

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061120\
 Data File : VN061762.D
 Acq On : 11 Jun 2020 21:08
 Operator : JC/MD
 Sample : L2988-12MSD 25X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Manual Integrations
 APPROVED

MMDadoda
 6/12/2020 5:46:26 PM

Quant Time: Jun 12 06:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	342108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	532200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	267562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	168632	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	
35) Dibromofluoromethane	7.55	113	133411	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.06	98	585711	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
62) 4-Bromofluorobenzene	12.38	95	212110	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	180402	45.771	ug/l	96
3) Chloromethane	2.03	50	170329	40.821	ug/l	100
4) Vinyl Chloride	2.16	62	246752	43.153	ug/l	99
5) Bromomethane	2.52	94	158382	48.271	ug/l	98
6) Chloroethane	2.66	64	165230	44.893	ug/l	98
7) Trichlorofluoromethane	2.98	101	310378	42.093	ug/l	100
8) Diethyl Ether	3.37	74	102676	45.539	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	162177	49.564	ug/l	95
10) Methyl Iodide	3.91	142	219265	48.273	ug/l	98
11) Tert butyl alcohol	4.73	59	141276	260.582	ug/l	99
12) 1,1-Dichloroethene	3.69	96	159501	45.627	ug/l	92
13) Acrolein	3.57	56	29282	177.566	ug/l	100
14) Allyl chloride	4.27	41	186667	40.845	ug/l	96
15) Acrylonitrile	4.93	53	345784	228.502	ug/l	99
16) Acetone	3.77	43	261338	232.202	ug/l	99
17) Carbon Disulfide	4.01	76	296183	38.510	ug/l	97
18) Methyl Acetate	4.27	43	167514	45.399	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	537958	45.154	ug/l	99
20) Methylene Chloride	4.50	84	188824	51.003	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	183592	46.570	ug/l	92
22) Diisopropyl ether	5.90	45	452598	44.933	ug/l	98
23) Vinyl Acetate	5.84	43	1670730	208.106	ug/l	97
24) 1,1-Dichloroethane	5.80	63	297843	46.630	ug/l	100
25) 2-Butanone	6.78	43	413331	213.969	ug/l	98
26) 2,2-Dichloropropane	6.78	77	240608	41.157	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	219820	49.242	ug/l	95
28) Bromochloromethane	7.15	49	107526	44.694	ug/l	93
29) Tetrahydrofuran	7.16	42	269777	211.786	ug/l	95
30) Chloroform	7.33	83	336622	47.637	ug/l	98
31) Cyclohexane	7.61	56	237778	41.393	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	300728	46.705	ug/l	99
36) 1,1-Dichloropropene	7.75	75	232277	49.301	ug/l	99
37) Ethyl Acetate	6.88	43	174519	45.991	ug/l	97
38) Carbon Tetrachloride	7.73	117	254645	56.034	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	266882	45.958	ug/l	97
40) Benzene	8.00	78	750943	51.658	ug/l	100
41) Methacrylonitrile	7.13	41	86717	49.878	ug/l #	86
42) 1,2-Dichloroethane	8.08	62	241603	49.644	ug/l	99
43) Isopropyl Acetate	8.13	43	303848	44.507	ug/l	96
44) Trichloroethene	8.80	130	683883	153.081	ug/l	95
45) 1,2-Dichloropropane	9.08	63	179113	51.890	ug/l	100
46) Dibromomethane	9.17	93	135260	51.093	ug/l	96
47) Bromodichloromethane	9.37	83	277133	52.838	ug/l	99
48) Methyl methacrylate	9.17	41	133854	43.578	ug/l	94
49) 1,4-Dioxane	9.17	88	67688	1422.485	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	895701	232.818	ug/l	97
52) Toluene	10.12	92	490402	51.687	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	284953	50.432	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	305790	50.333	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	199676	52.824	ug/l	98
56) Ethyl methacrylate	10.40	69	262788	49.767	ug/l	97
57) 1,3-Dichloropropane	10.68	76	312234	51.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	244753	108.464	ug/l	99
59) 2-Hexanone	10.72	43	643311	232.833	ug/l	96
60) Dibromochloromethane	10.87	129	235451	54.790	ug/l	100
61) 1,2-Dibromoethane	10.98	107	208806	52.964	ug/l	100
64) Tetrachloroethene	10.60	164	244732	50.796	ug/l	98
65) Chlorobenzene	11.41	112	551641	51.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	215774	54.468	ug/l	99
67) Ethyl Benzene	11.48	91	952682	51.808	ug/l	100
68) m/p-Xylenes	11.60	106	759888	104.221	ug/l	98
69) o-Xylene	11.92	106	361645	52.222	ug/l	98
70) Styrene	11.94	104	613489	53.495	ug/l	98
71) Bromoform	12.10	173	167971	55.026	ug/l #	100
73) Isopropylbenzene	12.22	105	951371	48.717	ug/l	100
74) N-amyl acetate	12.05	43	265636	43.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	255225	46.638	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	237593m	48.834	ug/l	
77) Bromobenzene	12.50	156	258258	51.809	ug/l	95
78) n-propylbenzene	12.57	91	1065374	48.868	ug/l	100
79) 2-Chlorotoluene	12.65	91	624282	48.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	794301	48.664	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	83574	43.927	ug/l	97
82) 4-Chlorotoluene	12.75	91	657190	48.055	ug/l	99
83) tert-Butylbenzene	12.97	119	688178	47.719	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	802018	49.461	ug/l	99
85) sec-Butylbenzene	13.15	105	887608	47.764	ug/l	99
86) p-Isopropyltoluene	13.26	119	829221	48.454	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	451278	51.124	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	452274	50.295	ug/l	99
89) n-Butylbenzene	13.59	91	660644	46.089	ug/l	99
90) Hexachloroethane	13.85	117	122845	64.907	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	432015	51.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	45740	40.983	ug/l	93

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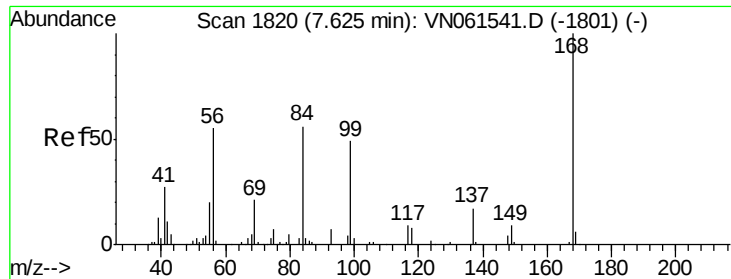
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	249676	50.608	ug/l	99
94) Hexachlorobutadiene	14.99	225	104818	49.816	ug/l	99
95) Naphthalene	15.11	128	703576	46.854	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	245527	50.617	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:168 Resp: 342108

Ion Ratio Lower Upper

168 100

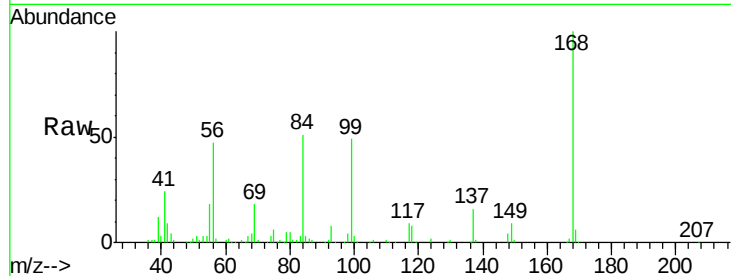
99 48.9 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

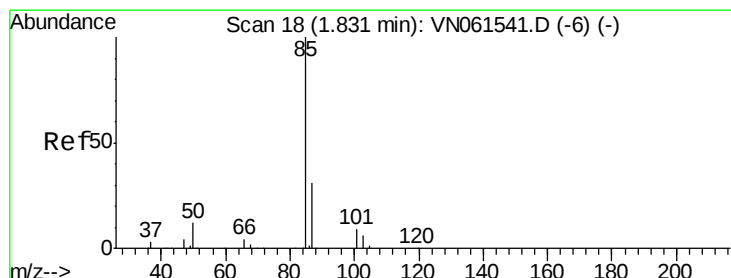
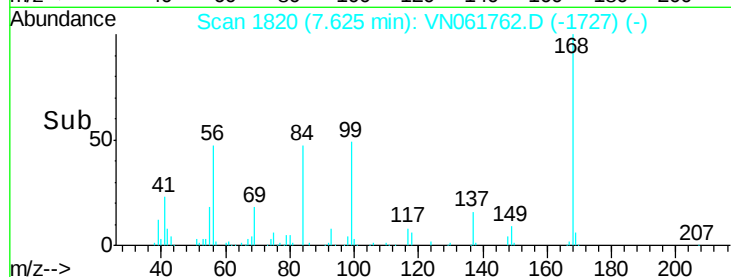
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.771 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061762.D

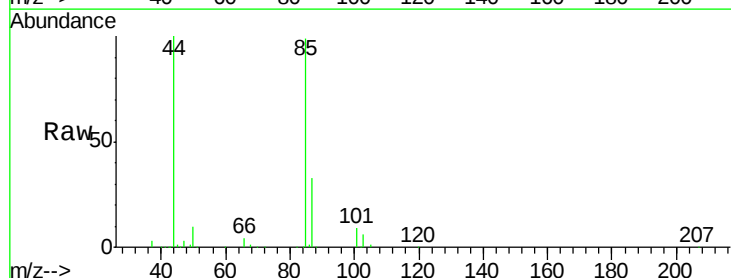
Acq: 11 Jun 2020 21:08

Tgt Ion: 85 Resp: 180402

Ion Ratio Lower Upper

85 100

87 33.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

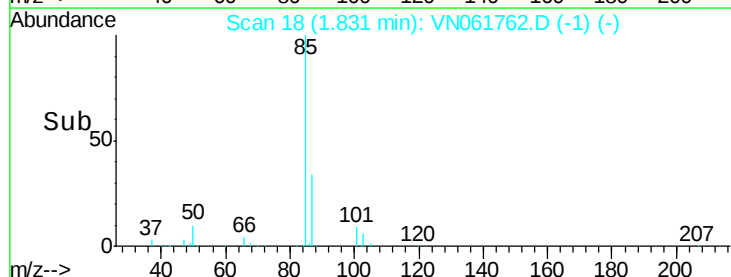
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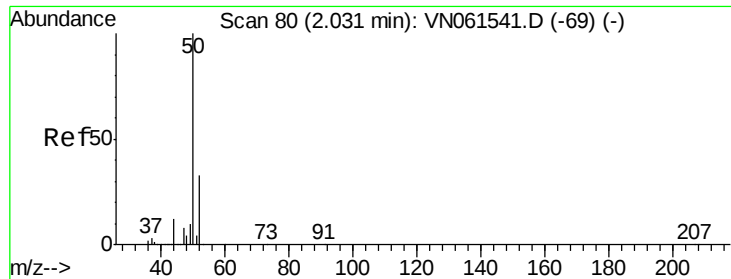
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 40.821 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 50 Resp: 170329

Ion Ratio Lower Upper

50 100

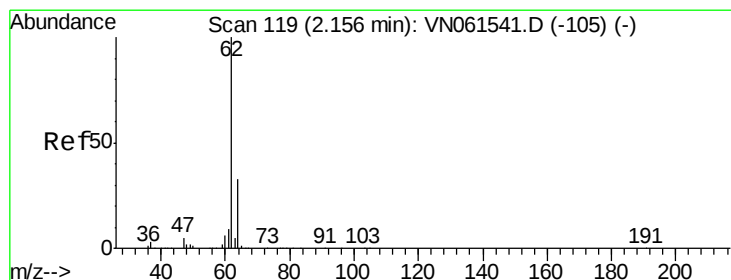
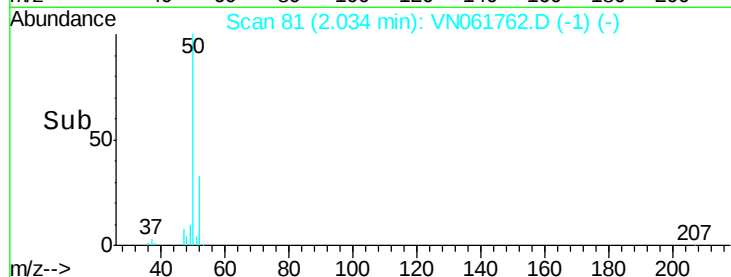
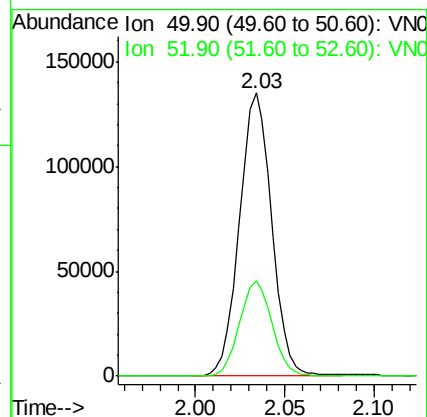
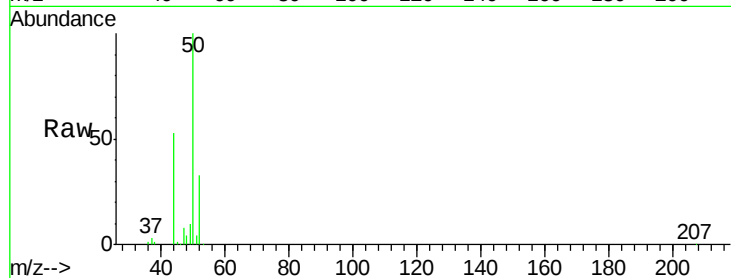
52 33.5 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.153 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061762.D

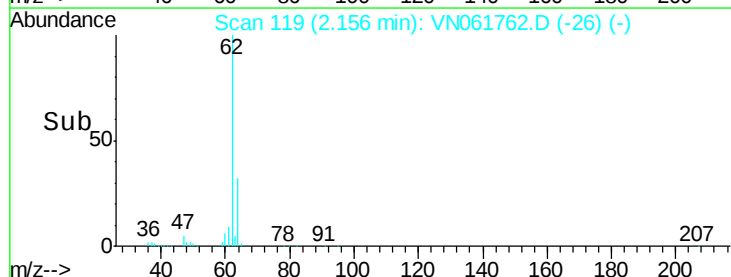
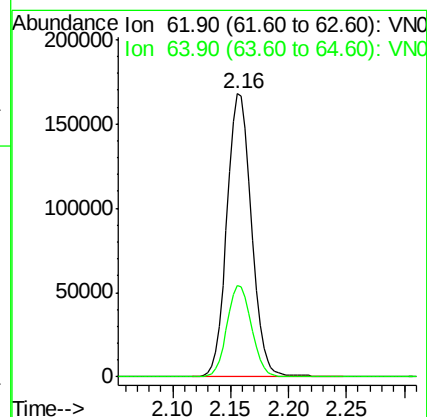
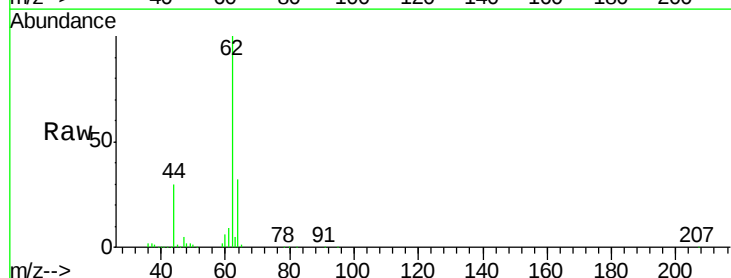
Acq: 11 Jun 2020 21:08

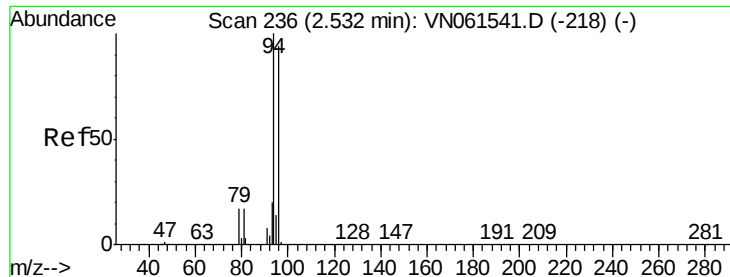
Tgt Ion: 62 Resp: 246752

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.2





#5

Bromomethane

Concen: 48.271 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

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Acq: 11 Jun 2020 21:08

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Tot Ion: 94 Resp: 158382

Ion Ratio Lower Upper

94 100

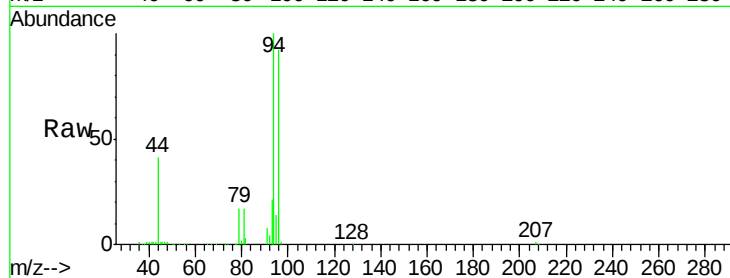
96 91.8 74.8 112.2

Manual Integrations

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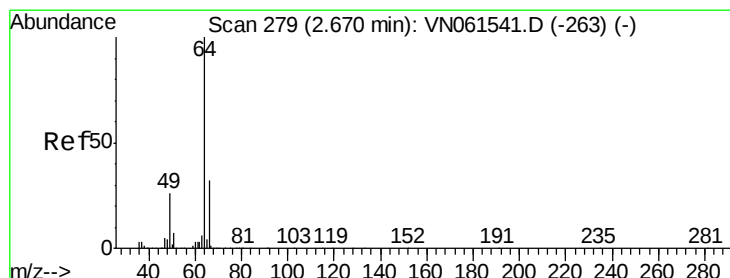
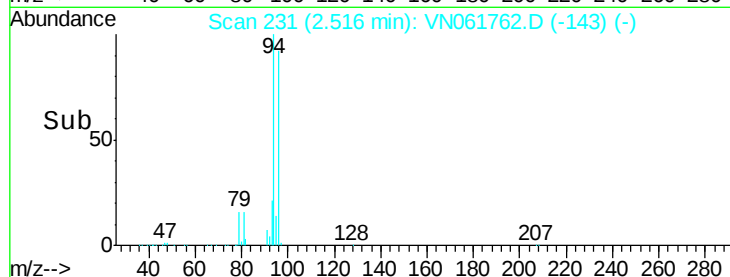
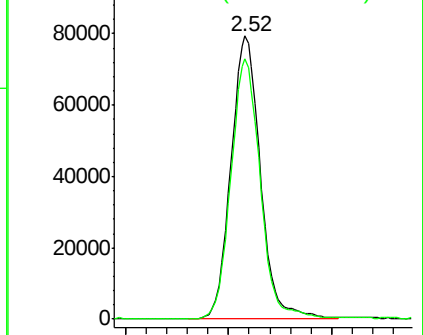
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.893 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN061762.D

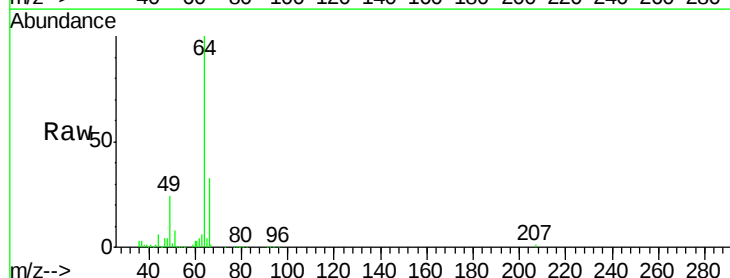
Acq: 11 Jun 2020 21:08

Tgt Ion: 64 Resp: 165230

Ion Ratio Lower Upper

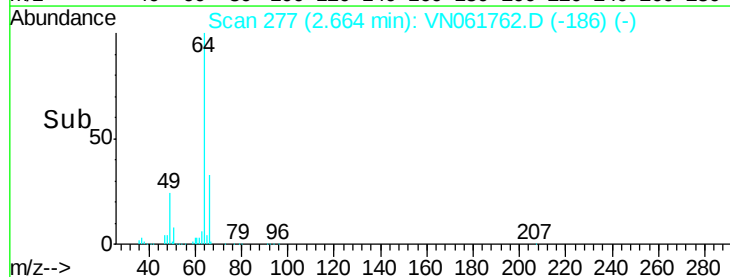
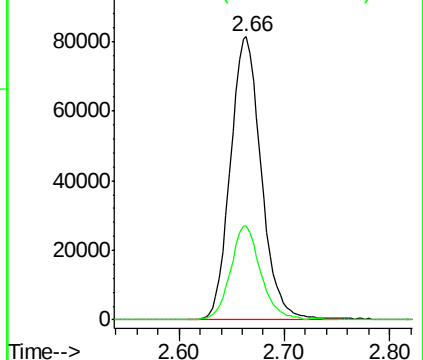
64 100

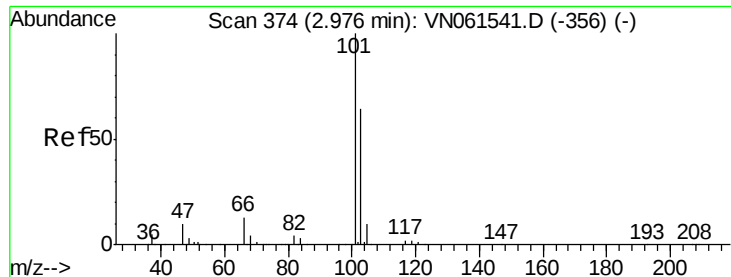
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

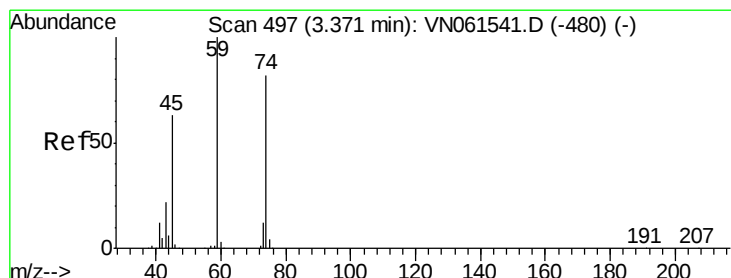
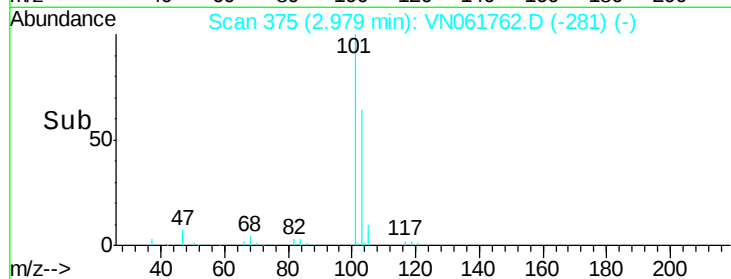
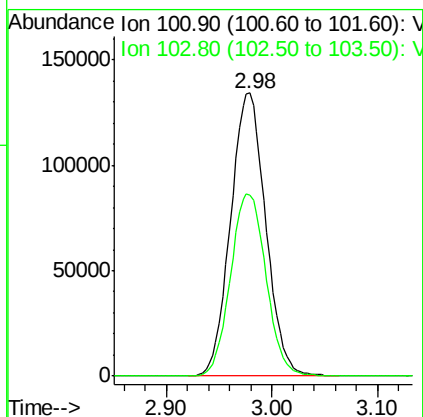
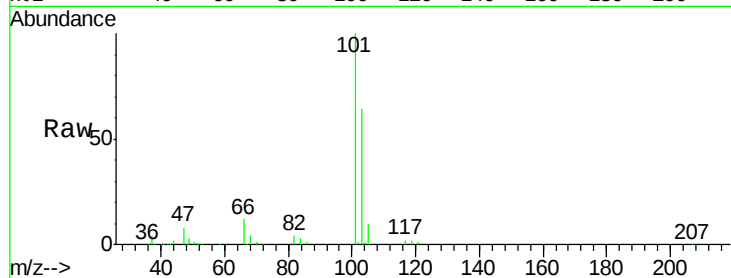
Trichlorofluoromethane
Concen: 42.093 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

Manual Integrations
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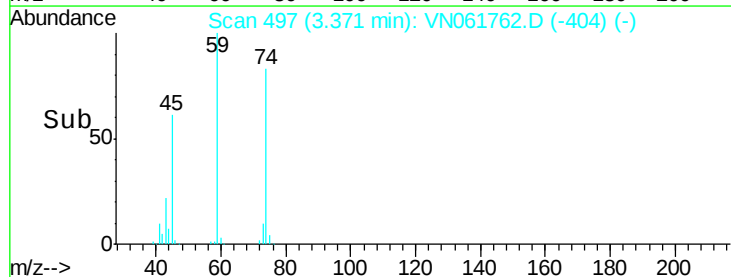
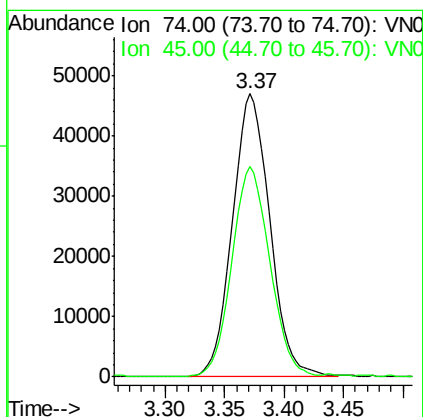
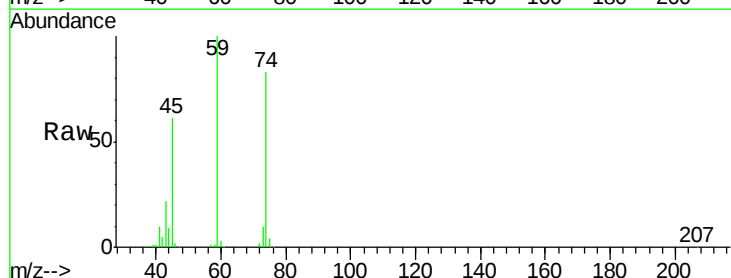
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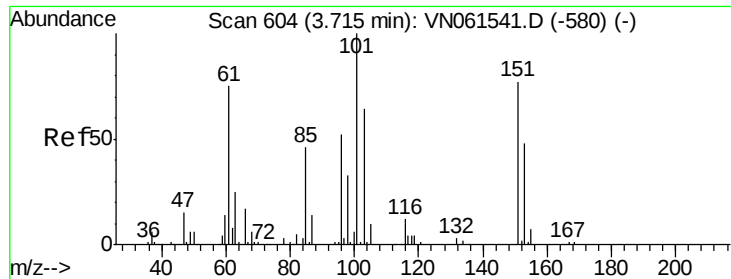


#8

Diethyl Ether
Concen: 45.539 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.4	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.564 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

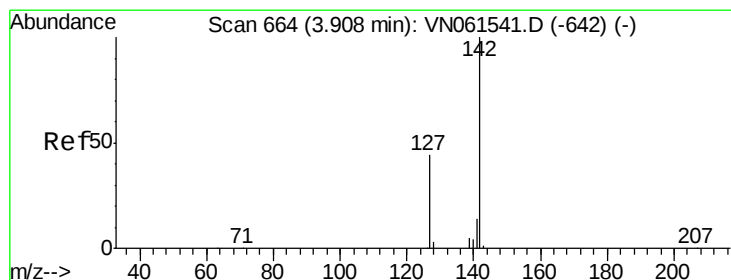
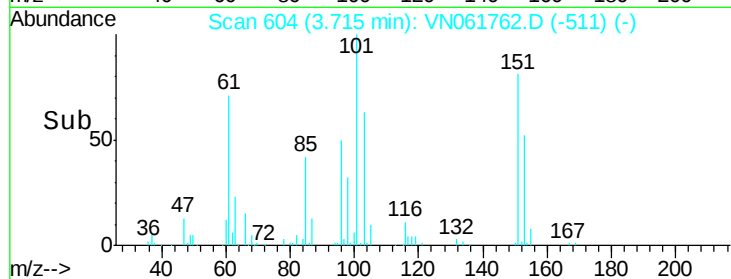
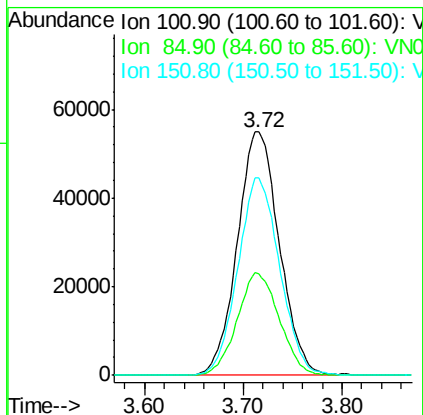
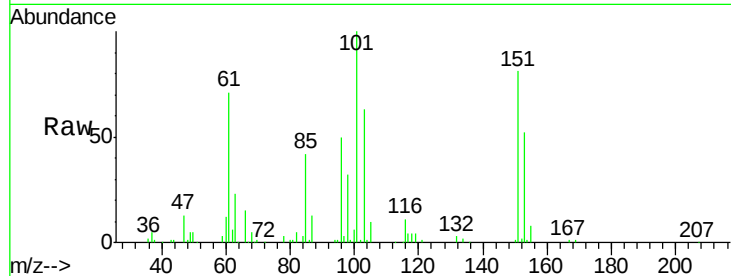
ClientSampleId :

RE108D2-20200608MSD

Tot Ion:	101	Resp:	162177
Ion Ratio	Lower	Upper	
101	100		
85	42.1	35.2	52.8
151	81.0	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.273 ug/l

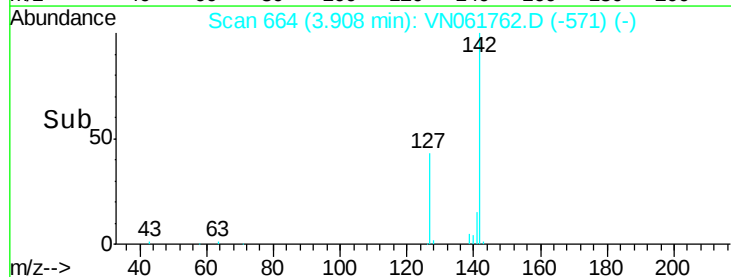
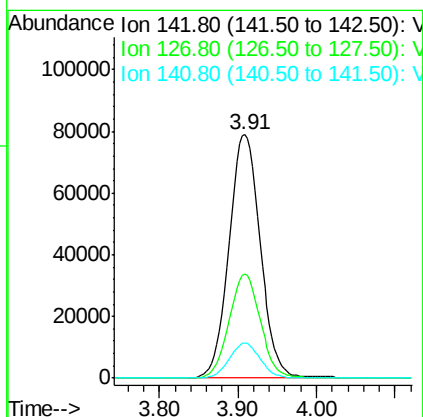
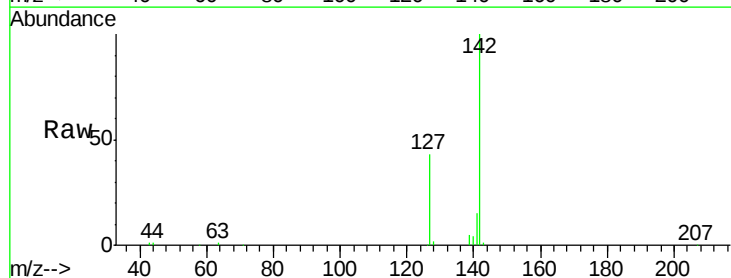
RT: 3.91 min Scan# 664

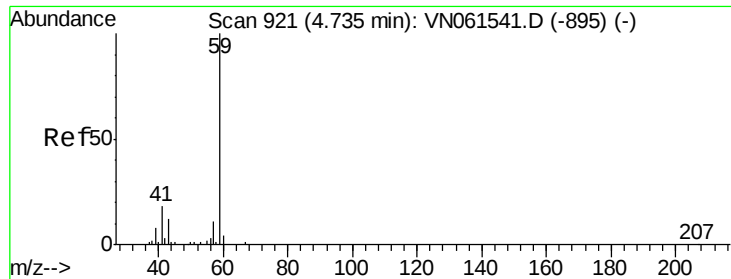
Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion:	142	Resp:	219265
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.5	53.3
141	14.0	11.5	17.3





#11

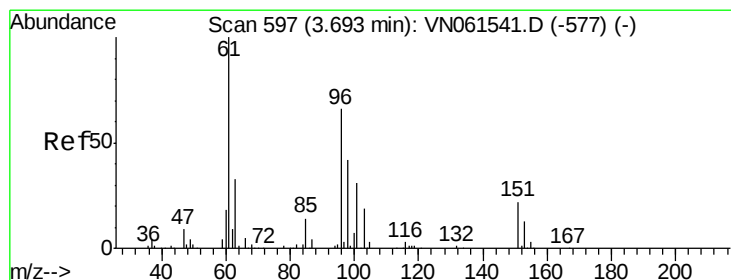
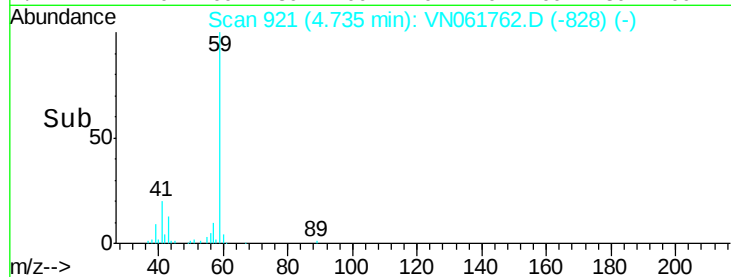
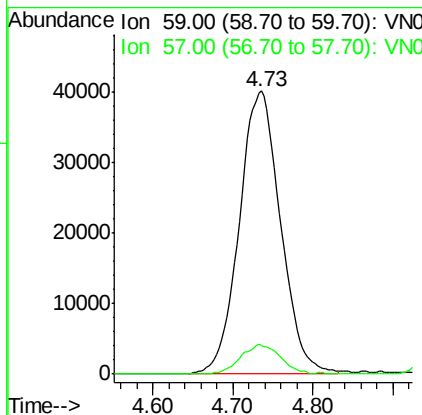
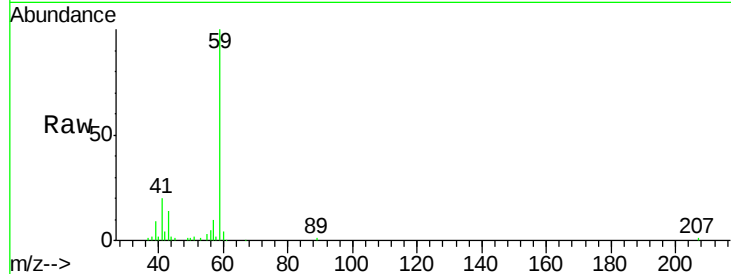
Tert butyl alcohol
Concen: 260.582 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

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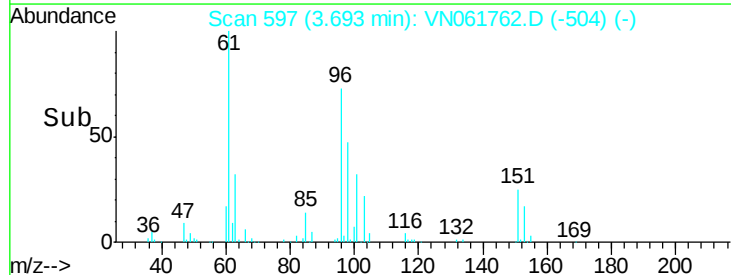
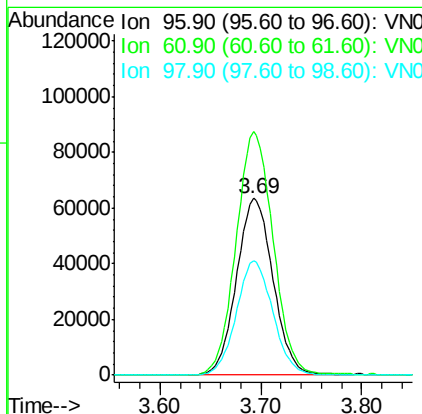
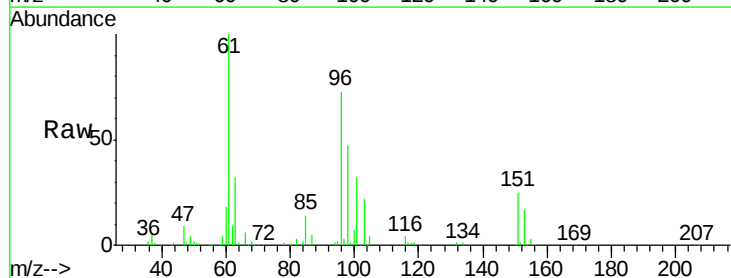
MMDadoda
6/12/2020 5:46:26 PM

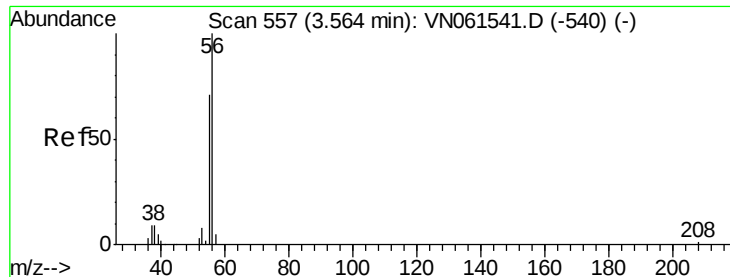


#12

1,1-Dichloroethene
Concen: 45.627 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	120.5	180.7
98	65.0	50.8	76.2





#13

Acrolein

Concen: 177.566 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 56 Resp: 29282

Ion Ratio Lower Upper

56 100

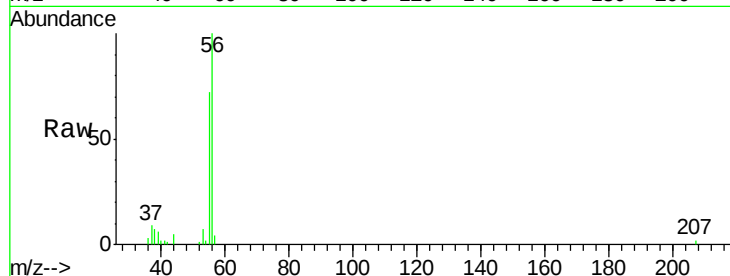
55 72.2 58.0 87.0

Manual Integrations

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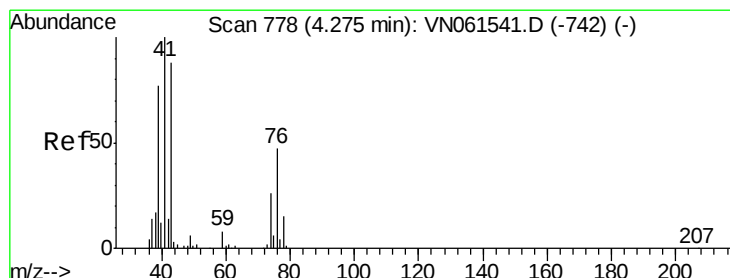
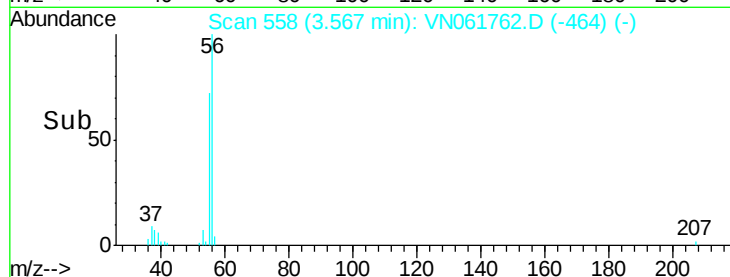
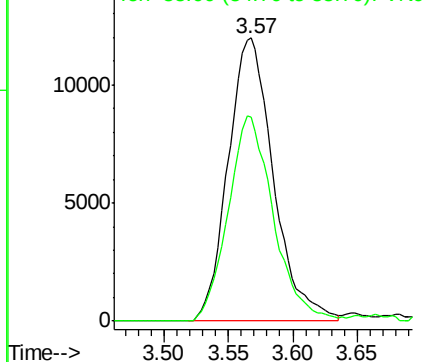
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.845 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

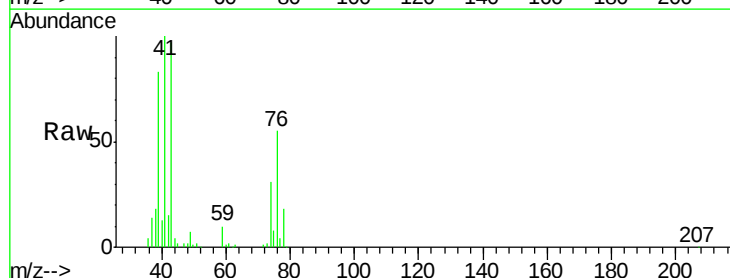
Tgt Ion: 41 Resp: 186667

Ion Ratio Lower Upper

41 100

39 74.6 58.6 88.0

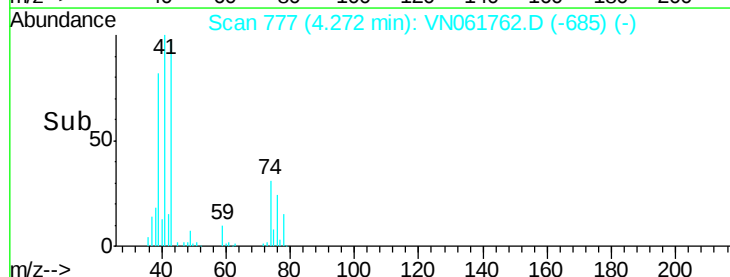
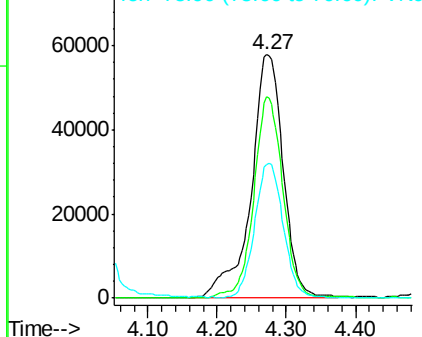
76 48.2 34.2 51.4

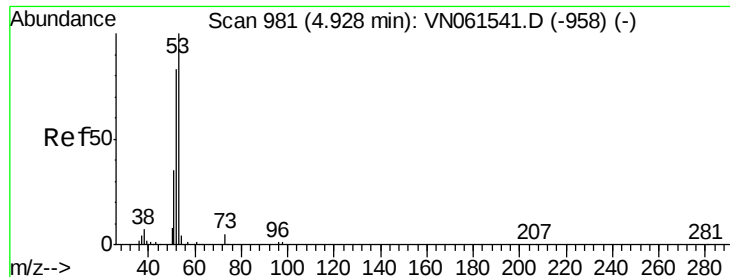


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 228.502 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

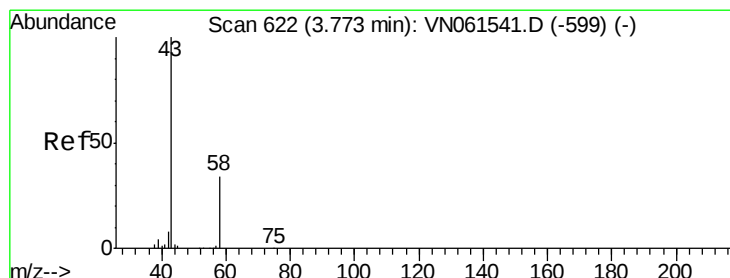
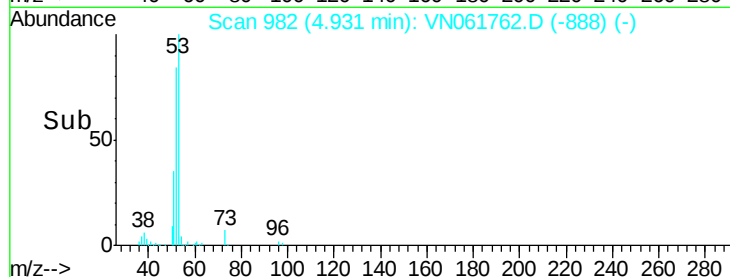
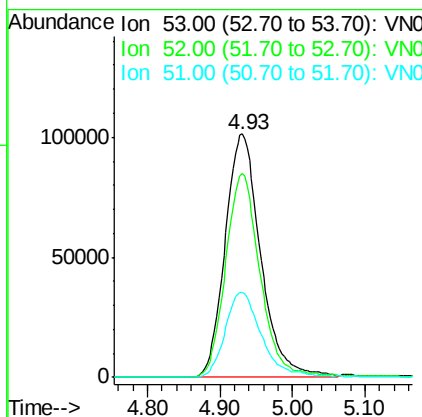
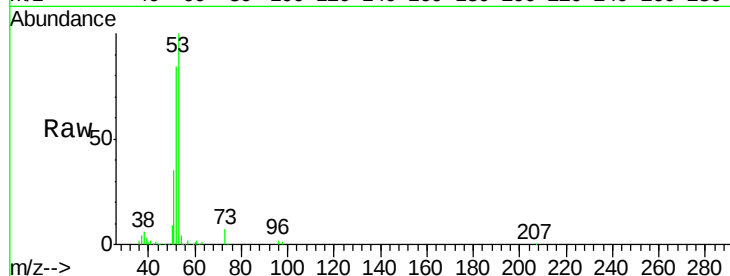
ClientSampleId :

RE108D2-20200608MSD

Tot Ion:	53	Resp:	345784
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.4	98.2
51	35.6	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 232.202 ug/l

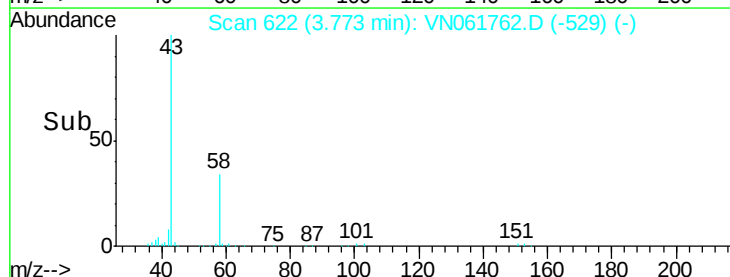
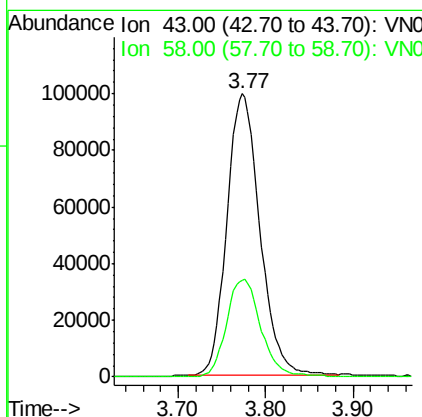
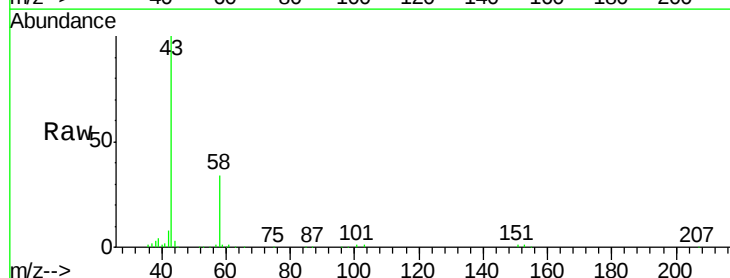
RT: 3.77 min Scan# 622

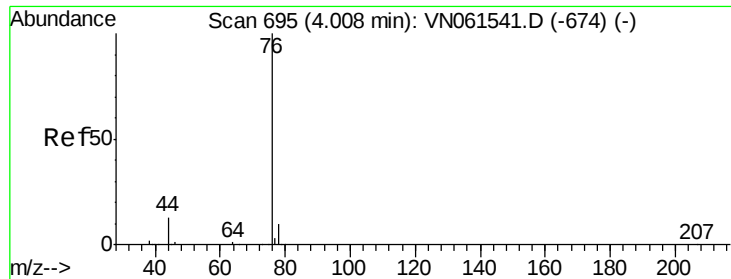
Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion:	43	Resp:	261338
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.2	40.8





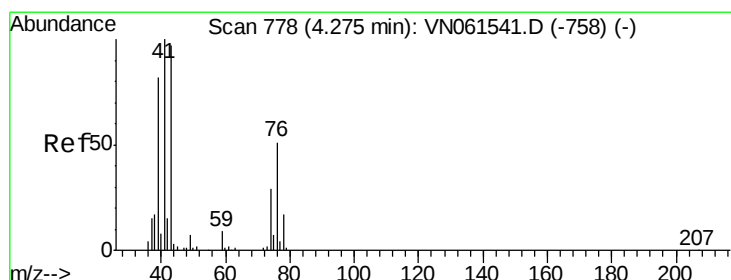
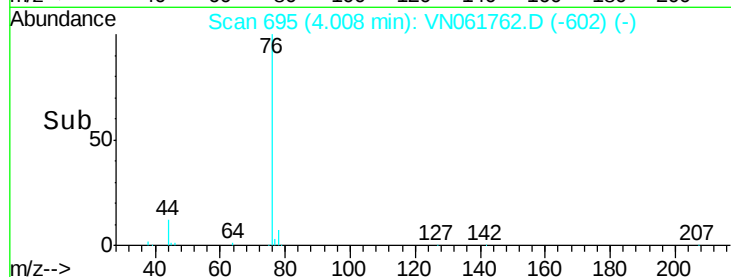
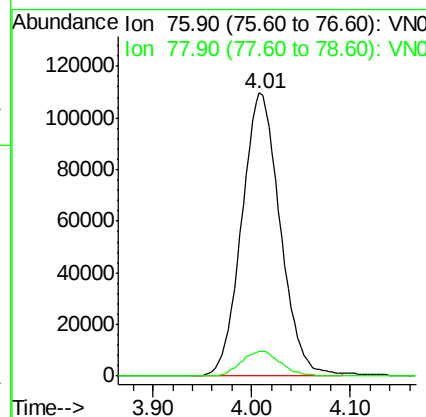
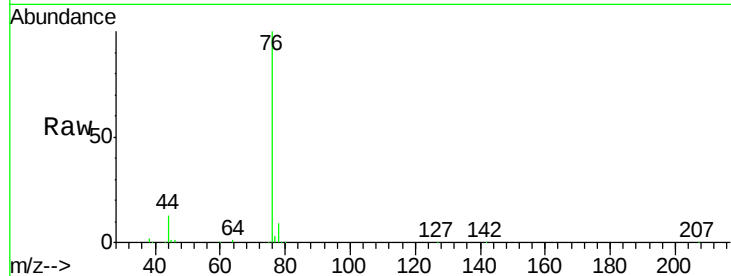
#17
Carbon Disulfide
Concen: 38.510 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.8	11.6

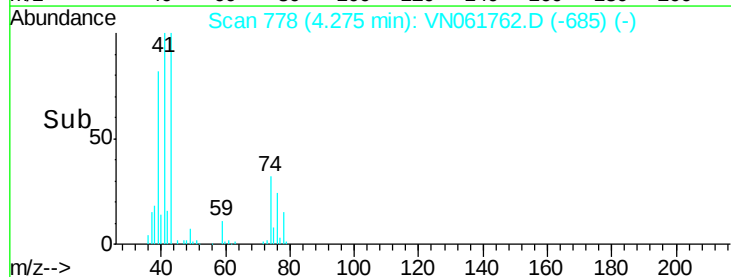
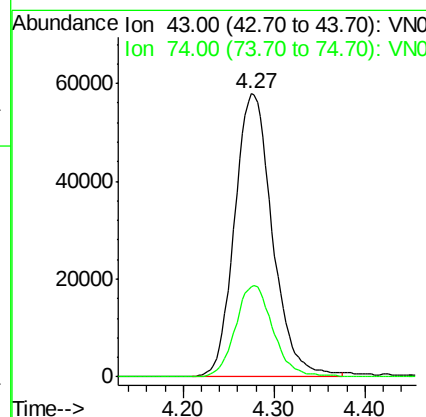
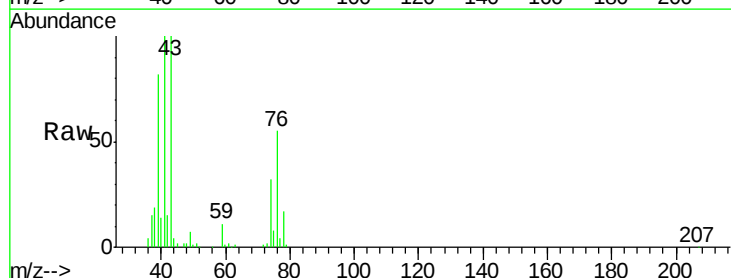
Manual Integrations
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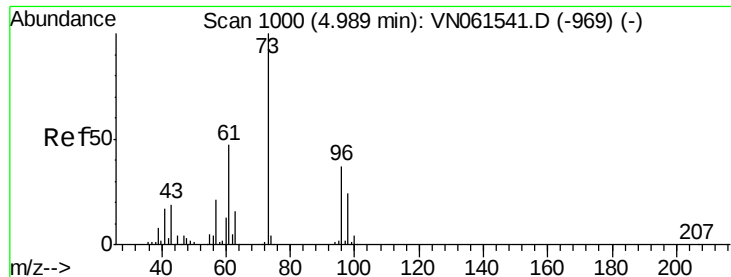
MMDadoda
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#18
Methyl Acetate
Concen: 45.399 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.0	23.2	34.8





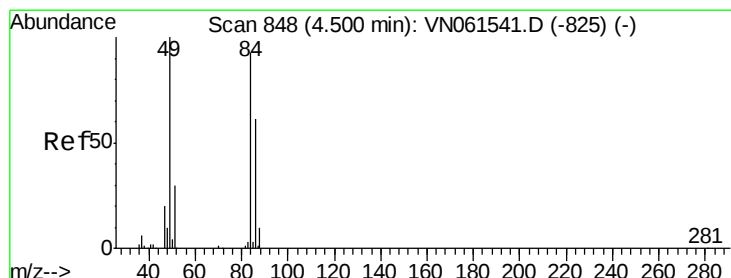
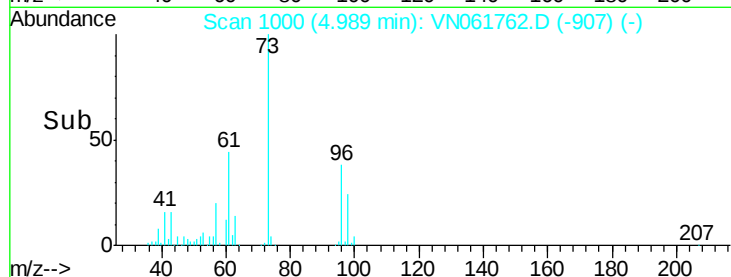
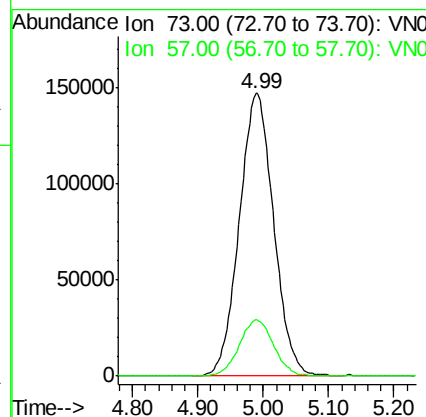
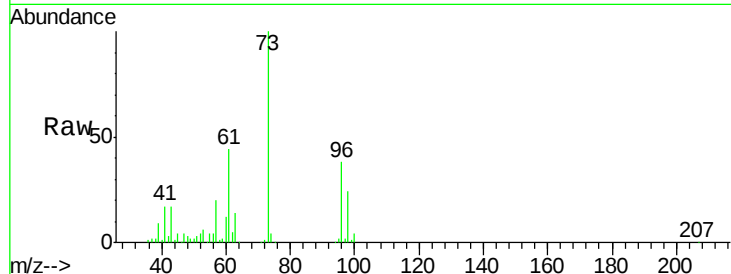
#19
Methvl tert-butvl Ether
Concen: 45.154 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion: 73 Resp: 537958
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6

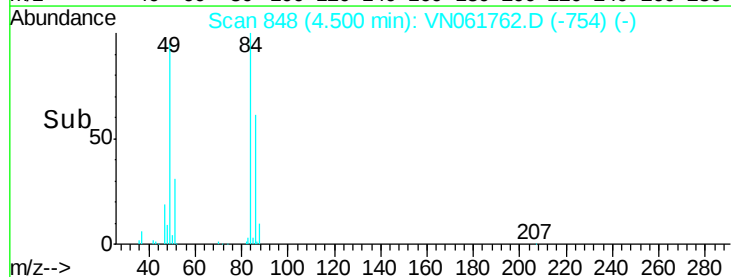
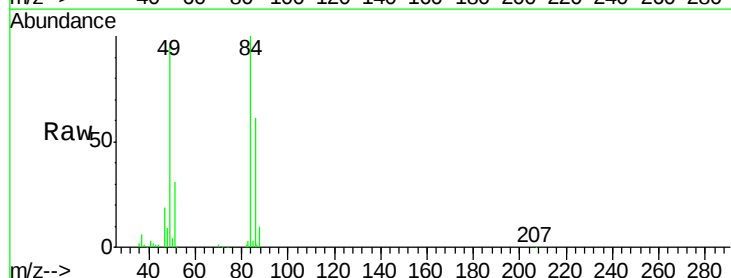
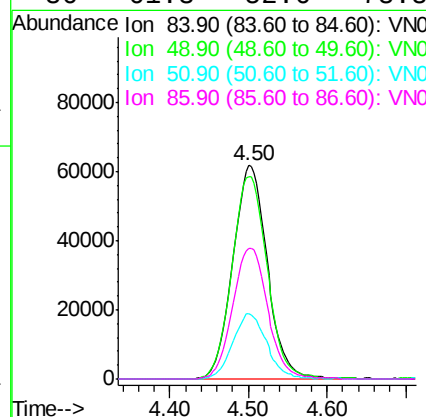
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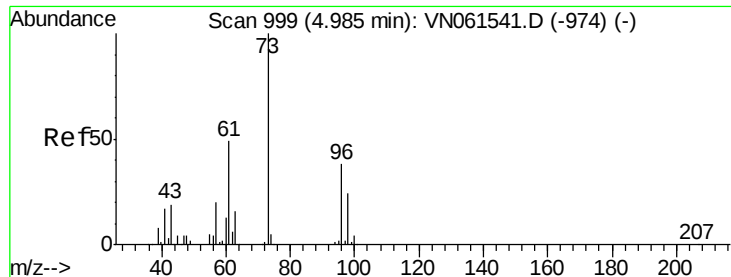
MMDadoda
6/12/2020 5:46:26 PM



#20
Methylene Chloride
Concen: 51.003 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion: 84 Resp: 188824
Ion Ratio Lower Upper
84 100
49 95.0 85.8 128.8
51 30.9 26.2 39.2
86 61.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 46.570 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

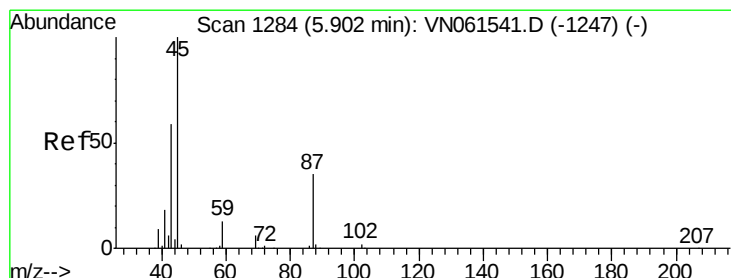
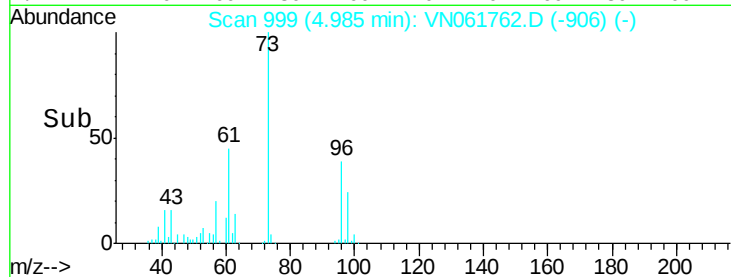
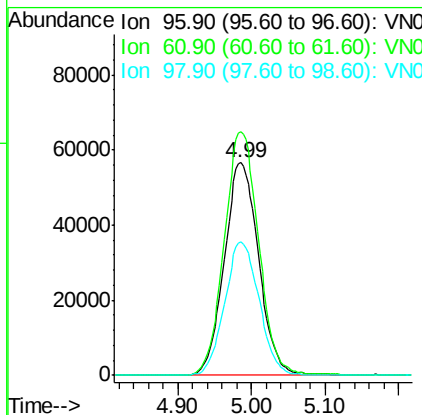
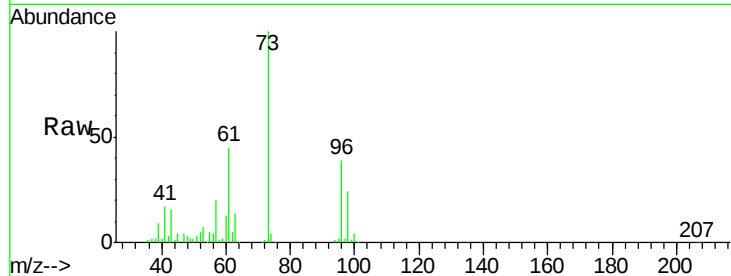
ClientSampleId :

RE108D2-20200608MSD

Tot Ion:	96	Resp:	183592
Ion Ratio	Lower	Upper	
96	100		
61	114.2	101.4	152.0
98	62.5	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 44.933 ug/l

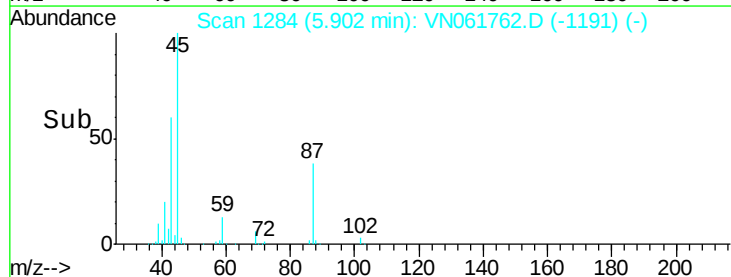
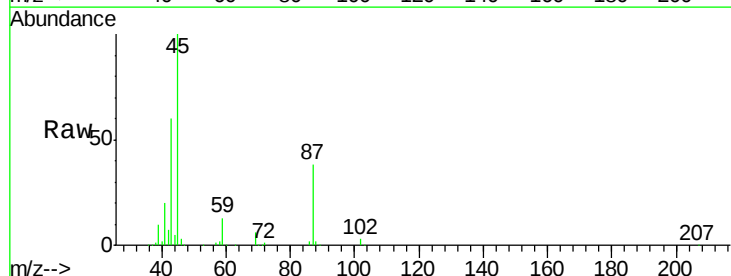
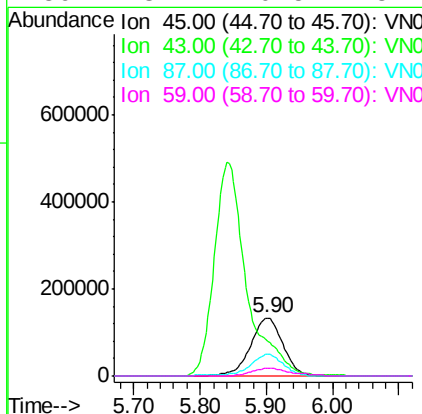
RT: 5.90 min Scan# 1284

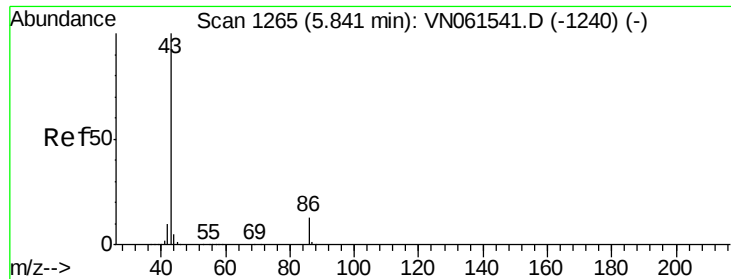
Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion:	45	Resp:	452598
Ion Ratio	Lower	Upper	
45	100		
43	58.4	47.9	71.9
87	37.9	28.4	42.6
59	13.2	10.5	15.7





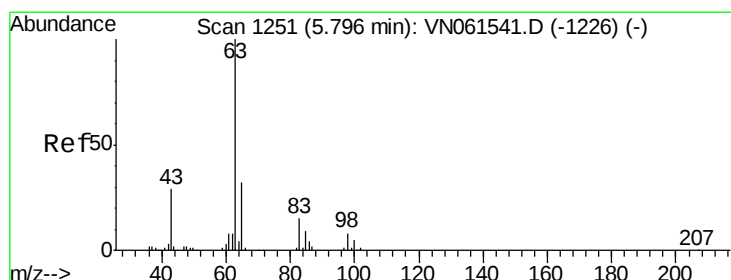
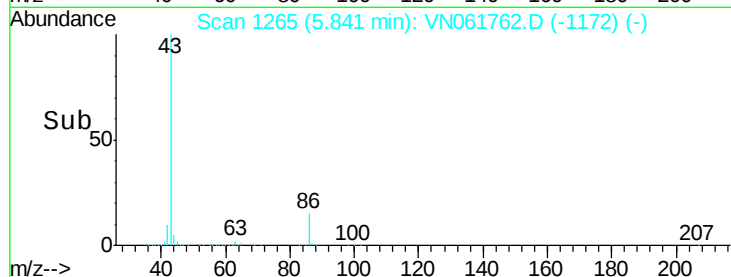
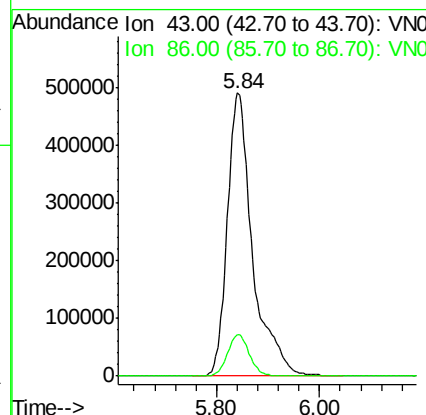
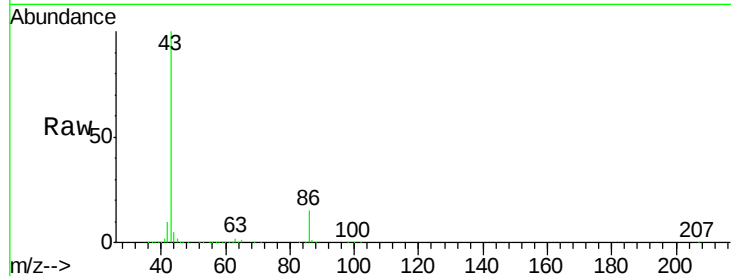
#23
 Vinyl Acetate
 Concen: 208.106 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion: 43 Resp: 1670730
 Ion Ratio Lower Upper
 43 100
 86 14.6 10.6 16.0

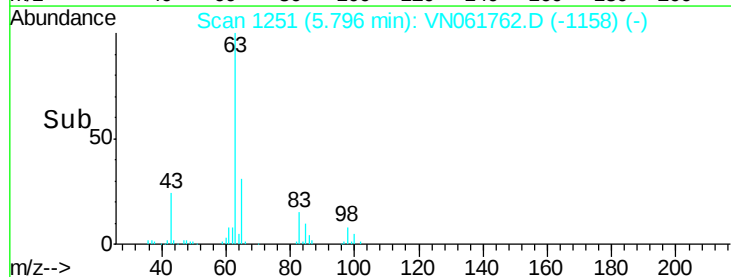
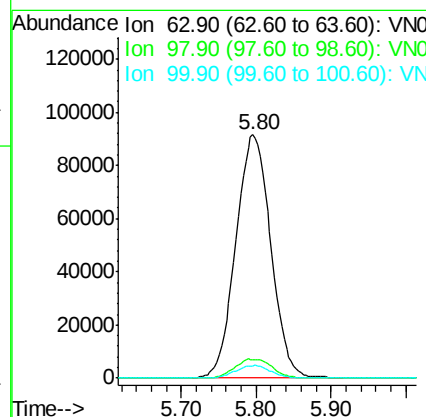
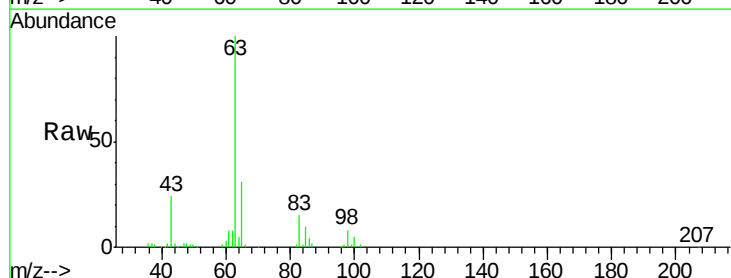
Manual Integrations
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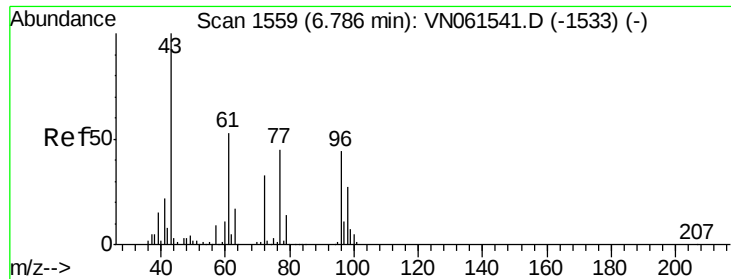
MMDadoda
 6/12/2020 5:46:26 PM



#24
 1,1-Dichloroethane
 Concen: 46.630 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion: 63 Resp: 297843
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.8 11.4
 100 5.1 2.5 7.6





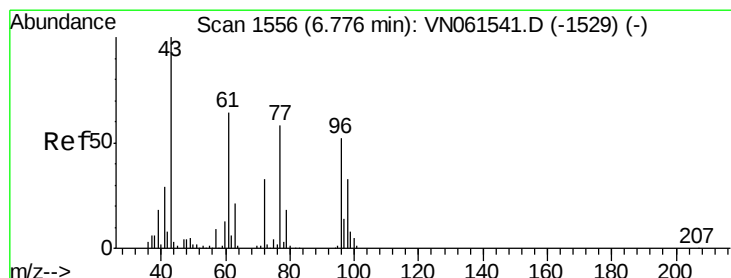
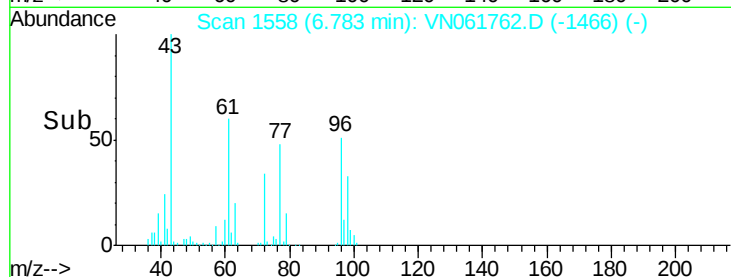
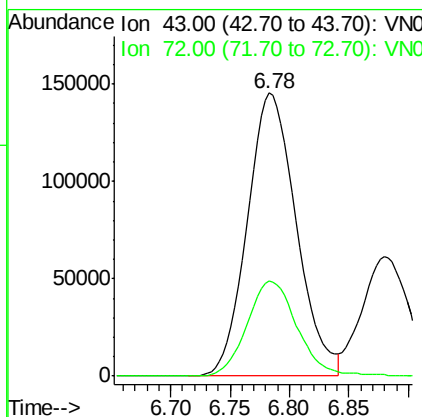
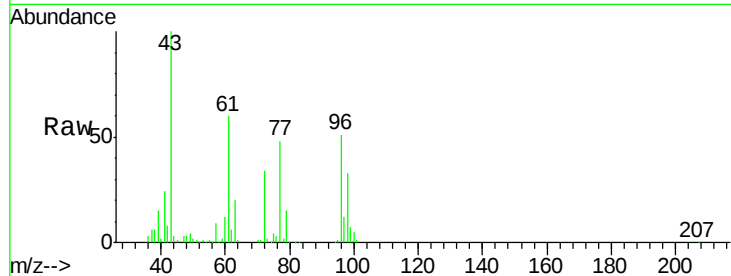
#25
2-Butanone
Concen: 213.969 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion: 43 Resp: 413331
Ion Ratio Lower Upper
43 100
72 33.7 26.0 39.0

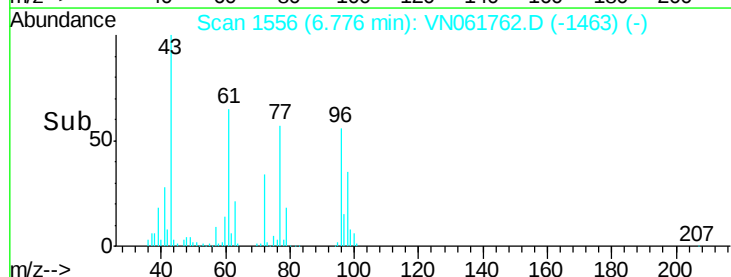
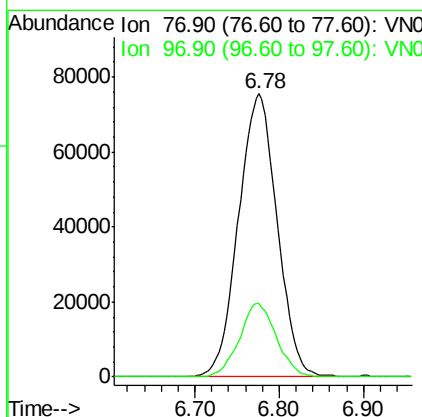
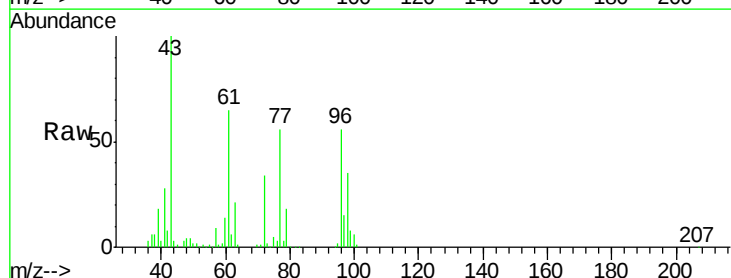
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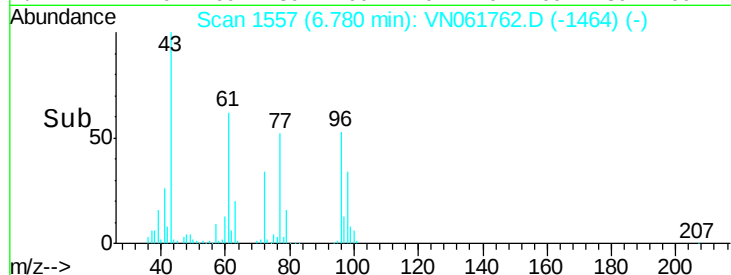
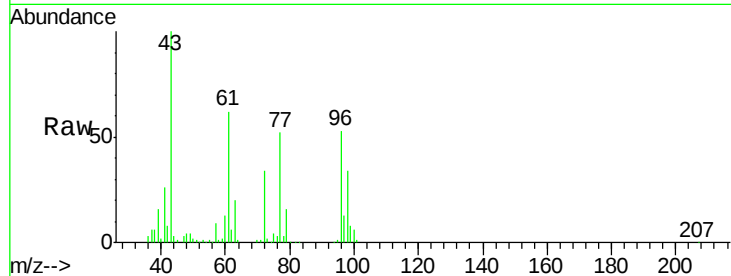
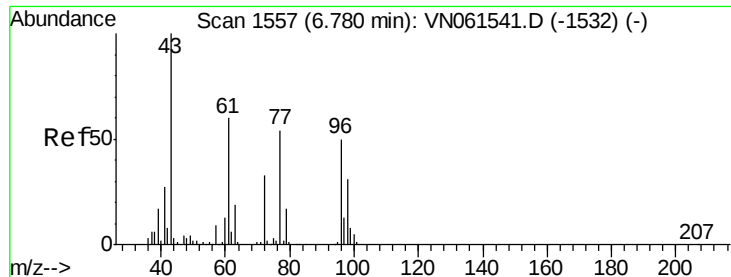
MMDadoda
6/12/2020 5:46:26 PM



#26
2,2-Dichloropropane
Concen: 41.157 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion: 77 Resp: 240608
Ion Ratio Lower Upper
77 100
97 24.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.242 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061762.D

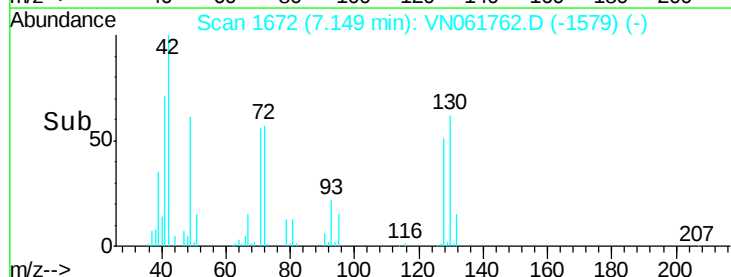
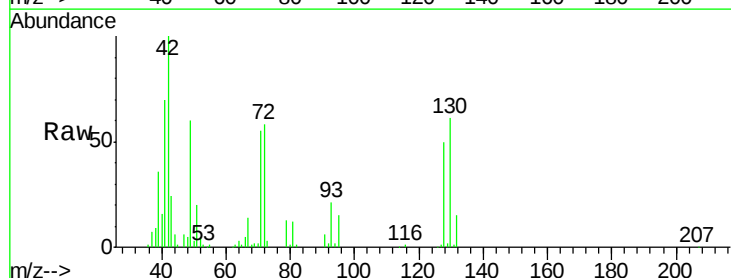
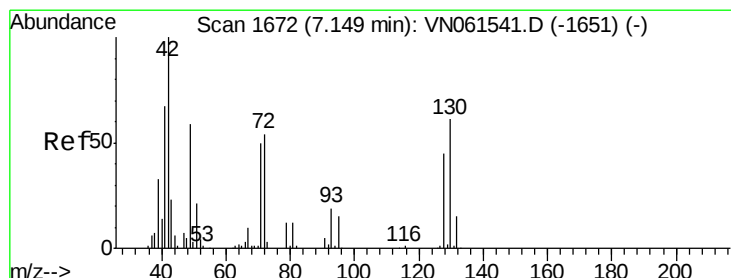
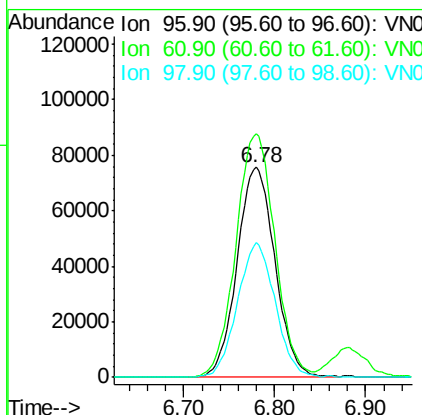
Acq: 11 Jun 2020 21:08

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219820		
61	119.1	0.0	252.2	
98	63.5	0.0	129.2	

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Manual Integrations
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6/12/2020 5:46:26 PM



#28

Bromochloromethane

Concen: 44.694 ug/l

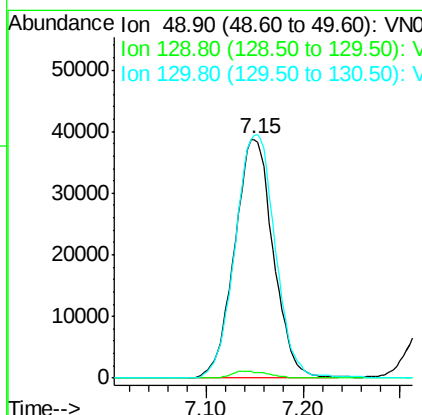
RT: 7.15 min Scan# 1672

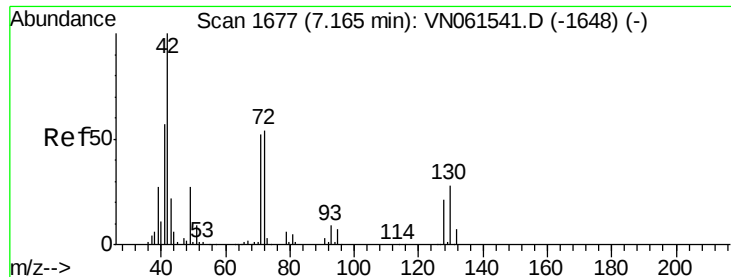
Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	107526		
129	2.6	0.0	4.8	
130	105.1	78.8	118.2	





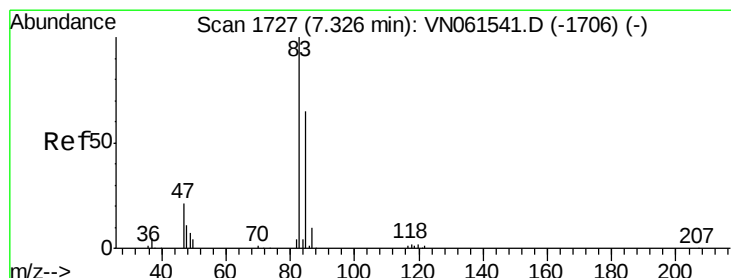
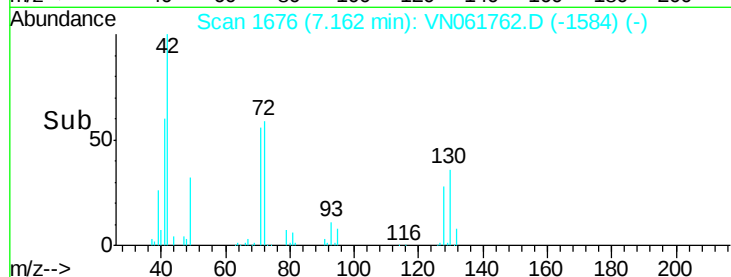
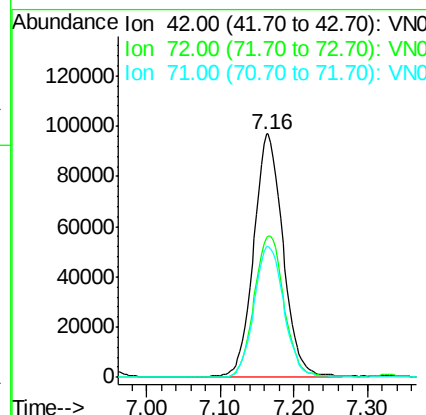
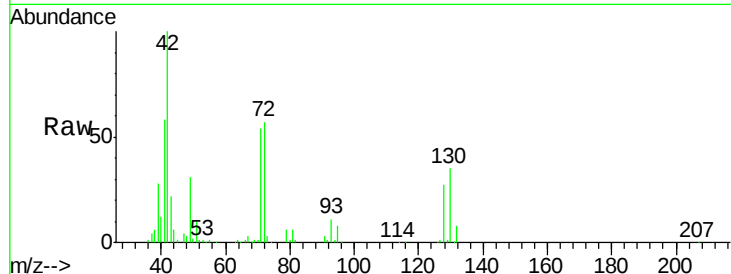
#29
Tetrahydrofuran
Concen: 211.786 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.1	43.6	65.4
71	54.6	41.2	61.8

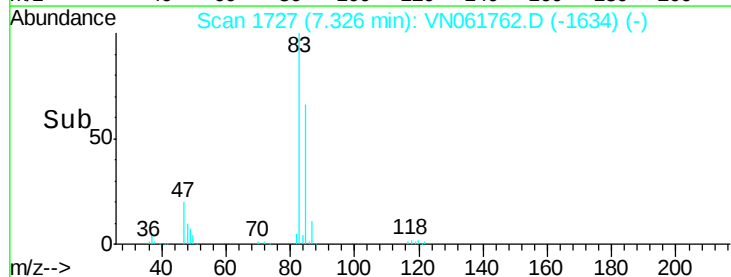
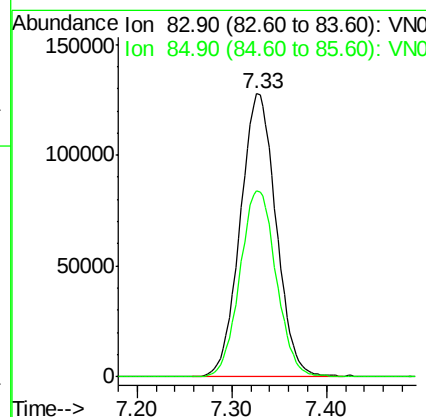
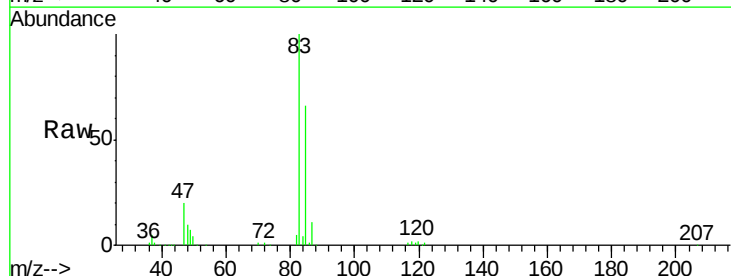
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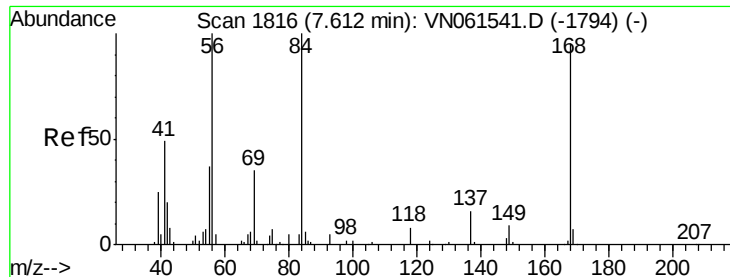
MMDadoda
6/12/2020 5:46:26 PM



#30
Chloroform
Concen: 47.637 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.7	77.5





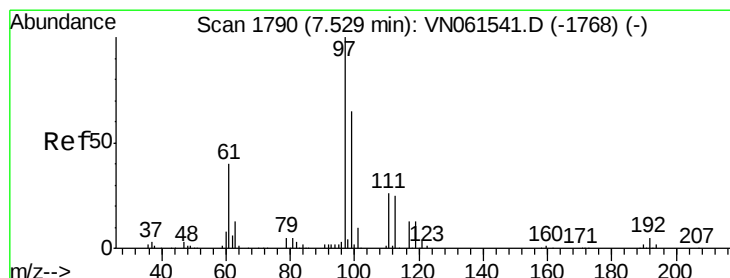
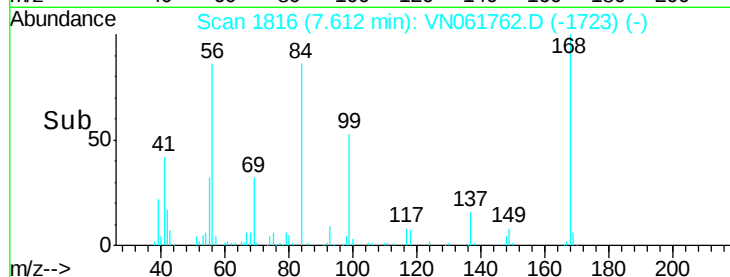
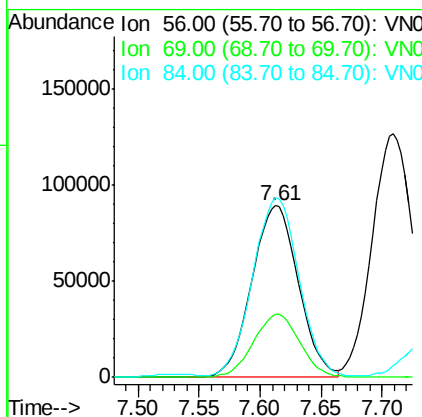
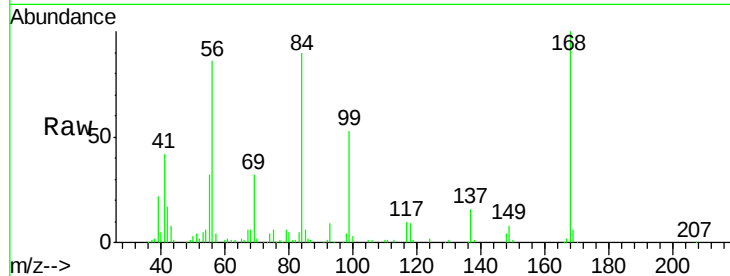
#31
Cyclohexane
Concen: 41.393 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	27.8	41.8
84	102.9	79.9	119.9

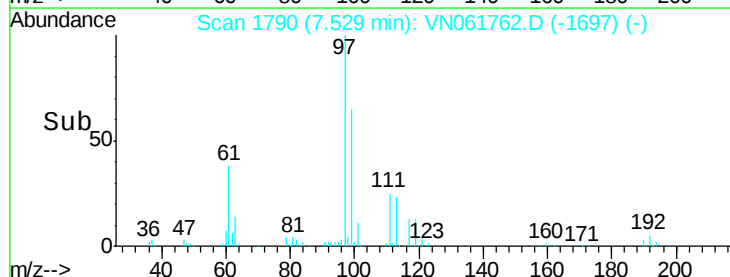
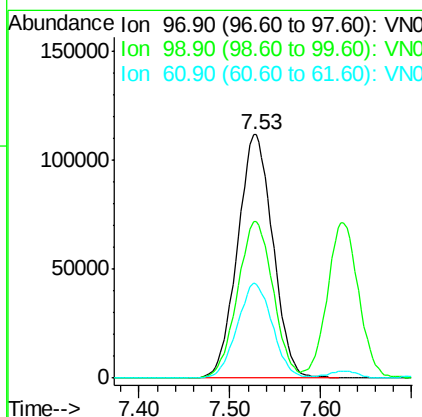
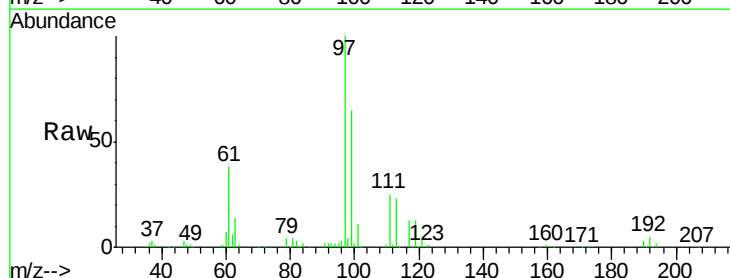
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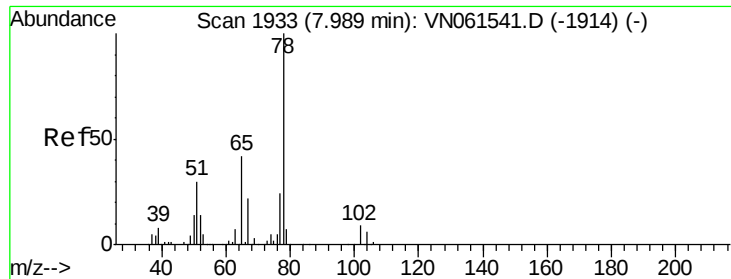
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.705 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	39.0	31.4	47.0





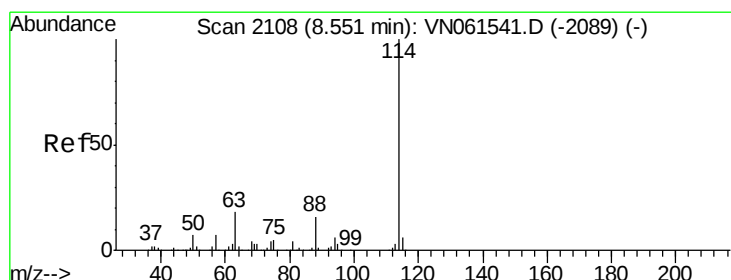
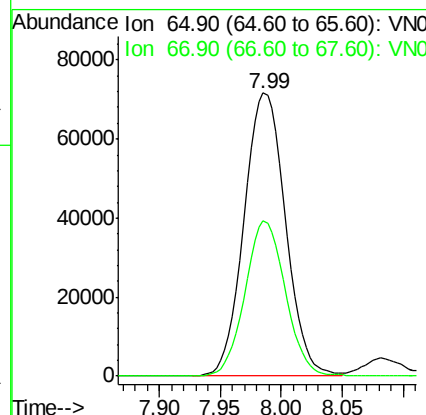
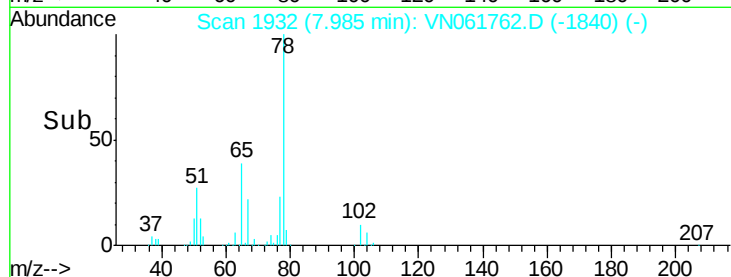
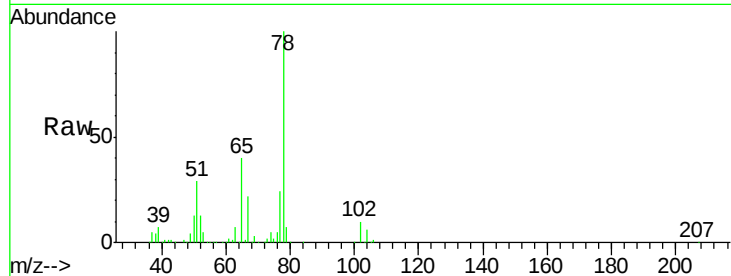
#33
 1,2-Dichloroethane-d4
 Concen: 41.372 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168632		
67	53.3	0.0	104.8	

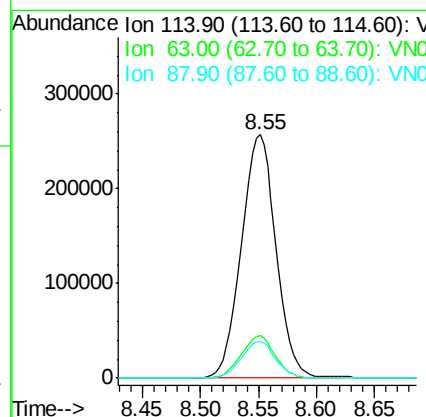
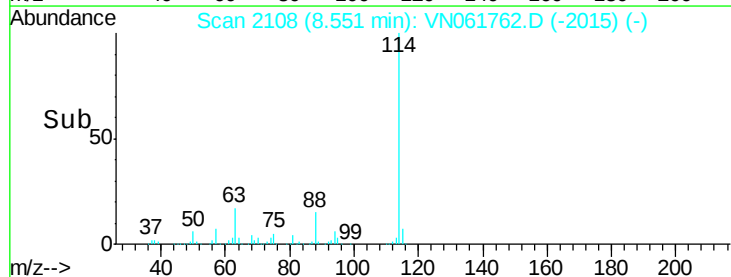
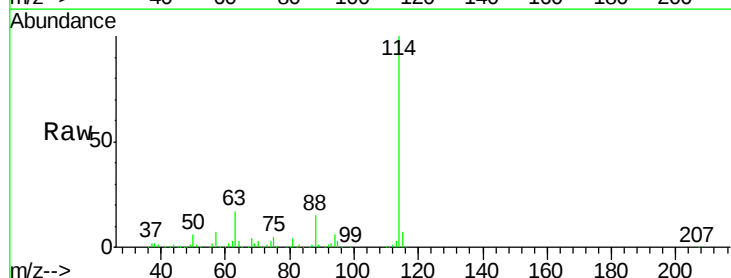
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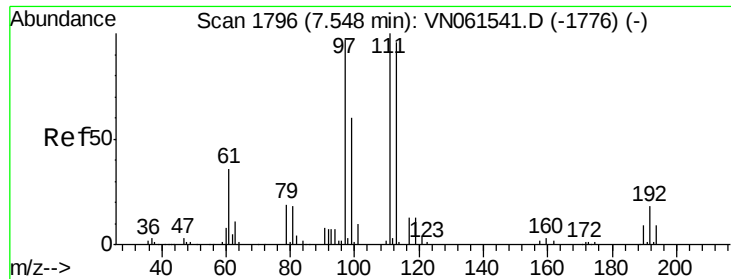
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	532200		
63	17.3	0.0	35.8	
88	15.1	0.0	31.0	





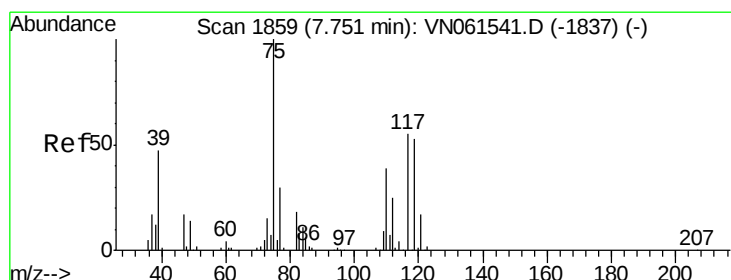
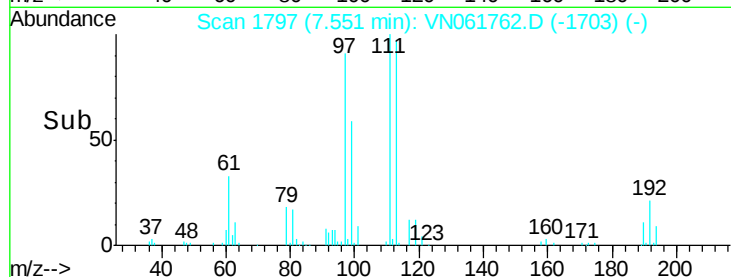
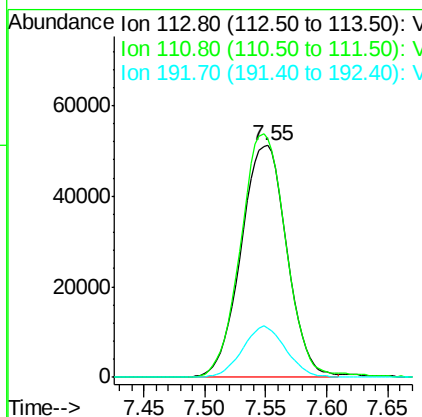
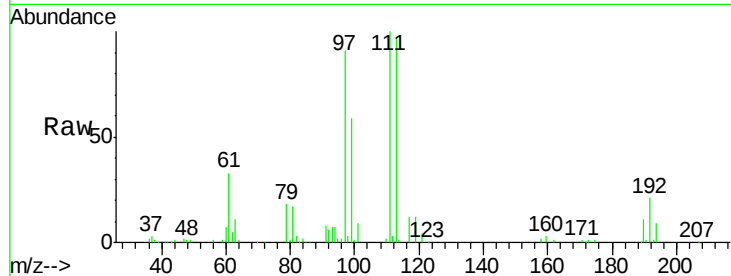
#35
 Dibromofluoromethane
 Concen: 49.416 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133411		
111	104.5	83.4	125.0	
192	21.0	15.4	23.2	

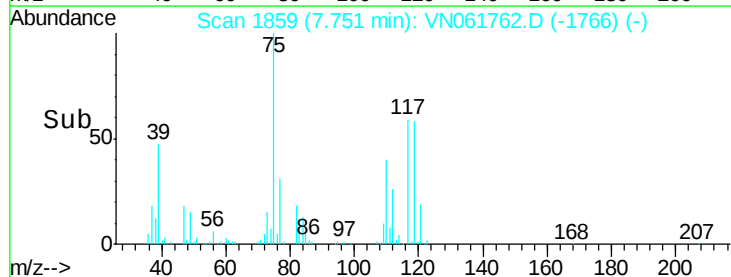
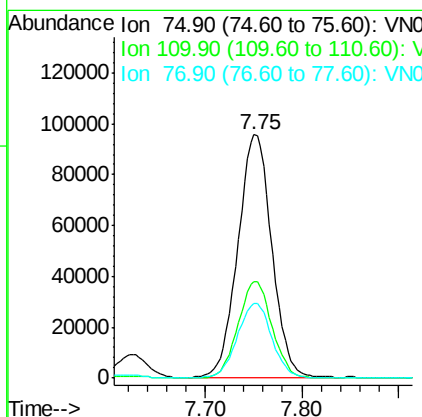
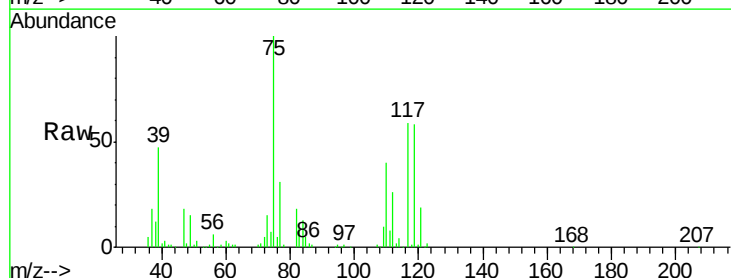
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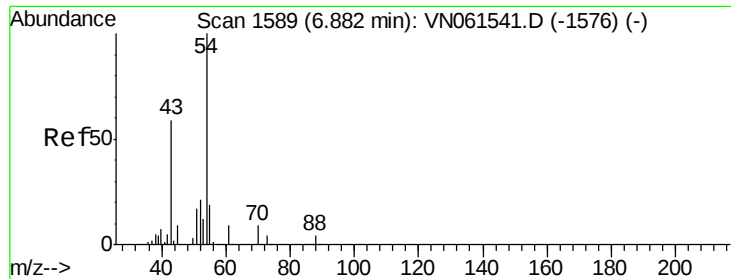
MMDadoda
 6/12/2020 5:46:26 PM



#36
 1,1-Dichloropropene
 Concen: 49.301 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	232277		
110	39.9	19.5	58.5	
77	31.7	24.7	37.1	





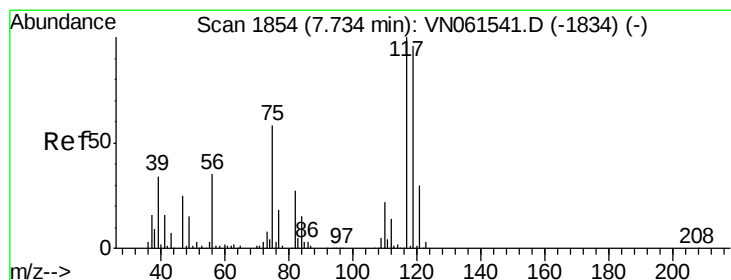
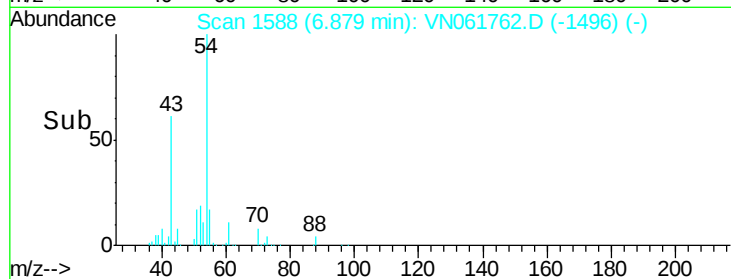
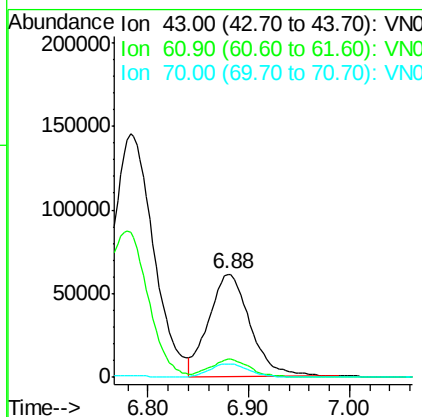
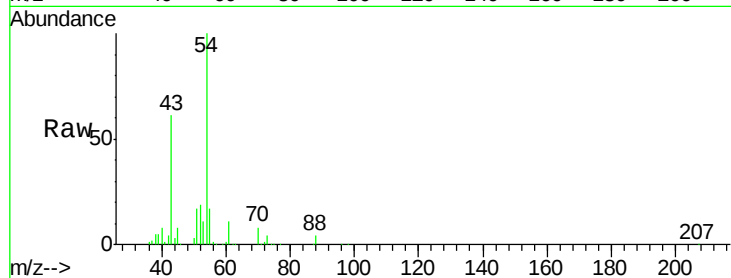
#37
Ethyl Acetate
Concen: 45.991 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.2	18.4
70	12.9	9.4	14.2

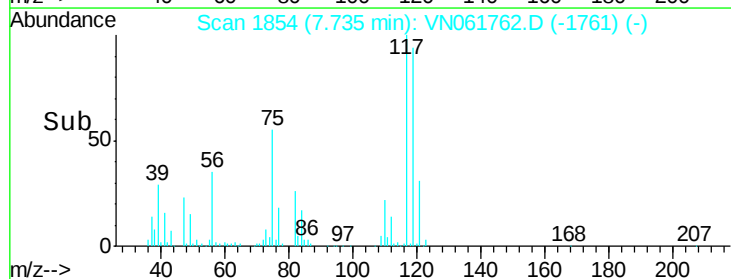
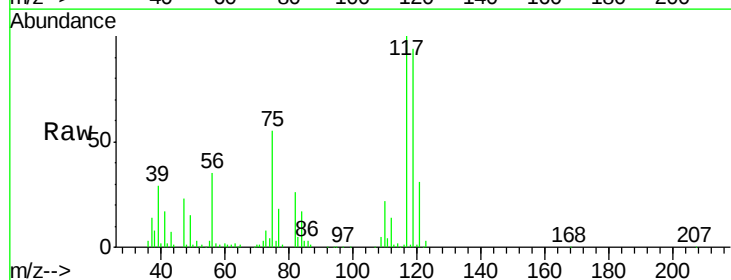
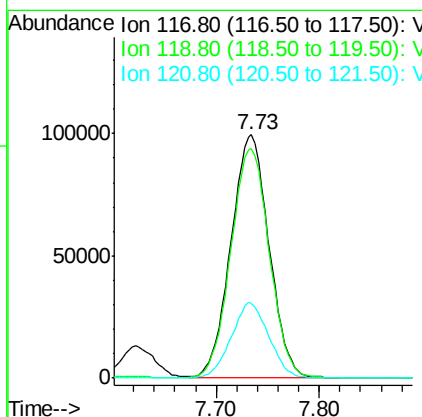
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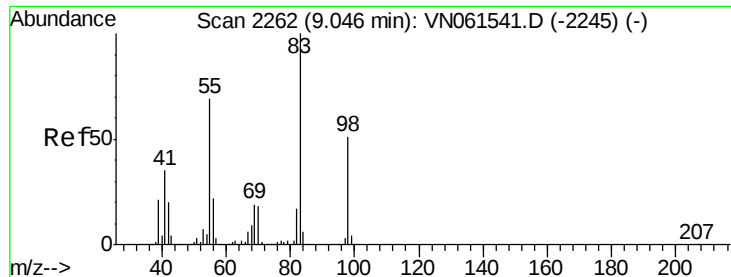
MMDadoda
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#38
Carbon Tetrachloride
Concen: 56.034 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
121	30.9	24.1	36.1





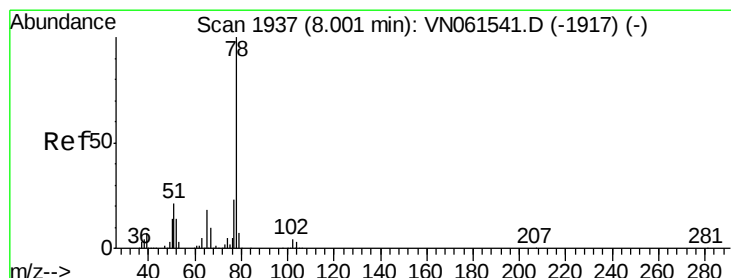
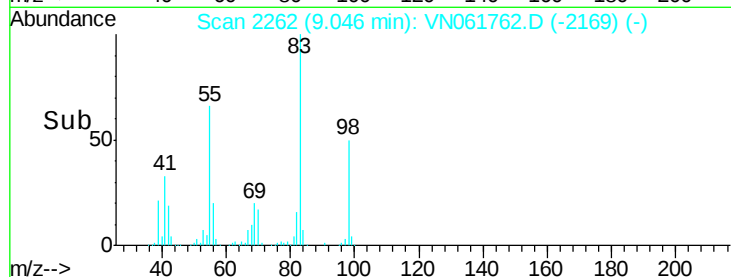
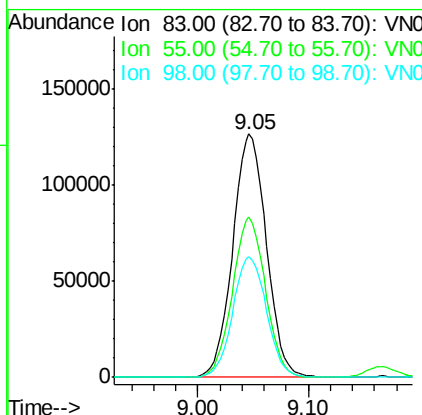
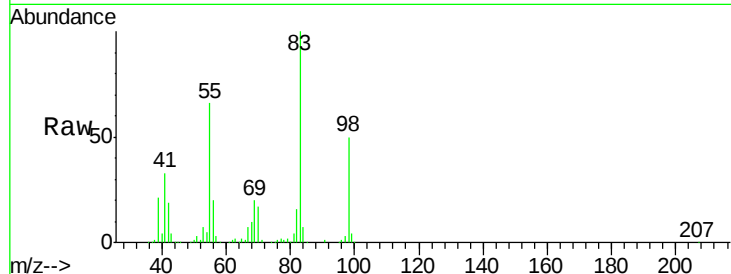
#39
Methvlcvclohexane
Concen: 45.958 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	266882		
55	65.7		54.9	82.3
98	49.5		41.0	61.4

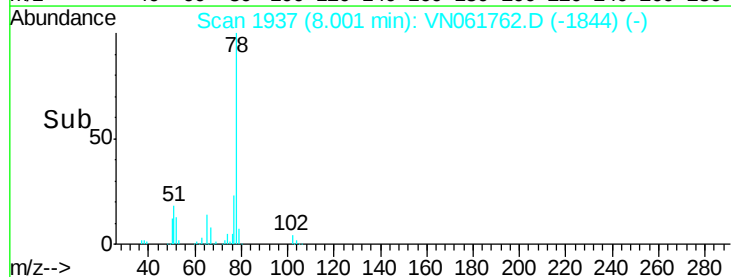
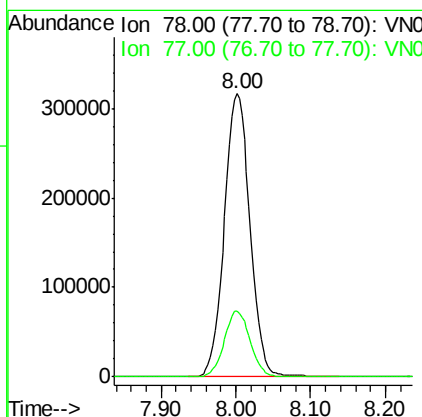
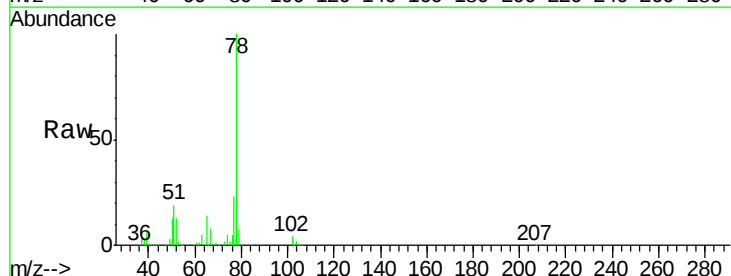
Manual Integrations
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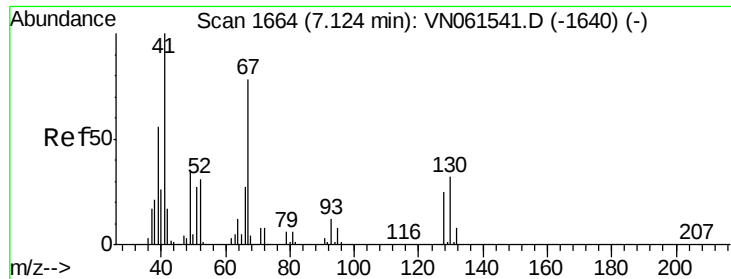
MMDadoda
6/12/2020 5:46:26 PM



#40
Benzene
Concen: 51.658 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	750943		
77	23.5		18.6	28.0





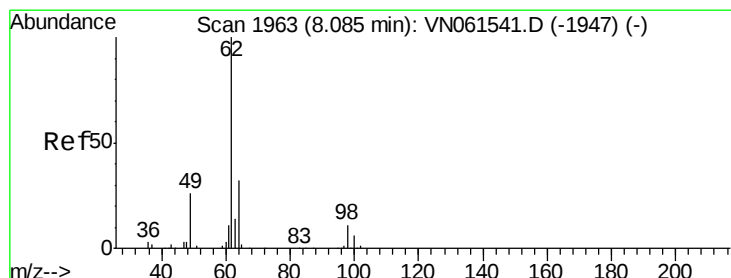
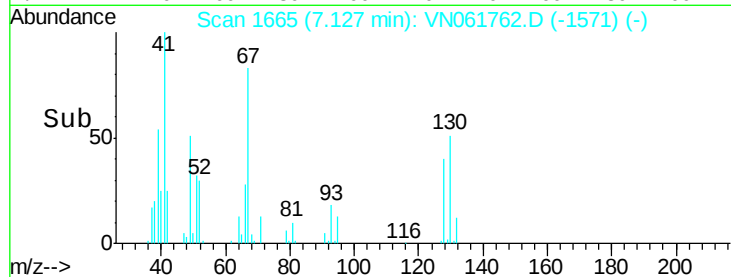
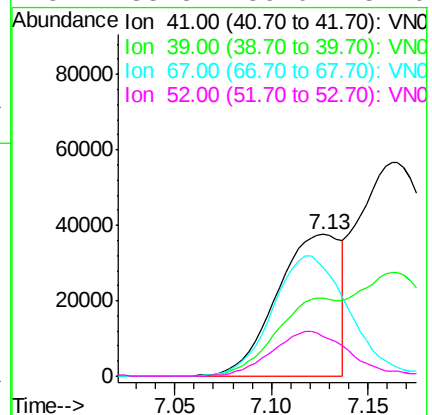
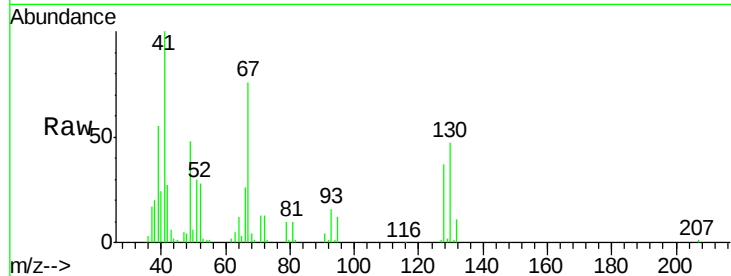
#41
Methacrylonitrile
Concen: 49.878 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	53.8	80.6#
67	101.2	91.1	136.7
52	38.8	36.0	54.0

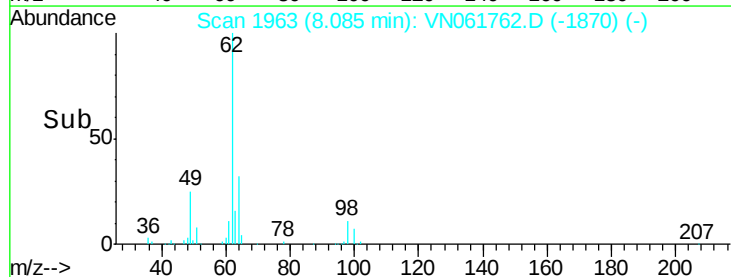
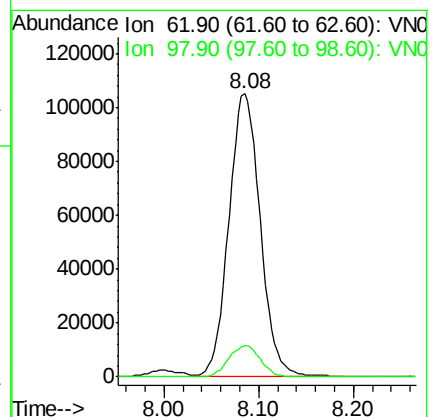
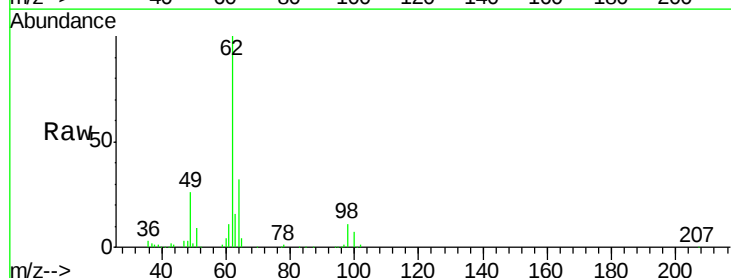
Manual Integrations
APPROVED

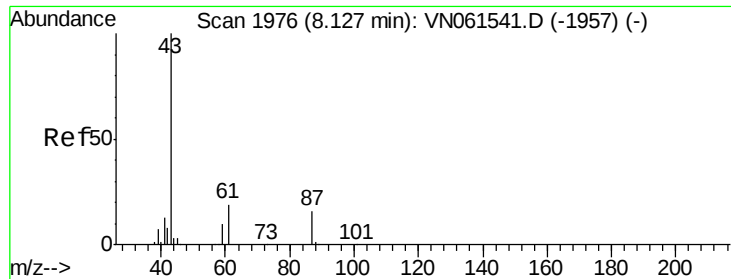
MMDadoda
6/12/2020 5:46:26 PM



#42
1,2-Dichloroethane
Concen: 49.644 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	21.4





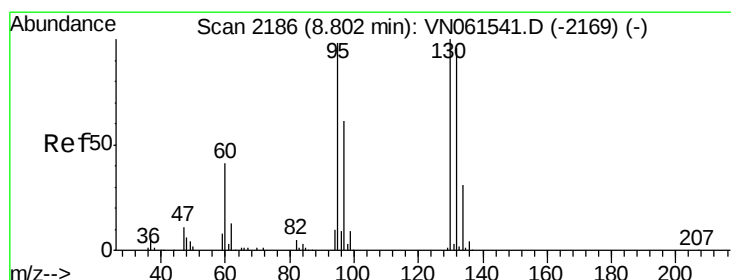
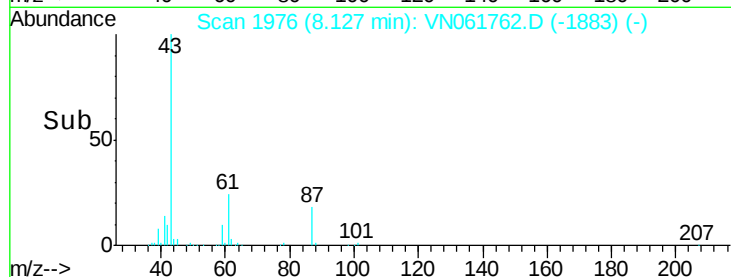
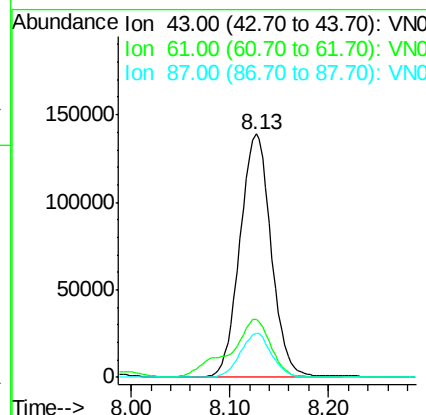
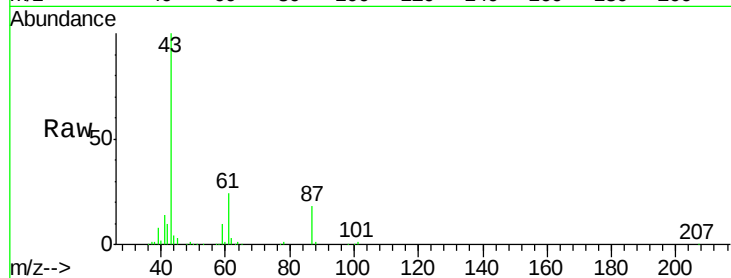
#43
Isopropyl Acetate
Concen: 44.507 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.9	23.6	35.4
87	18.1	13.0	19.6

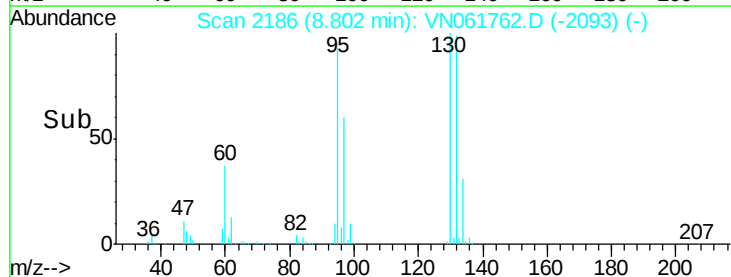
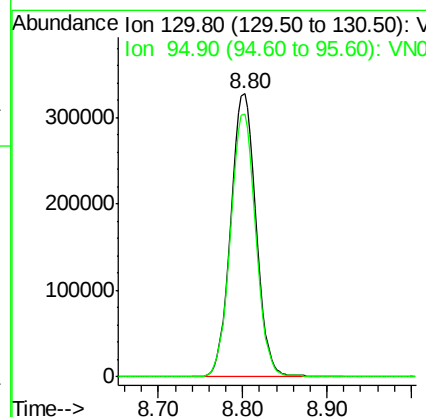
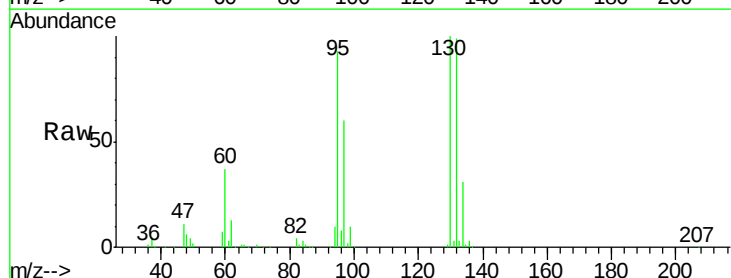
Manual Integrations
APPROVED

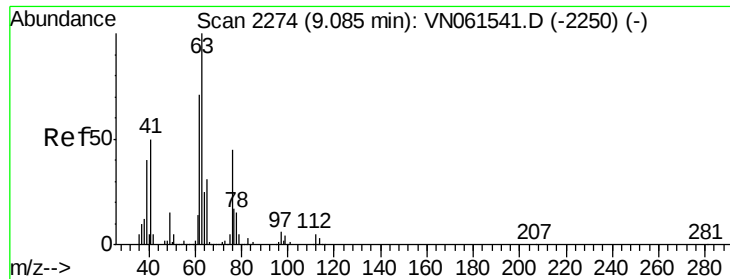
MMDadoda
6/12/2020 5:46:26 PM



#44
Trichloroethene
Concen: 153.081 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	196.6





#45

1,2-Dichloropropane

Concen: 51.890 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 63 Resp: 179113

Ion Ratio Lower Upper

63 100

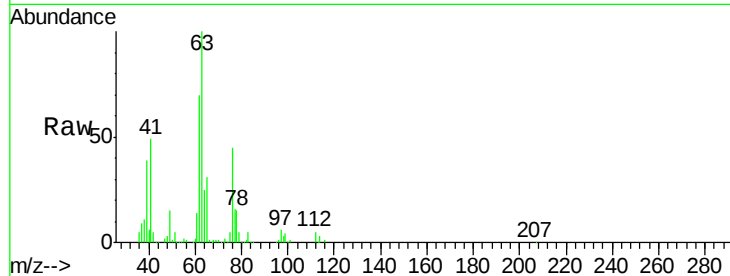
65 30.8 24.7 37.1

Manual Integrations

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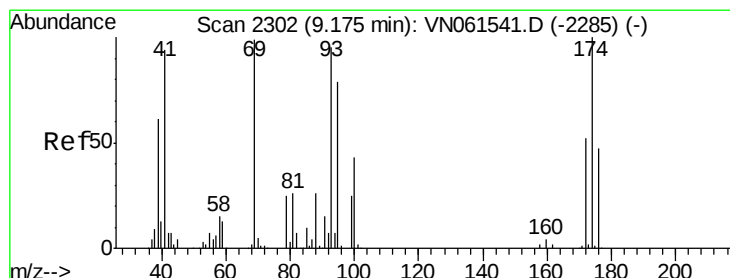
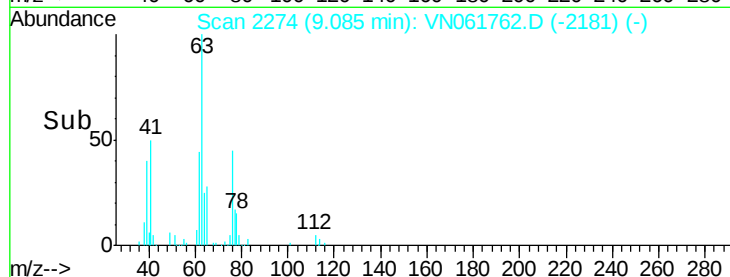
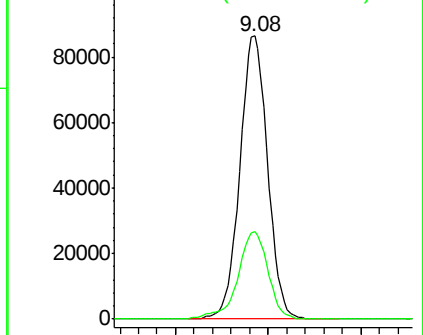
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN061762.D (-2281) (-)

Ion 64.90 (64.60 to 65.60): VN061762.D (-2281) (-)



#46

Dibromomethane

Concen: 51.093 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

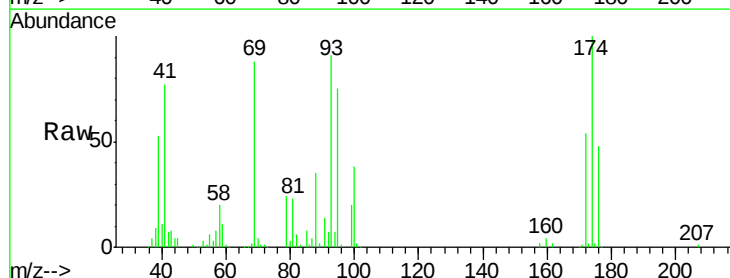
Tgt Ion: 93 Resp: 135260

Ion Ratio Lower Upper

93 100

95 82.9 66.0 99.0

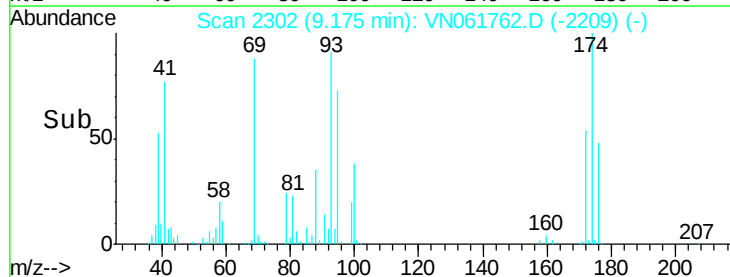
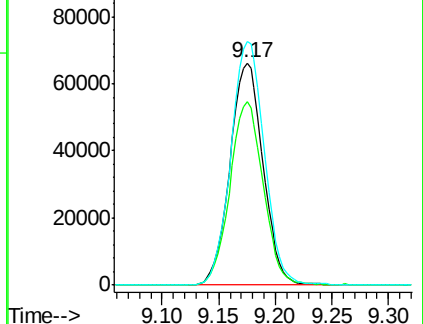
174 110.2 82.5 123.7

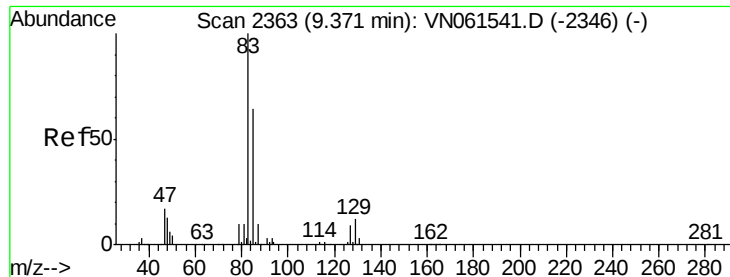


Abundance Ion 92.80 (92.50 to 93.50): VN061762.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN061762.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN061762.D (-2209) (-)





#47

Bromodichloromethane

Concen: 52.838 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

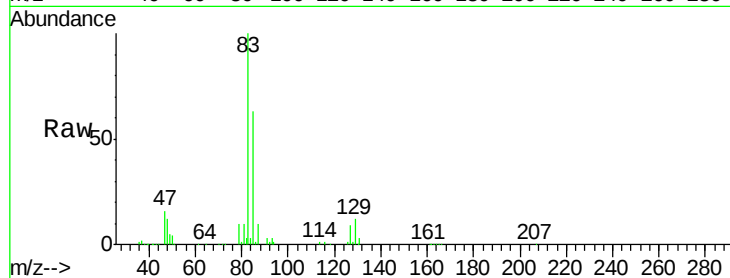
ClientSampleId :

RE108D2-20200608MSD

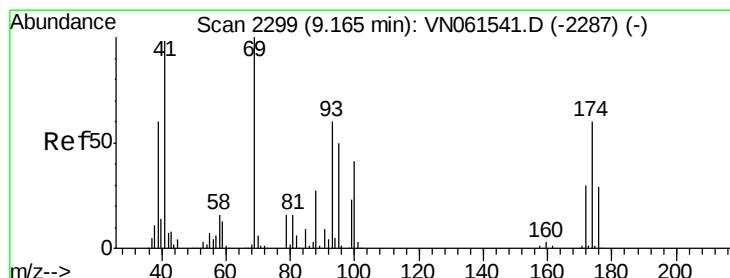
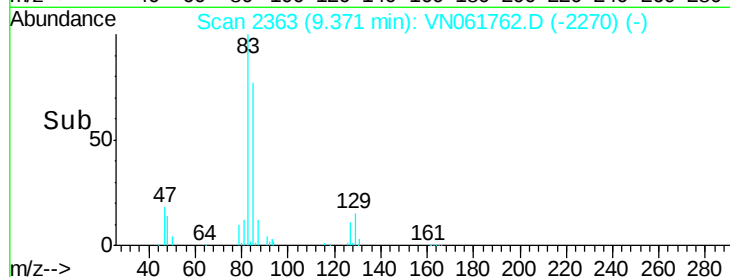
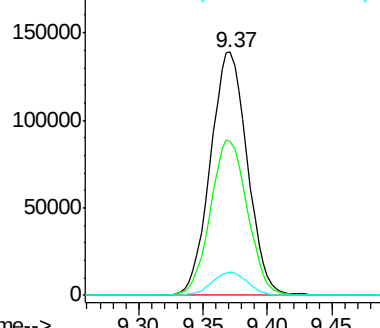
Tot Ion:	83	Resp:	277133
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.1	76.7
127	9.4	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061762.D (-2270) (-)



#48

Methyl methacrylate

Concen: 43.578 ug/l

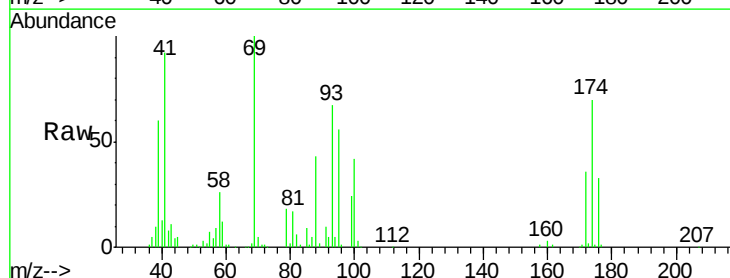
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

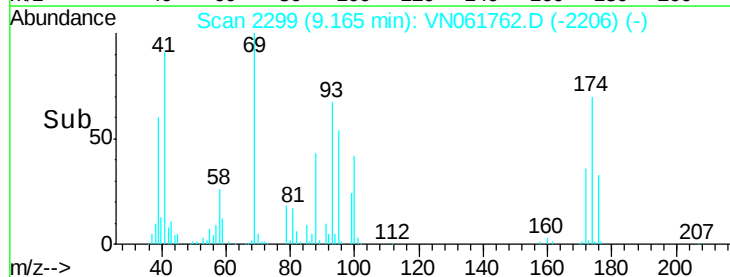
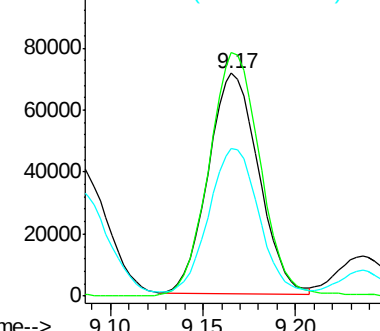
Lab File: VN061762.D

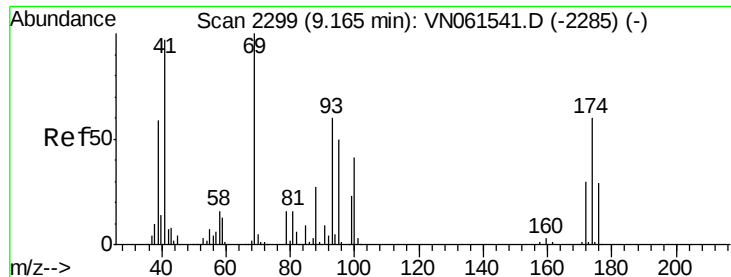
Acq: 11 Jun 2020 21:08

Tgt Ion:	41	Resp:	133854
Ion Ratio	Lower	Upper	
41	100		
69	112.6	83.9	125.9
39	67.4	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061762.D (-2206) (-)





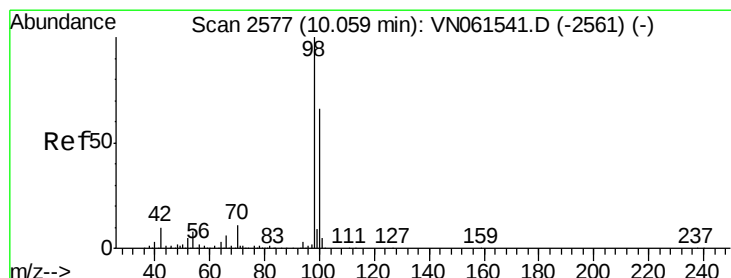
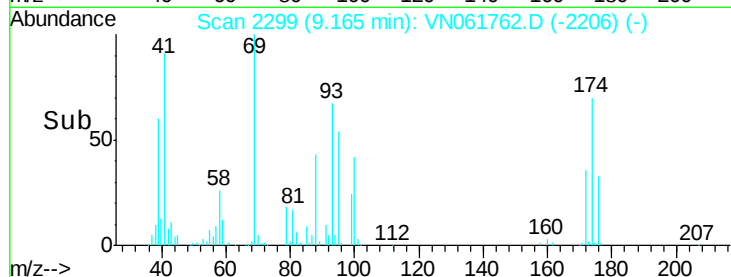
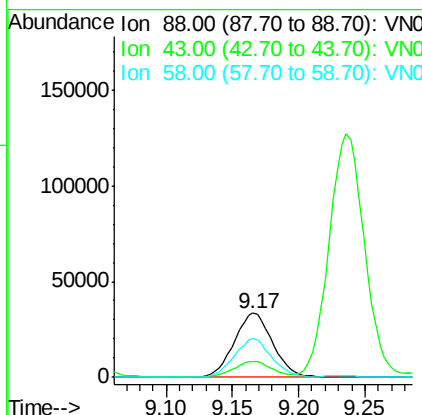
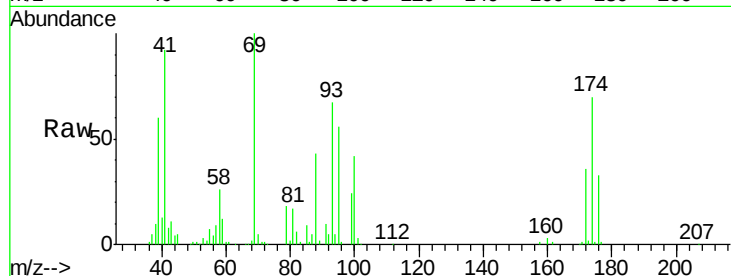
#49
1,4-Dioxane
Concen: 1422.485 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	88	Resp	67688
Ion Ratio	Lower	Upper	
88	100		
43	23.7	23.1	34.7
58	58.6	48.3	72.5

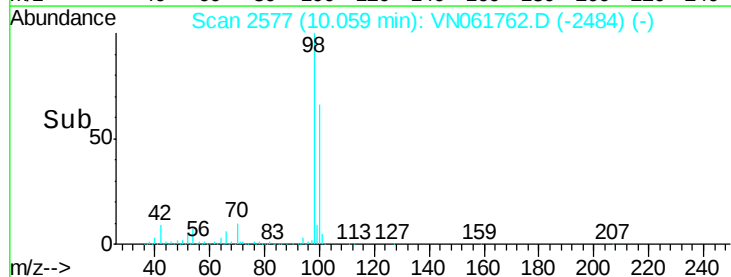
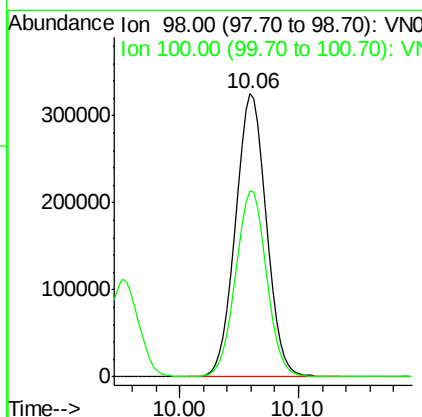
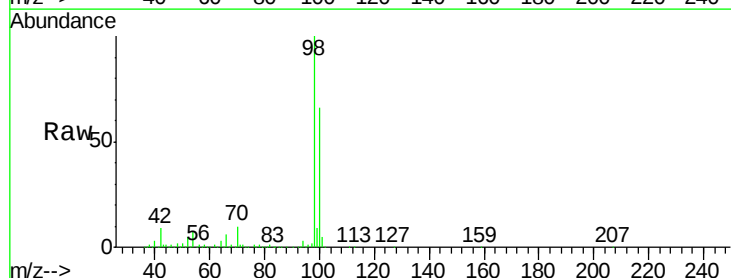
Manual Integrations
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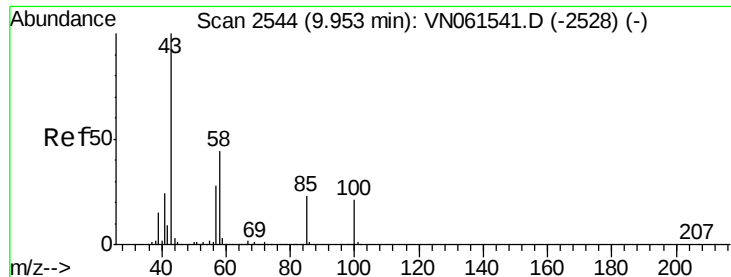
MMDadoda
6/12/2020 5:46:26 PM



#50
Toluene-d8
Concen: 46.816 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	98	Resp	585711
Ion Ratio	Lower	Upper	
98	100		
100	65.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 232.818 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 43 Resp: 895701

Ion Ratio Lower Upper

43 100

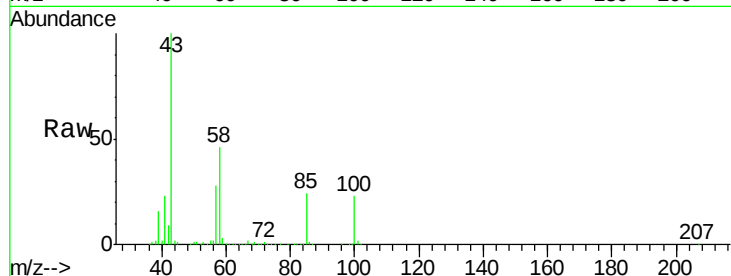
58 46.0 35.0 52.6

Manual Integrations

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6/12/2020 5:46:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)

9.95

500000

400000

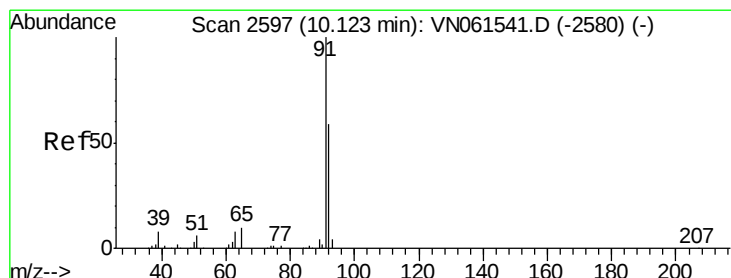
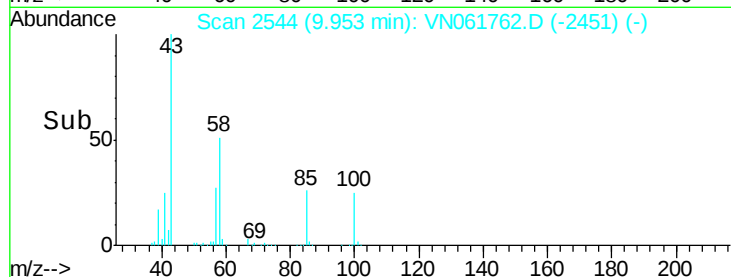
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.687 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061762.D

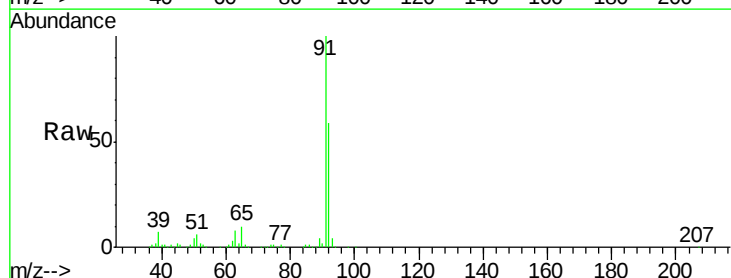
Acq: 11 Jun 2020 21:08

Tgt Ion: 92 Resp: 490402

Ion Ratio Lower Upper

92 100

91 173.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)

10.12

500000

400000

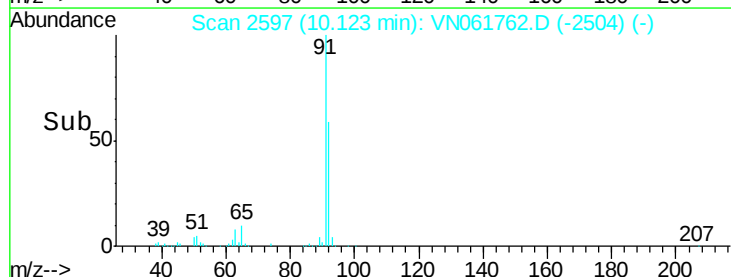
300000

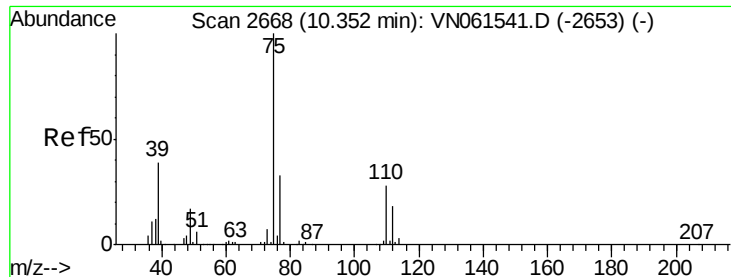
200000

100000

0

Time-->





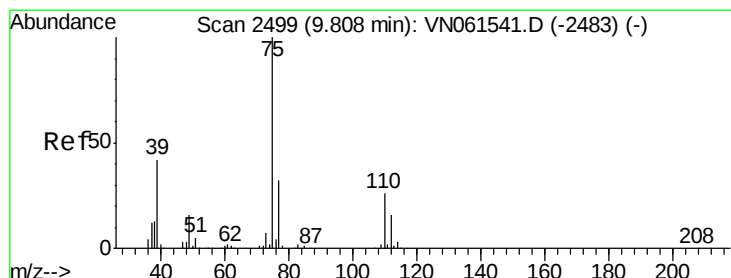
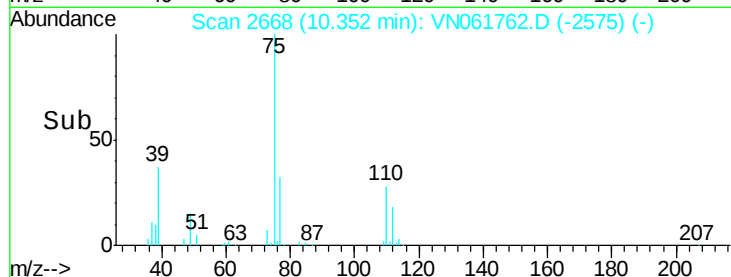
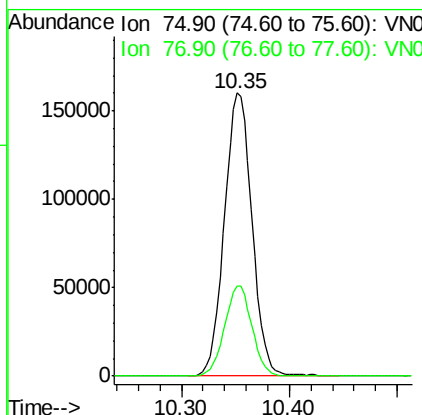
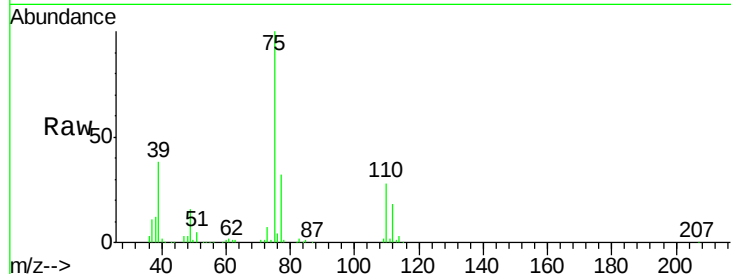
#53
t-1,3-Dichloropropene
Concen: 50.432 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.2	39.4

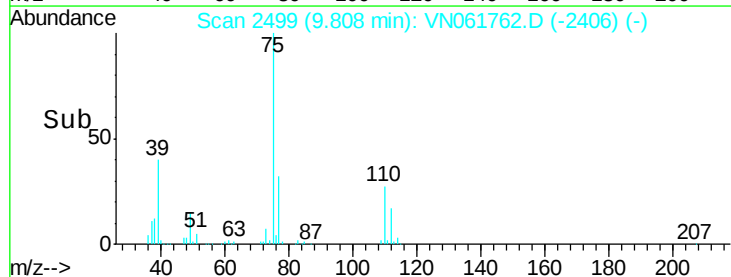
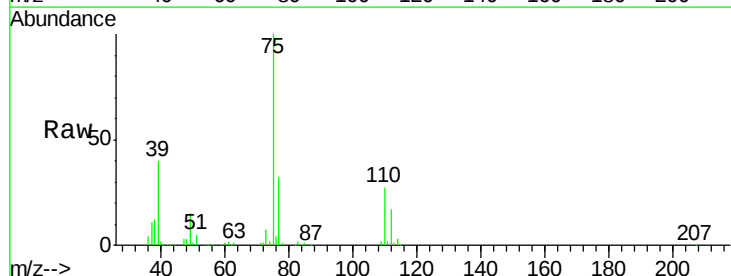
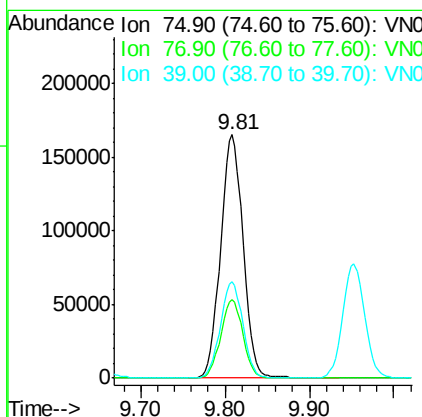
Manual Integrations
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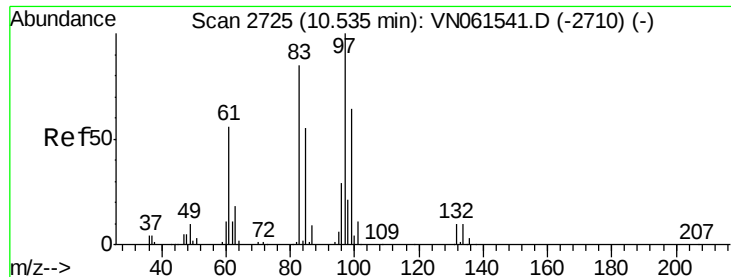
MMDadoda
6/12/2020 5:46:26 PM



#54
cis-1,3-Dichloropropene
Concen: 50.333 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2
39	39.7	33.8	50.6





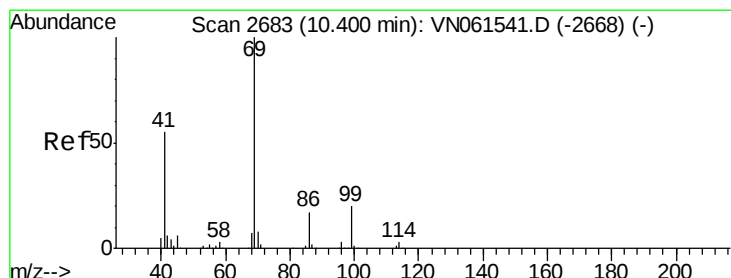
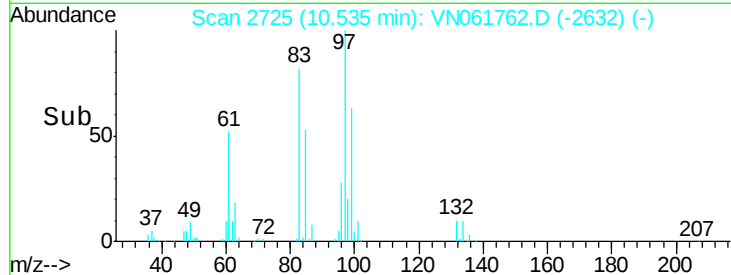
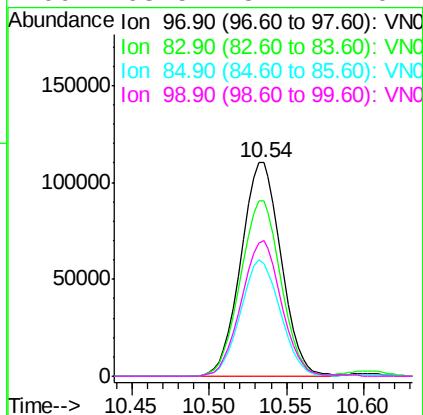
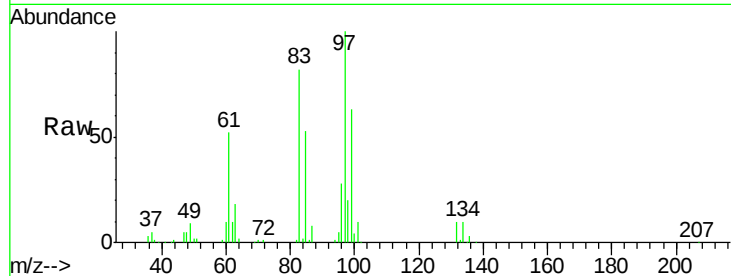
#55
 1,1,2-Trichloroethane
 Concen: 52.824 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		199676		
83	82.3	68.1	102.1		
85	53.0	44.1	66.1		
99	63.5	51.1	76.7		

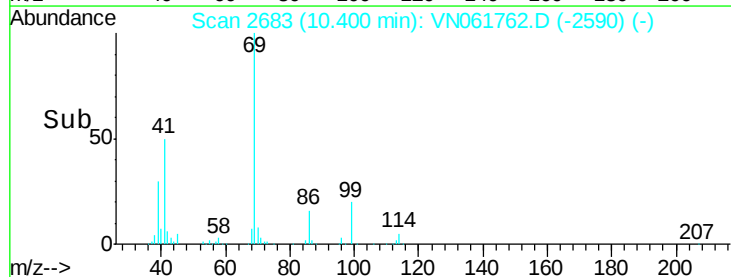
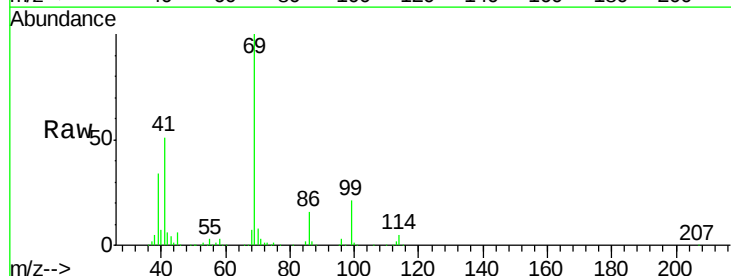
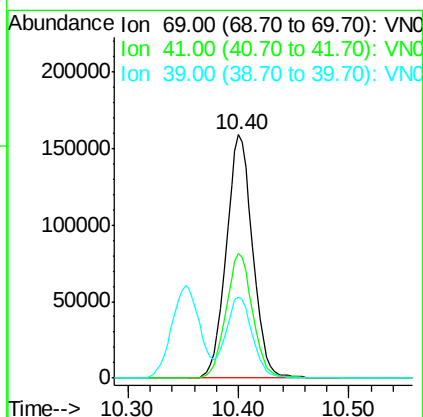
Manual Integrations
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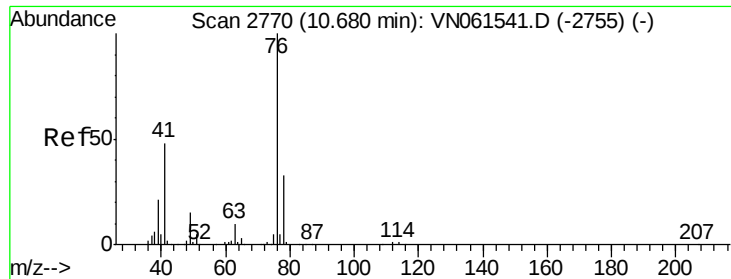
MMDadoda
 6/12/2020 5:46:26 PM



#56
 Ethyl methacrylate
 Concen: 49.767 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		262788		
41	51.0	43.5	65.3		
39	33.4	27.0	40.6		





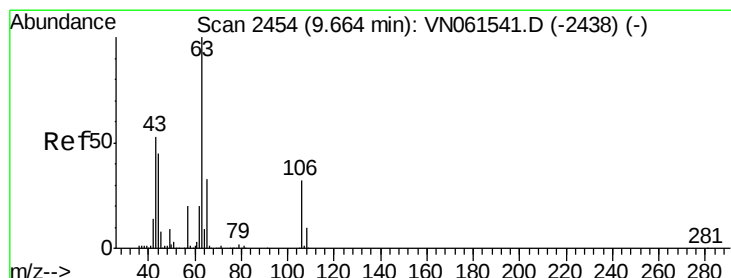
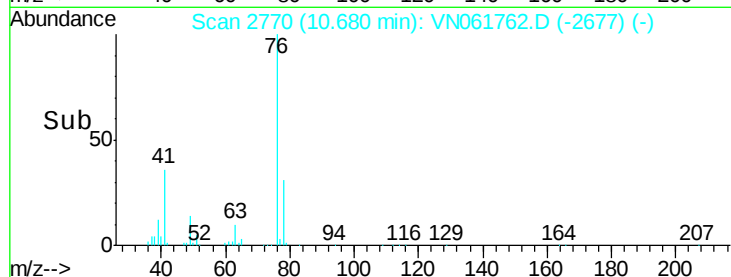
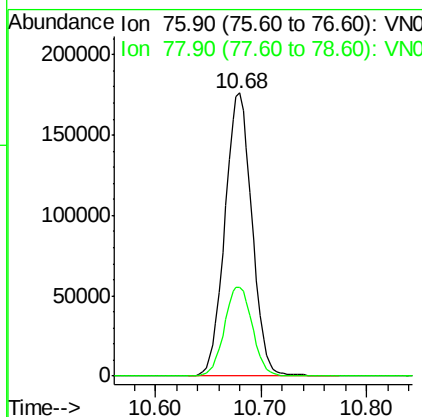
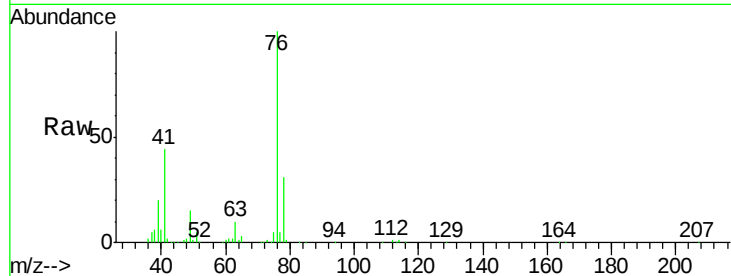
#57
 1,3-Dichloropropane
 Concen: 51.646 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

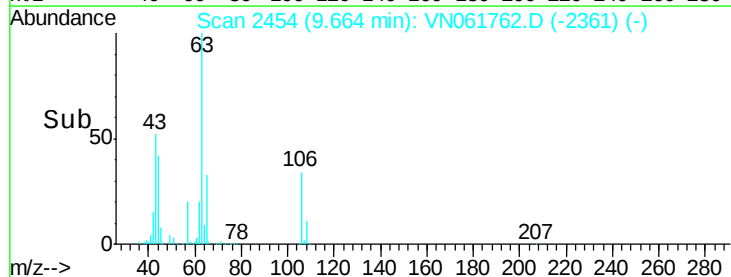
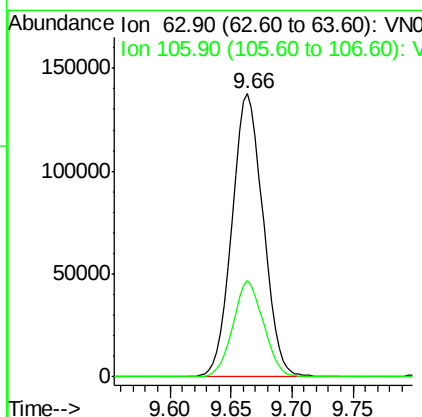
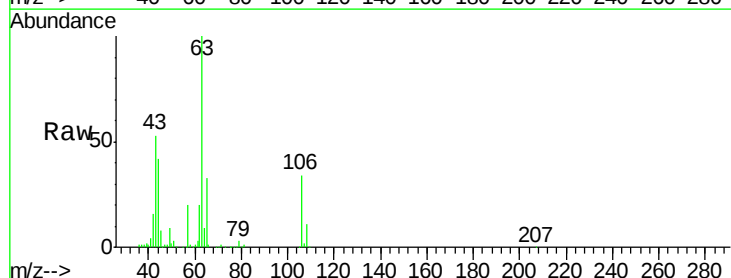
Manual Integrations
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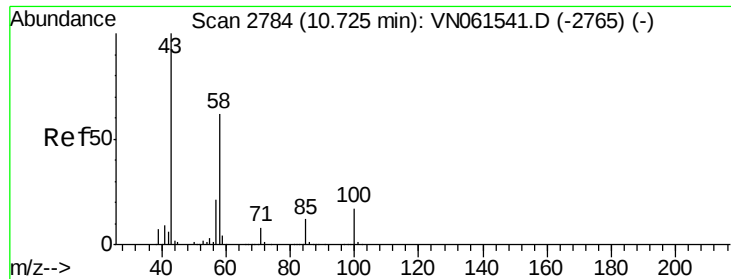
MMDadoda
 6/12/2020 5:46:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.464 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.2	25.9	38.9





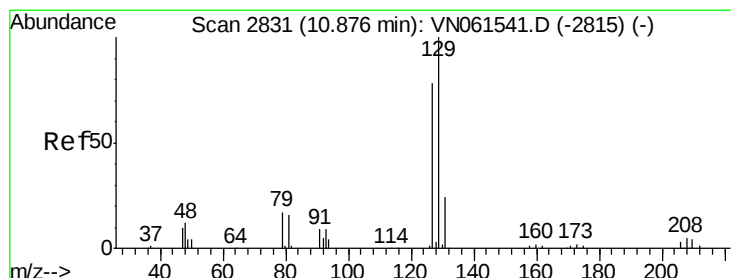
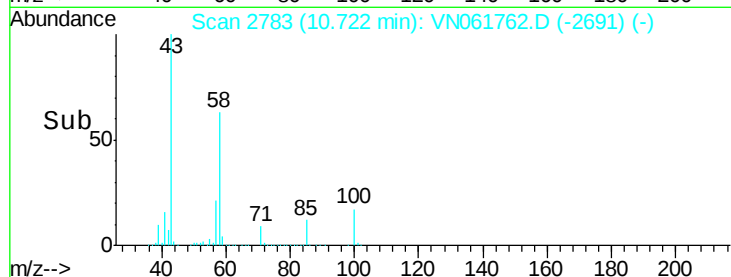
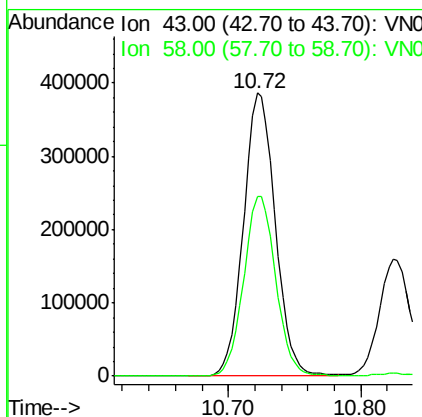
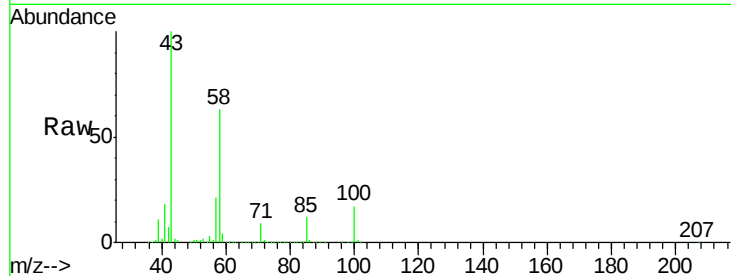
#59
2-Hexanone
Concen: 232.833 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion: 43 Resp: 643311
Ion Ratio Lower Upper
43 100
58 64.2 30.7 92.1

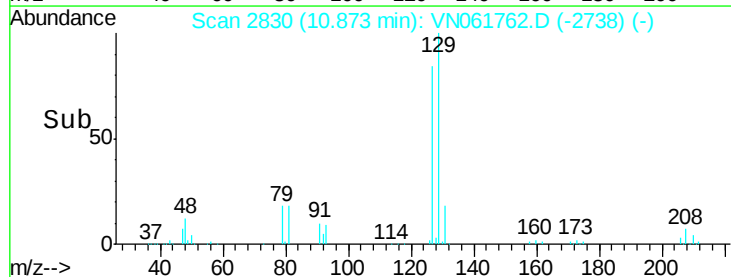
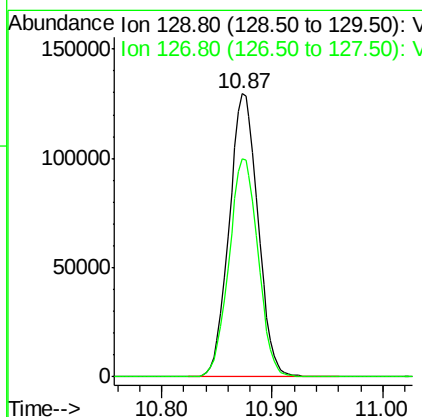
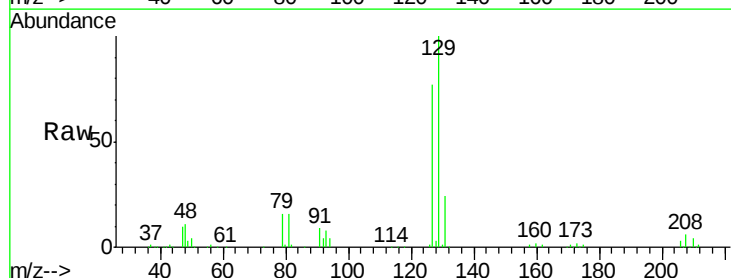
Manual Integrations
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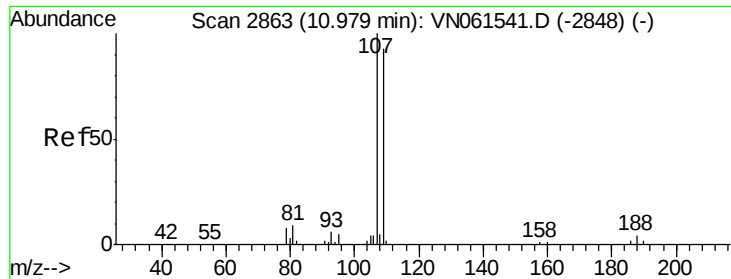
MMDadoda
6/12/2020 5:46:26 PM



#60
Dibromochloromethane
Concen: 54.790 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion: 129 Resp: 235451
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





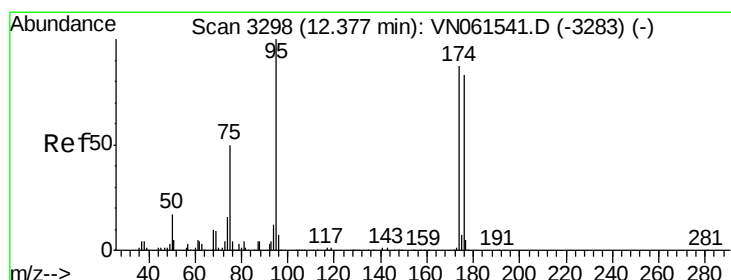
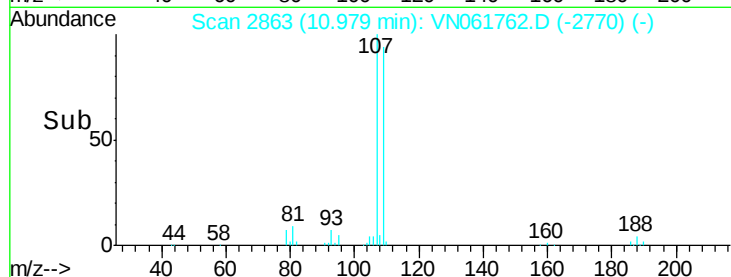
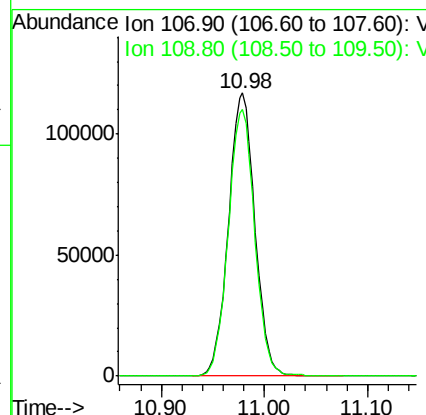
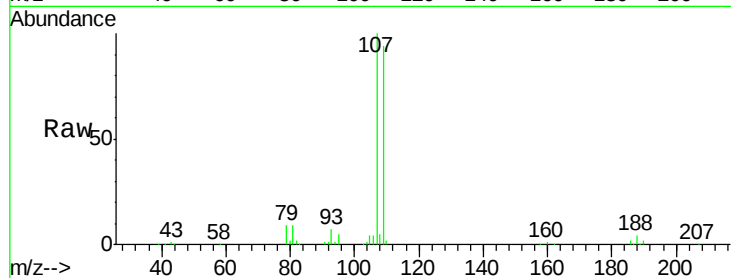
#61
 1,2-Dibromoethane
 Concen: 52.964 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	208806		
109	94.7	76.1	114.1	

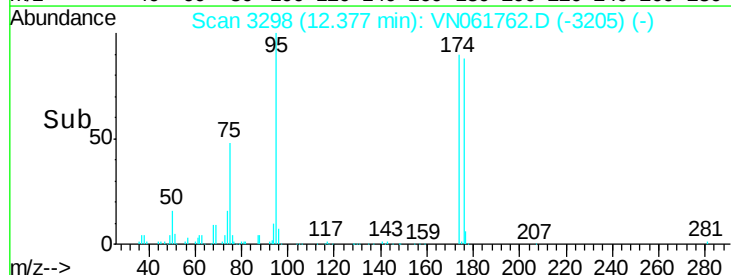
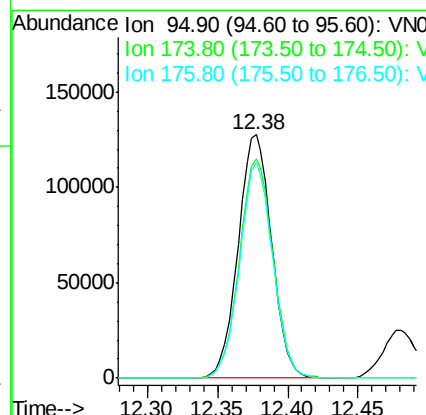
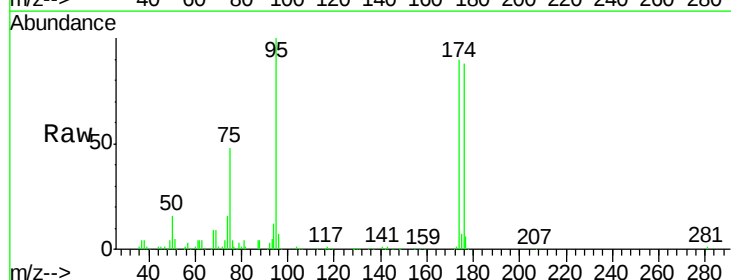
Manual Integrations
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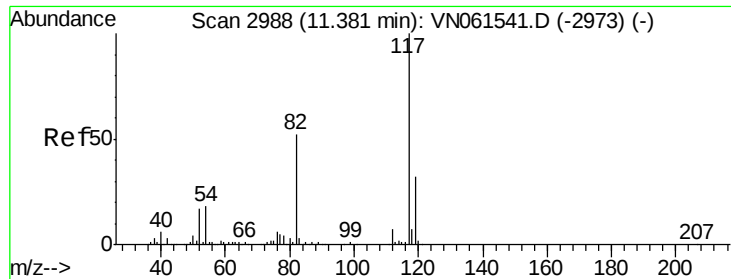
MMDadoda
 6/12/2020 5:46:26 PM



#62
 4-Bromofluorobenzene
 Concen: 46.470 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	212110		
174	90.5	0.0	172.8	
176	87.8	0.0	164.8	





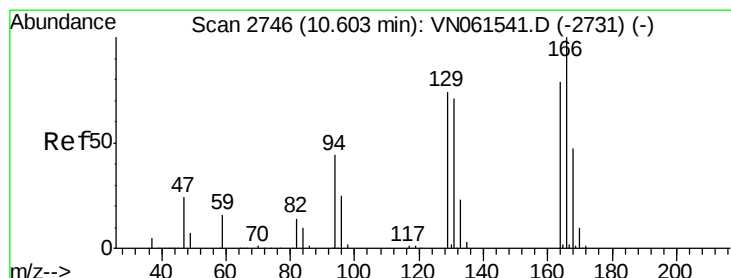
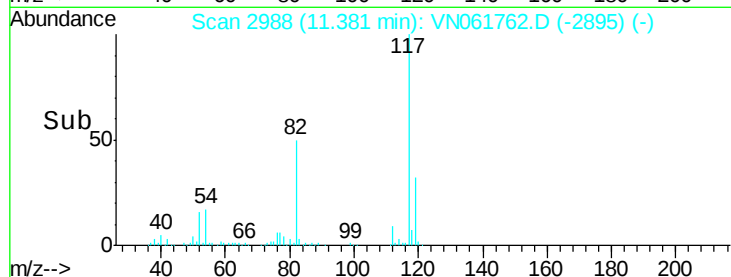
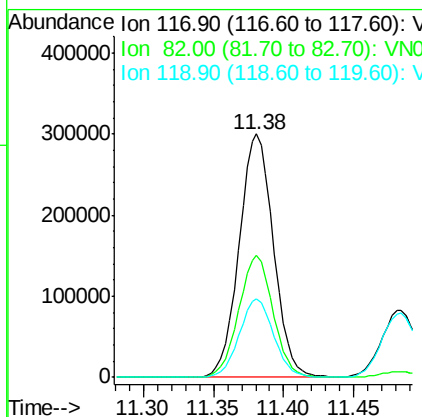
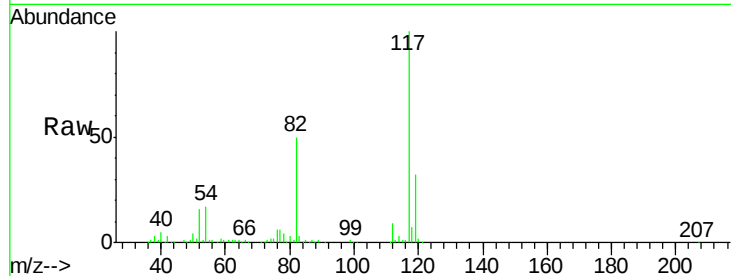
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.9	41.5	62.3
119	32.3	25.6	38.4

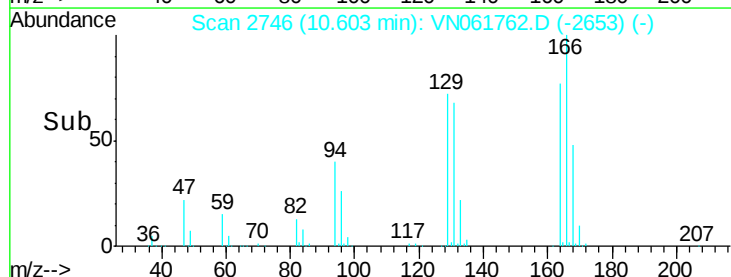
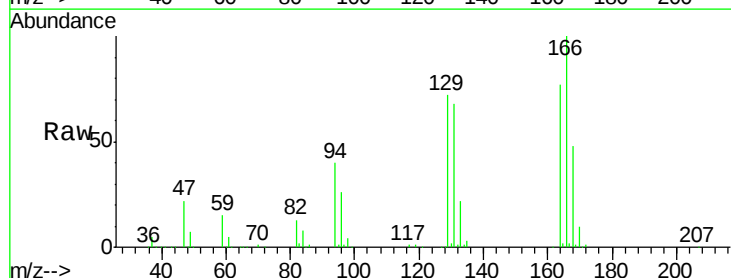
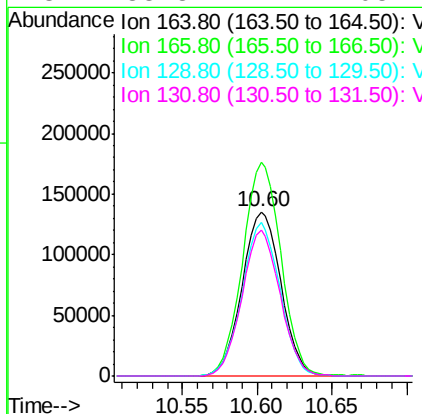
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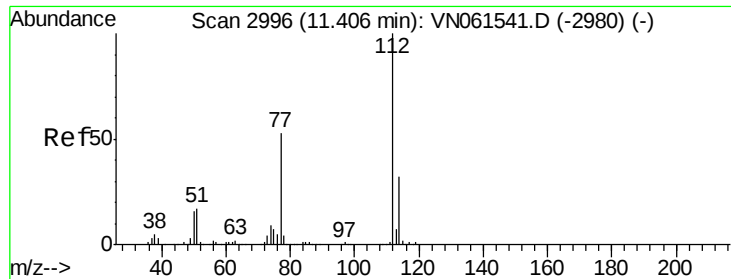
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#64
Tetrachloroethene
Concen: 50.796 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.5	152.3
129	93.5	74.9	112.3
131	88.8	72.2	108.2





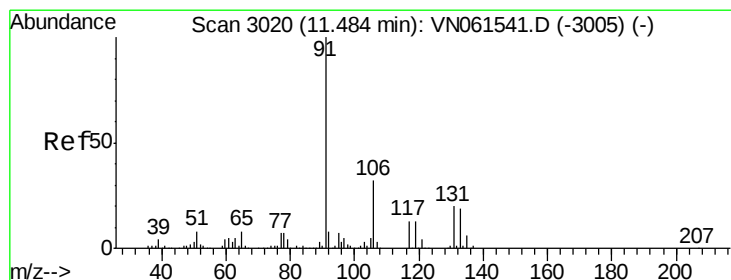
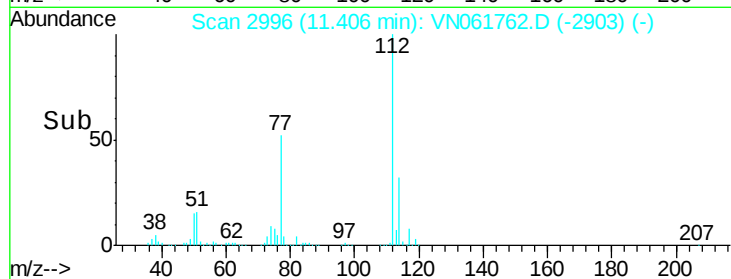
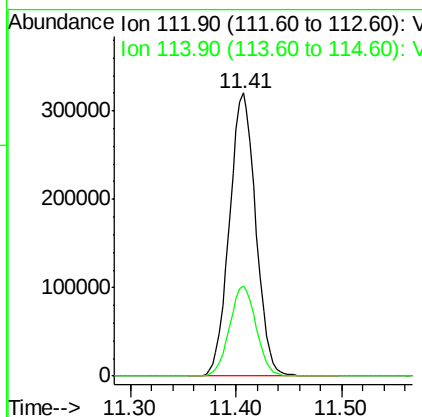
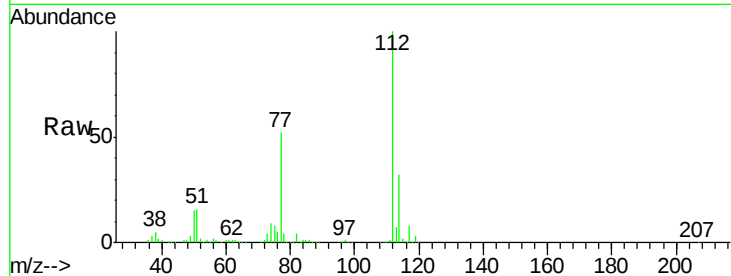
#65
Chlorobenzene
Concen: 51.850 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	551641		
114	31.7	25.7	38.5	

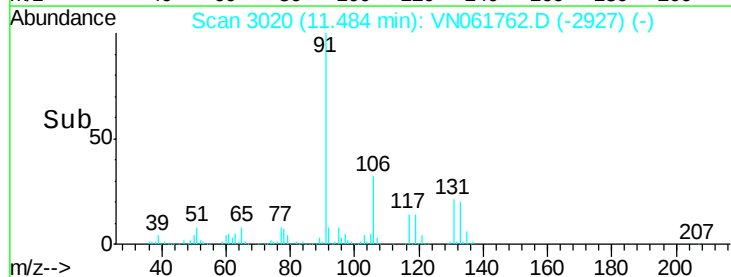
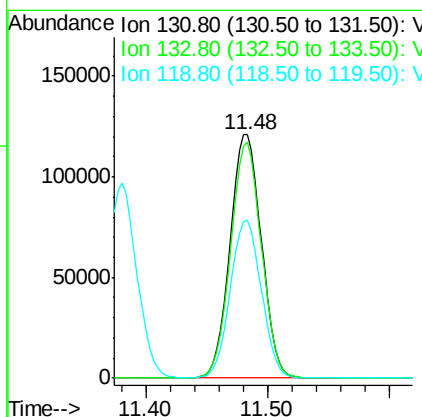
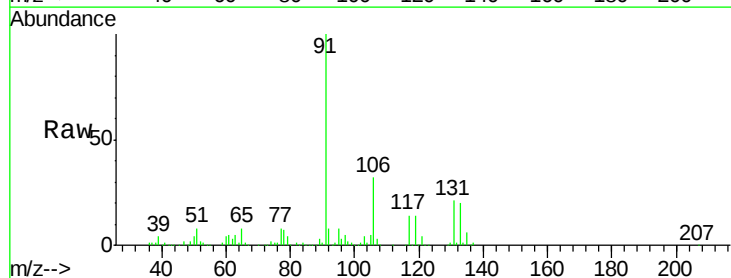
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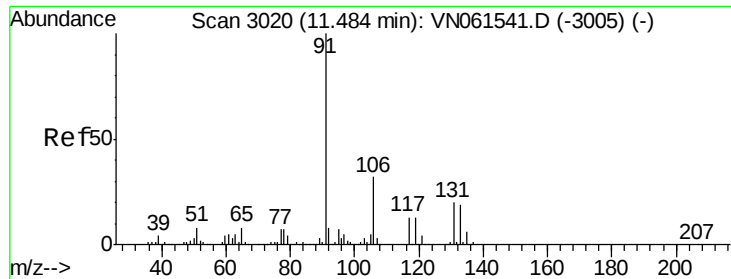
MMDadoda
6/12/2020 5:46:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.468 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	215774		
133	95.3	47.4	142.2	
119	64.8	32.6	97.8	





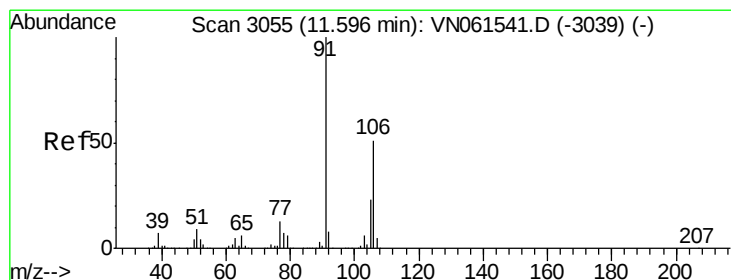
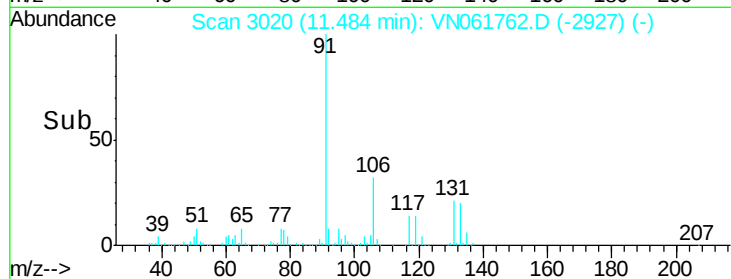
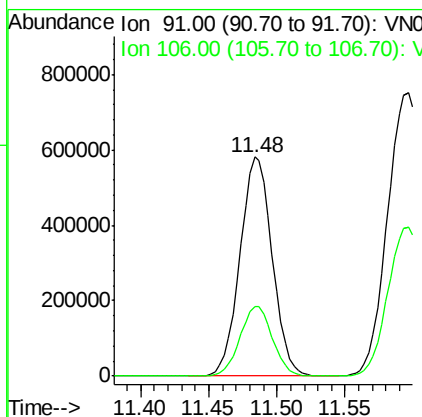
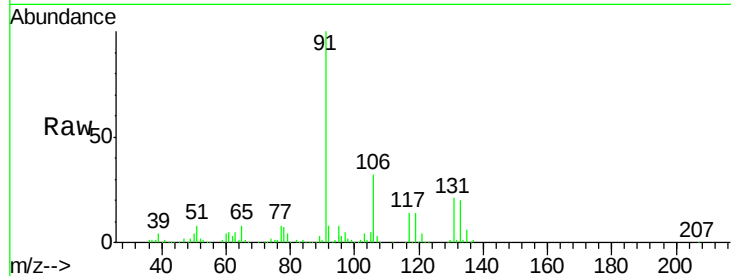
#67
Ethyl Benzene
Concen: 51.808 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion: 91 Resp: 952682
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

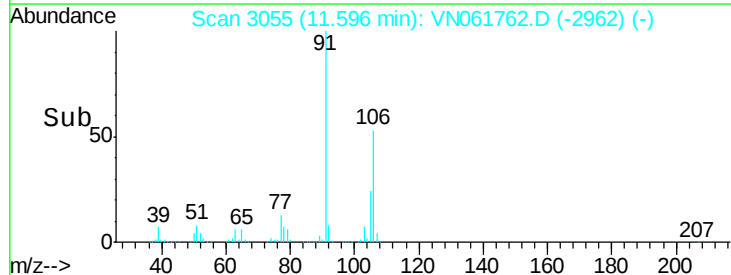
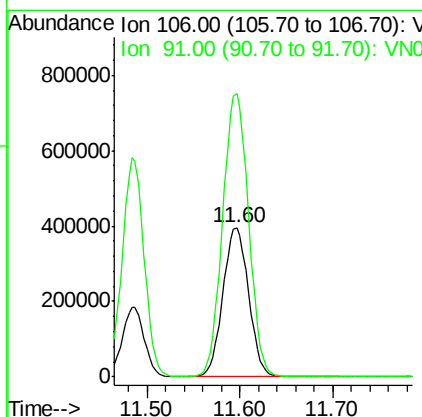
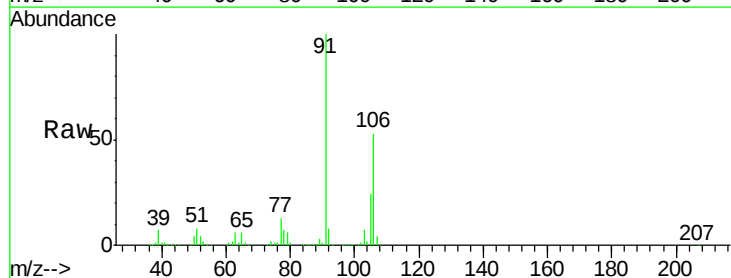
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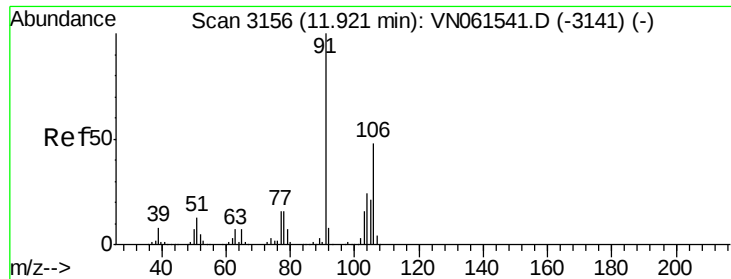
MMDadoda
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#68
m/p-Xylenes
Concen: 104.221 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion: 106 Resp: 759888
Ion Ratio Lower Upper
106 100
91 191.7 156.2 234.4





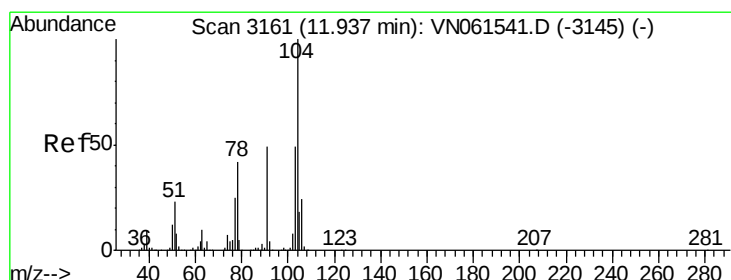
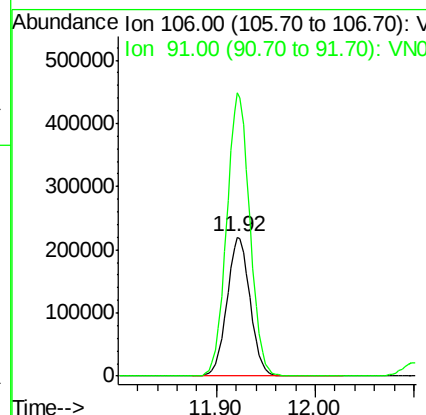
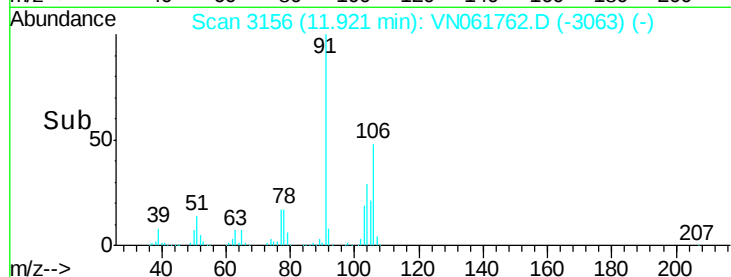
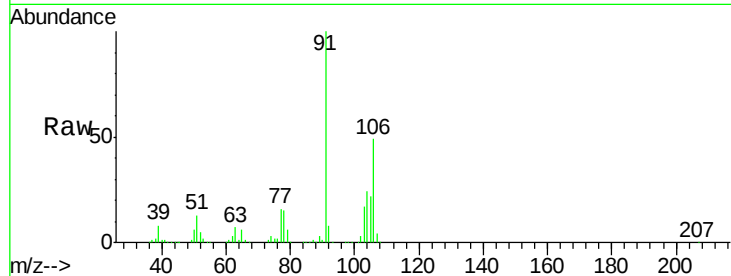
#69
o-Xylene
Concen: 52.222 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.2	103.3	361645		309.8

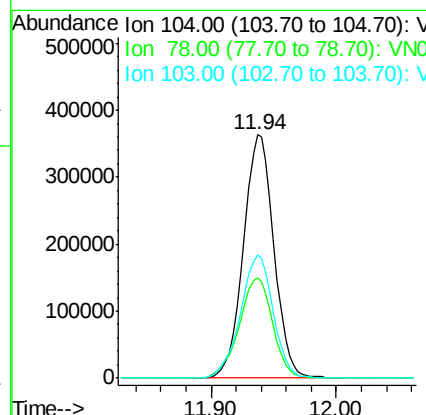
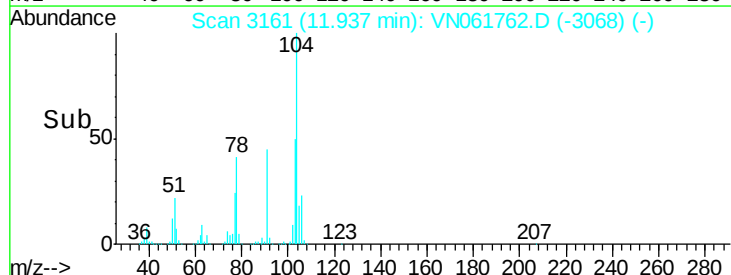
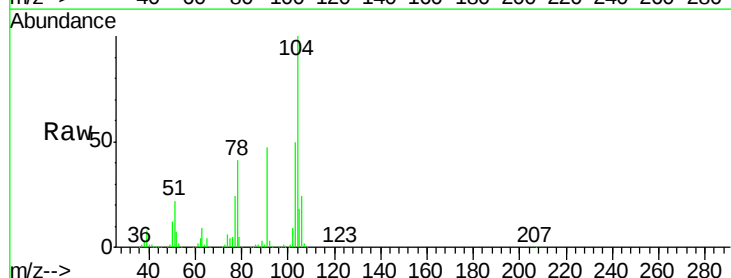
Manual Integrations
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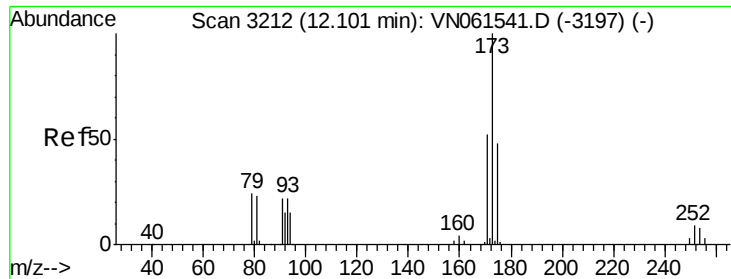
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#70
Styrene
Concen: 53.495 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	45.4	37.4	613489		56.0
103	54.4	42.3			63.5





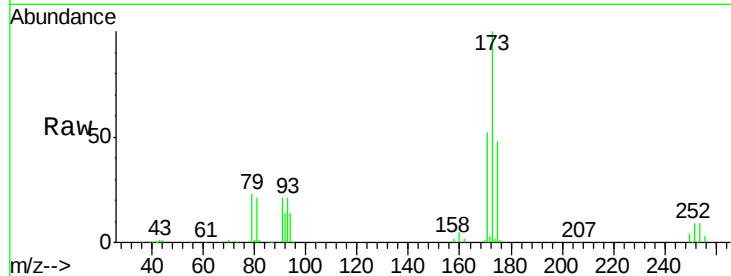
#71
Bromoform
Concen: 55.026 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

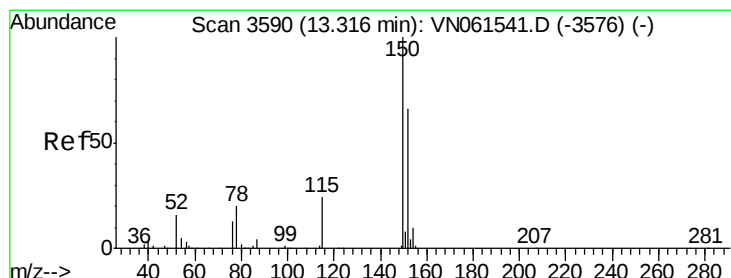
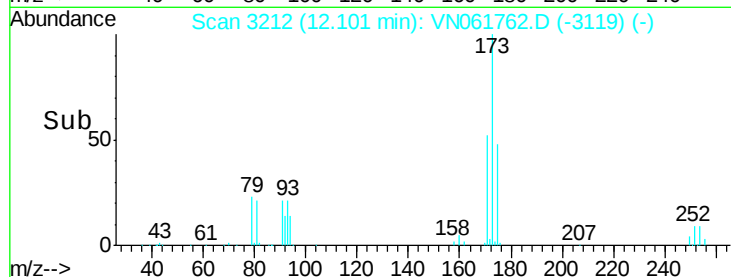
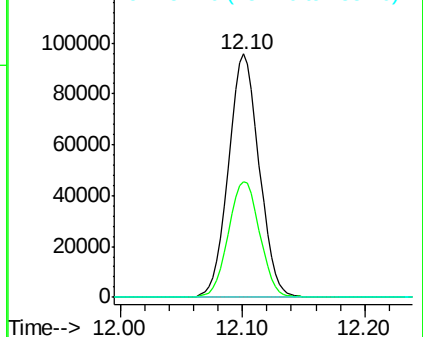
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.0	0.0	0.0

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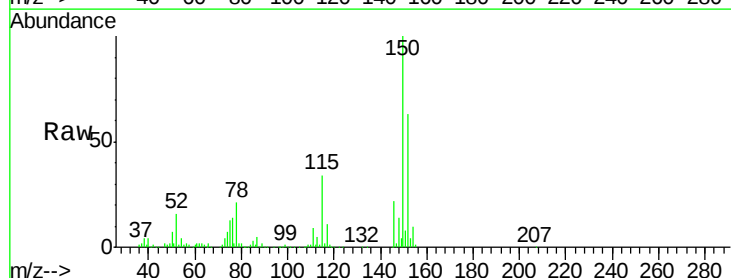


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

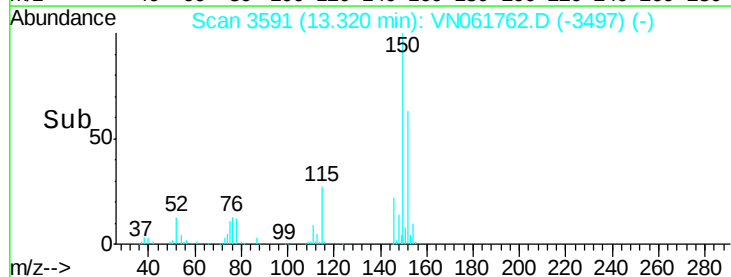
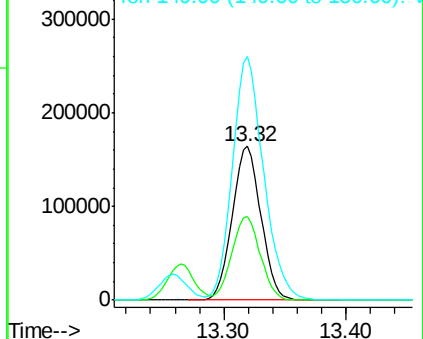


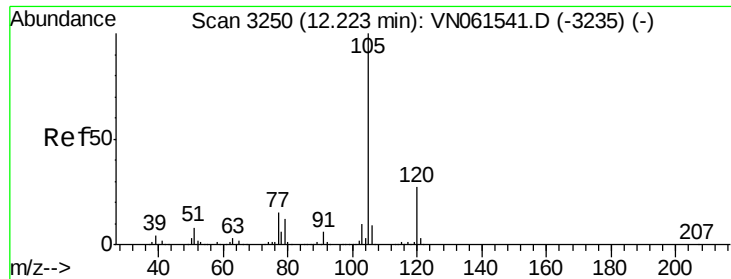
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	28.0	84.0
150	172.7	0.0	344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.717 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 105 Resp: 951371

Ion Ratio Lower Upper

105 100

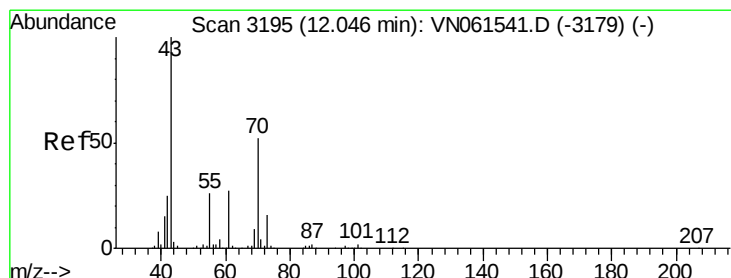
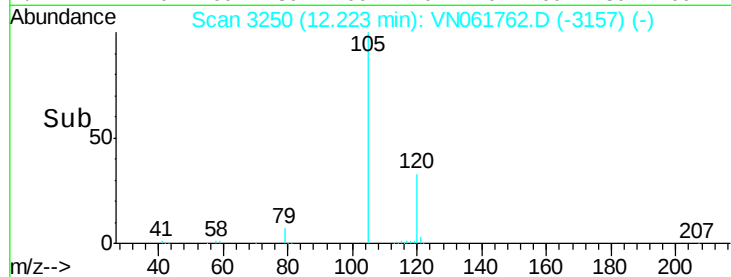
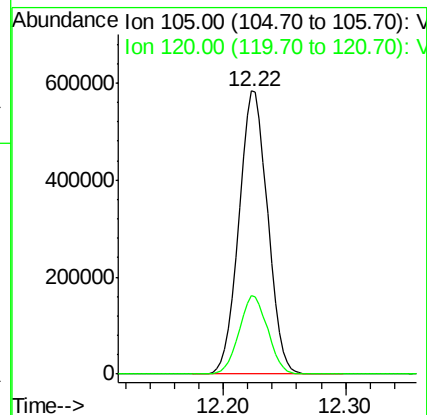
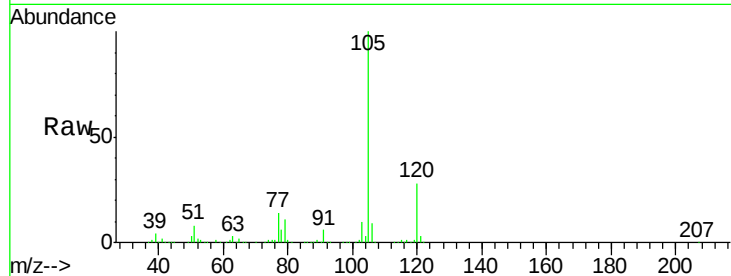
120 27.6 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 43.193 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion: 43 Resp: 265636

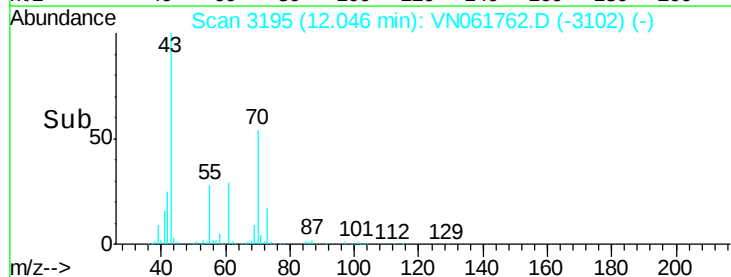
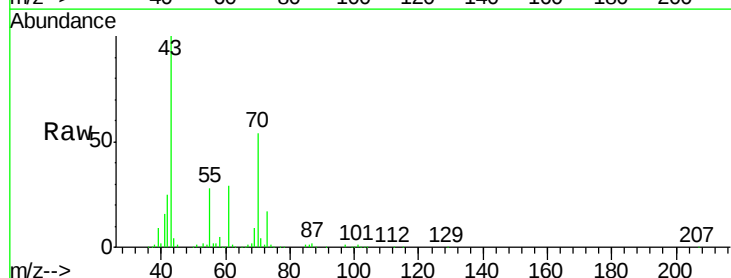
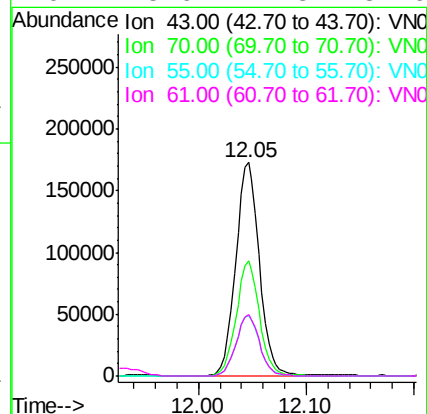
Ion Ratio Lower Upper

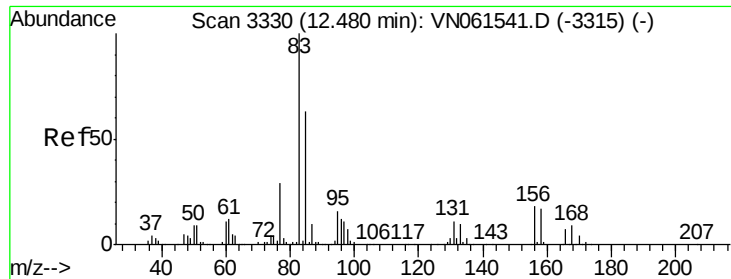
43 100

70 52.7 40.5 60.7

55 28.2 20.6 31.0

61 28.6 21.8 32.6





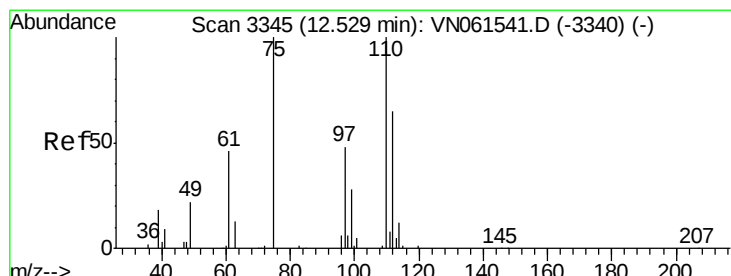
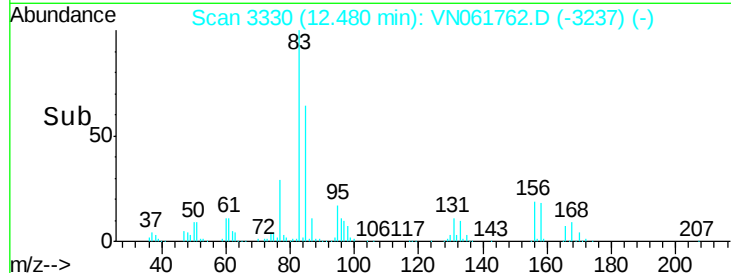
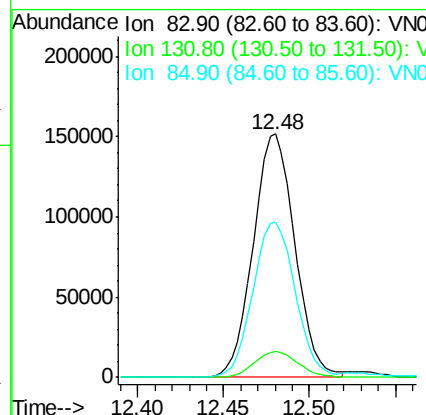
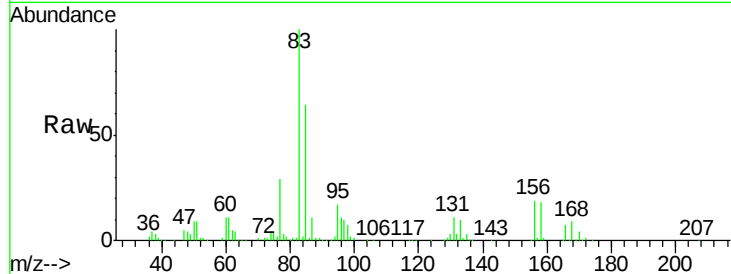
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.638 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	255225		
131	11.2	5.5	16.5	
85	64.7	32.1	96.3	

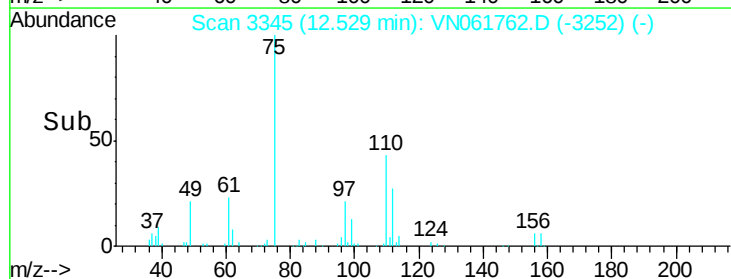
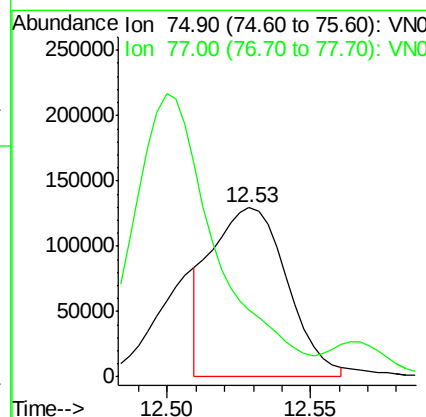
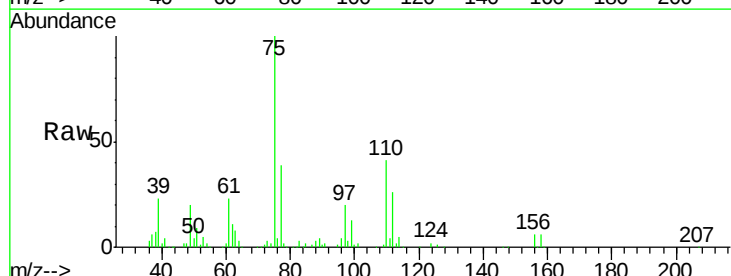
Manual Integrations
 APPROVED

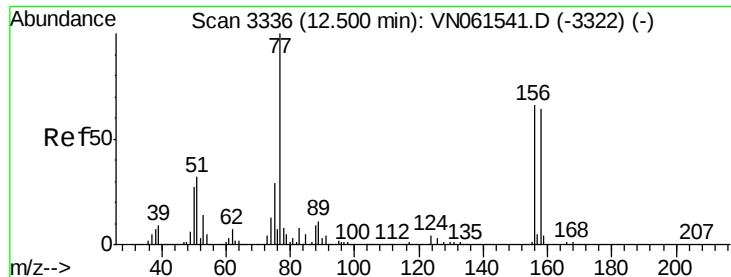
MMDadoda
 6/12/2020 5:46:26 PM



#76
 1,2,3-Trichloropropane
 Concen: 48.834 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	237593		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 51.809 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

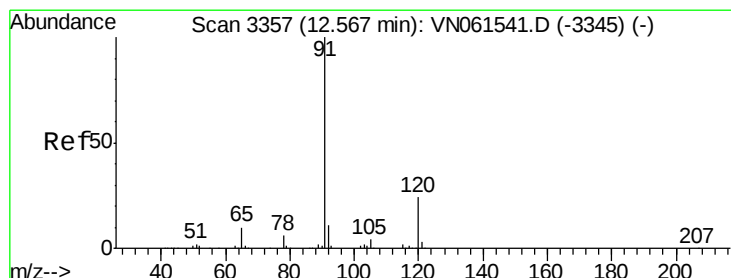
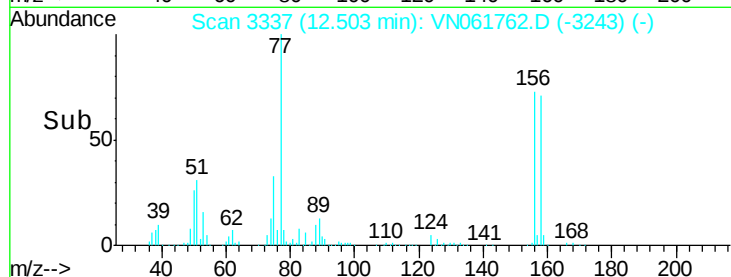
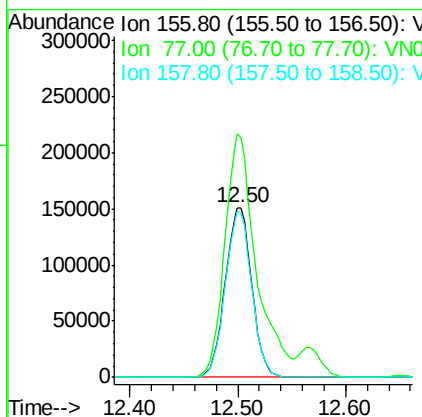
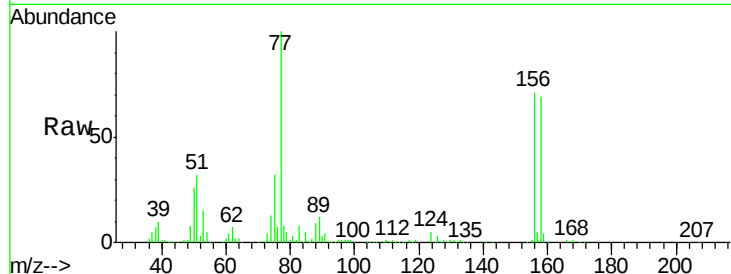
ClientSampleId :

RE108D2-20200608MSD

Tot Ion:	156	Resp:	258258
Ion Ratio	Lower	Upper	
156	100		
77	170.0	90.9	272.7
158	97.2	48.4	145.3

Manual Integrations
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6/12/2020 5:46:26 PM



#78

n-propylbenzene

Concen: 48.868 ug/l

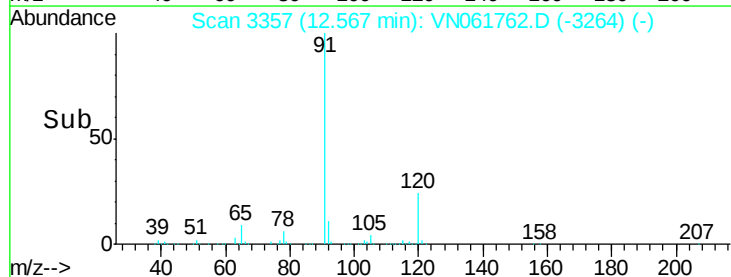
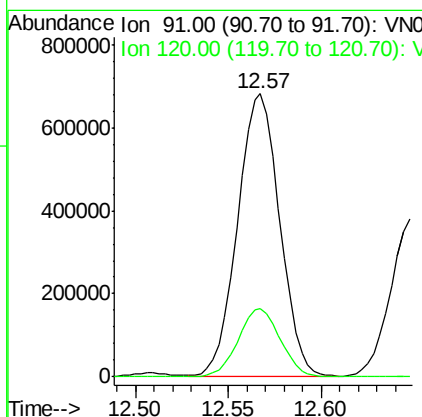
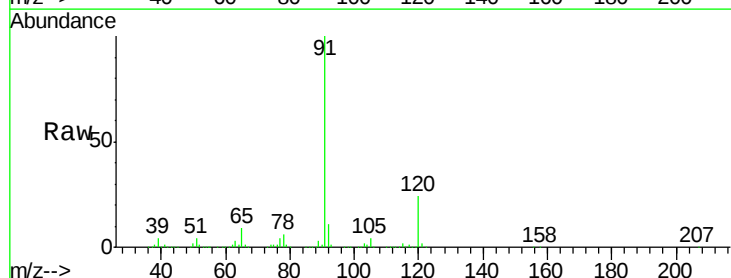
RT: 12.57 min Scan# 3357

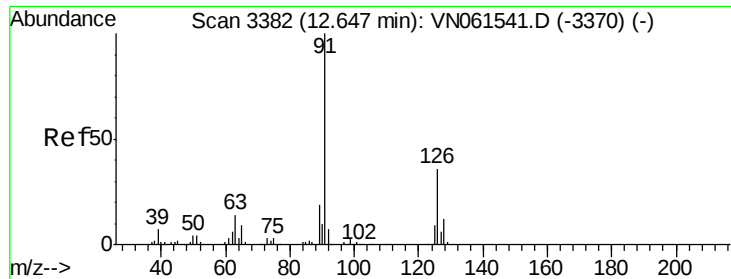
Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion:	91	Resp:	1065374
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.3	36.9





#79

2-Chlorotoluene

Concen: 48.023 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion: 91 Resp: 624282

Ion Ratio Lower Upper

91 100

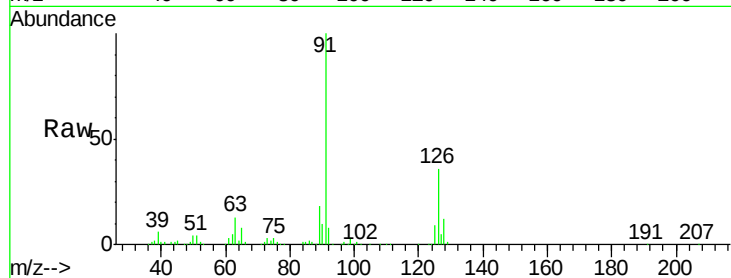
126 36.4 17.9 53.7

Manual Integrations

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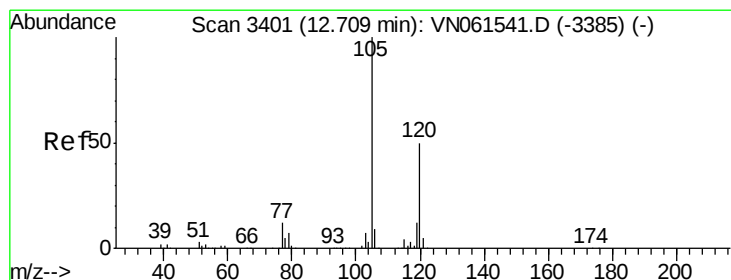
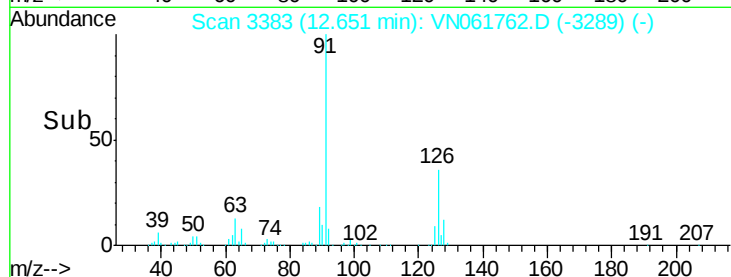
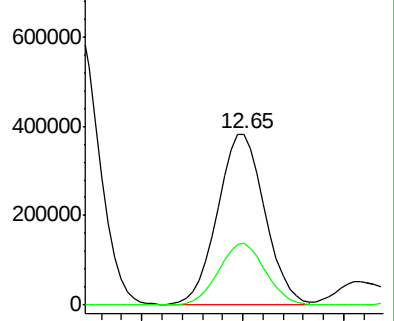
MMDadoda

6/12/2020 5:46:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061541.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.664 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061762.D

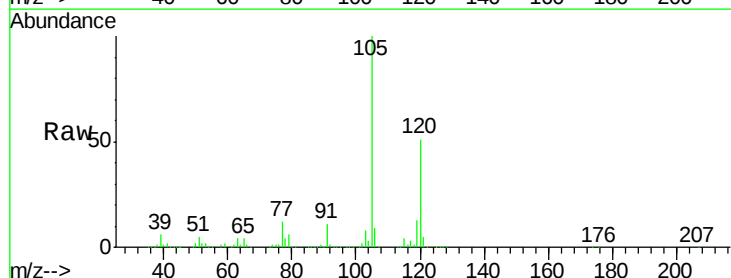
Acq: 11 Jun 2020 21:08

Tgt Ion: 105 Resp: 794301

Ion Ratio Lower Upper

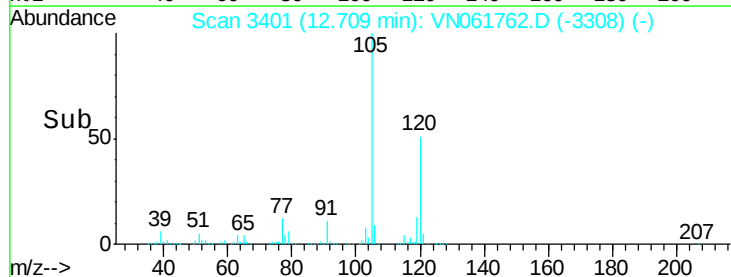
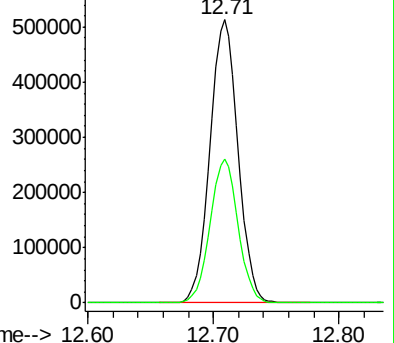
105 100

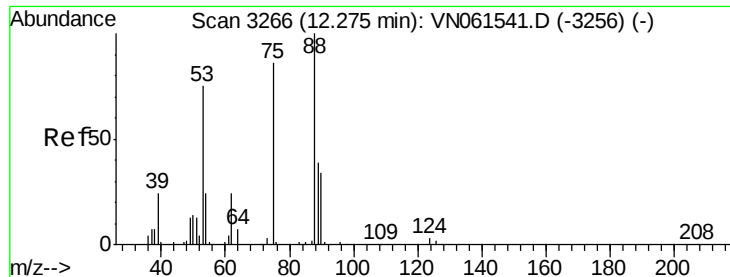
120 50.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061541.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061541.D (-3385) (-)





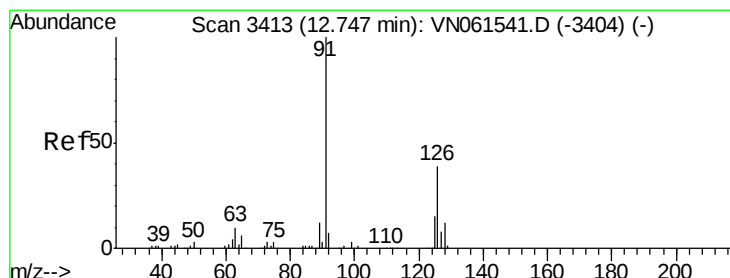
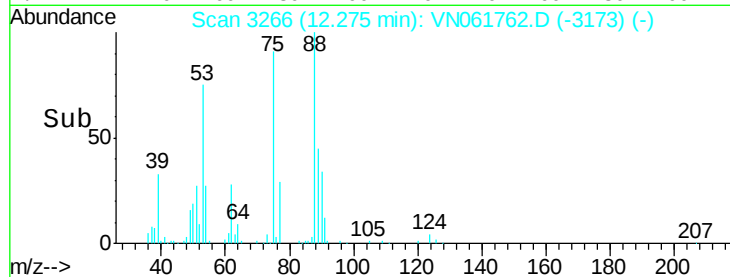
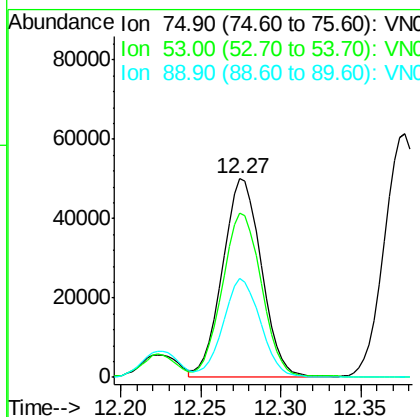
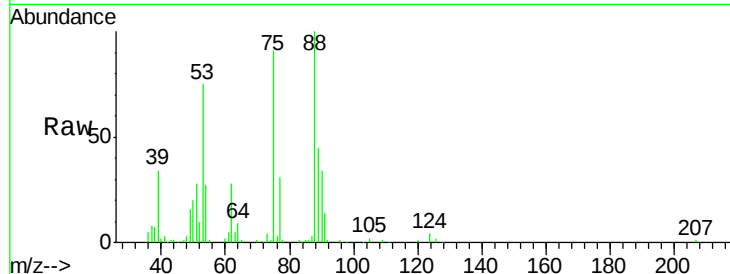
#81
trans-1,4-Dichloro-2-butene
Concen: 43.927 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.9	67.8	101.8
89	47.6	37.1	55.7

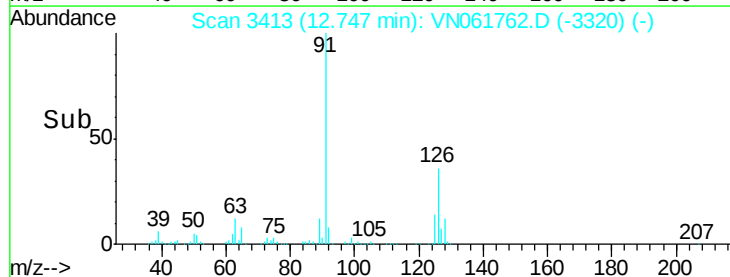
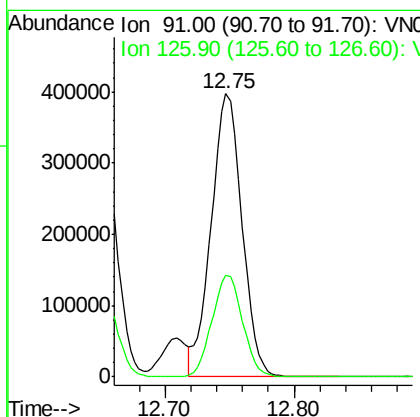
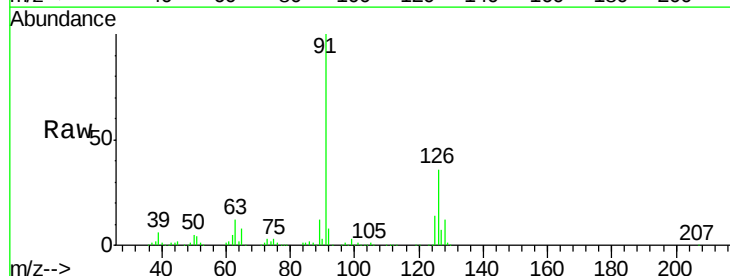
Manual Integrations
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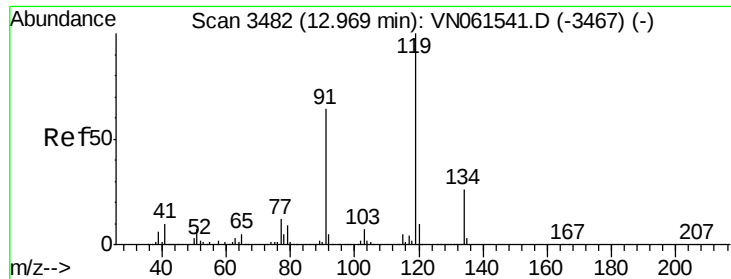
MMDadoda
6/12/2020 5:46:26 PM



#82
4-Chlorotoluene
Concen: 48.055 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.5	52.6





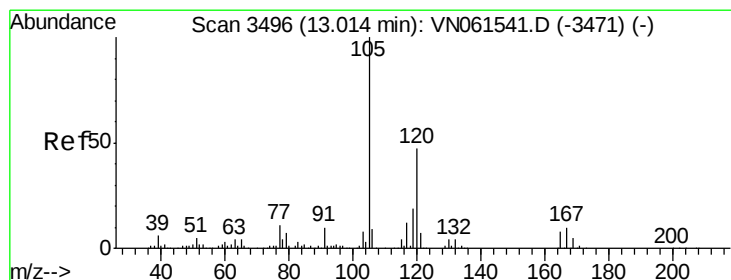
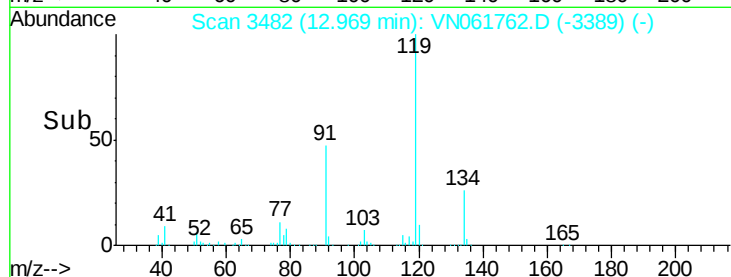
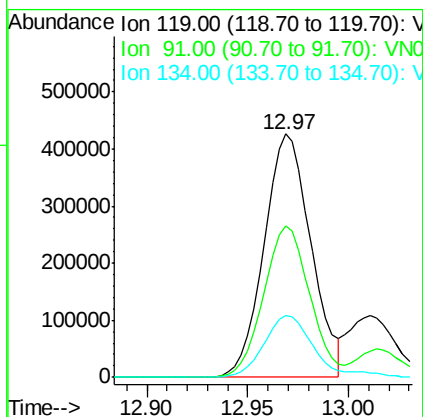
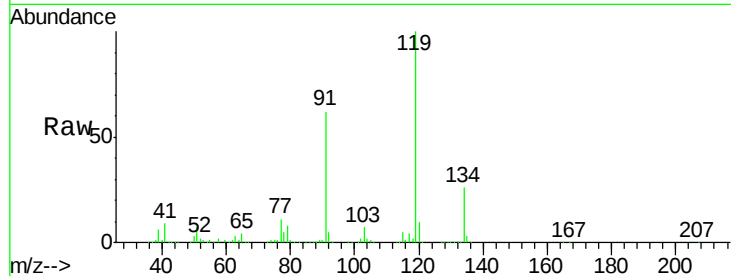
#83
tert-Butylbenzene
Concen: 47.719 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	688178		
91	61.3		31.3	93.8
134	27.2		13.5	40.4

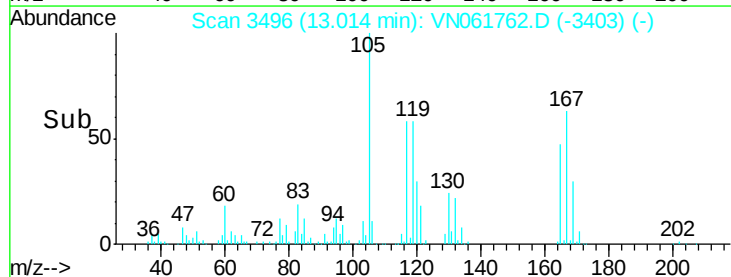
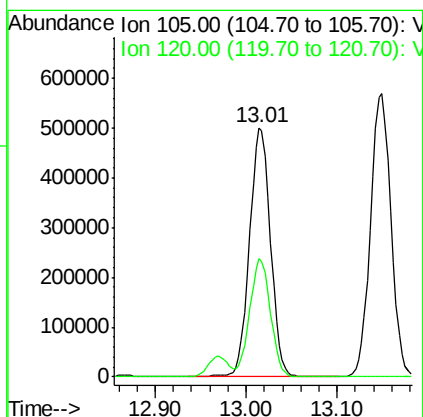
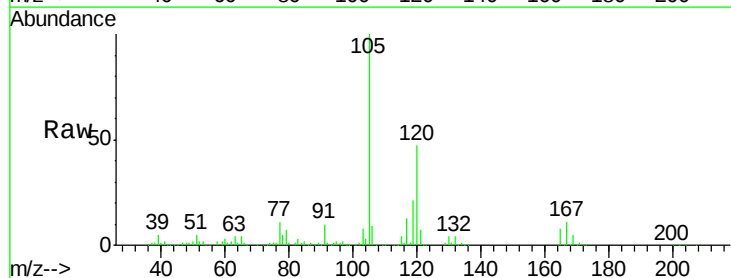
Manual Integrations
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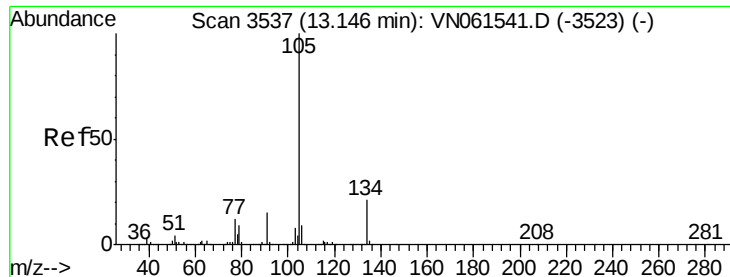
MMDadoda
6/12/2020 5:46:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.461 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	802018		
120	46.8		23.2	69.5





#85

sec-Butylbenzene

Concen: 47.764 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200608MSD

Tot Ion:105 Resp: 887608

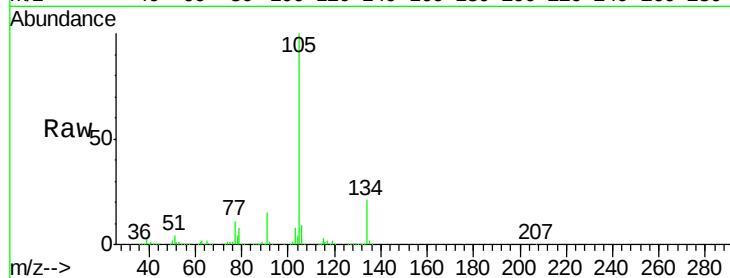
Ion Ratio Lower Upper

105 100

134 20.8 10.7 31.9

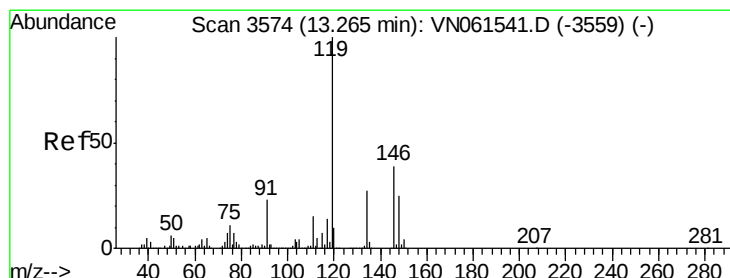
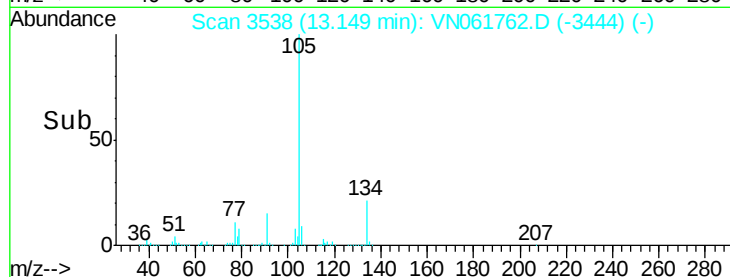
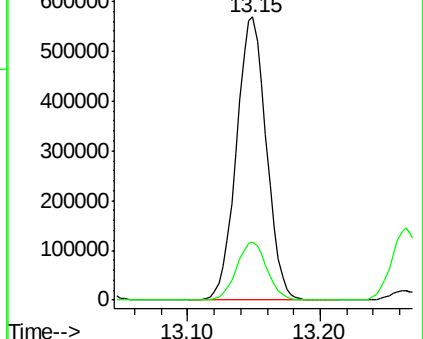
Manual Integrations
APPROVED

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6/12/2020 5:46:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.454 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

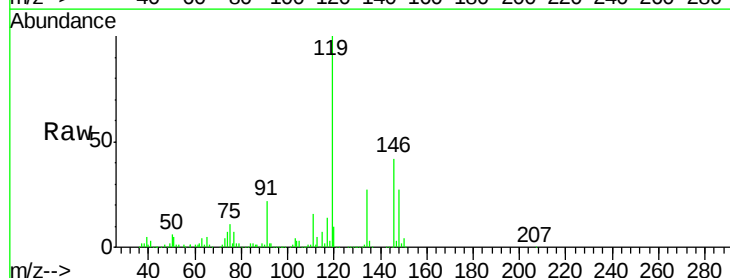
Tgt Ion:119 Resp: 829221

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

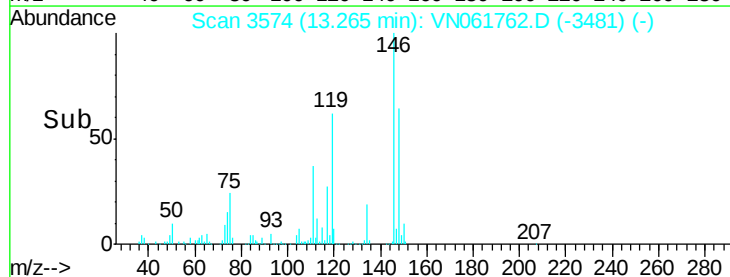
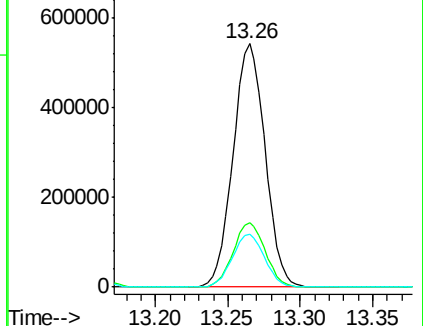
91 21.7 11.4 34.1

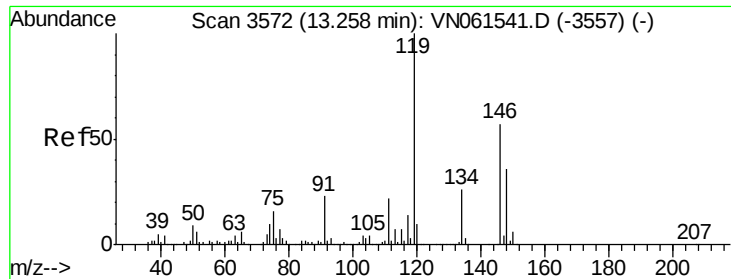


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





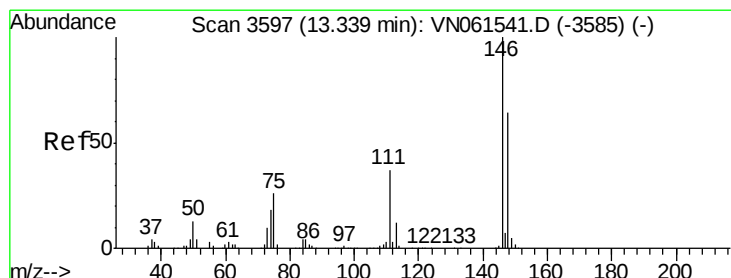
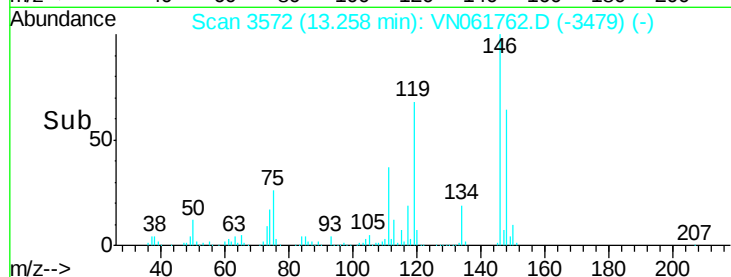
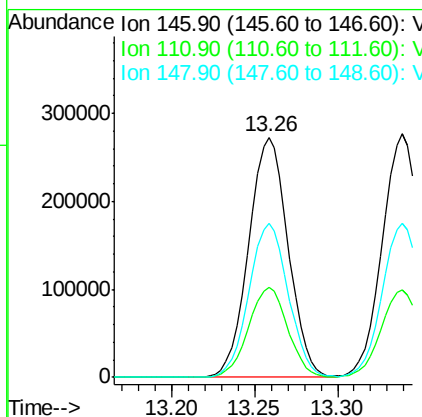
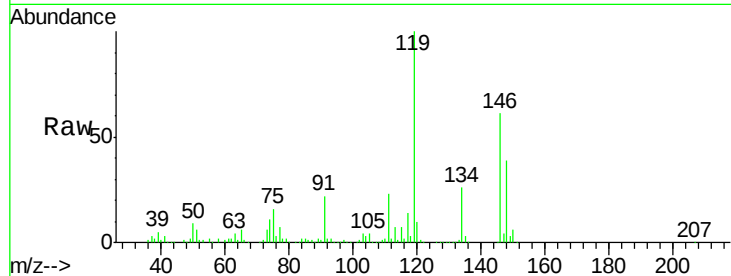
#87
 1,3-Dichlorobenzene
 Concen: 51.124 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.2	57.6
148	63.9	31.7	95.1

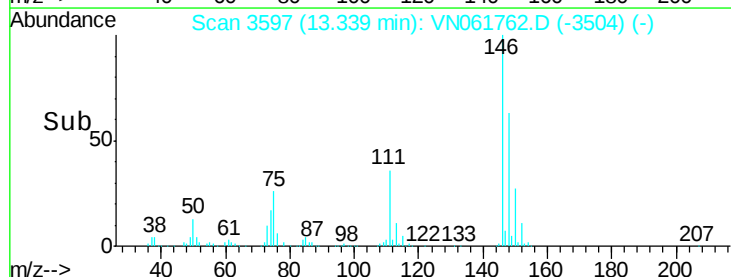
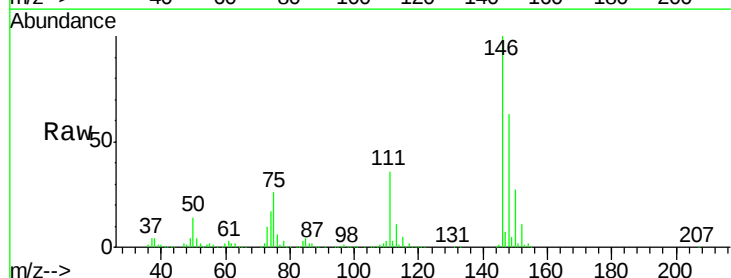
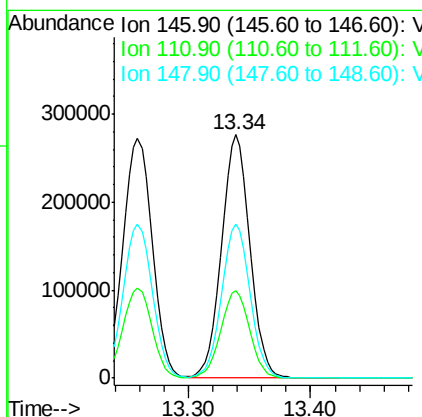
Manual Integrations
 APPROVED

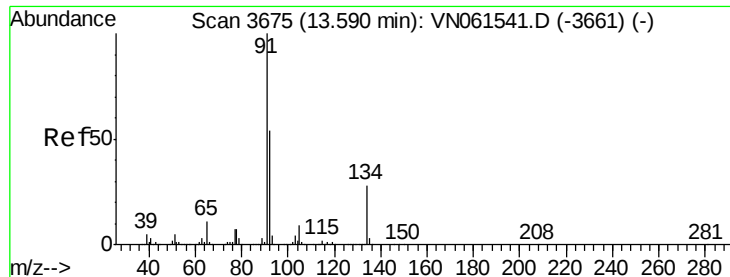
MMDadoda
 6/12/2020 5:46:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.295 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.9
148	63.5	31.8	95.3





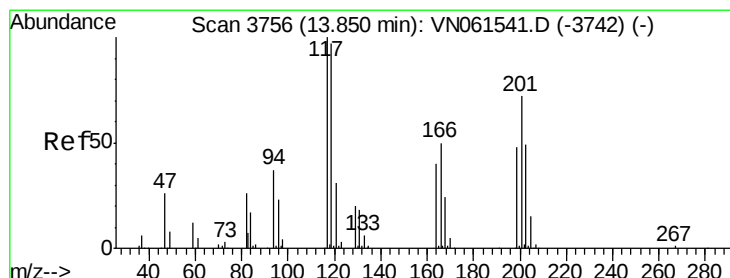
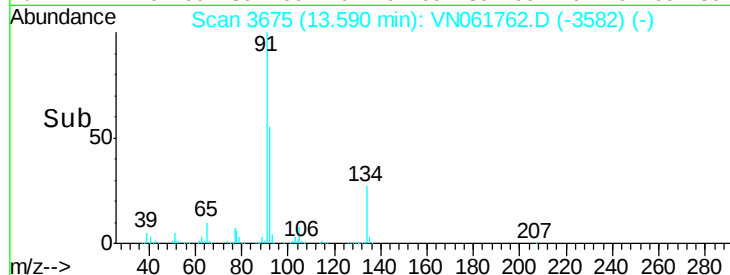
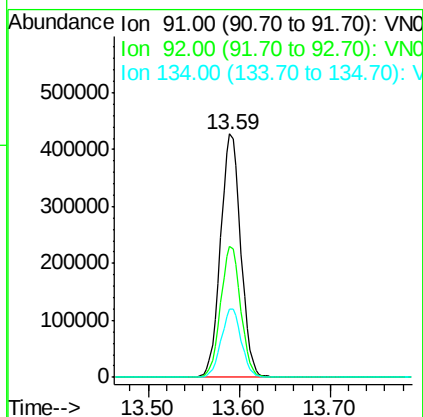
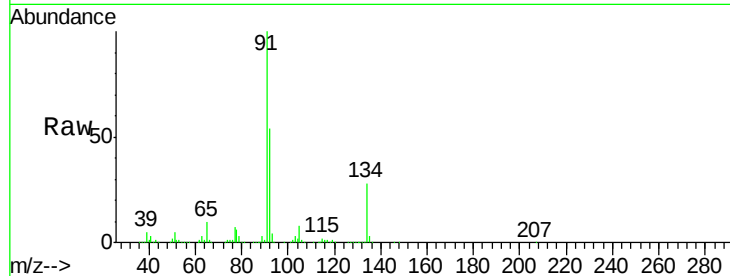
#89
n-Butylbenzene
Concen: 46.089 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.6
134	28.0	14.0	42.0

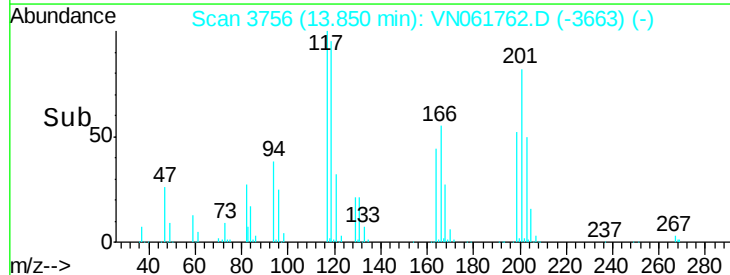
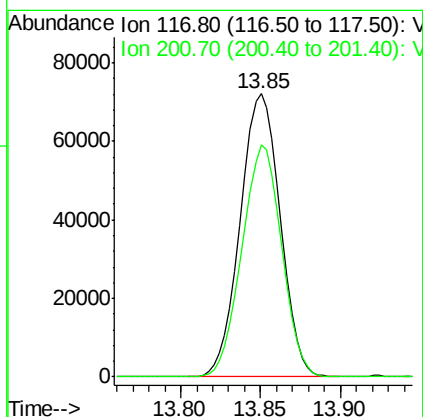
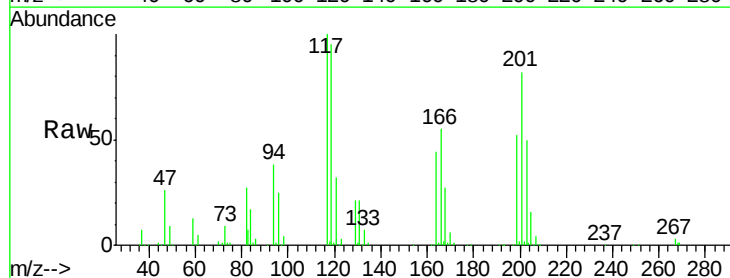
Manual Integrations
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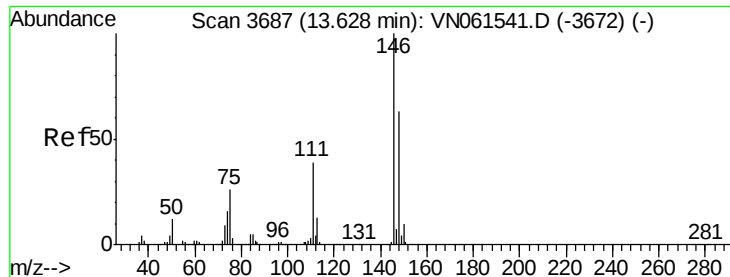
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#90
Hexachloroethane
Concen: 64.907 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061762.D
Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	36.7	110.1





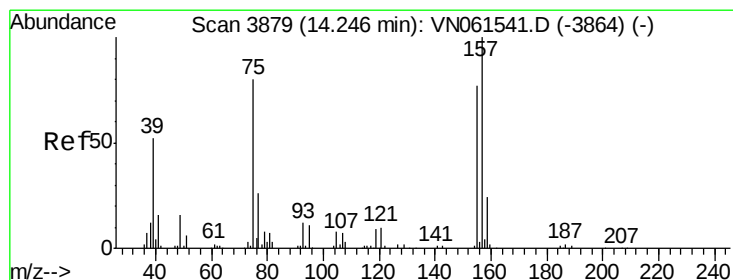
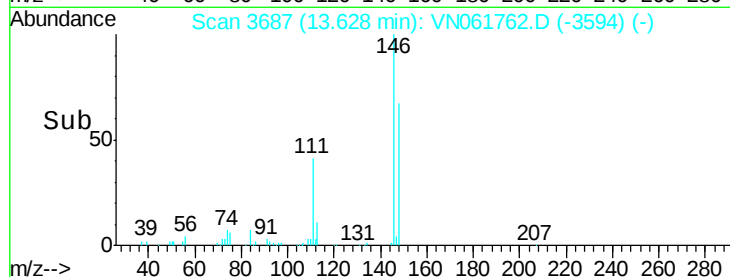
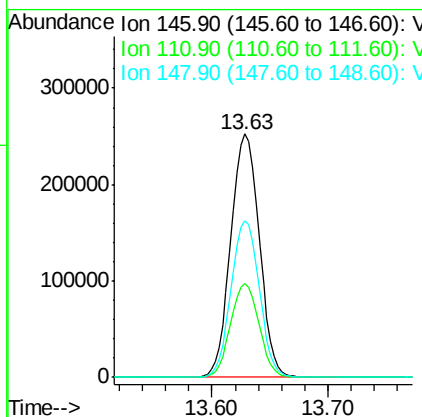
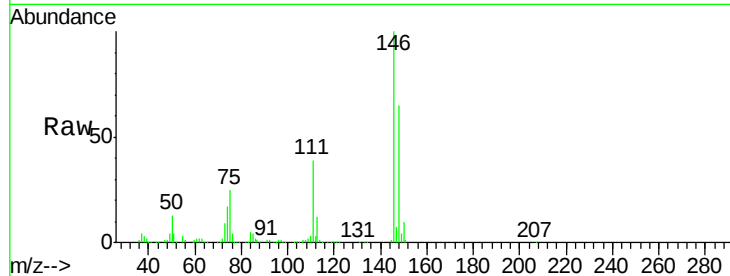
#91
 1,2-Dichlorobenzene
 Concen: 51.213 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.1	60.2
148	63.7	31.9	95.5

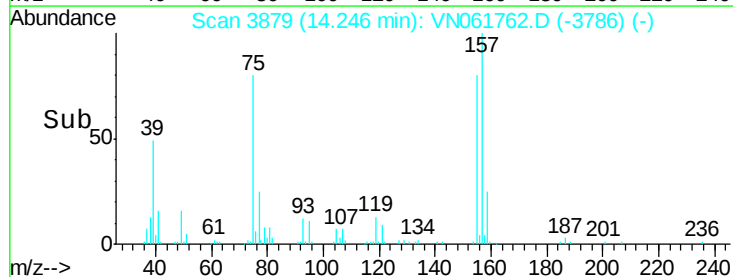
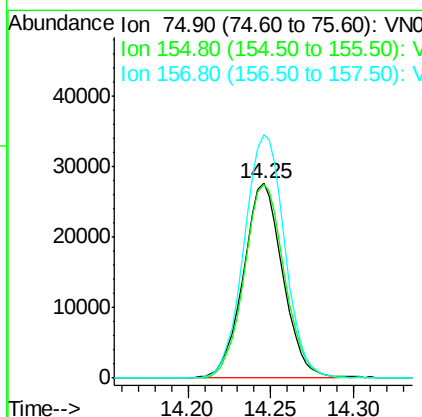
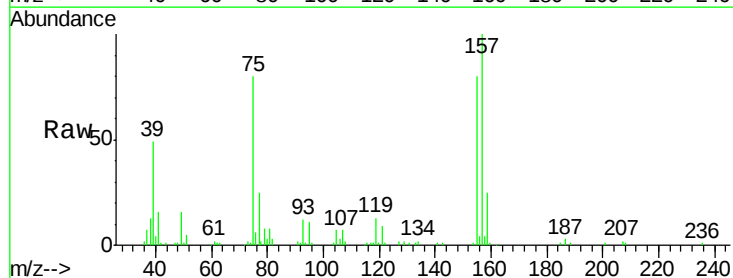
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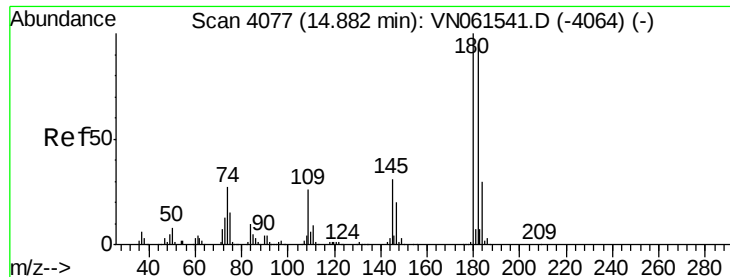
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.983 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	47.1	141.4
157	128.6	60.3	180.8





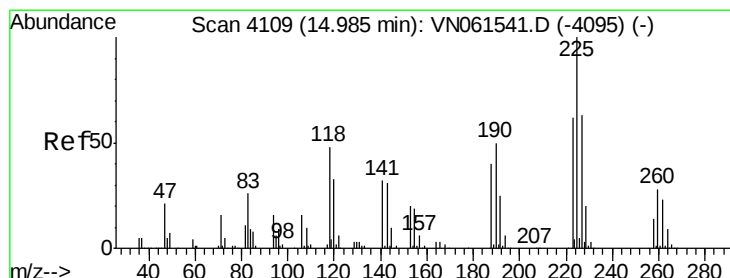
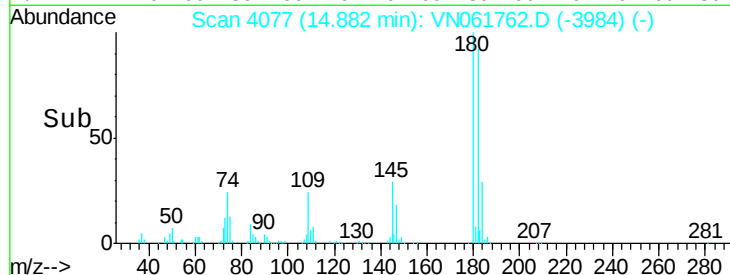
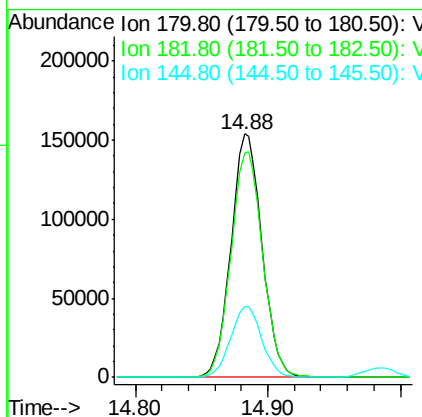
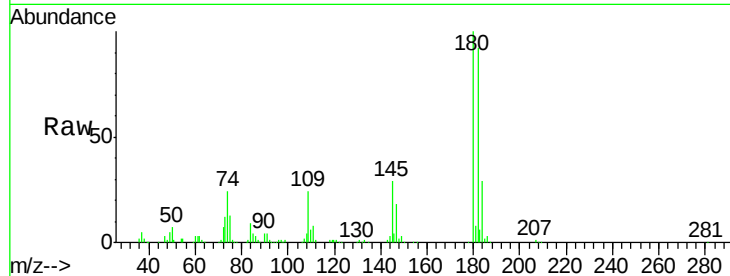
#93
 1,2,4-Trichlorobenzene
 Concen: 50.608 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200608MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249676		
182	94.7	47.8	143.3	
145	29.4	15.5	46.5	

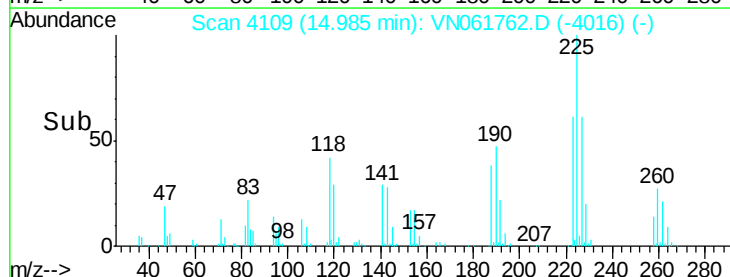
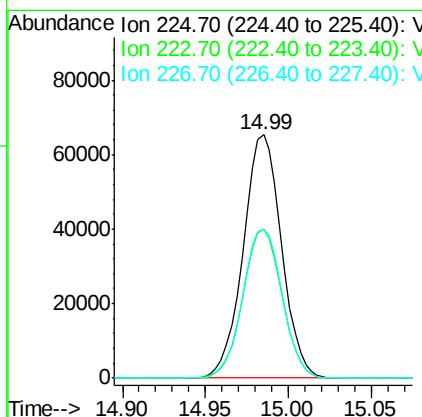
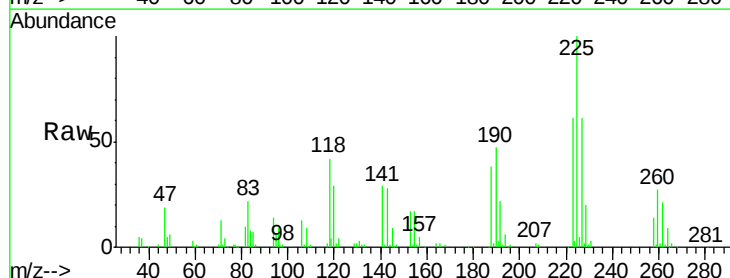
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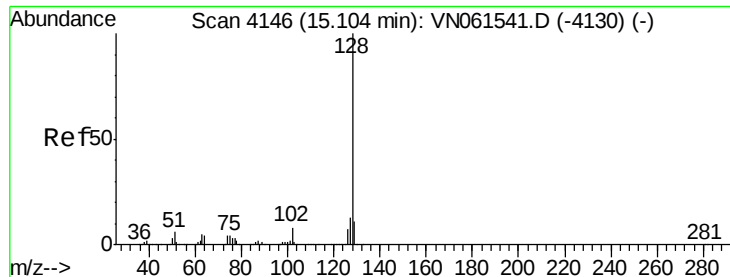
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#94
 Hexachlorobutadiene
 Concen: 49.816 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061762.D
 Acq: 11 Jun 2020 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104818		
223	62.4	31.9	95.5	
227	63.0	31.9	95.9	





#95

Naphthalene

Concen: 46.854 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Instrument :

MSVOA_N

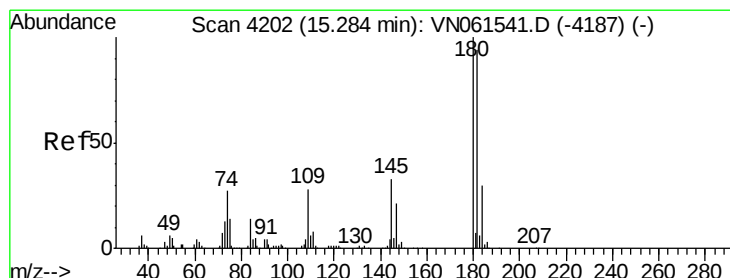
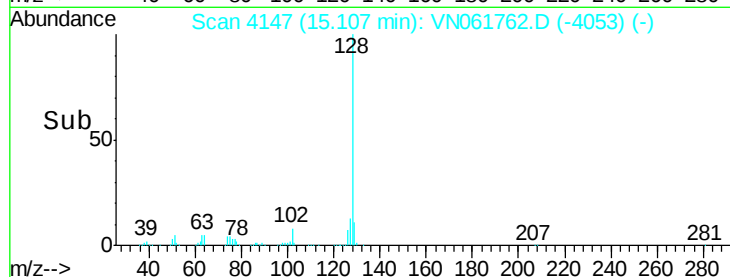
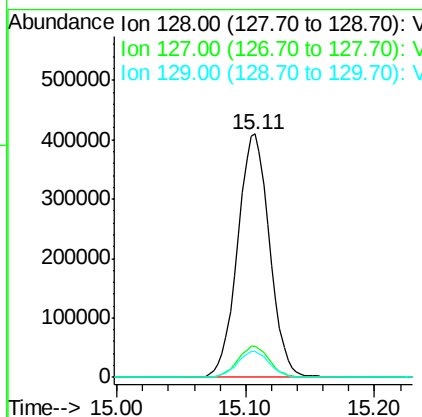
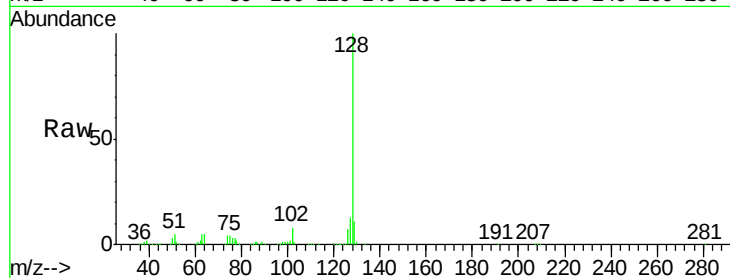
ClientSampleId :

RE108D2-20200608MSD

Tot Ion:	128	Resp:	703576
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	10.8	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.617 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061762.D

Acq: 11 Jun 2020 21:08

Tgt Ion:	180	Resp:	245527
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.1	141.3
145	31.4	16.3	48.9

