

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061518.D
 Acq On : 20 May 2020 22:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 5/21/2020 1:16:19 PM

Quant Time: May 21 03:07:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	308146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	563749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	541645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	272560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	201663	43.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.70%	
35) Dibromofluoromethane	7.55	113	144291	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.06	98	653227	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	12.37	95	253389	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	117742	45.953	ug/l	99
3) Chloromethane	2.03	50	160903	38.502	ug/l	98
4) Vinyl Chloride	2.16	62	242407	40.530	ug/l	99
5) Bromomethane	2.53	94	139359	45.736	ug/l	99
6) Chloroethane	2.67	64	159346	39.583	ug/l	97
7) Trichlorofluoromethane	2.98	101	324138	44.639	ug/l	99
8) Diethyl Ether	3.37	74	94014	44.450	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.72	101	139408	46.168	ug/l	98
10) Methyl Iodide	3.91	142	167426	45.650	ug/l	100
11) Tert butyl alcohol	4.73	59	134051	252.973	ug/l	100
12) 1,1-Dichloroethene	3.69	96	141423	44.774	ug/l	89
13) Acrolein	3.56	56	95808	253.695	ug/l	96
14) Allyl chloride	4.27	41	205268	39.933	ug/l	97
15) Acrylonitrile	4.93	53	348871	222.221	ug/l	99
16) Acetone	3.77	43	261086	220.562	ug/l	99
17) Carbon Disulfide	4.01	76	288998	42.139	ug/l	99
18) Methyl Acetate	4.27	43	143491	45.398	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	526836	43.953	ug/l	97
20) Methylene Chloride	4.50	84	166384	44.021	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	163136	44.791	ug/l	94
22) Diisopropyl ether	5.90	45	467488	40.471	ug/l	96
23) Vinyl Acetate	5.84	43	1912669	208.226	ug/l	96
24) 1,1-Dichloroethane	5.80	63	287446	42.664	ug/l	98
25) 2-Butanone	6.78	43	441447	210.822	ug/l	94
26) 2,2-Dichloropropane	6.77	77	253685	39.498	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	201424	46.818	ug/l	91
28) Bromochloromethane	7.15	49	126268	44.153	ug/l	85
29) Tetrahydrofuran	7.17	42	289741	208.934	ug/l	93
30) Chloroform	7.33	83	322941	45.892	ug/l	97
31) Cyclohexane	7.61	56	242697	40.353	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	299263	46.539	ug/l	96
36) 1,1-Dichloropropene	7.75	75	231537	43.924	ug/l	96
37) Ethyl Acetate	6.88	43	194922	40.774	ug/l	99
38) Carbon Tetrachloride	7.73	117	236355	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	263227	40.884	ug/l	95
40) Benzene	8.00	78	720813	45.375	ug/l	98
41) Methacrylonitrile	7.12	41	82356	40.788	ug/l	91
42) 1,2-Dichloroethane	8.08	62	245237	42.849	ug/l	98
43) Isopropyl Acetate	8.12	43	345459	41.433	ug/l	98
44) Trichloroethene	8.80	130	204803	49.203	ug/l	94
45) 1,2-Dichloropropane	9.08	63	172768	43.451	ug/l	99
46) Dibromomethane	9.17	93	129627	46.504	ug/l	95
47) Bromodichloromethane	9.37	83	266021	45.296	ug/l	100
48) Methyl methacrylate	9.17	41	154939	40.226	ug/l	95
49) 1,4-Dioxane	9.16	88	59718	1492.652	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	994390	218.930	ug/l	97
52) Toluene	10.13	92	480905	47.154	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	289245	44.935	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	300495	43.915	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	188162	48.800	ug/l	99
56) Ethyl methacrylate	10.40	69	279663	46.393	ug/l	94
57) 1,3-Dichloropropane	10.68	76	306493	45.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	605382	228.794	ug/l	94
59) 2-Hexanone	10.72	43	716084	217.912	ug/l	96
60) Dibromochloromethane	10.87	129	213813	50.131	ug/l	100
61) 1,2-Dibromoethane	10.98	107	200873	49.548	ug/l	100
64) Tetrachloroethene	10.60	164	197437	47.116	ug/l	97
65) Chlorobenzene	11.41	112	523662	47.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	193744	48.928	ug/l	98
67) Ethyl Benzene	11.48	91	934570	46.353	ug/l	99
68) m/p-Xylenes	11.60	106	729474	95.319	ug/l	96
69) o-Xylene	11.92	106	351859	47.510	ug/l	95
70) Styrene	11.94	104	598504	48.802	ug/l	98
71) Bromoform	12.10	173	144454	47.037	ug/l #	99
73) Isopropylbenzene	12.22	105	925186	42.283	ug/l	98
74) N-amyl acetate	12.04	43	313902	39.193	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	255906	42.509	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	260531m	44.547	ug/l	
77) Bromobenzene	12.50	156	223820	47.133	ug/l	88
78) n-propylbenzene	12.57	91	1037802	41.627	ug/l	97
79) 2-Chlorotoluene	12.65	91	616088	41.807	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	772357	43.110	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	88501	40.143	ug/l	96
82) 4-Chlorotoluene	12.75	91	652014	42.731	ug/l	97
83) tert-Butylbenzene	12.97	119	655715	42.728	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	788605	43.982	ug/l	98
85) sec-Butylbenzene	13.15	105	851766	41.046	ug/l	98
86) p-Isopropyltoluene	13.26	119	783007	42.492	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	410345	47.217	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	411022	47.225	ug/l	98
89) n-Butylbenzene	13.59	91	662134	39.552	ug/l	99
90) Hexachloroethane	13.85	117	105855	42.387	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	392504	47.083	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	50892	41.850	ug/l	87

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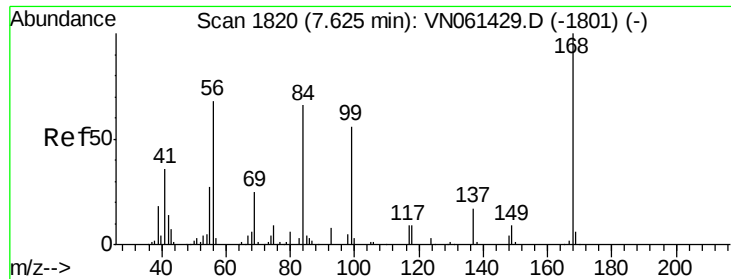
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216029	47.792	ug/l	99
94) Hexachlorobutadiene	14.98	225	78789	39.229	ug/l	99
95) Naphthalene	15.10	128	707488	49.233	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	209943	46.655	ug/l	99

(#) = 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: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

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VSTDCCC050EC

Tot Ion:168 Resp: 308146

Ion Ratio Lower Upper

168 100

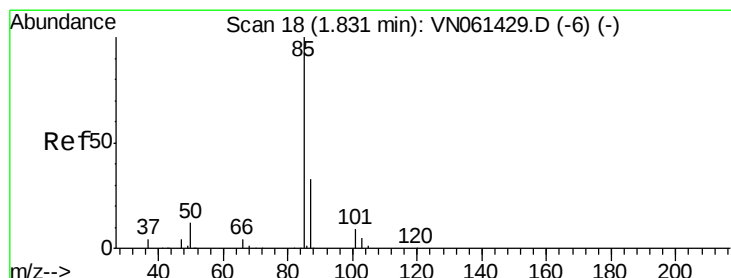
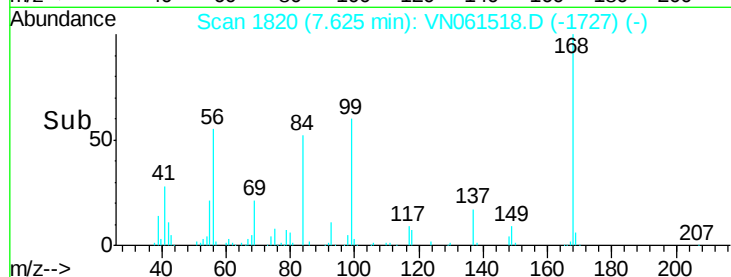
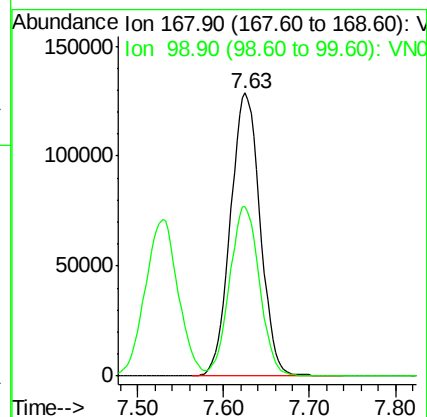
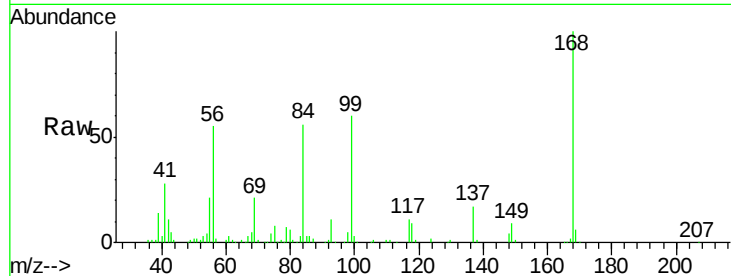
99 59.8 51.1 76.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.953 ug/l

RT: 1.83 min Scan# 17

Delta R.T. -0.00 min

Lab File: VN061518.D

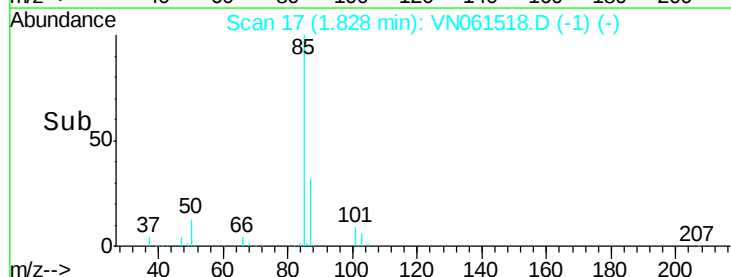
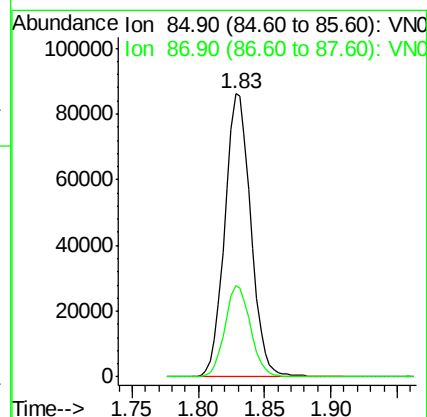
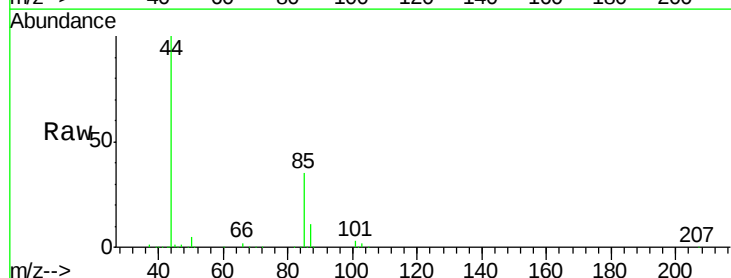
Acq: 20 May 2020 22:07

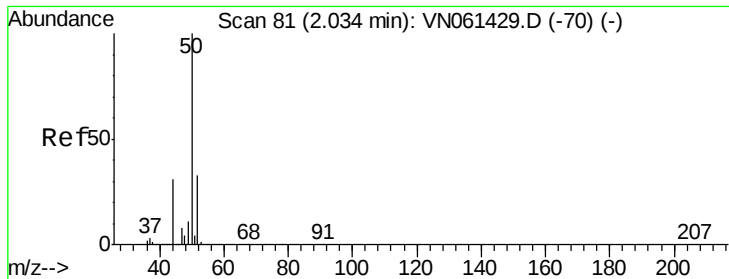
Tgt Ion: 85 Resp: 117742

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8





#3

Chloromethane

Concen: 38.502 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160903

Ion Ratio Lower Upper

50 100

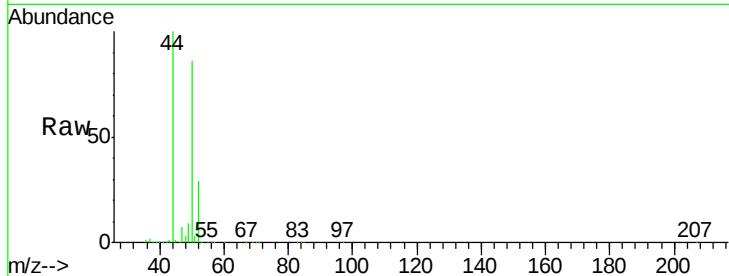
52 34.3 26.7 40.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

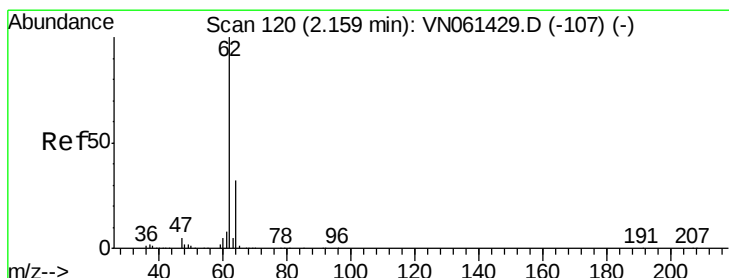
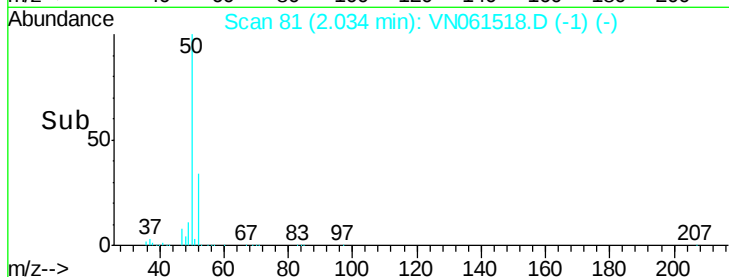
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50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 40.530 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061518.D

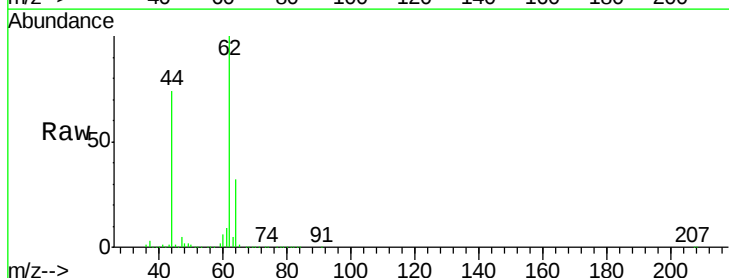
Acq: 20 May 2020 22:07

Tgt Ion: 62 Resp: 242407

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

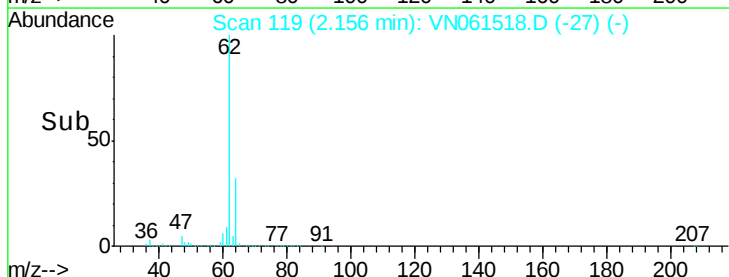
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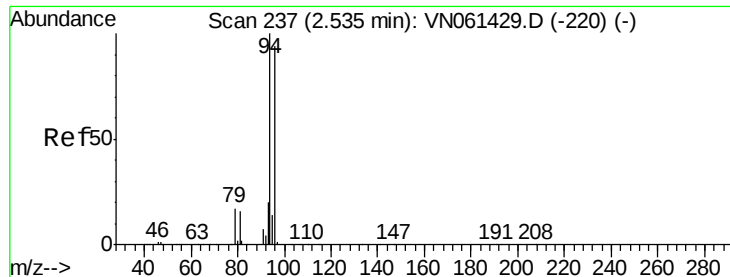
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 45.736 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

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Tot Ion: 94 Resp: 139359

Ion Ratio Lower Upper

94 100

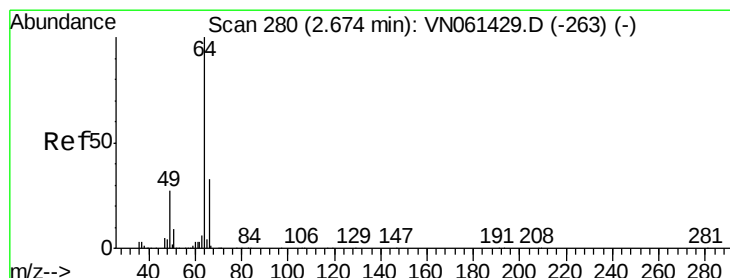
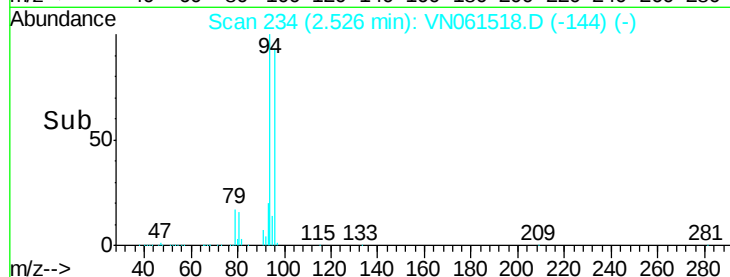
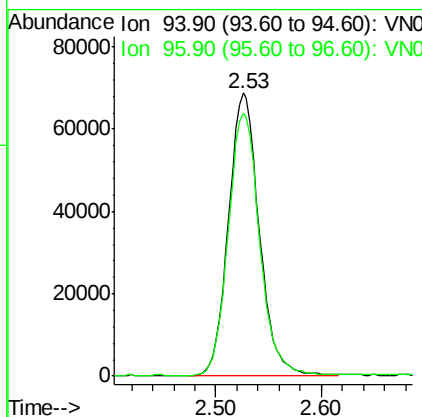
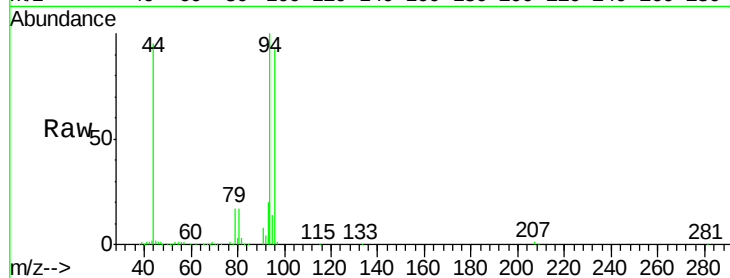
96 92.7 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 39.583 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.01 min

Lab File: VN061518.D

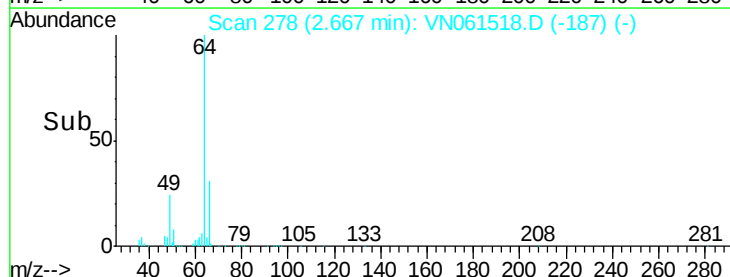
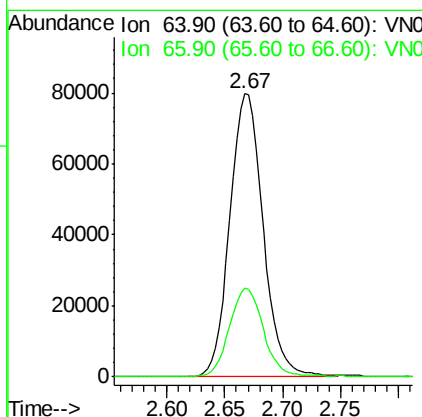
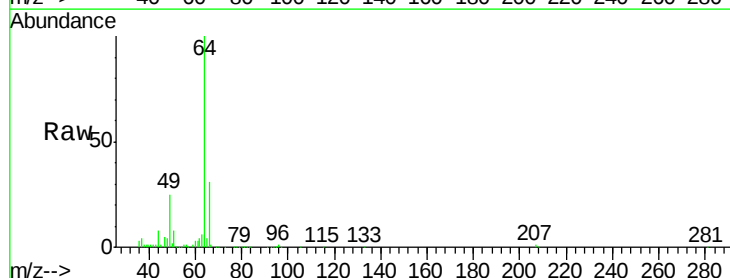
Acq: 20 May 2020 22:07

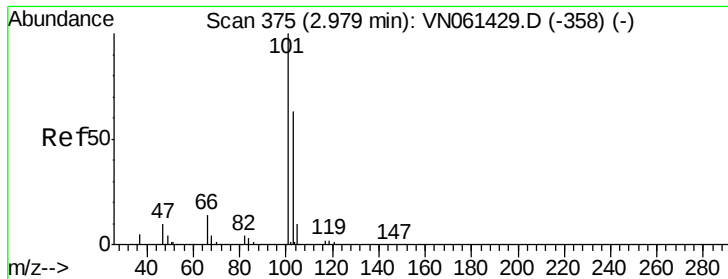
Tgt Ion: 64 Resp: 159346

Ion Ratio Lower Upper

64 100

66 31.3 26.3 39.5





#7

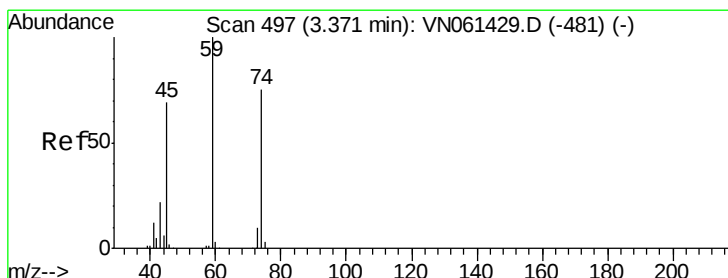
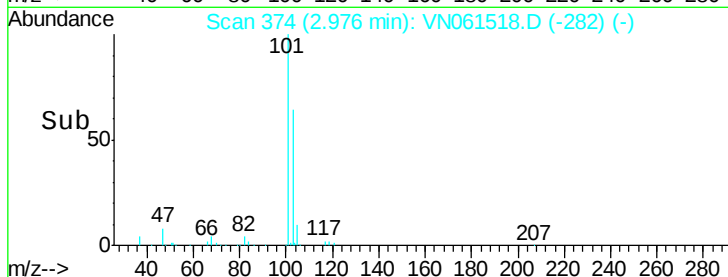
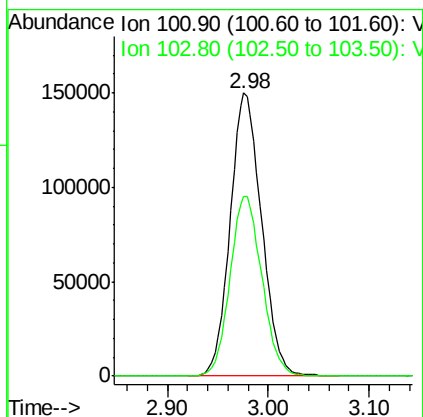
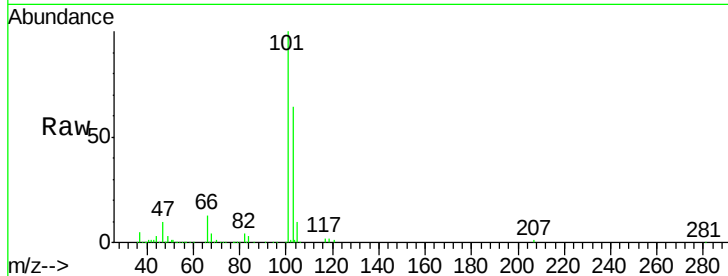
Trichlorofluoromethane
 Concen: 44.639 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.2	75.4

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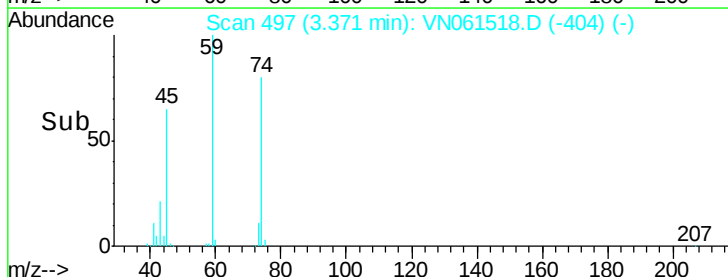
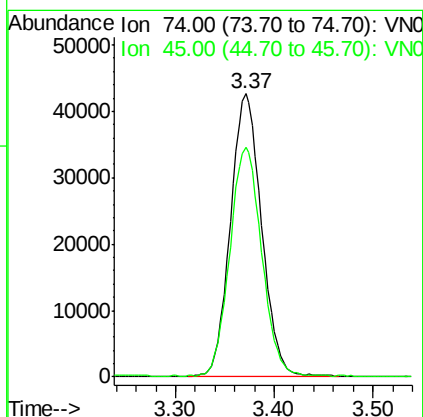
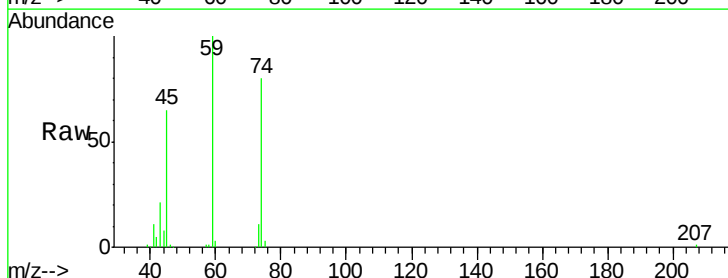
MMDadoda
 5/21/2020 1:16:19 PM

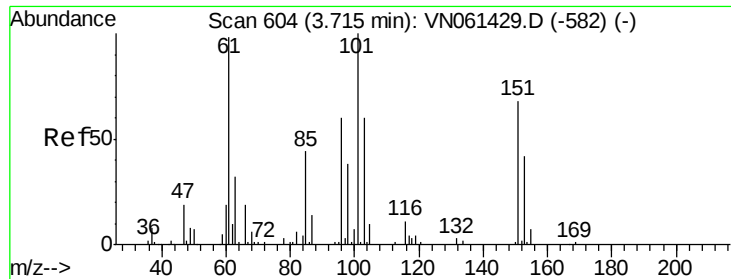


#8

Diethyl Ether
 Concen: 44.450 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.0	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.168 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

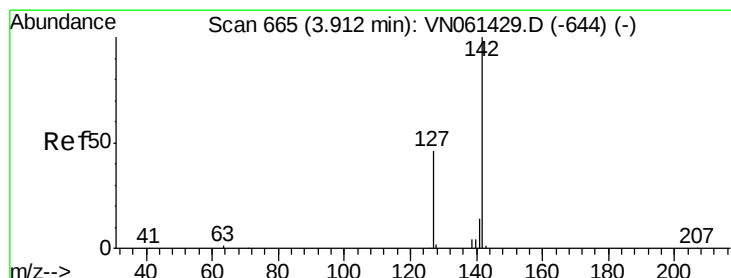
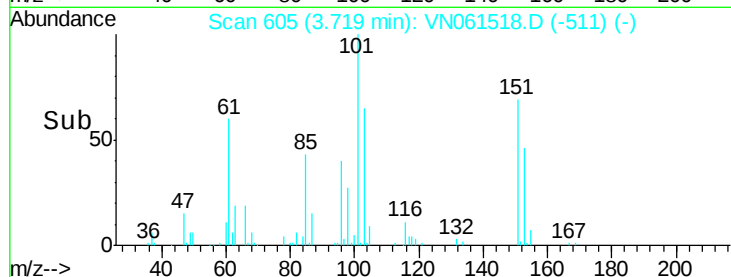
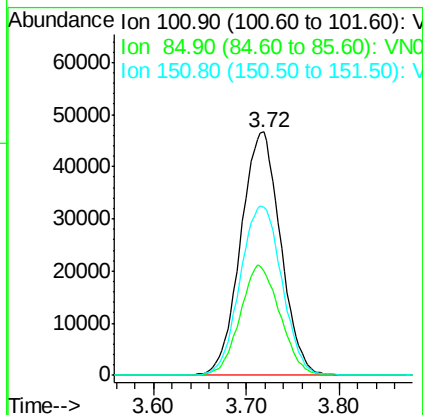
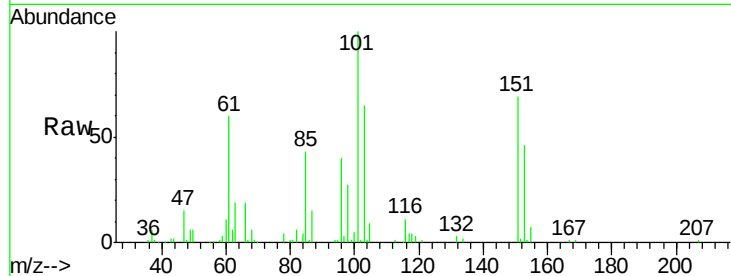
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139408
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	55.0
151	72.8	56.3	84.5

Manual Integrations
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5/21/2020 1:16:19 PM



#10

Methyl Iodide

Concen: 45.650 ug/l

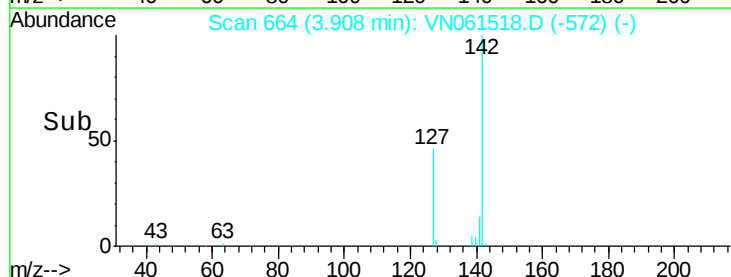
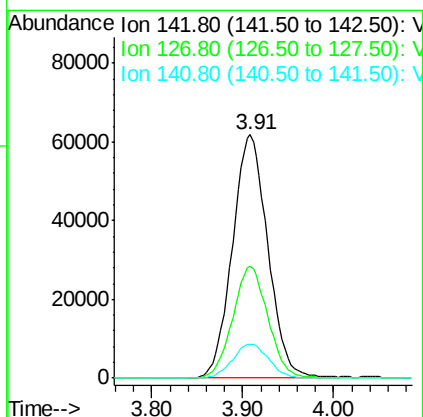
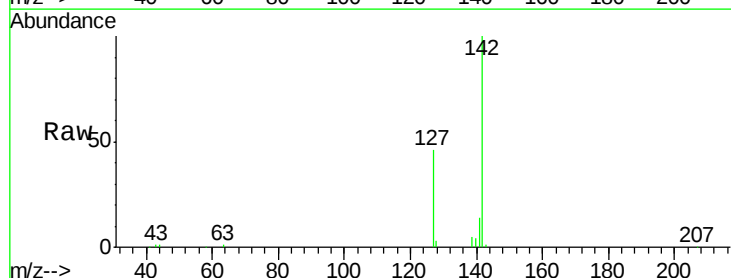
RT: 3.91 min Scan# 664

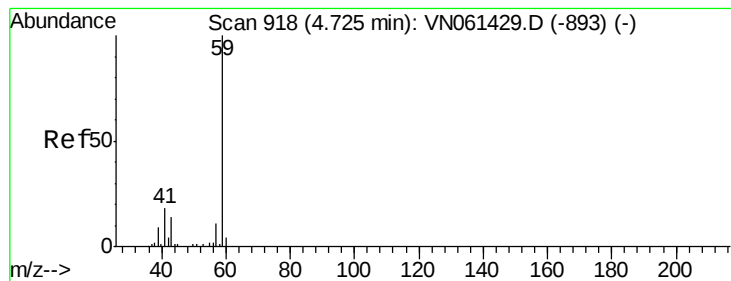
Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	142	Resp:	167426
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	14.3	11.5	17.3





#11

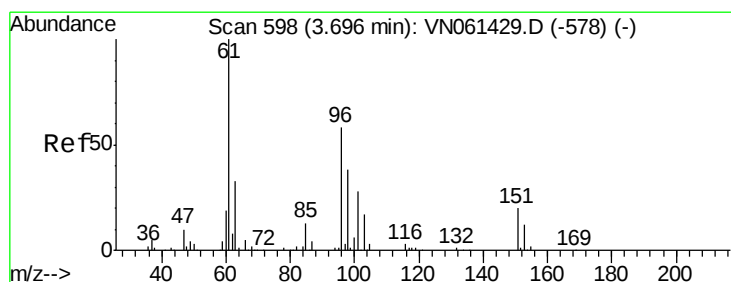
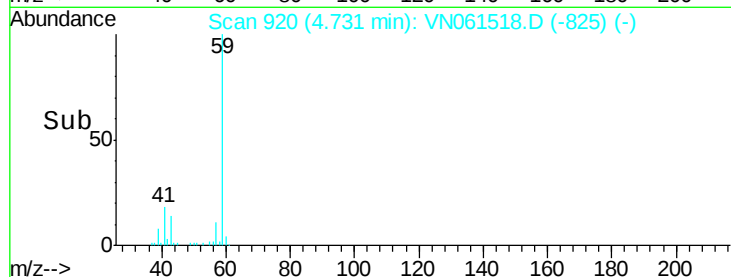
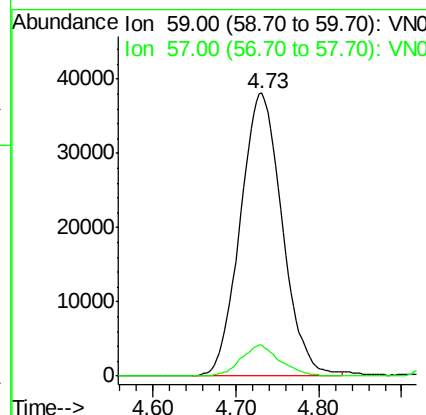
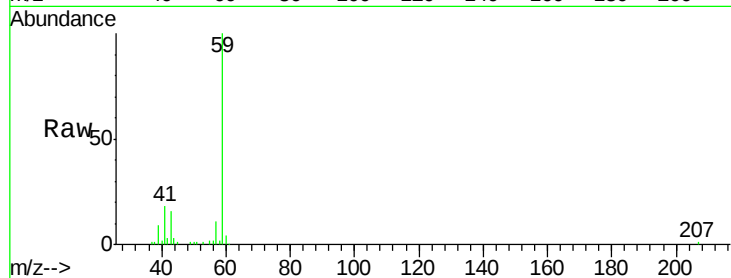
Tert butyl alcohol
 Concen: 252.973 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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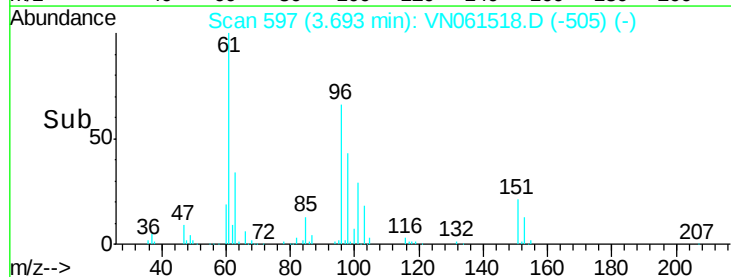
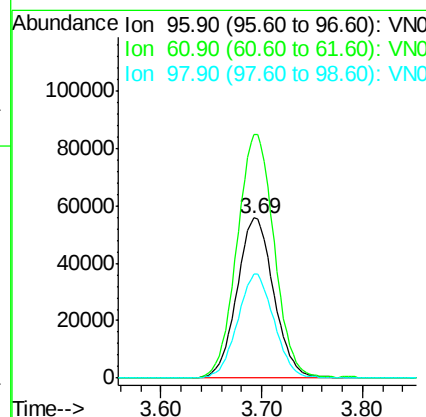
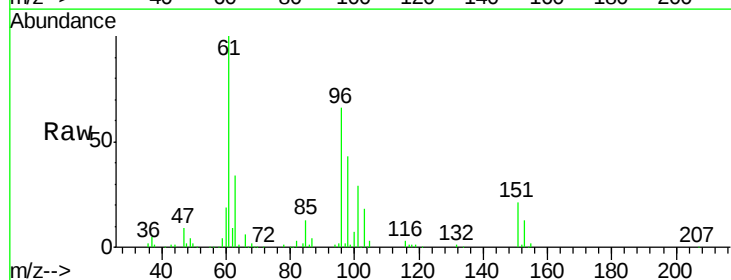
MMDadoda
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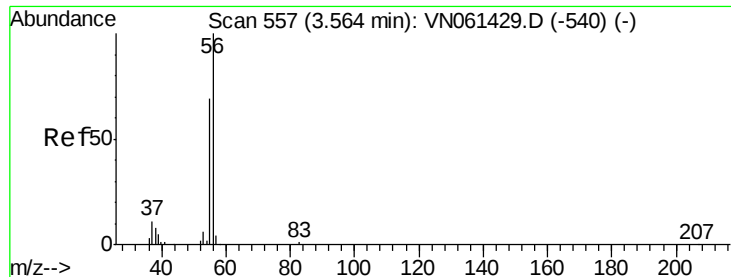


#12

1,1-Dichloroethene
 Concen: 44.774 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.4	138.7	208.1
98	65.0	53.0	79.6





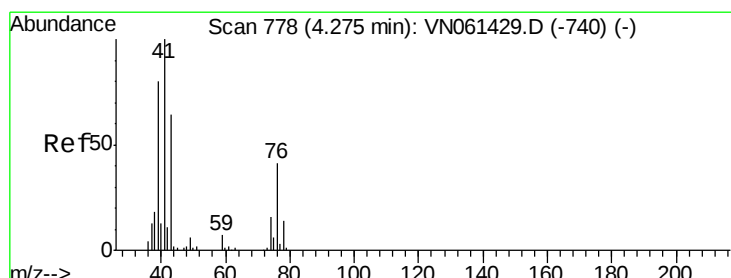
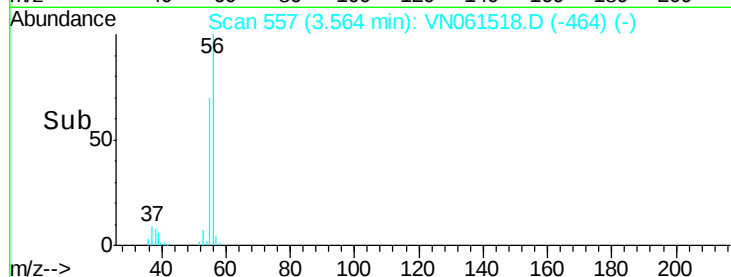
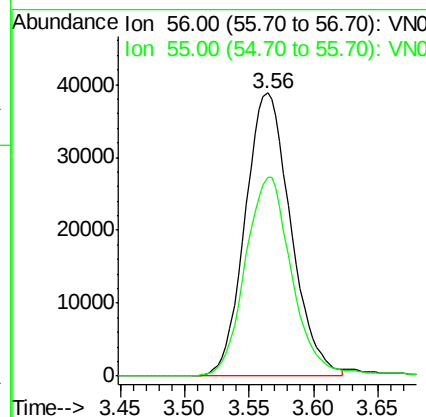
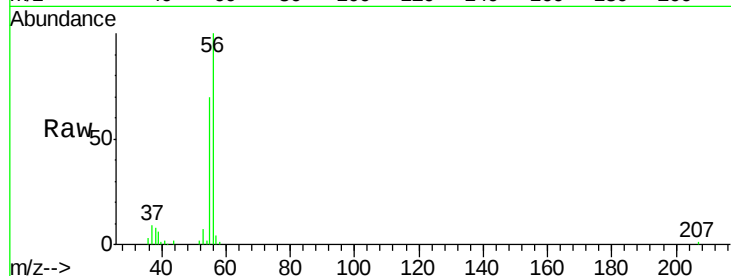
#13
Acrolein
Concen: 253.695 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	95808
Ion Ratio	Lower	Upper	
56	100		
55	72.1	54.8	82.2

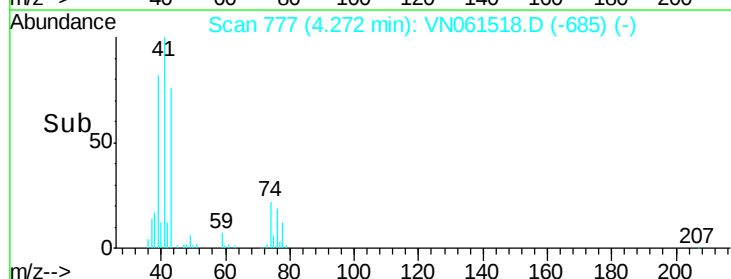
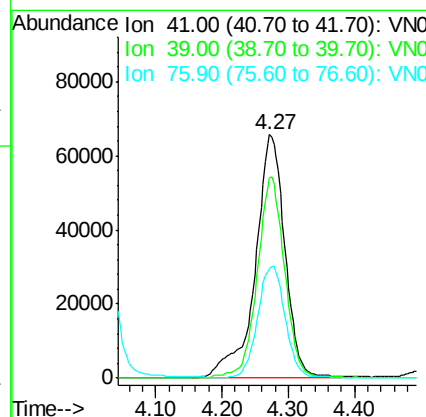
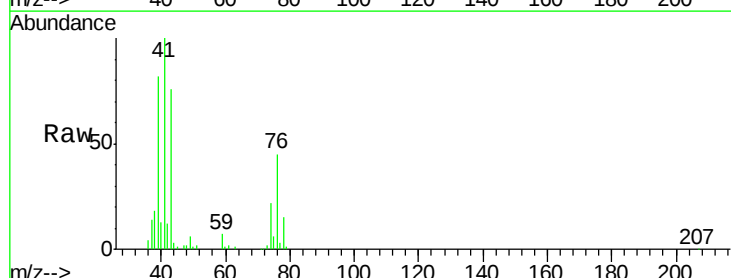
Manual Integrations
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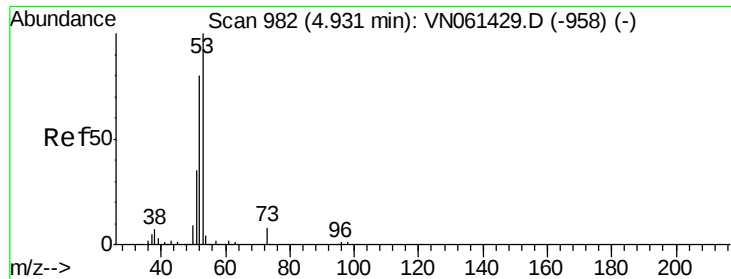
MMDadoda
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#14
Allyl chloride
Concen: 39.933 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	41	Resp	205268
Ion Ratio	Lower	Upper	
41	100		
39	76.0	61.2	91.8
76	41.6	29.9	44.9





#15

Acrylonitrile

Concen: 222.221 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

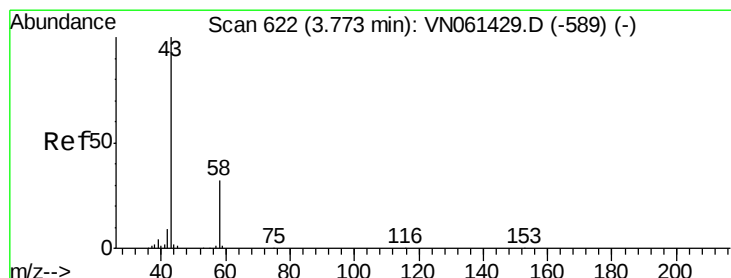
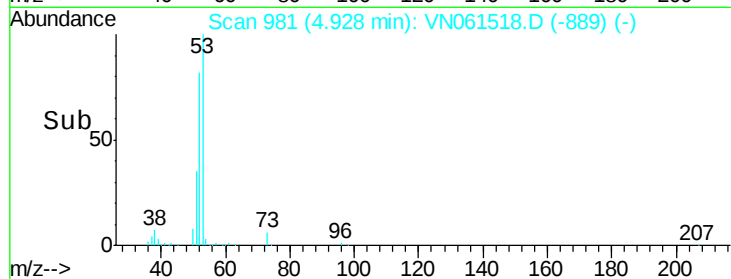
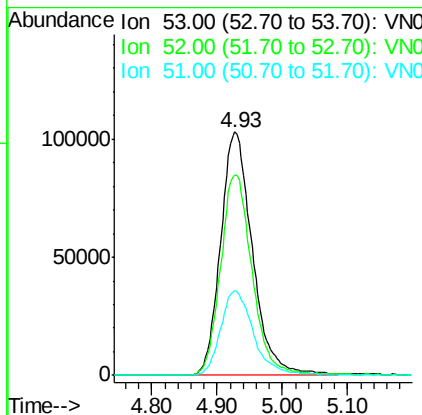
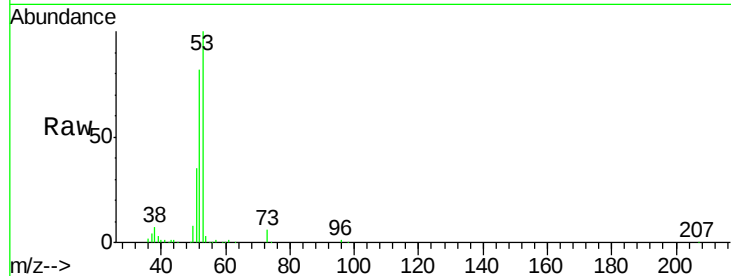
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	348871
Ion Ratio	Lower	Upper	
53	100		
52	81.2	64.7	97.1
51	35.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 220.562 ug/l

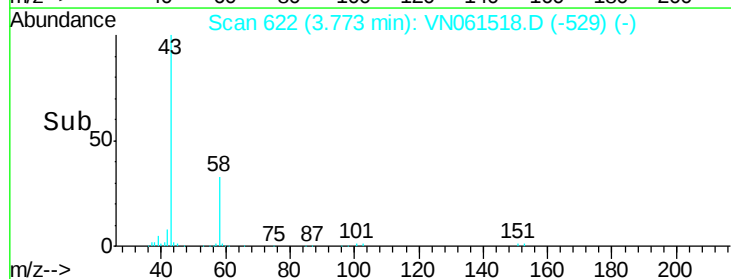
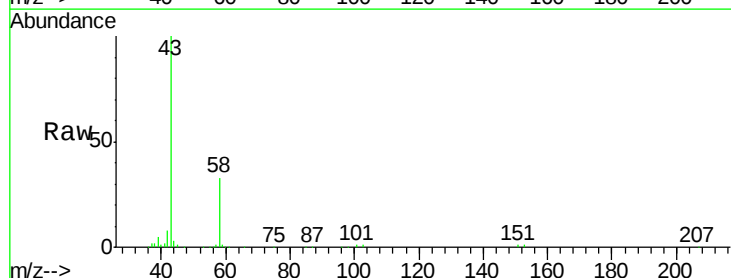
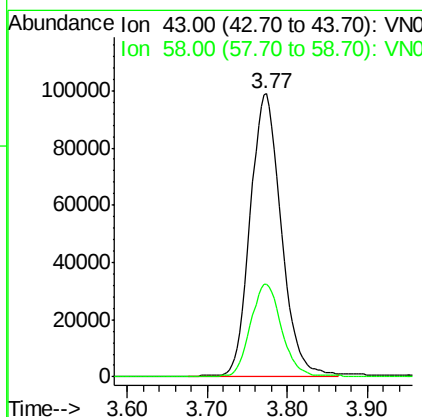
RT: 3.77 min Scan# 622

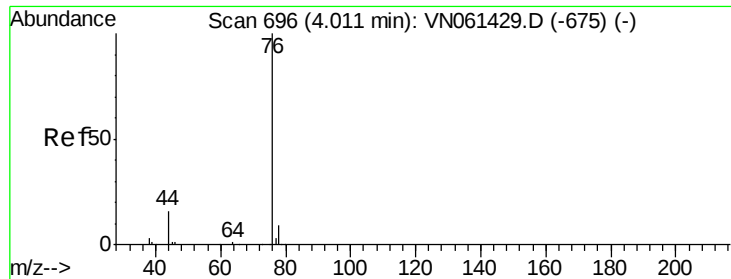
Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	43	Resp:	261086
Ion Ratio	Lower	Upper	
43	100		
58	32.7	25.6	38.4





#17

Carbon Disulfide

Concen: 42.139 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 288998

Ion Ratio Lower Upper

76 100

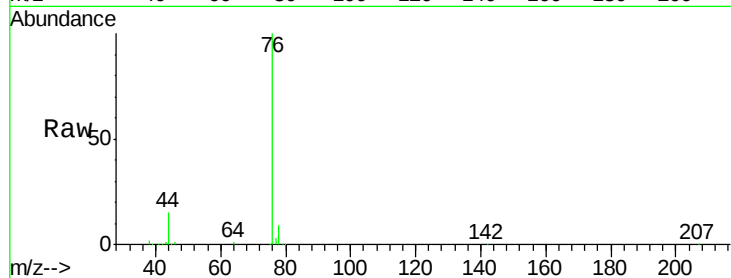
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-675) (-)

4.01

120000

100000

80000

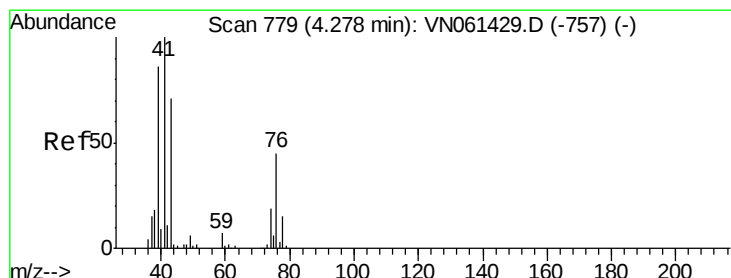
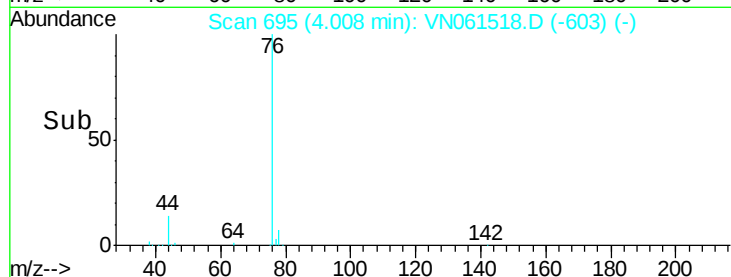
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.398 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061518.D

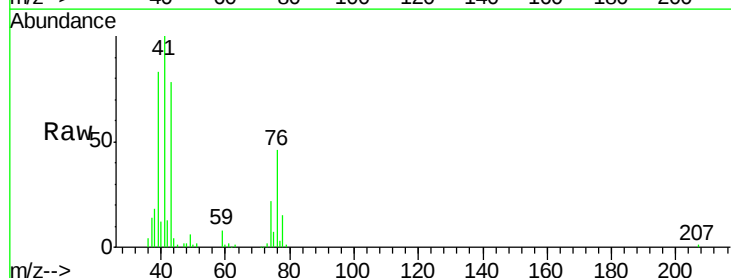
Acq: 20 May 2020 22:07

Tgt Ion: 43 Resp: 143491

Ion Ratio Lower Upper

43 100

74 28.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-757) (-)

Ion 74.00 (73.70 to 74.70): VN061429.D (-757) (-)

4.27

60000

50000

40000

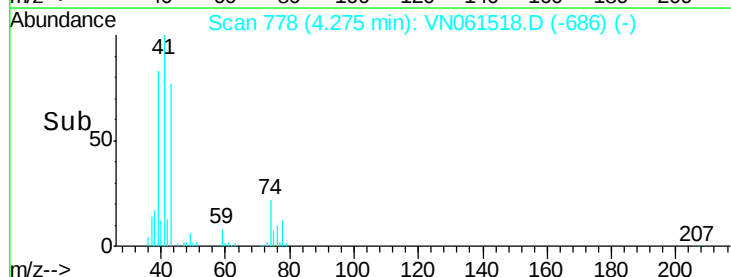
30000

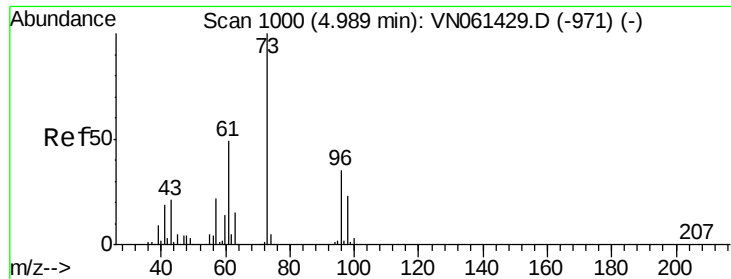
20000

10000

0

Time-->





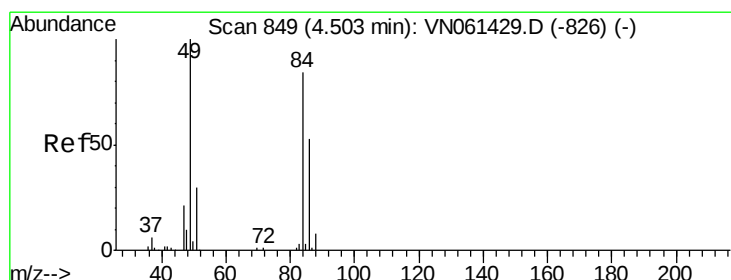
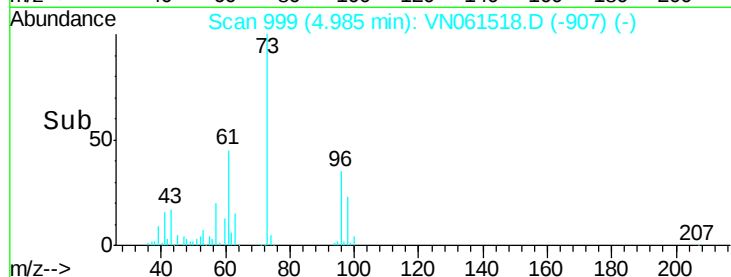
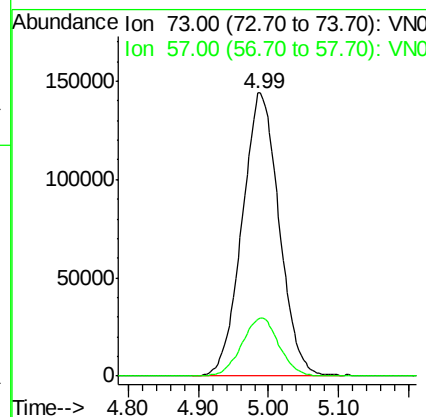
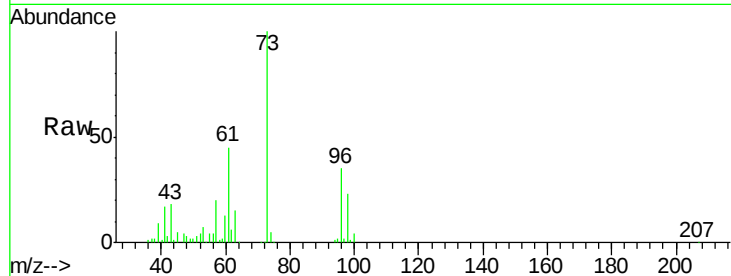
#19
Methvl tert-butvl Ether
Concen: 43.953 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	17.4	26.0

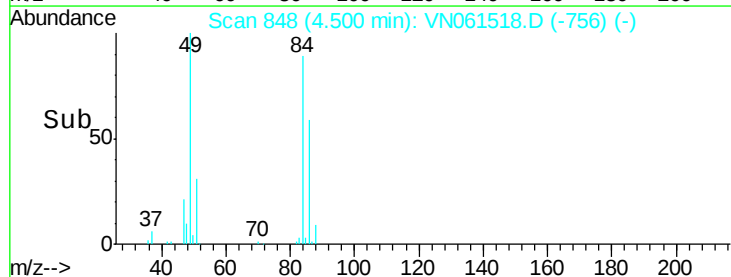
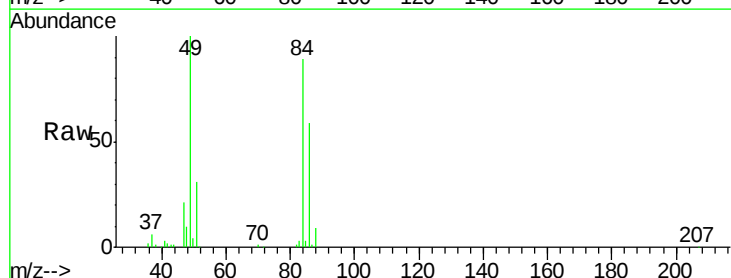
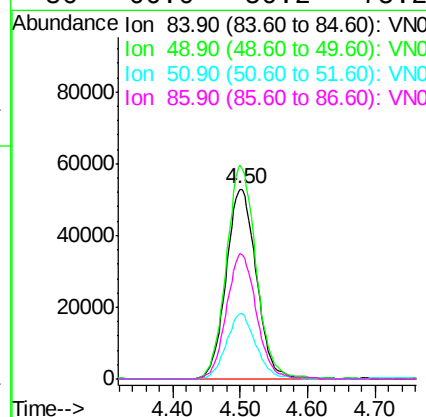
Manual Integrations
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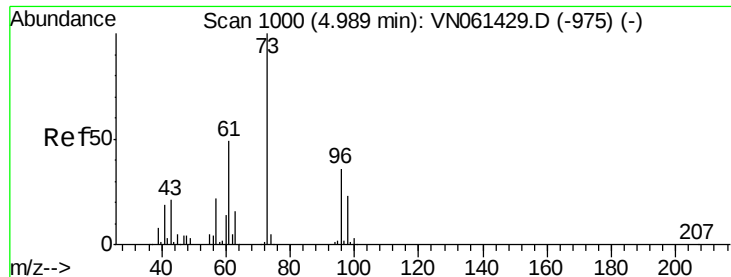
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#20
Methylene Chloride
Concen: 44.021 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	95.3	142.9
51	34.7	29.0	43.6
86	66.0	50.2	75.2





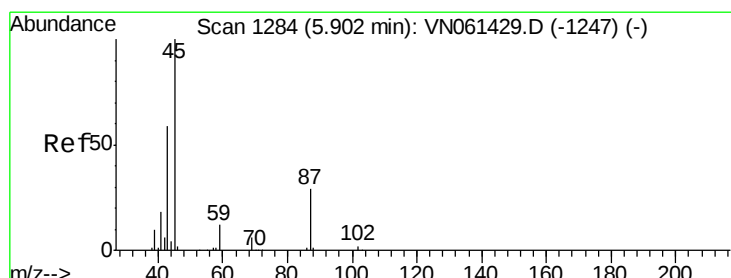
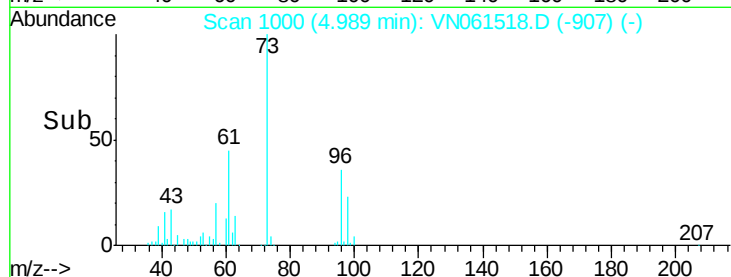
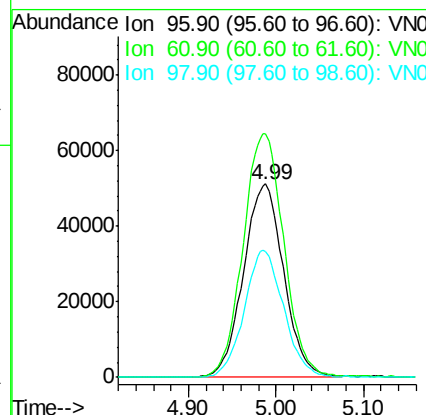
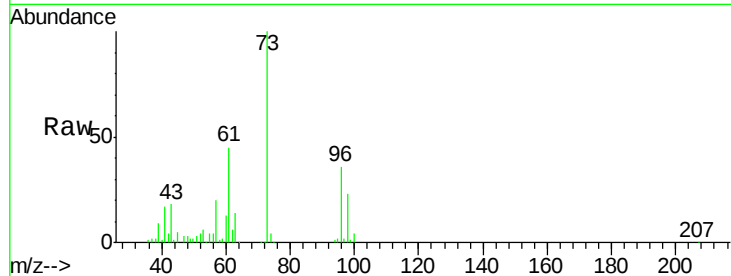
#21
trans-1,2-Dichloroethene
Concen: 44.791 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.1	109.8	164.6
98	65.2	52.4	78.6

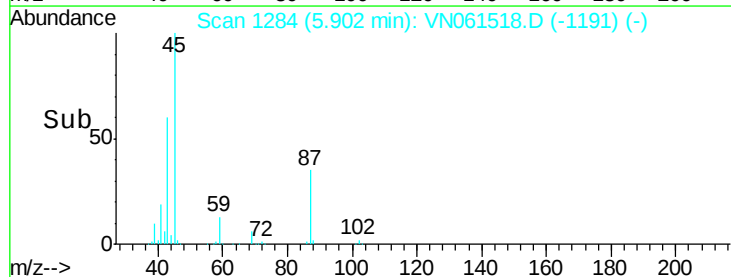
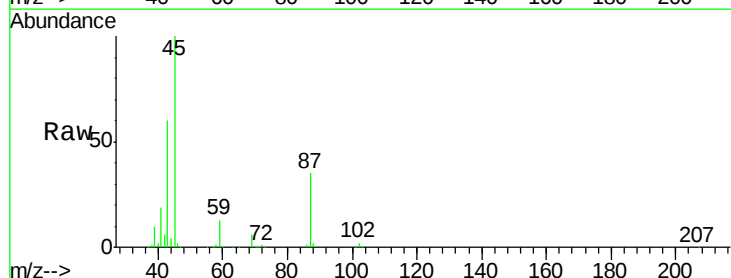
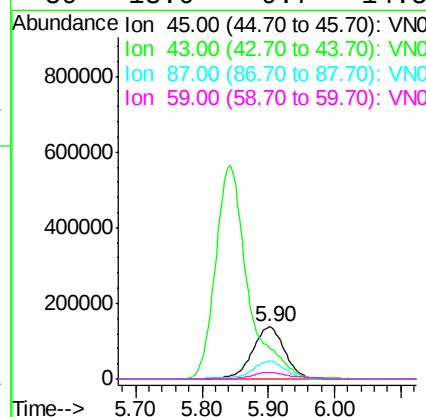
Manual Integrations
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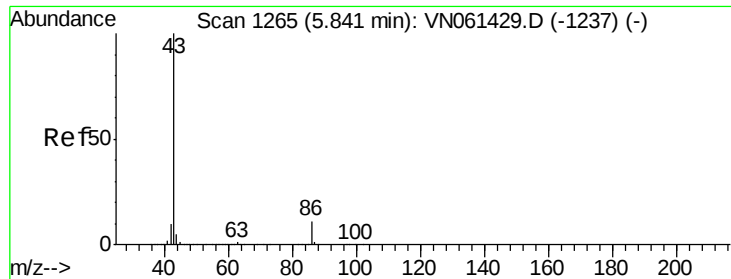
MMDadoda
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#22
Diisopropyl ether
Concen: 40.471 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	47.9	71.9
87	34.8	24.0	36.0
59	13.0	9.7	14.5





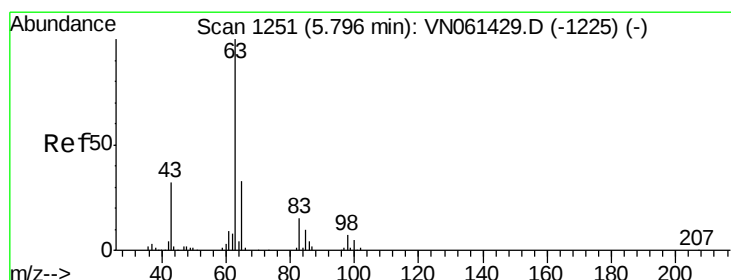
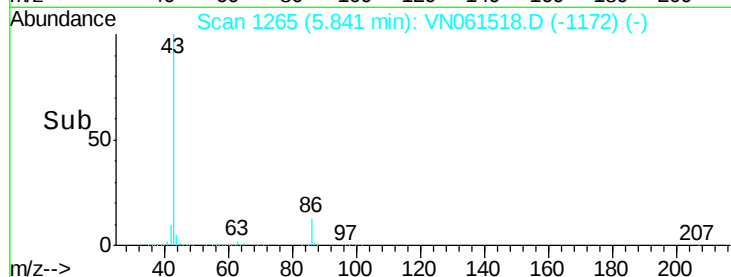
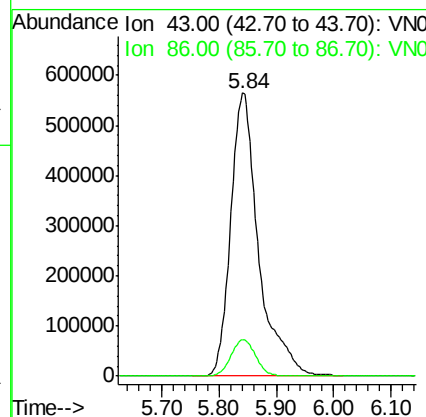
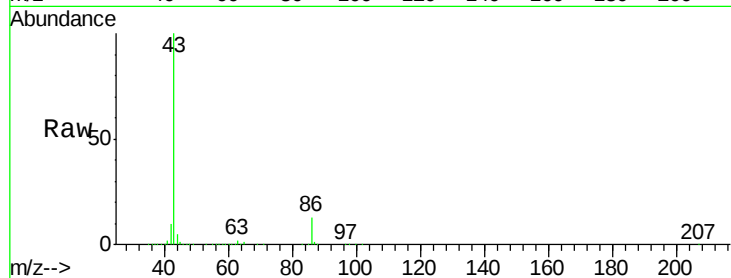
#23
 Vinyl Acetate
 Concen: 208.226 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1912669
 Ion Ratio Lower Upper
 43 100
 86 12.9 9.1 13.7

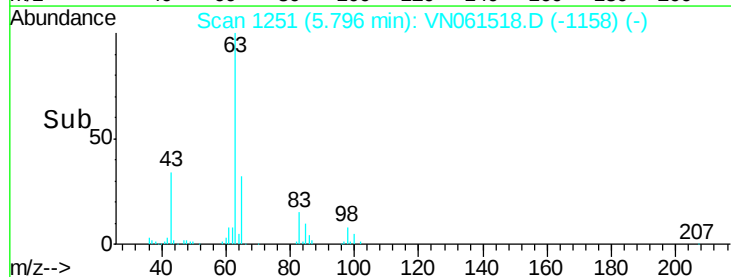
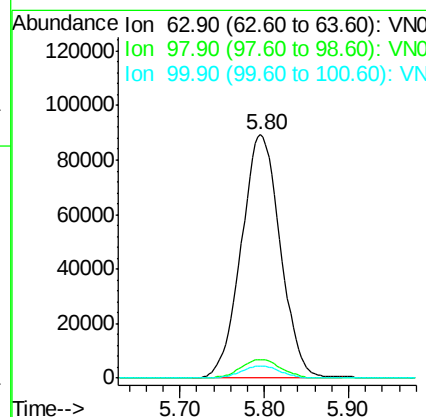
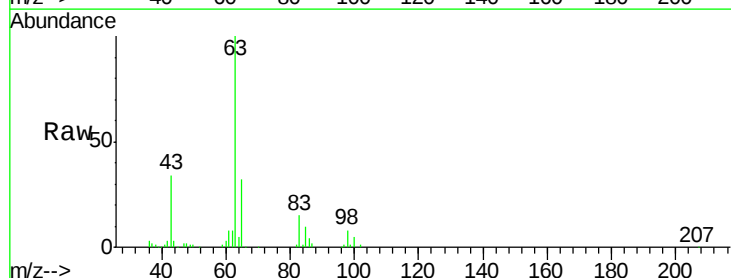
Manual Integrations
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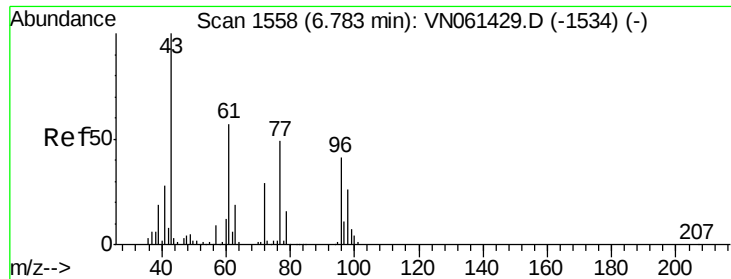
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 42.664 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 63 Resp: 287446
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.5
 100 4.9 2.3 6.9





#25

2-Butanone

Concen: 210.822 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 441447

Ion Ratio Lower Upper

43 100

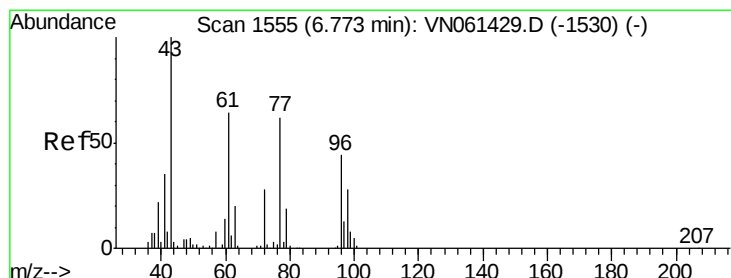
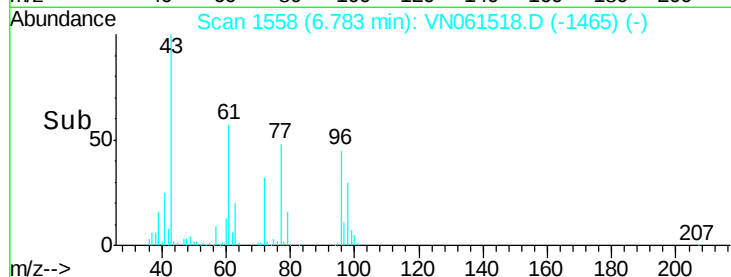
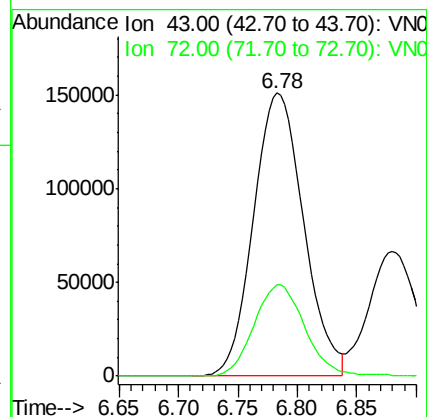
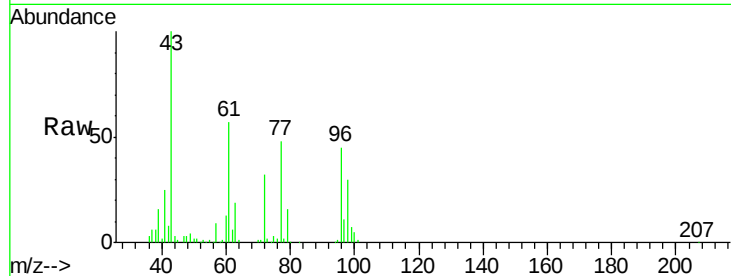
72 32.2 23.0 34.6

Manual Integrations

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5/21/2020 1:16:19 PM



#26

2,2-Dichloropropane

Concen: 39.498 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061518.D

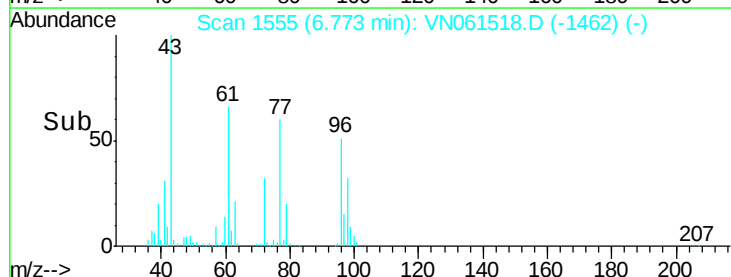
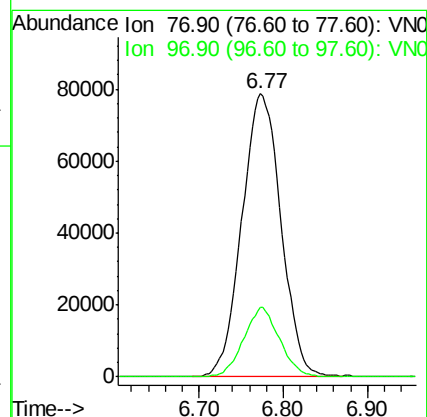
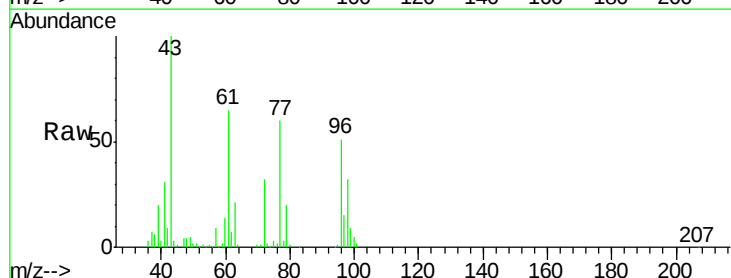
Acq: 20 May 2020 22:07

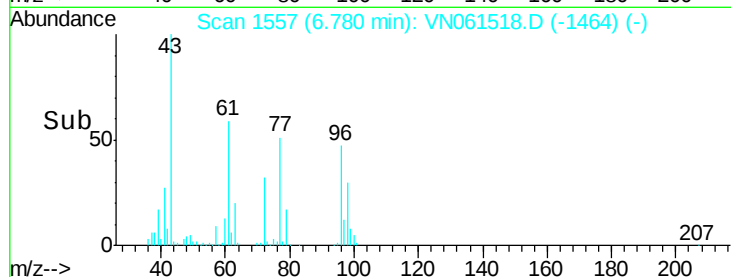
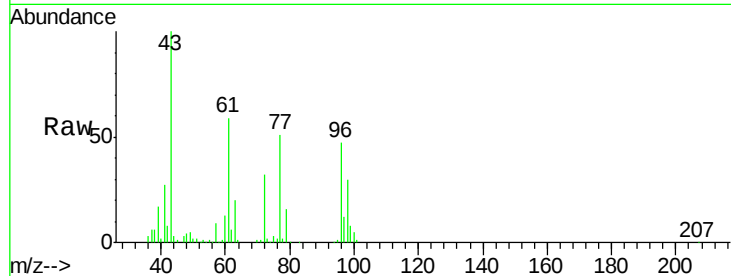
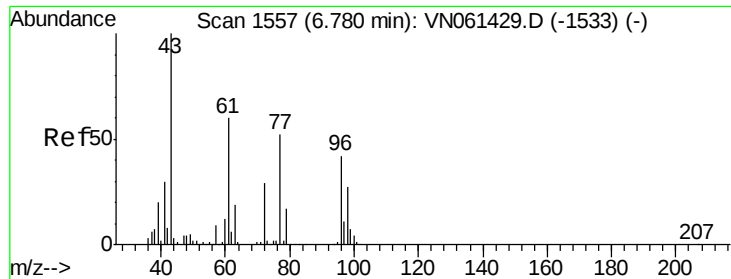
Tgt Ion: 77 Resp: 253685

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.818 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061518.D

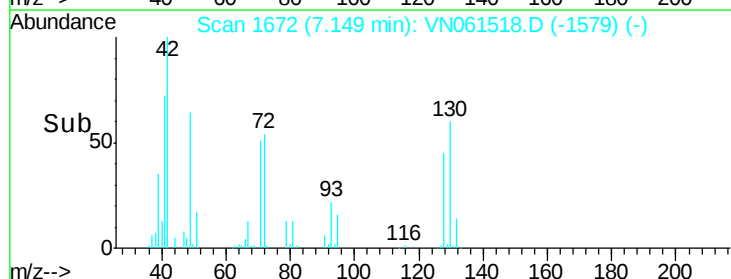
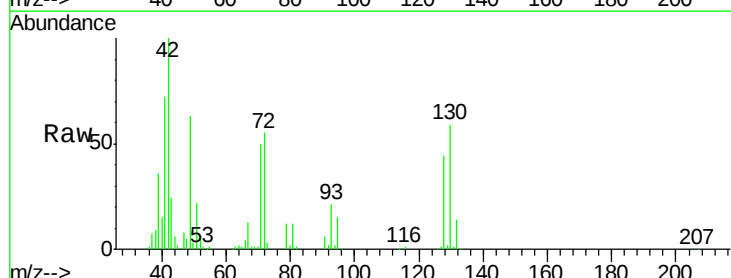
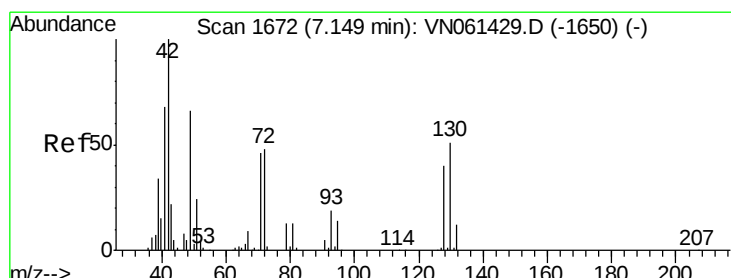
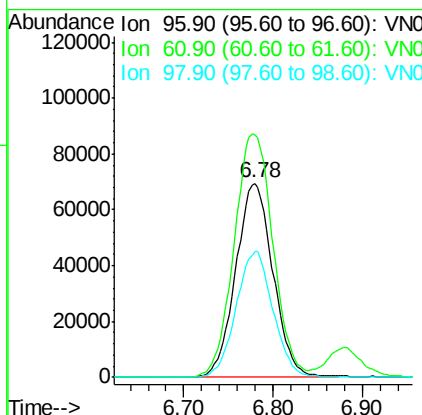
Acq: 20 May 2020 22:07

Tot Ion	Ratio	Resp	Lower	Upper
96	100	201424		
61	130.7	0.0	294.2	
98	64.2	0.0	128.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#28

Bromochloromethane

Concen: 44.153 ug/l

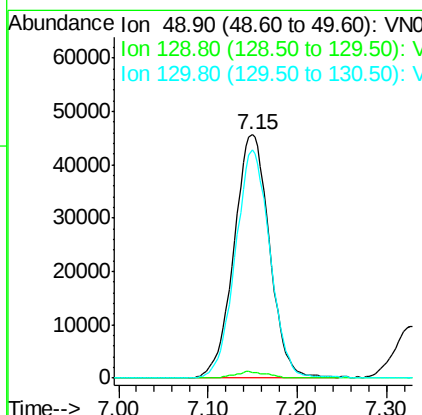
RT: 7.15 min Scan# 1672

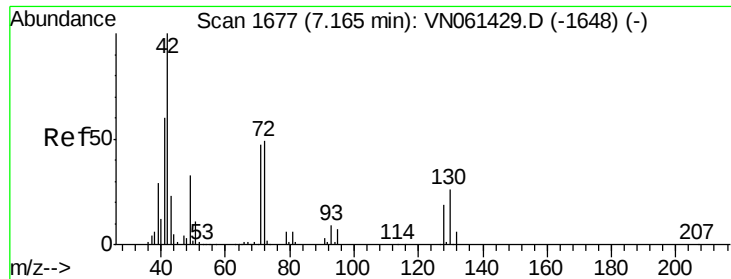
Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	126268		
129	2.4	0.0	4.6	
130	91.3	62.2	93.2	





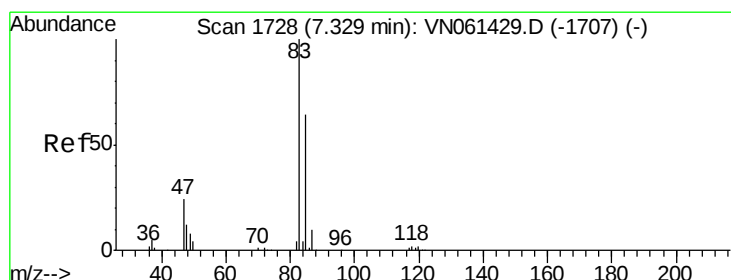
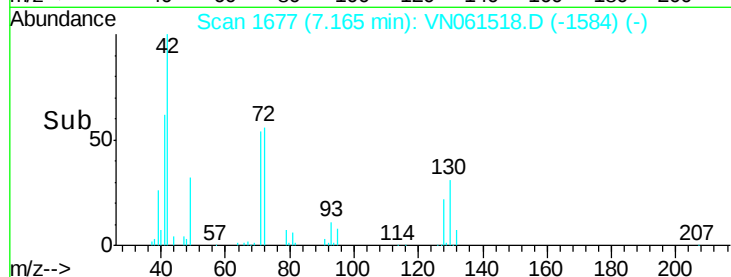
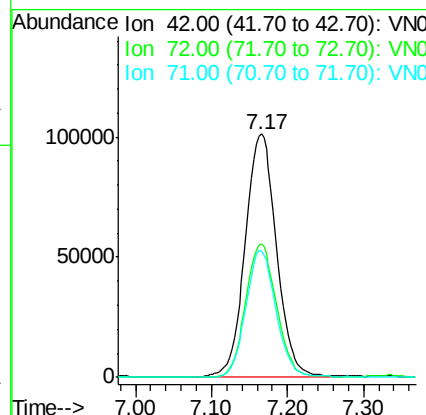
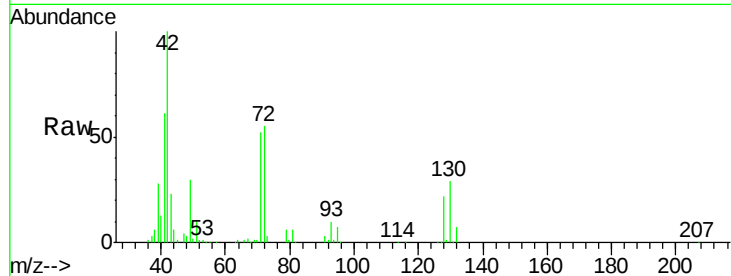
#29
Tetrahydrofuran
Concen: 208.934 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.3	39.0	58.6
71	50.5	36.9	55.3

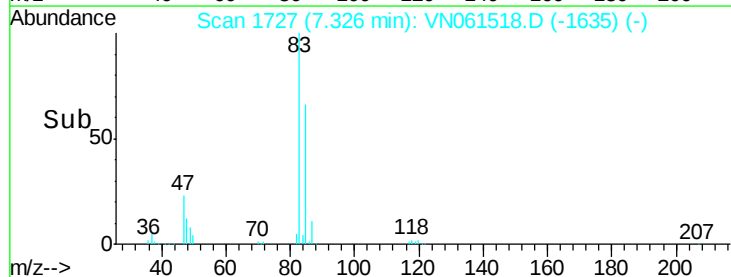
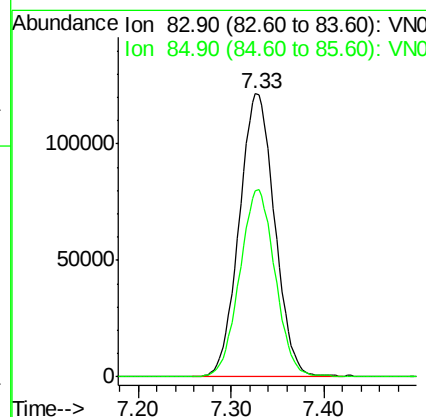
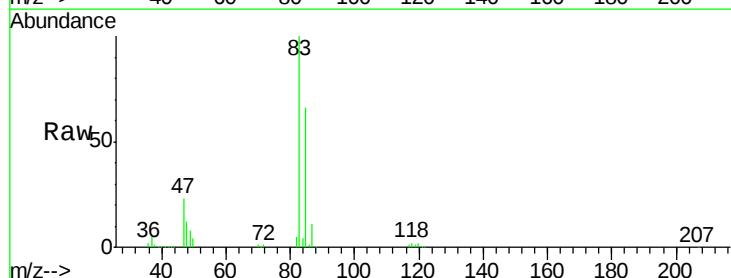
Manual Integrations
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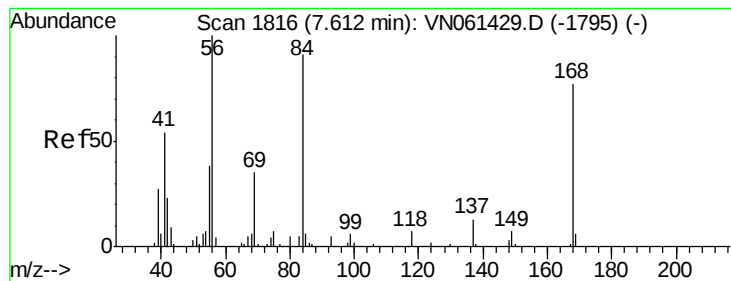
MMDadoda
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#30
Chloroform
Concen: 45.892 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4





#31

Cyclohexane

Concen: 40.353 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 242697

Ion Ratio Lower Upper

56 100

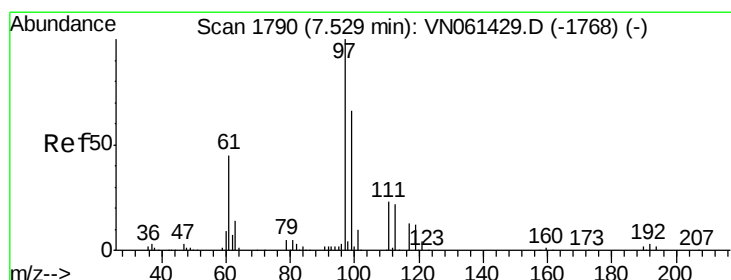
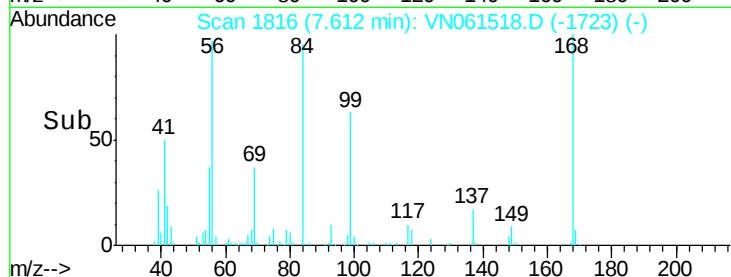
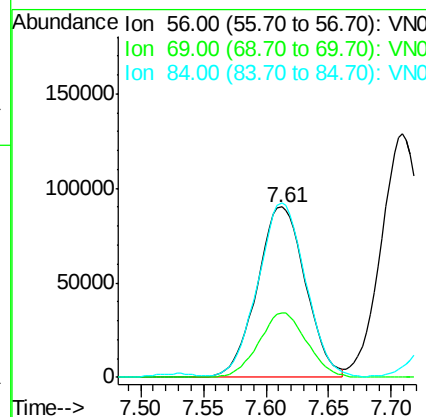
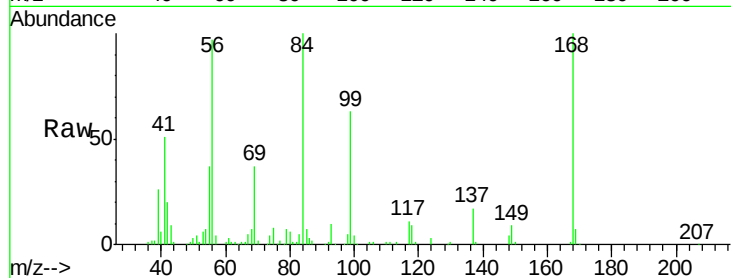
69 38.1 27.8 41.6

84 101.2 72.7 109.1

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#32

1,1,1-Trichloroethane

Concen: 46.539 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

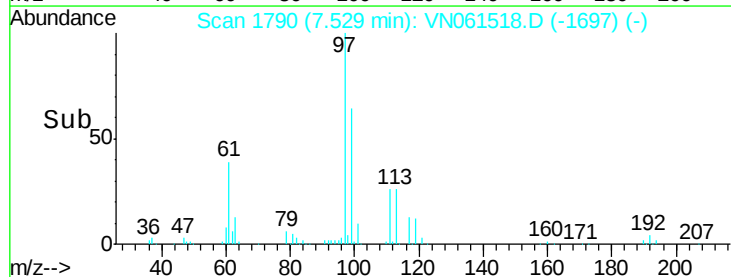
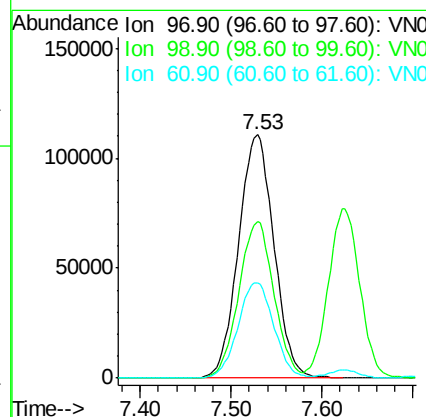
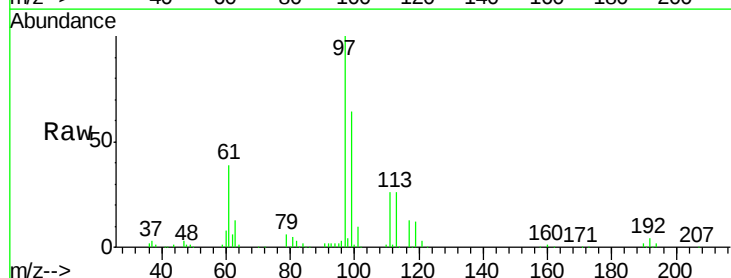
Tgt Ion: 97 Resp: 299263

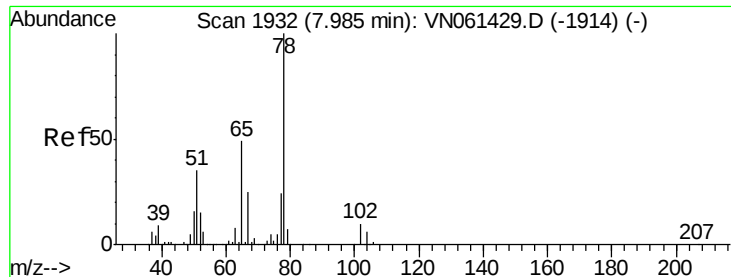
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 39.7 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 43.850 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 201663

Ion Ratio Lower Upper

65 100

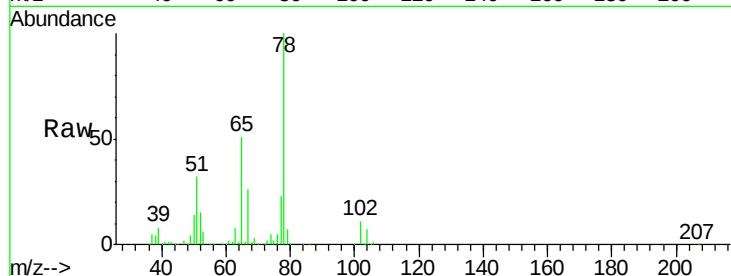
67 52.4 0.0 101.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

80000

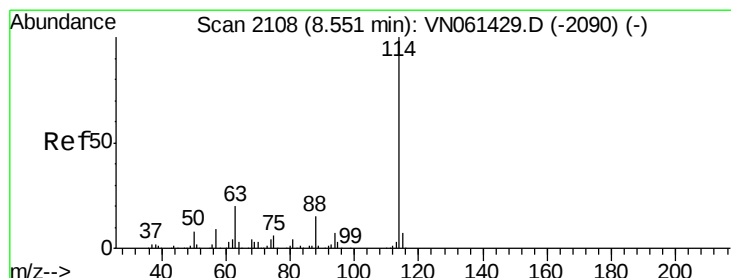
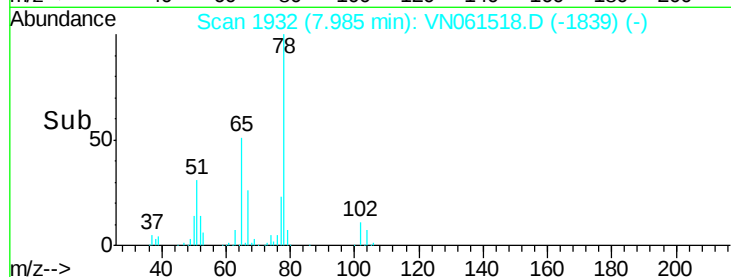
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

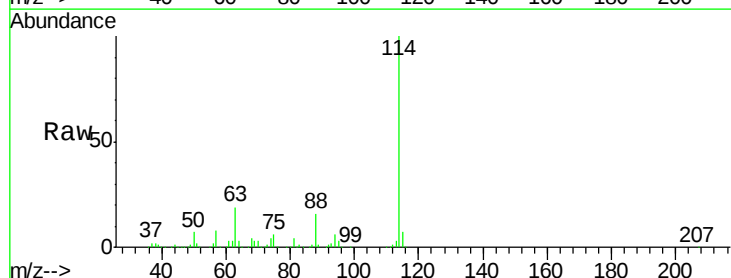
Tgt Ion: 114 Resp: 563749

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

88 15.6 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

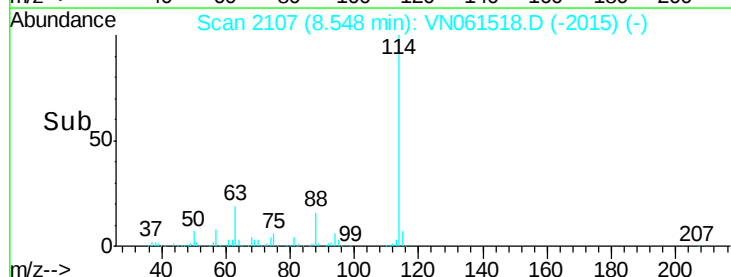
300000

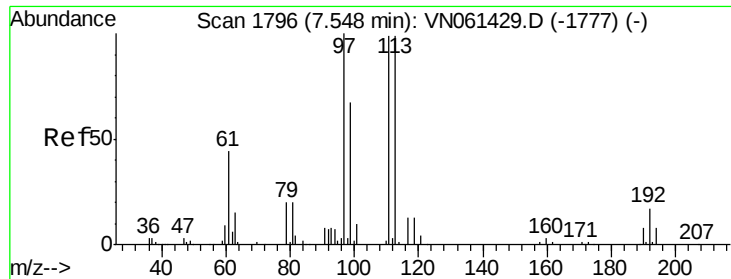
200000

100000

0

Time-->





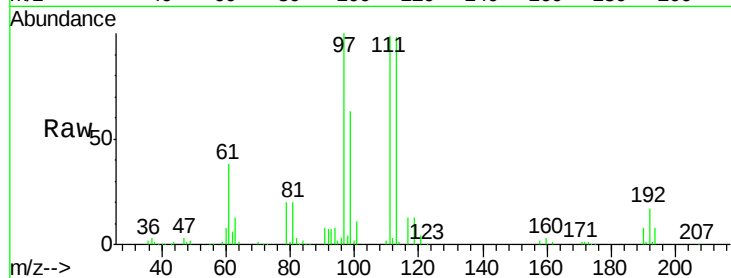
#35
 Dibromofluoromethane
 Concen: 48.857 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144291		
111	101.4	80.6	121.0	
192	17.4	13.2	19.8	

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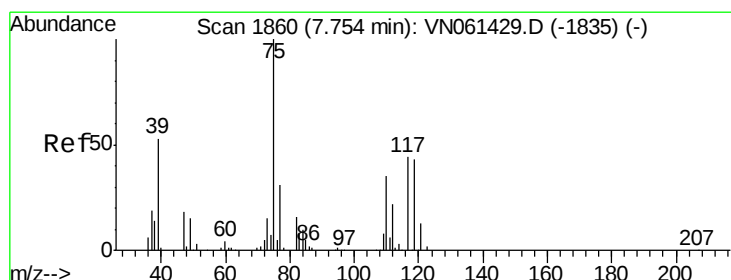
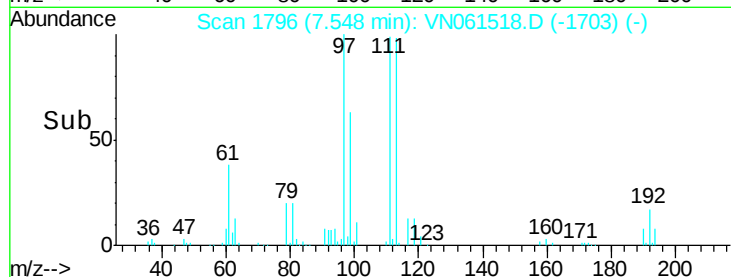
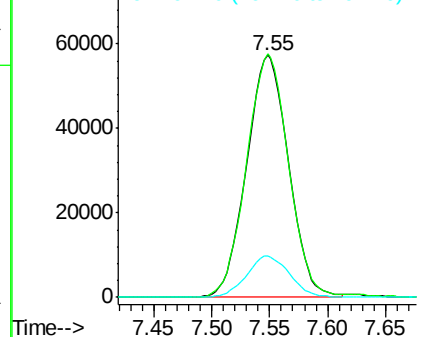


Abundance

Ion 112.80 (112.50 to 113.50): V

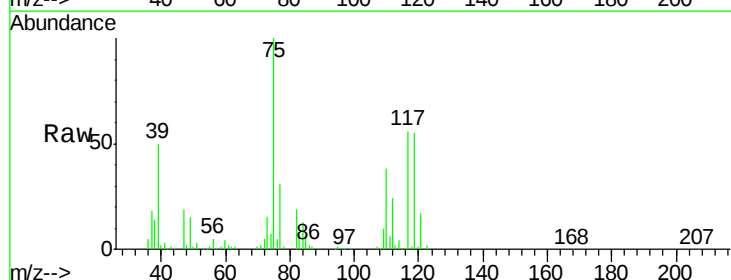
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 43.924 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231537		
110	38.3	17.3	51.9	
77	31.5	24.9	37.3	

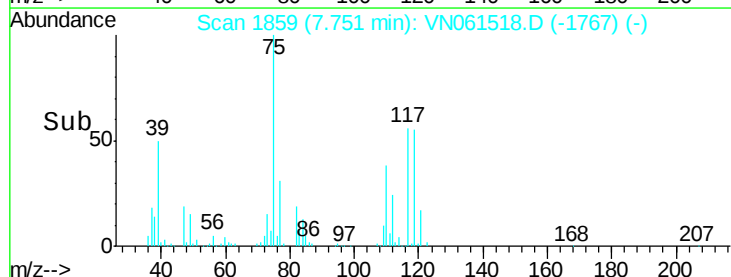
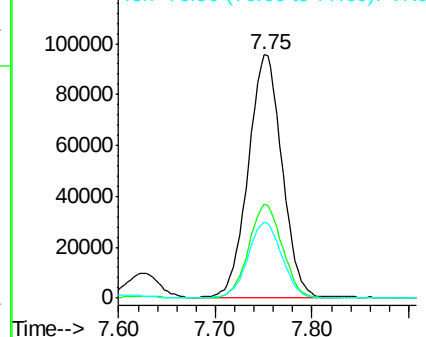


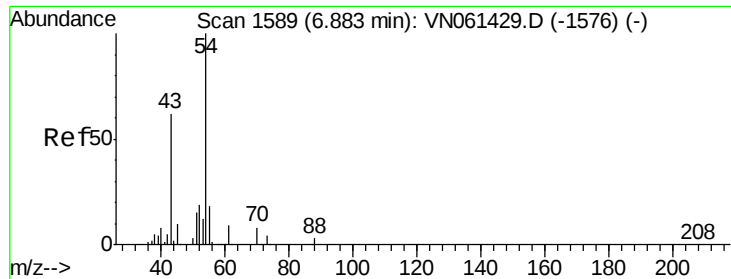
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





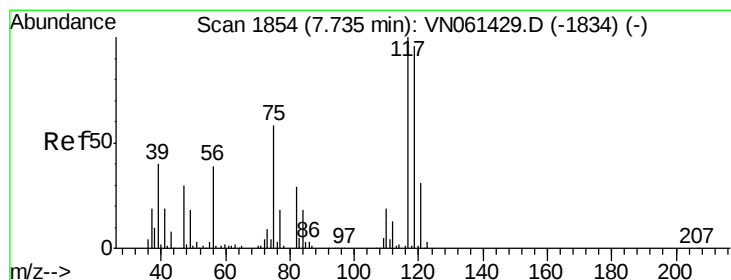
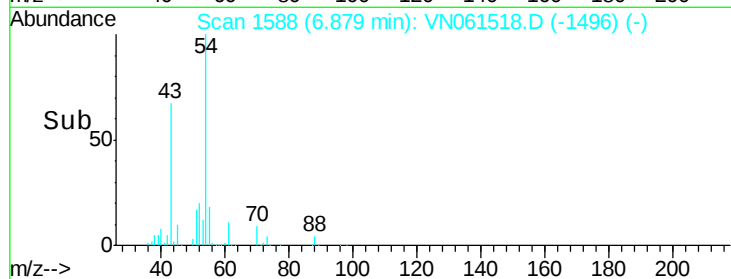
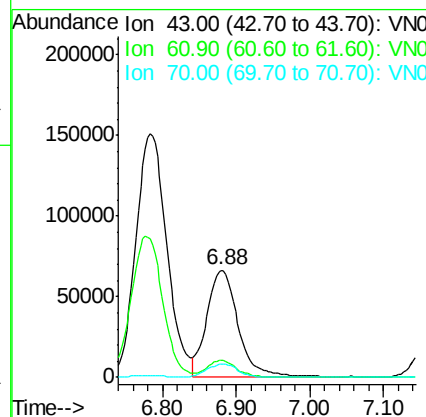
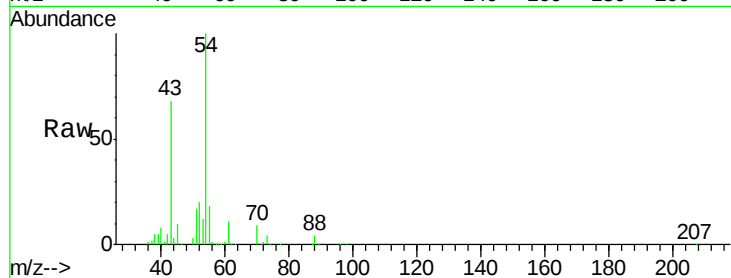
#37
Ethyl Acetate
Concen: 40.774 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.7	17.5
70	12.2	9.2	13.8

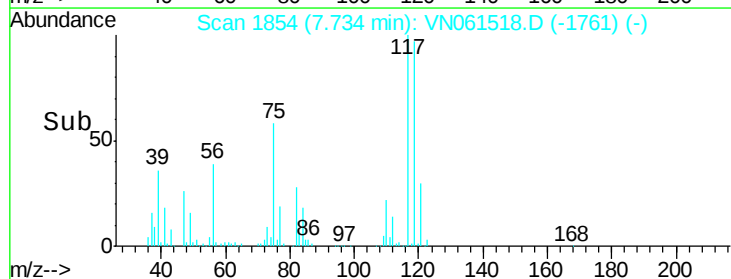
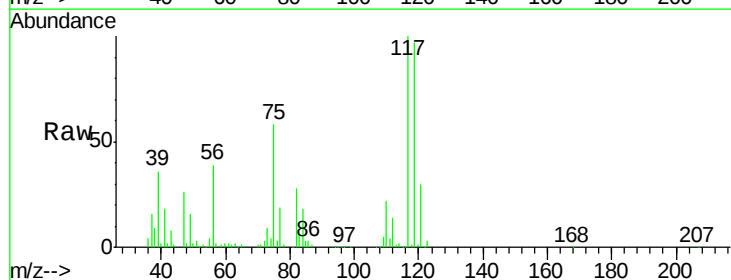
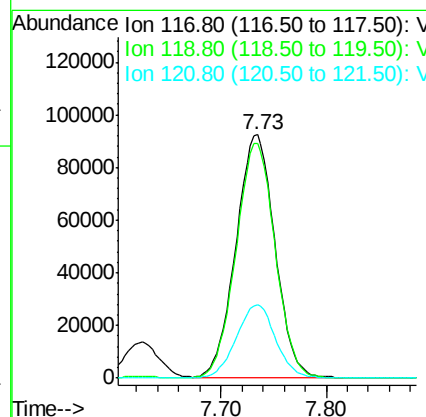
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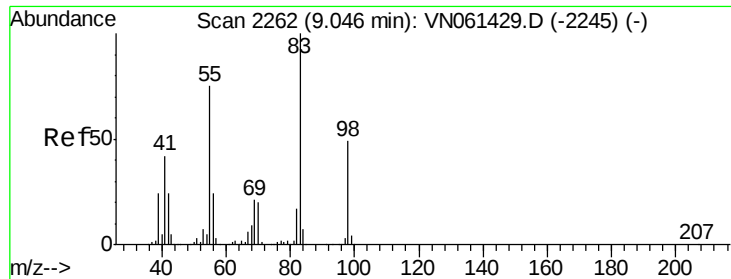
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.694 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.6
121	30.3	24.7	37.1





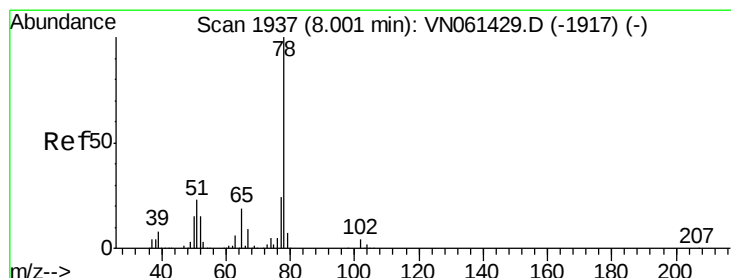
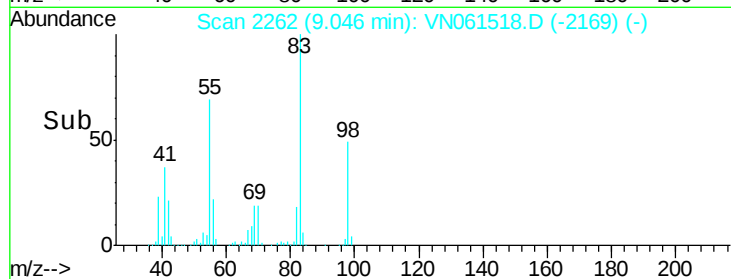
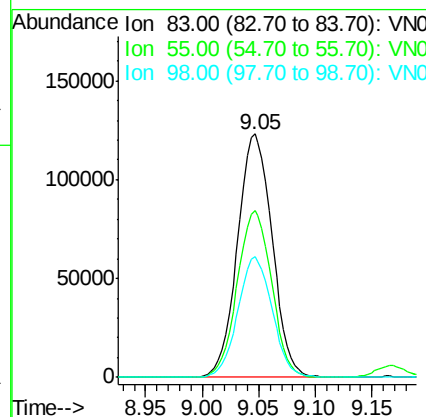
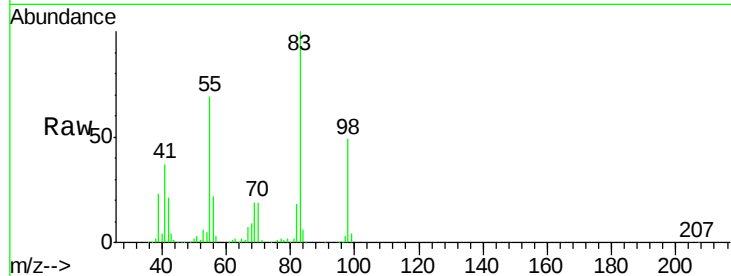
#39
Methvlcvclohexane
Concen: 40.884 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263227		
55	68.7		59.7	89.5
98	49.4		38.9	58.3

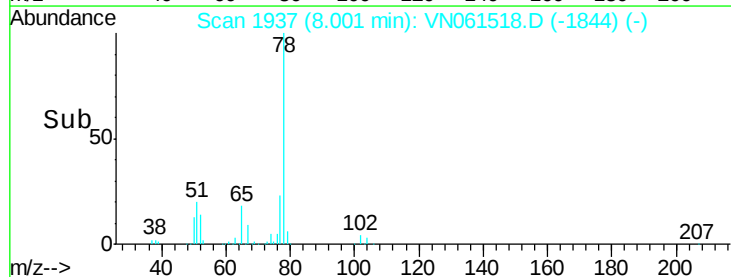
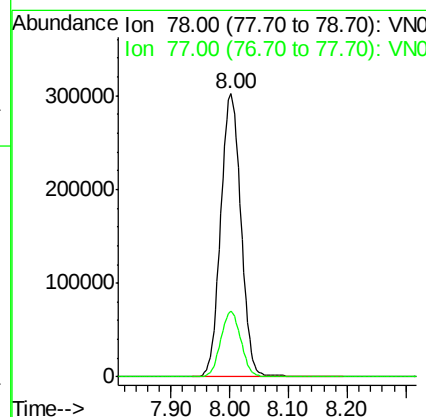
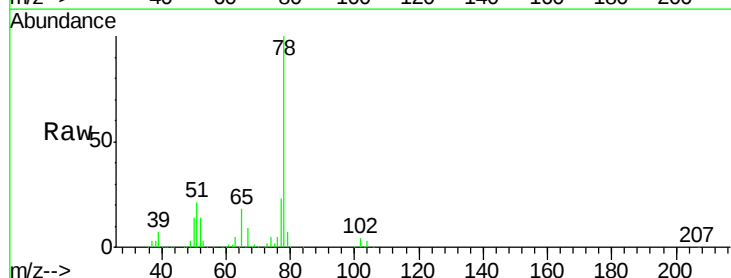
Manual Integrations
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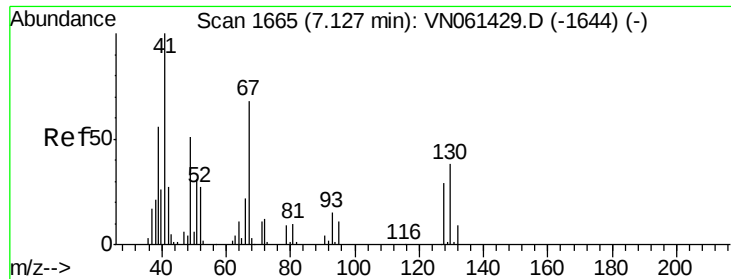
MMDadoda
5/21/2020 1:16:19 PM



#40
Benzene
Concen: 45.375 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	720813		
77	23.1		19.1	28.7





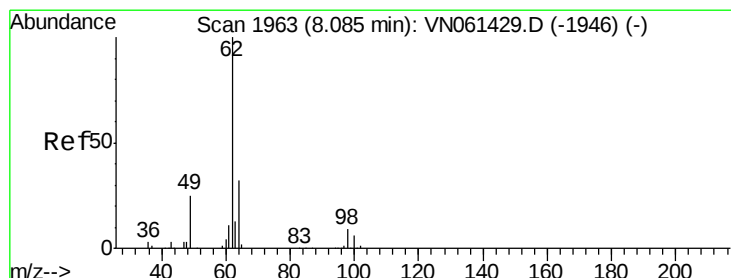
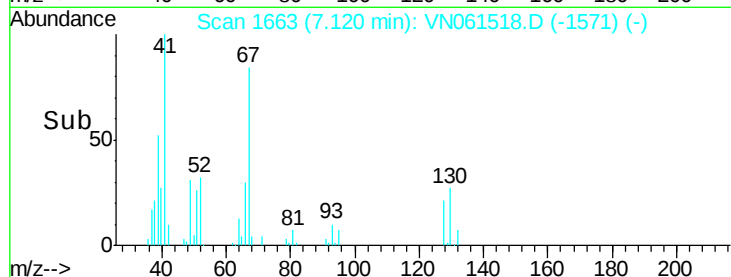
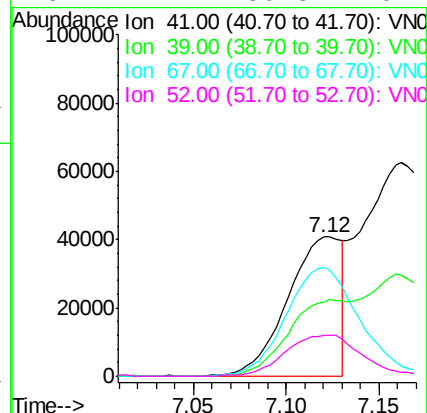
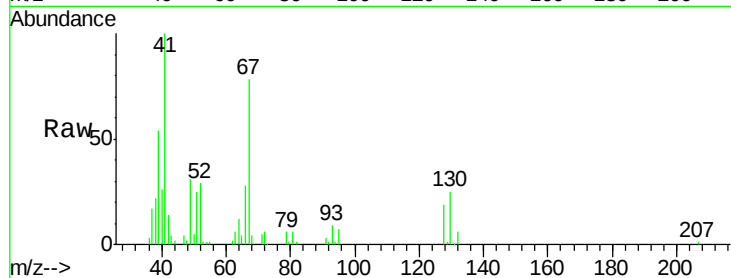
#41
Methacrylonitrile
Concen: 40.788 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.01 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.9	48.3	72.5
67	107.2	74.2	111.4
52	42.4	30.8	46.2

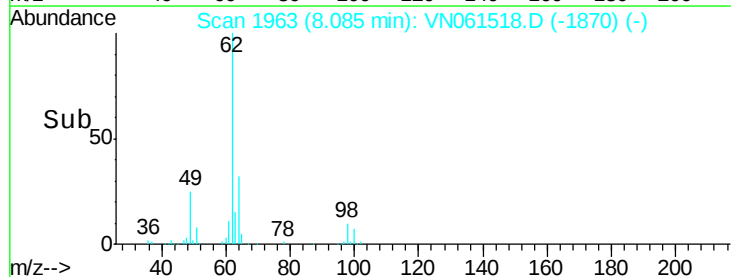
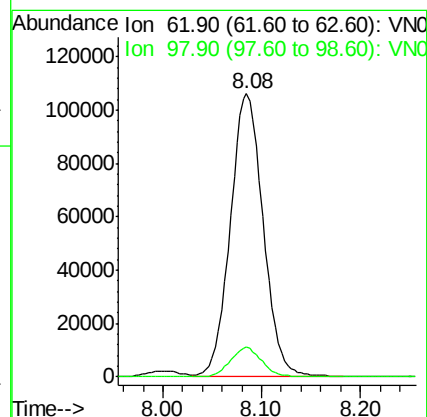
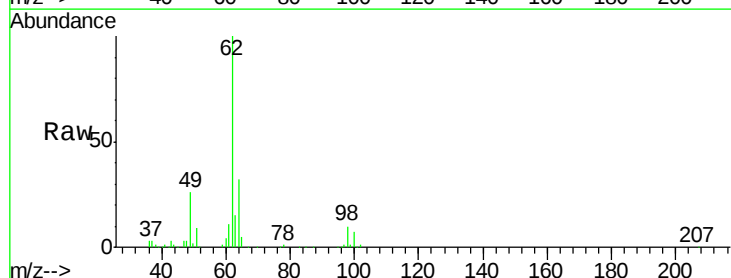
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 42.849 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4





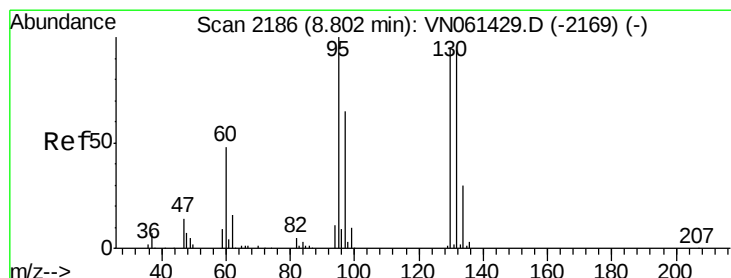
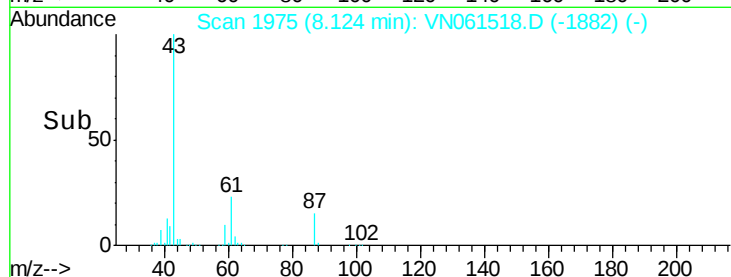
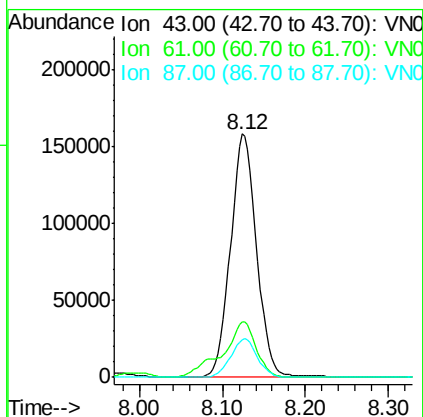
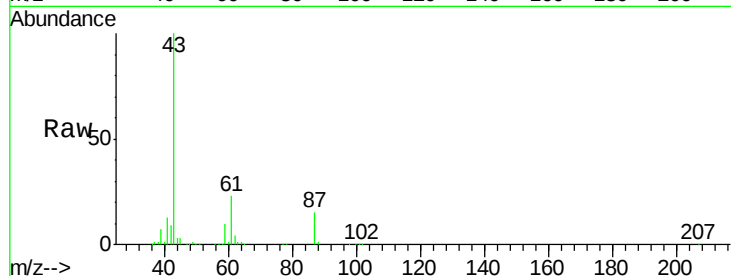
#43
Isopropyl Acetate
Concen: 41.433 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	345459		
61	29.3		23.0	34.4
87	16.1		11.6	17.4

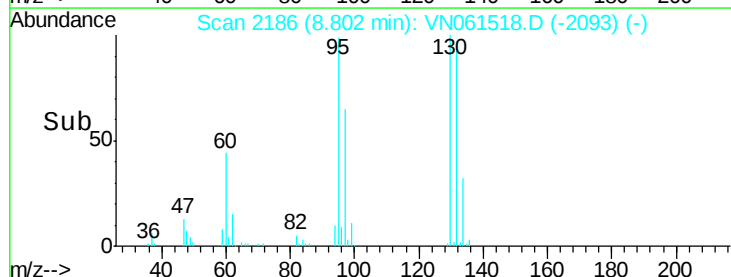
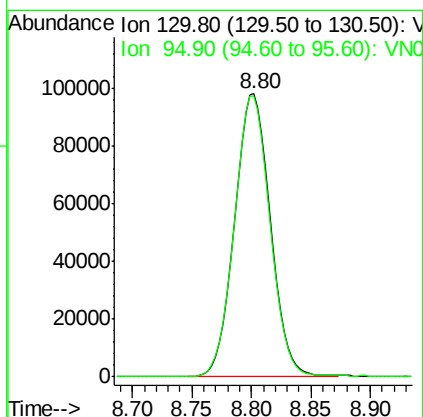
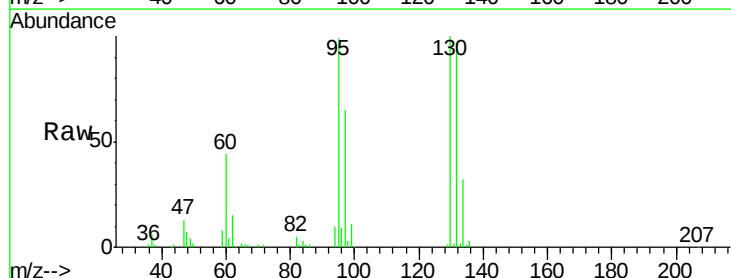
Manual Integrations
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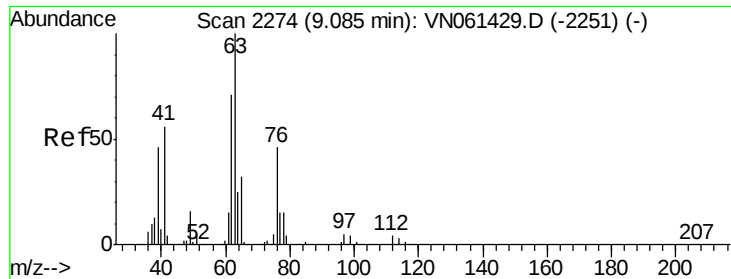
MMDadoda
5/21/2020 1:16:19 PM



#44
Trichloroethene
Concen: 49.203 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	204803		
95	99.1		0.0	209.8





#45

1,2-Dichloropropane

Concen: 43.451 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 172768

Ion Ratio Lower Upper

63 100

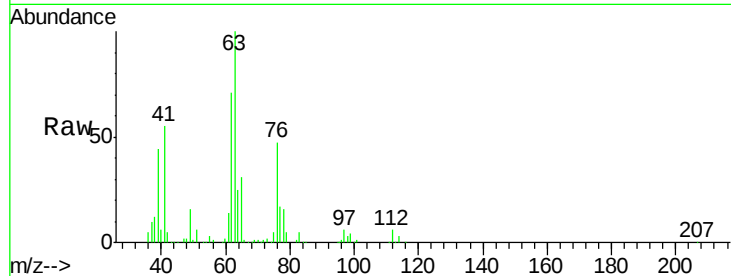
65 31.0 25.2 37.8

Manual Integrations

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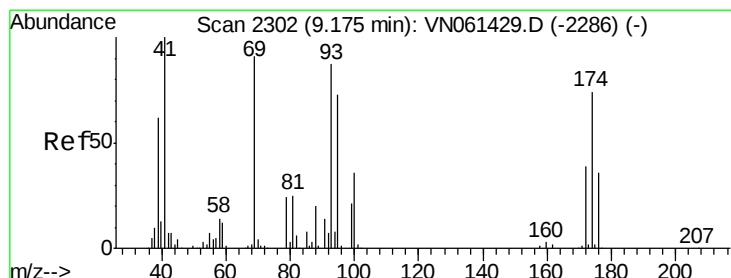
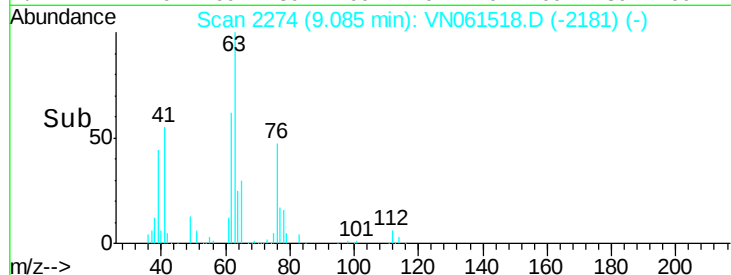
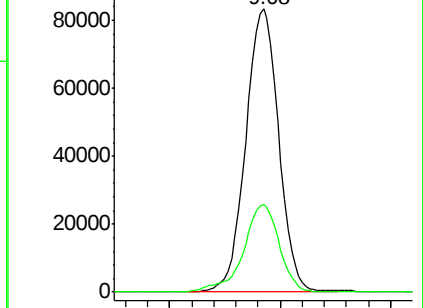
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Abundance Ion 62.90 (62.60 to 63.60): VN061518.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061518.D (-2181) (-)



#46

Dibromomethane

Concen: 46.504 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

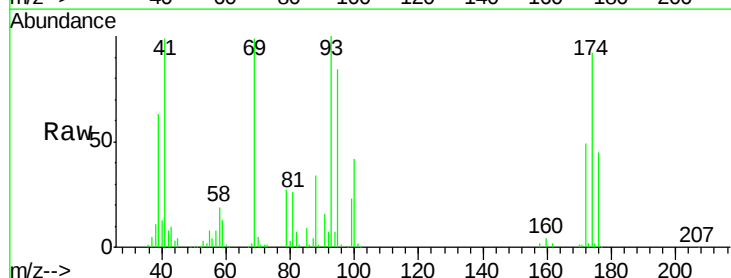
Tgt Ion: 93 Resp: 129627

Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

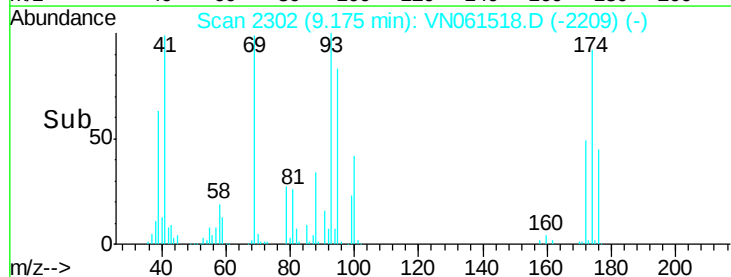
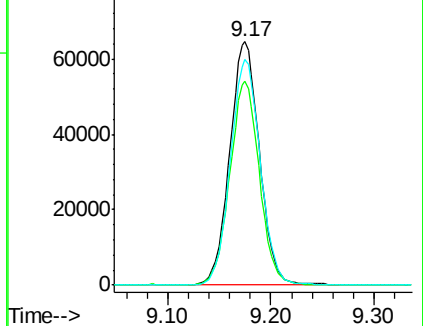
174 93.4 68.0 102.0

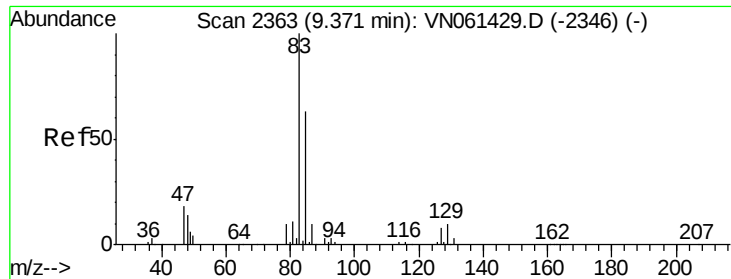


Abundance Ion 92.80 (92.50 to 93.50): VN061518.D (-2209) (-)

Ion 94.80 (94.50 to 95.50): VN061518.D (-2209) (-)

Ion 173.70 (173.40 to 174.40): VN061518.D (-2209) (-)





#47

Bromodichloromethane

Concen: 45.296 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

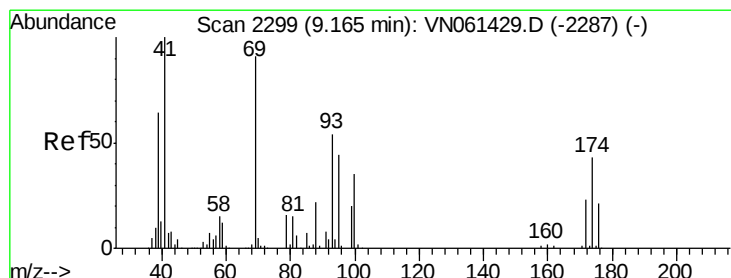
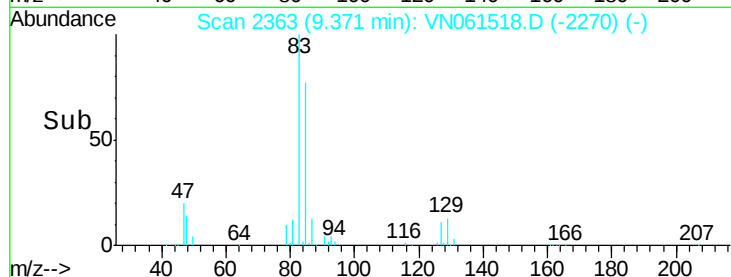
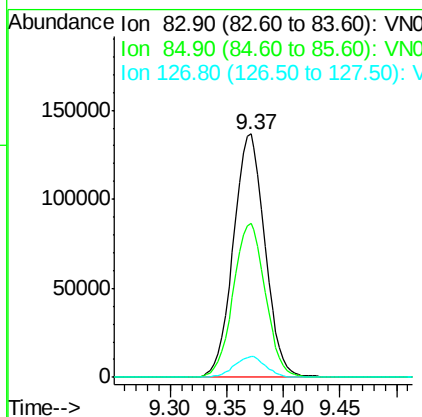
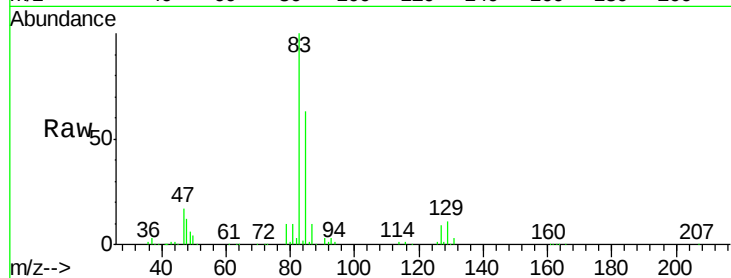
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	266021
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.6	76.0
127	8.6	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 40.226 ug/l

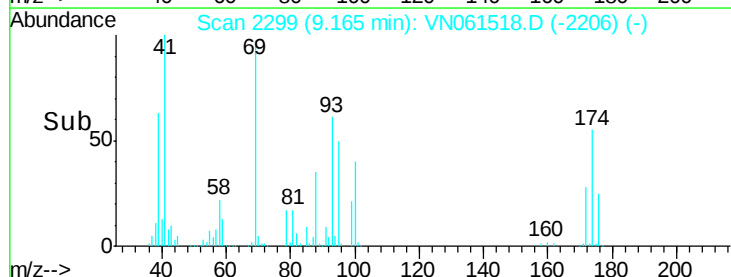
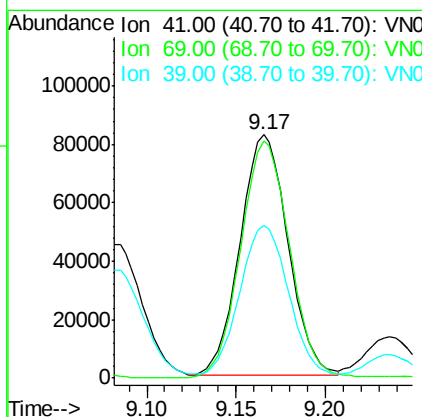
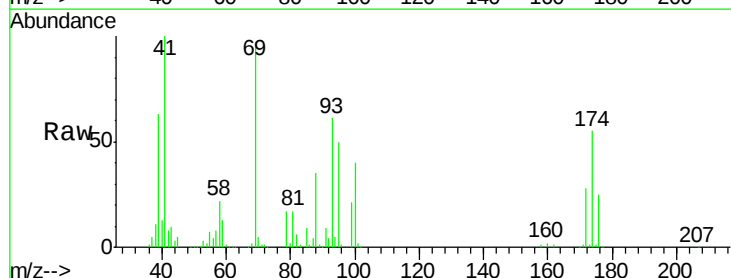
RT: 9.17 min Scan# 2299

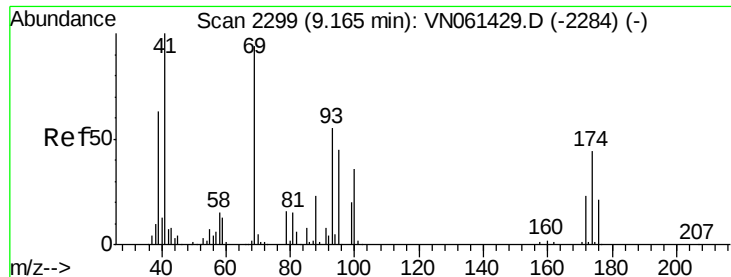
Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	41	Resp:	154939
Ion Ratio	Lower	Upper	
41	100		
69	101.8	75.3	112.9
39	65.4	52.6	79.0





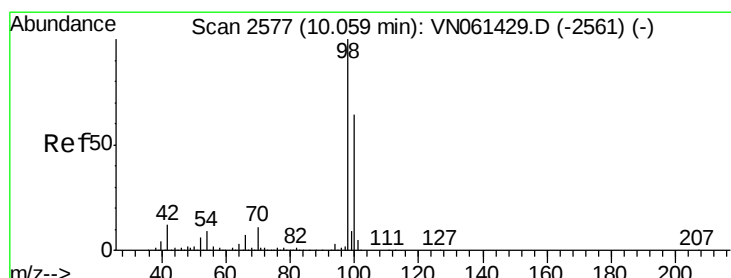
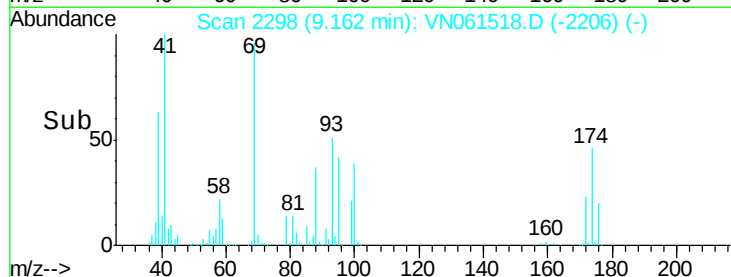
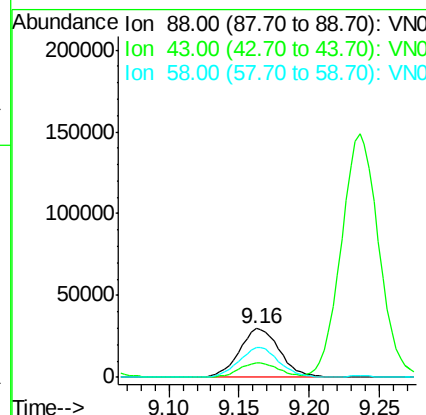
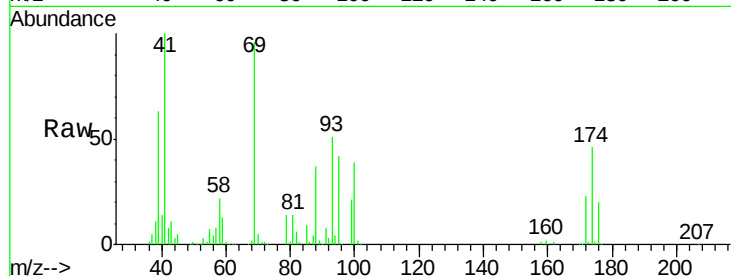
#49
1,4-Dioxane
Concen: 1492.652 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	59718		
43	29.6	26.3	39.5	
58	60.5	54.1	81.1	

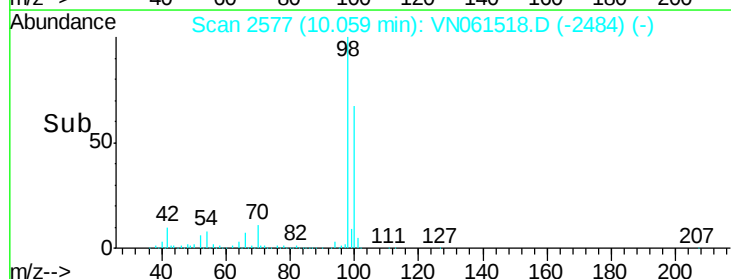
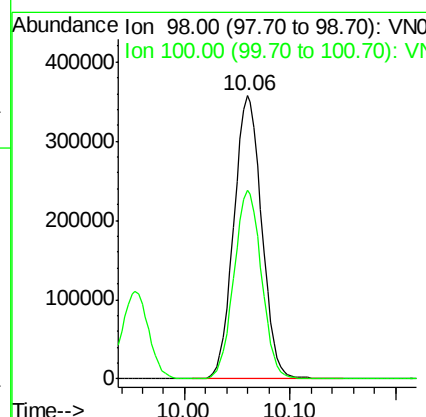
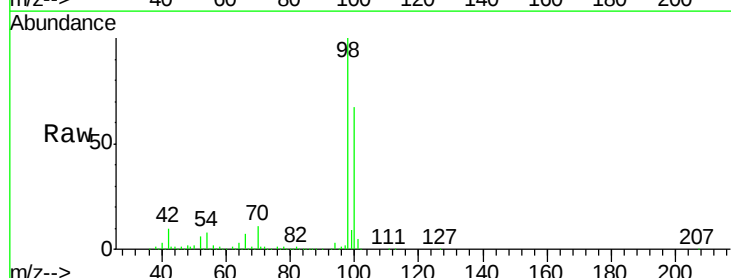
Manual Integrations
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#50
Toluene-d8
Concen: 47.687 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	653227		
100	65.9	51.8	77.8	





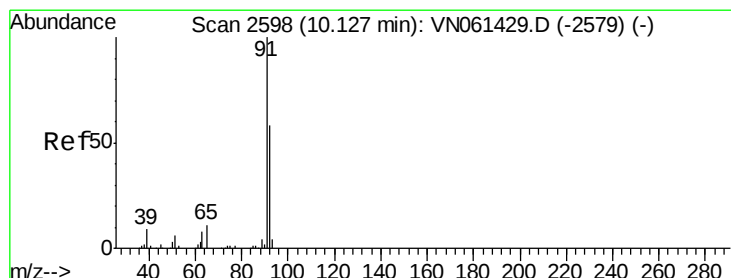
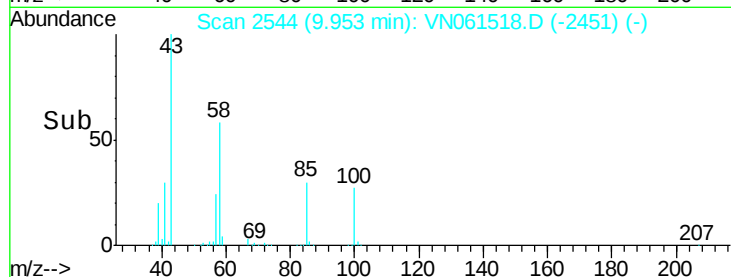
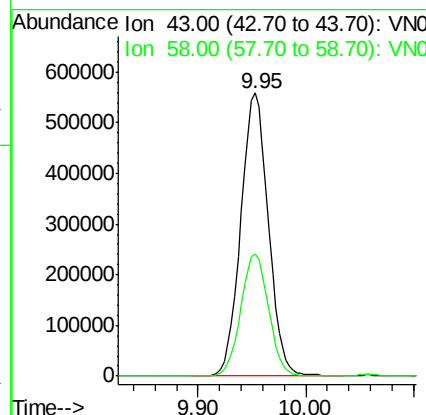
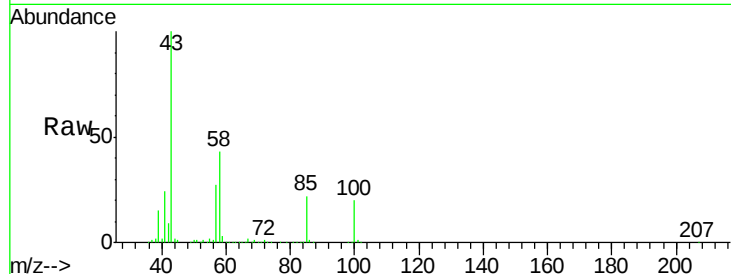
#51
4-Methyl-2-Pentanone
Concen: 218.930 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	994390
Ion Ratio	43	100	
Lower	58	43.8	33.4
Upper			50.2

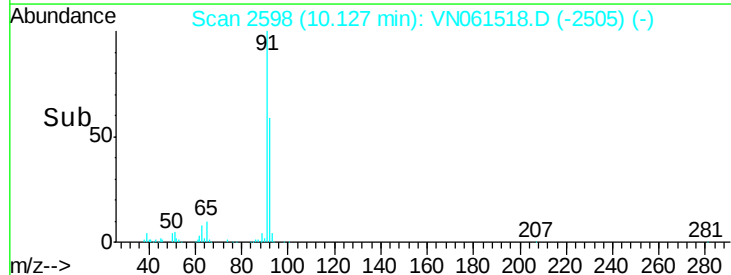
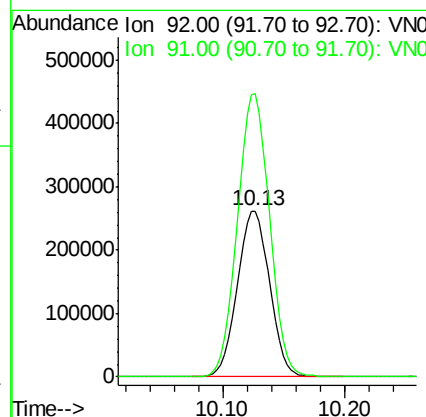
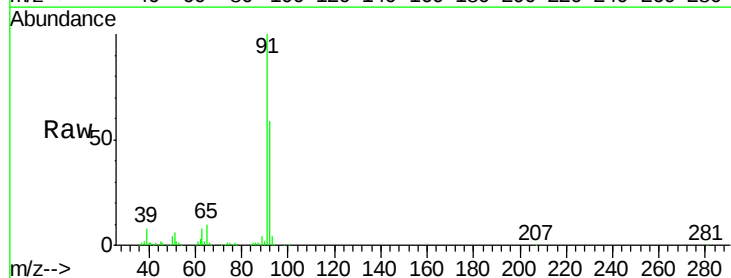
Manual Integrations
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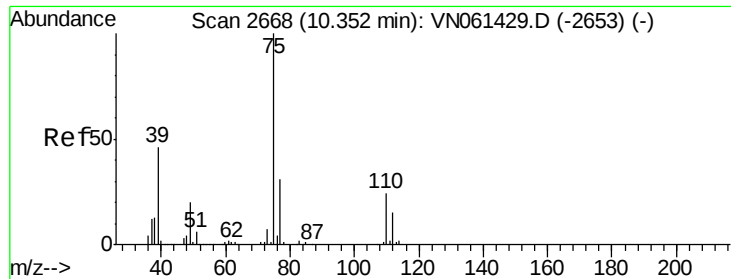
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#52
Toluene
Concen: 47.154 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	92	Resp	480905
Ion Ratio	92	100	
Lower	91	170.3	138.0
Upper			207.0





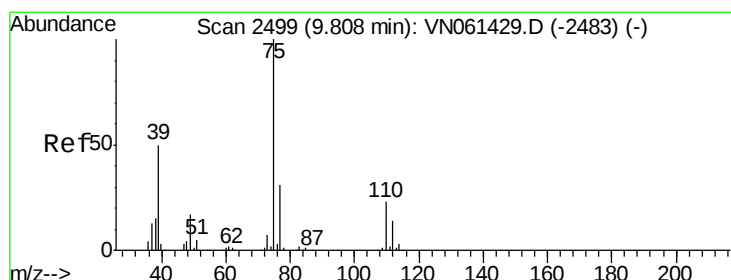
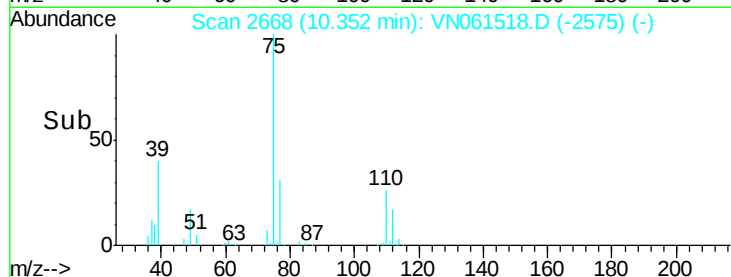
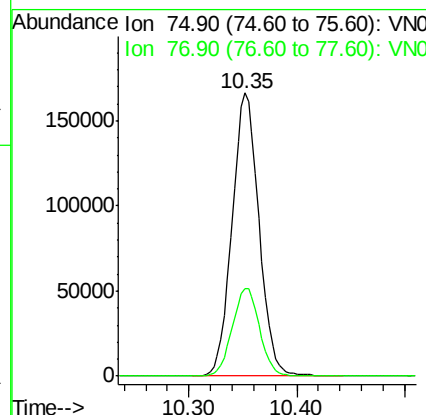
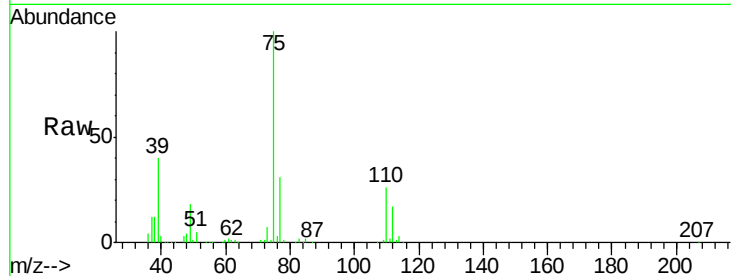
#53
t-1,3-Dichloropropene
Concen: 44.935 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

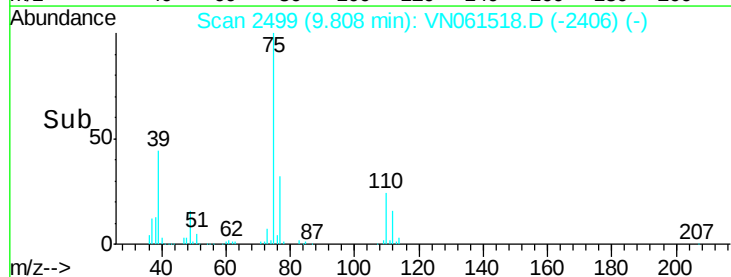
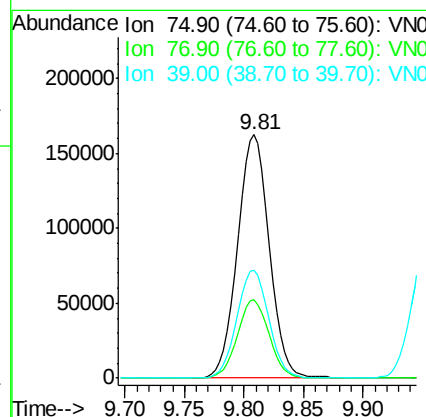
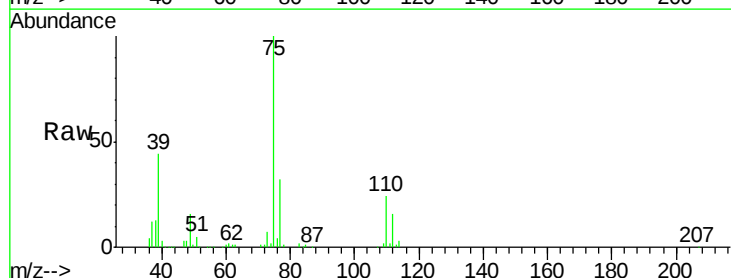
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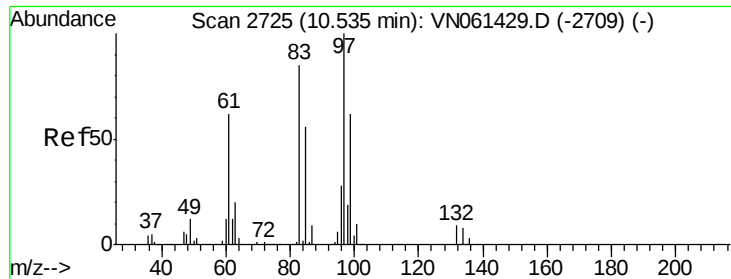
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#54
cis-1,3-Dichloropropene
Concen: 43.915 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	44.4	39.8	59.6





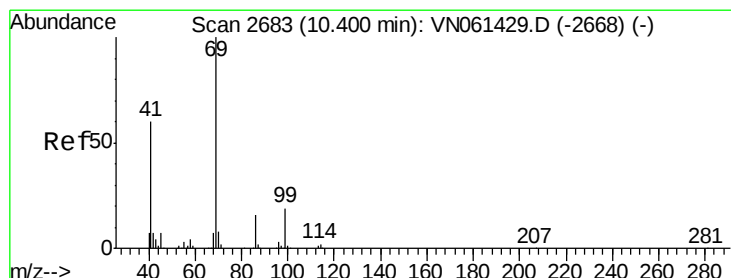
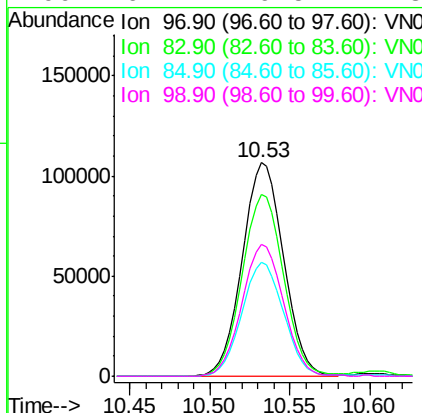
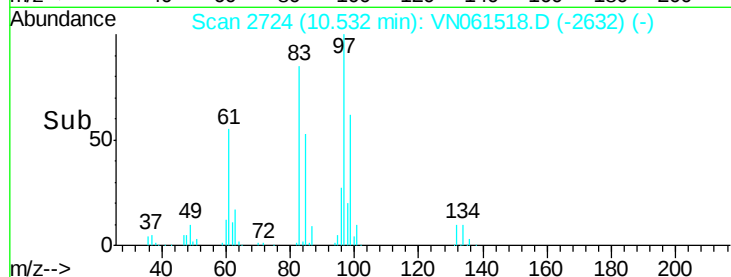
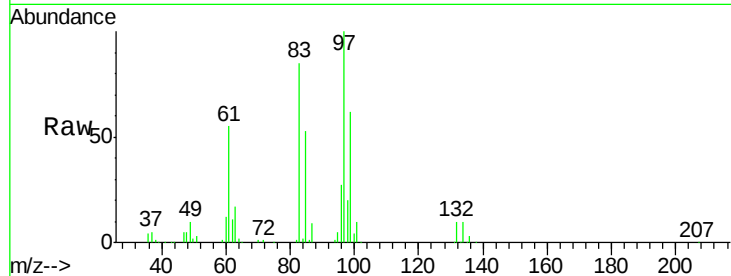
#55
 1,1,2-Trichloroethane
 Concen: 48.800 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	188162
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.2	102.4
85	53.3	44.6	67.0
99	61.7	49.5	74.3

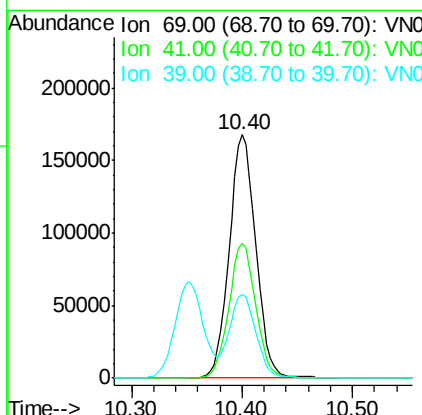
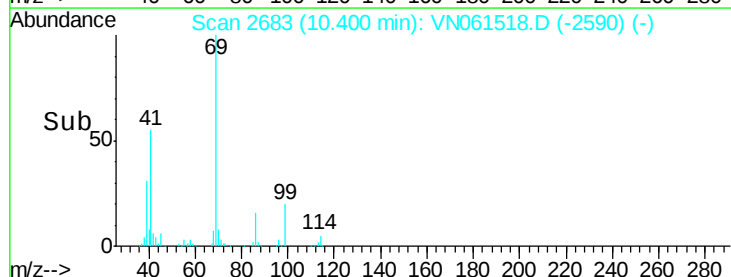
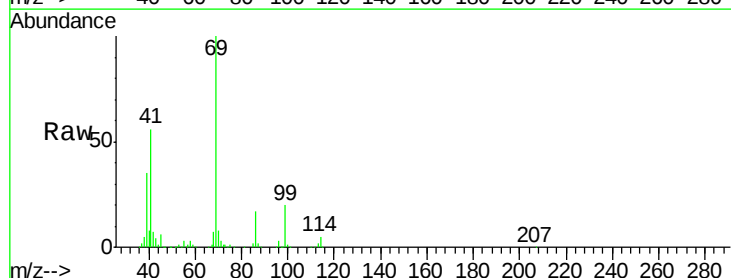
Manual Integrations
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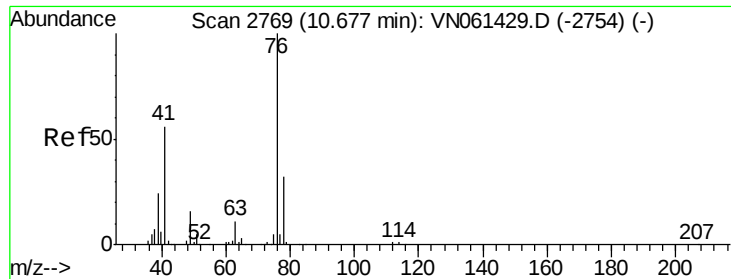
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#56
 Ethyl methacrylate
 Concen: 46.393 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion:	69	Resp:	279663
Ion	Ratio	Lower	Upper
69	100		
41	55.3	48.3	72.5
39	34.7	30.2	45.2





#57

1,3-Dichloropropane

Concen: 45.995 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 306493

Ion Ratio Lower Upper

76 100

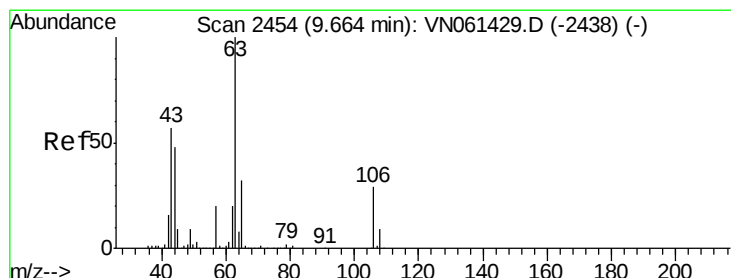
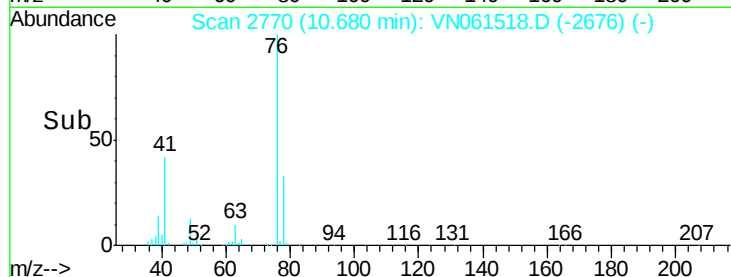
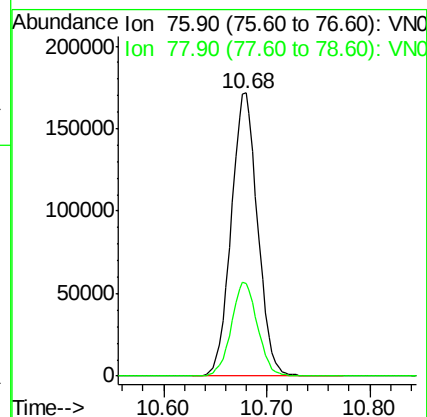
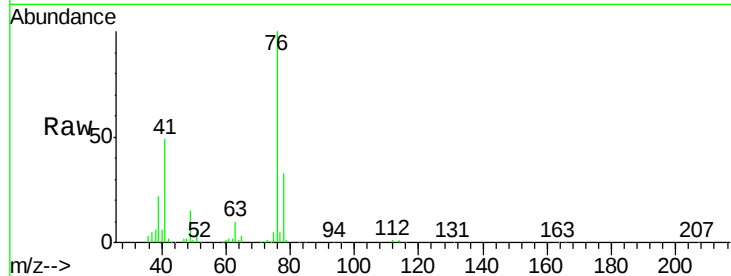
78 32.8 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 228.794 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061518.D

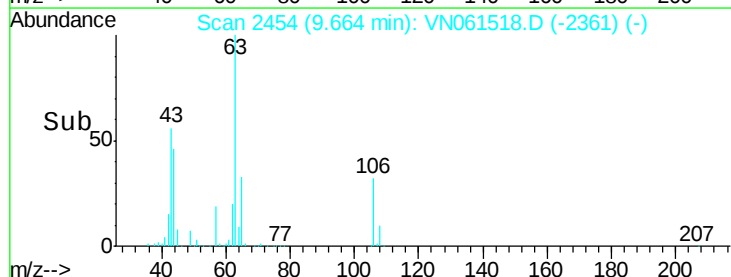
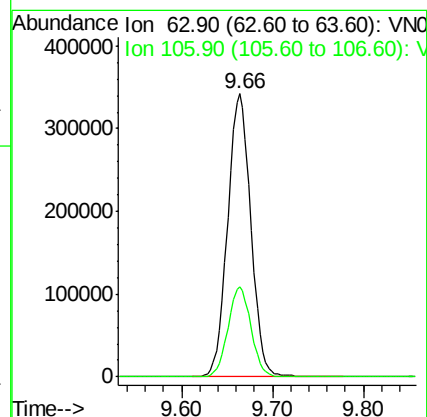
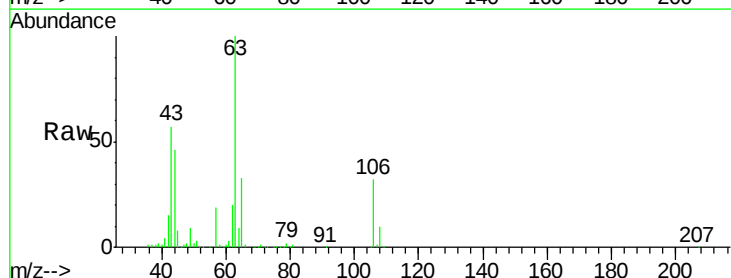
Acq: 20 May 2020 22:07

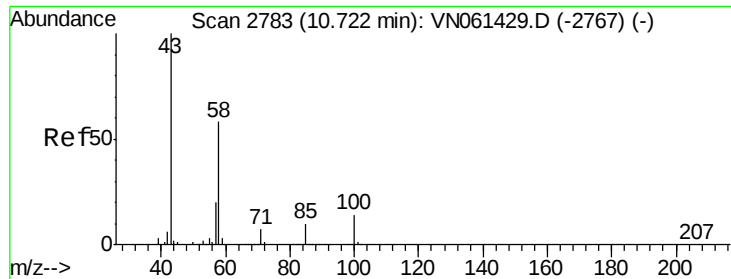
Tgt Ion: 63 Resp: 605382

Ion Ratio Lower Upper

63 100

106 31.7 22.7 34.1





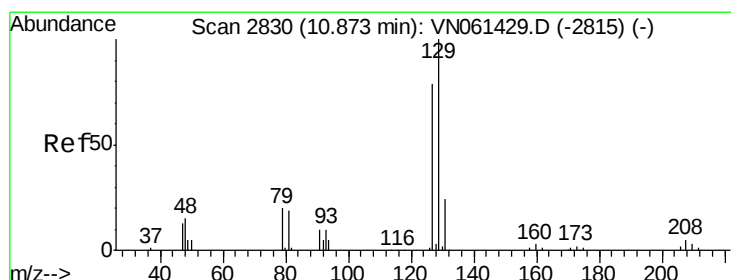
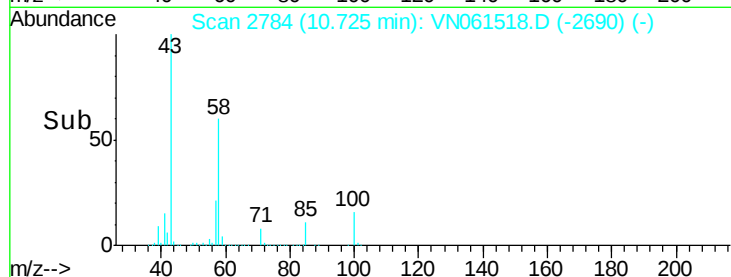
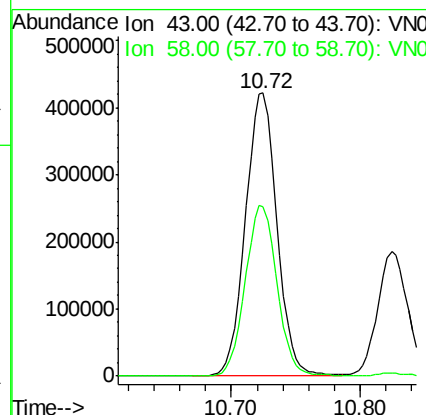
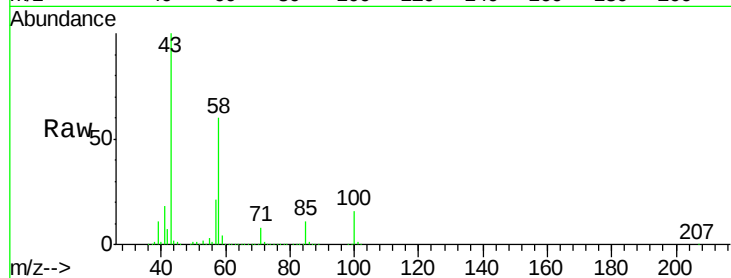
#59
2-Hexanone
Concen: 217.912 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.2	29.2	87.6

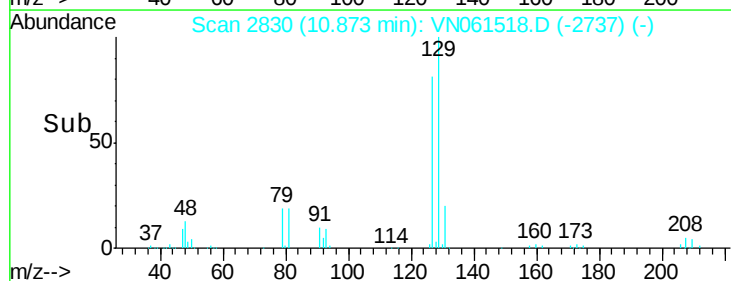
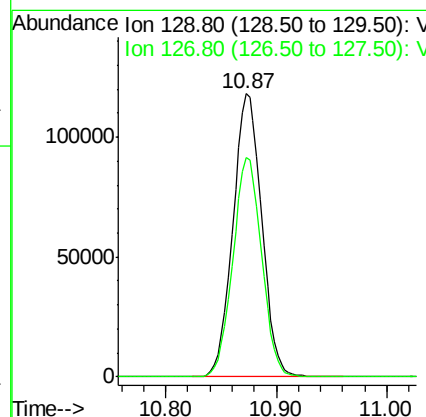
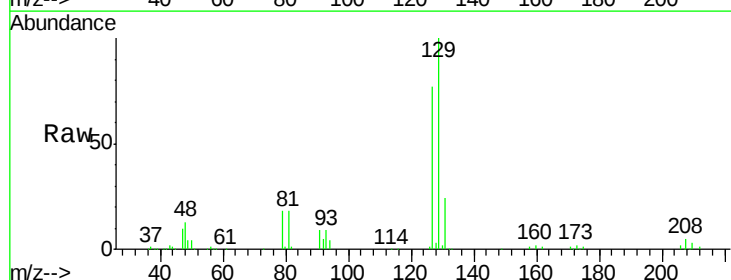
Manual Integrations
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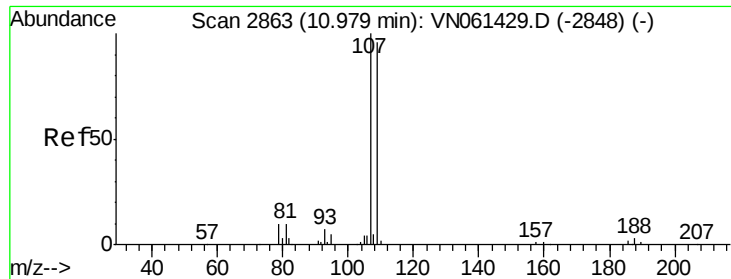
MMDadoda
5/21/2020 1:16:19 PM



#60
Dibromochloromethane
Concen: 50.131 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.8	116.3





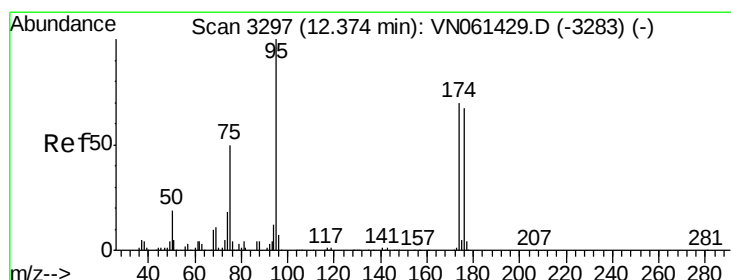
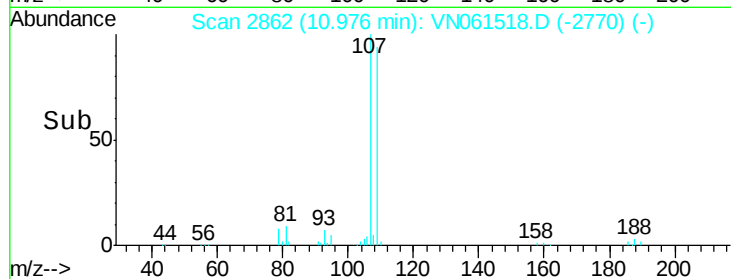
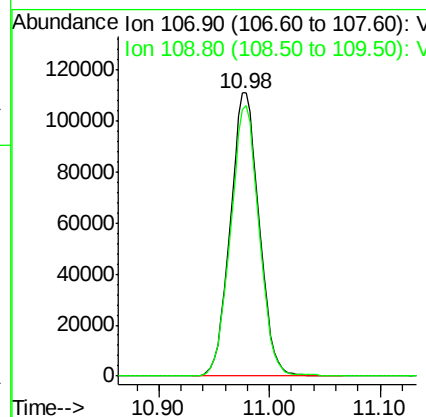
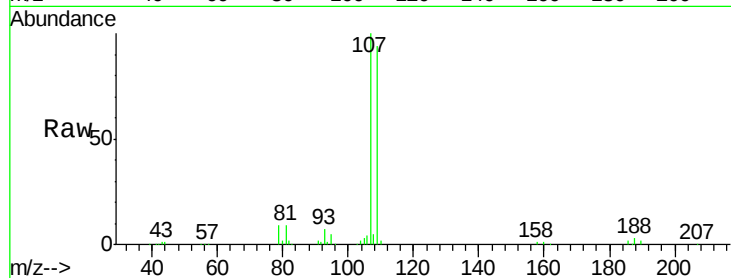
#61
 1,2-Dibromoethane
 Concen: 49.548 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 200873
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5

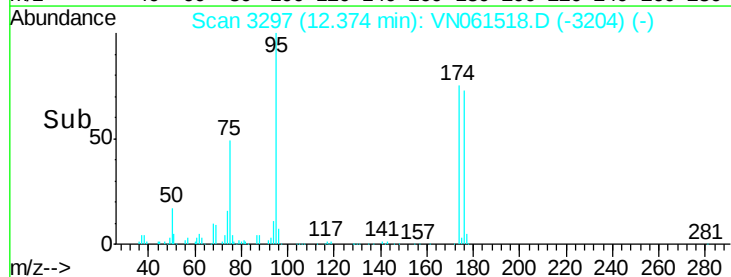
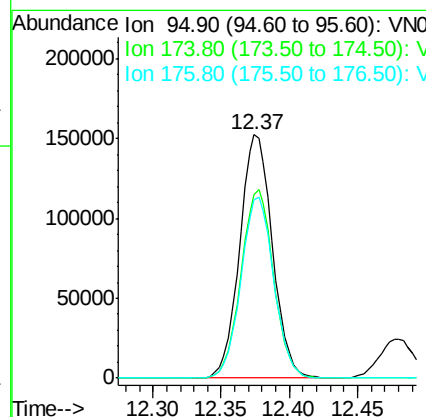
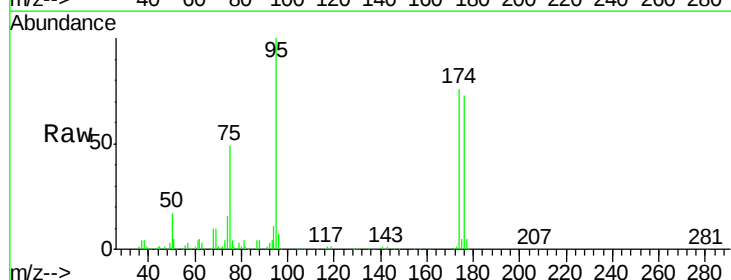
Manual Integrations
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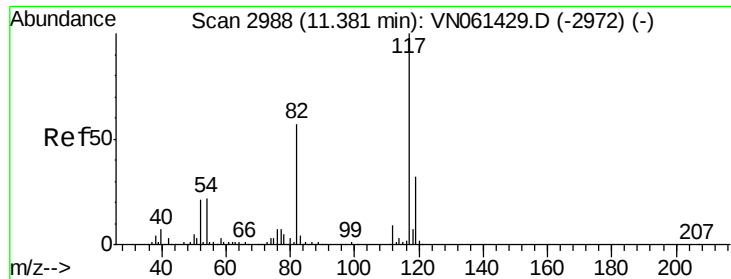
MMDadoda
 5/21/2020 1:16:19 PM



#62
 4-Bromofluorobenzene
 Concen: 49.512 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion: 95 Resp: 253389
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 141.2
 176 74.5 0.0 137.6





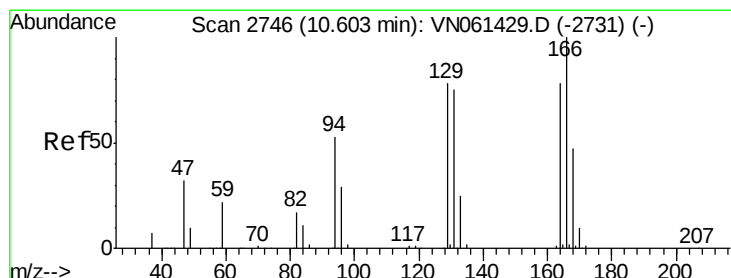
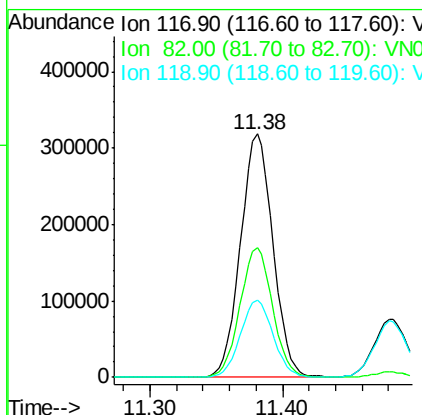
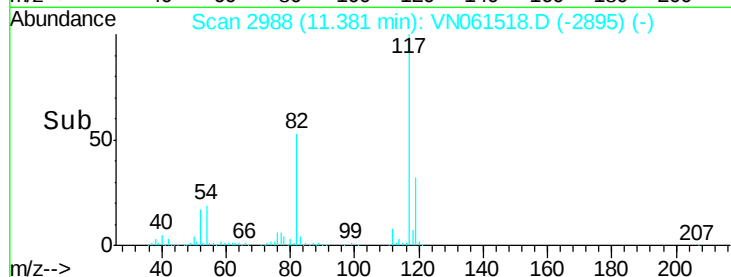
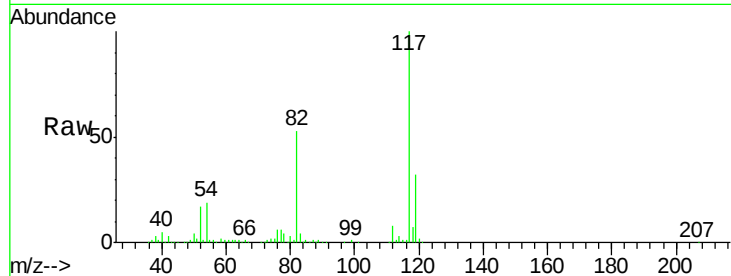
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	541645		
82	53.2		45.2	67.8
119	31.7		25.3	37.9

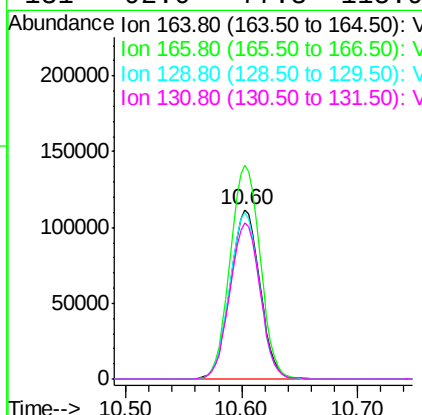
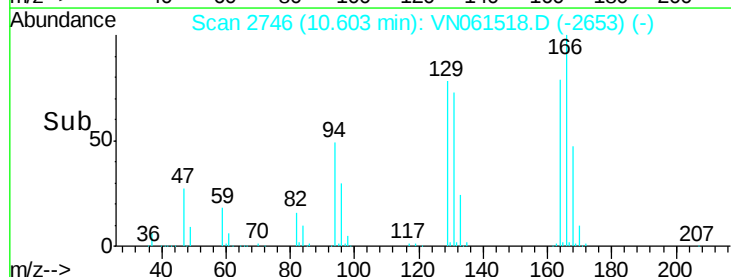
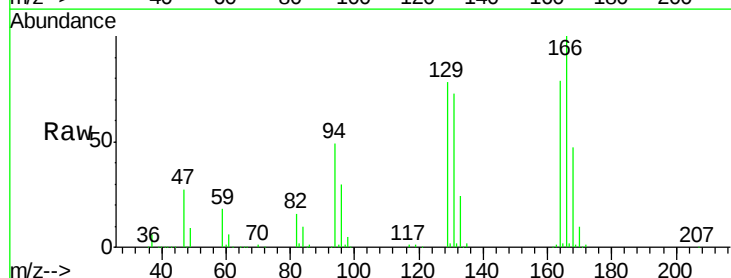
Manual Integrations
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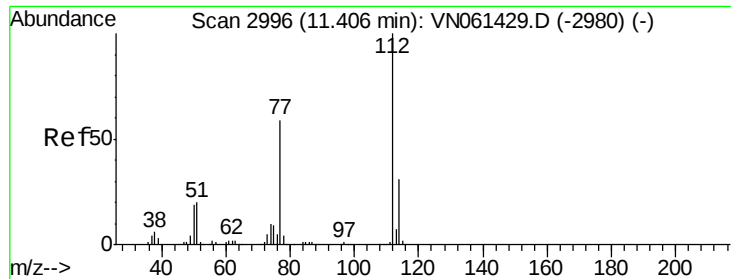
MMDadoda
5/21/2020 1:16:19 PM



#64
Tetrachloroethene
Concen: 47.116 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197437		
166	126.0		103.2	154.8
129	98.1		81.0	121.4
131	92.0		77.3	115.9





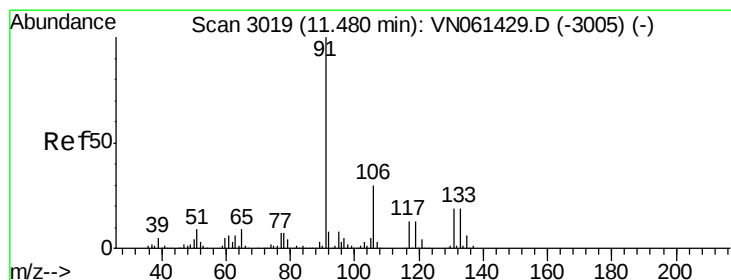
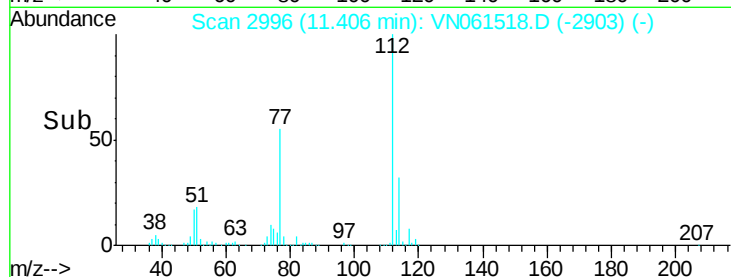
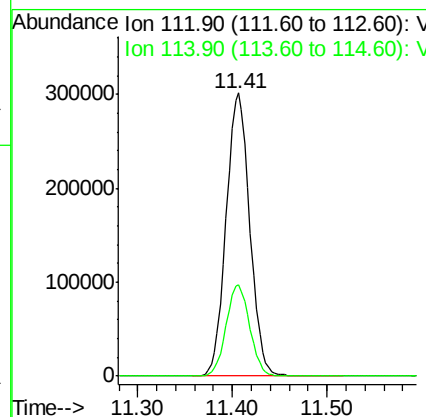
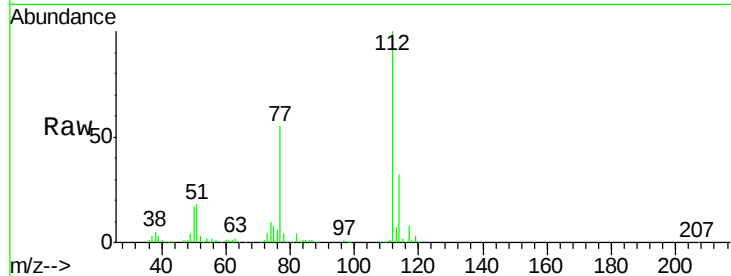
#65
Chlorobenzene
Concen: 47.410 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.0	37.6

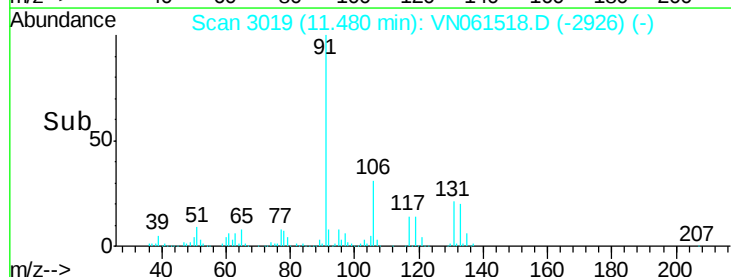
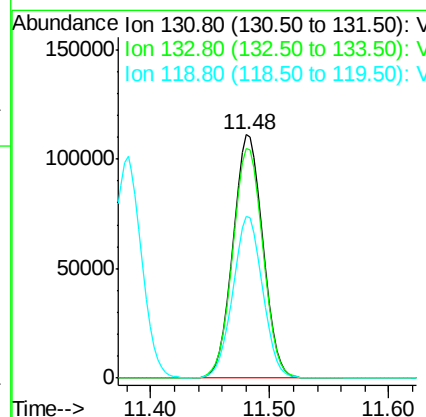
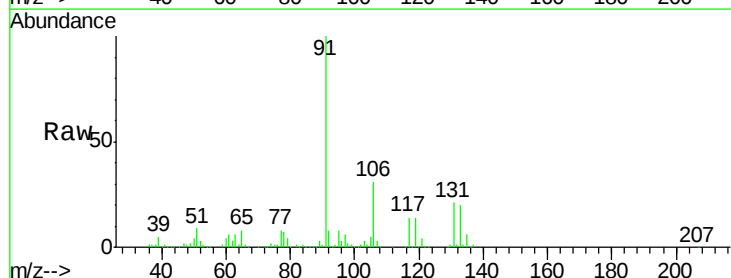
Manual Integrations
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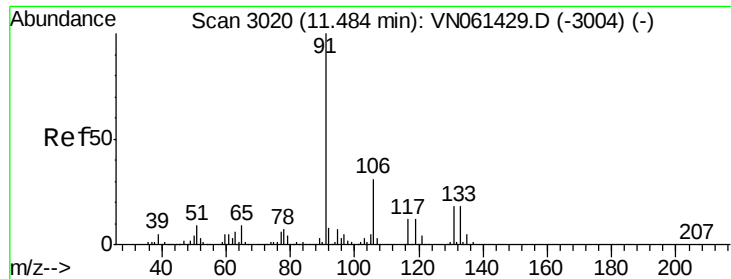
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.928 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.7	146.1
119	66.1	33.8	101.3





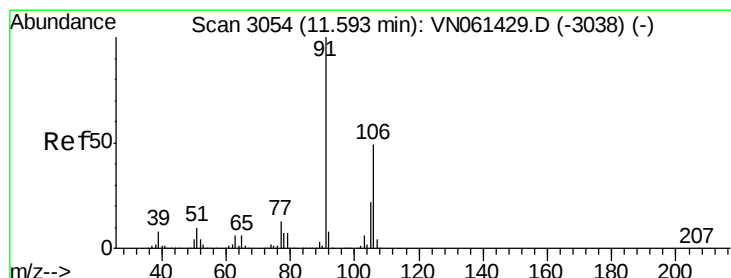
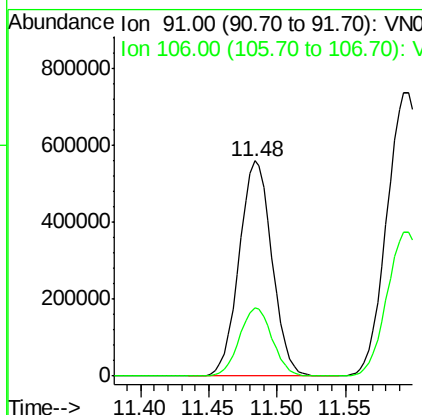
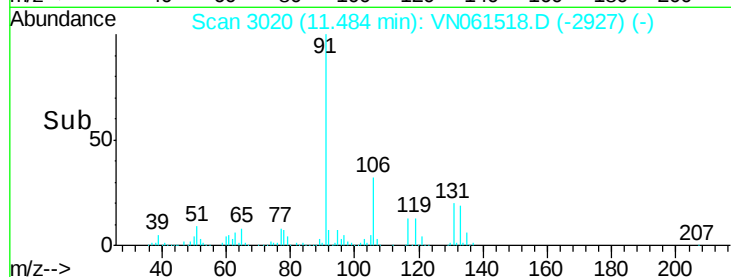
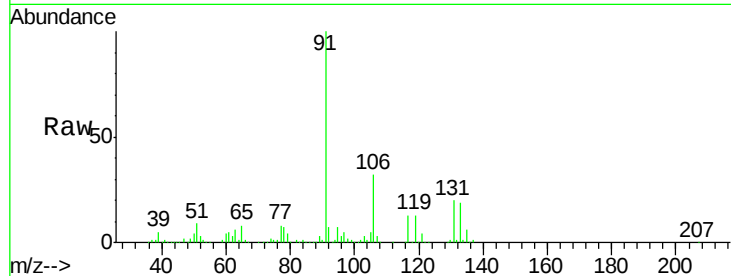
#67
Ethyl Benzene
Concen: 46.353 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 934570
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

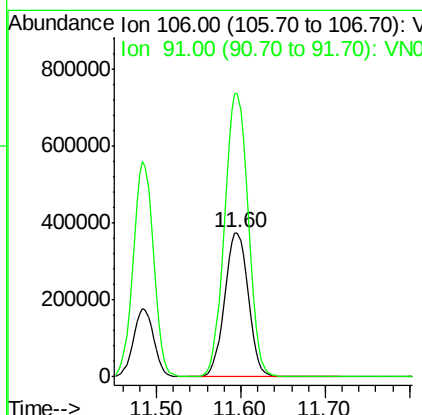
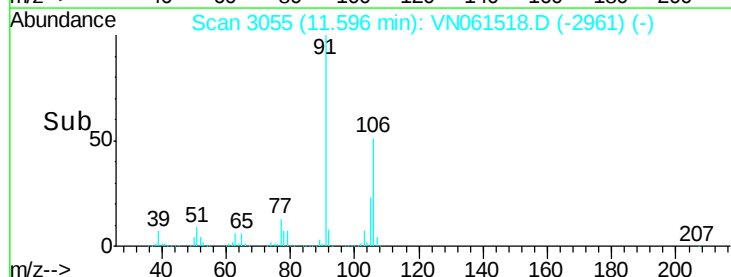
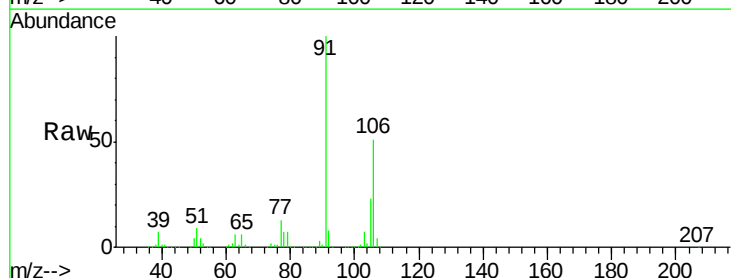
Manual Integrations
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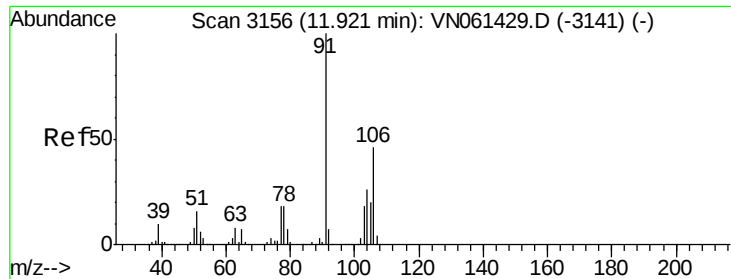
MMDadoda
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#68
m/p-Xylenes
Concen: 95.319 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion: 106 Resp: 729474
Ion Ratio Lower Upper
106 100
91 197.1 163.0 244.6





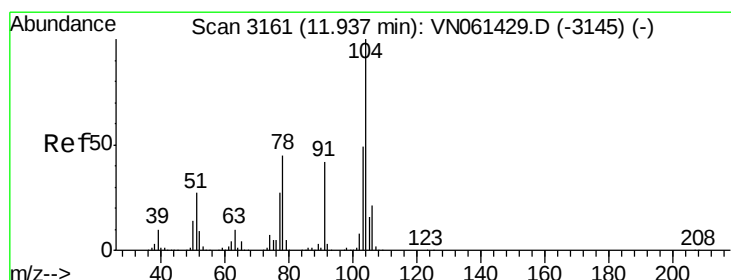
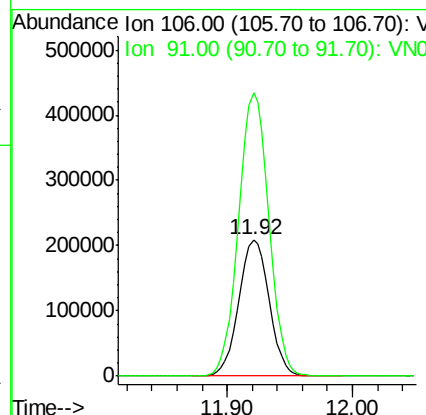
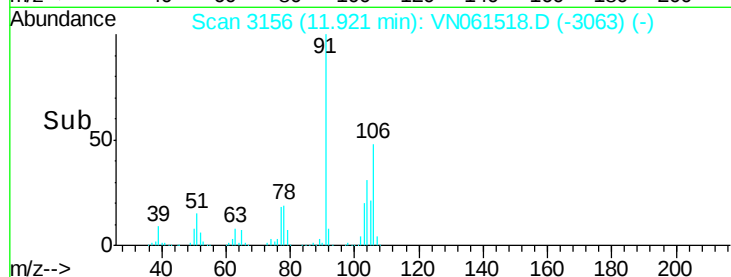
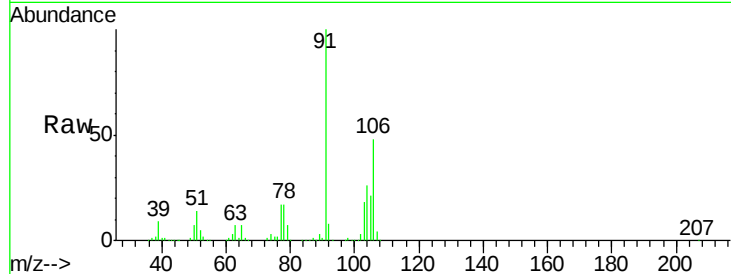
#69
o-Xylene
Concen: 47.510 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.0	107.9	351859	323.7	

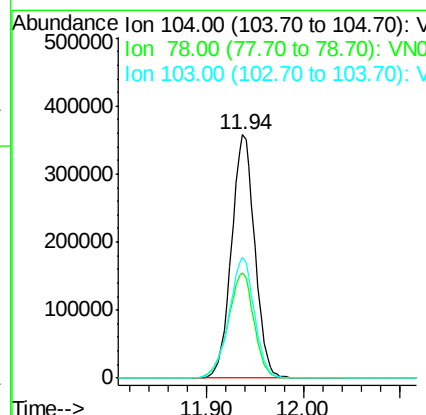
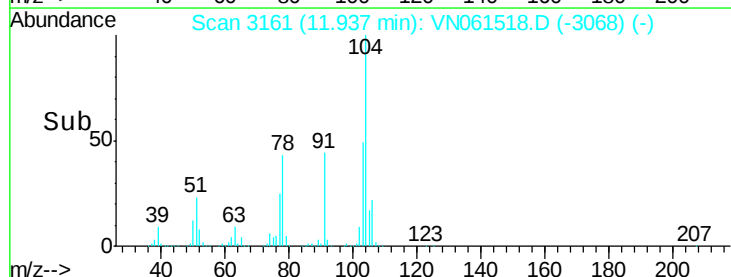
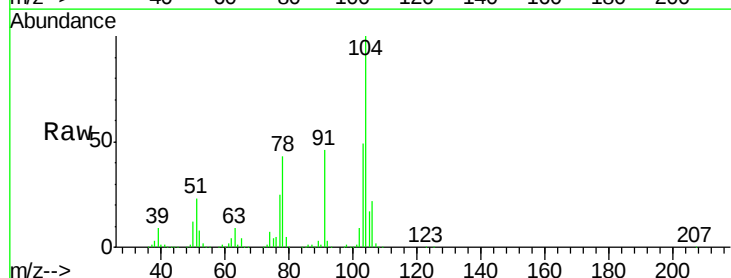
Manual Integrations
APPROVED

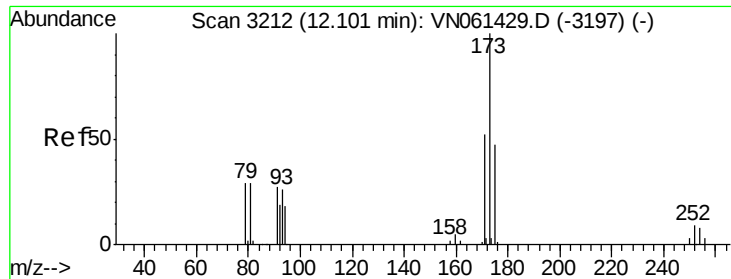
MMDadoda
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#70
Styrene
Concen: 48.802 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.9	40.7	598504	61.1	
103	53.5	43.0		64.4	





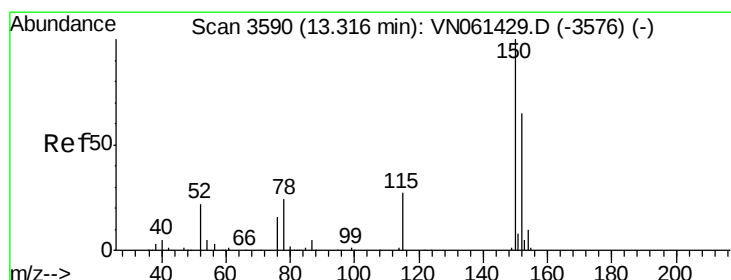
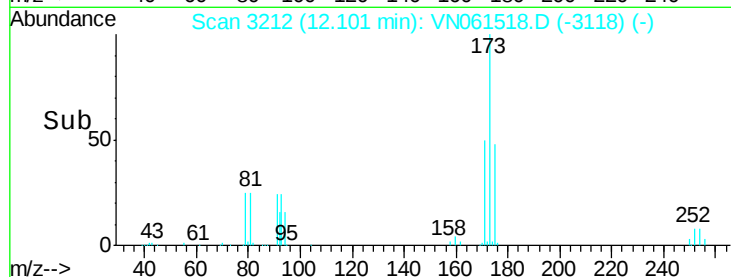
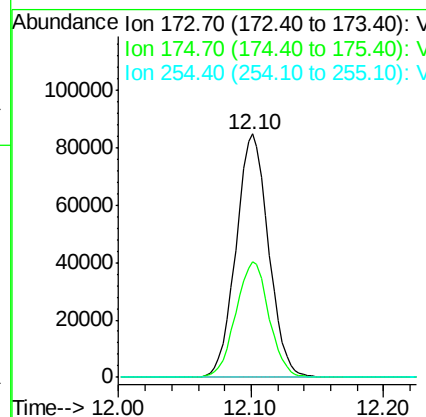
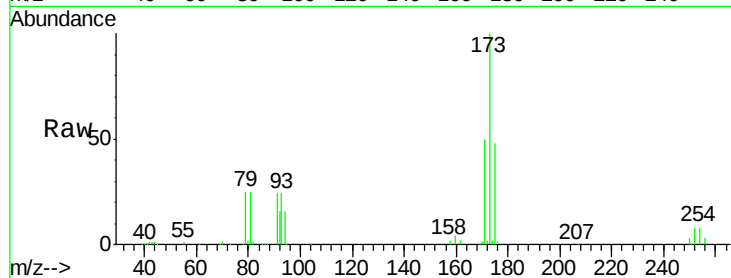
#71
Bromoform
Concen: 47.037 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.9	71.8
254	0.0	0.0	0.0

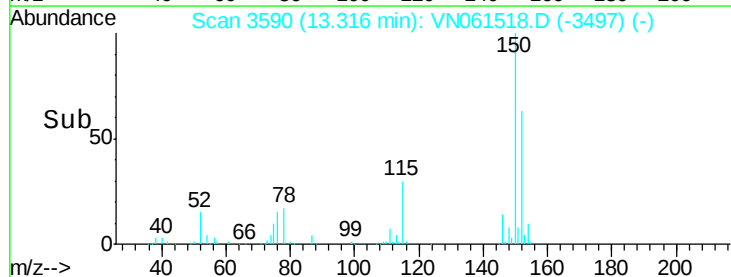
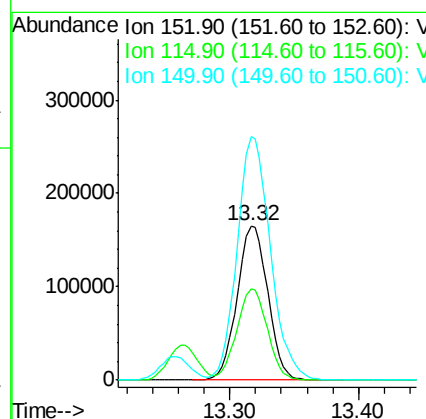
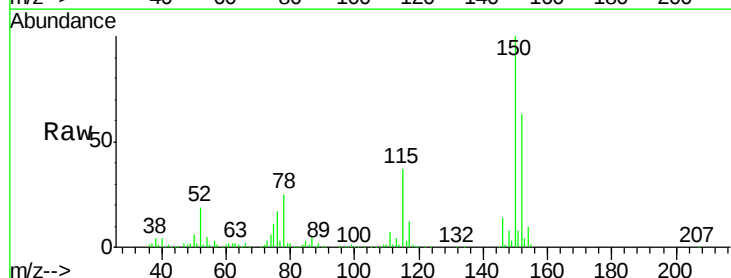
Manual Integrations
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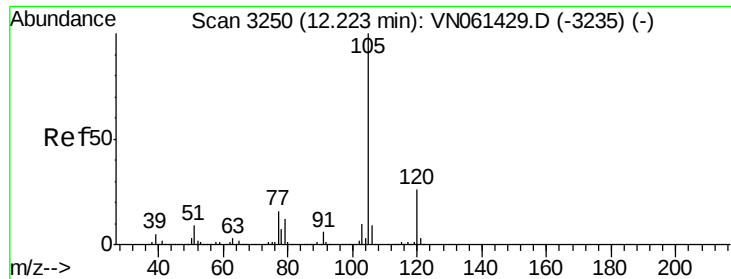
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.9	92.5
150	171.9	0.0	349.2





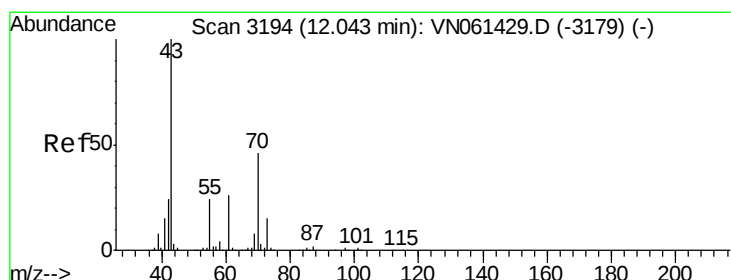
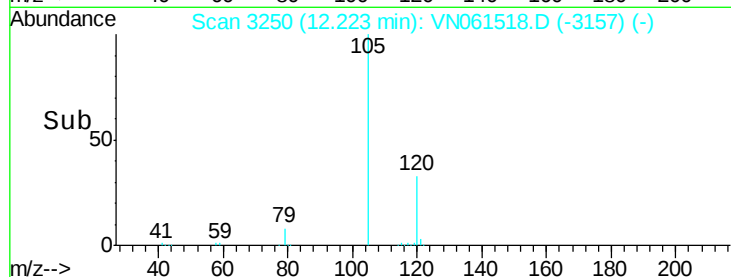
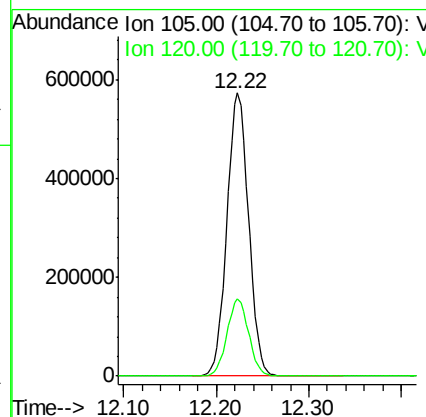
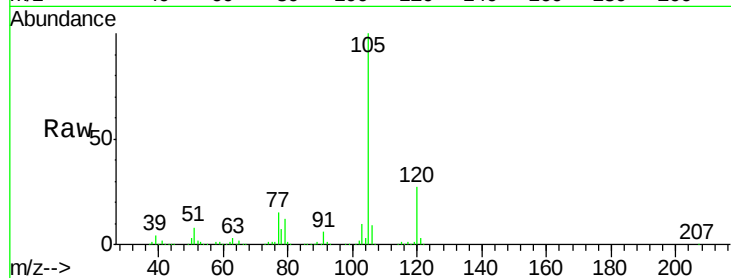
#73
Isopropylbenzene
Concen: 42.283 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.0	39.0

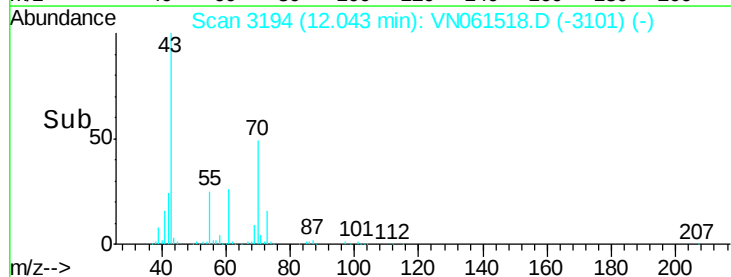
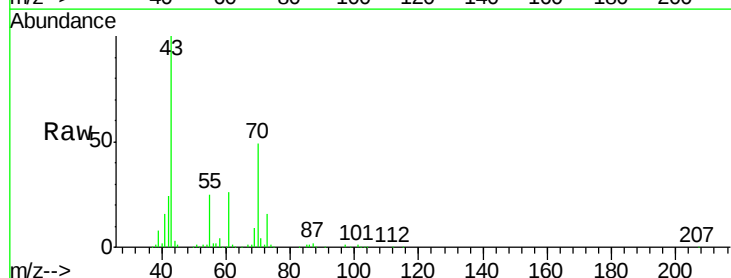
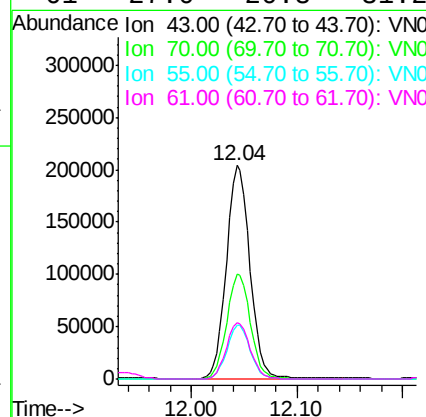
Manual Integrations
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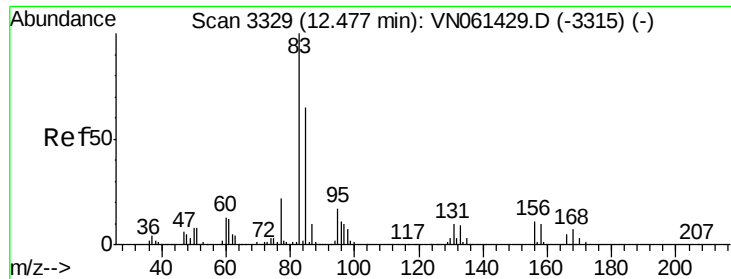
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#74
N-ethyl acetate
Concen: 39.193 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.7	37.0	55.4
55	25.2	19.5	29.3
61	27.0	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 42.509 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

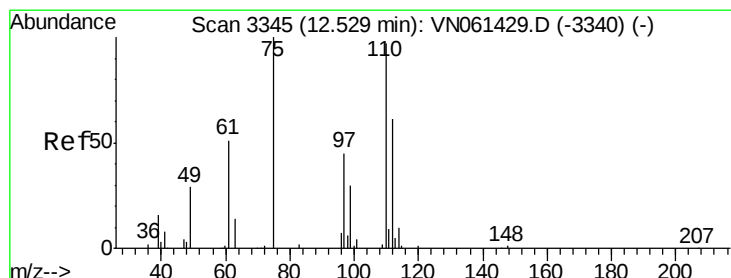
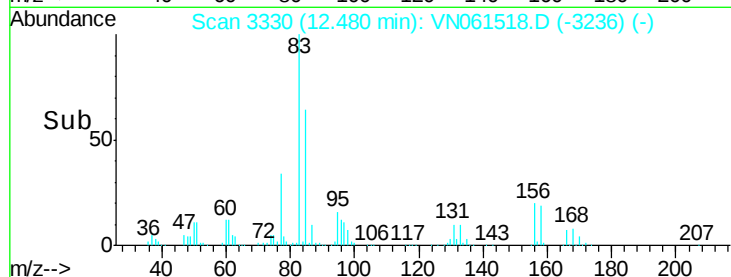
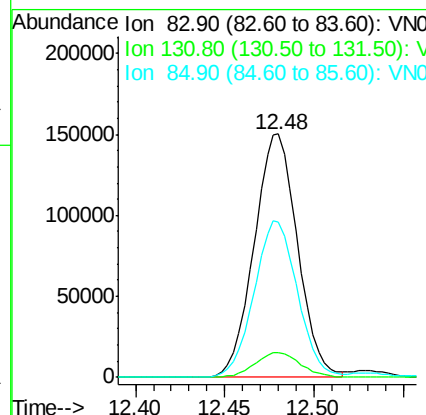
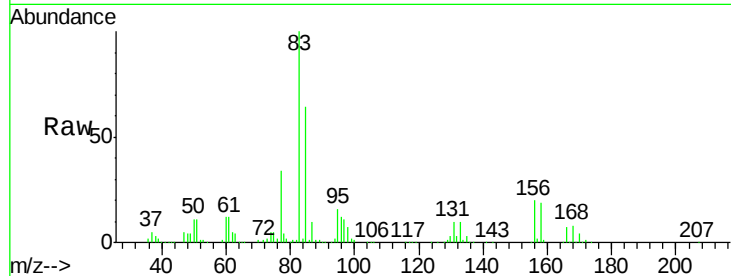
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	255906
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.8	14.4
85	64.0	32.1	96.5

Manual Integrations
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5/21/2020 1:16:19 PM



#76

1,2,3-Trichloropropane

Concen: 44.547 ug/l m

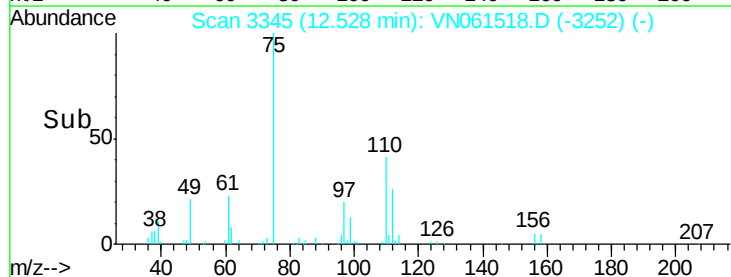
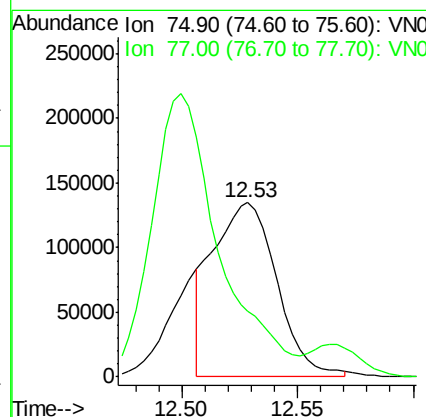
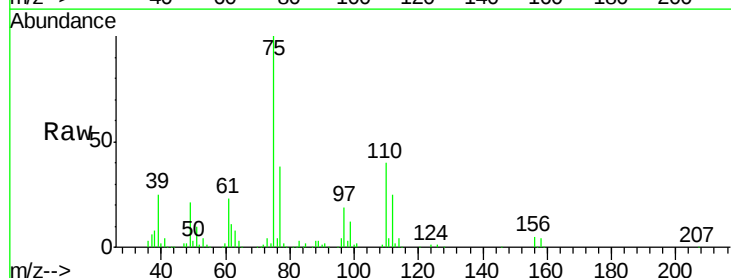
RT: 12.53 min Scan# 3345

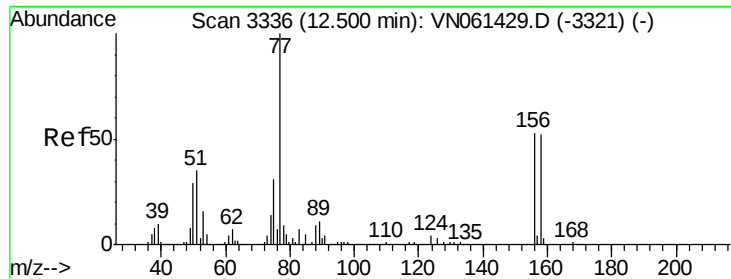
Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	75	Resp:	260531
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





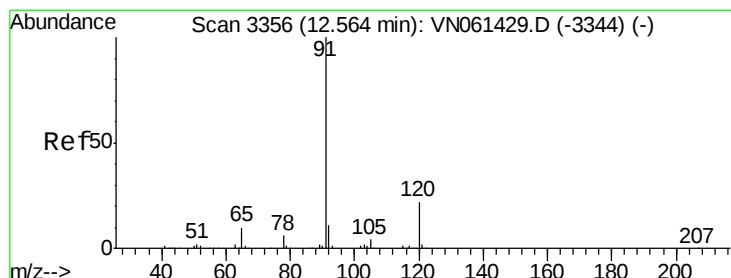
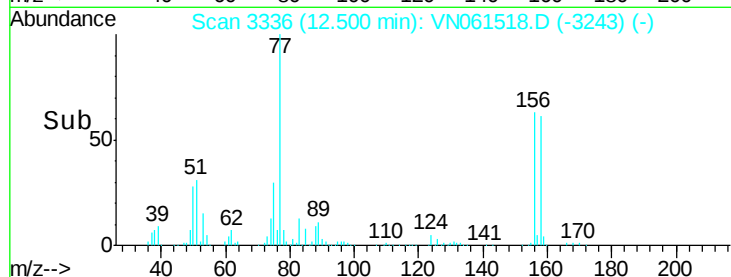
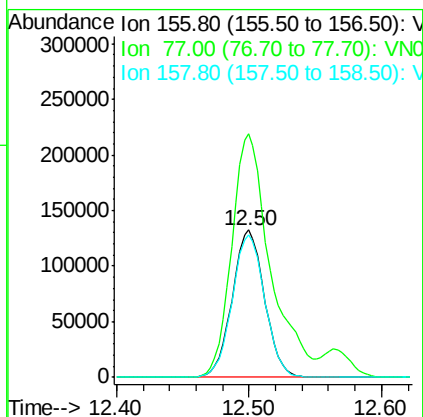
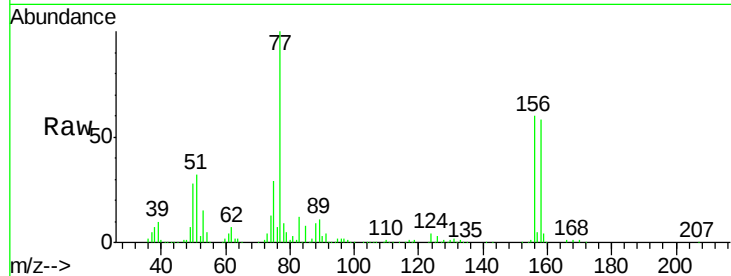
#77
Bromobenzene
Concen: 47.133 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.9	112.3	336.9
158	97.6	47.9	143.6

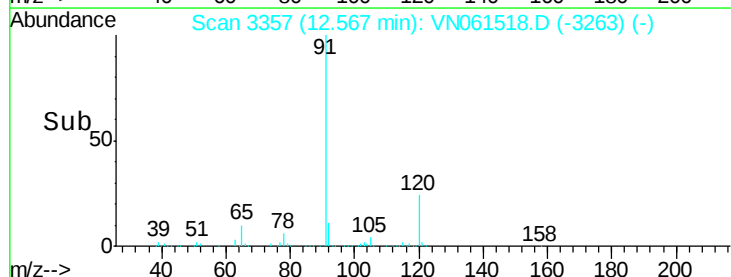
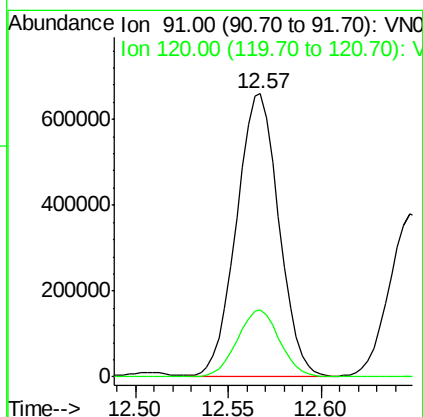
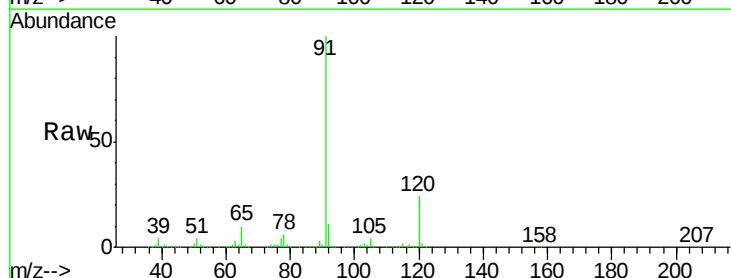
Manual Integrations
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#78
n-propylbenzene
Concen: 41.627 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.6





#79

2-Chlorotoluene

Concen: 41.807 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 616088

Ion Ratio Lower Upper

91 100

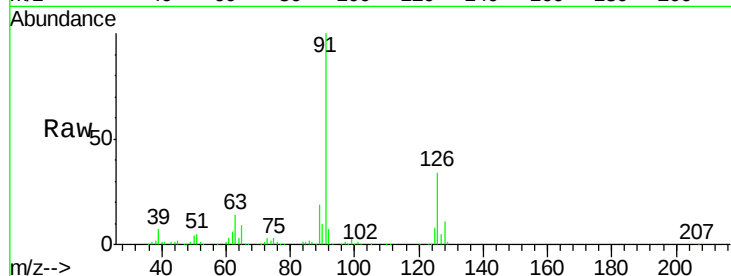
126 34.8 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3370) (-)

600000

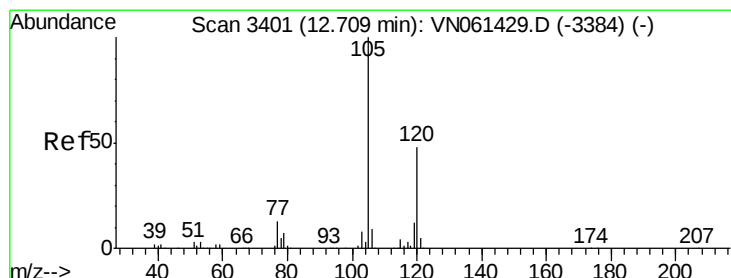
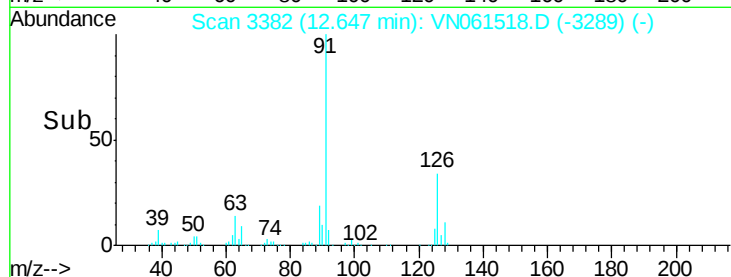
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 43.110 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061518.D

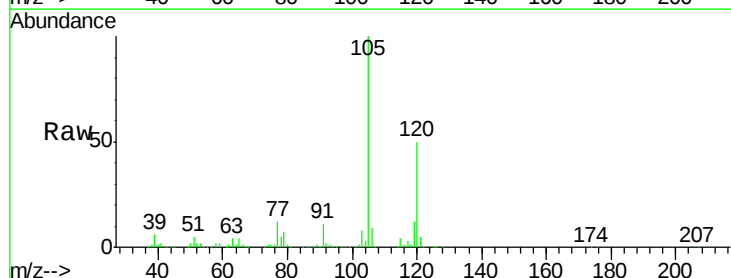
Acq: 20 May 2020 22:07

Tgt Ion: 105 Resp: 772357

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN061429.D (-3384) (-)

500000

400000

300000

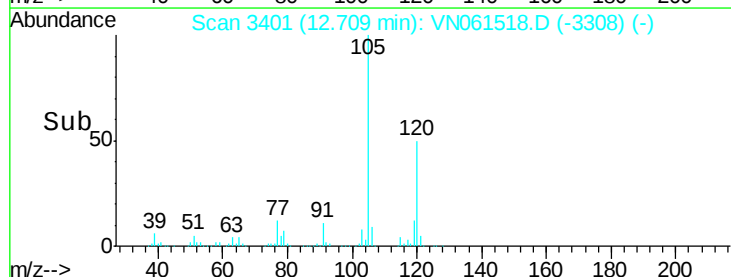
200000

100000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 40.143 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

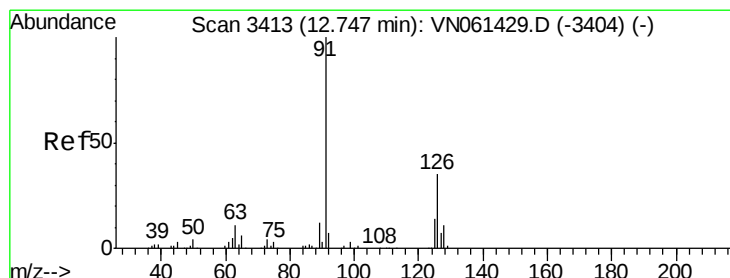
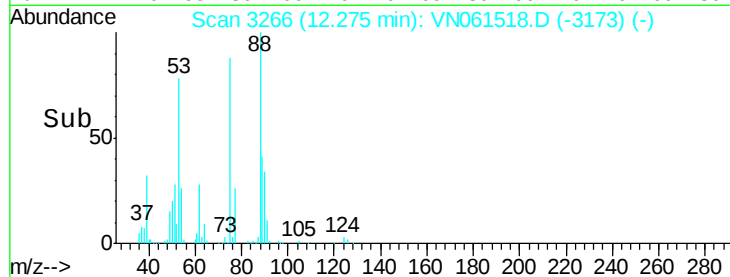
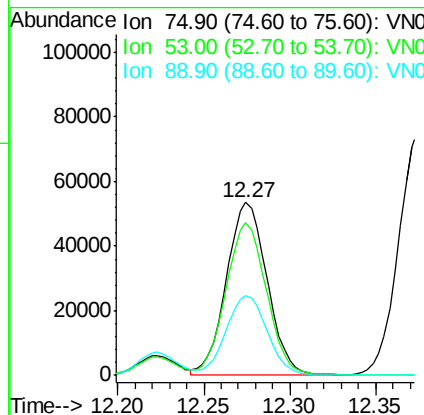
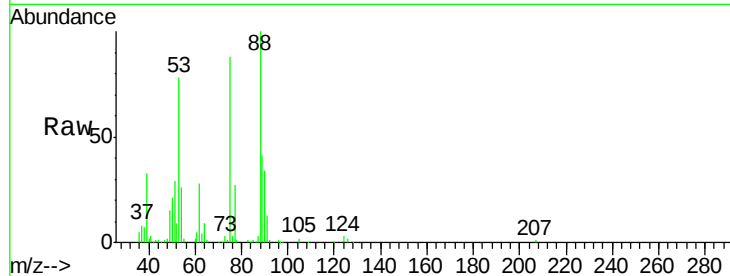
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	88501
Ion	Ratio	Lower	Upper
75	100		
53	88.5	75.2	112.8
89	46.7	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 42.731 ug/l

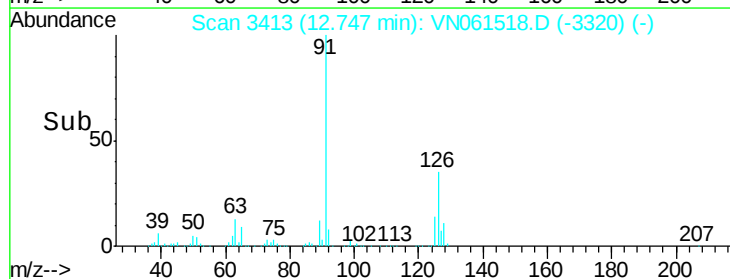
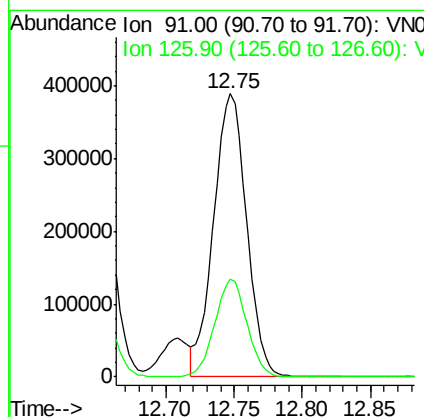
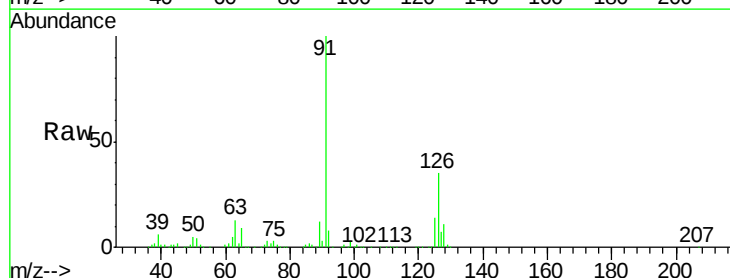
RT: 12.75 min Scan# 3413

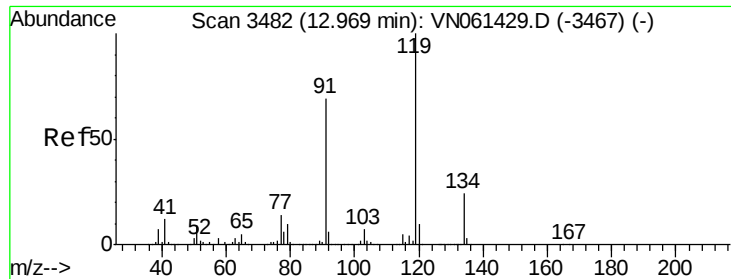
Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	91	Resp:	652014
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.1	48.2





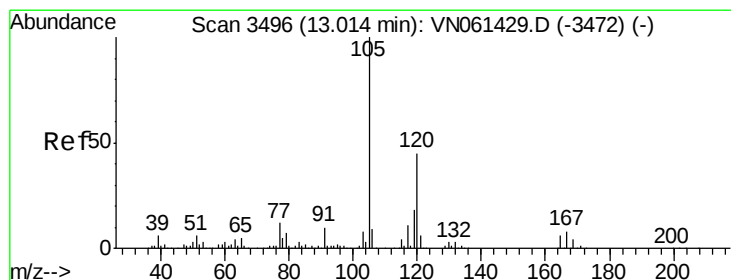
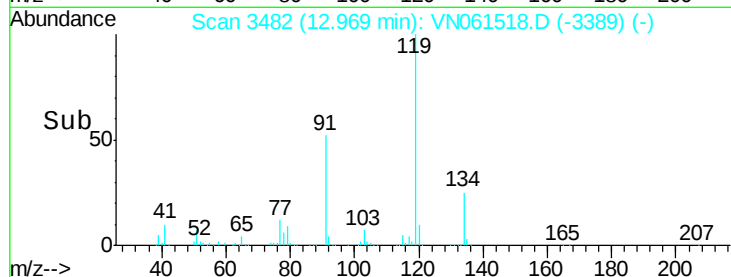
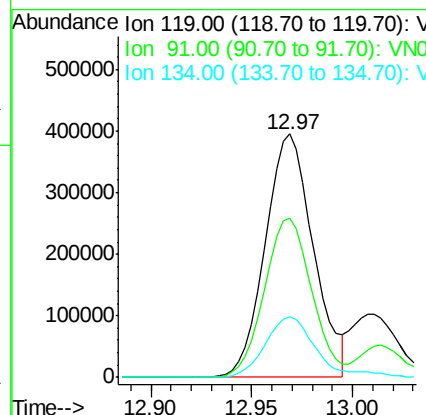
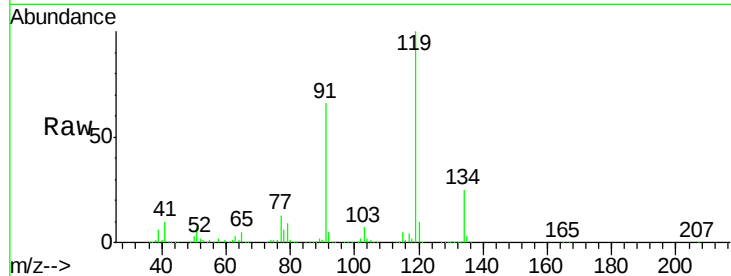
#83
 tert-Butylbenzene
 Concen: 42.728 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.7	101.0
134	26.5	12.8	38.3

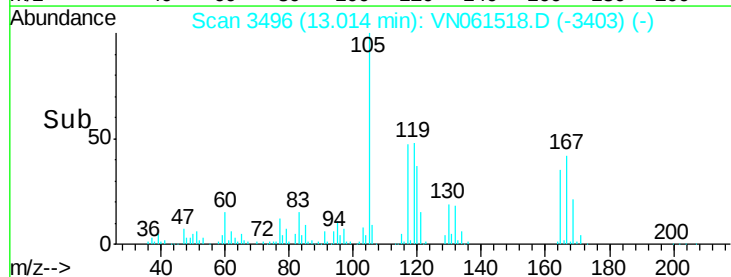
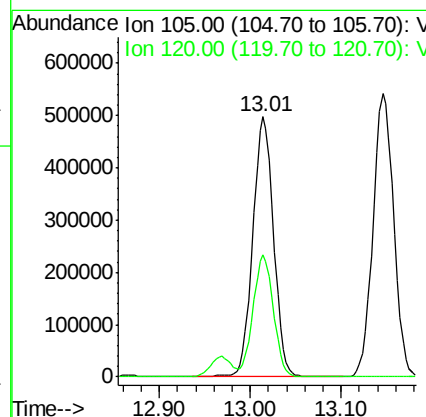
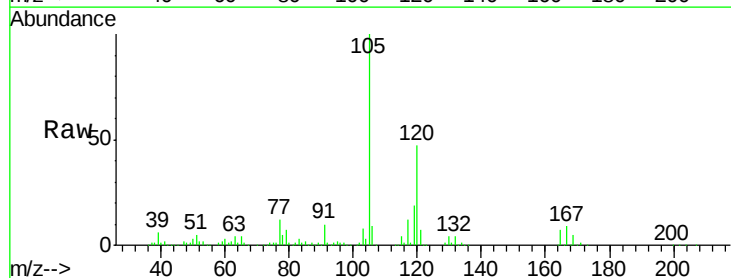
Manual Integrations
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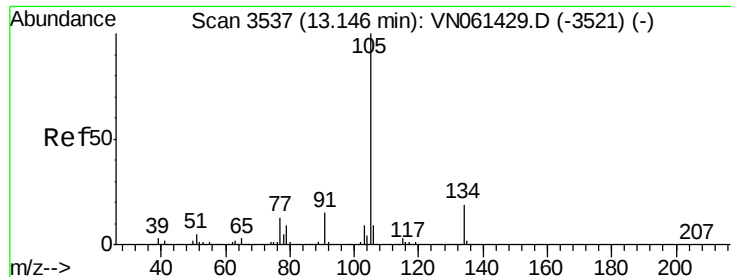
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 43.982 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.3





#85

sec-Butylbenzene

Concen: 41.046 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 851766

Ion Ratio Lower Upper

105 100

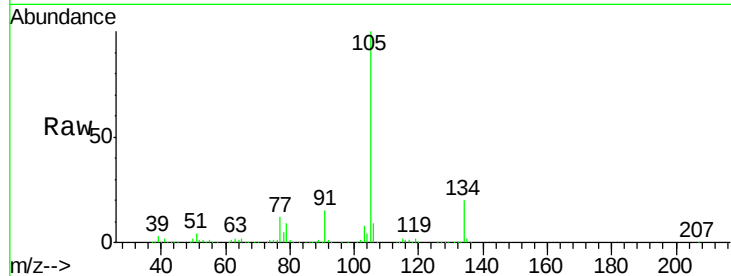
134 20.4 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

600000

500000

400000

300000

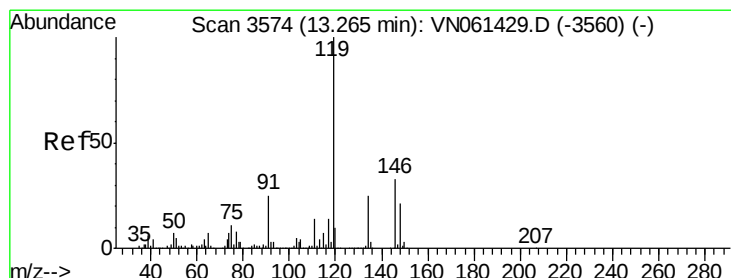
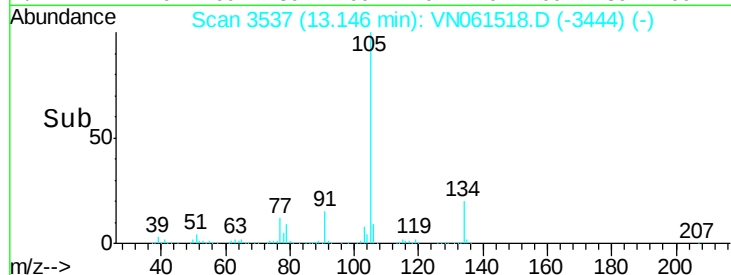
200000

100000

0

13.10 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 42.492 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

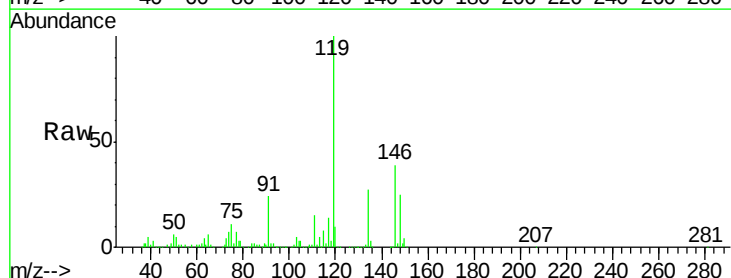
Tgt Ion:119 Resp: 783007

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

91 23.5 12.6 37.6



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

13.26

600000

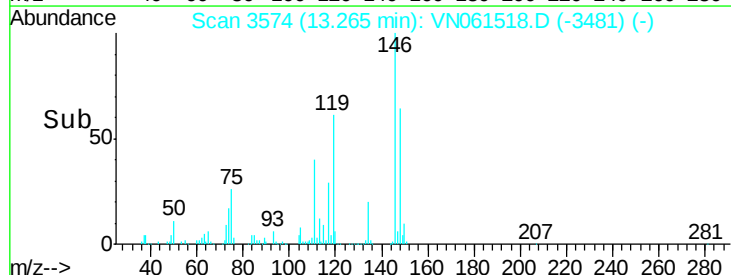
400000

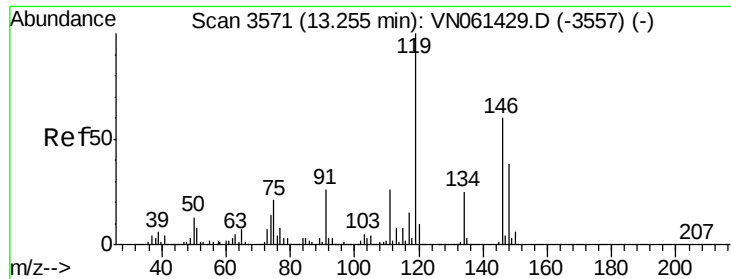
200000

0

13.20 13.25 13.30 13.35

Time-->





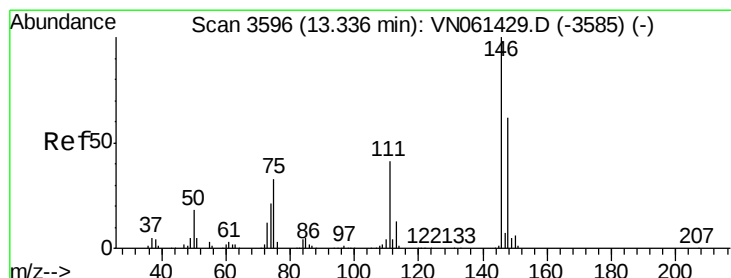
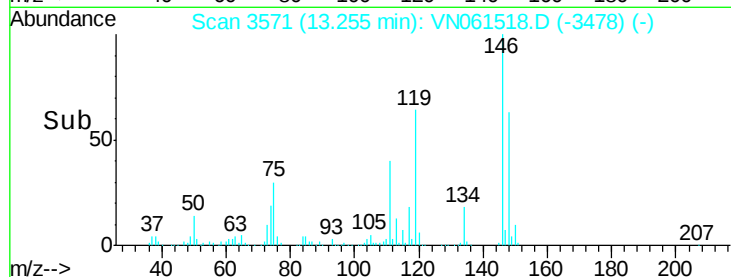
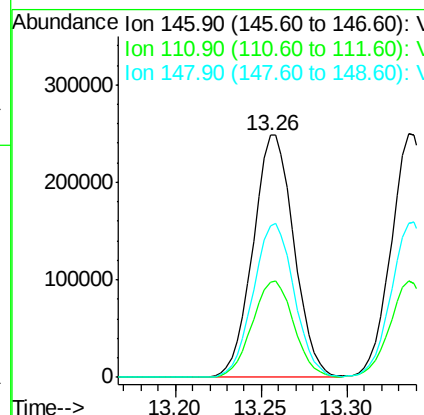
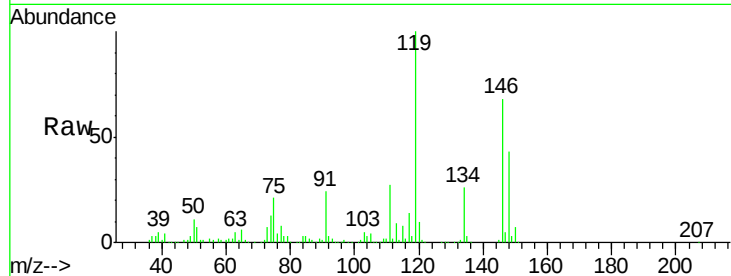
#87
 1,3-Dichlorobenzene
 Concen: 47.217 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.5	64.5
148	63.7	31.8	95.3

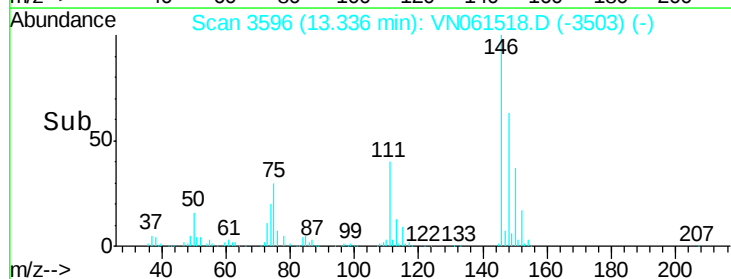
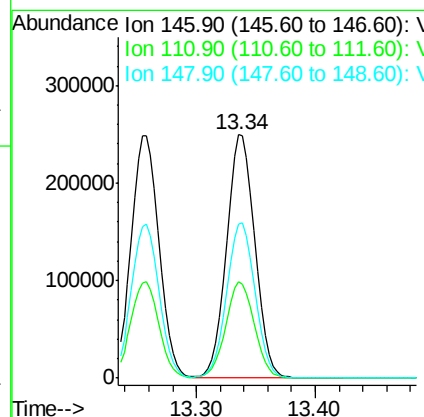
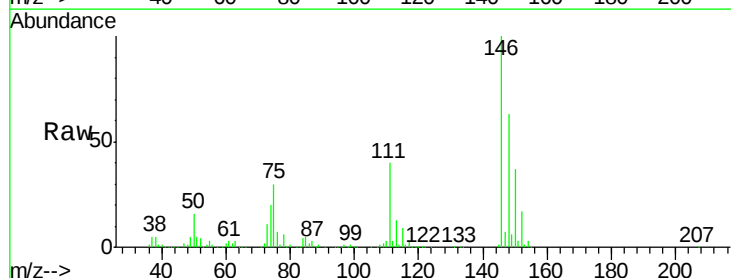
Manual Integrations
 APPROVED

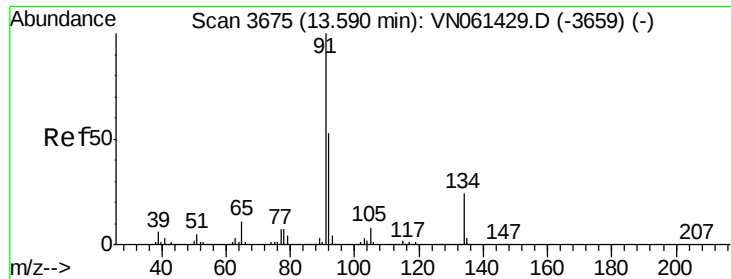
MMDadoda
 5/21/2020 1:16:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.225 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.5
148	64.3	31.6	94.8





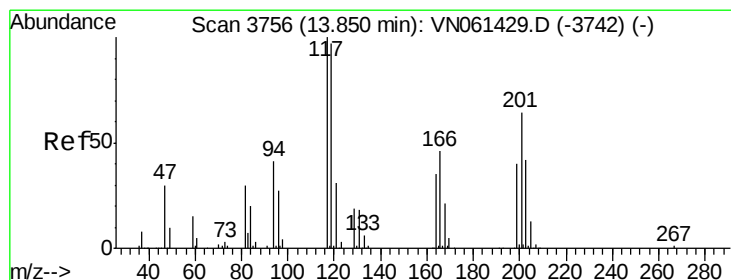
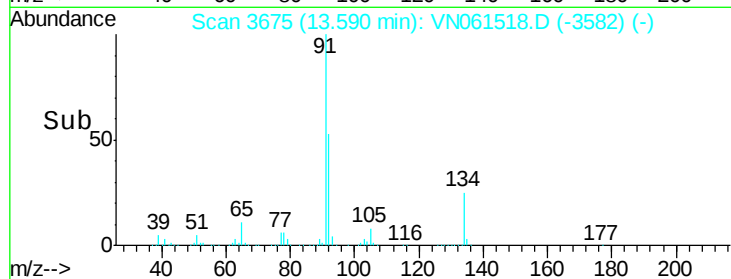
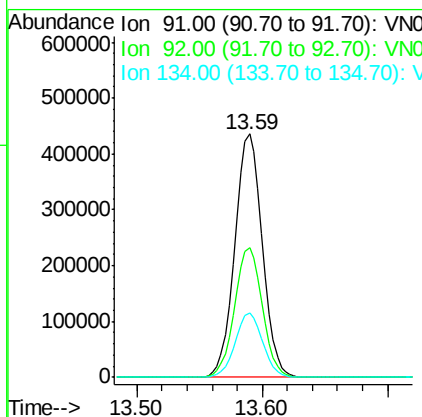
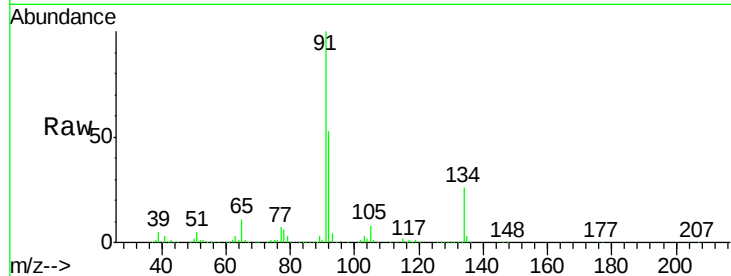
#89
n-Butylbenzene
Concen: 39.552 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.3
134	26.4	12.4	37.4

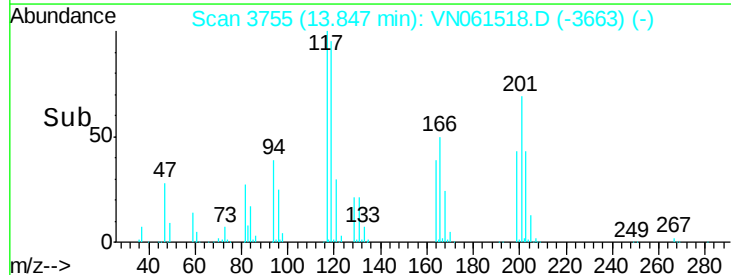
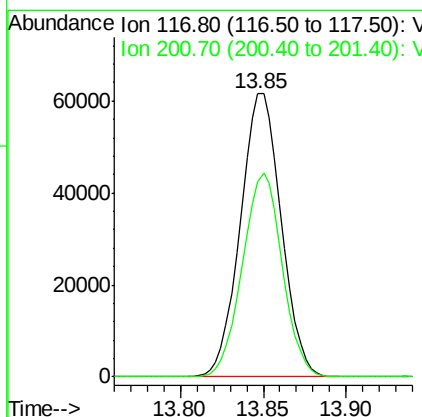
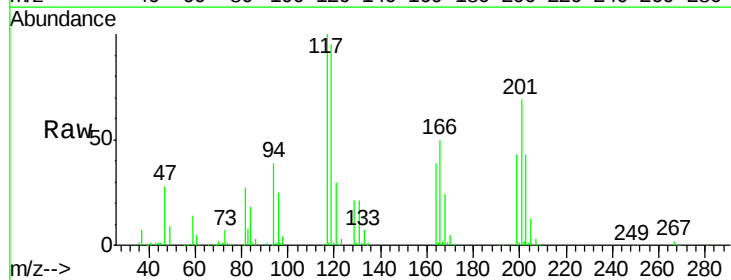
Manual Integrations
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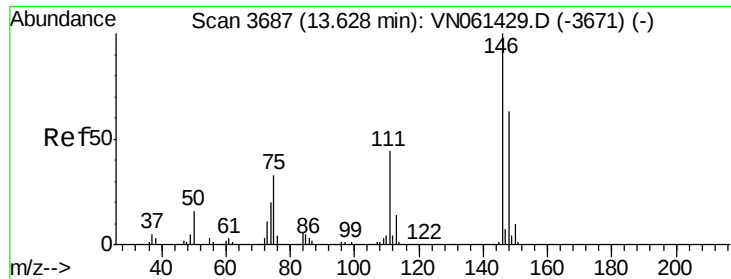
MMDadoda
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#90
Hexachloroethane
Concen: 42.387 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061518.D
Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	32.9	98.7





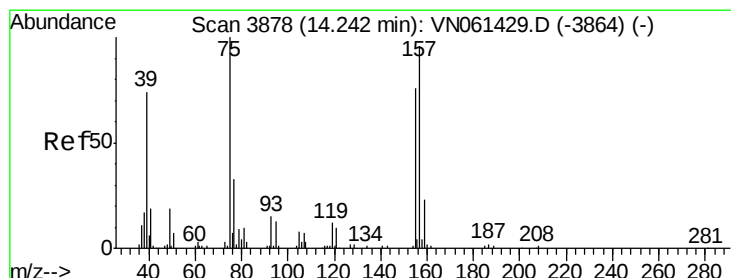
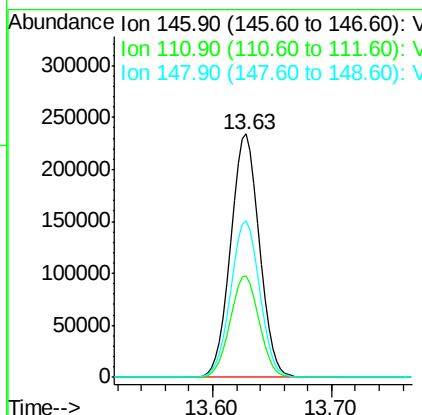
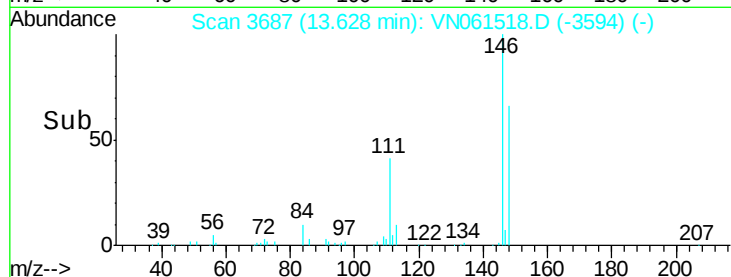
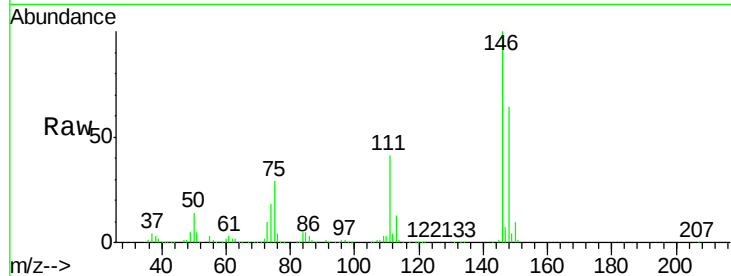
#91
 1,2-Dichlorobenzene
 Concen: 47.083 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	65.0	31.6	94.7

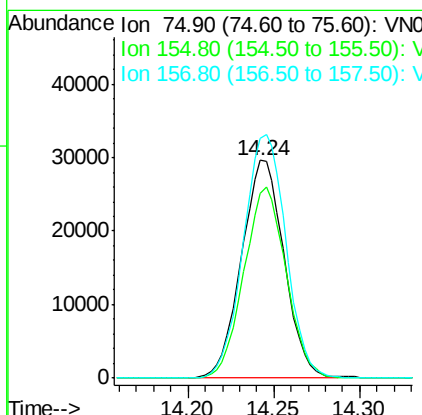
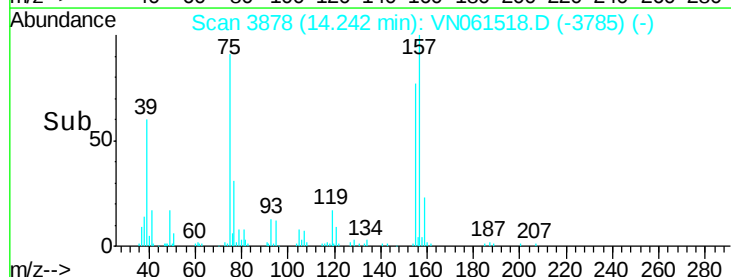
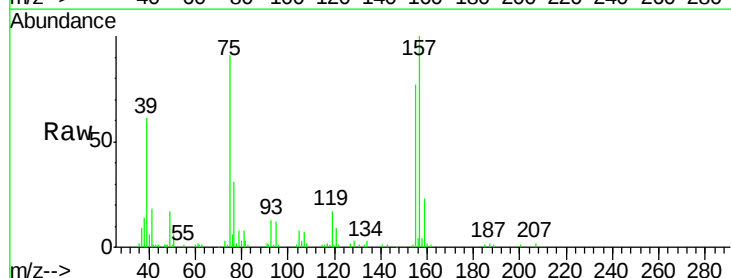
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.850 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	38.9	116.7
157	111.8	48.6	145.8





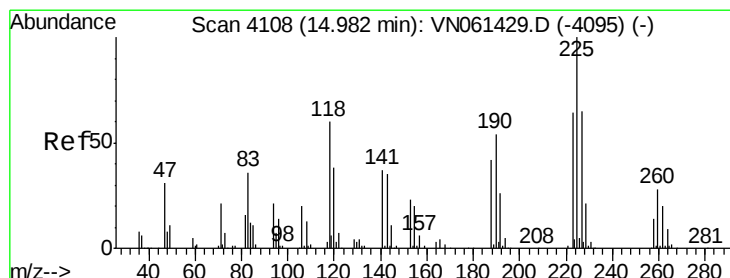
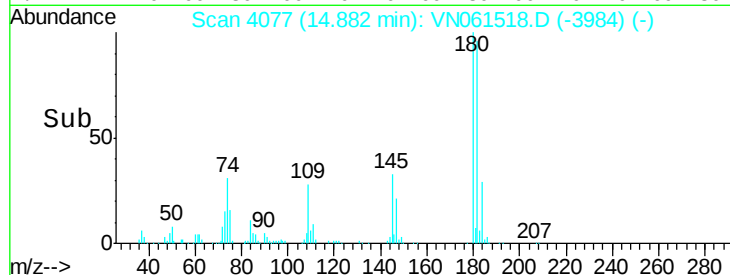
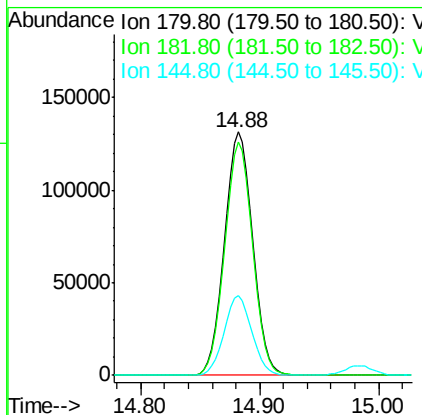
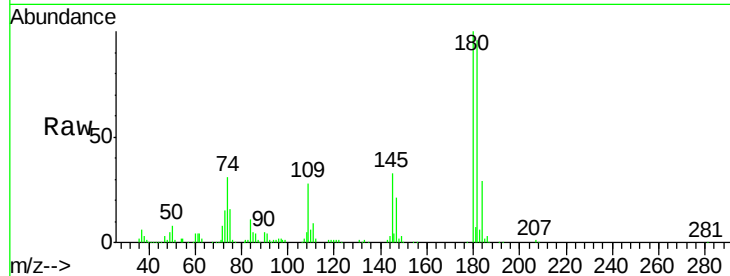
#93
 1,2,4-Trichlorobenzene
 Concen: 47.792 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216029		
182	94.7	47.0	141.0	
145	32.2	16.7	50.0	

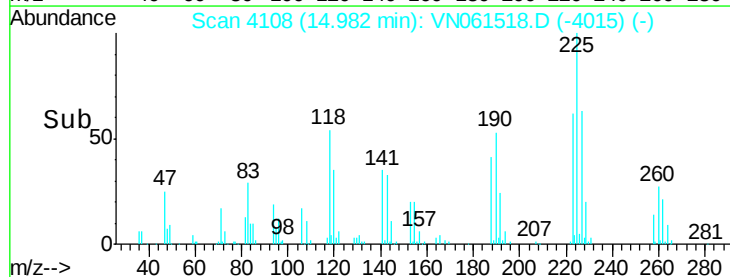
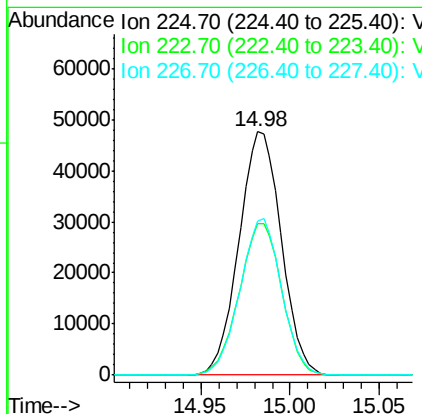
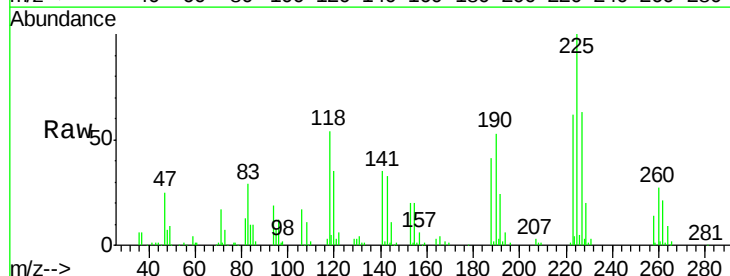
Manual Integrations
 APPROVED

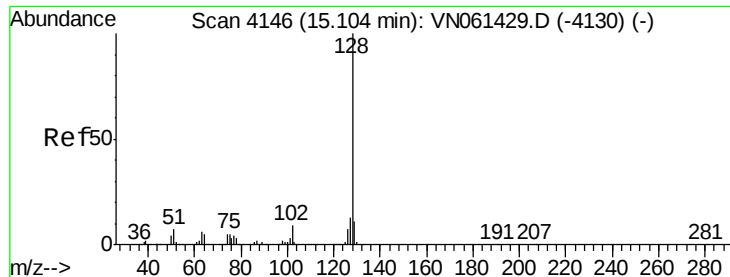
MMDadoda
 5/21/2020 1:16:19 PM



#94
 Hexachlorobutadiene
 Concen: 39.229 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061518.D
 Acq: 20 May 2020 22:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	78789		
223	62.7	31.9	95.7	
227	62.9	31.5	94.5	





#95

Naphthalene

Concen: 49.233 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Instrument :

MSVOA_N

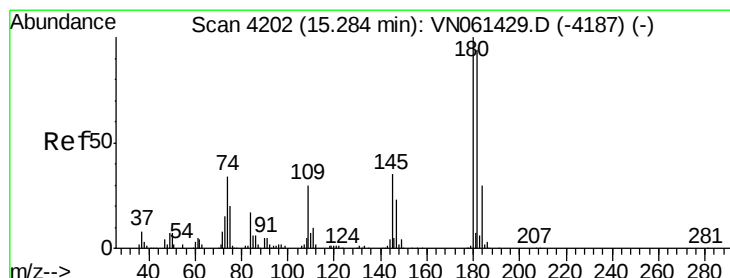
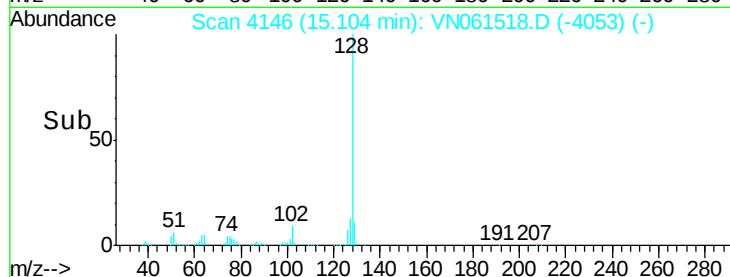
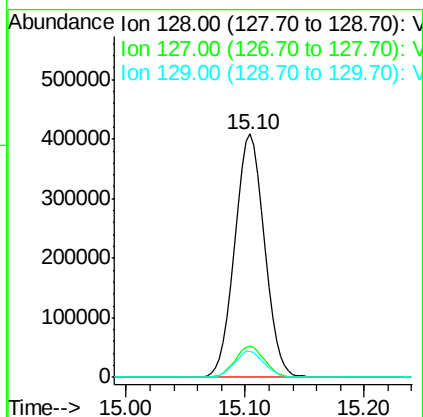
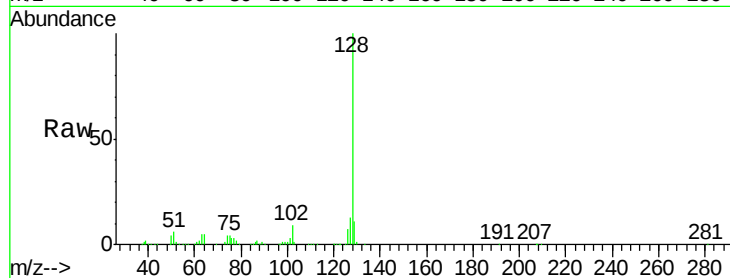
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	707488
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:16:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.655 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061518.D

Acq: 20 May 2020 22:07

Tgt Ion:	180	Resp:	209943
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.8	143.3
145	34.5	17.3	51.9

