

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060320\
 Data File : VN061630.D
 Acq On : 3 Jun 2020 11:47
 Operator : JC/MD
 Sample : VN0603WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2020 3:08:10 PM

Quant Time: Jun 04 07:59:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	327148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	538802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	504225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	243669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	179715	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.55	113	144460	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.06	98	610090	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.37	95	217471	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	67412	18.585	ug/l	99
3) Chloromethane	2.03	50	73658	18.460	ug/l	99
4) Vinyl Chloride	2.16	62	99233	18.148	ug/l	100
5) Bromomethane	2.54	94	62784	20.010	ug/l	100
6) Chloroethane	2.67	64	63458	18.030	ug/l	97
7) Trichlorofluoromethane	2.98	101	130762	18.545	ug/l	98
8) Diethyl Ether	3.37	74	36702	17.022	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	60212	19.243	ug/l	98
10) Methyl Iodide	3.91	142	79091	18.209	ug/l	98
11) Tert butyl alcohol	4.73	59	48031	92.644	ug/l	99
12) 1,1-Dichloroethene	3.70	96	58760	17.578	ug/l	94
13) Acrolein	3.56	56	15741	84.525	ug/l	99
14) Allyl chloride	4.27	41	67366	15.414	ug/l	90
15) Acrylonitrile	4.93	53	120918	83.559	ug/l	99
16) Acetone	3.77	43	96923	86.163	ug/l	99
17) Carbon Disulfide	4.01	76	143486	19.509	ug/l	98
18) Methyl Acetate	4.27	43	59302	16.807	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	198775	17.447	ug/l	100
20) Methylene Chloride	4.50	84	66048	17.513	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	67536	17.914	ug/l	90
22) Diisopropyl ether	5.90	45	171071	17.760	ug/l	98
23) Vinyl Acetate	5.84	43	621014	80.891	ug/l	97
24) 1,1-Dichloroethane	5.79	63	109609	17.945	ug/l	99
25) 2-Butanone	6.78	43	147607	79.906	ug/l	99
26) 2,2-Dichloropropane	6.77	77	101856	18.220	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	76673	17.961	ug/l	99
28) Bromochloromethane	7.15	49	44311	18.444	ug/l	97
29) Tetrahydrofuran	7.16	42	96221	78.992	ug/l	98
30) Chloroform	7.33	83	123033	18.207	ug/l	98
31) Cyclohexane	7.61	56	96040	17.483	ug/l	# 92
32) 1,1,1-Trichloroethane	7.53	97	111309	18.077	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88571	18.569	ug/l	100
37) Ethyl Acetate	6.88	43	65136	16.955	ug/l	97
38) Carbon Tetrachloride	7.73	117	87623	19.045	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	102288	17.399	ug/l	99
40) Benzene	8.00	78	269745	18.329	ug/l	99
41) Methacrylonitrile	7.12	41	29792	16.926	ug/l	93
42) 1,2-Dichloroethane	8.08	62	88786	18.020	ug/l	100
43) Isopropyl Acetate	8.12	43	113127	16.367	ug/l #	91
44) Trichloroethene	8.80	130	84333	18.646	ug/l	97
45) 1,2-Dichloropropane	9.08	63	65105	18.630	ug/l	96
46) Dibromomethane	9.17	93	48434	18.071	ug/l	99
47) Bromodichloromethane	9.37	83	97706	18.400	ug/l	97
48) Methyl methacrylate	9.17	41	47393	15.240	ug/l	96
49) 1,4-Dioxane	9.17	88	21045	436.848	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	321149	82.453	ug/l	100
52) Toluene	10.12	92	181268	18.871	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	102124	17.853	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	111815	18.179	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	71091	18.577	ug/l	94
56) Ethyl methacrylate	10.40	69	91841	17.180	ug/l	98
57) 1,3-Dichloropropane	10.68	76	113297	18.511	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	180842	79.160	ug/l	99
59) 2-Hexanone	10.72	43	220781	78.928	ug/l	99
60) Dibromochloromethane	10.87	129	79141	18.190	ug/l	100
61) 1,2-Dibromoethane	10.98	107	72293	18.113	ug/l	100
64) Tetrachloroethene	10.60	164	90588	19.086	ug/l	98
65) Chlorobenzene	11.40	112	197515	18.845	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	74089	18.985	ug/l	99
67) Ethyl Benzene	11.48	91	342339	18.898	ug/l	100
68) m/p-Xylenes	11.59	106	269894	37.575	ug/l	100
69) o-Xylene	11.92	106	129831	19.031	ug/l	96
70) Styrene	11.94	104	207135	18.334	ug/l	99
71) Bromoform	12.10	173	51199	17.026	ug/l #	98
73) Isopropylbenzene	12.22	105	338789	19.050	ug/l	99
74) N-amyl acetate	12.04	43	89858	16.044	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	85329	17.121	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	73429m	16.572	ug/l	
77) Bromobenzene	12.50	156	85958	18.935	ug/l	99
78) n-propylbenzene	12.56	91	371927	18.733	ug/l	100
79) 2-Chlorotoluene	12.65	91	220554	18.630	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	282184	18.984	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27296	15.754	ug/l	96
82) 4-Chlorotoluene	12.75	91	228653	18.359	ug/l	99
83) tert-Butylbenzene	12.97	119	242501	18.464	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	284791	19.285	ug/l	100
85) sec-Butylbenzene	13.15	105	313018	18.496	ug/l	99
86) p-Isopropyltoluene	13.26	119	286363	18.374	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	151256	18.816	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	151522	18.502	ug/l	99
89) n-Butylbenzene	13.59	91	229248	17.561	ug/l	97
90) Hexachloroethane	13.85	117	35335	20.501	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	147187	19.159	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15978	15.720	ug/l	98

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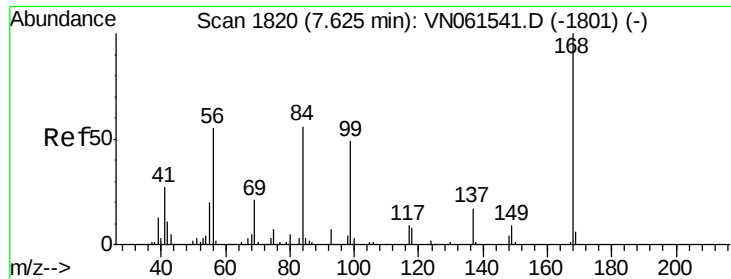
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	77068	17.153	ug/l	99
94) Hexachlorobutadiene	14.99	225	34513	18.011	ug/l	96
95) Naphthalene	15.10	128	226079	16.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	77959	17.648	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion:168 Resp: 327148

Ion Ratio Lower Upper

168 100

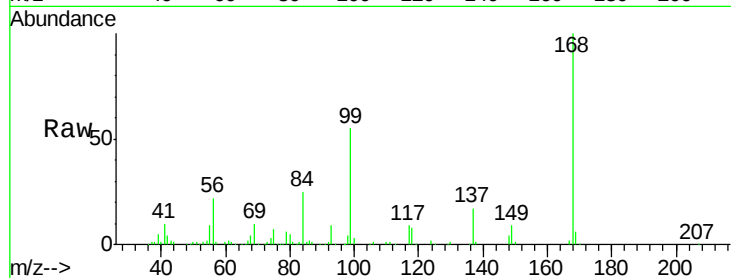
99 55.1 45.0 67.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

150000

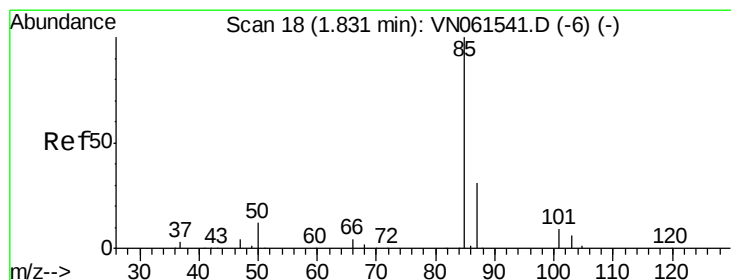
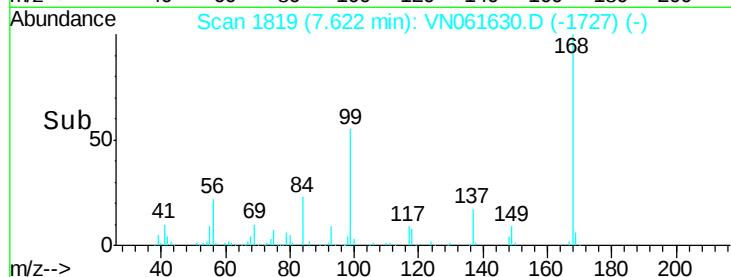
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.585 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061630.D

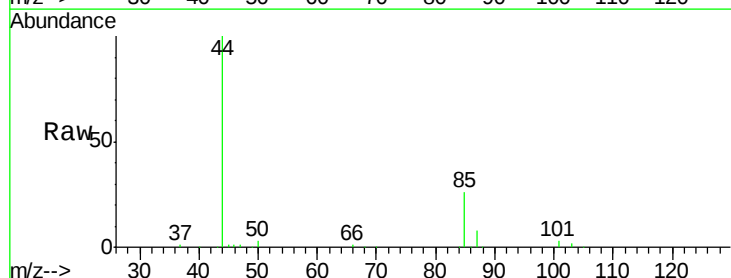
Acq: 3 Jun 2020 11:47

Tgt Ion: 85 Resp: 67412

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

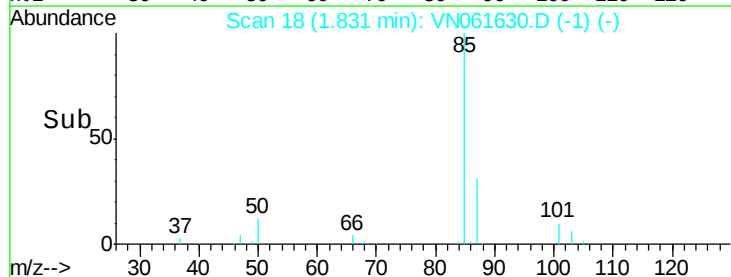
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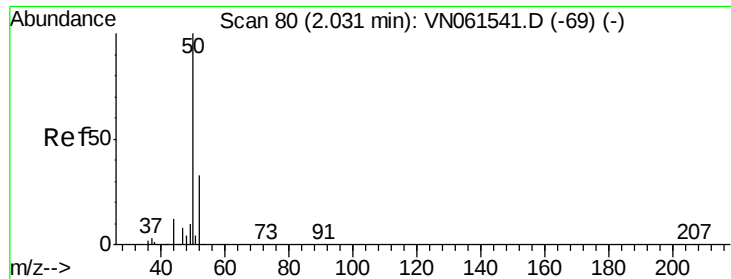
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.460 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 50 Resp: 73658

Ion Ratio Lower Upper

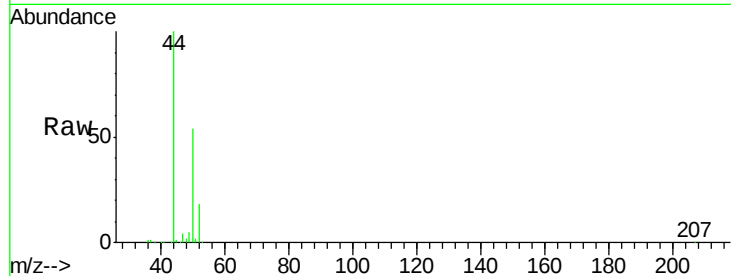
50 100

52 33.0 26.7 40.1

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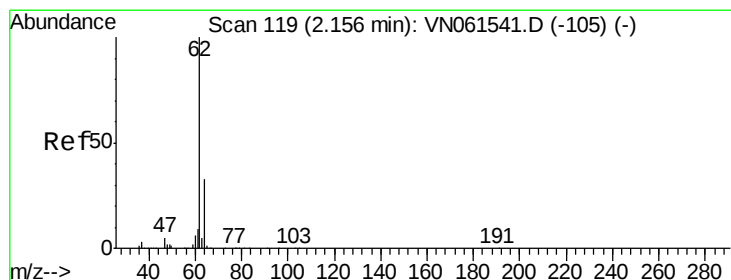
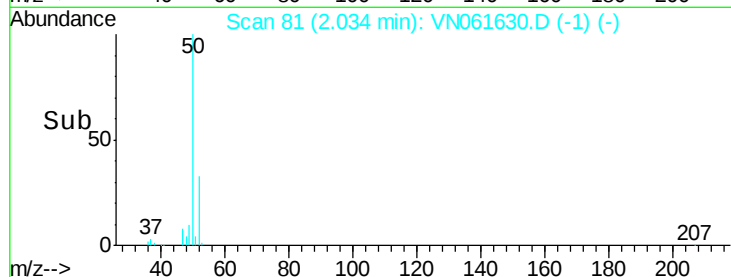
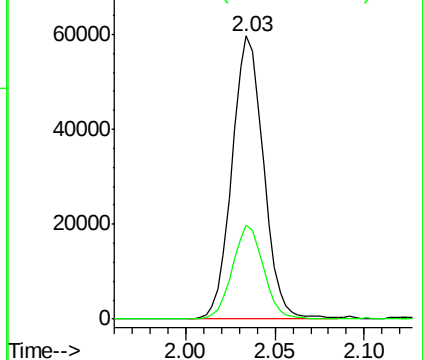
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.148 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061630.D

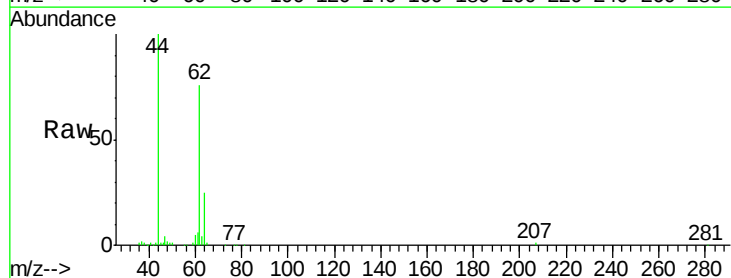
Acq: 3 Jun 2020 11:47

Tgt Ion: 62 Resp: 99233

Ion Ratio Lower Upper

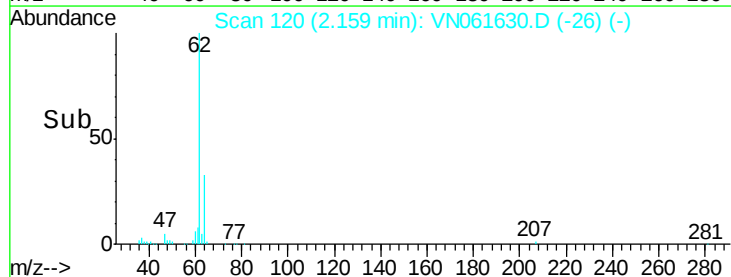
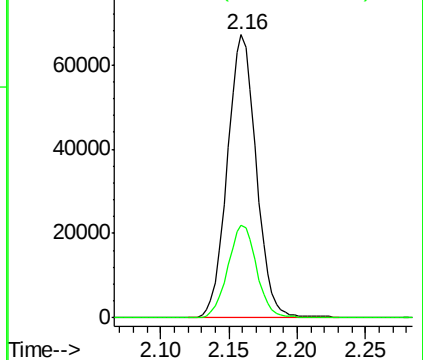
62 100

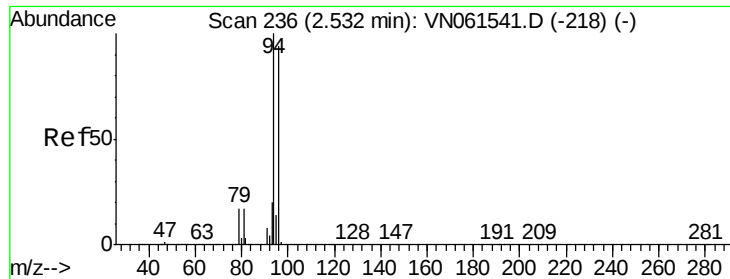
64 32.8 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.010 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 94 Resp: 62784

Ion Ratio Lower Upper

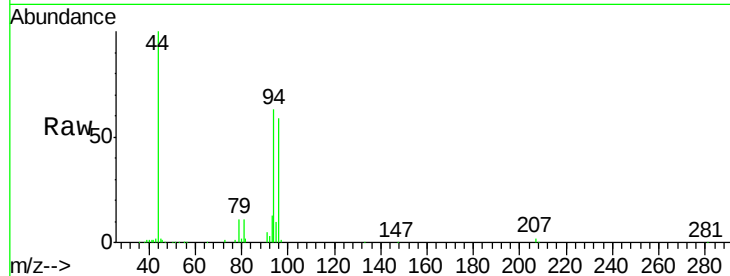
94 100

96 93.8 74.8 112.2

Manual Integrations
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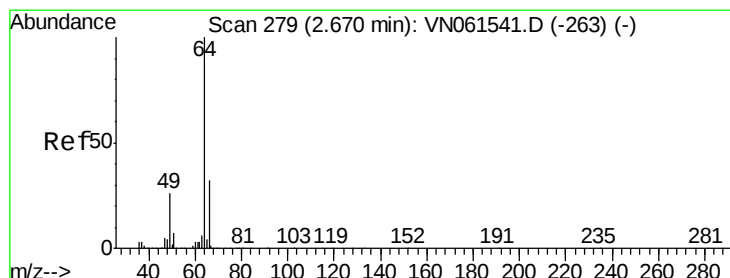
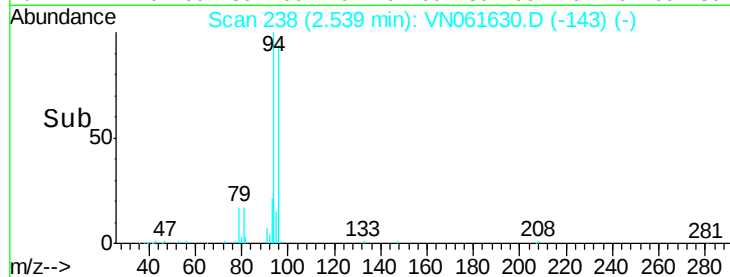
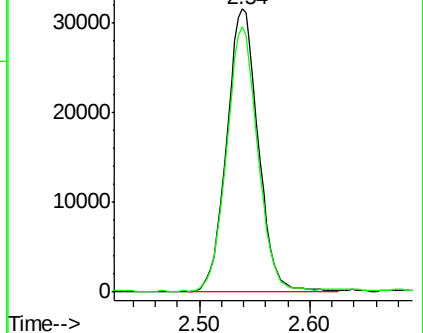
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.030 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061630.D

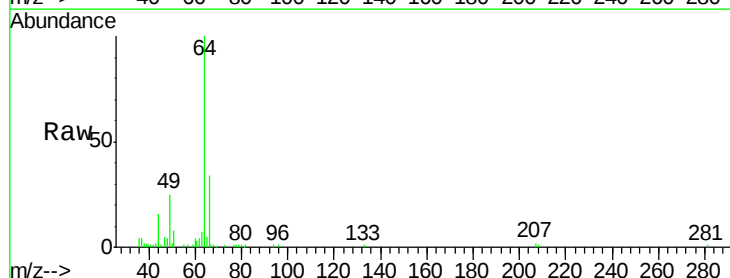
Acq: 3 Jun 2020 11:47

Tgt Ion: 64 Resp: 63458

Ion Ratio Lower Upper

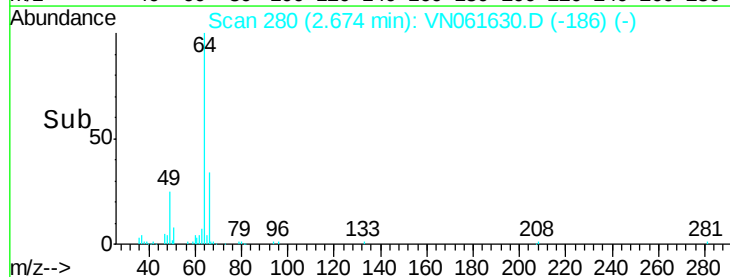
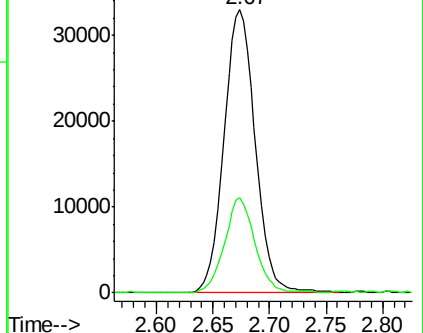
64 100

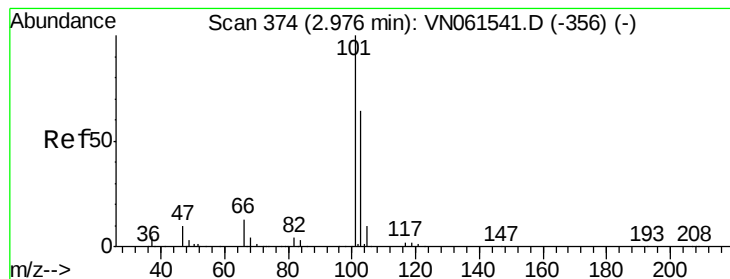
66 33.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

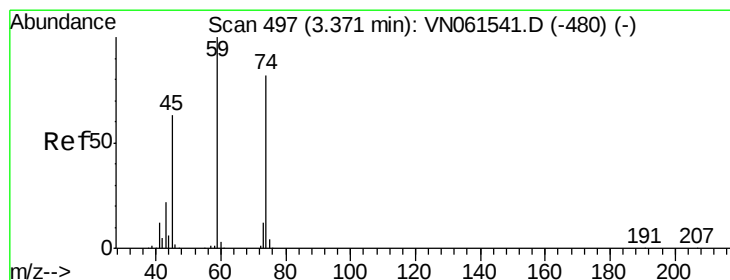
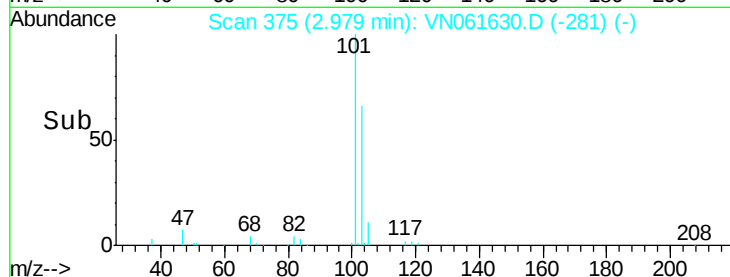
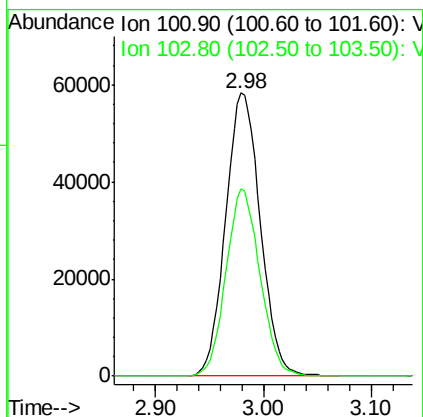
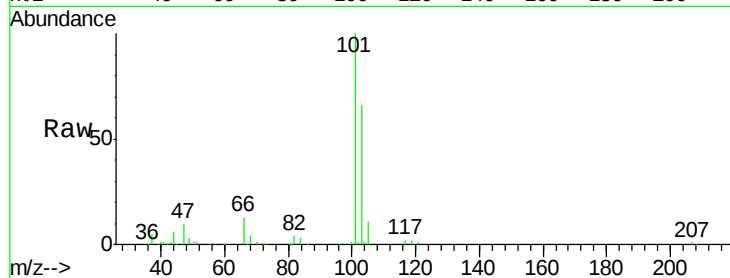
Trichlorofluoromethane
Concen: 18.545 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

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VN0603WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.2

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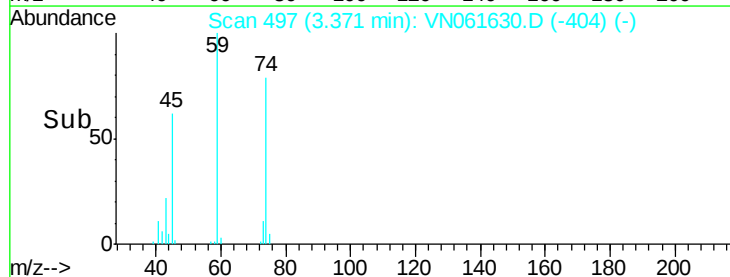
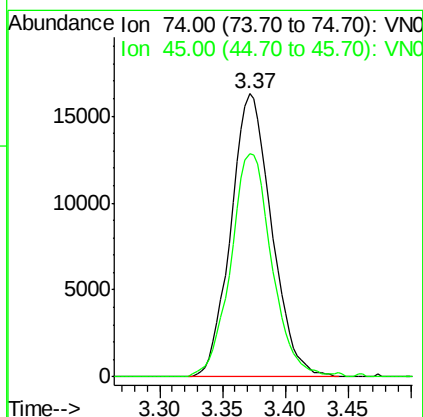
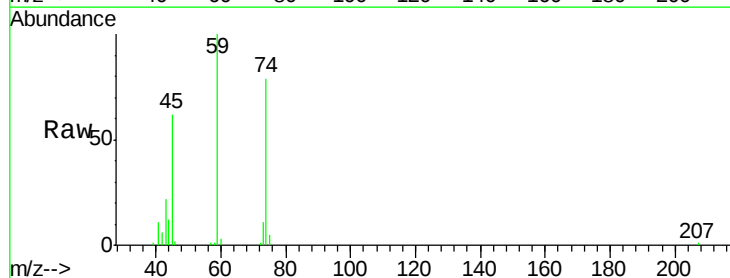
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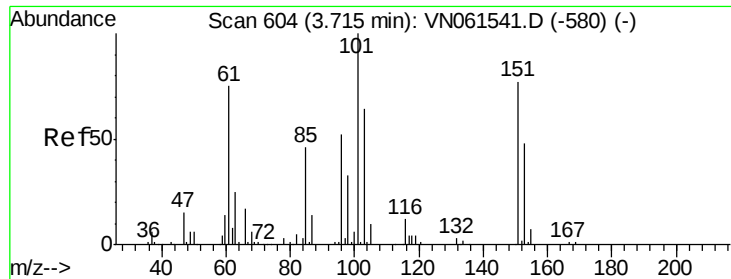


#8

Diethyl Ether
Concen: 17.022 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.1	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.243 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

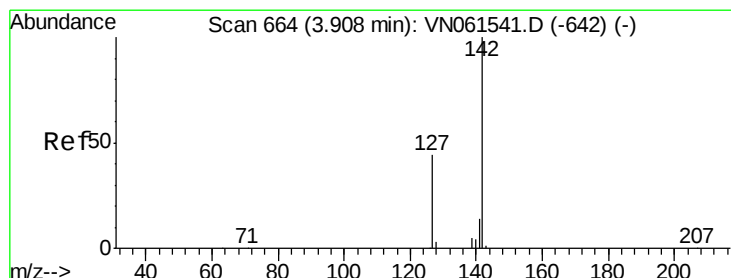
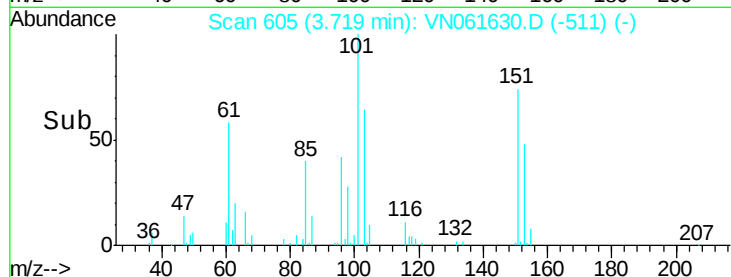
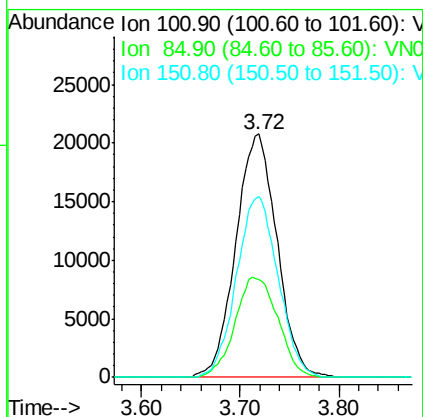
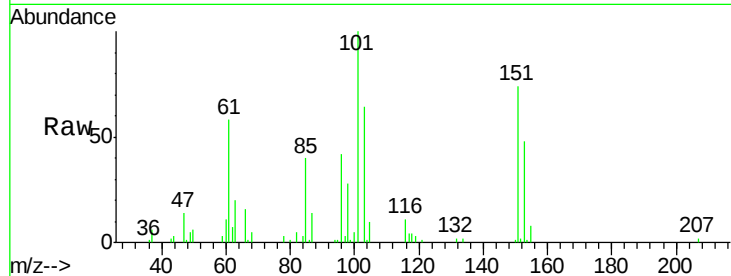
ClientSampled :

VN0603WBS01

Tot Ion:	101	Resp:	60212
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.2	52.8
151	75.0	61.0	91.6

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#10

Methyl Iodide

Concen: 18.209 ug/l

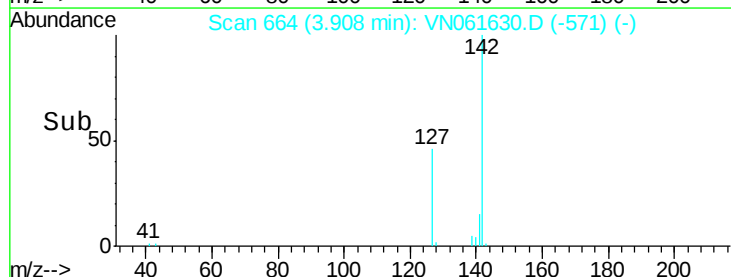
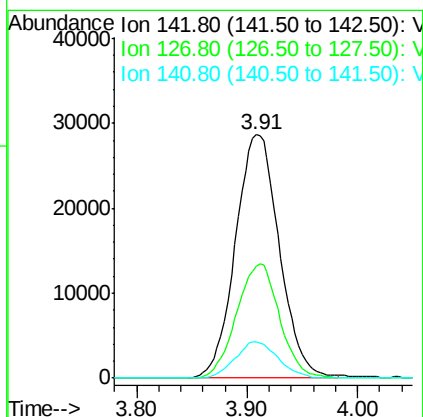
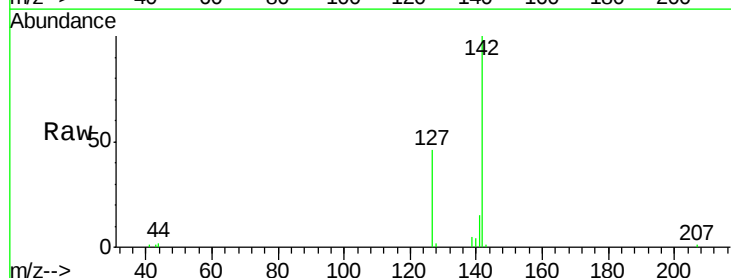
RT: 3.91 min Scan# 664

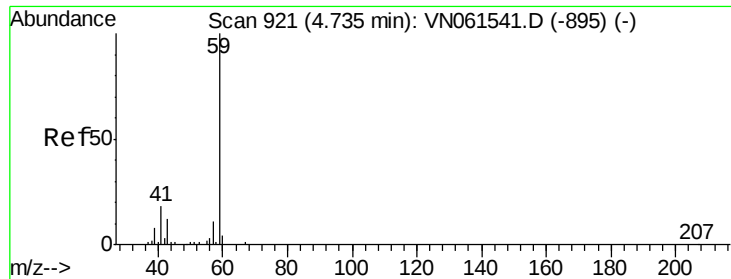
Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	142	Resp:	79091
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.5	53.3
141	14.6	11.5	17.3





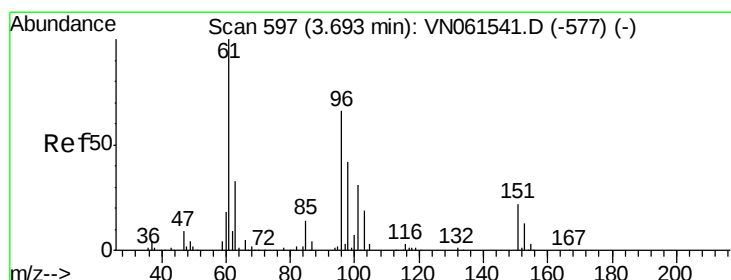
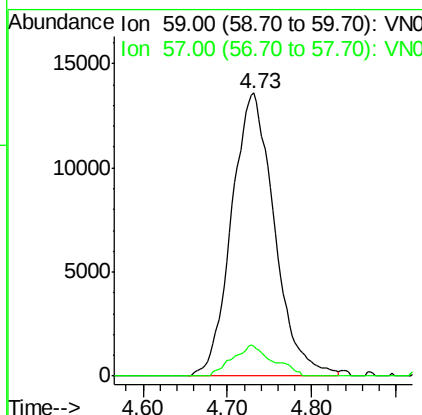
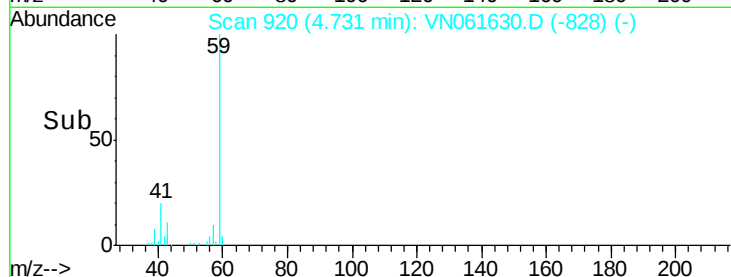
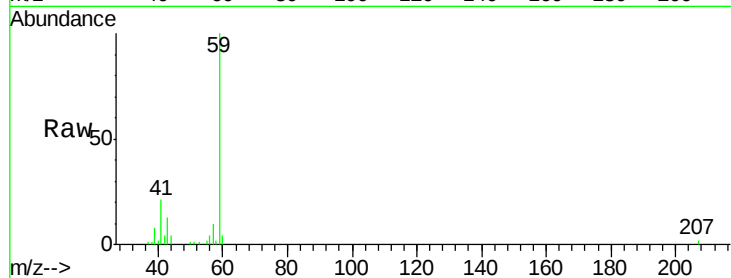
#11
Tert butyl alcohol
Concen: 92.644 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

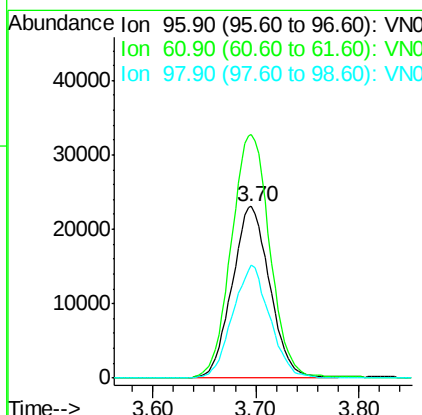
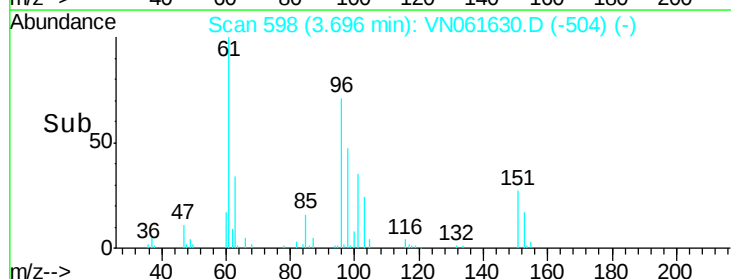
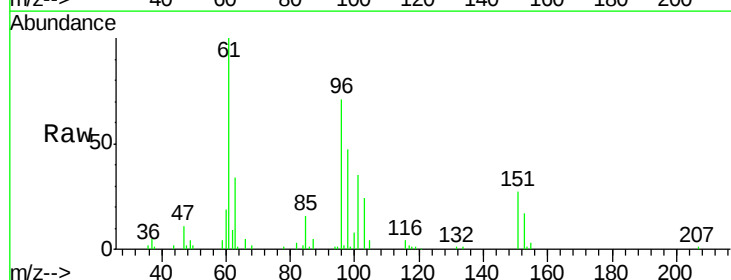
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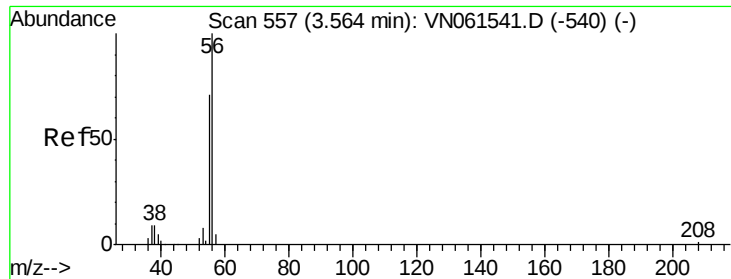
MMDadoda
6/4/2020 3:08:10 PM



#12
1,1-Dichloroethene
Concen: 17.578 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.8	120.5	180.7
98	66.0	50.8	76.2





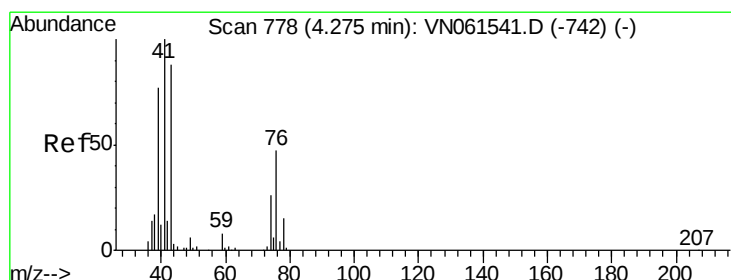
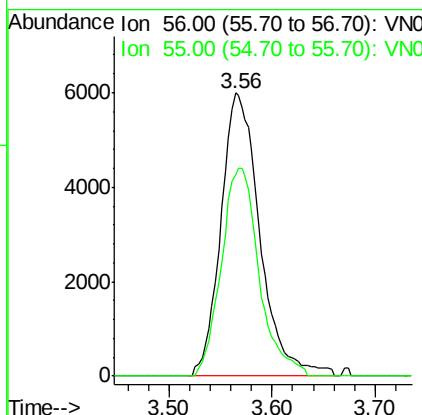
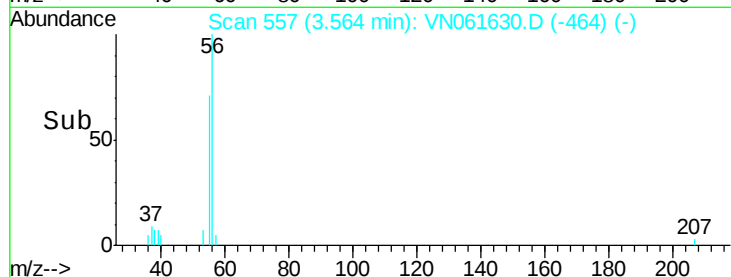
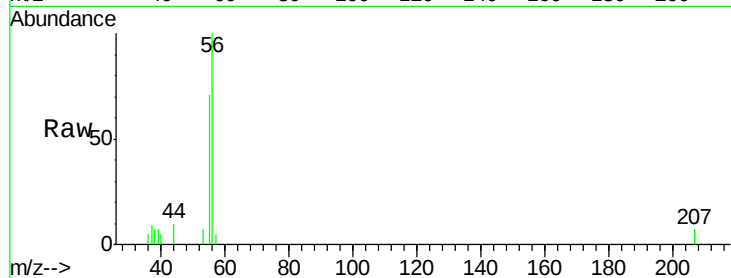
#13
Acrolein
Concen: 84.525 ug/l
RT: 3.56 min Scan# 557
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	56	Resp	15741
Ion Ratio	100	Lower	Upper
55	71.3	58.0	87.0

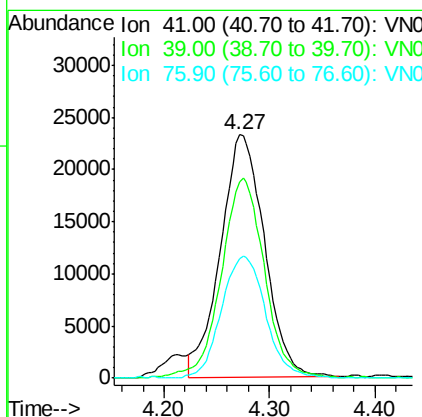
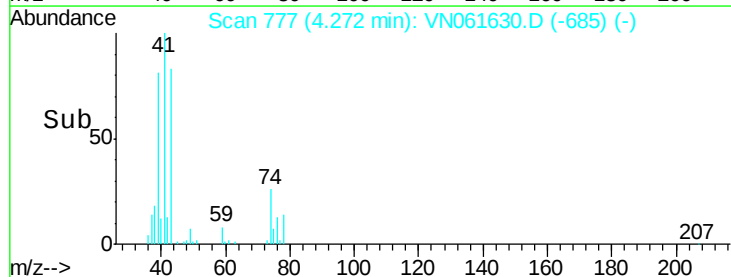
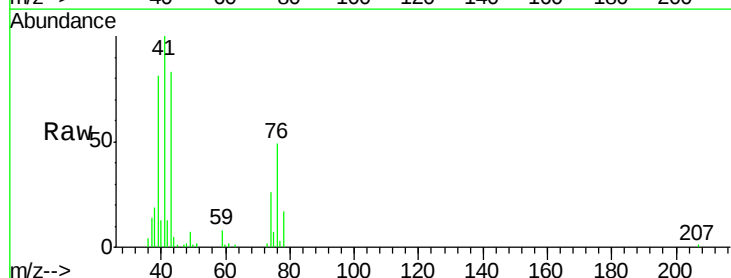
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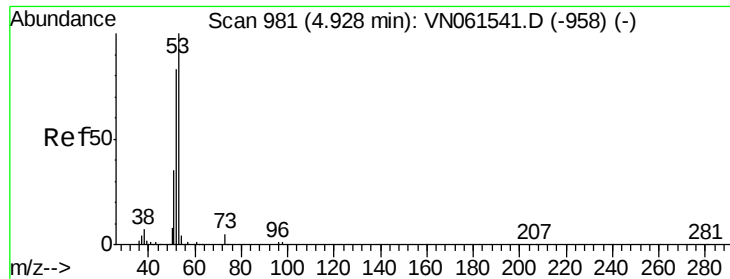
MMDadoda
6/4/2020 3:08:10 PM



#14
Allyl chloride
Concen: 15.414 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	41	Resp	67366
Ion Ratio	100	Lower	Upper
39	81.1	58.6	88.0
76	50.5	34.2	51.4





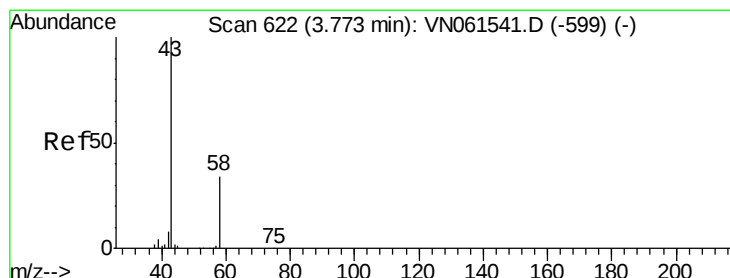
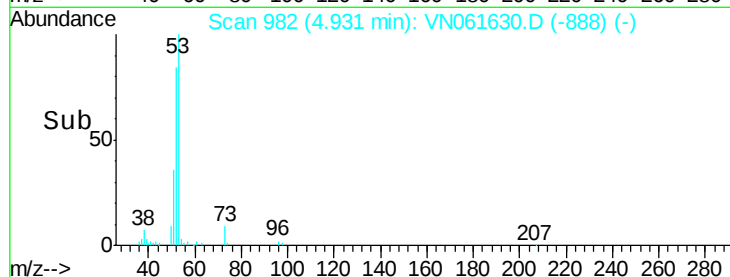
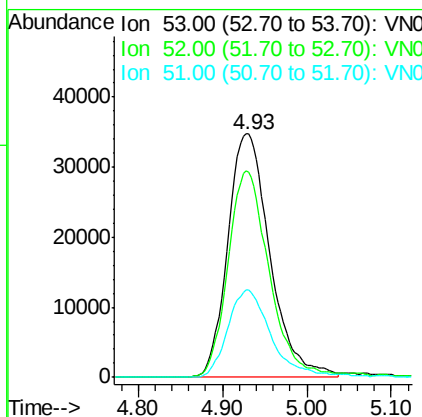
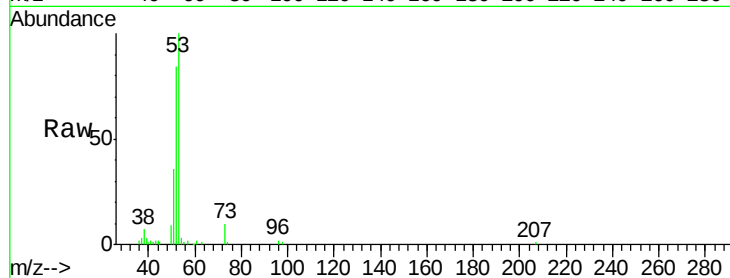
#15
 Acrylonitrile
 Concen: 83.559 ug/l
 RT: 4.93 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion:	53	Resp:	120918
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.4	98.2
51	36.6	29.0	43.6

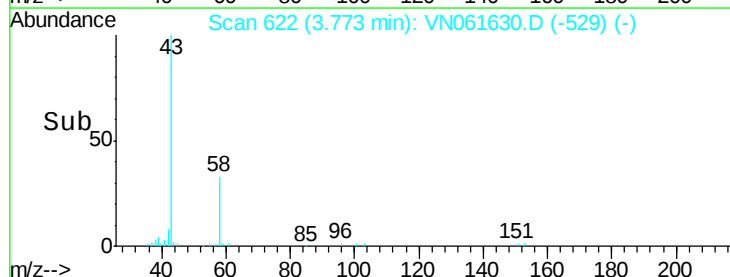
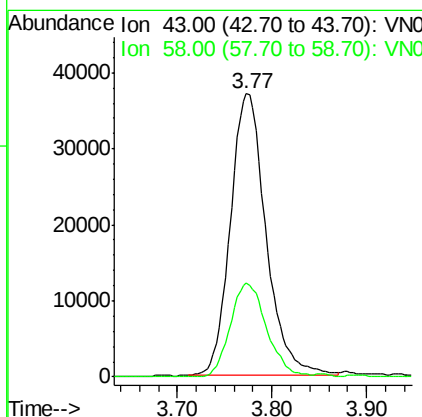
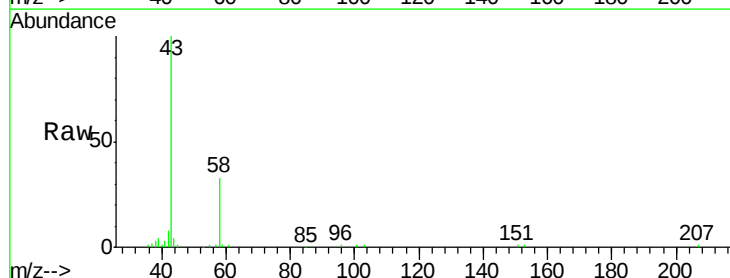
Manual Integrations
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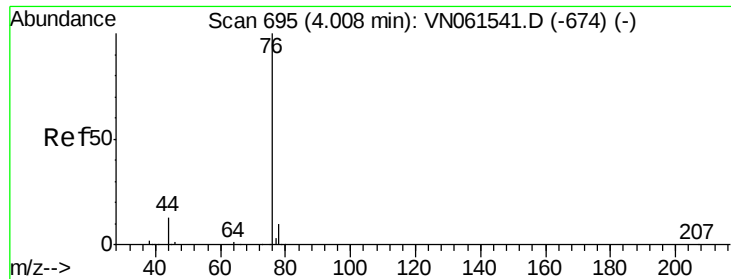
MMDadoda
 6/4/2020 3:08:10 PM



#16
 Acetone
 Concen: 86.163 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion:	43	Resp:	96923
Ion Ratio	Lower	Upper	
43	100		
58	33.2	27.2	40.8





#17

Carbon Disulfide

Concen: 19.509 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 76 Resp: 143486

Ion Ratio Lower Upper

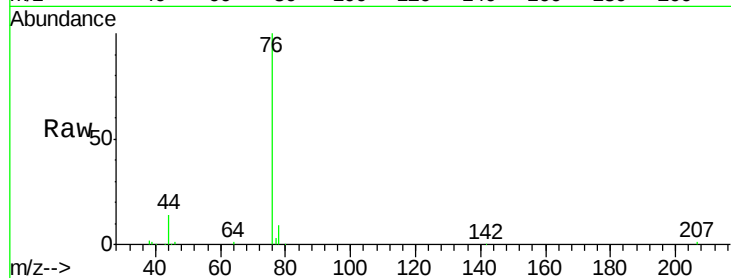
76 100

78 9.1 7.8 11.6

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Abundance Ion 75.90 (75.60 to 76.60): VN061541.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN061541.D (-674) (-)

4.01

60000

50000

40000

30000

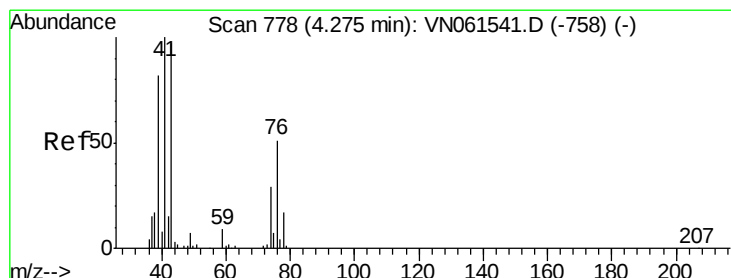
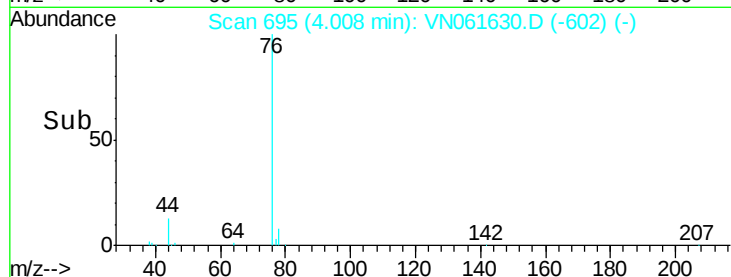
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 16.807 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061630.D

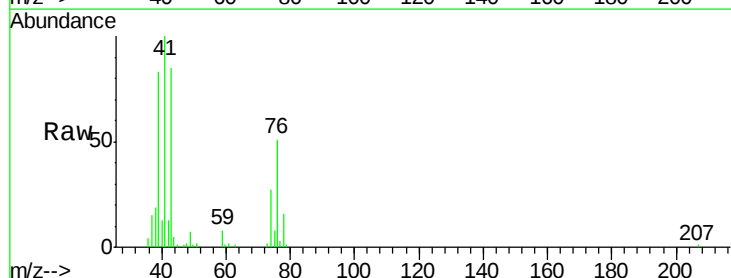
Acq: 3 Jun 2020 11:47

Tgt Ion: 43 Resp: 59302

Ion Ratio Lower Upper

43 100

74 29.9 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061541.D (-758) (-)

4.27

20000

15000

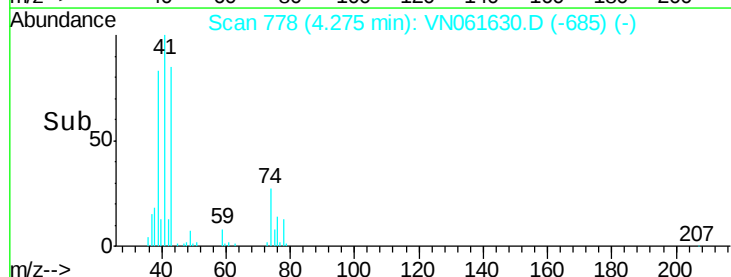
10000

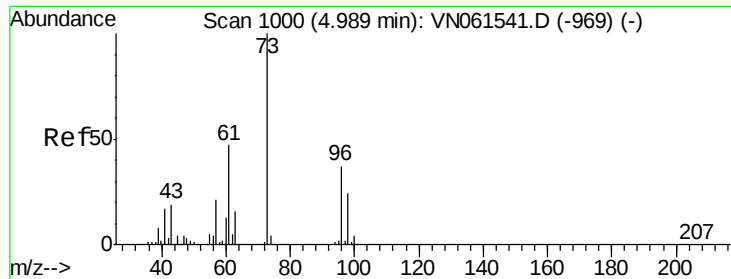
5000

0

Time-->

4.20 4.30 4.40





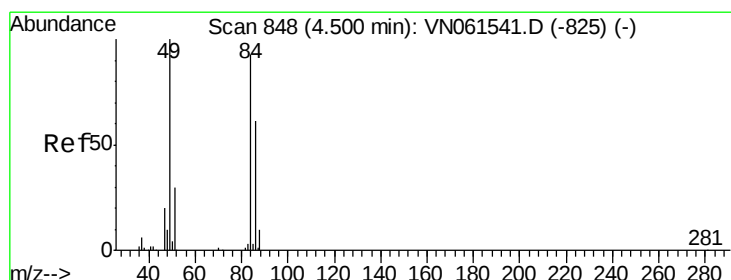
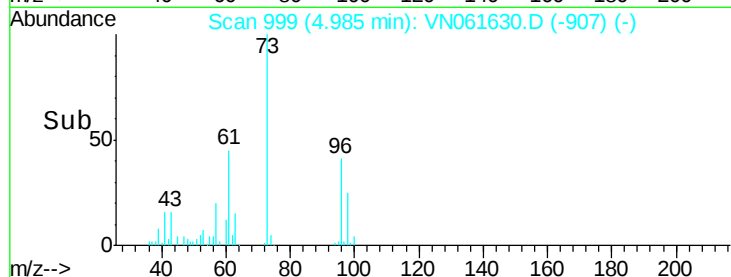
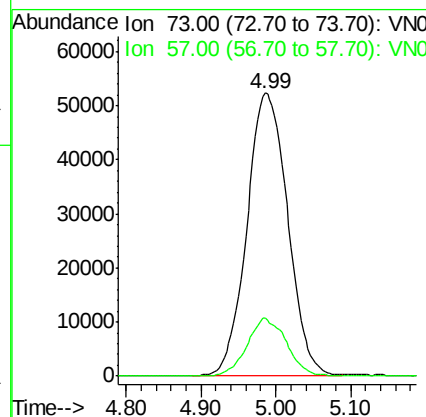
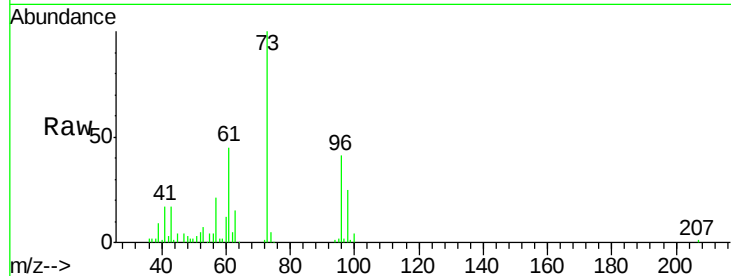
#19
Methvl tert-butvl Ether
Concen: 17.447 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion: 73 Resp: 198775
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6

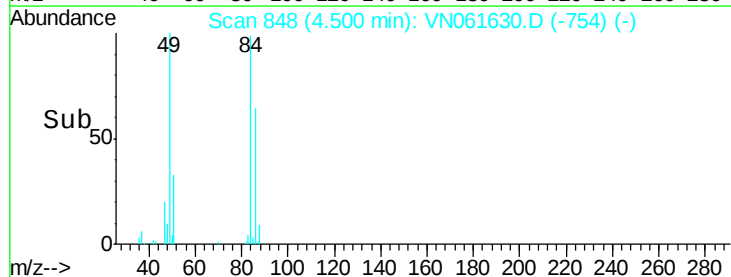
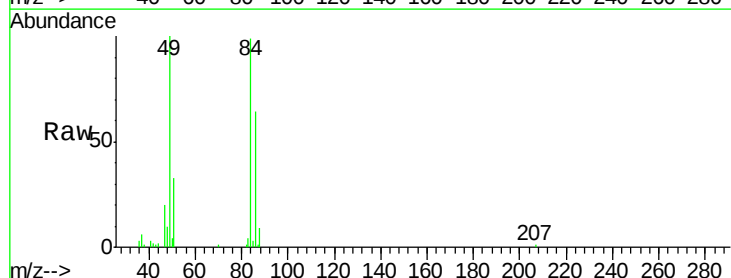
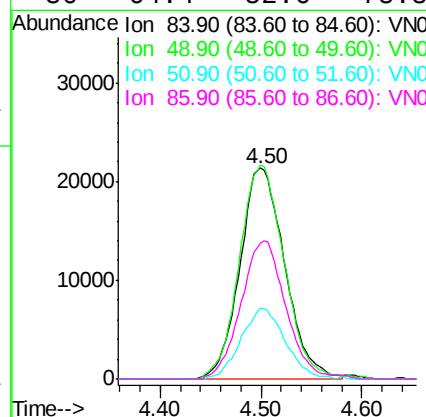
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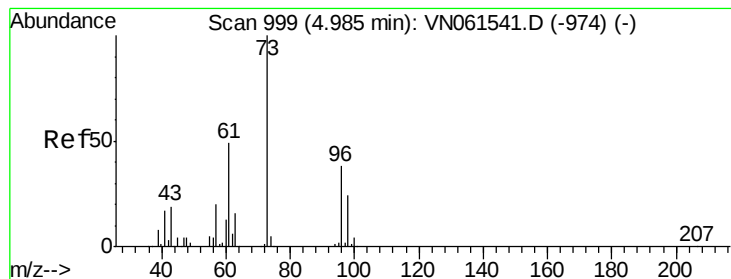
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#20
Methylene Chloride
Concen: 17.513 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion: 84 Resp: 66048
Ion Ratio Lower Upper
84 100
49 101.2 85.8 128.8
51 33.1 26.2 39.2
86 64.4 52.6 78.8





#21

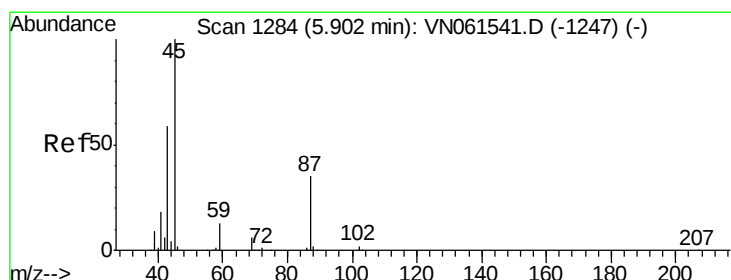
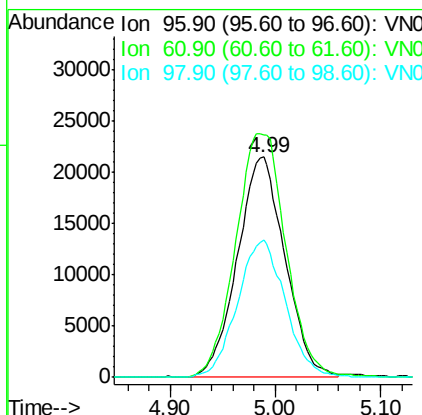
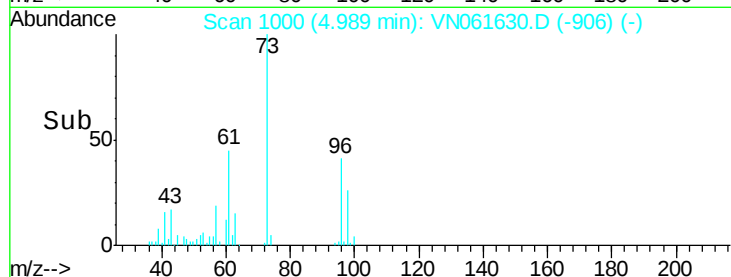
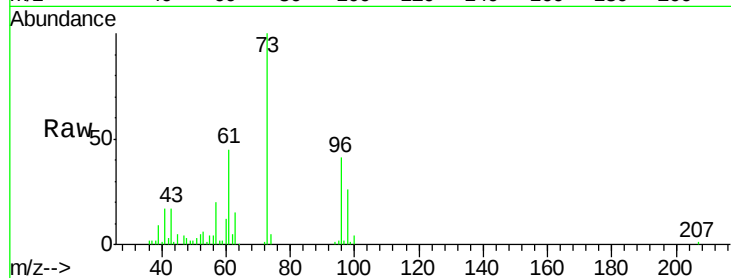
trans-1,2-Dichloroethene
Concen: 17.914 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	110.0	101.4	152.0
98	62.5	50.6	76.0

Manual Integrations
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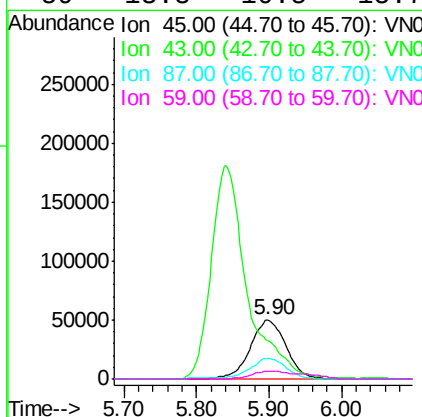
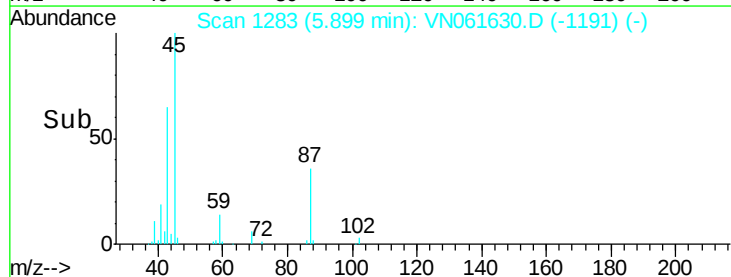
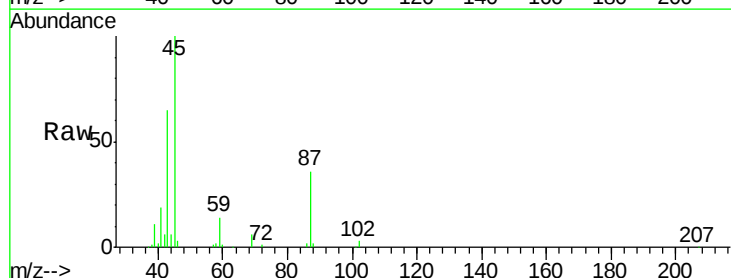
MMDadoda
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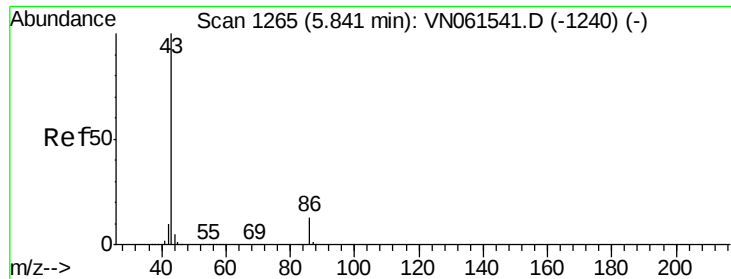


#22

Diisopropyl ether
Concen: 17.760 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	47.9	71.9
87	35.5	28.4	42.6
59	13.8	10.5	15.7





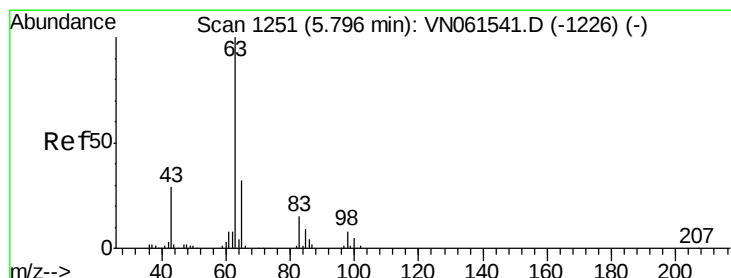
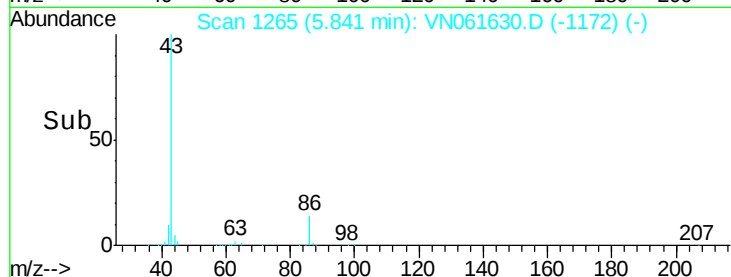
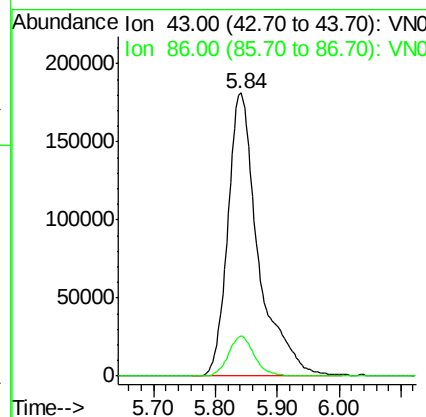
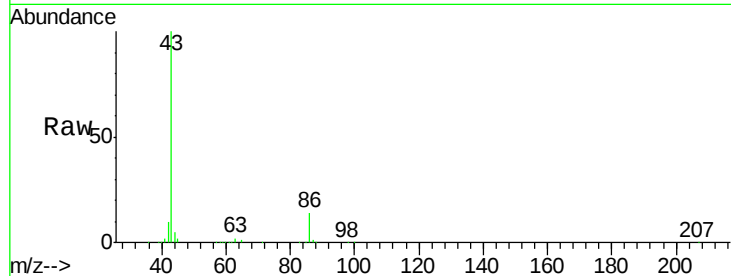
#23
 Vinyl Acetate
 Concen: 80.891 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	14.3	10.6	16.0

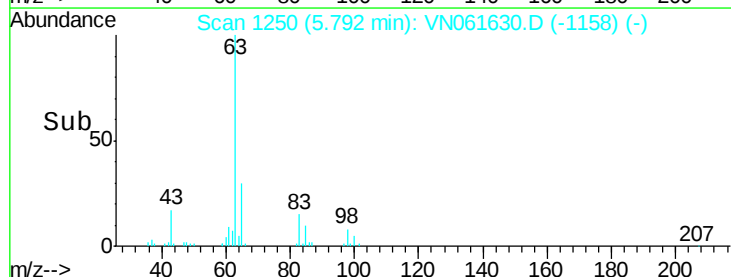
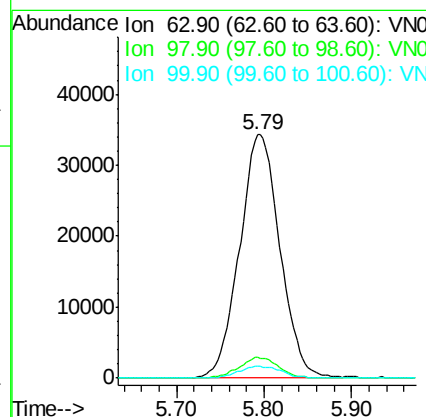
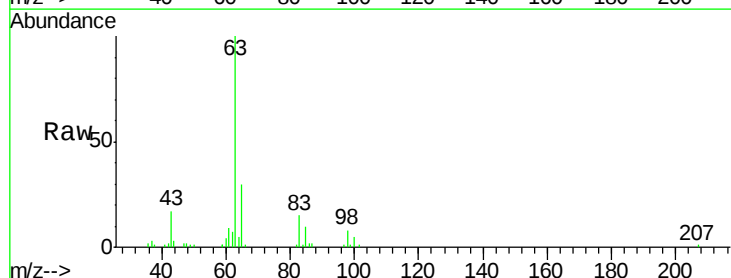
Manual Integrations
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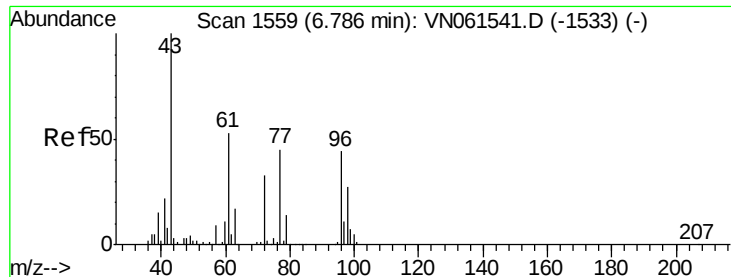
MMDadoda
 6/4/2020 3:08:10 PM



#24
 1,1-Dichloroethane
 Concen: 17.945 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.8	11.4
100	5.2	2.5	7.6





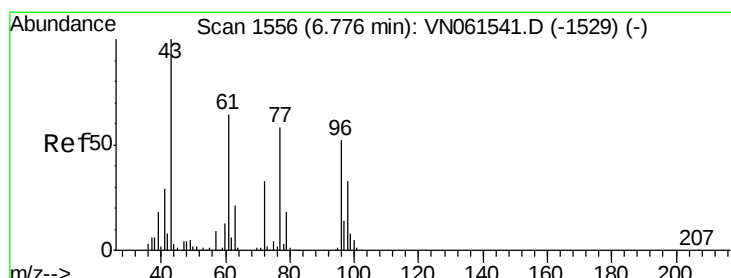
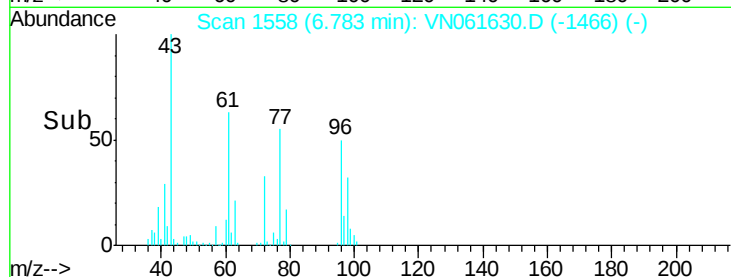
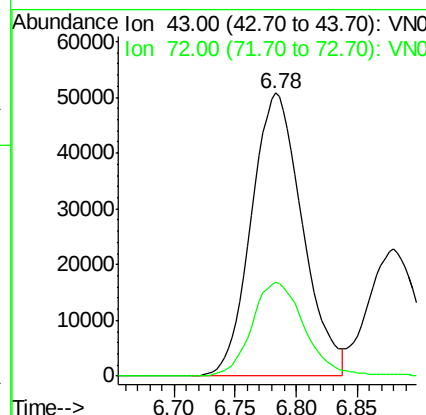
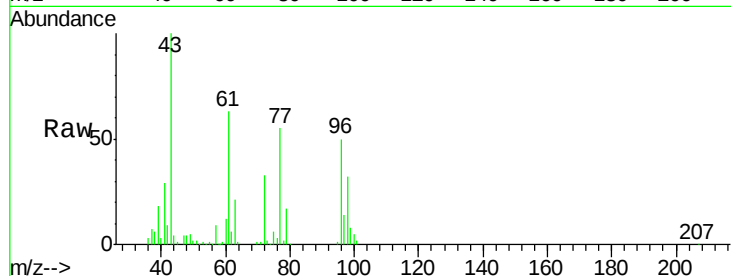
#25
2-Butanone
Concen: 79.906 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 43 Resp: 147607
Ion Ratio Lower Upper
43 100
72 33.0 26.0 39.0

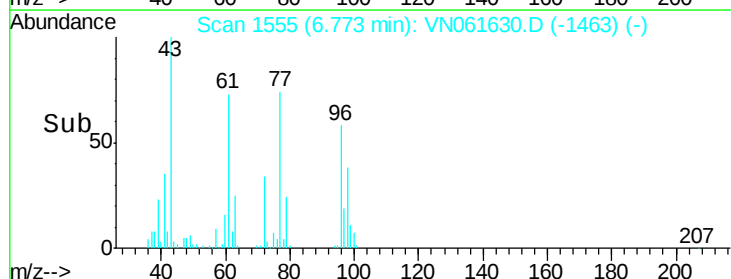
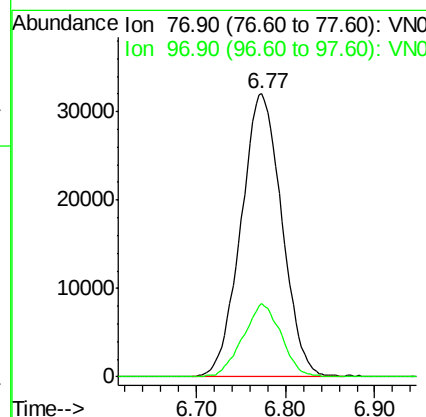
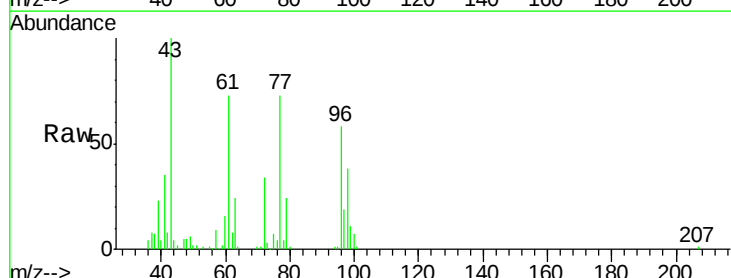
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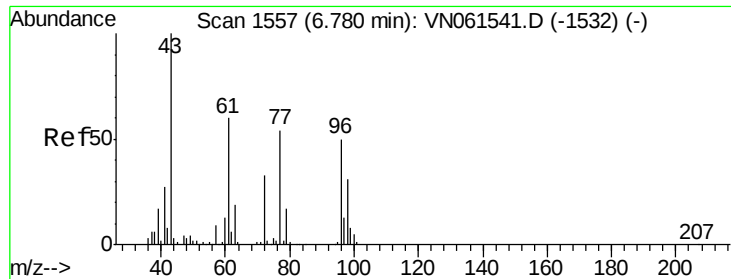
MMDadoda
6/4/2020 3:08:10 PM



#26
2,2-Dichloropropane
Concen: 18.220 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion: 77 Resp: 101856
Ion Ratio Lower Upper
77 100
97 24.2 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 17.961 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

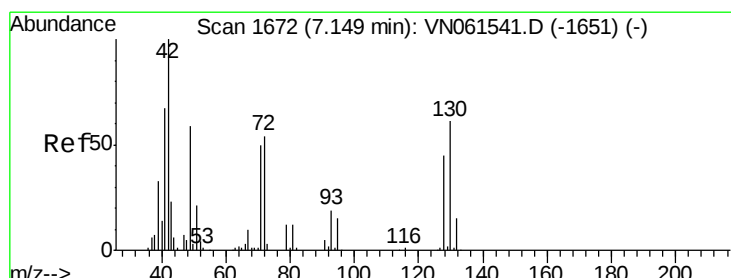
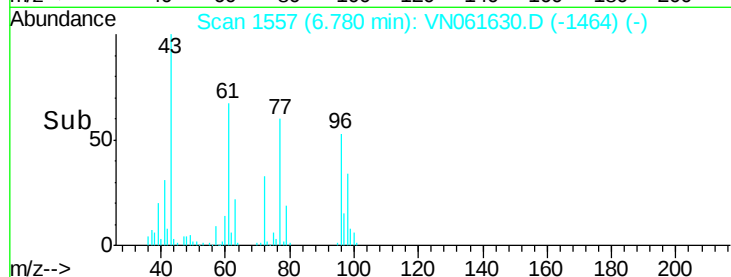
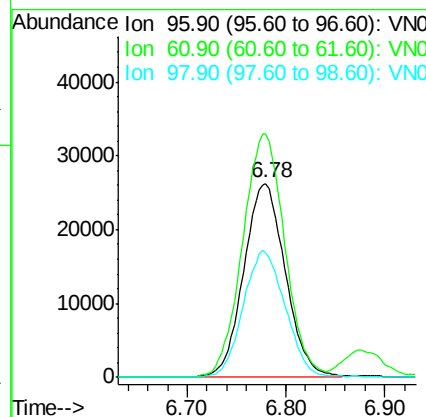
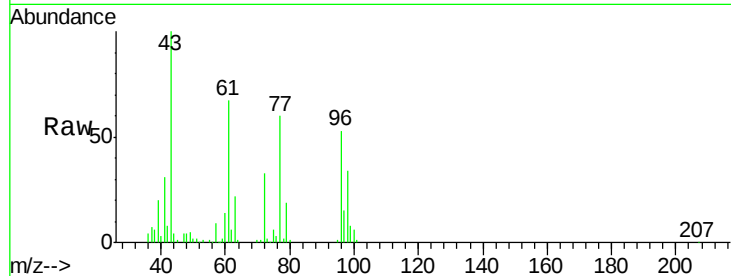
ClientSampleId :

VN0603WBS01

Tot Ion:	96	Resp:	76673
Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	252.2
98	66.0	0.0	129.2

Manual Integrations
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6/4/2020 3:08:10 PM



#28

Bromochloromethane

Concen: 18.444 ug/l

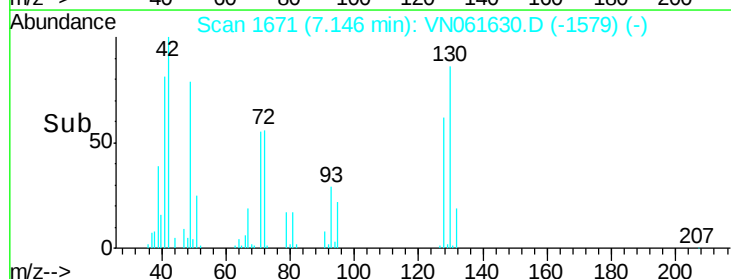
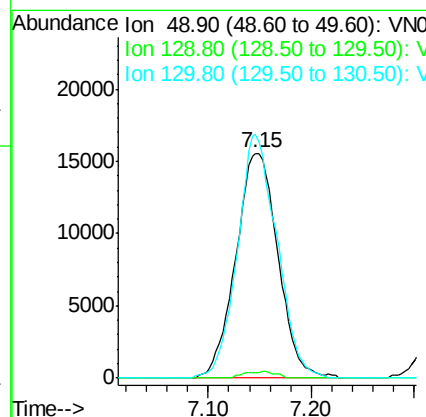
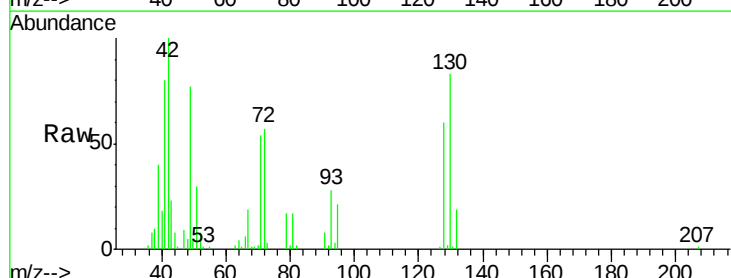
RT: 7.15 min Scan# 1671

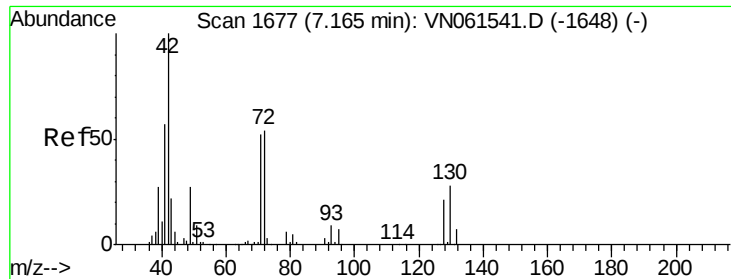
Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	49	Resp:	44311
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	101.3	78.8	118.2





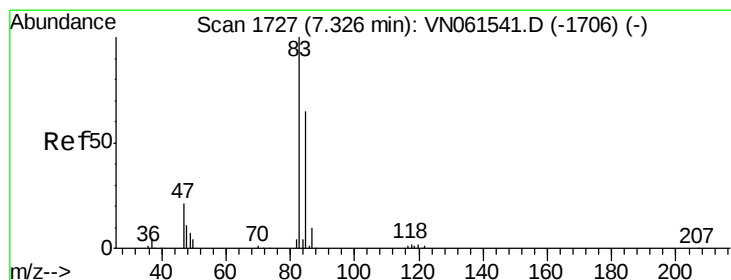
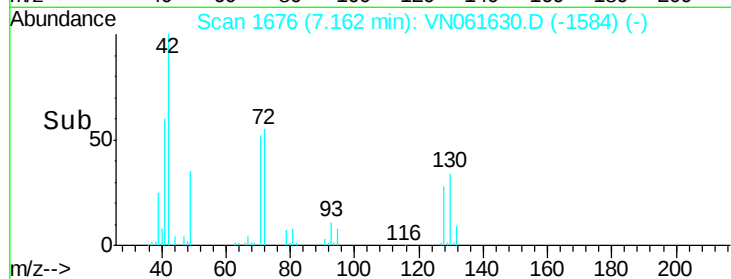
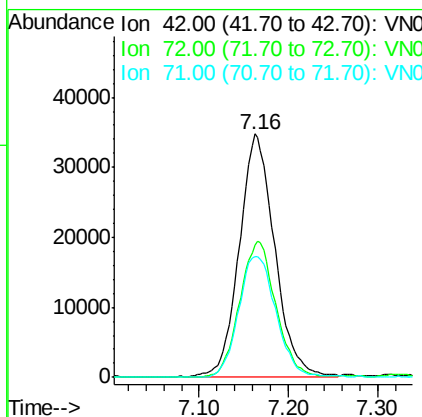
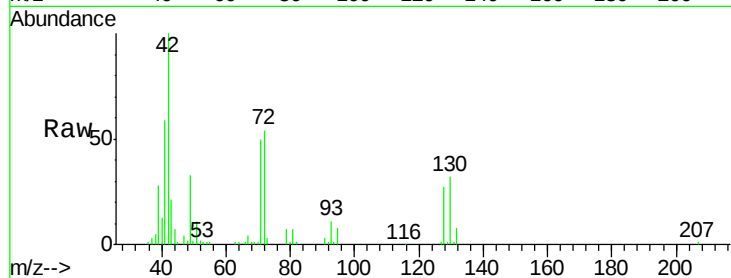
#29
Tetrahydrofuran
Concen: 78.992 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.7	43.6	65.4
71	52.2	41.2	61.8

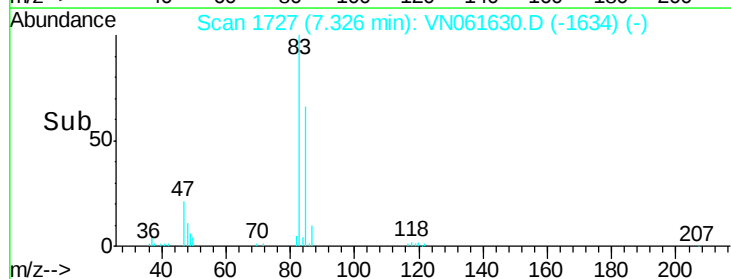
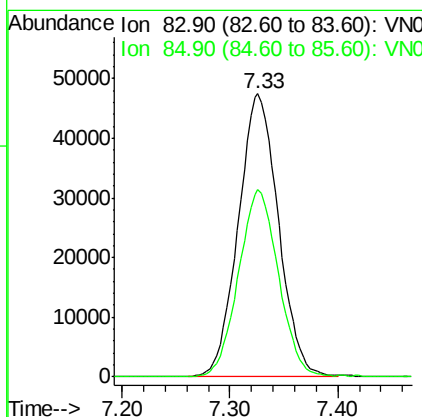
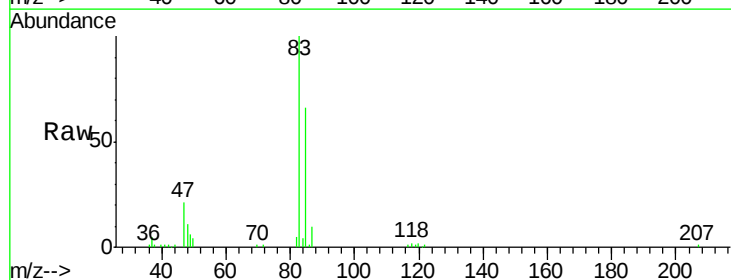
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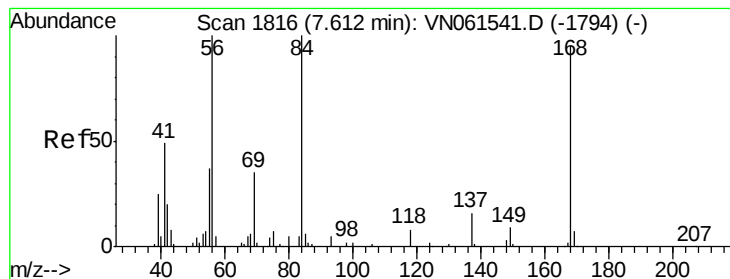
MMDadoda
6/4/2020 3:08:10 PM



#30
Chloroform
Concen: 18.207 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.7	77.5





#31

Cyclohexane

Concen: 17.483 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 56 Resp: 96040

Ion Ratio Lower Upper

56 100

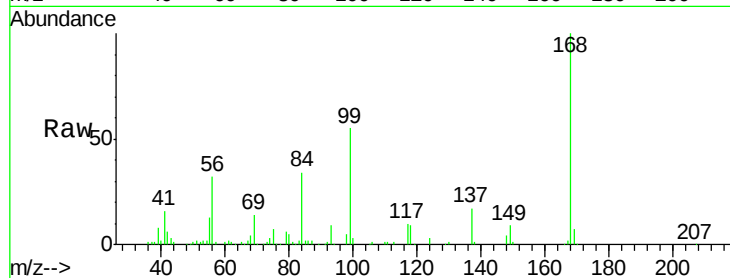
69 42.8 27.8 41.8#

84 106.3 79.9 119.9

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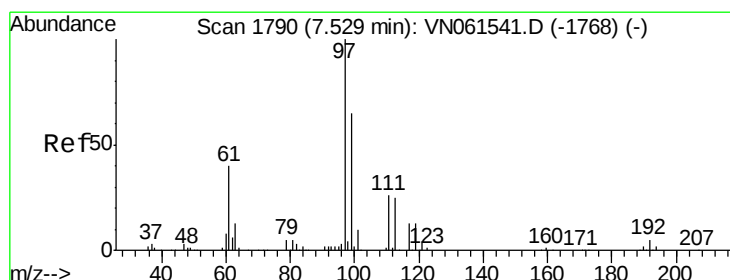
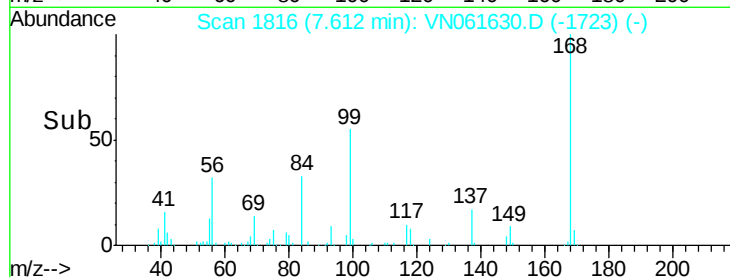
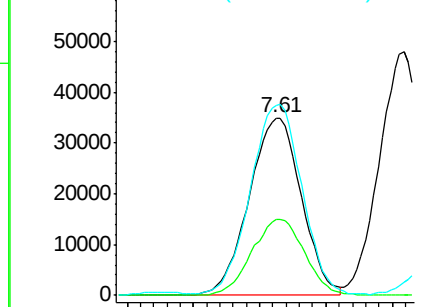
6/4/2020 3:08:10 PM



Abundance Ion 56.00 (55.70 to 56.70): VN061630.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061630.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061630.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 18.077 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

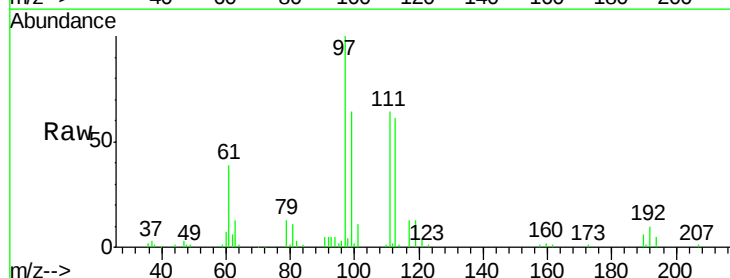
Tgt Ion: 97 Resp: 111309

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

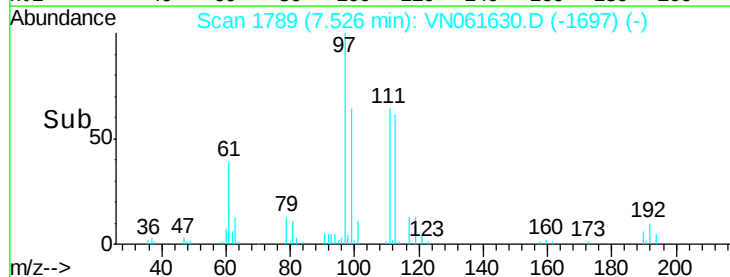
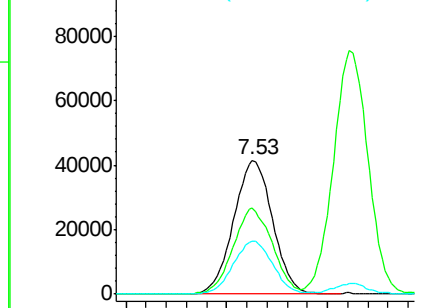
61 39.8 31.4 47.0

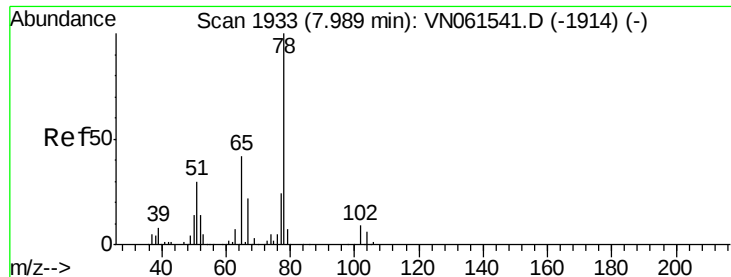


Abundance Ion 96.90 (96.60 to 97.60): VN061630.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN061630.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN061630.D (-1697) (-)





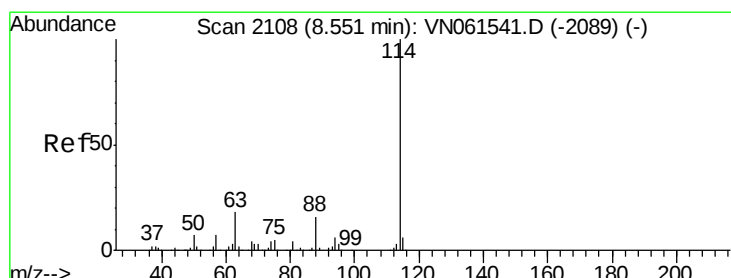
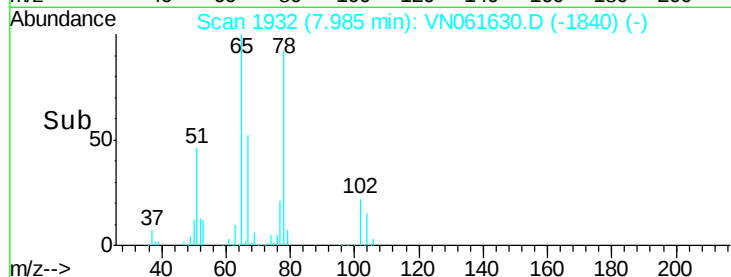
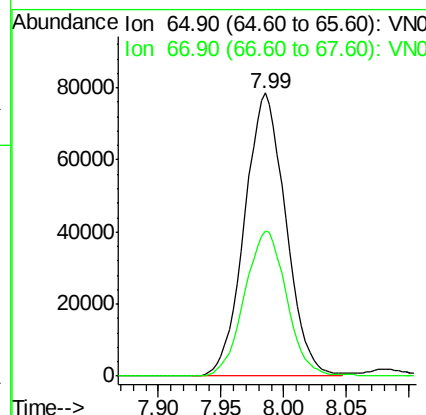
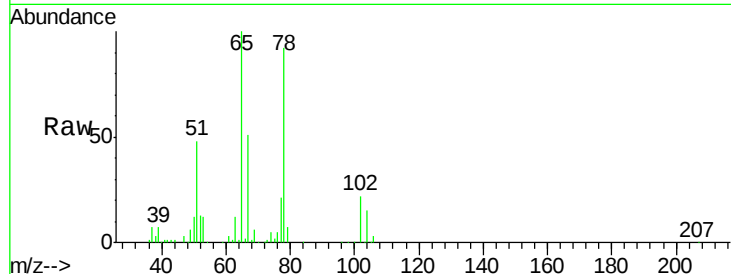
#33
 1,2-Dichloroethane-d4
 Concen: 46.107 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	179715		
67	52.3	0.0	104.8	

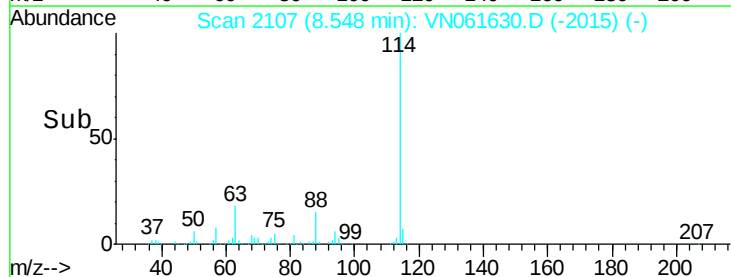
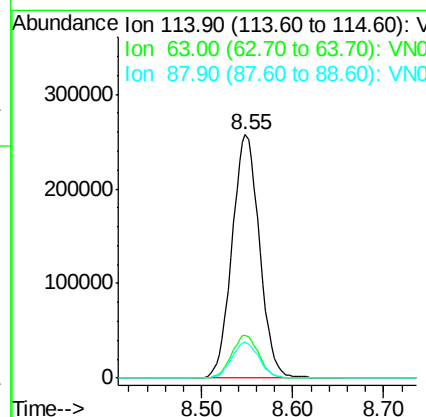
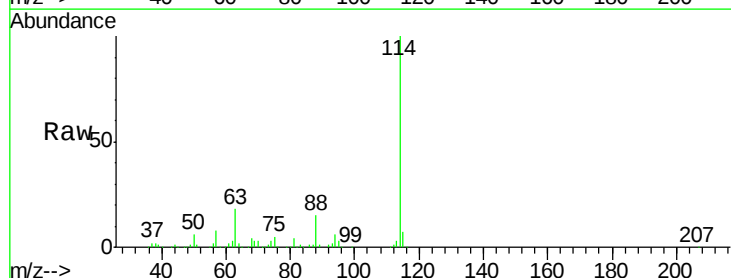
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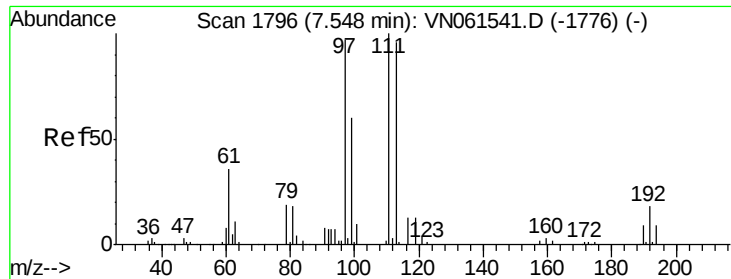
MMDadoda
 6/4/2020 3:08:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538802		
63	17.7	0.0	35.8	
88	14.6	0.0	31.0	





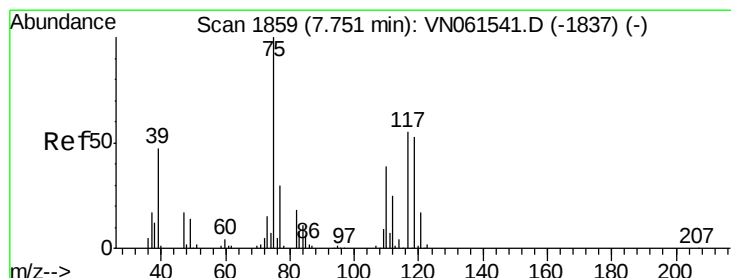
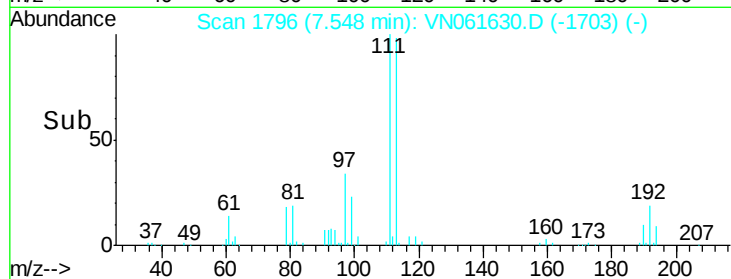
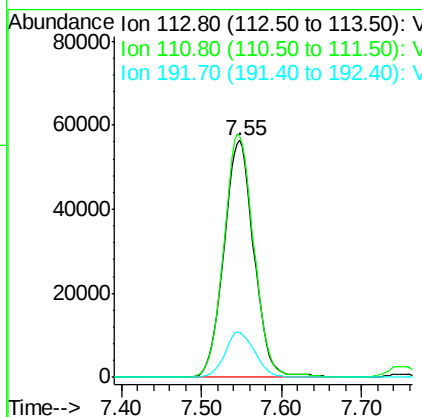
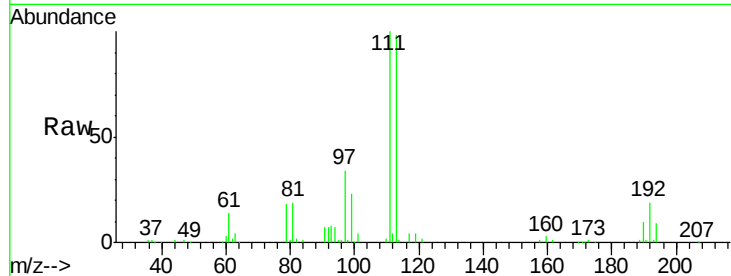
#35
Dibromofluoromethane
Concen: 52.853 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144460		
111	102.9	83.4	125.0	
192	19.1	15.4	23.2	

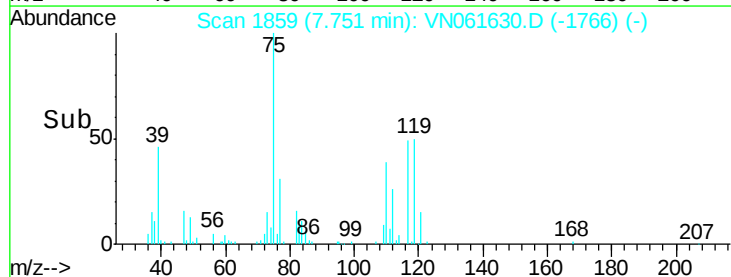
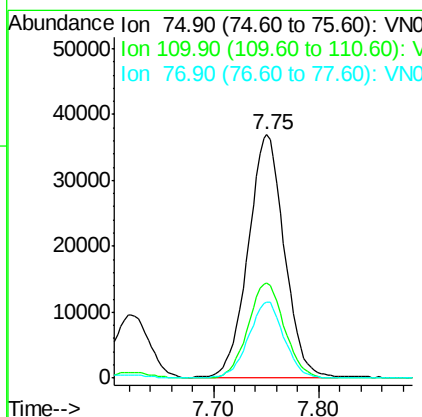
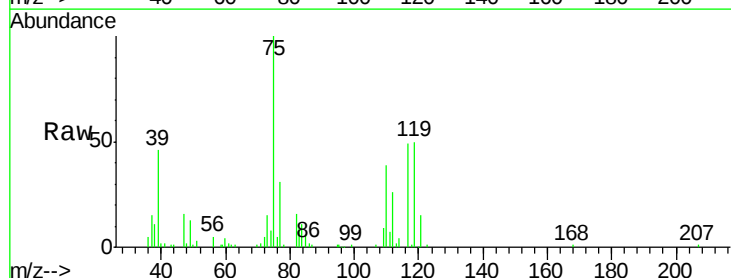
Manual Integrations
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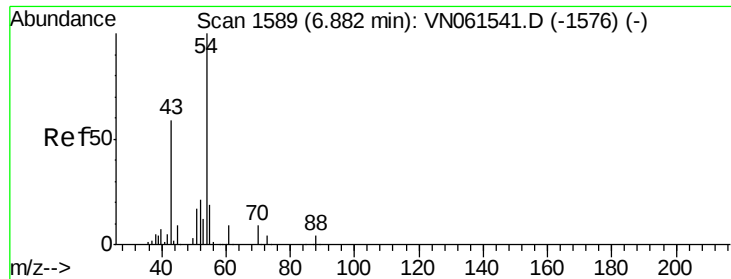
MMDadoda
6/4/2020 3:08:10 PM



#36
1,1-Dichloropropene
Concen: 18.569 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88571		
110	38.9	19.5	58.5	
77	30.5	24.7	37.1	





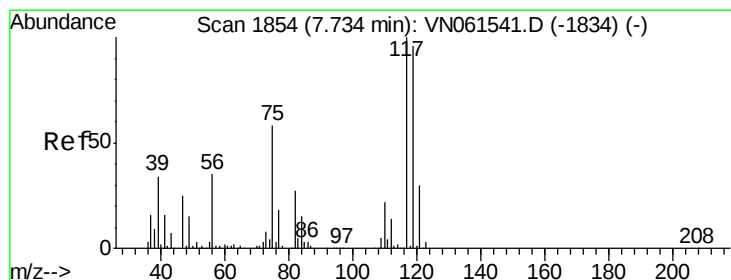
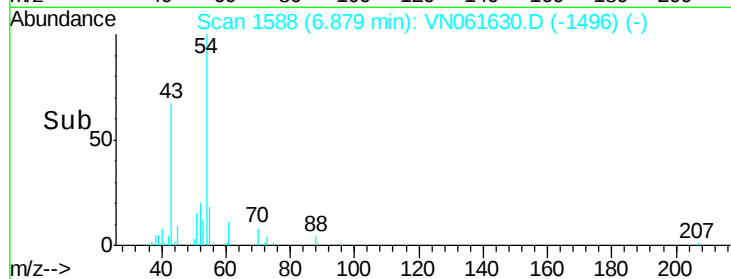
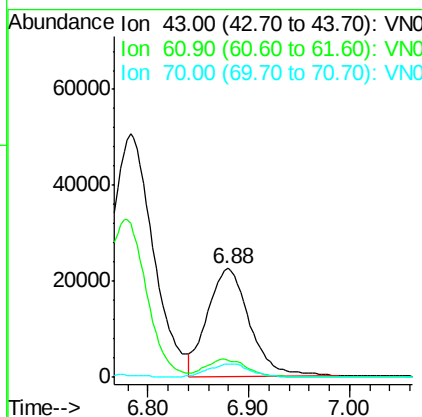
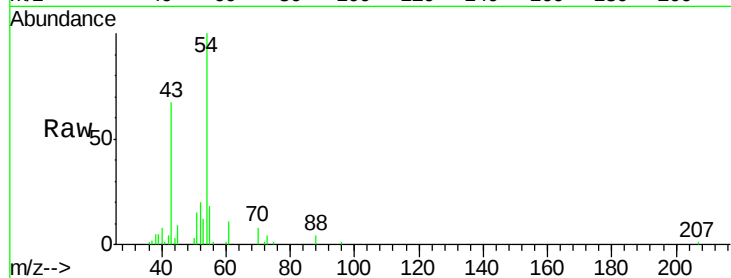
#37
Ethyl Acetate
Concen: 16.955 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	43	61	70
Resp	65136		
Ratio	100	16.8	12.5
Lower		12.2	9.4
Upper		18.4	14.2

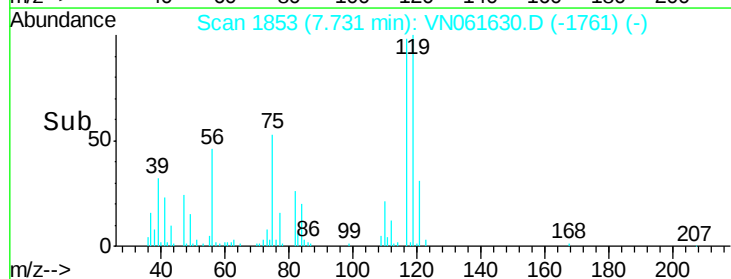
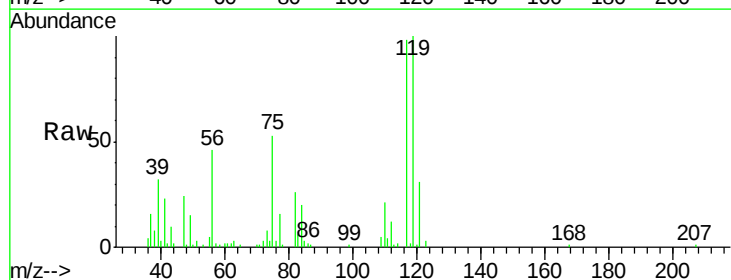
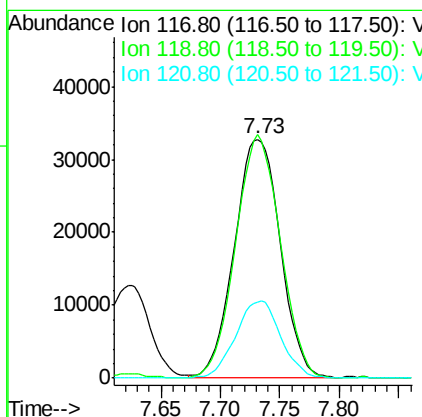
Manual Integrations
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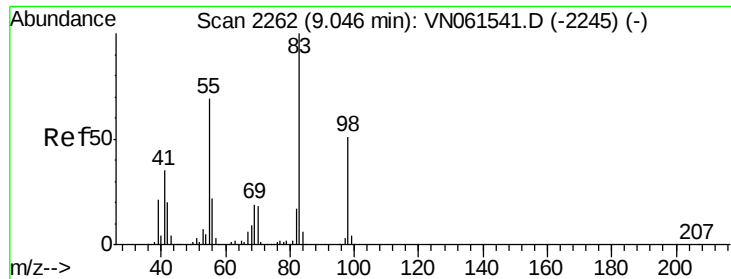
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.045 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	117	119	121
Resp	87623		
Ratio	100	102.0	32.0
Lower		76.5	24.1
Upper		114.7	36.1





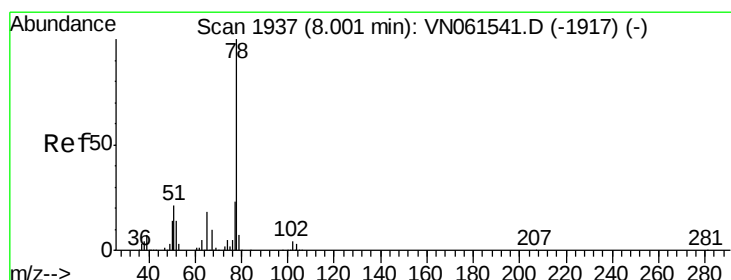
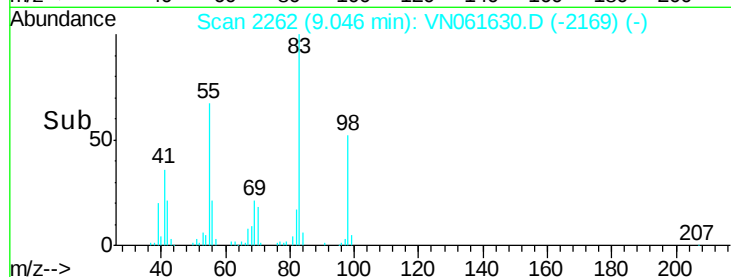
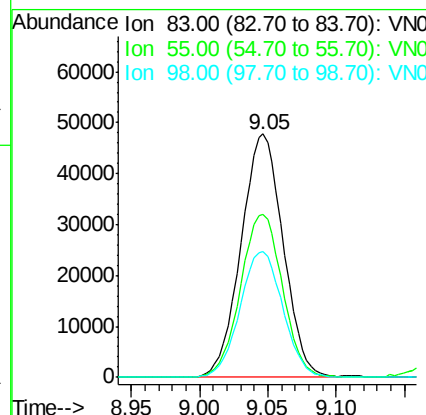
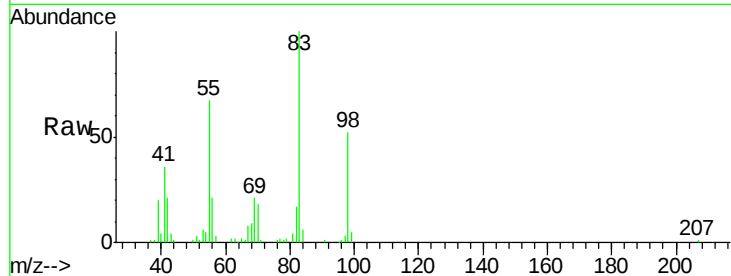
#39
Methvlcvclohexane
Concen: 17.399 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	54.9	82.3
98	51.5	41.0	61.4

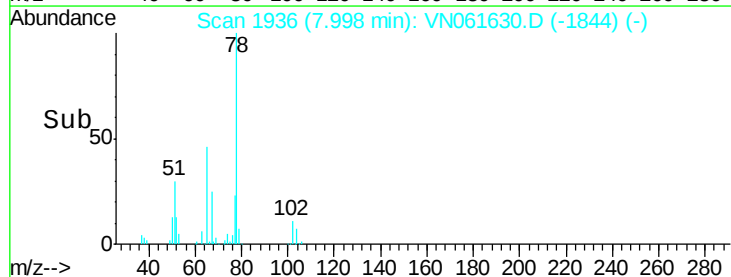
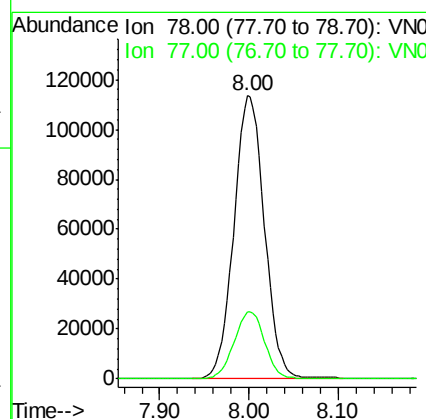
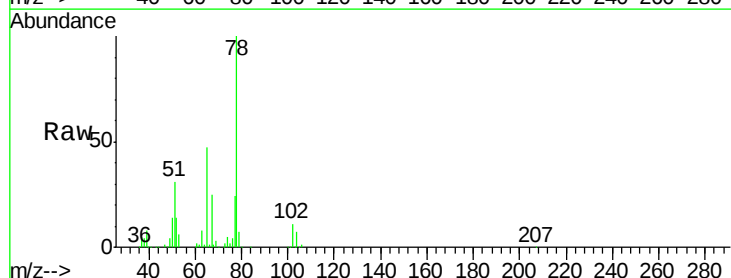
Manual Integrations
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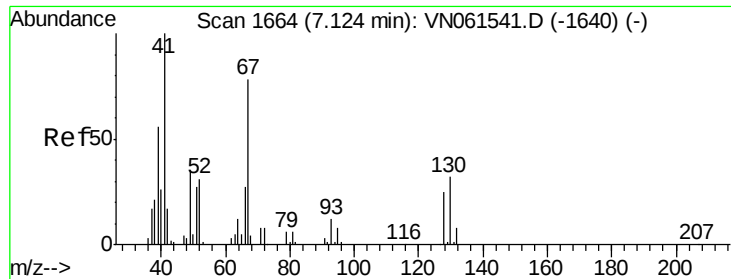
MMDadoda
6/4/2020 3:08:10 PM



#40
Benzene
Concen: 18.329 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





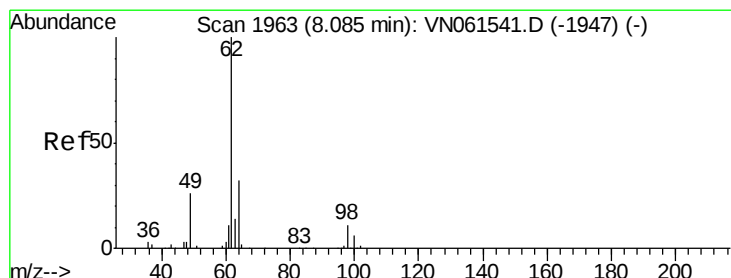
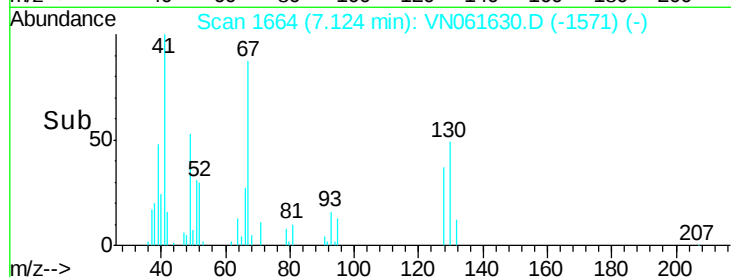
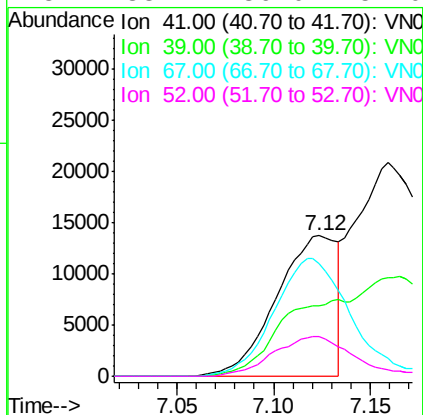
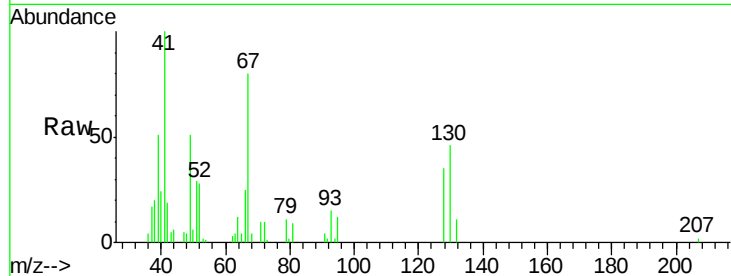
#41
Methacrylonitrile
Concen: 16.926 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	64.1	53.8	80.6	
67	106.8	91.1	136.7	
52	38.2	36.0	54.0	

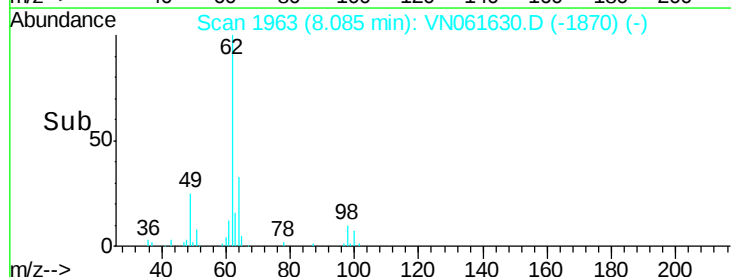
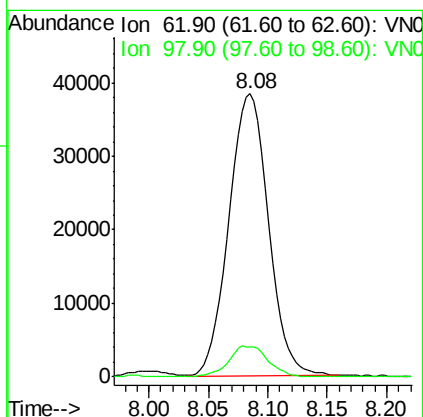
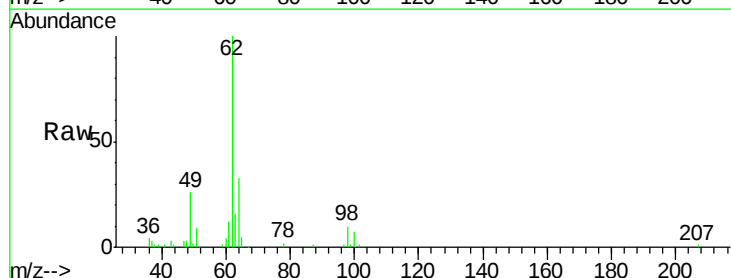
Manual Integrations
APPROVED

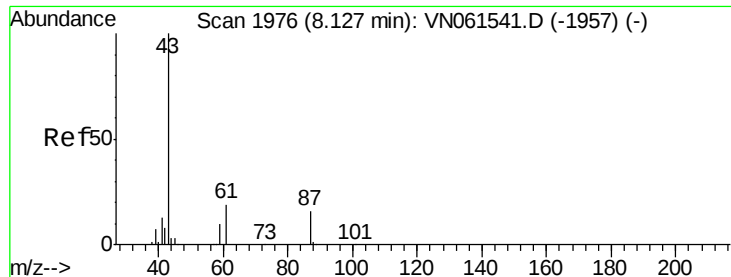
MMDadoda
6/4/2020 3:08:10 PM



#42
1,2-Dichloroethane
Concen: 18.020 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	21.4	





#43

Isopropyl Acetate

Concen: 16.367 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

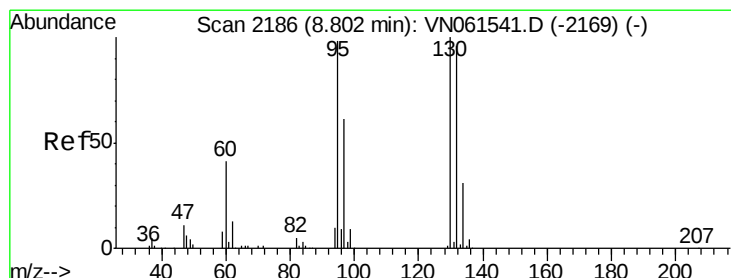
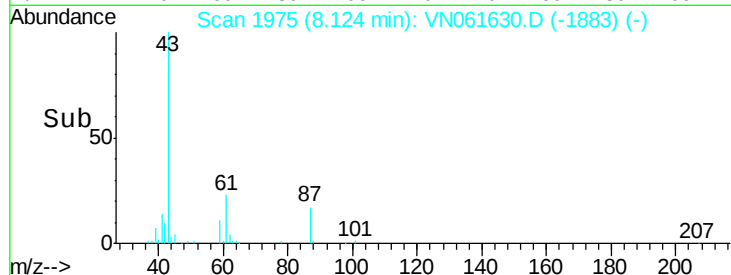
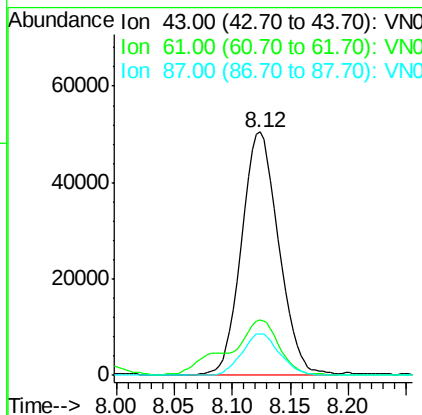
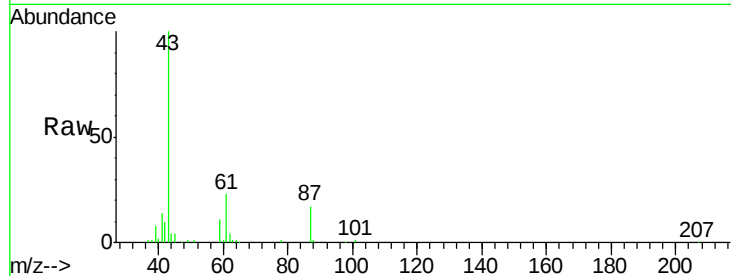
ClientSampleId :

VN0603WBS01

Tot Ion:	43	Resp:	113127
Ion	Ratio	Lower	Upper
43	100		
61	22.5	23.6	35.4#
87	17.2	13.0	19.6

Manual Integrations
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#44

Trichloroethene

Concen: 18.646 ug/l

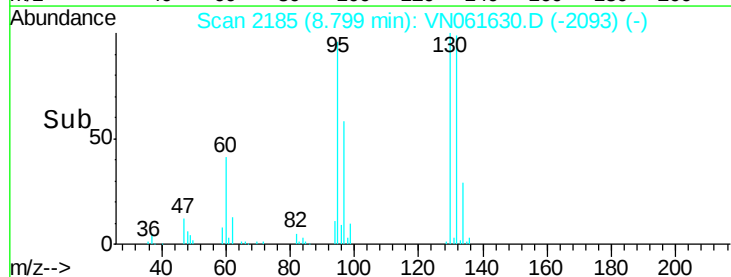
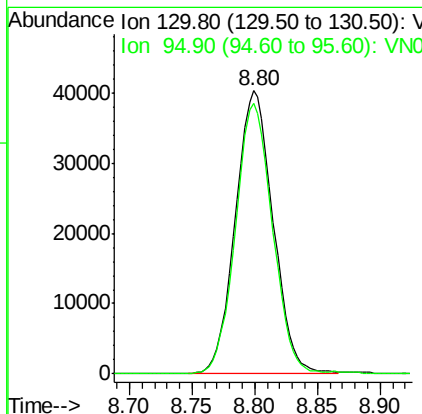
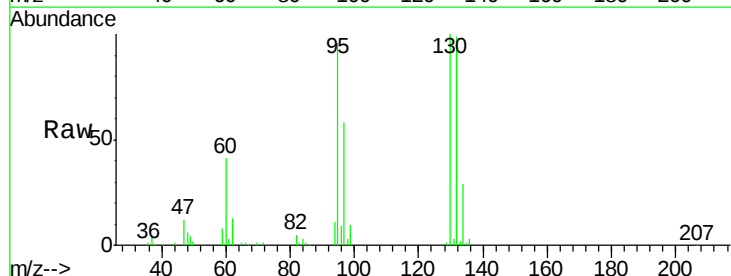
RT: 8.80 min Scan# 2185

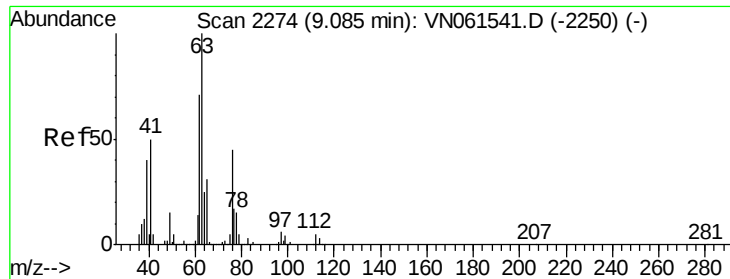
Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	130	Resp:	84333
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	196.6





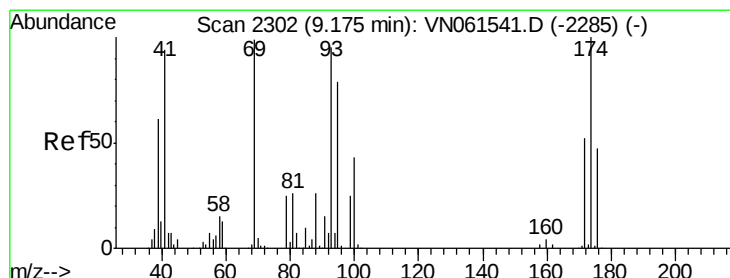
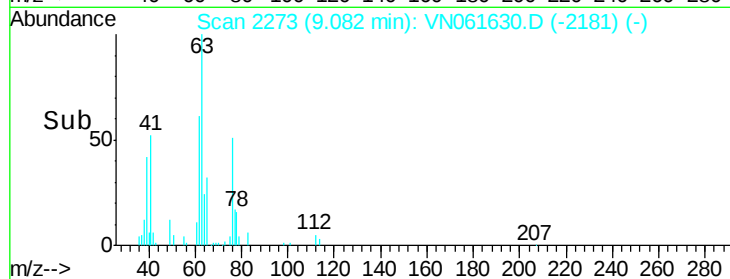
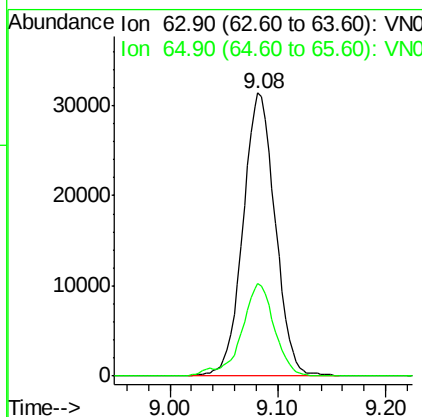
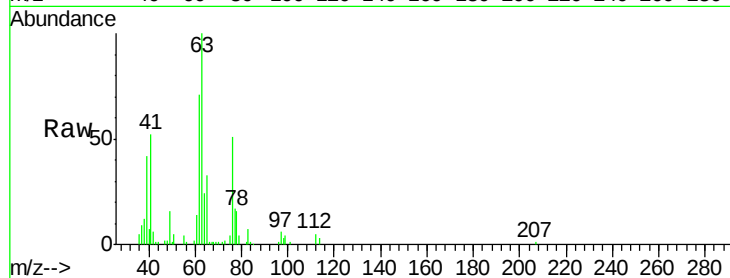
#45
 1,2-Dichloropropane
 Concen: 18.630 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion: 63 Resp: 65105
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.7 37.1

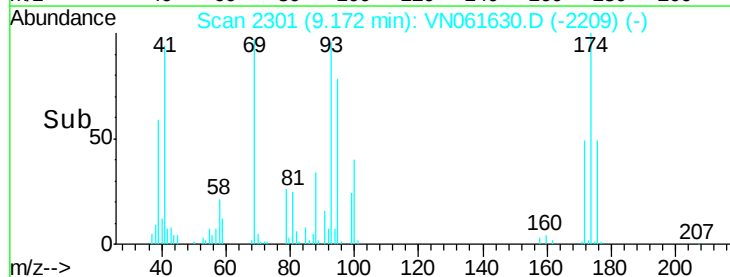
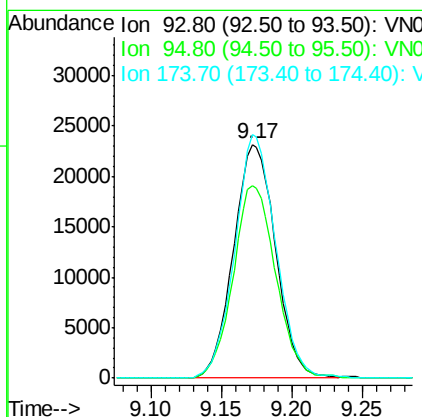
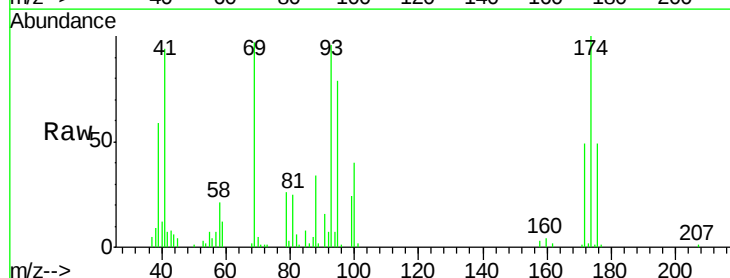
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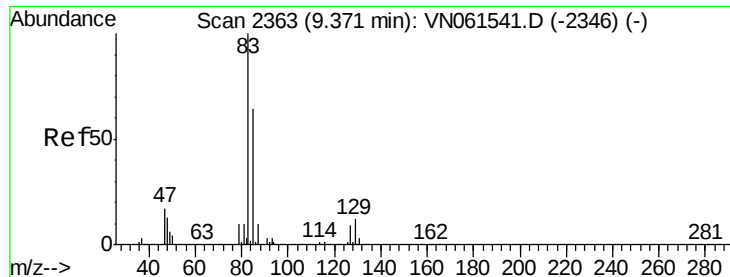
MMDadoda
 6/4/2020 3:08:10 PM



#46
 Dibromomethane
 Concen: 18.071 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion: 93 Resp: 48434
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.0 99.0
 174 101.6 82.5 123.7





#47

Bromodichloromethane

Concen: 18.400 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

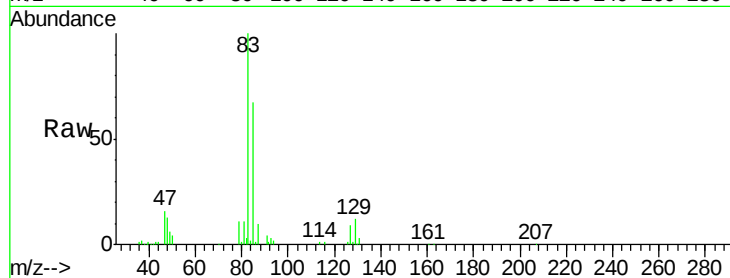
ClientSampleId :

VN0603WBS01

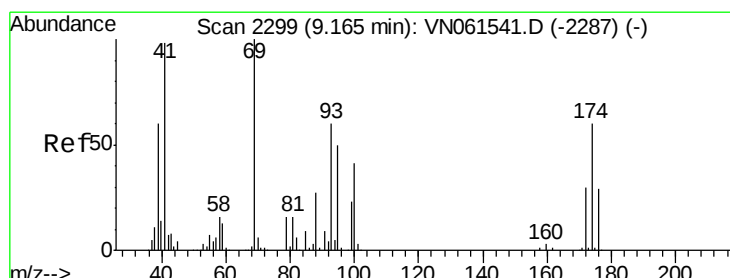
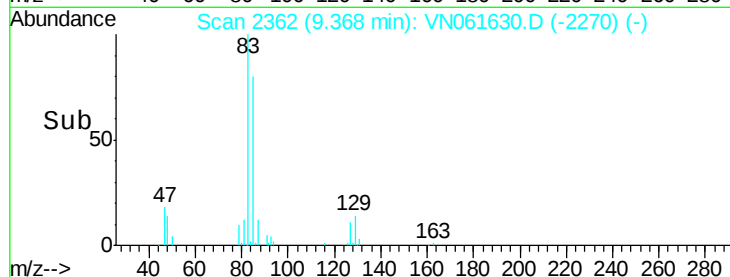
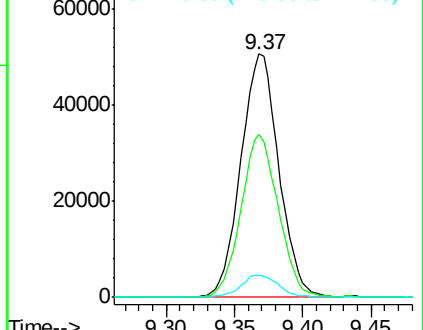
Tot Ion:	83	Resp:	97706
Ion Ratio	Lower	Upper	
83	100		
85	66.9	51.1	76.7
127	8.9	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN061630.D (-2270) (-)



#48

Methyl methacrylate

Concen: 15.240 ug/l

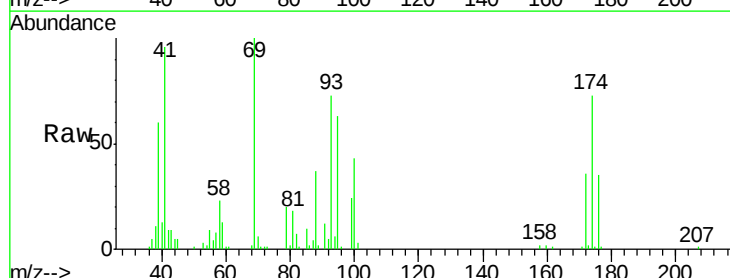
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

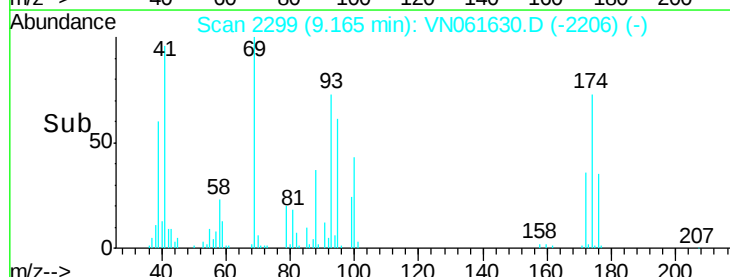
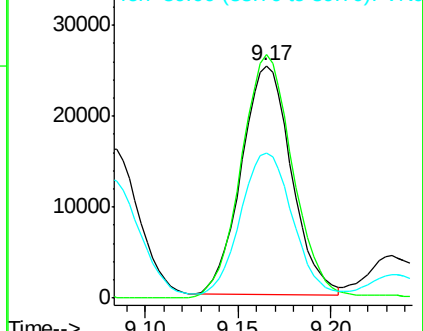
Lab File: VN061630.D

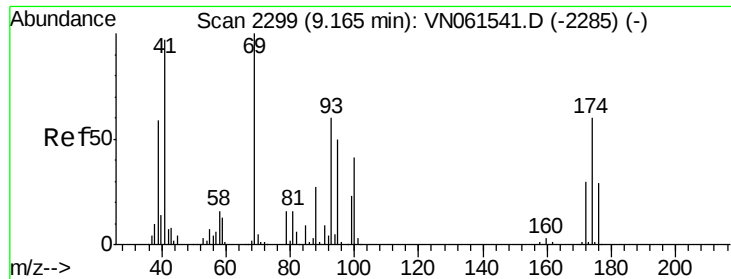
Acq: 3 Jun 2020 11:47

Tgt Ion:	41	Resp:	47393
Ion Ratio	Lower	Upper	
41	100		
69	109.8	83.9	125.9
39	67.6	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061630.D (-2206) (-)





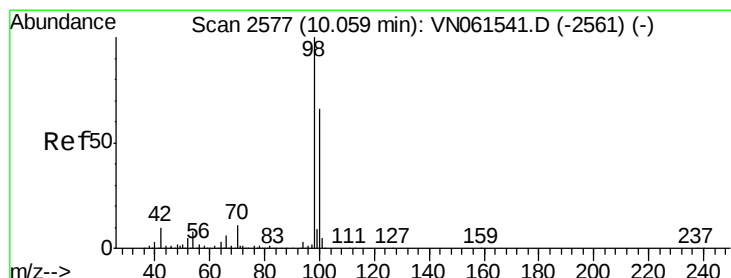
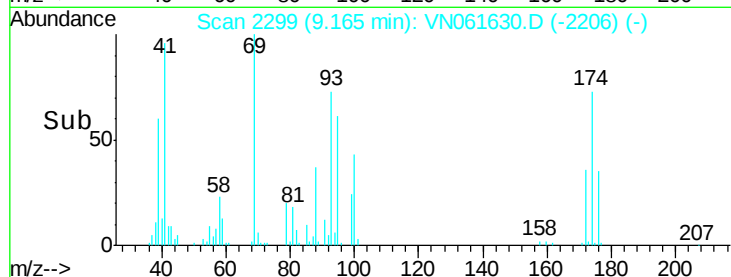
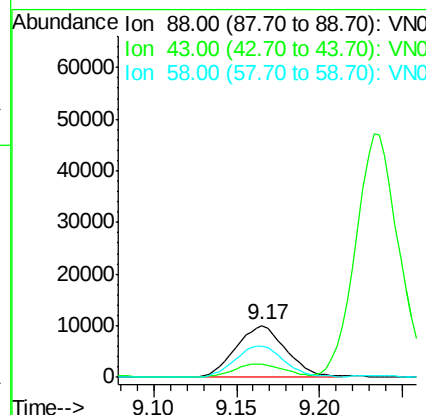
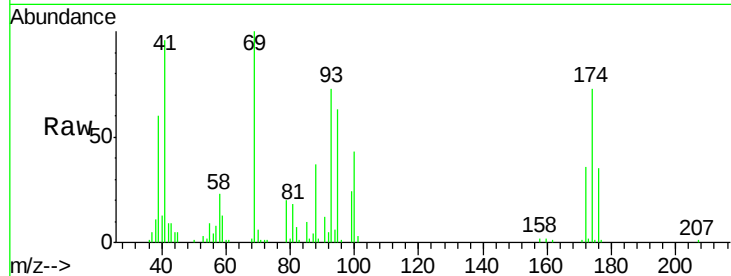
#49
1,4-Dioxane
Concen: 436.848 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	88	Resp	21045
Ion Ratio	100	Lower	Upper
88	100		
43	25.3	23.1	34.7
58	59.4	48.3	72.5

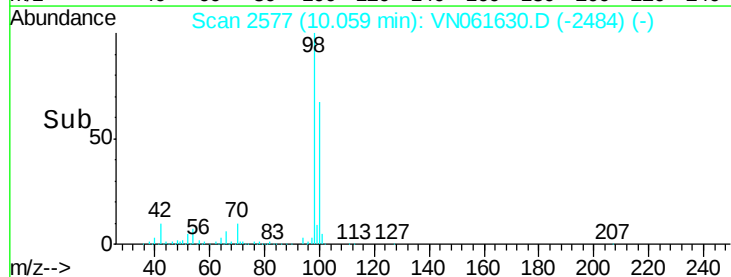
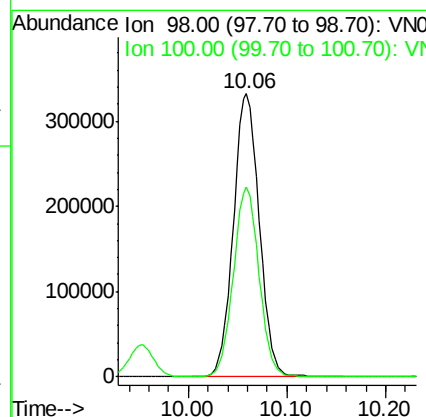
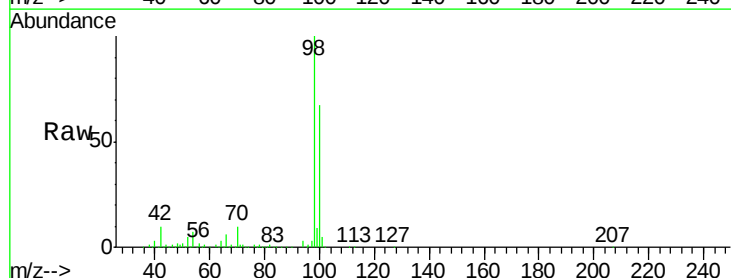
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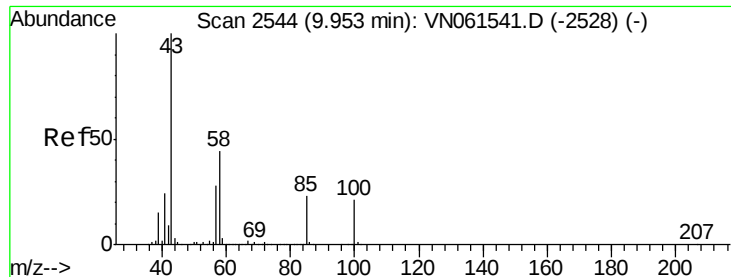
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#50
Toluene-d8
Concen: 48.167 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	98	Resp	610090
Ion Ratio	100	Lower	Upper
98	100		
100	66.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 82.453 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion: 43 Resp: 321149

Ion Ratio Lower Upper

43 100

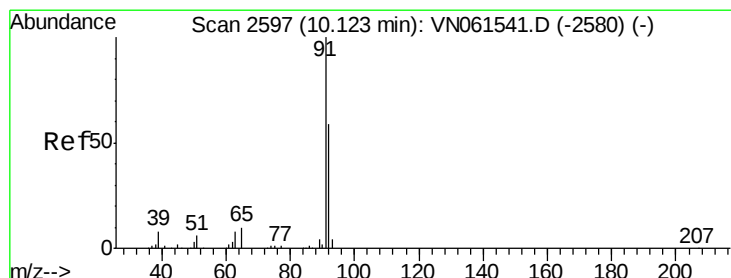
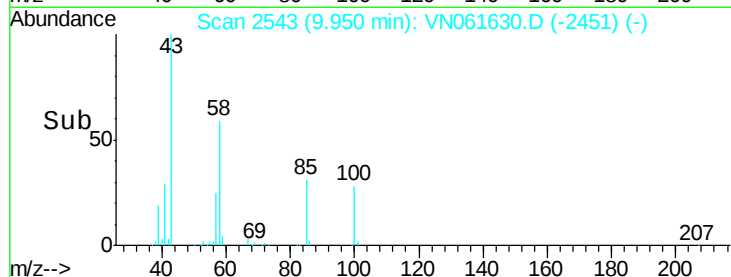
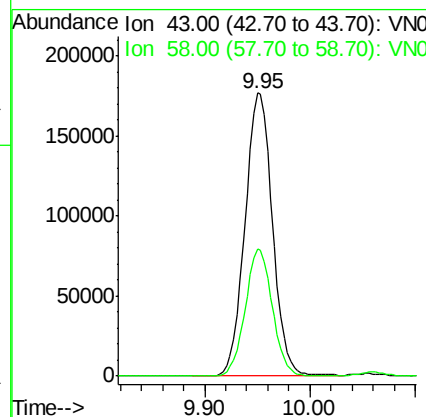
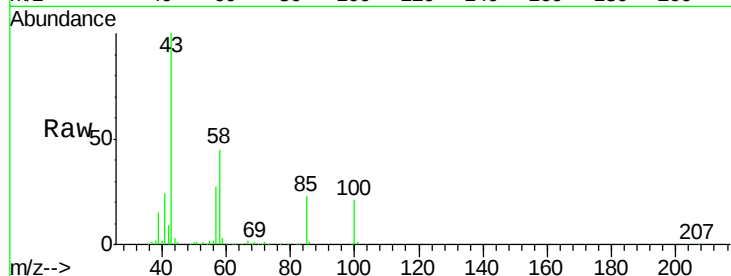
58 44.0 35.0 52.6

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#52

Toluene

Concen: 18.871 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061630.D

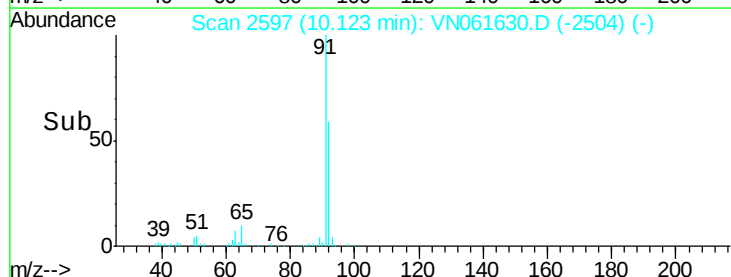
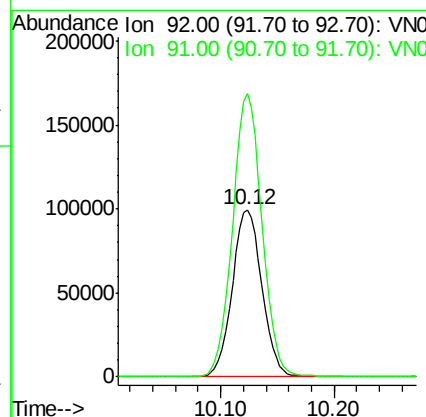
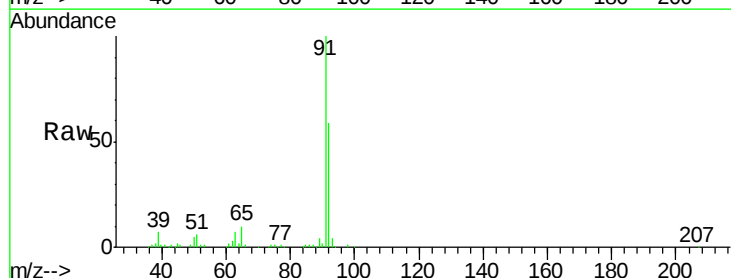
Acq: 3 Jun 2020 11:47

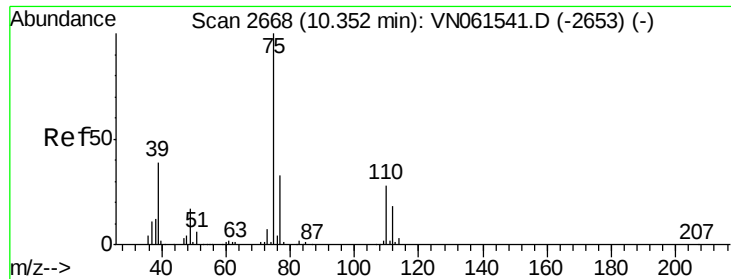
Tgt Ion: 92 Resp: 181268

Ion Ratio Lower Upper

92 100

91 168.3 136.4 204.6





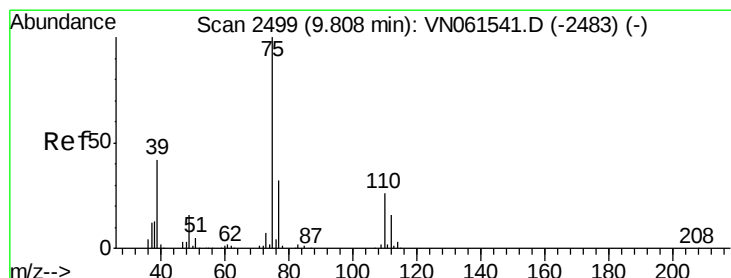
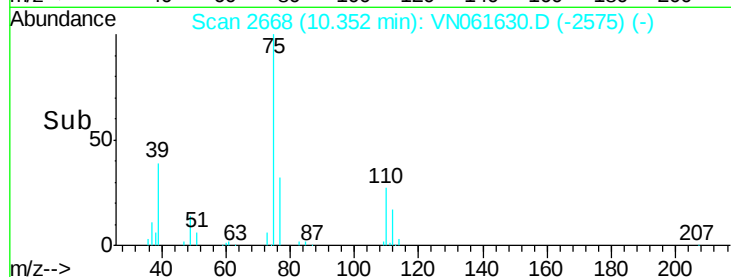
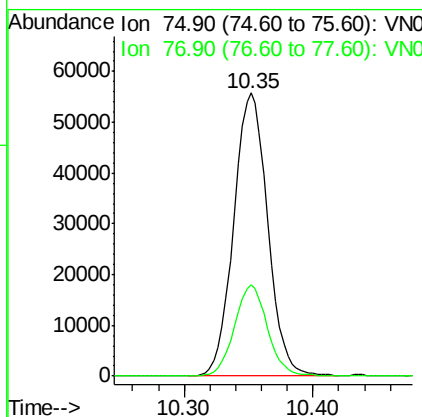
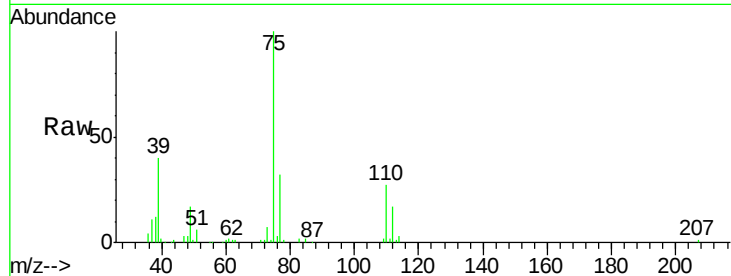
#53
t-1,3-Dichloropropene
Concen: 17.853 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 75 Resp: 102124
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.4

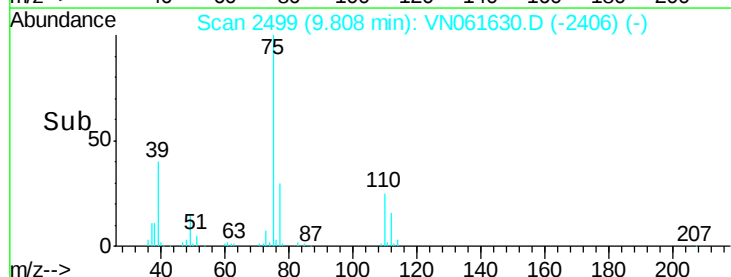
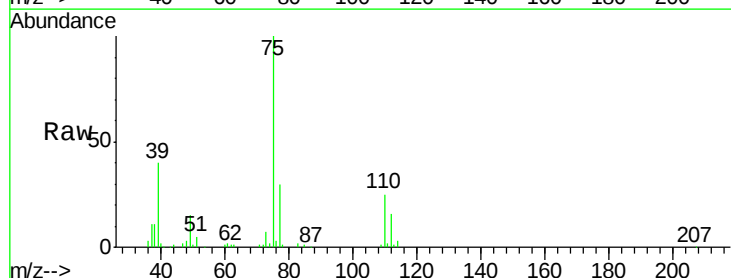
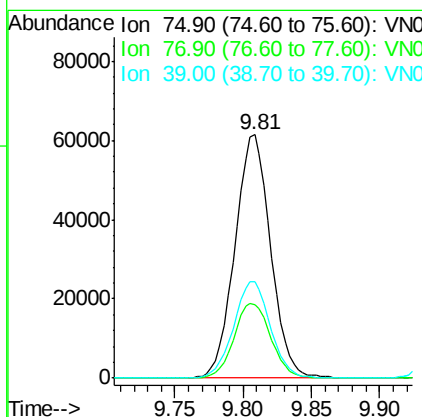
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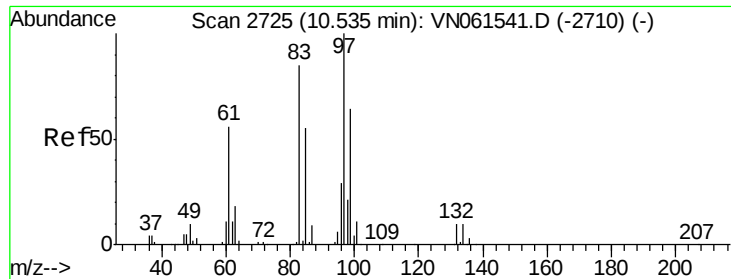
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#54
cis-1,3-Dichloropropene
Concen: 18.179 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion: 75 Resp: 111815
Ion Ratio Lower Upper
75 100
77 30.2 25.4 38.2
39 39.7 33.8 50.6





#55

1,1,2-Trichloroethane

Concen: 18.577 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

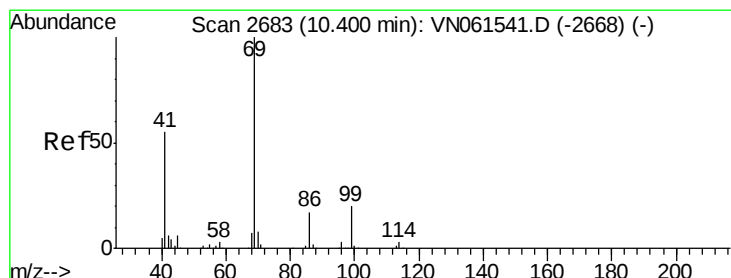
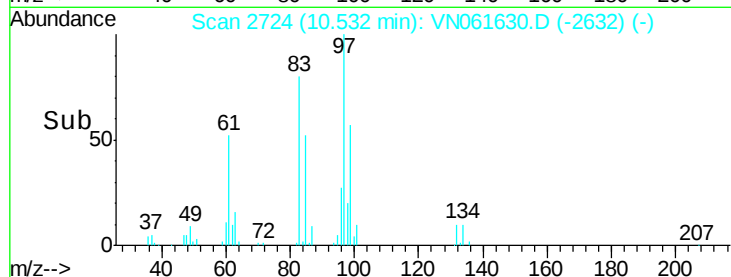
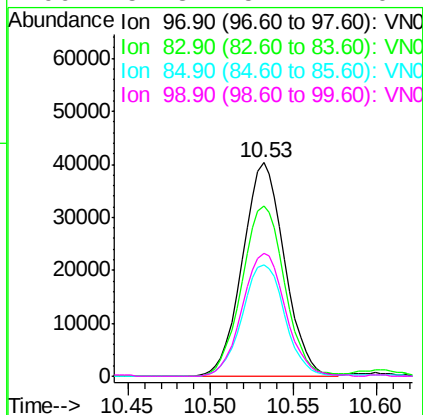
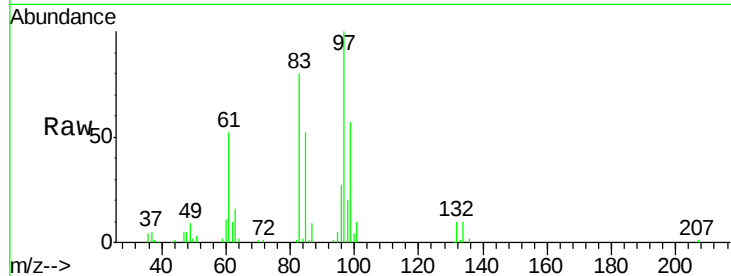
ClientSampled :

VN0603WBS01

Tot Ion:	97	Resp:	71091
Ion	Ratio	Lower	Upper
97	100		
83	79.6	68.1	102.1
85	51.9	44.1	66.1
99	57.3	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.180 ug/l

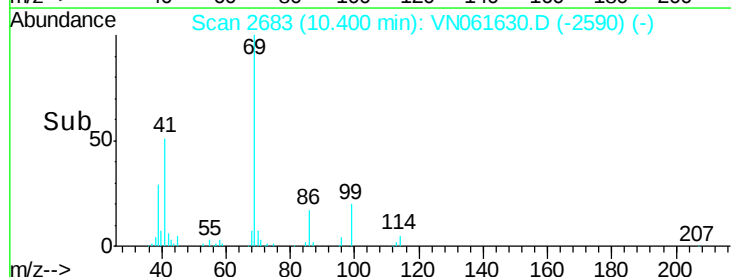
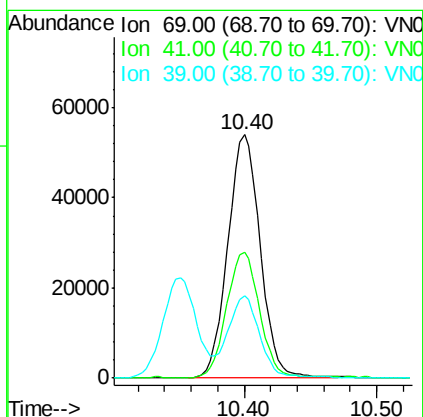
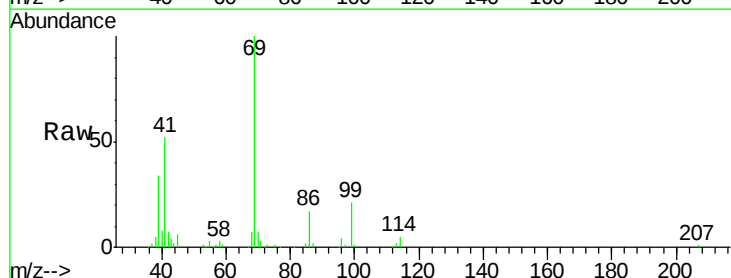
RT: 10.40 min Scan# 2683

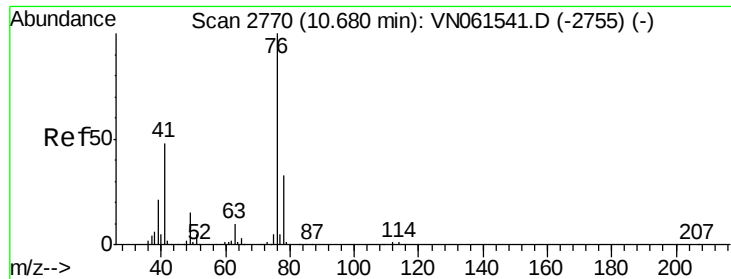
Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	69	Resp:	91841
Ion	Ratio	Lower	Upper
69	100		
41	53.4	43.5	65.3
39	31.8	27.0	40.6





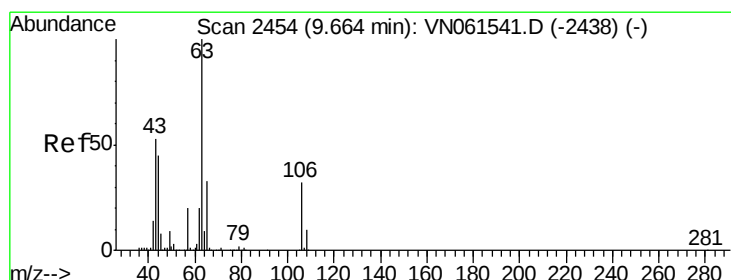
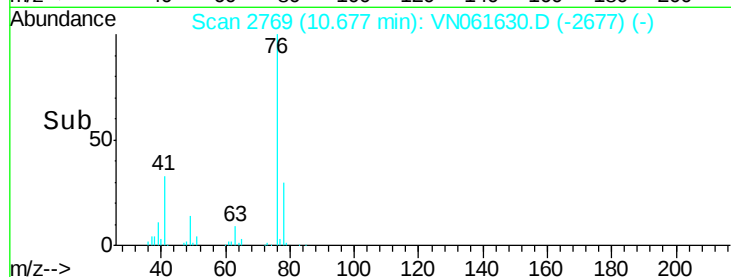
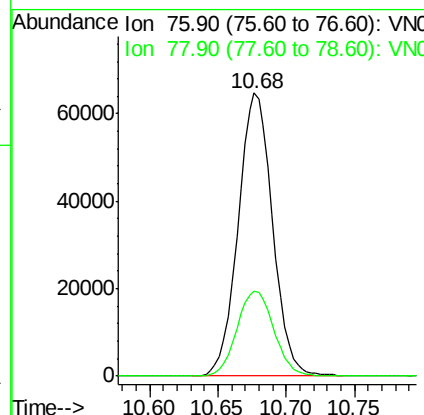
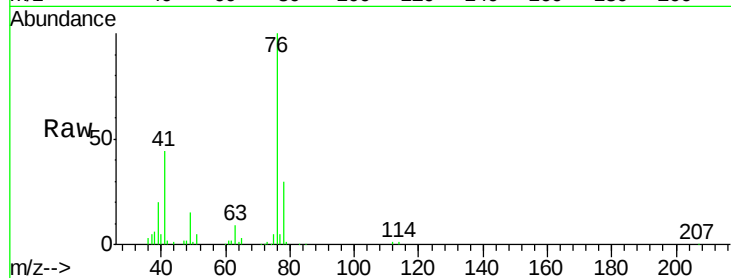
#57
 1,3-Dichloropropane
 Concen: 18.511 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

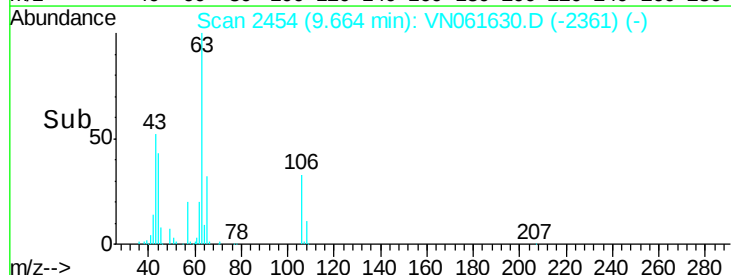
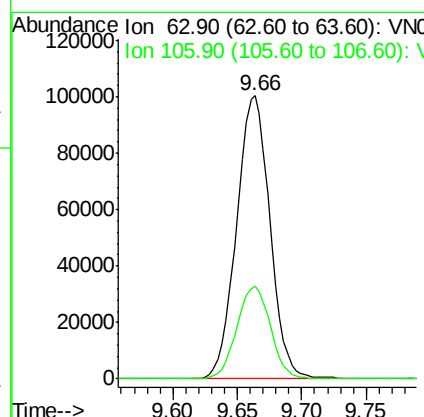
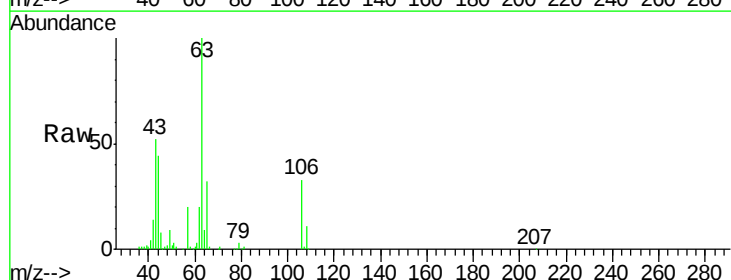
Manual Integrations
 APPROVED

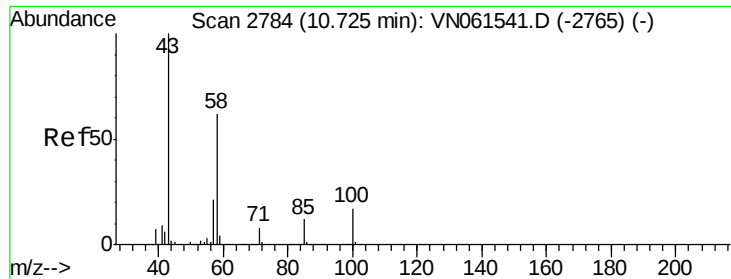
MMDadoda
 6/4/2020 3:08:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.160 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.9	25.9	38.9





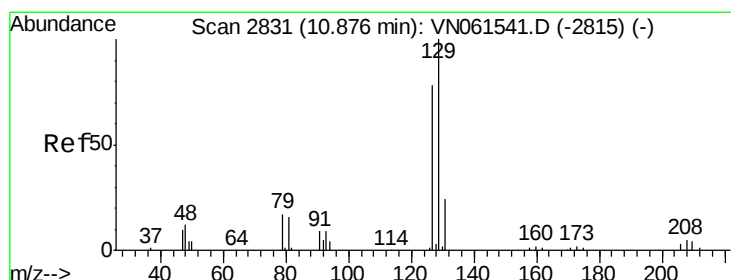
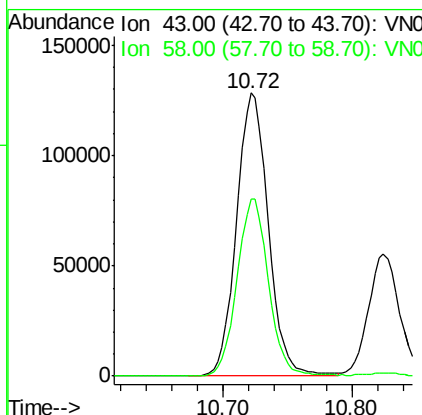
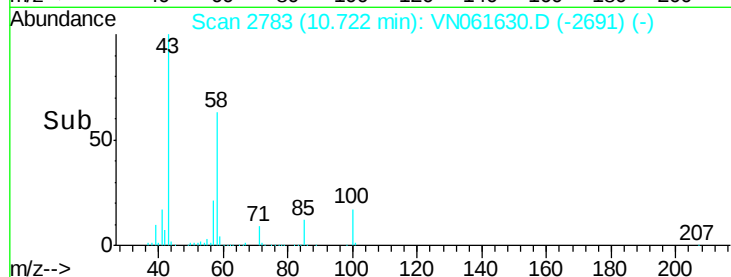
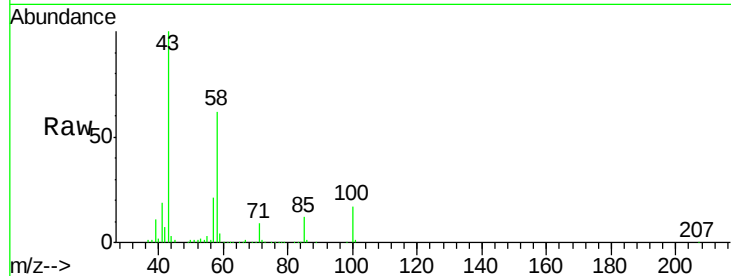
#59
2-Hexanone
Concen: 78.928 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion: 43 Resp: 220781
Ion Ratio Lower Upper
43 100
58 62.1 30.7 92.1

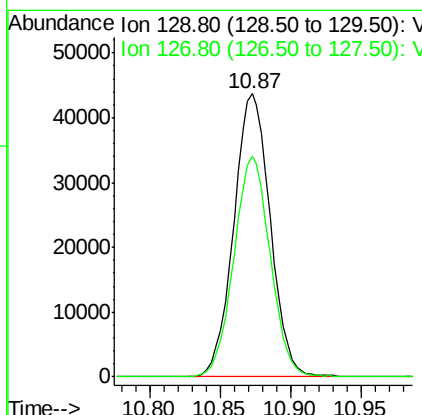
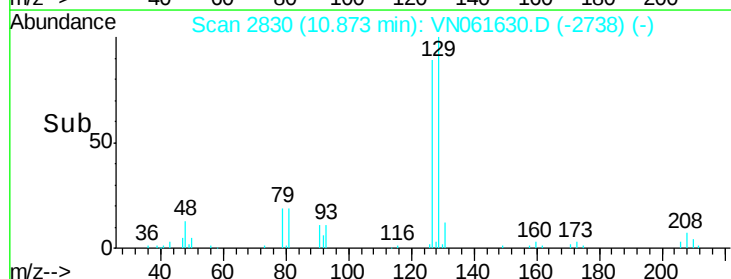
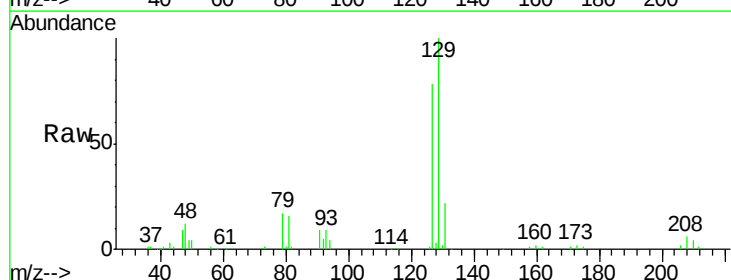
Manual Integrations
APPROVED

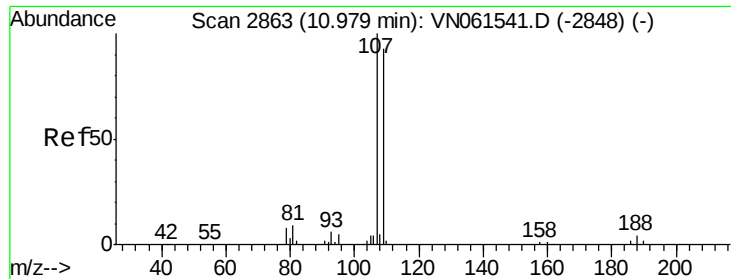
MMDadoda
6/4/2020 3:08:10 PM



#60
Dibromochloromethane
Concen: 18.190 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion: 129 Resp: 79141
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3





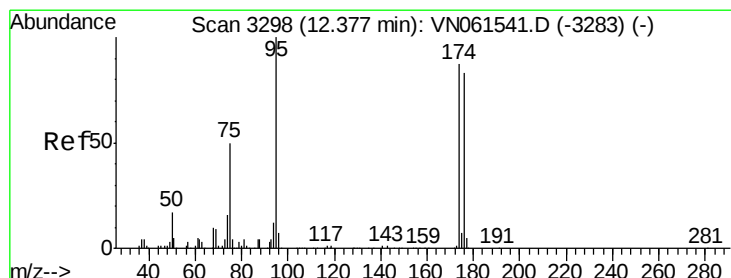
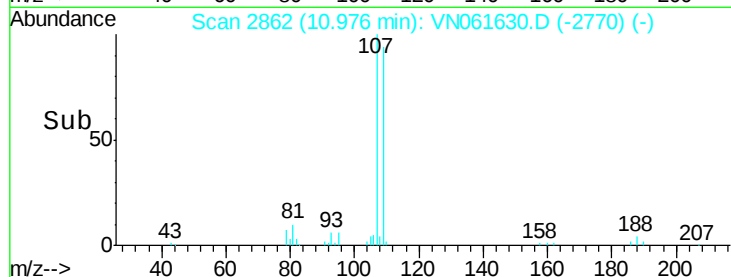
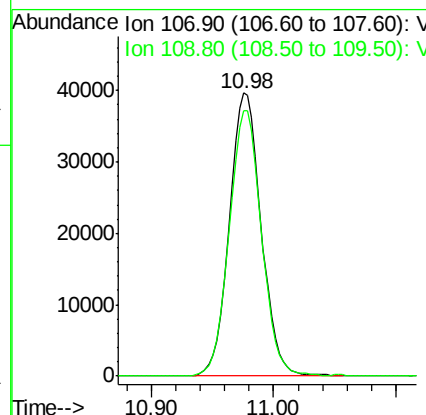
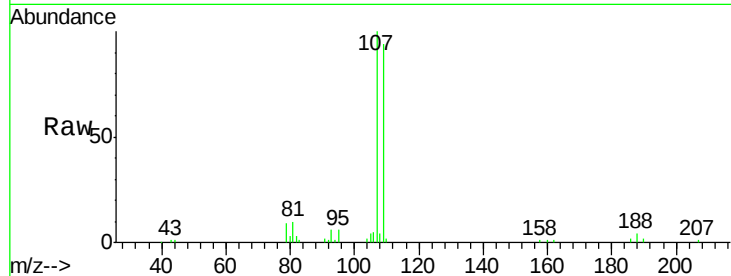
#61
 1,2-Dibromoethane
 Concen: 18.113 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

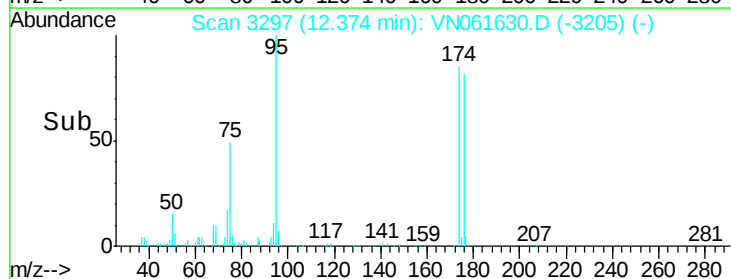
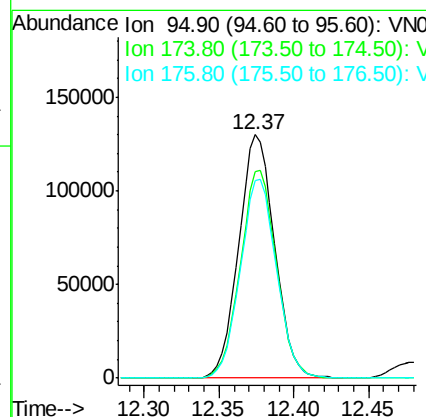
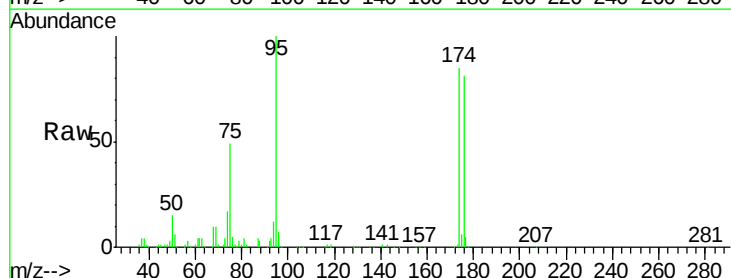
Manual Integrations
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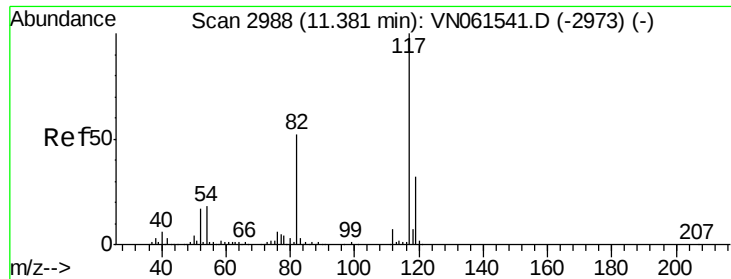
MMDadoda
 6/4/2020 3:08:10 PM



#62
 4-Bromofluorobenzene
 Concen: 47.061 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	172.8
176	82.2	0.0	164.8





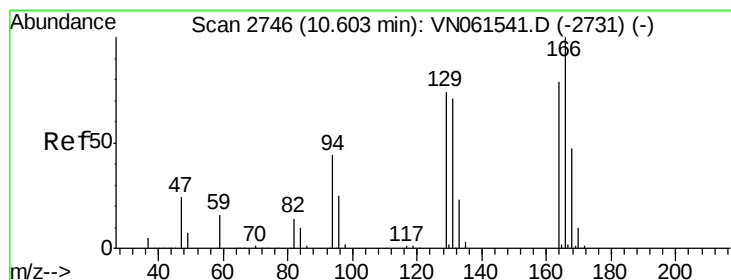
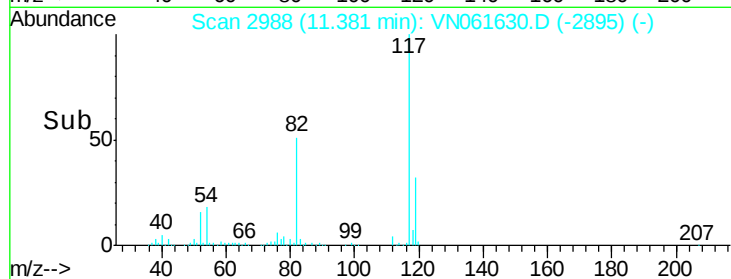
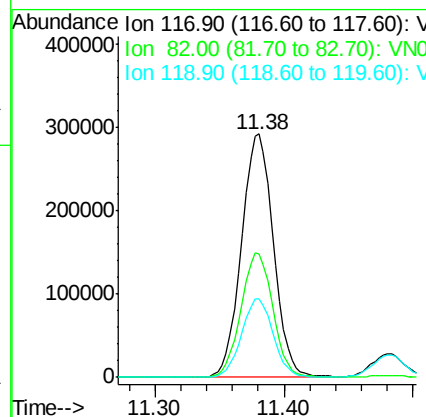
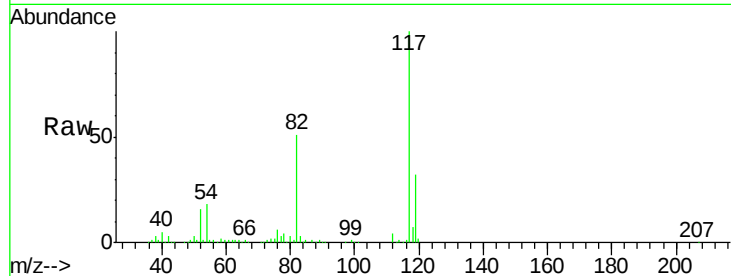
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	504225		
82	50.6		41.5	62.3
119	32.1		25.6	38.4

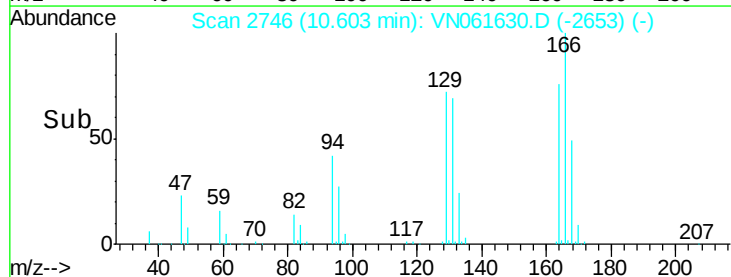
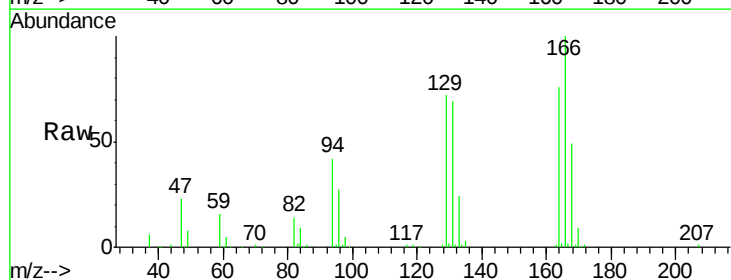
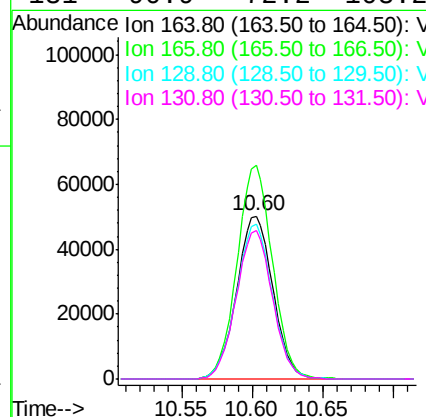
Manual Integrations
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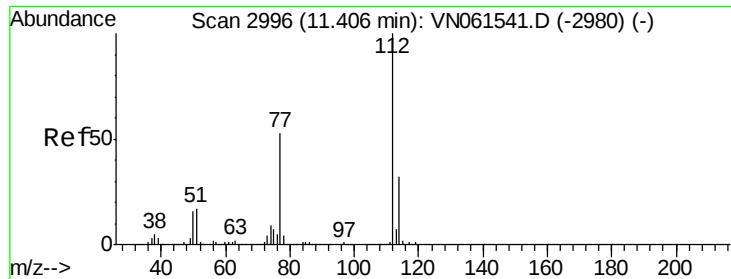
MMDadoda
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#64
Tetrachloroethene
Concen: 19.086 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90588		
166	131.3		101.5	152.3
129	95.1		74.9	112.3
131	90.9		72.2	108.2





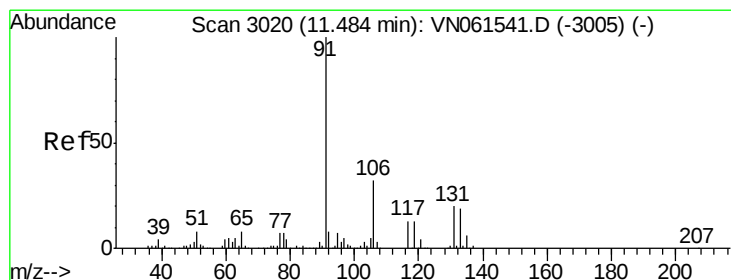
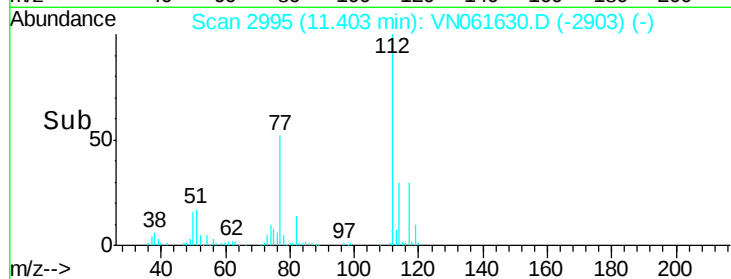
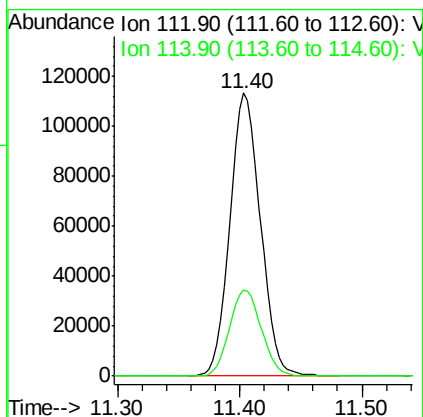
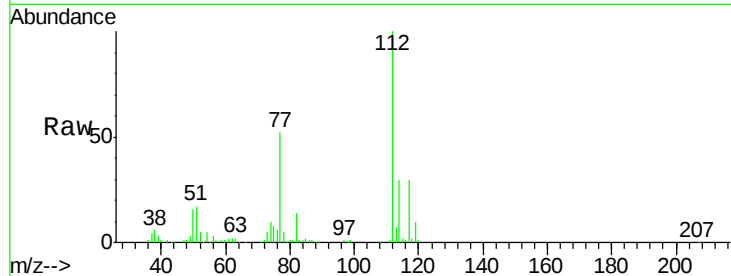
#65
Chlorobenzene
Concen: 18.845 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.7	38.5

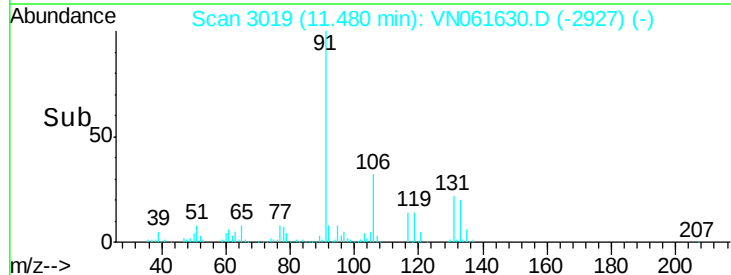
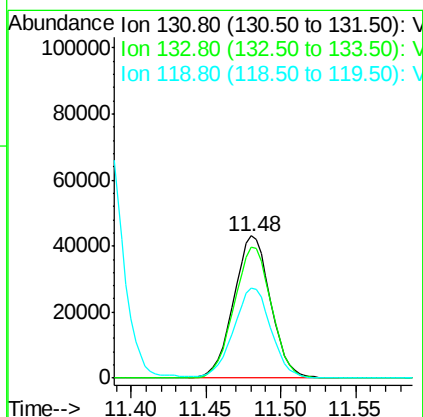
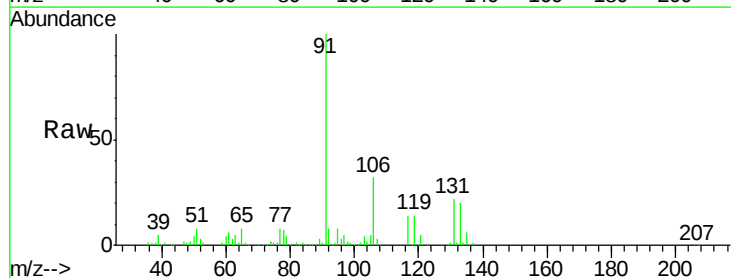
Manual Integrations
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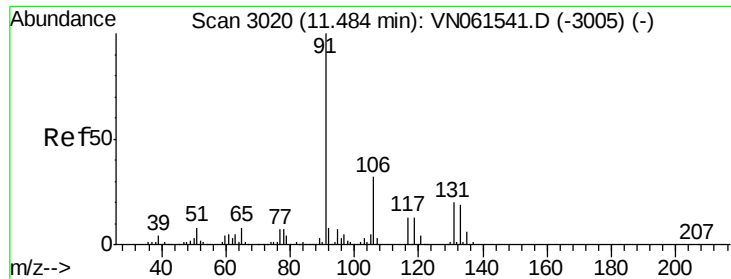
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.985 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.4	142.2
119	64.7	32.6	97.8





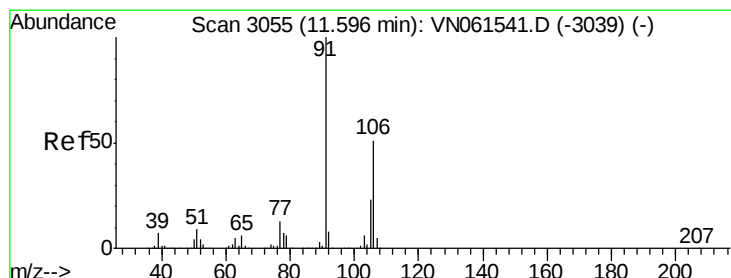
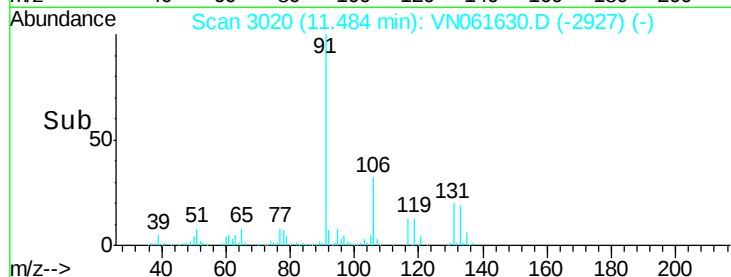
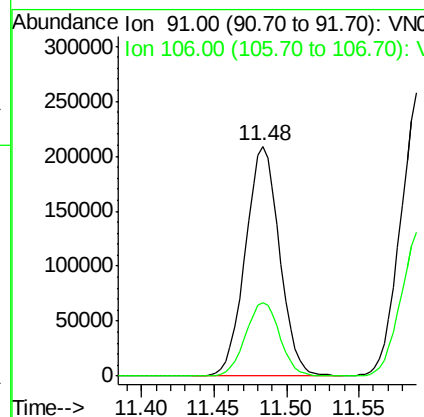
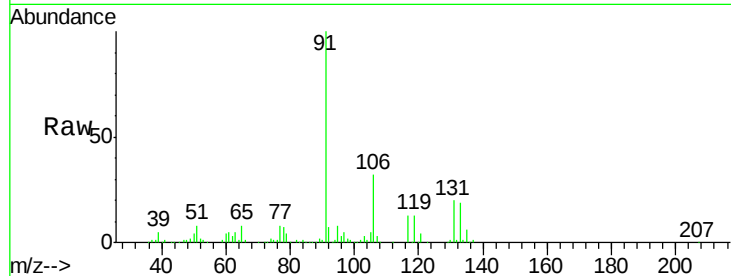
#67
Ethyl Benzene
Concen: 18.898 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion: 91 Resp: 342339
Ion Ratio Lower Upper
91 100
106 32.1 25.6 38.4

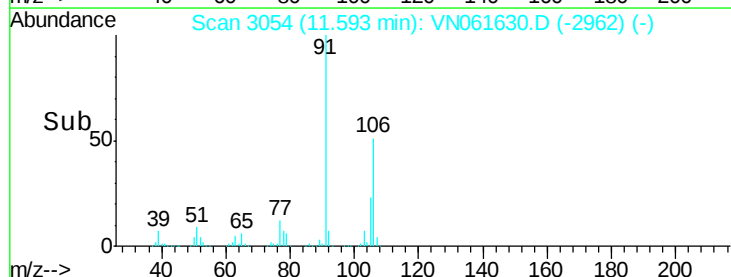
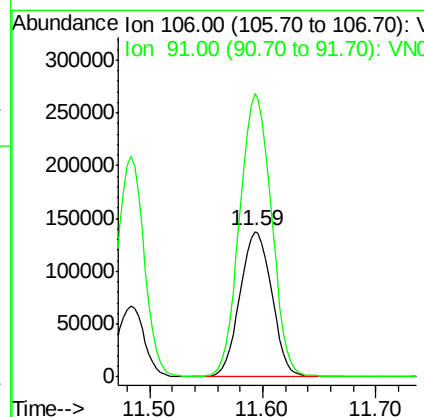
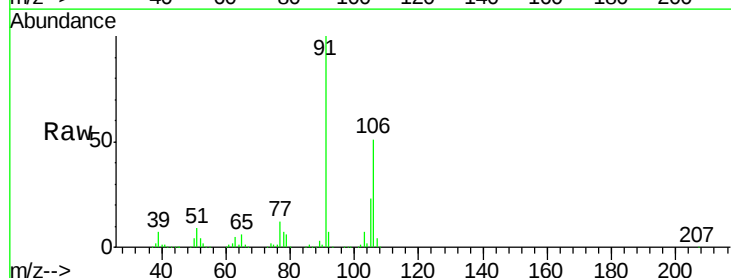
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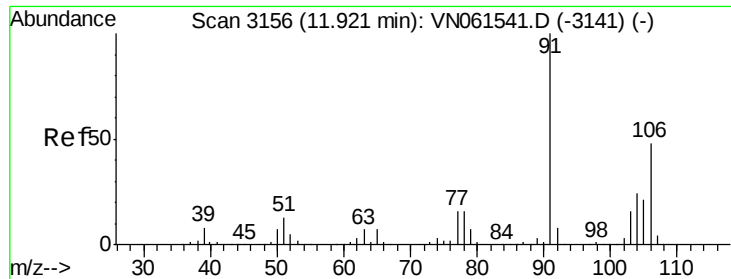
MMDadoda
6/4/2020 3:08:10 PM



#68
m/p-Xylenes
Concen: 37.575 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion: 106 Resp: 269894
Ion Ratio Lower Upper
106 100
91 194.9 156.2 234.4





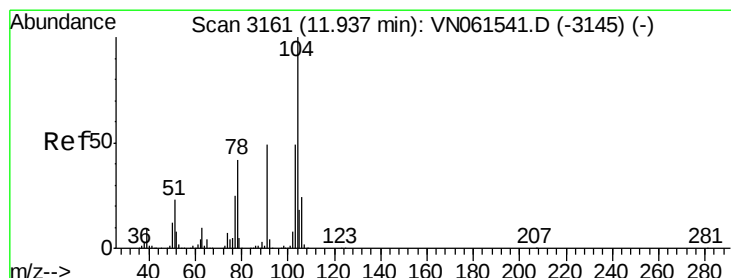
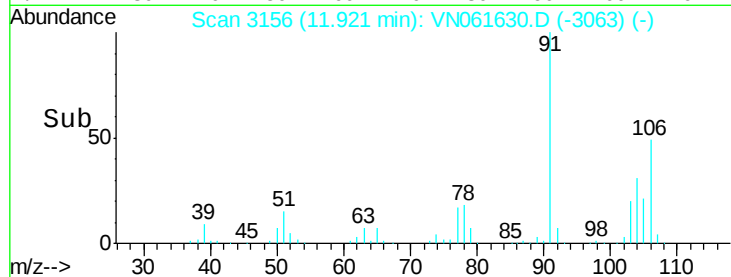
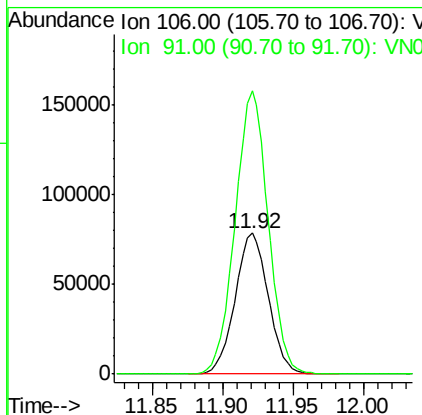
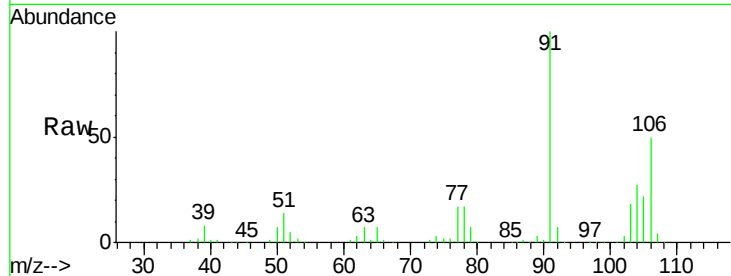
#69
o-Xylene
Concen: 19.031 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0603WBS01

Tot Ion:106 Resp: 129831
Ion Ratio Lower Upper
106 100
91 199.8 103.3 309.8

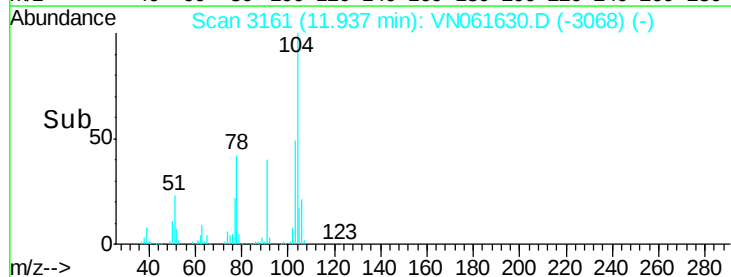
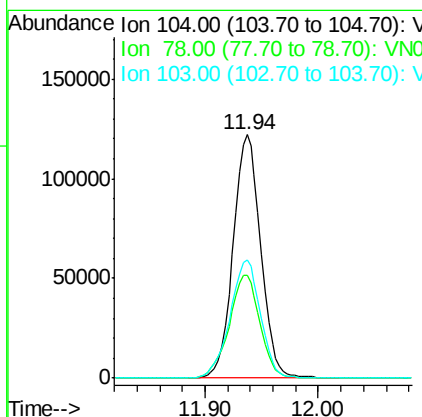
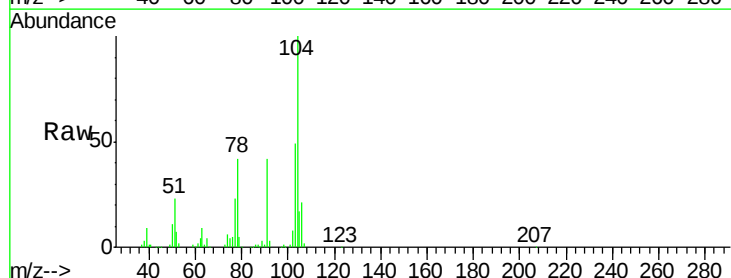
Manual Integrations
APPROVED

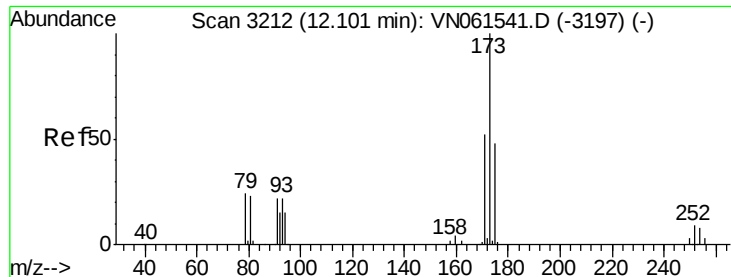
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#70
Styrene
Concen: 18.334 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion:104 Resp: 207135
Ion Ratio Lower Upper
104 100
78 47.2 37.4 56.0
103 53.6 42.3 63.5





#71

Bromoform

Concen: 17.026 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion:173 Resp: 51199

Ion Ratio Lower Upper

173 100

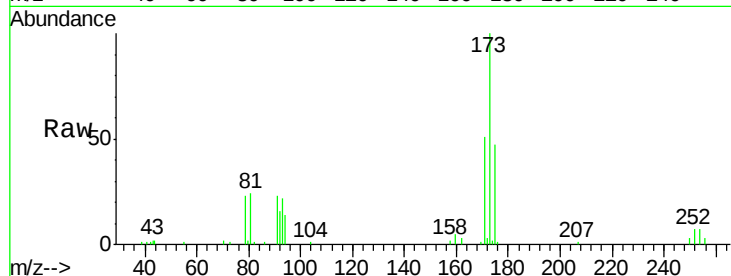
175 47.5 24.4 73.2

254 0.0 0.0 0.0

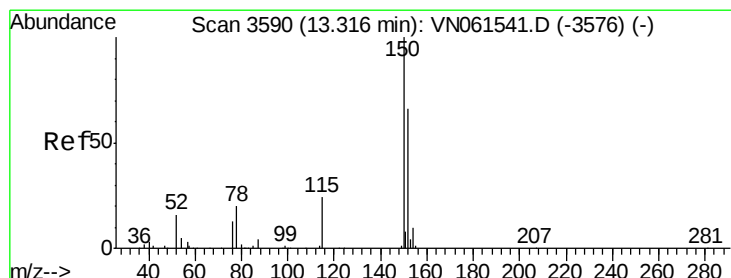
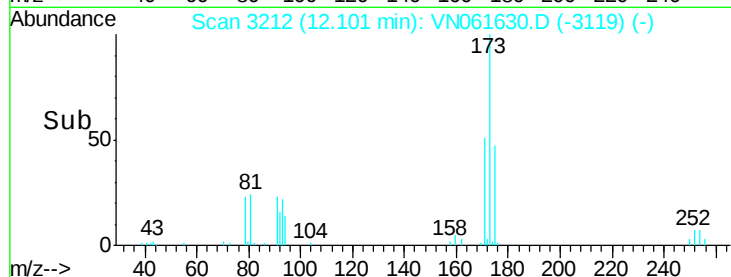
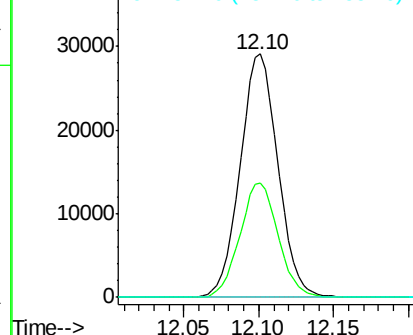
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

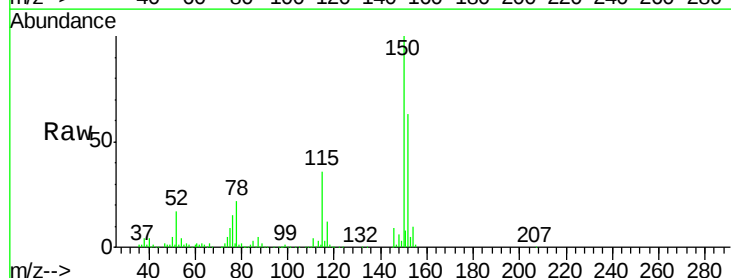
Tgt Ion:152 Resp: 243669

Ion Ratio Lower Upper

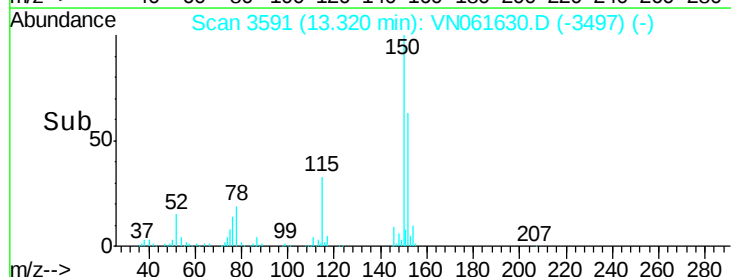
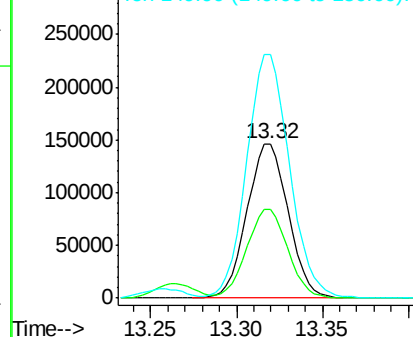
152 100

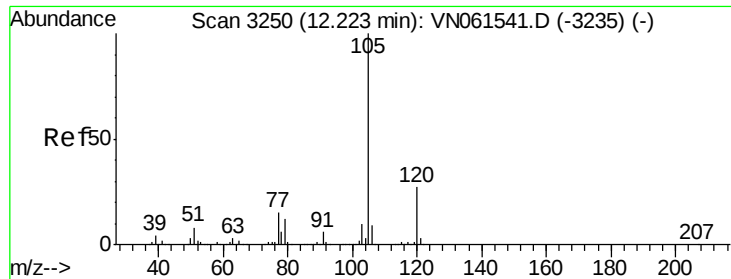
115 57.4 28.0 84.0

150 163.9 0.0 344.0



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





#73

Isopropylbenzene

Concen: 19.050 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 105 Resp: 338789

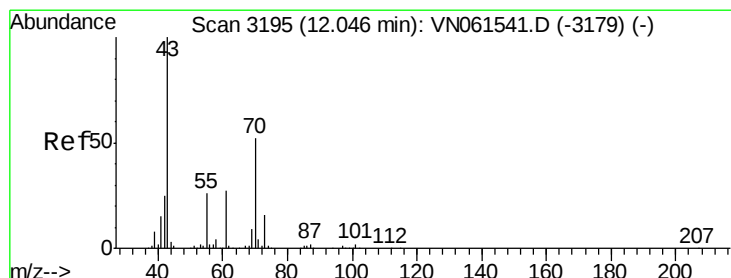
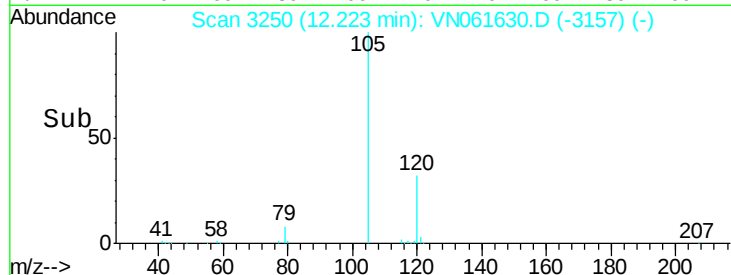
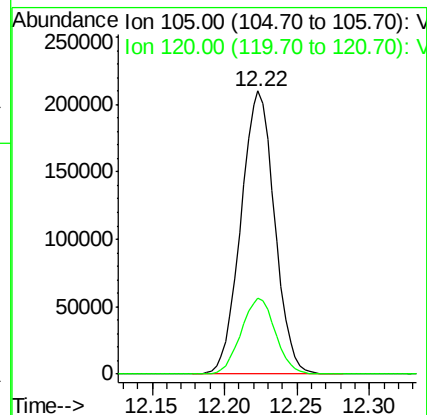
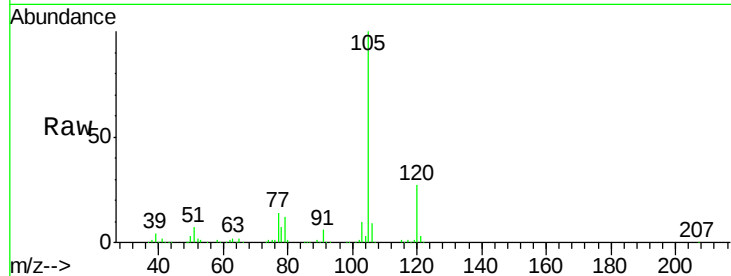
Ion Ratio Lower Upper

105 100

120 27.2 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 16.044 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion: 43 Resp: 89858

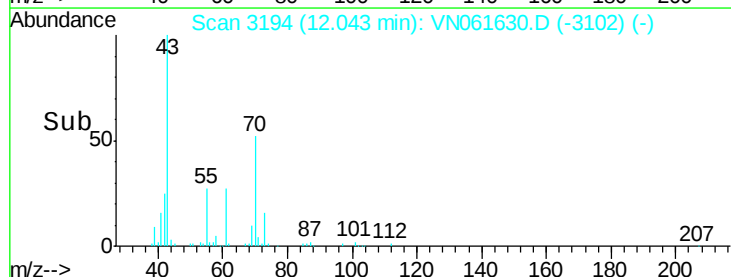
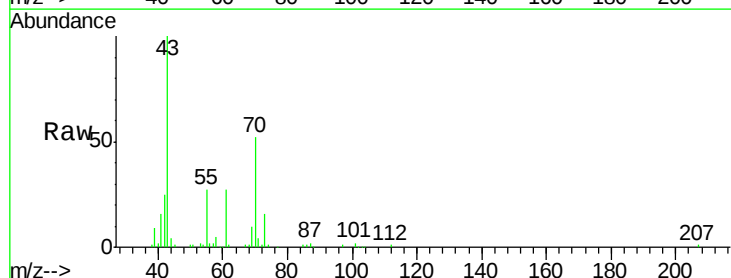
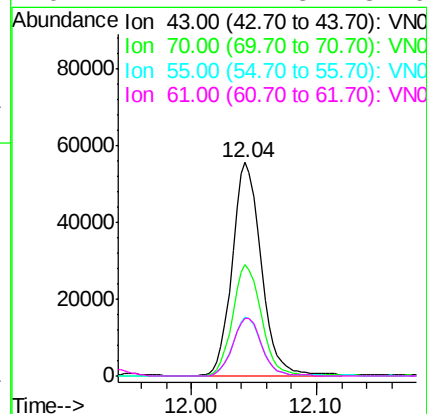
Ion Ratio Lower Upper

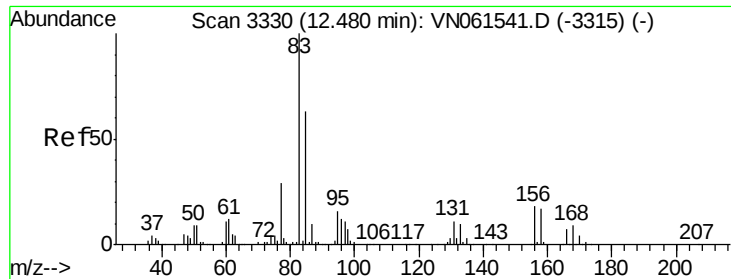
43 100

70 51.5 40.5 60.7

55 27.2 20.6 31.0

61 27.1 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.121 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

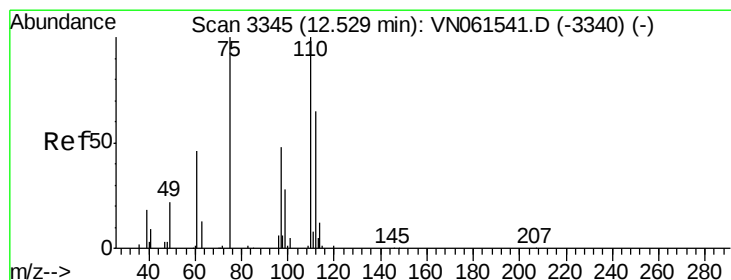
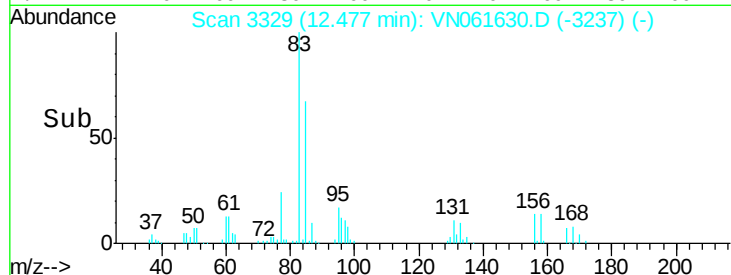
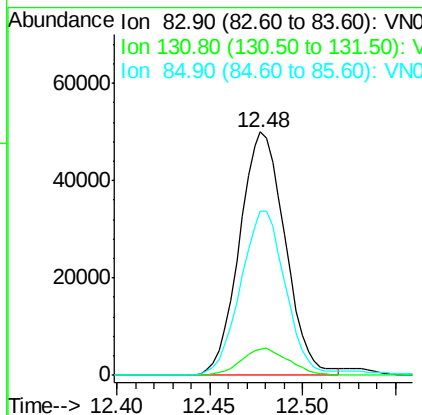
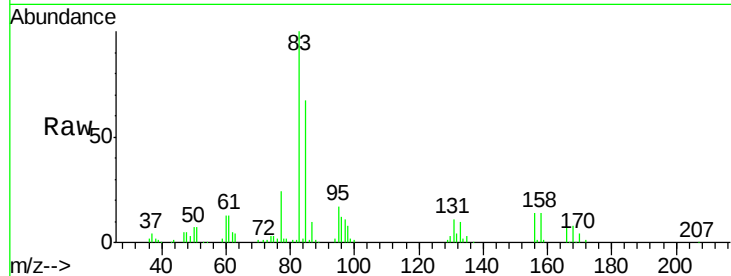
ClientSampleId :

VN0603WBS01

Tot Ion:	83	Resp:	85329
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.5
85	66.3	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 16.572 ug/l m

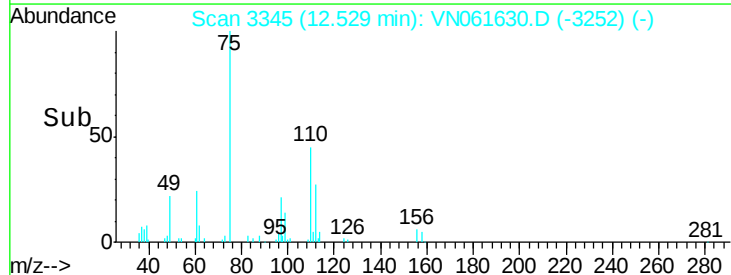
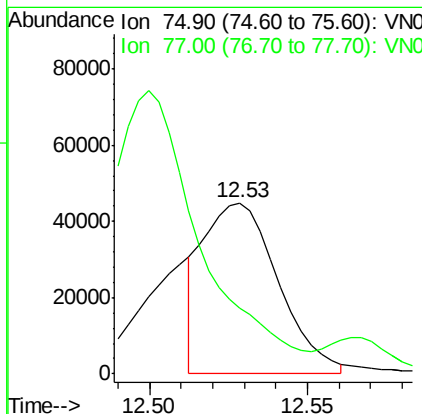
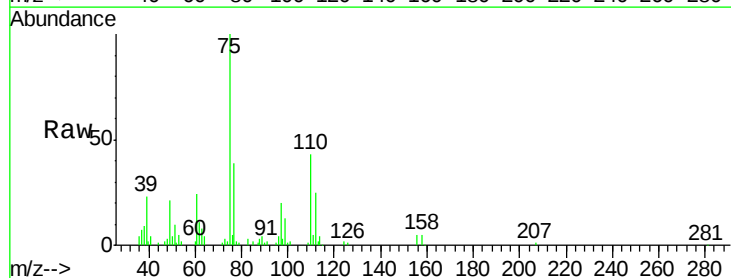
RT: 12.53 min Scan# 3345

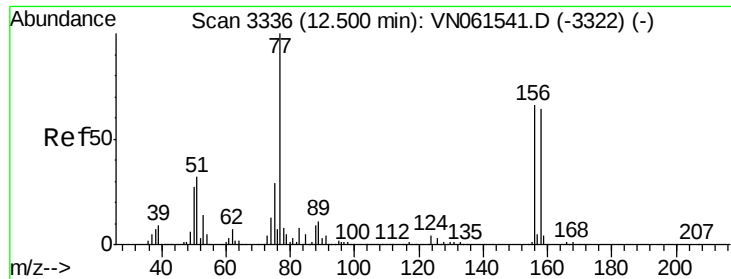
Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	75	Resp:	73429
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





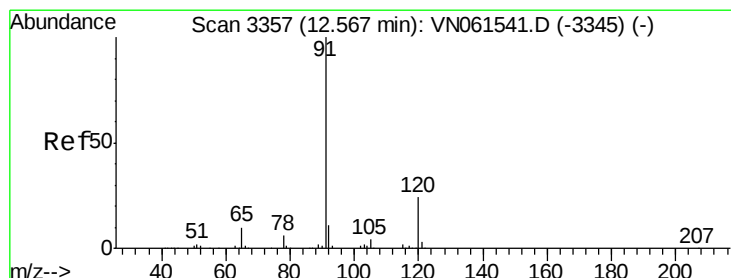
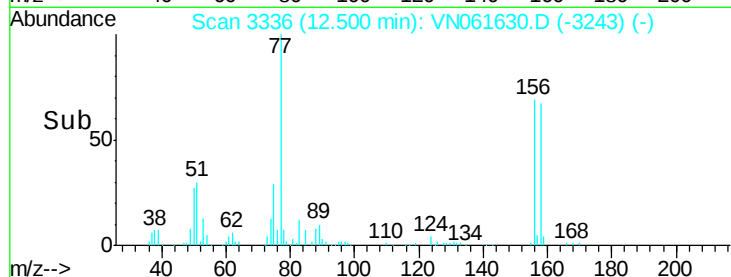
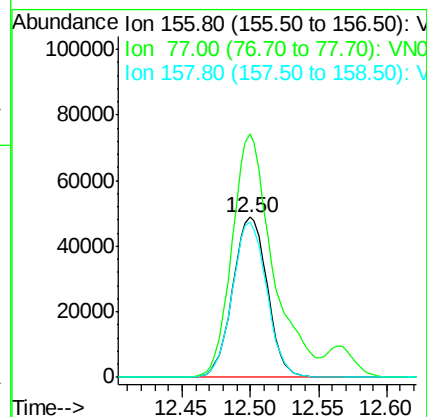
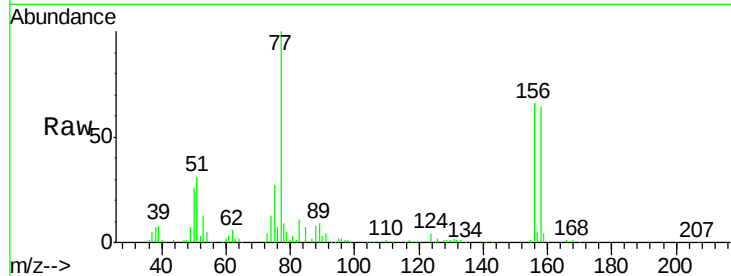
#77
Bromobenzene
Concen: 18.935 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.5	90.9	272.7
158	96.5	48.4	145.3

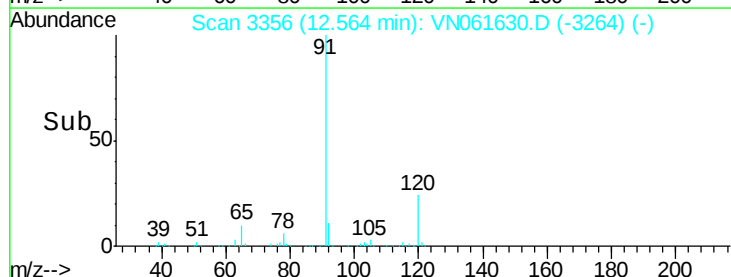
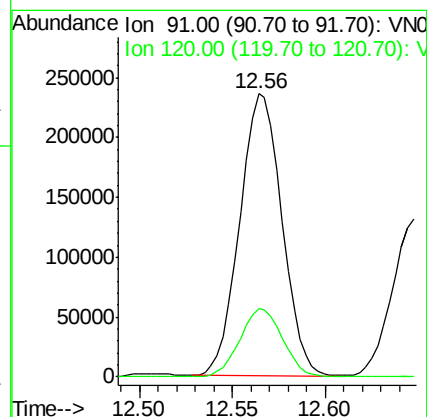
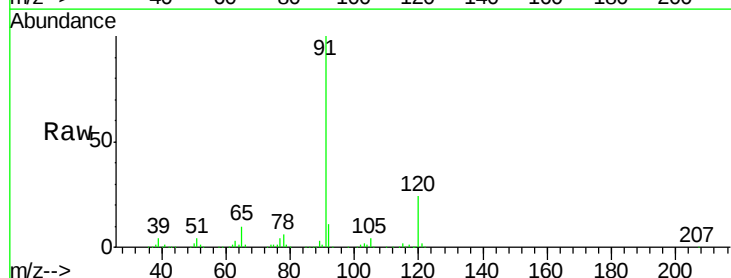
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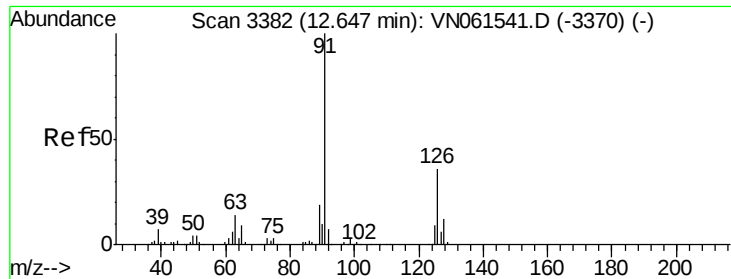
MMDadoda
6/4/2020 3:08:10 PM



#78
n-propylbenzene
Concen: 18.733 ug/l
RT: 12.56 min Scan# 3356
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 18.630 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBS01

Tot Ion: 91 Resp: 220554

Ion Ratio Lower Upper

91 100

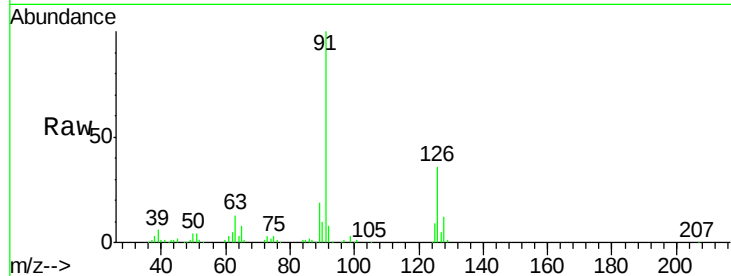
126 36.9 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061630.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061630.D (-3382) (-)

250000

200000

150000

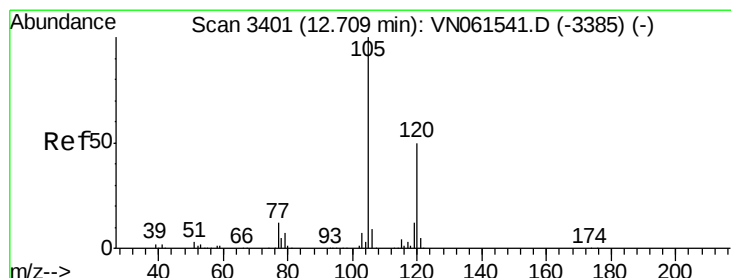
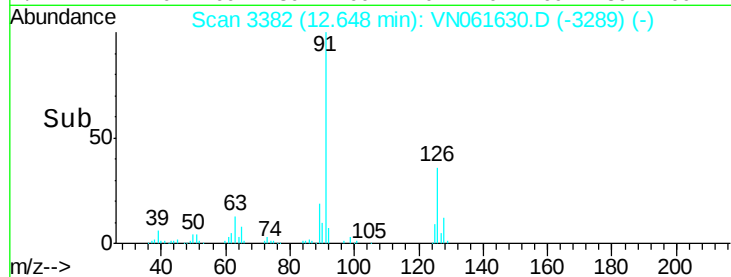
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.984 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061630.D

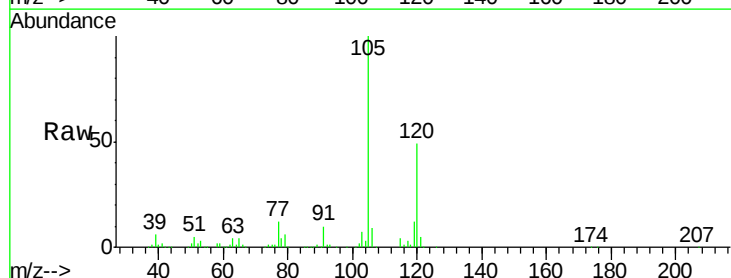
Acq: 3 Jun 2020 11:47

Tgt Ion: 105 Resp: 282184

Ion Ratio Lower Upper

105 100

120 49.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN061630.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN061630.D (-3401) (-)

200000

150000

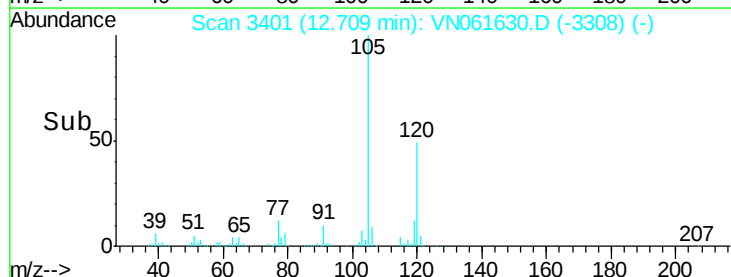
100000

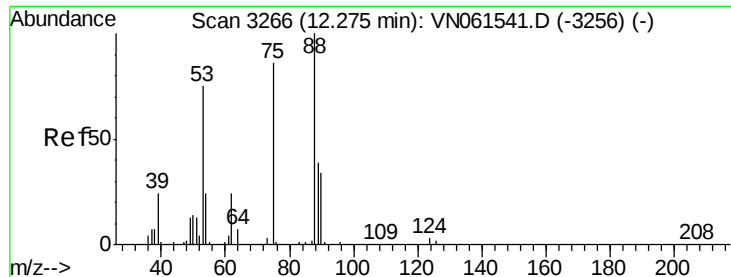
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.754 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

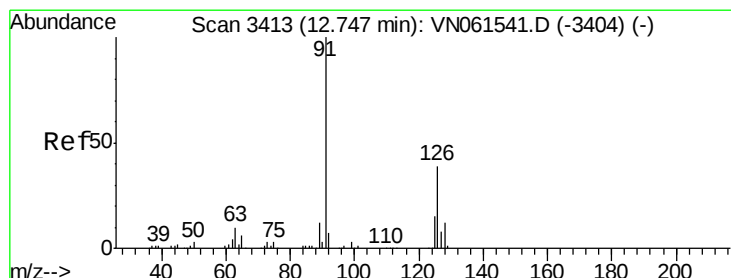
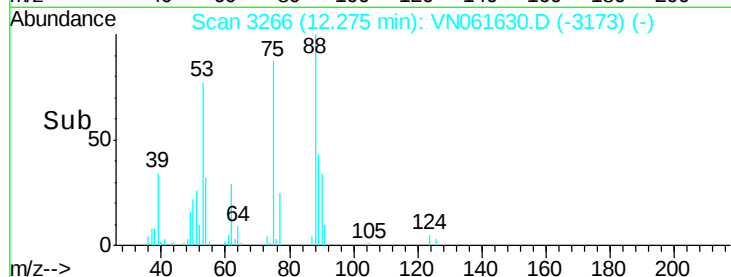
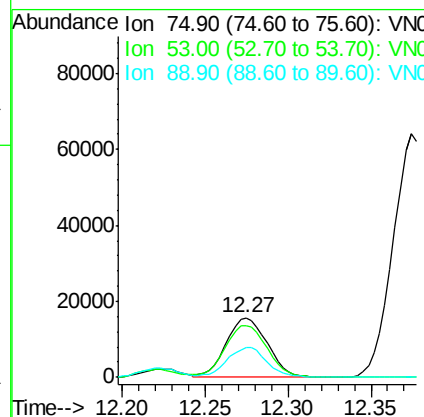
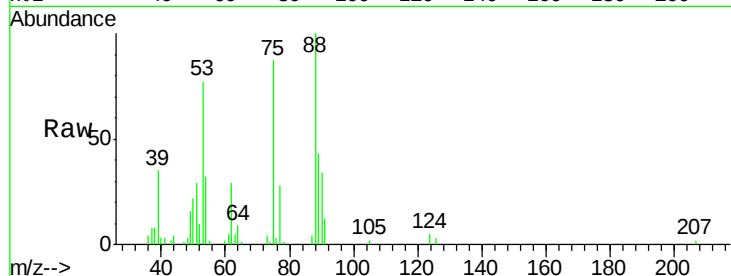
ClientSampleId :

VN0603WBS01

Tot Ion:	75	Resp:	27296
Ion	Ratio	Lower	Upper
75	100		
53	89.0	67.8	101.8
89	48.5	37.1	55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.359 ug/l

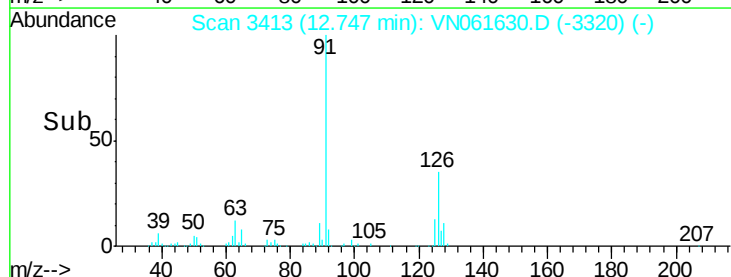
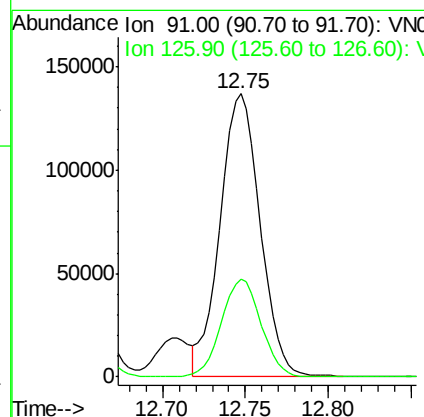
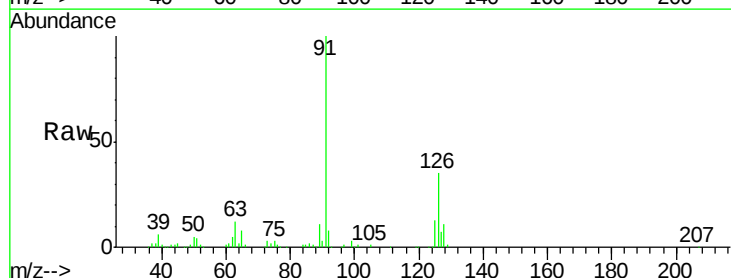
RT: 12.75 min Scan# 3413

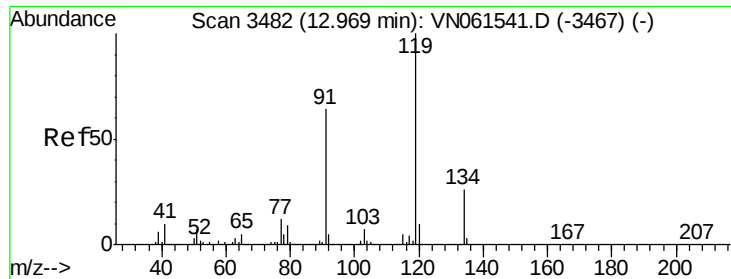
Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	91	Resp:	228653
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.5	52.6





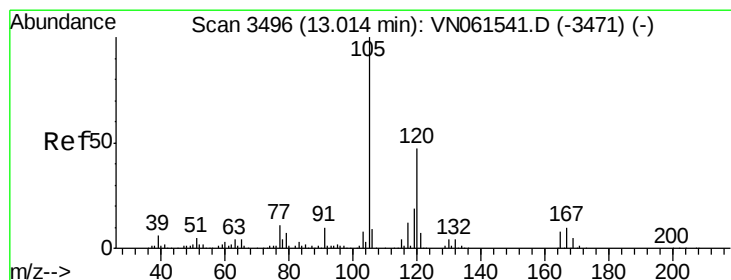
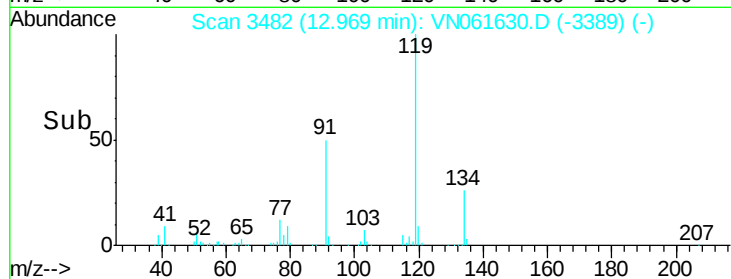
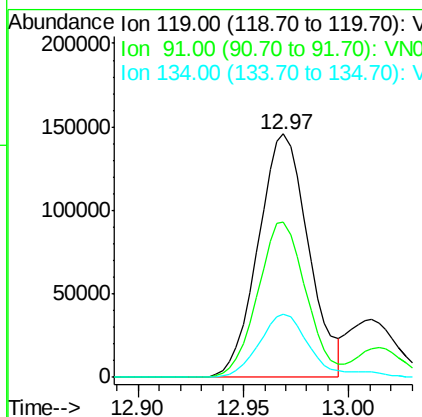
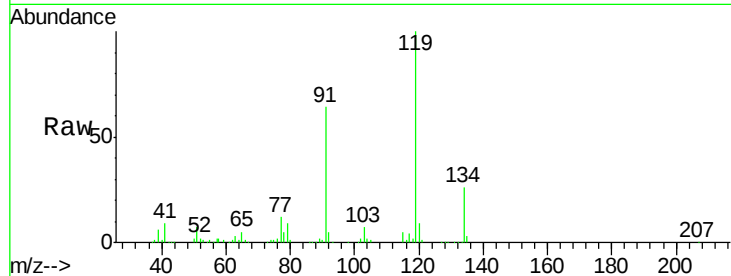
#83
tert-Butylbenzene
Concen: 18.464 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242501		
91	61.2		31.3	93.8
134	25.3		13.5	40.4

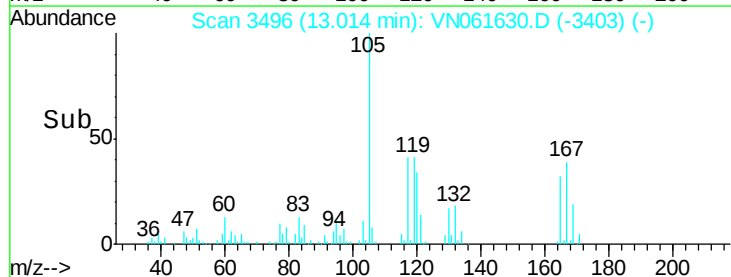
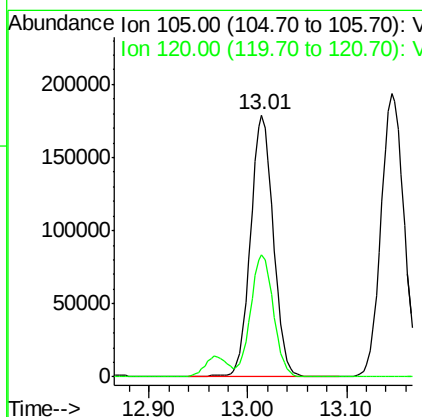
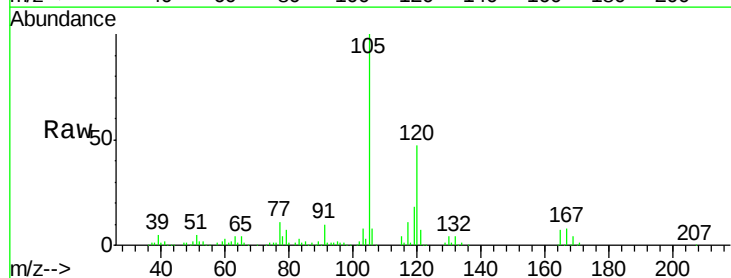
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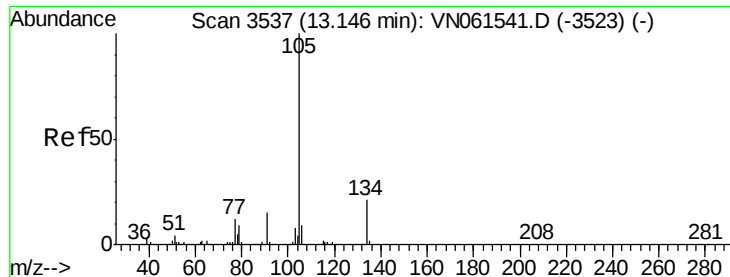
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.285 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284791		
120	46.5		23.2	69.5





#85

sec-Butylbenzene

Concen: 18.496 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0603WBS01

Tot Ion:105 Resp: 313018

Ion Ratio Lower Upper

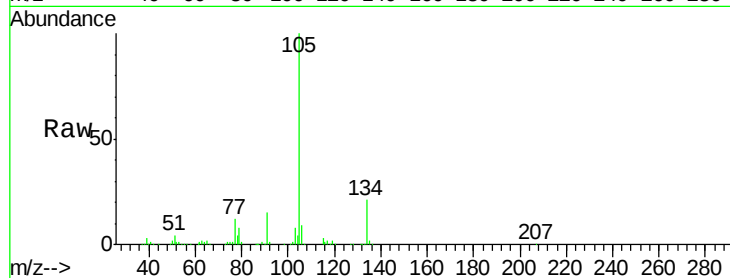
105 100

134 21.0 10.7 31.9

Manual Integrations
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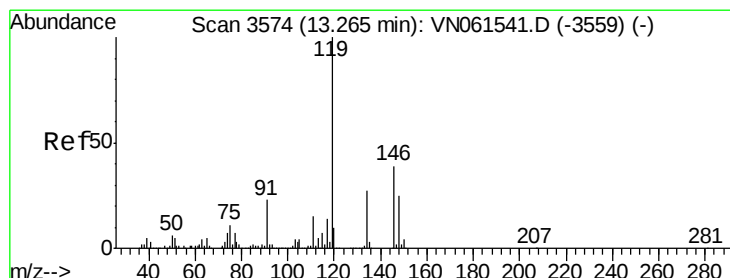
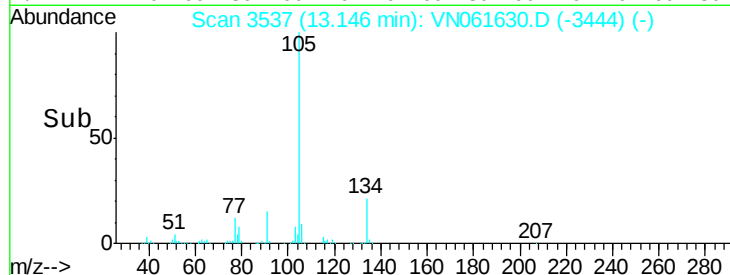
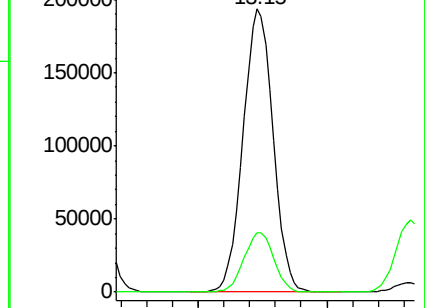
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.374 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

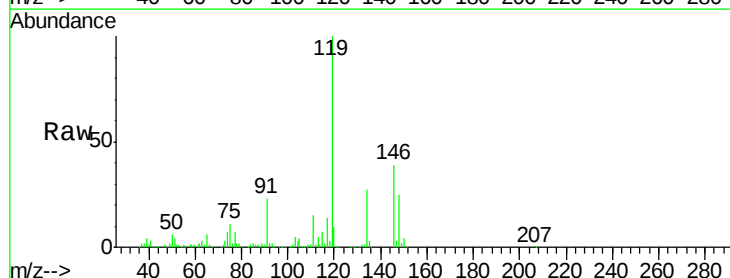
Tgt Ion:119 Resp: 286363

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

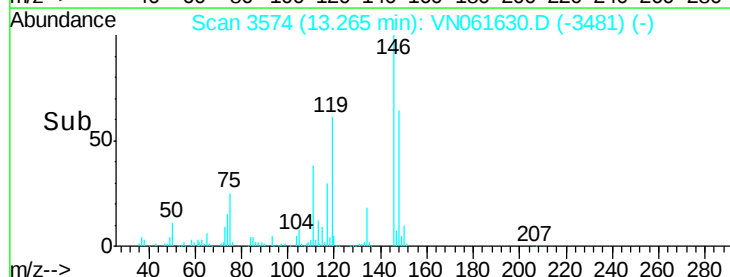
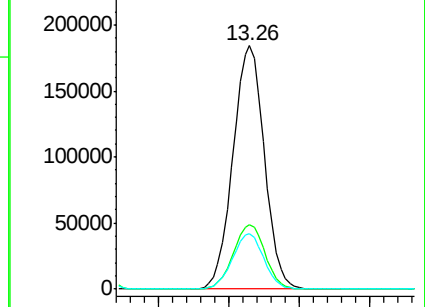
91 22.8 11.4 34.1

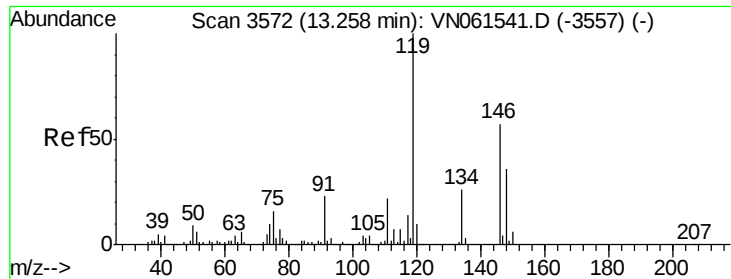


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





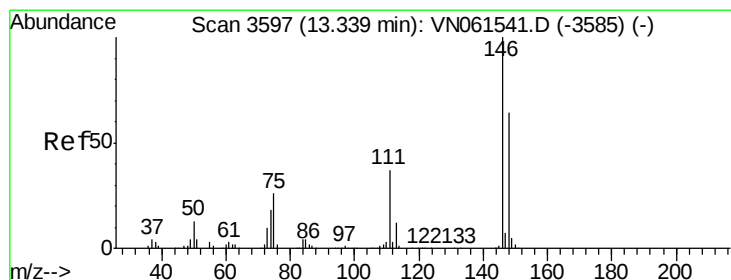
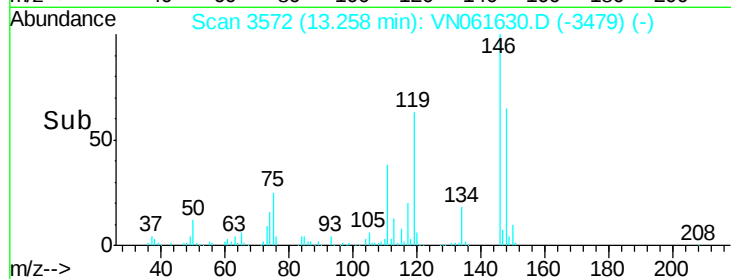
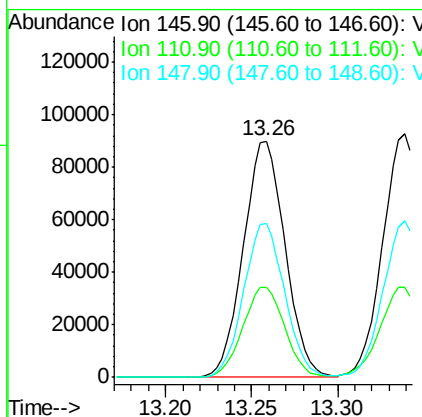
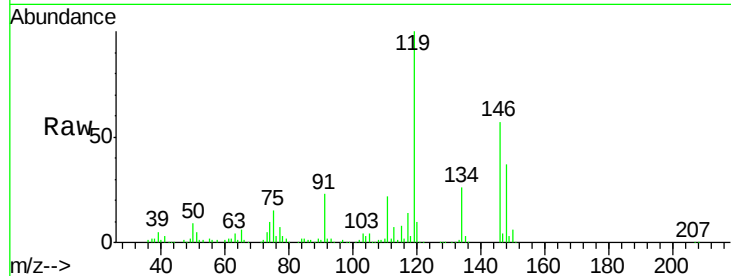
#87
 1,3-Dichlorobenzene
 Concen: 18.816 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	64.0	31.7	95.1

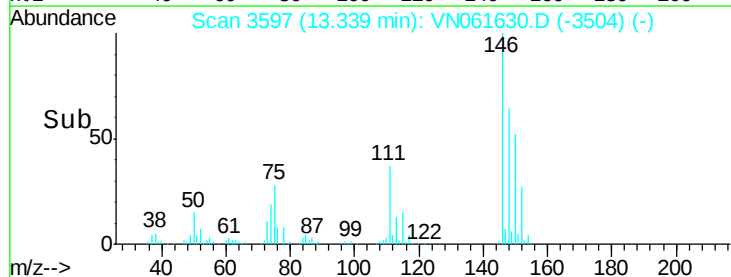
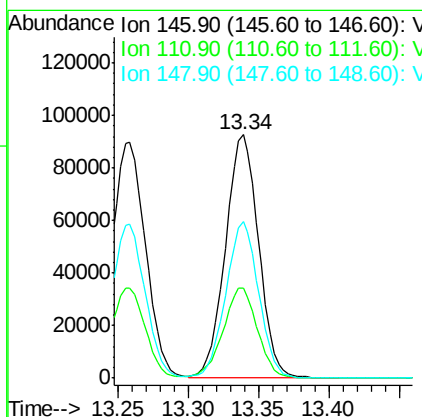
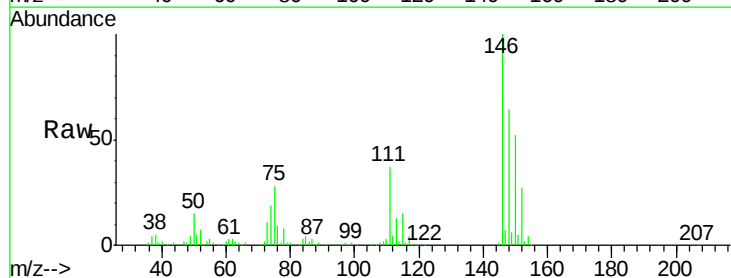
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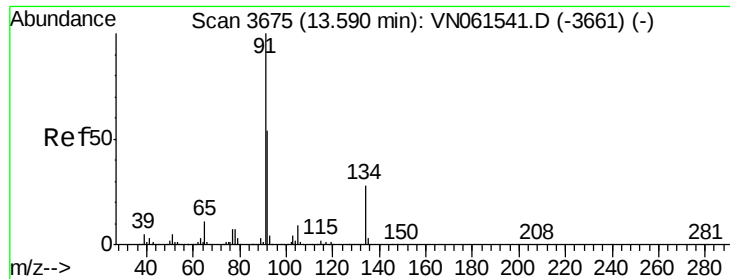
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#88
 1,4-Dichlorobenzene
 Concen: 18.502 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.9
148	64.2	31.8	95.3





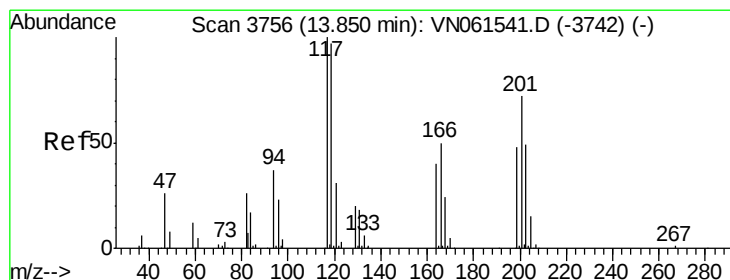
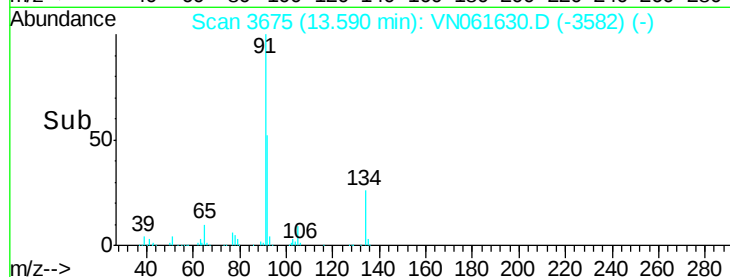
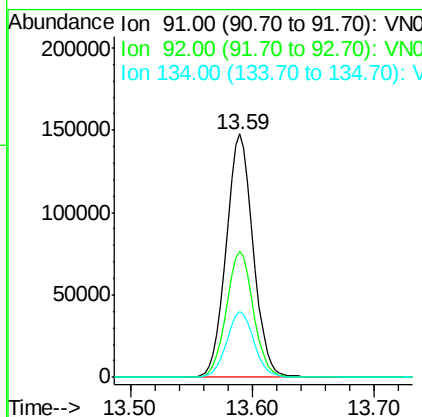
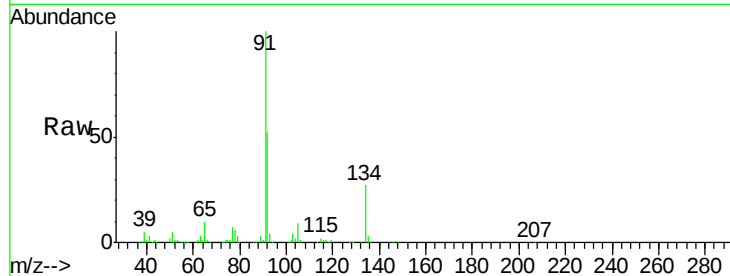
#89
n-Butylbenzene
Concen: 17.561 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.2	81.6
134	27.4	14.0	42.0

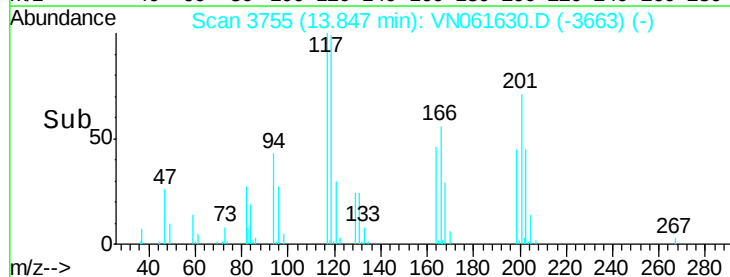
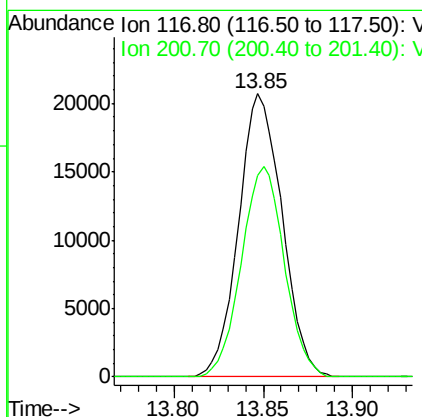
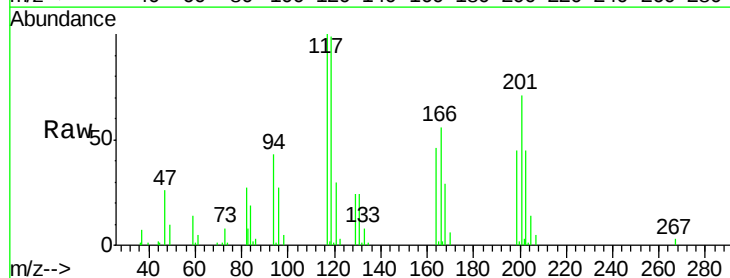
Manual Integrations
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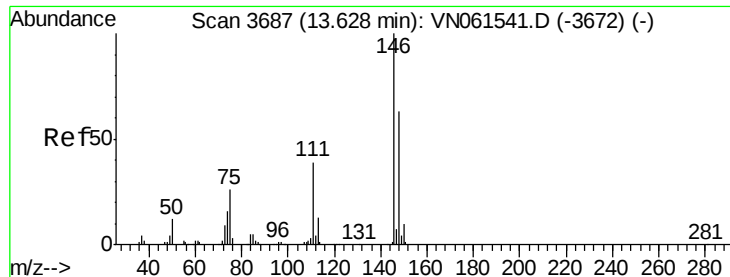
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#90
Hexachloroethane
Concen: 20.501 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061630.D
Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.7	110.1





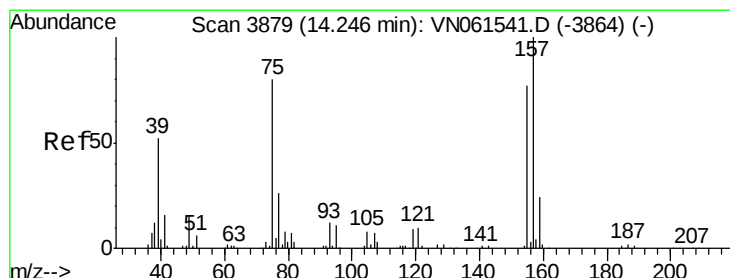
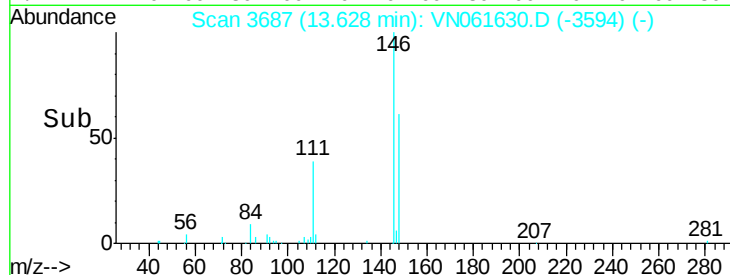
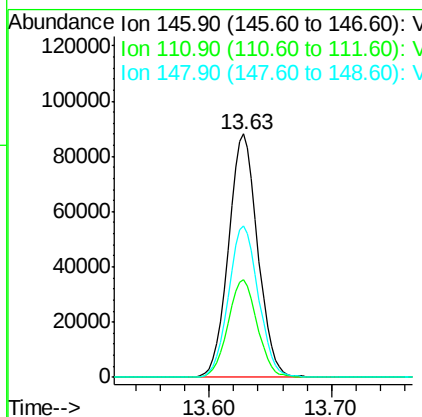
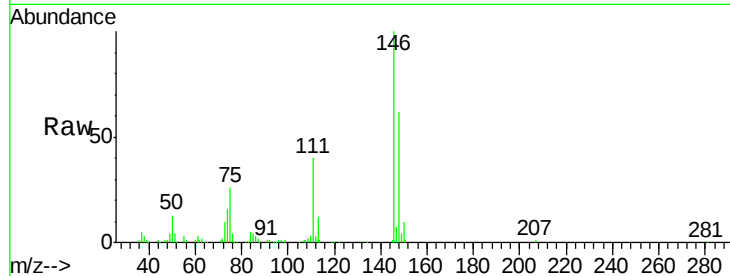
#91
 1,2-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.2
148	63.8	31.9	95.5

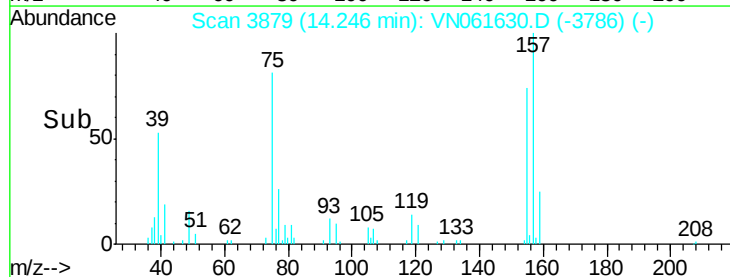
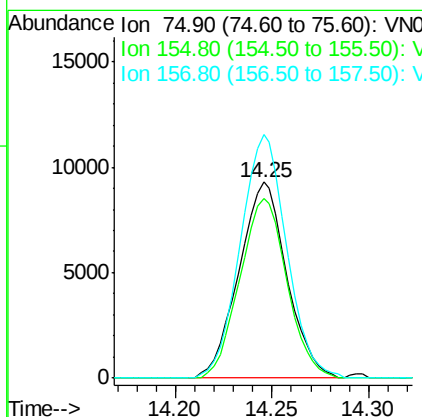
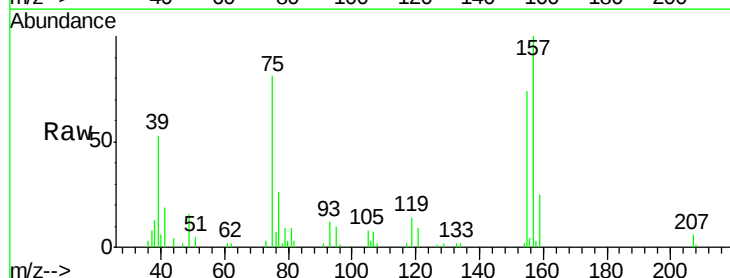
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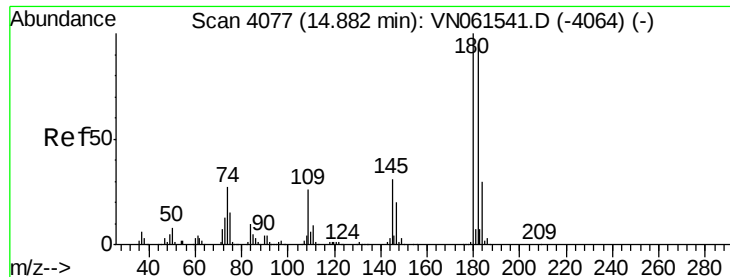
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.720 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	47.1	141.4
157	120.4	60.3	180.8





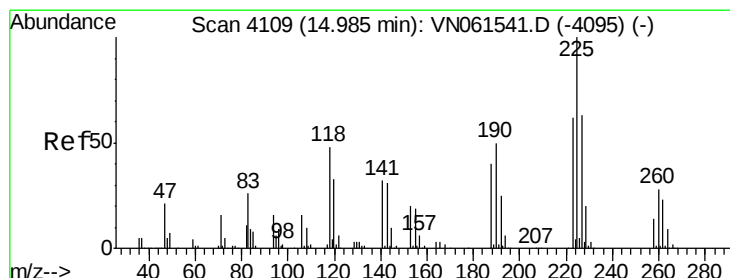
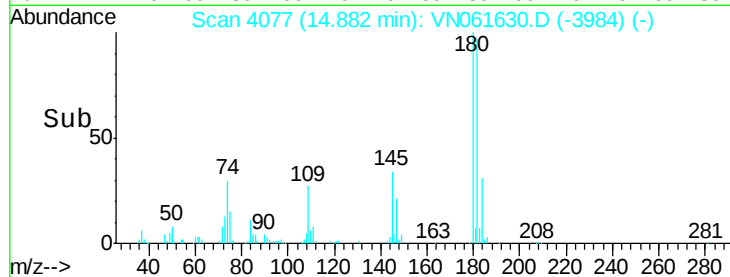
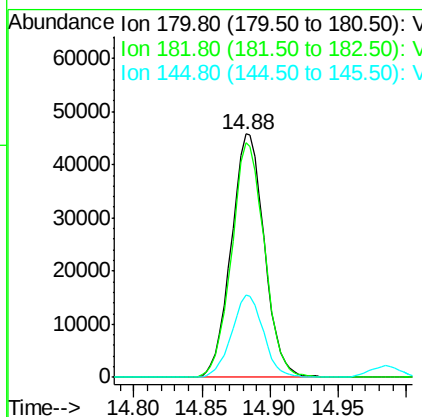
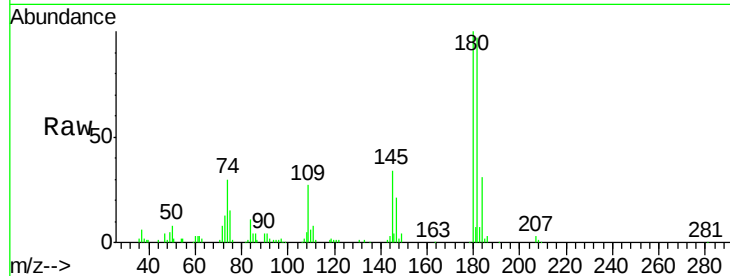
#93
 1,2,4-Trichlorobenzene
 Concen: 17.153 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	32.3	15.5	46.5

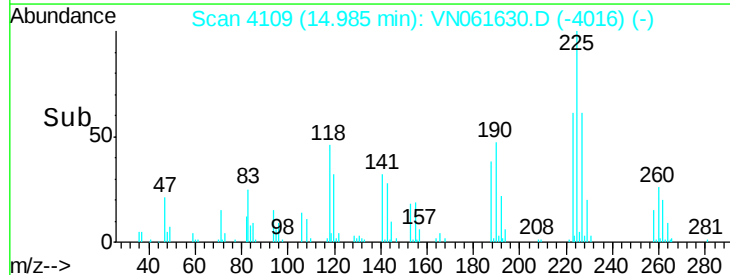
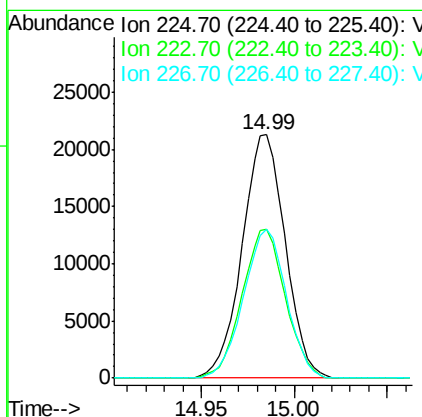
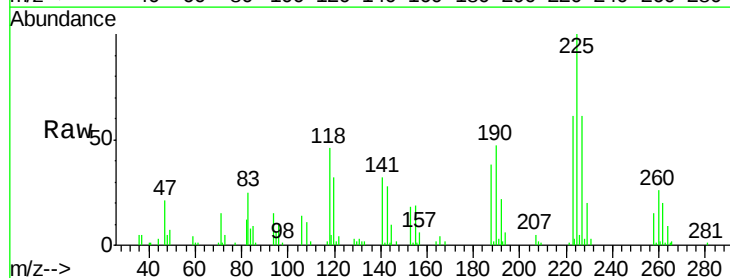
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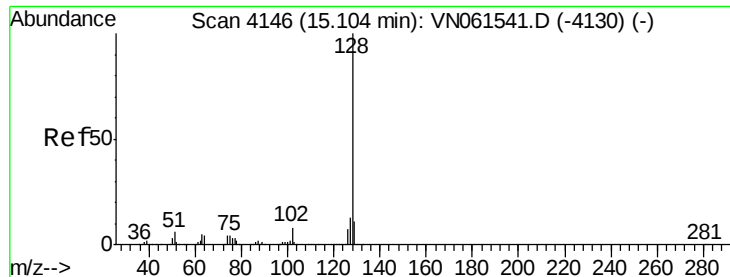
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#94
 Hexachlorobutadiene
 Concen: 18.011 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061630.D
 Acq: 3 Jun 2020 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.9	95.5
227	60.7	31.9	95.9





#95

Naphthalene

Concen: 16.532 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Instrument :

MSVOA_N

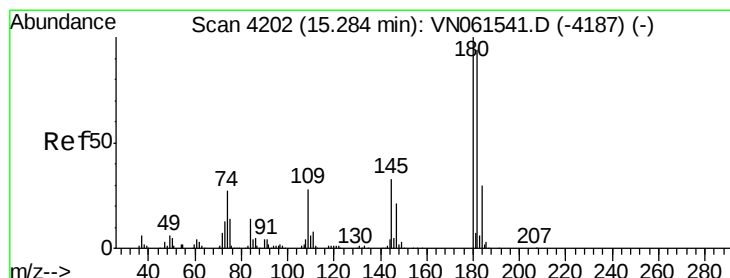
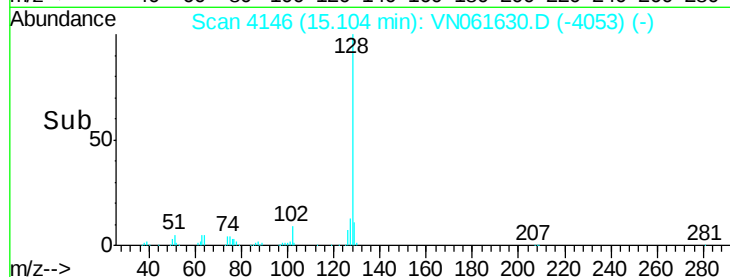
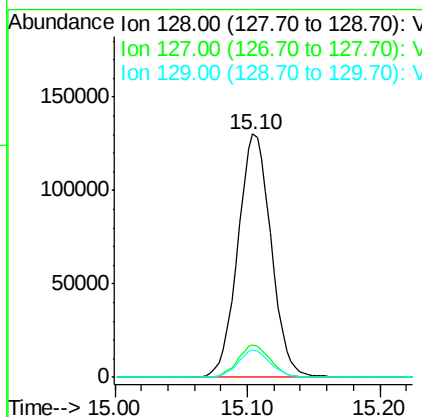
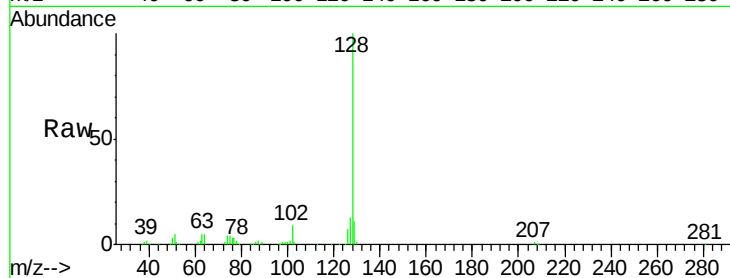
ClientSampleId :

VN0603WBS01

Tot Ion:	128	Resp:	226079
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.0	15.0
129	11.0	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 17.648 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061630.D

Acq: 3 Jun 2020 11:47

Tgt Ion:	180	Resp:	77959
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.1	141.3
145	33.2	16.3	48.9

