

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036448.D
 Acq On : 19 Mar 2021 14:27
 Operator :
 Sample : VSTDCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:40:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1679884	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4066137	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4699660	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3169968	8.20	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2087767	8.993	ppbv 98
3) Chlorodifluoromethane	2.98	51	1833897	9.230	ppbv 100
4) Chloromethane	3.13	50	922233	9.767	ppbv 95
5) Vinyl Chloride	3.25	62	868714	9.744	ppbv 98
6) Bromomethane	3.46	94	514271	9.305	ppbv 97
7) Chloroethane	3.55	64	316965	9.439	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	2098916	9.203	ppbv 98
9) Propene	3.00	41	783543	9.050	ppbv 95
10) Heptane	8.10	43	2141972	10.035	ppbv 100
11) Trichlorofluoromethane	3.94	101	2217458	9.249	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1452814	9.501	ppbv 99
13) Ethanol	3.60	45	88005	6.625	ppbv 63
14) Bromoethene	3.73	108	616114	9.705	ppbv 98
15) Acetone	3.84	43	1724123	8.981	ppbv 99
16) 1,3-Butadiene	3.31	39	858031	9.266	ppbv 99
17) tert-Butyl alcohol	4.28	59	1643487	10.796	ppbv 100
18) 1,1-Dichloroethene	4.27	96	635855	9.350	ppbv 92
19) Isopropyl Alcohol	3.96	45	1098160	10.178	ppbv 99
20) Methylene Chloride	4.33	84	536818	8.296	ppbv 99
21) Allyl Chloride	4.40	41	1047176	9.674	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	594631	9.657	ppbv 95
23) Vinyl Acetate	5.06	43	2144590	9.871	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1638262	9.554	ppbv 99
25) Ethyl Acetate	5.66	43	3585956	9.607	ppbv 99
26) Hexane	5.67	57	1453975	9.520	ppbv 99
27) Carbon Disulfide	4.53	76	1592341	10.505	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1992171	9.734	ppbv 99
29) Chloroform	5.74	83	2385359	9.546	ppbv 100
30) Cyclohexane	7.11	84	1243963	9.857	ppbv 100
31) cis-1,2-Dichloroethene	5.54	61	1498985	10.161	ppbv 93
32) 1,1,1-Trichloroethane	6.49	97	2320578	9.242	ppbv 99
34) 2-Butanone	5.23	43	2275166	9.283	ppbv 99
35) Carbon Tetrachloride	7.00	117	2407579	9.164	ppbv 99
36) Benzene	6.88	78	3103910	9.838	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1848251	9.323	ppbv 99
38) Trichloroethene	7.82	130	1101637	9.239	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1231387	9.178	ppbv 96
40) 1,4-Dioxane	7.82	88	401940	9.126	ppbv # 1
41) Tetrahydrofuran	6.03	42	1346550	9.851	ppbv 98
42) Bromodichloromethane	7.78	83	2530250	9.444	ppbv 95
43) Methyl Methacrylate	8.00	69	1344993	10.526	ppbv 100

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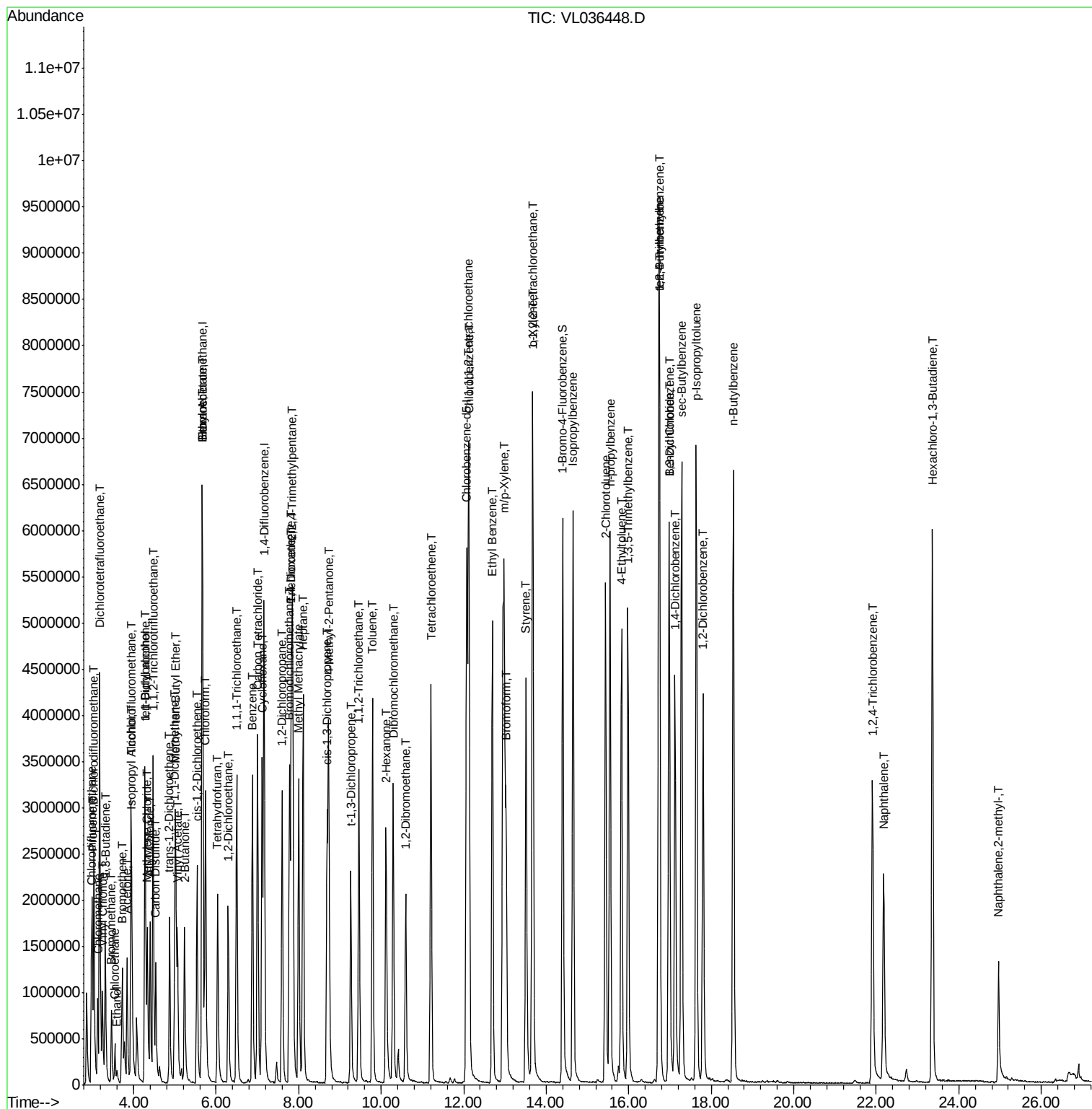
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5270355	9.161	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1454119	11.693	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1781975	10.976	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1254450	9.380	ppbv	92
48) Dibromochloromethane	10.29	129	2104197	10.389	ppbv	100
49) Bromoform	13.02	173	1776756	10.724	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3529375	9.891	ppbv	99
51) 2-Hexanone	10.11	43	2922296	10.833	ppbv #	100
52) Tetrachloroethene	11.20	164	1050510	8.878	ppbv	97
53) Toluene	9.79	91	3458532	10.178	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1850350	9.583	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1562701	7.503	ppbv	99
57) Chlorobenzene	12.13	112	2550918	7.515	ppbv	97
58) Ethyl Benzene	12.69	91	4737134	8.112	ppbv	98
59) m/p-Xylene	12.98	91	4252456	8.236	ppbv #	39
60) o-Xylene	13.68	91	3765449	7.592	ppbv	99
61) Styrene	13.51	104	2685358	8.903	ppbv	99
62) Isopropylbenzene	14.65	105	5681362	7.597	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2712785	6.996	ppbv	100
64) n-propylbenzene	15.55	120	1482339	7.935	ppbv	98
65) tert-Butylbenzene	16.73	119	4897002	7.527	ppbv	100
66) Benzyl Chloride	16.97	91	1757457	9.675	ppbv	99
67) sec-Butylbenzene	17.28	105	6924397	7.621	ppbv	99
69) p-Isopropyltoluene	17.64	119	5684366	7.819	ppbv	100
70) n-Butylbenzene	18.54	91	5865434	7.805	ppbv	100
71) 2-Chlorotoluene	15.44	91	4369969	7.768	ppbv	98
72) 4-Ethyltoluene	15.82	105	4364684	8.102	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4181684	8.001	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	4198125	7.565	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	2343499	7.605	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2291943	7.443	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2254880	7.473	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1642569	6.841	ppbv	98
79) Naphthalene	22.18	128	3007677	9.253	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	978168	13.918	ppbv	100
81) 1,2,4-Trichlorobenzene	21.91	180	1603614	8.583	ppbv	99

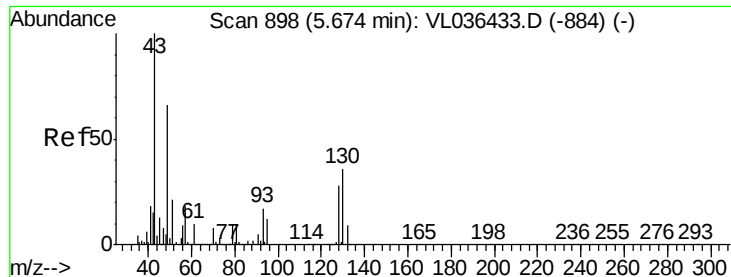
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

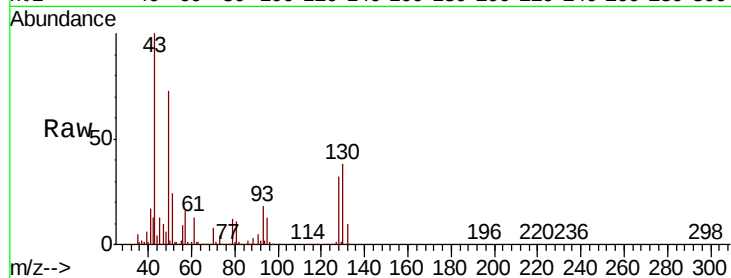
Tot Ion: 49 Resp: 1679884

Ion Ratio Lower Upper

49 100

128 45.2 22.4 67.2

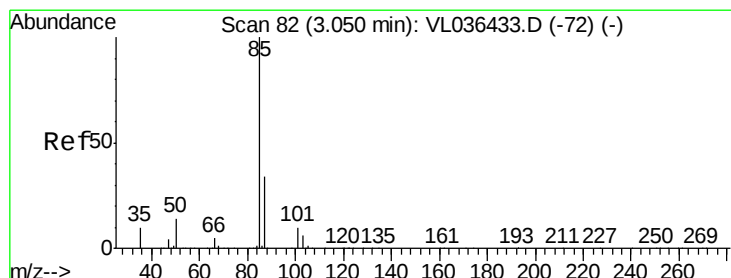
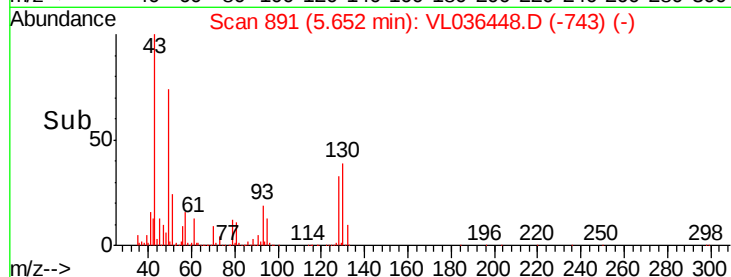
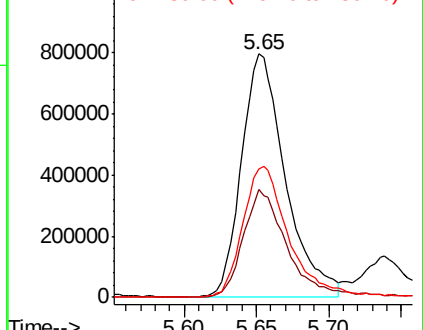
130 57.7 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.993 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036448.D

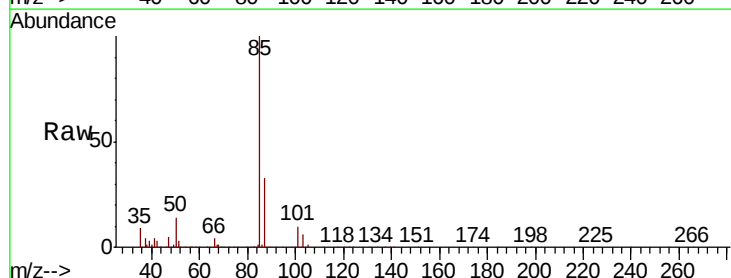
Acq: 19 Mar 2021 14:27

Tgt Ion: 85 Resp: 2087767

Ion Ratio Lower Upper

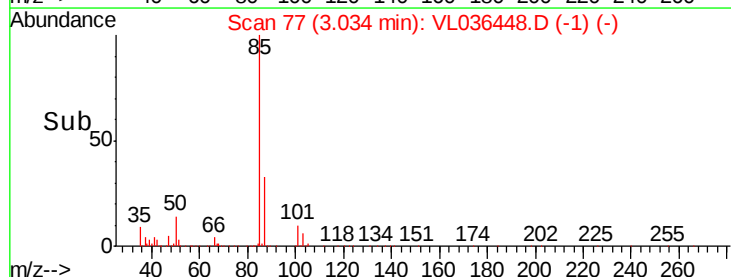
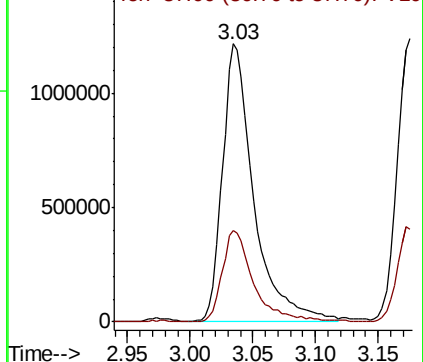
85 100

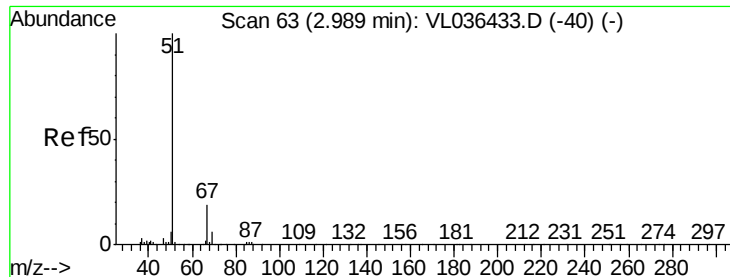
87 32.9 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

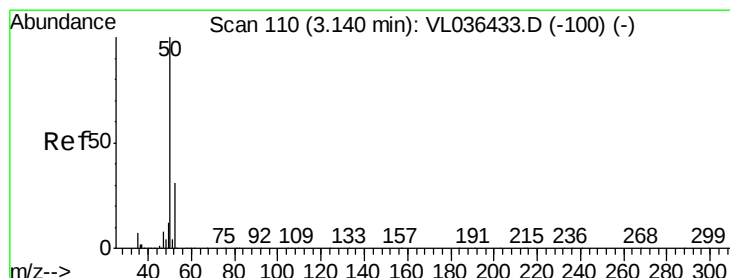
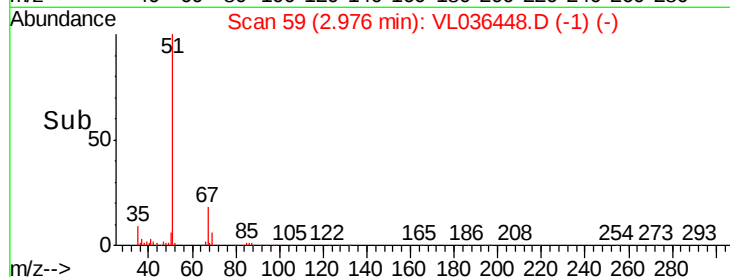
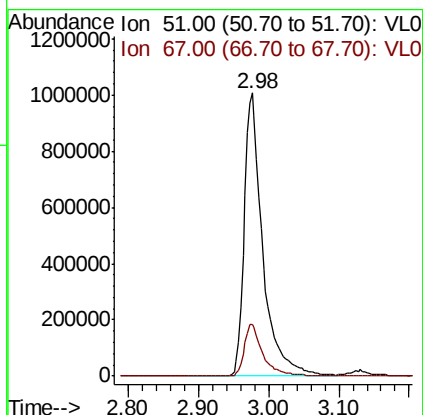
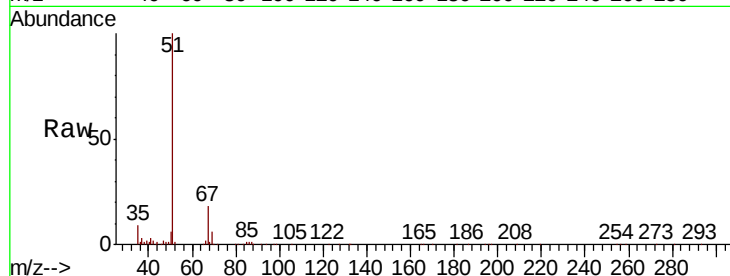




#3
Chlorodifluoromethane
Concen: 9.230 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

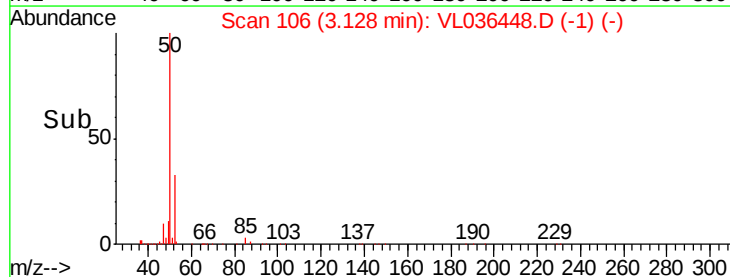
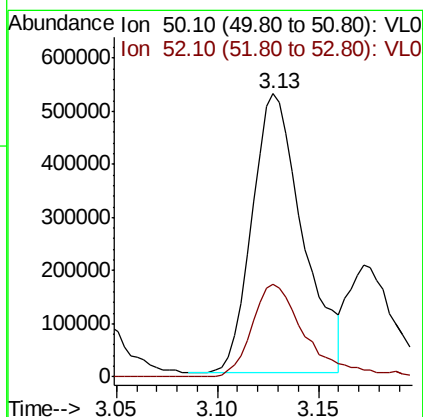
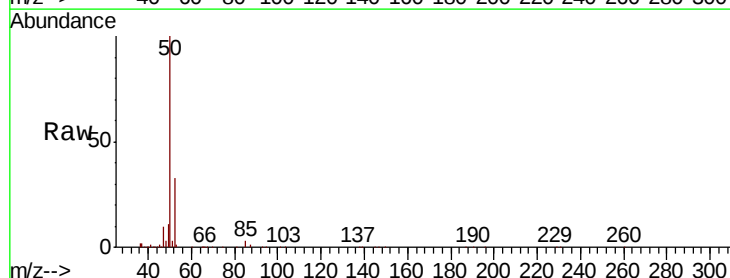
Instrument :
MSVOA_L
ClientSampleId :

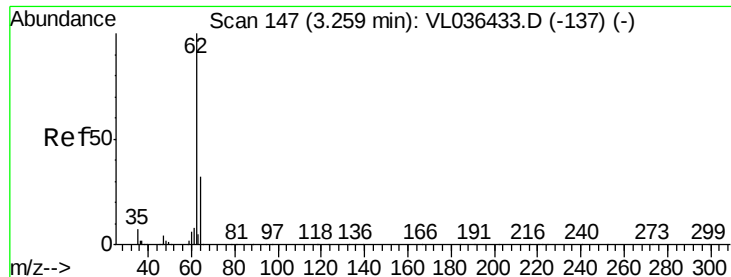
Tot Ion: 51 Resp: 1833897
Ion Ratio Lower Upper
51 100
67 18.5 14.8 22.2



#4
Chloromethane
Concen: 9.767 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 50 Resp: 922233
Ion Ratio Lower Upper
50 100
52 33.4 24.6 36.8





#5

Vinyl Chloride

Concen: 9.744 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

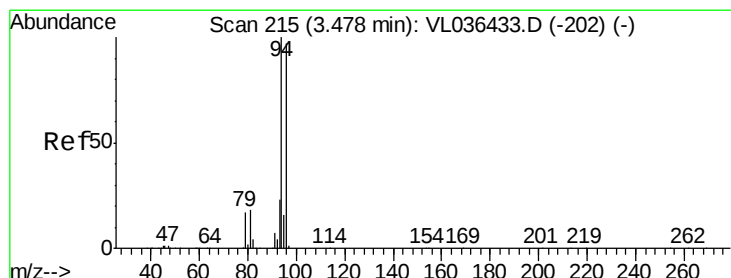
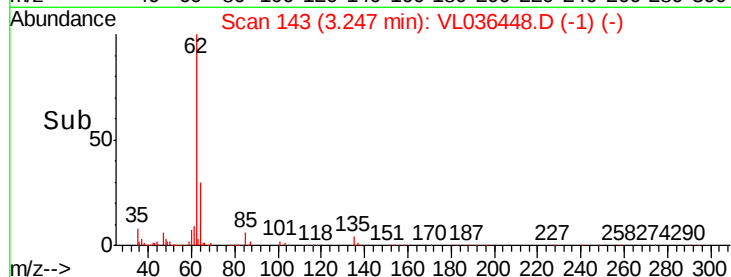
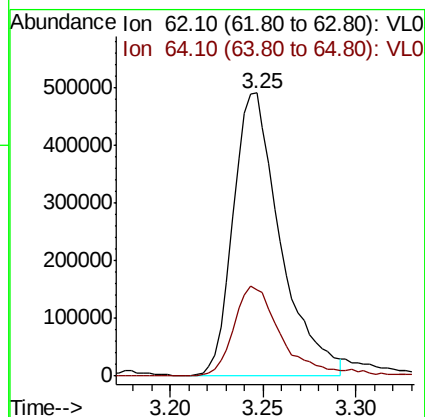
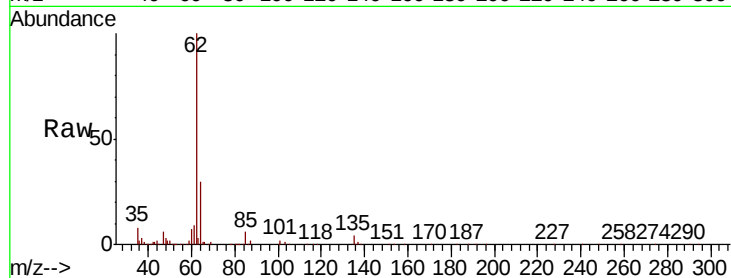
ClientSampleId :

Tot Ion: 62 Resp: 868714

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2



#6

Bromomethane

Concen: 9.305 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL036448.D

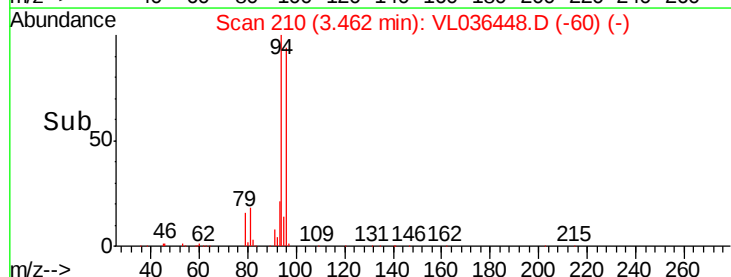
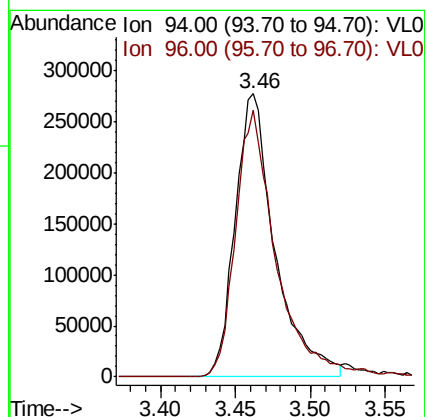
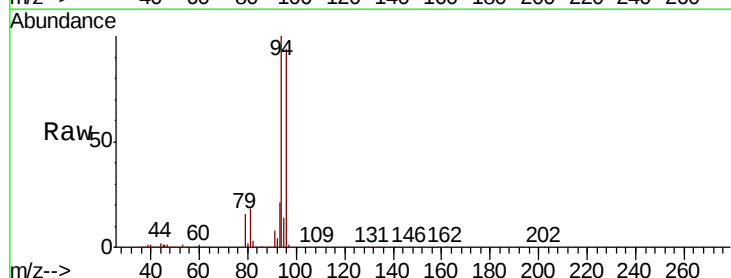
Acq: 19 Mar 2021 14:27

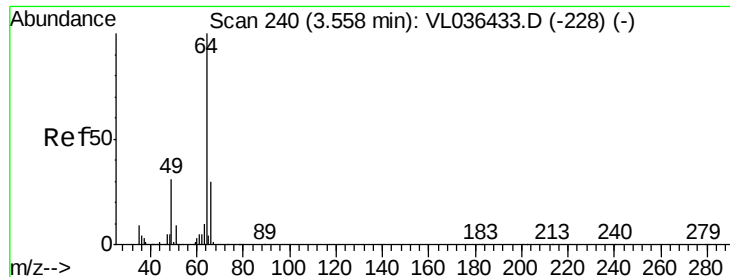
Tgt Ion: 94 Resp: 514271

Ion Ratio Lower Upper

94 100

96 94.0 77.3 115.9





#7

Chloroethane

Concen: 9.439 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

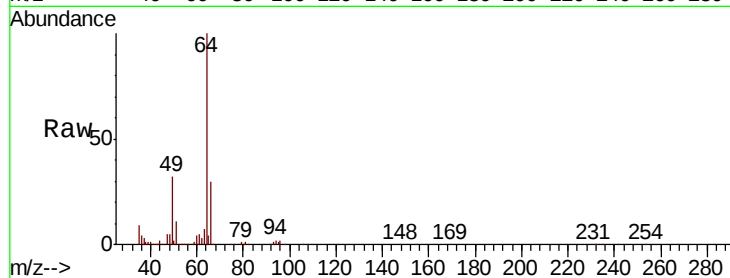
ClientSampleId :

Tot Ion: 64 Resp: 316965

Ion Ratio Lower Upper

64 100

66 30.3 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

150000

100000

50000

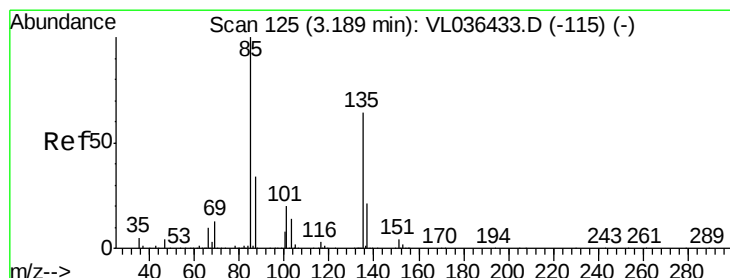
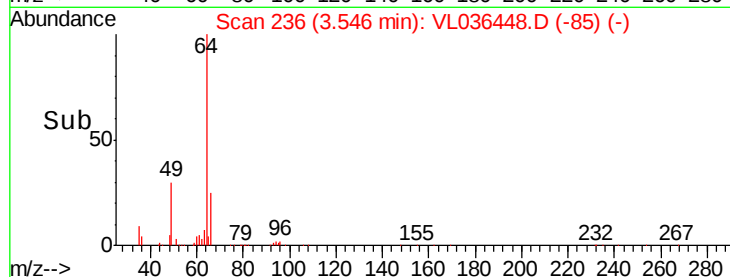
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Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 9.203 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036448.D

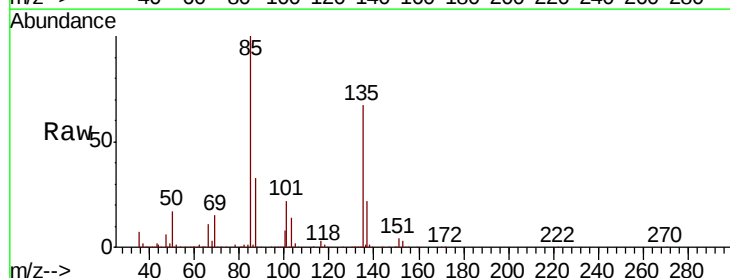
Acq: 19 Mar 2021 14:27

Tgt Ion: 85 Resp: 2098916

Ion Ratio Lower Upper

85 100

135 67.4 52.8 79.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

1000000

500000

0

Time-->

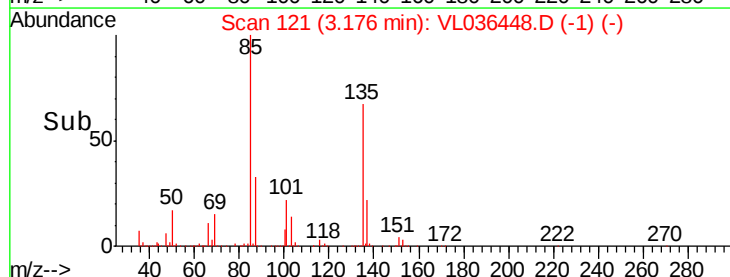
3.10

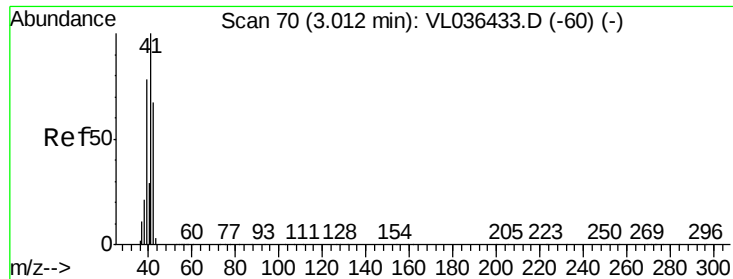
3.15

3.20

3.25

3.30





#9

Propene

Concen: 9.050 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

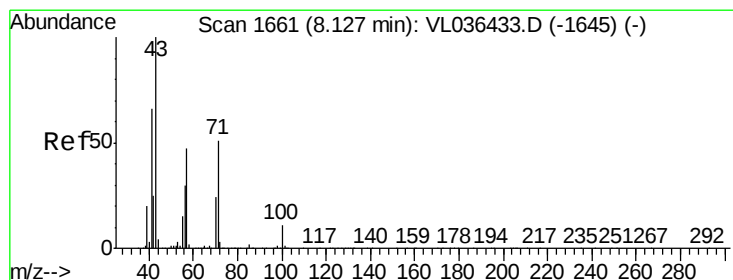
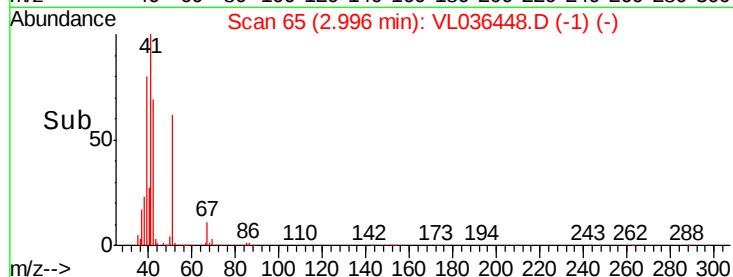
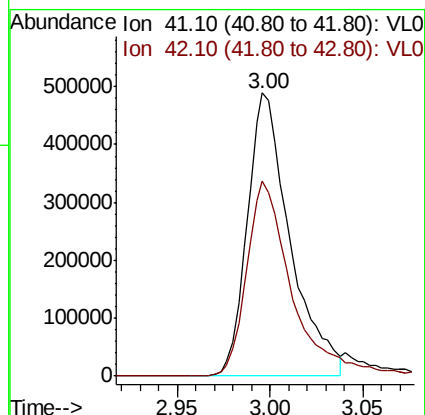
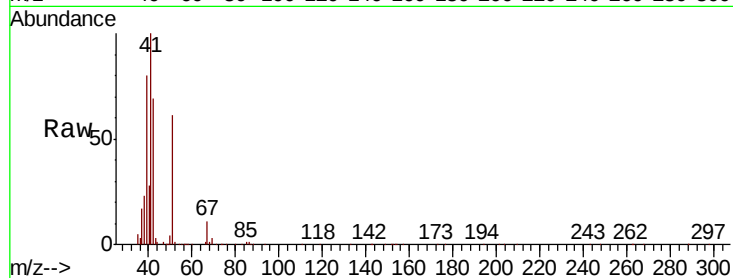
ClientSampleId :

Tot Ion: 41 Resp: 783543

Ion Ratio Lower Upper

41 100

42 74.8 56.2 84.4



#10

Heptane

Concen: 10.035 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL036448.D

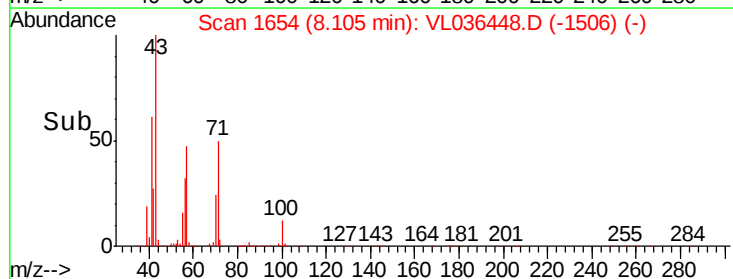
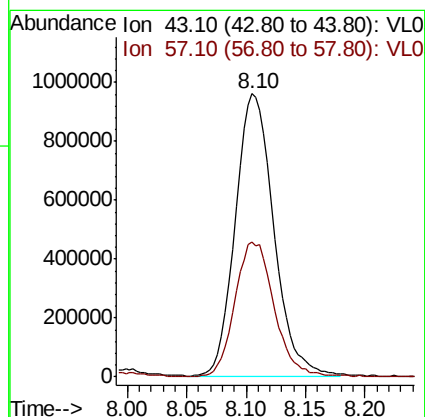
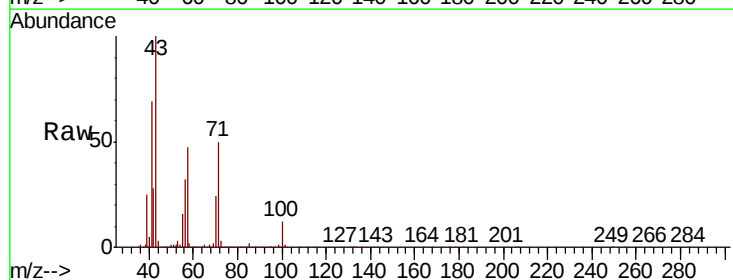
Acq: 19 Mar 2021 14:27

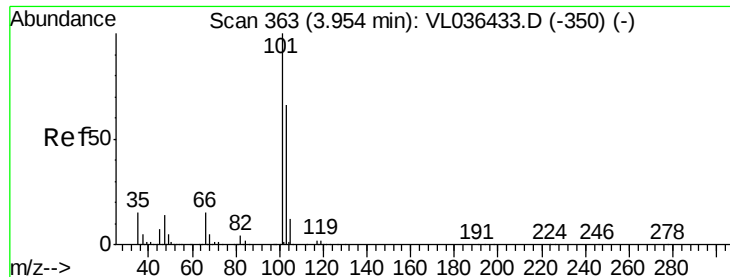
Tgt Ion: 43 Resp: 2141972

Ion Ratio Lower Upper

43 100

57 48.8 39.1 58.7





#11

Trichlorofluoromethane

Concen: 9.249 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

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MSVOA_L

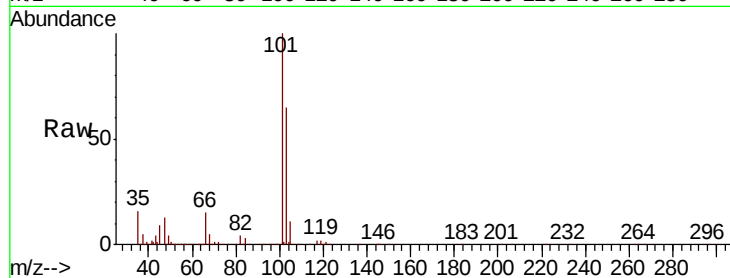
ClientSampleId :

Tot Ion:101 Resp: 2217458

Ion Ratio Lower Upper

101 100

103 65.1 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.94

1200000

1000000

800000

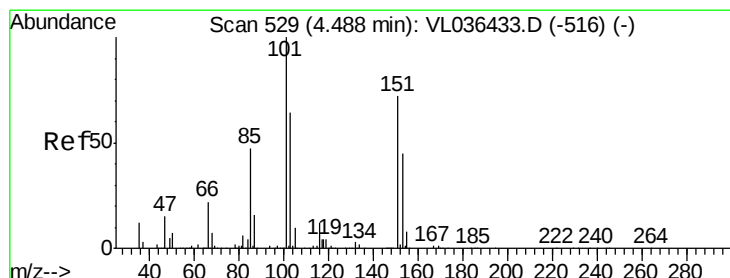
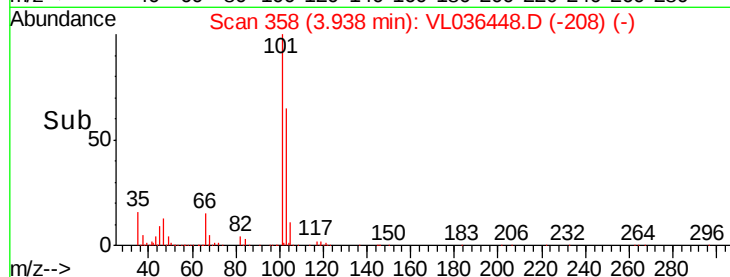
600000

400000

200000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.501 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.02 min

Lab File: VL036448.D

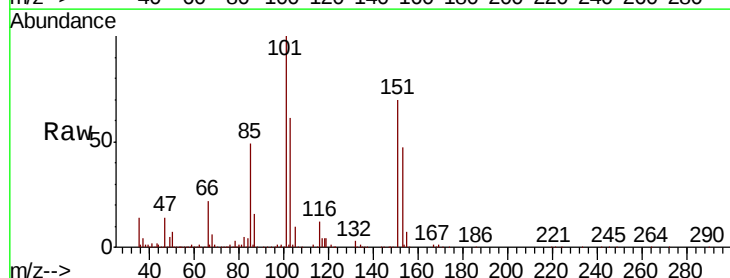
Acq: 19 Mar 2021 14:27

Tgt Ion:101 Resp: 1452814

Ion Ratio Lower Upper

101 100

151 73.2 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.47

800000

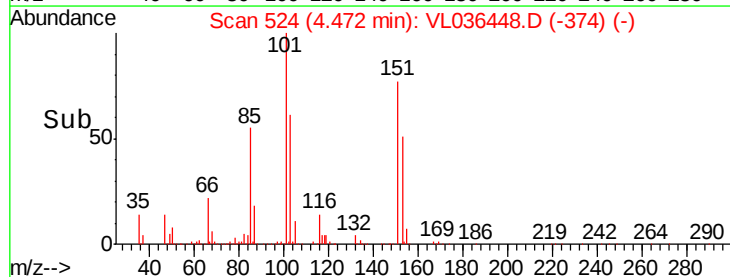
600000

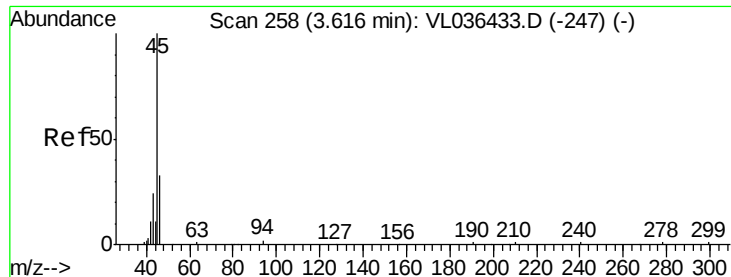
400000

200000

0

Time-->

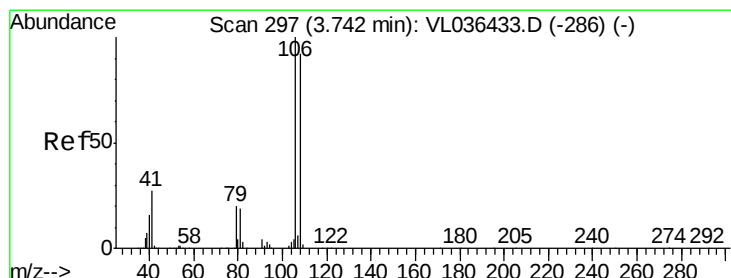
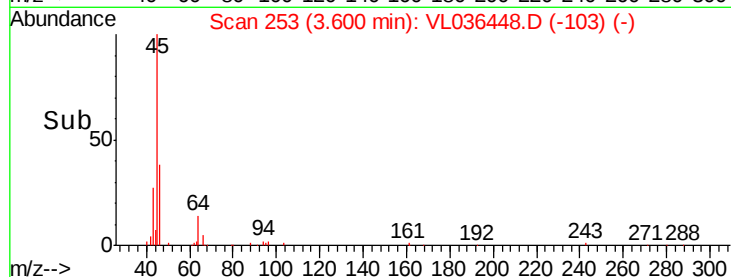
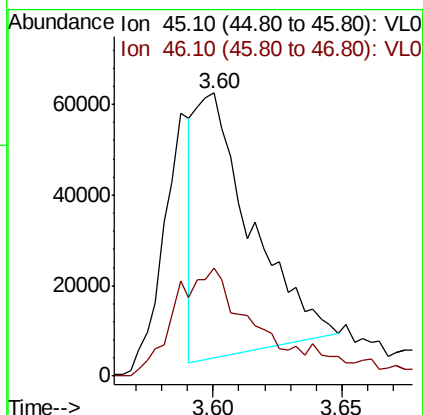
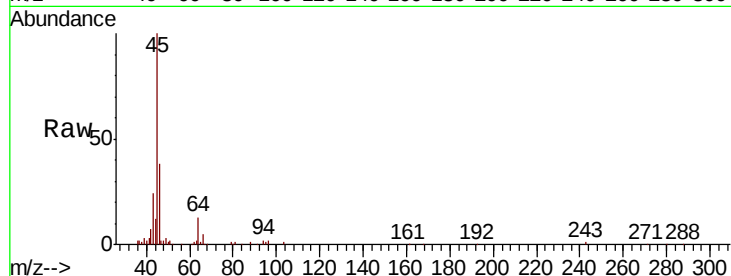




#13
Ethanol
Concen: 6.625 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

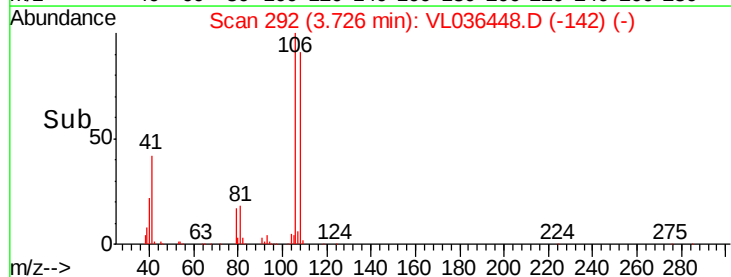
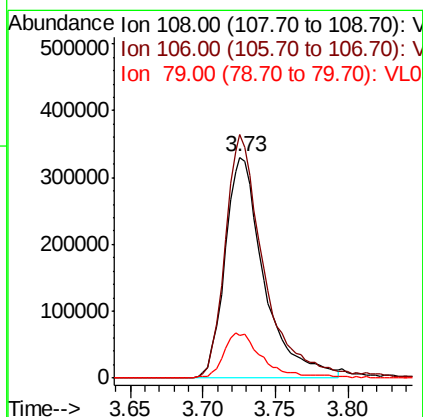
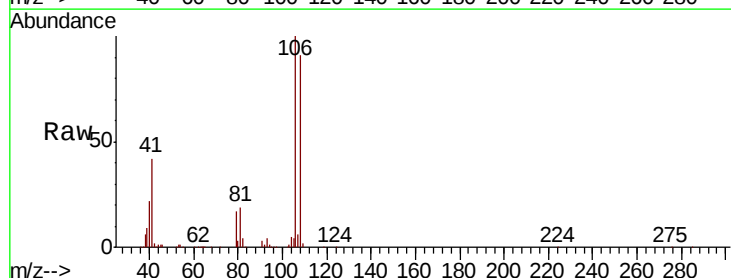
Instrument :
MSVOA_L
ClientSampleId :

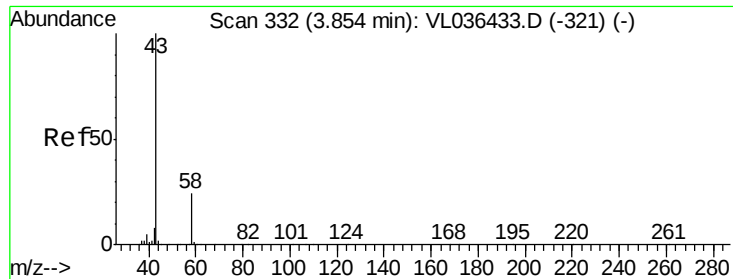
Tot Ion: 45 Resp: 88005
Ion Ratio Lower Upper
45 100
46 65.4 16.8 67.4



#14
Bromoethene
Concen: 9.705 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 108 Resp: 616114
Ion Ratio Lower Upper
108 100
106 111.1 87.0 130.4
79 20.6 17.1 25.7

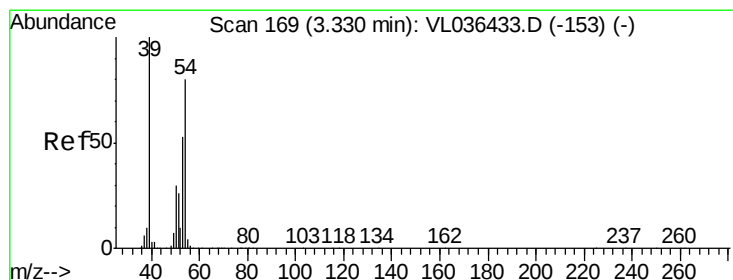
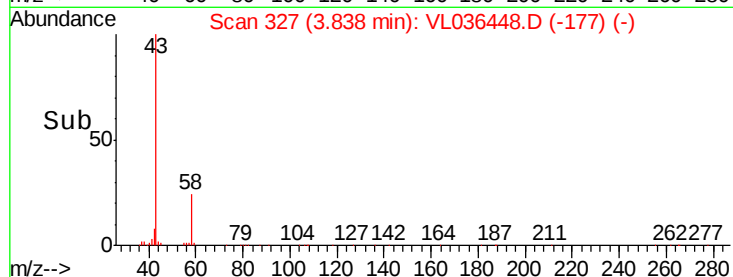
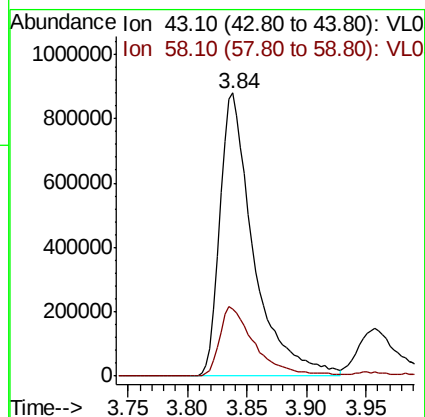
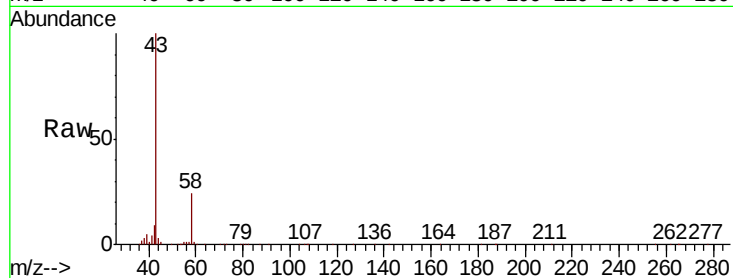




#15
Acetone
Concen: 8.981 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

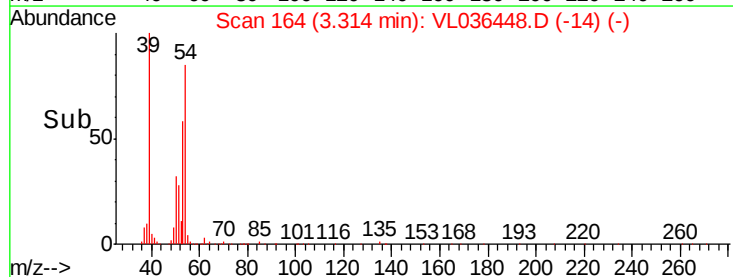
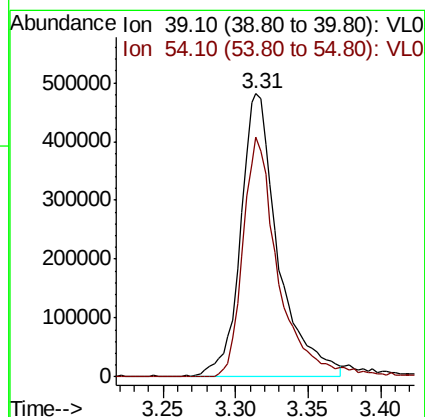
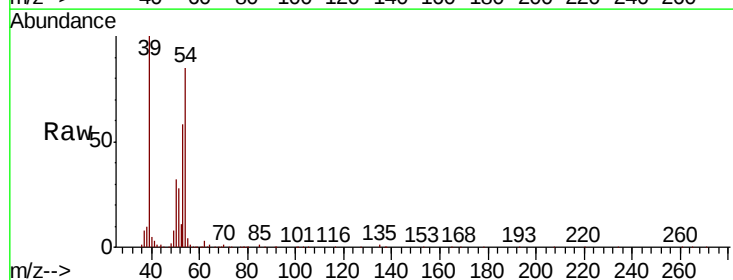
Instrument :
MSVOA_L
ClientSampleId :

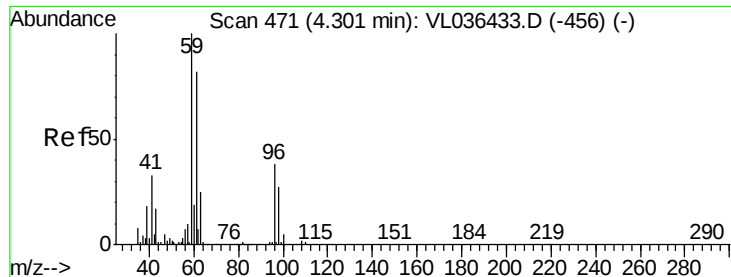
Tot Ion: 43 Resp: 1724123
Ion Ratio Lower Upper
43 100
58 26.0 21.0 31.6



#16
1,3-Butadiene
Concen: 9.266 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 39 Resp: 858031
Ion Ratio Lower Upper
39 100
54 81.6 64.5 96.7





#17

tert-Butyl alcohol

Concen: 10.796 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

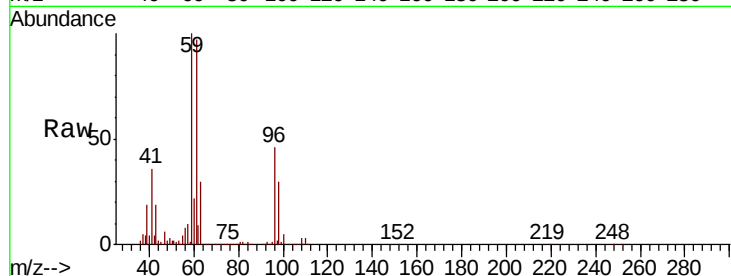
ClientSampleId :

Tot Ion: 59 Resp: 1643487

Ion Ratio Lower Upper

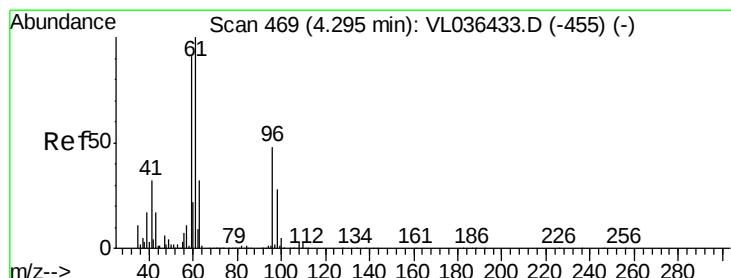
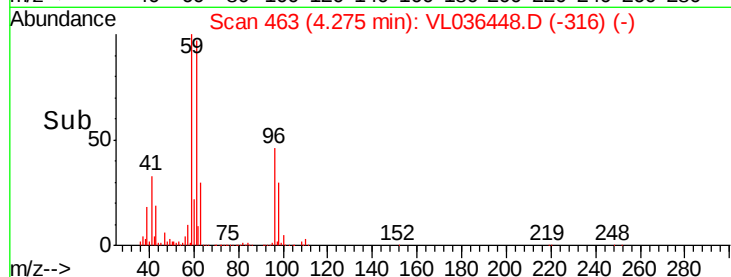
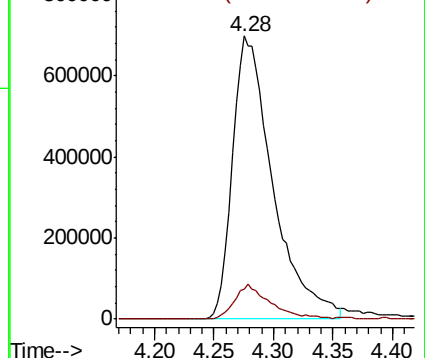
59 100

57 11.2 8.9 13.3



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.350 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

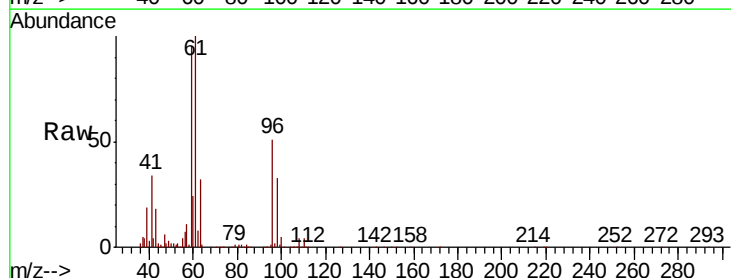
Tgt Ion: 96 Resp: 635855

Ion Ratio Lower Upper

96 100

61 196.6 168.2 252.2

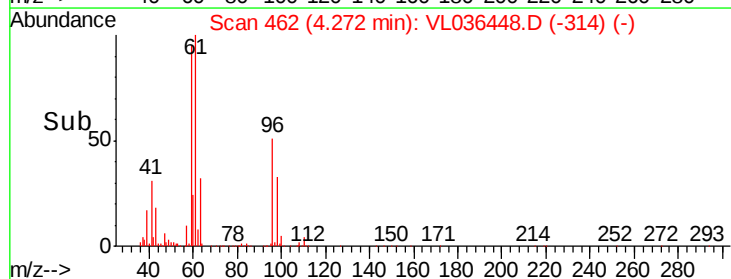
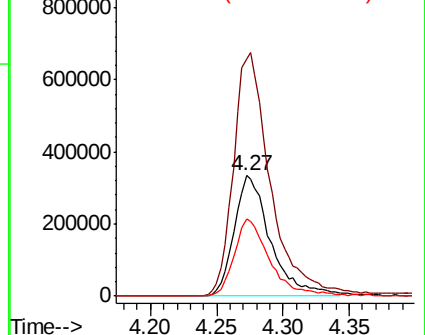
98 64.1 47.8 71.6

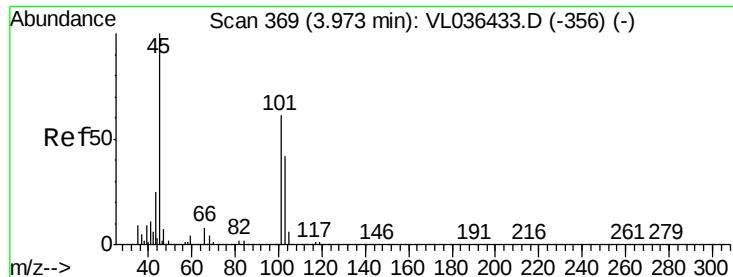


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



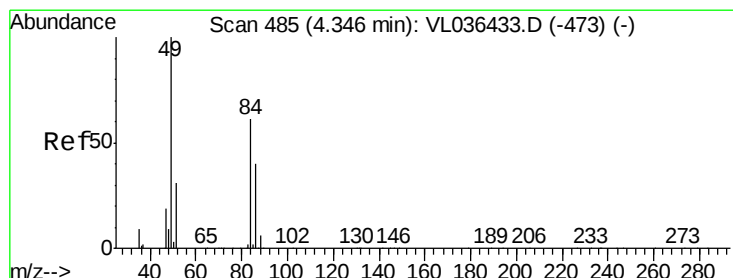
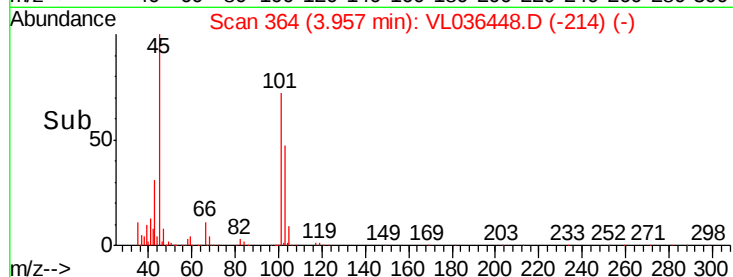
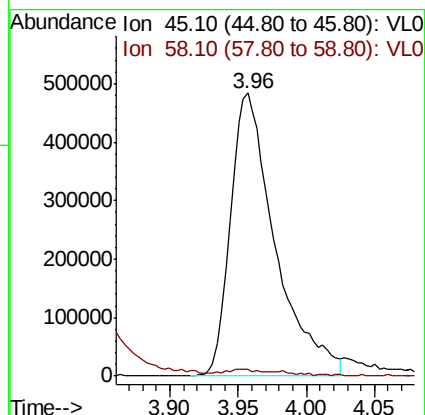
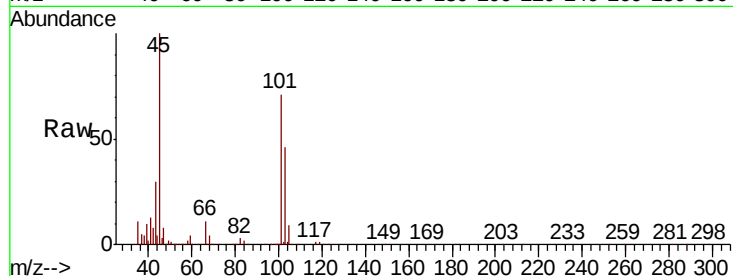


#19

Isopropyl Alcohol
 Concen: 10.178 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :

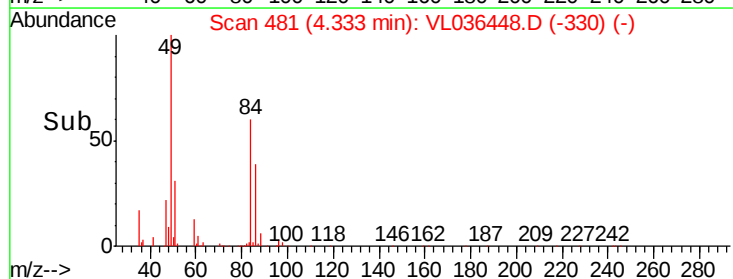
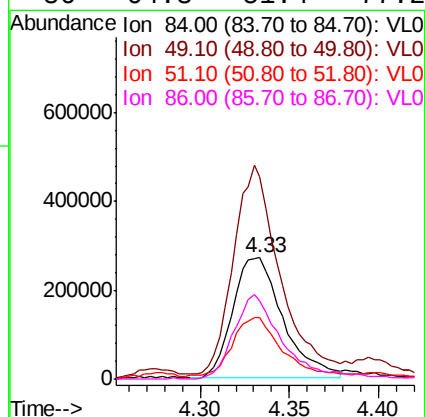
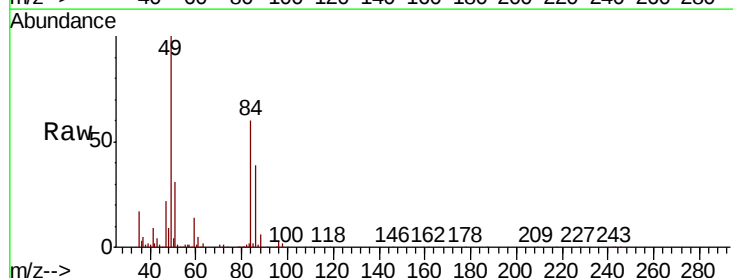
Tot Ion: 45 Resp: 1098160
 Ion Ratio Lower Upper
 45 100
 58 2.7 2.0 3.0

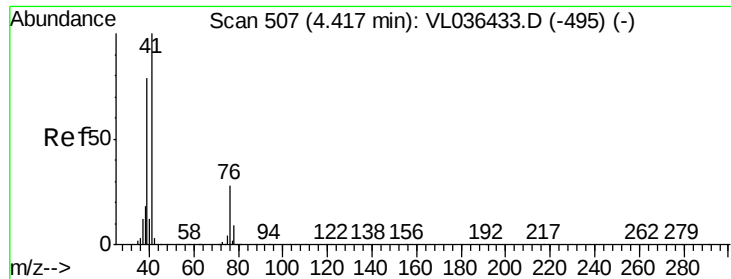


#20

Methylene Chloride
 Concen: 8.296 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 84 Resp: 536818
 Ion Ratio Lower Upper
 84 100
 49 163.1 130.2 195.2
 51 47.5 40.5 60.7
 86 64.3 51.4 77.2

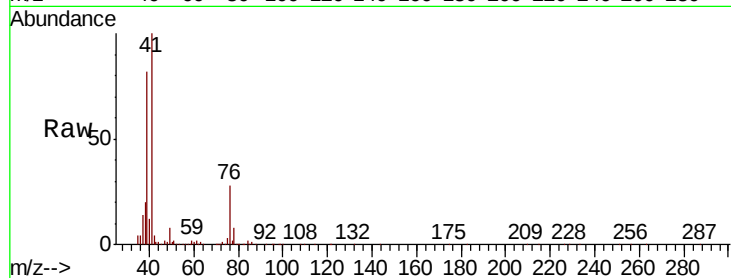




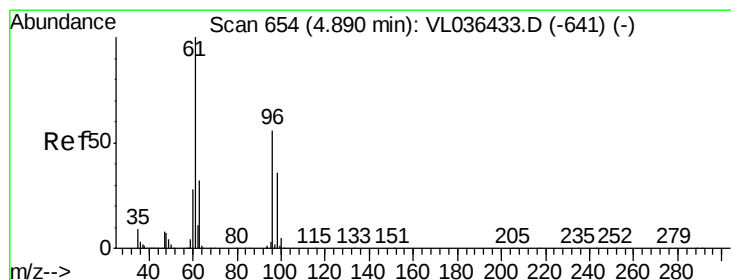
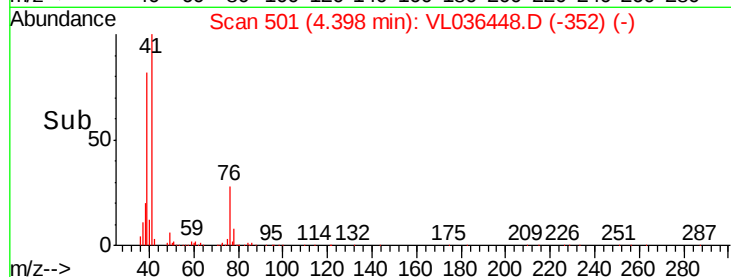
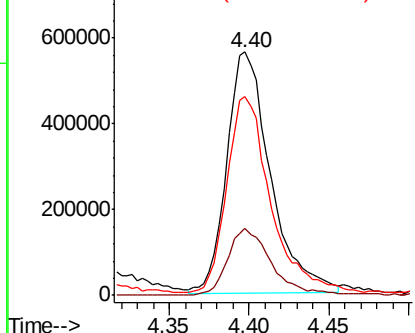
#21
Allvl Chloride
Concen: 9.674 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1047176
Ion Ratio Lower Upper
41 100
76 28.1 21.8 32.8
39 84.5 66.0 99.0

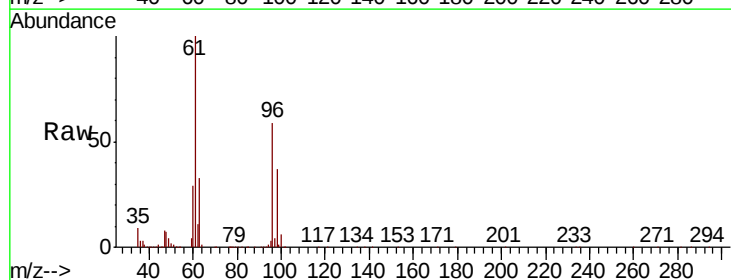


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

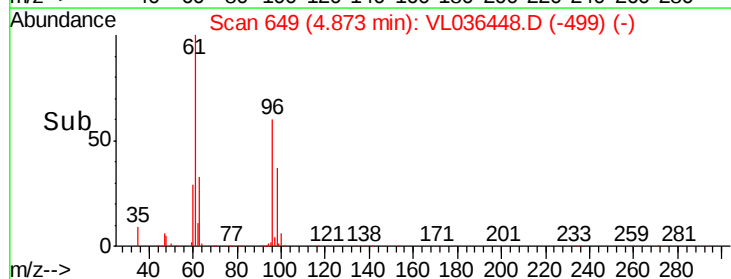
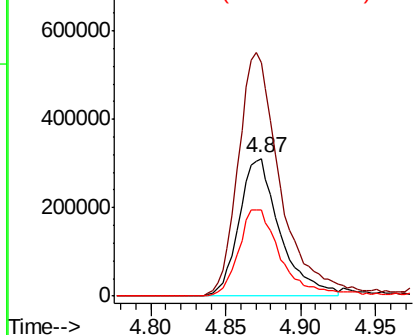


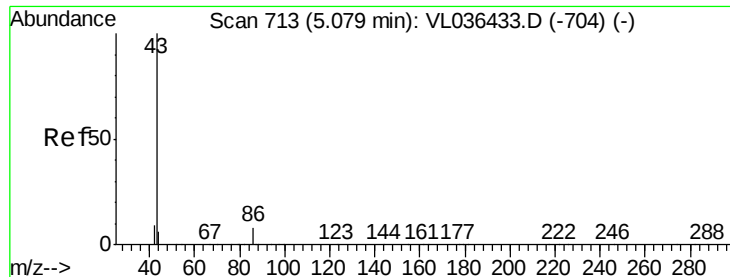
#22
trans-1,2-Dichloroethene
Concen: 9.657 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 96 Resp: 594631
Ion Ratio Lower Upper
96 100
61 168.8 142.1 213.1
98 62.4 50.6 75.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



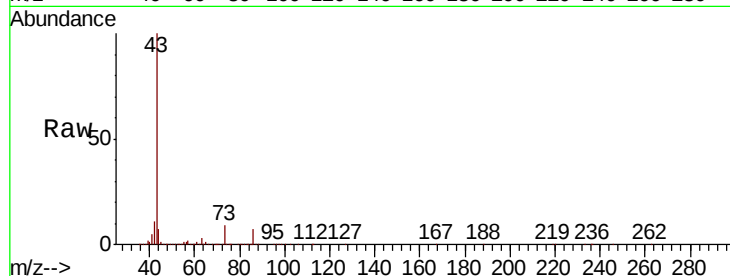


#23
 Vinyl Acetate
 Concen: 9.871 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

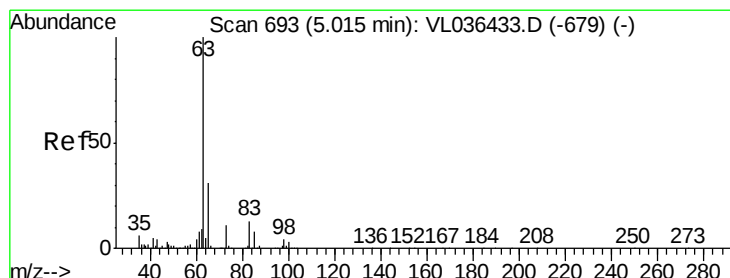
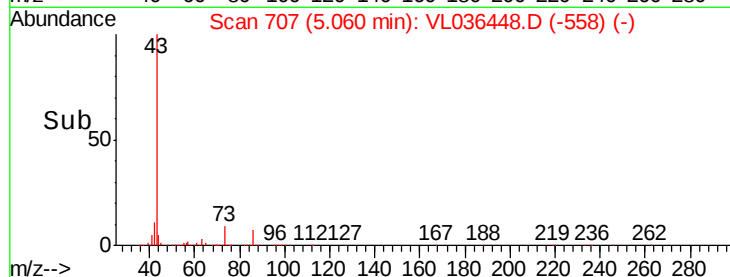
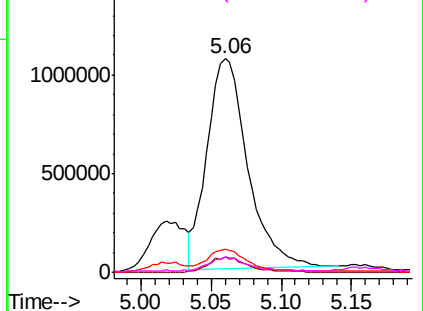
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2144590

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.2	7.8
42	10.5	8.3	12.5
44	6.3	4.4	6.6



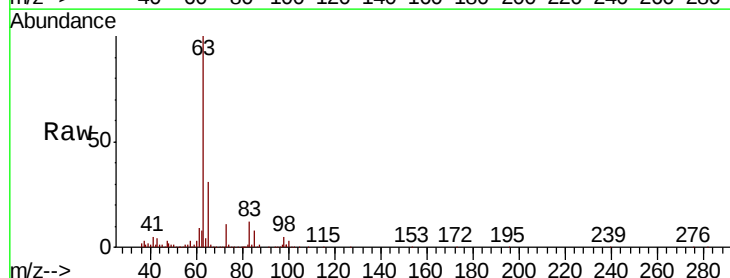
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



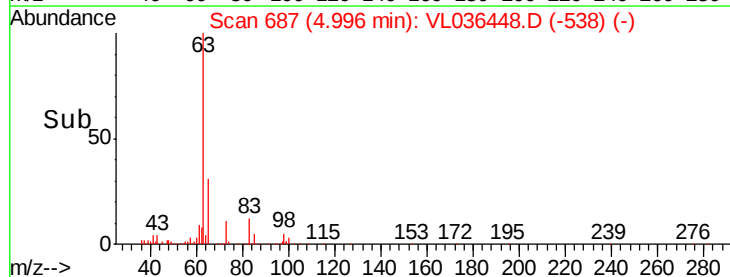
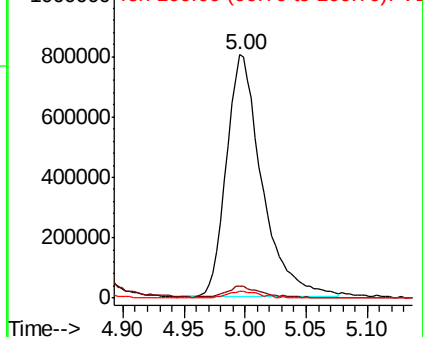
#24
 1,1-Dichloroethane
 Concen: 9.554 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

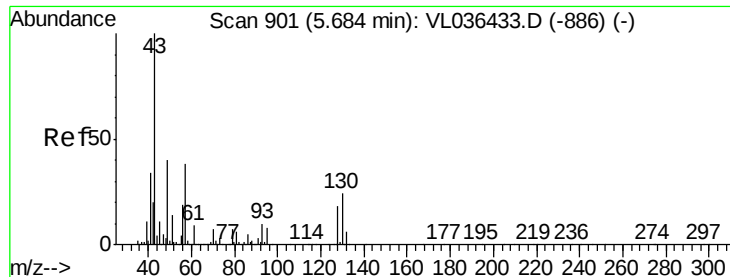
Tgt Ion: 63 Resp: 1638262

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.0	5.8
100	2.9	1.3	3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.607 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

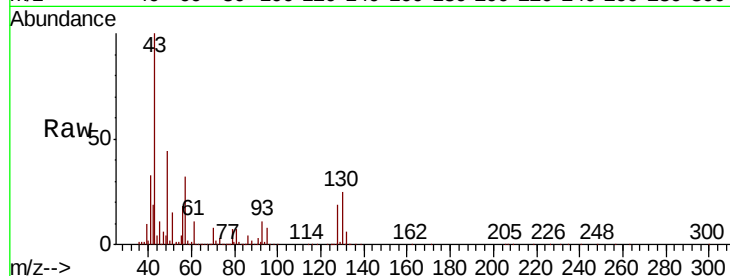
Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

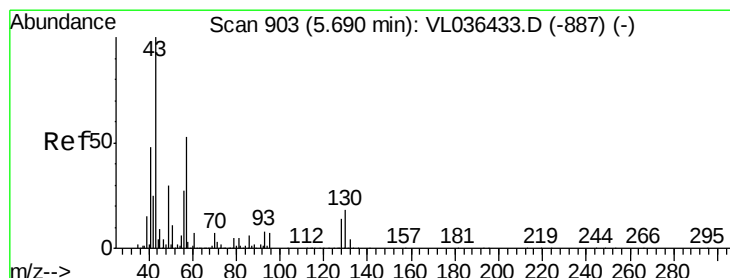
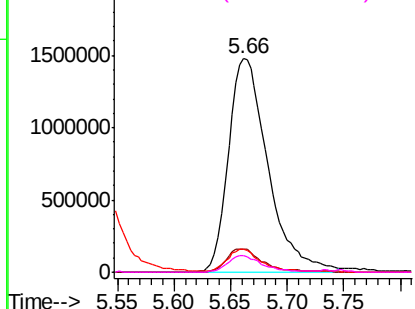
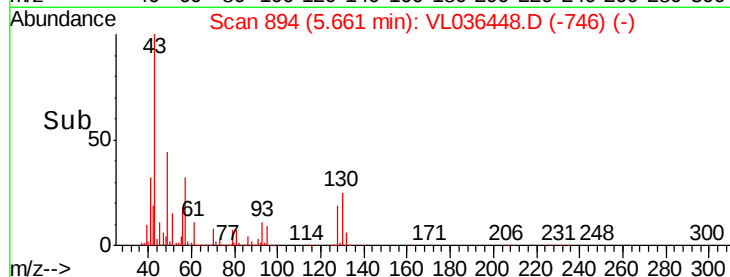
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3585956

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	10.1	7.7	11.5
70	6.9	5.4	8.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.520 ppbv

RT: 5.67 min Scan# 897

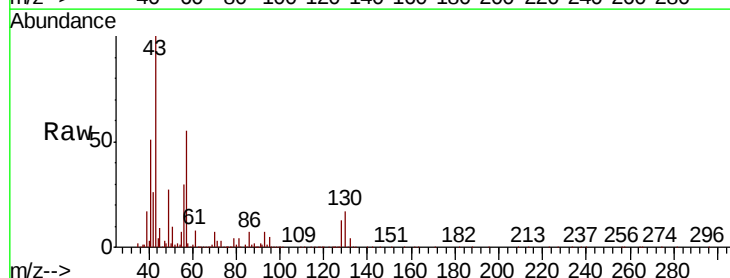
Delta R.T. -0.02 min

Lab File: VL036448.D

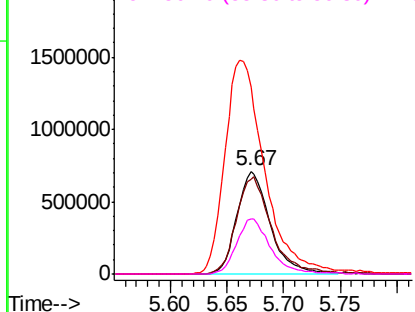
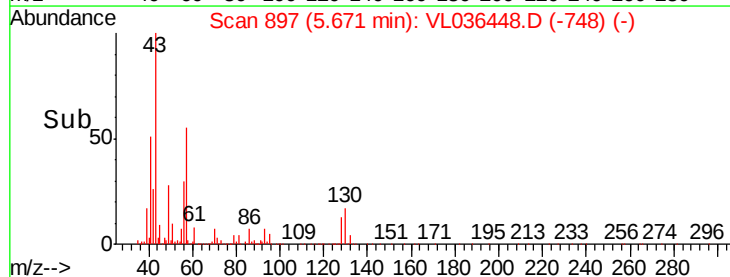
Acq: 19 Mar 2021 14:27

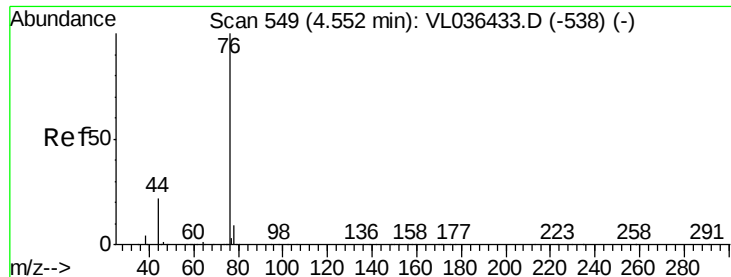
Tgt Ion: 57 Resp: 1453975

Ion	Ratio	Lower	Upper
57	100		
41	101.8	80.4	120.6
43	251.2	199.8	299.6
56	55.3	43.8	65.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.505 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

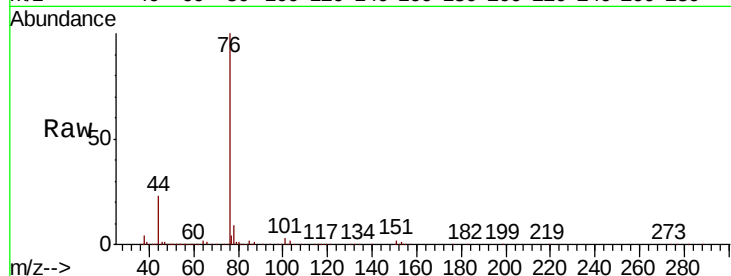
Tot Ion: 76 Resp: 1592341

Ion Ratio Lower Upper

76 100

44 21.4 17.4 26.0

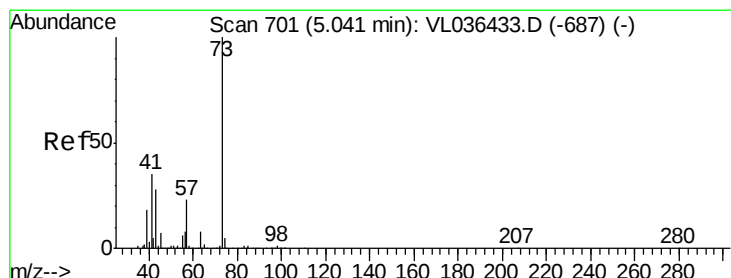
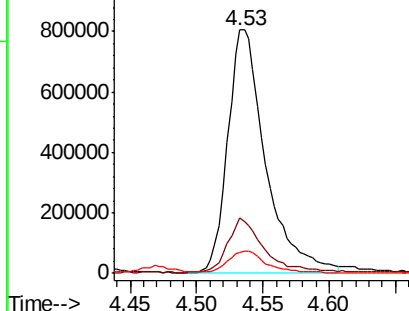
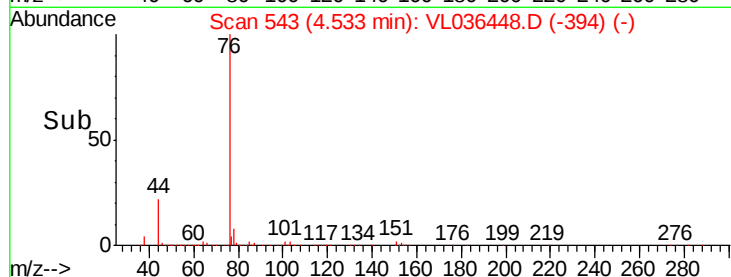
78 9.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.734 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL036448.D

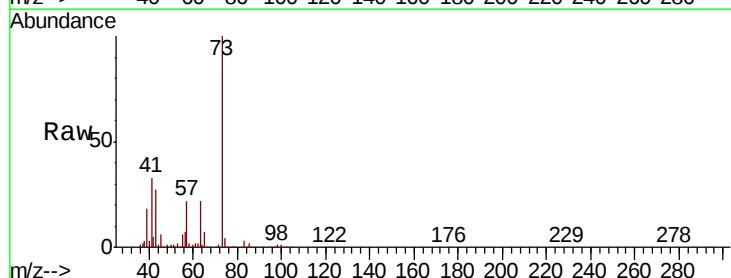
Acq: 19 Mar 2021 14:27

Tgt Ion: 73 Resp: 1992171

Ion Ratio Lower Upper

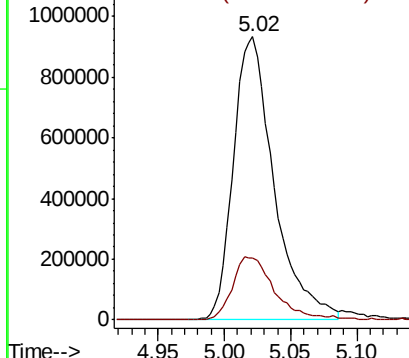
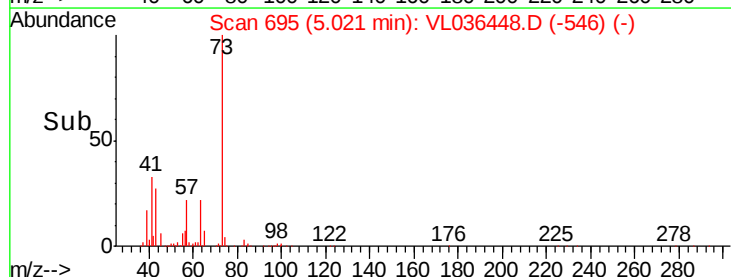
73 100

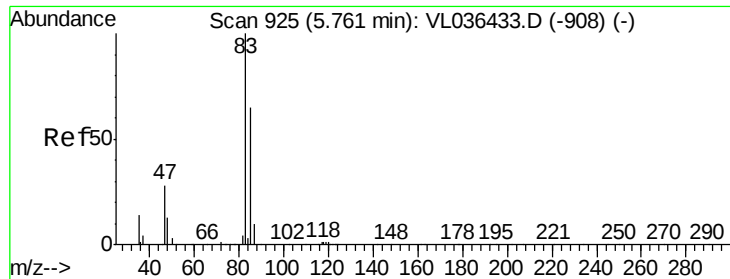
57 23.3 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.546 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

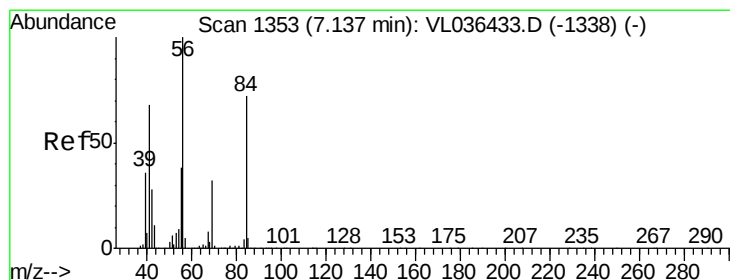
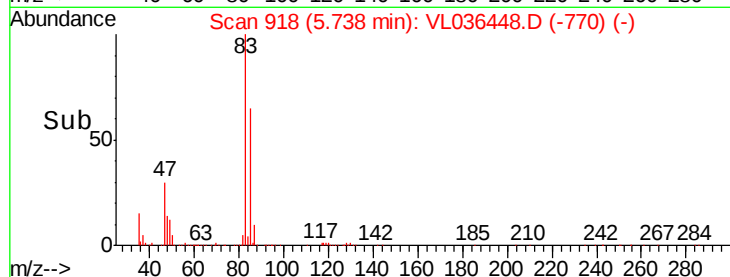
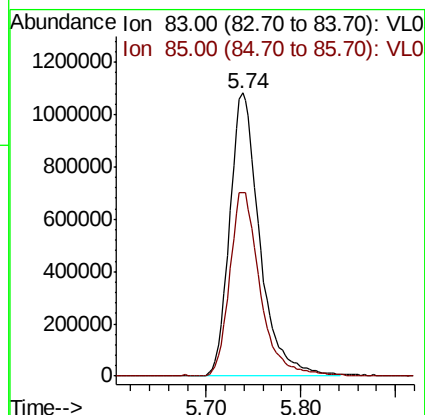
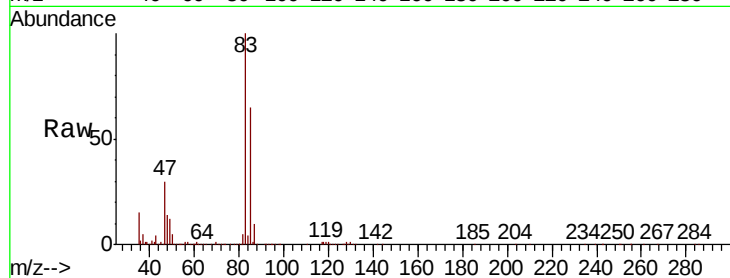
ClientSampleId :

Tot Ion: 83 Resp: 2385359

Ion Ratio Lower Upper

83 100

85 64.7 51.9 77.9



#30

Cyclohexane

Concen: 9.857 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

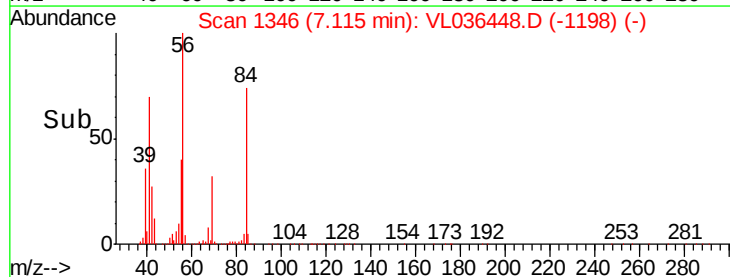
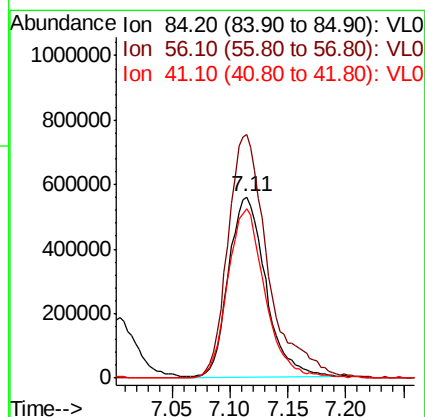
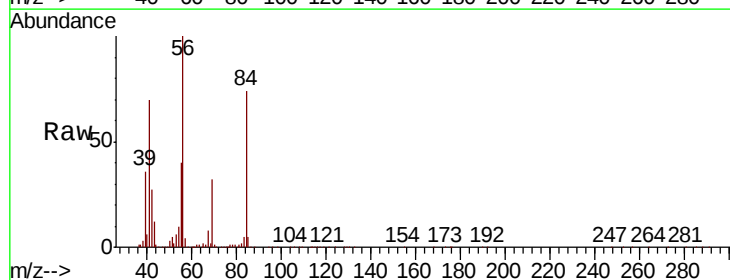
Tgt Ion: 84 Resp: 1243963

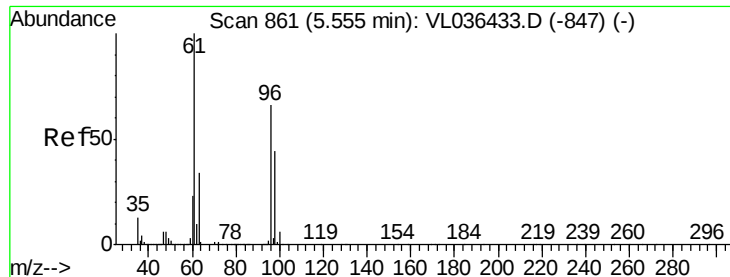
Ion Ratio Lower Upper

84 100

56 146.4 117.6 176.4

41 94.7 75.9 113.9



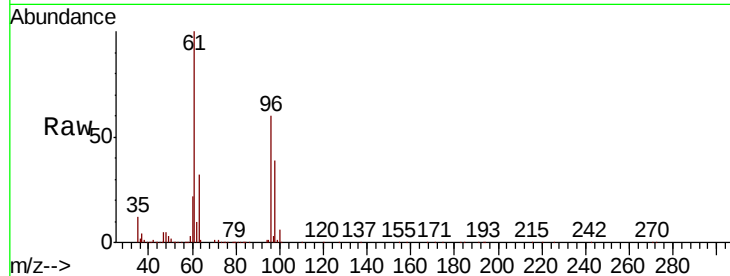


#31

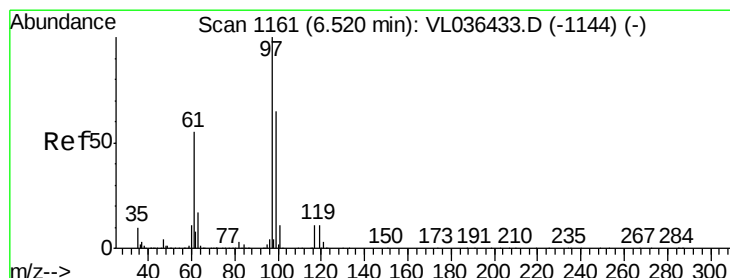
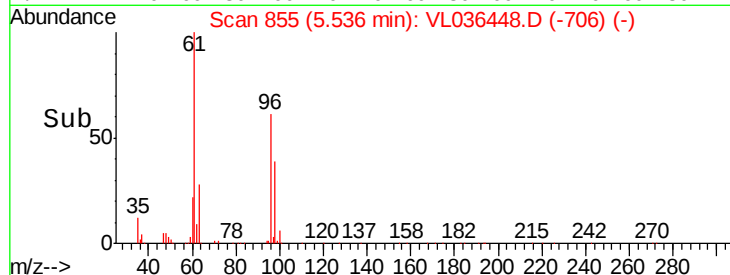
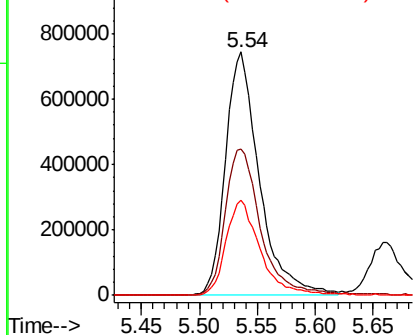
cis-1,2-Dichloroethene
 Concen: 10.161 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 1498985
 Ion Ratio Lower Upper
 61 100
 96 60.2 52.9 79.3
 98 39.2 34.9 52.3



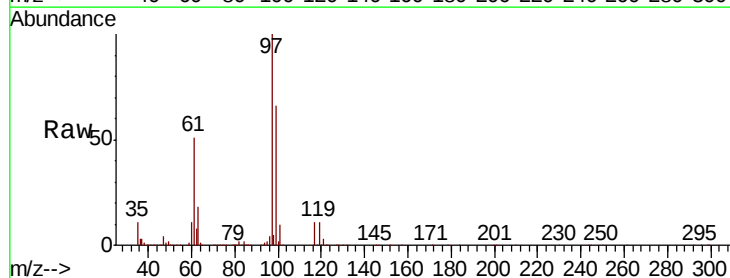
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



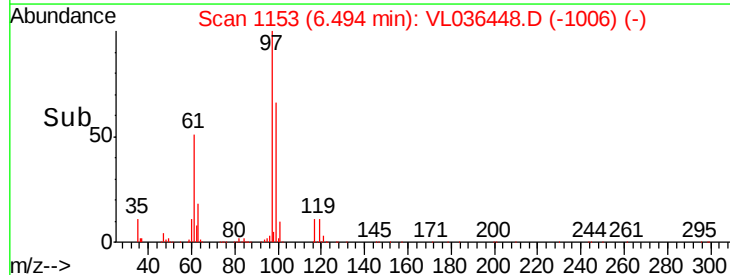
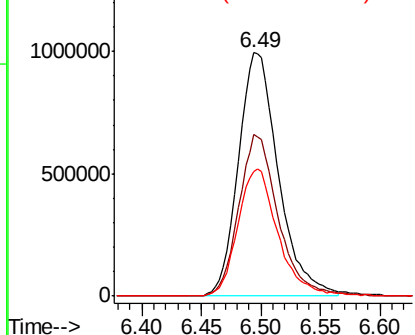
#32

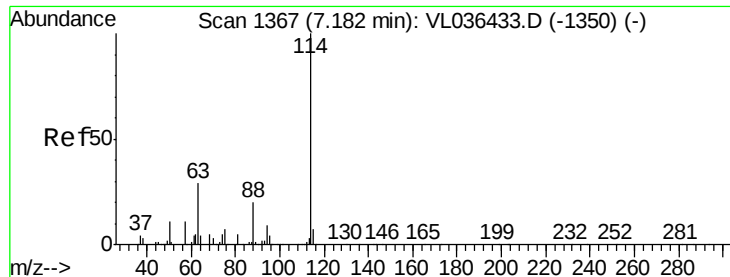
1,1,1-Trichloroethane
 Concen: 9.242 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 97 Resp: 2320578
 Ion Ratio Lower Upper
 97 100
 99 65.6 52.1 78.1
 61 52.3 42.2 63.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

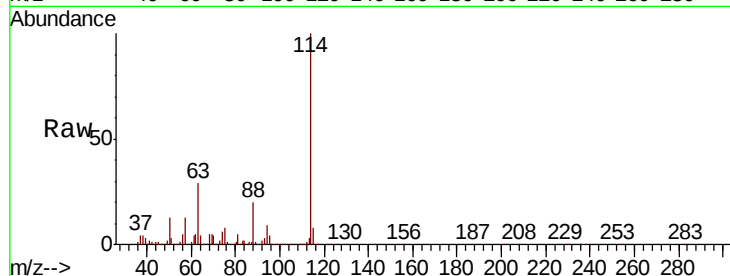




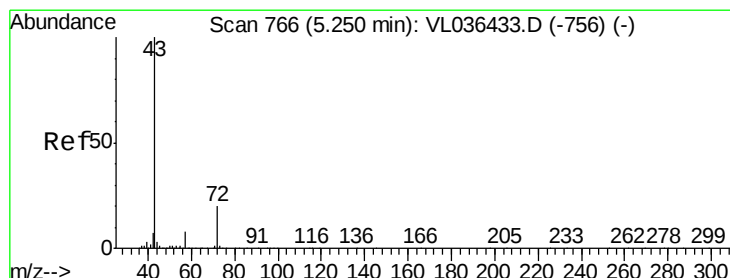
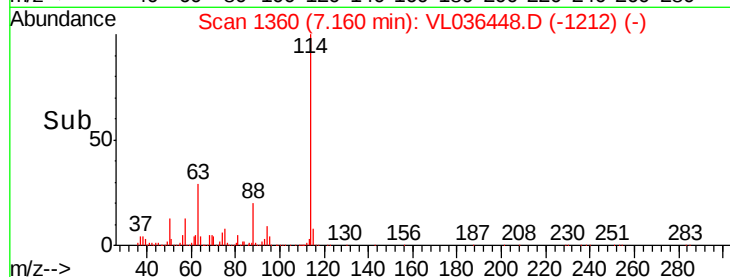
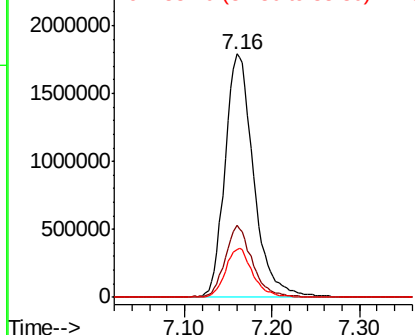
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4066137
 Ion Ratio Lower Upper
 114 100
 63 28.4 23.3 34.9
 88 19.3 15.6 23.4

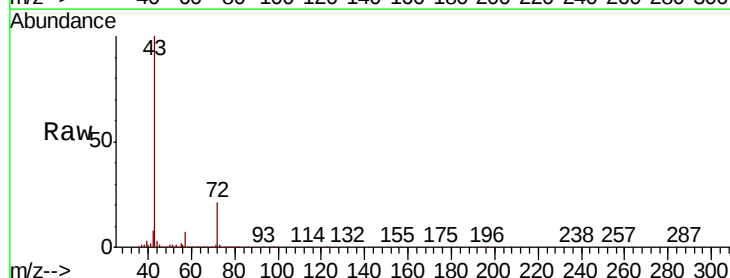


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

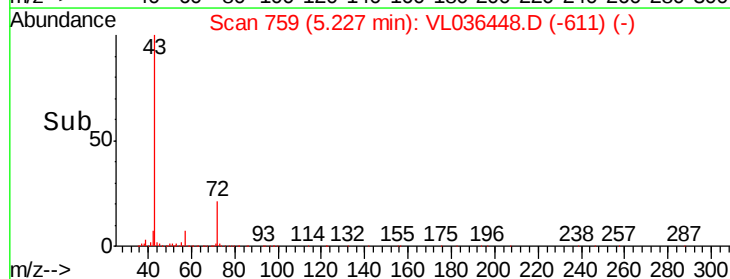
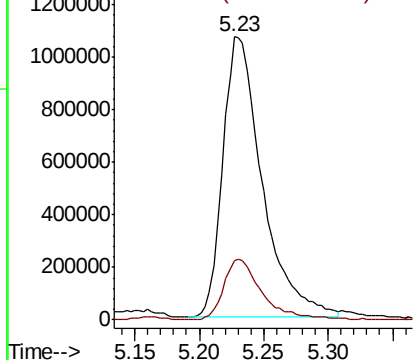


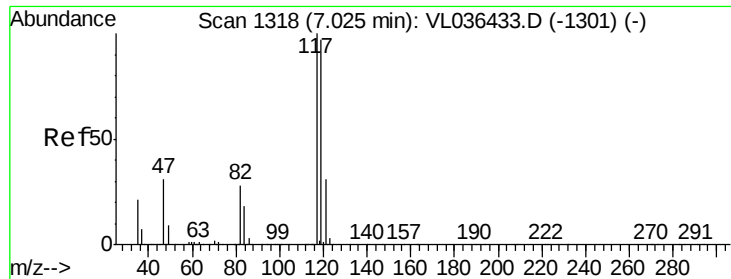
#34
 2-Butanone
 Concen: 9.283 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 43 Resp: 2275166
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

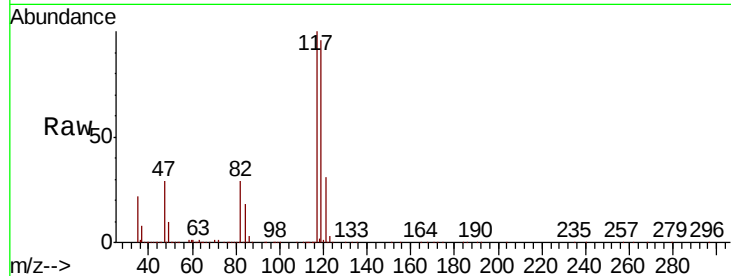




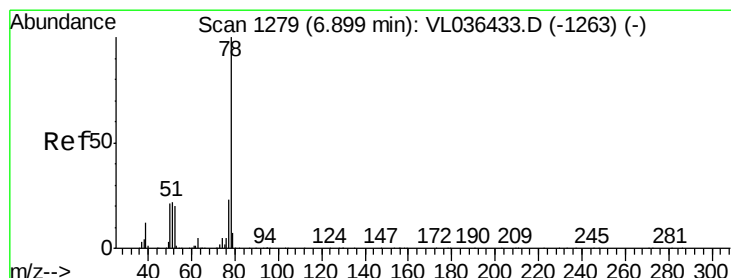
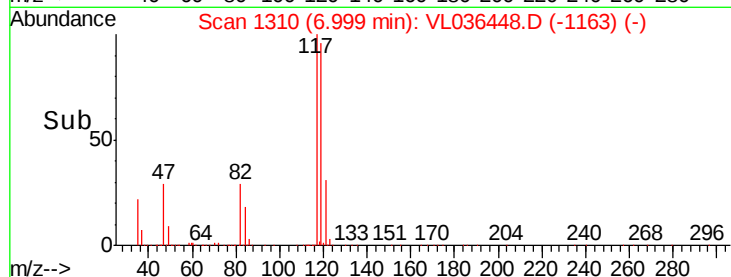
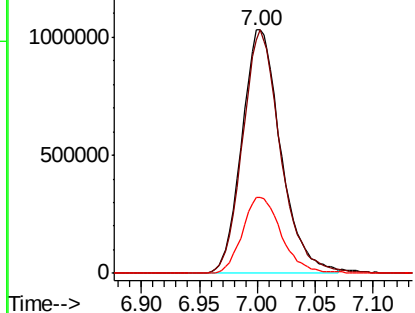
#35
Carbon Tetrachloride
Concen: 9.164 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.03 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2407579
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.6
121 31.2 24.6 36.8

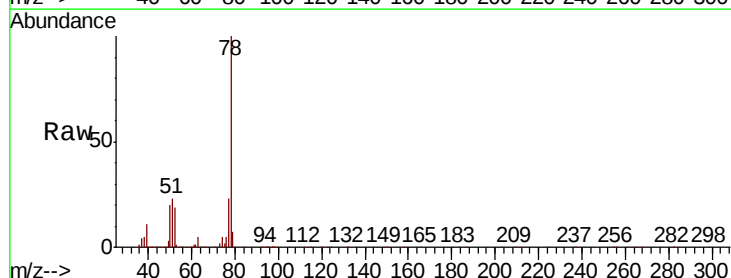


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

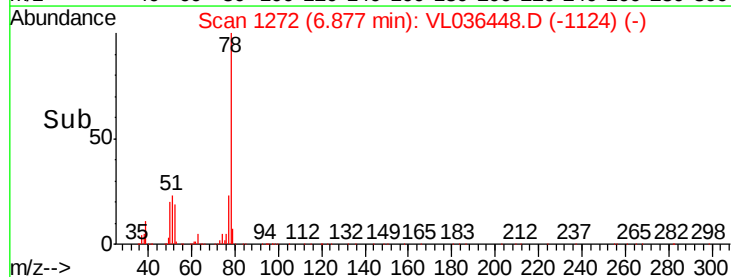
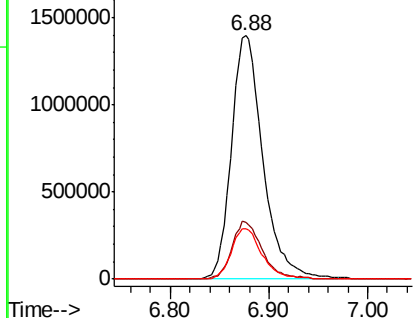


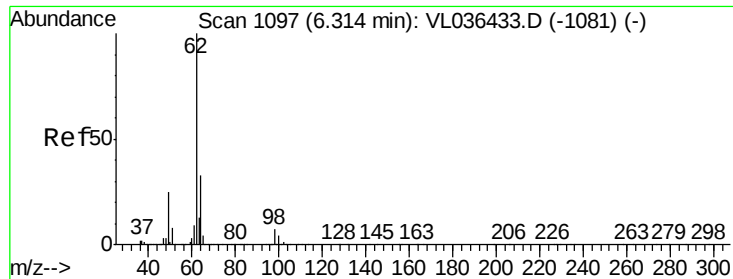
#36
Benzene
Concen: 9.838 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 78 Resp: 3103910
Ion Ratio Lower Upper
78 100
77 23.0 18.1 27.1
50 20.5 16.8 25.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

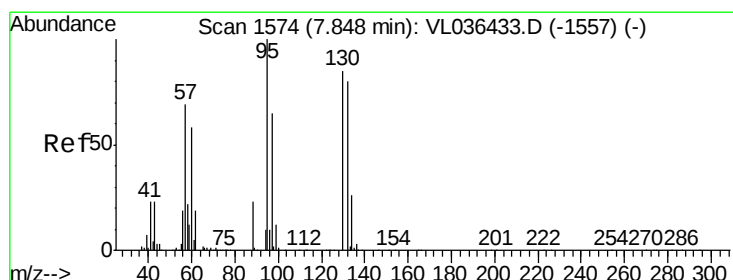
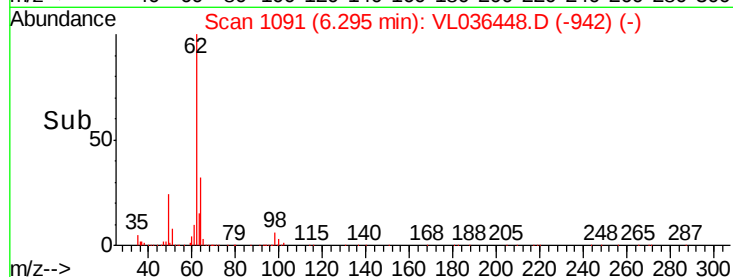
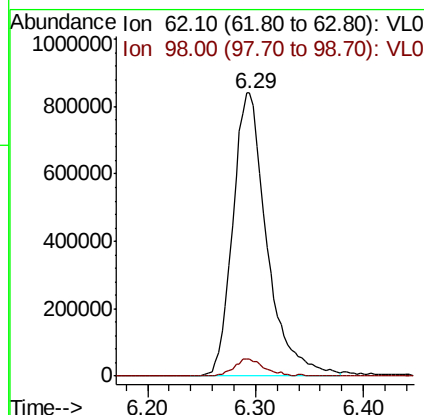
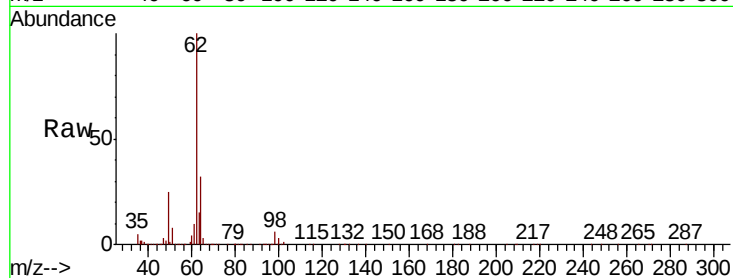




#37
 1,2-Dichloroethane
 Concen: 9.323 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

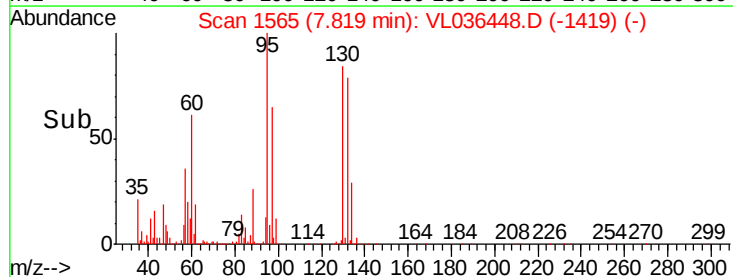
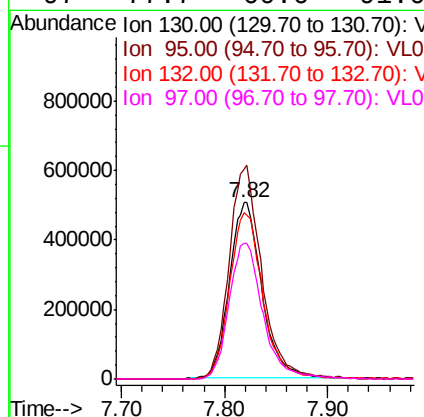
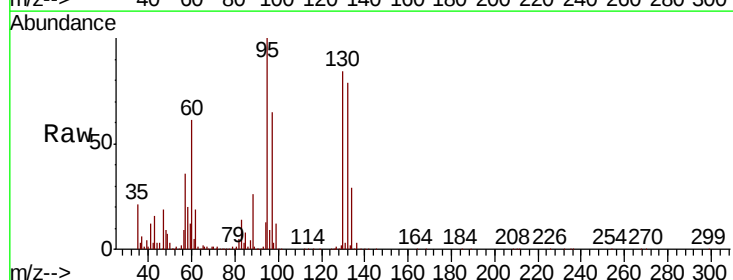
Instrument :
 MSVOA_L
 ClientSampleId :

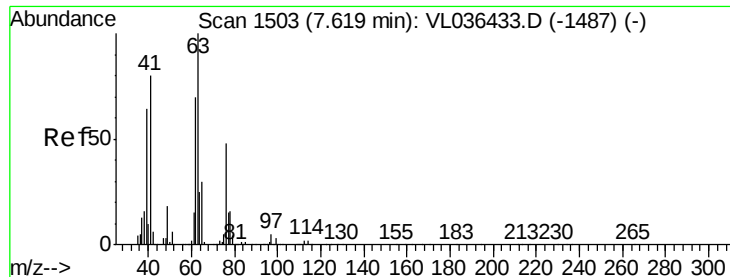
Tot Ion: 62 Resp: 1848251
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.8 7.2



#38
 Trichloroethene
 Concen: 9.239 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 130 Resp: 1101637
 Ion Ratio Lower Upper
 130 100
 95 119.8 93.8 140.8
 132 94.7 74.6 112.0
 97 77.7 60.6 91.0



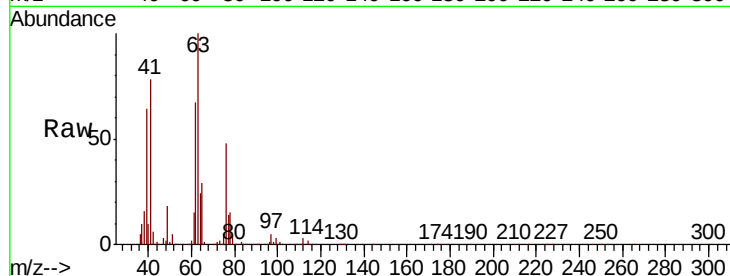


#39
 1,2-Dichloropropane
 Concen: 9.178 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

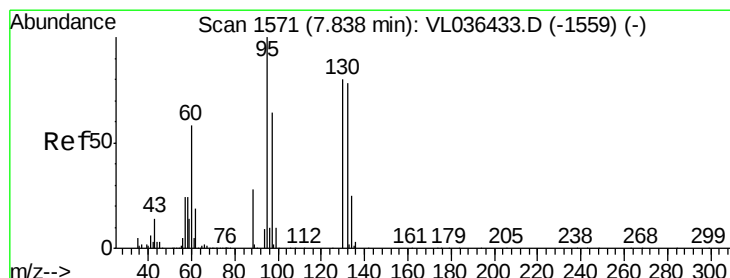
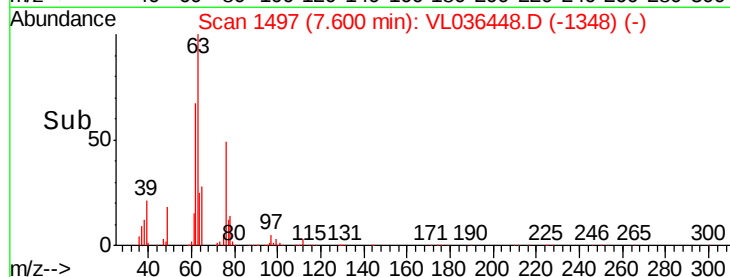
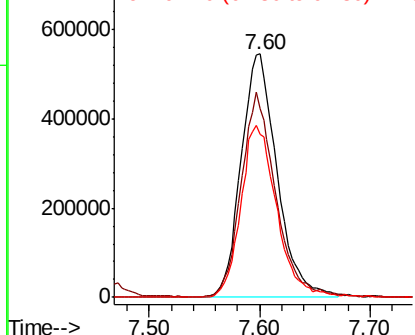
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1231387

Ion	Ratio	Lower	Upper
63	100		
41	77.3	64.4	96.6
62	66.7	55.7	83.5



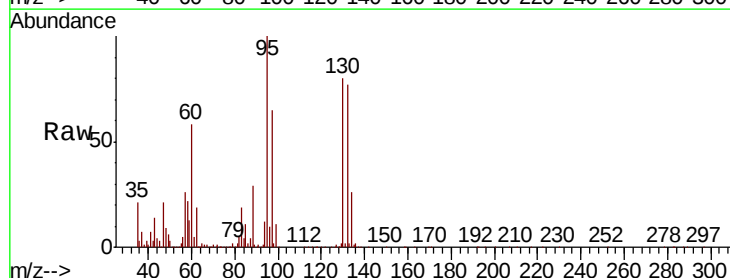
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



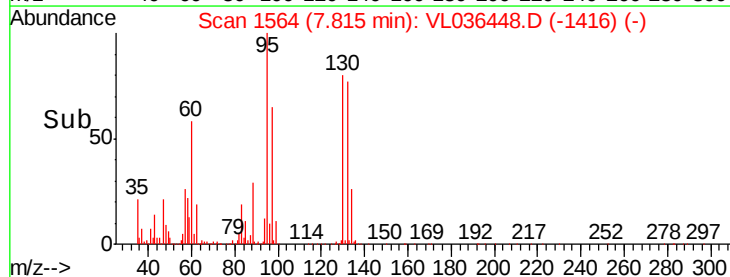
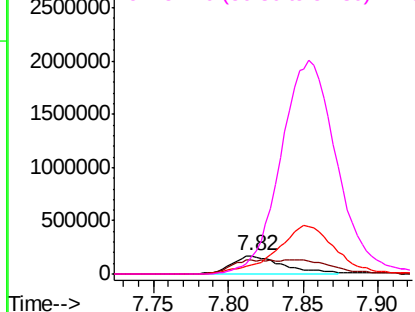
#40
 1,4-Dioxane
 Concen: 9.126 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

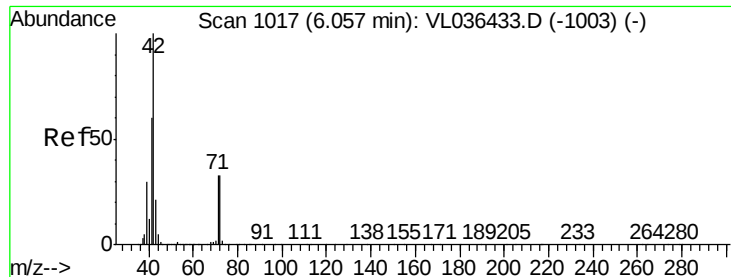
Tgt Ion: 88 Resp: 401940

Ion	Ratio	Lower	Upper
88	100		
58	0.0	119.6	179.4#
43	0.0	254.2	381.4#
57	0.0	1044.0	1566.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.851 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

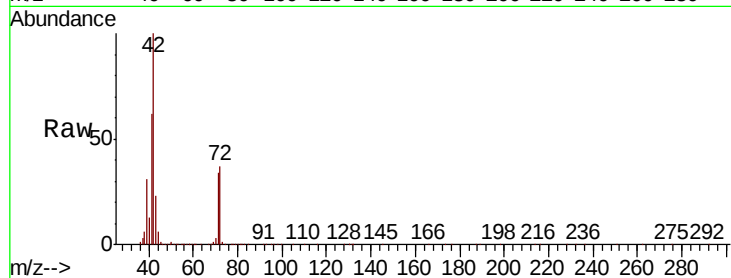
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 42 Resp: 1346550

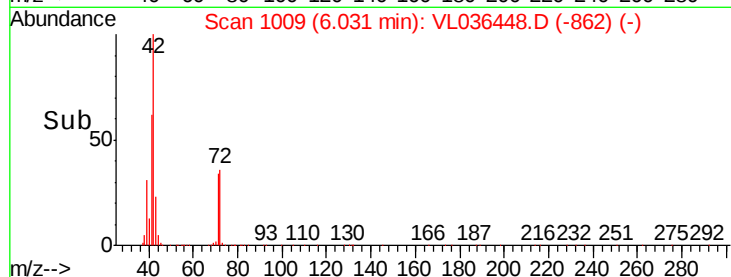
Ion	Ratio	Lower	Upper
42	100		
72	36.2	28.1	42.1
71	35.2	27.6	41.4



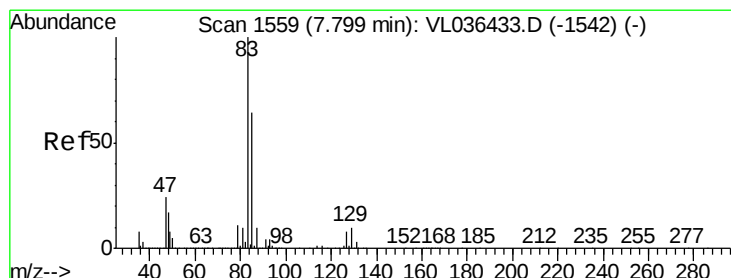
Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



Time-->



#42

Bromodichloromethane

Concen: 9.444 ppbv

RT: 7.78 min Scan# 1552

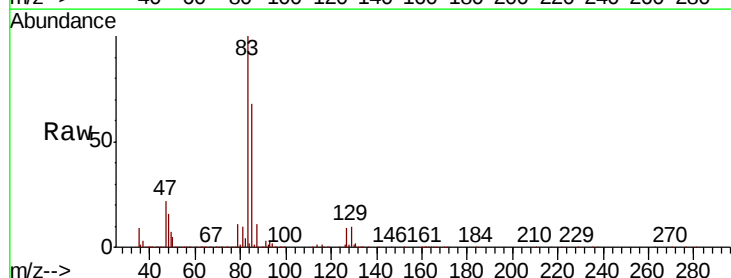
Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Tgt Ion: 83 Resp: 2530250

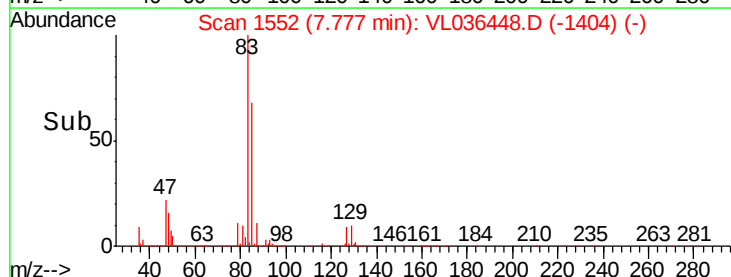
Ion	Ratio	Lower	Upper
83	100		
85	68.4	51.2	76.8
127	8.7	6.0	9.0



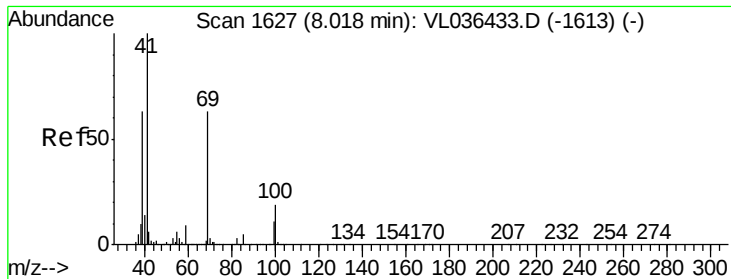
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V



Time-->



#43

Methyl Methacrylate

Concen: 10.526 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.02 min

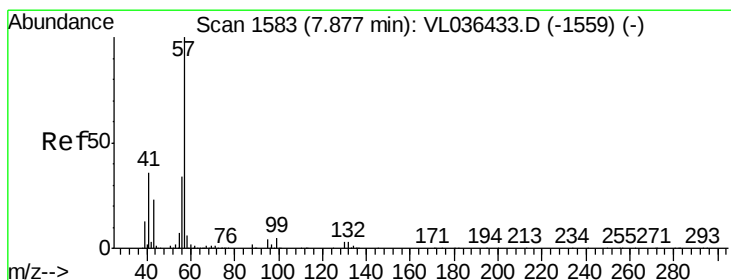
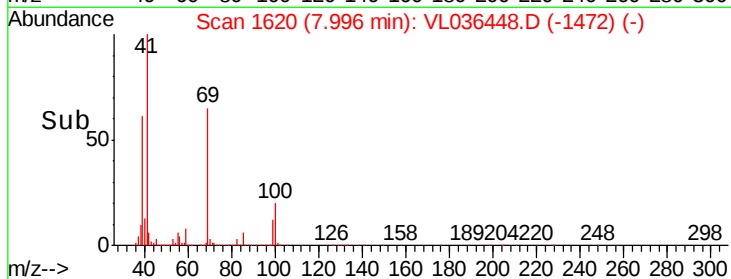
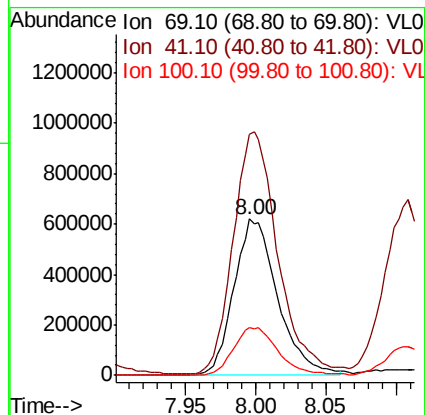
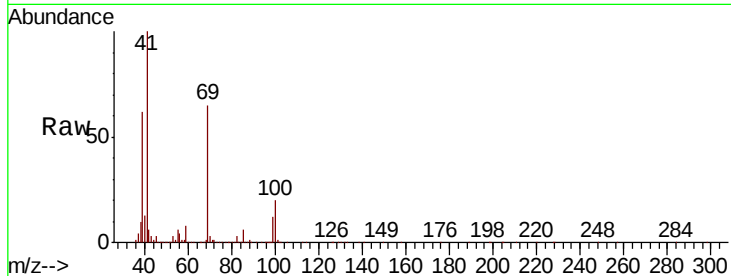
Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1344993

Ion	Ratio	Lower	Upper
69	100		
41	159.5	127.6	191.4
100	31.2	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 9.161 ppbv

RT: 7.85 min Scan# 1576

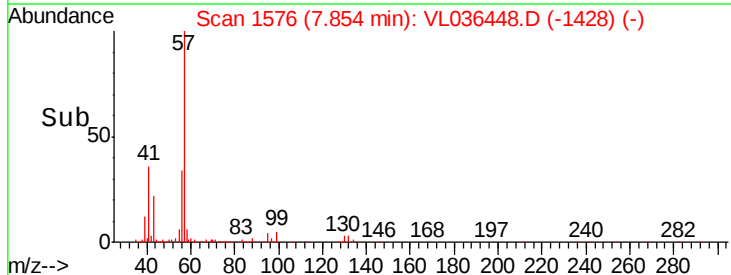
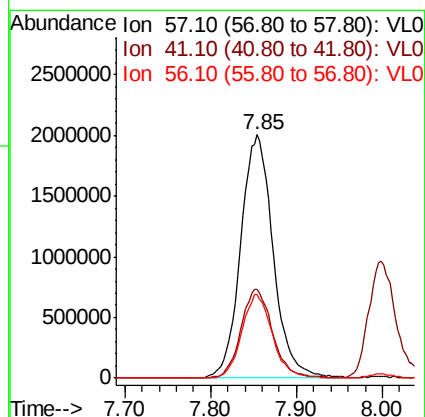
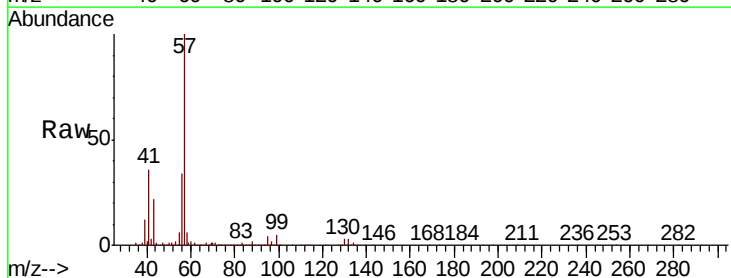
Delta R.T. -0.02 min

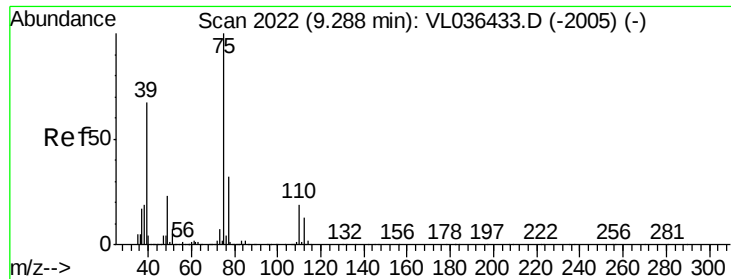
Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Tgt Ion: 57 Resp: 5270355

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.2
56	32.5	25.9	38.9

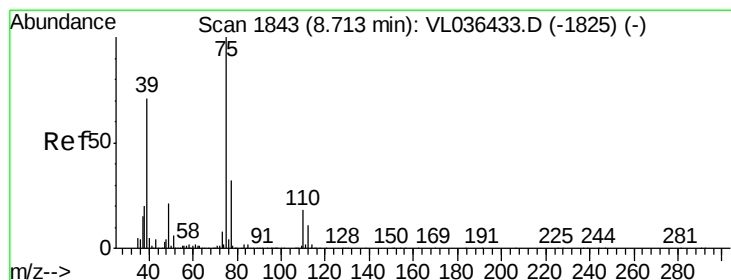
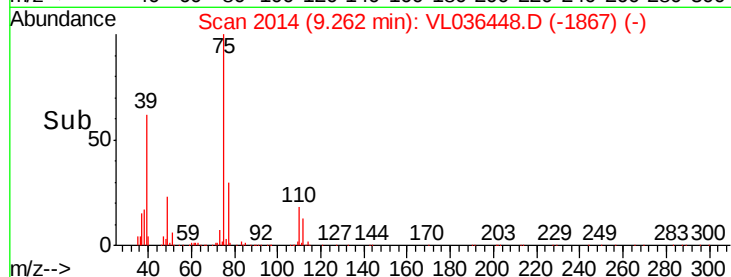
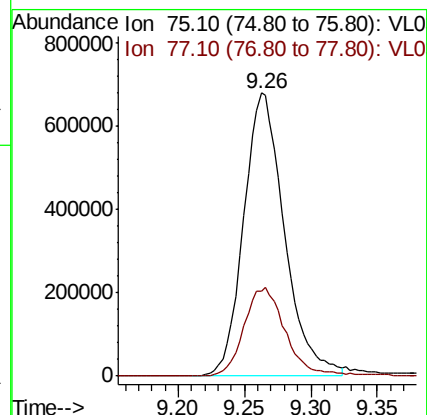
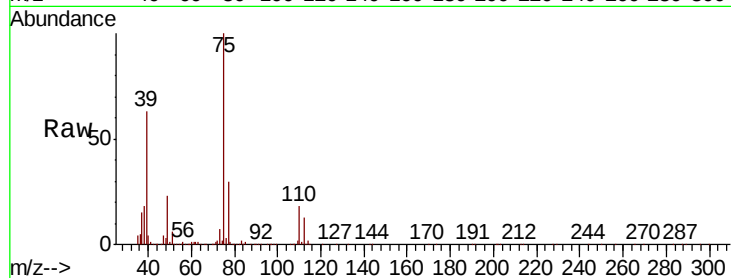




#45
 t-1,3-Dichloropropene
 Concen: 11.693 ppbv
 RT: 9.26 min Scan# 2014
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

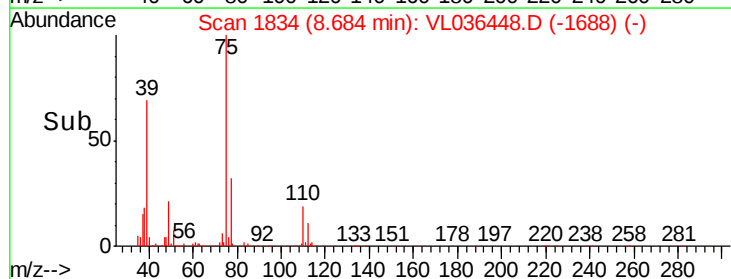
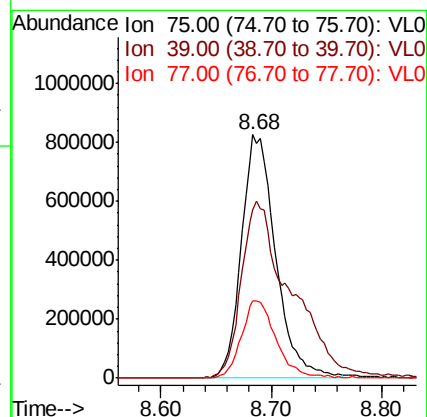
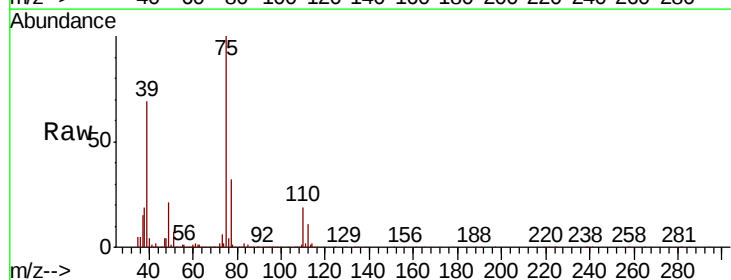
Instrument :
 MSVOA_L
 ClientSampleId :

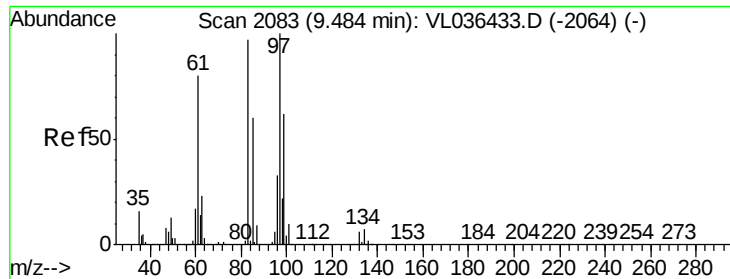
Tot Ion: 75 Resp: 1454119
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.976 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 75 Resp: 1781975
 Ion Ratio Lower Upper
 75 100
 39 68.7 57.1 85.7
 77 31.6 25.3 37.9



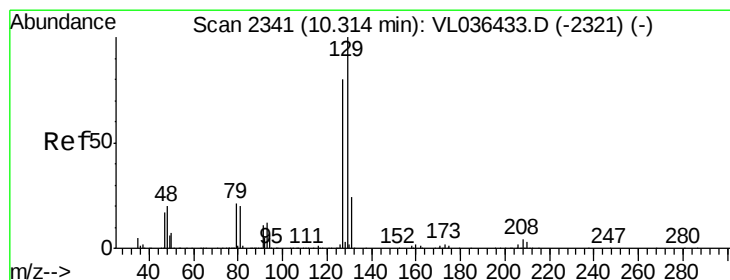
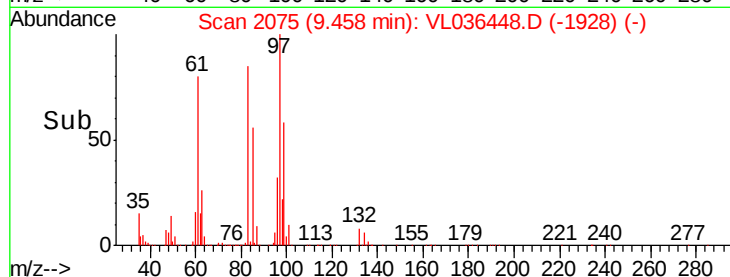
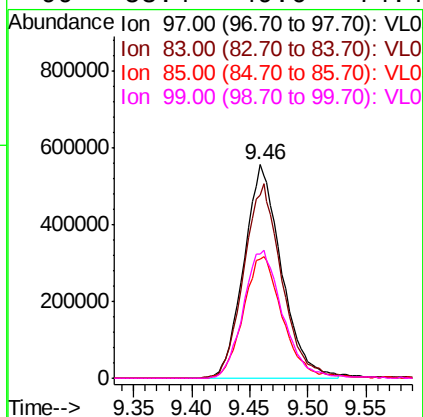
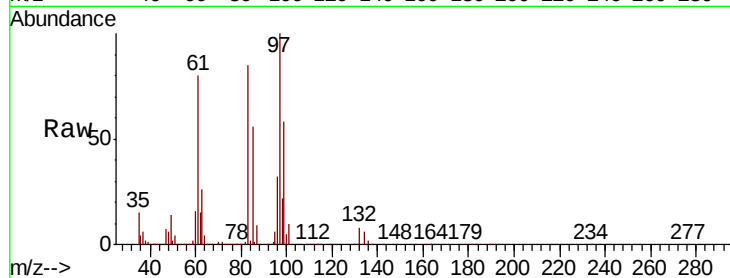


#47
 1,1,2-Trichloroethane
 Concen: 9.380 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1254450

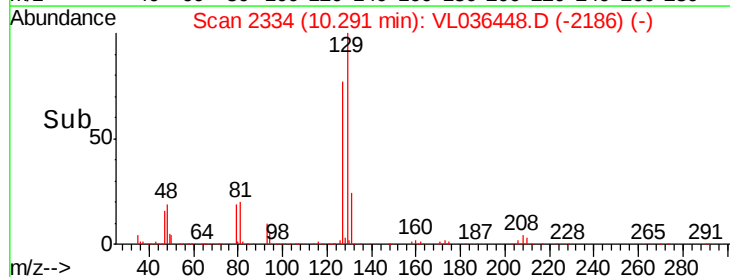
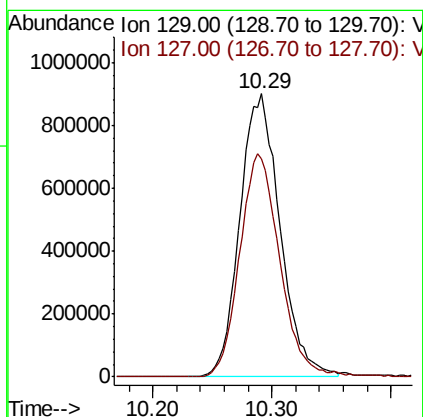
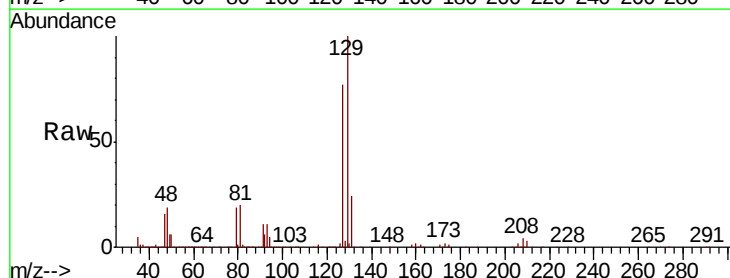
Ion	Ratio	Lower	Upper
97	100		
83	85.4	77.8	116.8
85	55.9	47.6	71.4
99	58.4	49.6	74.4

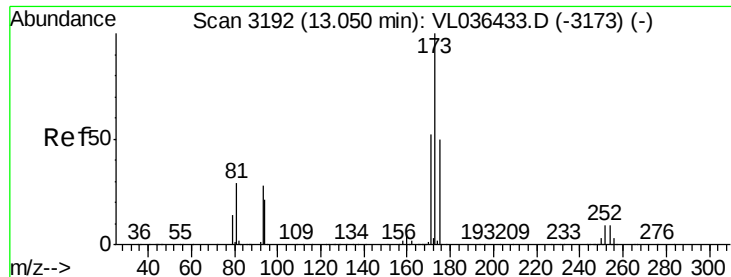


#48
 Dibromochloromethane
 Concen: 10.389 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 129 Resp: 2104197

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.4	118.1





#49

Bromoform

Concen: 10.724 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

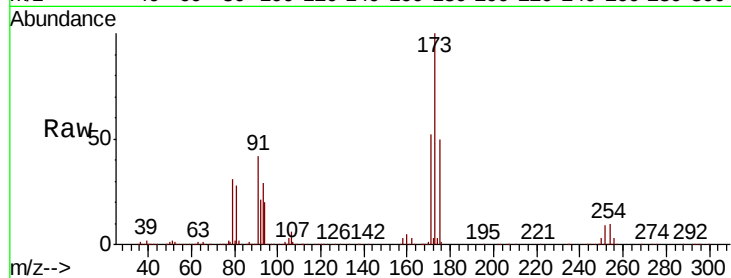
Tot Ion:173 Resp: 1776756

Ion Ratio Lower Upper

173 100

175 49.5 40.7 61.1

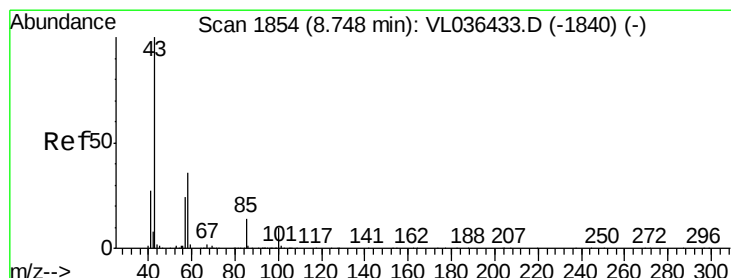
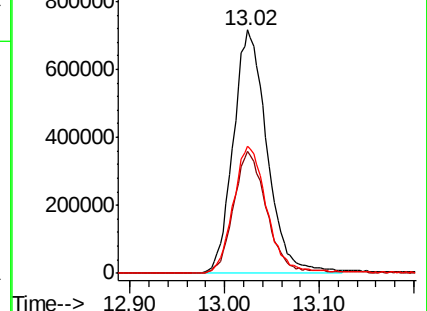
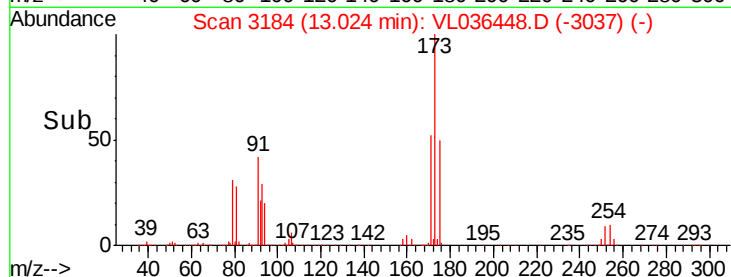
171 52.3 43.0 64.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.891 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.02 min

Lab File: VL036448.D

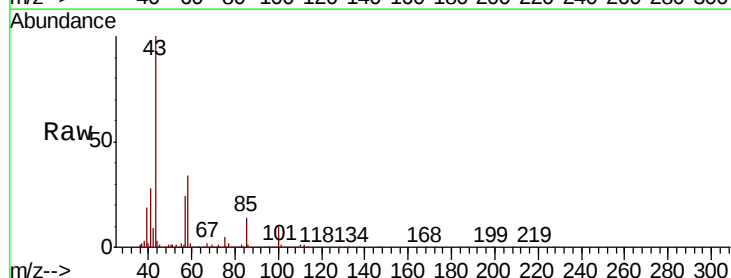
Acq: 19 Mar 2021 14:27

Tgt Ion: 43 Resp: 3529375

Ion Ratio Lower Upper

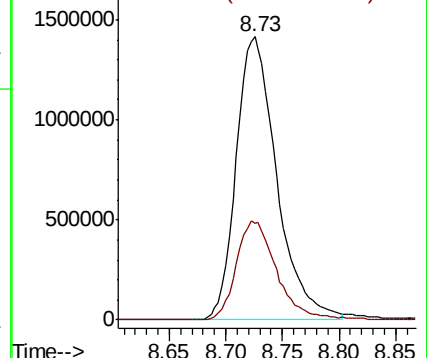
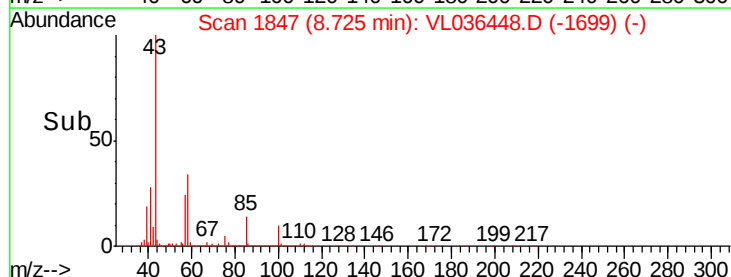
43 100

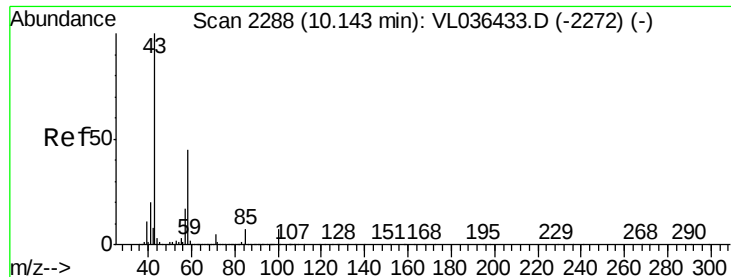
58 35.2 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

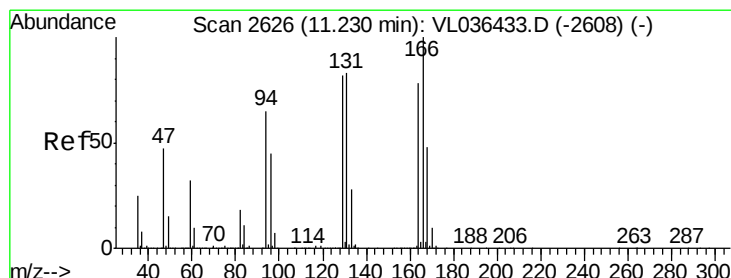
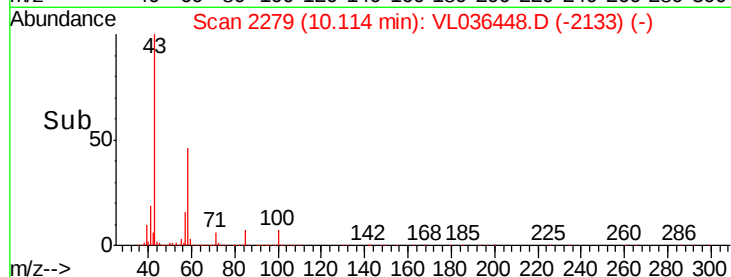
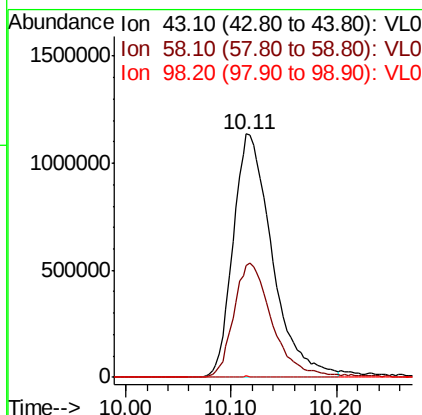
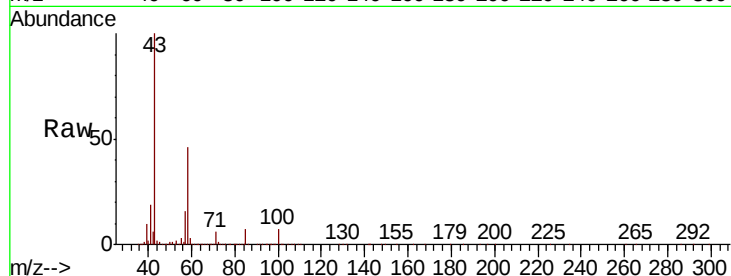




#51
2-Hexanone
Concen: 10.833 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

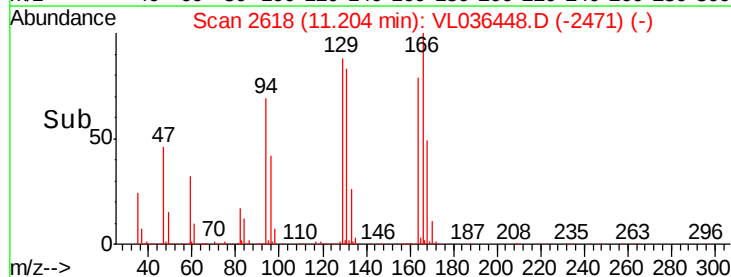
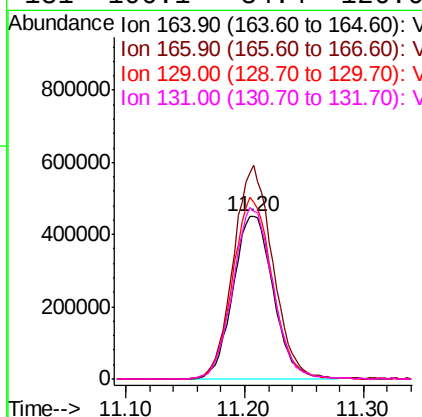
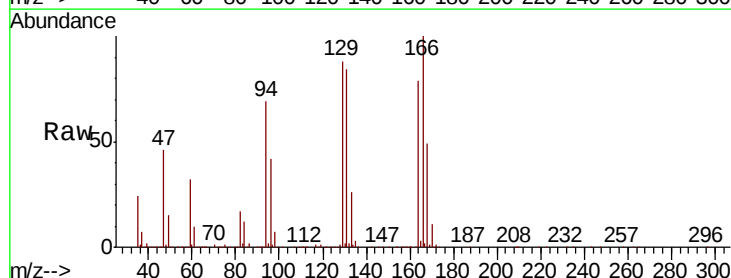
Instrument :
MSVOA_L
ClientSampleId :

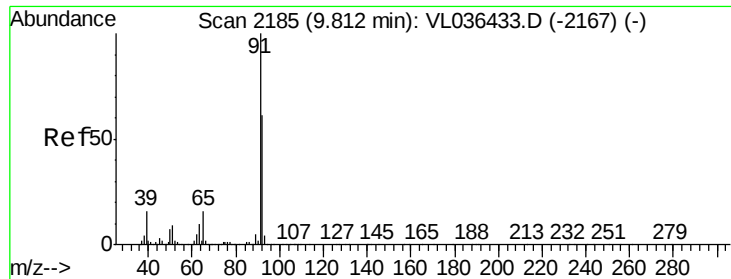
Tot Ion: 43 Resp: 2922296
Ion Ratio Lower Upper
43 100
58 47.1 37.8 56.8
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.878 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion:164 Resp: 1050510
Ion Ratio Lower Upper
164 100
166 126.8 102.0 153.0
129 111.7 83.3 124.9
131 106.1 84.4 126.6





#53

Toluene

Concen: 10.178 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

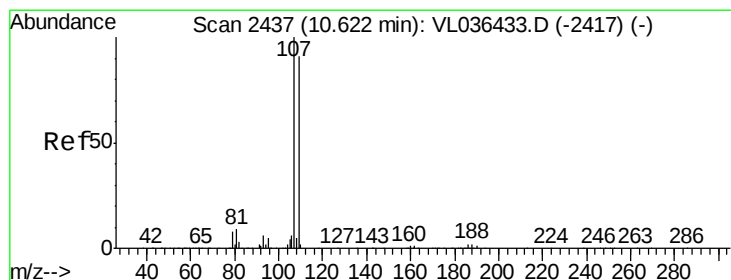
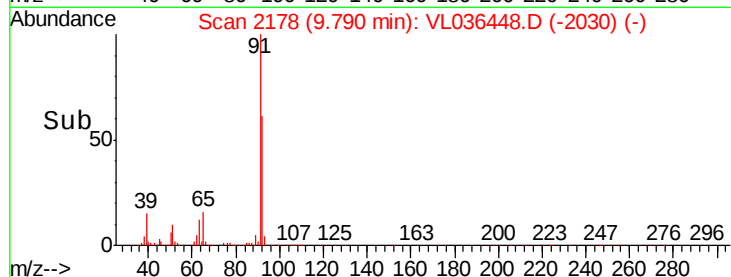
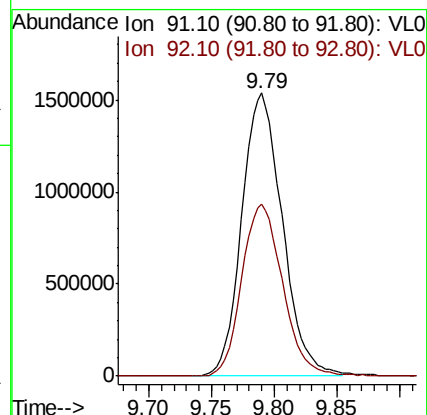
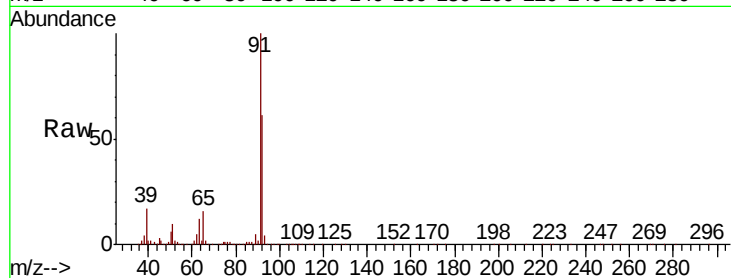
ClientSampleId :

Tot Ion: 91 Resp: 3458532

Ion Ratio Lower Upper

91 100

92 61.5 49.0 73.6



#54

1,2-Dibromoethane

Concen: 9.583 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL036448.D

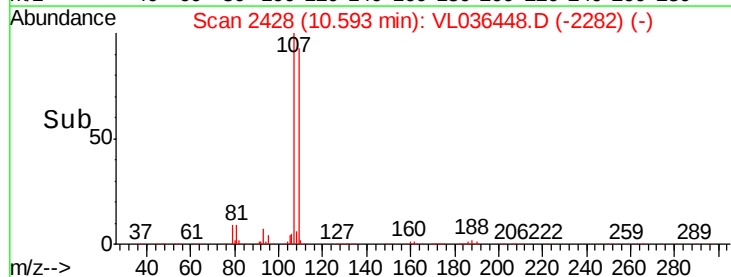
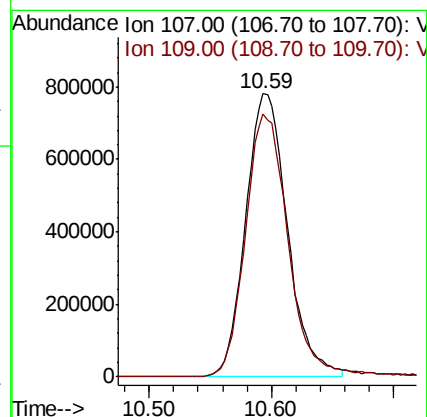
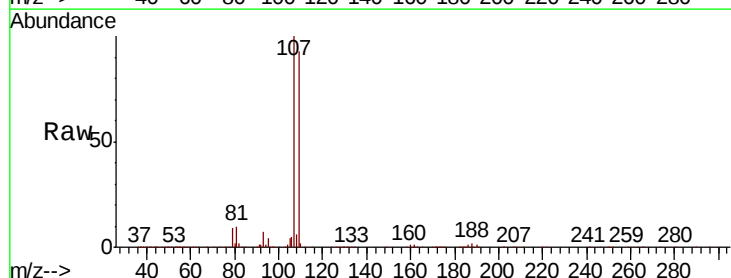
Acq: 19 Mar 2021 14:27

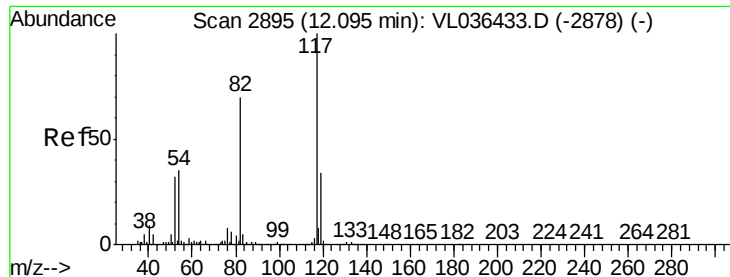
Tgt Ion: 107 Resp: 1850350

Ion Ratio Lower Upper

107 100

109 92.8 73.0 109.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

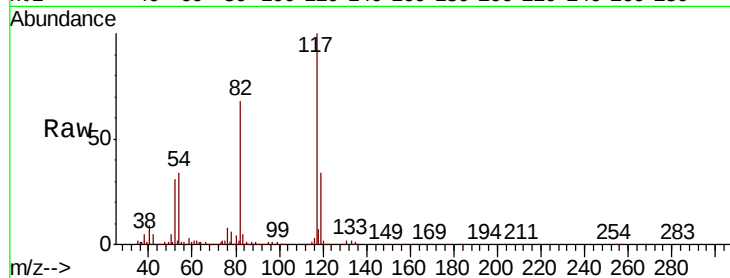
Tot Ion:117 Resp: 4699660

Ion Ratio Lower Upper

117 100

82 57.0 56.5 84.7

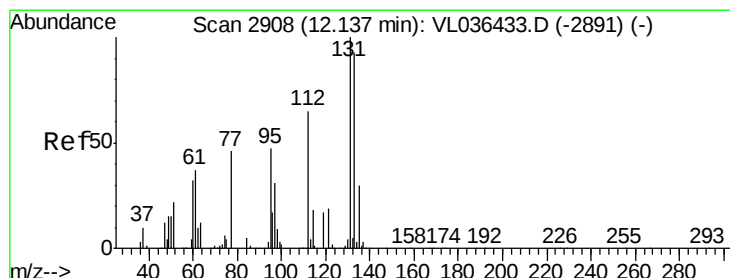
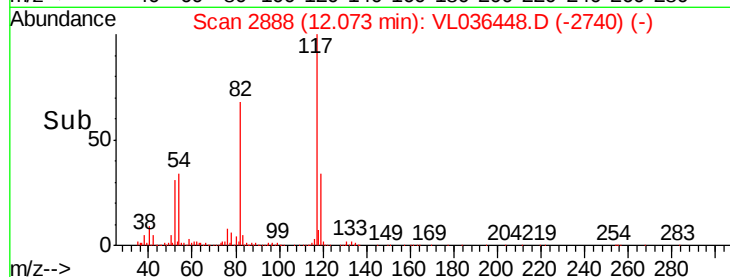
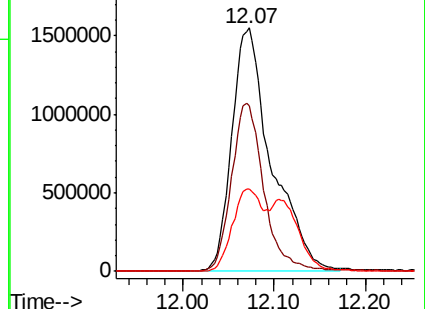
119 47.4 27.0 40.4#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.503 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

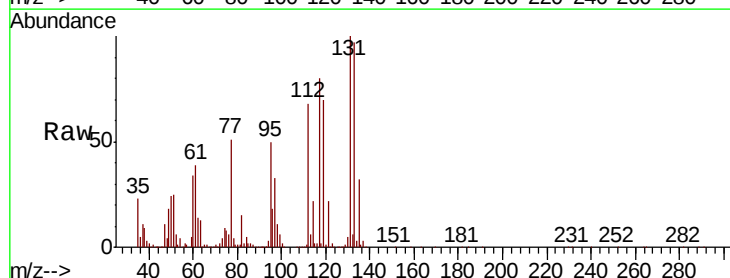
Tgt Ion:131 Resp: 1562701

Ion Ratio Lower Upper

131 100

133 96.3 76.4 114.6

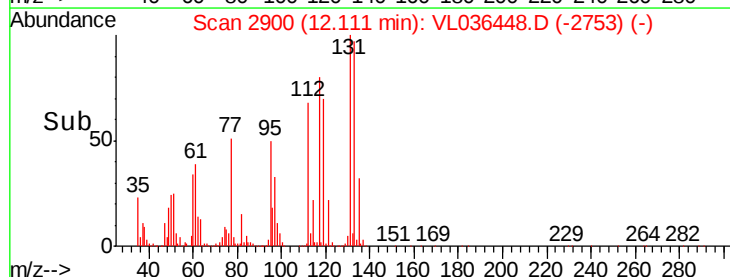
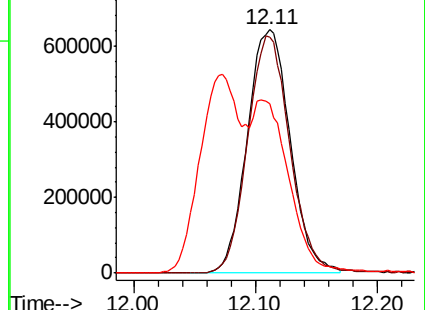
119 142.6 112.8 169.2

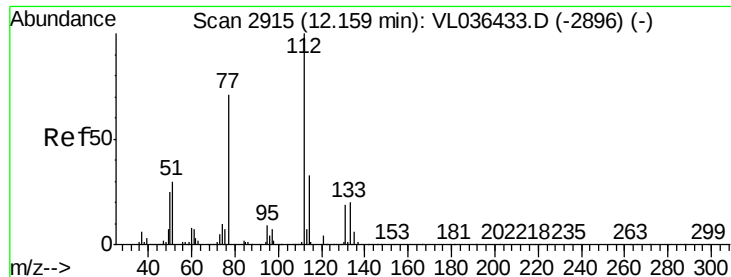


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.515 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampled :

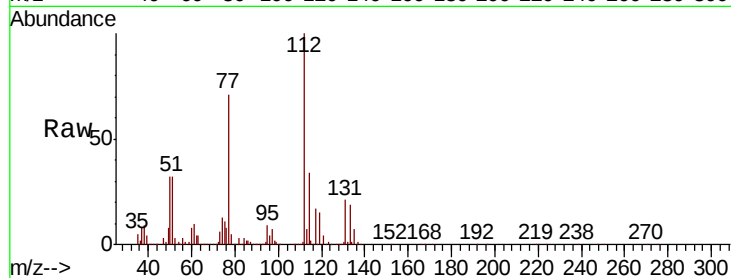
Tot Ion:112 Resp: 2550918

Ion Ratio Lower Upper

112 100

77 69.3 57.6 86.4

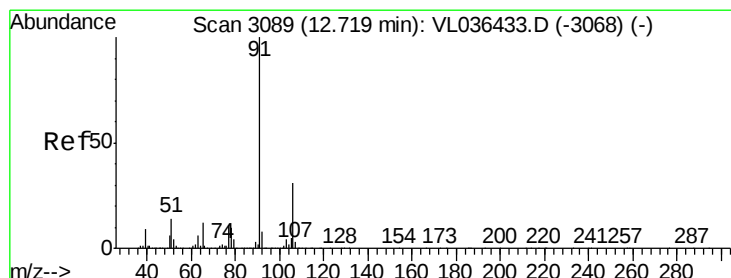
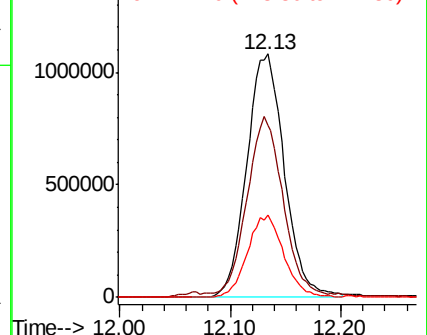
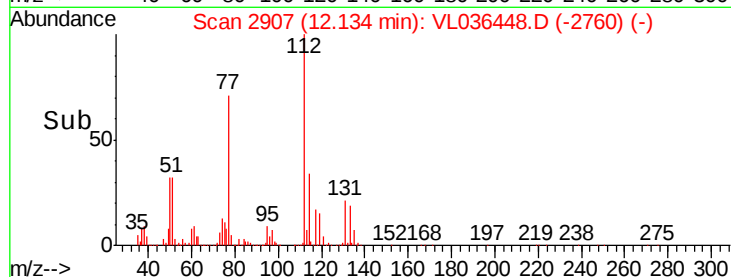
114 34.0 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.112 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.03 min

Lab File: VL036448.D

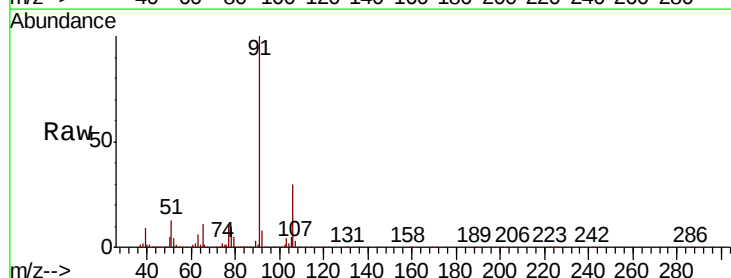
Acq: 19 Mar 2021 14:27

Tgt Ion: 91 Resp: 4737134

Ion Ratio Lower Upper

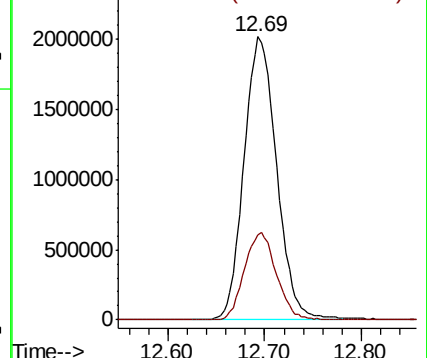
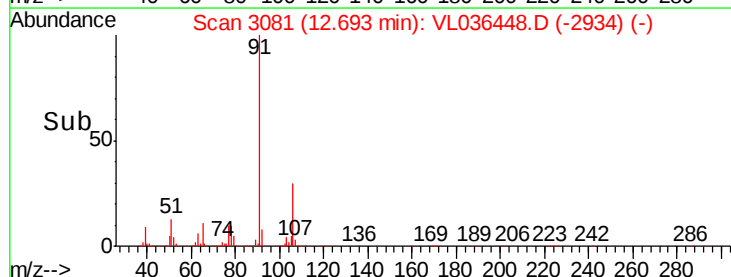
91 100

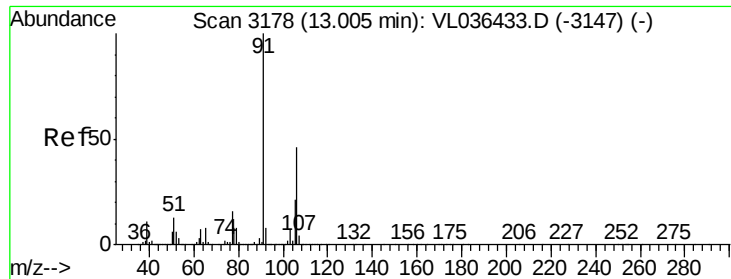
106 29.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

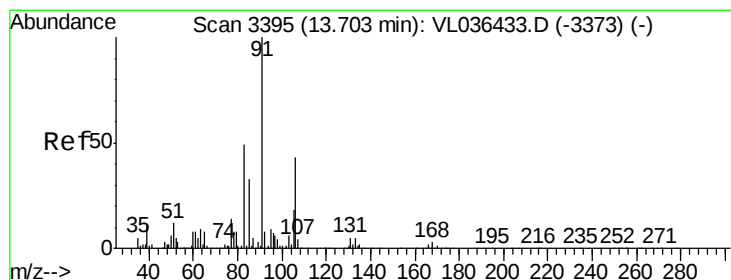
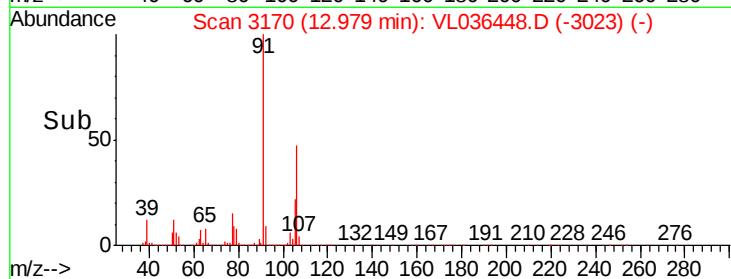
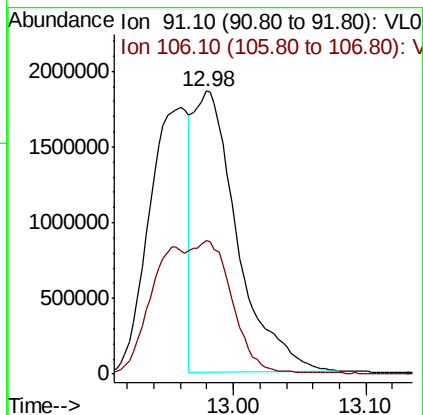
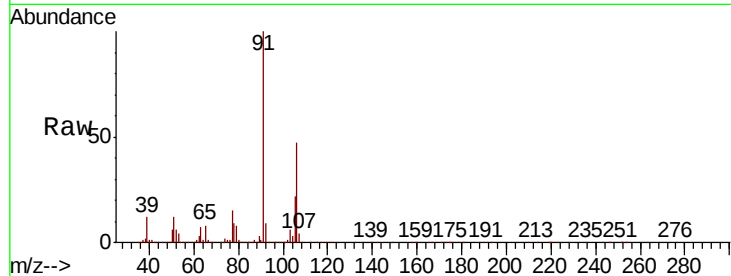




#59
m/p-Xylene
Concen: 8.236 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

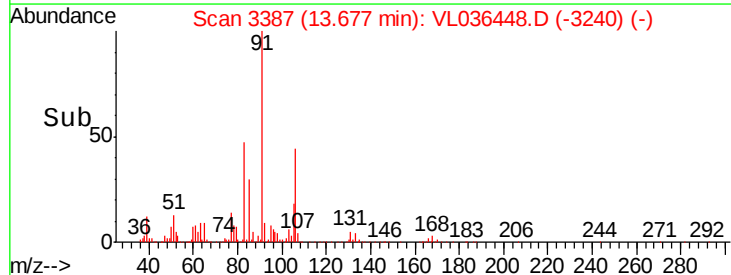
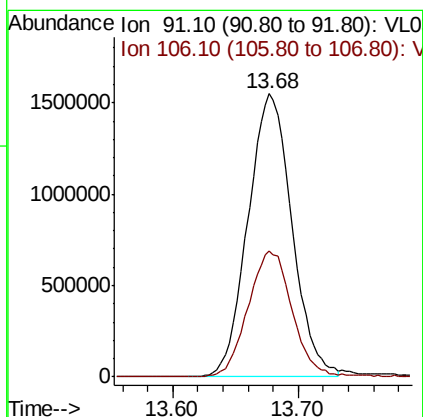
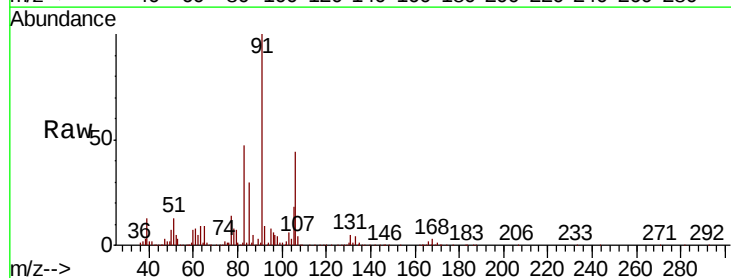
Instrument :
MSVOA_L
ClientSampled :

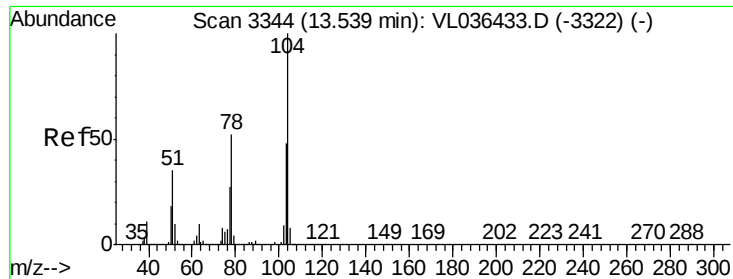
Tot Ion: 91 Resp: 4252456
Ion Ratio Lower Upper
91 100
106 83.2 35.0 52.4#



#60
o-Xylene
Concen: 7.592 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion: 91 Resp: 3765449
Ion Ratio Lower Upper
91 100
106 44.7 21.9 65.8





#61

Stvrene

Concen: 8.903 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

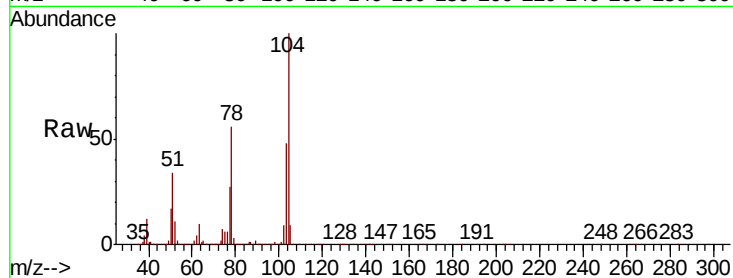
Tot Ion:104 Resp: 2685358

Ion Ratio Lower Upper

104 100

78 56.2 44.2 66.4

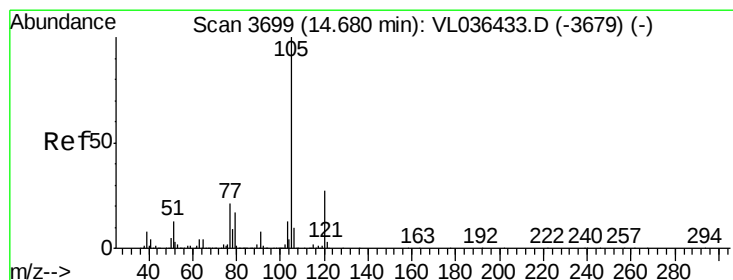
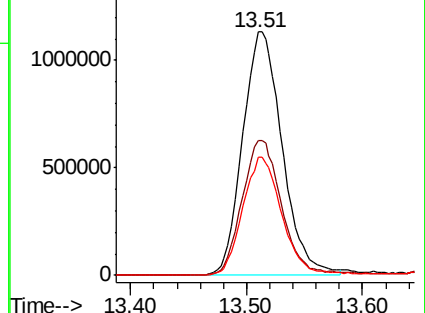
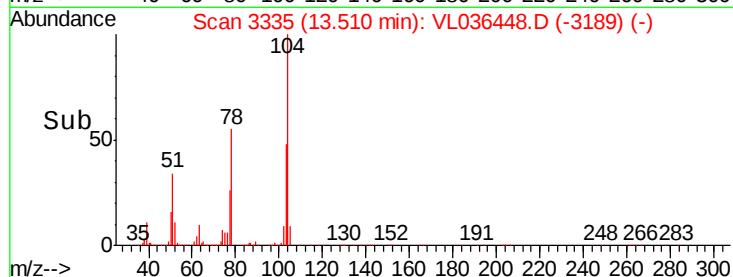
103 48.4 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.597 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL036448.D

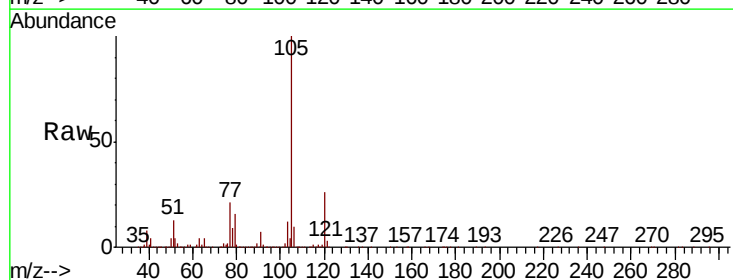
Acq: 19 Mar 2021 14:27

Tgt Ion:105 Resp: 5681362

Ion Ratio Lower Upper

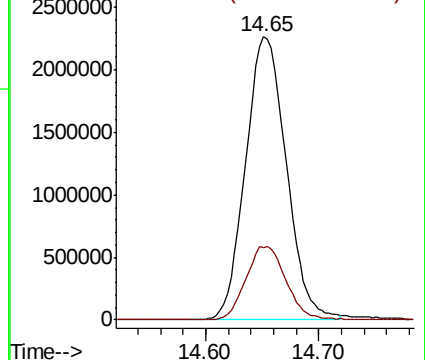
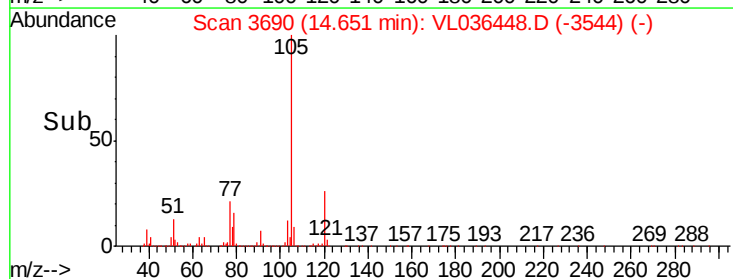
105 100

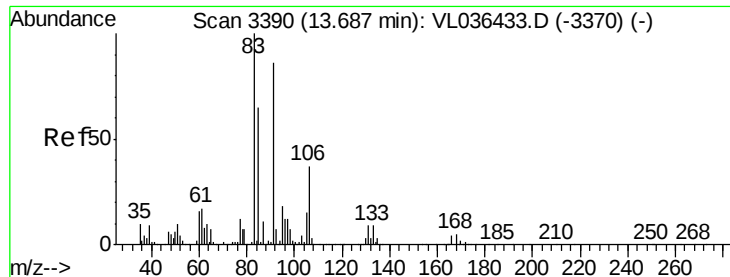
120 25.9 20.9 31.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.996 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

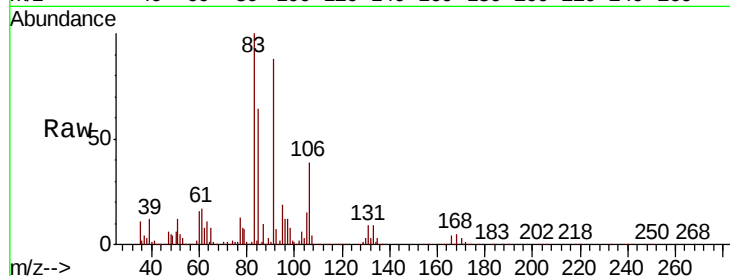
Tot Ion: 83 Resp: 2712785

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.7
85	65.8	32.9	98.6

83 100

131 9.2 4.5 13.7

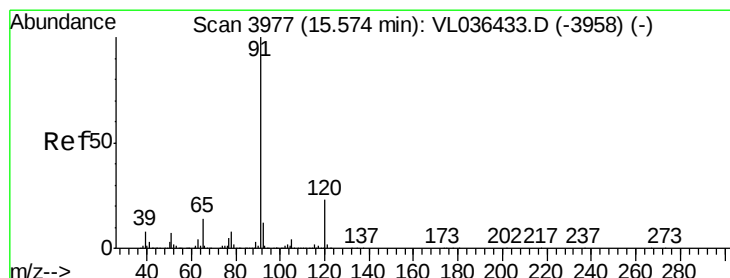
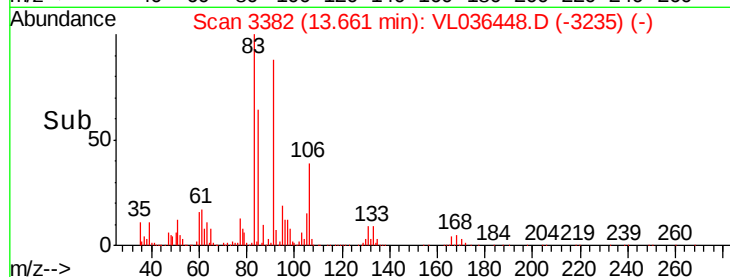
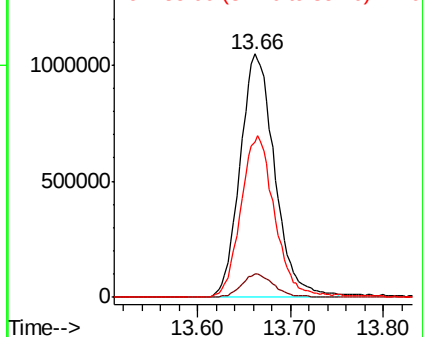
85 65.8 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.935 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.03 min

Lab File: VL036448.D

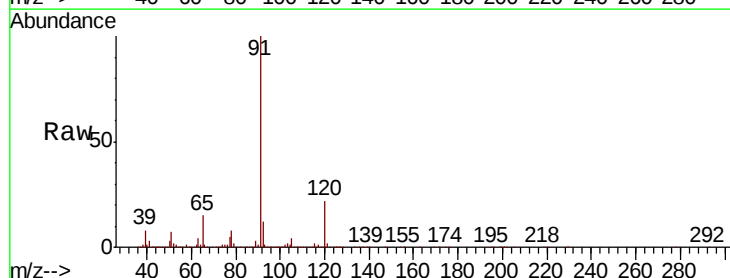
Acq: 19 Mar 2021 14:27

Tgt Ion:120 Resp: 1482339

Ion	Ratio	Lower	Upper
120	100		
91	478.0	378.6	567.8

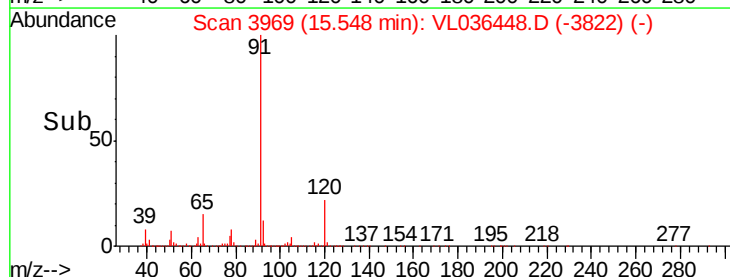
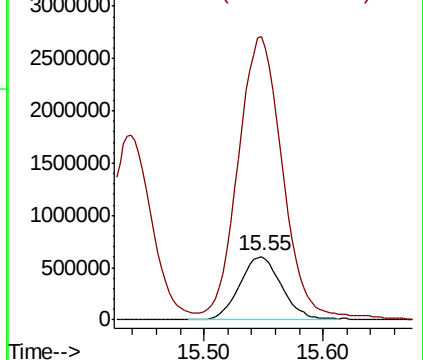
120 100

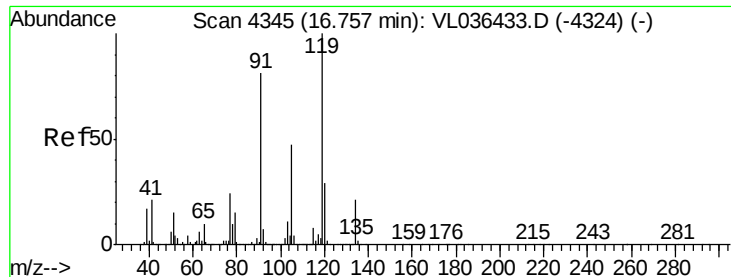
91 478.0 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.527 ppbv

RT: 16.73 min Scan# 4337

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

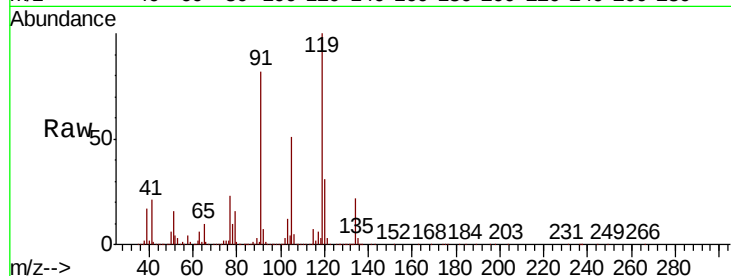
Tot Ion:119 Resp: 4897002

Ion Ratio Lower Upper

119 100

91 84.7 67.9 101.9

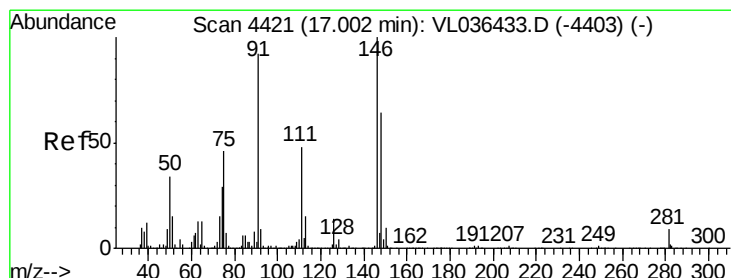
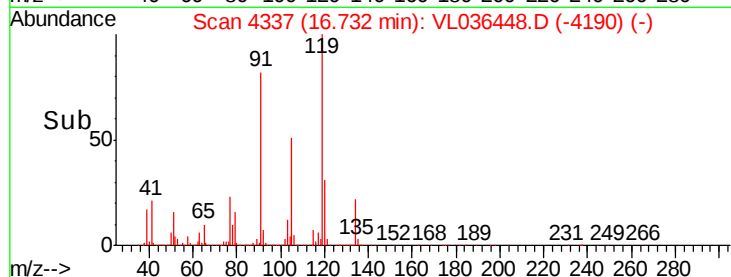
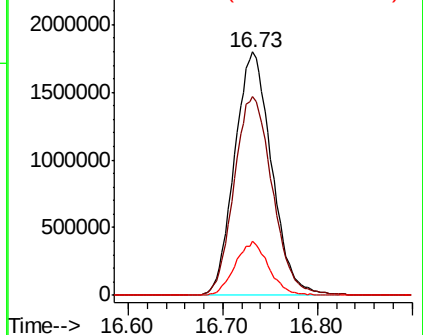
134 20.1 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.675 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

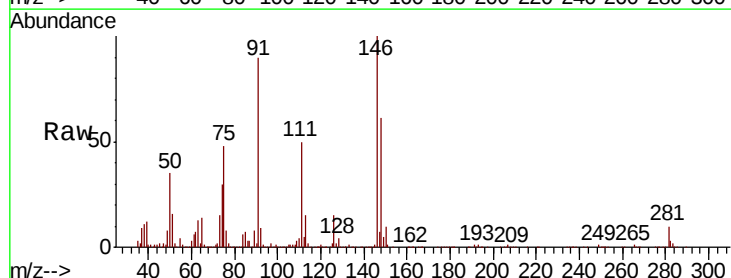
Tgt Ion: 91 Resp: 1757457

Ion Ratio Lower Upper

91 100

126 16.5 12.9 19.3

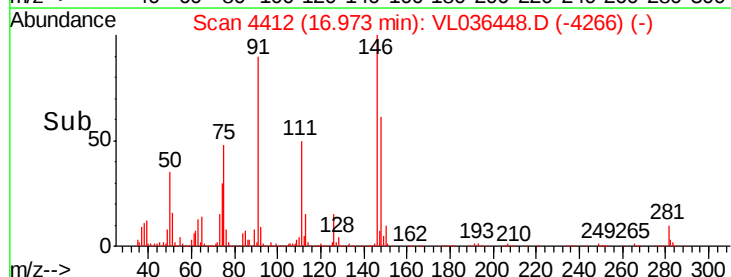
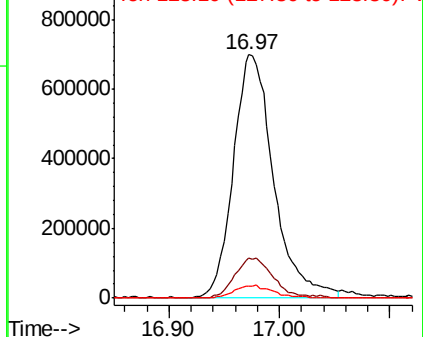
128 5.2 4.0 6.0

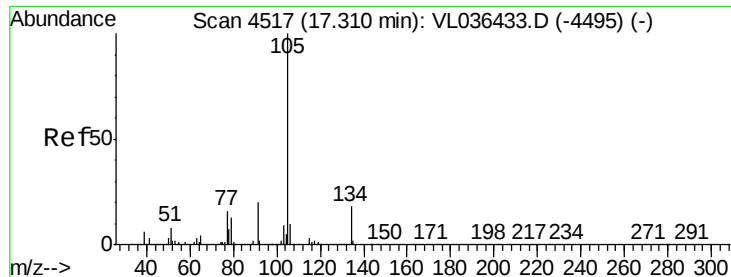


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.621 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

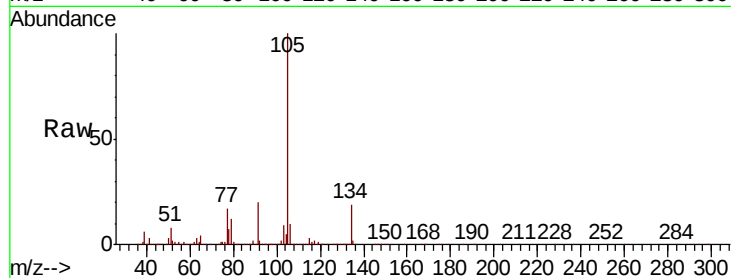
ClientSampled :

Tot Ion:105 Resp: 6924397

Ion Ratio Lower Upper

105 100

134 18.3 14.9 22.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

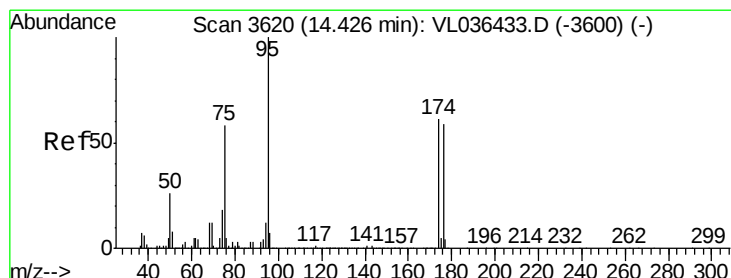
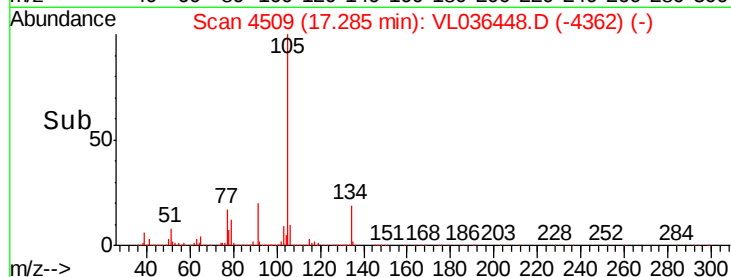
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.202 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

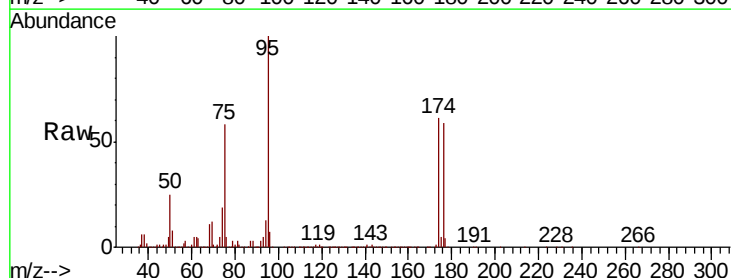
Tgt Ion: 95 Resp: 3169968

Ion Ratio Lower Upper

95 100

174 64.6 51.0 76.4

175 5.1 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

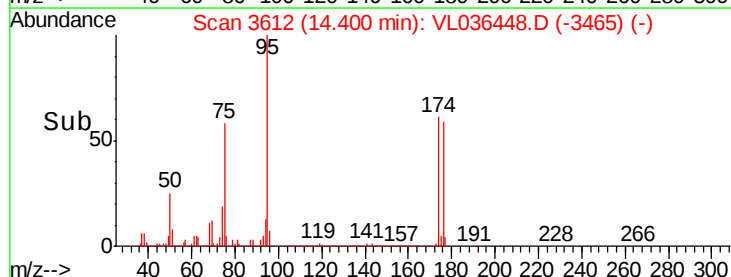
1000000

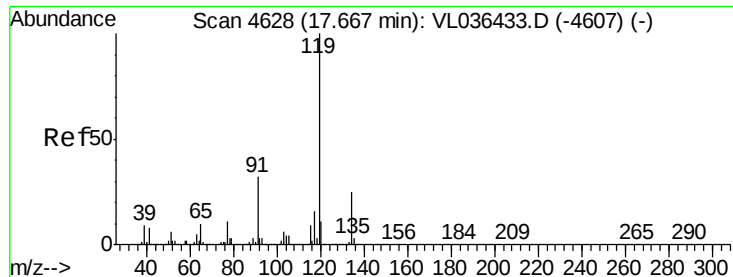
500000

0

14.30 14.40

Time-->

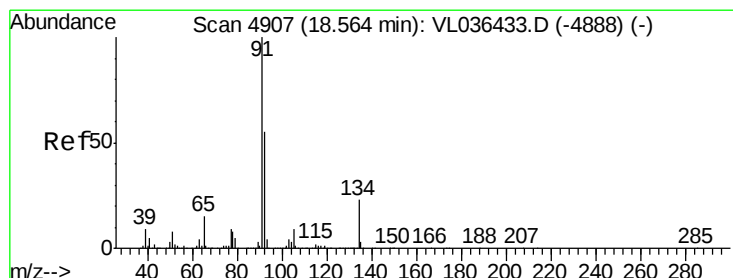
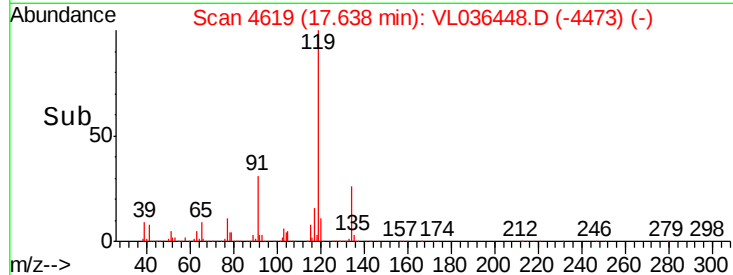
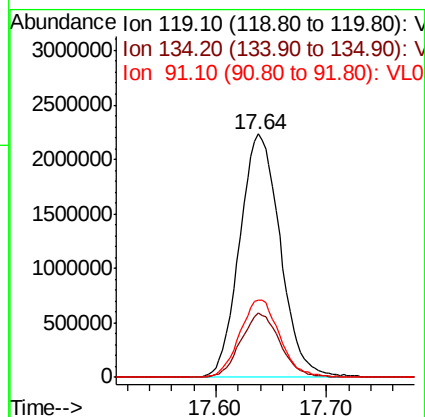
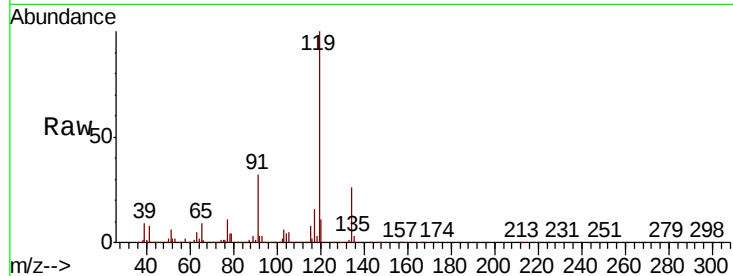




#69
 p-Isopropyltoluene
 Concen: 7.819 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

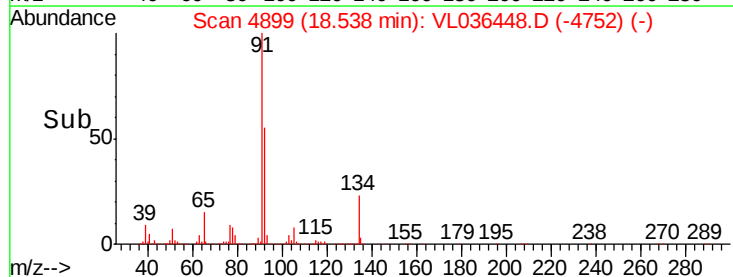
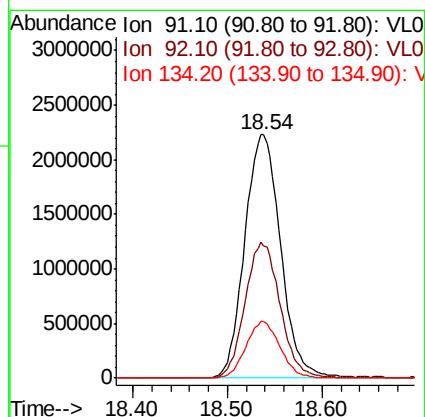
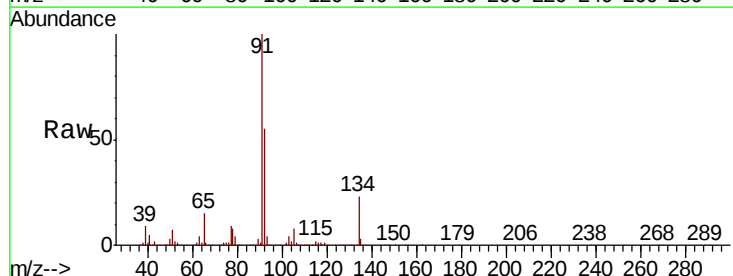
Instrument :
 MSVOA_L
 ClientSampled :

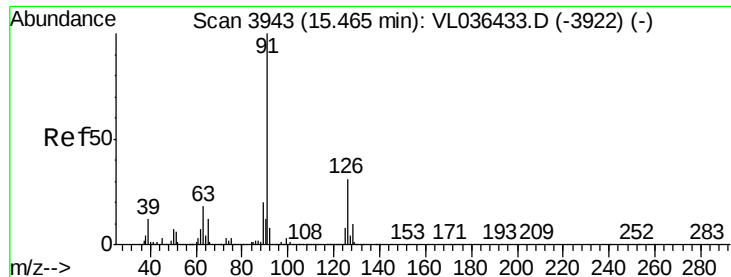
Tot Ion:119 Resp: 5684366
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 31.5 25.3 37.9



#70
 n-Butylbenzene
 Concen: 7.805 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion: 91 Resp: 5865434
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.1 66.1
 134 22.4 17.9 26.9

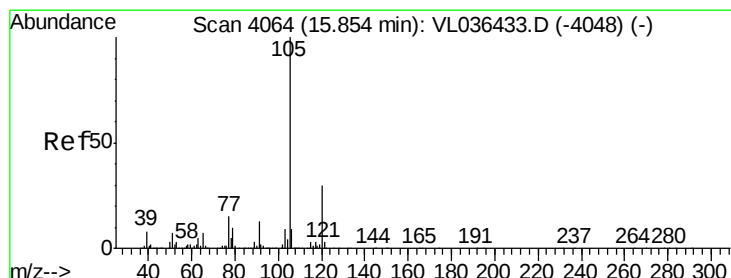
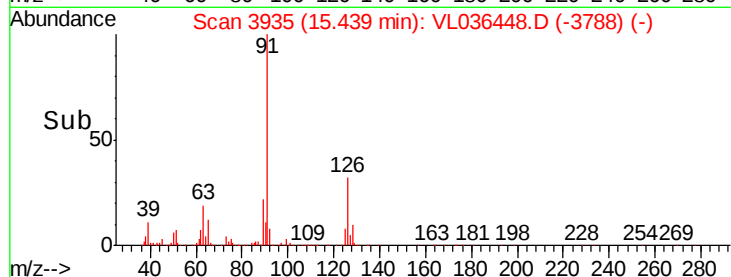
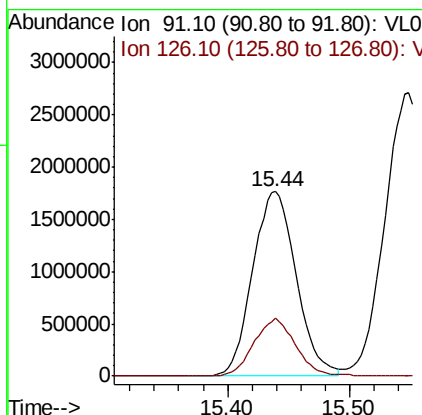
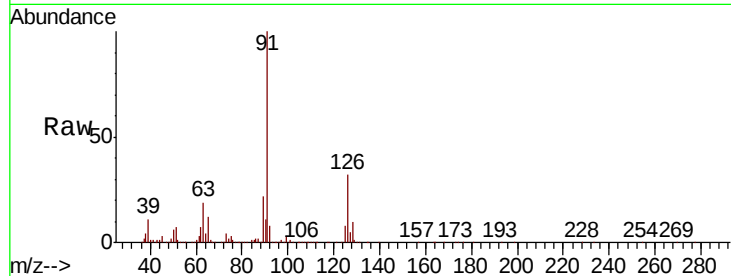




#71
 2-Chlorotoluene
 Concen: 7.768 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

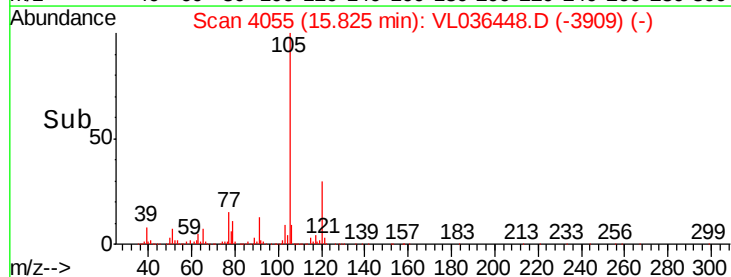
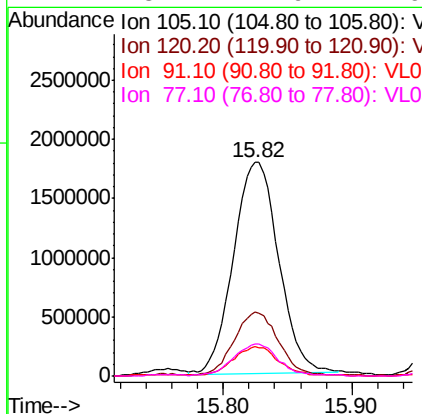
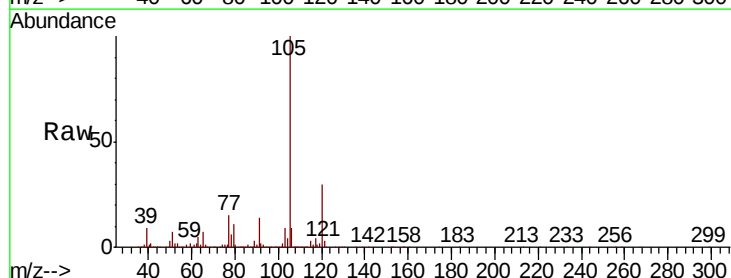
Instrument :
 MSVOA_L
 ClientSampleId :

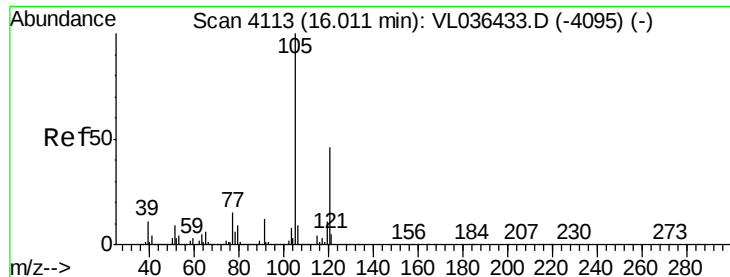
Tot Ion: 91 Resp: 4369969
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 8.102 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.03 min
 Lab File: VL036448.D
 Acq: 19 Mar 2021 14:27

Tgt Ion:105 Resp: 4364684
 Ion Ratio Lower Upper
 105 100
 120 30.1 23.8 35.6
 91 13.7 10.9 16.3
 77 15.2 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 8.001 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

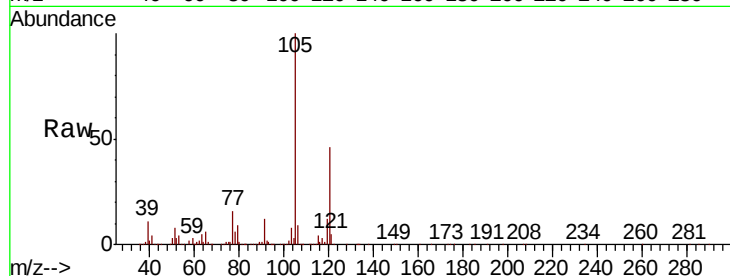
ClientSampleId :

Tot Ion:105 Resp: 4181684

Ion Ratio Lower Upper

105 100

120 46.2 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

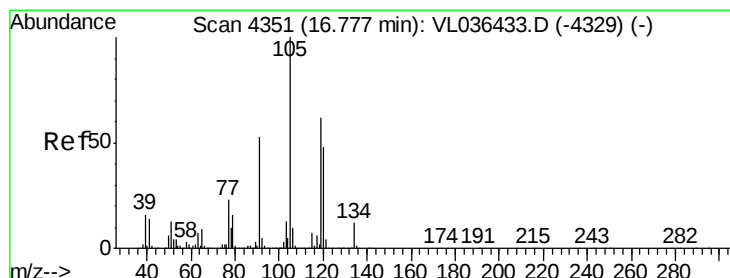
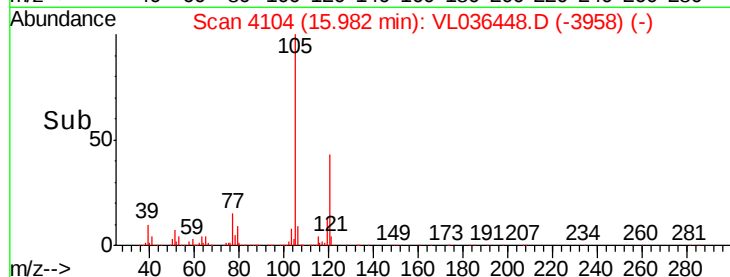
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.565 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Tgt Ion:105 Resp: 4198125

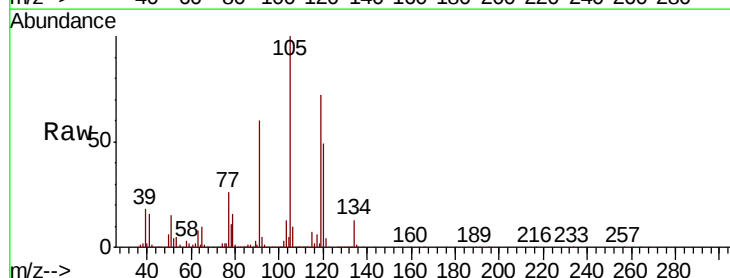
Ion Ratio Lower Upper

105 100

120 49.0 38.2 57.4

91 59.7 42.6 63.8

77 25.6 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

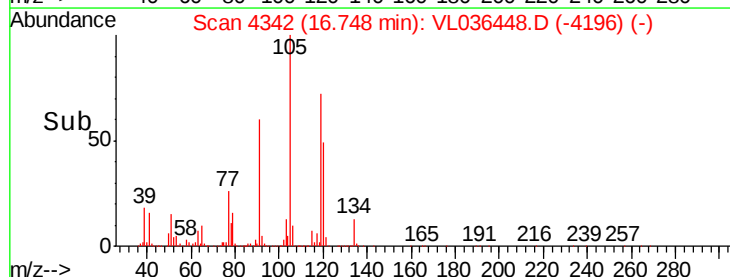
1500000

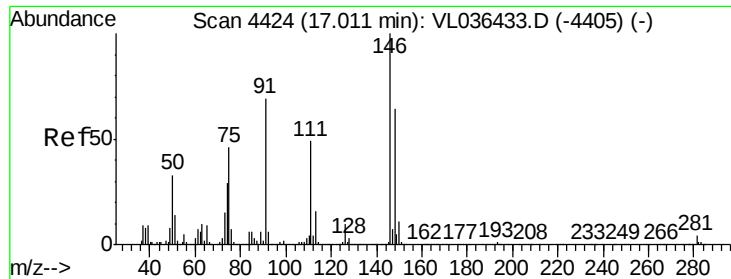
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.605 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

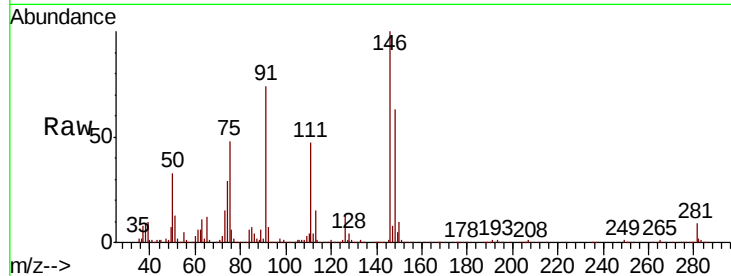
Tot Ion:146 Resp: 2343499

Ion Ratio Lower Upper

146 100

111 48.7 24.5 73.5

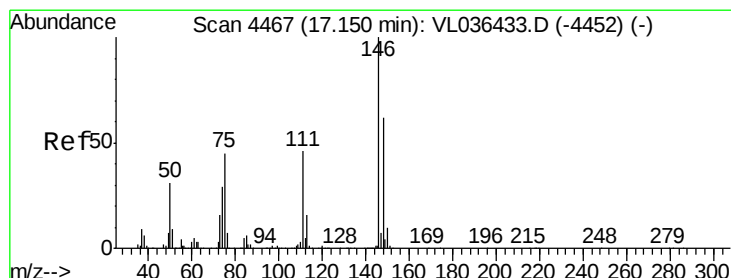
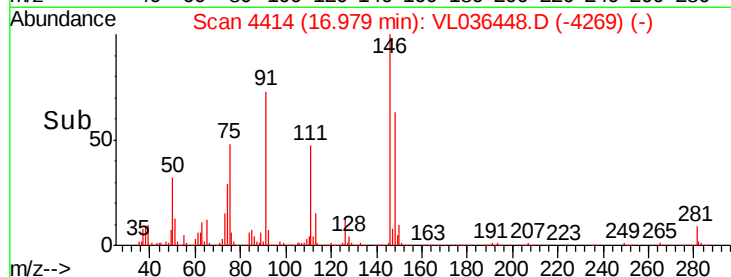
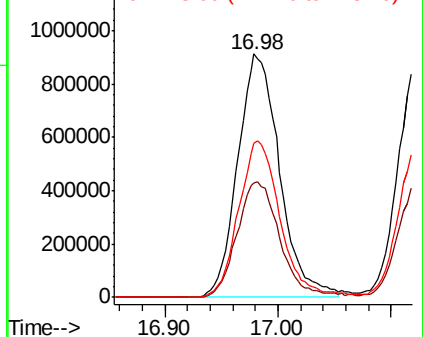
148 63.9 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.443 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

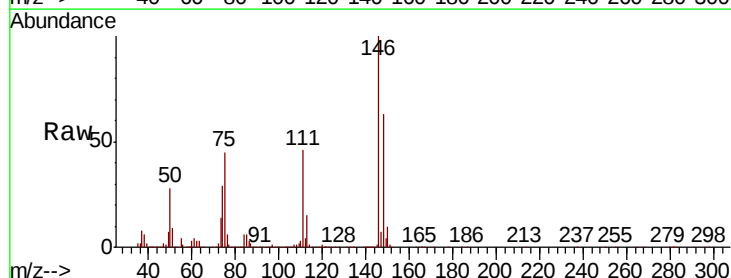
Tgt Ion:146 Resp: 2291943

Ion Ratio Lower Upper

146 100

111 48.9 24.5 73.5

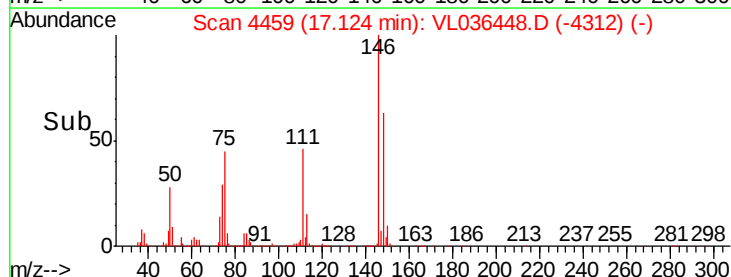
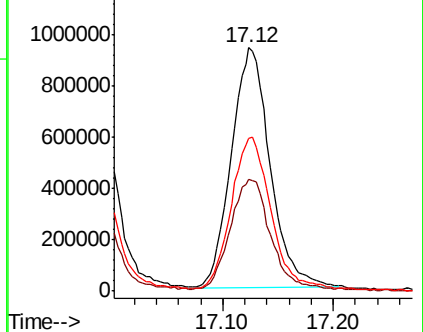
148 66.4 33.1 99.2

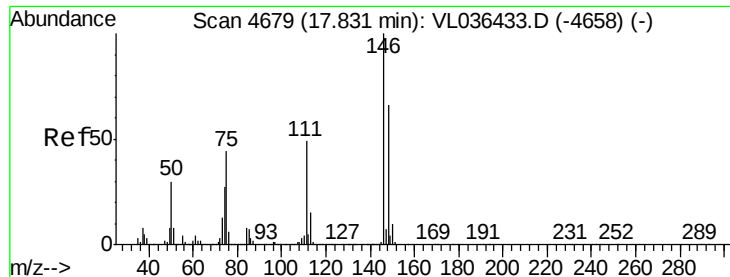


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.473 ppbv

RT: 17.80 min Scan# 4679

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

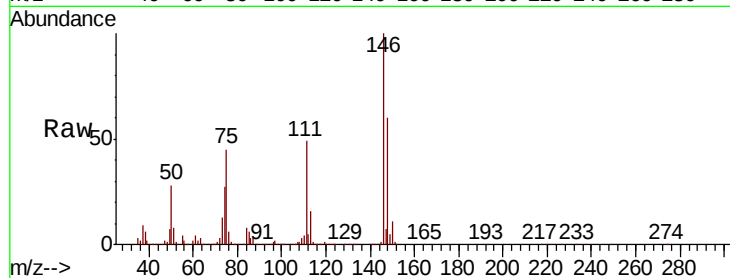
Tot Ion:146 Resp: 2254880

Ion Ratio Lower Upper

146 100

111 51.2 25.4 76.2

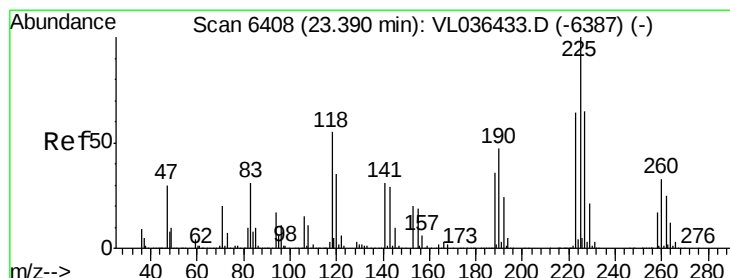
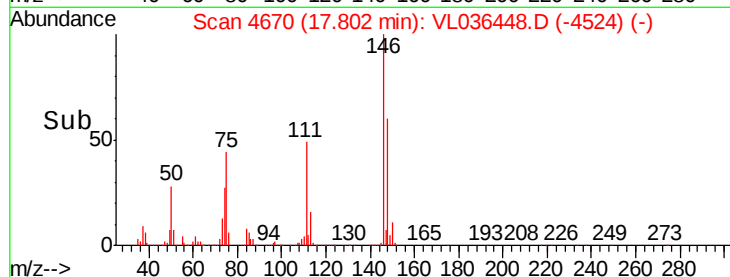
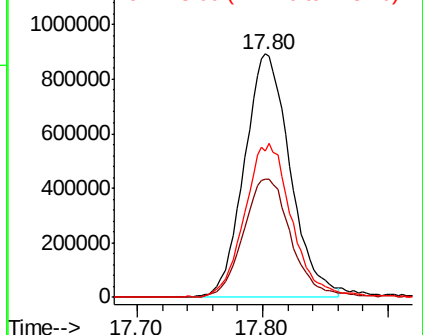
148 64.9 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.841 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.03 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

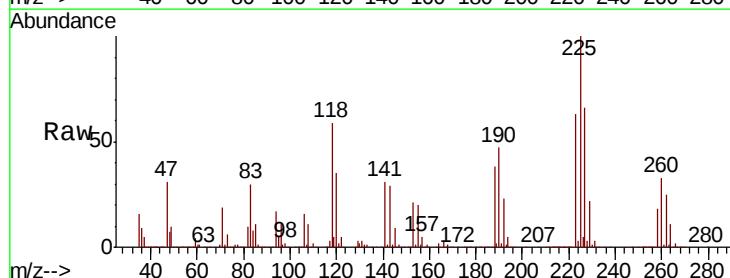
Tgt Ion:225 Resp: 1642569

Ion Ratio Lower Upper

225 100

223 63.5 51.8 77.8

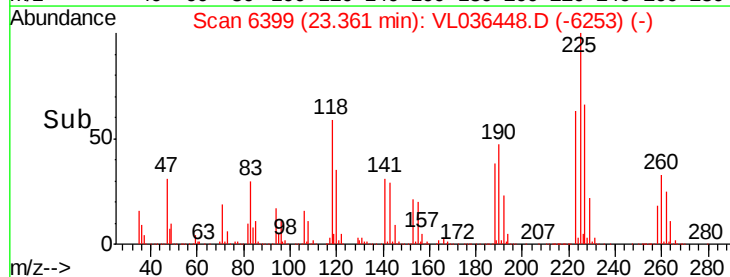
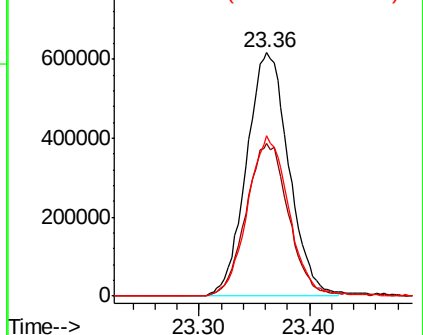
227 64.9 53.0 79.6

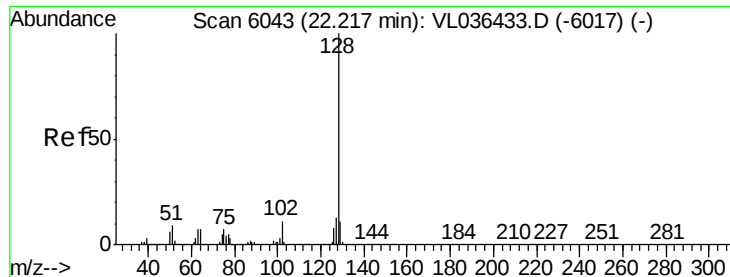


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

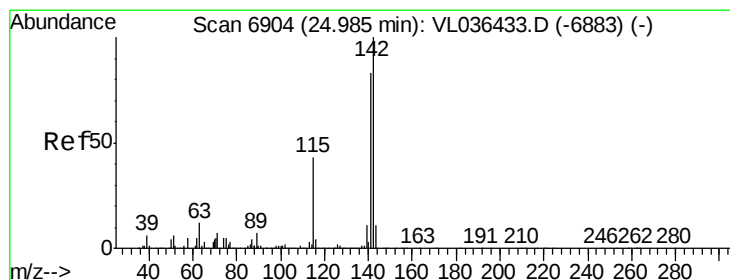
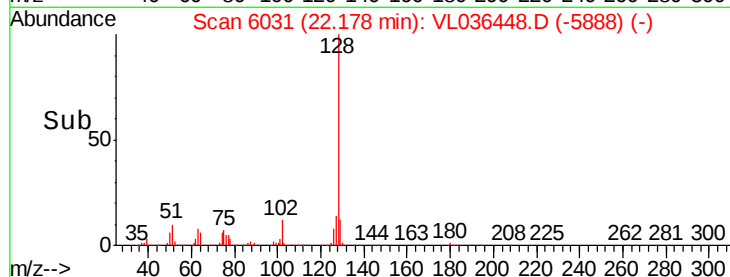
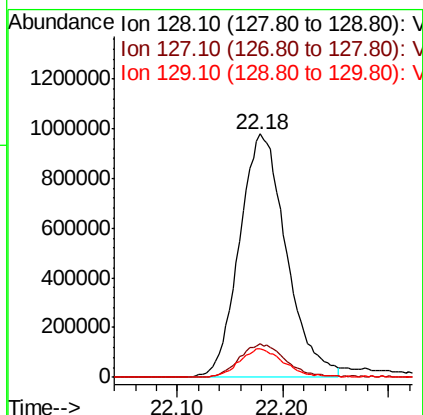
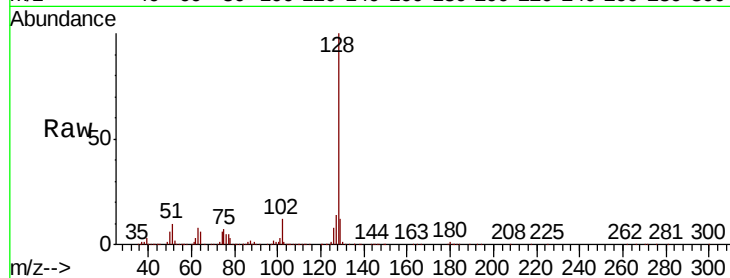




#79
Naphthalene
Concen: 9.253 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.04 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

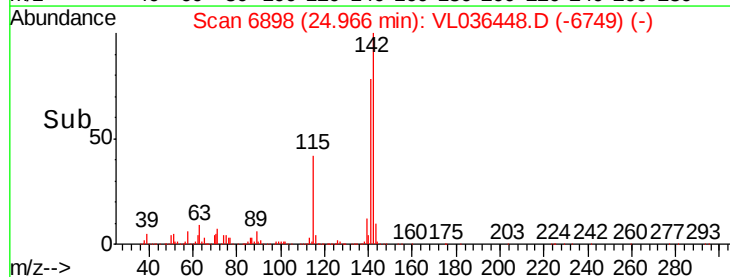
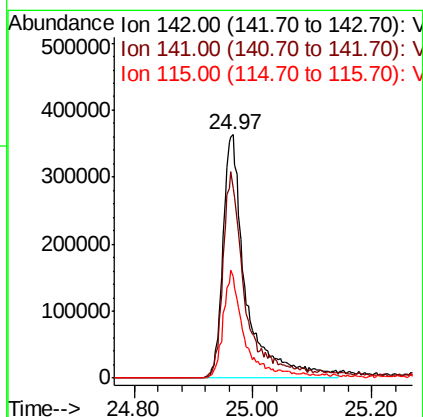
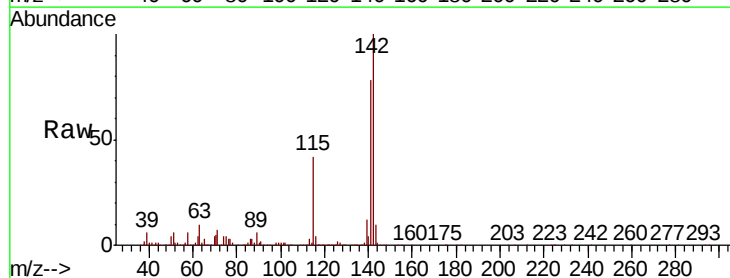
Instrument :
MSVOA_L
ClientSampleId :

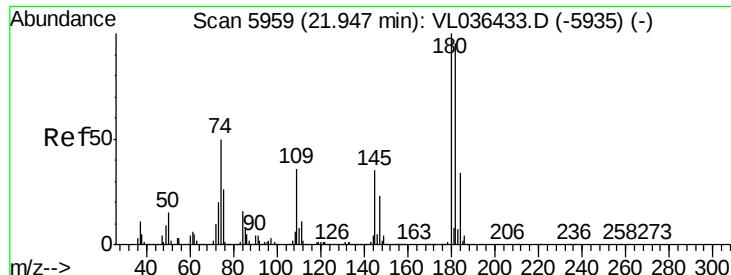
Tot Ion:128 Resp: 3007677
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 11.6 9.1 13.7



#80
Naphthalene, 2-methyl-
Concen: 13.918 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL036448.D
Acq: 19 Mar 2021 14:27

Tgt Ion:142 Resp: 978168
Ion Ratio Lower Upper
142 100
141 86.3 69.0 103.6
115 41.2 32.4 48.6





#81

1,2,4-Trichlorobenzene

Concen: 8.583 ppbv

RT: 21.91 min Scan# 5948

Delta R.T. -0.04 min

Lab File: VL036448.D

Acq: 19 Mar 2021 14:27

Instrument :

MSVOA_L

ClientSampleId :

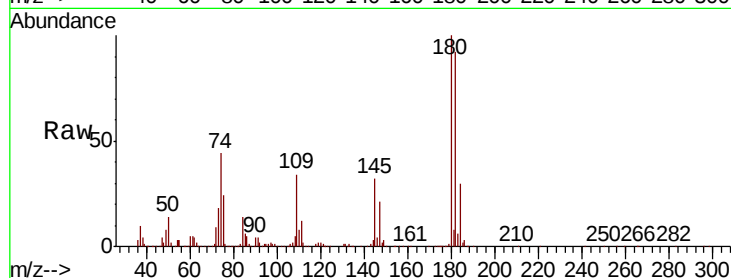
Tot Ion:180 Resp: 1603614

Ion Ratio Lower Upper

180 100

182 100.9 81.8 122.6

184 32.6 26.6 40.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

