

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036643.D
 Acq On : 2 Apr 2021 13:34
 Operator : SY/AP
 Sample : VL0402ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:55:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1361123	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3562678	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4015622	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2643645	8.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1772924	7.986	ppbv	94
3) Chlorodifluoromethane	2.98	51	2200777	8.654	ppbv	100
4) Chloromethane	3.13	50	771473	8.589	ppbv	99
5) Vinyl Chloride	3.25	62	733327	7.940	ppbv	98
6) Bromomethane	3.46	94	423119	8.321	ppbv	93
7) Chloroethane	3.55	64	278454	8.774	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	1840232	8.685	ppbv	94
9) Propene	3.00	41	761397	9.392	ppbv	96
10) Heptane	8.11	43	1962073	9.500	ppbv	99
11) Trichlorofluoromethane	3.94	101	1911818	8.450	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1291718	8.930	ppbv	97
13) Ethanol	3.60	45	30437	3.153	ppbv #	34
14) Bromoethene	3.73	108	550477	9.154	ppbv	99
15) Acetone	3.84	43	1594985	11.906	ppbv #	87
16) 1,3-Butadiene	3.32	39	871154	9.340	ppbv	95
17) tert-Butyl alcohol	4.29	59	1257271	10.781	ppbv	98
18) 1,1-Dichloroethene	4.28	96	577746	8.979	ppbv	96
19) Isopropyl Alcohol	4.01	45	39226	0.532	ppbv #	89
20) Methylene Chloride	4.33	84	493288	7.864	ppbv	92
21) Allyl Chloride	4.40	41	1011001	9.467	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	580541	9.732	ppbv	89
23) Vinyl Acetate	5.06	43	2783721	12.148	ppbv #	96
24) 1,1-Dichloroethane	5.00	63	1485925	8.896	ppbv	99
25) Ethyl Acetate	5.67	43	3019453	9.480	ppbv	99
26) Hexane	5.67	57	1450761	9.816	ppbv	97
27) Carbon Disulfide	4.54	76	1451099	9.966	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1753148	10.058	ppbv	100
29) Chloroform	5.74	83	2058116	8.707	ppbv	99
30) Cyclohexane	7.12	84	1162539	9.698	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1367990	9.569	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2152161	9.034	ppbv	99
34) 2-Butanone	5.24	43	1407370	8.093	ppbv	97
35) Carbon Tetrachloride	7.00	117	2257279	8.249	ppbv	97
36) Benzene	6.88	78	2811080	8.555	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1602107	8.284	ppbv	100
38) Trichloroethene	7.82	130	1049097	8.204	ppbv	93
39) 1,2-Dichloropropane	7.60	63	1102154	8.269	ppbv	98
40) 1,4-Dioxane	7.83	88	221496	7.140	ppbv #	1
41) Tetrahydrofuran	6.04	42	706042	8.805	ppbv	97
42) Bromodichloromethane	7.78	83	2249260	8.551	ppbv	97
43) Methyl Methacrylate	8.00	69	1024837	9.289	ppbv	97

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Quant Time: Apr 03 02:55:44 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5729849	9.908	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1232883	9.786	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1487530	9.237	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1100969	8.155	ppbv	96
48) Dibromochloromethane	10.29	129	1921424	9.336	ppbv	100
49) Bromoform	13.03	173	1592376	9.603	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2267495	9.011	ppbv	99
51) 2-Hexanone	10.12	43	1252043	9.860	ppbv #	99
52) Tetrachloroethene	11.21	164	1048550	8.666	ppbv	97
53) Toluene	9.79	91	3167626	9.053	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1601303	8.399	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.11	131	1303084	7.174	ppbv #	56
57) Chlorobenzene	12.13	112	2286878	6.693	ppbv	96
58) Ethyl Benzene	12.70	91	4200060	7.189	ppbv	100
59) m/p-Xylene	12.99	91	3974360	7.799	ppbv #	48
60) o-Xylene	13.68	91	3254810	6.606	ppbv	100
61) Styrene	13.52	104	1981771	7.995	ppbv	99
62) Isopropylbenzene	14.66	105	4540879	6.844	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2138433	5.690	ppbv	99
64) n-propylbenzene	15.55	120	1197927	7.385	ppbv	91
65) tert-Butylbenzene	16.73	119	3951655	6.868	ppbv	98
66) Benzyl Chloride	16.98	91	574712	9.037	ppbv #	96
67) sec-Butylbenzene	17.28	105	5413286	6.666	ppbv	99
69) p-Isopropyltoluene	17.64	119	4653050	7.337	ppbv	98
70) n-Butylbenzene	18.54	91	4520564	6.875	ppbv	99
71) 2-Chlorotoluene	15.44	91	3320793	6.679	ppbv	98
72) 4-Ethyltoluene	15.83	105	3795533	7.030	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	3490328	6.927	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	3543824	6.572	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2087406	6.877	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	2001379	6.641	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1943245	6.811	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1824036	7.139	ppbv	99
79) Naphthalene	22.19	128	3004751	9.549	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	483973	7.800	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1674644	8.620	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampled :

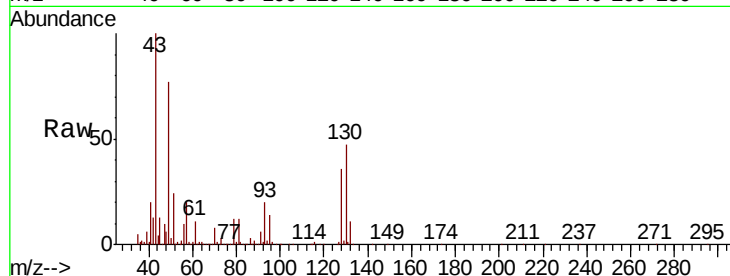
Tot Ion: 49 Resp: 1361123

Ion Ratio Lower Upper

49 100

128 49.7 23.5 70.6

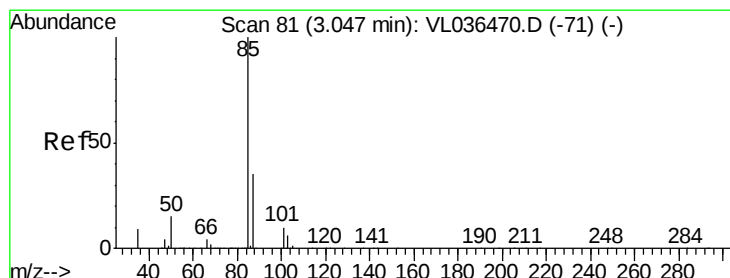
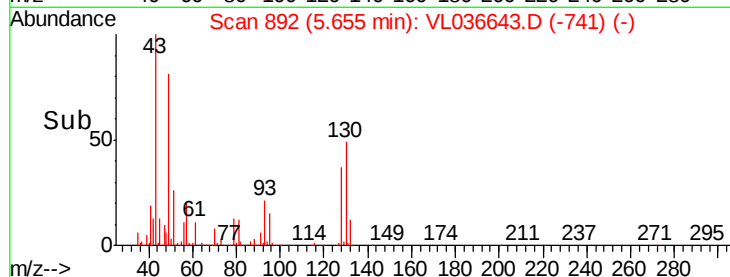
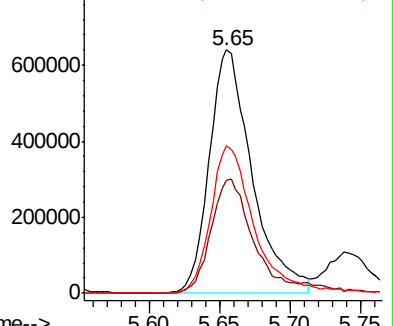
130 62.5 29.1 87.4



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: 7.986 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036643.D

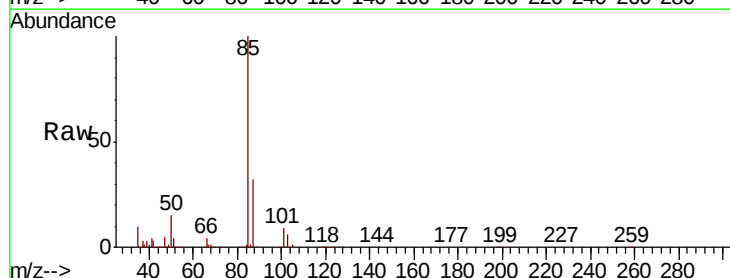
Acq: 2 Apr 2021 13:34

Tgt Ion: 85 Resp: 1772924

Ion Ratio Lower Upper

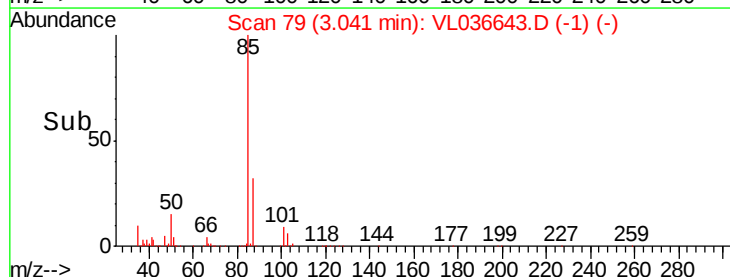
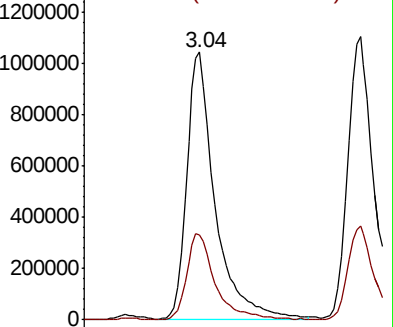
85 100

87 31.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.654 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

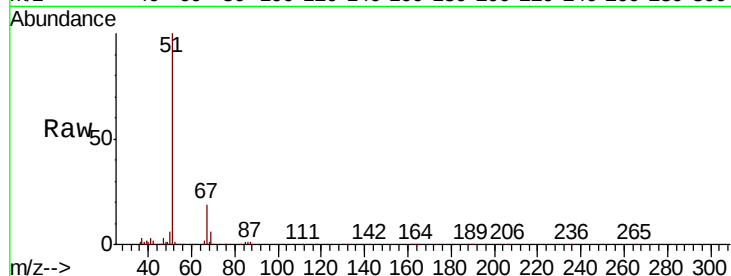
ClientSampleId :

Tot Ion: 51 Resp: 2200777

Ion Ratio Lower Upper

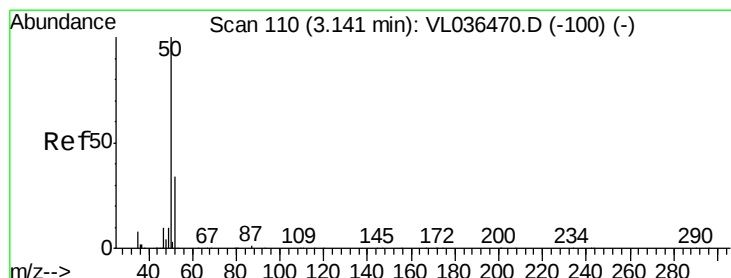
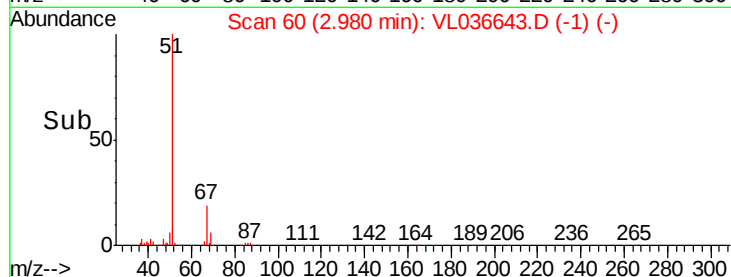
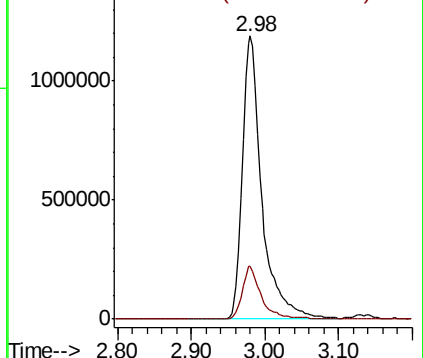
51 100

67 18.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.589 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036643.D

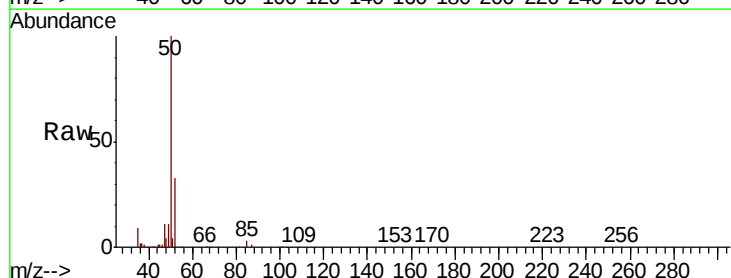
Acq: 2 Apr 2021 13:34

Tgt Ion: 50 Resp: 771473

Ion Ratio Lower Upper

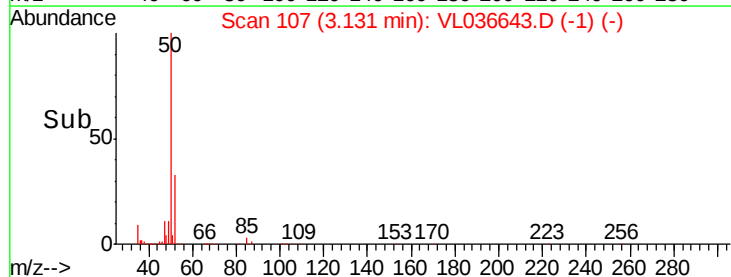
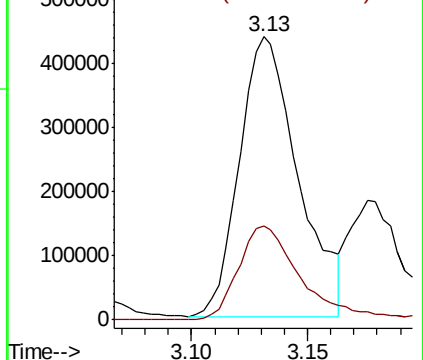
50 100

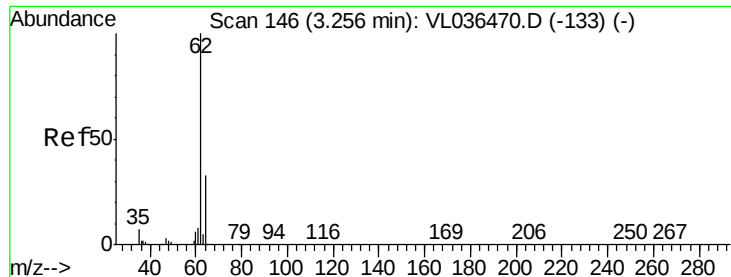
52 33.3 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.940 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

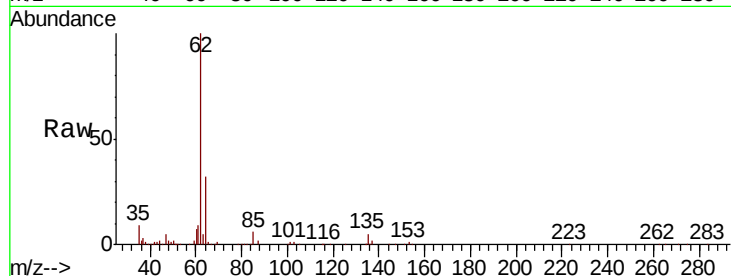
ClientSampleId :

Tot Ion: 62 Resp: 733327

Ion Ratio Lower Upper

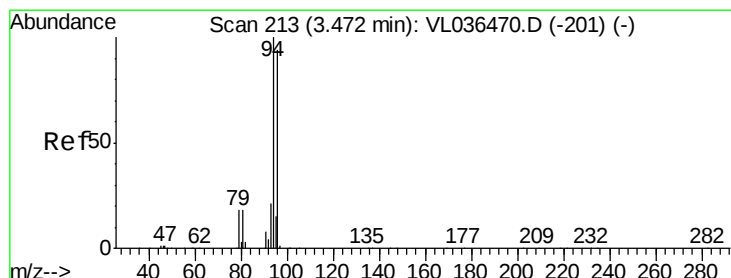
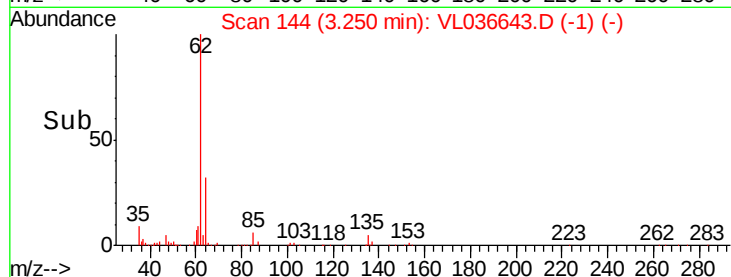
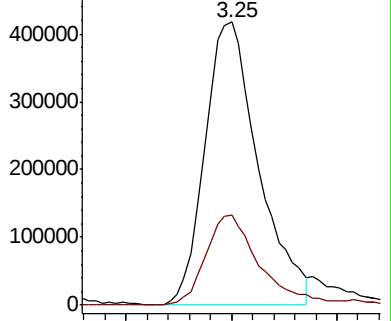
62 100

64 32.1 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.321 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036643.D

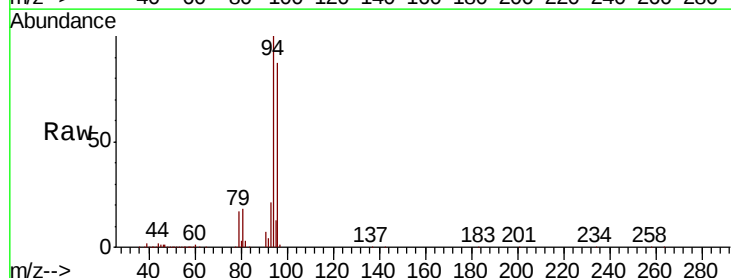
Acq: 2 Apr 2021 13:34

Tgt Ion: 94 Resp: 423119

Ion Ratio Lower Upper

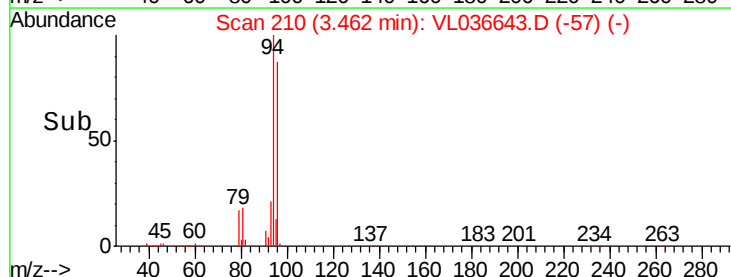
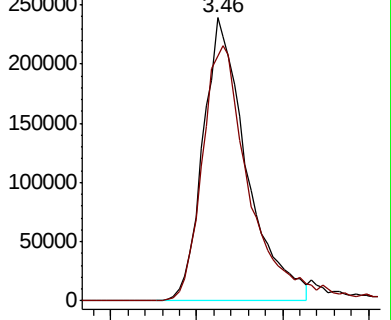
94 100

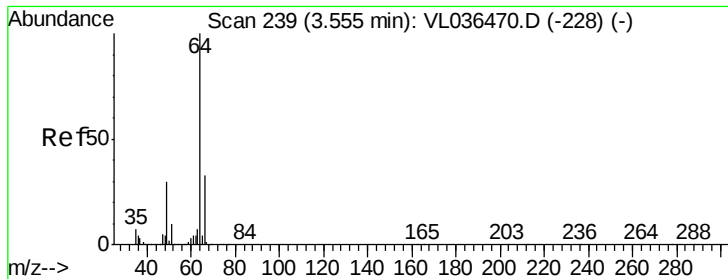
96 86.8 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.774 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

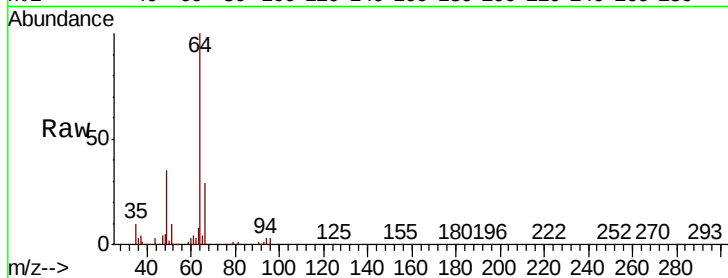
ClientSampleId :

Tot Ion: 64 Resp: 278454

Ion Ratio Lower Upper

64 100

66 29.2 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

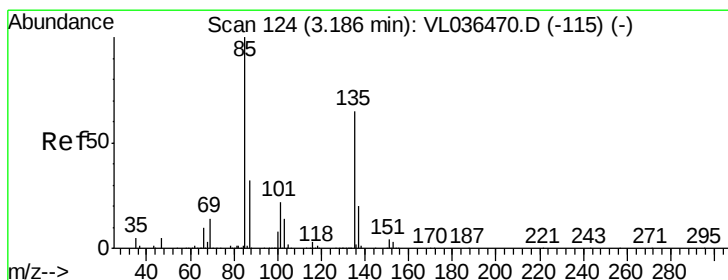
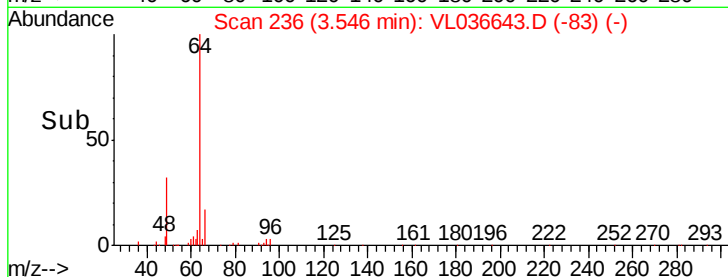
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.685 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036643.D

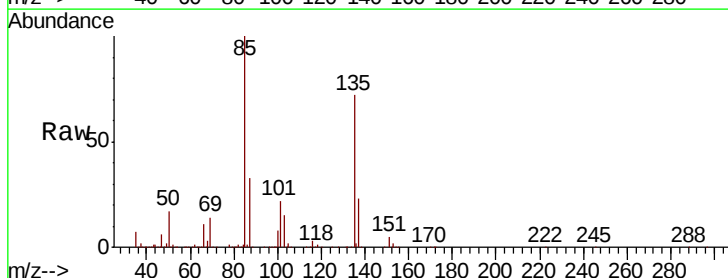
Acq: 2 Apr 2021 13:34

Tgt Ion: 85 Resp: 1840232

Ion Ratio Lower Upper

85 100

135 72.8 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

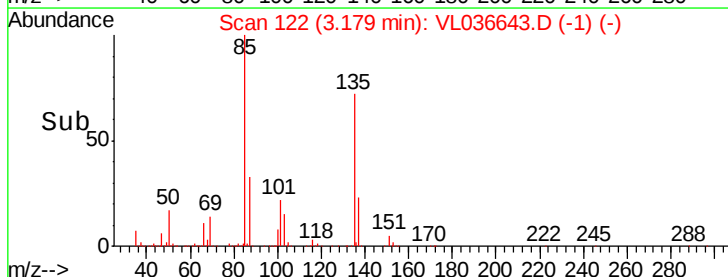
600000

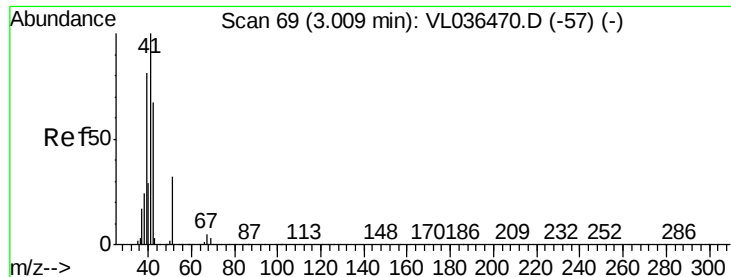
400000

200000

0

Time-->





#9

Propene

Concen: 9.392 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

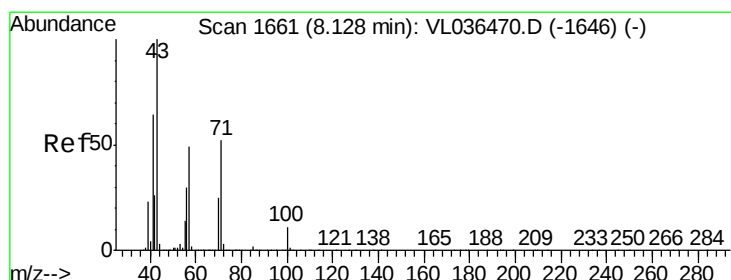
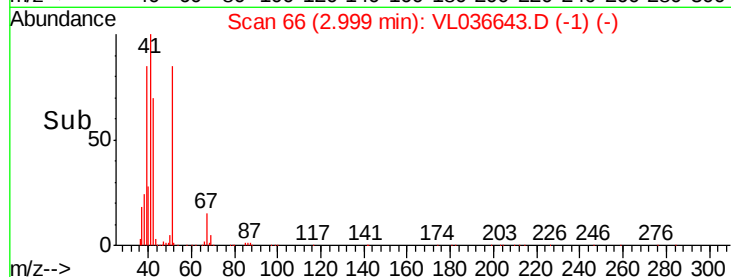
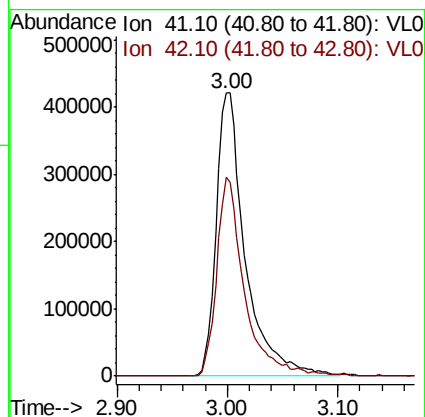
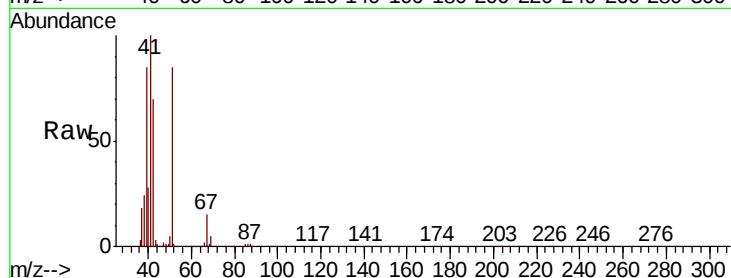
ClientSampleId :

Tot Ion: 41 Resp: 761397

Ion Ratio Lower Upper

41 100

42 67.7 57.0 85.4



#10

Heptane

Concen: 9.500 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036643.D

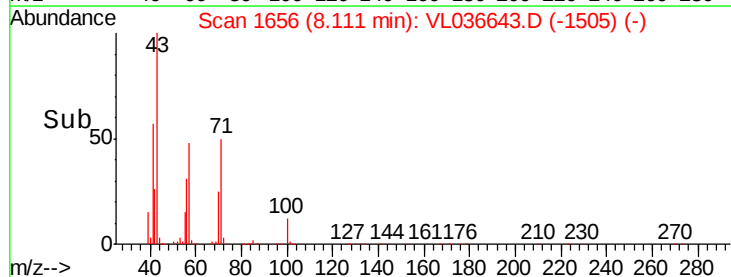
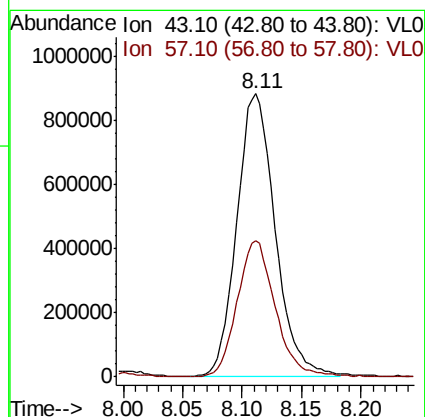
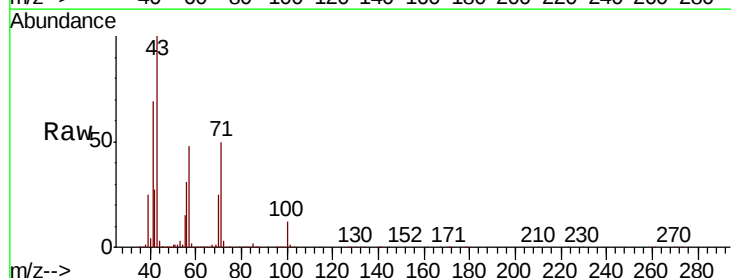
Acq: 2 Apr 2021 13:34

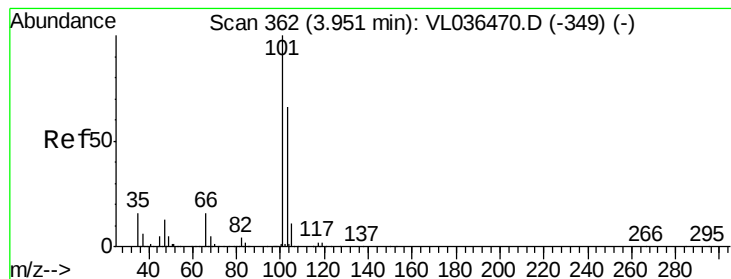
Tgt Ion: 43 Resp: 1962073

Ion Ratio Lower Upper

43 100

57 48.1 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.450 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

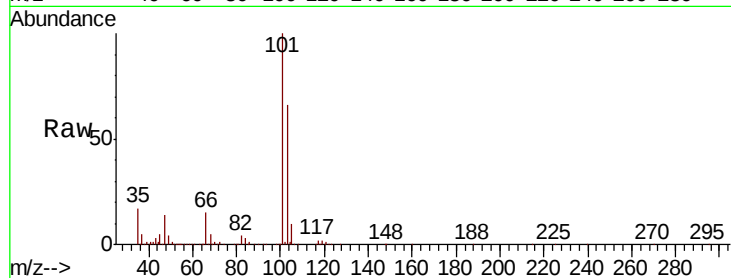
ClientSampleId :

Tot Ion:101 Resp: 1911818

Ion Ratio Lower Upper

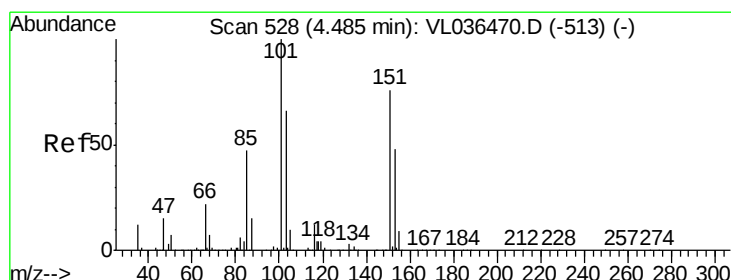
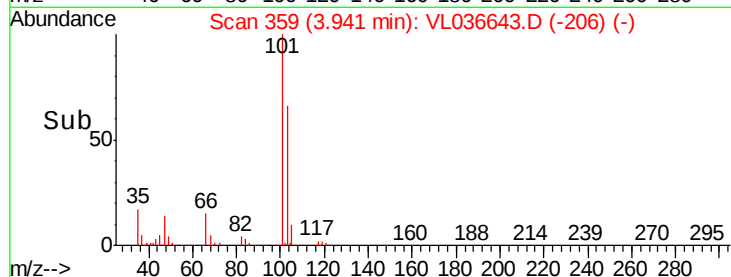
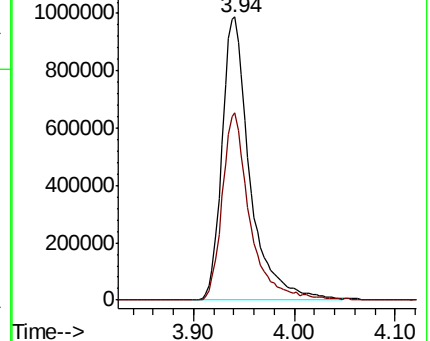
101 100

103 66.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.930 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL036643.D

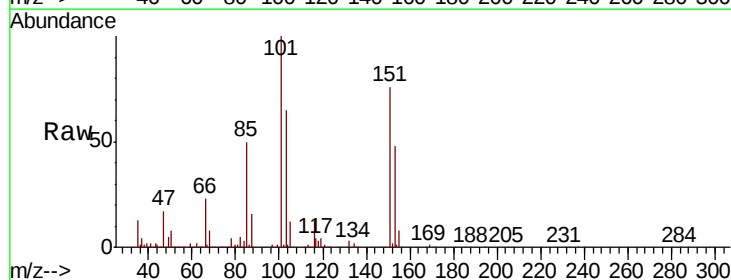
Acq: 2 Apr 2021 13:34

Tgt Ion:101 Resp: 1291718

Ion Ratio Lower Upper

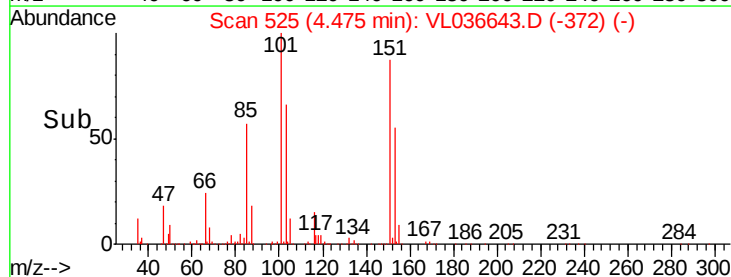
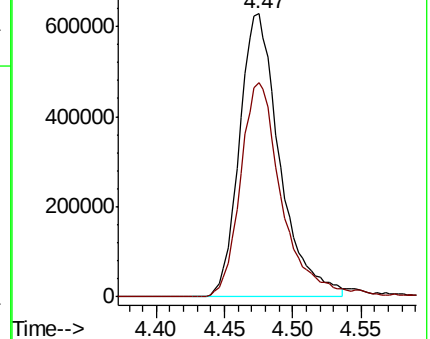
101 100

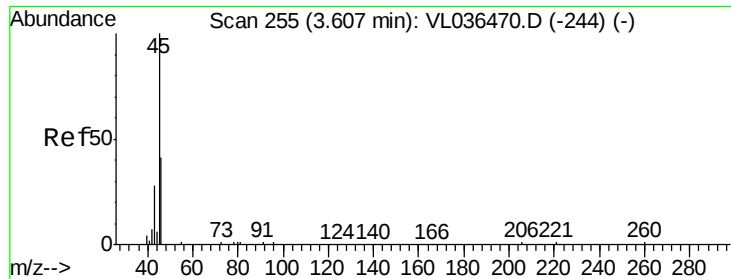
151 78.5 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

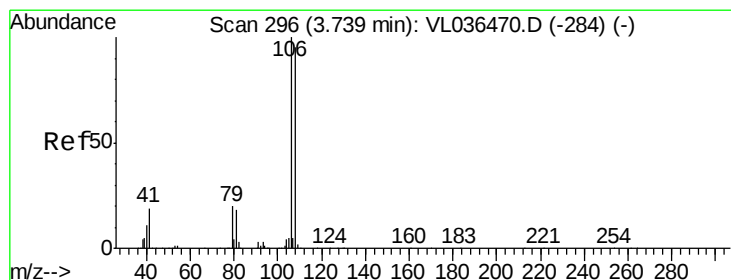
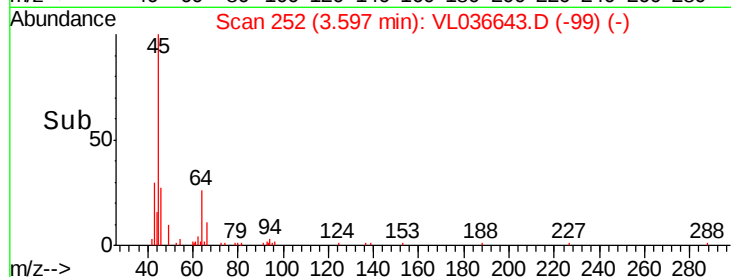
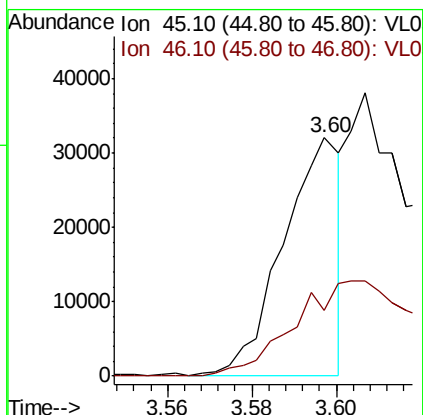
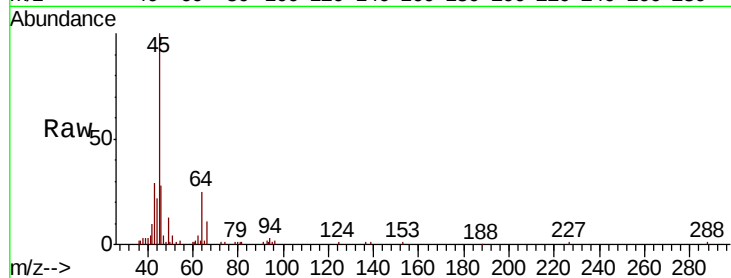




#13
Ethanol
Concen: 3.153 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

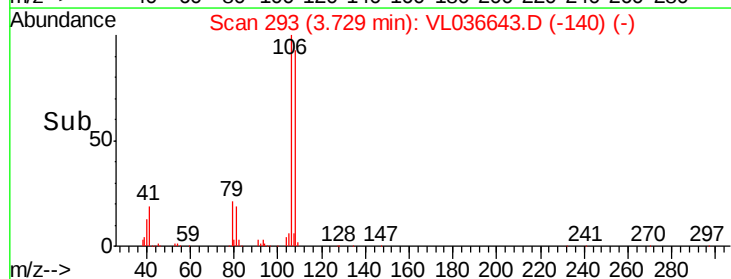
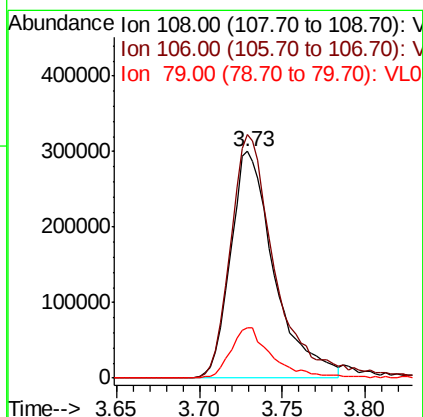
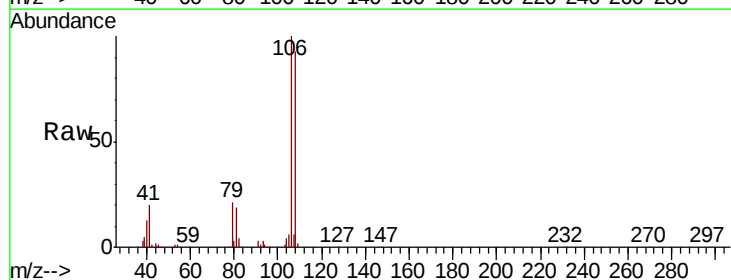
Instrument :
MSVOA_L
ClientSampleId :

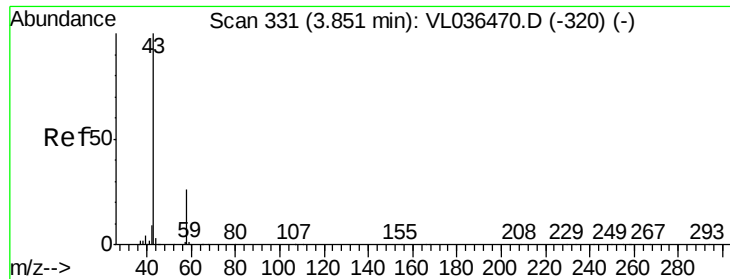
Tot Ion: 45 Resp: 30437
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#14
Bromoethene
Concen: 9.154 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion:108 Resp: 550477
Ion Ratio Lower Upper
108 100
106 111.7 89.0 133.6
79 22.1 16.6 25.0





#15

Acetone

Concen: 11.906 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

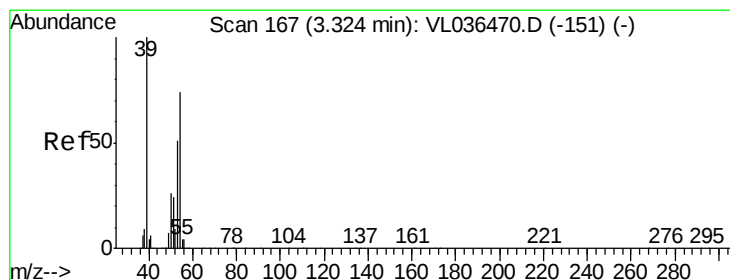
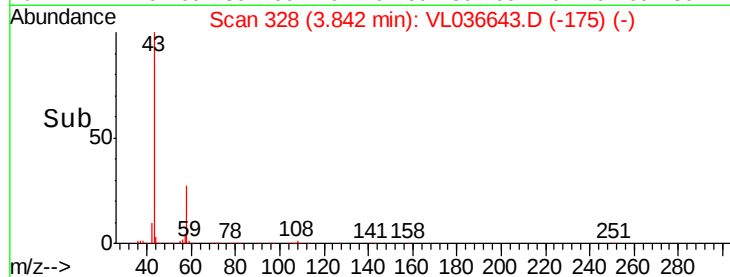
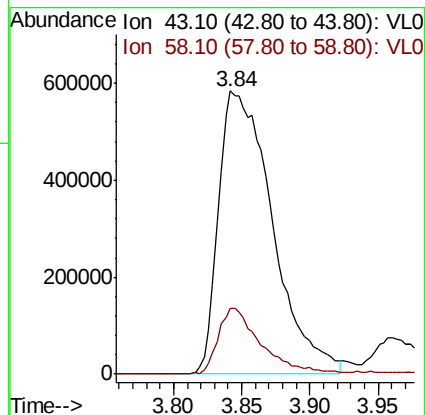
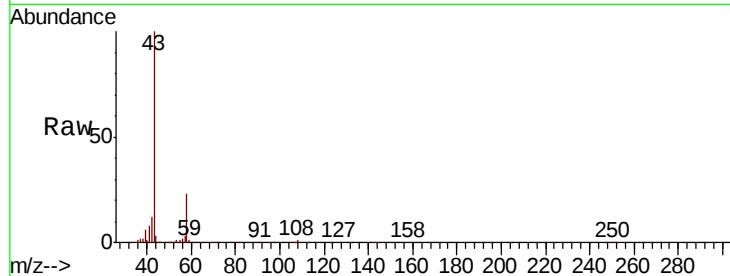
ClientSampleId :

Tot Ion: 43 Resp: 1594985

Ion Ratio Lower Upper

43 100

58 19.8 21.2 31.8#



#16

1,3-Butadiene

Concen: 9.340 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036643.D

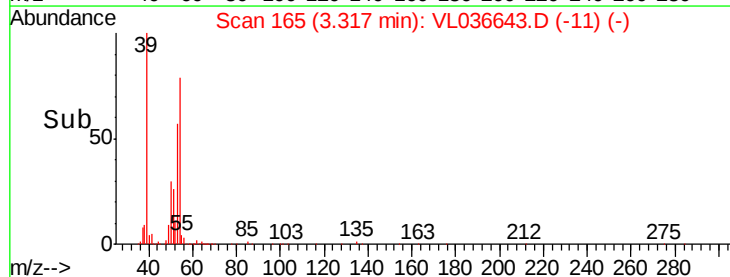
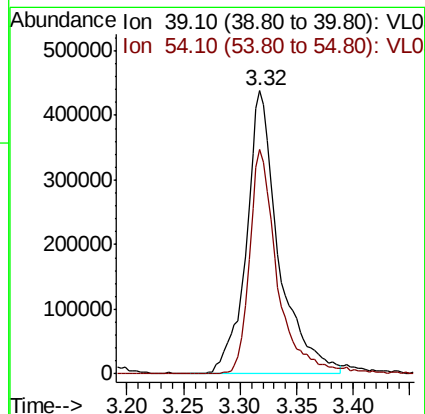
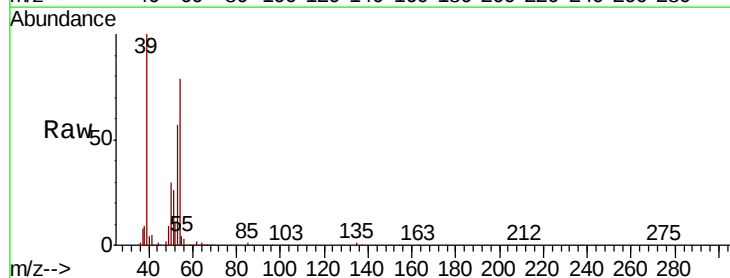
Acq: 2 Apr 2021 13:34

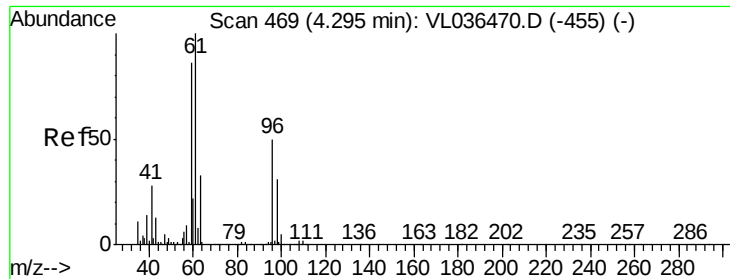
Tgt Ion: 39 Resp: 871154

Ion Ratio Lower Upper

39 100

54 69.7 58.8 88.2





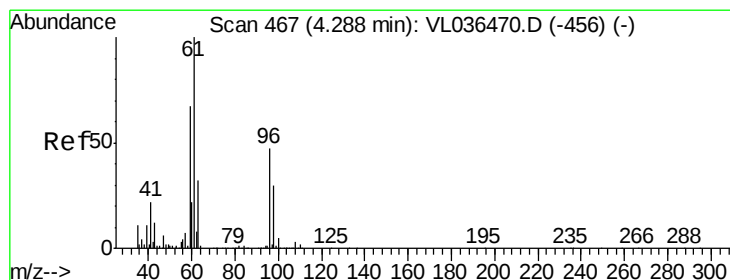
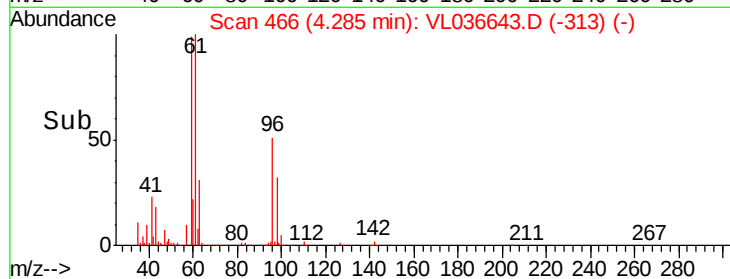
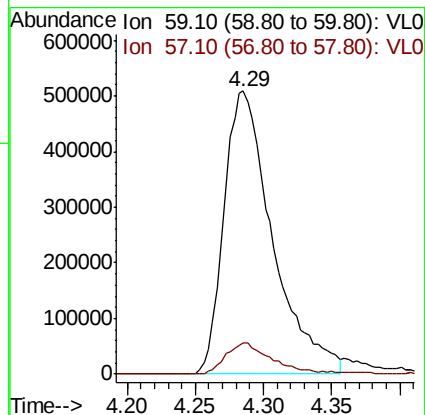
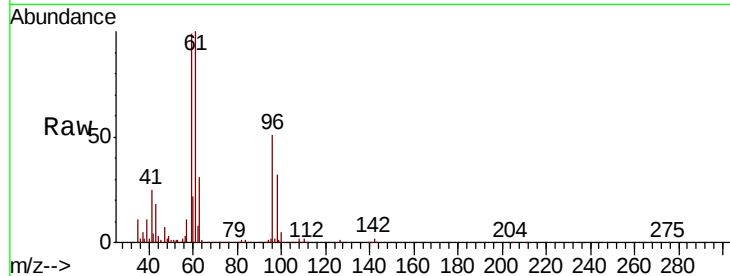
#17

tert-Butyl alcohol
Concen: 10.781 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 59 Resp: 1257271

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

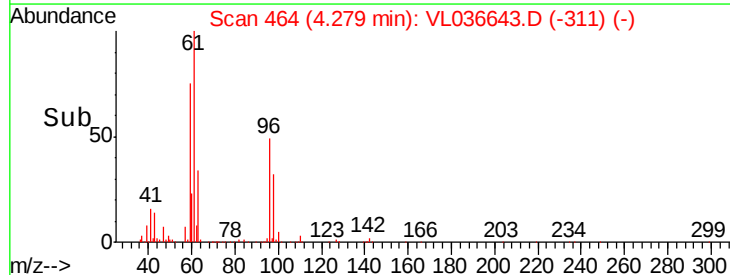
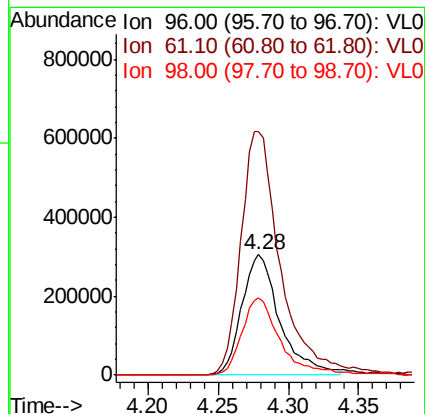
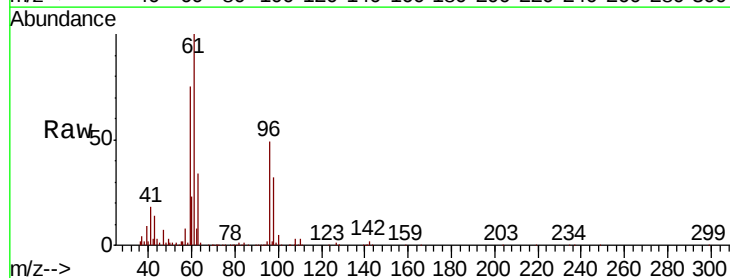


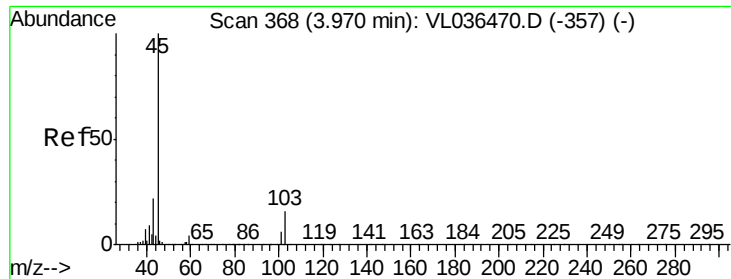
#18

1,1-Dichloroethene
Concen: 8.979 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 96 Resp: 577746

Ion	Ratio	Lower	Upper
96	100		
61	202.4	168.6	253.0
98	63.9	50.8	76.2





#19

Isopropyl Alcohol

Concen: 0.532 ppbv

RT: 4.01 min Scan# 380

Delta R.T. 0.04 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

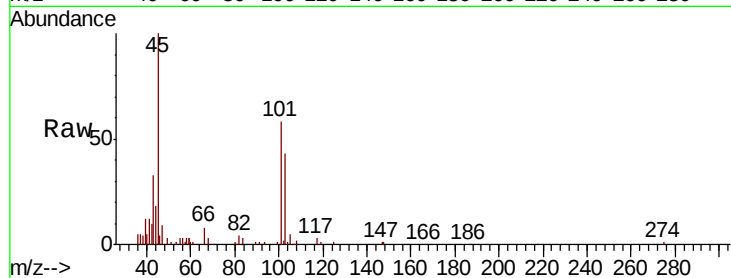
ClientSampleId :

Tot Ion: 45 Resp: 39226

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

120000

100000

80000

60000

40000

20000

0

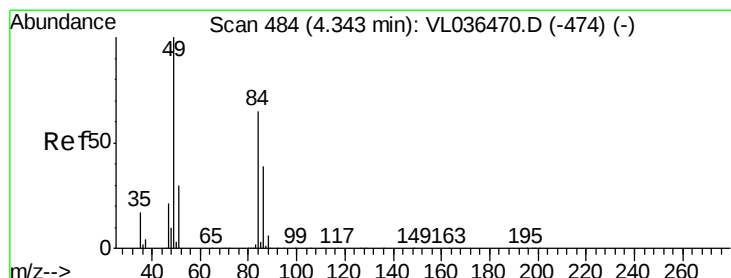
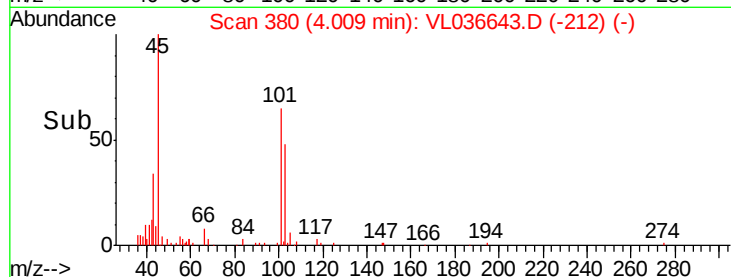
4.01

4.02

4.04

4.06

Time-->



#20

Methylene Chloride

Concen: 7.864 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion: 84 Resp: 493288

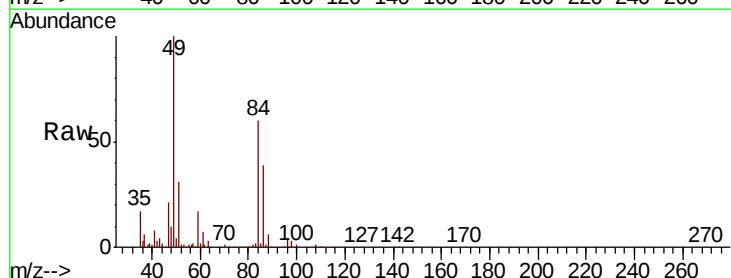
Ion Ratio Lower Upper

84 100

49 166.0 122.9 184.3

51 50.7 36.9 55.3

86 65.2 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

300000

200000

100000

0

4.33

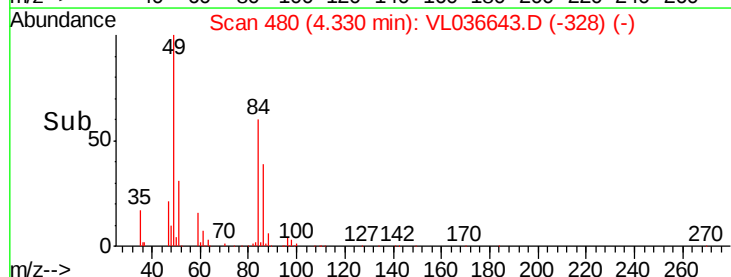
4.25

4.30

4.35

4.40

Time-->

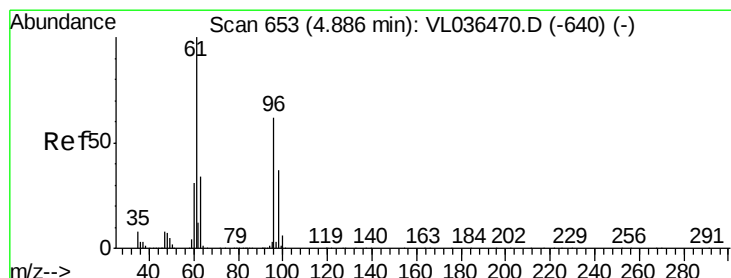
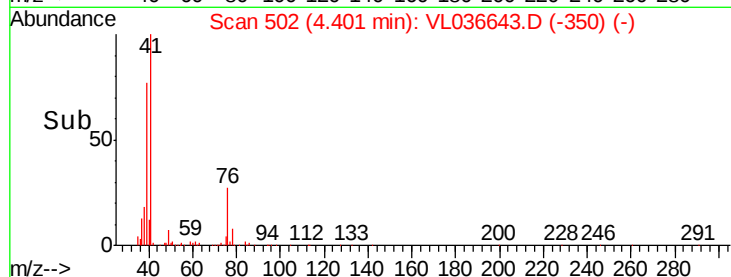
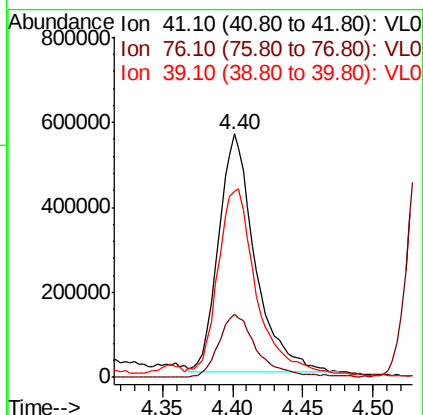
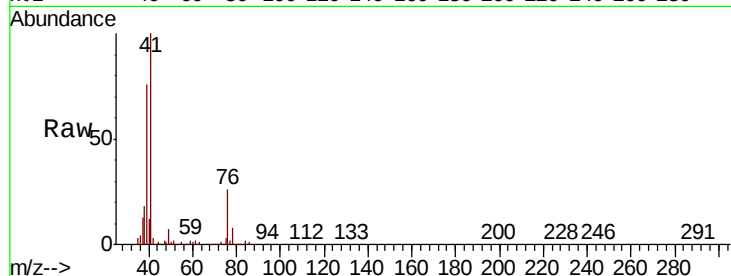




#21
Allvl Chloride
Concen: 9.467 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

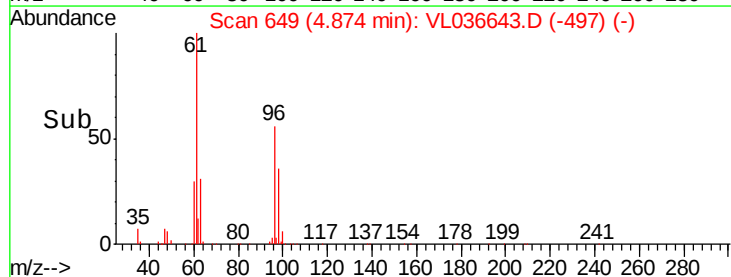
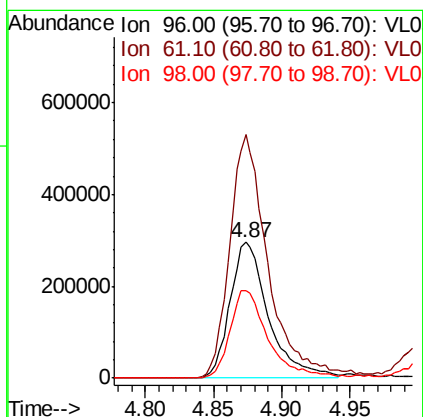
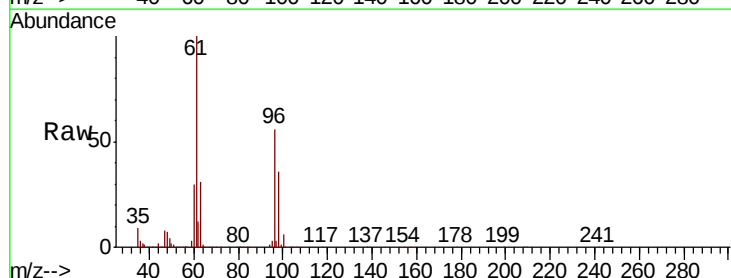
Instrument :
MSVOA_L
ClientSampleId :

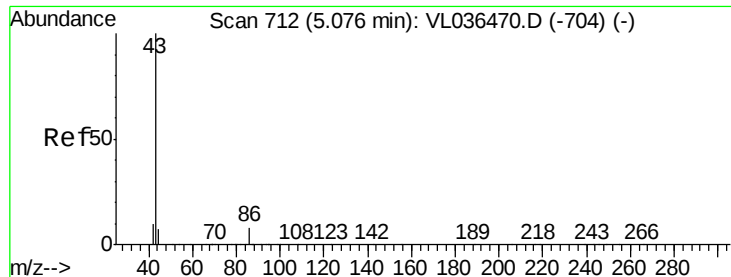
Tot Ion: 41 Resp: 1011001
Ion Ratio Lower Upper
41 100
76 28.1 22.9 34.3
39 89.0 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 9.732 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 96 Resp: 580541
Ion Ratio Lower Upper
96 100
61 179.4 129.4 194.0
98 64.9 48.2 72.4

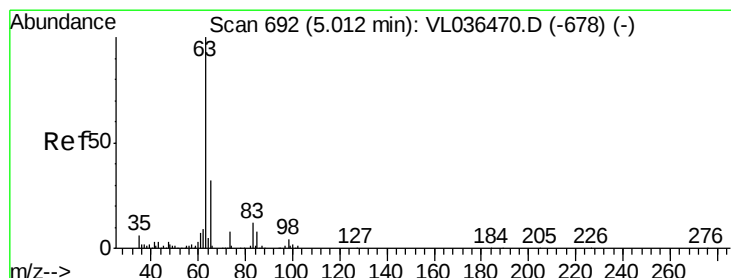
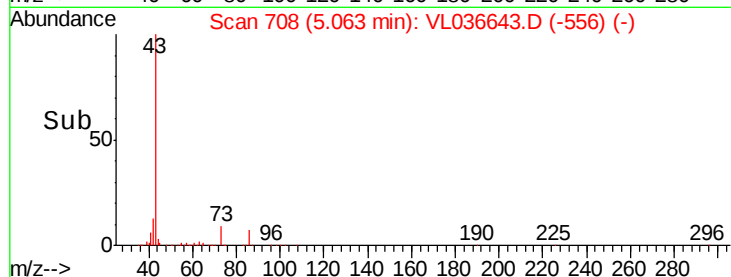
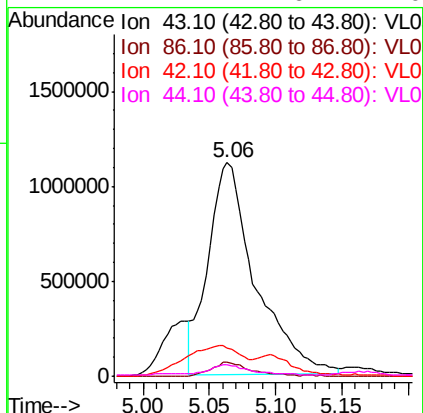
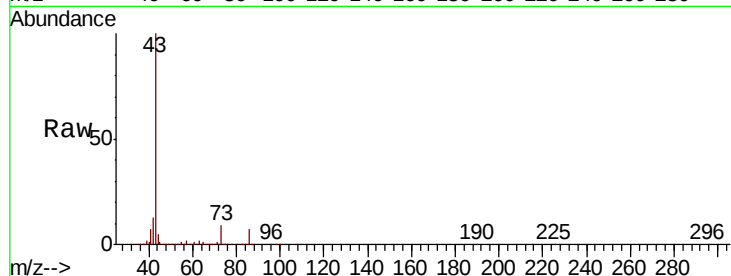




#23
 Vinyl Acetate
 Concen: 12.148 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

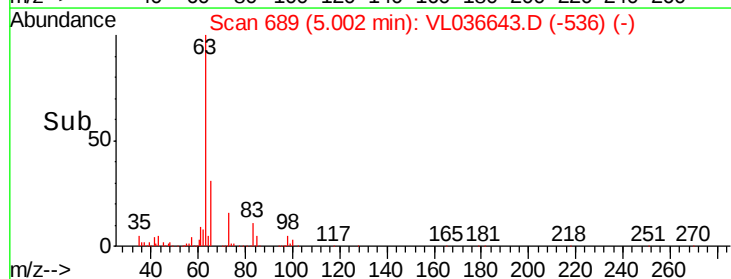
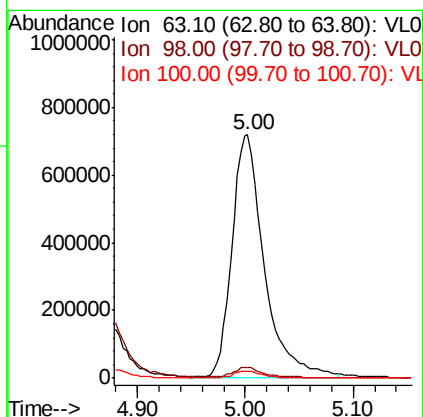
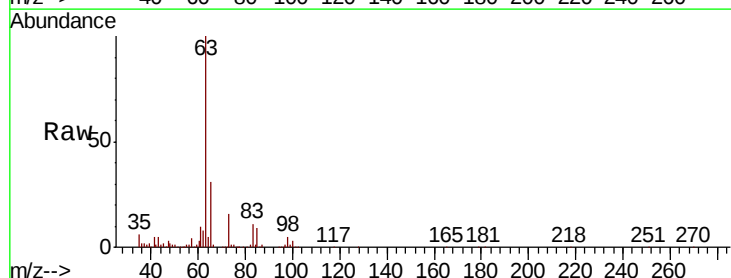
Instrument :
 MSVOA_L
 ClientSampleId :

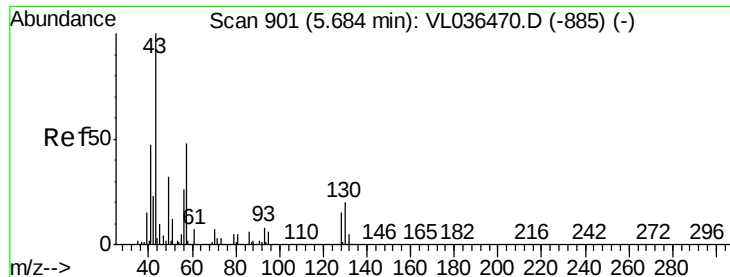
Tot Ion: 43 Resp: 2783721
 Ion Ratio Lower Upper
 43 100
 86 6.6 5.4 8.0
 42 13.0 8.5 12.7#
 44 4.4 4.6 7.0#



#24
 1,1-Dichloroethane
 Concen: 8.896 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 63 Resp: 1485925
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.1 6.2
 100 2.6 0.9 2.8

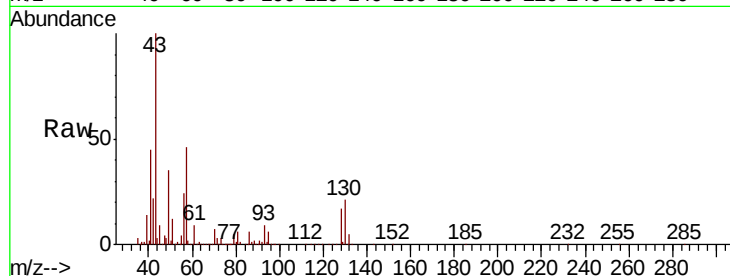




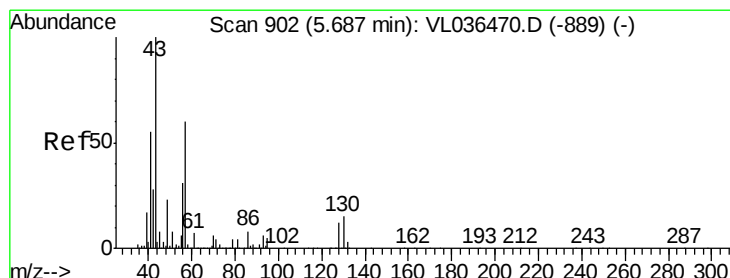
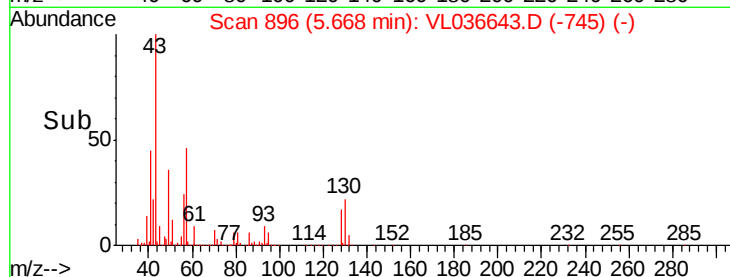
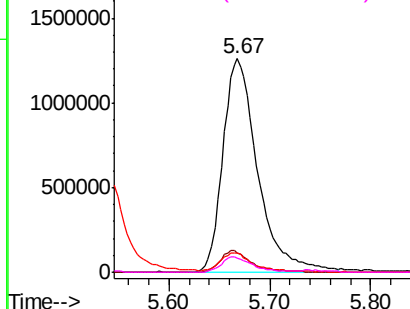
#25
Ethyl Acetate
Concen: 9.480 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3019453
Ion Ratio Lower Upper
43 100
45 9.3 7.9 11.9
61 8.7 7.4 11.2
70 6.4 5.1 7.7

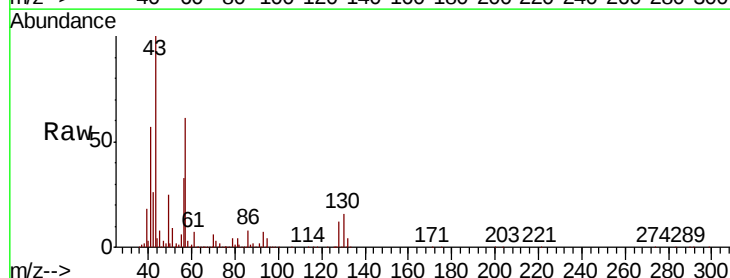


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

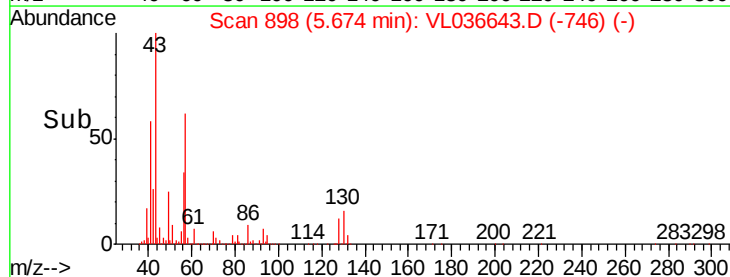
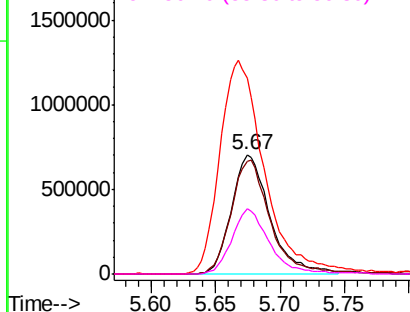


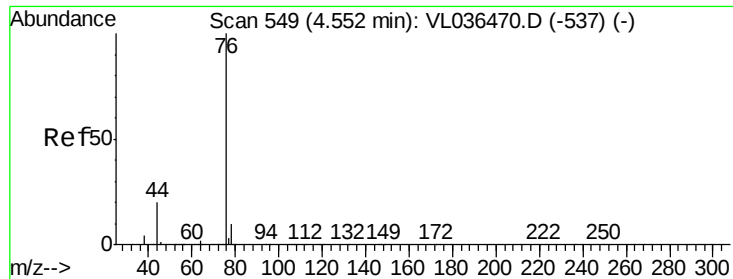
#26
Hexane
Concen: 9.816 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 57 Resp: 1450761
Ion Ratio Lower Upper
57 100
41 98.2 77.2 115.8
43 211.6 173.8 260.6
56 54.2 43.8 65.6



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: 9.966 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampled :

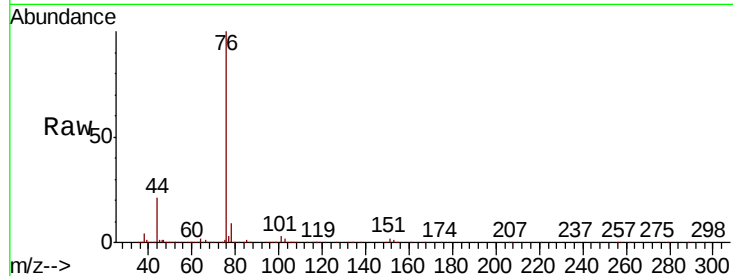
Tot Ion: 76 Resp: 1451099

Ion Ratio Lower Upper

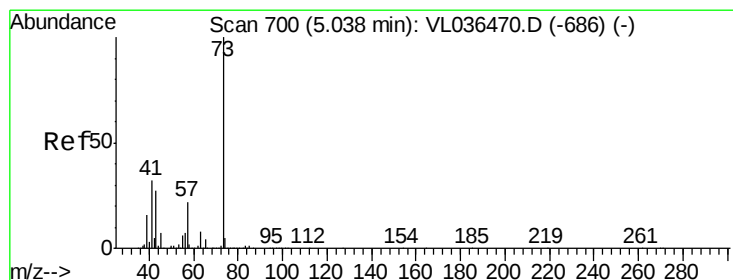
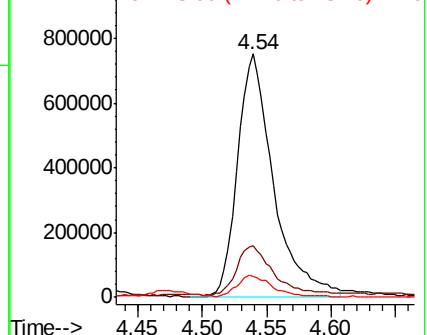
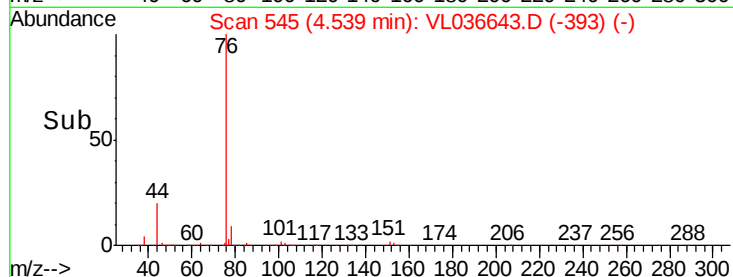
76 100

44 21.9 17.5 26.3

78 10.0 8.6 13.0



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: 10.058 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.01 min

Lab File: VL036643.D

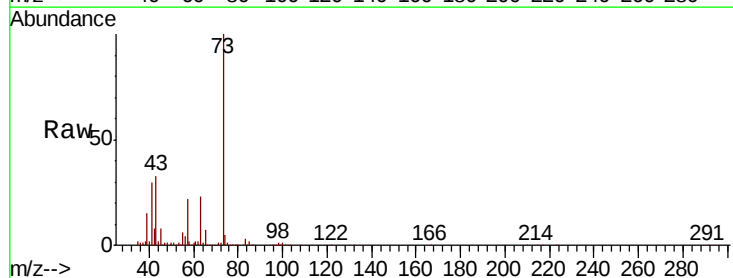
Acq: 2 Apr 2021 13:34

Tgt Ion: 73 Resp: 1753148

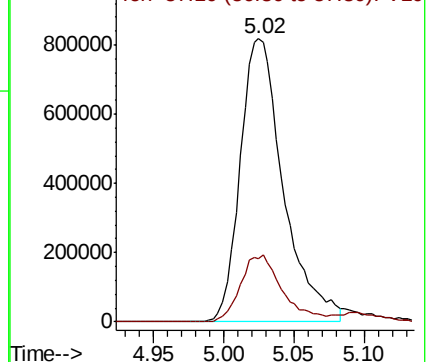
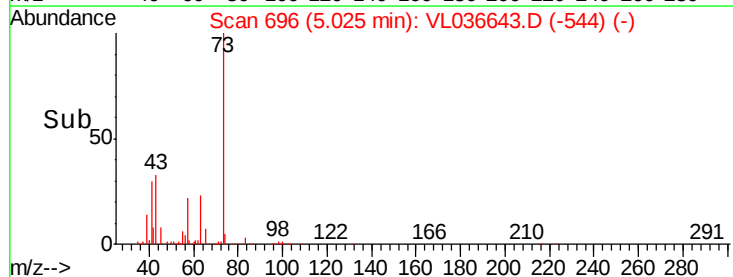
Ion Ratio Lower Upper

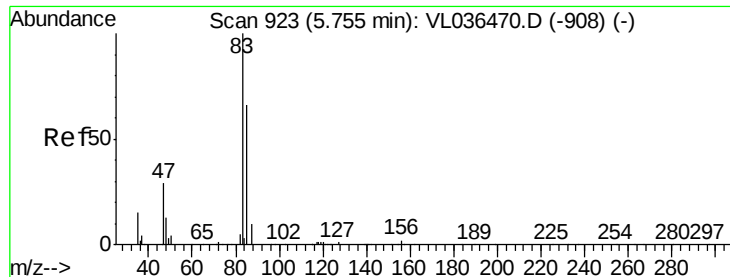
73 100

57 23.0 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

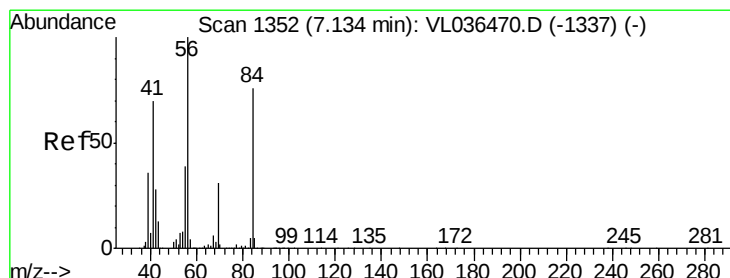
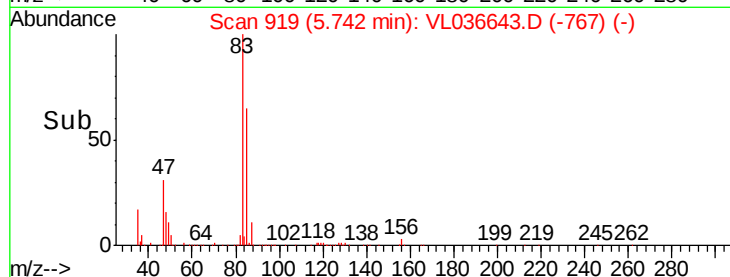
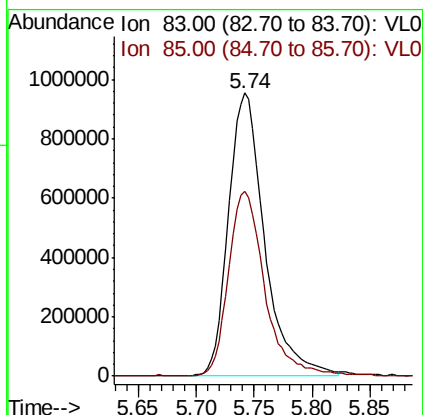
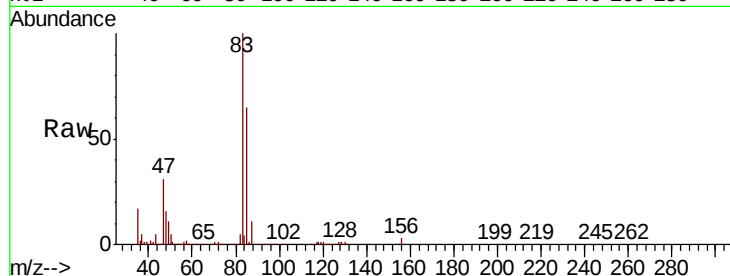




#29
Chloroform
Concen: 8.707 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

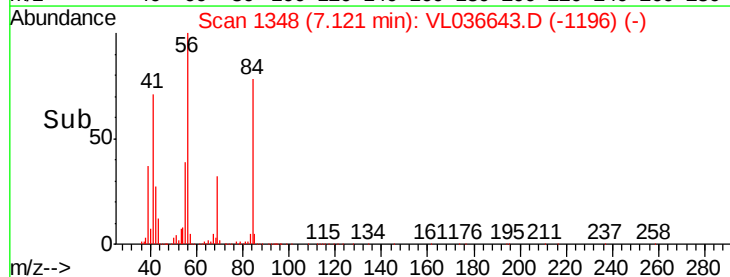
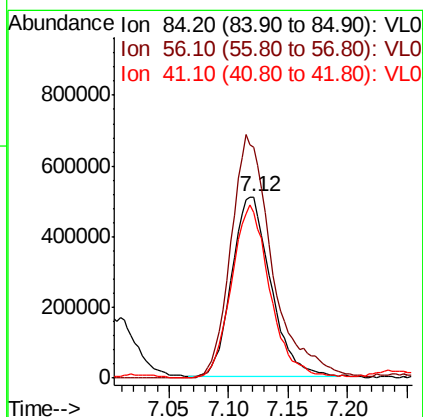
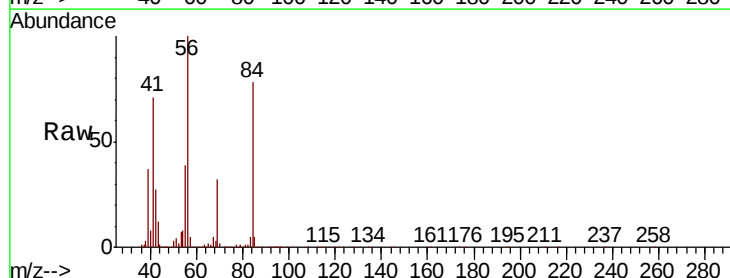
Instrument :
MSVOA_L
ClientSampleId :

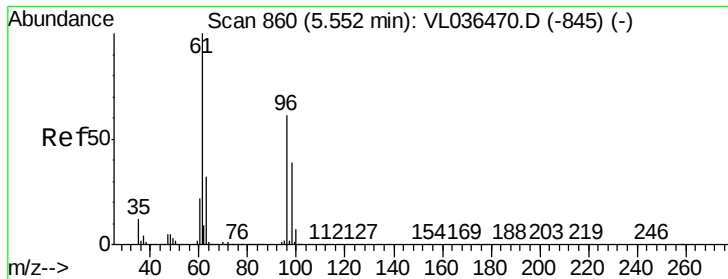
Tot Ion: 83 Resp: 2058116
Ion Ratio Lower Upper
83 100
85 65.0 52.6 78.8



#30
Cyclohexane
Concen: 9.698 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 84 Resp: 1162539
Ion Ratio Lower Upper
84 100
56 143.6 114.6 171.8
41 94.8 75.3 112.9



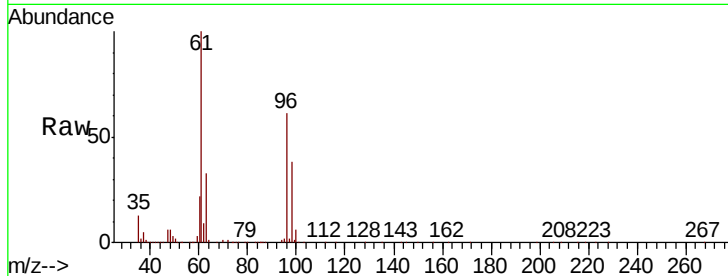


#31

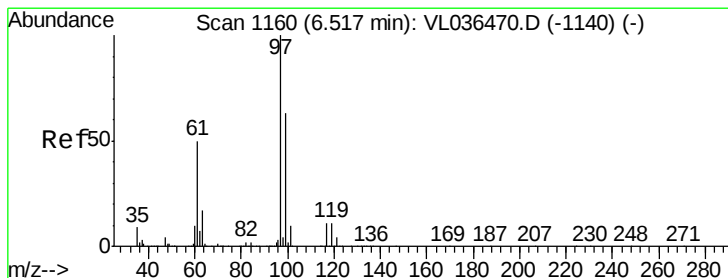
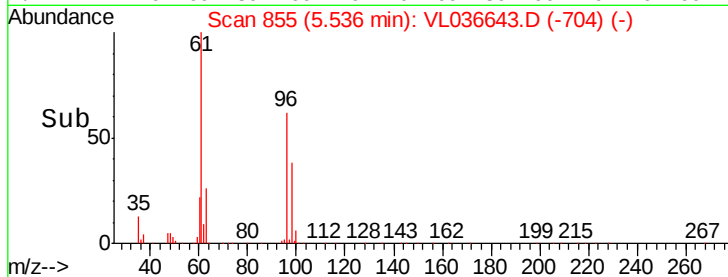
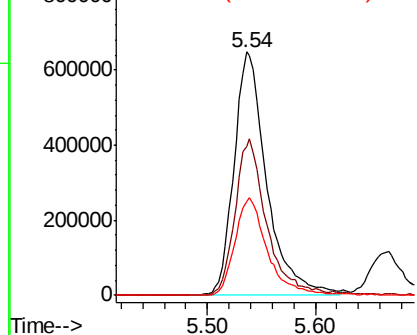
cis-1,2-Dichloroethene
Concen: 9.569 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1367990
Ion Ratio Lower Upper
61 100
96 61.4 48.7 73.1
98 38.5 31.4 47.0



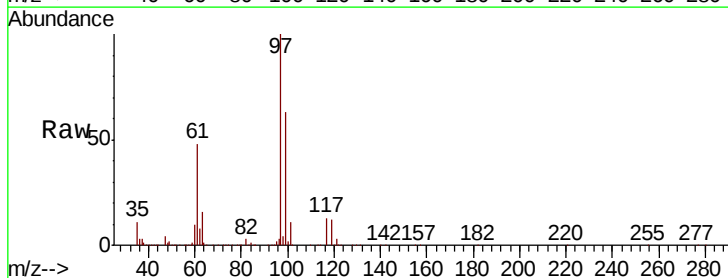
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



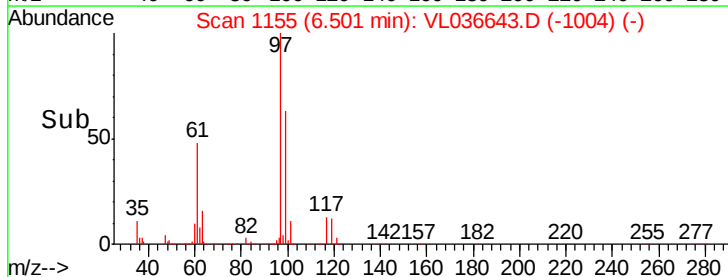
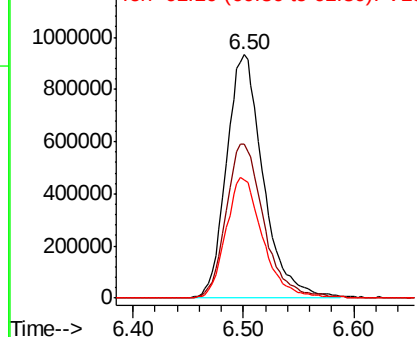
#32

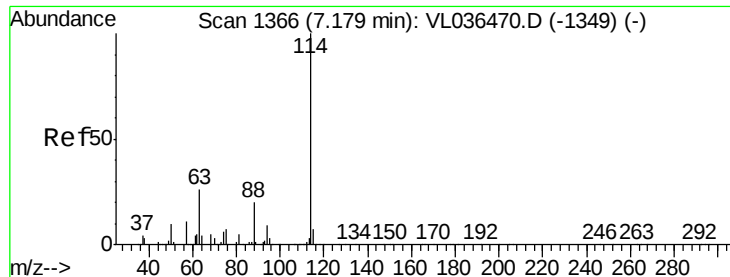
1,1,1-Trichloroethane
Concen: 9.034 ppbv
RT: 6.50 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 97 Resp: 2152161
Ion Ratio Lower Upper
97 100
99 65.3 51.4 77.0
61 50.0 40.6 60.8



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

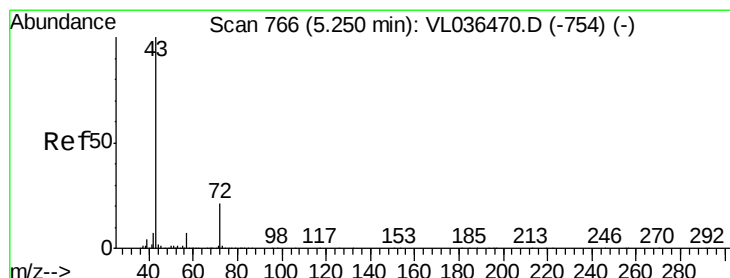
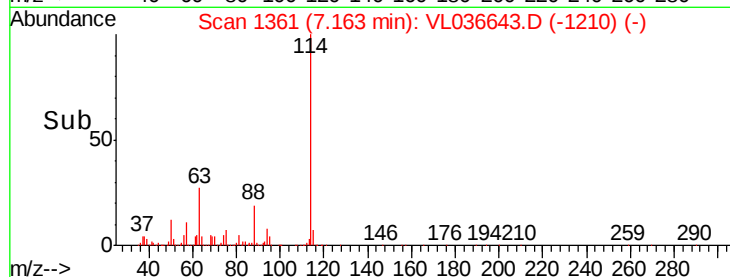
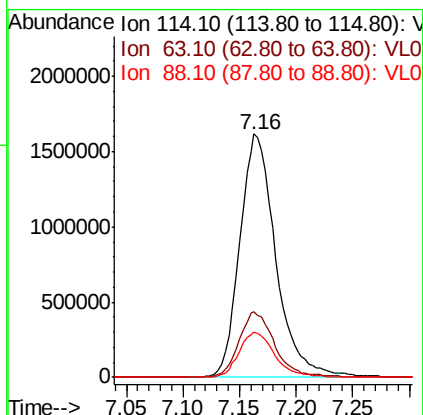
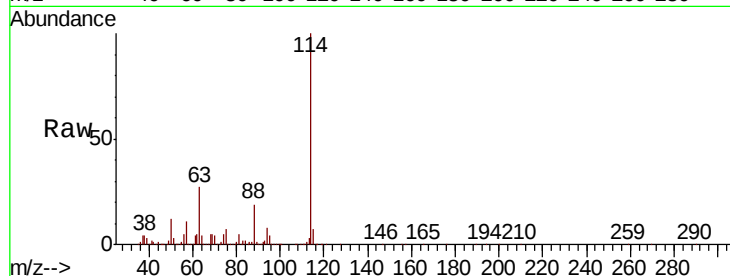




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

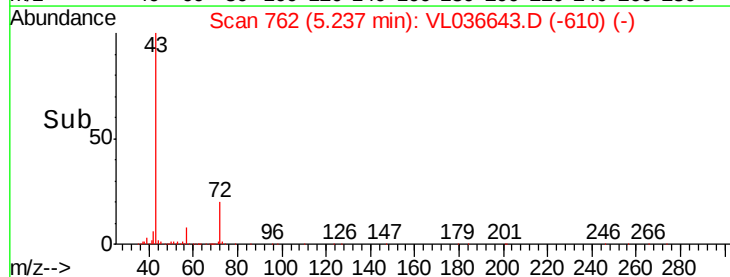
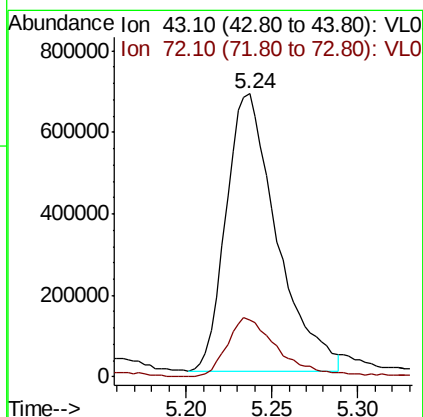
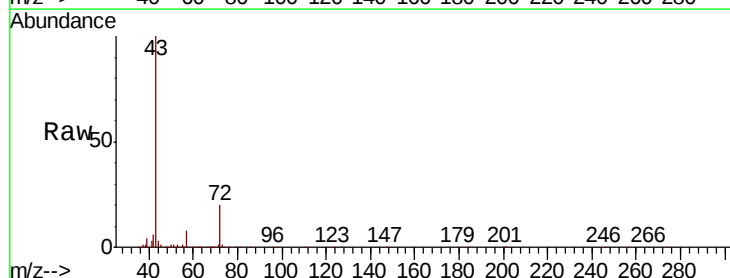
Instrument :
 MSVOA_L
 ClientSampleId :

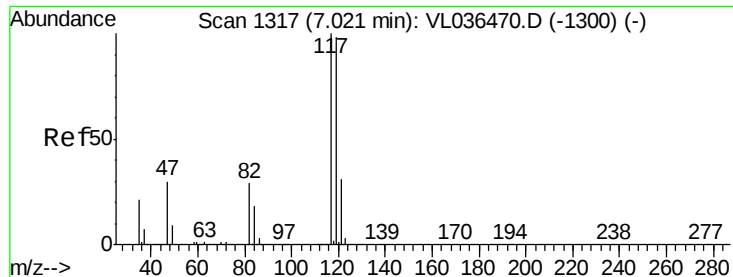
Tot Ion:114 Resp: 3562678
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 18.8 15.4 23.0



#34
 2-Butanone
 Concen: 8.093 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 43 Resp: 1407370
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.0 25.6

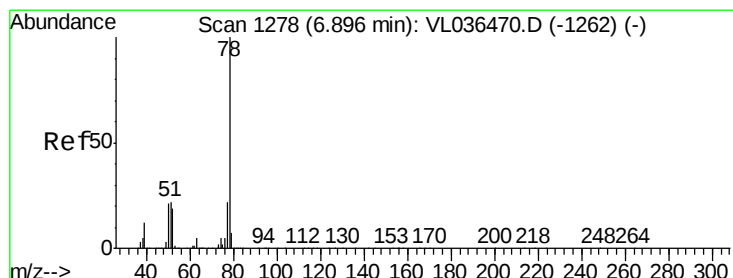
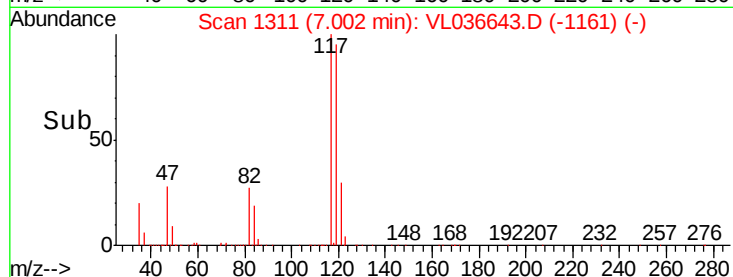
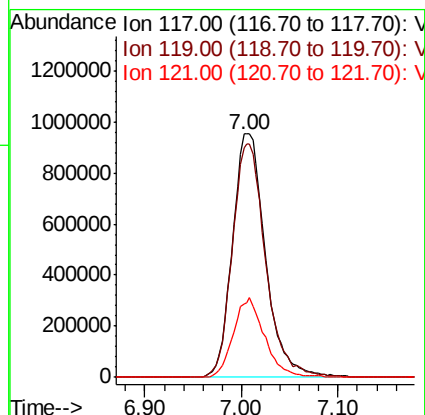
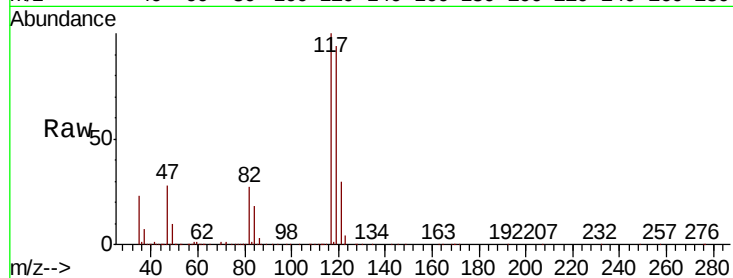




#35
Carbon Tetrachloride
Concen: 8.249 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

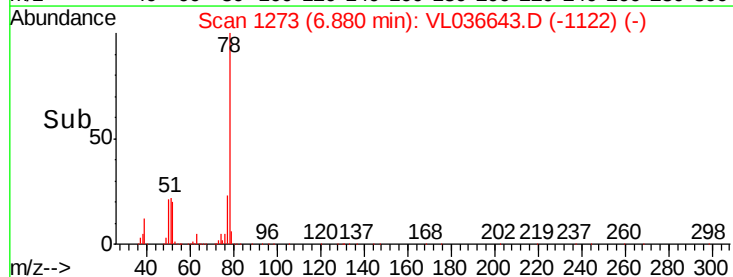
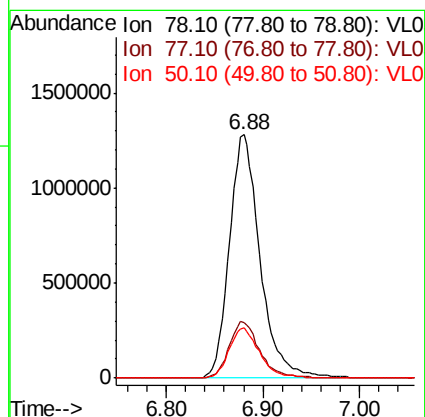
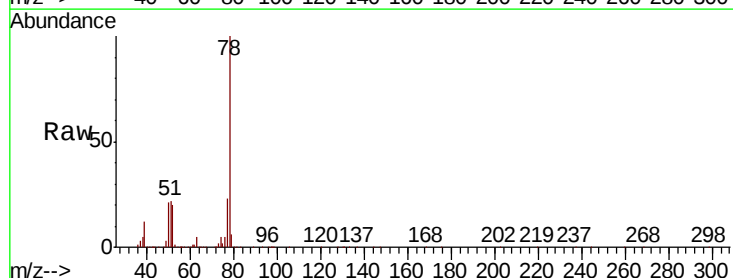
Instrument :
MSVOA_L
ClientSampleId :

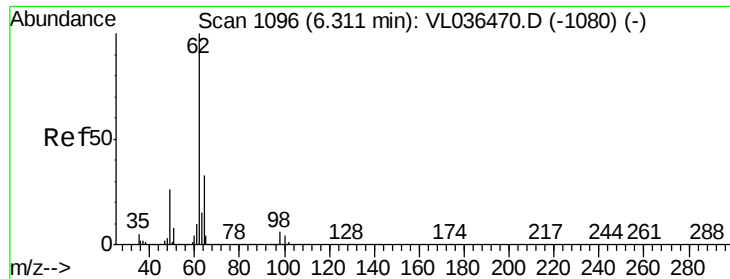
Tot Ion:117 Resp: 2257279
Ion Ratio Lower Upper
117 100
119 94.2 78.2 117.2
121 30.0 24.5 36.7



#36
Benzene
Concen: 8.555 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 78 Resp: 2811080
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0
50 20.6 16.5 24.7

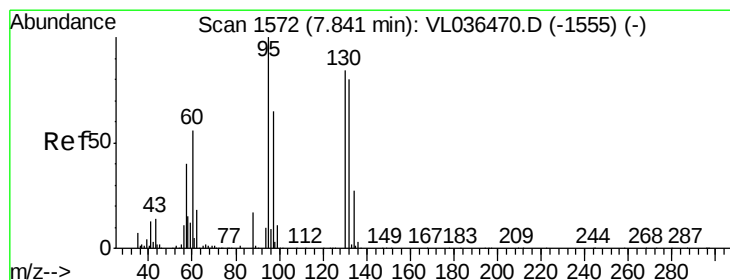
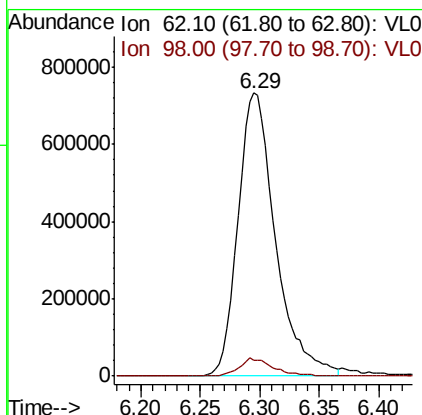
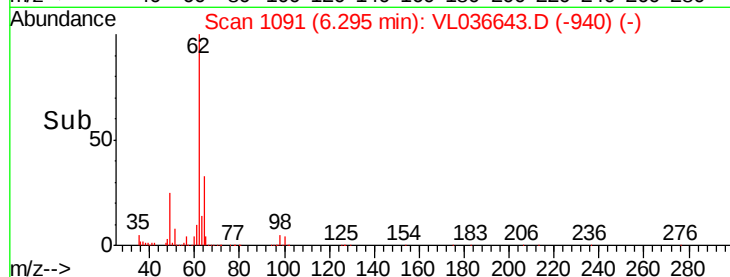
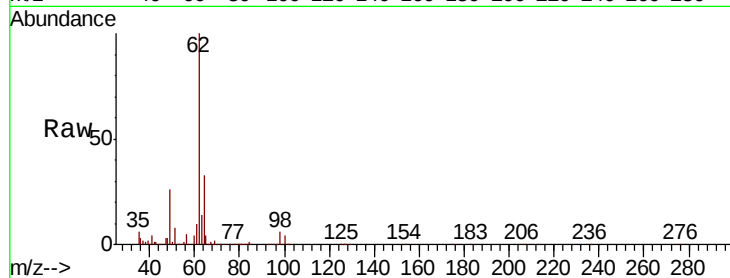




#37
 1,2-Dichloroethane
 Concen: 8.284 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

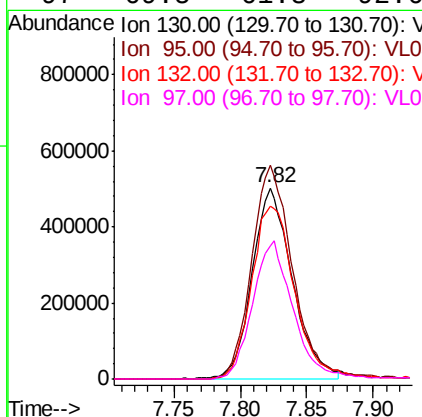
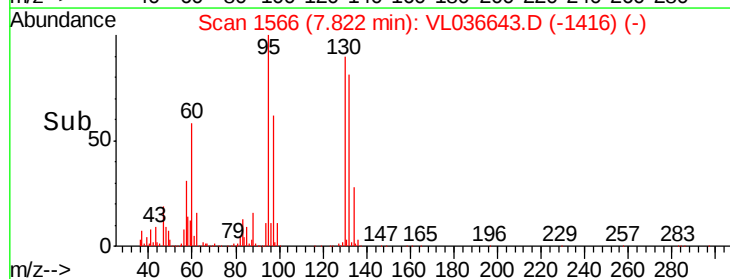
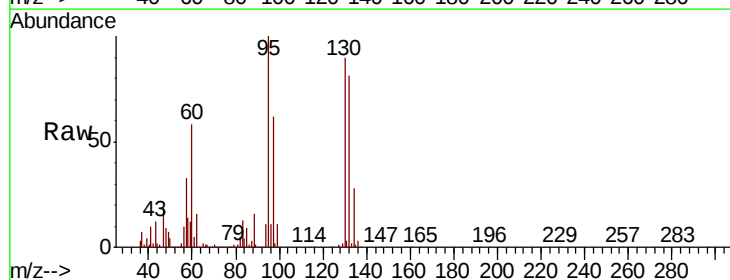
Instrument :
 MSVOA_L
 ClientSampleId :

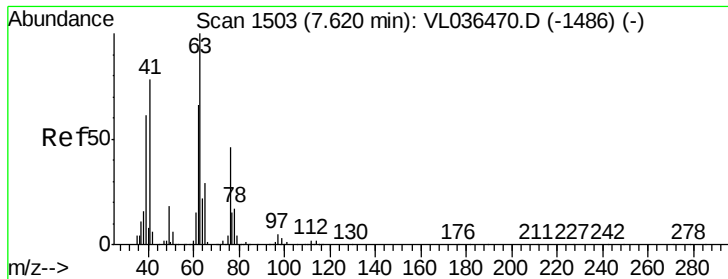
Tot Ion: 62 Resp: 1602107
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3



#38
 Trichloroethene
 Concen: 8.204 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 130 Resp: 1049097
 Ion Ratio Lower Upper
 130 100
 95 111.9 95.7 143.5
 132 90.8 76.2 114.4
 97 69.5 61.8 92.6



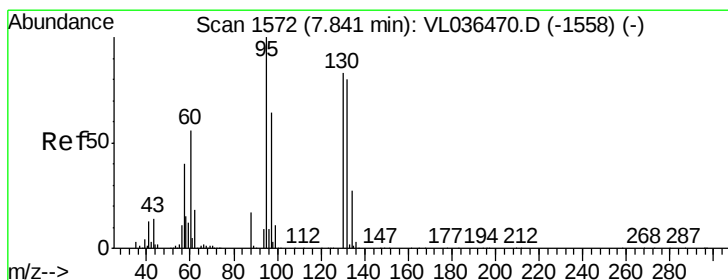
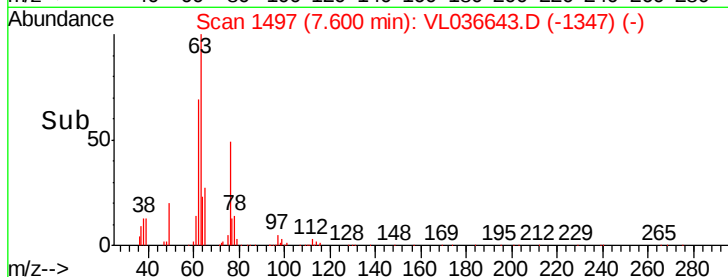
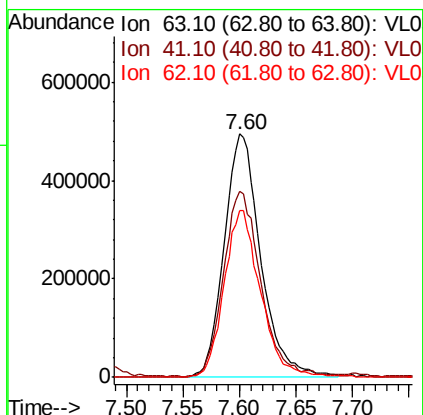
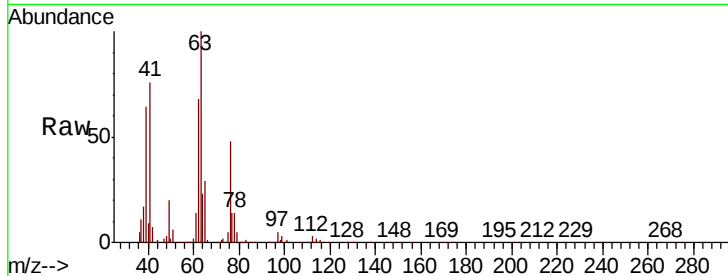


#39
 1,2-Dichloropropane
 Concen: 8.269 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1102154

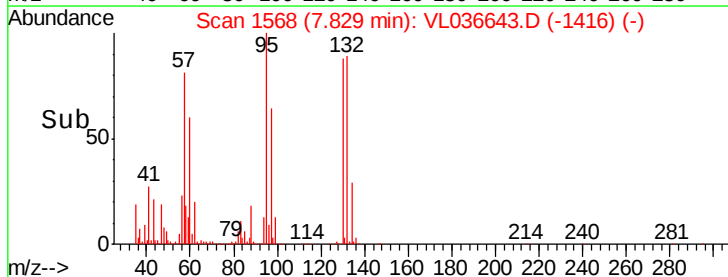
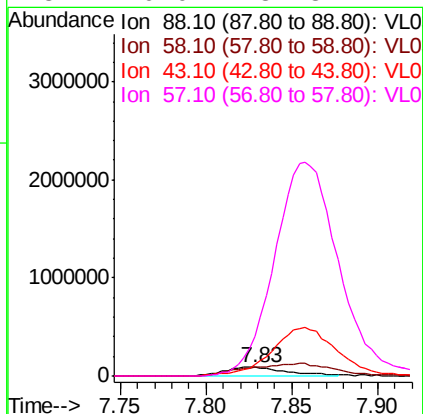
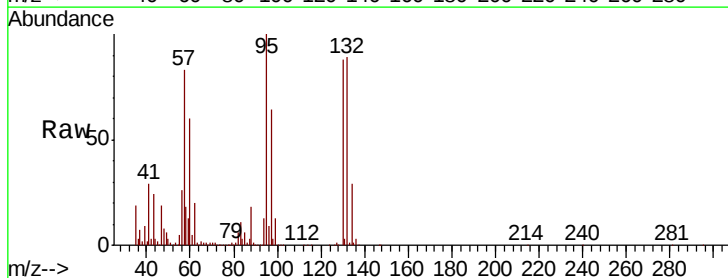
Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.4	93.6
62	68.1	52.8	79.2

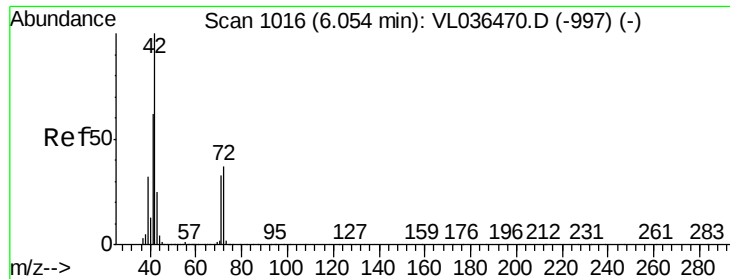


#40
 1,4-Dioxane
 Concen: 7.140 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 88 Resp: 221496

Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





#41

Tetrahydrofuran

Concen: 8.805 ppbv

RT: 6.04 min Scan# 1011

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

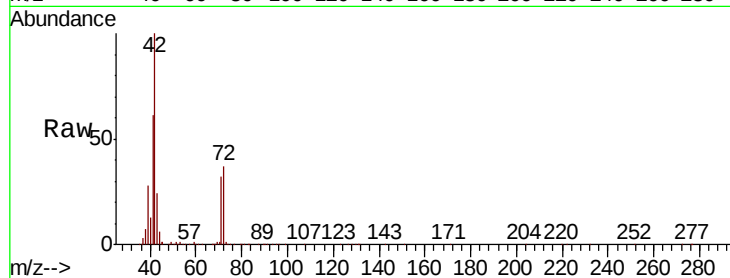
Tot Ion: 42 Resp: 706042

Ion Ratio Lower Upper

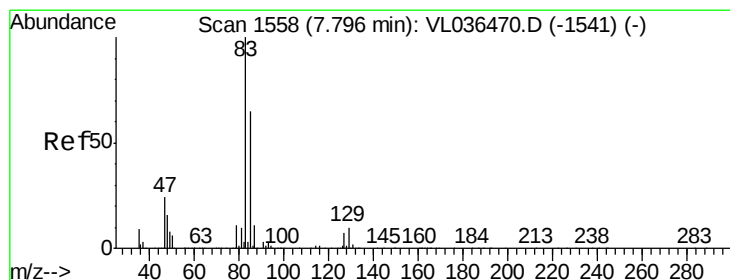
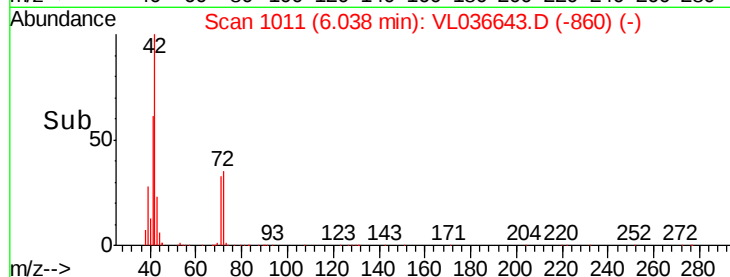
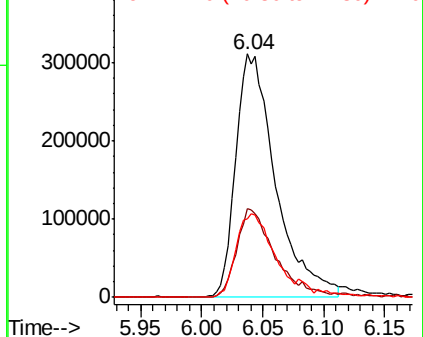
42 100

72 35.7 27.6 41.4

71 36.4 27.0 40.4



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



#42

Bromodichloromethane

Concen: 8.551 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

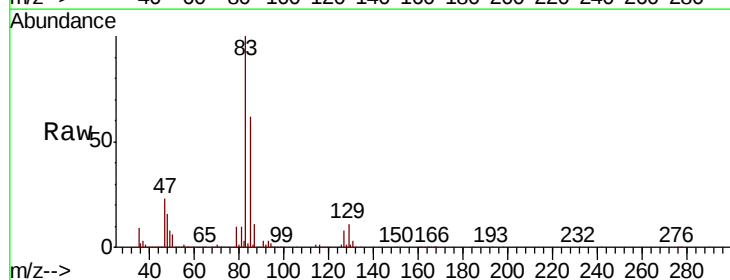
Tgt Ion: 83 Resp: 2249260

Ion Ratio Lower Upper

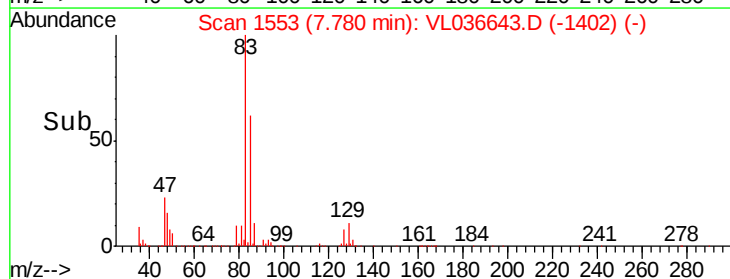
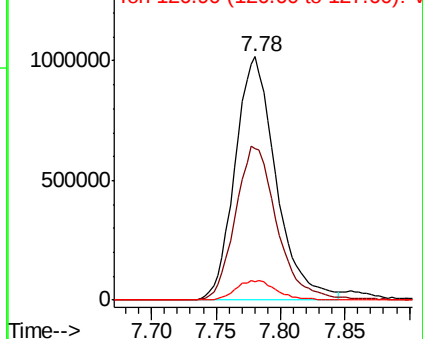
83 100

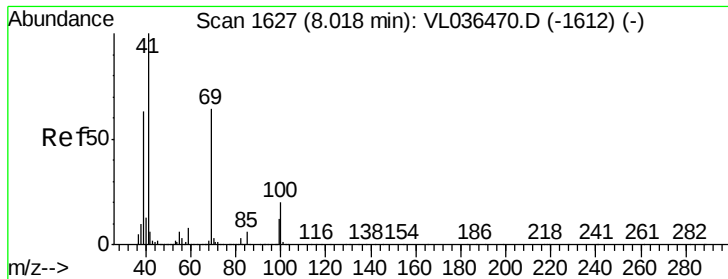
85 62.3 51.8 77.6

127 7.7 5.8 8.8



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

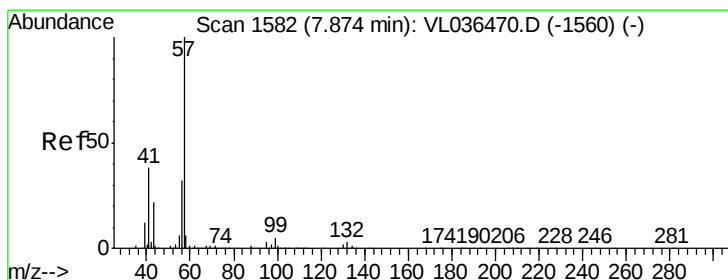
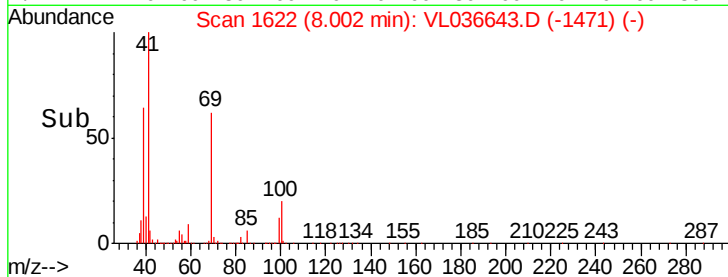
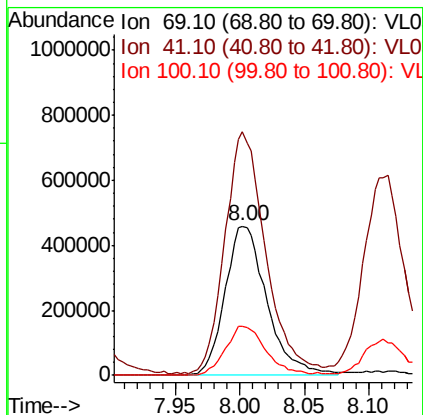
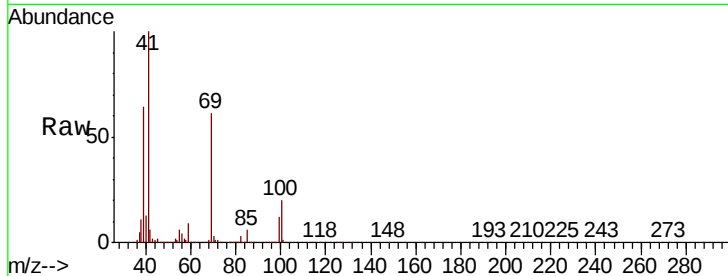




#43
Methvl Methacrylate
Concen: 9.289 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

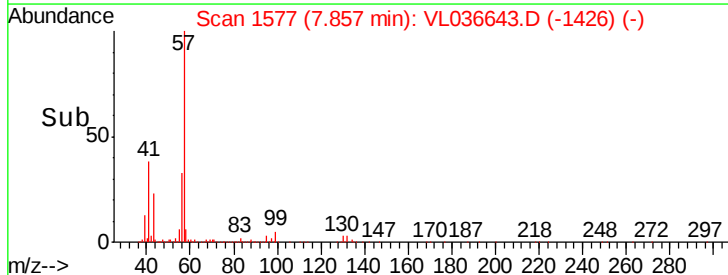
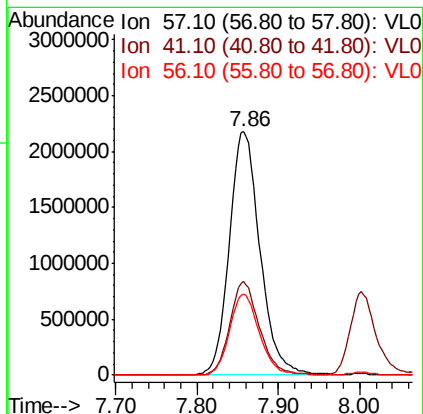
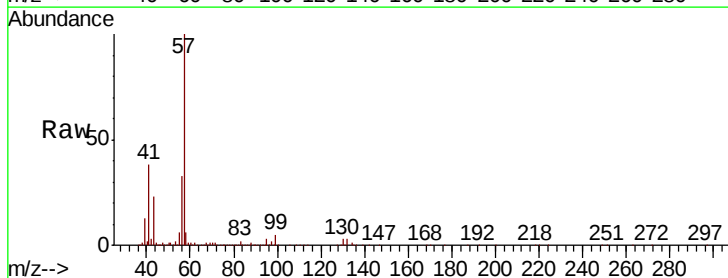
Instrument :
MSVOA_L
ClientSampled :

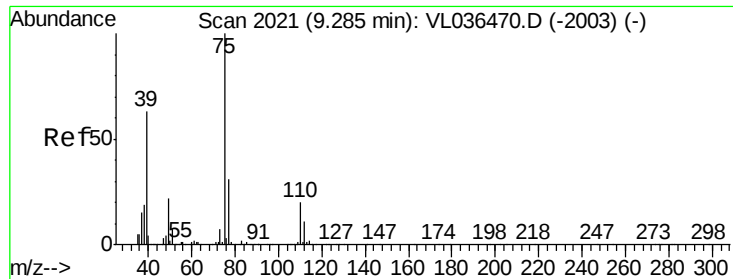
Tot Ion: 69 Resp: 1024837
Ion Ratio Lower Upper
69 100
41 162.3 126.8 190.2
100 32.8 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 9.908 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 57 Resp: 5729849
Ion Ratio Lower Upper
57 100
41 36.8 28.8 43.2
56 32.5 26.1 39.1

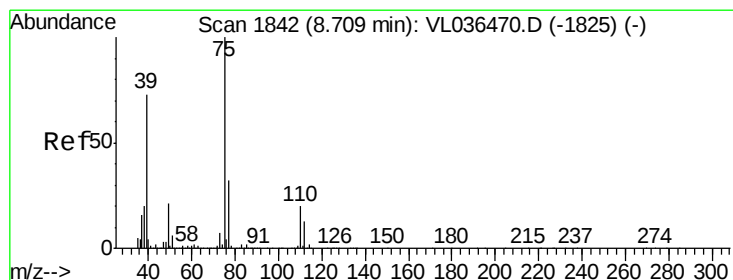
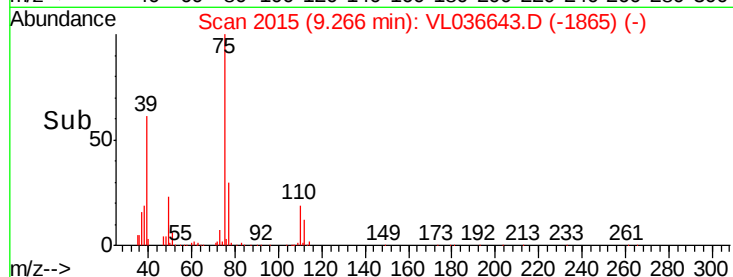
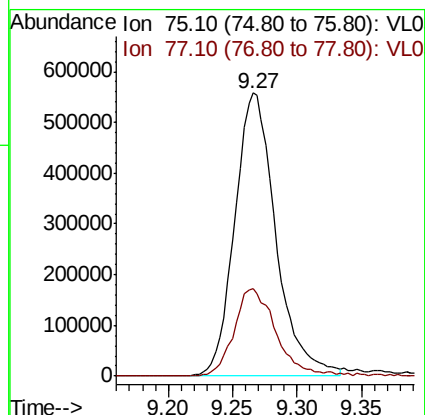
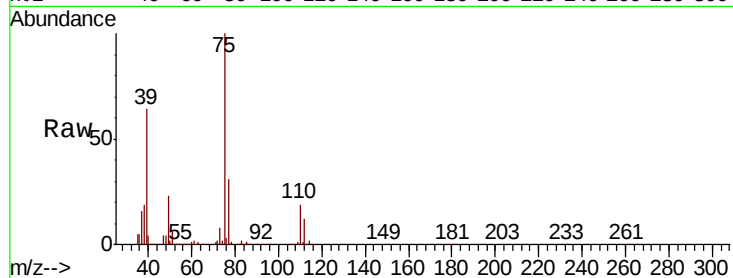




#45
t-1,3-Dichloropropene
Concen: 9.786 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

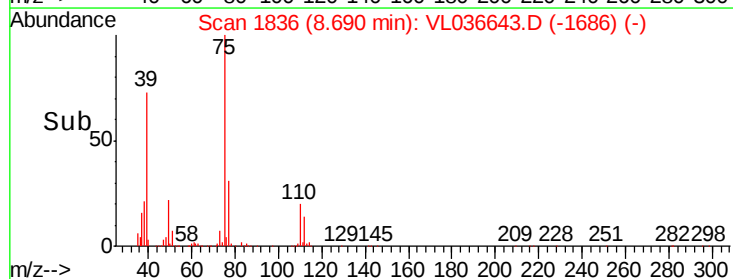
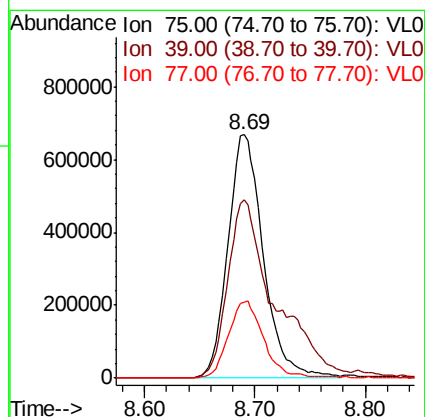
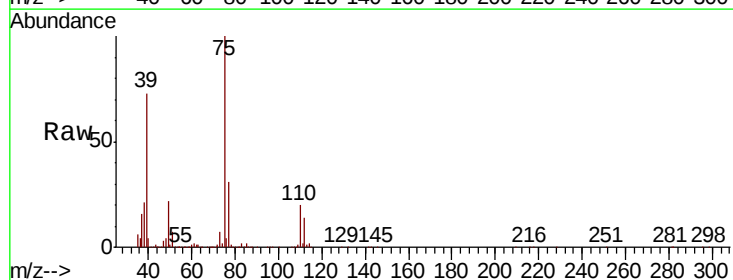
Instrument :
MSVOA_L
ClientSampleId :

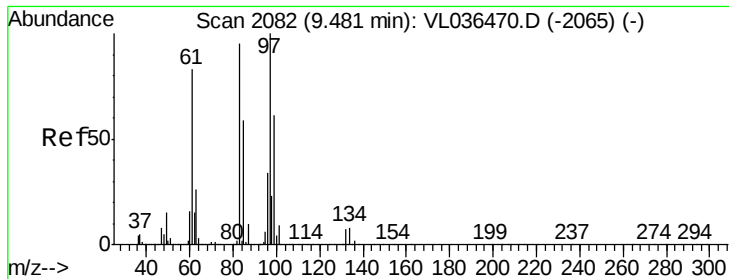
Tot Ion: 75 Resp: 1232883
Ion Ratio Lower Upper
75 100
77 30.7 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 9.237 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 75 Resp: 1487530
Ion Ratio Lower Upper
75 100
39 73.4 58.2 87.2
77 31.3 25.2 37.8



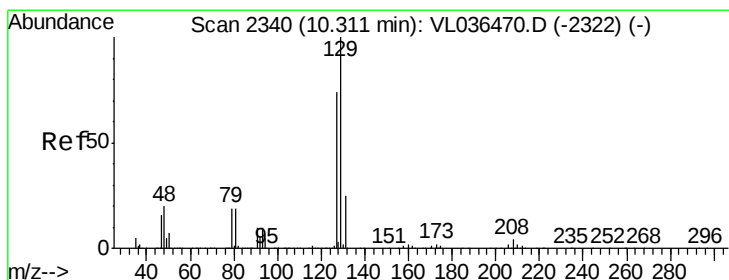
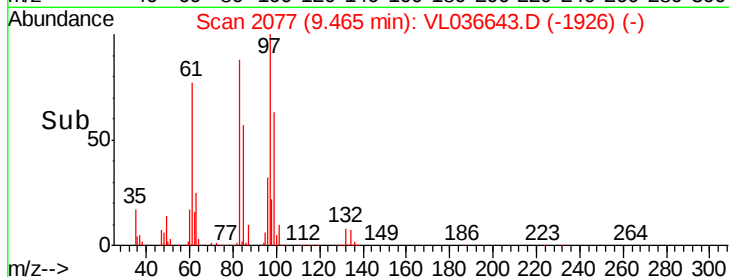
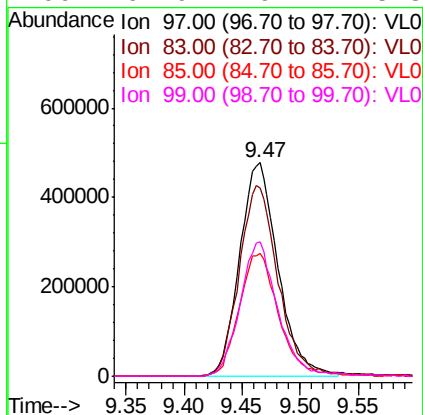
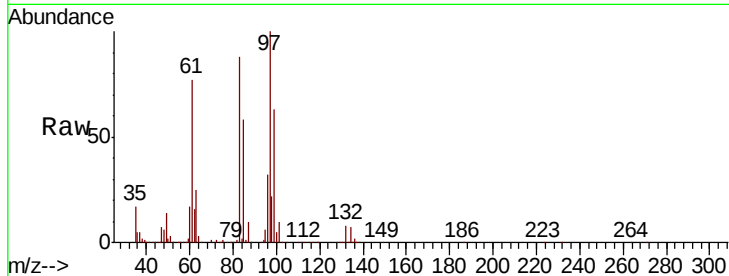


#47
 1,1,2-Trichloroethane
 Concen: 8.155 ppbv
 RT: 9.47 min Scan# 2077
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1100969

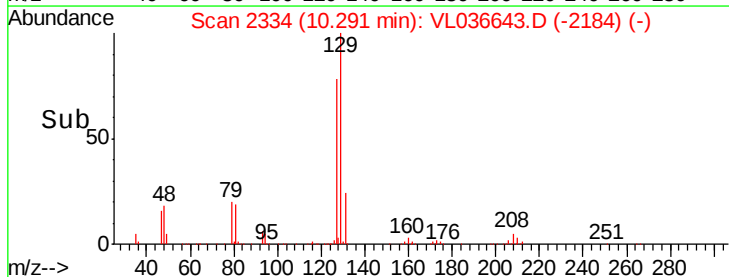
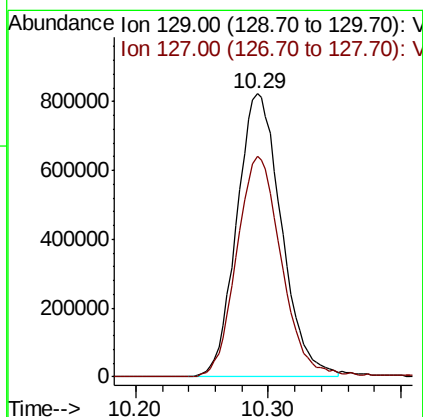
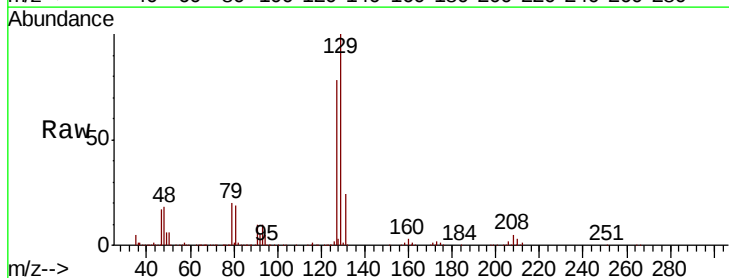
Ion	Ratio	Lower	Upper
97	100		
83	87.9	75.8	113.8
85	57.6	47.1	70.7
99	62.9	49.2	73.8

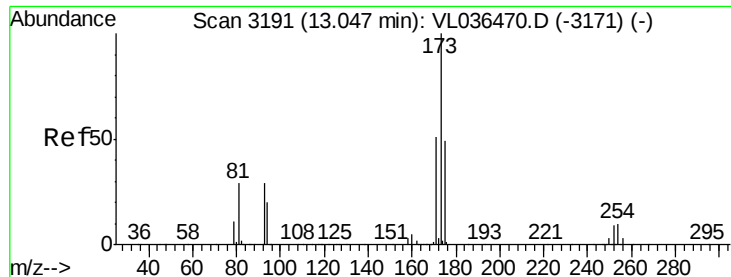


#48
 Dibromochloromethane
 Concen: 9.336 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 129 Resp: 1921424

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 9.603 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampled :

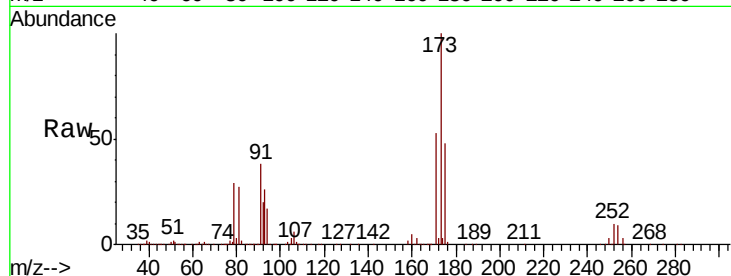
Tot Ion:173 Resp: 1592376

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

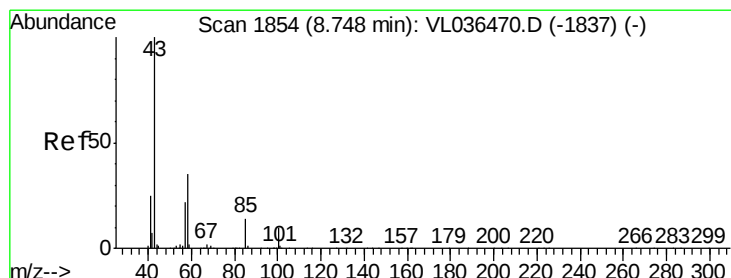
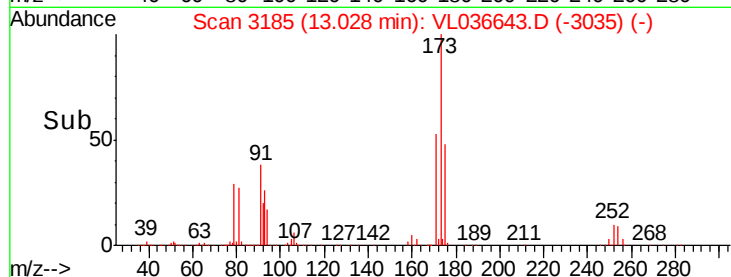
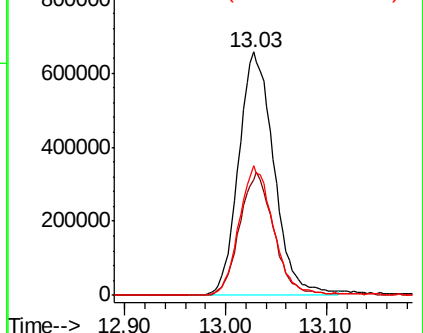
171 52.2 41.4 62.0



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: 9.011 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL036643.D

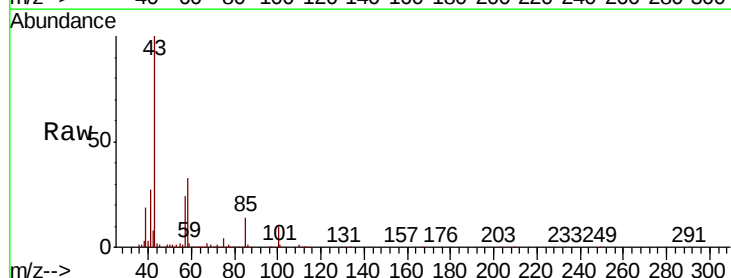
Acq: 2 Apr 2021 13:34

Tgt Ion: 43 Resp: 2267495

Ion Ratio Lower Upper

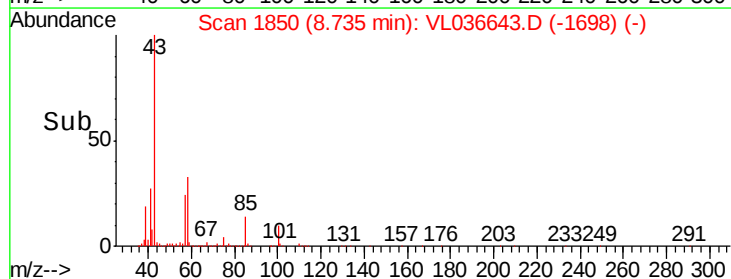
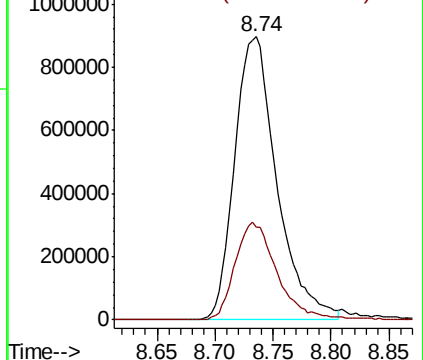
43 100

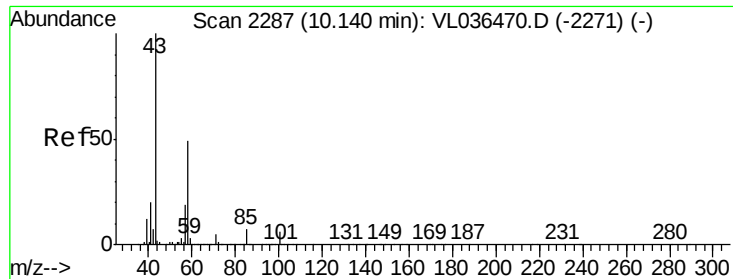
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

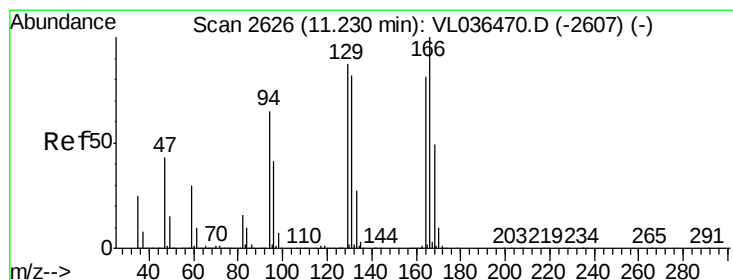
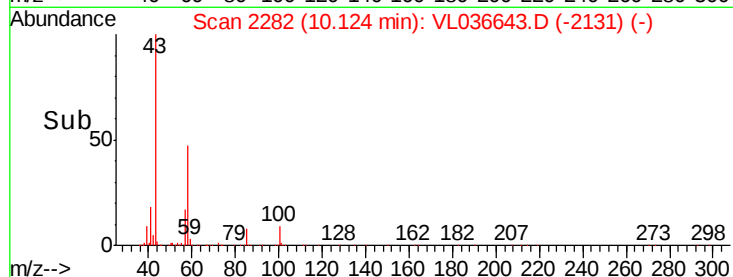
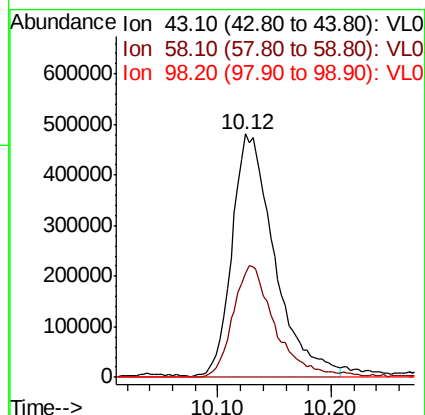
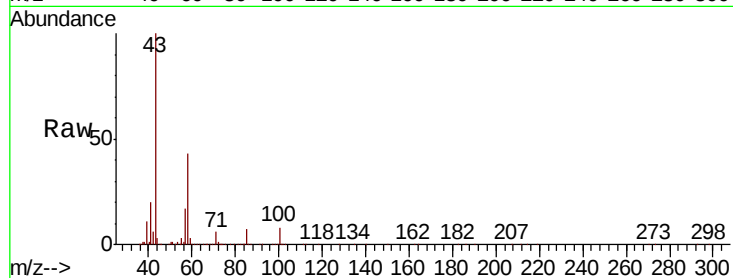




#51
2-Hexanone
Concen: 9.860 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

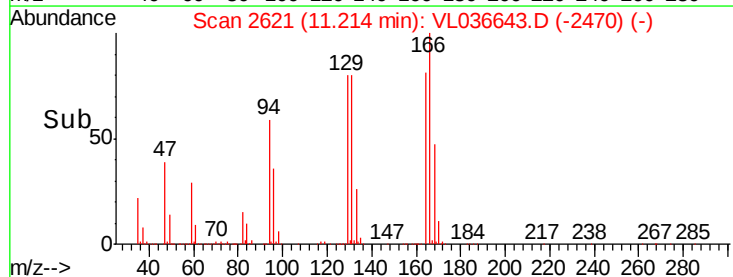
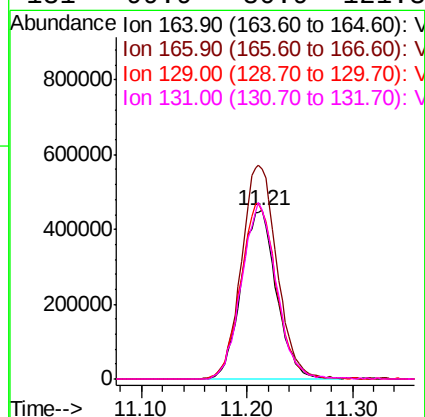
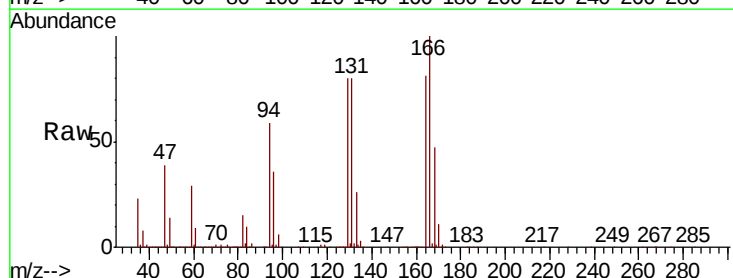
Instrument :
MSVOA_L
ClientSampleId :

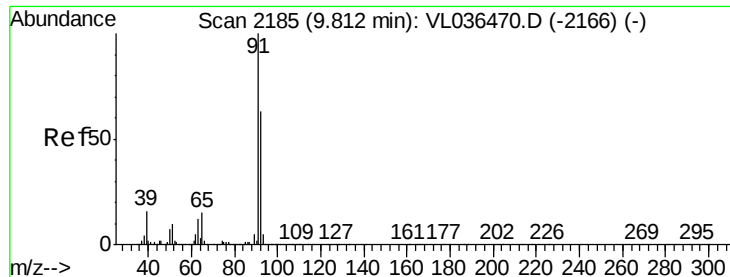
Tot Ion: 43 Resp: 1252043
Ion Ratio Lower Upper
43 100
58 46.7 37.7 56.5
98 0.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.666 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 164 Resp: 1048550
Ion Ratio Lower Upper
164 100
166 124.2 98.3 147.5
129 99.4 85.8 128.8
131 99.9 80.9 121.3





#53

Toluene

Concen: 9.053 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

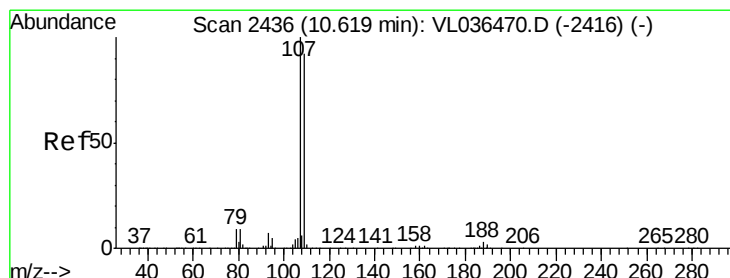
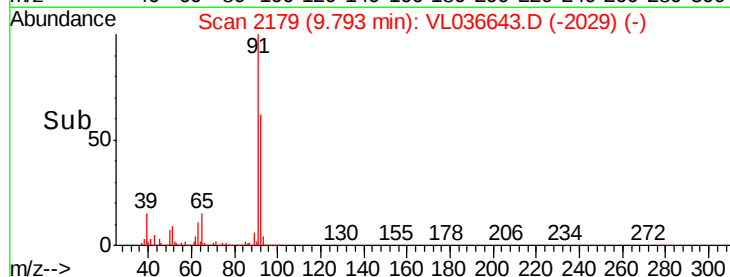
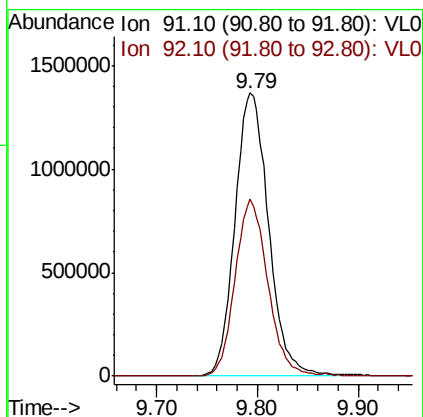
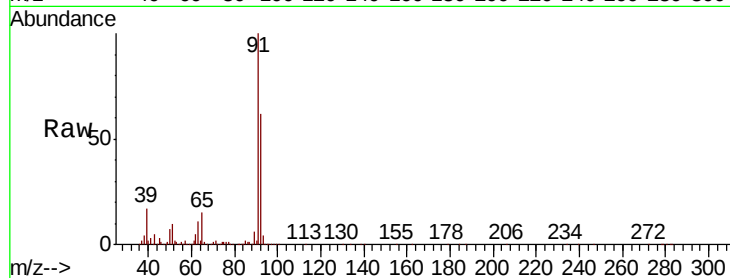
ClientSampleId :

Tot Ion: 91 Resp: 3167626

Ion Ratio Lower Upper

91 100

92 61.1 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.399 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL036643.D

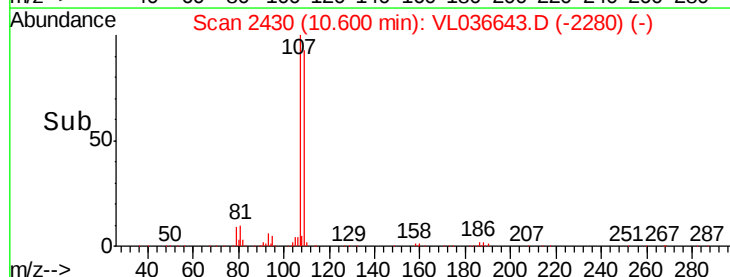
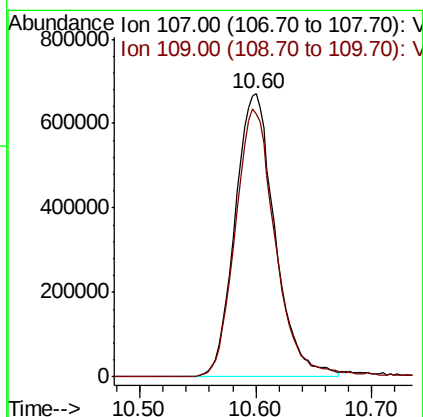
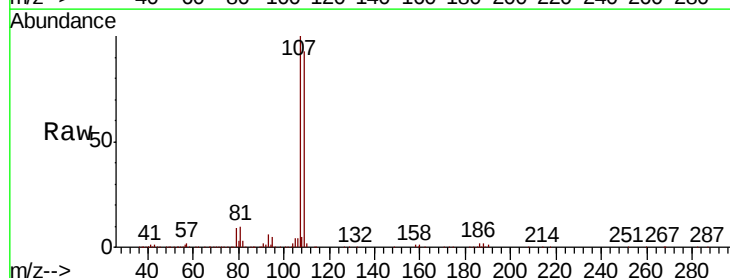
Acq: 2 Apr 2021 13:34

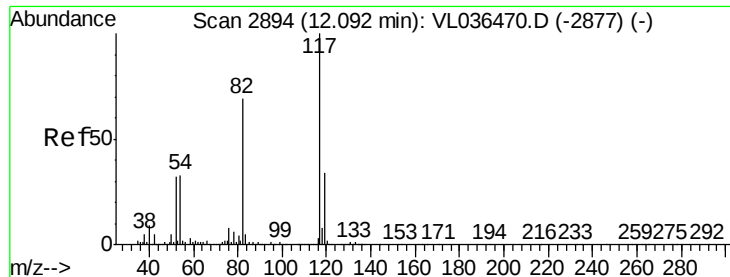
Tgt Ion: 107 Resp: 1601303

Ion Ratio Lower Upper

107 100

109 92.8 73.9 110.9

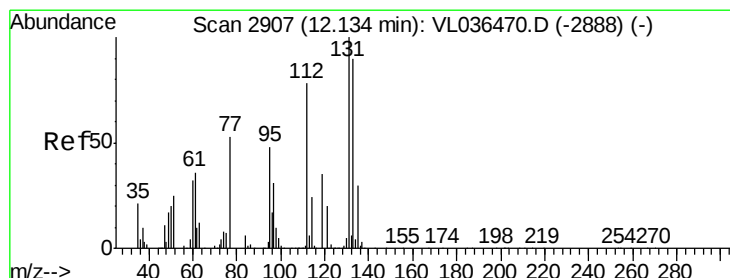
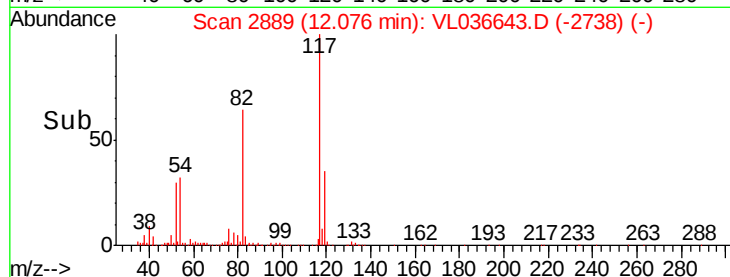
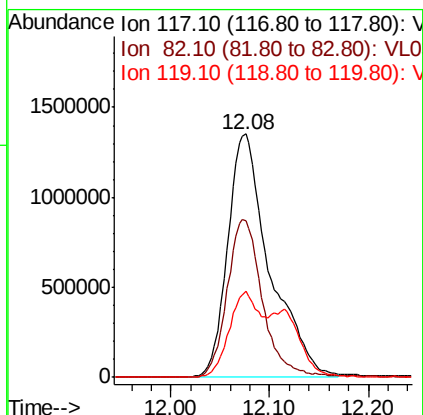
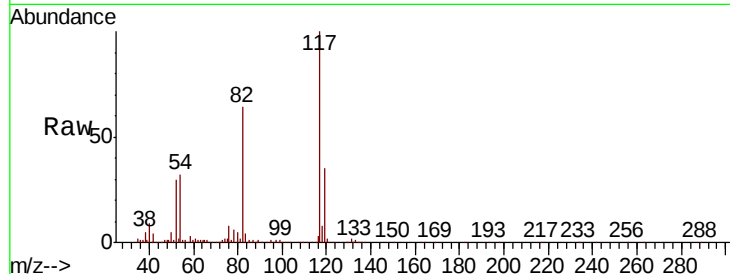




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

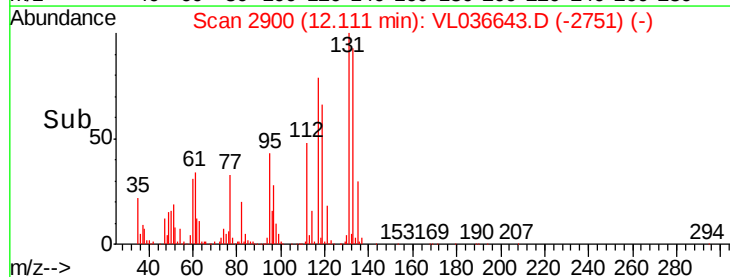
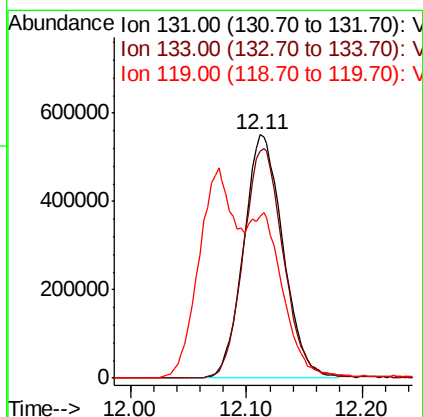
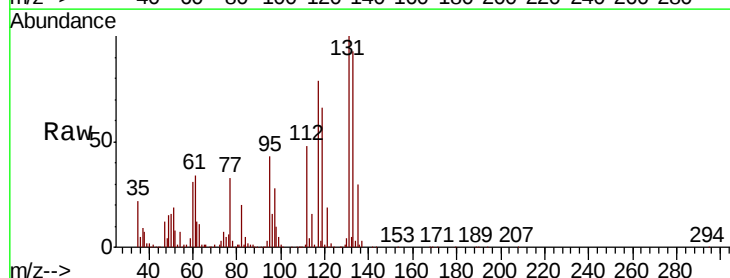
Instrument :
MSVOA_L
ClientSampleId :

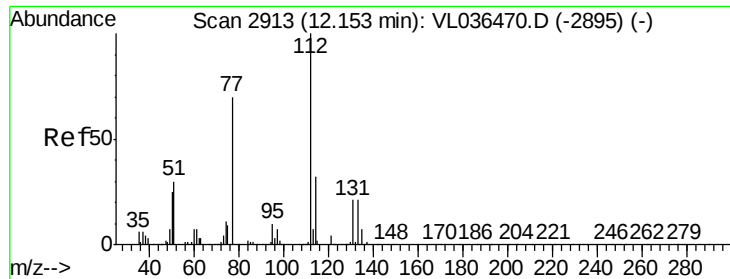
Tot Ion:117 Resp: 4015622
Ion Ratio Lower Upper
117 100
82 55.6 57.4 86.0#
119 47.1 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.174 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion:131 Resp: 1303084
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 144.3 48.7 73.1#

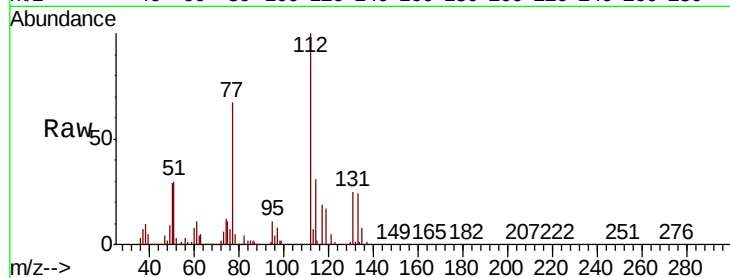




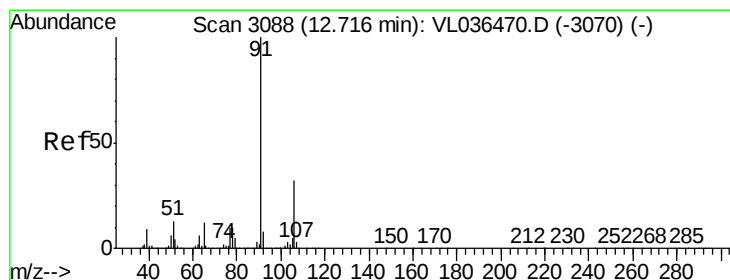
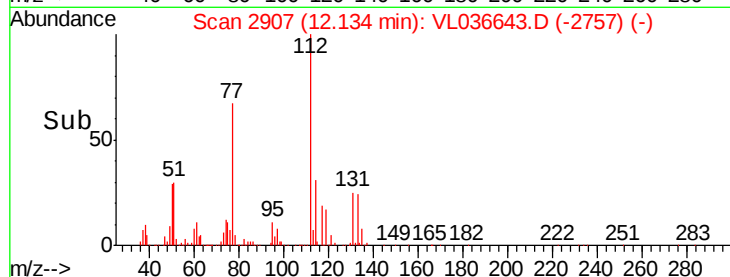
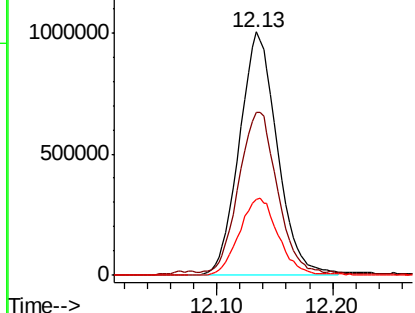
#57
Chlorobenzene
Concen: 6.693 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 2286878
Ion Ratio Lower Upper
112 100
77 65.7 56.0 84.0
114 31.1 29.0 35.4

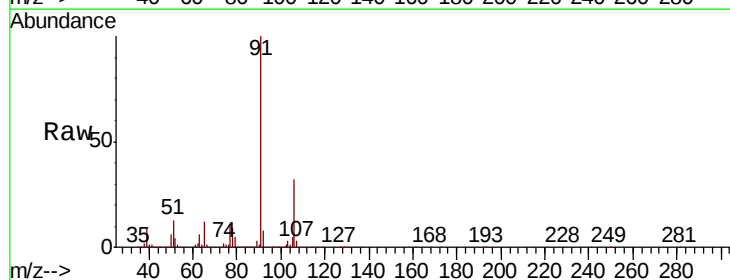


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

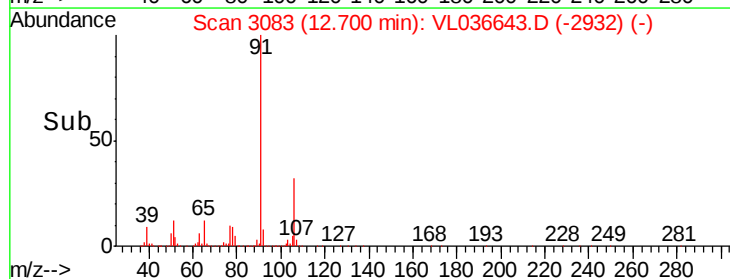
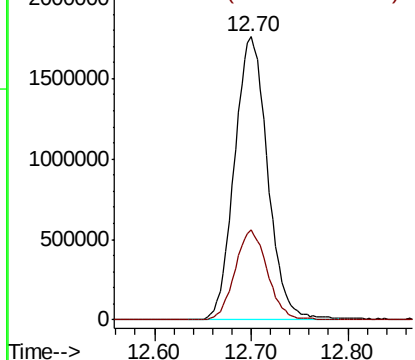


#58
Ethyl Benzene
Concen: 7.189 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 91 Resp: 4200060
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

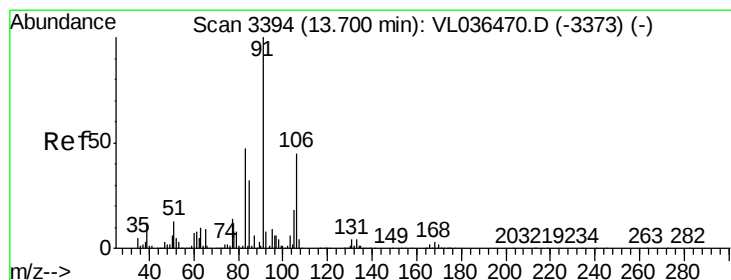
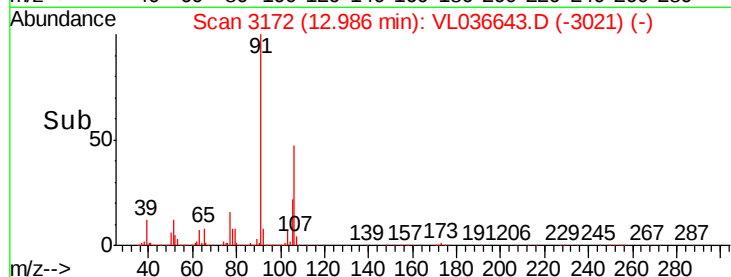
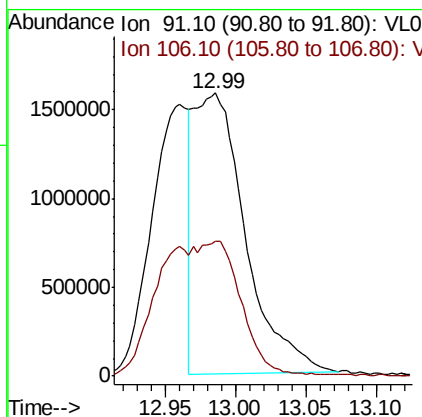
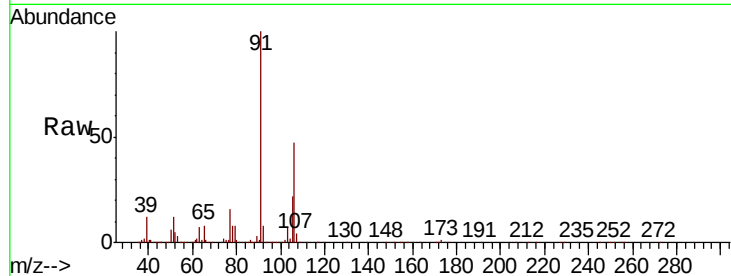




#59
m/p-Xylene
Concen: 7.799 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

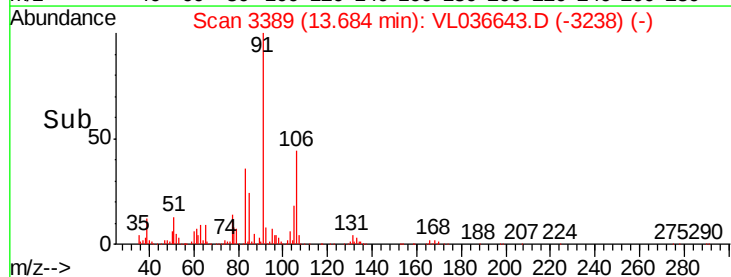
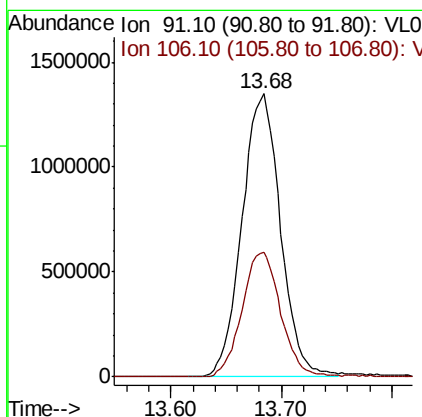
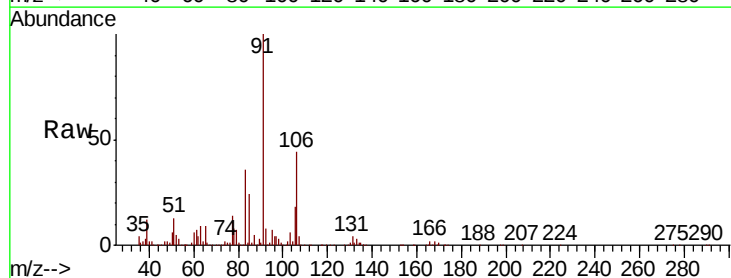
Instrument :
MSVOA_L
ClientSampled :

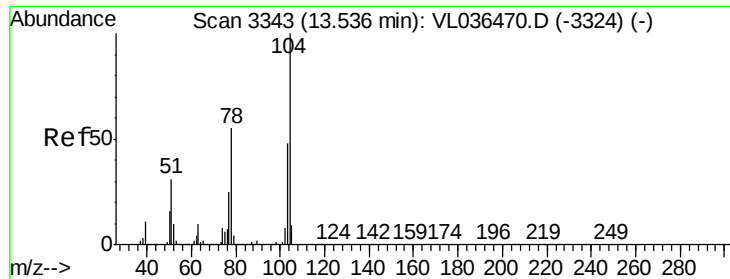
Tot Ion: 91 Resp: 3974360
Ion Ratio Lower Upper
91 100
106 78.0 35.3 52.9#



#60
o-Xylene
Concen: 6.606 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion: 91 Resp: 3254810
Ion Ratio Lower Upper
91 100
106 44.3 22.3 66.9

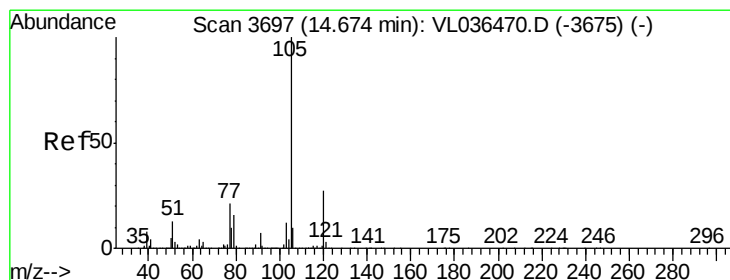
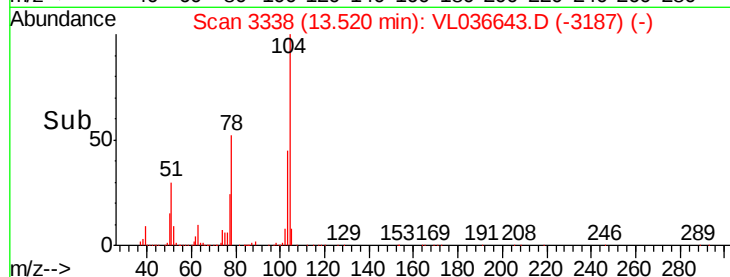
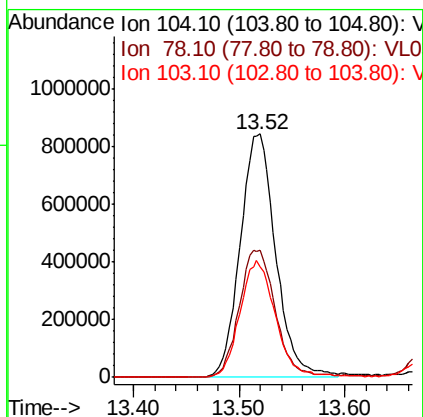
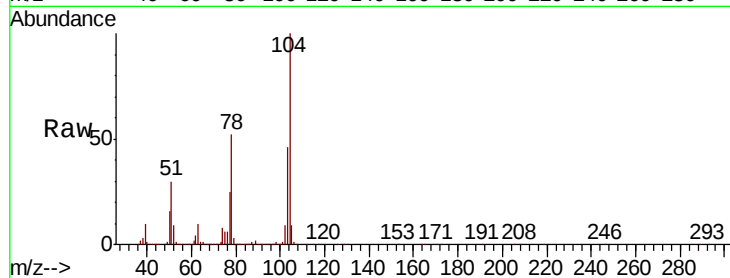




#61
Stvrene
Concen: 7.995 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

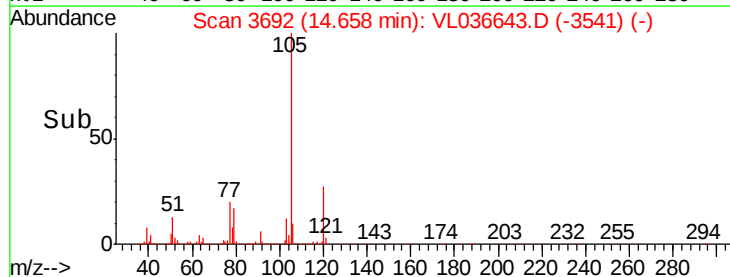
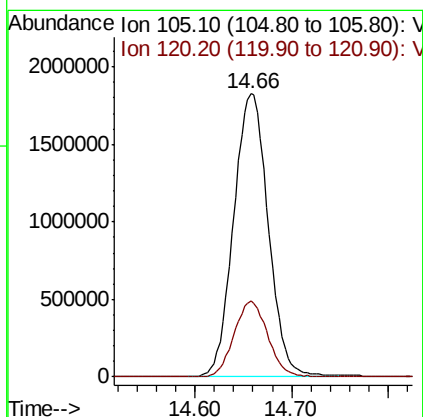
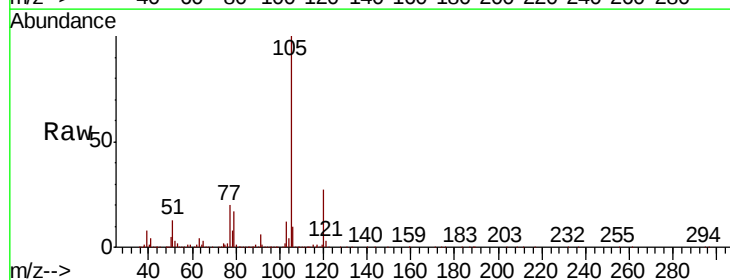
Instrument :
MSVOA_L
ClientSampleId :

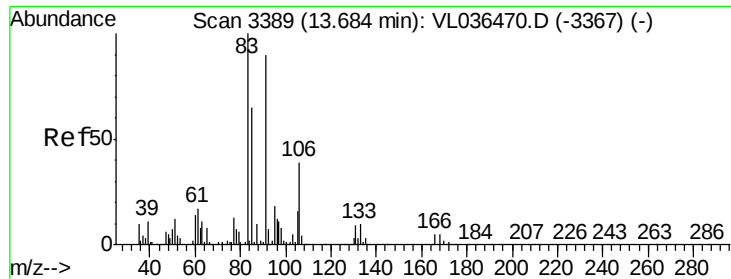
Tot Ion:104 Resp: 1981771
Ion Ratio Lower Upper
104 100
78 53.5 43.8 65.8
103 48.1 38.3 57.5



#62
Isopropylbenzene
Concen: 6.844 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036643.D
Acq: 2 Apr 2021 13:34

Tgt Ion:105 Resp: 4540879
Ion Ratio Lower Upper
105 100
120 26.1 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 5.690 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

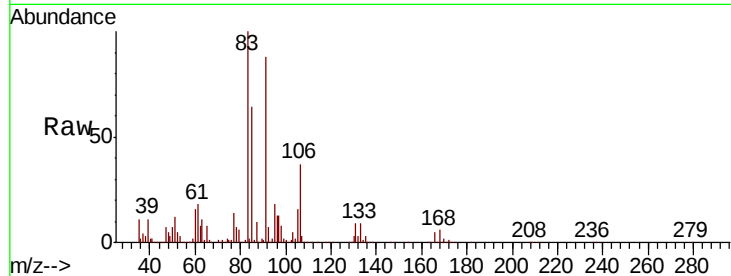
Tot Ion: 83 Resp: 2138433

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.7	14.0
85	65.9	33.1	99.3

83 100

131 10.2 4.7 14.0

85 65.9 33.1 99.3

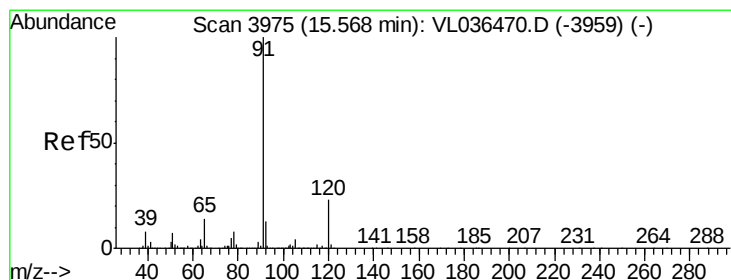
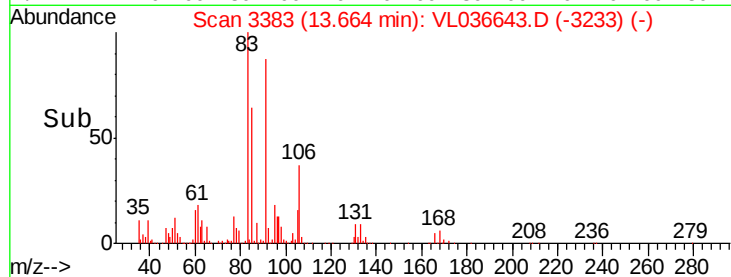
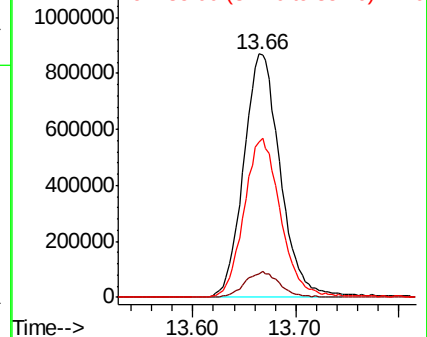


Abundance

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: 7.385 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.02 min

Lab File: VL036643.D

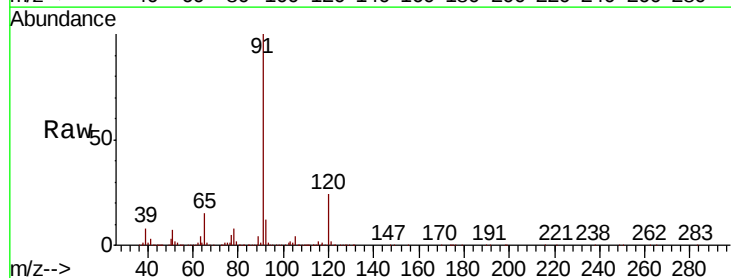
Acq: 2 Apr 2021 13:34

Tgt Ion:120 Resp: 1197927

Ion	Ratio	Lower	Upper
120	100		
91	447.1	377.4	566.2

120 100

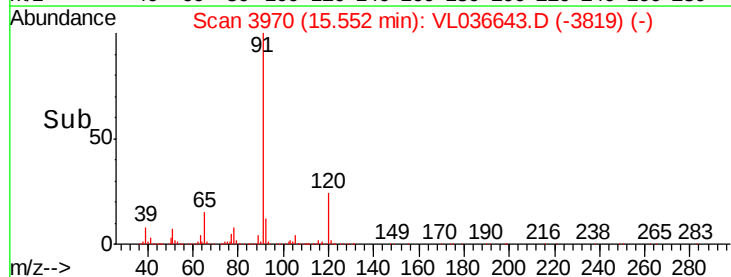
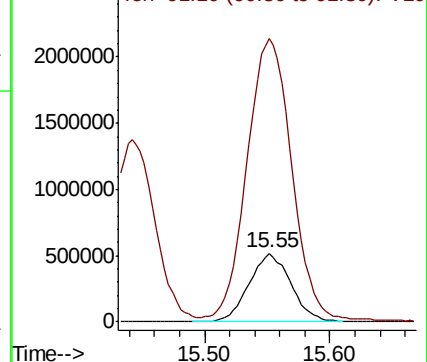
91 447.1 377.4 566.2

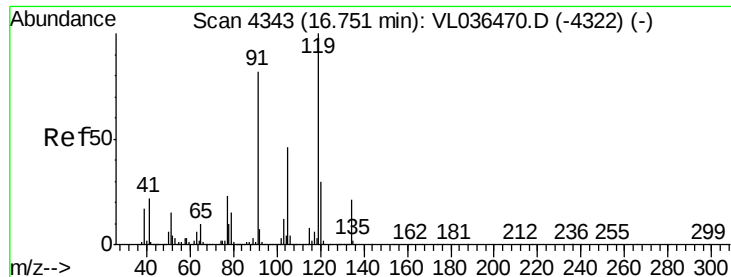


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.868 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

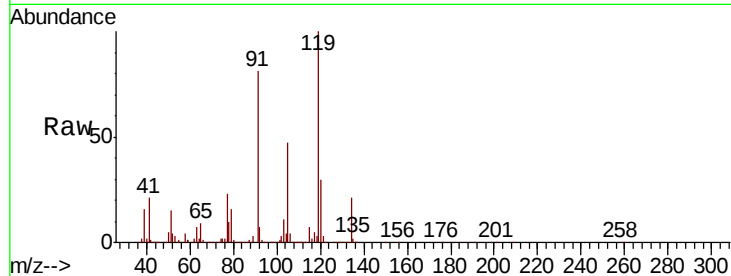
Tot Ion:119 Resp: 3951655

Ion Ratio Lower Upper

119 100

91 82.5 67.5 101.3

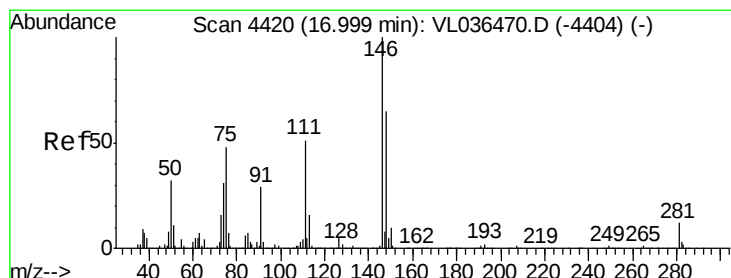
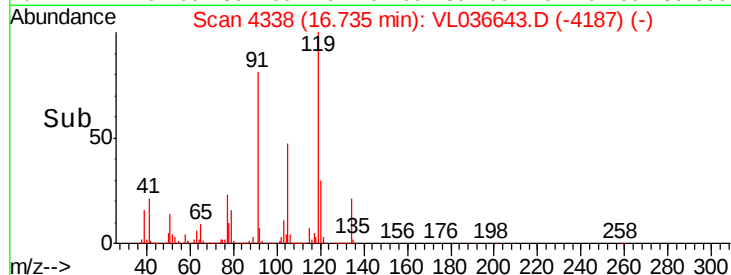
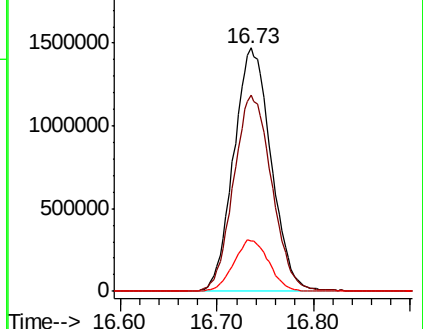
134 19.9 15.8 23.8



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: 9.037 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

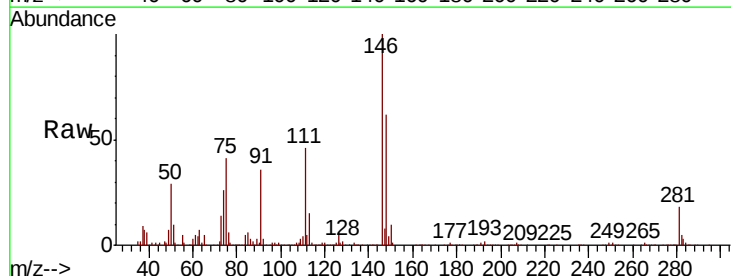
Tgt Ion: 91 Resp: 574712

Ion Ratio Lower Upper

91 100

126 18.9 13.5 20.3

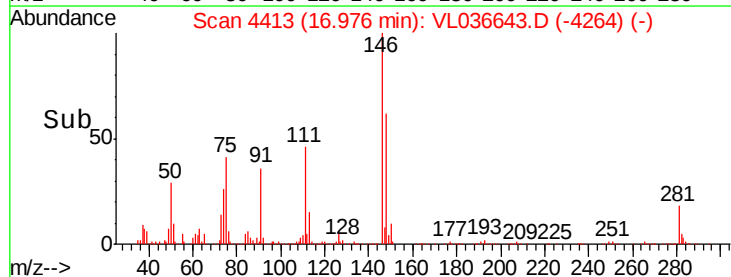
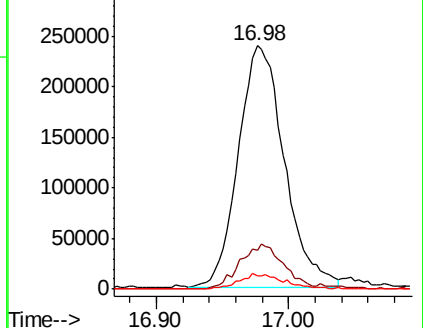
128 6.4 4.2 6.4#

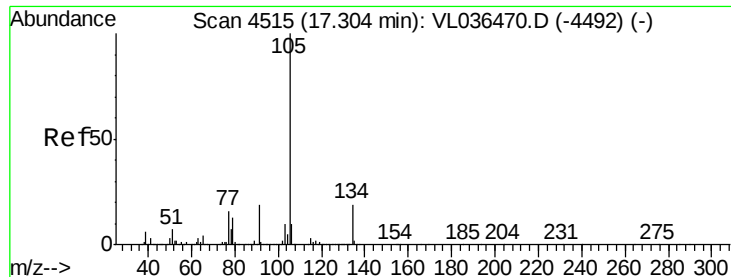


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.666 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

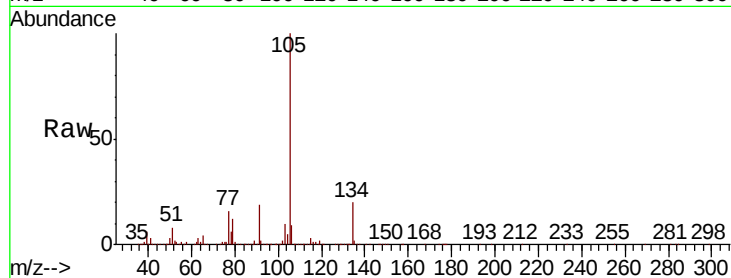
ClientSampleId :

Tot Ion:105 Resp: 5413286

Ion Ratio Lower Upper

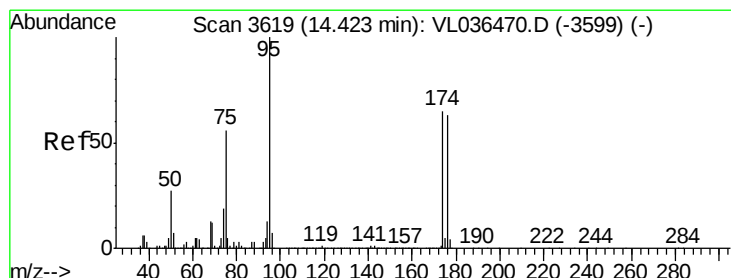
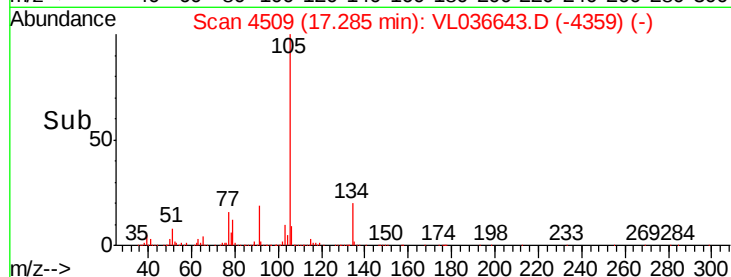
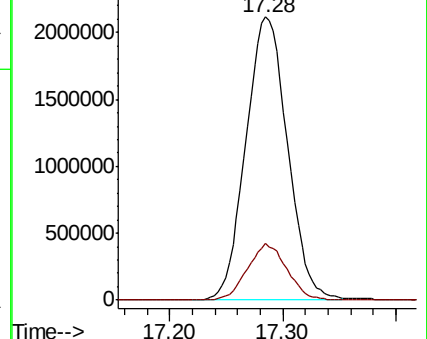
105 100

134 19.0 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.260 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

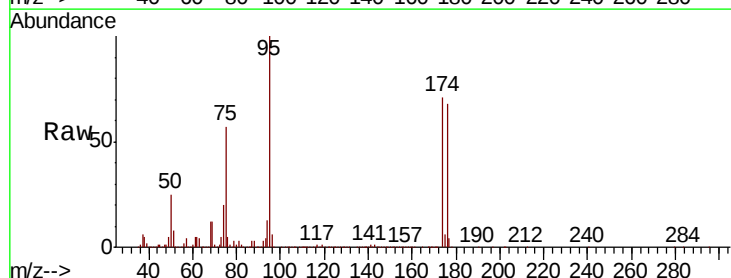
Tgt Ion: 95 Resp: 2643645

Ion Ratio Lower Upper

95 100

174 71.1 51.0 76.6

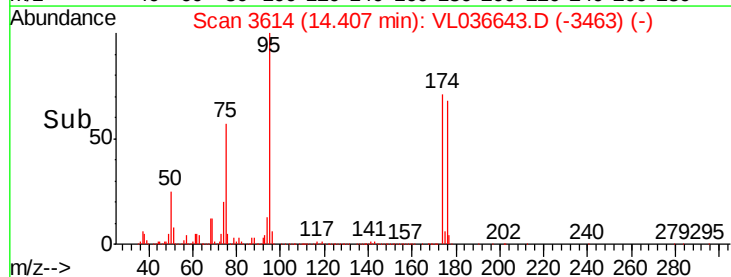
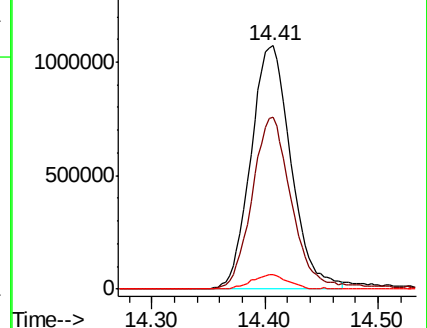
175 5.6 3.9 5.9

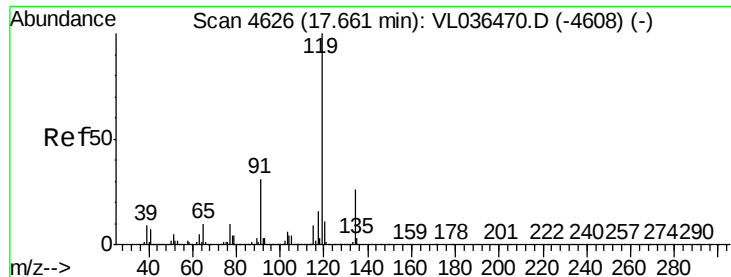


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



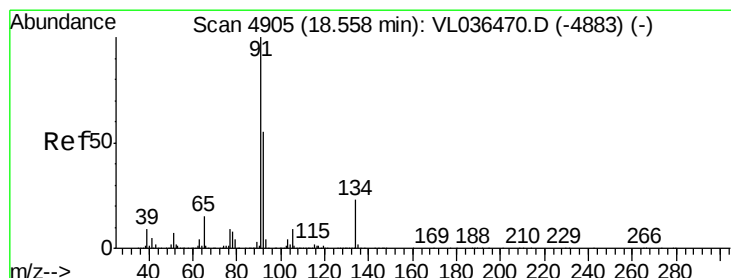
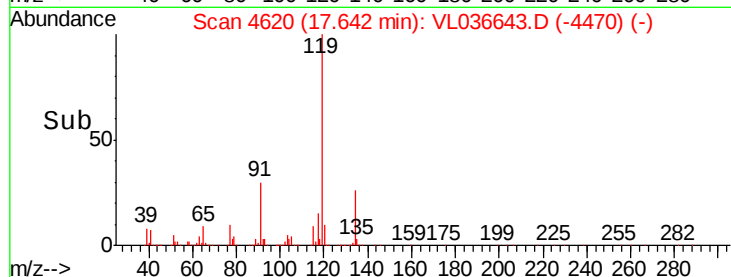
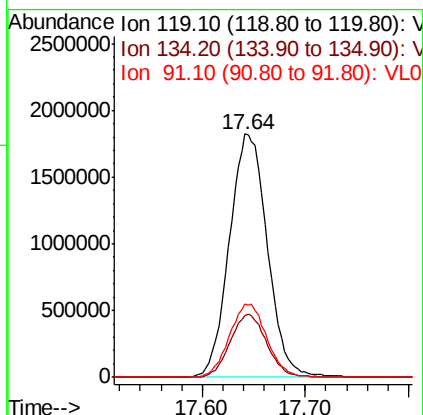
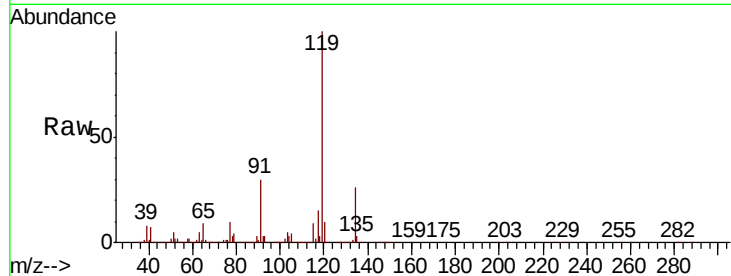


#69
 p-Isopropyltoluene
 Concen: 7.337 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 4653050

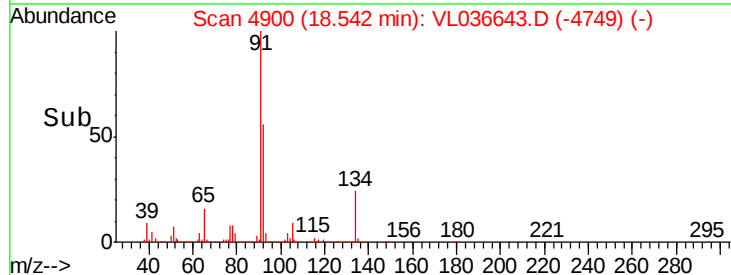
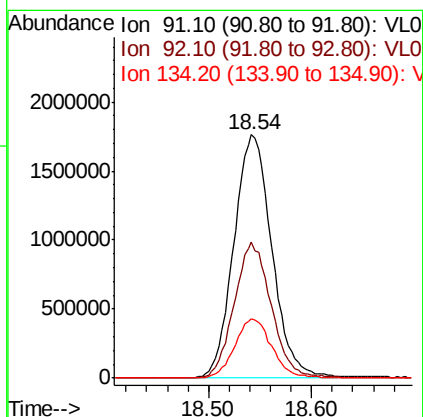
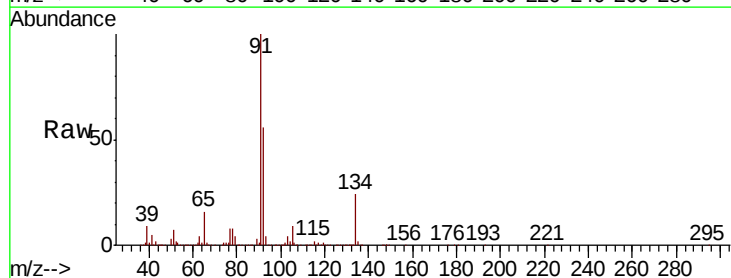
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	29.7	25.0	37.6

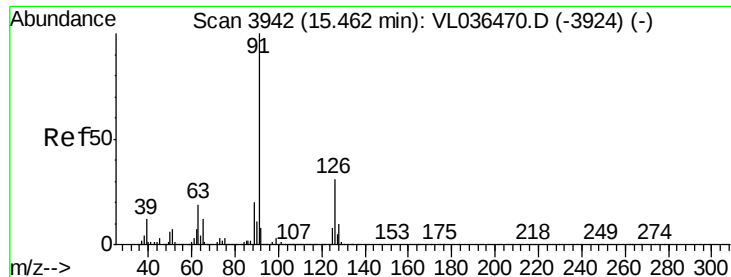


#70
 n-Butylbenzene
 Concen: 6.875 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion: 91 Resp: 4520564

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.8
134	23.8	18.0	27.0





#71

2-Chlorotoluene

Concen: 6.679 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

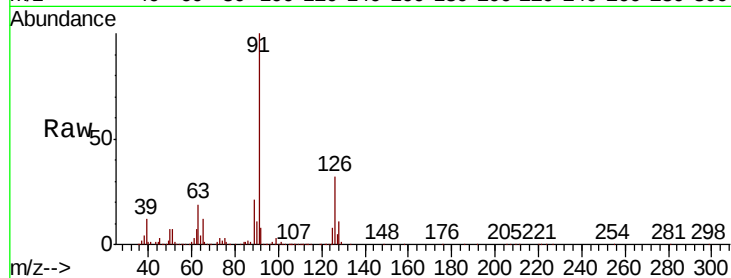
ClientSampleId :

Tot Ion: 91 Resp: 3320793

Ion Ratio Lower Upper

91 100

126 31.5 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2500000

2000000

1500000

1000000

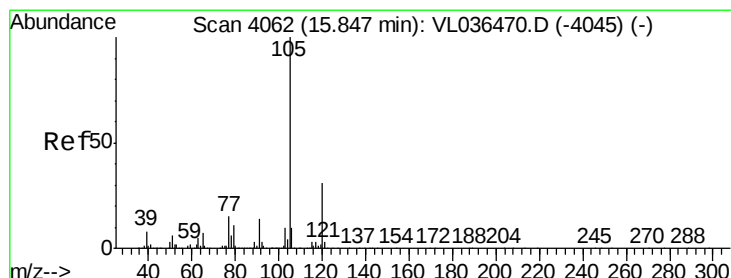
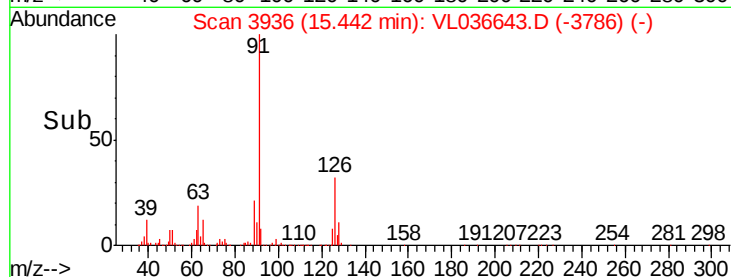
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.030 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion:105 Resp: 3795533

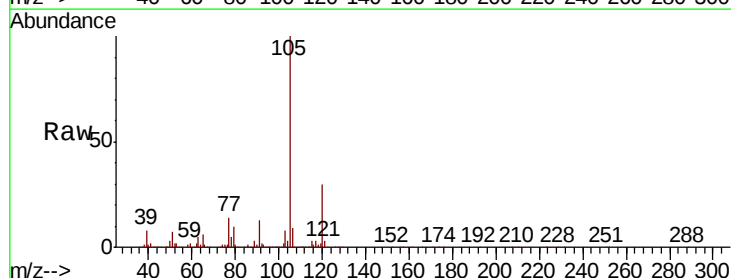
Ion Ratio Lower Upper

105 100

120 30.4 24.0 36.0

91 13.3 11.0 16.4

77 14.4 11.7 17.5



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

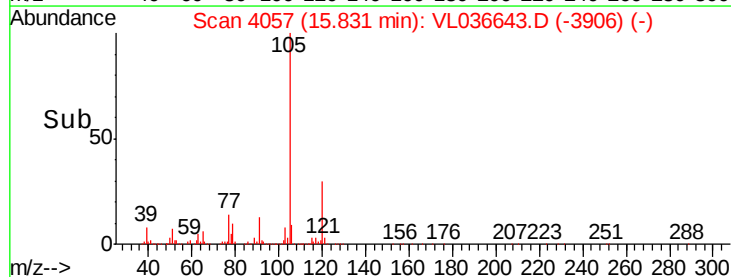
500000

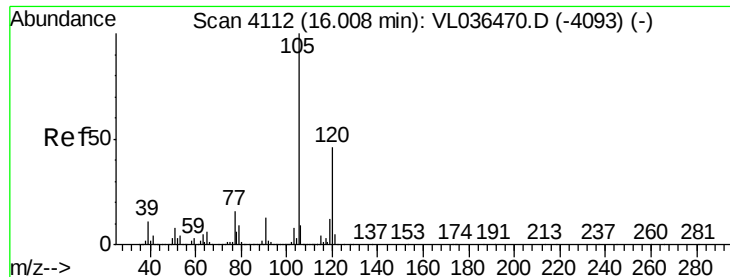
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 6.927 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

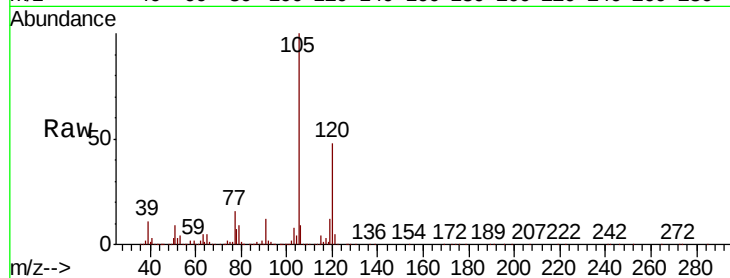
ClientSampleId :

Tot Ion:105 Resp: 3490328

Ion Ratio Lower Upper

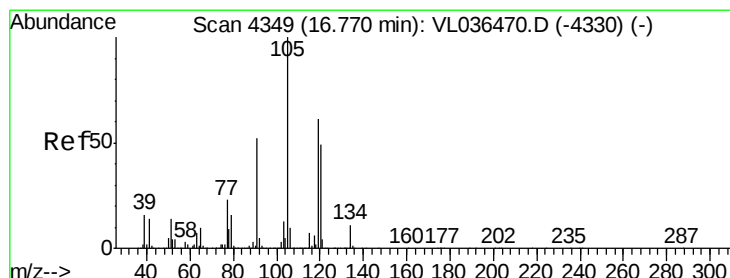
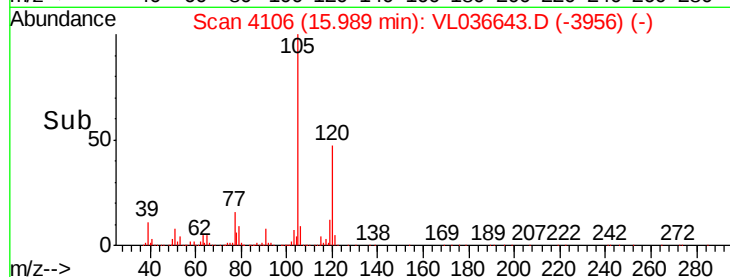
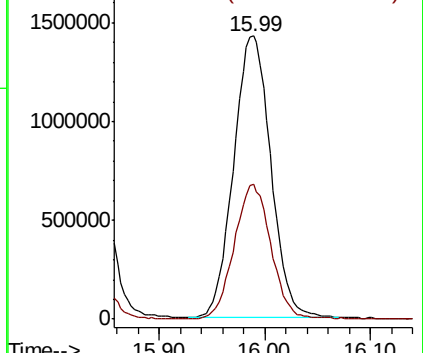
105 100

120 47.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.572 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion:105 Resp: 3543824

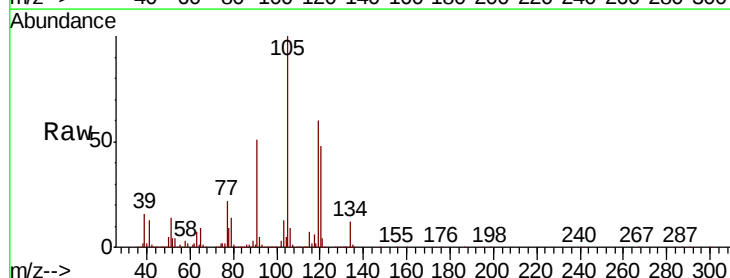
Ion Ratio Lower Upper

105 100

120 48.3 39.2 58.8

91 50.6 42.6 64.0

77 22.4 18.6 28.0

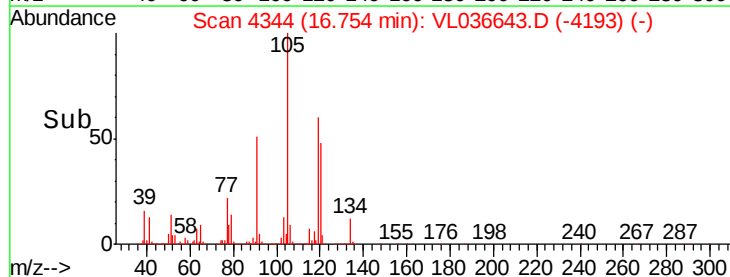
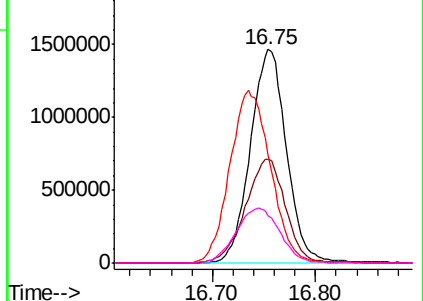


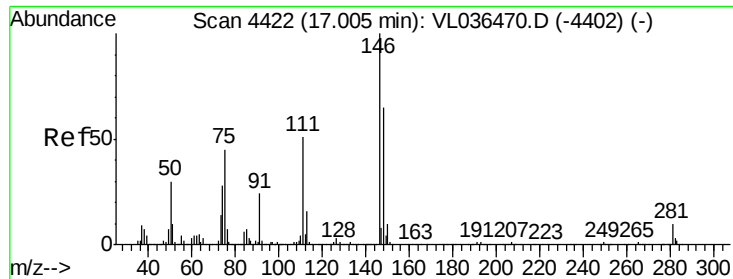
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 6.877 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

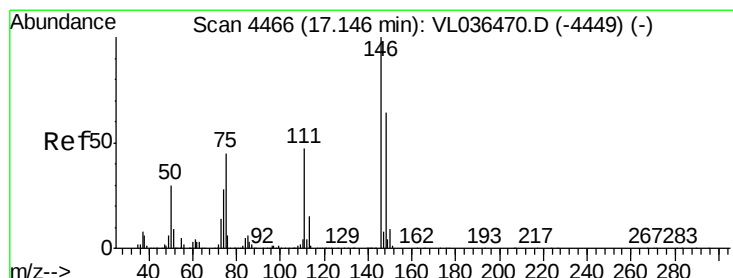
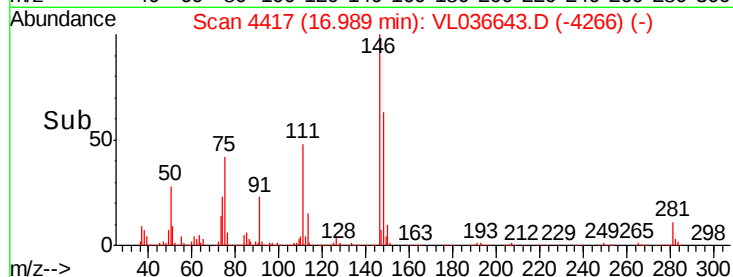
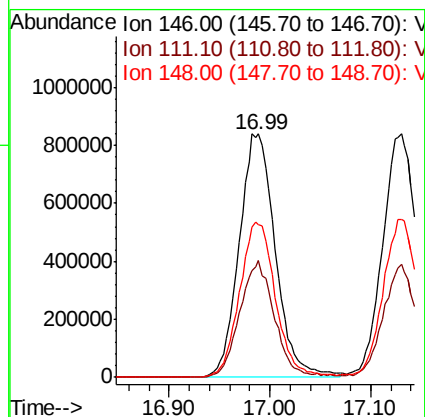
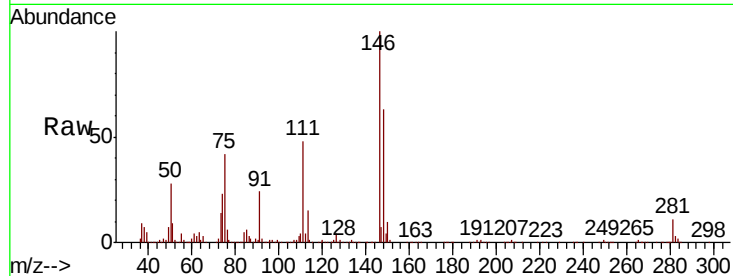
Tot Ion:146 Resp: 2087406

Ion Ratio Lower Upper

146 100

111 45.8 24.5 73.5

148 63.6 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 6.641 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

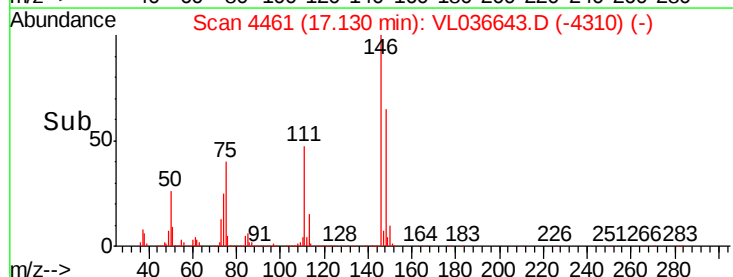
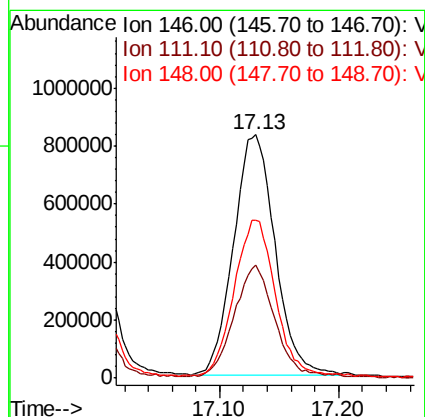
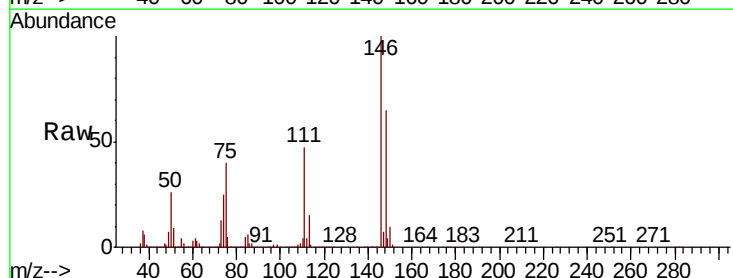
Tgt Ion:146 Resp: 2001379

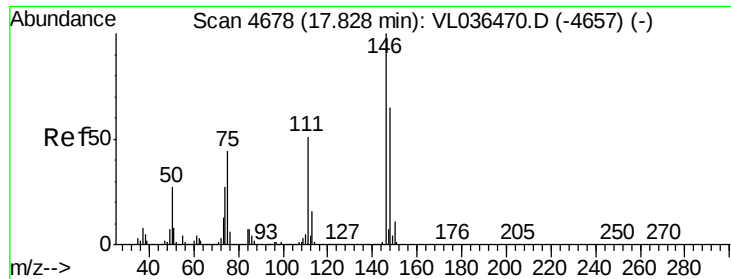
Ion Ratio Lower Upper

146 100

111 46.9 24.3 72.8

148 67.6 33.0 98.9

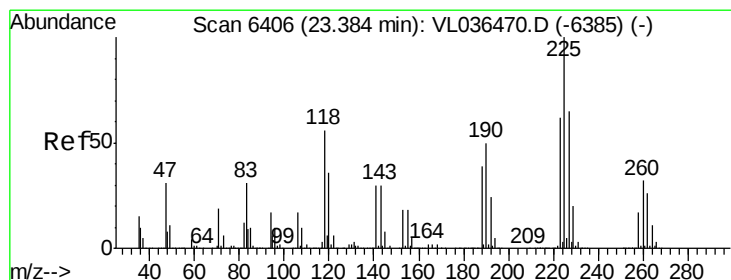
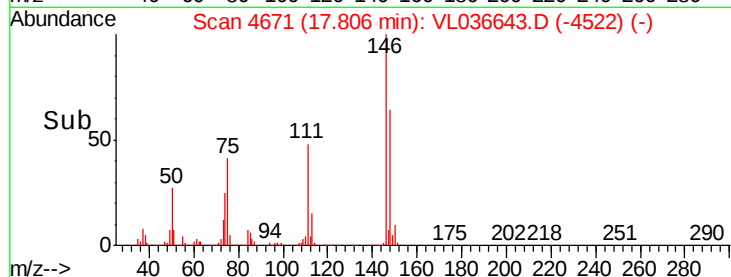
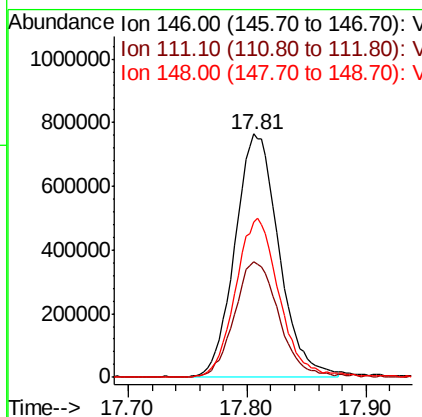
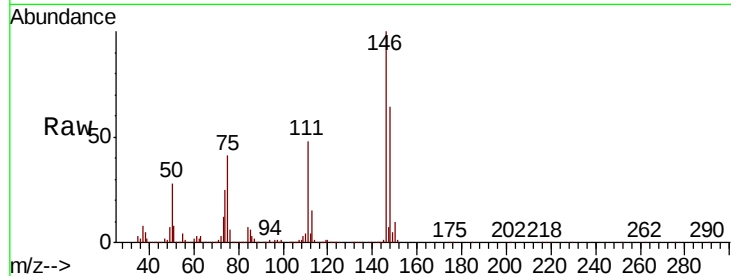




#77
 1,2-Dichlorobenzene
 Concen: 6.811 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

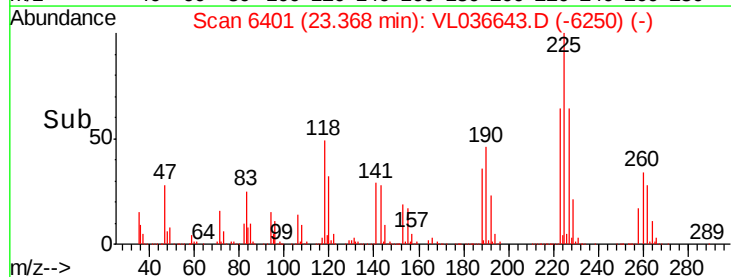
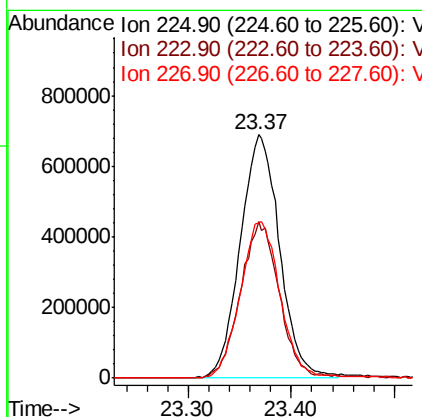
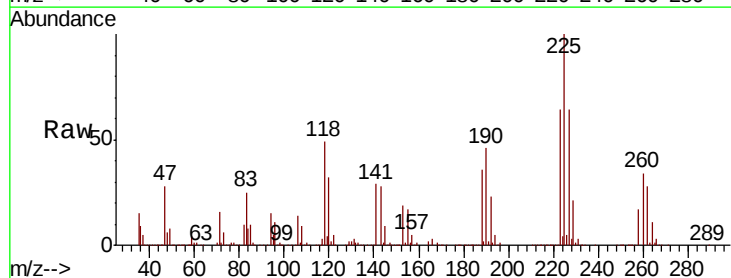
Instrument :
 MSVOA_L
 ClientSampled :

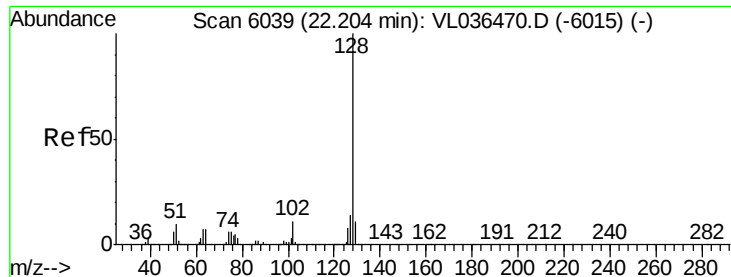
Tot Ion:146 Resp: 1943245
 Ion Ratio Lower Upper
 146 100
 111 48.6 25.5 76.5
 148 65.4 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.139 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.02 min
 Lab File: VL036643.D
 Acq: 2 Apr 2021 13:34

Tgt Ion:225 Resp: 1824036
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.6 75.8
 227 65.9 52.2 78.2





#79

Naphthalene

Concen: 9.549 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

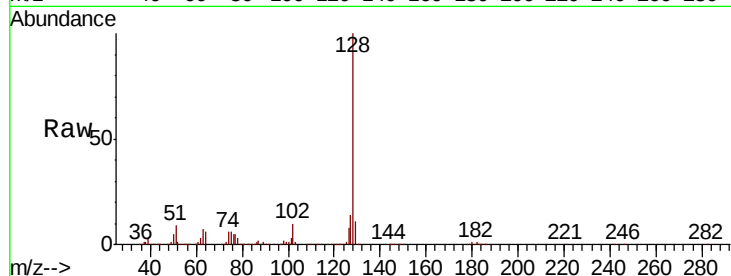
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3004751

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	10.6	9.0	13.4

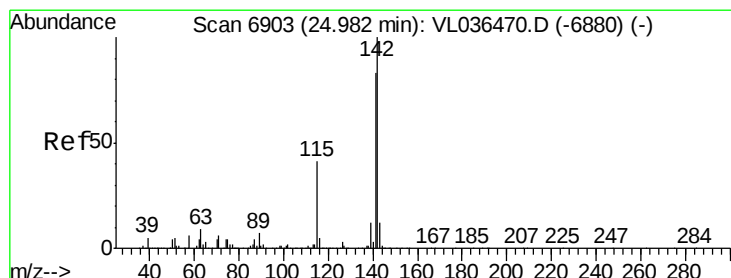
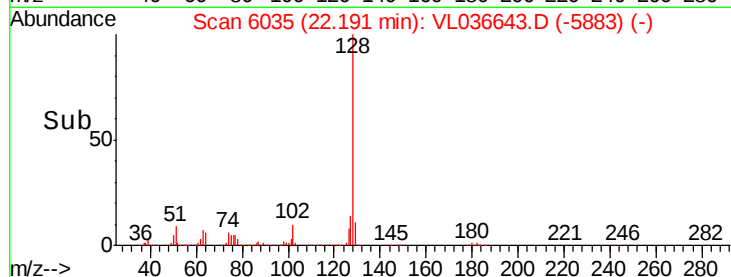
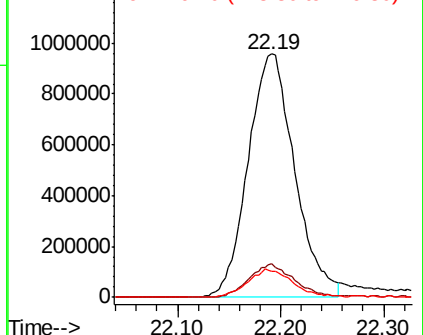


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.800 ppbv

RT: 24.98 min Scan# 6901

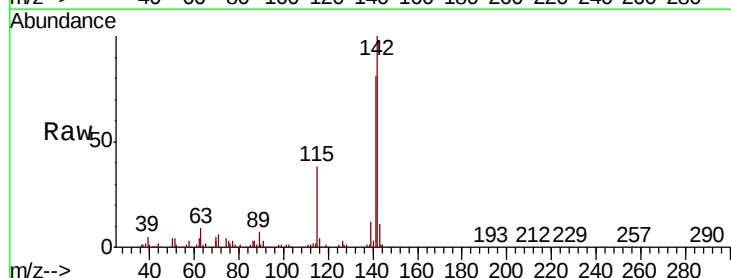
Delta R.T. -0.01 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Tgt Ion:142 Resp: 483973

Ion	Ratio	Lower	Upper
142	100		
141	87.4	67.8	101.8
115	43.1	34.0	51.0

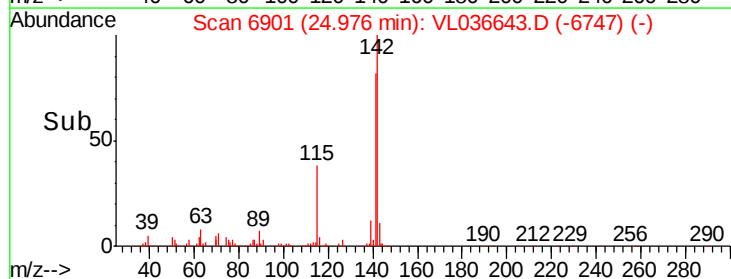
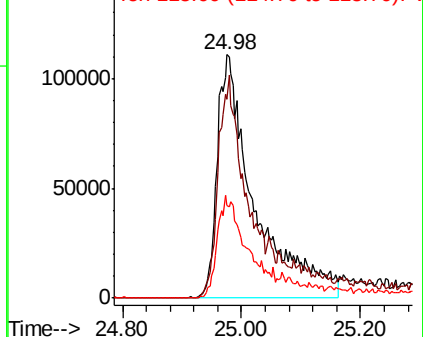


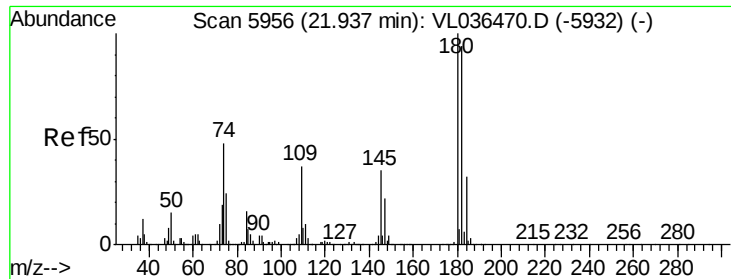
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.620 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. -0.02 min

Lab File: VL036643.D

Acq: 2 Apr 2021 13:34

Instrument :

MSVOA_L

ClientSampleId :

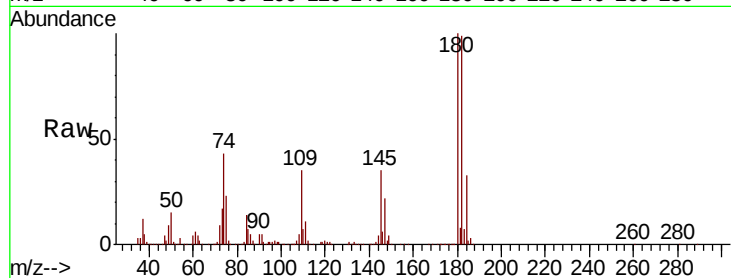
Tot Ion:180 Resp: 1674644

Ion Ratio Lower Upper

180 100

182 104.1 80.8 121.2

184 33.4 25.0 37.4



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

