

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036625.D
 Acq On : 1 Apr 2021 6:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 08:50:50 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	5.68	49	1518799	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3753139	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	4266510	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2839302	8.35	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	2379492	9.606	ppbv 98
3) Chlorodifluoromethane	3.00	51	2667662	9.401	ppbv 99
4) Chloromethane	3.15	50	921395	9.193	ppbv 99
5) Vinyl Chloride	3.27	62	914833	8.877	ppbv 100
6) Bromomethane	3.48	94	483184	8.515	ppbv 99
7) Chloroethane	3.56	64	301895	8.525	ppbv 95
8) Dichlorotetrafluoroethane	3.20	85	2151044	9.098	ppbv 98
9) Propene	3.02	41	897060	9.916	ppbv 97
10) Heptane	8.14	43	2285039	9.915	ppbv 99
11) Trichlorofluoromethane	3.96	101	2162802	8.567	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1458619	9.037	ppbv 98
13) Ethanol	3.62	45	76227	7.076	ppbv 98
14) Bromoethene	3.75	108	621698	9.265	ppbv 98
15) Acetone	3.86	43	1232081	8.242	ppbv 100
16) 1,3-Butadiene	3.33	39	923116	8.870	ppbv 95
17) tert-Butyl alcohol	4.31	59	1098840	8.444	ppbv 97
18) 1,1-Dichloroethene	4.30	96	620630	8.644	ppbv 98
19) Isopropyl Alcohol	3.98	45	607228	7.384	ppbv 98
20) Methylene Chloride	4.35	84	547507	7.823	ppbv 97
21) Allyl Chloride	4.42	41	1084168	9.098	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	585917	8.803	ppbv 85
23) Vinyl Acetate	5.09	43	2554765	9.991	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1739181	9.331	ppbv 99
25) Ethyl Acetate	5.69	43	3443559	9.689	ppbv 99
26) Hexane	5.70	57	1624832	9.852	ppbv 99
27) Carbon Disulfide	4.56	76	1561889	9.614	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1904814	9.794	ppbv 99
29) Chloroform	5.76	83	2565989	9.729	ppbv 95
30) Cyclohexane	7.15	84	1315956	9.839	ppbv 96
31) cis-1,2-Dichloroethene	5.56	61	1608838	10.086	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2566513	9.655	ppbv 99
34) 2-Butanone	5.26	43	1732925	9.459	ppbv 98
35) Carbon Tetrachloride	7.03	117	2698983	9.363	ppbv 99
36) Benzene	6.91	78	3369755	9.735	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1955837	9.600	ppbv 100
38) Trichloroethene	7.85	130	1196042	8.879	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1333663	9.498	ppbv 100
40) 1,4-Dioxane	7.86	88	254213	7.779	ppbv # 1
41) Tetrahydrofuran	6.07	42	818745	9.693	ppbv 98
42) Bromodichloromethane	7.81	83	2803995	10.119	ppbv 98
43) Methyl Methacrylate	8.03	69	1231415	10.594	ppbv 96

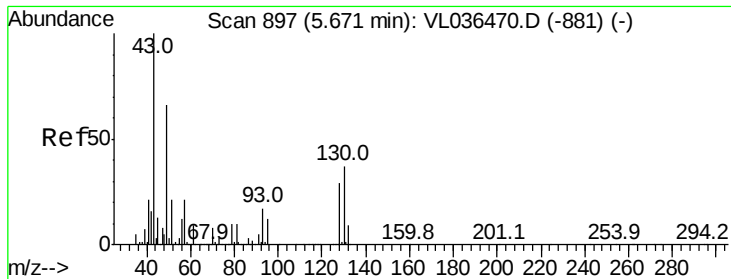
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5645051	9.266	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1360978	10.254	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1696265	9.998	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1332598	9.370	ppbv	97
48) Dibromochloromethane	10.32	129	2168761	10.003	ppbv	99
49) Bromoform	13.06	173	1690588	9.678	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2668526	10.067	ppbv	100
51) 2-Hexanone	10.16	43	1470243	10.991	ppbv #	99
52) Tetrachloroethene	11.24	164	1090266	8.554	ppbv	98
53) Toluene	9.83	91	3677702	9.977	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1889720	9.409	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1447639	7.502	ppbv	99
57) Chlorobenzene	12.17	112	2599993	7.162	ppbv	99
58) Ethyl Benzene	12.73	91	4821579	7.768	ppbv	99
59) m/p-Xylene	13.02	91	3625742	6.697	ppbv #	16
60) o-Xylene	13.72	91	3800986	7.261	ppbv	100
61) Styrene	13.55	104	2258787	8.577	ppbv	99
62) Isopropylbenzene	14.69	105	5128418	7.275	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2692419	6.742	ppbv	99
64) n-propylbenzene	15.58	120	1313141	7.619	ppbv	96
65) tert-Butylbenzene	16.77	119	4375840	7.158	ppbv	99
66) Benzyl Chloride	17.01	91	603602	8.933	ppbv	98
67) sec-Butylbenzene	17.31	105	6155774	7.134	ppbv	100
69) p-Isopropyltoluene	17.67	119	5077474	7.535	ppbv	100
70) n-Butylbenzene	18.57	91	5345131	7.651	ppbv	99
71) 2-Chlorotoluene	15.47	91	3911036	7.404	ppbv	99
72) 4-Ethyltoluene	15.86	105	4336057	7.559	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3980499	7.435	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4057796	7.083	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2220162	6.885	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2178468	6.804	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2173690	7.171	ppbv	98
78) Hexachloro-1,3-Butadiene	23.40	225	1838218	6.771	ppbv	98
79) Naphthalene	22.22	128	3297729	9.864	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	267965	4.065	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	1781773	8.632	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampled :

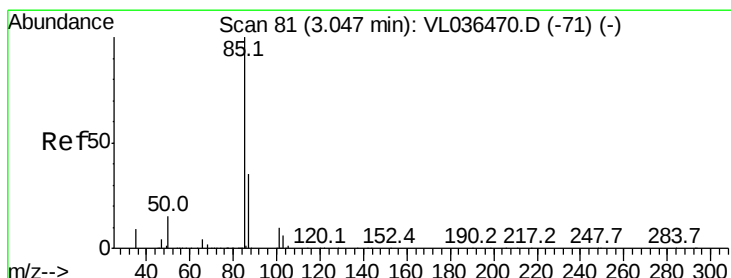
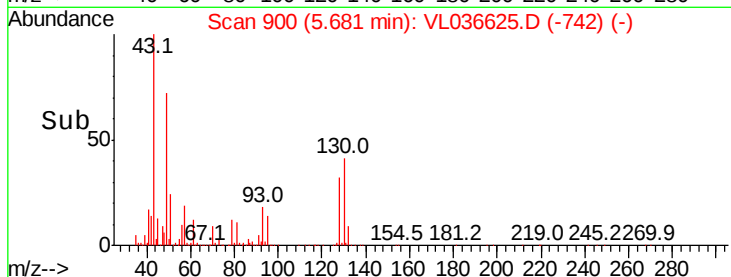
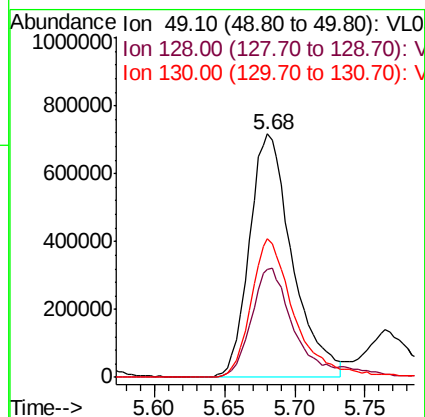
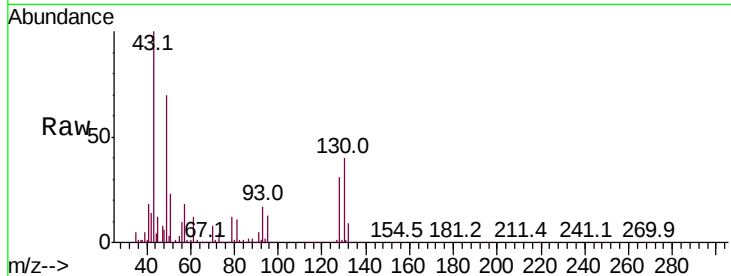
Tot Ion: 49 Resp: 1518799

Ion Ratio Lower Upper

49 100

128 47.3 23.5 70.6

130 58.4 29.1 87.4



#2

Dichlorodifluoromethane

Concen: 9.606 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL036625.D

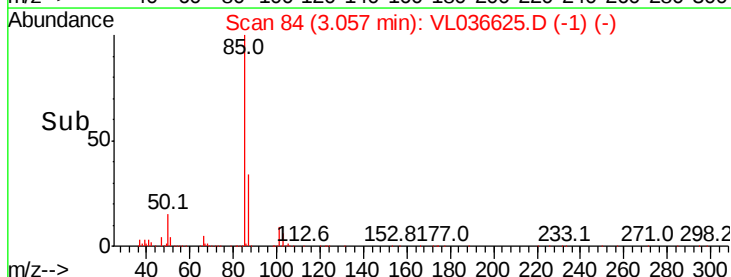
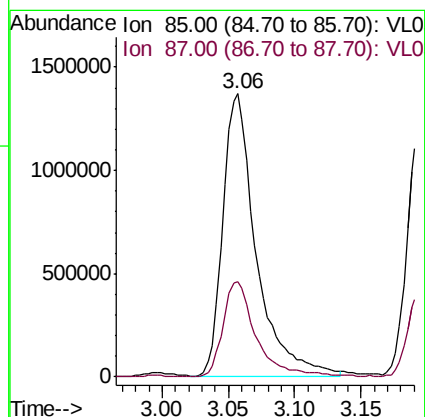
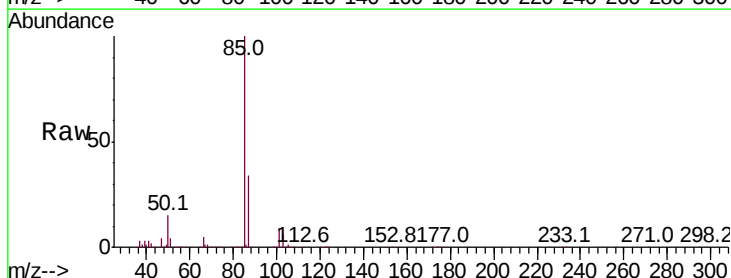
Acq: 1 Apr 2021 6:55

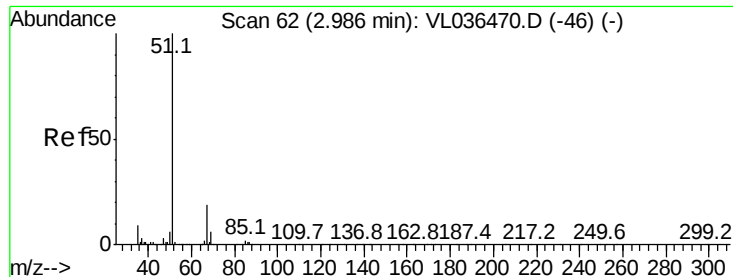
Tgt Ion: 85 Resp: 2379492

Ion Ratio Lower Upper

85 100

87 33.7 27.8 41.8

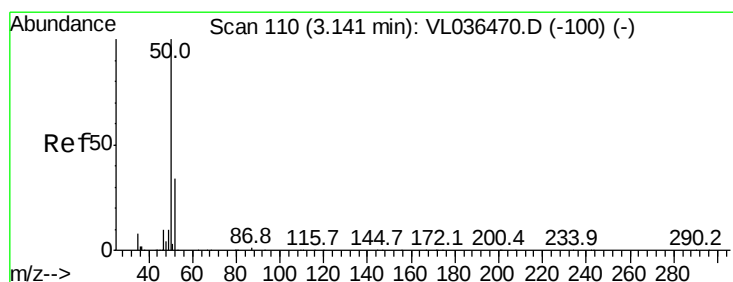
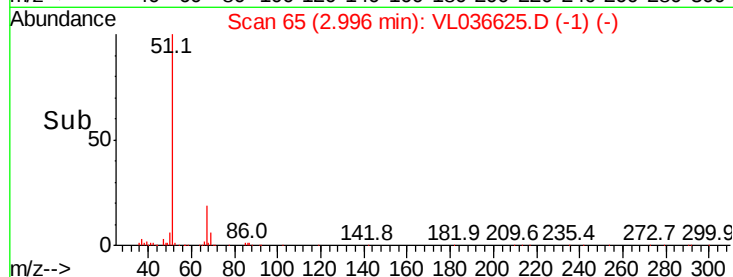
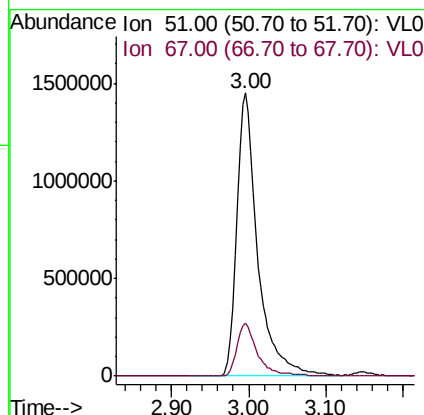
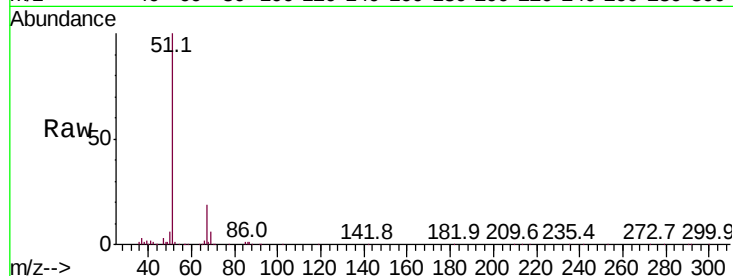




#3
 Chlorodifluoromethane
 Concen: 9.401 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

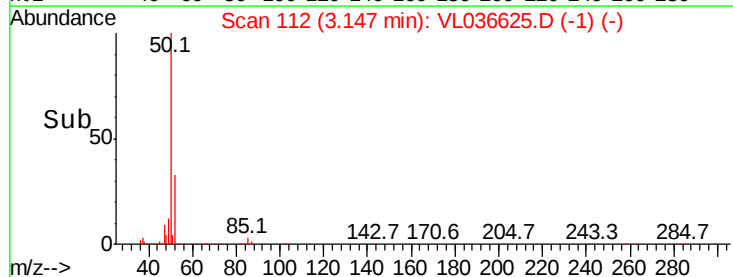
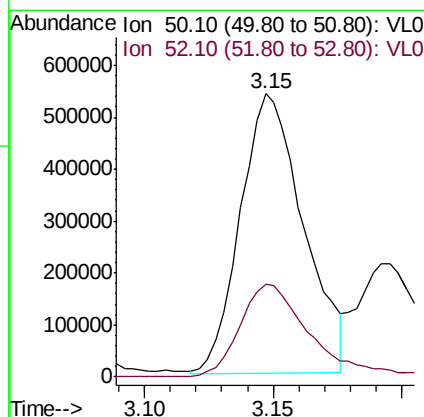
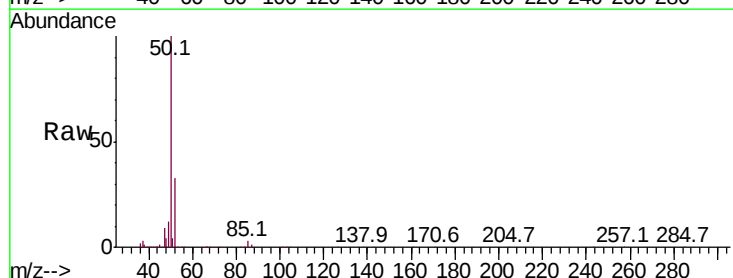
Instrument :
 MSVOA_L
 ClientSampleId :

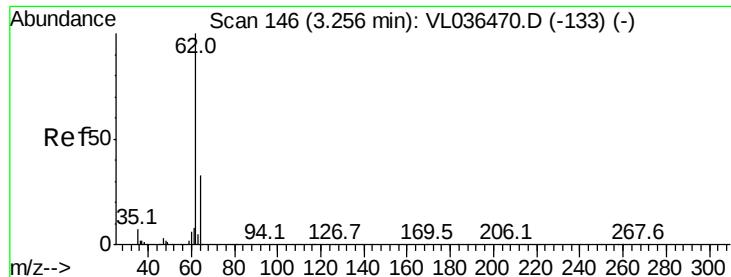
Tot Ion: 51 Resp: 2667662
 Ion Ratio Lower Upper
 51 100
 67 18.7 14.7 22.1



#4
 Chloromethane
 Concen: 9.193 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 50 Resp: 921395
 Ion Ratio Lower Upper
 50 100
 52 33.1 27.0 40.6





#5

Vinyl Chloride

Concen: 8.877 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

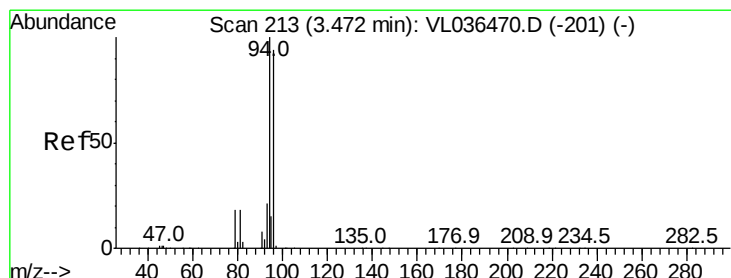
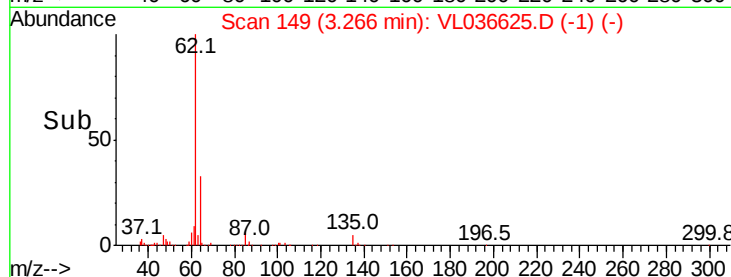
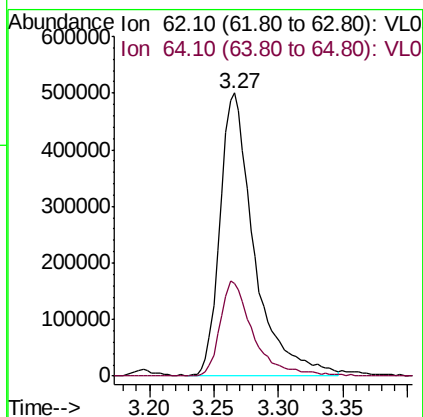
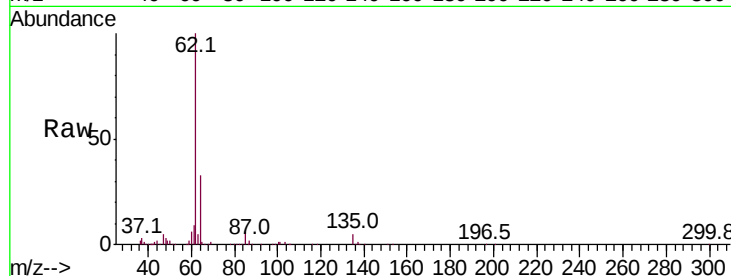
ClientSampleId :

Tot Ion: 62 Resp: 914833

Ion Ratio Lower Upper

62 100

64 33.0 26.4 39.6



#6

Bromomethane

Concen: 8.515 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036625.D

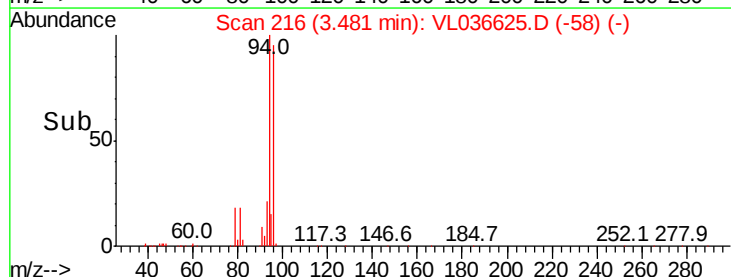
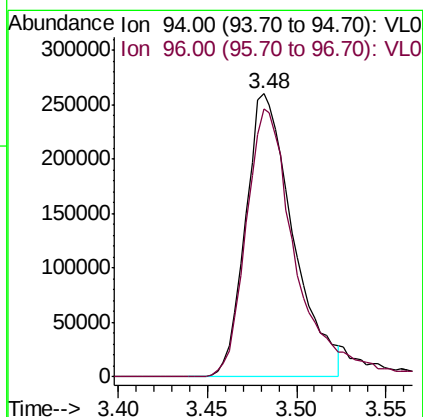
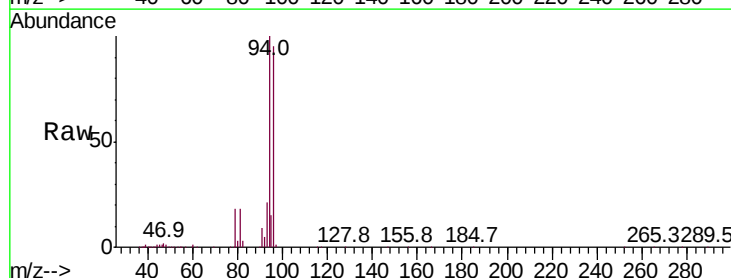
Acq: 1 Apr 2021 6:55

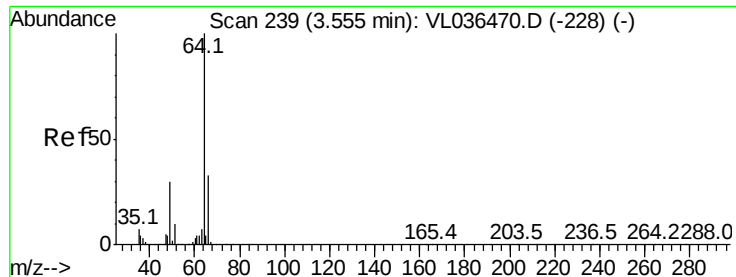
Tgt Ion: 94 Resp: 483184

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3





#7

Chloroethane

Concen: 8.525 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

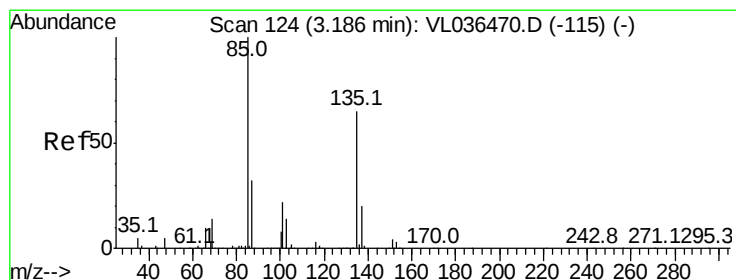
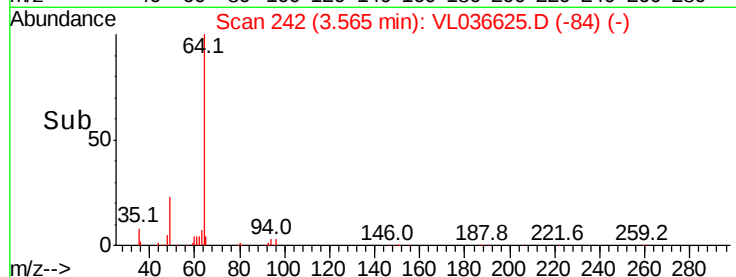
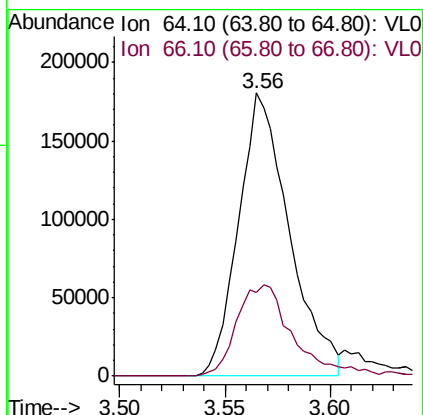
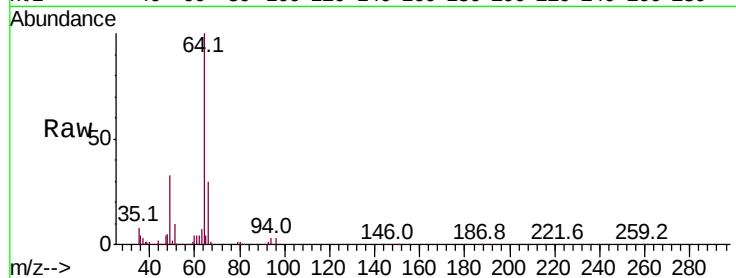
ClientSampleId :

Tot Ion: 64 Resp: 301895

Ion Ratio Lower Upper

64 100

66 29.8 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.098 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036625.D

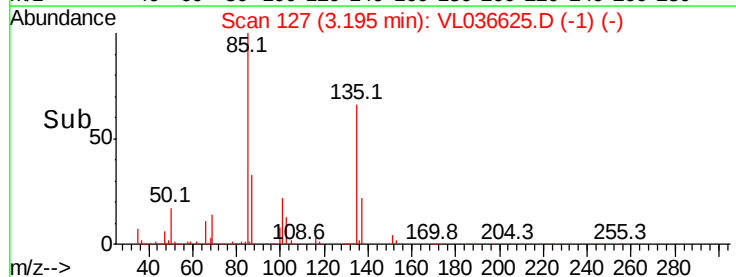
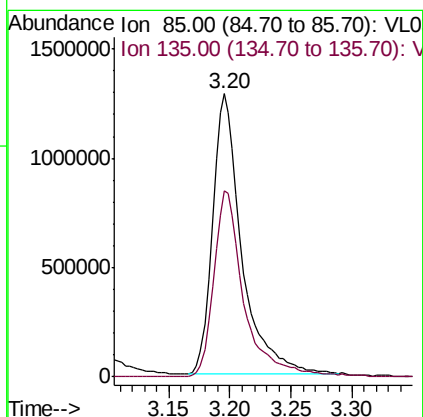
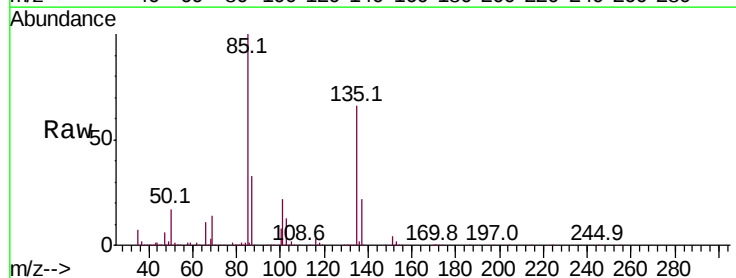
Acq: 1 Apr 2021 6:55

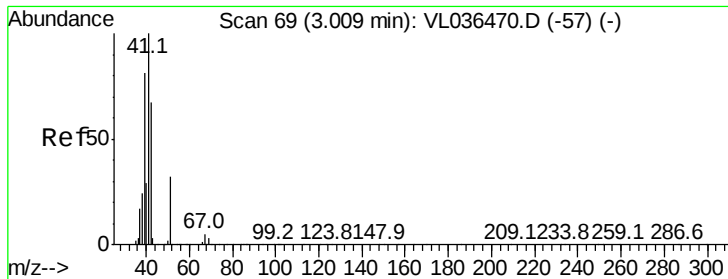
Tgt Ion: 85 Resp: 2151044

Ion Ratio Lower Upper

85 100

135 69.5 54.3 81.5





#9

Propene

Concen: 9.916 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

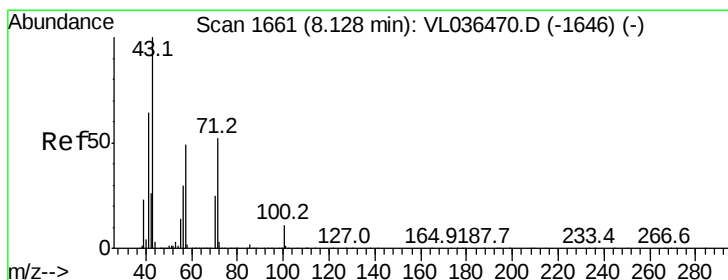
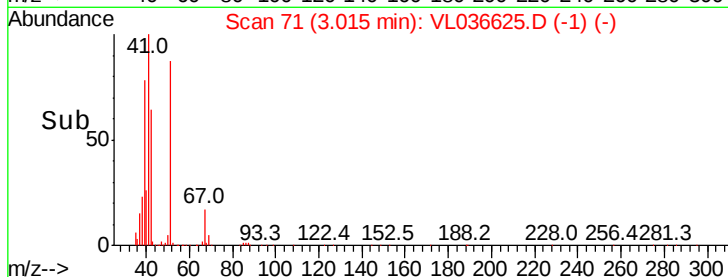
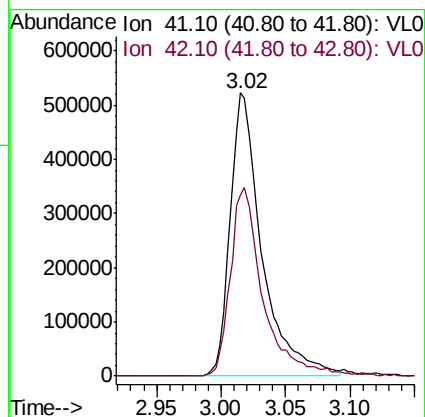
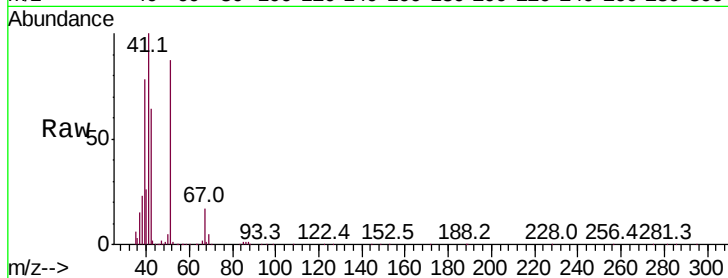
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 897060

Ion Ratio Lower Upper

41 100

42 68.6 57.0 85.4



#10

Heptane

Concen: 9.915 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL036625.D

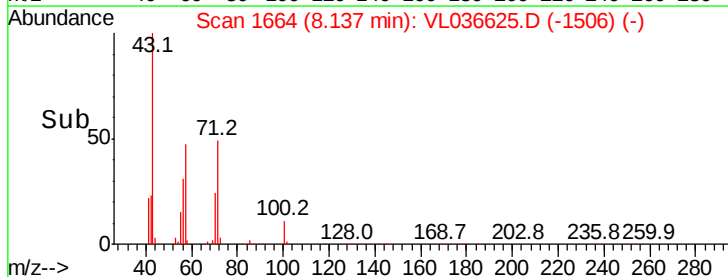
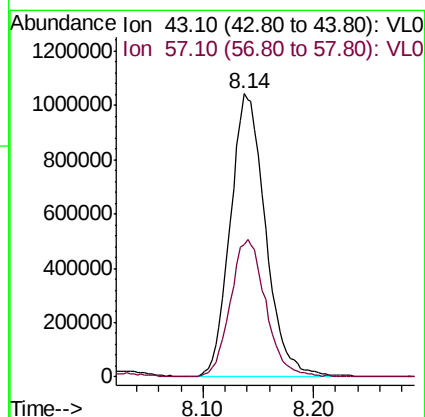
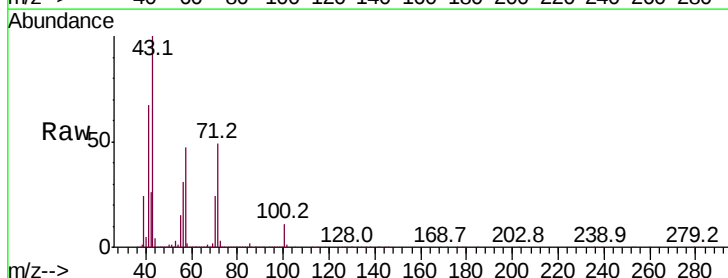
Acq: 1 Apr 2021 6:55

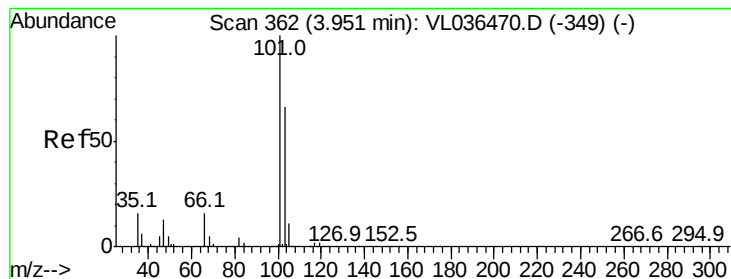
Tgt Ion: 43 Resp: 2285039

Ion Ratio Lower Upper

43 100

57 49.3 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.567 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

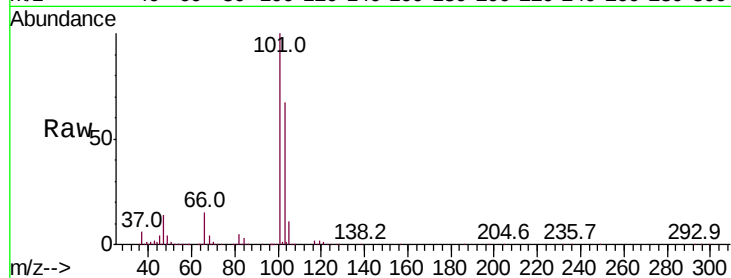
ClientSampleId :

Tot Ion:101 Resp: 2162802

Ion Ratio Lower Upper

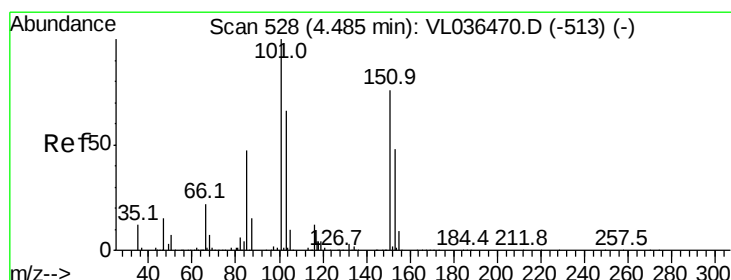
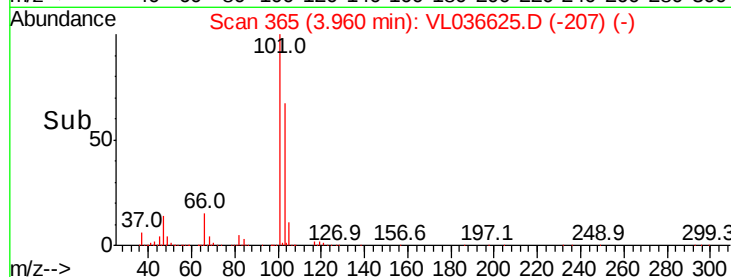
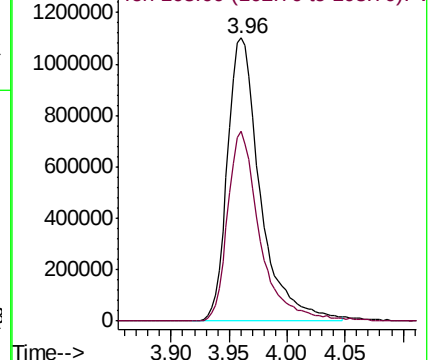
101 100

103 66.9 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: 9.037 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036625.D

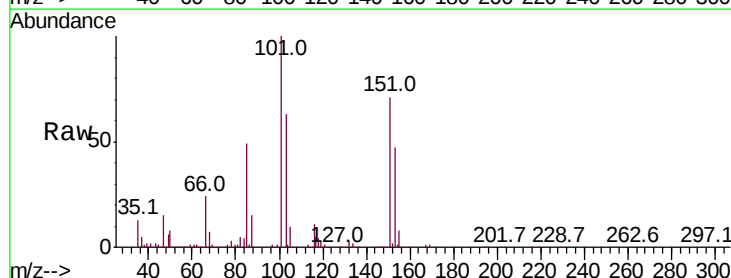
Acq: 1 Apr 2021 6:55

Tgt Ion:101 Resp: 1458619

Ion Ratio Lower Upper

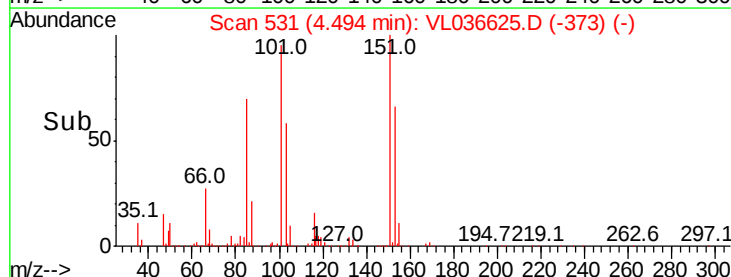
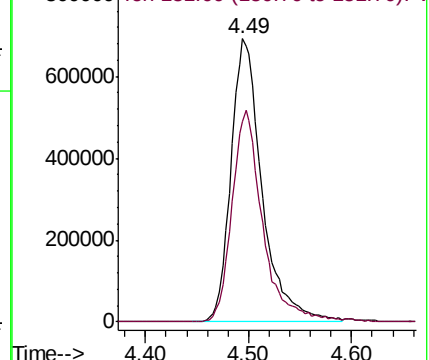
101 100

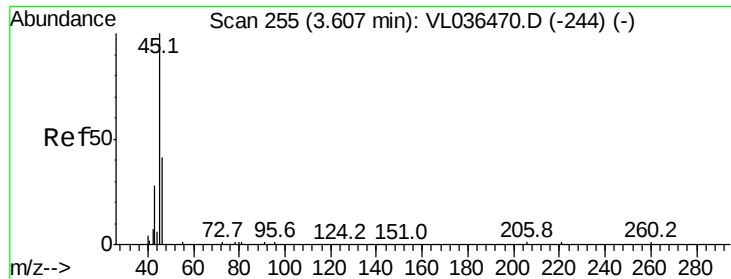
151 74.2 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

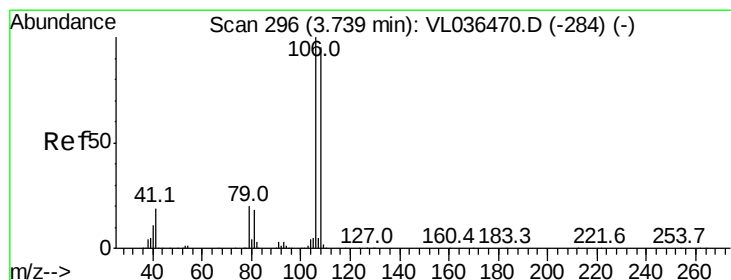
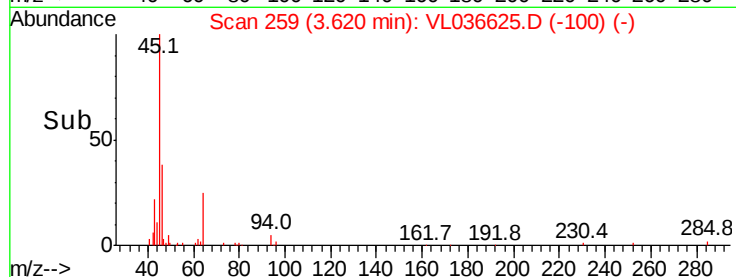
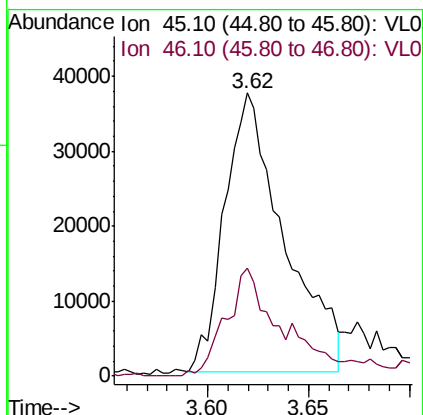
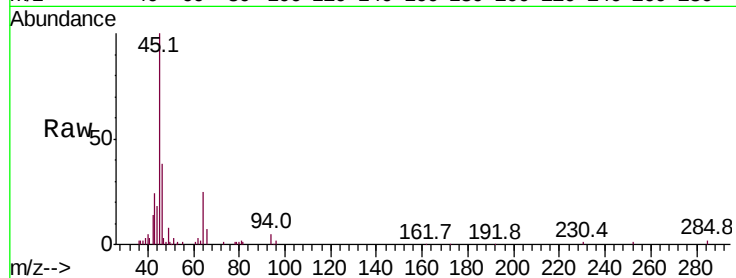




#13
 Ethanol
 Concen: 7.076 ppbv
 RT: 3.62 min Scan# 259
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

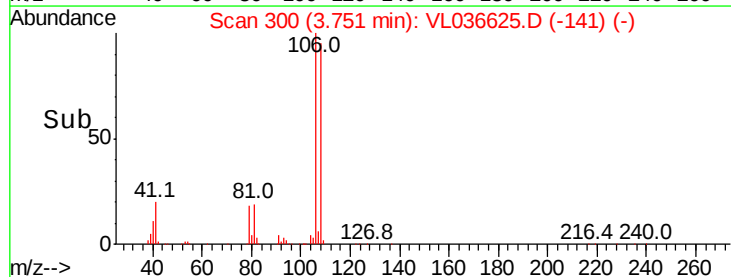
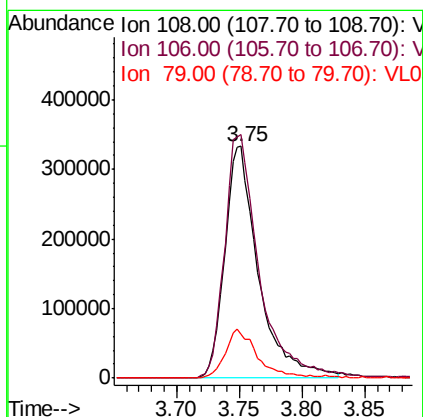
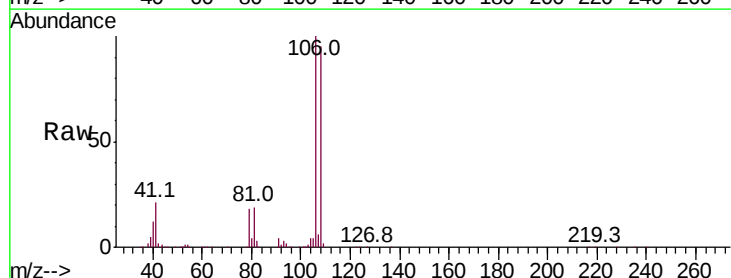
Instrument :
 MSVOA_L
 ClientSampleId :

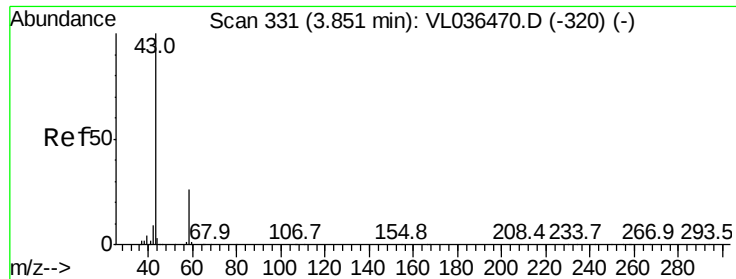
Tot Ion: 45 Resp: 76227
 Ion Ratio Lower Upper
 45 100
 46 42.6 16.6 66.2



#14
 Bromoethene
 Concen: 9.265 ppbv
 RT: 3.75 min Scan# 300
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 108 Resp: 621698
 Ion Ratio Lower Upper
 108 100
 106 109.4 89.0 133.6
 79 21.1 16.6 25.0





#15

Acetone

Concen: 8.242 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

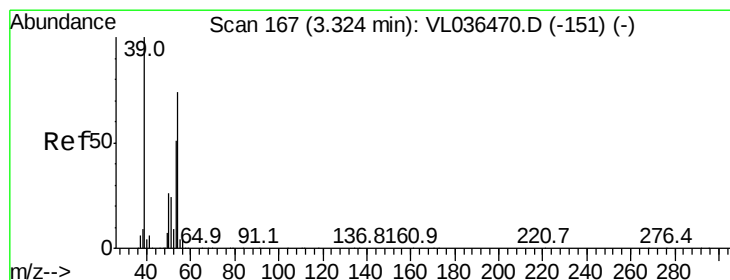
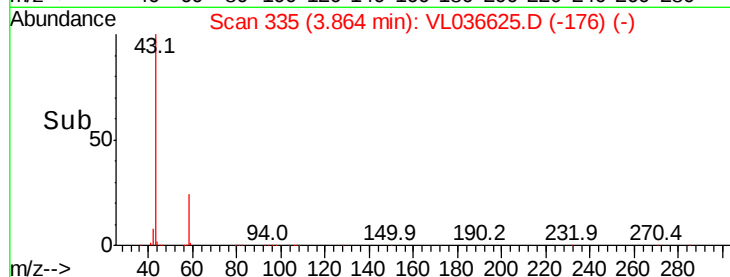
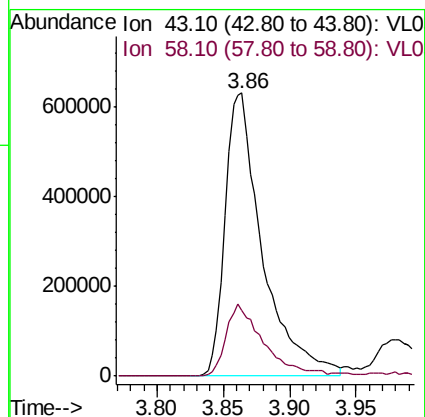
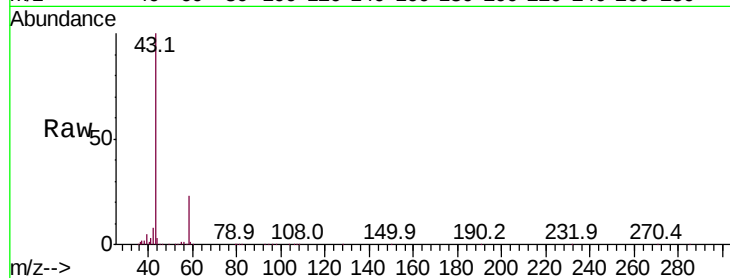
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1232081

Ion Ratio Lower Upper

43 100

58 26.4 21.2 31.8



#16

1,3-Butadiene

Concen: 8.870 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036625.D

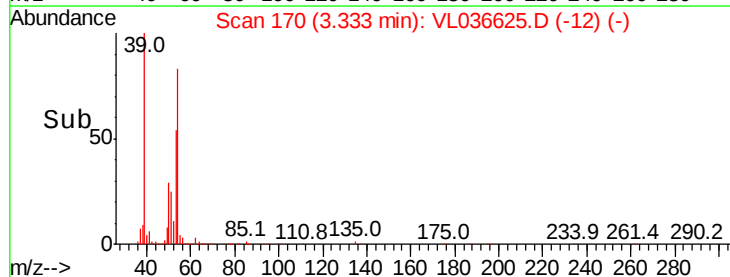
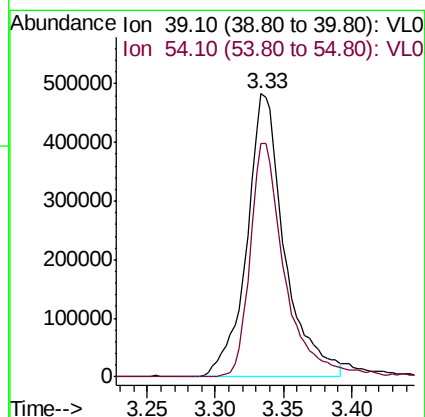
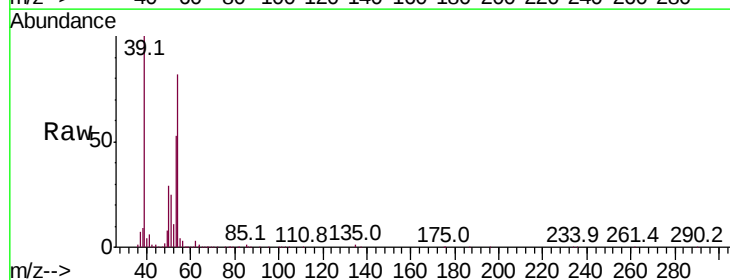
Acq: 1 Apr 2021 6:55

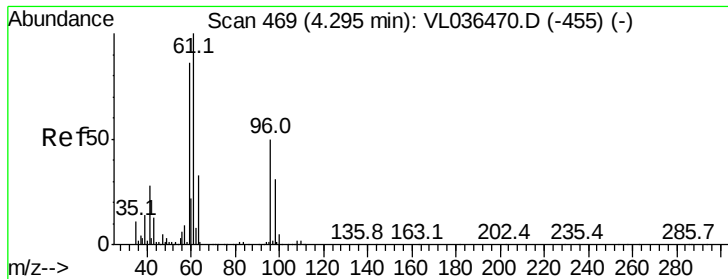
Tgt Ion: 39 Resp: 923116

Ion Ratio Lower Upper

39 100

54 77.4 58.8 88.2



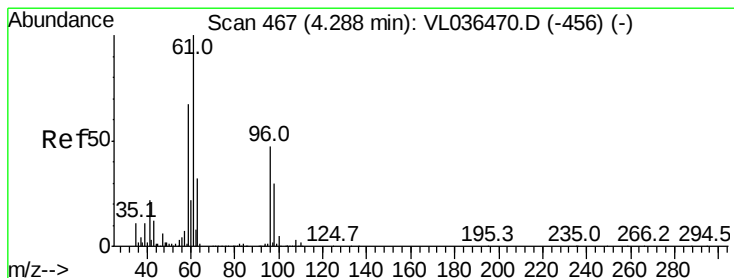
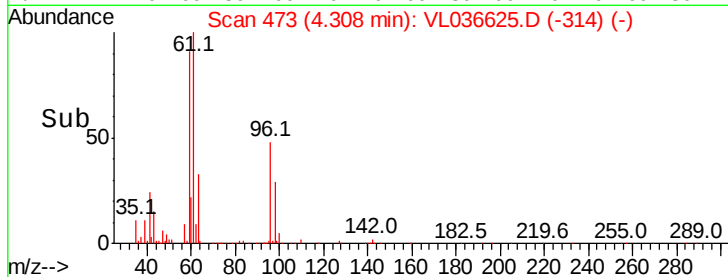
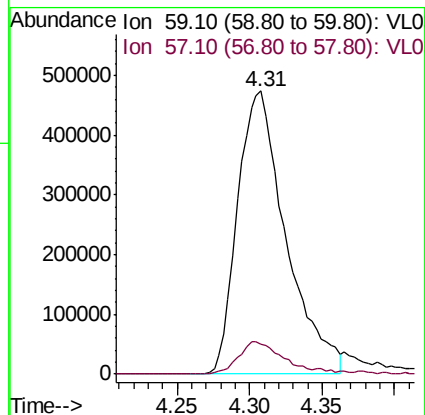
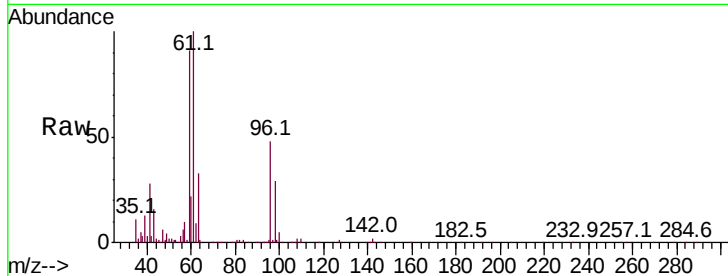


#17

tert-Butyl alcohol
Concen: 8.444 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :

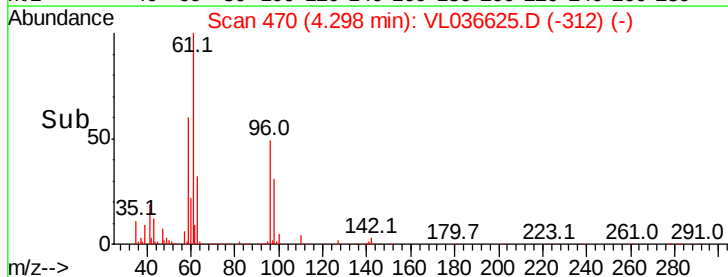
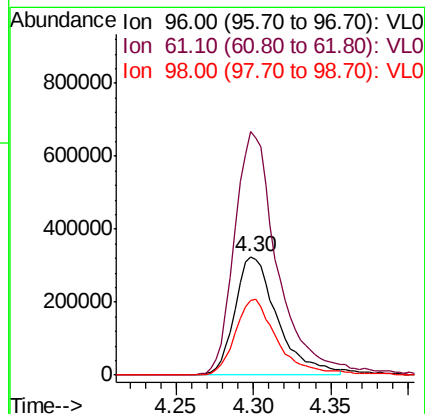
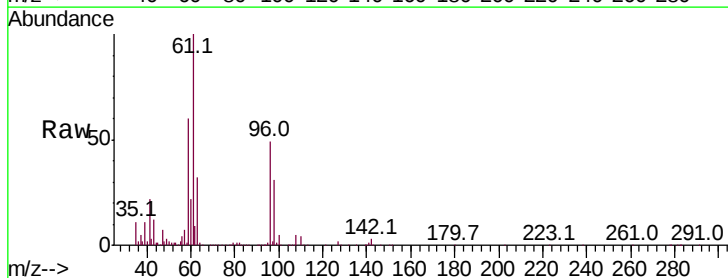
Tot Ion: 59 Resp: 1098840
Ion Ratio Lower Upper
59 100
57 11.7 8.6 12.8

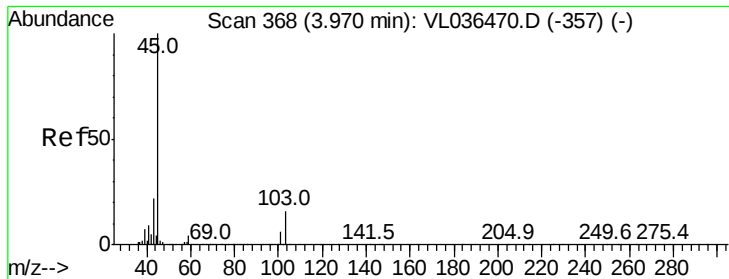


#18

1,1-Dichloroethene
Concen: 8.644 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 96 Resp: 620630
Ion Ratio Lower Upper
96 100
61 206.0 168.6 253.0
98 63.6 50.8 76.2



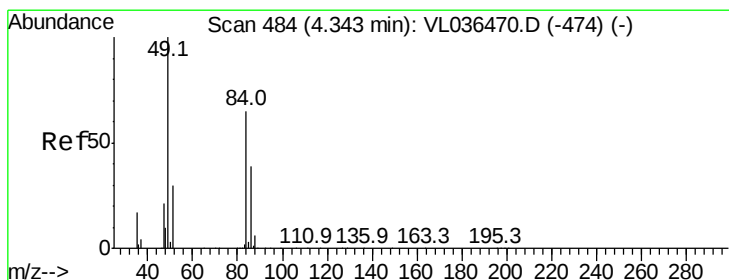
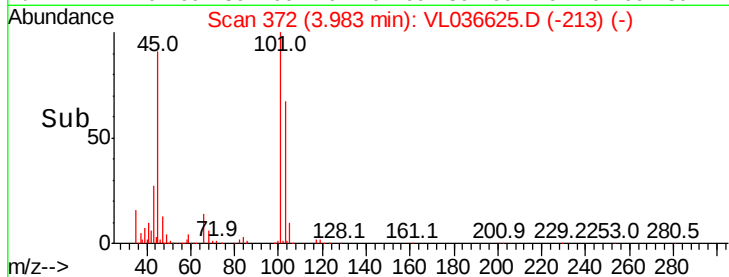
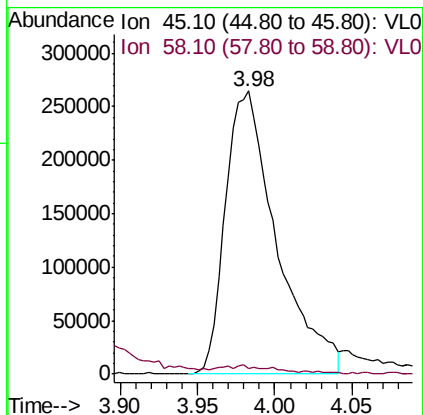
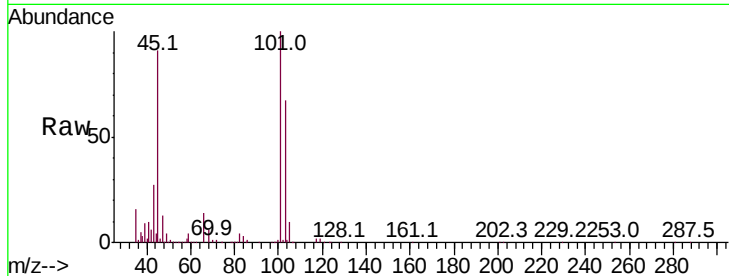


#19

Isopropyl Alcohol
 Concen: 7.384 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :

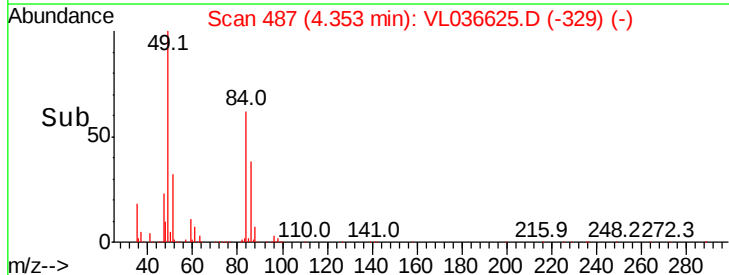
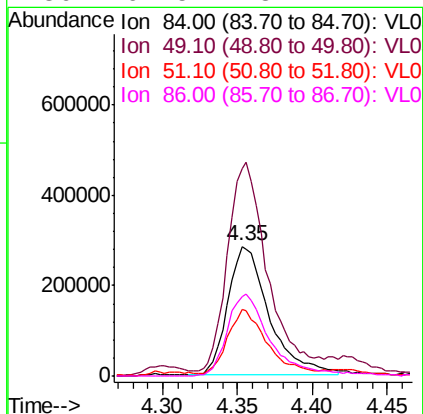
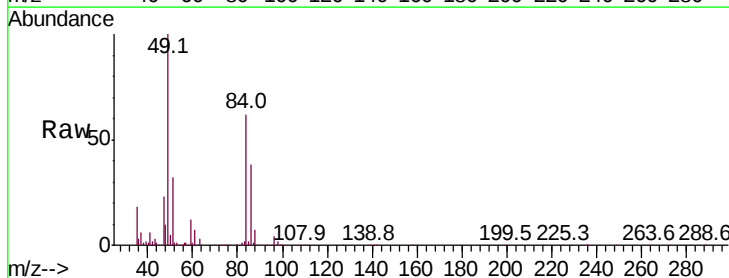
Tot Ion: 45 Resp: 607228
 Ion Ratio Lower Upper
 45 100
 58 3.1 2.9 4.3

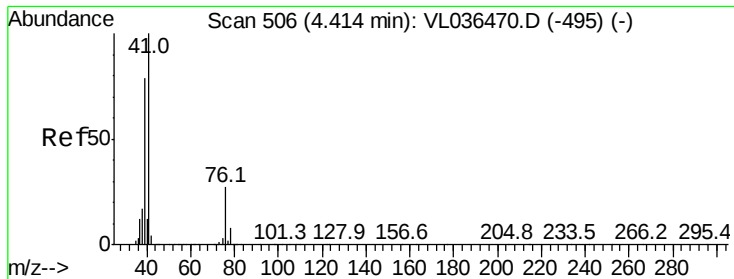


#20

Methylene Chloride
 Concen: 7.823 ppbv
 RT: 4.35 min Scan# 487
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 84 Resp: 547507
 Ion Ratio Lower Upper
 84 100
 49 157.9 122.9 184.3
 51 48.7 36.9 55.3
 86 61.5 48.2 72.4





#21

Allvl Chloride

Concen: 9.098 ppbv

RT: 4.42 min Scan# 509

Delta R.T. 0.01 min

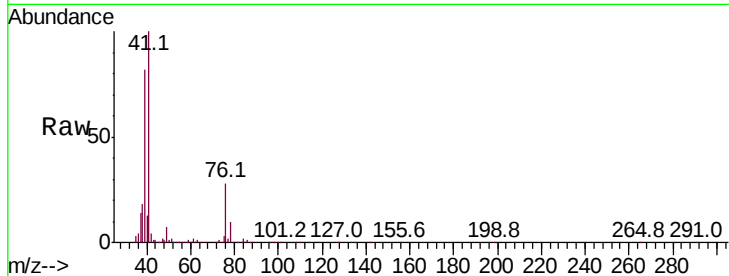
Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 1084168

Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.9	34.3
39	85.2	67.3	100.9

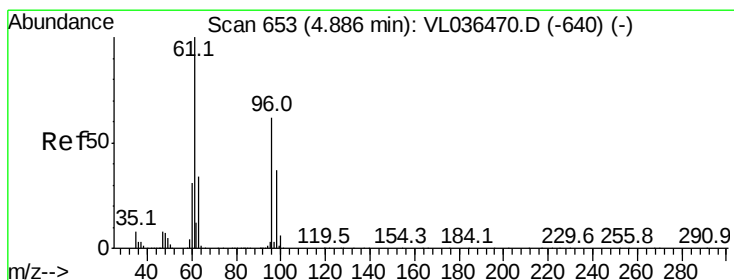
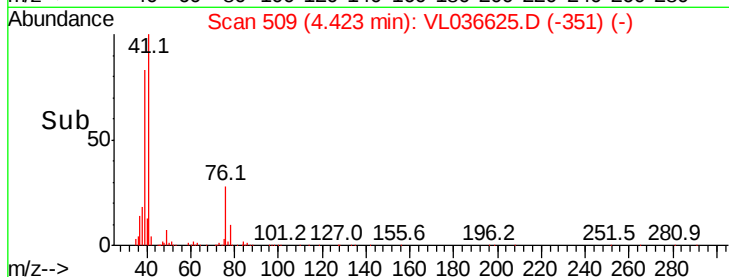
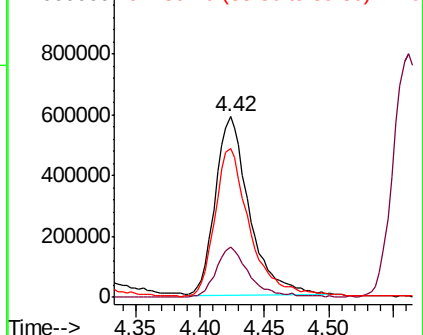


Abundance

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: 8.803 ppbv

RT: 4.90 min Scan# 656

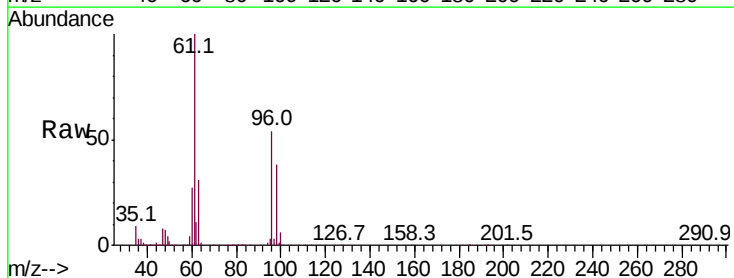
Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 96 Resp: 585917

Ion	Ratio	Lower	Upper
96	100		
61	183.9	129.4	194.0
98	69.1	48.2	72.4

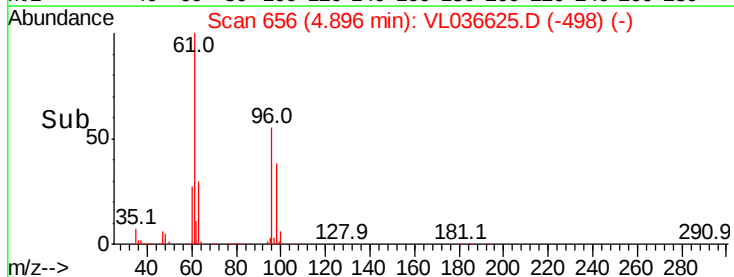
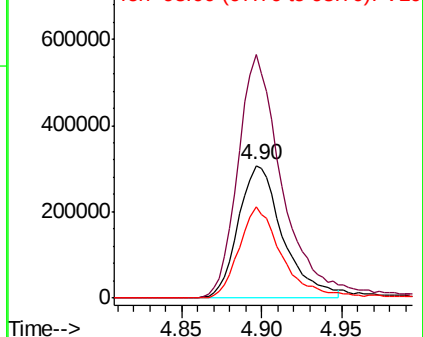


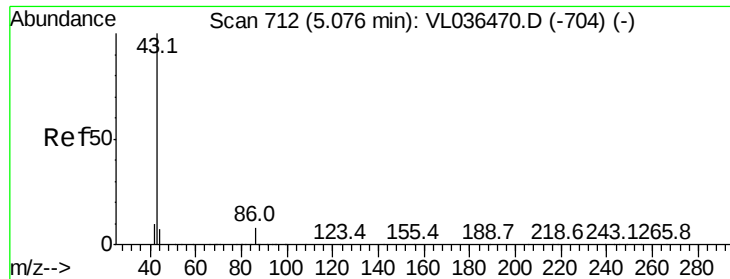
Abundance

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: 9.991 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2554765

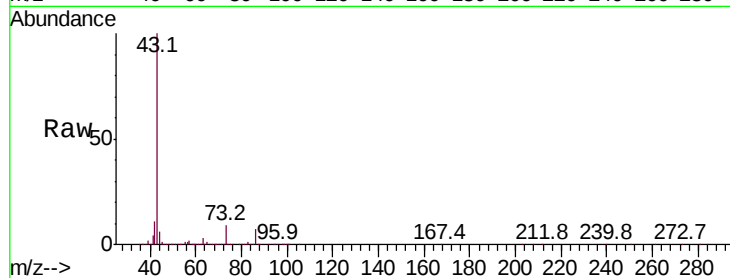
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	11.0	8.5	12.7
44	5.0	4.6	7.0

43 100

86 6.8 5.4 8.0

42 11.0 8.5 12.7

44 5.0 4.6 7.0

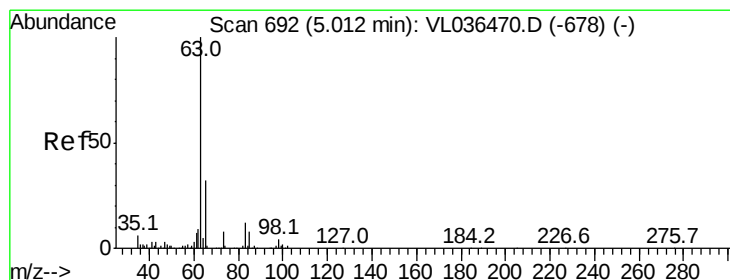
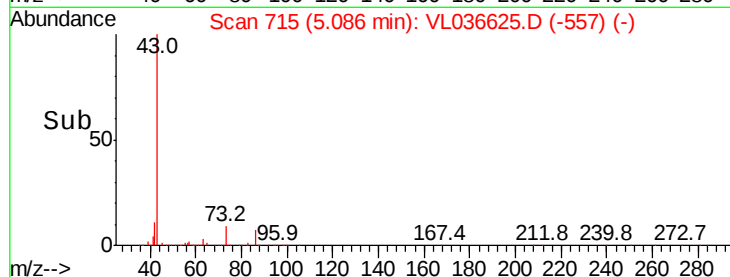
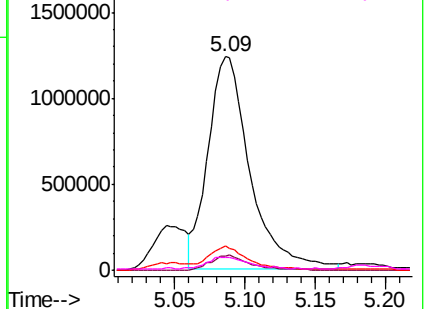


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.331 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

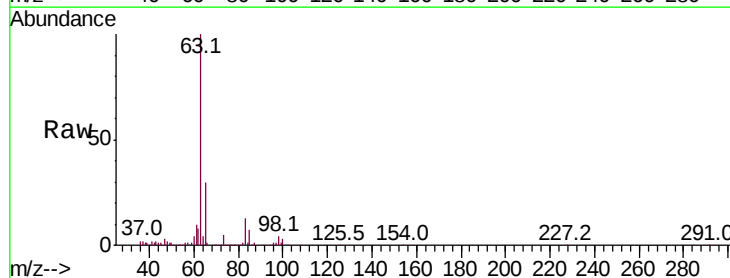
Tgt Ion: 63 Resp: 1739181

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.5	0.9	2.8

63 100

98 4.0 2.1 6.2

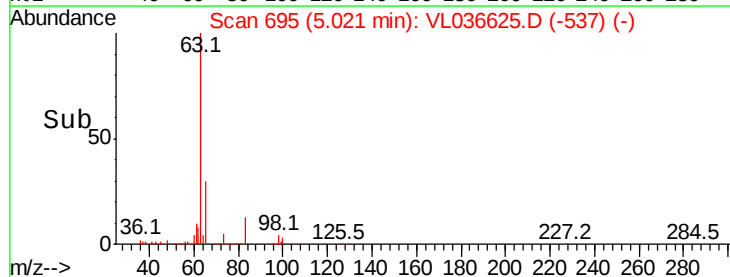
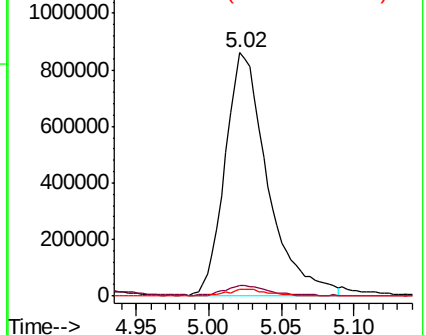
100 2.5 0.9 2.8

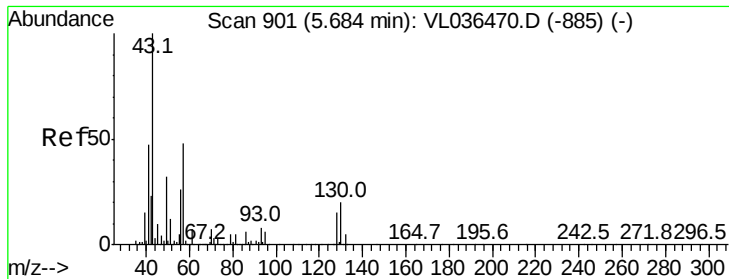


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

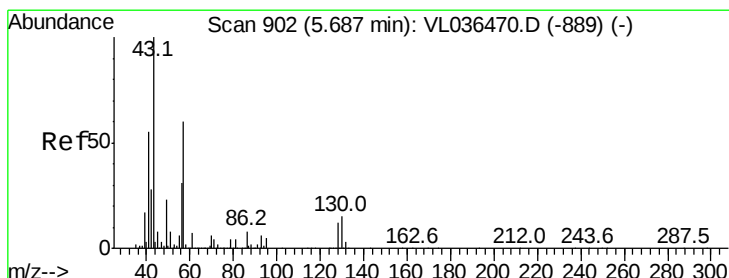
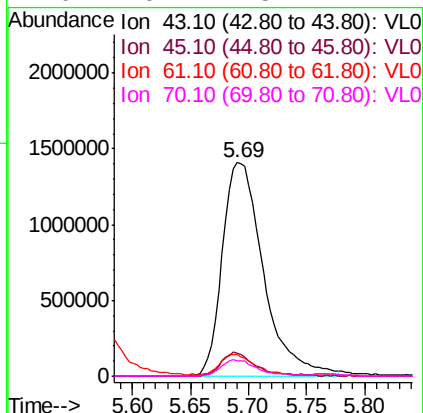
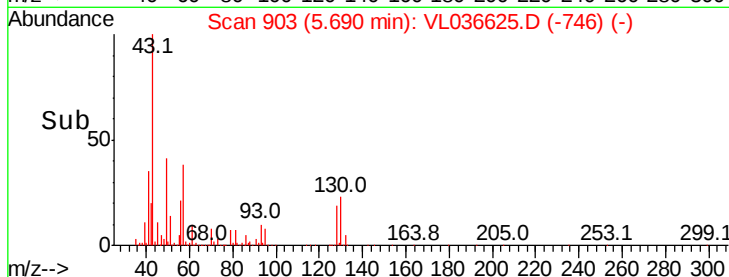
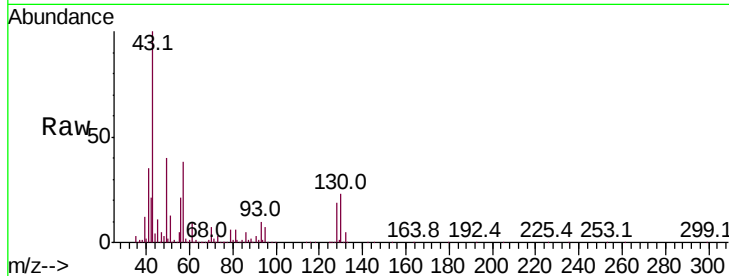




#25
Ethyl Acetate
Concen: 9.689 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

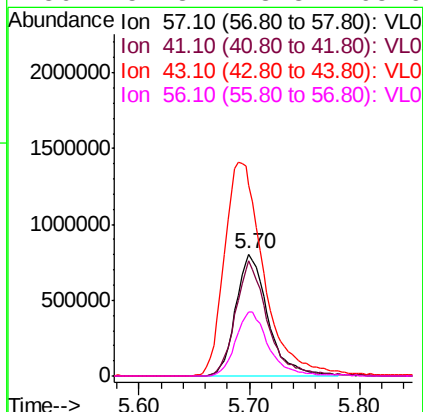
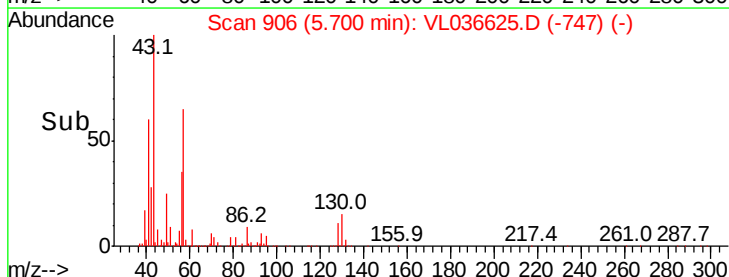
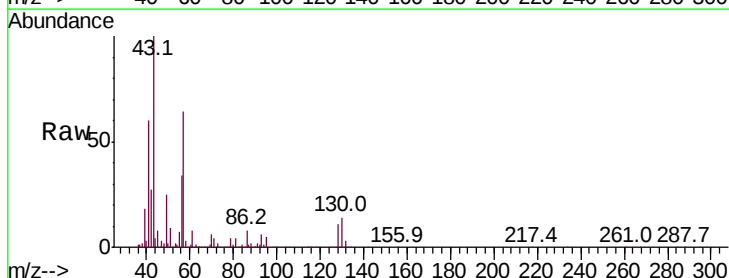
Instrument :
MSVOA_L
ClientSampleId :

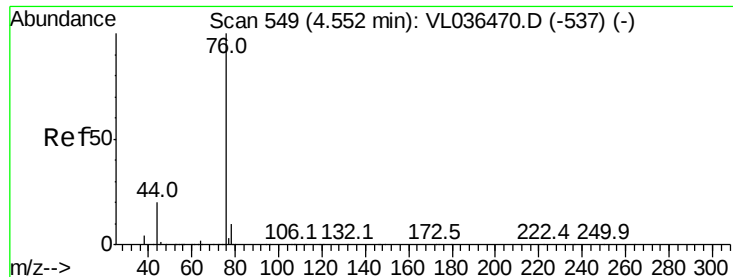
Tot Ion: 43 Resp: 3443559
Ion Ratio Lower Upper
43 100
45 9.6 7.9 11.9
61 9.2 7.4 11.2
70 6.7 5.1 7.7



#26
Hexane
Concen: 9.852 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 57 Resp: 1624832
Ion Ratio Lower Upper
57 100
41 95.2 77.2 115.8
43 216.6 173.8 260.6
56 54.3 43.8 65.6





#27

Carbon Disulfide

Concen: 9.614 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

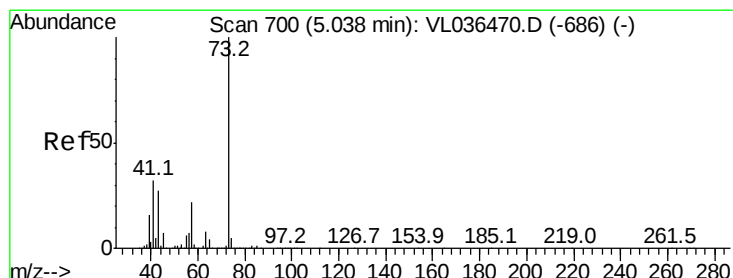
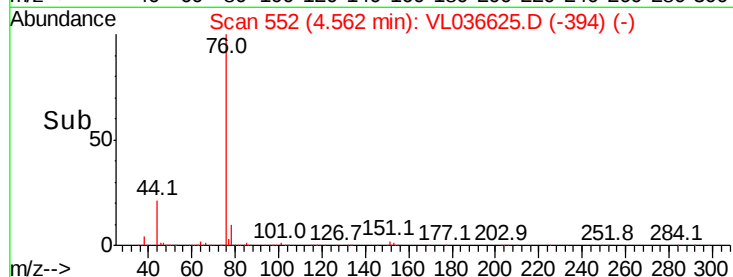
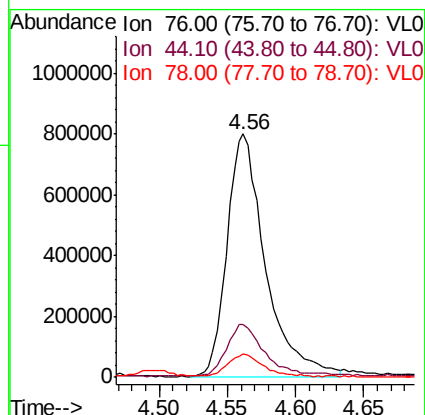
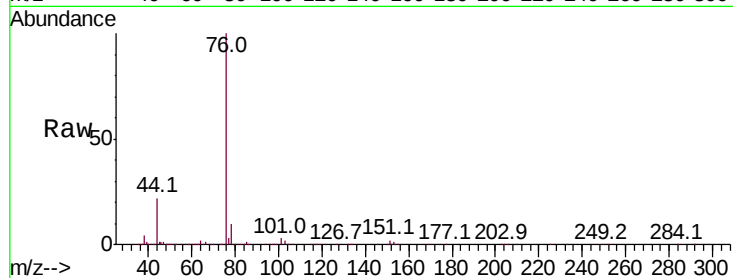
Tot Ion: 76 Resp: 1561889

Ion Ratio Lower Upper

76 100

44 21.5 17.5 26.3

78 10.0 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 9.794 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.01 min

Lab File: VL036625.D

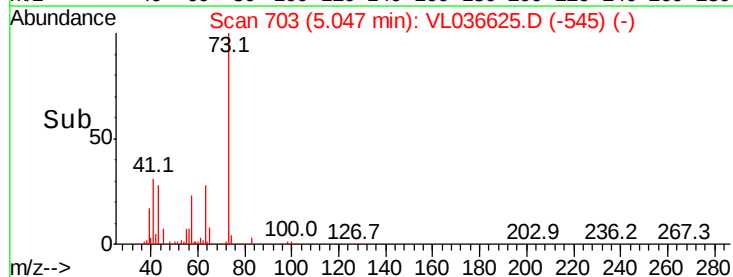
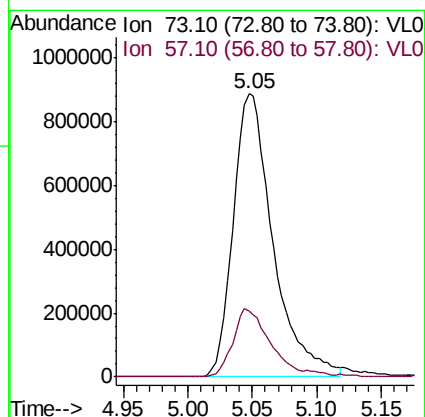
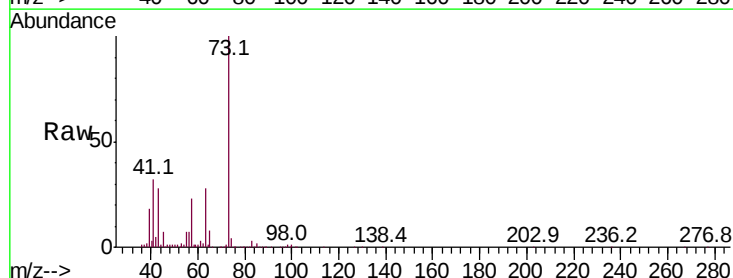
Acq: 1 Apr 2021 6:55

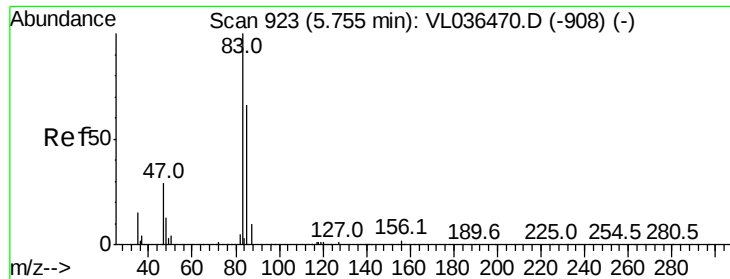
Tgt Ion: 73 Resp: 1904814

Ion Ratio Lower Upper

73 100

57 23.6 18.5 27.7

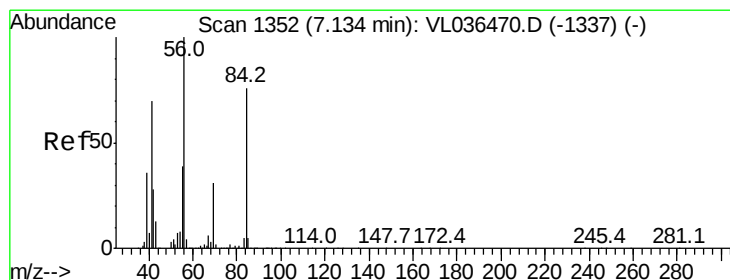
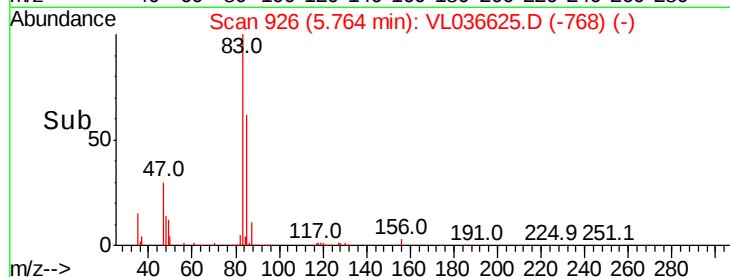
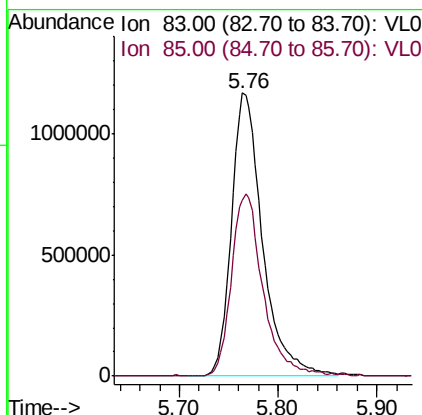
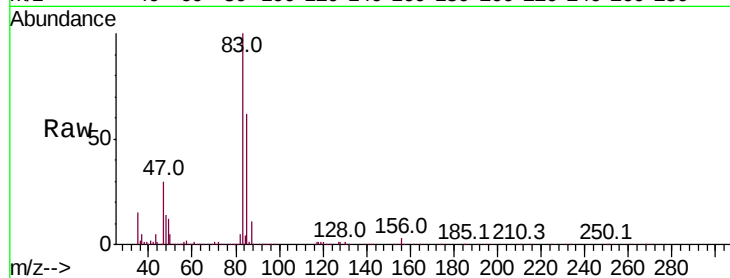




#29
Chloroform
Concen: 9.729 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

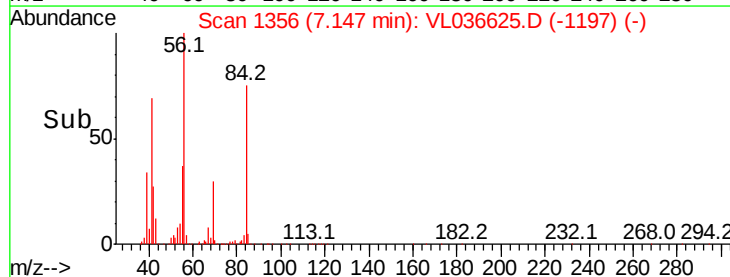
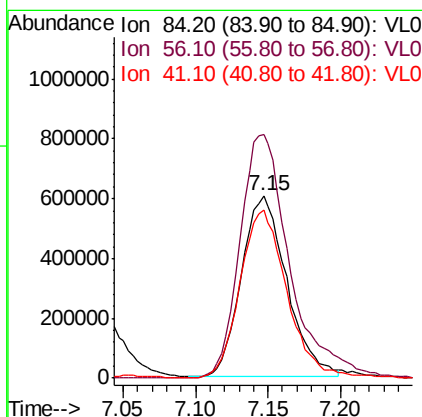
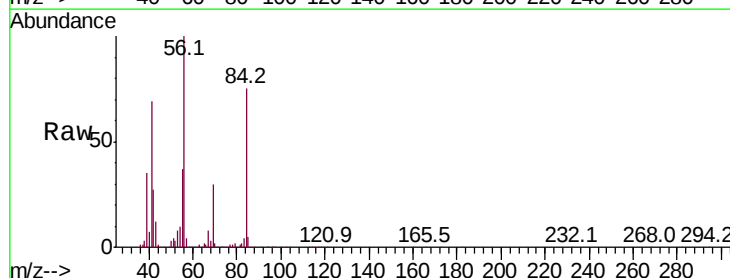
Instrument :
MSVOA_L
ClientSampleId :

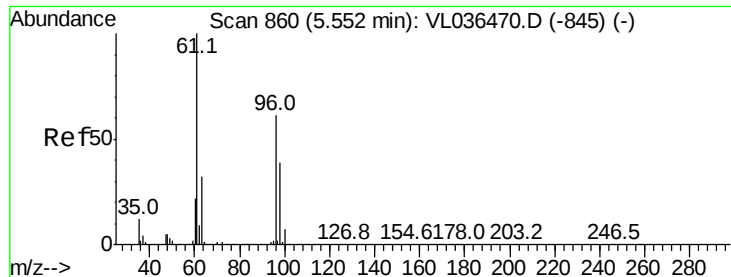
Tot Ion: 83 Resp: 2565989
Ion Ratio Lower Upper
83 100
85 61.9 52.6 78.8



#30
Cyclohexane
Concen: 9.839 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 84 Resp: 1315956
Ion Ratio Lower Upper
84 100
56 149.6 114.6 171.8
41 96.3 75.3 112.9



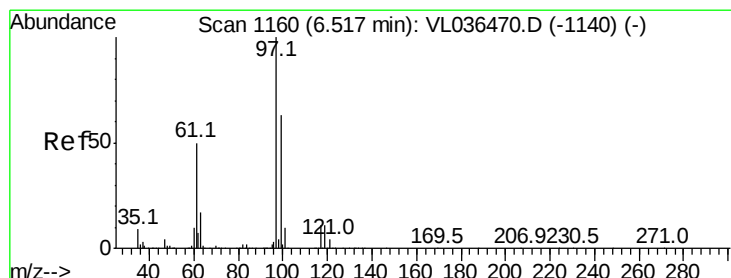
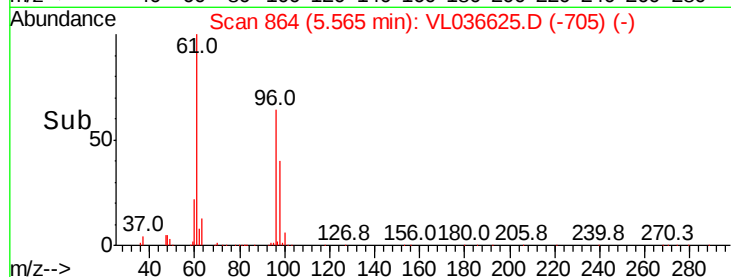
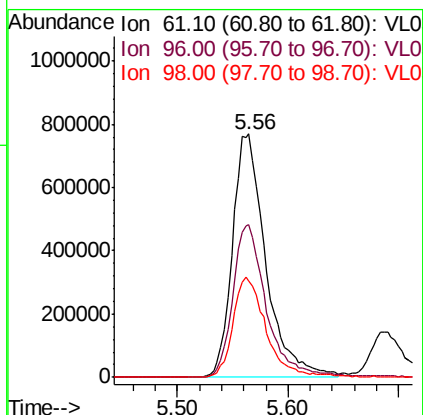
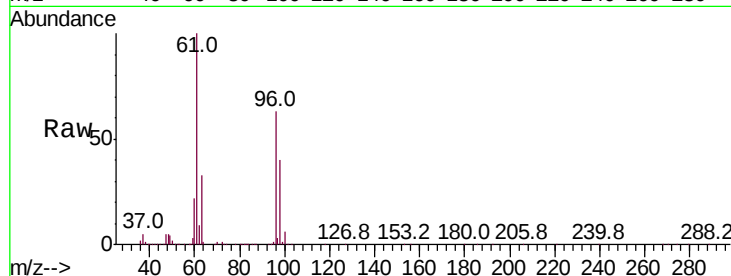


#31

cis-1,2-Dichloroethene
Concen: 10.086 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampled :

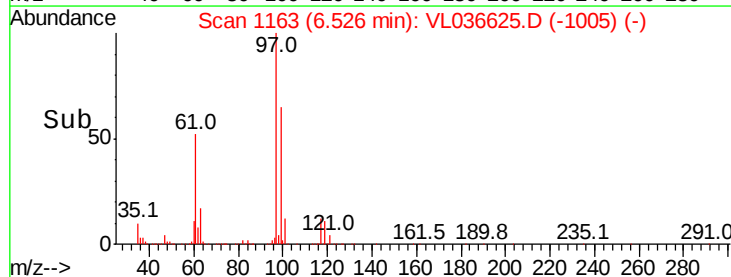
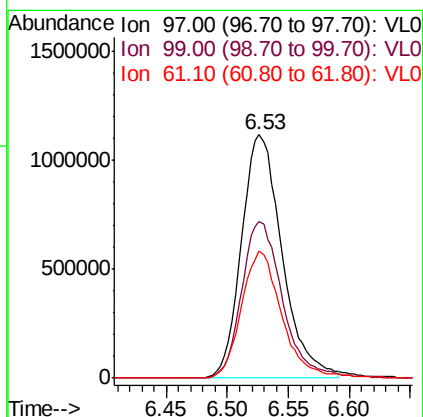
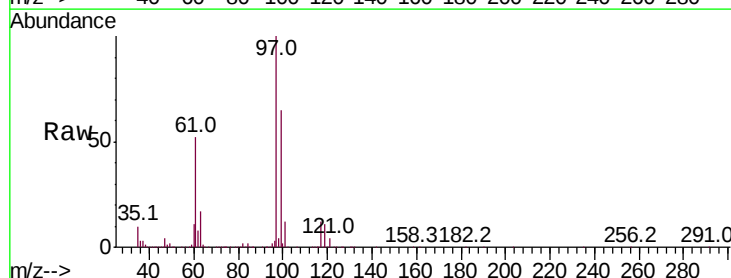
Tot Ion: 61 Resp: 1608838
Ion Ratio Lower Upper
61 100
96 62.7 48.7 73.1
98 39.9 31.4 47.0

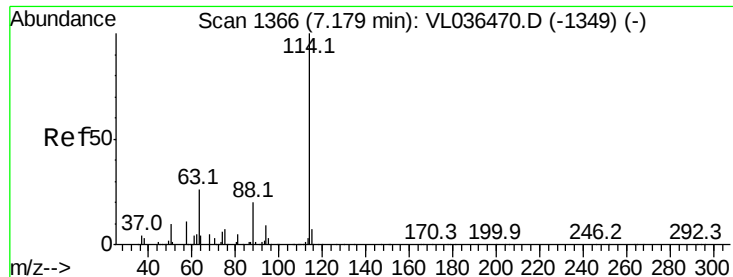


#32

1,1,1-Trichloroethane
Concen: 9.655 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 97 Resp: 2566513
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.0
61 52.0 40.6 60.8

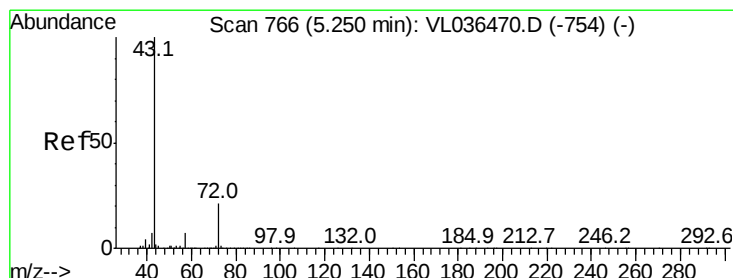
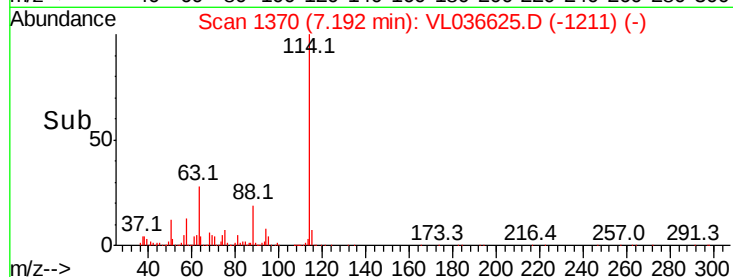
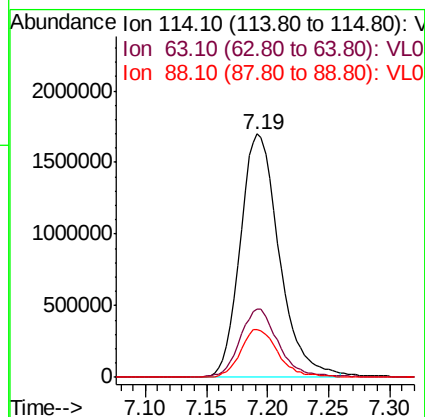
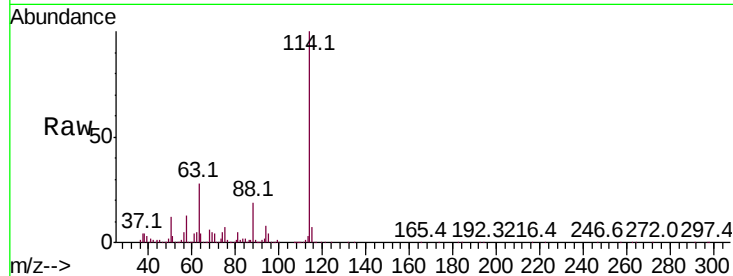




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

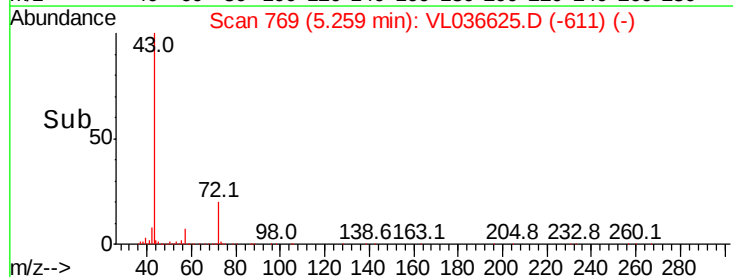
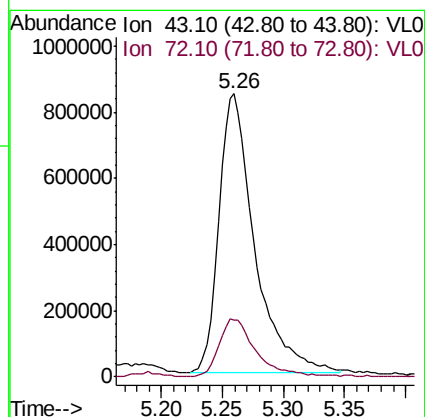
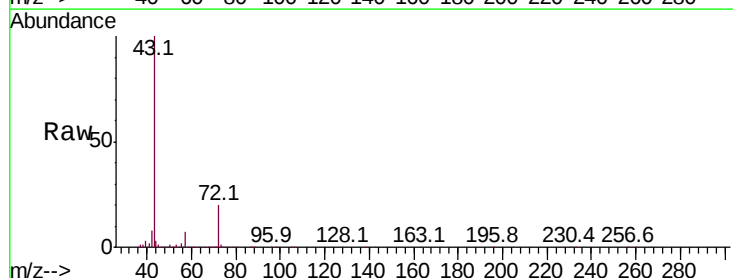
Instrument :
 MSVOA_L
 ClientSampleId :

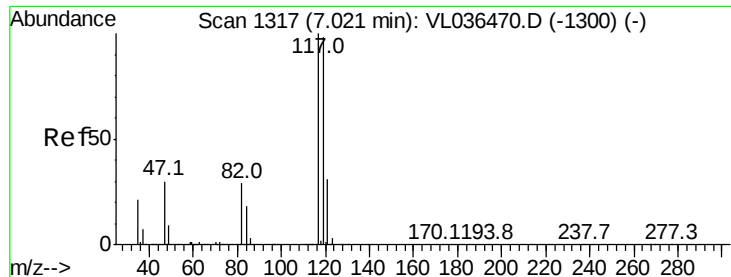
Tot Ion:114 Resp: 3753139
 Ion Ratio Lower Upper
 114 100
 63 28.2 22.4 33.6
 88 19.3 15.4 23.0



#34
 2-Butanone
 Concen: 9.459 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 43 Resp: 1732925
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.0 25.6





#35

Carbon Tetrachloride

Concen: 9.363 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

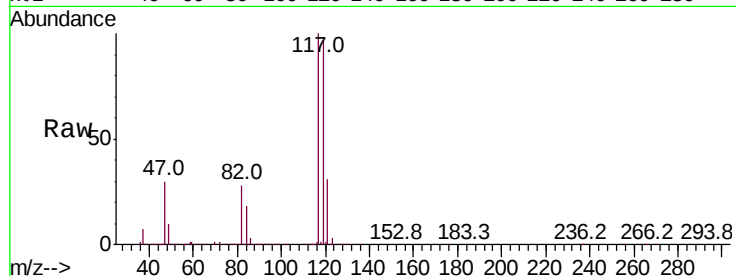
Tot Ion:117 Resp: 2698983

Ion Ratio Lower Upper

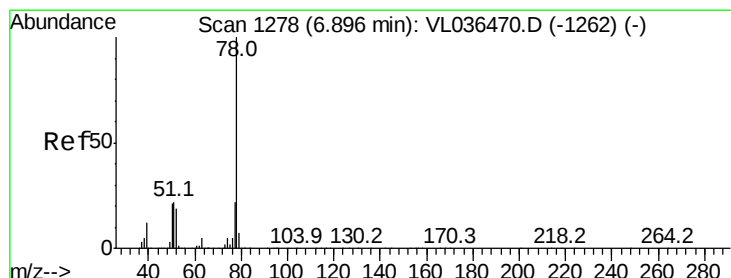
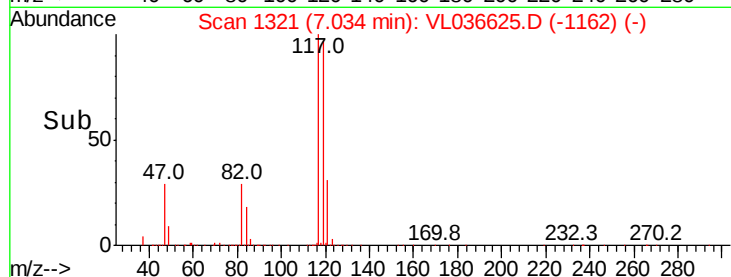
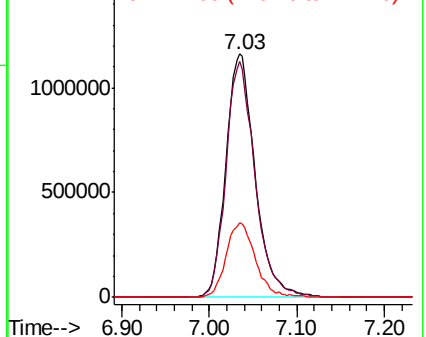
117 100

119 97.1 78.2 117.2

121 30.8 24.5 36.7



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: 9.735 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

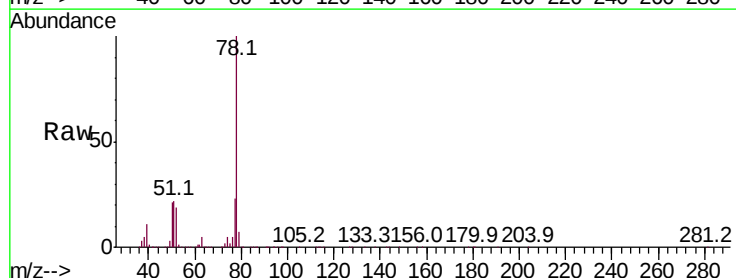
Tgt Ion: 78 Resp: 3369755

Ion Ratio Lower Upper

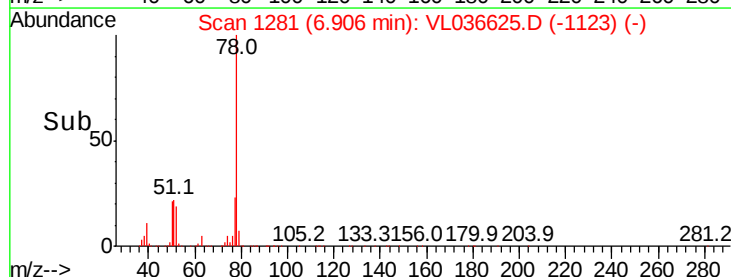
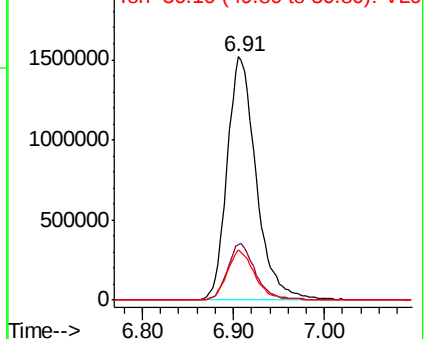
78 100

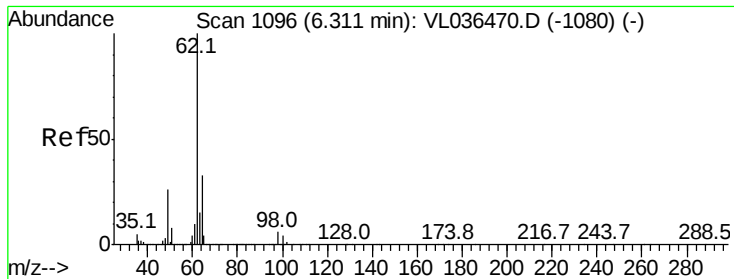
77 23.0 18.0 27.0

50 20.5 16.5 24.7



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: 9.600 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

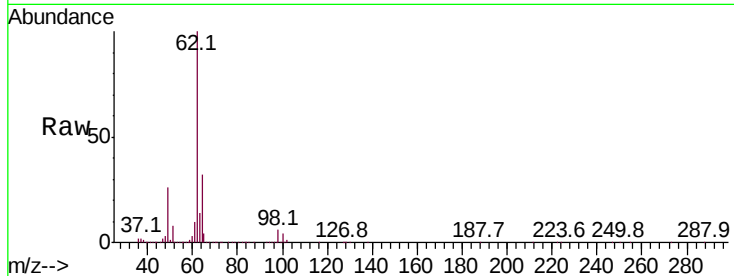
ClientSampled :

Tot Ion: 62 Resp: 1955837

Ion Ratio Lower Upper

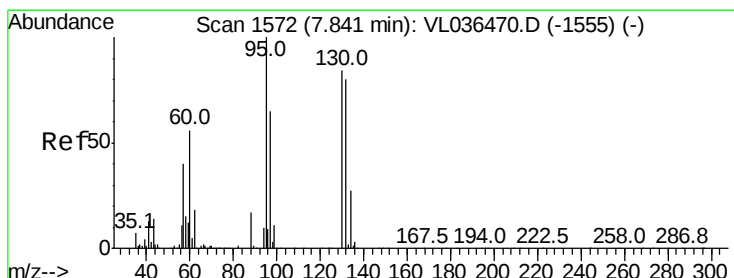
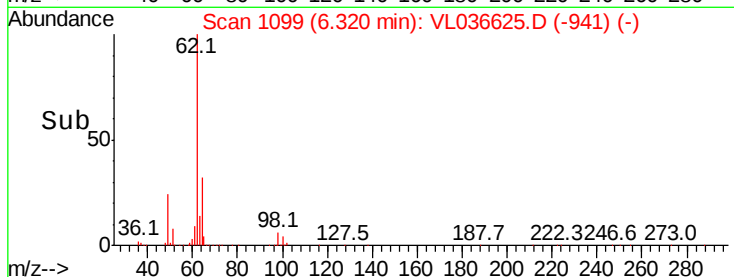
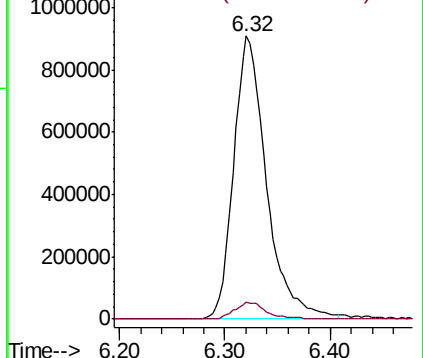
62 100

98 6.0 4.9 7.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.879 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 130 Resp: 1196042

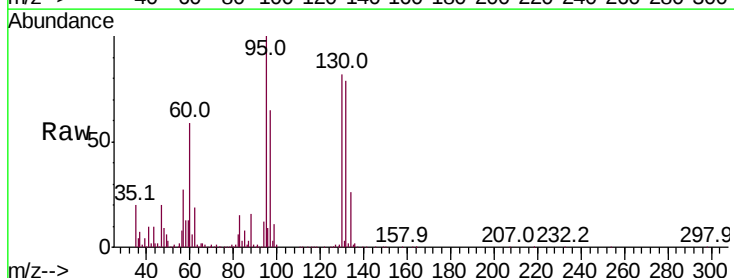
Ion Ratio Lower Upper

130 100

95 122.5 95.7 143.5

132 96.4 76.2 114.4

97 79.4 61.8 92.6

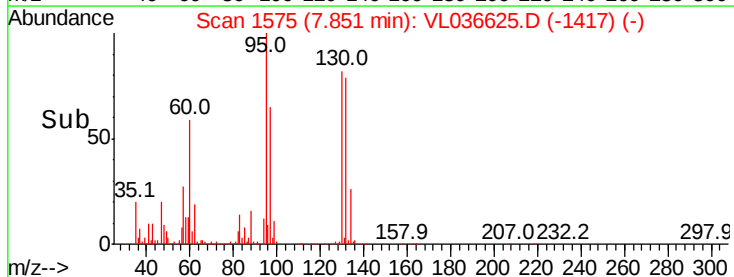
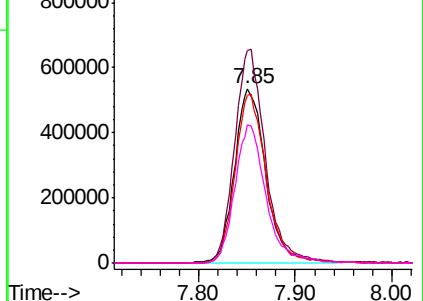


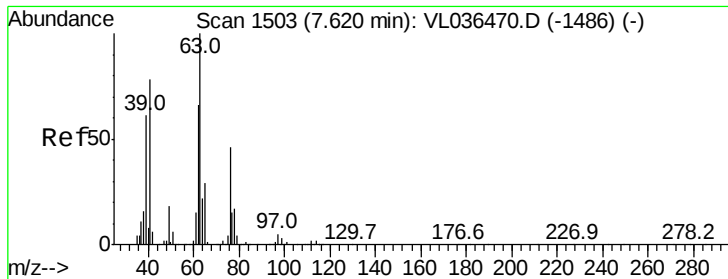
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.498 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

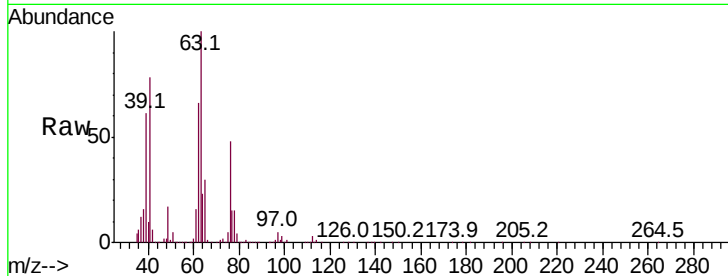
Tot Ion: 63 Resp: 1333663

Ion Ratio Lower Upper

63 100

41 77.8 62.4 93.6

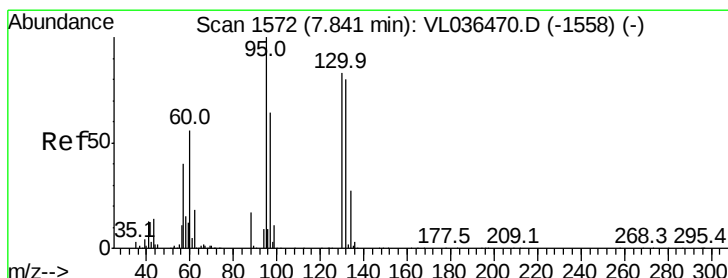
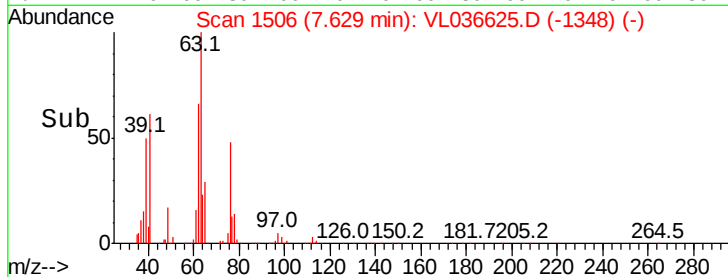
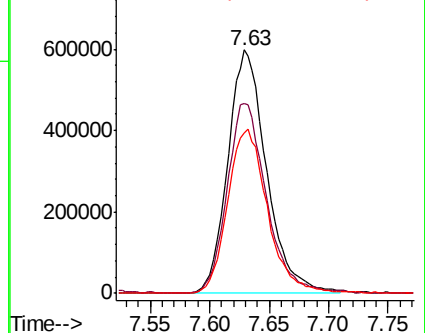
62 65.9 52.8 79.2



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: 7.779 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 88 Resp: 254213

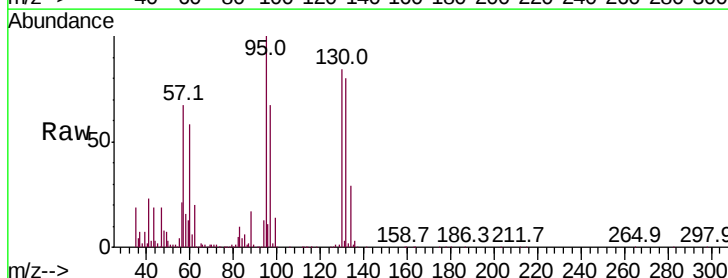
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

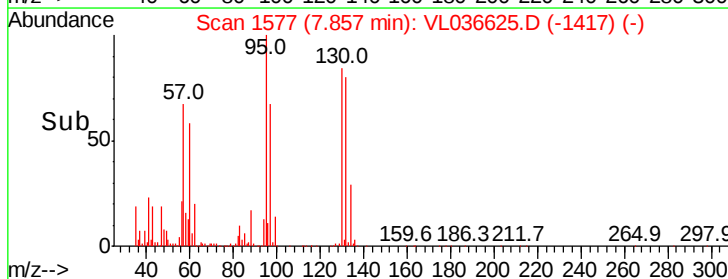
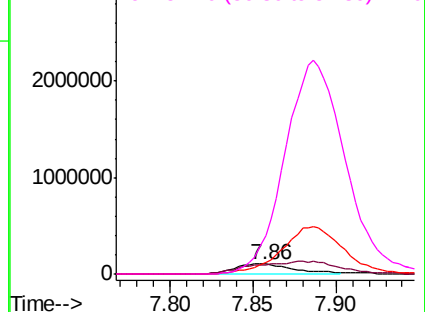


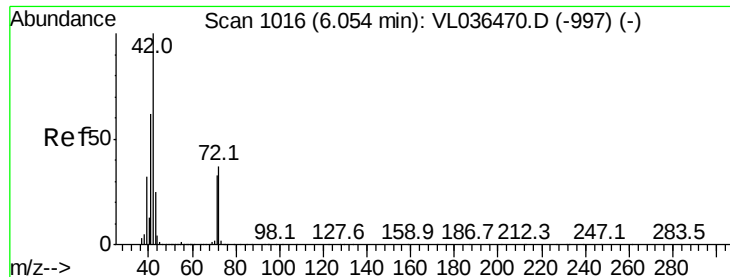
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.693 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

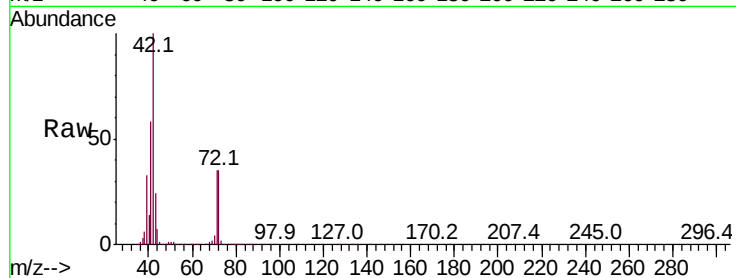
Tot Ion: 42 Resp: 818745

Ion Ratio Lower Upper

42 100

72 35.9 27.6 41.4

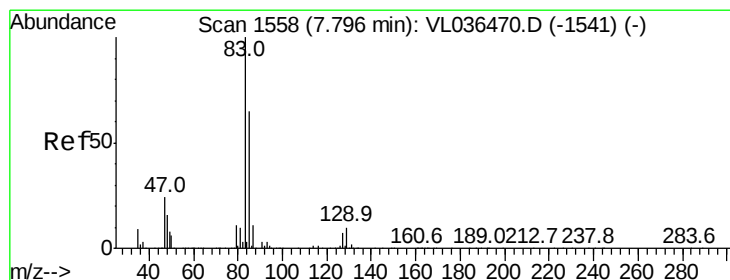
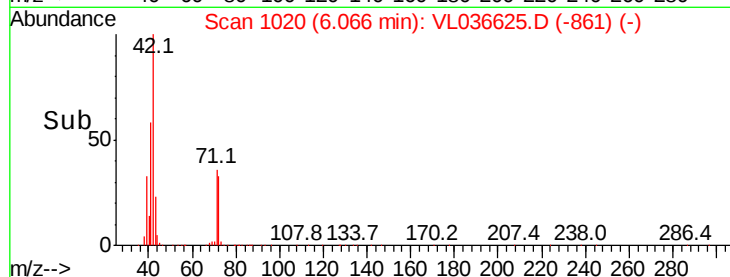
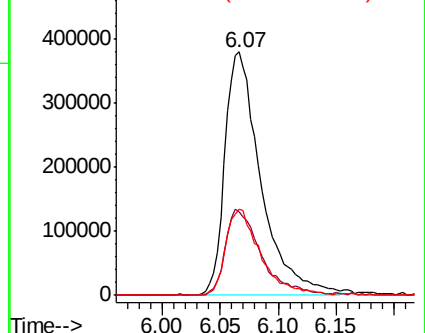
71 34.8 27.0 40.4



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: 10.119 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

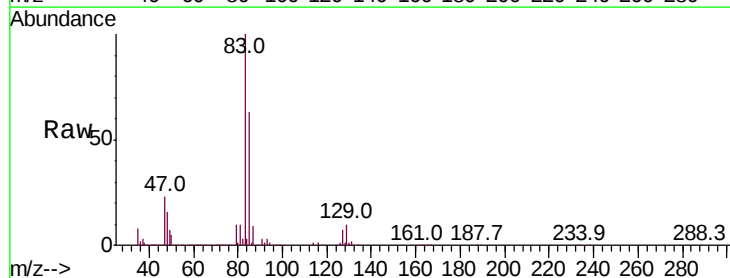
Tgt Ion: 83 Resp: 2803995

Ion Ratio Lower Upper

83 100

85 63.3 51.8 77.6

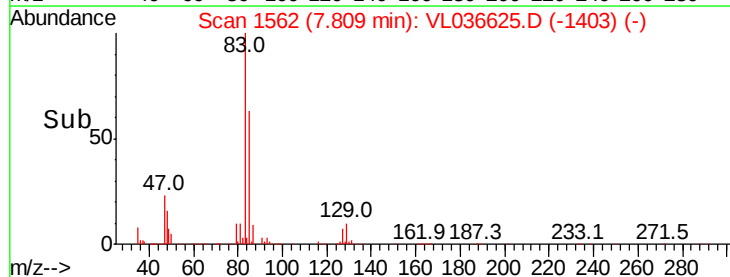
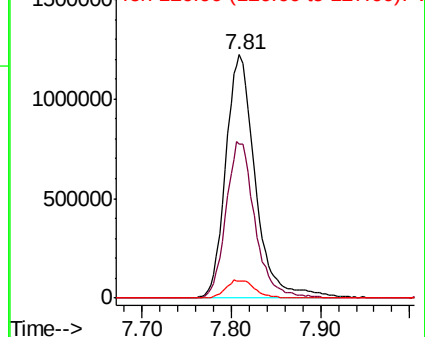
127 7.2 5.8 8.8

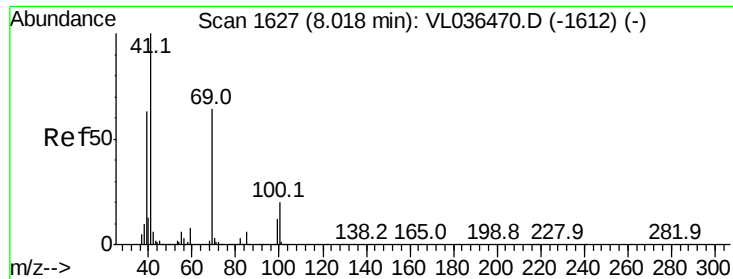


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methyl Methacrylate

Concen: 10.594 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.02 min

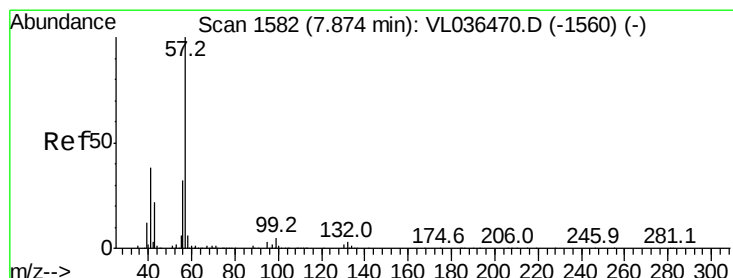
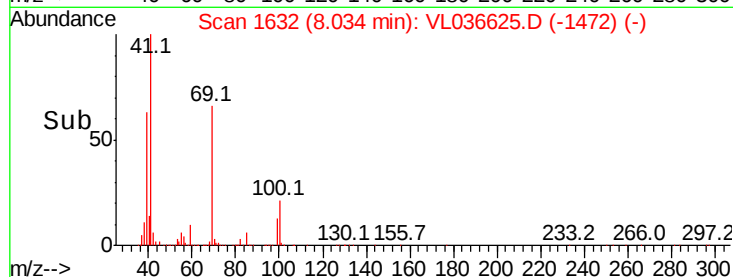
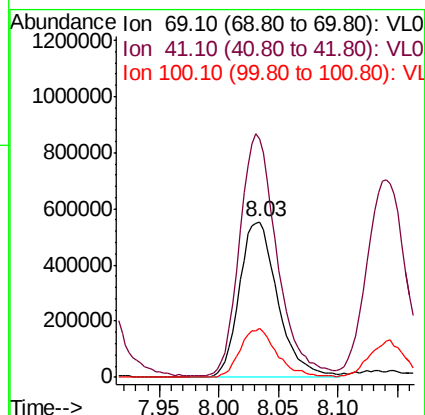
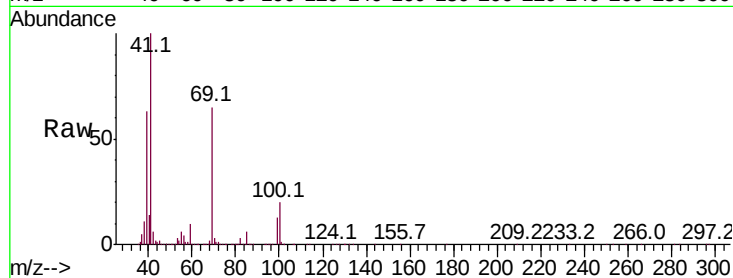
Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1231415

Ion	Ratio	Lower	Upper
69	100		
41	153.2	126.8	190.2
100	30.5	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 9.266 ppbv

RT: 7.89 min Scan# 1586

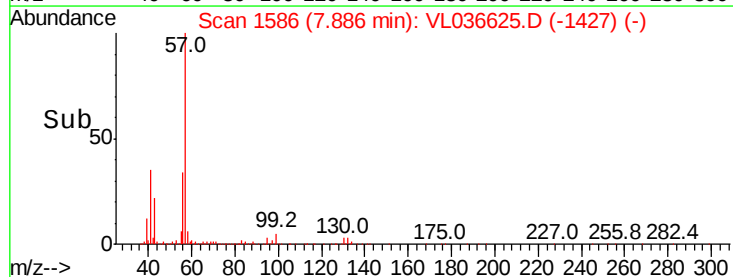
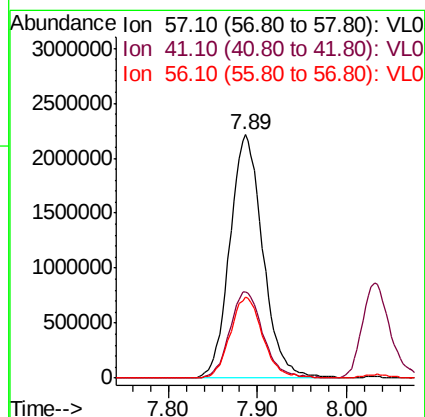
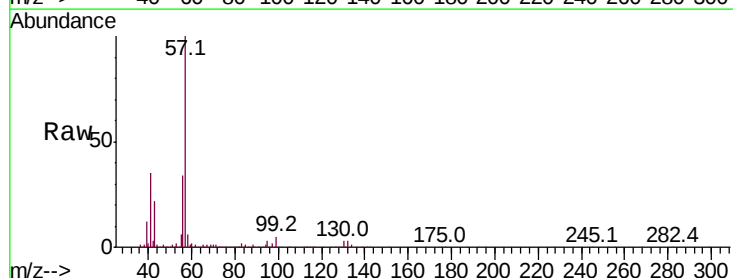
Delta R.T. 0.01 min

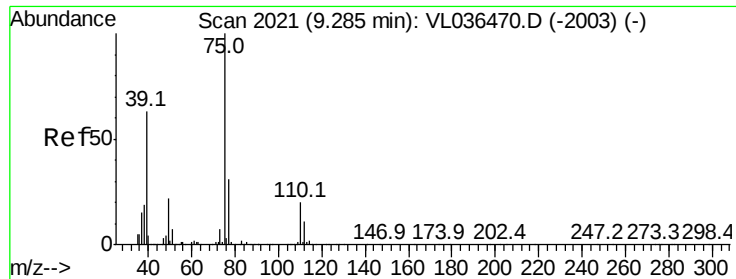
Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion: 57 Resp: 5645051

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.8	43.2
56	33.0	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 10.254 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

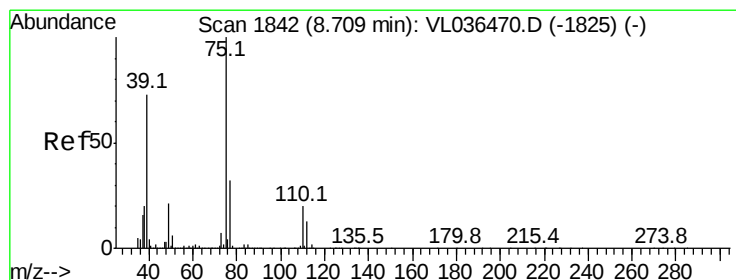
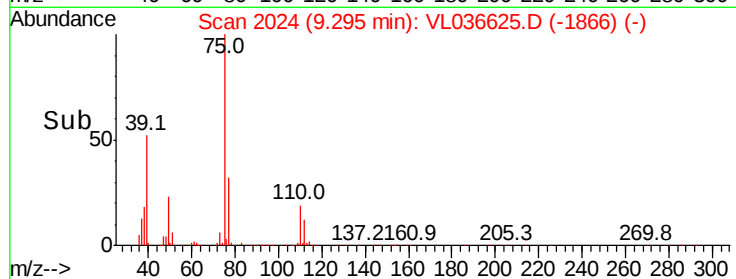
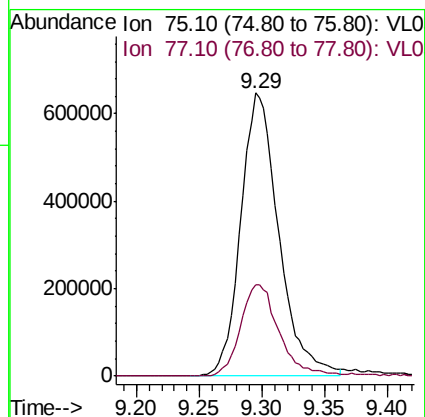
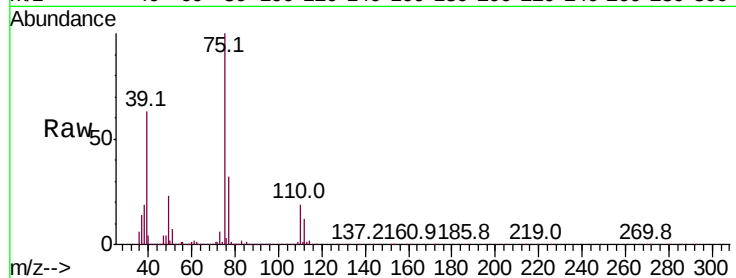
ClientSampleId :

Tot Ion: 75 Resp: 1360978

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 9.998 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

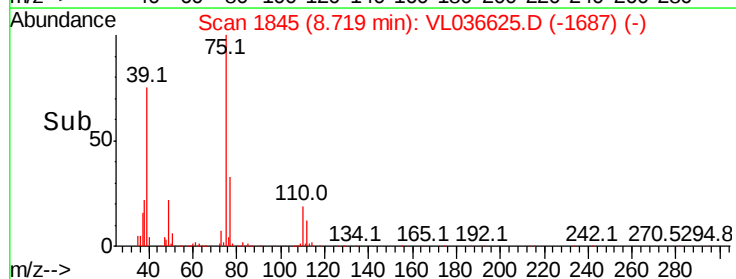
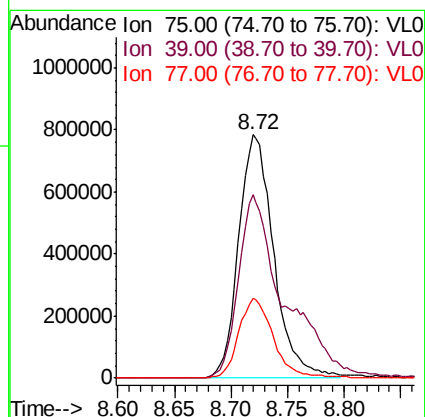
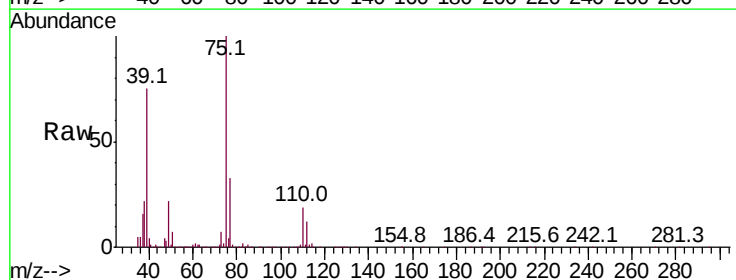
Tgt Ion: 75 Resp: 1696265

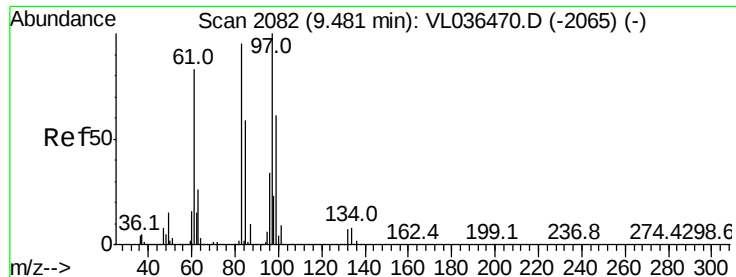
Ion Ratio Lower Upper

75 100

39 75.2 58.2 87.2

77 32.7 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.370 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1332598

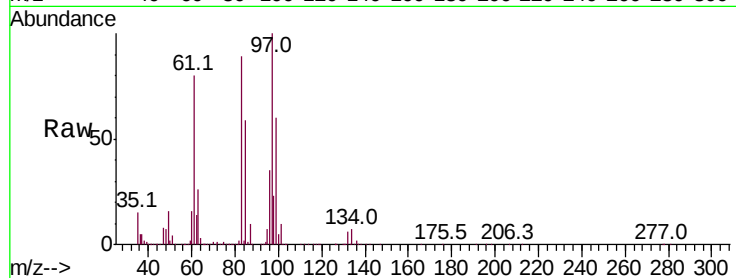
Ion Ratio Lower Upper

97 100

83 89.3 75.8 113.8

85 58.8 47.1 70.7

99 59.8 49.2 73.8

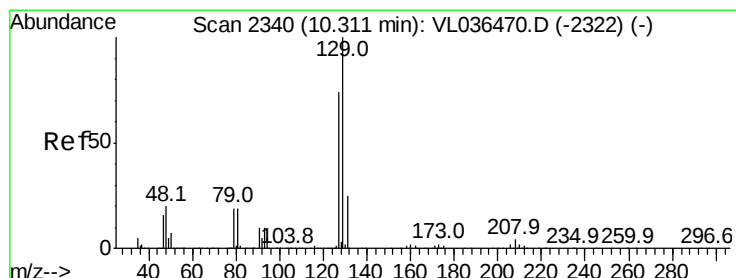
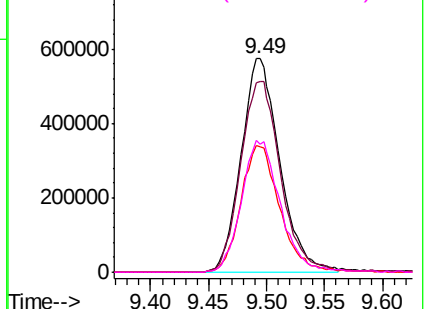
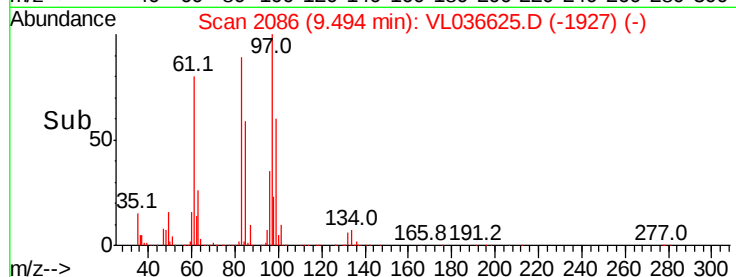


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.003 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.01 min

Lab File: VL036625.D

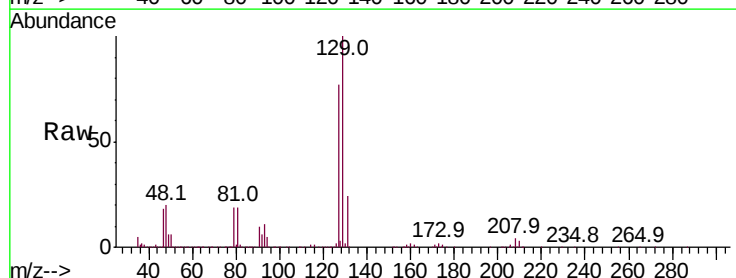
Acq: 1 Apr 2021 6:55

Tgt Ion: 129 Resp: 2168761

Ion Ratio Lower Upper

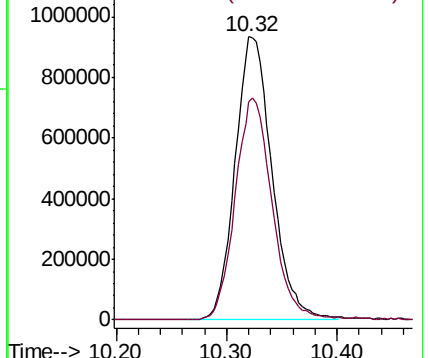
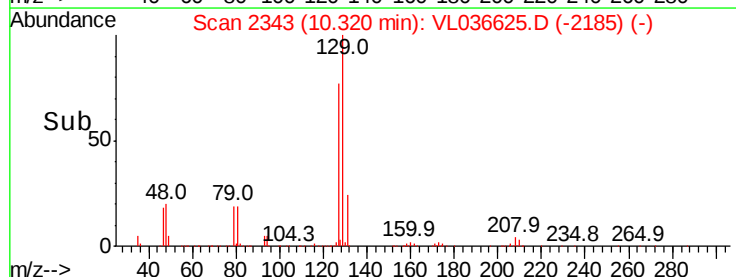
129 100

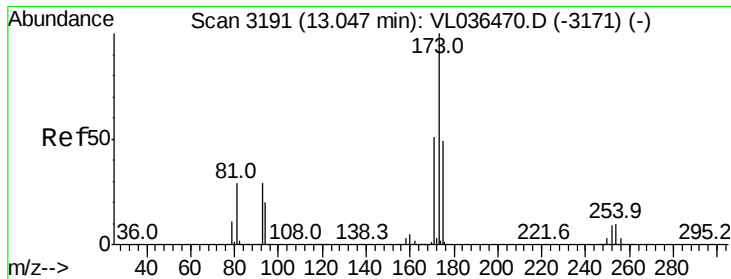
127 78.0 39.6 118.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.678 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampled :

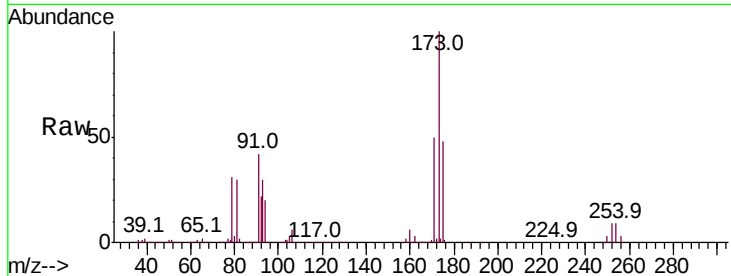
Tot Ion:173 Resp: 1690588

Ion Ratio Lower Upper

173 100

175 49.3 39.6 59.4

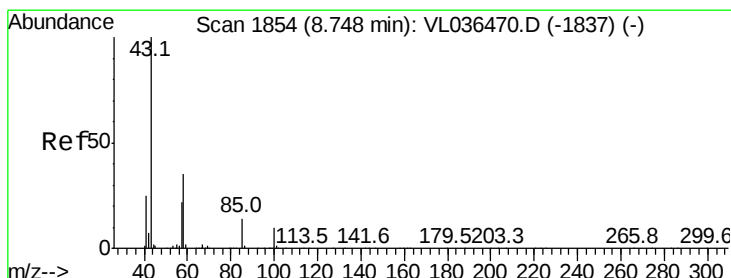
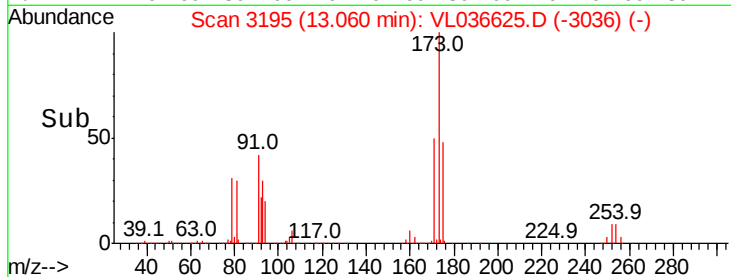
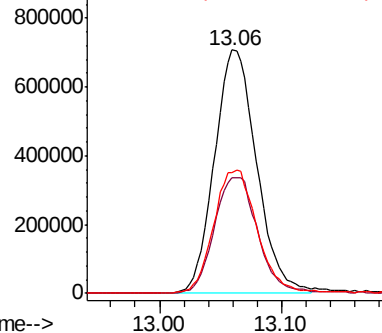
171 53.0 41.4 62.0



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: 10.067 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.01 min

Lab File: VL036625.D

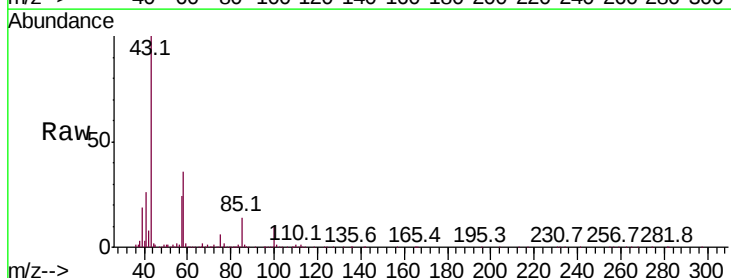
Acq: 1 Apr 2021 6:55

Tgt Ion: 43 Resp: 2668526

Ion Ratio Lower Upper

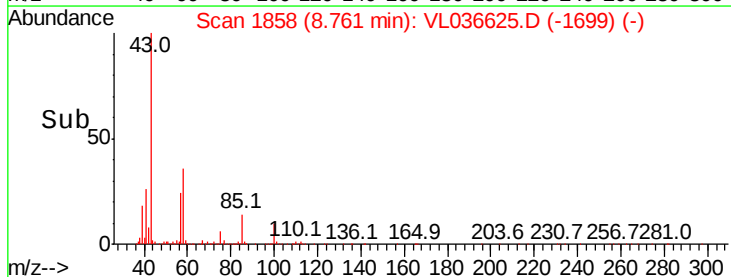
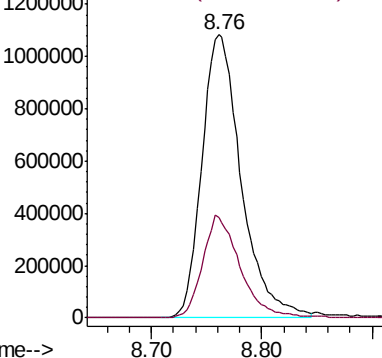
43 100

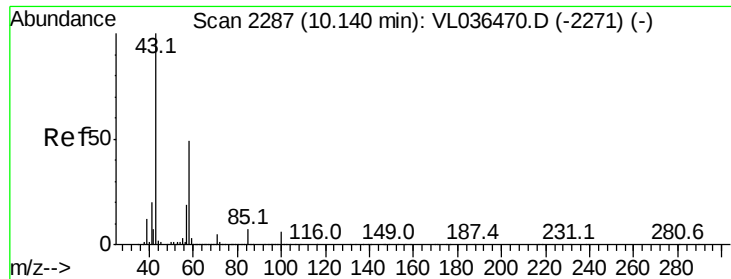
58 35.1 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

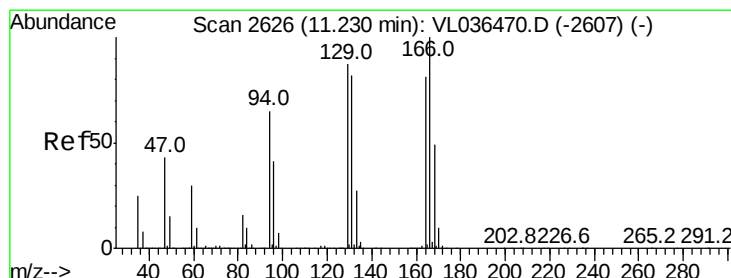
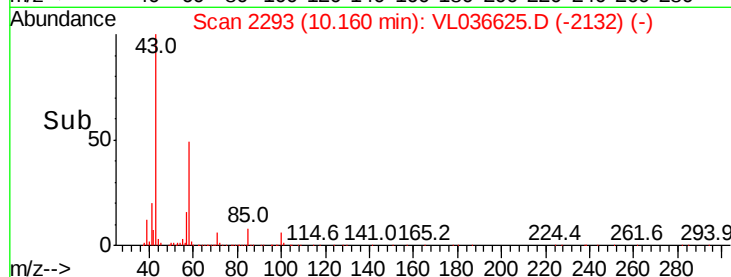
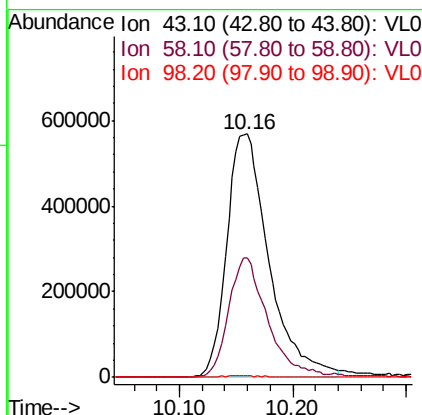
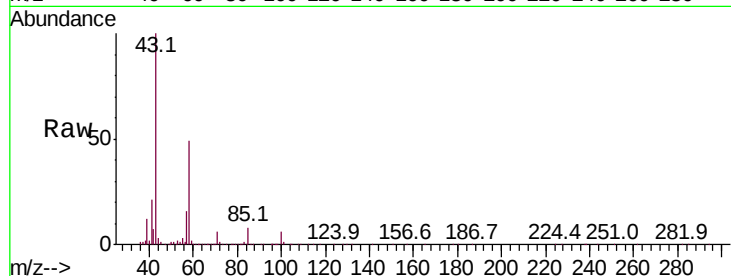




#51
2-Hexanone
Concen: 10.991 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

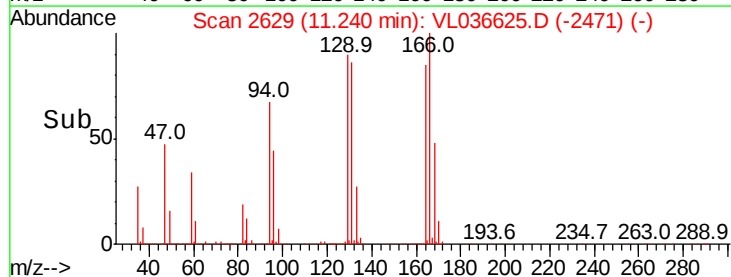
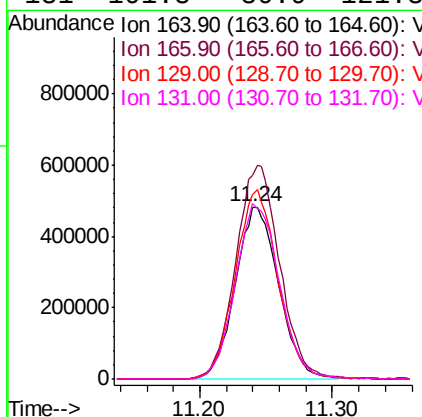
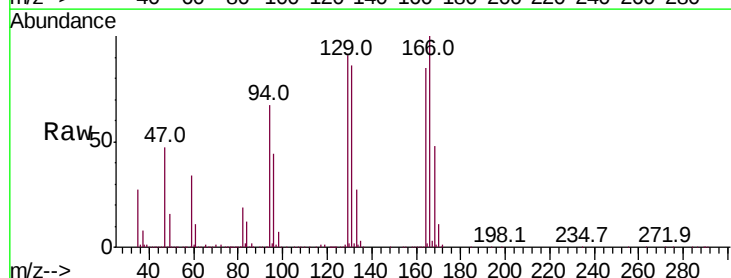
Instrument :
MSVOA_L
ClientSampleId :

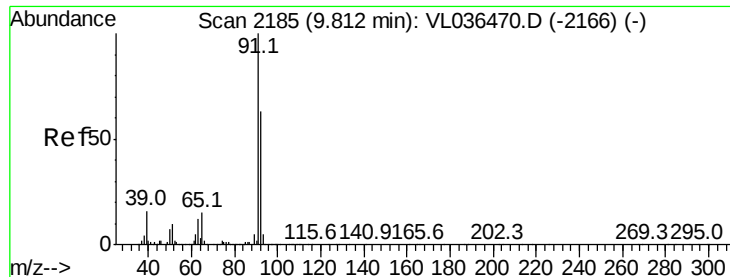
Tot Ion: 43 Resp: 1470243
Ion Ratio Lower Upper
43 100
58 46.4 37.7 56.5
98 0.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.554 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 164 Resp: 1090266
Ion Ratio Lower Upper
164 100
166 118.1 98.3 147.5
129 107.0 85.8 128.8
131 101.8 80.9 121.3





#53

Toluene

Concen: 9.977 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

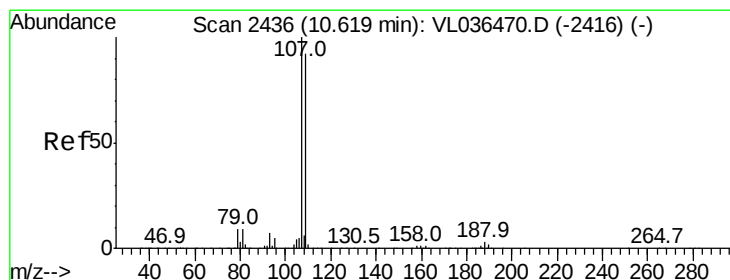
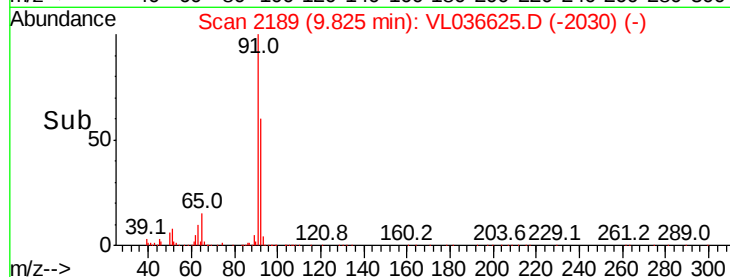
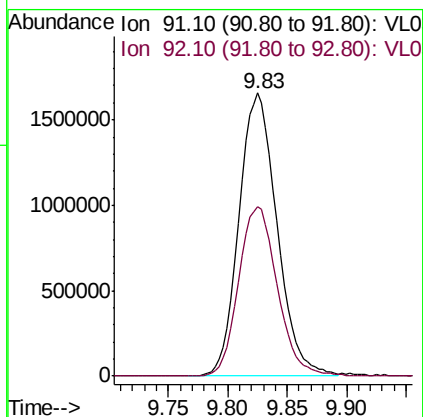
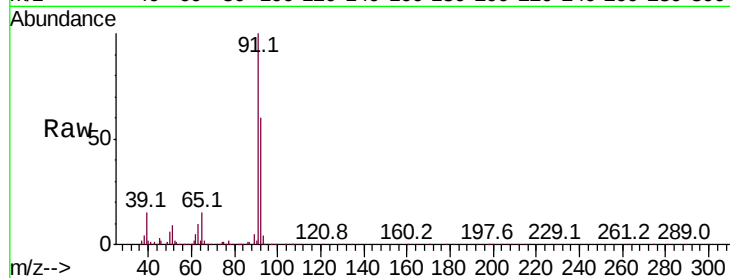
ClientSampleId :

Tot Ion: 91 Resp: 3677702

Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.409 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL036625.D

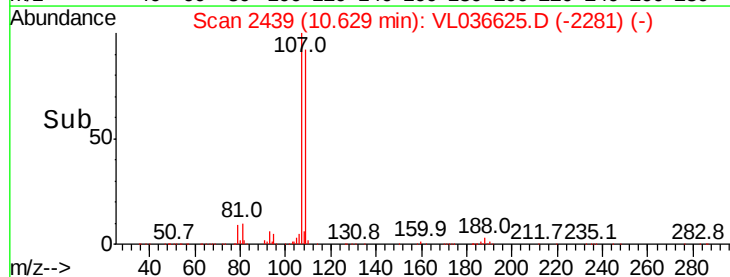
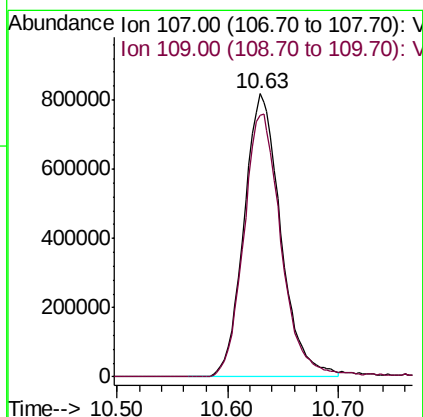
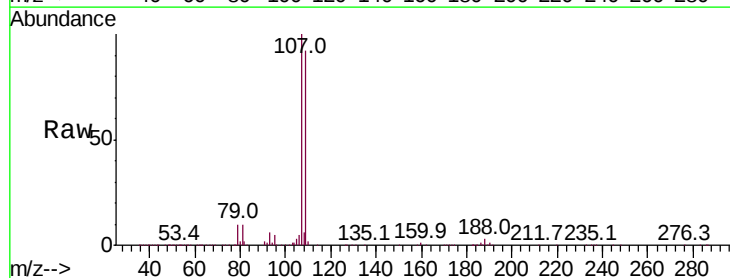
Acq: 1 Apr 2021 6:55

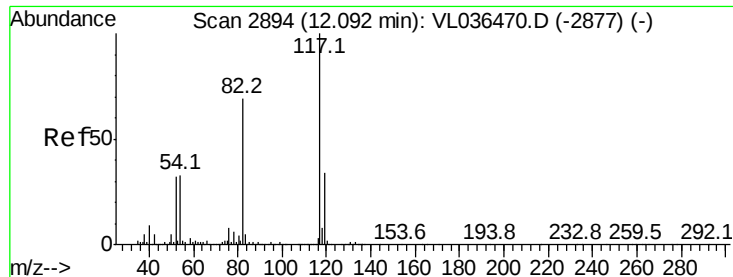
Tgt Ion: 107 Resp: 1889720

Ion Ratio Lower Upper

107 100

109 92.3 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

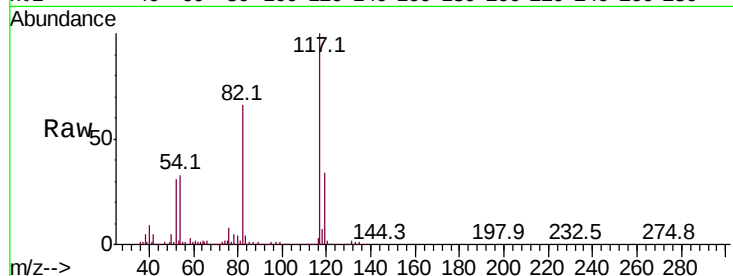
Tot Ion:117 Resp: 4266510

Ion Ratio Lower Upper

117 100

82 55.5 57.4 86.0#

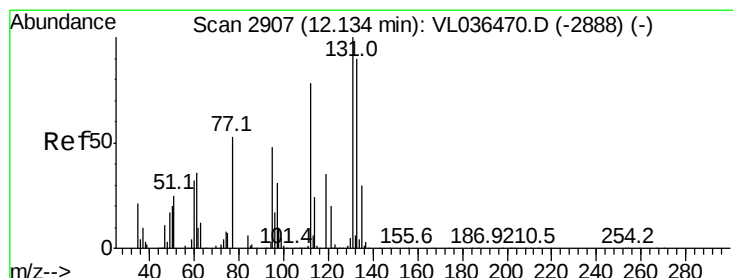
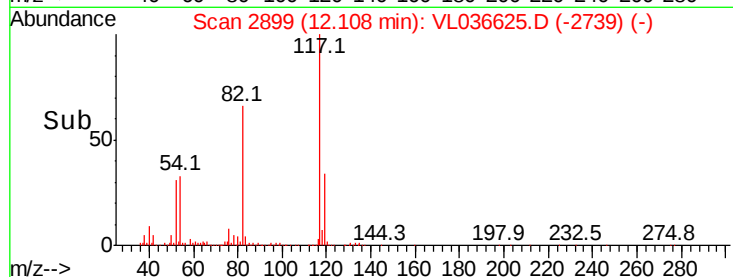
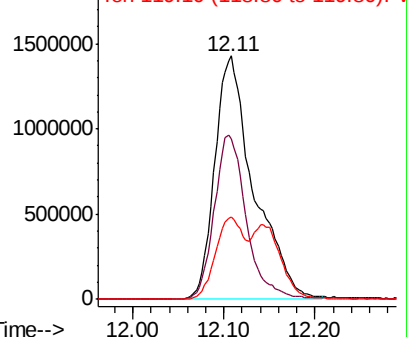
119 23.8 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.502 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

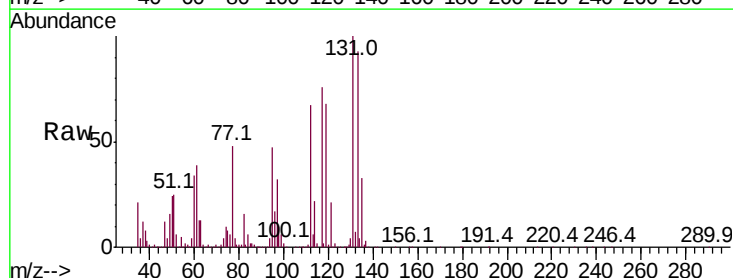
Tgt Ion:131 Resp: 1447639

Ion Ratio Lower Upper

131 100

133 96.1 75.8 113.6

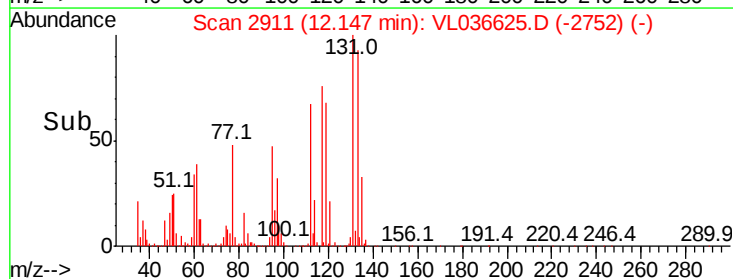
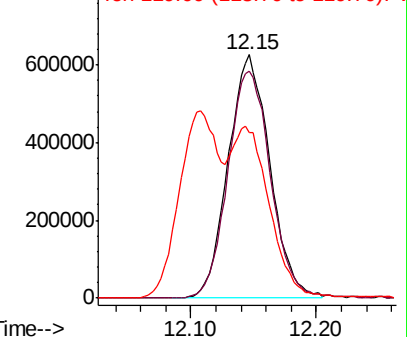
119 60.7 48.7 73.1

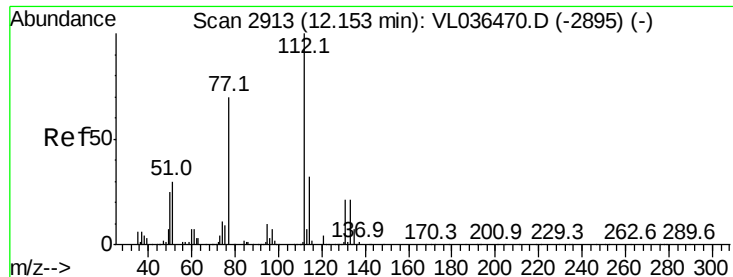


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

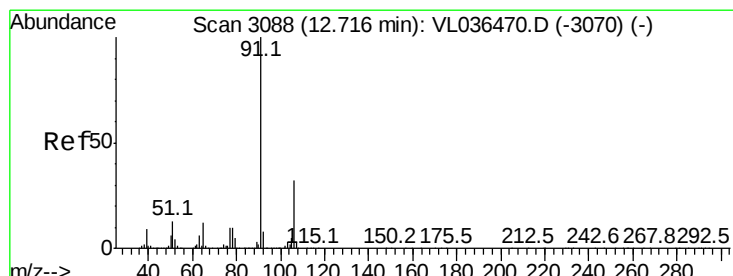
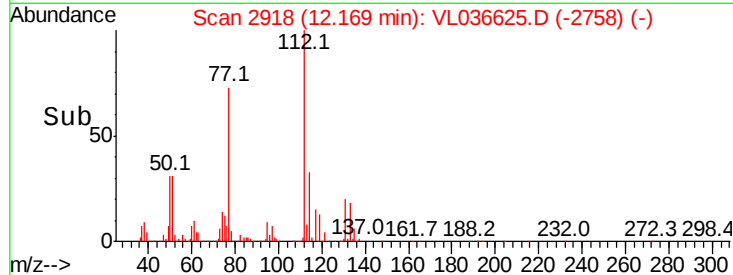
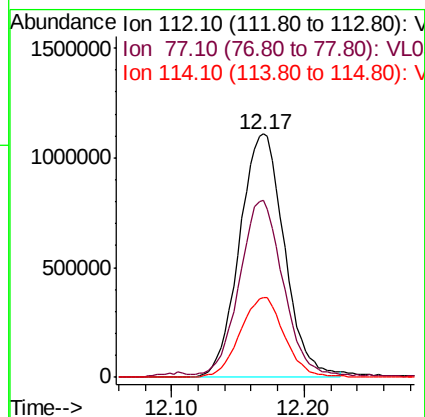
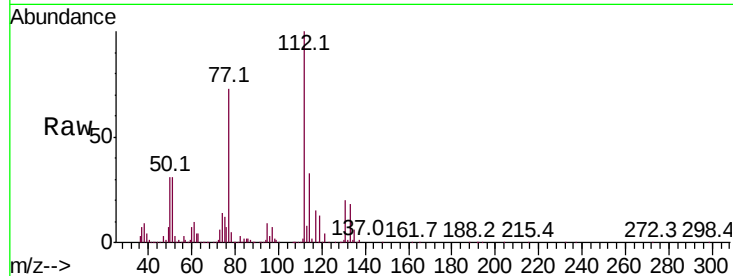




#57
Chlorobenzene
Concen: 7.162 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

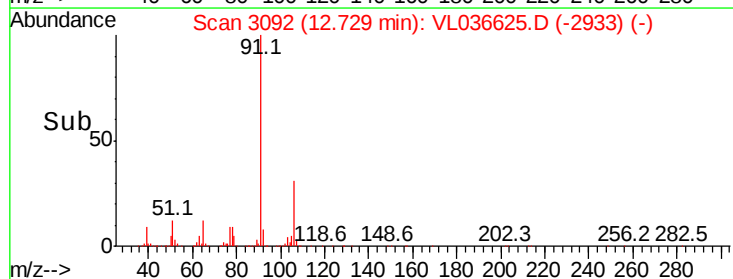
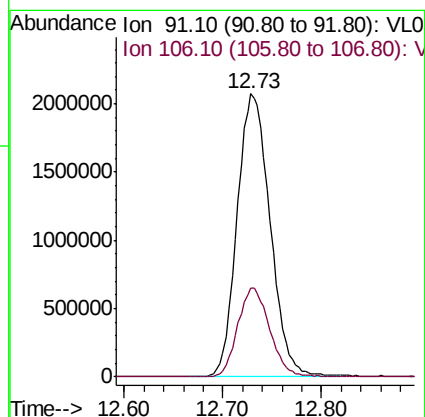
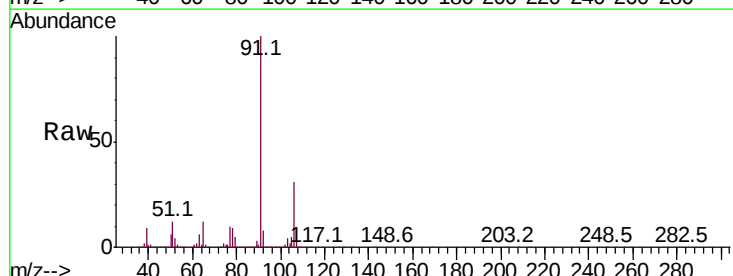
Instrument :
MSVOA_L
ClientSampled :

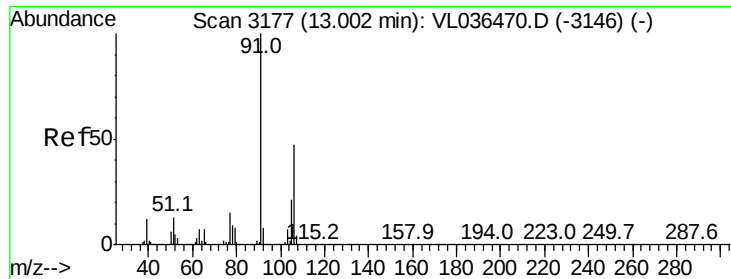
Tot Ion:112 Resp: 2599993
Ion Ratio Lower Upper
112 100
77 71.3 56.0 84.0
114 32.5 29.0 35.4



#58
Ethyl Benzene
Concen: 7.768 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 91 Resp: 4821579
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9





#59

m/p-Xylene

Concen: 6.697 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

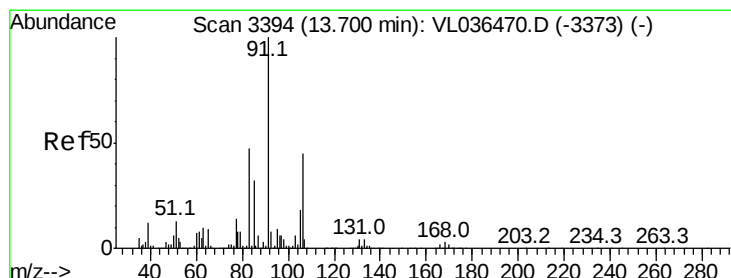
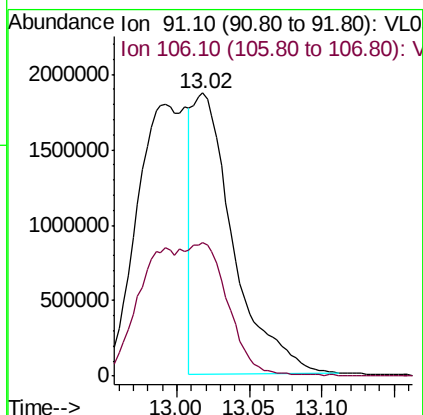
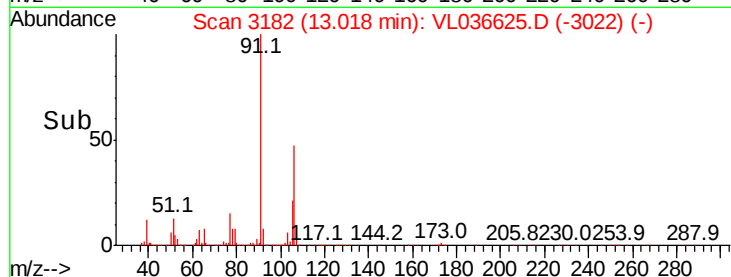
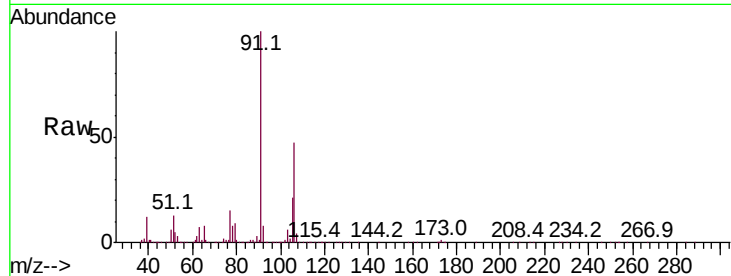
ClientSampled :

Tot Ion: 91 Resp: 3625742

Ion Ratio Lower Upper

91 100

106 98.2 35.3 52.9#



#60

o-Xylene

Concen: 7.261 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.02 min

Lab File: VL036625.D

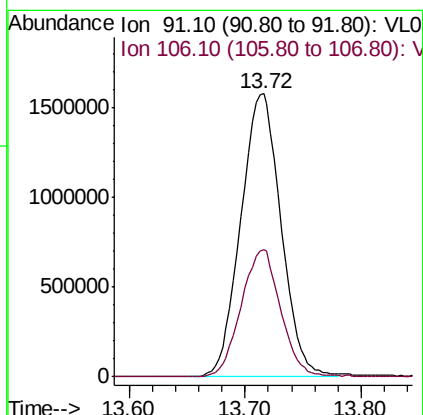
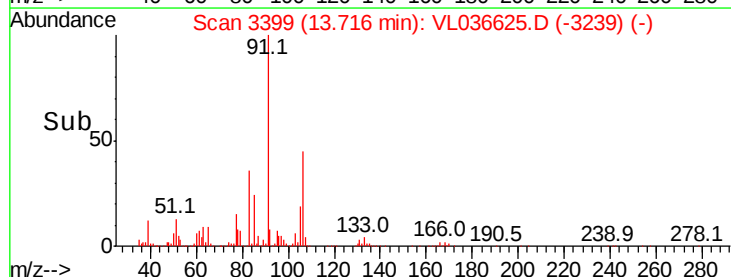
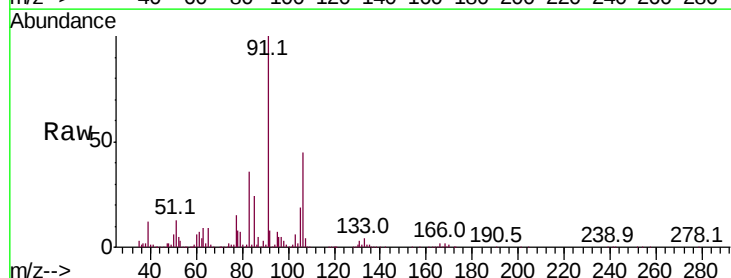
Acq: 1 Apr 2021 6:55

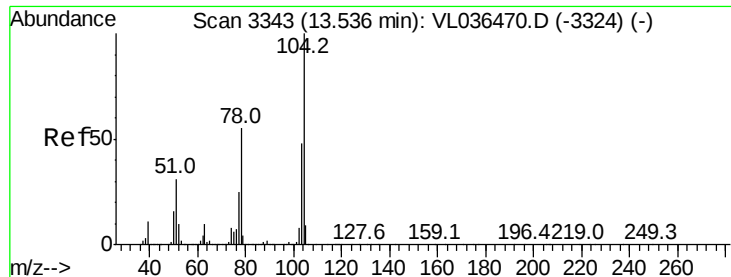
Tgt Ion: 91 Resp: 3800986

Ion Ratio Lower Upper

91 100

106 44.5 22.3 66.9





#61

Stvrene

Concen: 8.577 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampleId :

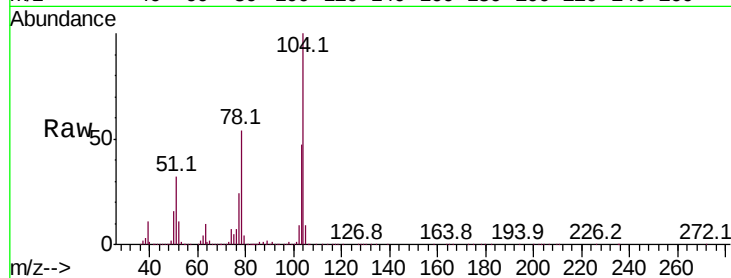
Tot Ion:104 Resp: 2258787

Ion Ratio Lower Upper

104 100

78 54.2 43.8 65.8

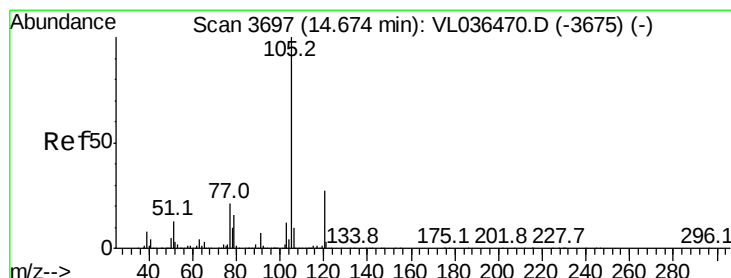
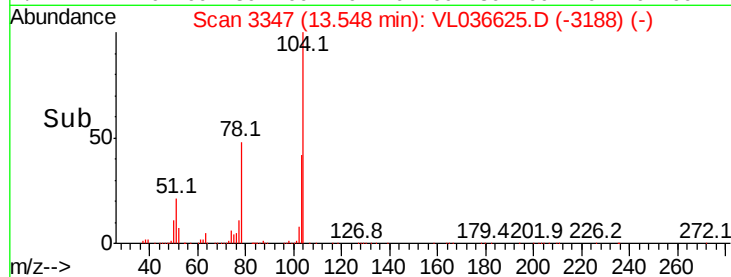
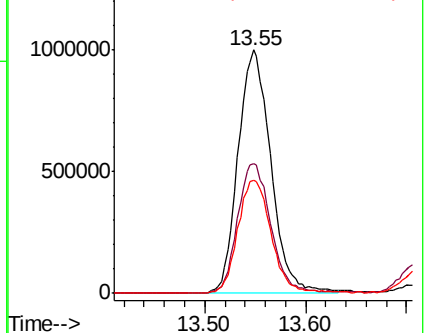
103 47.6 38.3 57.5



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: 7.275 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036625.D

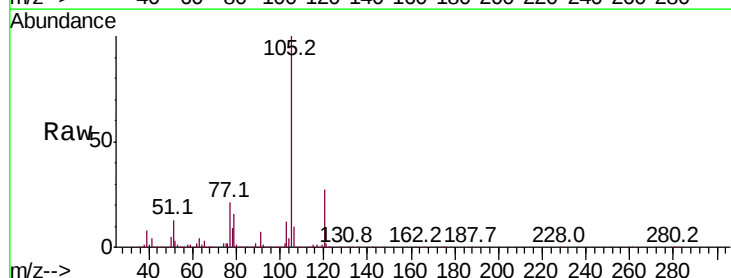
Acq: 1 Apr 2021 6:55

Tgt Ion:105 Resp: 5128418

Ion Ratio Lower Upper

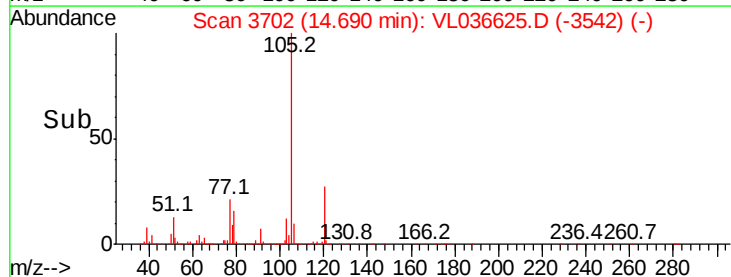
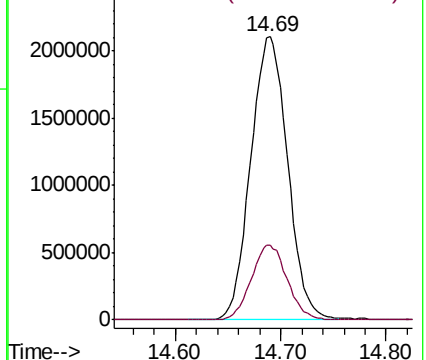
105 100

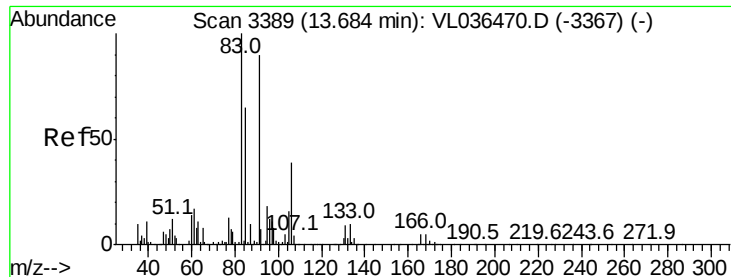
120 25.9 20.6 31.0



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: 6.742 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampled :

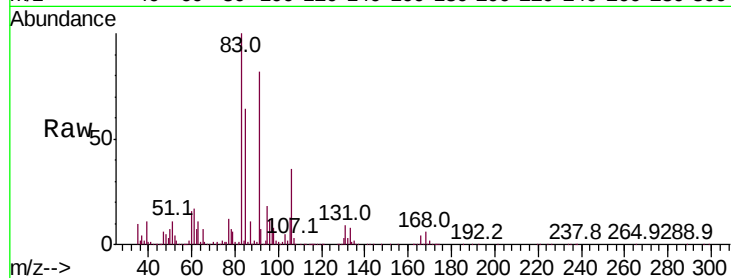
Tot Ion: 83 Resp: 2692419

Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	65.2	33.1	99.3

83 100

131 9.1 4.7 14.0

85 65.2 33.1 99.3

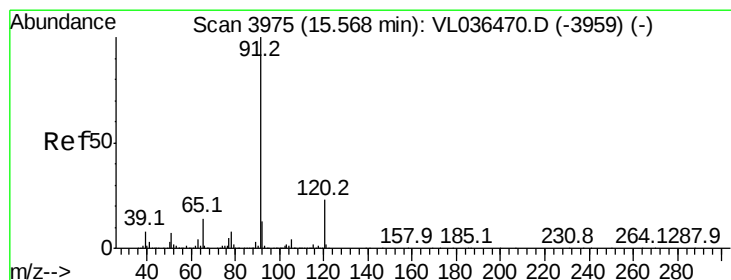
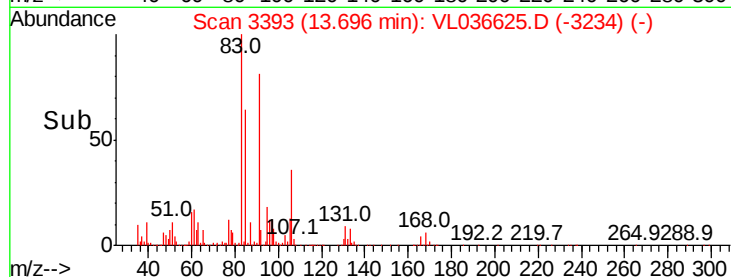
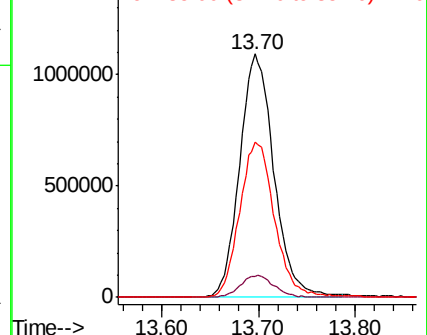


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.619 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VL036625.D

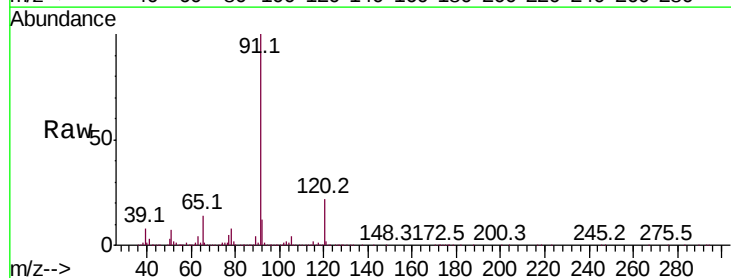
Acq: 1 Apr 2021 6:55

Tgt Ion: 120 Resp: 1313141

Ion	Ratio	Lower	Upper
120	100		
91	482.7	377.4	566.2

120 100

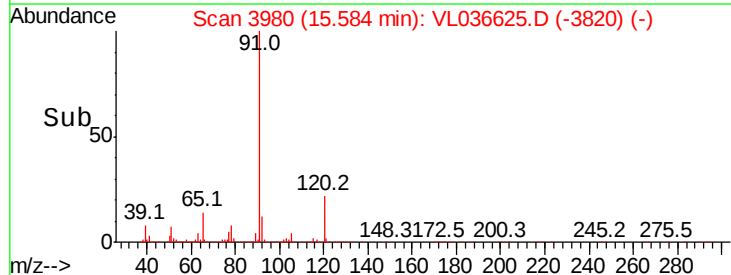
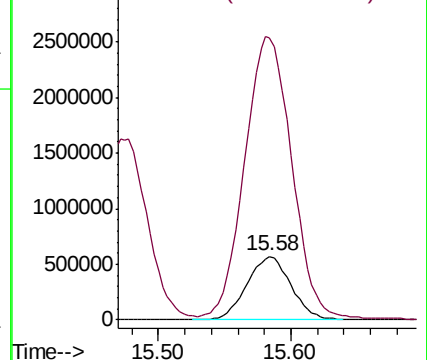
91 482.7 377.4 566.2

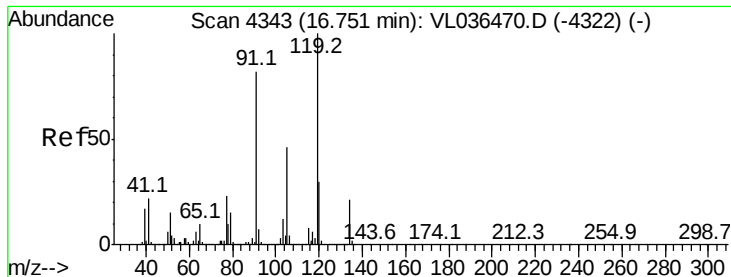


Abundance

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

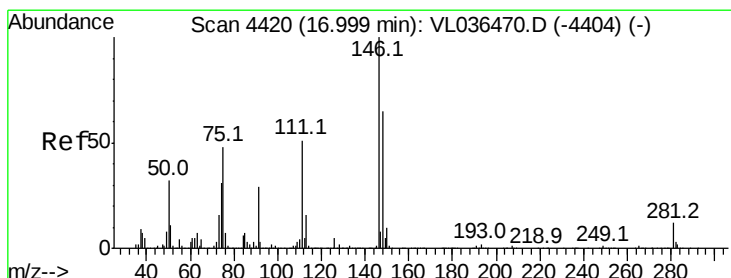
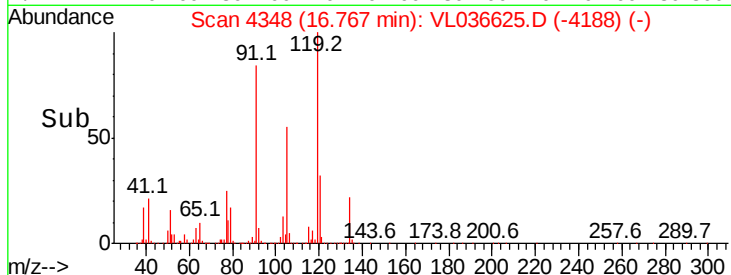
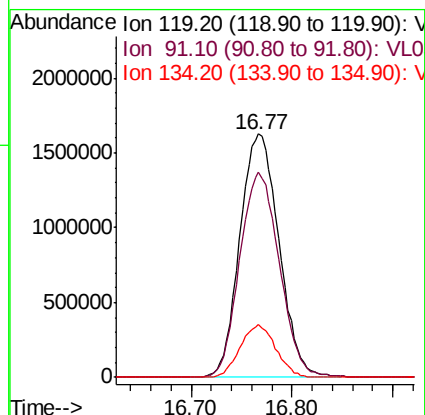
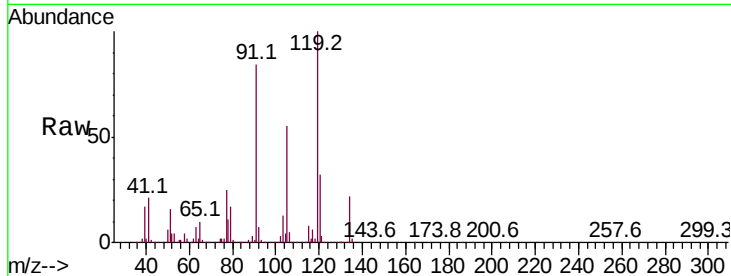




#65
tert-Butylbenzene
Concen: 7.158 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

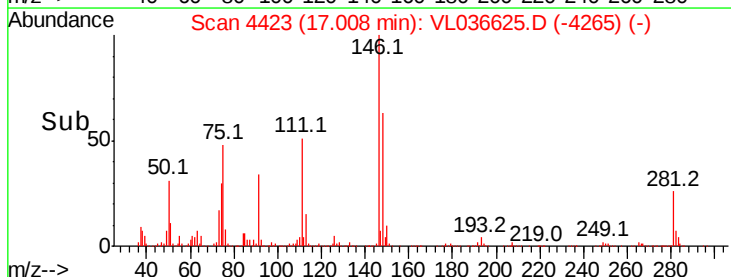
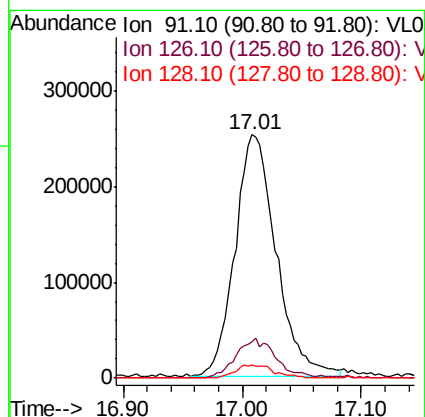
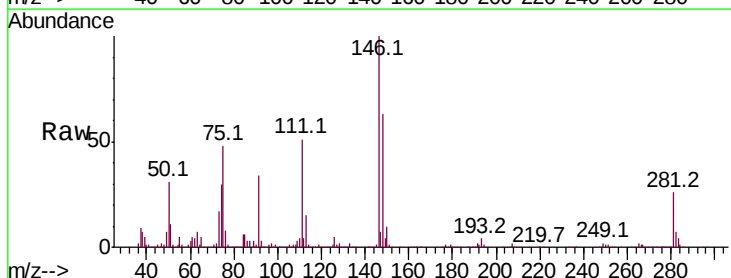
Instrument :
MSVOA_L
ClientSampleId :

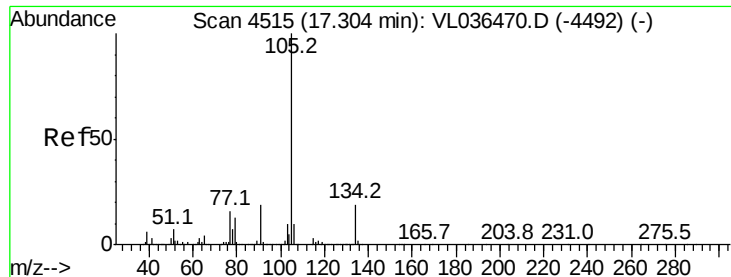
Tot Ion:119 Resp: 4375840
Ion Ratio Lower Upper
119 100
91 85.8 67.5 101.3
134 19.9 15.8 23.8



#66
Benzyl Chloride
Concen: 8.933 ppbv
RT: 17.01 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion: 91 Resp: 603602
Ion Ratio Lower Upper
91 100
126 16.0 13.5 20.3
128 5.4 4.2 6.4

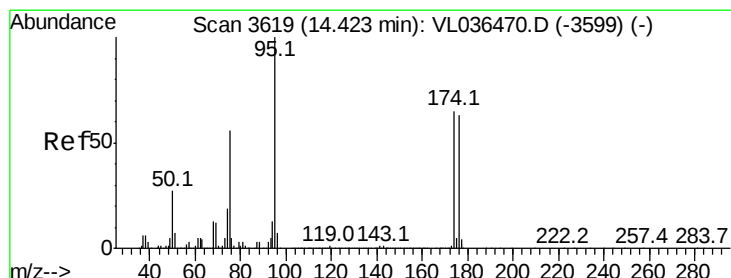
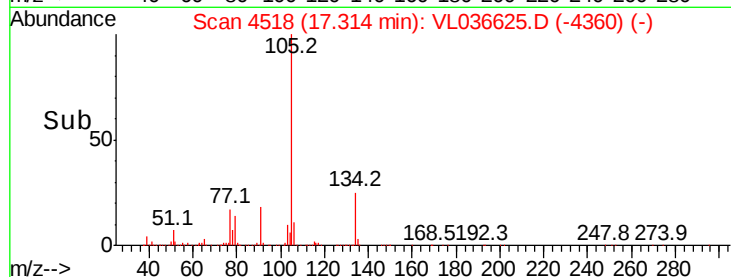
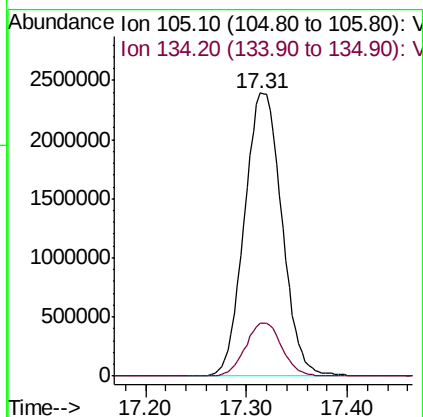
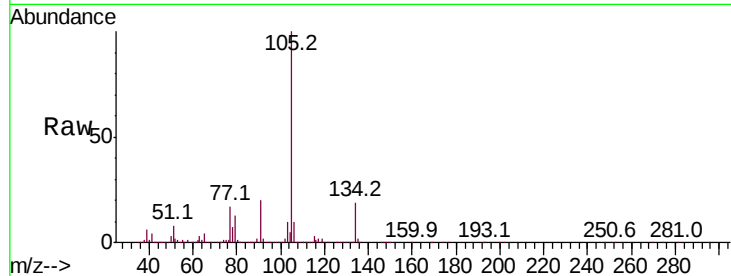




#67
 sec-Butylbenzene
 Concen: 7.134 ppbv
 RT: 17.31 min Scan# 4518
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

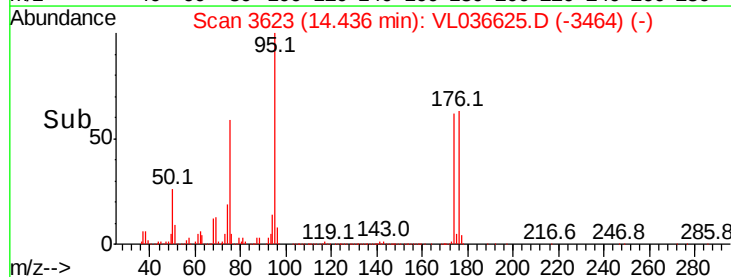
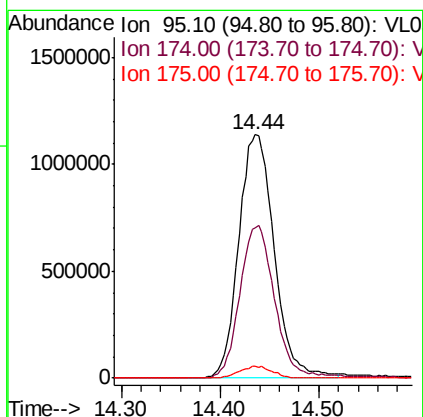
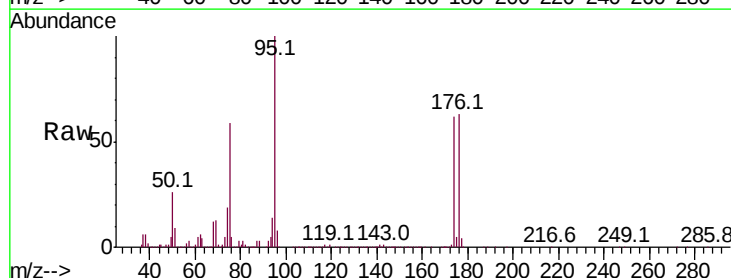
Instrument :
 MSVOA_L
 ClientSampleId :

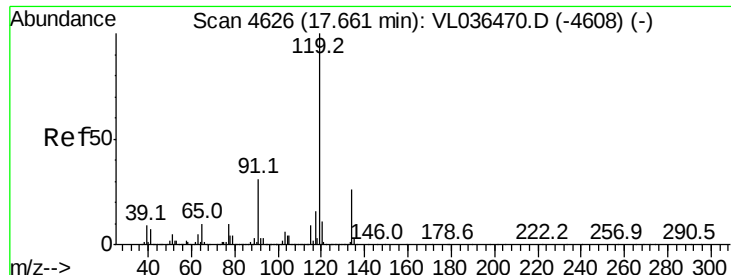
Tot Ion:105 Resp: 6155774
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.350 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 95 Resp: 2839302
 Ion Ratio Lower Upper
 95 100
 174 61.5 51.0 76.6
 175 4.7 3.9 5.9

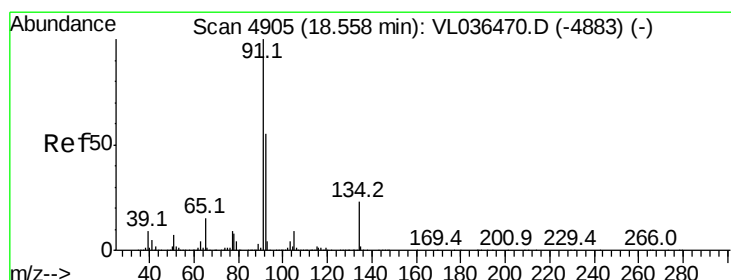
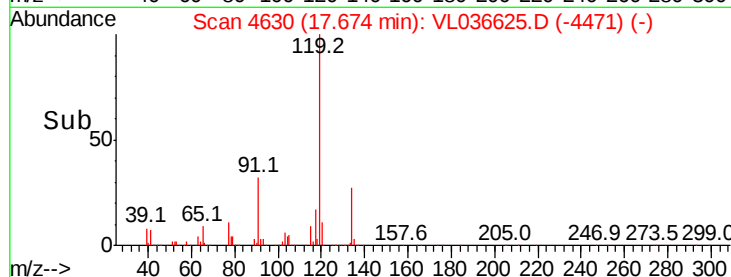
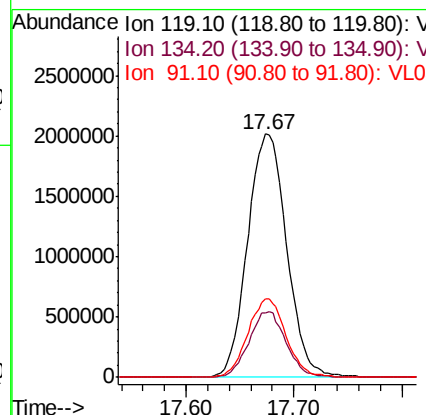
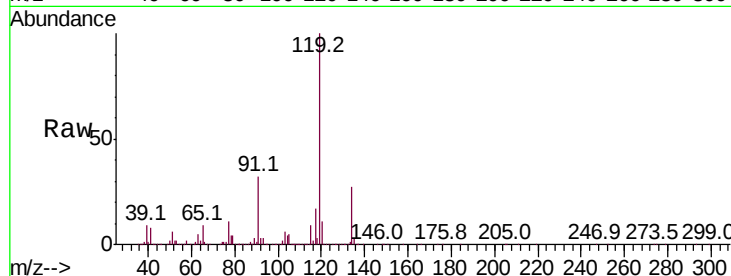




#69
 p-Isopropyltoluene
 Concen: 7.535 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

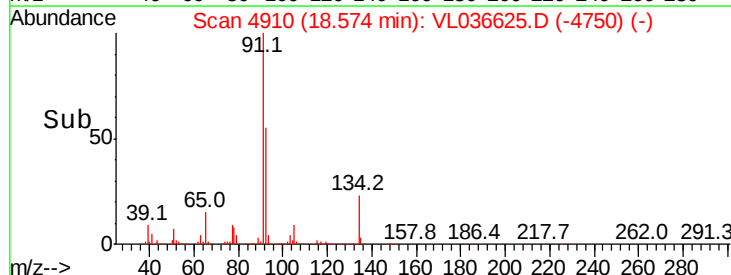
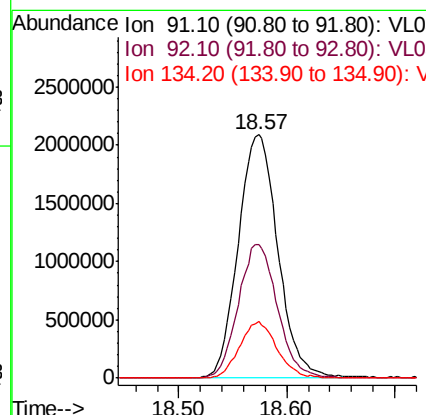
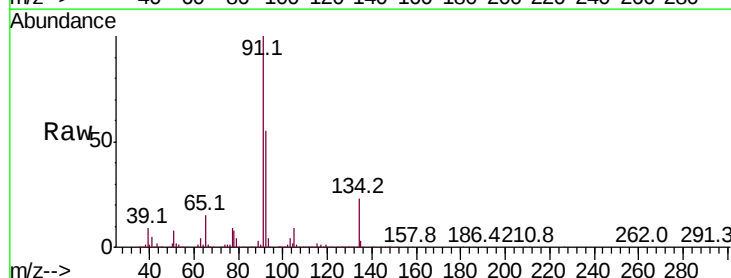
Instrument :
 MSVOA_L
 ClientSampleId :

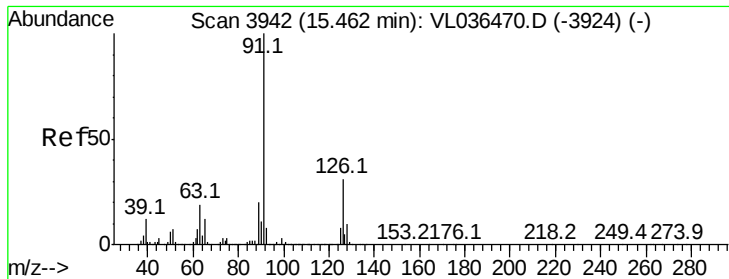
Tot Ion:119 Resp: 5077474
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 30.8
 91 31.5 25.0 37.6



#70
 n-Butylbenzene
 Concen: 7.651 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Tgt Ion: 91 Resp: 5345131
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.8 65.8
 134 22.2 18.0 27.0

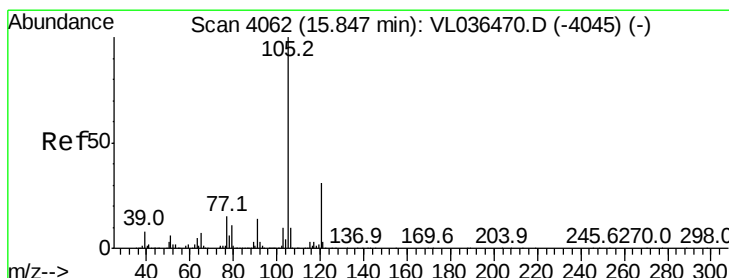
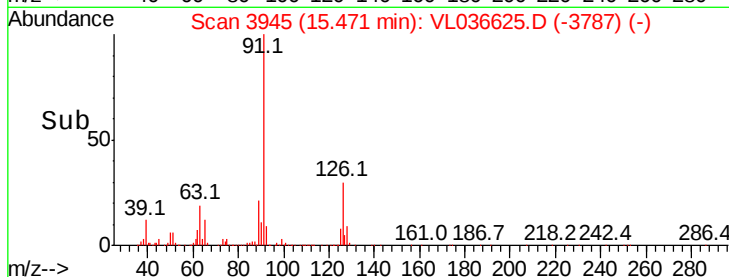
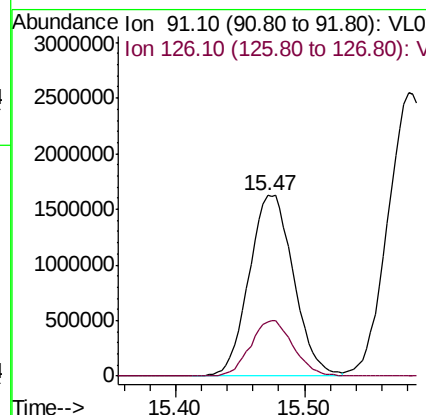
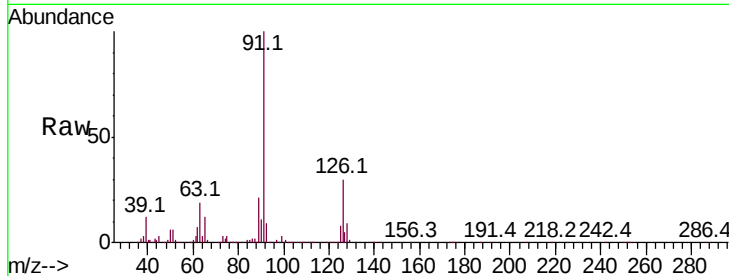




#71
2-Chlorotoluene
Concen: 7.404 ppbv
RT: 15.47 min Scan# 3945
Delta R.T. 0.01 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

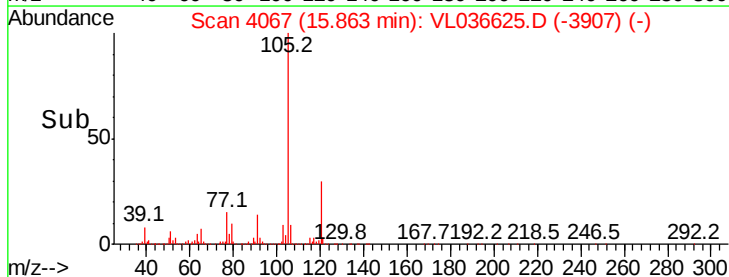
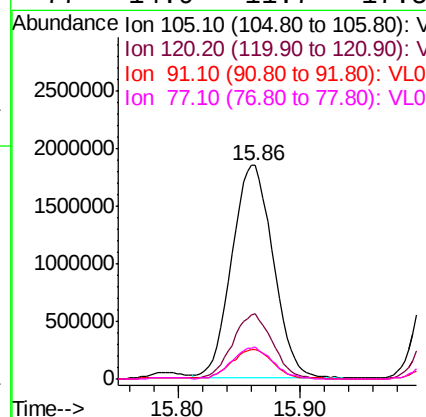
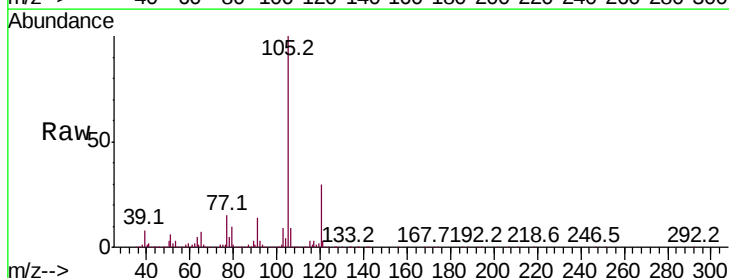
Instrument :
MSVOA_L
ClientSampled :

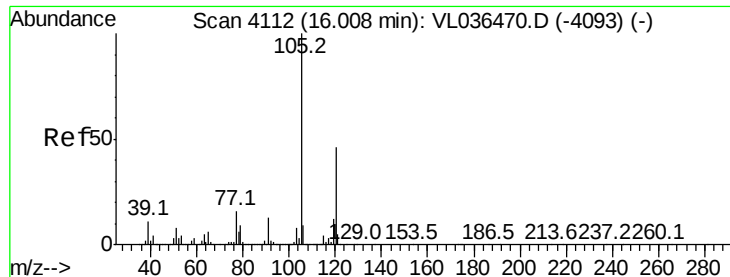
Tot Ion: 91 Resp: 3911036
Ion Ratio Lower Upper
91 100
126 29.9 12.1 48.5



#72
4-Ethyltoluene
Concen: 7.559 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. 0.02 min
Lab File: VL036625.D
Acq: 1 Apr 2021 6:55

Tgt Ion:105 Resp: 4336057
Ion Ratio Lower Upper
105 100
120 30.0 24.0 36.0
91 15.1 11.0 16.4
77 14.9 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.435 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

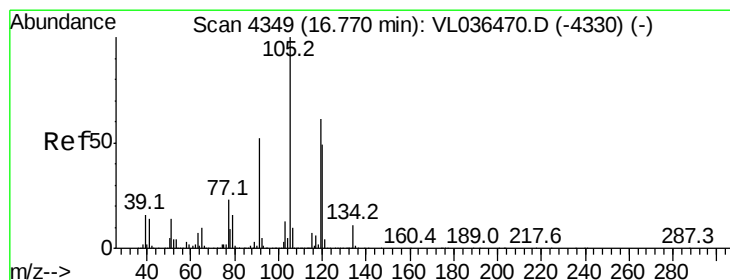
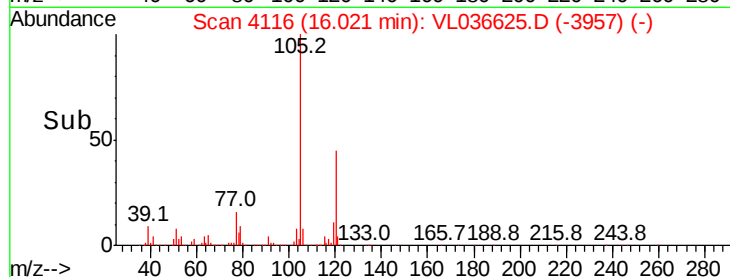
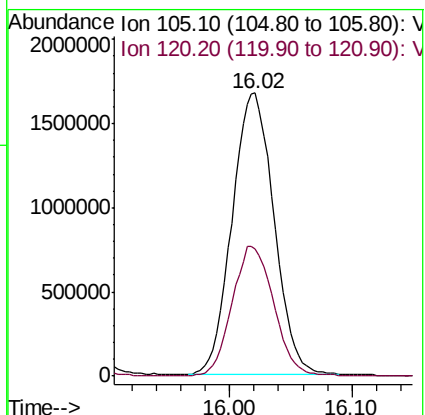
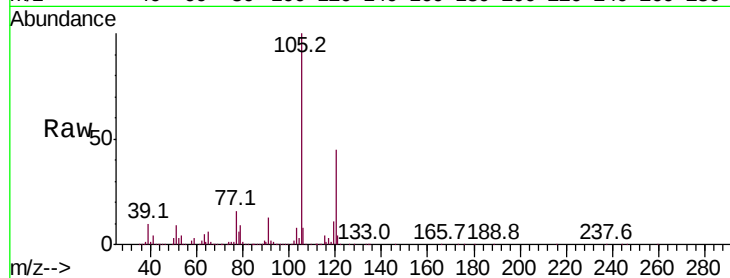
ClientSampleId :

Tot Ion:105 Resp: 3980499

Ion Ratio Lower Upper

105 100

120 44.9 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 7.083 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Tgt Ion:105 Resp: 4057796

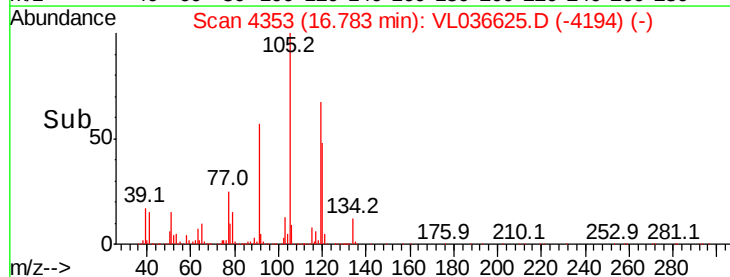
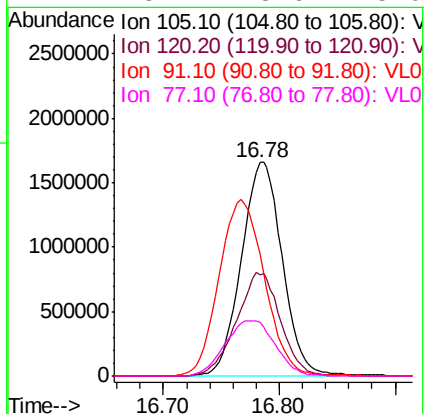
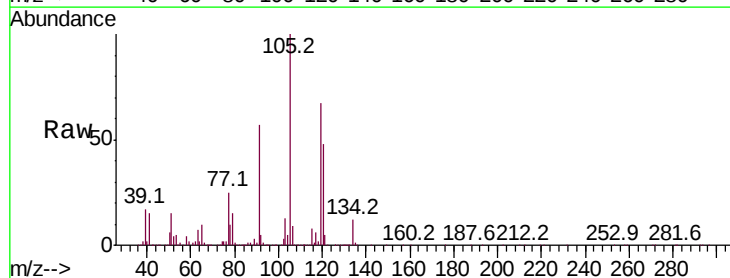
Ion Ratio Lower Upper

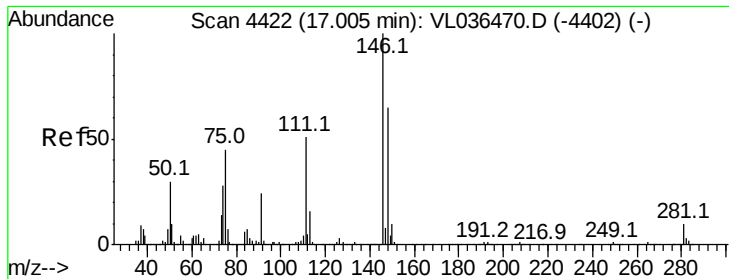
105 100

120 47.4 39.2 58.8

91 56.5 42.6 64.0

77 25.1 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 6.885 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampled :

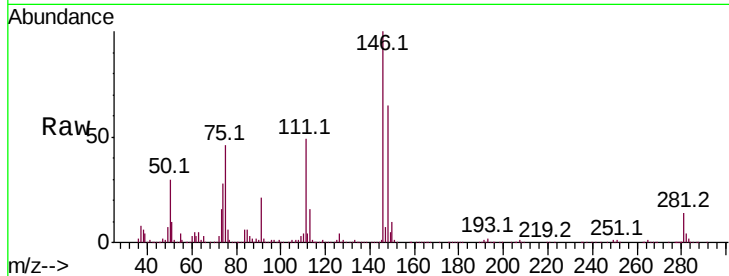
Tot Ion:146 Resp: 2220162

Ion Ratio Lower Upper

146 100

111 49.5 24.5 73.5

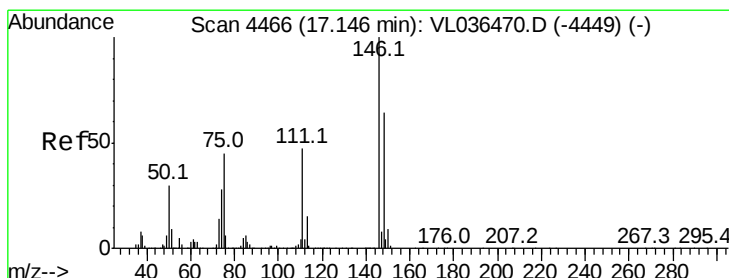
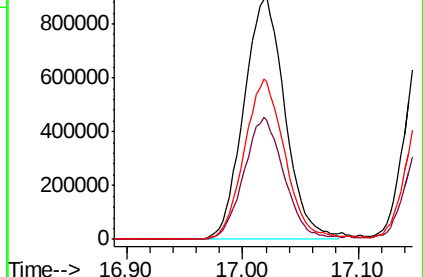
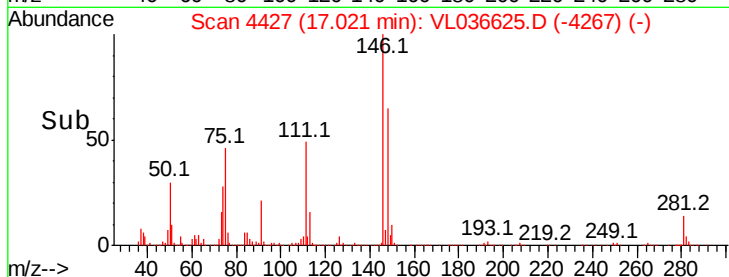
148 65.3 32.3 96.9



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: 6.804 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

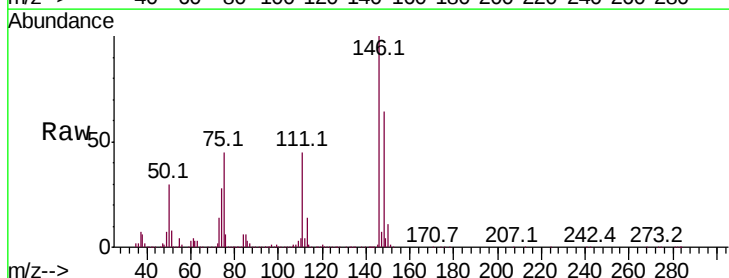
Tgt Ion:146 Resp: 2178468

Ion Ratio Lower Upper

146 100

111 47.4 24.3 72.8

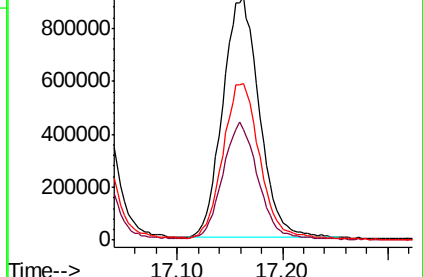
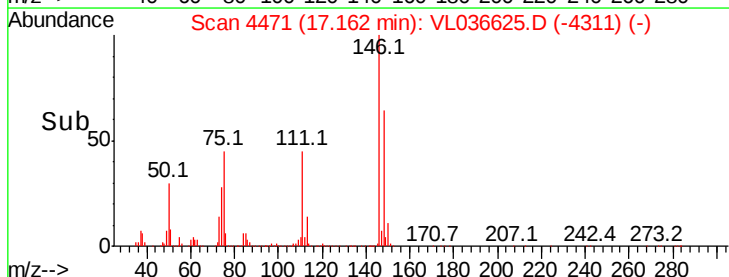
148 67.0 33.0 98.9

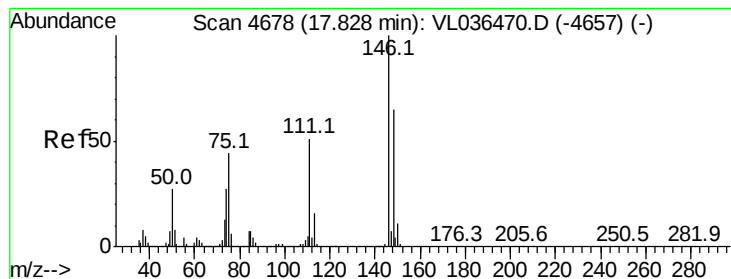


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.171 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. 0.01 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampled :

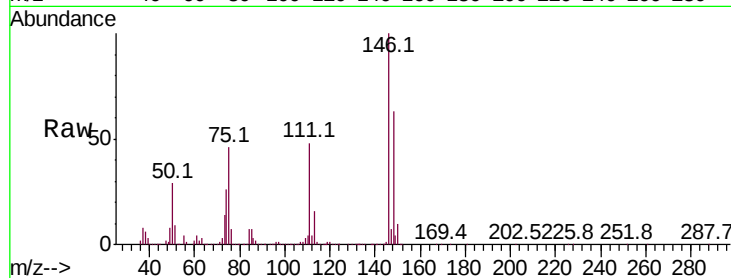
Tot Ion:146 Resp: 2173690

Ion Ratio Lower Upper

146 100

111 49.8 25.5 76.5

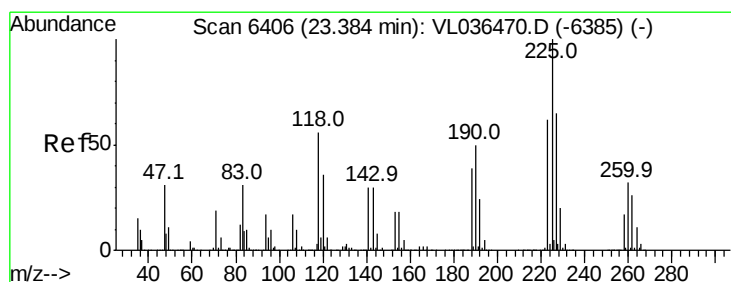
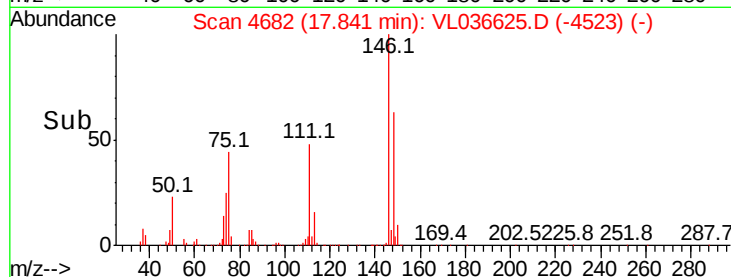
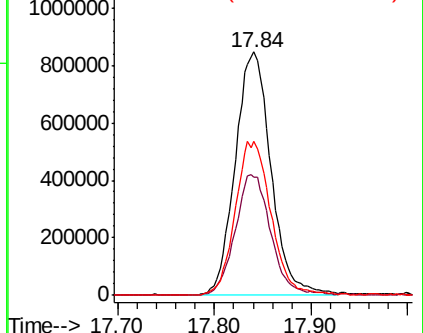
148 63.6 32.9 98.6



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: 6.771 ppbv

RT: 23.40 min Scan# 6411

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

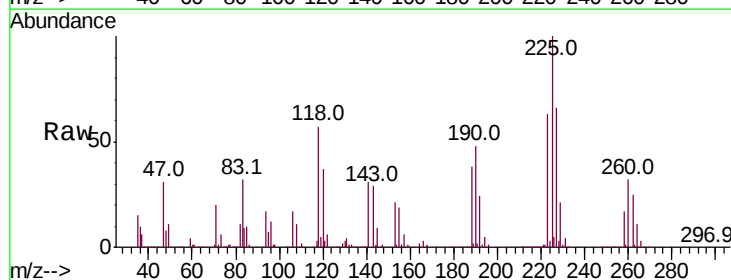
Tgt Ion:225 Resp: 1838218

Ion Ratio Lower Upper

225 100

223 64.4 50.6 75.8

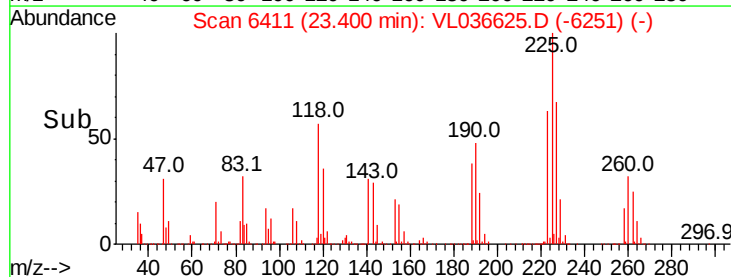
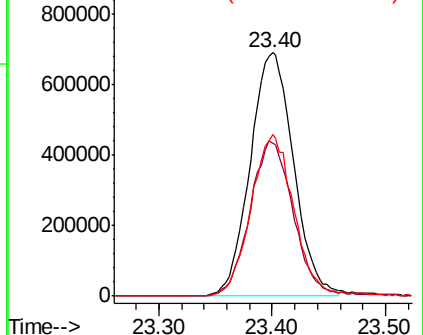
227 66.4 52.2 78.2

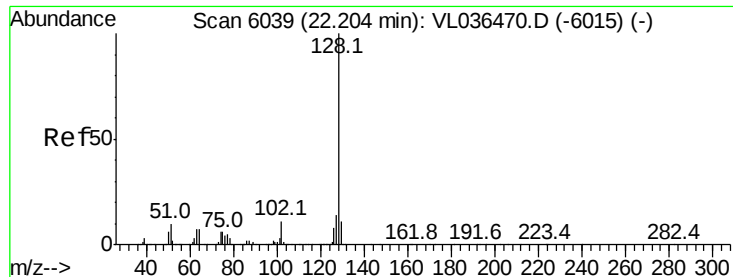


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.864 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. 0.02 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

Instrument :

MSVOA_L

ClientSampled :

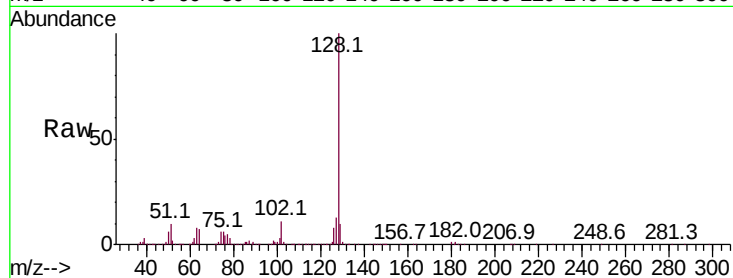
Tot Ion:128 Resp: 3297729

Ion Ratio Lower Upper

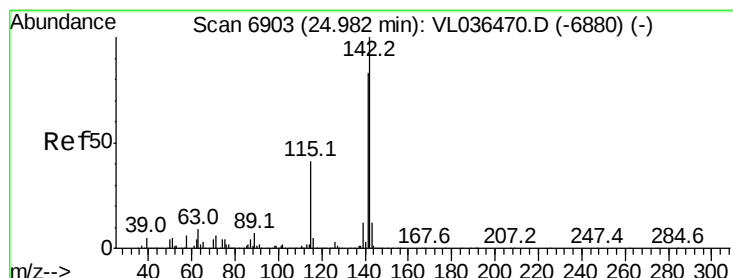
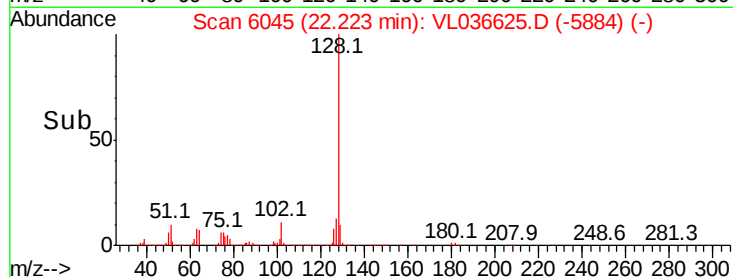
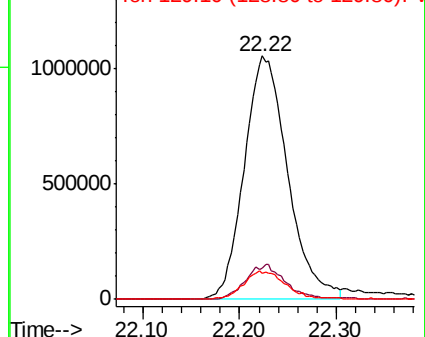
128 100

127 13.0 10.9 16.3

129 10.5 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: 4.065 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. 0.03 min

Lab File: VL036625.D

Acq: 1 Apr 2021 6:55

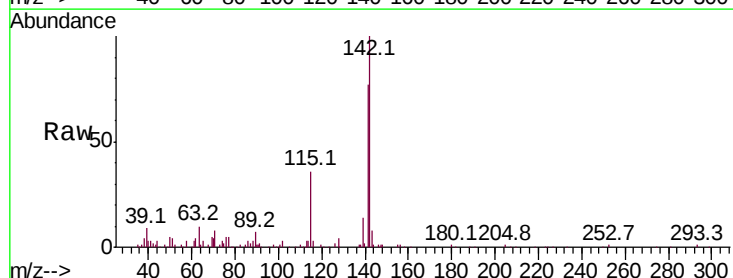
Tgt Ion:142 Resp: 267965

Ion Ratio Lower Upper

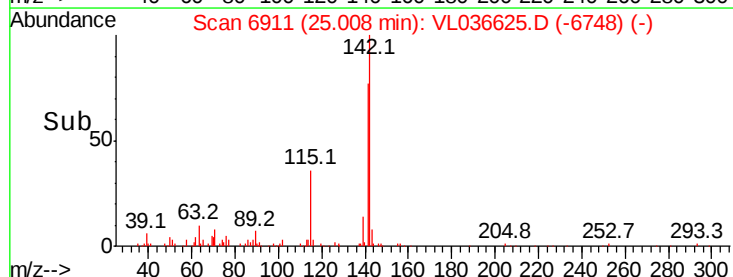
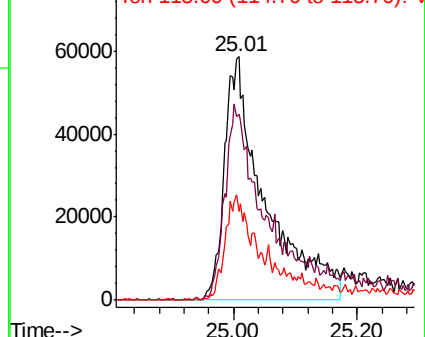
142 100

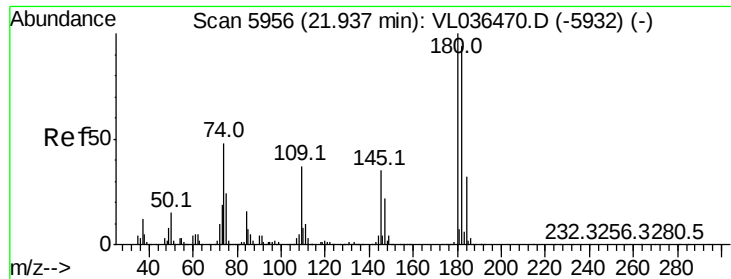
141 84.0 67.8 101.8

115 44.6 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

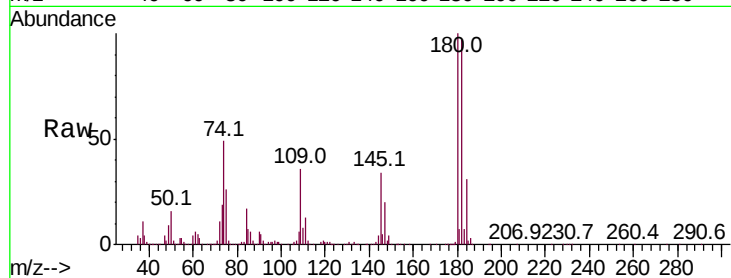




#81
 1,2,4-Trichlorobenzene
 Concen: 8.632 ppbv
 RT: 21.95 min Scan# 5961
 Delta R.T. 0.02 min
 Lab File: VL036625.D
 Acq: 1 Apr 2021 6:55

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1781773
 Ion Ratio Lower Upper
 180 100
 182 101.1 80.8 121.2
 184 32.1 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

