

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036589.D
 Acq On : 31 Mar 2021 4:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:19:38 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	5.66	49	1308264	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3189885	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3845977	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2494076	8.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2510495	11.765	ppbv	96
3) Chlorodifluoromethane	2.98	51	2777076	11.361	ppbv	100
4) Chloromethane	3.13	50	1013382	11.737	ppbv	99
5) Vinyl Chloride	3.25	62	1013941	11.421	ppbv	99
6) Bromomethane	3.46	94	555768	11.371	ppbv	93
7) Chloroethane	3.55	64	358705	11.759	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	2337826	11.479	ppbv	98
9) Propene	3.00	41	924790	11.868	ppbv	98
10) Heptane	8.11	43	2387322	12.026	ppbv	100
11) Trichlorofluoromethane	3.94	101	2506723	11.527	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1637034	11.774	ppbv	98
13) Ethanol	3.60	45	63413	6.834	ppbv	79
14) Bromoethene	3.73	108	705294	12.202	ppbv	97
15) Acetone	3.84	43	1398046	10.857	ppbv	100
16) 1,3-Butadiene	3.32	39	1058160	11.804	ppbv	100
17) tert-Butyl alcohol	4.28	59	1264034	11.277	ppbv	98
18) 1,1-Dichloroethene	4.28	96	722517	11.683	ppbv	92
19) Isopropyl Alcohol	3.96	45	713979	10.080	ppbv	99
20) Methylene Chloride	4.34	84	614219	10.188	ppbv	98
21) Allyl Chloride	4.40	41	1239917	12.080	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	681224	11.881	ppbv	91
23) Vinyl Acetate	5.07	43	2605335	11.829	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1878621	11.702	ppbv	# 98
25) Ethyl Acetate	5.67	43	3593577	11.739	ppbv	99
26) Hexane	5.68	57	1660361	11.688	ppbv	99
27) Carbon Disulfide	4.54	76	1812418	12.951	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	2028133	12.106	ppbv	99
29) Chloroform	5.74	83	2610600	11.491	ppbv	98
30) Cyclohexane	7.12	84	1411964	12.255	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1671636	12.166	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2607180	11.387	ppbv	98
34) 2-Butanone	5.24	43	1795590	11.532	ppbv	99
35) Carbon Tetrachloride	7.01	117	2753530	11.239	ppbv	96
36) Benzene	6.88	78	3414018	11.605	ppbv	98
37) 1,2-Dichloroethane	6.30	62	2024233	11.690	ppbv	100
38) Trichloroethene	7.83	130	1215383	10.616	ppbv	98
39) 1,2-Dichloropropane	7.61	63	1359445	11.391	ppbv	97
40) 1,4-Dioxane	7.83	88	158897	5.721	ppbv	# 1
41) Tetrahydrofuran	6.04	42	828972	11.547	ppbv	96
42) Bromodichloromethane	7.78	83	2853860	12.117	ppbv	99
43) Methyl Methacrylate	8.01	69	1249919	12.652	ppbv	99

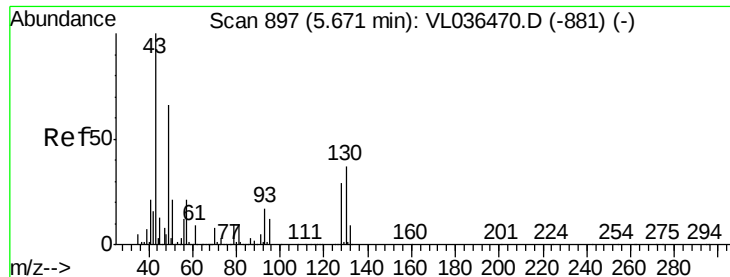
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036589.D
 Acq On : 31 Mar 2021 4:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:19:38 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)
44) 2,2,4-Trimethylpentane	7.86	57	5836155	11.272	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1381220	12.244	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1718209	11.916	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1360161	11.252	ppbv	98
48) Dibromochloromethane	10.29	129	2239674	12.155	ppbv	100
49) Bromoform	13.03	173	1744146	11.748	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2773919	12.312	ppbv	99
51) 2-Hexanone	10.13	43	1525975	13.421	ppbv #	100
52) Tetrachloroethene	11.21	164	1137419	10.499	ppbv	98
53) Toluene	9.80	91	3758951	11.998	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1923708	11.269	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1497955	8.611	ppbv	98
57) Chlorobenzene	12.14	112	2688139	8.215	ppbv #	97
58) Ethyl Benzene	12.70	91	5000089	8.936	ppbv	99
59) m/p-Xylene	12.99	91	4533023	9.288	ppbv #	43
60) o-Xylene	13.68	91	3959701	8.391	ppbv	100
61) Styrene	13.52	104	2302922	9.700	ppbv	100
62) Isopropylbenzene	14.66	105	5345716	8.412	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2747211	7.632	ppbv	99
64) n-propylbenzene	15.55	120	1401021	9.017	ppbv	98
65) tert-Butylbenzene	16.74	119	4581391	8.314	ppbv	99
66) Benzyl Chloride	16.98	91	574747	9.436	ppbv	99
67) sec-Butylbenzene	17.29	105	6400278	8.228	ppbv	100
69) p-Isopropyltoluene	17.64	119	5301128	8.728	ppbv	100
70) n-Butylbenzene	18.54	91	5510510	8.750	ppbv	100
71) 2-Chlorotoluene	15.45	91	4049311	8.504	ppbv	99
72) 4-Ethyltoluene	15.83	105	4551410	8.802	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4143643	8.586	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4241621	8.213	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2328906	8.011	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2239155	7.758	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2234145	8.176	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1910086	7.805	ppbv	99
79) Naphthalene	22.19	128	3442391	11.423	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	688056	11.578	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	1906669	10.247	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

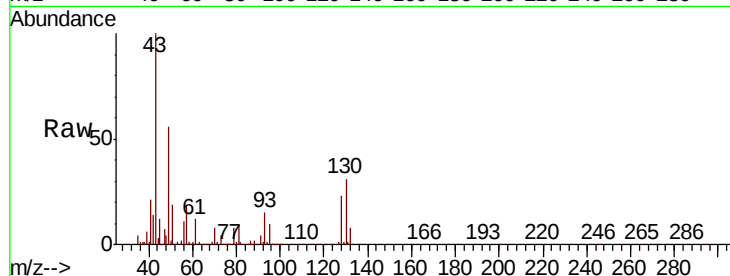
Tot Ion: 49 Resp: 1308264

Ion Ratio Lower Upper

49 100

128 46.8 23.5 70.6

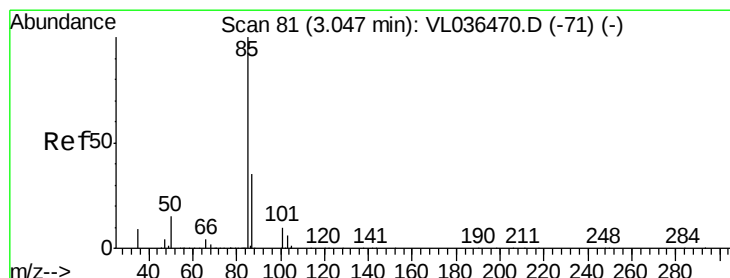
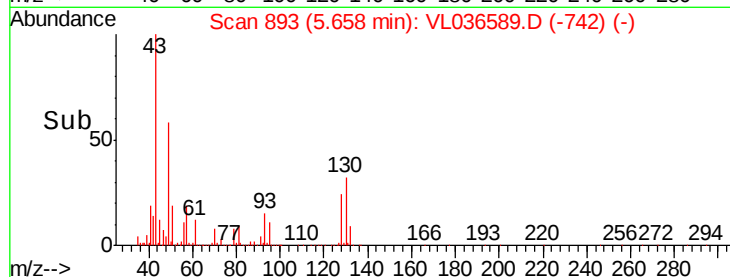
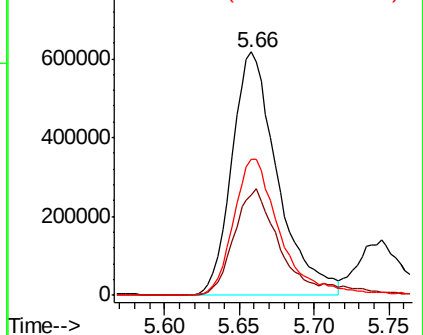
130 58.0 29.1 87.4



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: 11.765 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036589.D

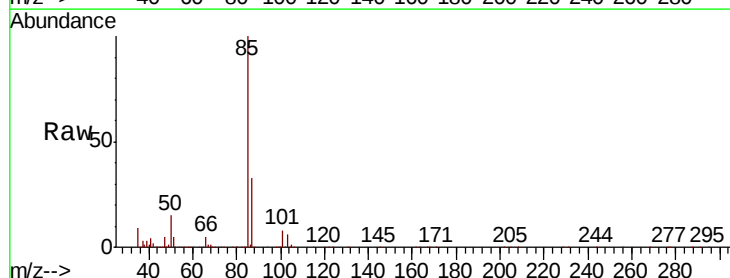
Acq: 31 Mar 2021 4:08

Tgt Ion: 85 Resp: 2510495

Ion Ratio Lower Upper

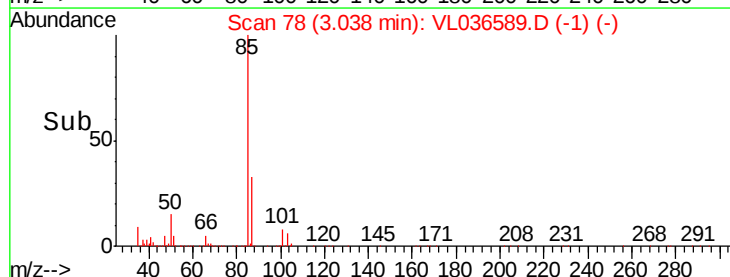
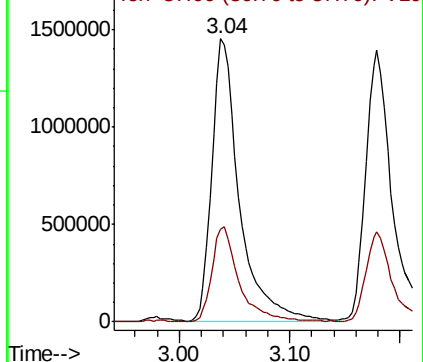
85 100

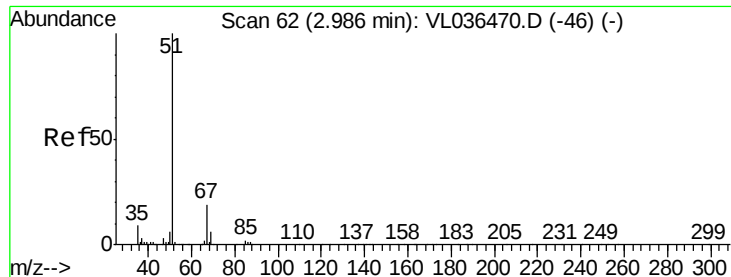
87 32.7 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.361 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

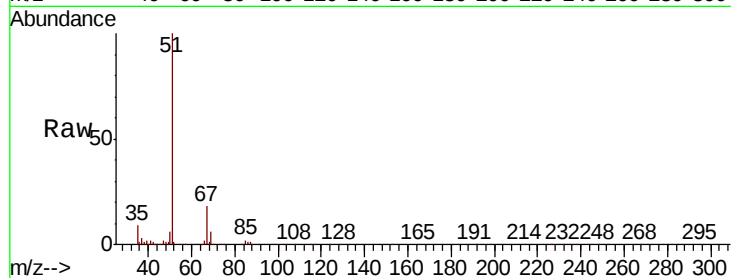
ClientSampleId :

Tot Ion: 51 Resp: 2777076

Ion Ratio Lower Upper

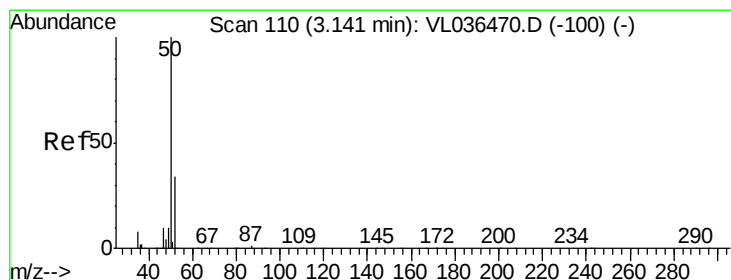
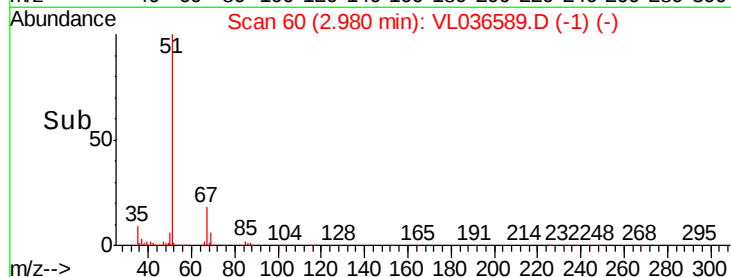
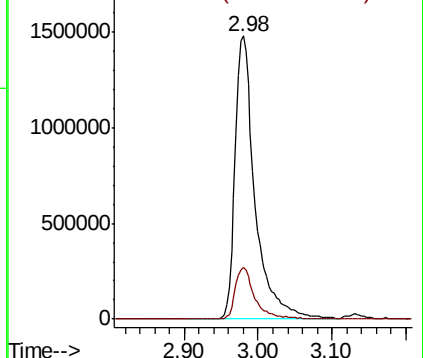
51 100

67 18.2 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: 11.737 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036589.D

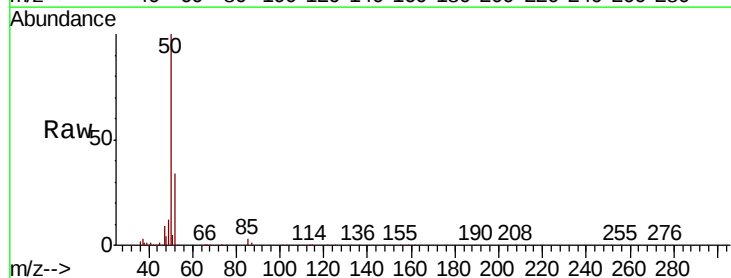
Acq: 31 Mar 2021 4:08

Tgt Ion: 50 Resp: 1013382

Ion Ratio Lower Upper

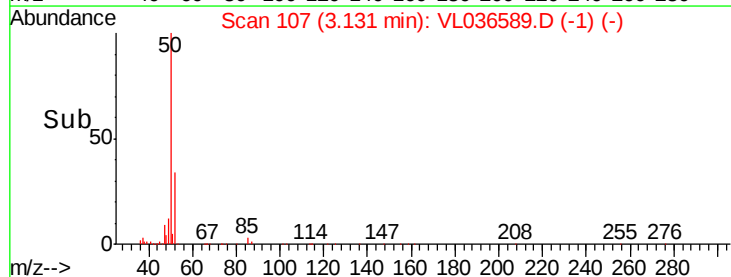
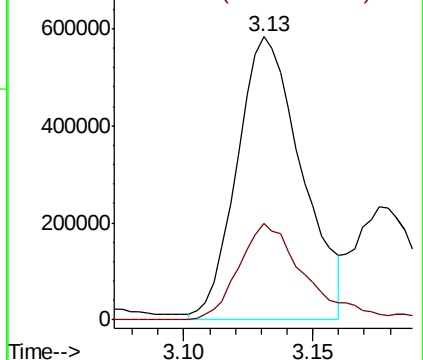
50 100

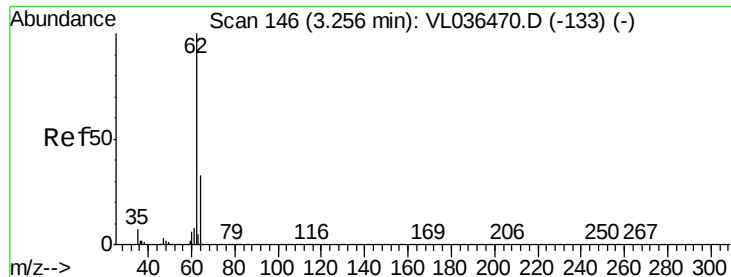
52 34.3 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.421 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

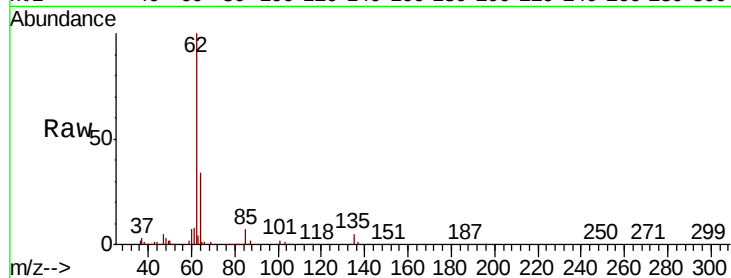
ClientSampled :

Tot Ion: 62 Resp: 1013941

Ion Ratio Lower Upper

62 100

64 33.5 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

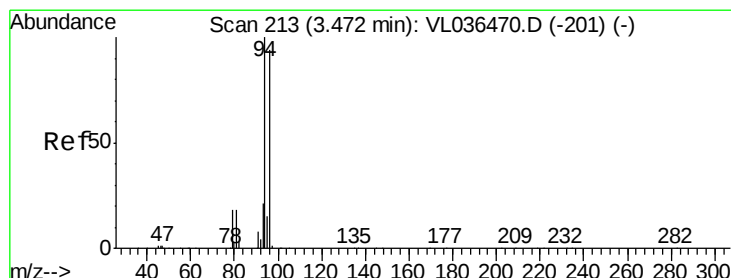
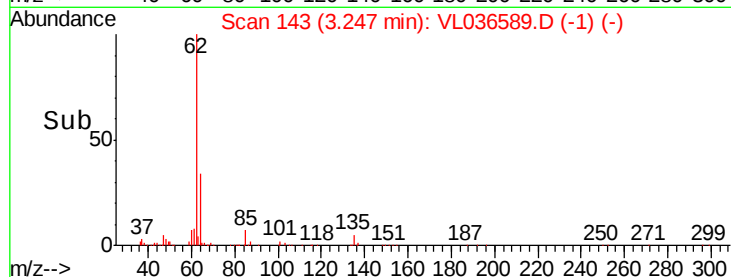
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.371 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL036589.D

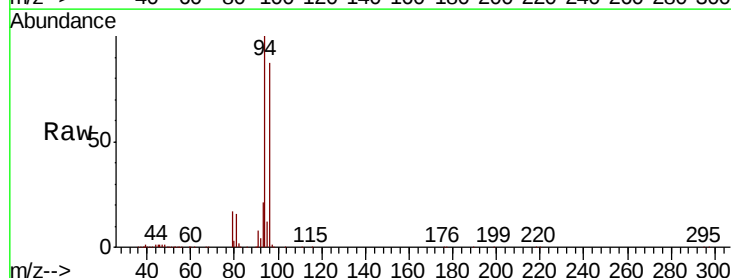
Acq: 31 Mar 2021 4:08

Tgt Ion: 94 Resp: 555768

Ion Ratio Lower Upper

94 100

96 86.7 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

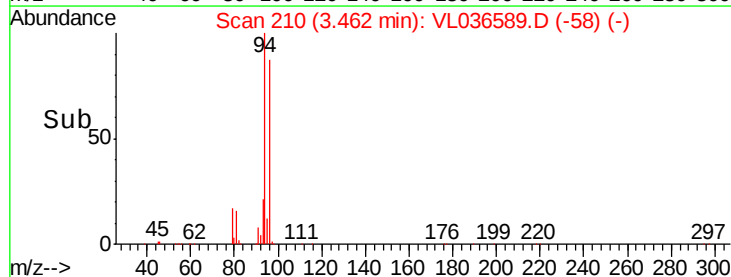
300000

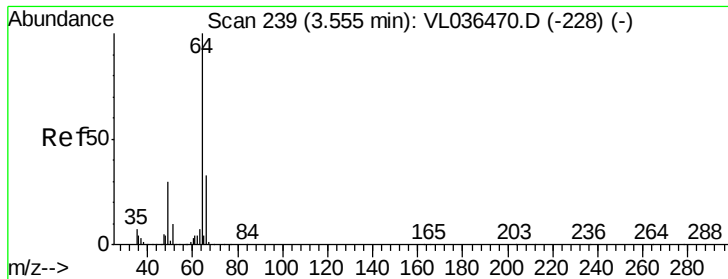
200000

100000

0

Time-->





#7

Chloroethane

Concen: 11.759 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

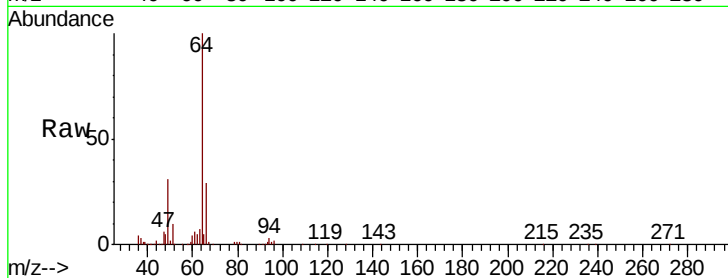
ClientSampleId :

Tot Ion: 64 Resp: 358705

Ion Ratio Lower Upper

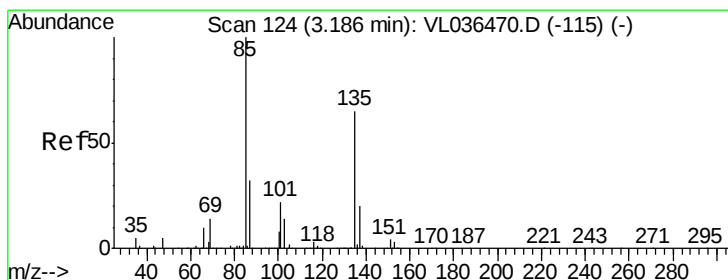
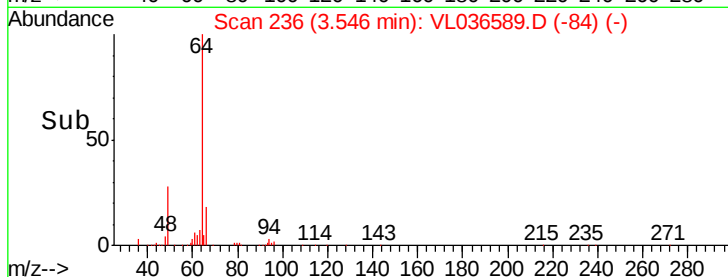
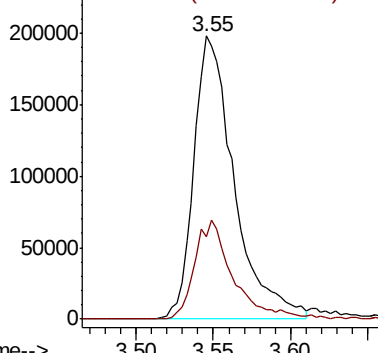
64 100

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



#8

Dichlorotetrafluoroethane

Concen: 11.479 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036589.D

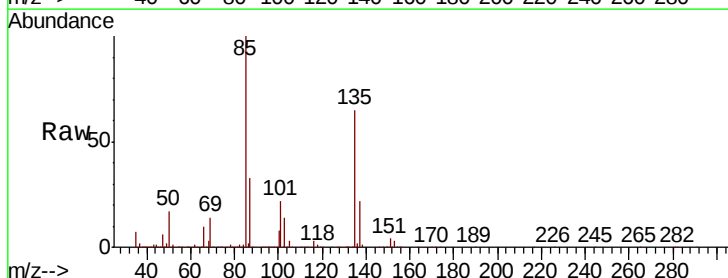
Acq: 31 Mar 2021 4:08

Tgt Ion: 85 Resp: 2337826

Ion Ratio Lower Upper

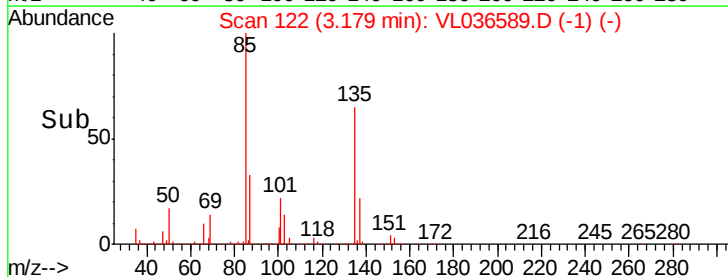
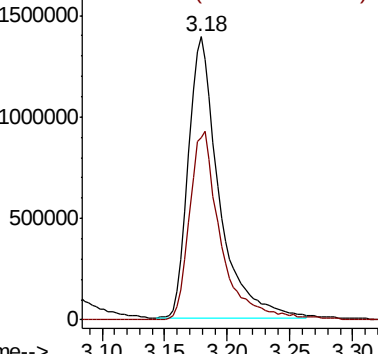
85 100

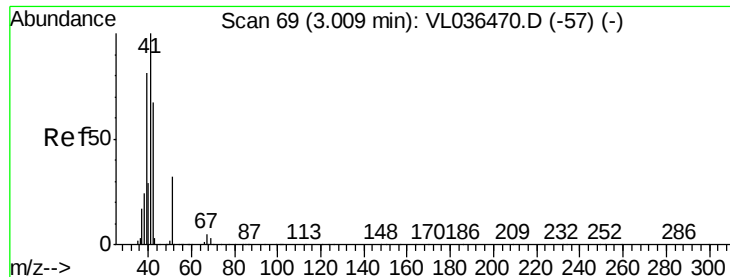
135 69.3 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.868 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

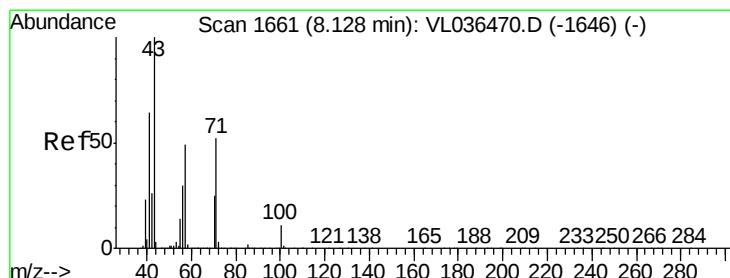
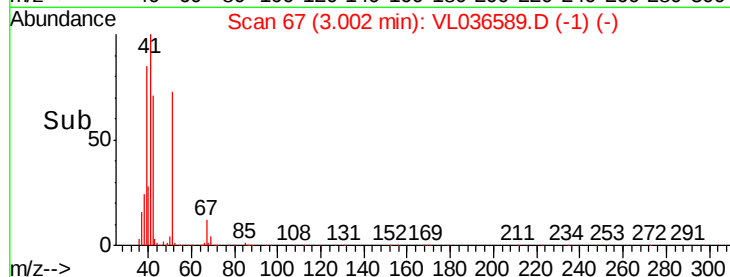
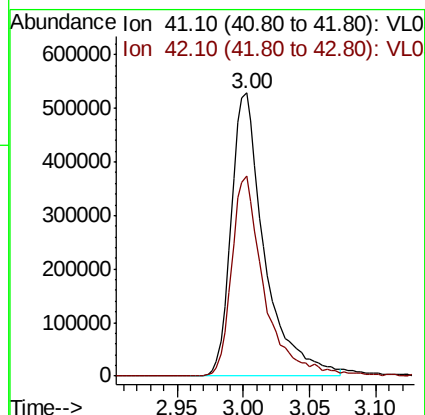
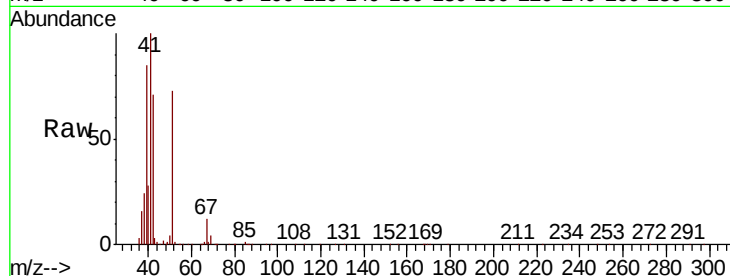
ClientSampleId :

Tot Ion: 41 Resp: 924790

Ion Ratio Lower Upper

41 100

42 69.6 57.0 85.4



#10

Heptane

Concen: 12.026 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL036589.D

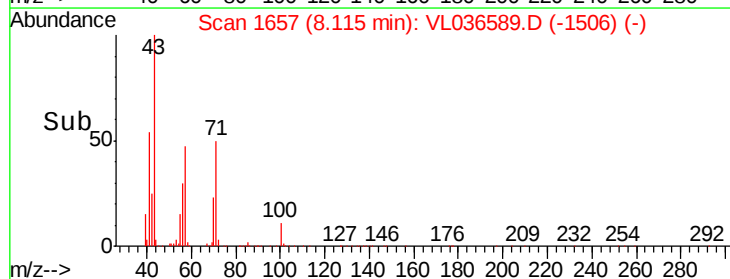
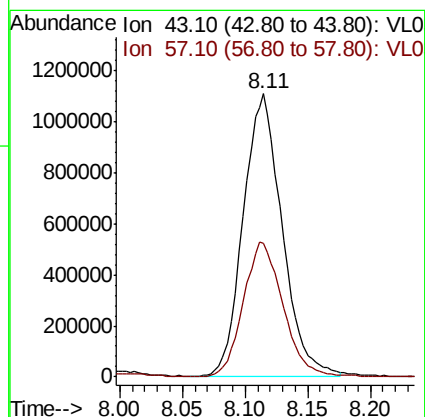
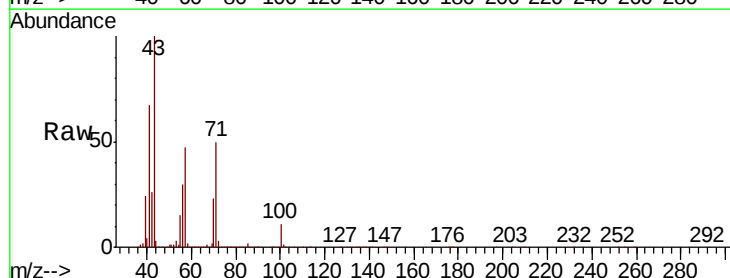
Acq: 31 Mar 2021 4:08

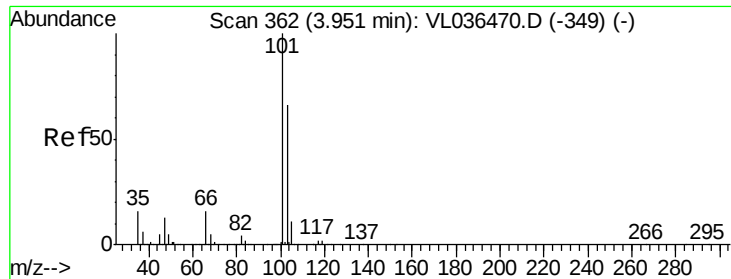
Tgt Ion: 43 Resp: 2387322

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6

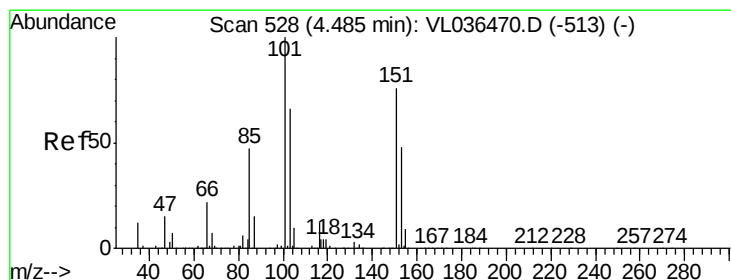
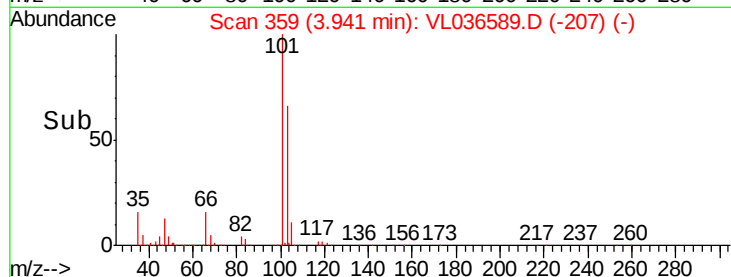
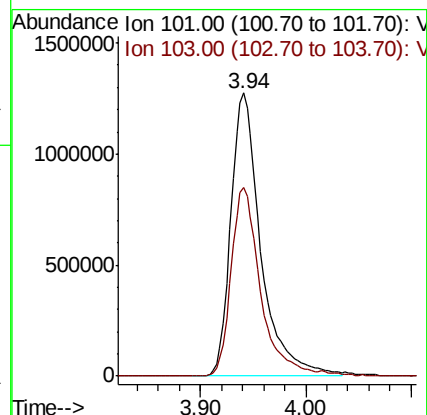
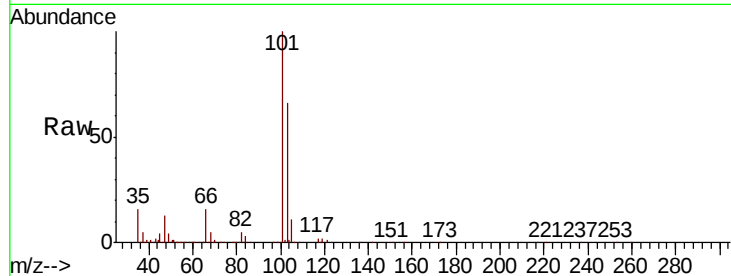




#11
 Trichlorofluoromethane
 Concen: 11.527 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

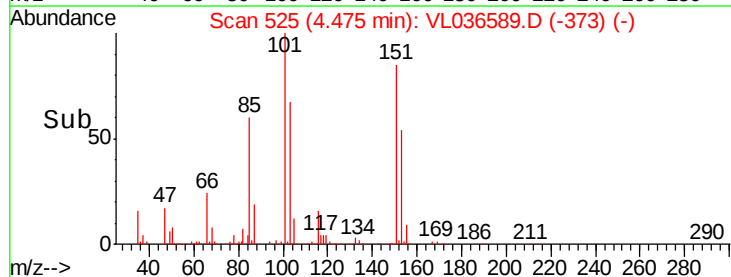
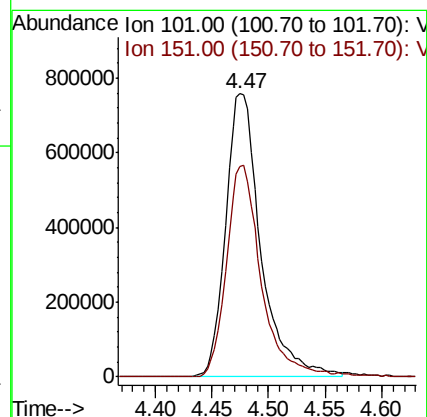
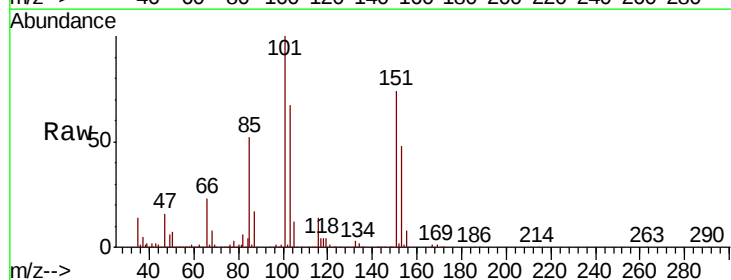
Instrument :
 MSVOA_L
 ClientSampled :

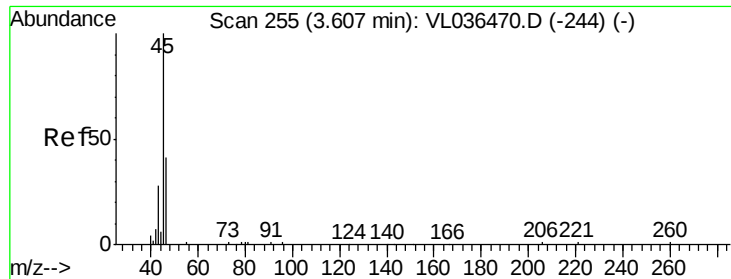
Tot Ion:101 Resp: 2506723
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.774 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion:101 Resp: 1637034
 Ion Ratio Lower Upper
 101 100
 151 74.7 60.9 91.3





#13

Ethanol

Concen: 6.834 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

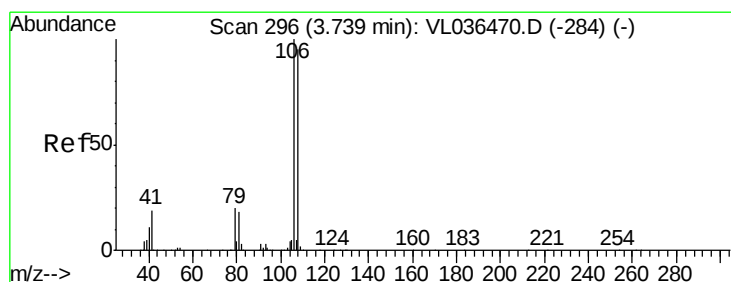
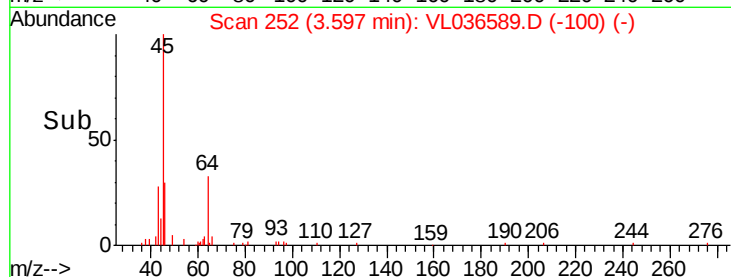
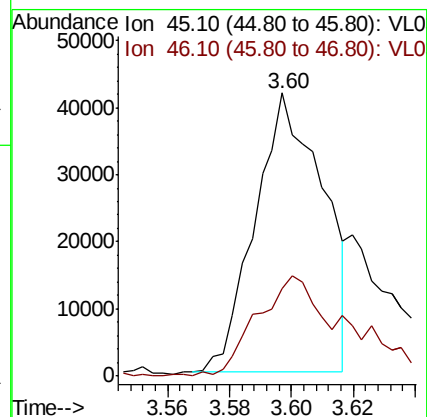
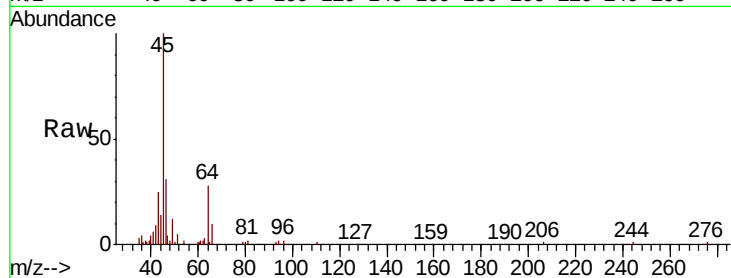
ClientSampleId :

Tot Ion: 45 Resp: 63413

Ion Ratio Lower Upper

45 100

46 54.6 16.6 66.2



#14

Bromoethene

Concen: 12.202 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

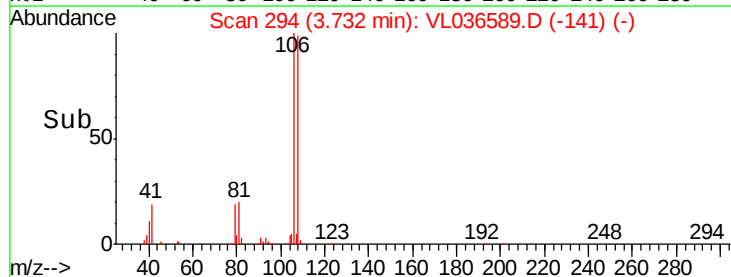
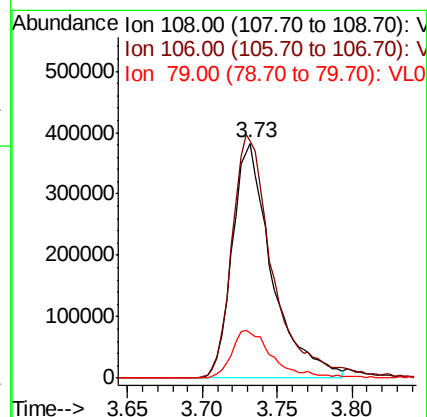
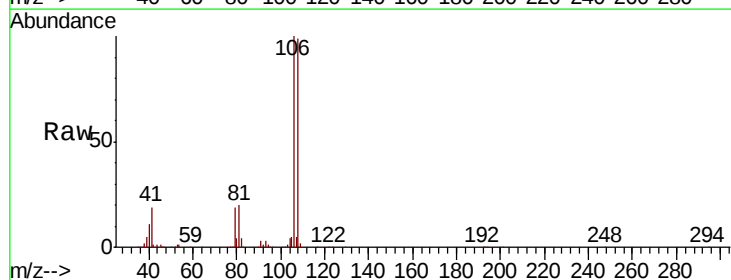
Tgt Ion: 108 Resp: 705294

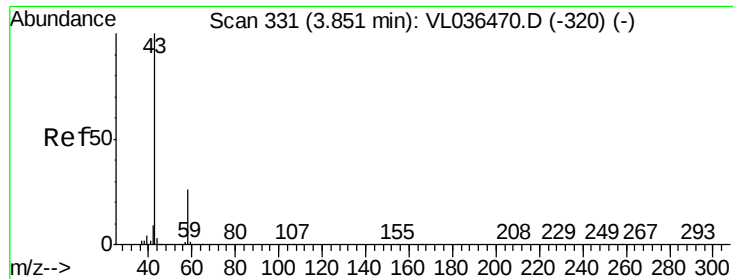
Ion Ratio Lower Upper

108 100

106 108.1 89.0 133.6

79 21.3 16.6 25.0

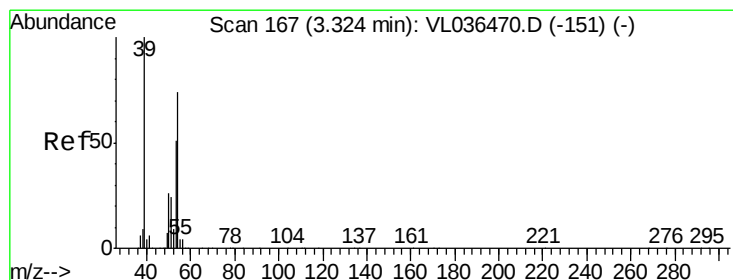
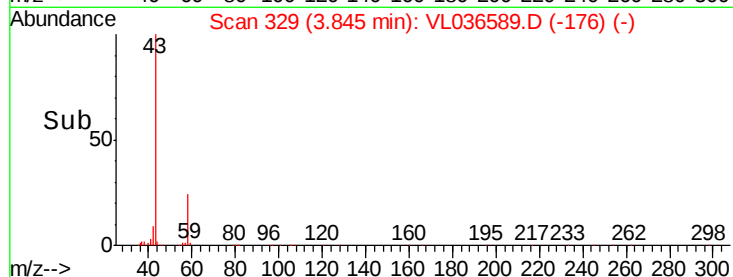
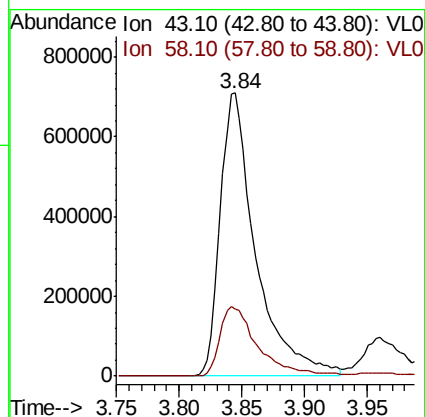
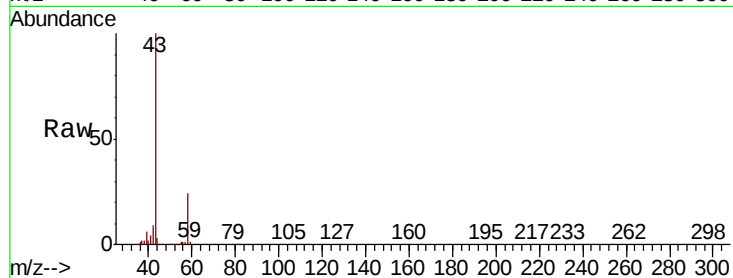




#15
Acetone
Concen: 10.857 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

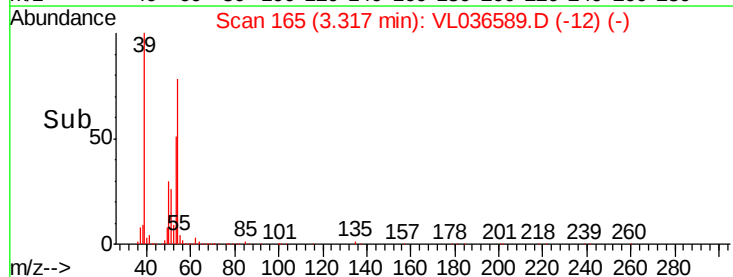
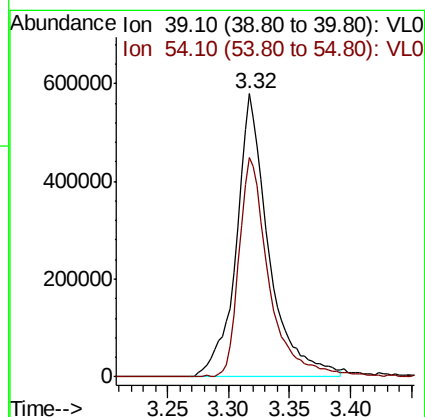
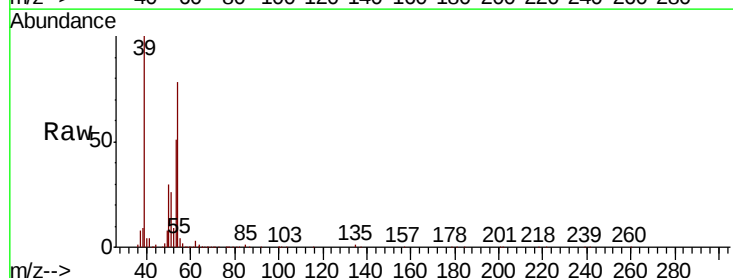
Instrument :
MSVOA_L
ClientSampleId :

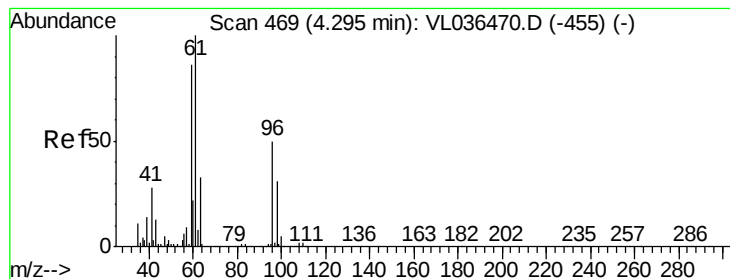
Tot Ion: 43 Resp: 1398046
Ion Ratio Lower Upper
43 100
58 26.5 21.2 31.8



#16
1,3-Butadiene
Concen: 11.804 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 39 Resp: 1058160
Ion Ratio Lower Upper
39 100
54 73.5 58.8 88.2





#17

tert-Butyl alcohol

Concen: 11.277 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

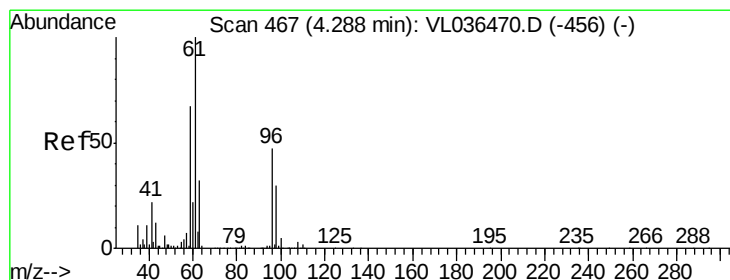
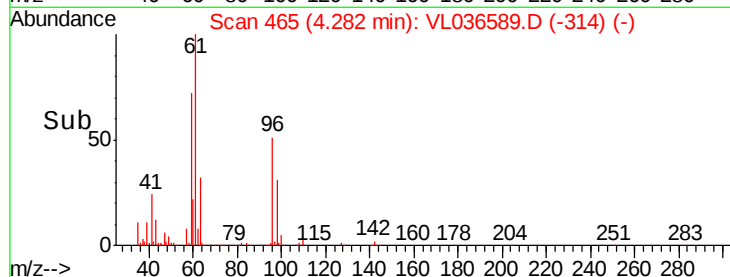
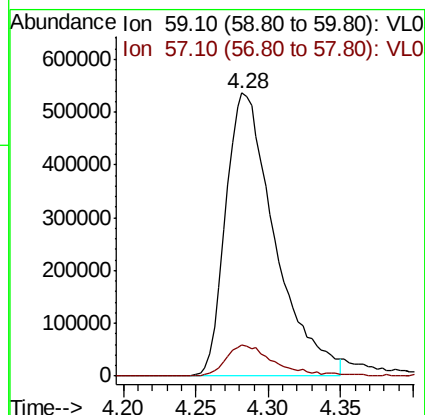
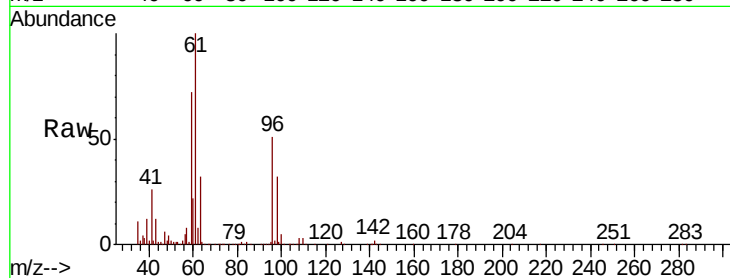
ClientSampleId :

Tot Ion: 59 Resp: 1264034

Ion Ratio Lower Upper

59 100

57 11.4 8.6 12.8



#18

1,1-Dichloroethene

Concen: 11.683 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

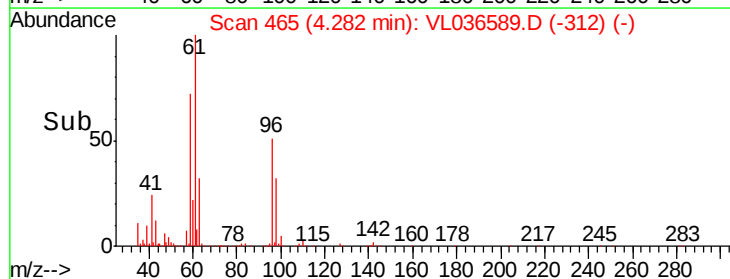
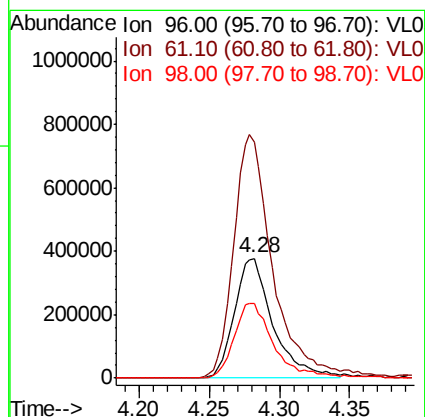
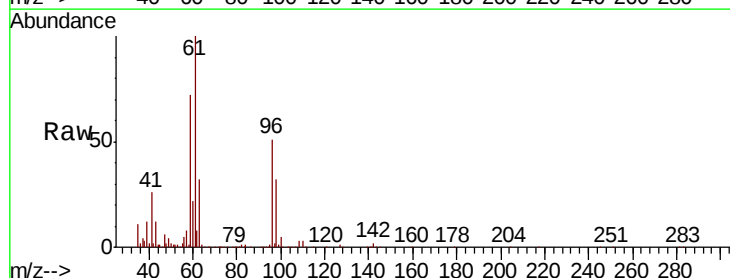
Tgt Ion: 96 Resp: 722517

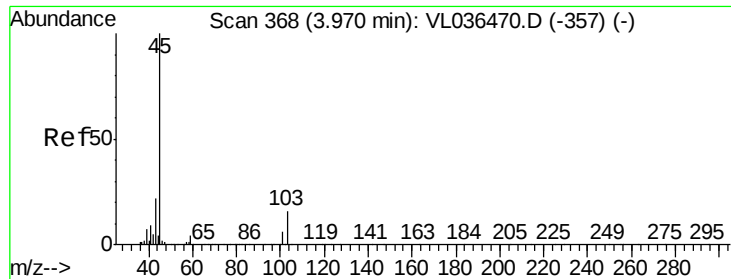
Ion Ratio Lower Upper

96 100

61 196.4 168.6 253.0

98 61.9 50.8 76.2



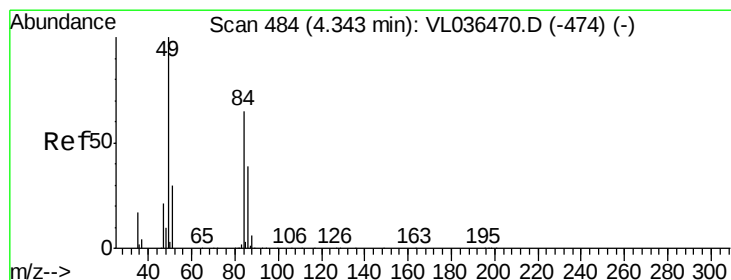
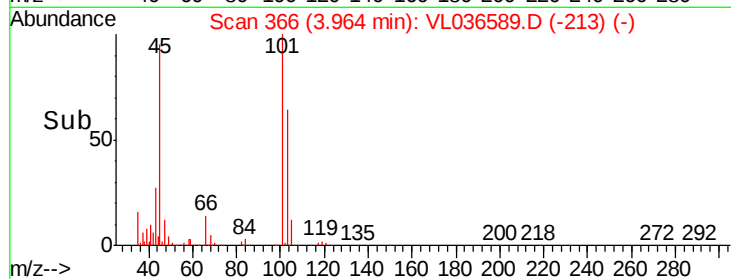
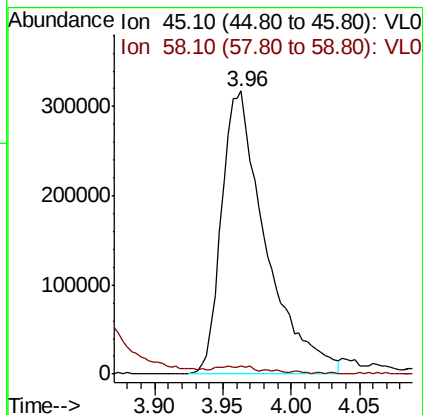
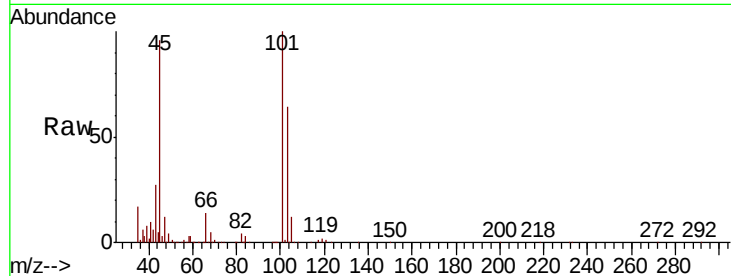


#19

Isopropyl Alcohol
 Concen: 10.080 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :

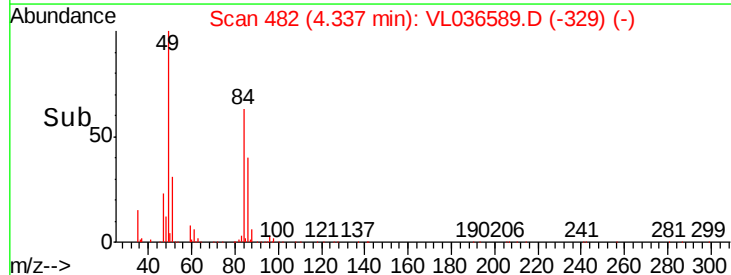
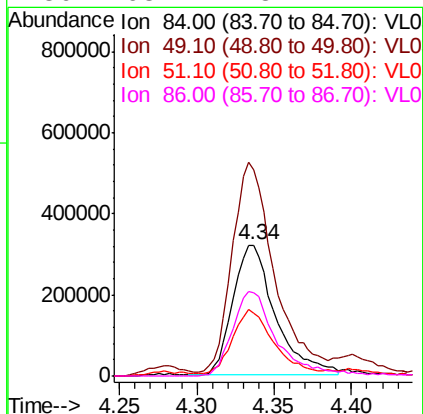
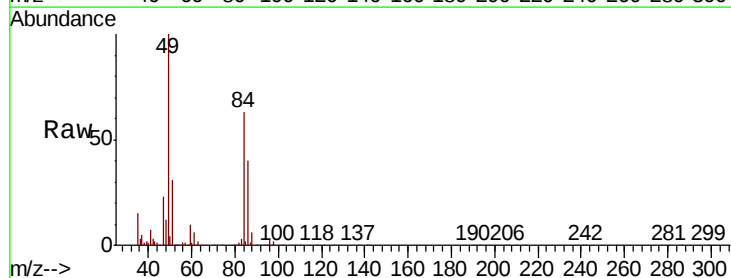
Tot Ion: 45 Resp: 713979
 Ion Ratio Lower Upper
 45 100
 58 3.2 2.9 4.3

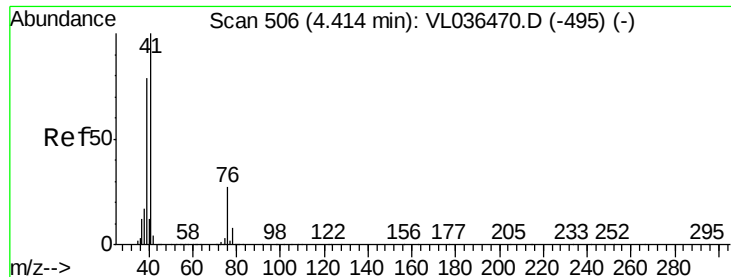


#20

Methylene Chloride
 Concen: 10.188 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 84 Resp: 614219
 Ion Ratio Lower Upper
 84 100
 49 154.8 122.9 184.3
 51 46.6 36.9 55.3
 86 63.7 48.2 72.4





#21

Allvl Chloride

Concen: 12.080 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.01 min

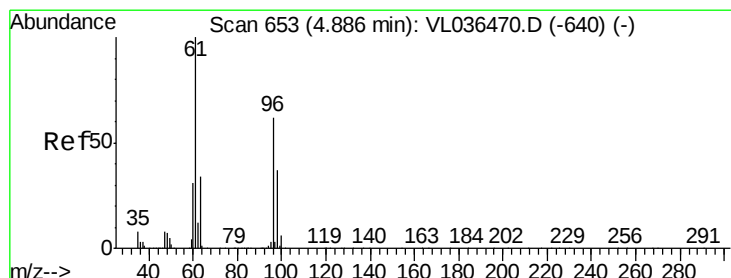
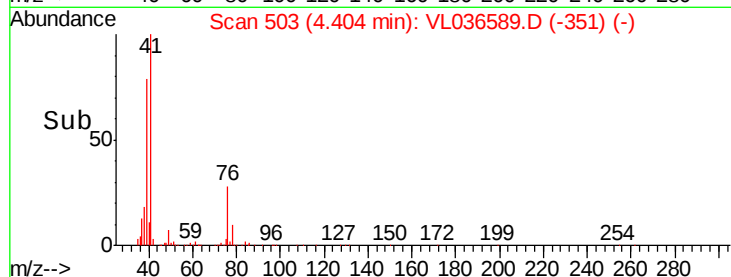
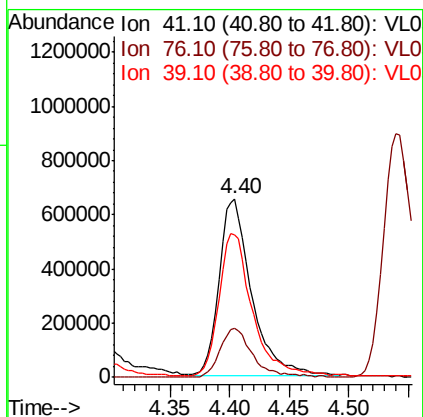
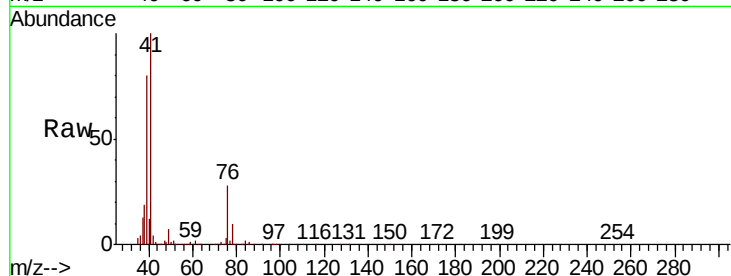
Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 1239917

Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.9	34.3
39	83.4	67.3	100.9



#22

trans-1,2-Dichloroethene

Concen: 11.881 ppbv

RT: 4.88 min Scan# 650

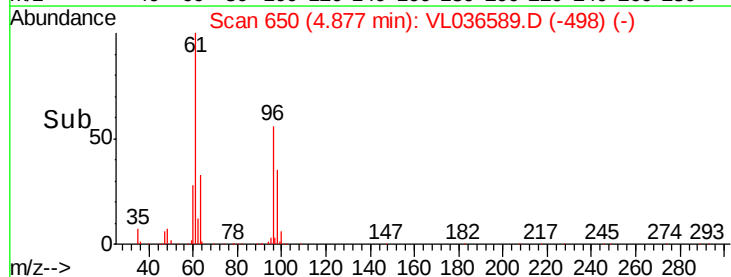
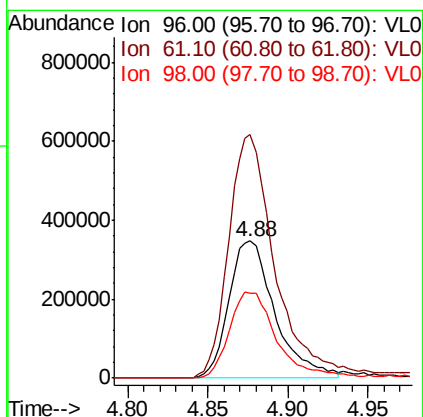
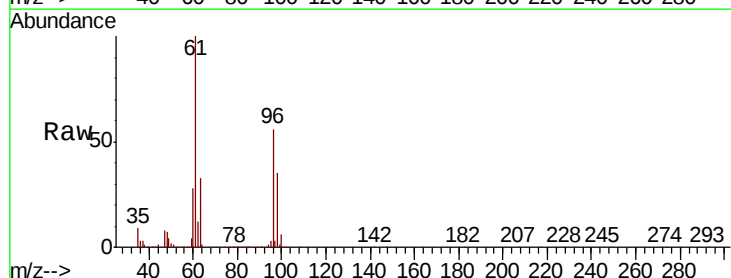
Delta R.T. -0.01 min

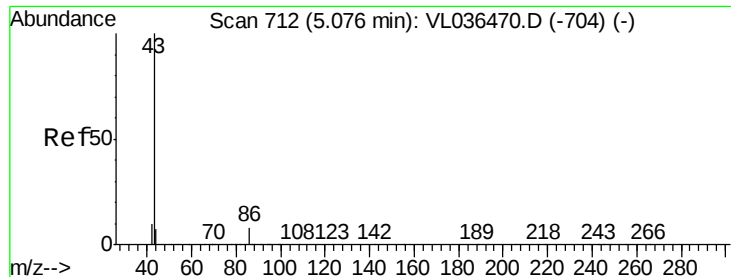
Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 96 Resp: 681224

Ion	Ratio	Lower	Upper
96	100		
61	177.5	129.4	194.0
98	61.7	48.2	72.4





#23

Vinyl Acetate

Concen: 11.829 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2605335

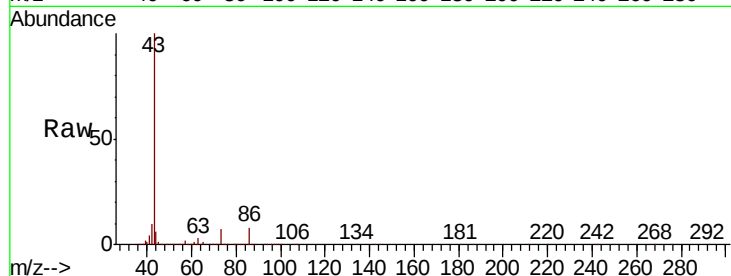
Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0

42 9.3 8.5 12.7

44 5.2 4.6 7.0

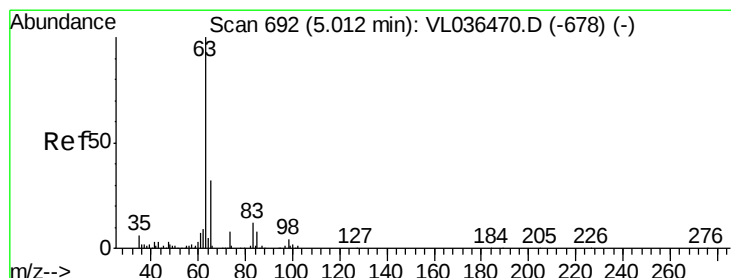
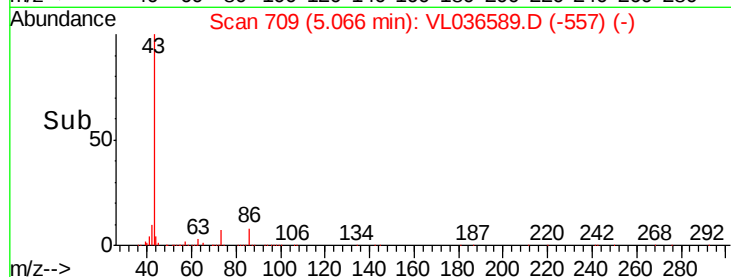
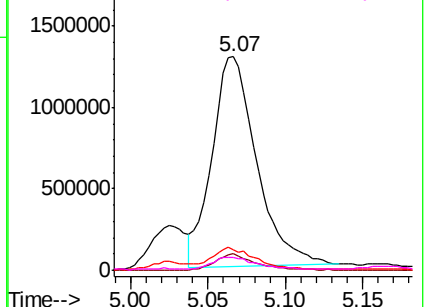


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.702 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

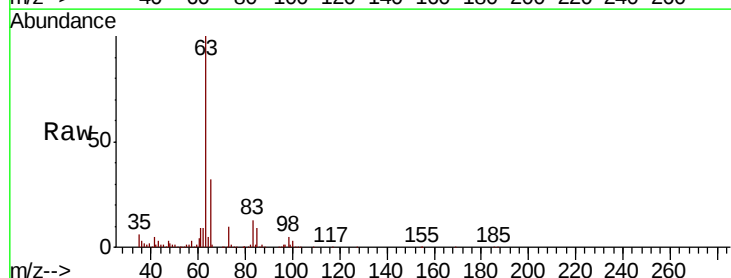
Tgt Ion: 63 Resp: 1878621

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.2

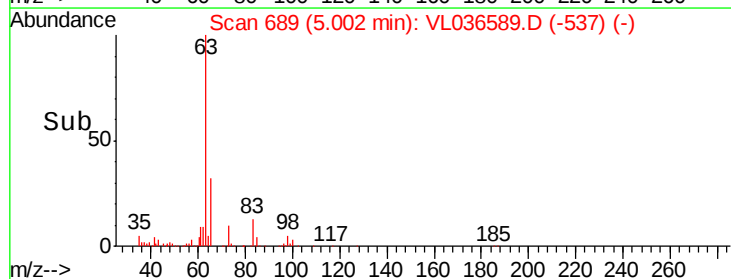
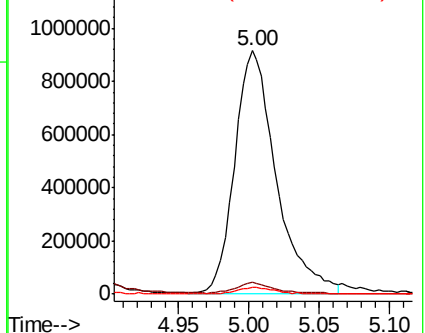
100 2.9 0.9 2.8#

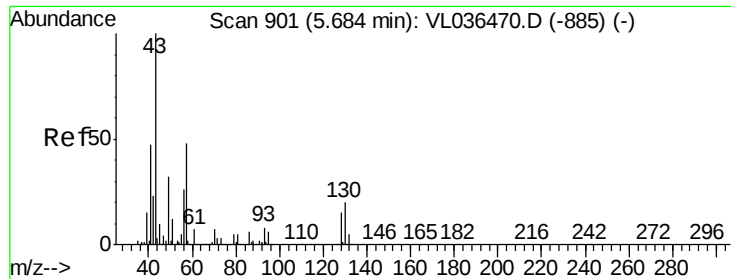


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

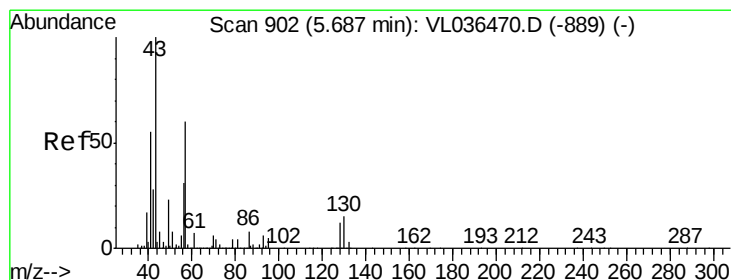
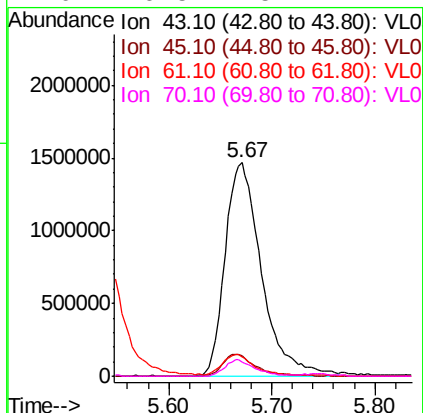
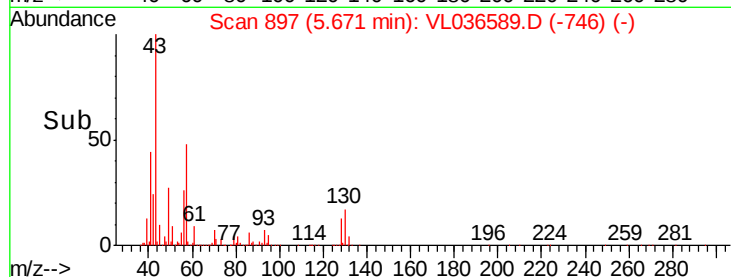
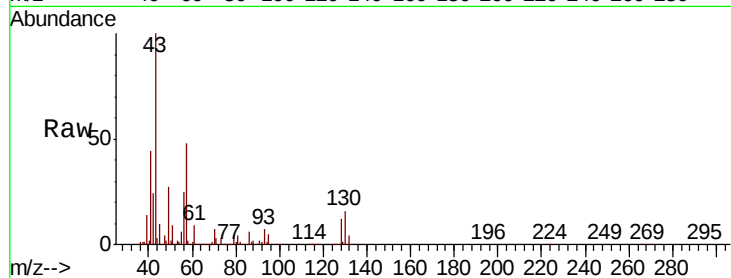




#25
Ethyl Acetate
Concen: 11.739 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

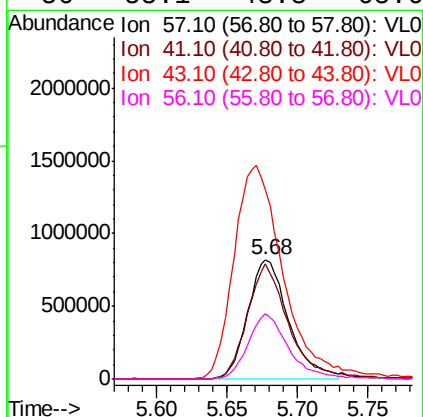
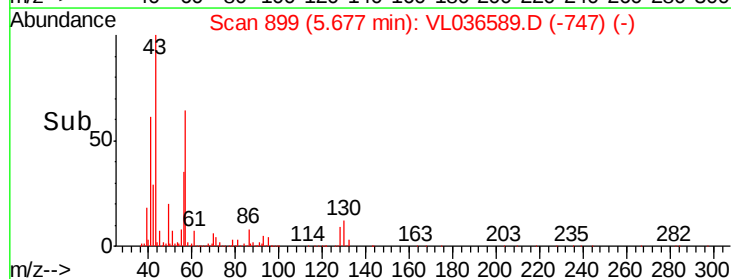
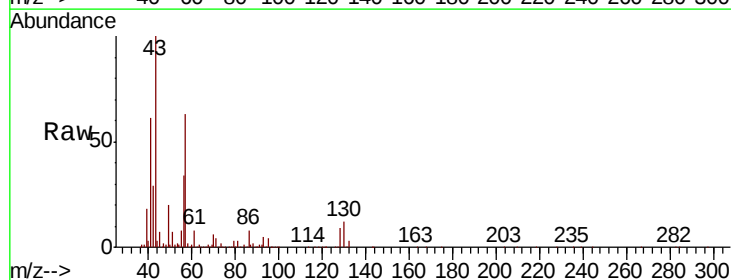
Instrument :
MSVOA_L
ClientSampleId :

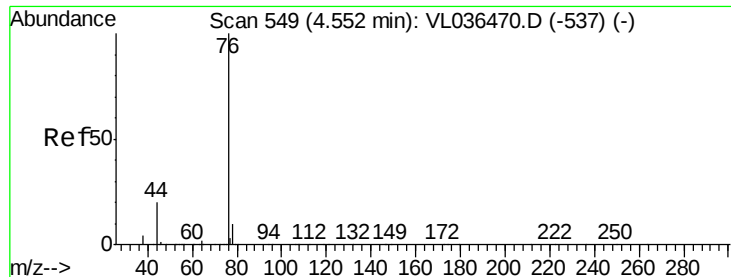
Tot Ion:	43	Resp:	3593577
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.7	7.4	11.2
70	6.5	5.1	7.7



#26
Hexane
Concen: 11.688 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion:	57	Resp:	1660361
Ion	Ratio	Lower	Upper
57	100		
41	98.2	77.2	115.8
43	218.7	173.8	260.6
56	55.1	43.8	65.6





#27

Carbon Disulfide

Concen: 12.951 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

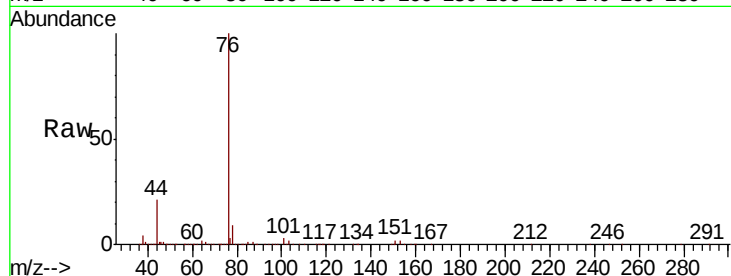
Tot Ion: 76 Resp: 1812418

Ion	Ratio	Lower	Upper
76	100		
44	20.6	17.5	26.3
78	9.4	8.6	13.0

76 100

44 20.6 17.5 26.3

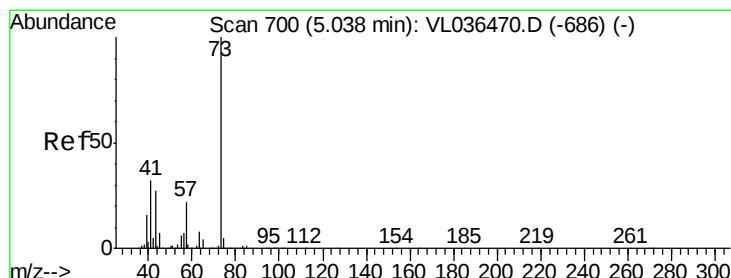
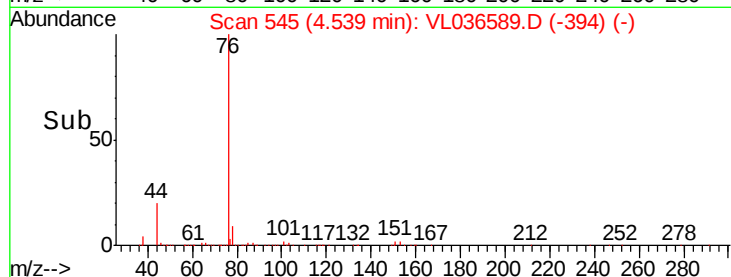
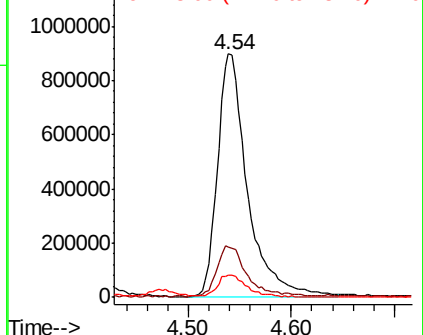
78 9.4 8.6 13.0



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: 12.106 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL036589.D

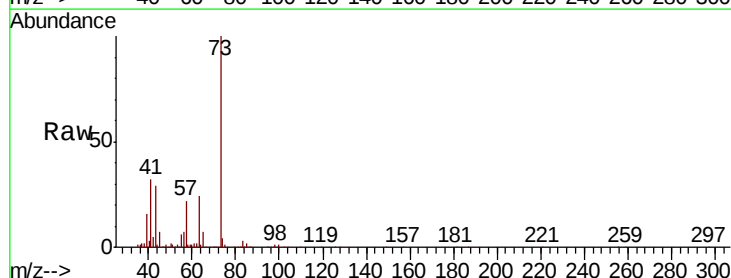
Acq: 31 Mar 2021 4:08

Tgt Ion: 73 Resp: 2028133

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.5	27.7

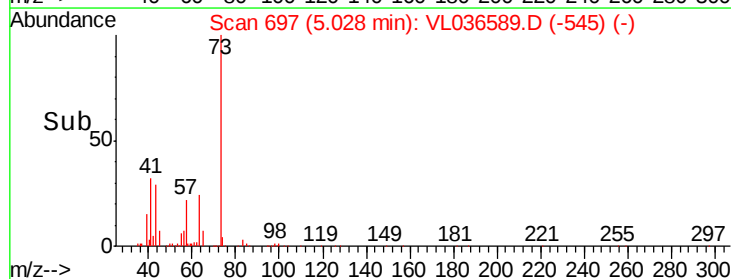
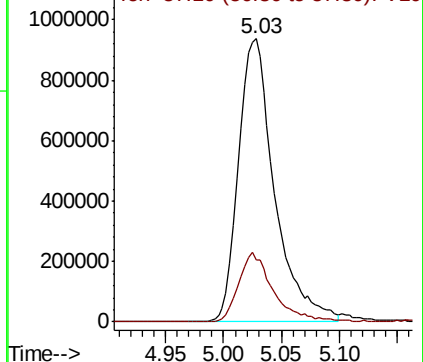
73 100

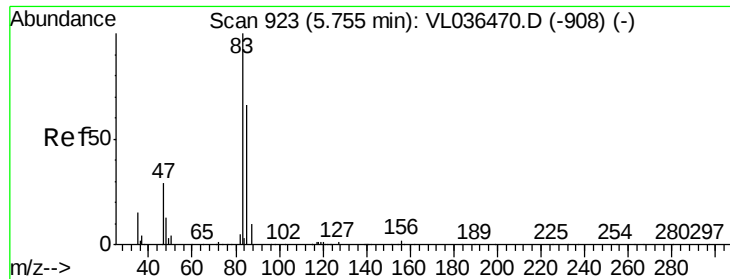
57 23.6 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.491 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

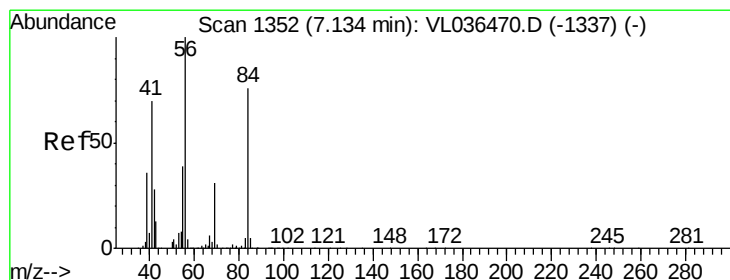
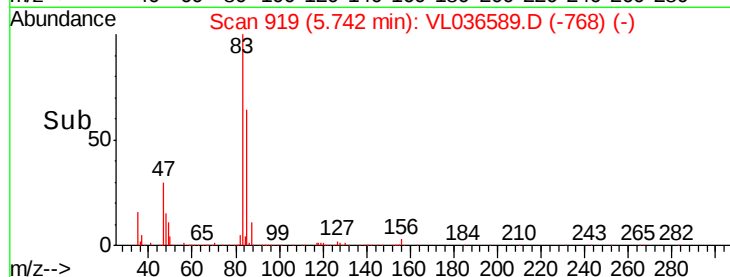
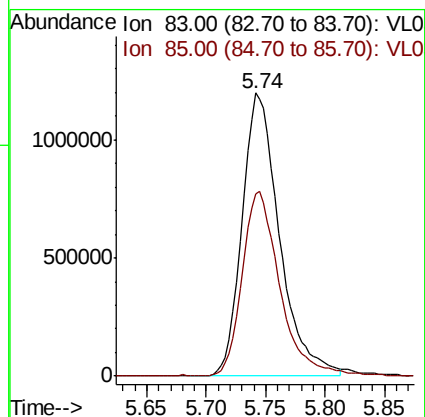
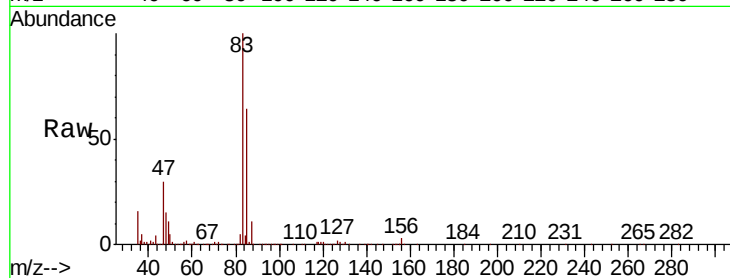
ClientSampleId :

Tot Ion: 83 Resp: 2610600

Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8



#30

Cyclohexane

Concen: 12.255 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

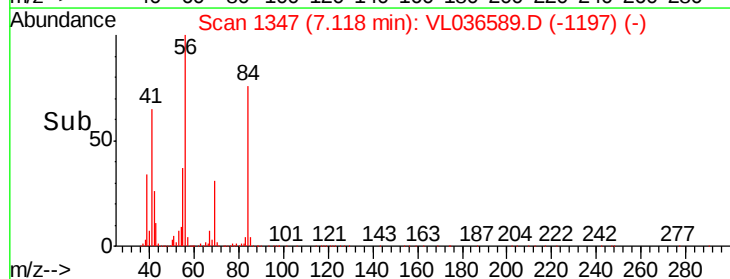
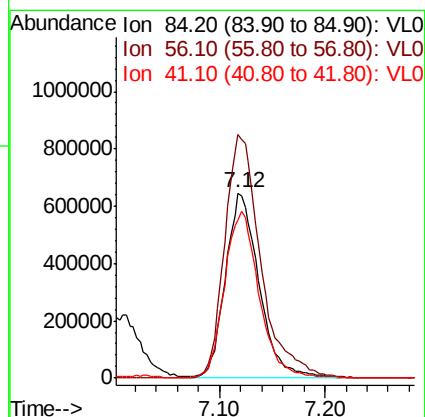
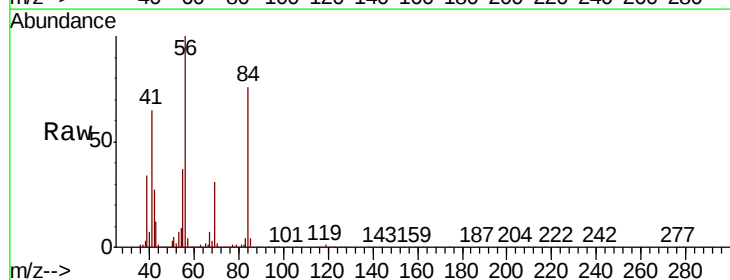
Tgt Ion: 84 Resp: 1411964

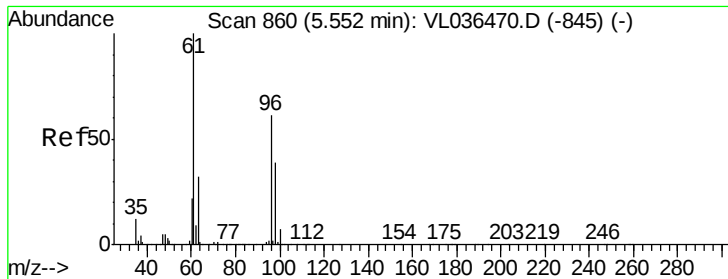
Ion Ratio Lower Upper

84 100

56 143.4 114.6 171.8

41 93.9 75.3 112.9



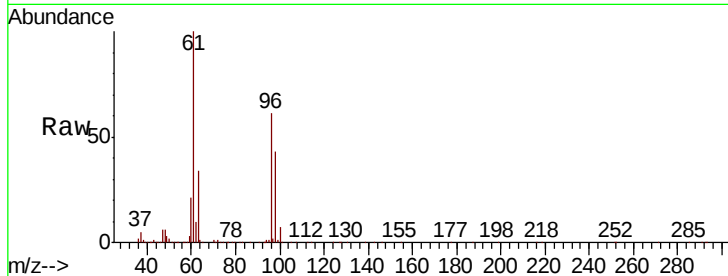


#31

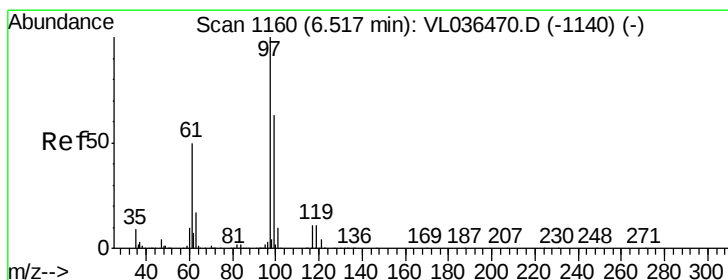
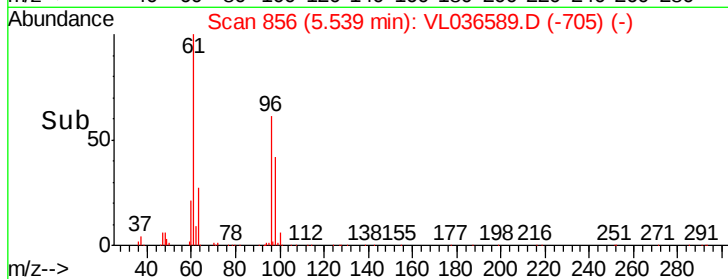
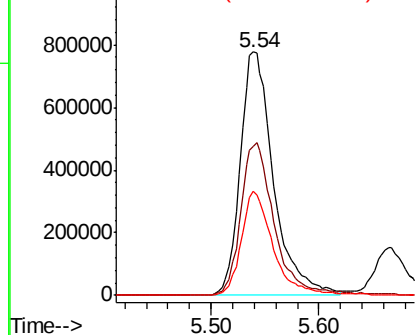
cis-1,2-Dichloroethene
Concen: 12.166 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 61 Resp: 1671636
Ion Ratio Lower Upper
61 100
96 61.2 48.7 73.1
98 42.6 31.4 47.0



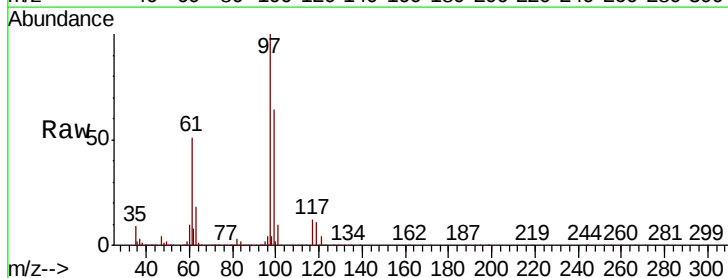
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



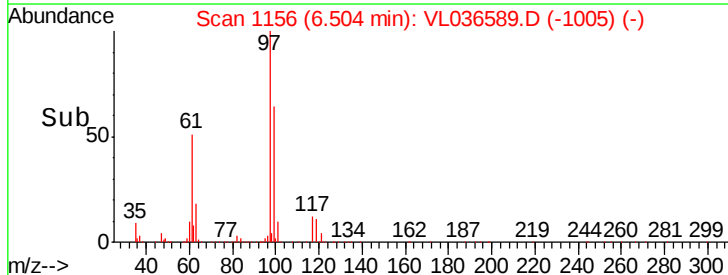
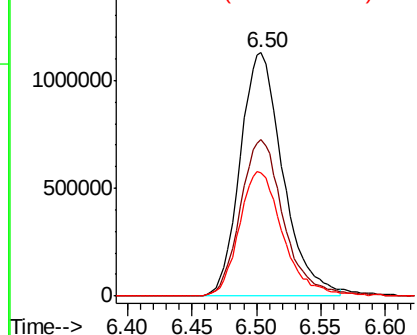
#32

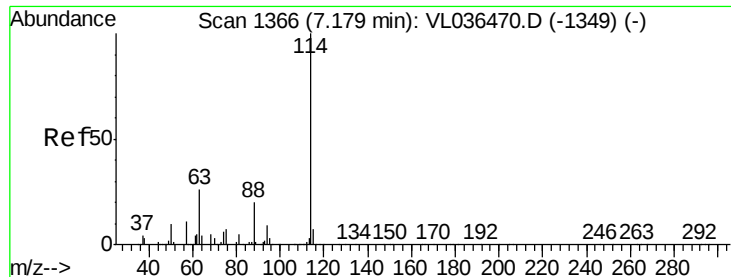
1,1,1-Trichloroethane
Concen: 11.387 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 97 Resp: 2607180
Ion Ratio Lower Upper
97 100
99 65.6 51.4 77.0
61 52.4 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

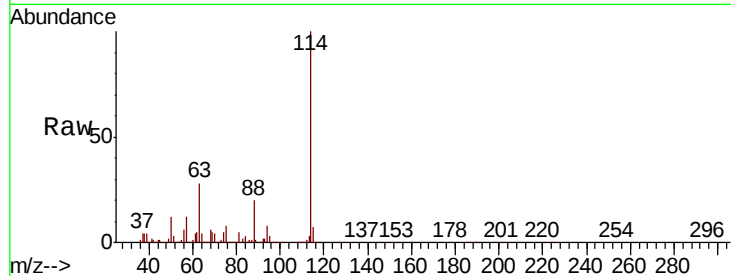




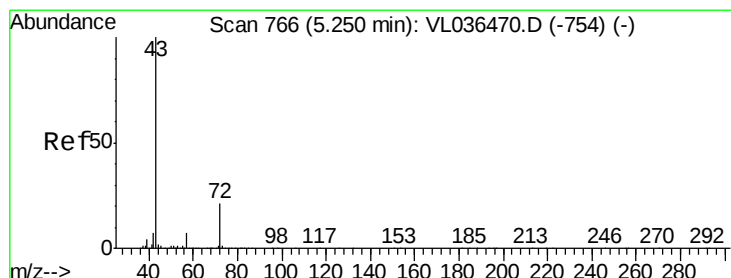
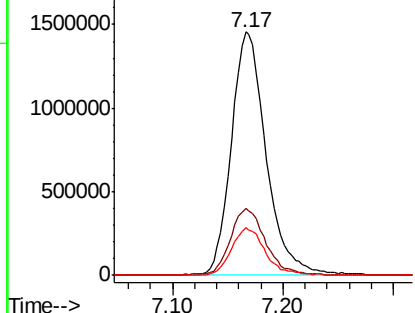
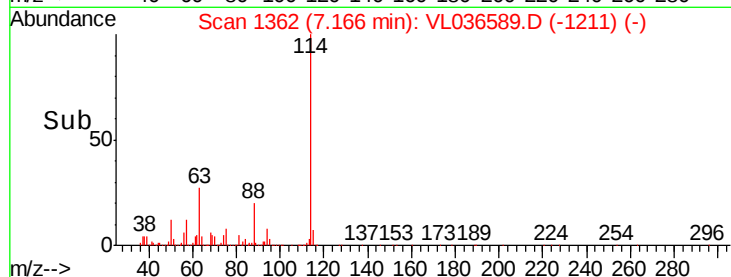
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3189885
 Ion Ratio Lower Upper
 114 100
 63 28.0 22.4 33.6
 88 19.2 15.4 23.0

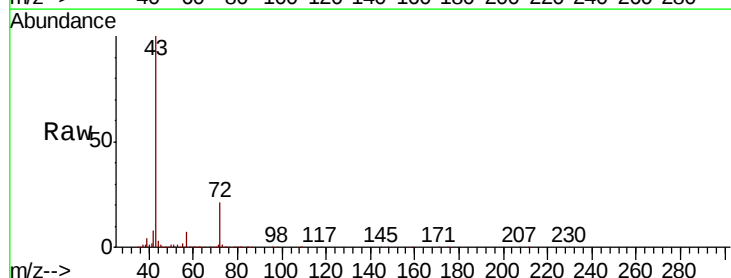


Abundance Ion 114.10 (113.80 to 114.80): VL0
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

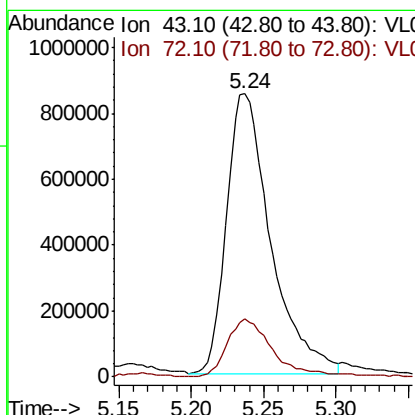
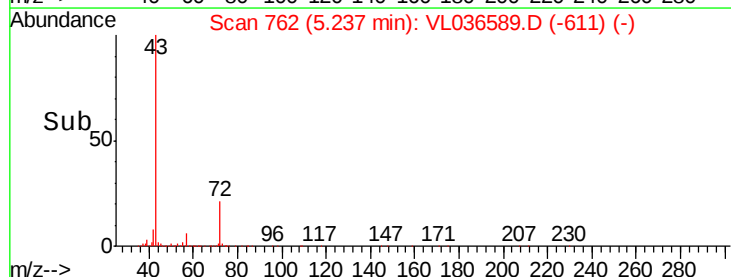


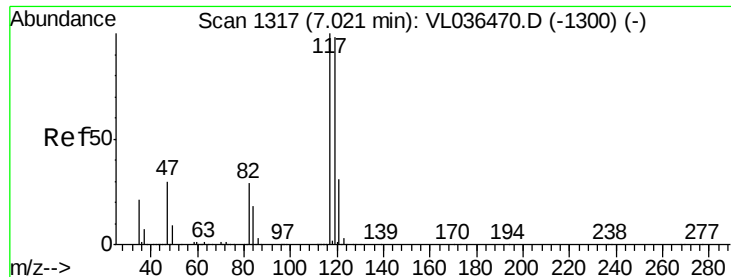
#34
 2-Butanone
 Concen: 11.532 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 43 Resp: 1795590
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 1000000 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.239 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

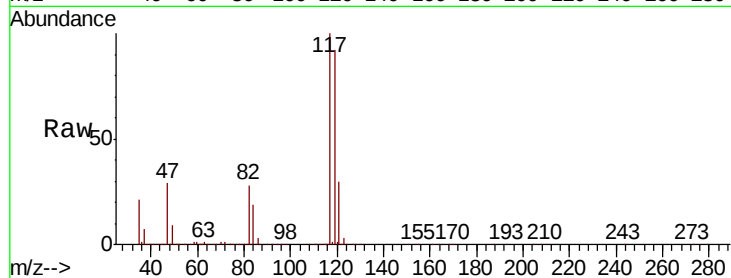
Tot Ion:117 Resp: 2753530

Ion Ratio Lower Upper

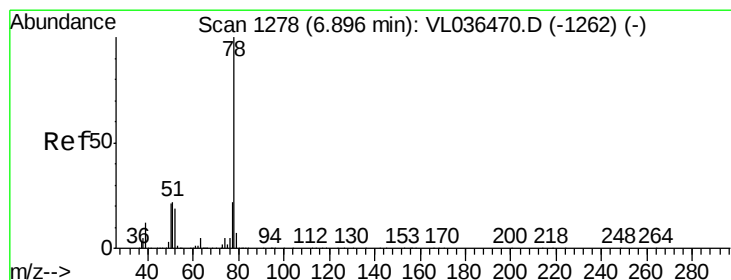
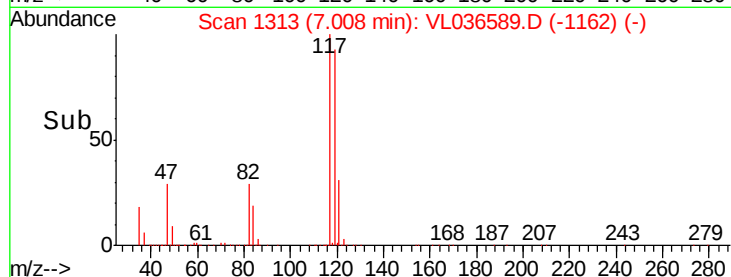
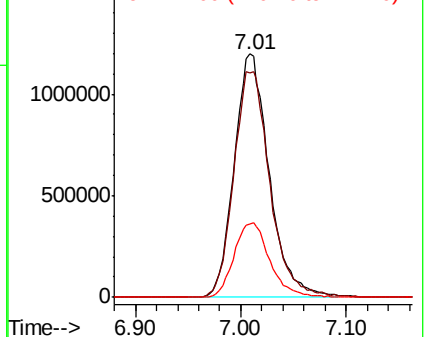
117 100

119 92.2 78.2 117.2

121 30.4 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: 11.605 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

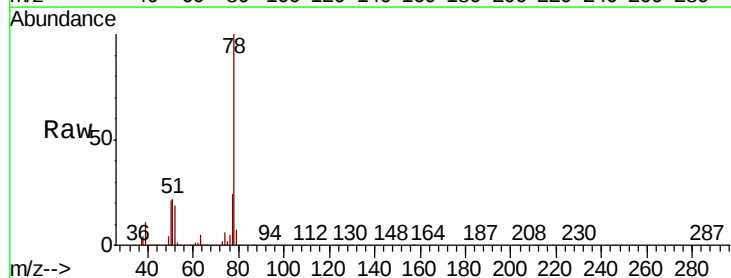
Tgt Ion: 78 Resp: 3414018

Ion Ratio Lower Upper

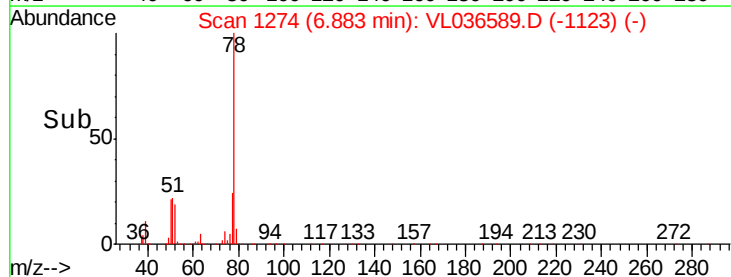
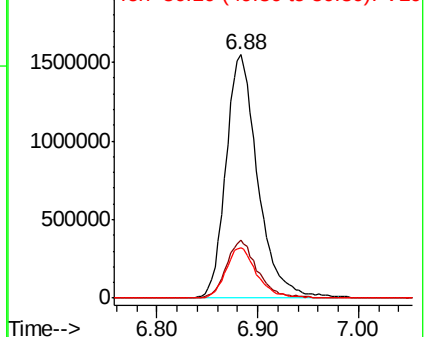
78 100

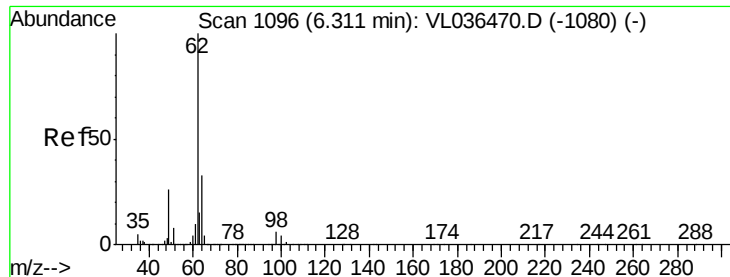
77 24.0 18.0 27.0

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

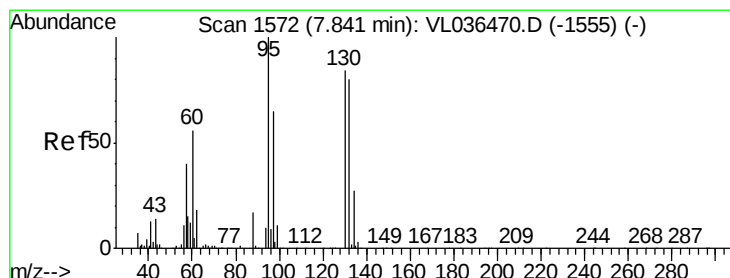
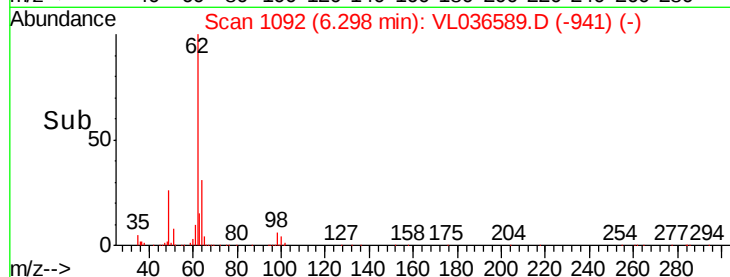
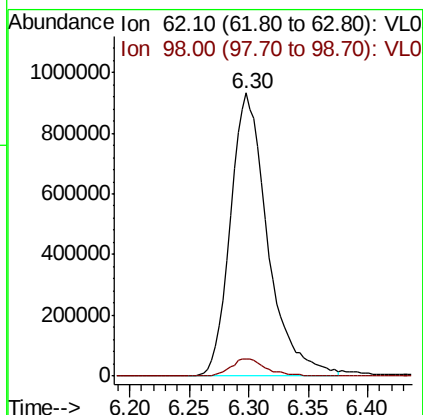
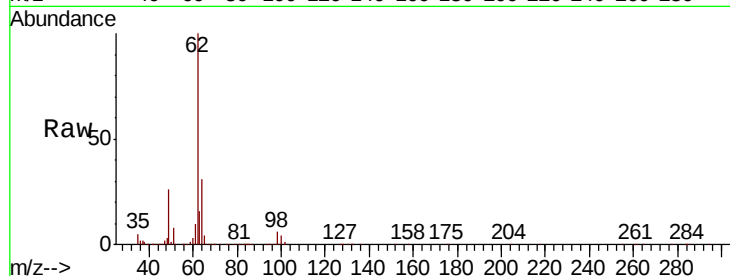




#37
 1,2-Dichloroethane
 Concen: 11.690 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

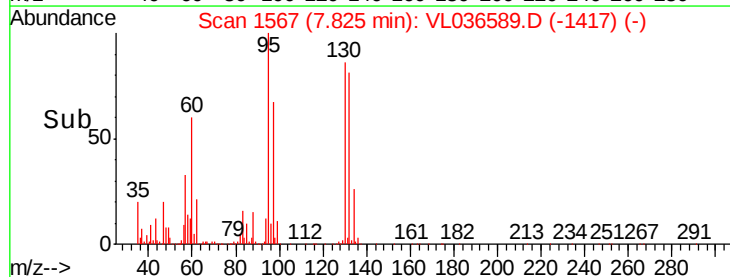
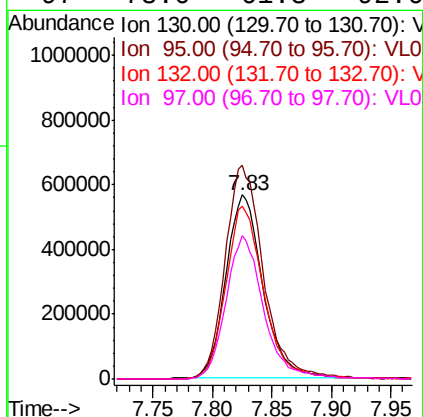
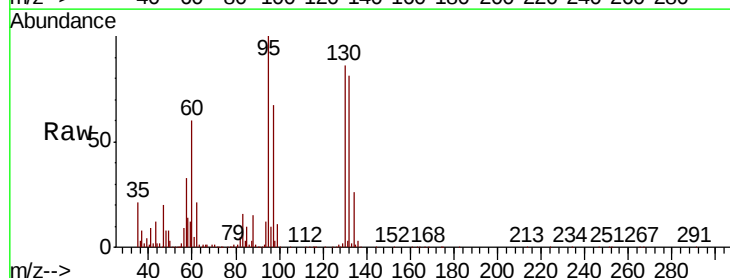
Instrument :
 MSVOA_L
 ClientSampleId :

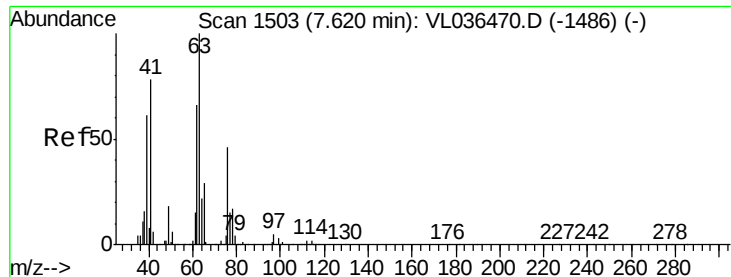
Tot Ion: 62 Resp: 2024233
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3



#38
 Trichloroethene
 Concen: 10.616 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 130 Resp: 1215383
 Ion Ratio Lower Upper
 130 100
 95 116.5 95.7 143.5
 132 93.8 76.2 114.4
 97 78.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 11.391 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

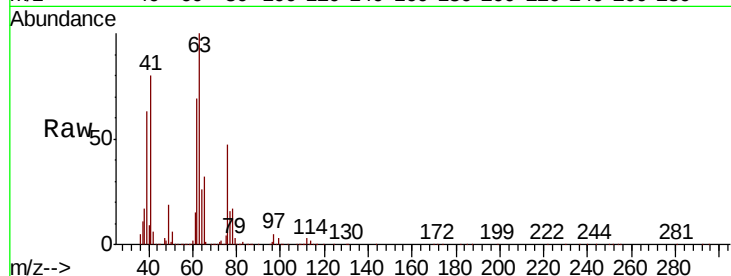
Tot Ion: 63 Resp: 1359445

Ion Ratio Lower Upper

63 100

41 80.3 62.4 93.6

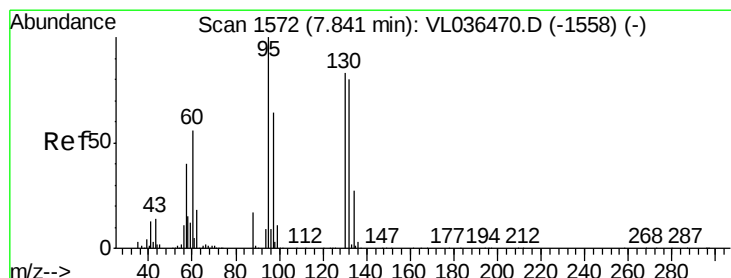
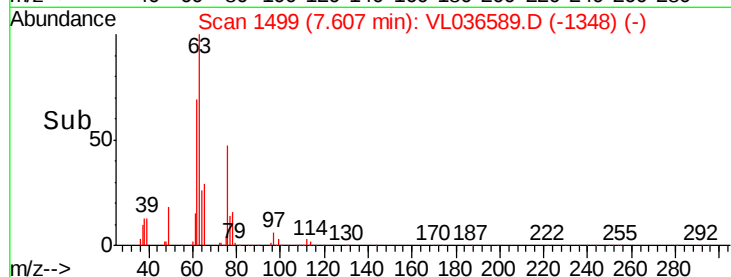
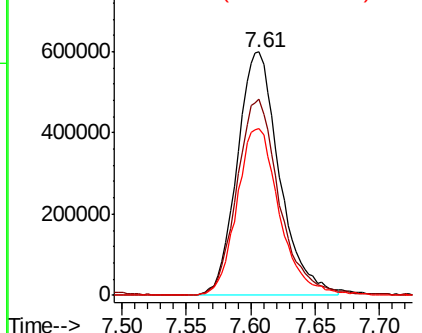
62 68.6 52.8 79.2



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: 5.721 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 88 Resp: 158897

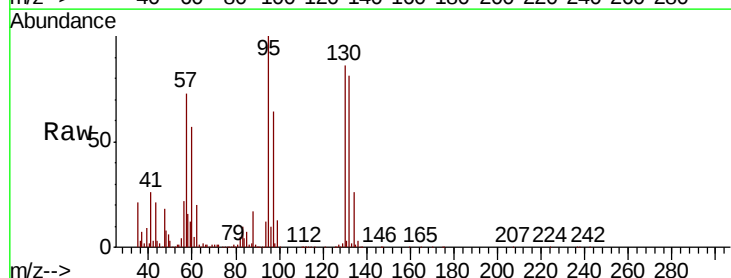
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

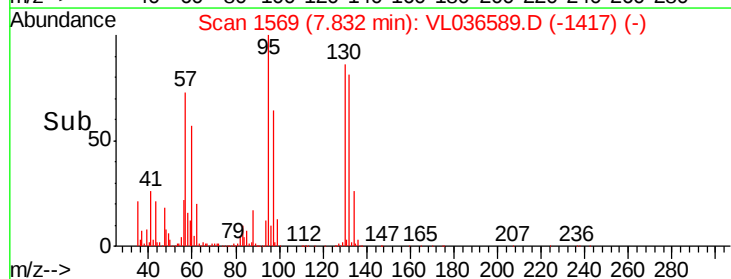
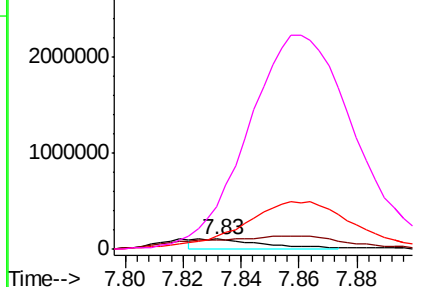


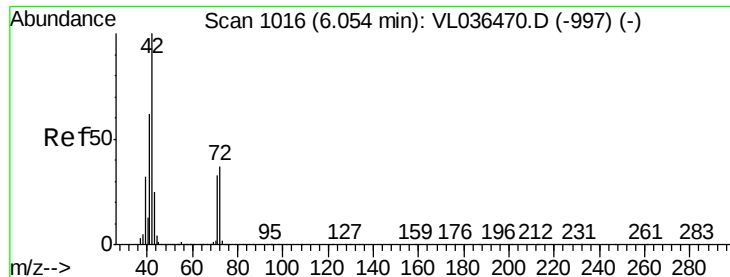
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 11.547 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

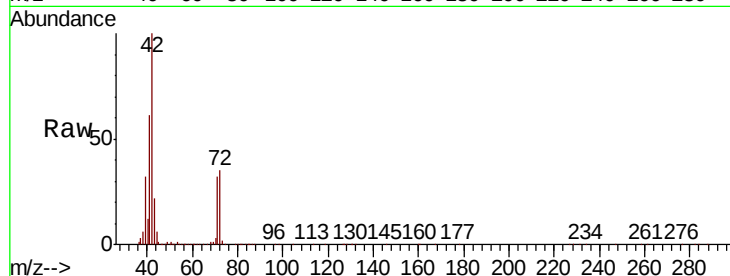
Tot Ion: 42 Resp: 828972

Ion Ratio Lower Upper

42 100

72 37.0 27.6 41.4

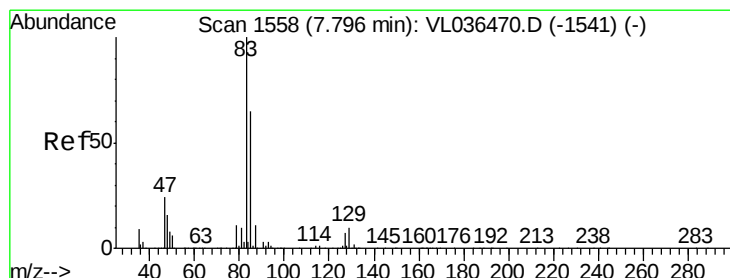
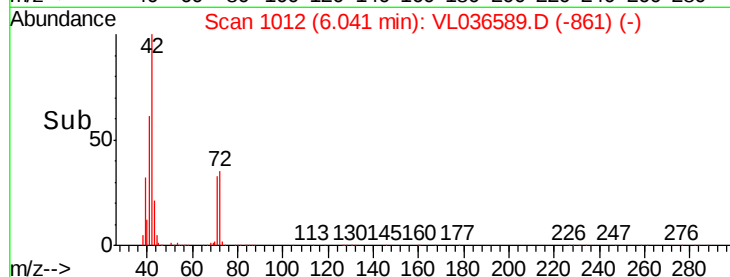
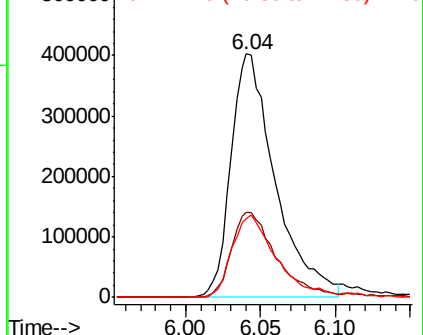
71 35.4 27.0 40.4



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: 12.117 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

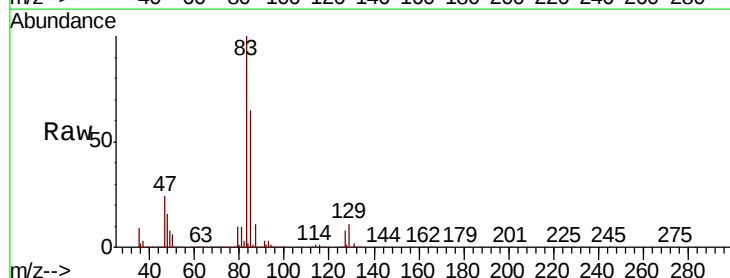
Tgt Ion: 83 Resp: 2853860

Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6

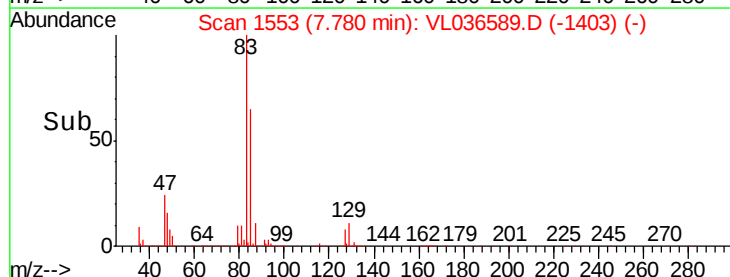
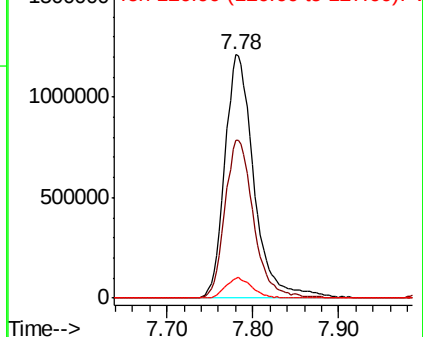
127 8.1 5.8 8.8

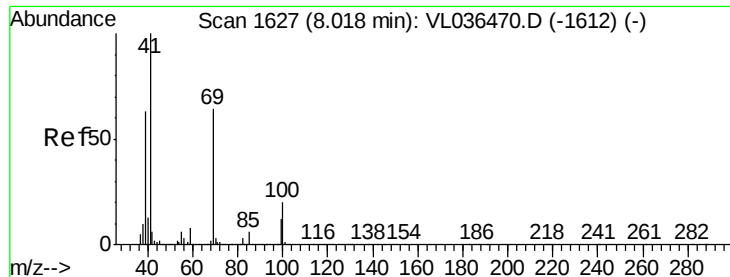


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.652 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.01 min

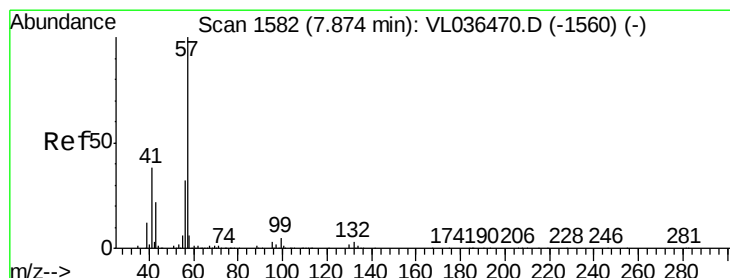
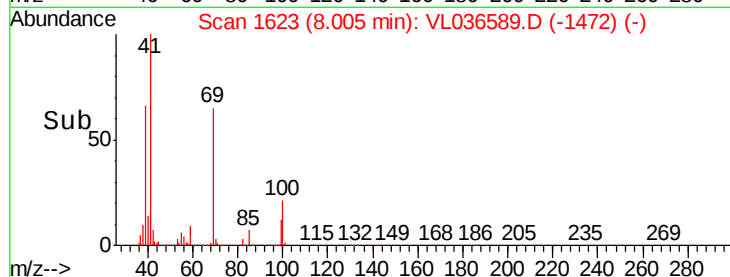
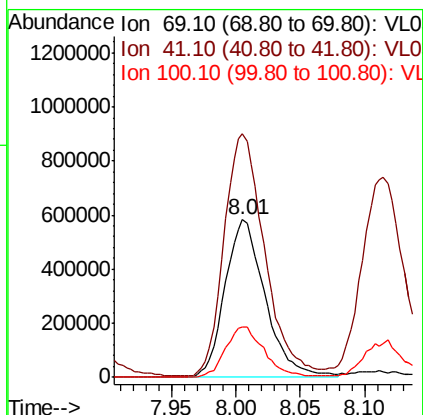
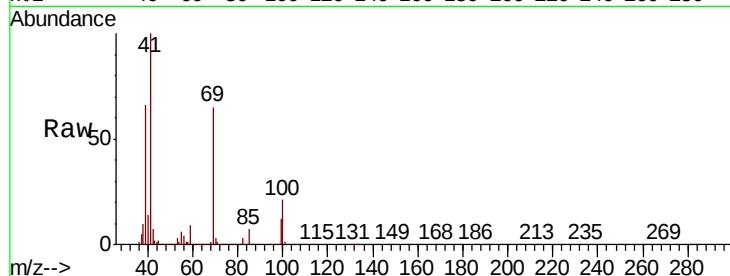
Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1249919

Ion	Ratio	Lower	Upper
69	100		
41	157.7	126.8	190.2
100	31.6	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 11.272 ppbv

RT: 7.86 min Scan# 1577

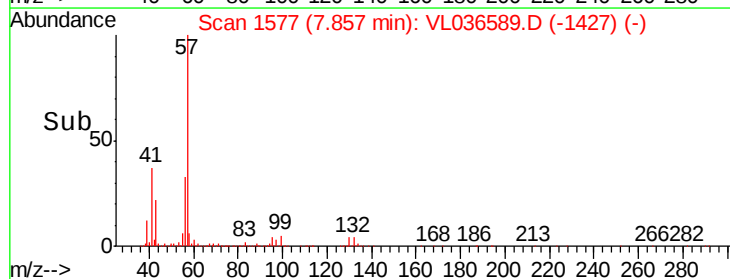
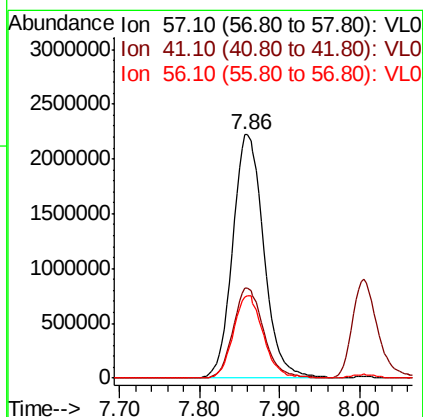
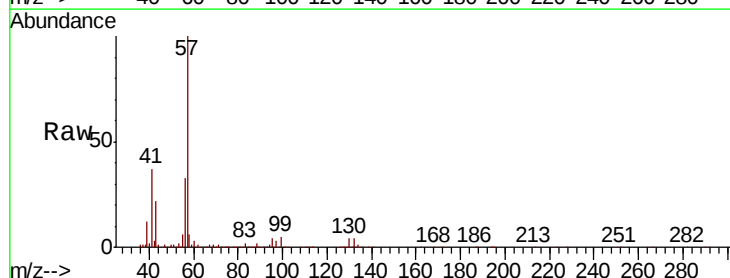
Delta R.T. -0.02 min

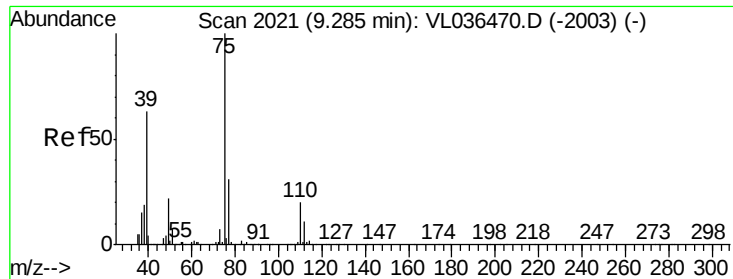
Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion: 57 Resp: 5836155

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.8	43.2
56	32.7	26.1	39.1

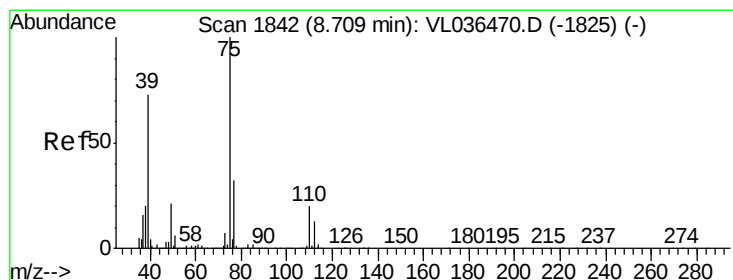
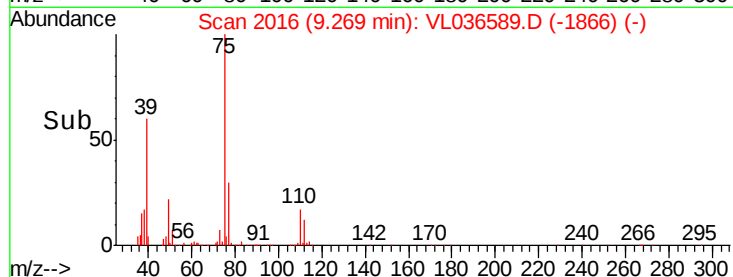
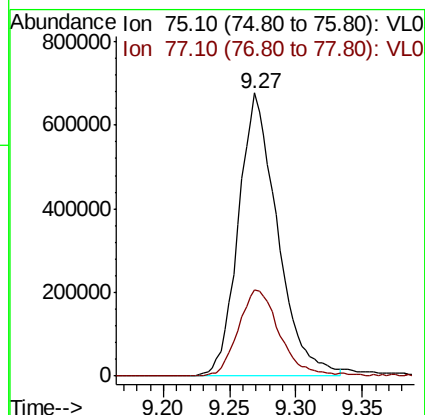
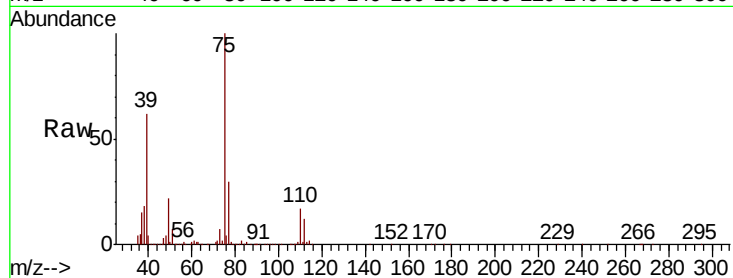




#45
t-1,3-Dichloropropene
Concen: 12.244 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

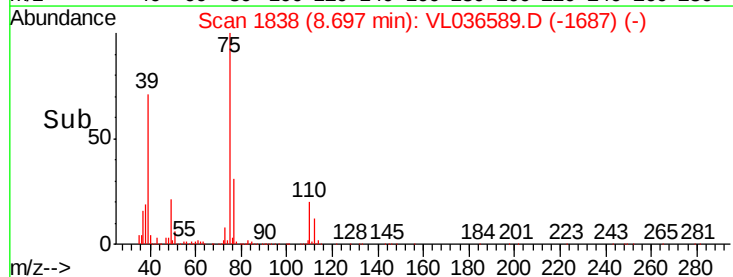
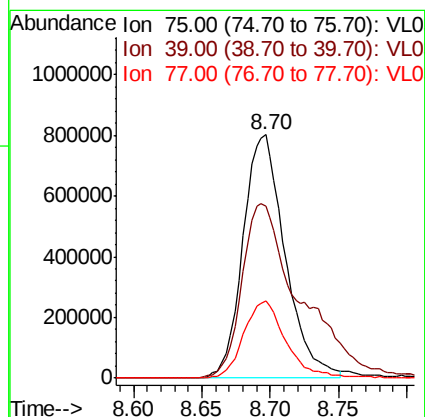
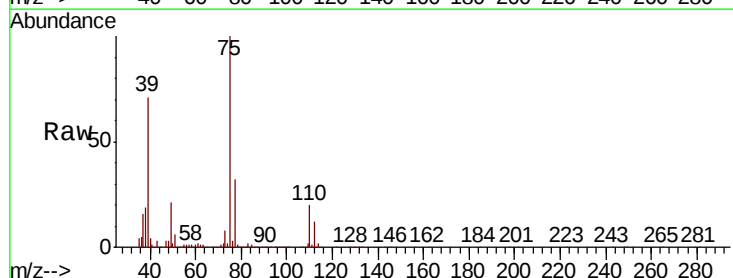
Instrument :
MSVOA_L
ClientSampleId :

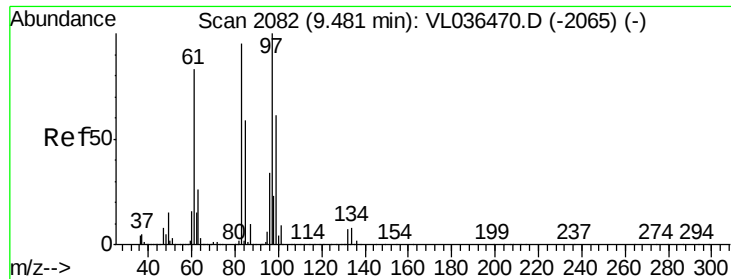
Tot Ion: 75 Resp: 1381220
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 11.916 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 75 Resp: 1718209
Ion Ratio Lower Upper
75 100
39 70.6 58.2 87.2
77 31.5 25.2 37.8

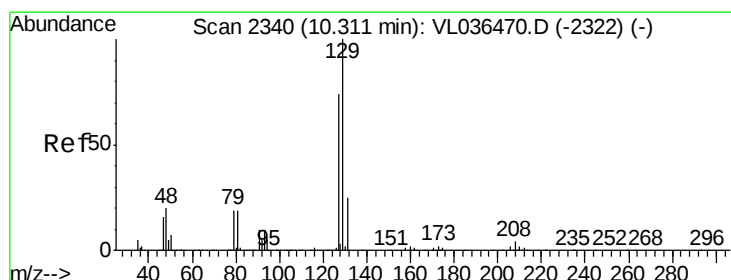
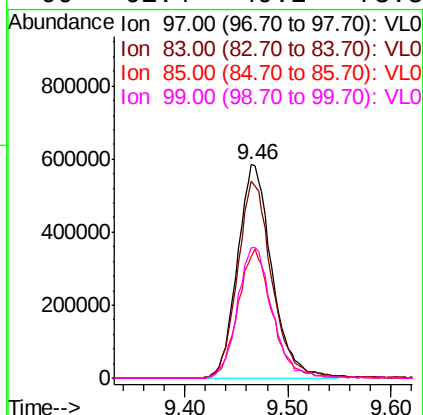
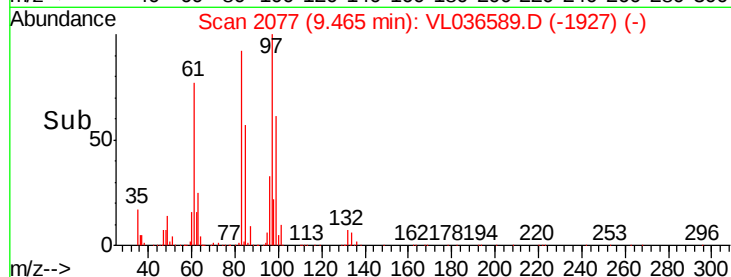
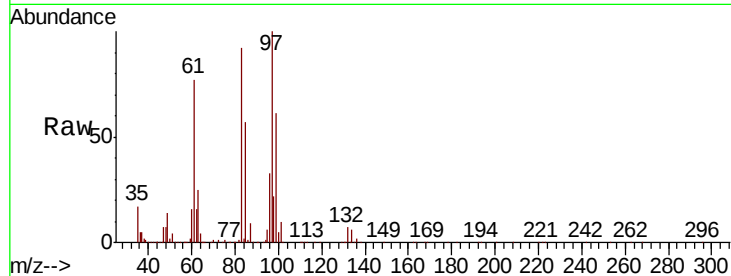




#47
 1,1,2-Trichloroethane
 Concen: 11.252 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

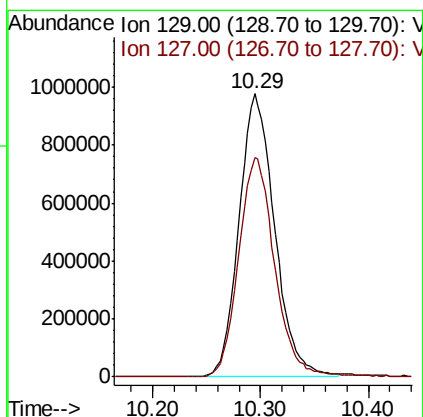
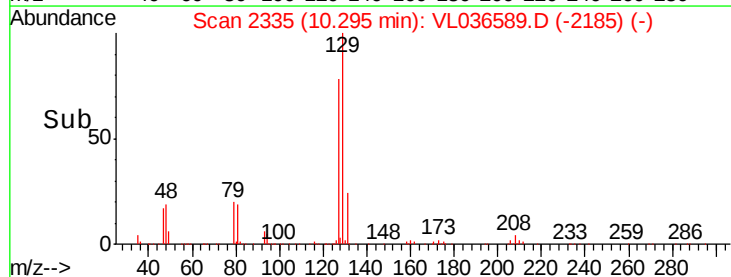
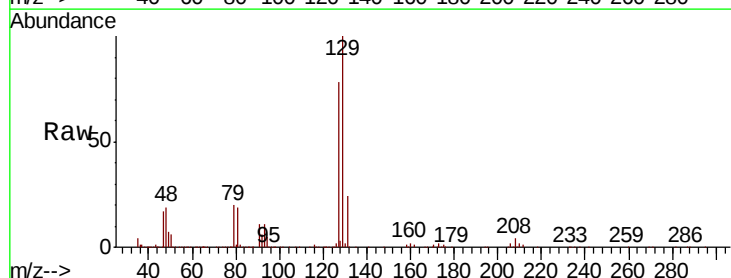
Instrument :
 MSVOA_L
 ClientSampleID :

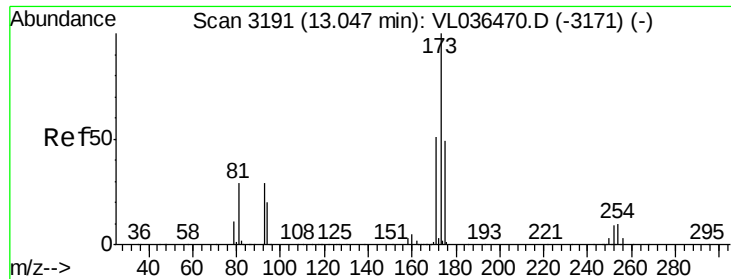
Tot Ion: 97 Resp: 1360161
 Ion Ratio Lower Upper
 97 100
 83 92.3 75.8 113.8
 85 57.0 47.1 70.7
 99 61.4 49.2 73.8



#48
 Dibromochloromethane
 Concen: 12.155 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 129 Resp: 2239674
 Ion Ratio Lower Upper
 129 100
 127 79.1 39.6 118.8





#49

Bromoform

Concen: 11.748 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

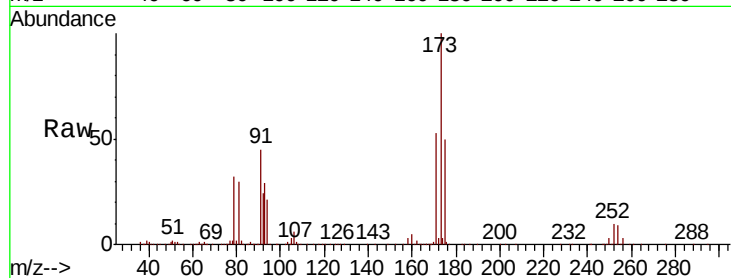
Tot Ion:173 Resp: 1744146

Ion Ratio Lower Upper

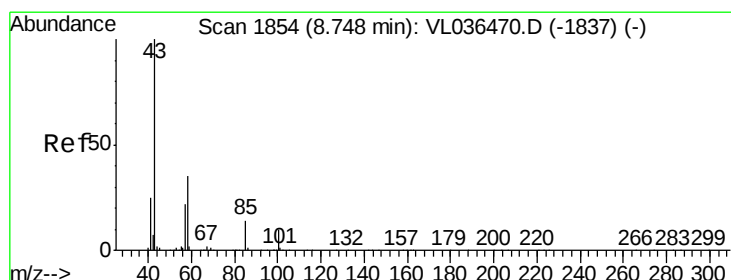
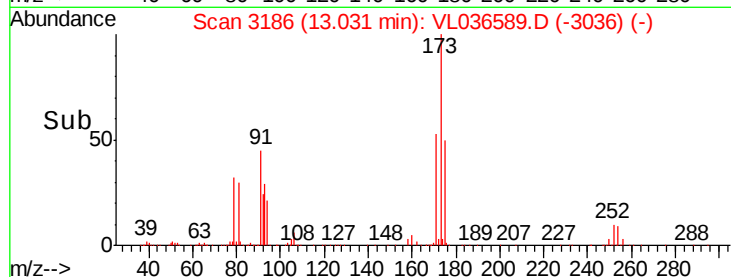
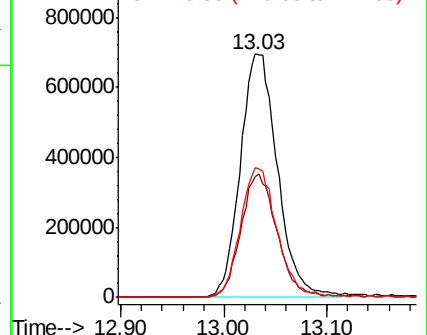
173 100

175 49.8 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: 12.312 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036589.D

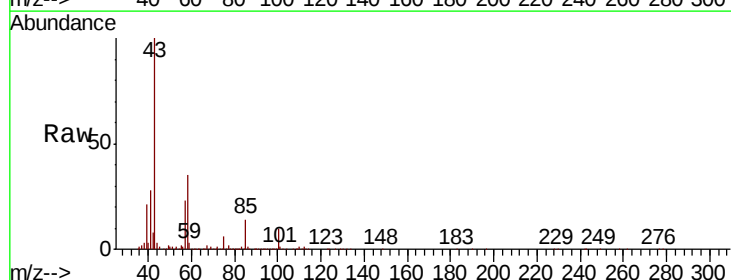
Acq: 31 Mar 2021 4:08

Tgt Ion: 43 Resp: 2773919

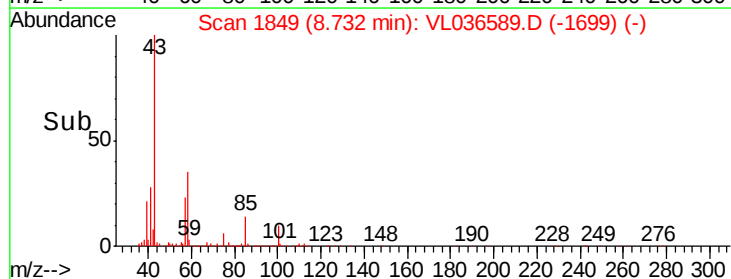
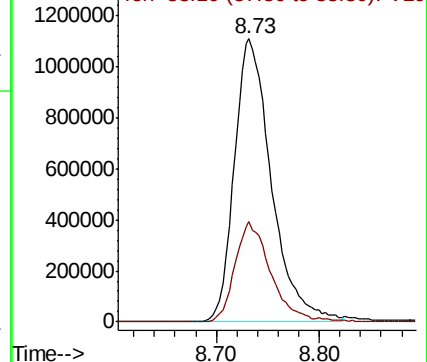
Ion Ratio Lower Upper

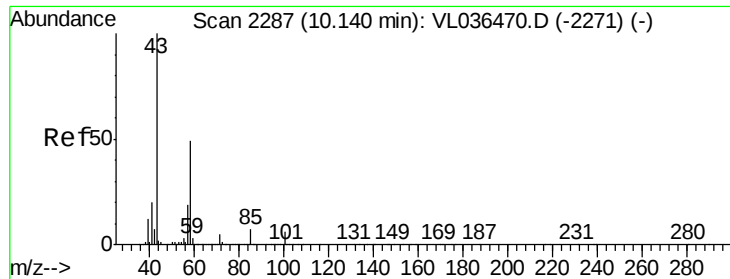
43 100

58 34.7 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

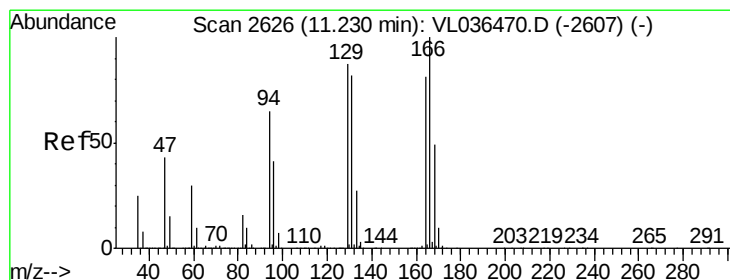
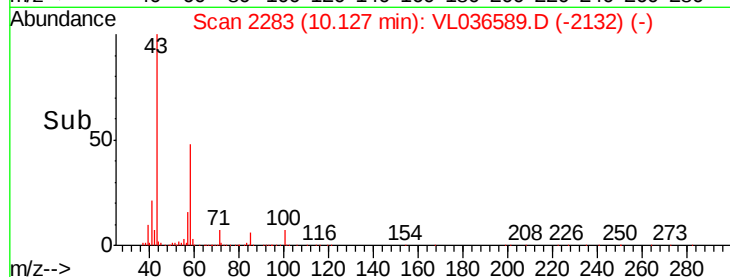
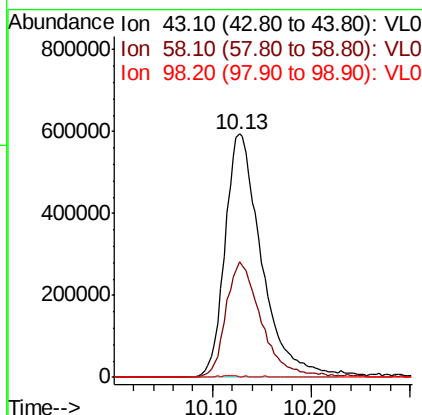
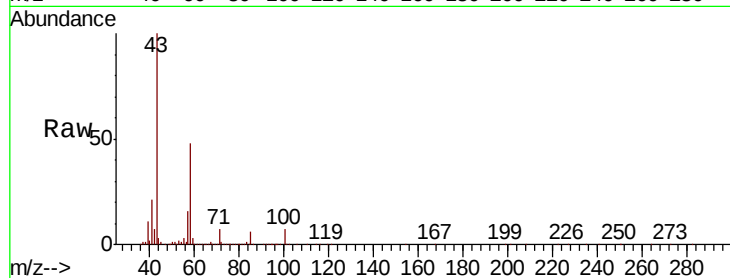




#51
2-Hexanone
Concen: 13.421 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

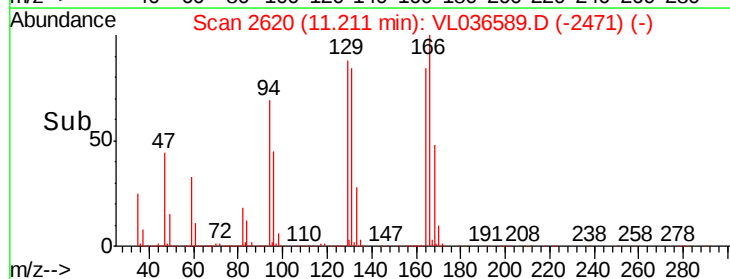
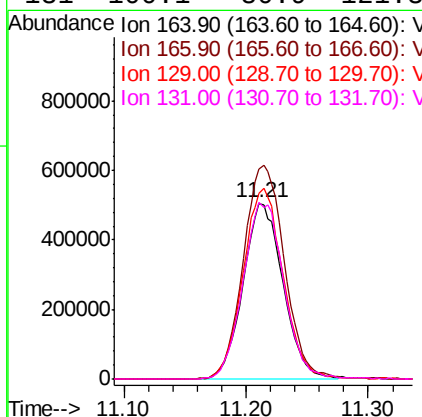
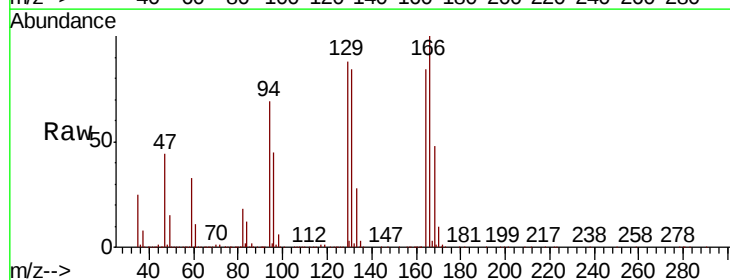
Instrument :
MSVOA_L
ClientSampled :

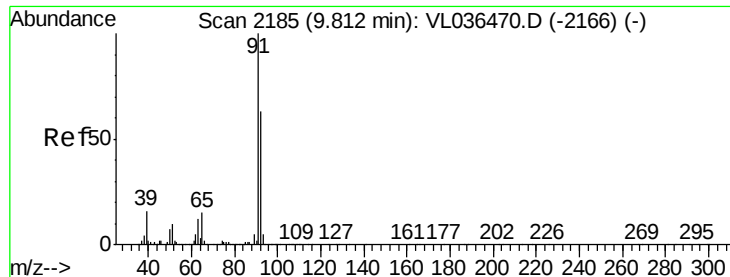
Tot Ion: 43 Resp: 1525975
Ion Ratio Lower Upper
43 100
58 46.9 37.7 56.5
98 0.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.499 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion:164 Resp: 1137419
Ion Ratio Lower Upper
164 100
166 119.5 98.3 147.5
129 105.7 85.8 128.8
131 100.1 80.9 121.3





#53

Toluene

Concen: 11.998 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

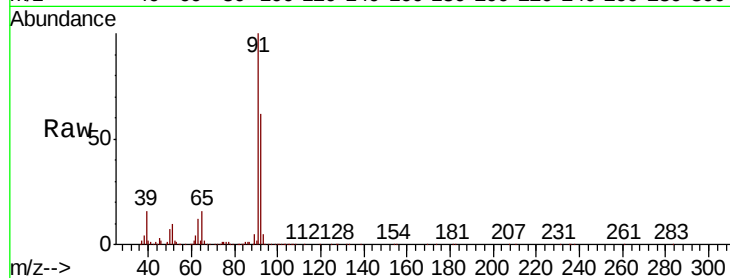
ClientSampleId :

Tot Ion: 91 Resp: 3758951

Ion Ratio Lower Upper

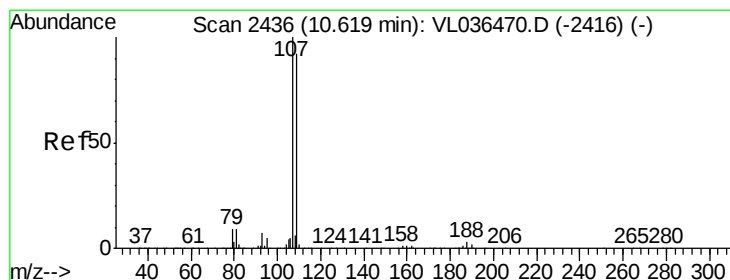
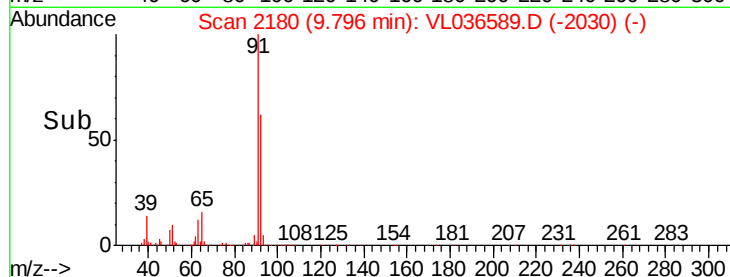
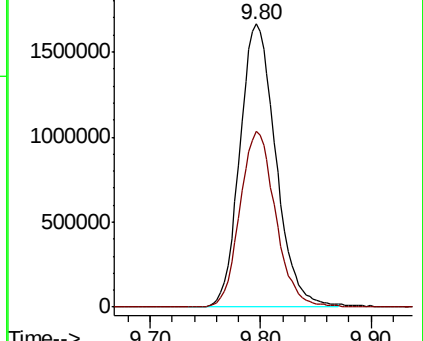
91 100

92 61.8 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.269 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.02 min

Lab File: VL036589.D

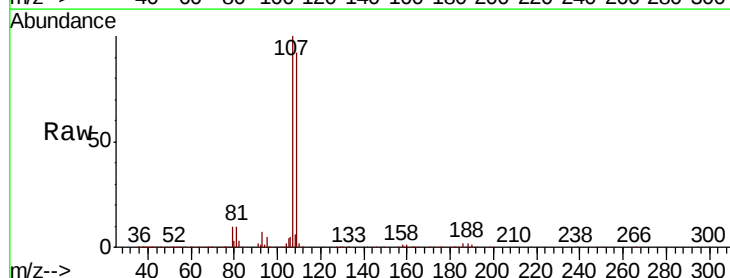
Acq: 31 Mar 2021 4:08

Tgt Ion: 107 Resp: 1923708

Ion Ratio Lower Upper

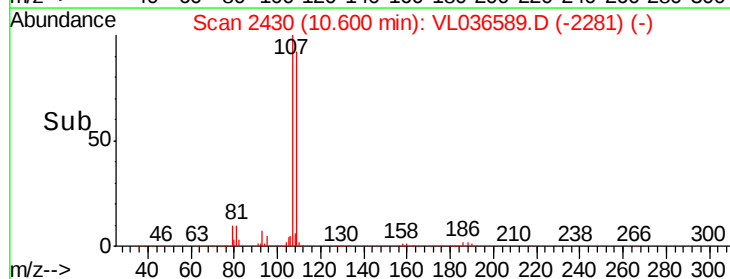
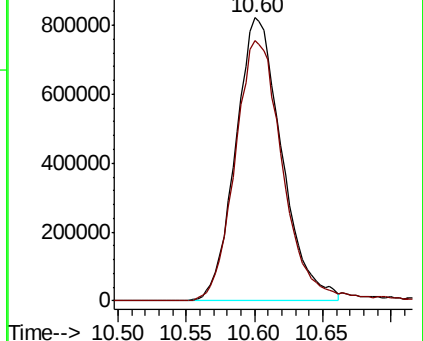
107 100

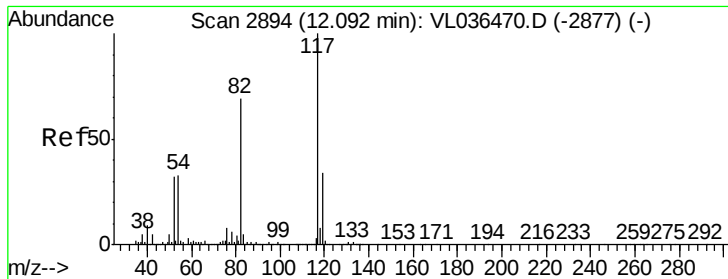
109 91.7 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

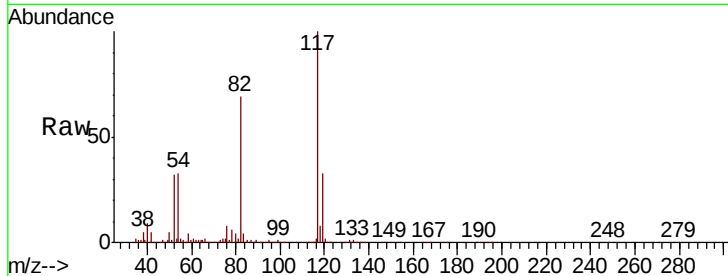
Tot Ion:117 Resp: 3845977

Ion Ratio Lower Upper

117 100

82 53.9 57.4 86.0#

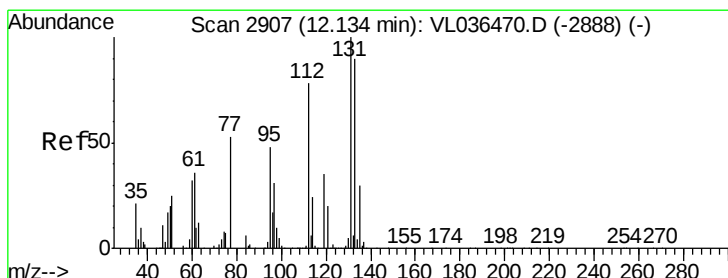
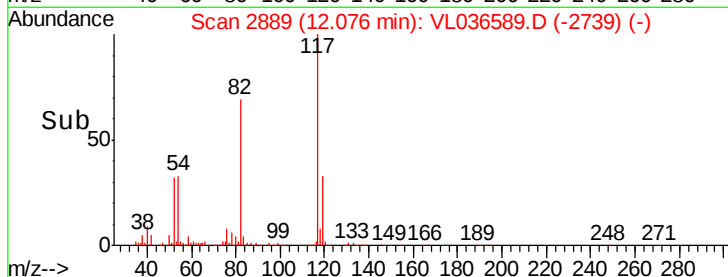
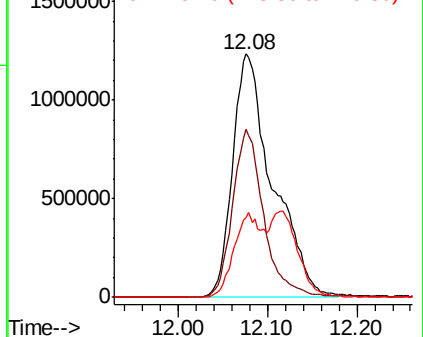
119 26.3 47.4 71.0#



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: 8.611 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

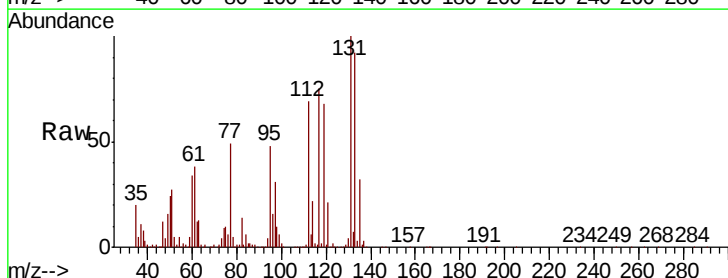
Tgt Ion:131 Resp: 1497955

Ion Ratio Lower Upper

131 100

133 96.1 75.8 113.6

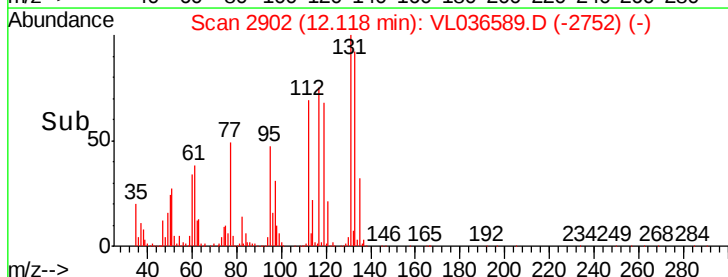
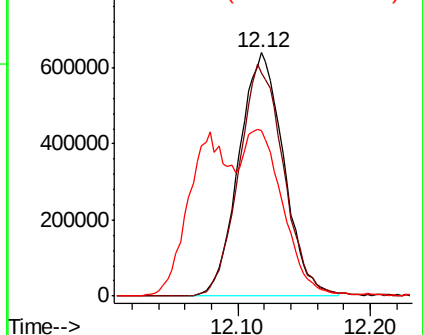
119 58.2 48.7 73.1

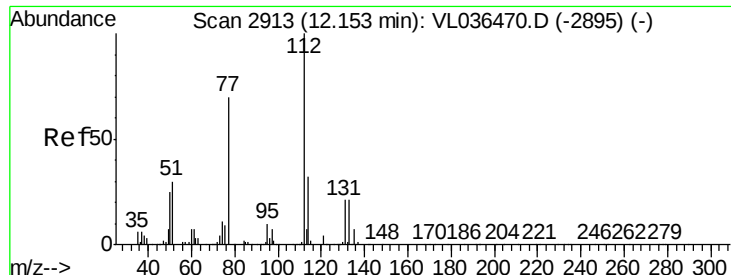


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.215 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

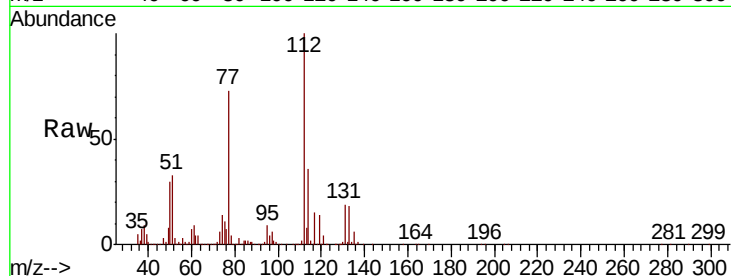
Tot Ion:112 Resp: 2688139

Ion Ratio Lower Upper

112 100

77 71.3 56.0 84.0

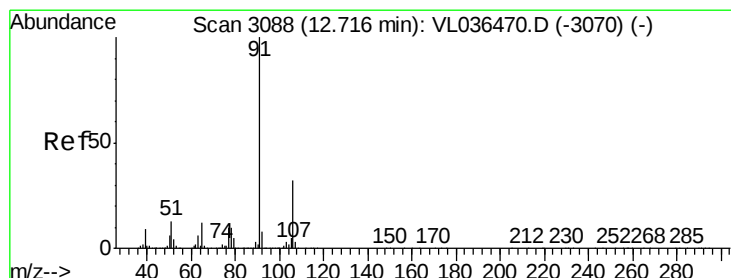
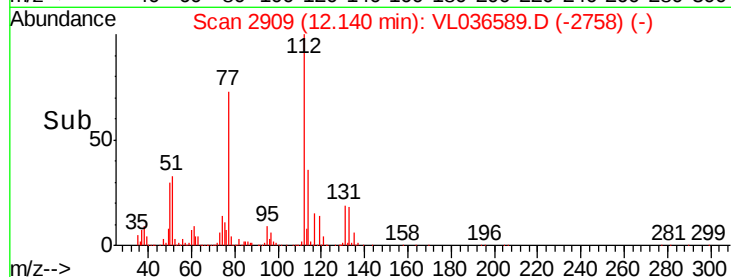
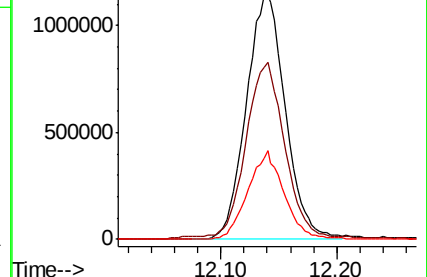
114 35.7 29.0 35.4#



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: 8.936 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL036589.D

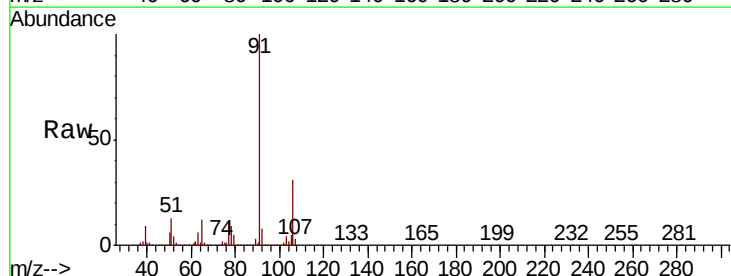
Acq: 31 Mar 2021 4:08

Tgt Ion: 91 Resp: 5000089

Ion Ratio Lower Upper

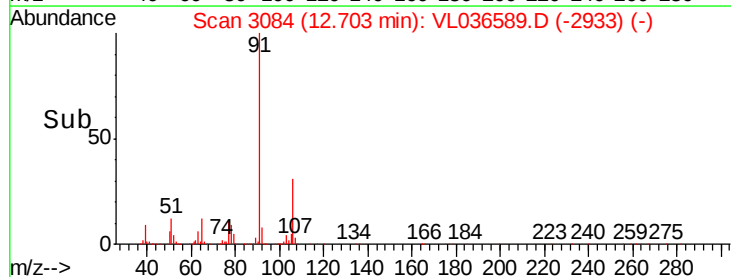
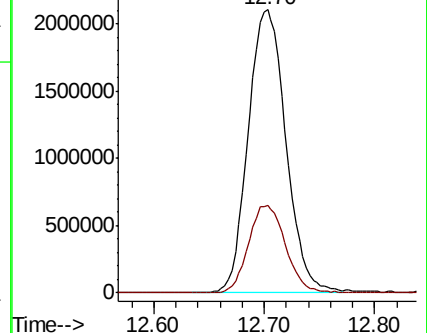
91 100

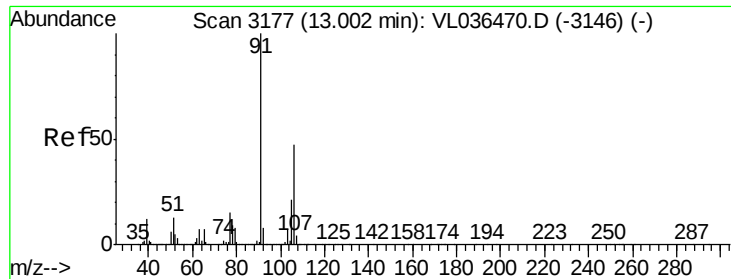
106 31.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

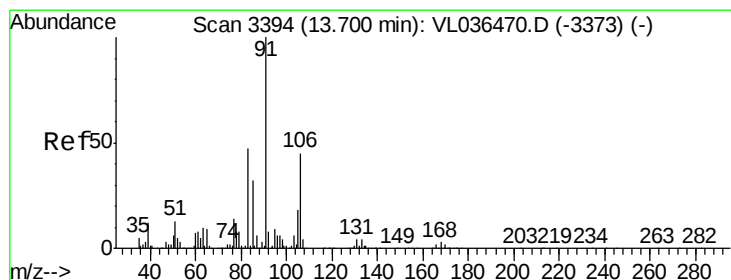
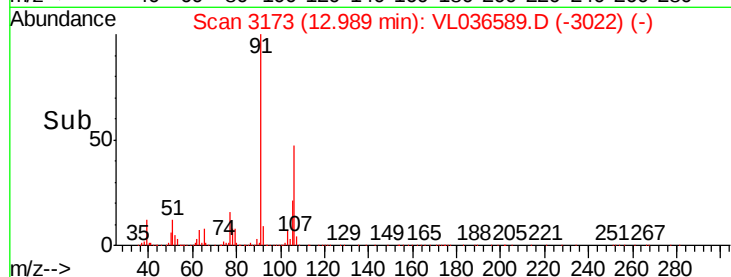
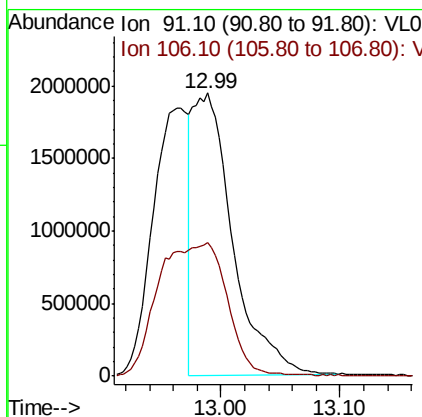
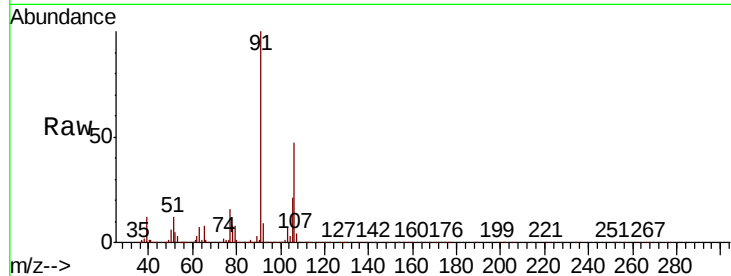




#59
m/p-Xylene
Concen: 9.288 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

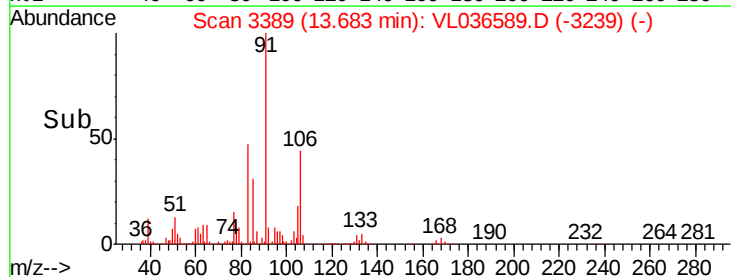
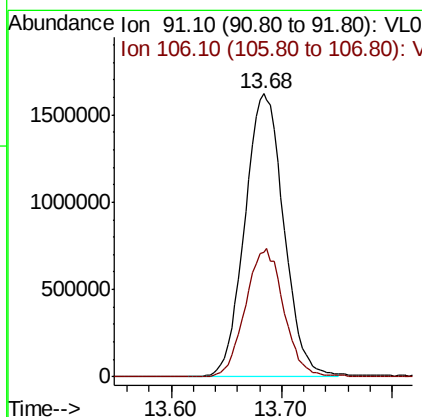
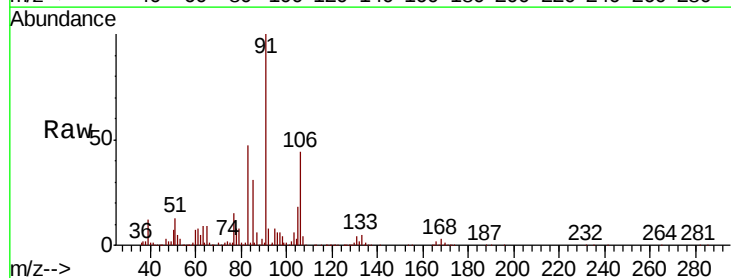
Instrument :
MSVOA_L
ClientSampled :

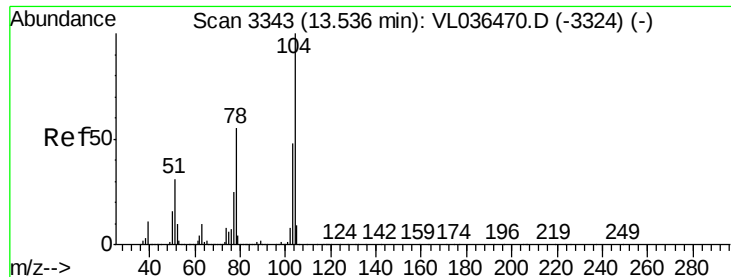
Tot Ion: 91 Resp: 4533023
Ion Ratio Lower Upper
91 100
106 81.2 35.3 52.9#



#60
o-Xylene
Concen: 8.391 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.02 min
Lab File: VL036589.D
Acq: 31 Mar 2021 4:08

Tgt Ion: 91 Resp: 3959701
Ion Ratio Lower Upper
91 100
106 44.6 22.3 66.9





#61

Stvrene

Concen: 9.700 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

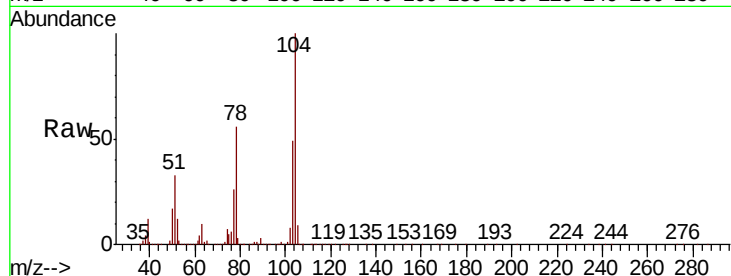
Tot Ion:104 Resp: 2302922

Ion Ratio Lower Upper

104 100

78 55.3 43.8 65.8

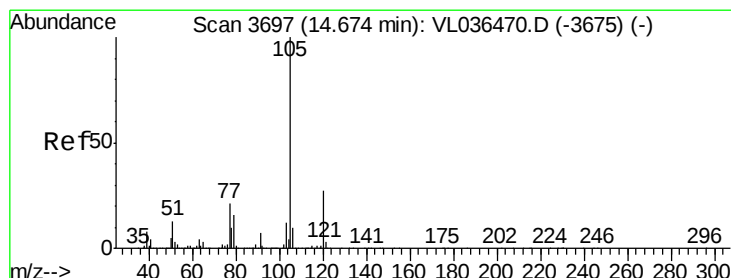
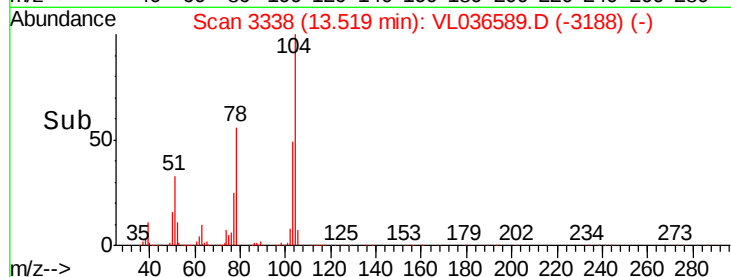
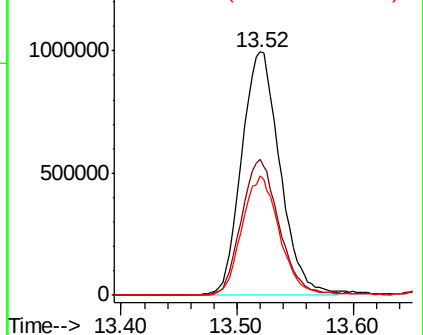
103 48.0 38.3 57.5



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: 8.412 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL036589.D

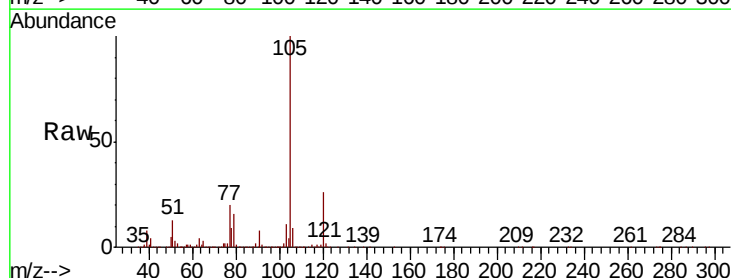
Acq: 31 Mar 2021 4:08

Tgt Ion:105 Resp: 5345716

Ion Ratio Lower Upper

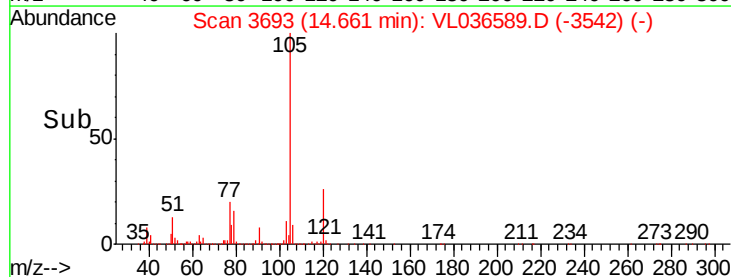
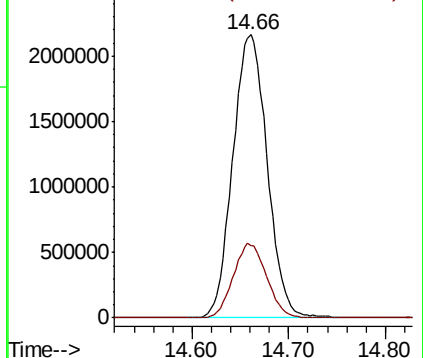
105 100

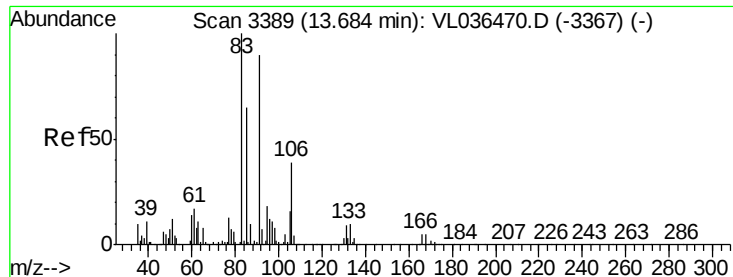
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

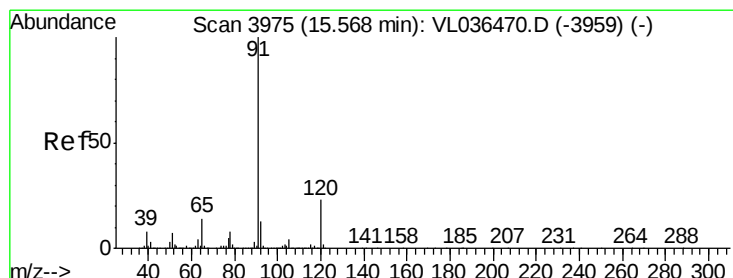
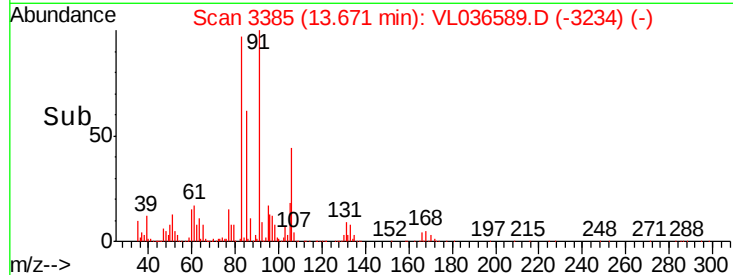
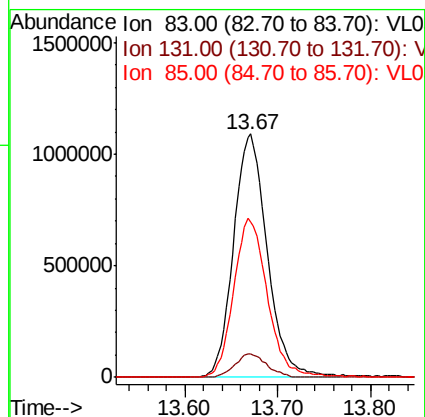
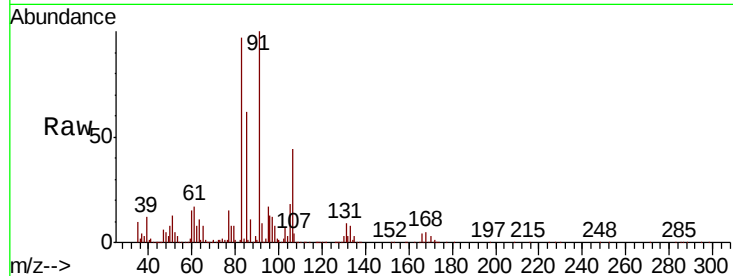




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.632 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

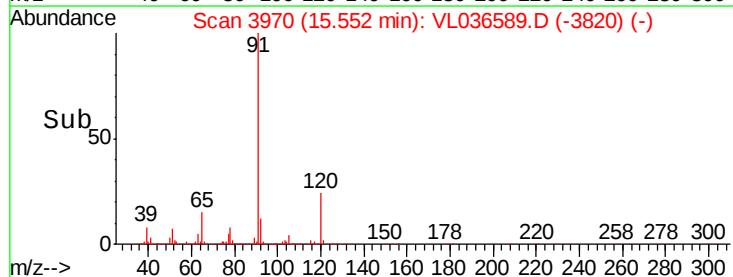
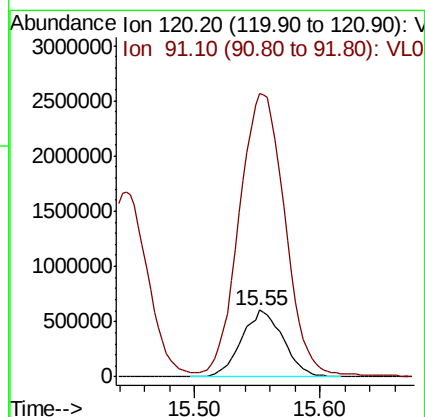
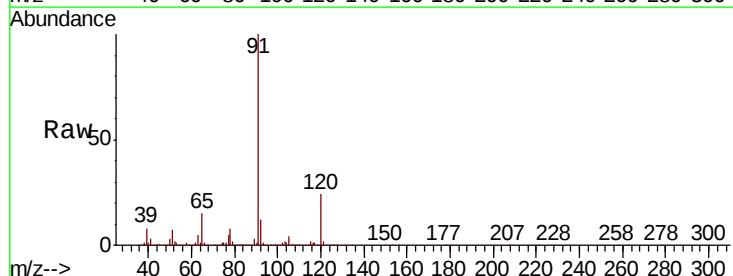
Instrument :
 MSVOA_L
 ClientSampled :

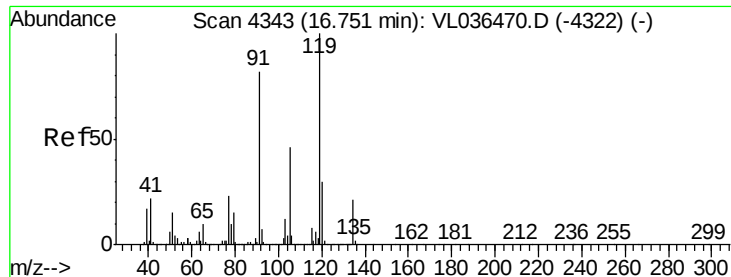
Tot Ion: 83 Resp: 2747211
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 65.3 33.1 99.3



#64
 n-propylbenzene
 Concen: 9.017 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 120 Resp: 1401021
 Ion Ratio Lower Upper
 120 100
 91 466.7 377.4 566.2





#65

tert-Butylbenzene

Concen: 8.314 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

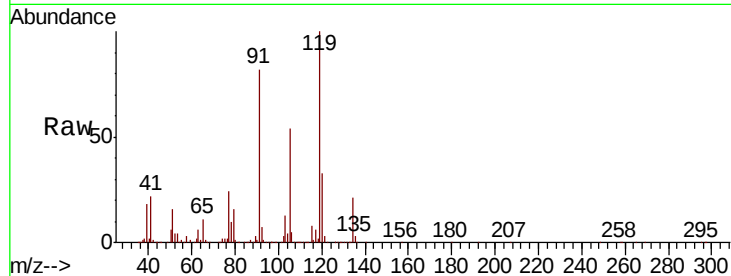
Tot Ion:119 Resp: 4581391

Ion Ratio Lower Upper

119 100

91 85.0 67.5 101.3

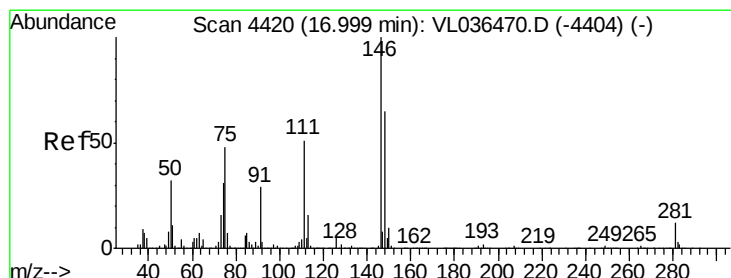
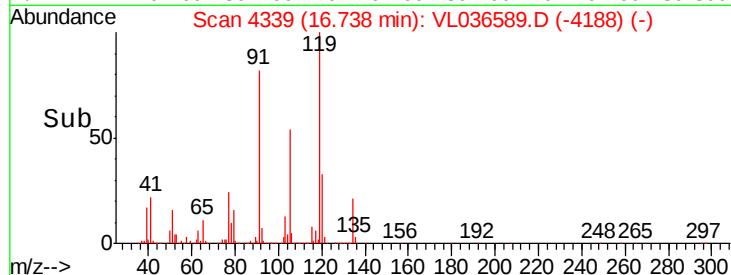
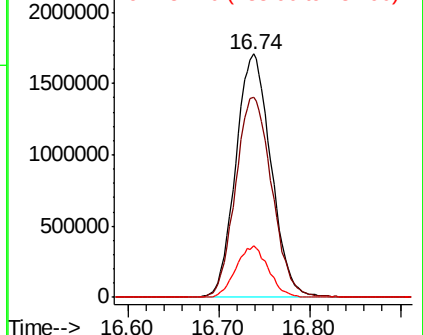
134 19.6 15.8 23.8



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: 9.436 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

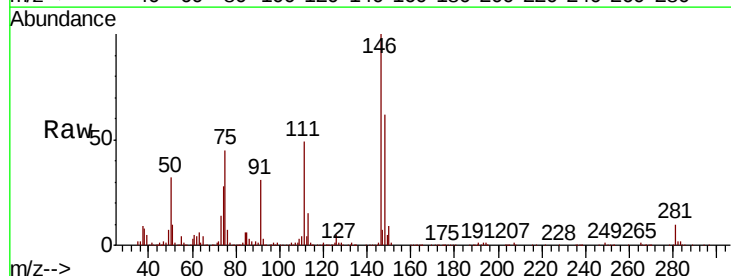
Tgt Ion: 91 Resp: 574747

Ion Ratio Lower Upper

91 100

126 17.2 13.5 20.3

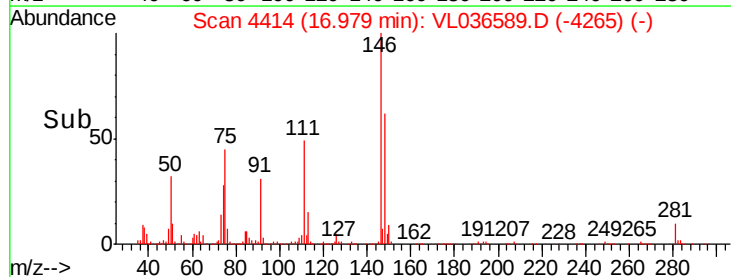
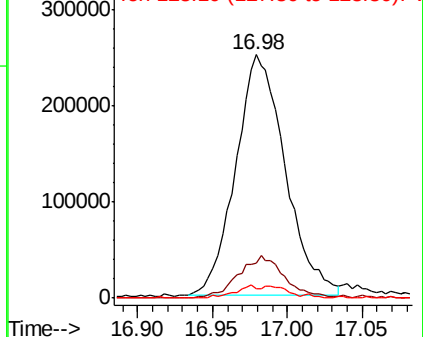
128 5.9 4.2 6.4

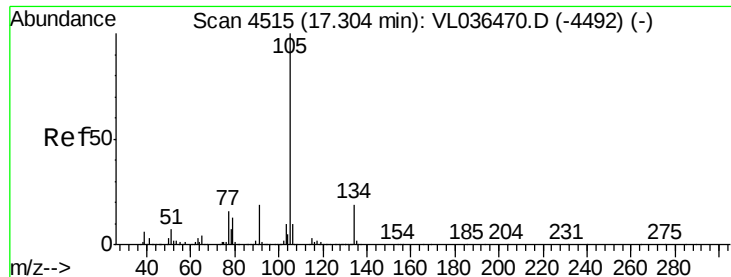


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.228 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

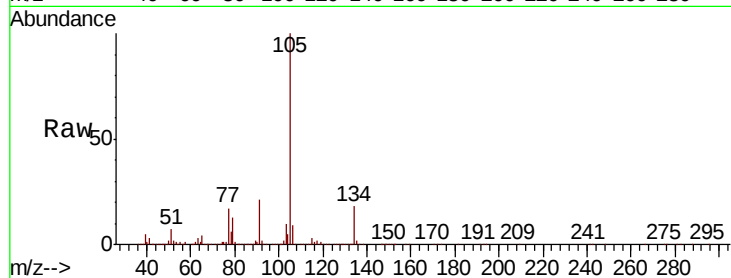
ClientSampled :

Tot Ion:105 Resp: 6400278

Ion Ratio Lower Upper

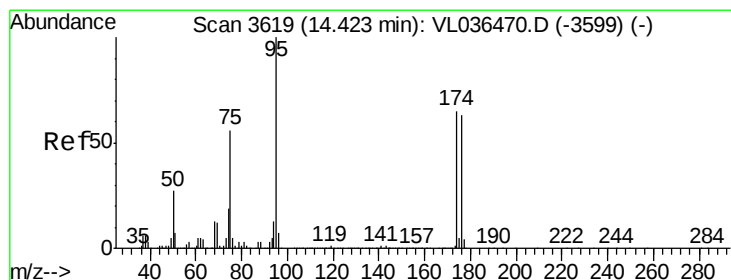
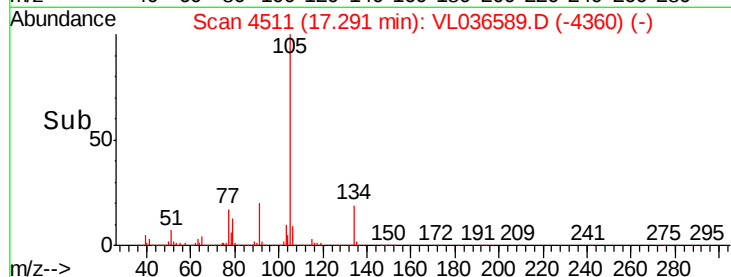
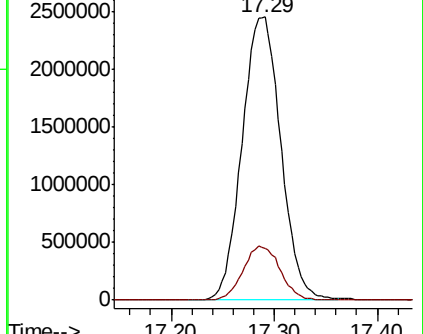
105 100

134 18.4 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: 8.137 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

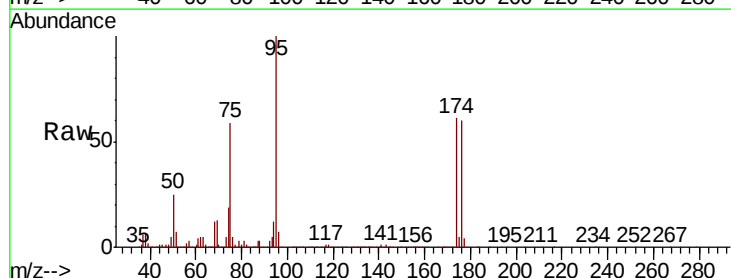
Tgt Ion: 95 Resp: 2494076

Ion Ratio Lower Upper

95 100

174 63.0 51.0 76.6

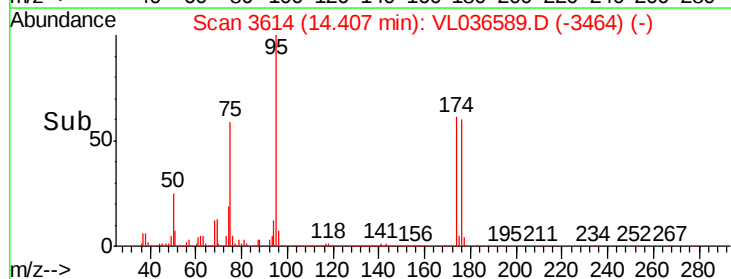
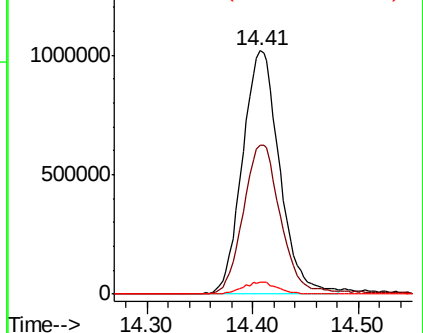
175 4.8 3.9 5.9

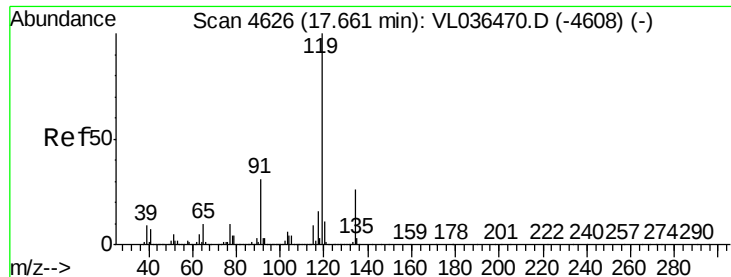


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

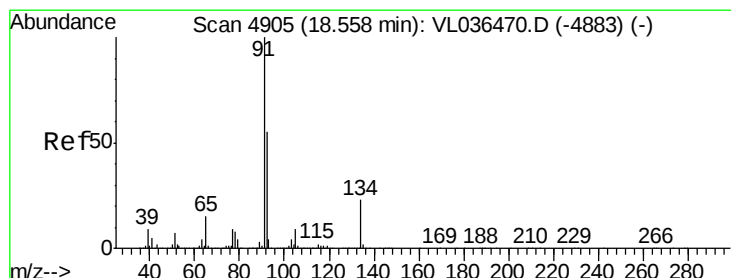
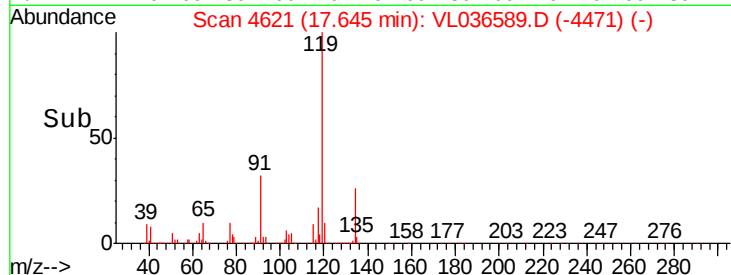
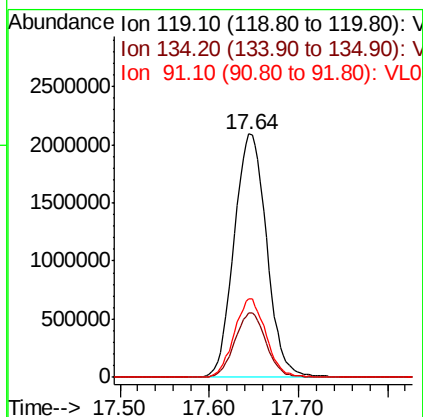
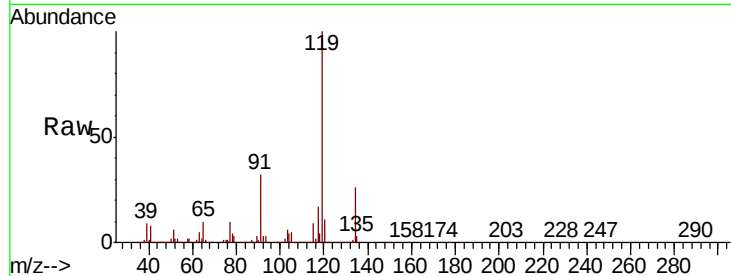




#69
 p-Isopropyltoluene
 Concen: 8.728 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

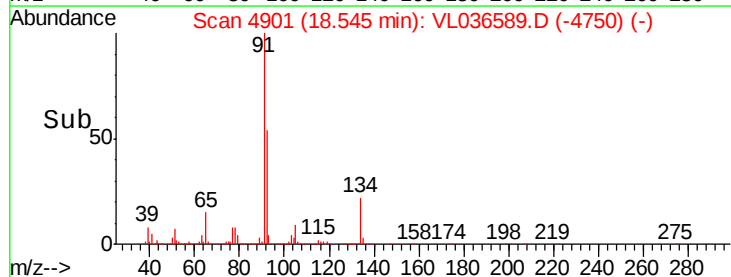
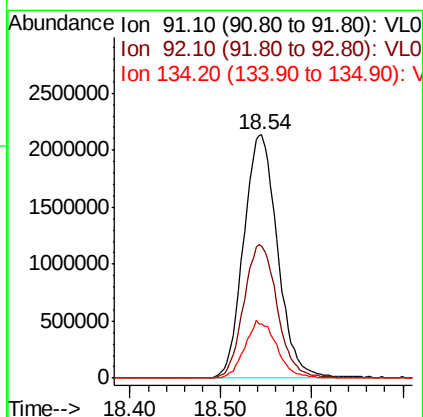
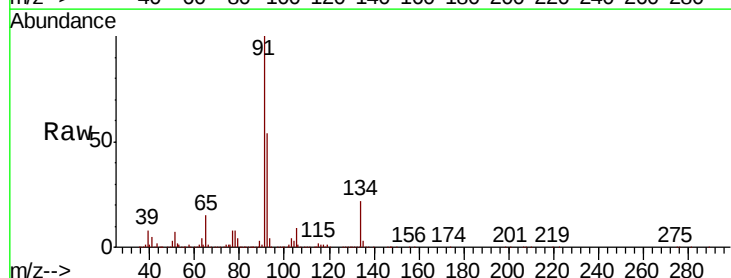
Instrument :
 MSVOA_L
 ClientSampled :

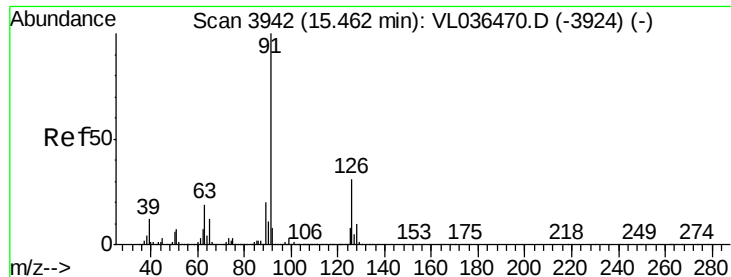
Tot Ion: 119 Resp: 5301128
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 30.8
 91 31.4 25.0 37.6



#70
 n-Butylbenzene
 Concen: 8.750 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 91 Resp: 5510510
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.8 65.8
 134 22.4 18.0 27.0

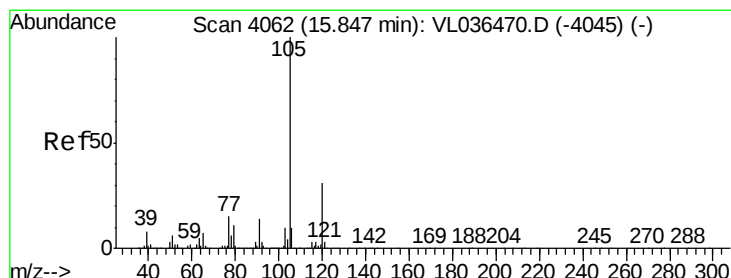
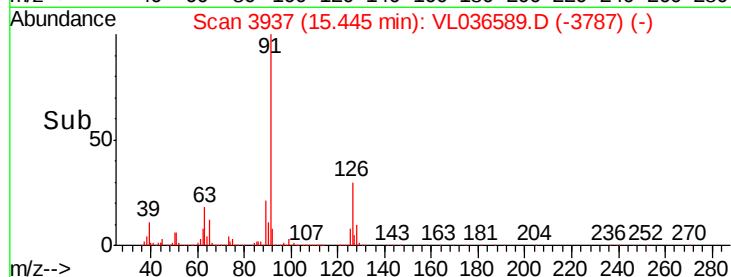
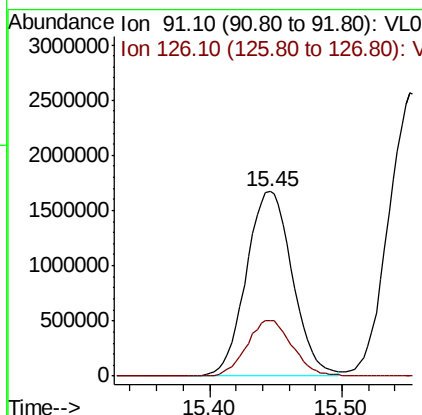
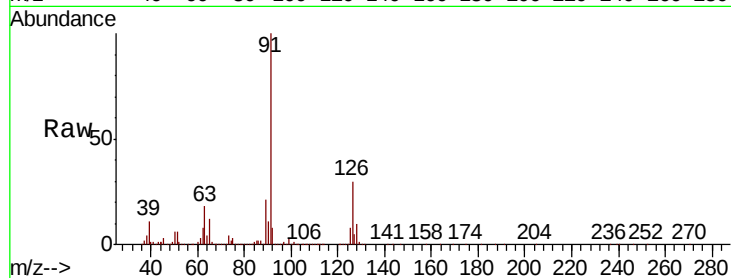




#71
 2-Chlorotoluene
 Concen: 8.504 ppbv
 RT: 15.45 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

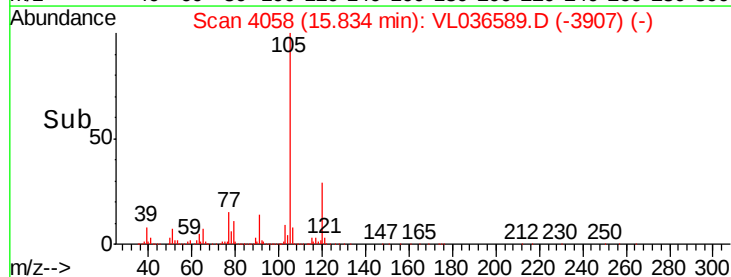
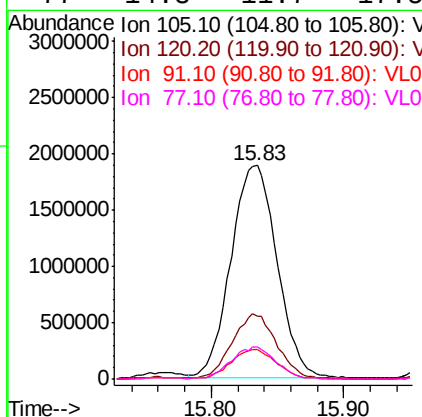
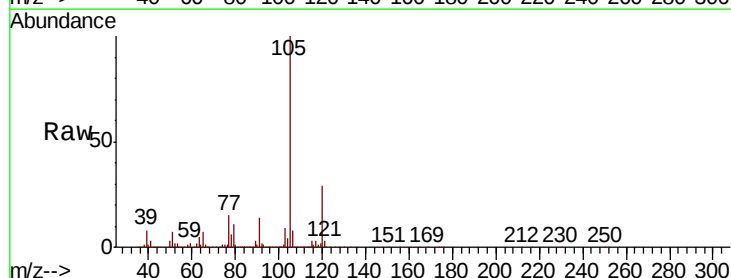
Instrument :
 MSVOA_L
 ClientSampleId :

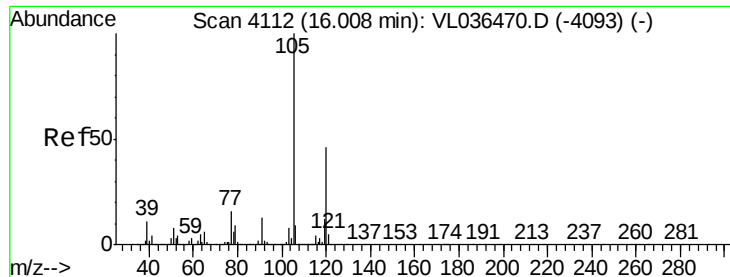
Tot Ion: 91 Resp: 4049311
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.802 ppbv
 RT: 15.83 min Scan# 4058
 Delta R.T. -0.01 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Tgt Ion: 105 Resp: 4551410
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.0 36.0
 91 13.7 11.0 16.4
 77 14.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.586 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

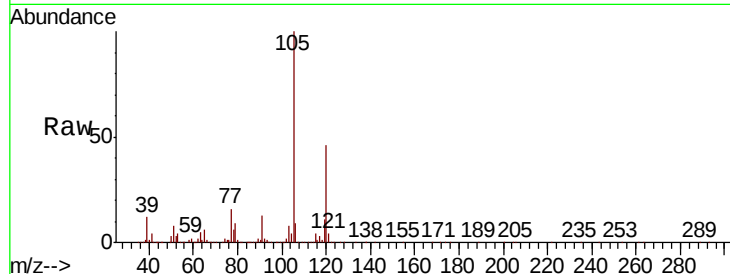
ClientSampleId :

Tot Ion:105 Resp: 4143643

Ion Ratio Lower Upper

105 100

120 46.1 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

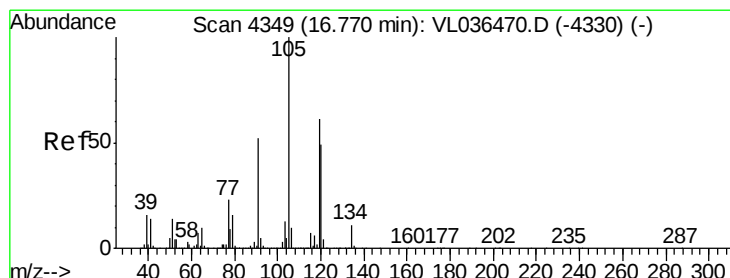
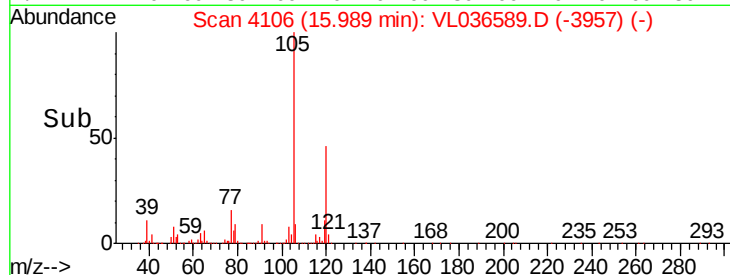
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.213 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Tgt Ion:105 Resp: 4241621

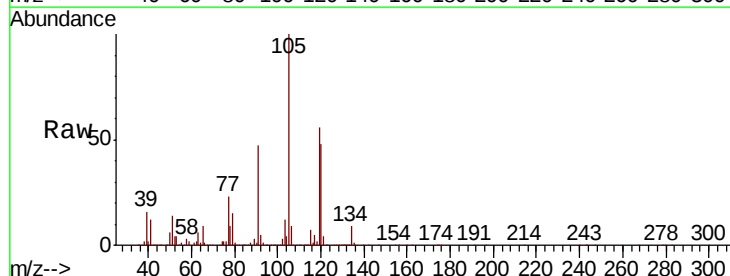
Ion Ratio Lower Upper

105 100

120 48.0 39.2 58.8

91 46.9 42.6 64.0

77 22.5 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

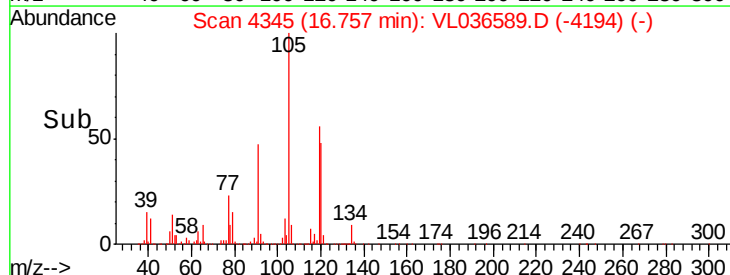
500000

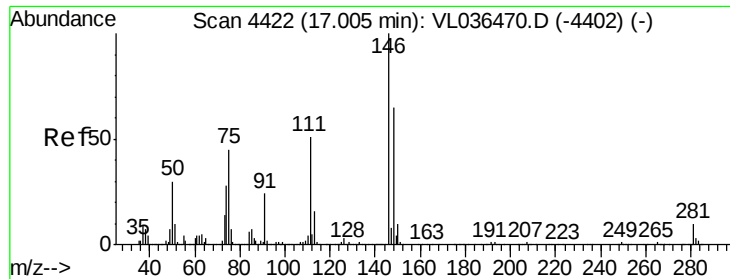
0

16.70

16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.011 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

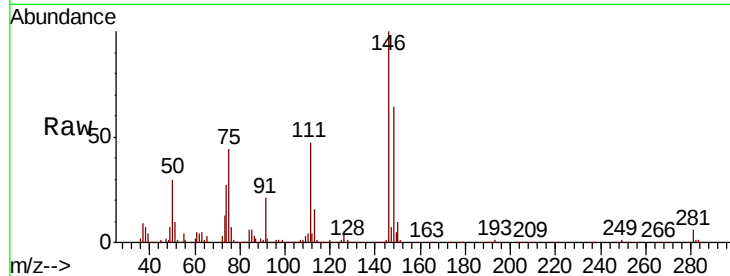
Tot Ion:146 Resp: 2328906

Ion Ratio Lower Upper

146 100

111 48.8 24.5 73.5

148 64.9 32.3 96.9

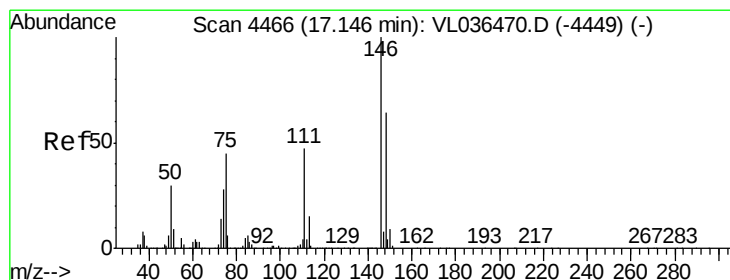
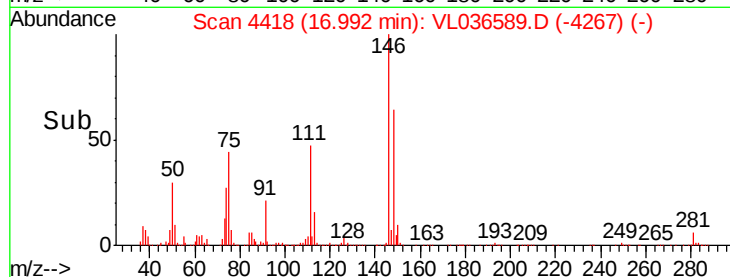
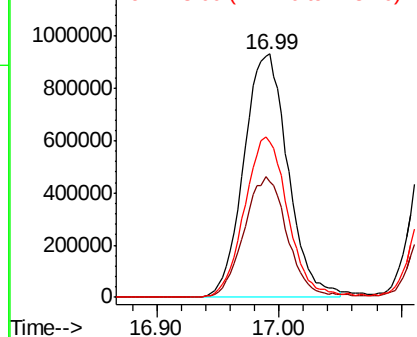


Abundance

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: 7.758 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

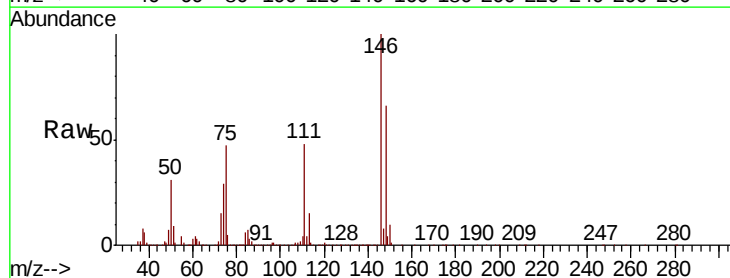
Tgt Ion:146 Resp: 2239155

Ion Ratio Lower Upper

146 100

111 49.3 24.3 72.8

148 67.0 33.0 98.9

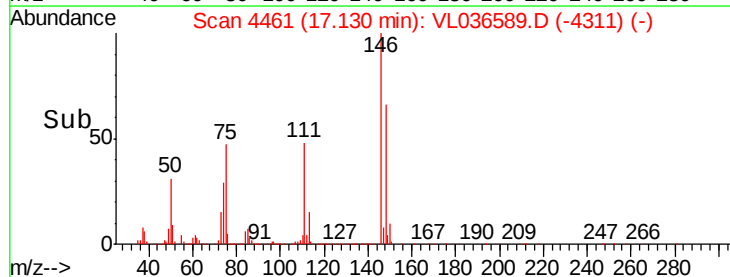
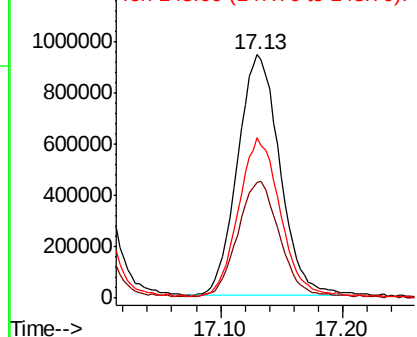


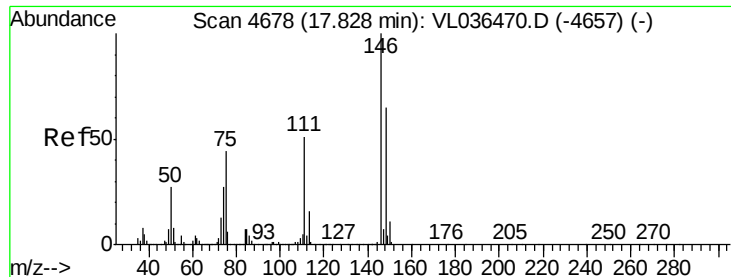
Abundance

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: 8.176 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

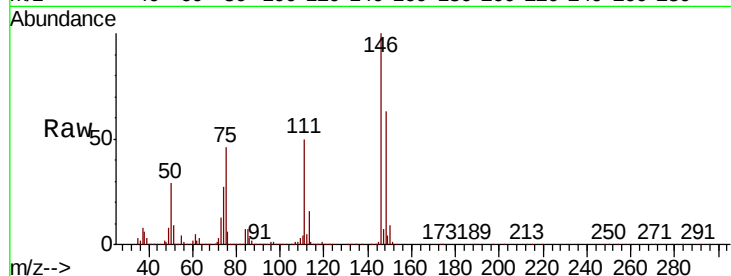
Tot Ion:146 Resp: 2234145

Ion Ratio Lower Upper

146 100

111 50.4 25.5 76.5

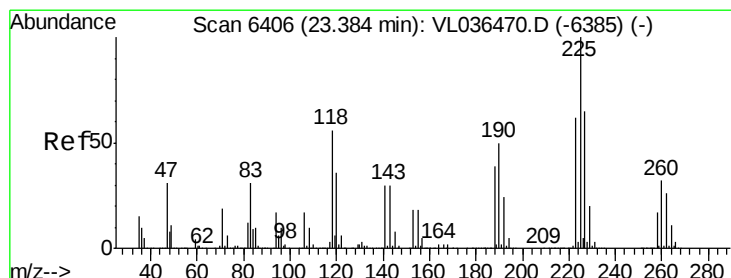
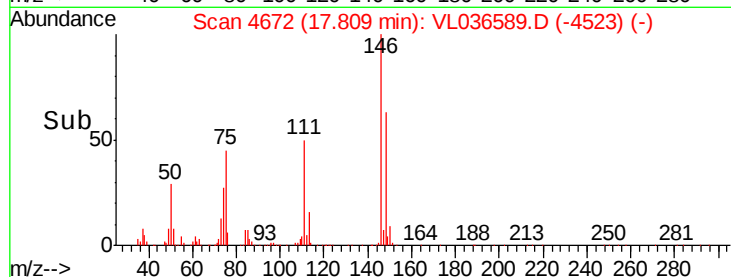
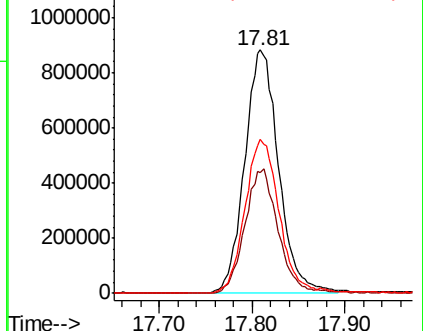
148 64.1 32.9 98.6



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: 7.805 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

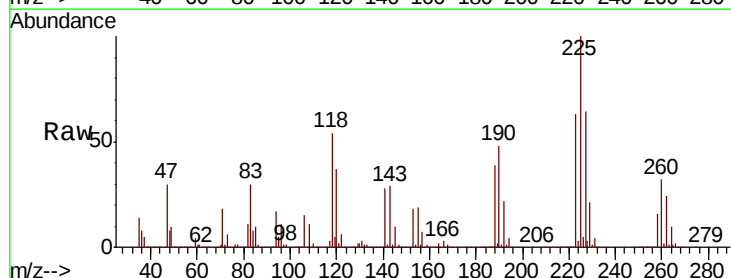
Tgt Ion:225 Resp: 1910086

Ion Ratio Lower Upper

225 100

223 64.1 50.6 75.8

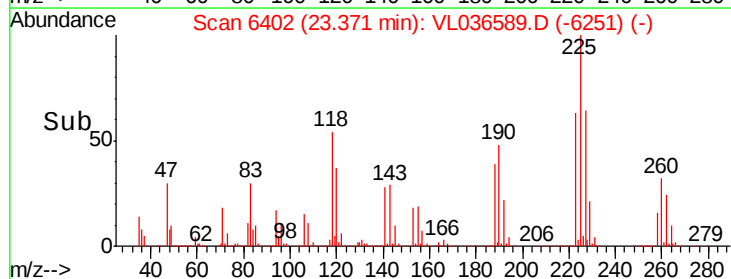
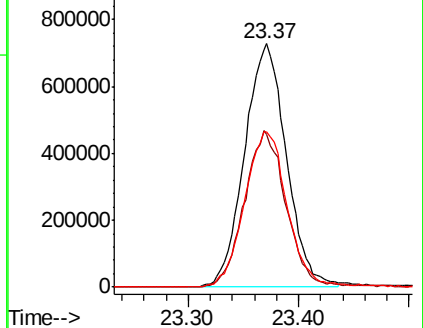
227 65.8 52.2 78.2

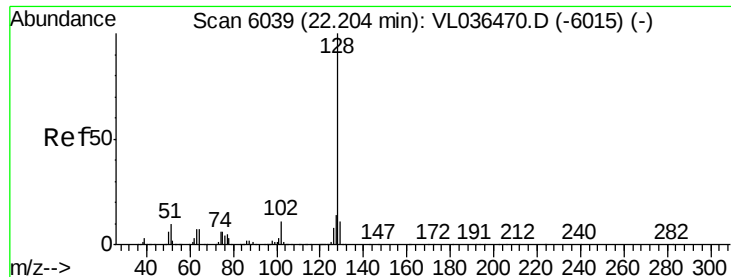


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.423 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

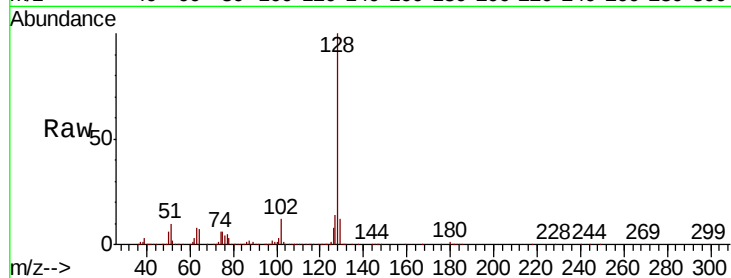
Tot Ion:128 Resp: 3442391

Ion Ratio Lower Upper

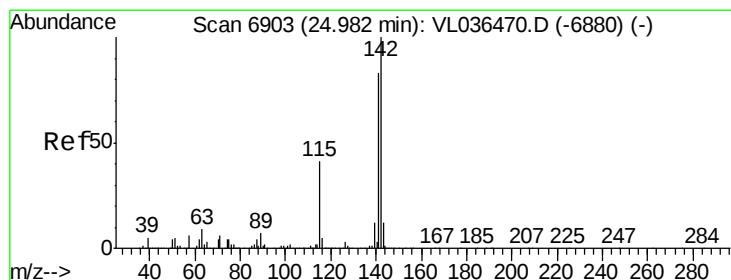
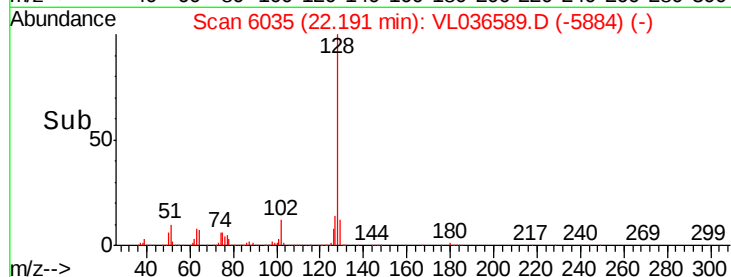
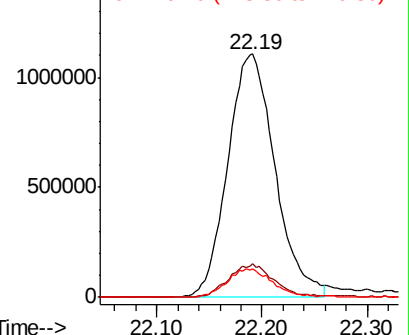
128 100

127 14.1 10.9 16.3

129 11.7 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: 11.578 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. -0.01 min

Lab File: VL036589.D

Acq: 31 Mar 2021 4:08

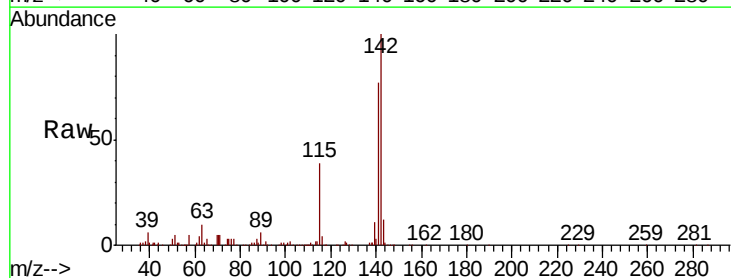
Tgt Ion:142 Resp: 688056

Ion Ratio Lower Upper

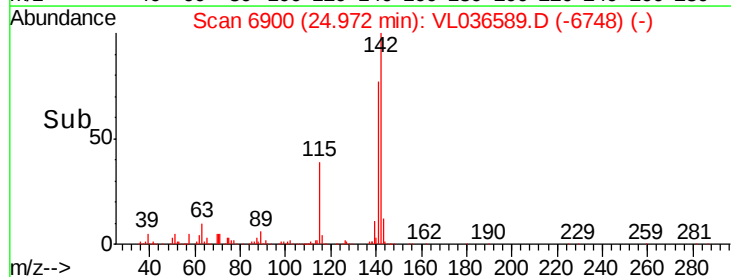
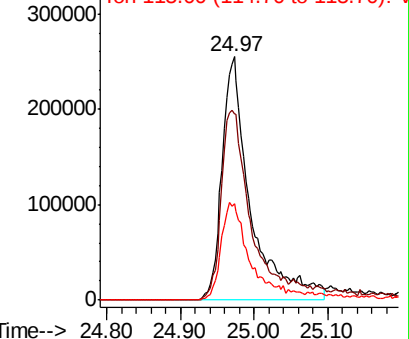
142 100

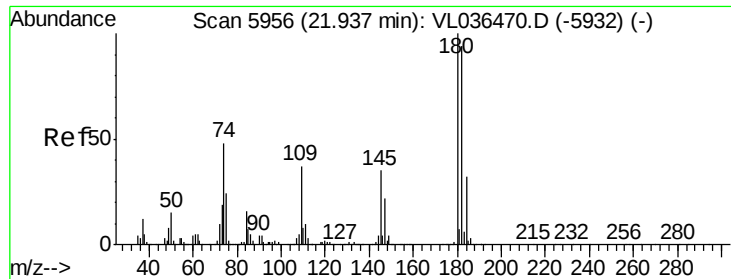
141 84.8 67.8 101.8

115 44.1 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

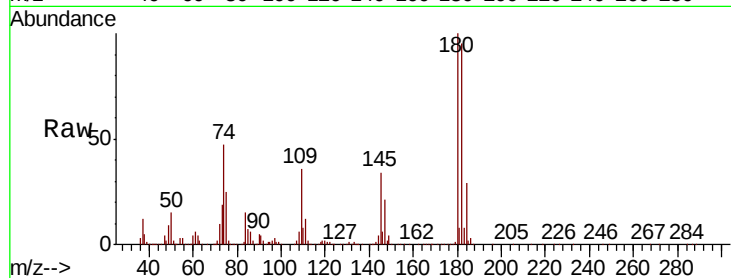




#81
 1,2,4-Trichlorobenzene
 Concen: 10.247 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.02 min
 Lab File: VL036589.D
 Acq: 31 Mar 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1906669
 Ion Ratio Lower Upper
 180 100
 182 100.6 80.8 121.2
 184 31.3 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

