

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037297.D
 Acq On : 31 Jul 2021 00:36
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 31 01:29:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1185782	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	3751711	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4427158	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2720699	8.45	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1127522	6.607	ppbv 98
3) Chlorodifluoromethane	2.98	51	2168747	9.127	ppbv 99
4) Chloromethane	3.13	50	771702	9.313	ppbv 100
5) Vinyl Chloride	3.25	62	853501	9.533	ppbv 99
6) Bromomethane	3.47	94	515188	10.147	ppbv 98
7) Chloroethane	3.55	64	302315	9.581	ppbv 97
8) Dichlorotetrafluoroethane	3.18	85	1745609	8.602	ppbv 99
9) Propene	3.00	41	722855	9.043	ppbv 100
10) Heptane	8.12	43	1876252	9.861	ppbv 99
11) Trichlorofluoromethane	3.94	101	2073727	9.782	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1525736	9.675	ppbv 99
13) Ethanol	3.60	45	59590	3.392	ppbv # 29
14) Bromoethene	3.73	108	665221	9.983	ppbv 98
15) Acetone	3.84	43	1125082	5.268	ppbv 99
16) 1,3-Butadiene	3.32	39	794205	9.913	ppbv 98
17) tert-Butyl alcohol	4.29	59	1305795	9.615	ppbv 99
18) 1,1-Dichloroethene	4.28	96	705111	10.174	ppbv 95
19) Isopropyl Alcohol	3.96	45	793095	9.598	ppbv 100
20) Methylene Chloride	4.34	84	721864	8.734	ppbv 94
21) Allyl Chloride	4.41	41	950456	9.995	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	701523	10.605	ppbv 99
23) Vinyl Acetate	5.07	43	1942043	10.776	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1395208	9.971	ppbv 98
25) Ethyl Acetate	5.67	43	3031725	9.783	ppbv 99
26) Hexane	5.68	57	1552810	9.376	ppbv 98
27) Carbon Disulfide	4.55	76	1551682	11.374	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1492293	9.328	ppbv 100
29) Chloroform	5.75	83	2282881	9.619	ppbv 99
30) Cyclohexane	7.13	84	1286013	9.930	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1402986	9.996	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2314780	9.809	ppbv 99
34) 2-Butanone	5.24	43	1377371	8.556	ppbv 100
35) Carbon Tetrachloride	7.01	117	2462397	10.357	ppbv 100
36) Benzene	6.89	78	3022815	9.517	ppbv 97
37) 1,2-Dichloroethane	6.30	62	1647600	9.957	ppbv 99
38) Trichloroethene	7.83	130	1302094	9.084	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1124083	9.410	ppbv 98
40) 1,4-Dioxane	7.84	88	271393	7.887	ppbv # 1
41) Tetrahydrofuran	6.05	42	686710	10.616	ppbv 98
42) Bromodichloromethane	7.79	83	2431658	10.534	ppbv 98
43) Methyl Methacrylate	8.01	69	1098499	10.404	ppbv 100

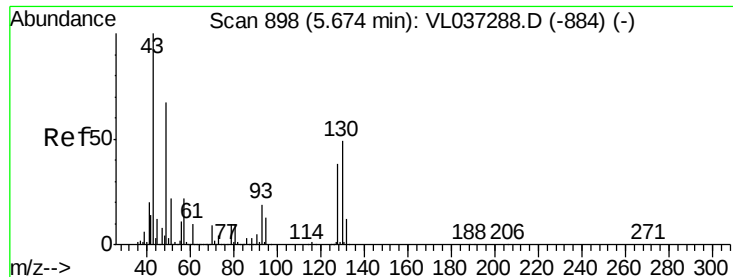
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037297.D
 Acq On : 31 Jul 2021 00:36
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 31 01:29:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4953802	9.540	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1052872	11.900	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1340167	11.231	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1313350	9.801	ppbv	98
48) Dibromochloromethane	10.30	129	2253960	10.987	ppbv	99
49) Bromoform	13.04	173	1865262	11.704	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1987092	9.748	ppbv	100
51) 2-Hexanone	10.14	43	958262	10.181	ppbv #	100
52) Tetrachloroethene	11.22	164	1305783	9.326	ppbv	98
53) Toluene	9.81	91	3700508	9.910	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1950475	10.295	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1560236	8.051	ppbv	96
57) Chlorobenzene	12.15	112	2891387	7.808	ppbv	100
58) Ethyl Benzene	12.71	91	4882538	8.022	ppbv	100
59) m/p-Xylene	13.00	91	4466903	8.525	ppbv #	40
60) o-Xylene	13.69	91	3976794	7.942	ppbv	100
61) Styrene	13.53	104	2214661	8.653	ppbv	98
62) Isopropylbenzene	14.67	105	5545867	7.841	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2692847	7.624	ppbv	99
64) n-propylbenzene	15.56	120	1465189	7.989	ppbv	93
65) tert-Butylbenzene	16.75	119	5092179	7.778	ppbv	100
66) Benzyl Chloride	16.99	91	301306	9.366	ppbv	98
67) sec-Butylbenzene	17.30	105	6850776	7.915	ppbv	100
69) p-Isopropyltoluene	17.66	119	5939420	8.015	ppbv	100
70) n-Butylbenzene	18.55	91	5584795	7.986	ppbv	100
71) 2-Chlorotoluene	15.46	91	3962211	7.860	ppbv	99
72) 4-Ethyltoluene	15.84	105	4688109	7.906	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	4313634	7.876	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4644495	7.692	ppbv	96
75) 1,3-Dichlorobenzene	17.00	146	2932766	8.078	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2892483	7.717	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2807994	8.057	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1875333	7.173	ppbv	99
79) Naphthalene	22.20	128	3538082	7.482	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	813470	5.982	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2129445	7.462	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037297.D

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Instrument :

MSVOA_L

ClientSampleId :

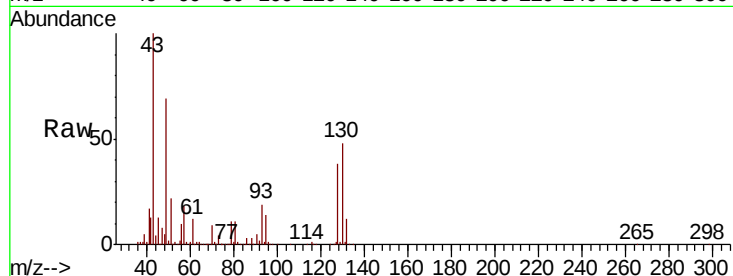
Tot Ion: 49 Resp: 1185782

Ion Ratio Lower Upper

49 100

128 62.2 30.6 92.0

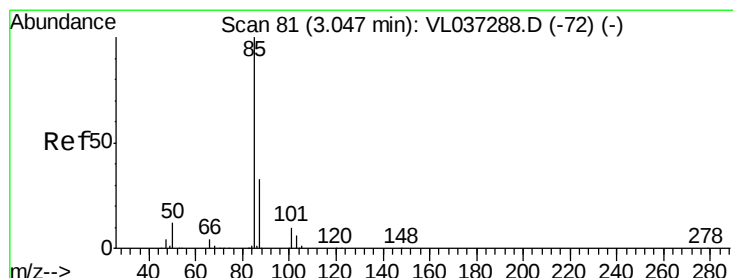
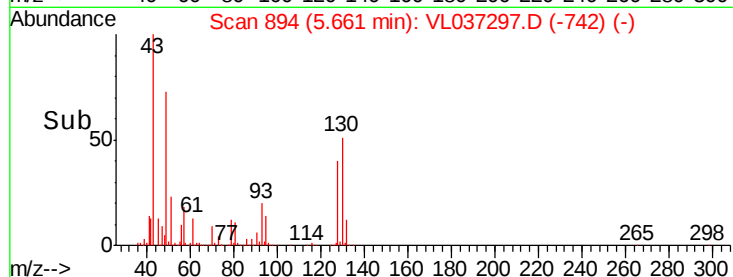
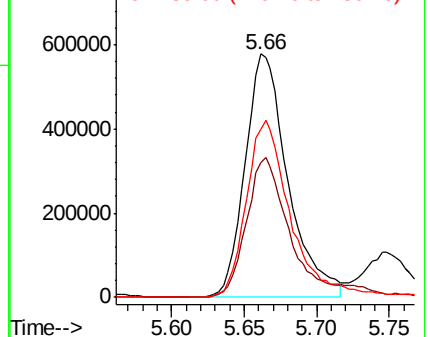
130 77.4 37.8 113.4



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: 6.607 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037297.D

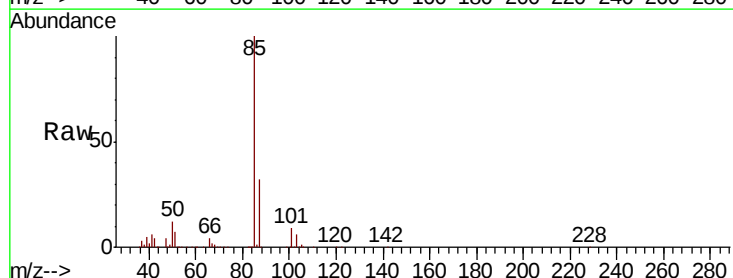
Acq: 31 Jul 2021 00:36

Tgt Ion: 85 Resp: 1127522

Ion Ratio Lower Upper

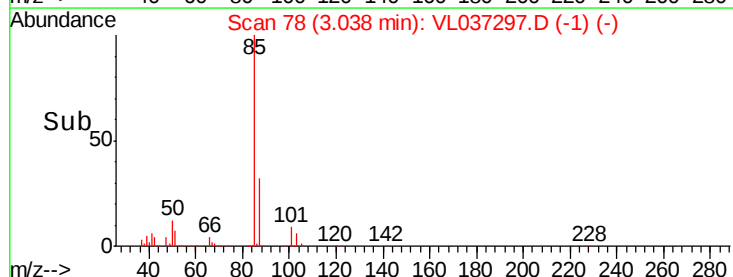
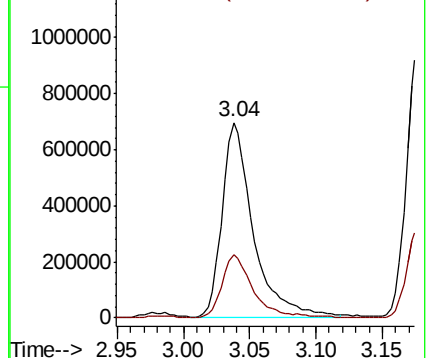
85 100

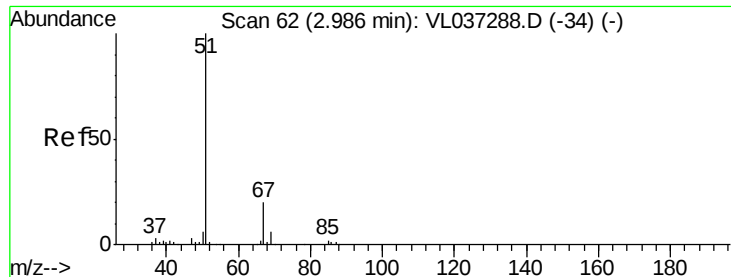
87 32.4 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.127 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

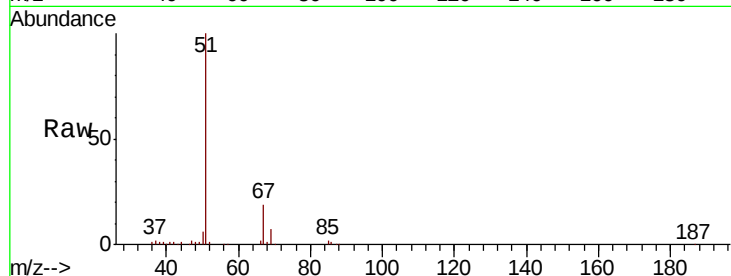
ClientSampleId :

Tot Ion: 51 Resp: 2168747

Ion Ratio Lower Upper

51 100

67 19.5 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

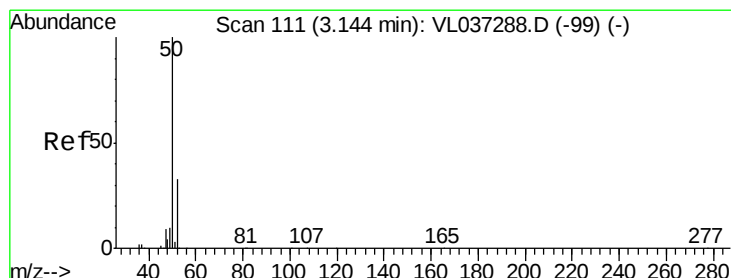
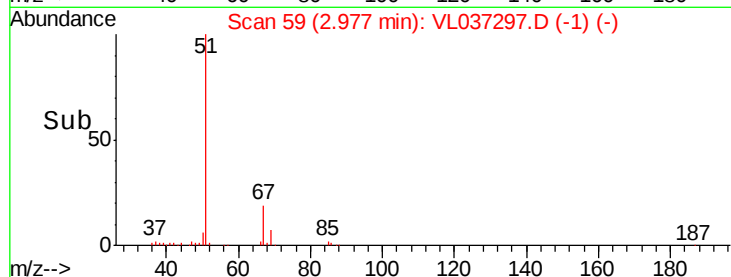
2.98

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 9.313 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037297.D

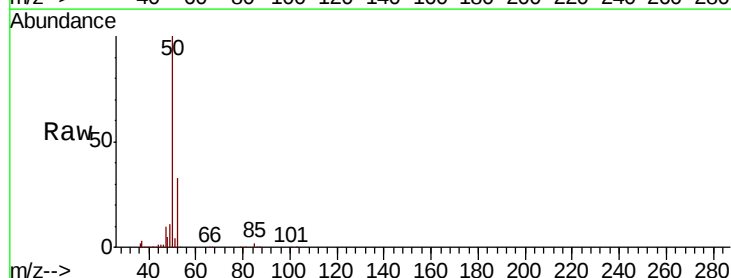
Acq: 31 Jul 2021 00:36

Tgt Ion: 50 Resp: 771702

Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

500000

400000

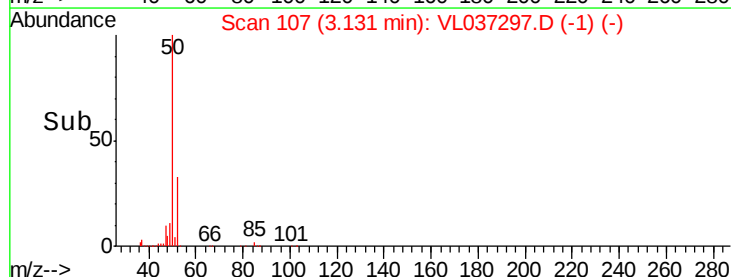
300000

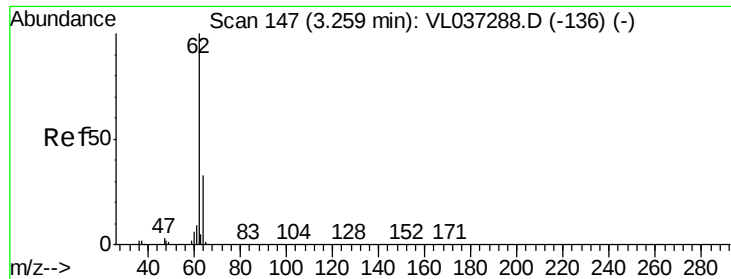
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.533 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

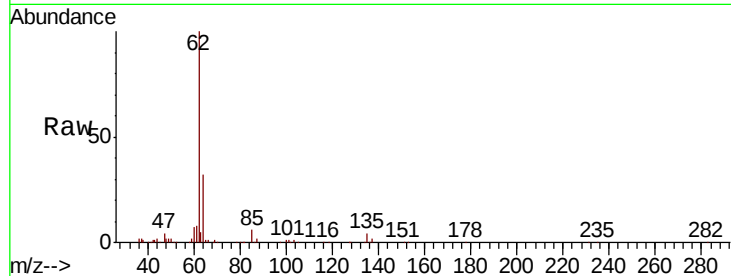
ClientSampled :

Tot Ion: 62 Resp: 853501

Ion Ratio Lower Upper

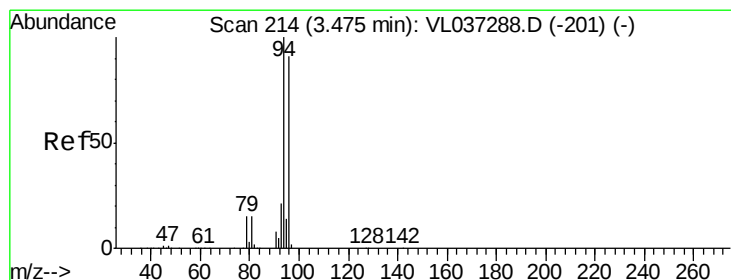
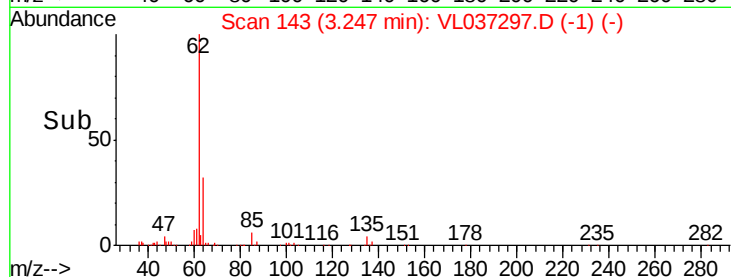
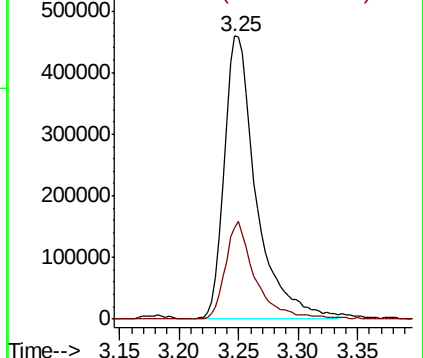
62 100

64 32.2 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.147 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037297.D

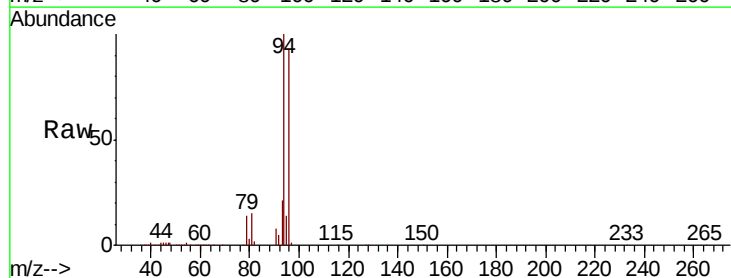
Acq: 31 Jul 2021 00:36

Tgt Ion: 94 Resp: 515188

Ion Ratio Lower Upper

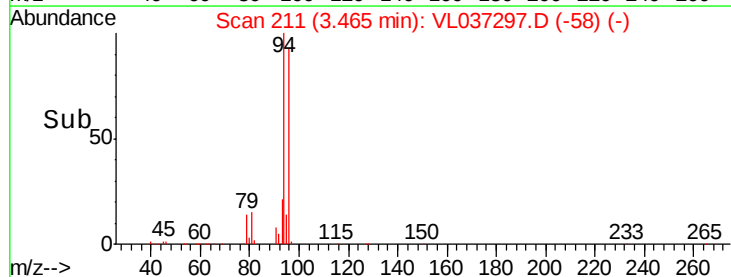
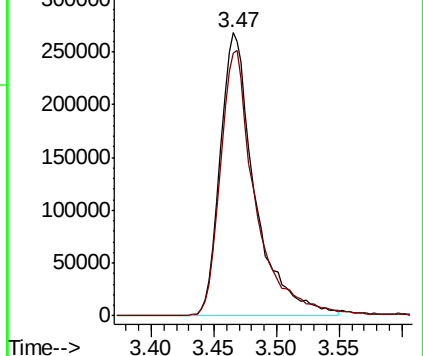
94 100

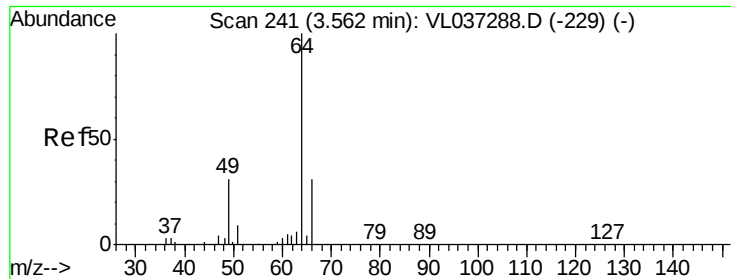
96 93.1 72.7 109.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.581 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

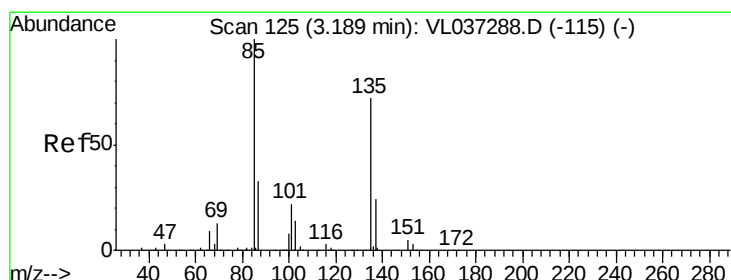
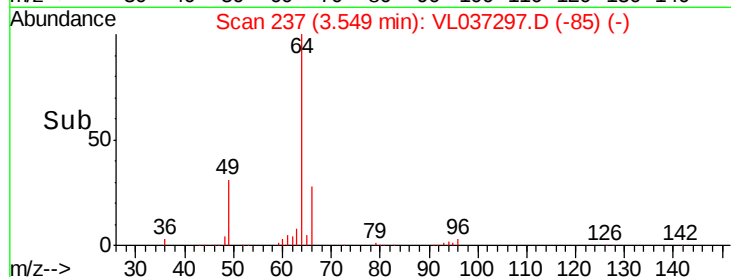
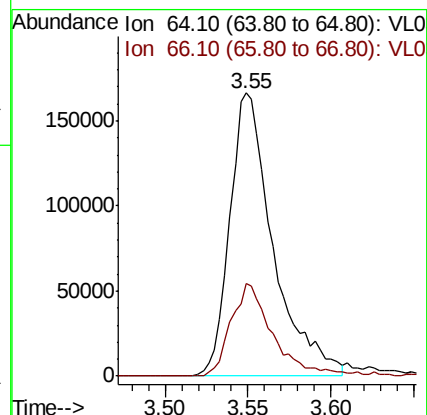
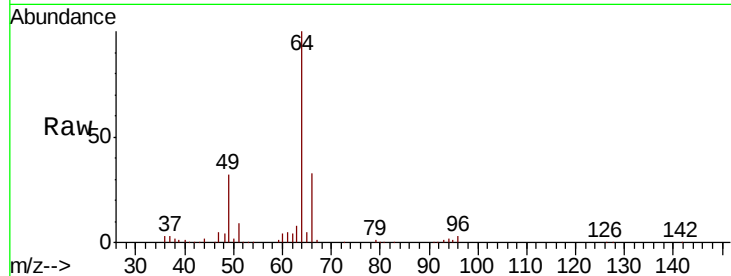
ClientSampleId :

Tot Ion: 64 Resp: 302315

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 8.602 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037297.D

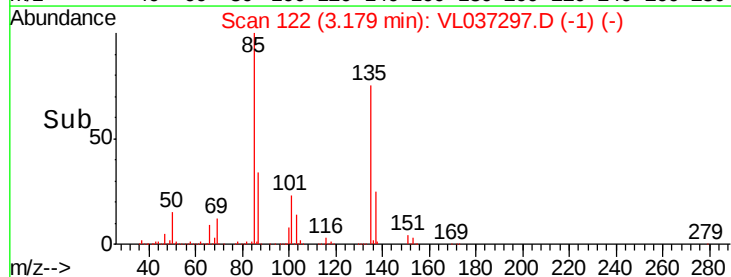
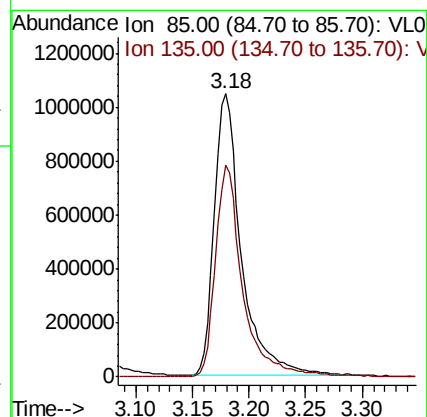
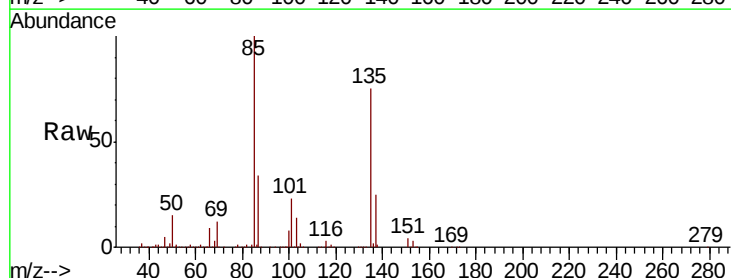
Acq: 31 Jul 2021 00:36

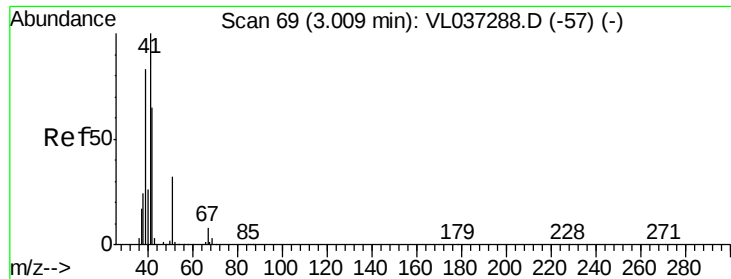
Tgt Ion: 85 Resp: 1745609

Ion Ratio Lower Upper

85 100

135 75.7 61.0 91.4





#9

Propene

Concen: 9.043 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

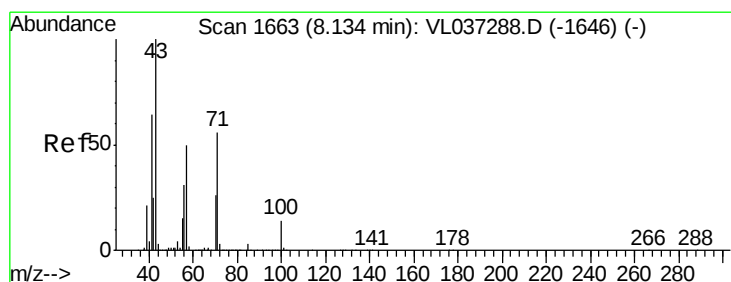
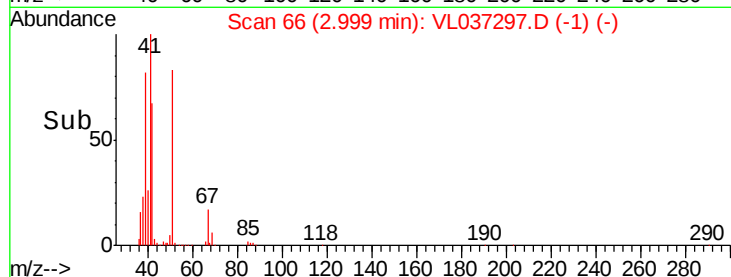
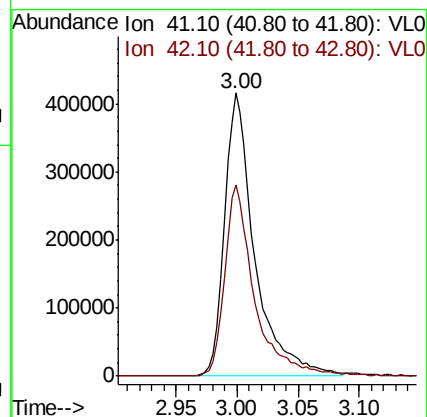
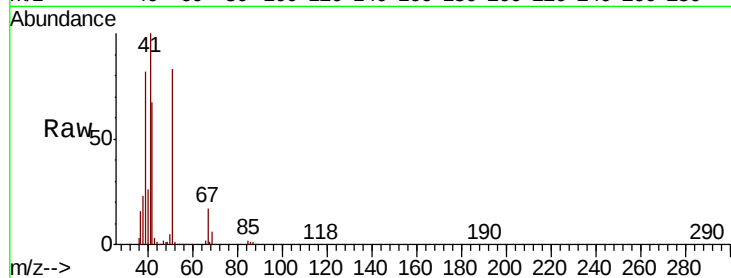
ClientSampleId :

Tot Ion: 41 Resp: 722855

Ion Ratio Lower Upper

41 100

42 67.2 54.0 81.0



#10

Heptane

Concen: 9.861 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037297.D

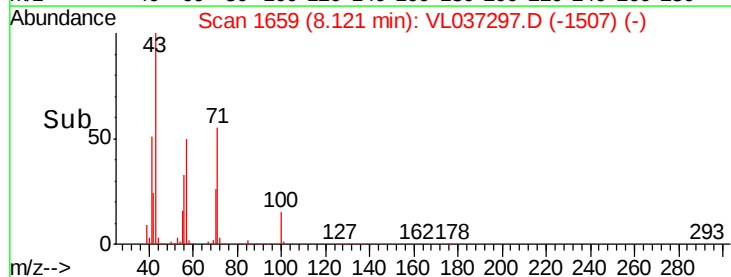
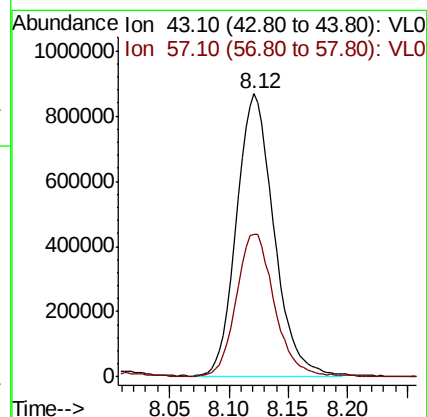
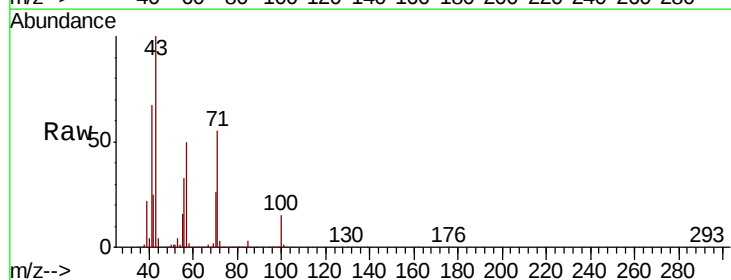
Acq: 31 Jul 2021 00:36

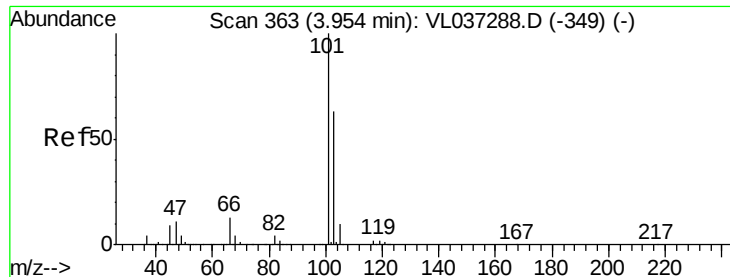
Tgt Ion: 43 Resp: 1876252

Ion Ratio Lower Upper

43 100

57 52.1 40.9 61.3

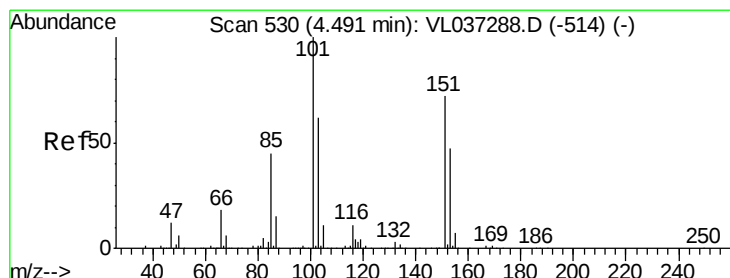
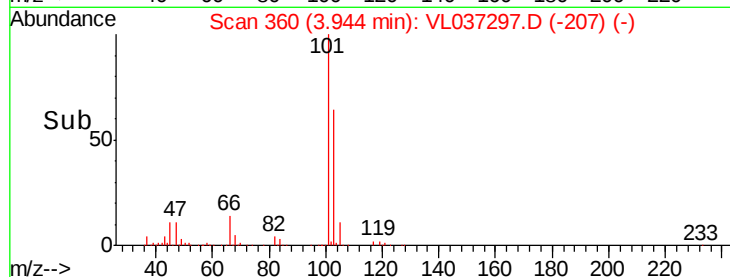
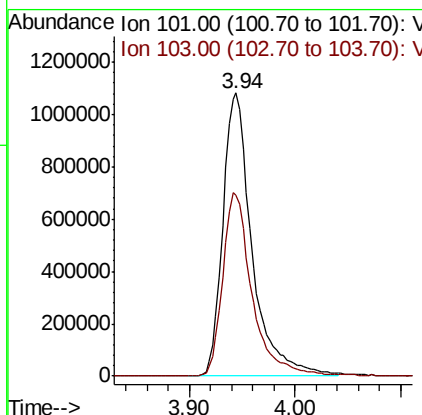
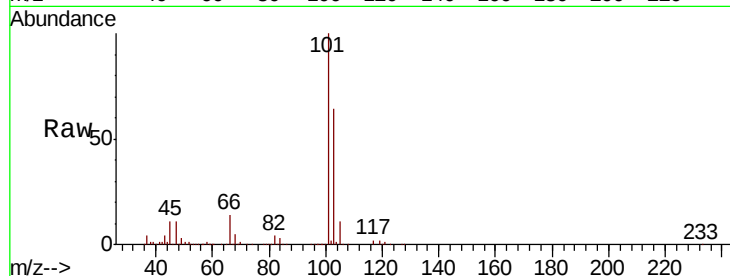




#11
 Trichlorofluoromethane
 Concen: 9.782 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

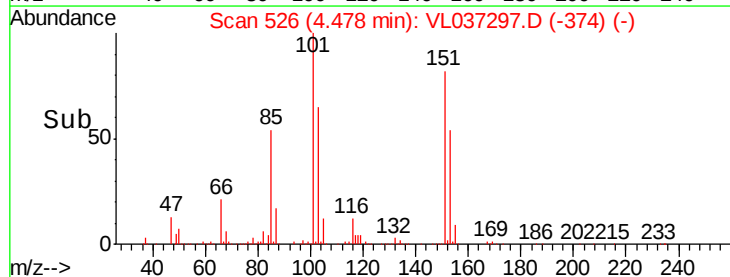
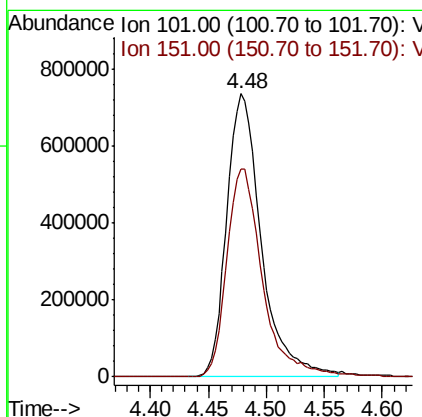
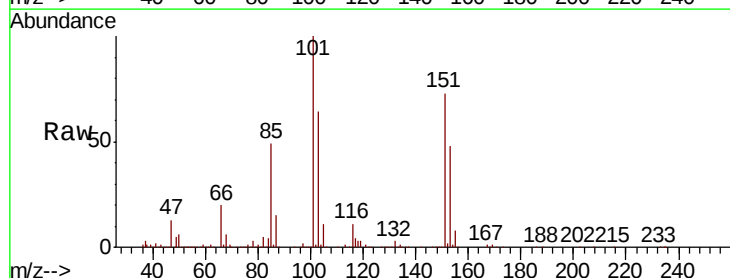
Instrument :
 MSVOA_L
 ClientSampleId :

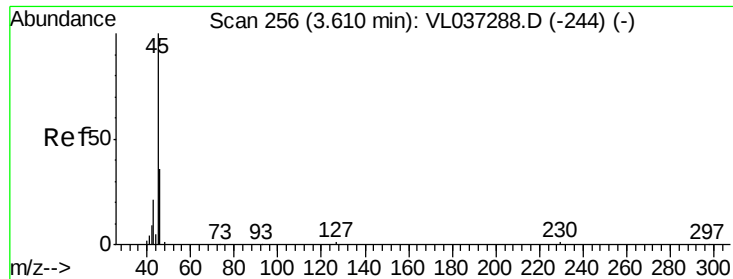
Tot Ion:101 Resp: 2073727
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.675 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion:101 Resp: 1525736
 Ion Ratio Lower Upper
 101 100
 151 76.1 61.4 92.0

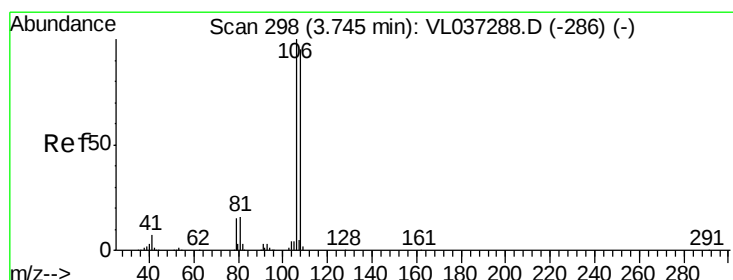
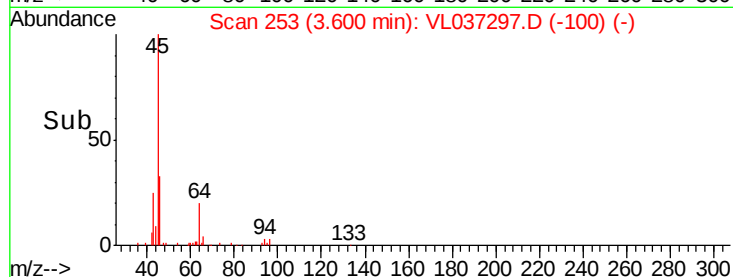
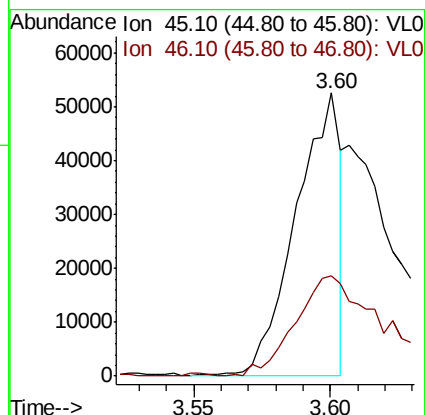
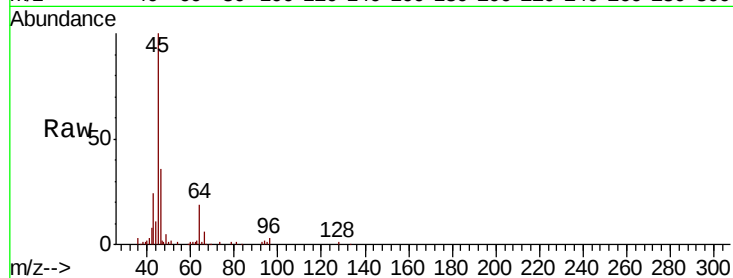




#13
Ethanol
Concen: 3.392 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

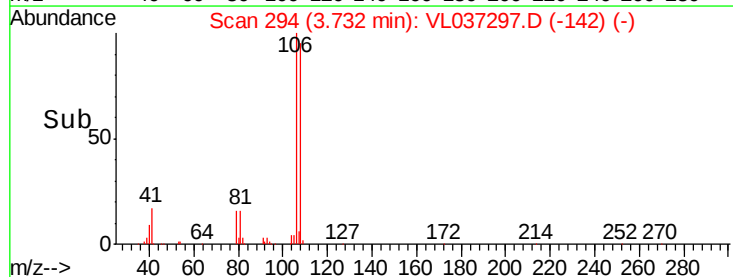
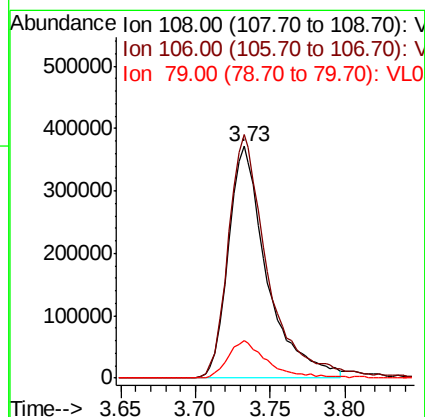
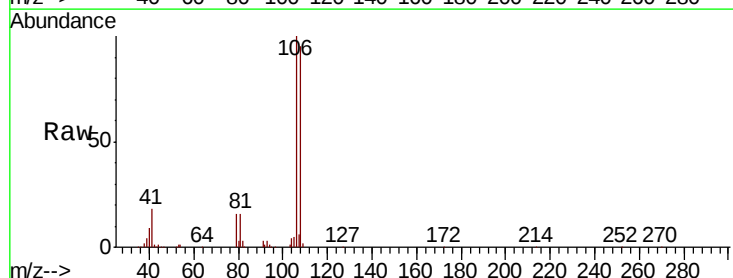
Instrument :
MSVOA_L
ClientSampled :

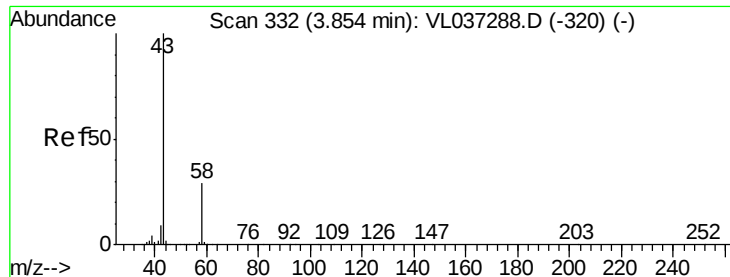
Tot Ion: 45 Resp: 59590
Ion Ratio Lower Upper
45 100
46 84.5 16.2 64.8#



#14
Bromoethene
Concen: 9.983 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 108 Resp: 665221
Ion Ratio Lower Upper
108 100
106 109.6 86.2 129.2
79 17.3 13.3 19.9





#15

Acetone

Concen: 5.268 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

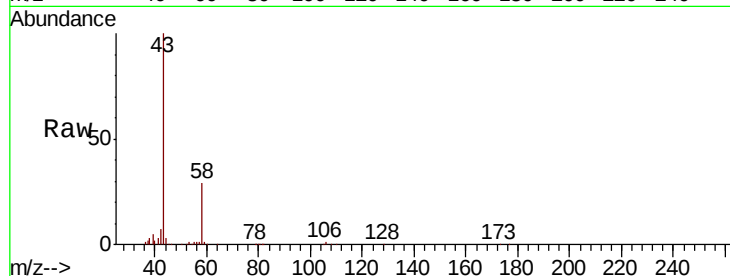
ClientSampleId :

Tot Ion: 43 Resp: 1125082

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

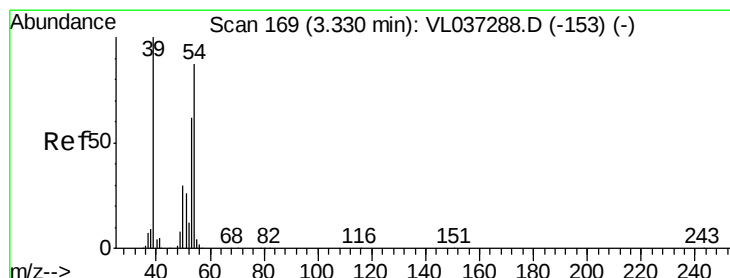
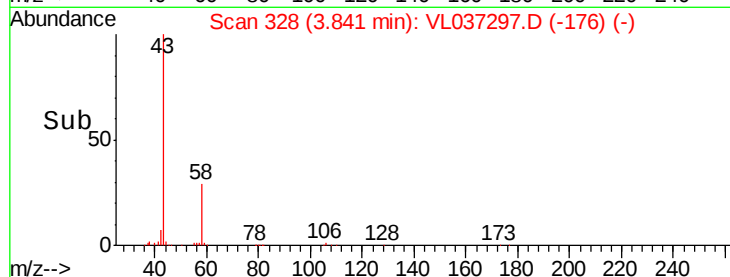
600000

400000

200000

0

Time--> 3.75 3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 9.913 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL037297.D

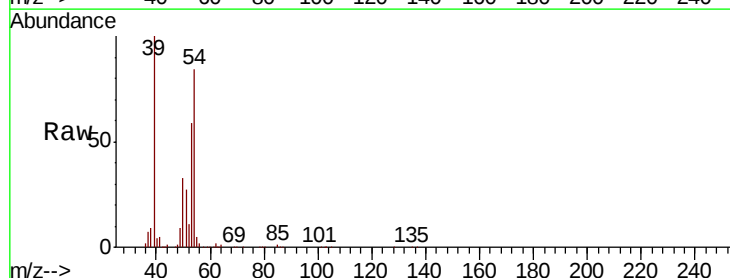
Acq: 31 Jul 2021 00:36

Tgt Ion: 39 Resp: 794205

Ion Ratio Lower Upper

39 100

54 78.2 63.9 95.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

400000

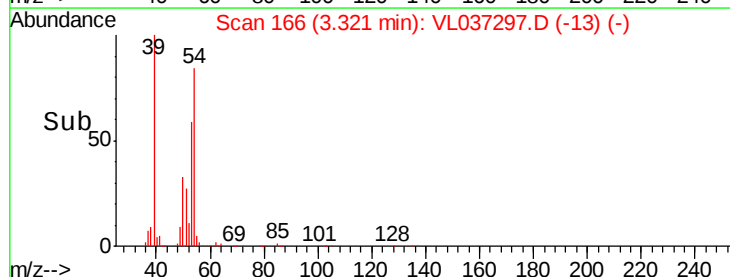
300000

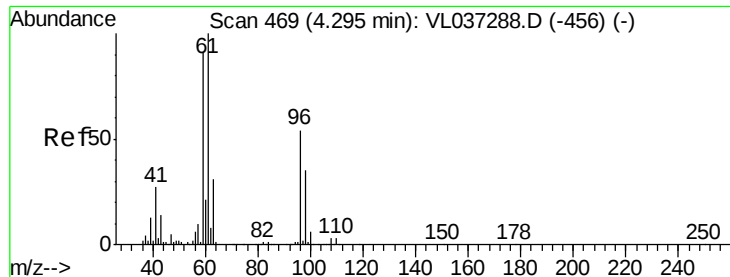
200000

100000

0

Time--> 3.20 3.30 3.40



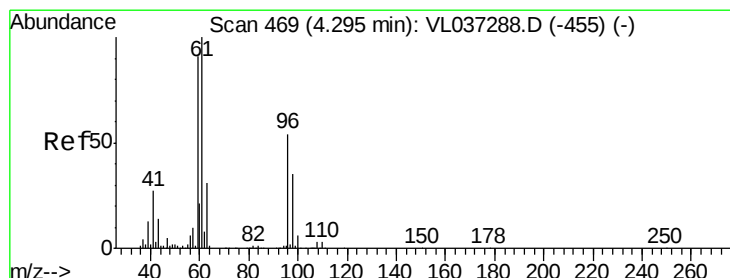
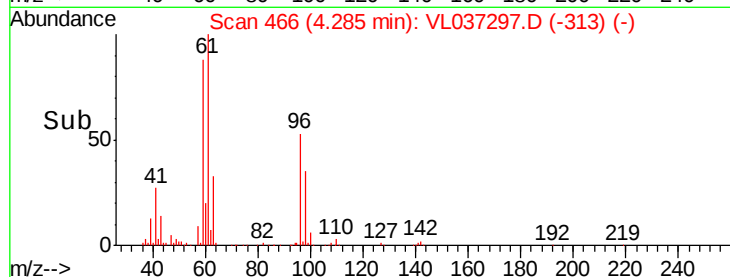
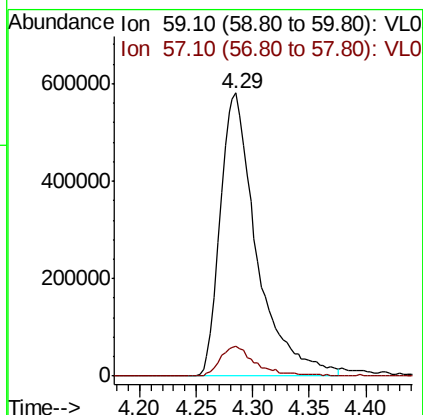
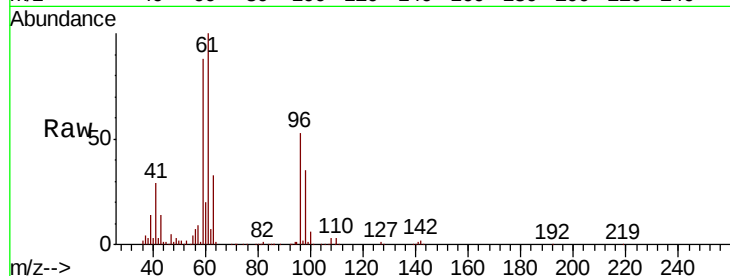


#17

tert-Butyl alcohol
 Concen: 9.615 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

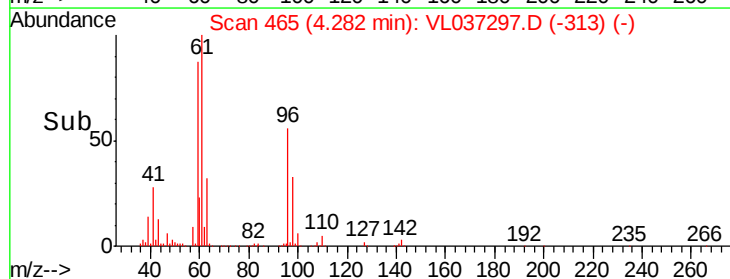
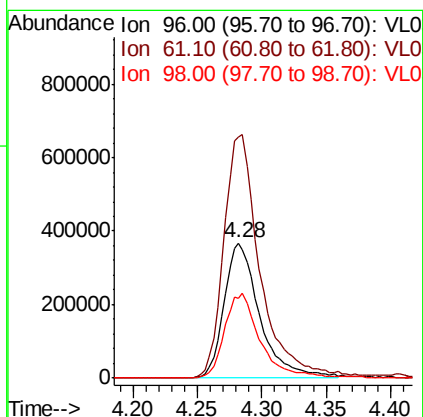
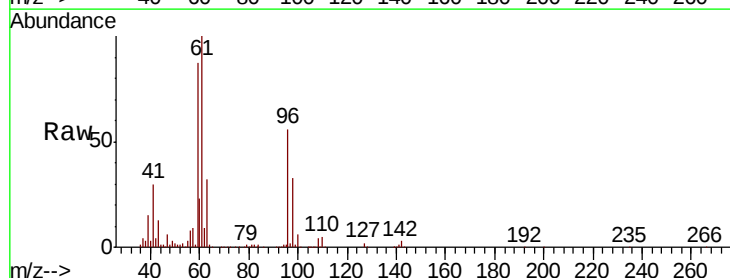
Tot Ion: 59 Resp: 1305795
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0

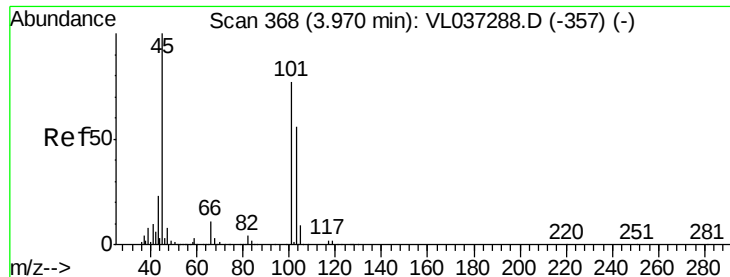


#18

1,1-Dichloroethene
 Concen: 10.174 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 96 Resp: 705111
 Ion Ratio Lower Upper
 96 100
 61 178.0 148.3 222.5
 98 59.5 51.4 77.0





#19

Isopropyl Alcohol

Concen: 9.598 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

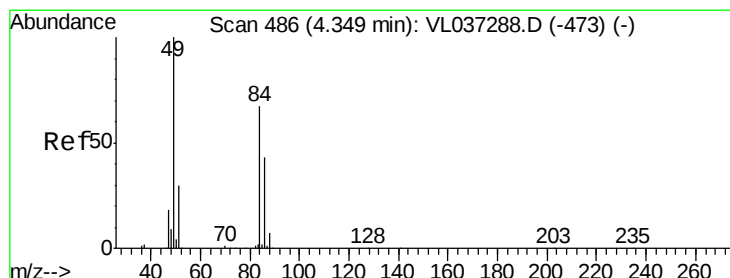
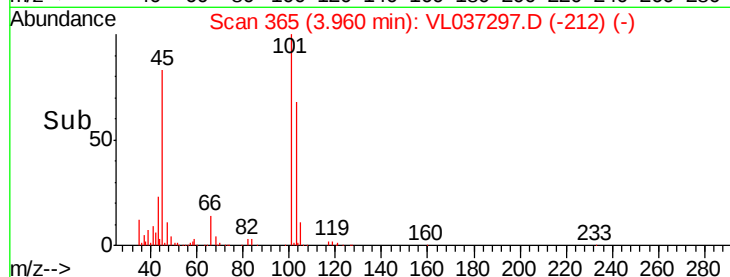
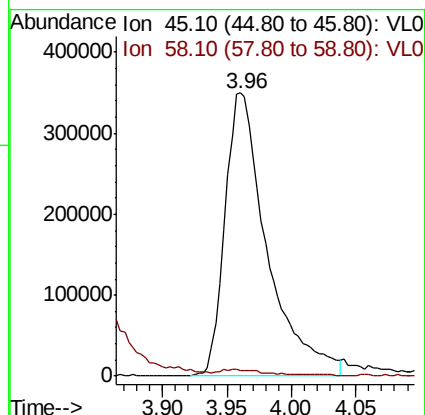
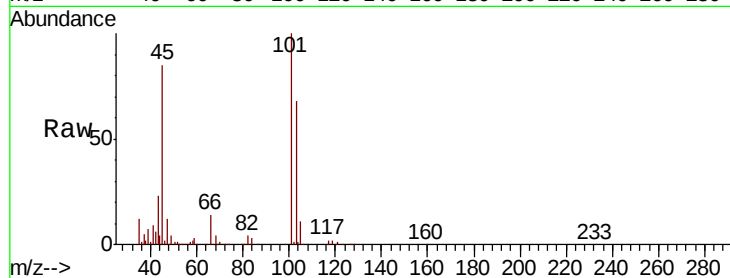
ClientSampleId :

Tot Ion: 45 Resp: 793095

Ion Ratio Lower Upper

45 100

58 2.7 2.2 3.2



#20

Methylene Chloride

Concen: 8.734 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion: 84 Resp: 721864

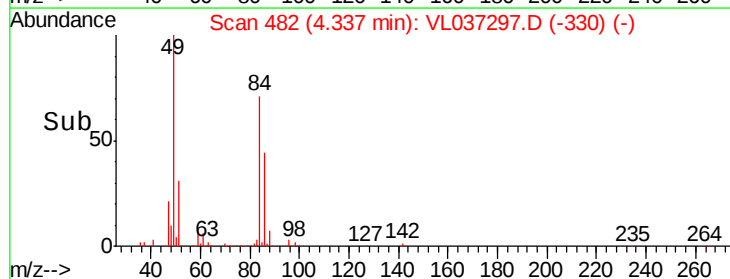
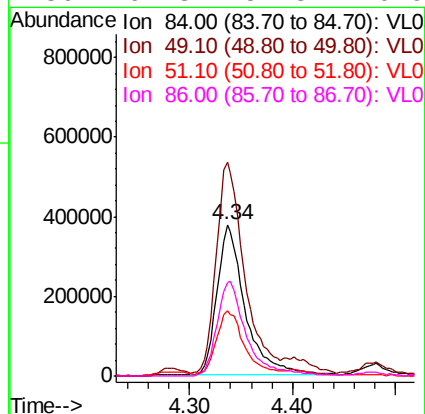
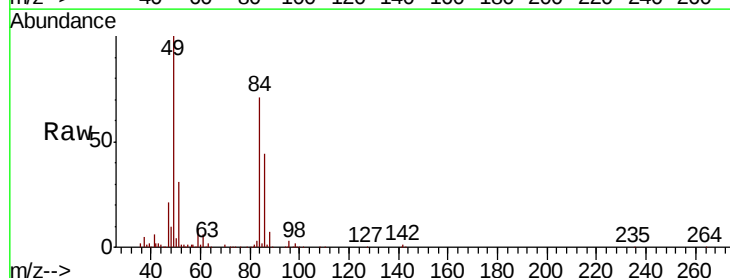
Ion Ratio Lower Upper

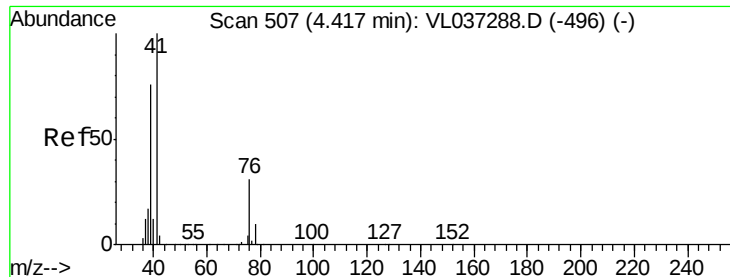
84 100

49 140.5 120.2 180.4

51 42.8 36.5 54.7

86 62.3 51.3 76.9

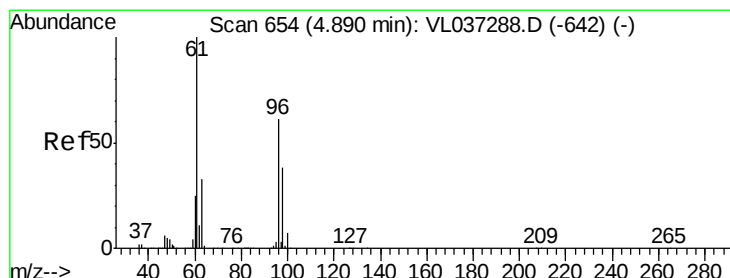
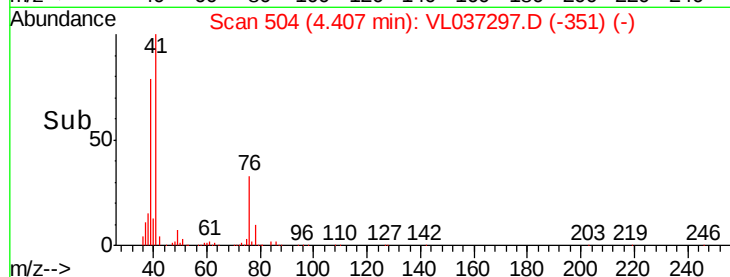
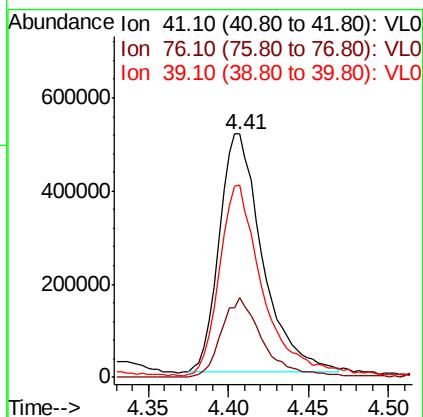
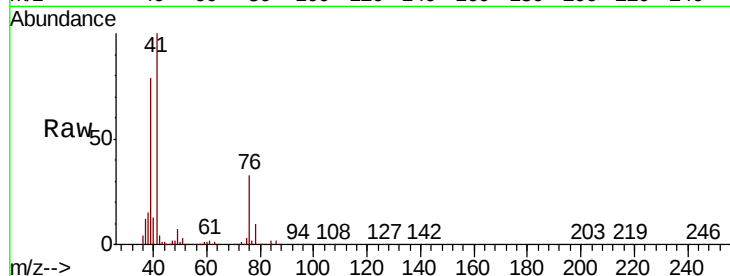




#21
Allvl Chloride
Concen: 9.995 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

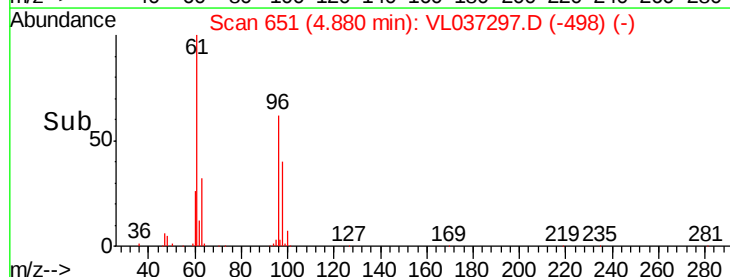
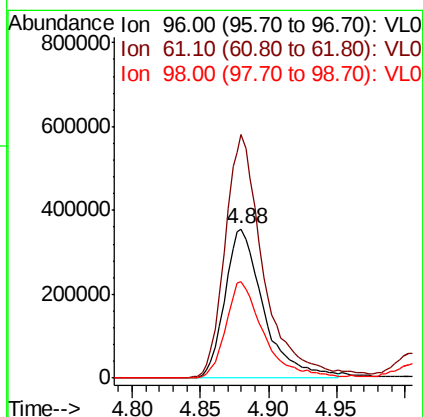
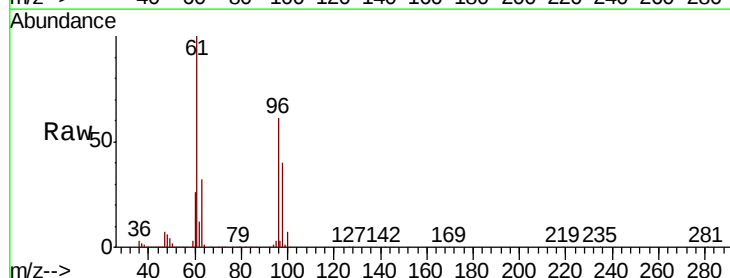
Instrument :
MSVOA_L
ClientSampleId :

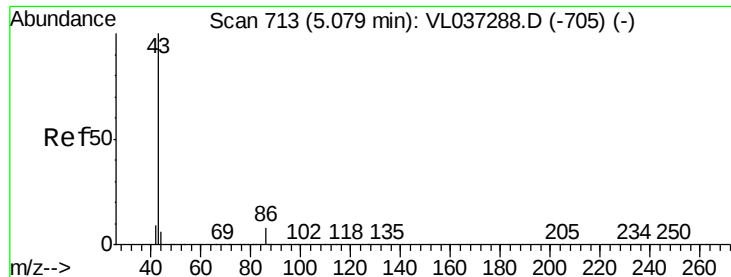
Tot Ion: 41 Resp: 950456
Ion Ratio Lower Upper
41 100
76 32.3 24.7 37.1
39 81.8 64.5 96.7



#22
trans-1,2-Dichloroethene
Concen: 10.605 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 96 Resp: 701523
Ion Ratio Lower Upper
96 100
61 162.8 131.1 196.7
98 64.5 49.9 74.9





#23

Vinyl Acetate

Concen: 10.776 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1942043

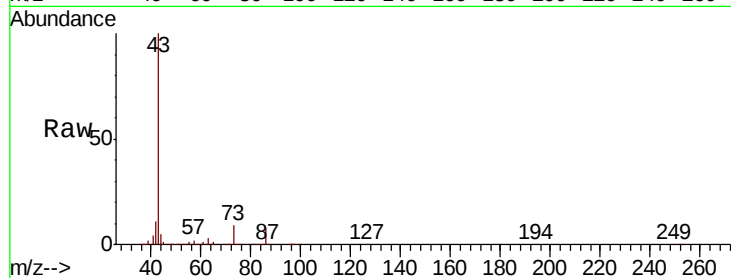
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.7	8.5
42	10.7	8.1	12.1
44	4.8	4.1	6.1

43 100

86 7.9 5.7 8.5

42 10.7 8.1 12.1

44 4.8 4.1 6.1



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

1500000

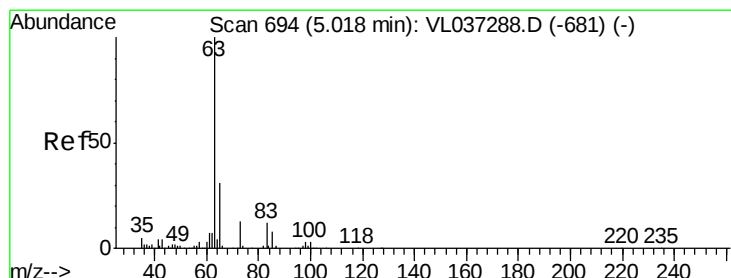
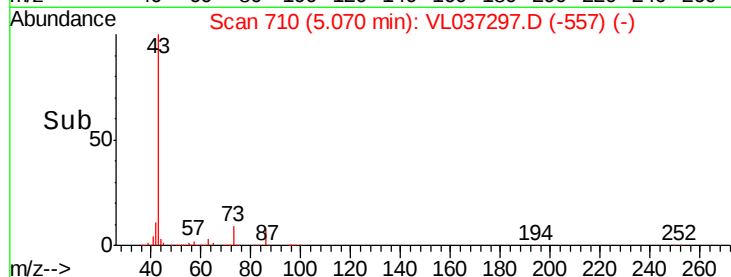
1000000

500000

0

5.07

Time-->



#24

1,1-Dichloroethane

Concen: 9.971 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

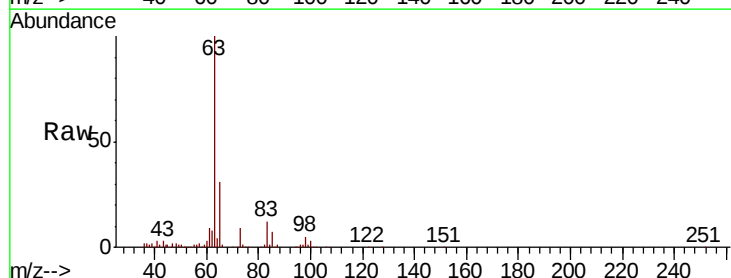
Tgt Ion: 63 Resp: 1395208

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.0	5.8
100	2.6	1.4	4.2

63 100

98 4.7 2.0 5.8

100 2.6 1.4 4.2



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

800000

600000

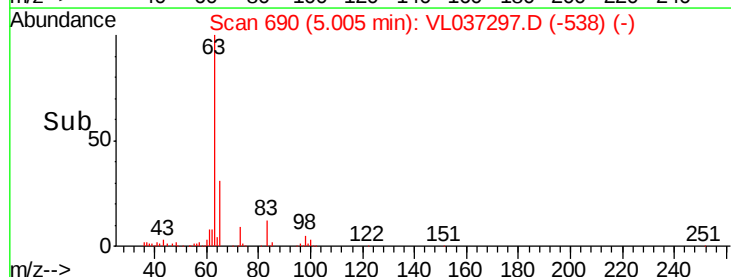
400000

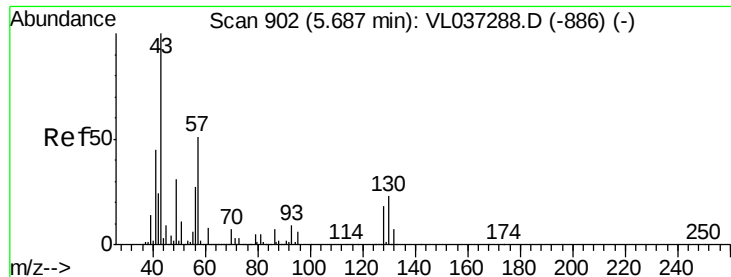
200000

0

5.01

Time-->





#25

Ethyl Acetate

Concen: 9.783 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

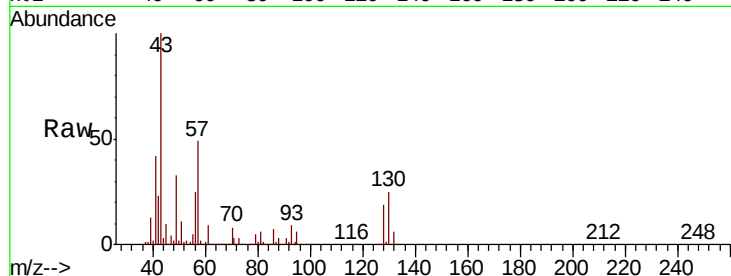
Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3031725

Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.4	11.2
61	9.3	7.8	11.6
70	7.0	5.4	8.2



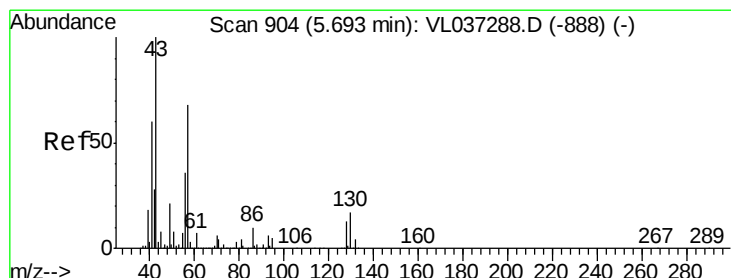
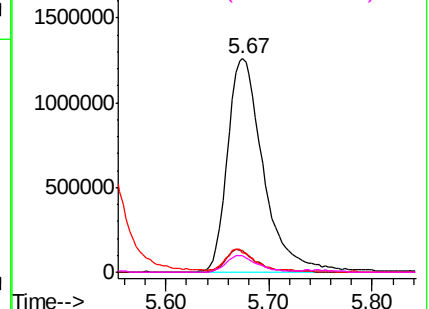
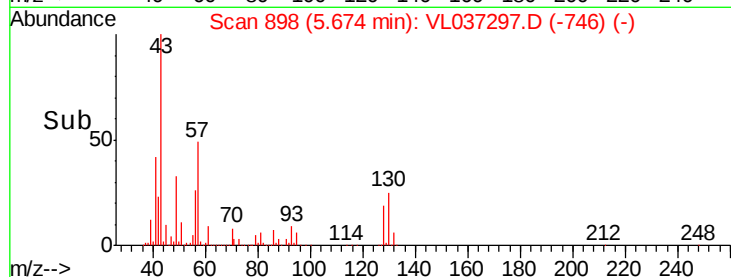
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.376 ppbv

RT: 5.68 min Scan# 901

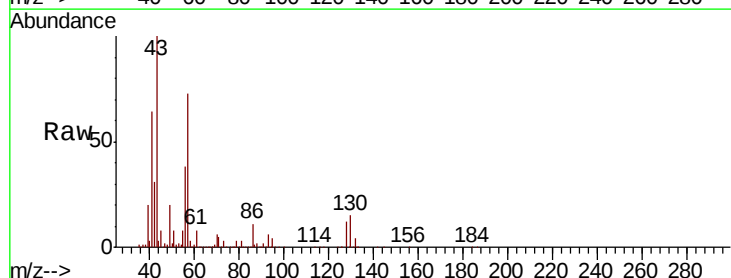
Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion: 57 Resp: 1552810

Ion	Ratio	Lower	Upper
57	100		
41	89.5	71.0	106.6
43	198.3	155.0	232.4
56	53.5	42.0	63.0



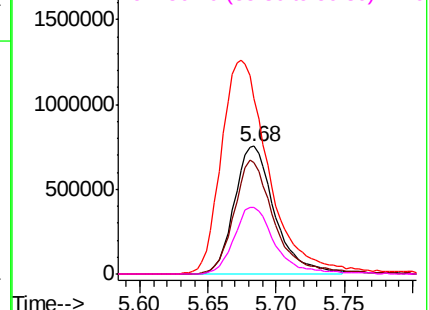
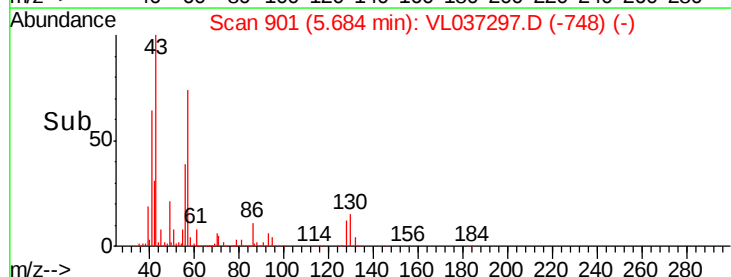
Abundance

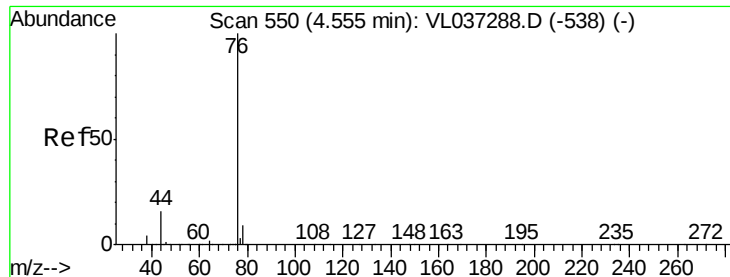
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.374 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

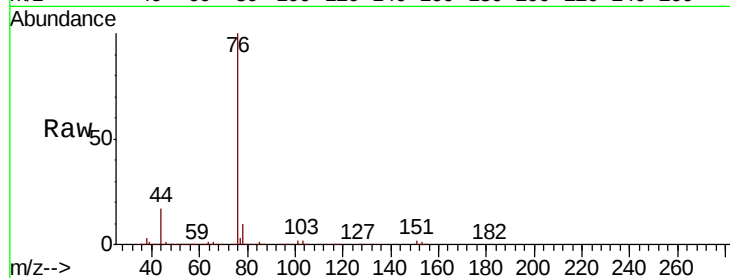
Tot Ion: 76 Resp: 1551682

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.1	21.1
78	10.1	8.0	12.0

76 100

44 18.0 14.1 21.1

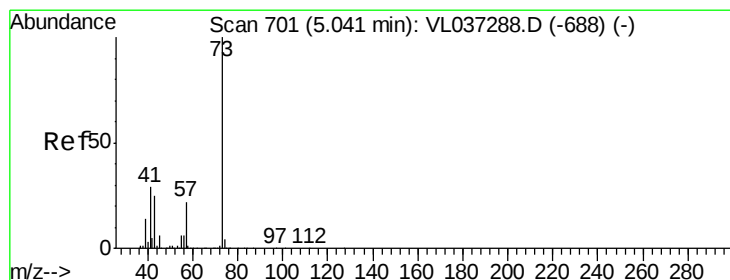
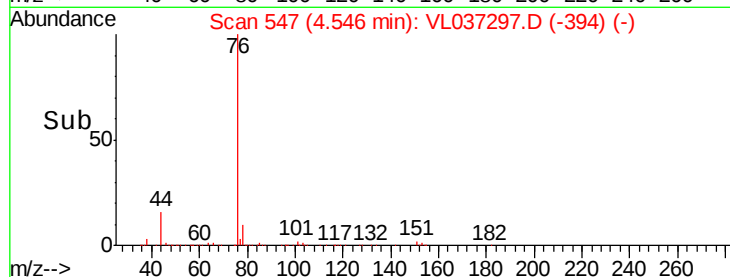
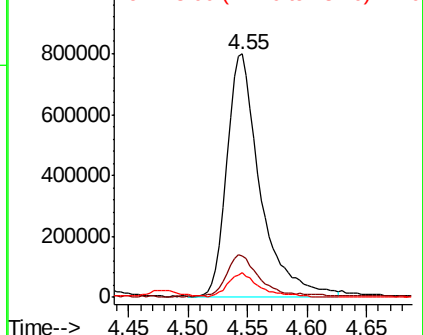
78 10.1 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.328 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.01 min

Lab File: VL037297.D

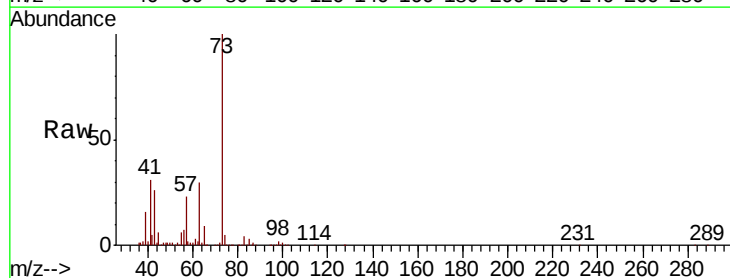
Acq: 31 Jul 2021 00:36

Tgt Ion: 73 Resp: 1492293

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.6

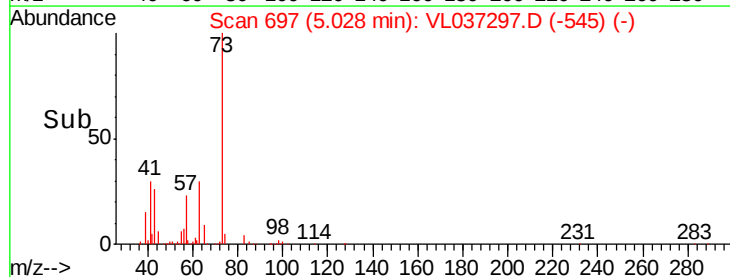
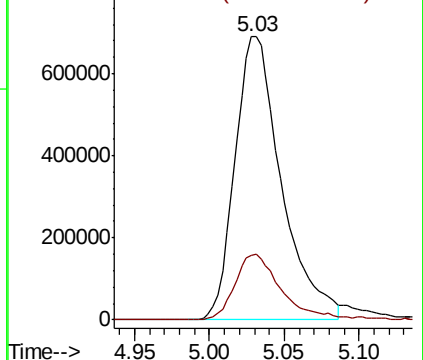
73 100

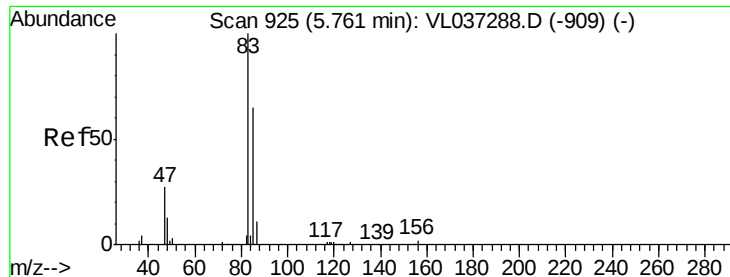
57 23.6 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

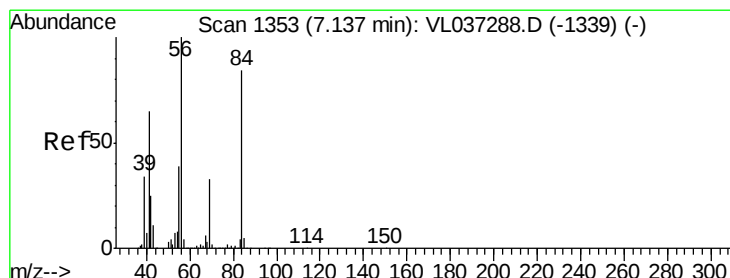
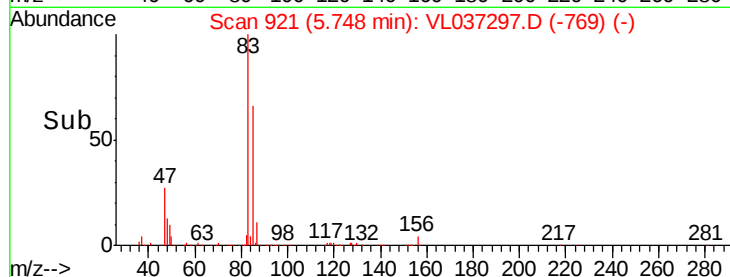
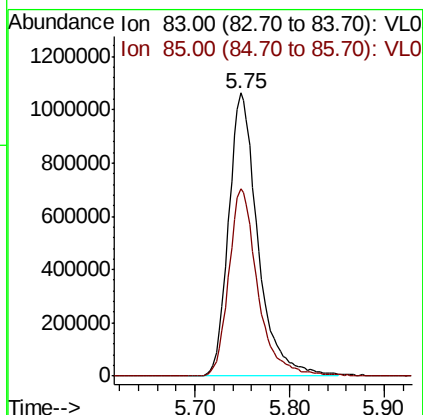
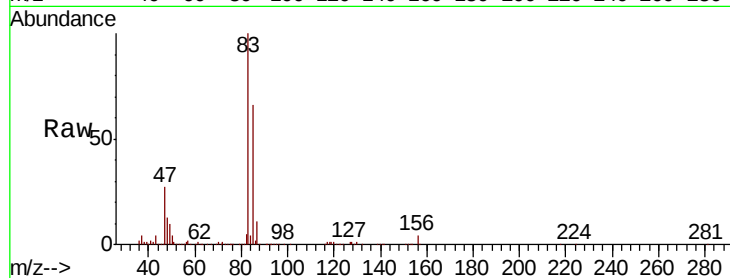




#29
Chloroform
Concen: 9.619 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

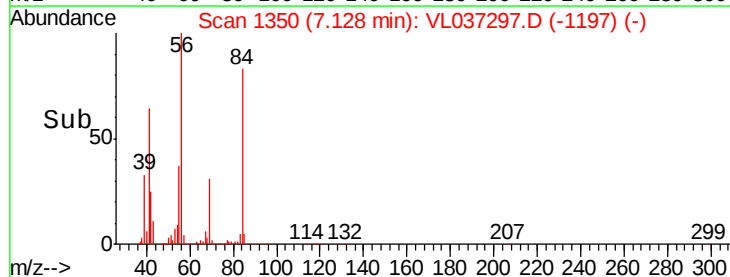
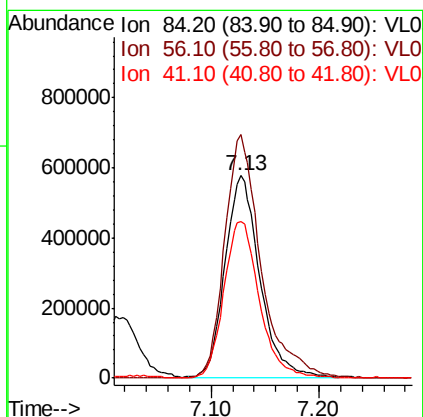
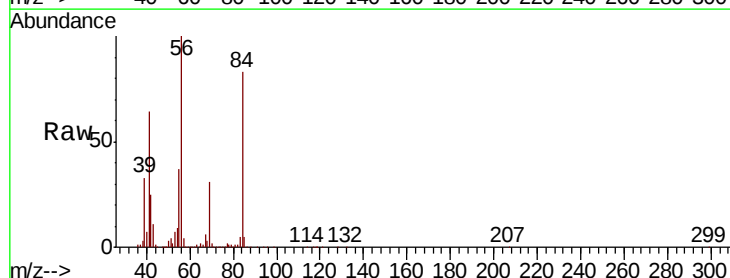
Instrument :
MSVOA_L
ClientSampleId :

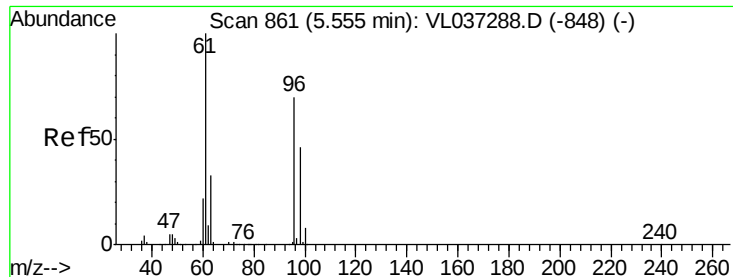
Tot Ion: 83 Resp: 2282881
Ion Ratio Lower Upper
83 100
85 66.0 51.9 77.9



#30
Cyclohexane
Concen: 9.930 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 84 Resp: 1286013
Ion Ratio Lower Upper
84 100
56 127.6 104.1 156.1
41 79.5 64.7 97.1



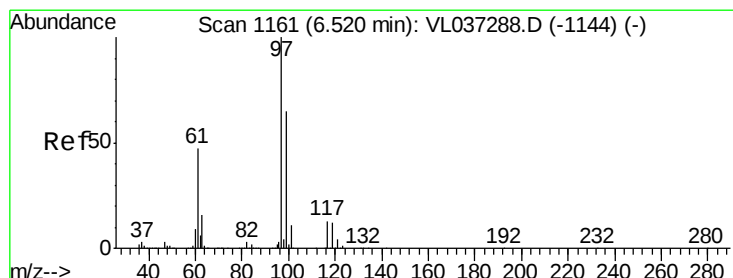
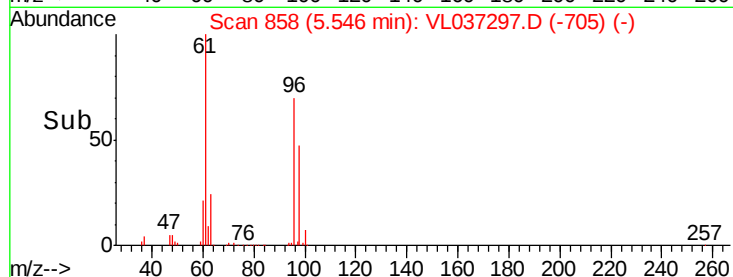
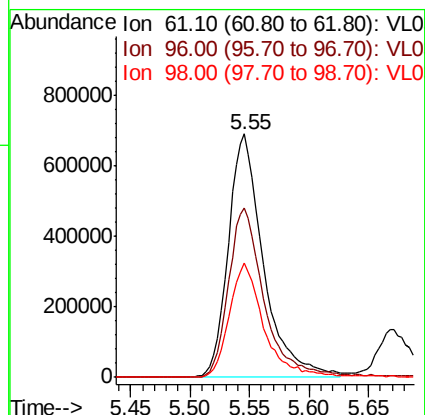
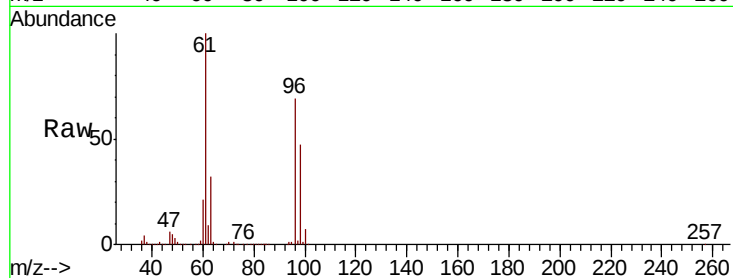


#31

cis-1,2-Dichloroethene
 Concen: 9.996 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

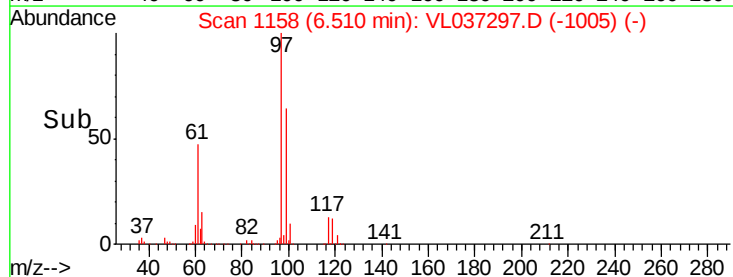
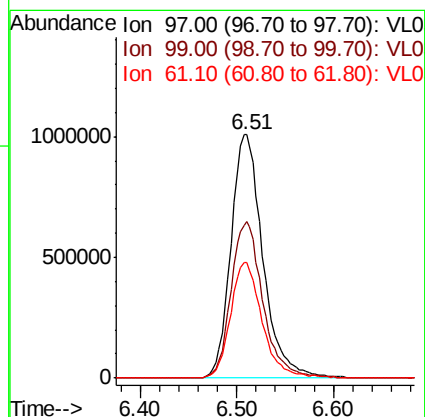
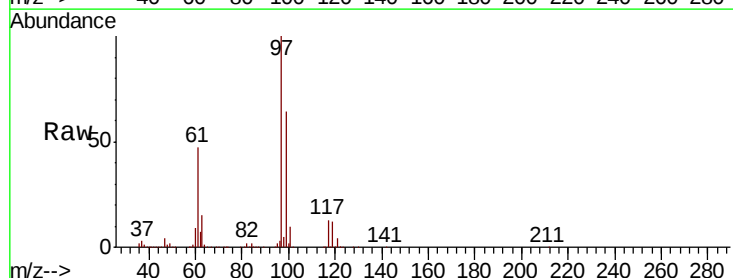
Tot Ion: 61 Resp: 1402986
 Ion Ratio Lower Upper
 61 100
 96 69.5 55.9 83.9
 98 47.1 37.1 55.7

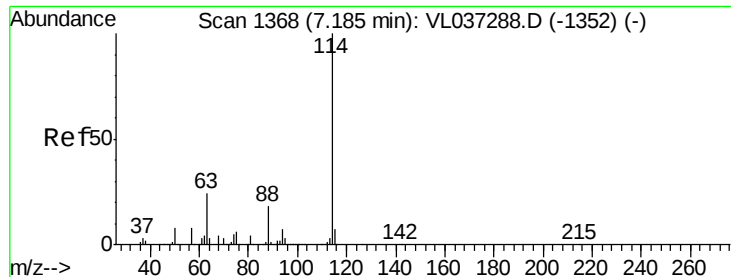


#32

1,1,1-Trichloroethane
 Concen: 9.809 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 97 Resp: 2314780
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.5 78.7
 61 47.3 38.2 57.4

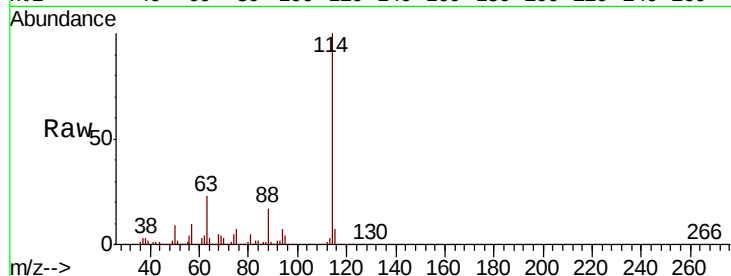




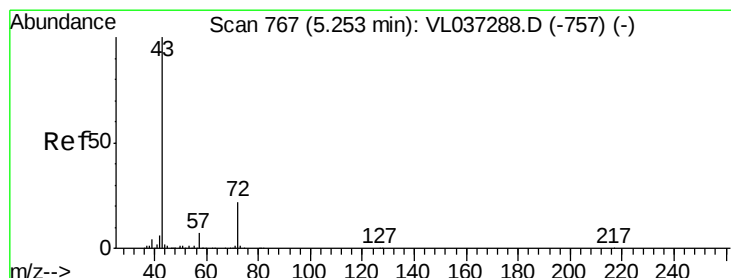
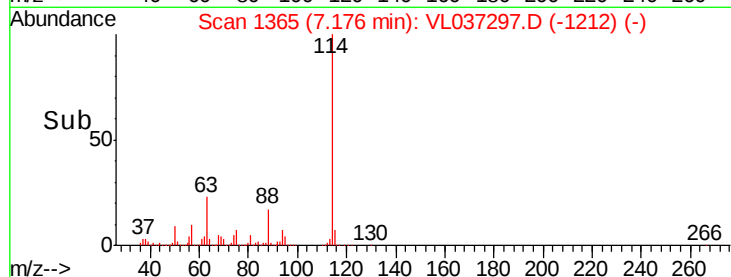
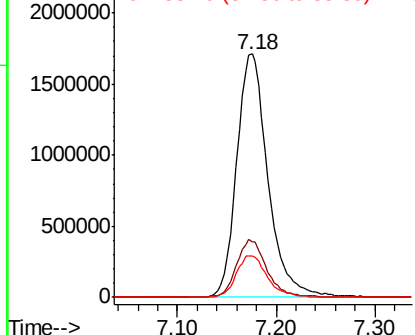
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3751711
 Ion Ratio Lower Upper
 114 100
 63 23.5 19.0 28.4
 88 17.2 14.0 21.0

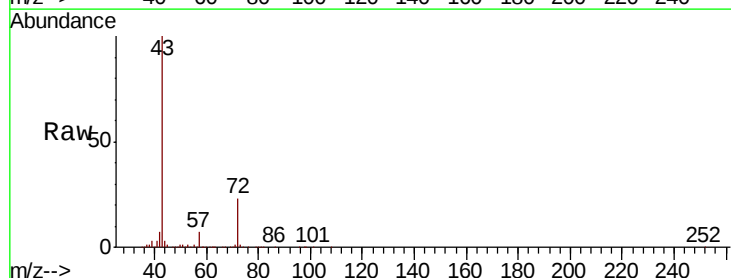


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

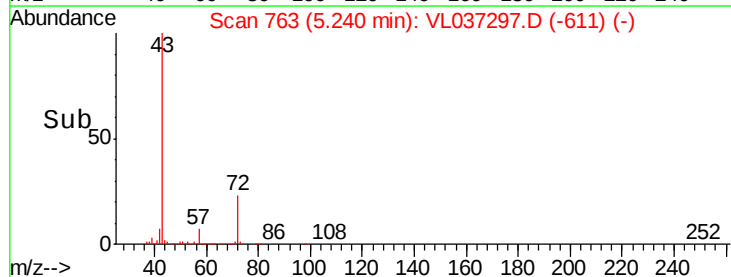
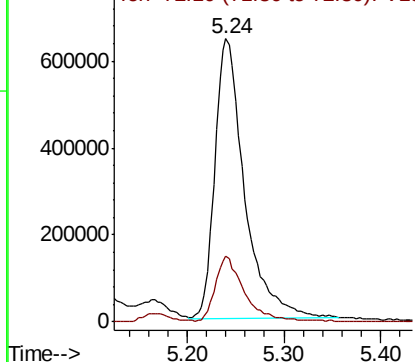


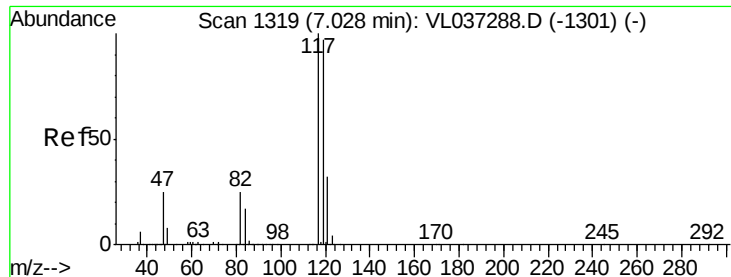
#34
 2-Butanone
 Concen: 8.556 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 43 Resp: 1377371
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.5 27.7



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





#35

Carbon Tetrachloride

Concen: 10.357 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampled :

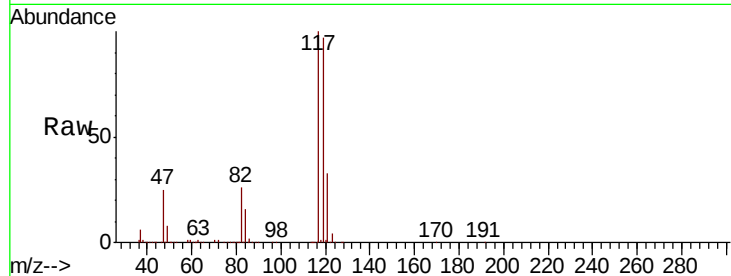
Tot Ion:117 Resp: 2462397

Ion Ratio Lower Upper

117 100

119 96.6 77.4 116.2

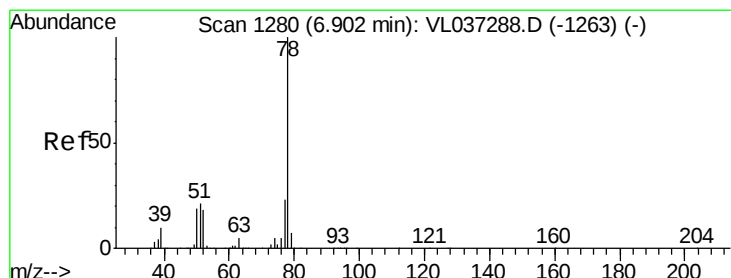
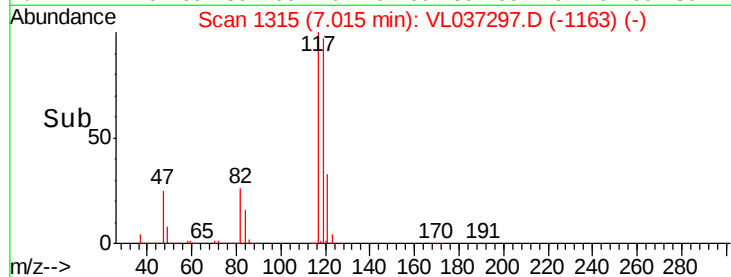
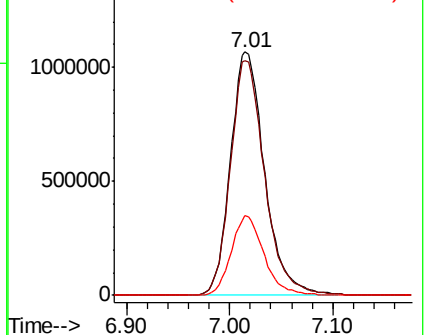
121 32.6 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.517 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

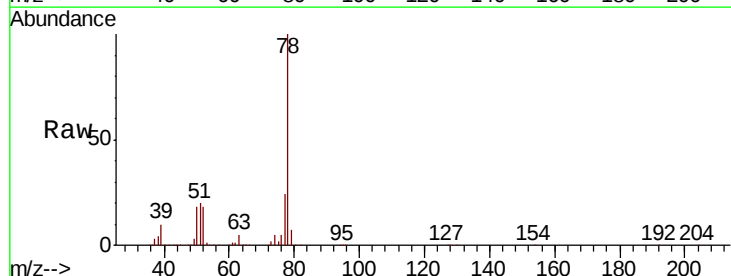
Tgt Ion: 78 Resp: 3022815

Ion Ratio Lower Upper

78 100

77 24.5 18.3 27.5

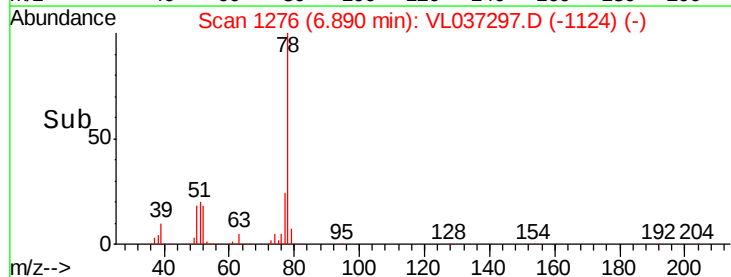
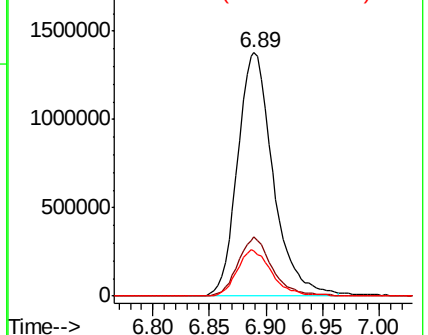
50 18.5 15.5 23.3

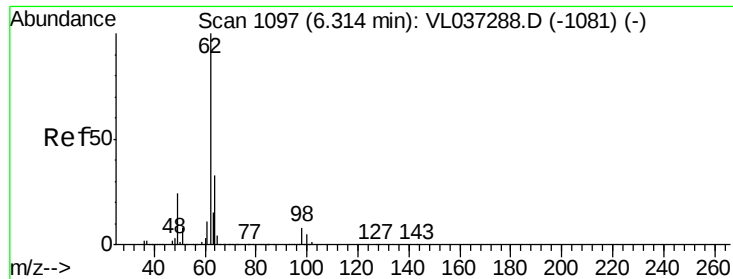


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

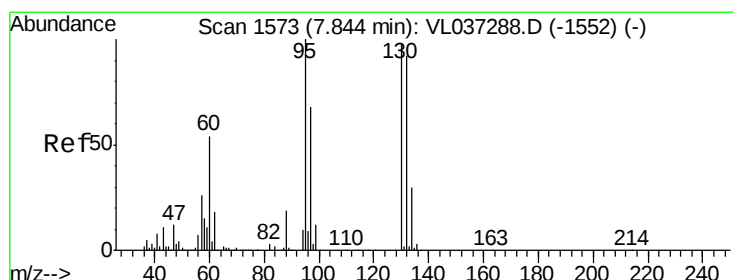
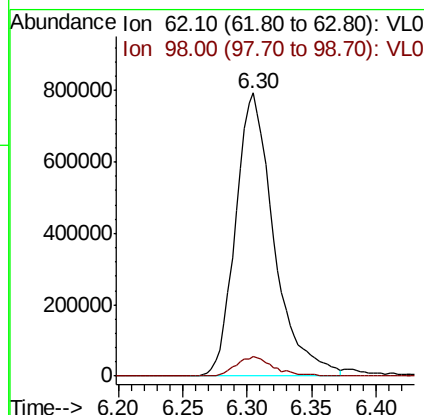
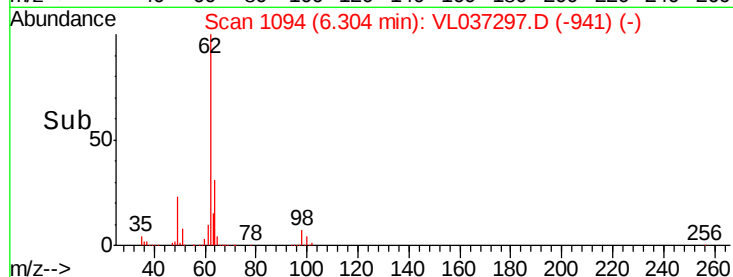
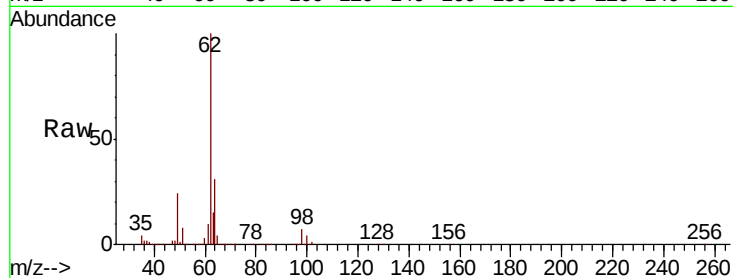




#37
 1,2-Dichloroethane
 Concen: 9.957 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

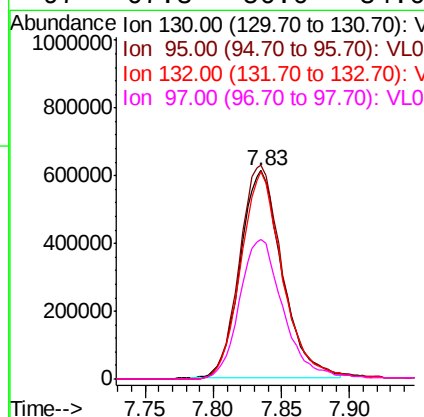
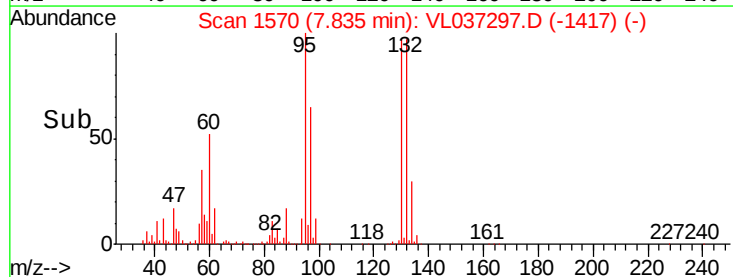
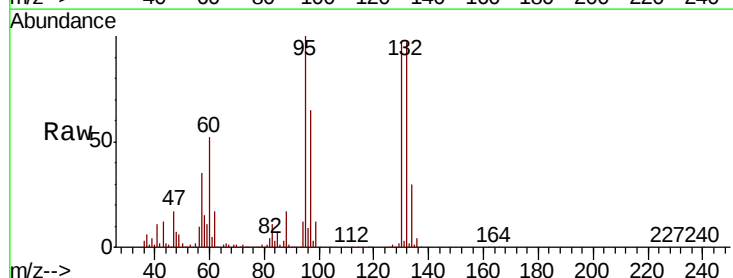
Instrument :
 MSVOA_L
 ClientSampleId :

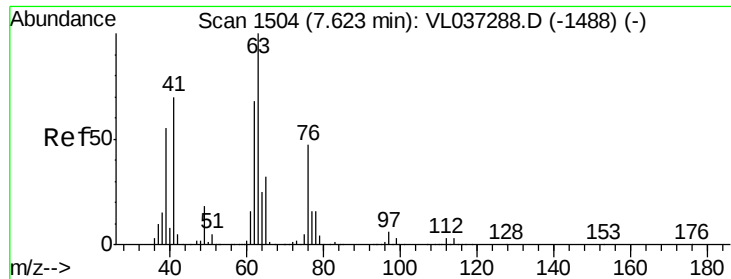
Tot Ion: 62 Resp: 1647600
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.8 8.6



#38
 Trichloroethene
 Concen: 9.084 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion:130 Resp: 1302094
 Ion Ratio Lower Upper
 130 100
 95 103.2 82.0 123.0
 132 100.2 75.0 112.6
 97 67.3 56.0 84.0

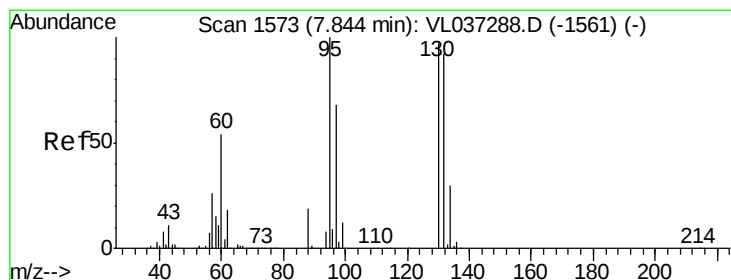
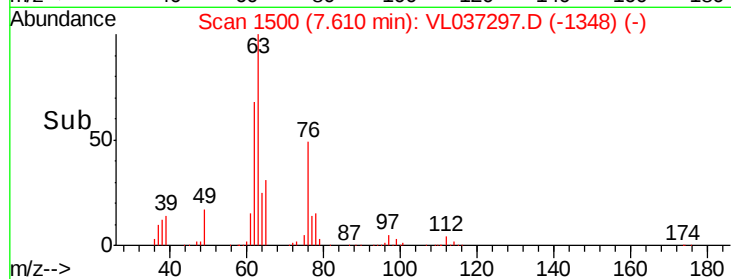
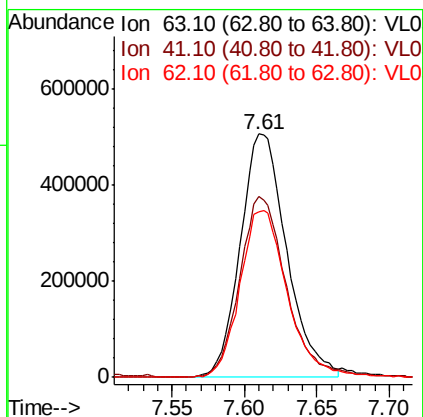
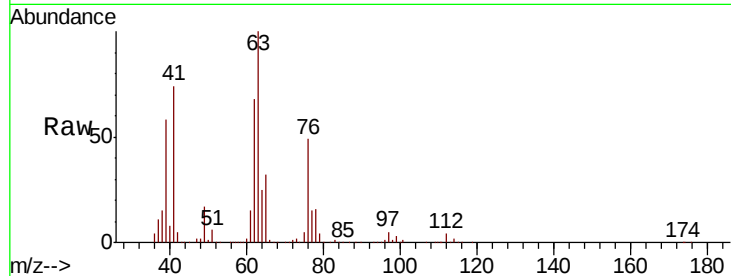




#39
 1,2-Dichloropropane
 Concen: 9.410 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

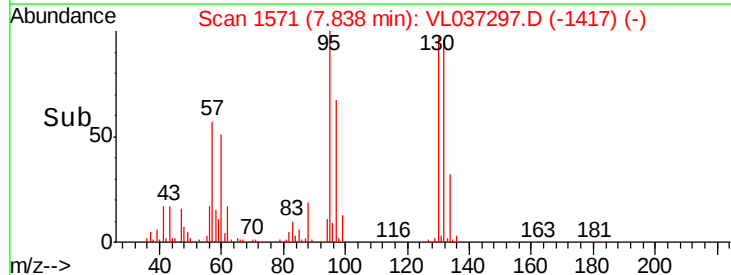
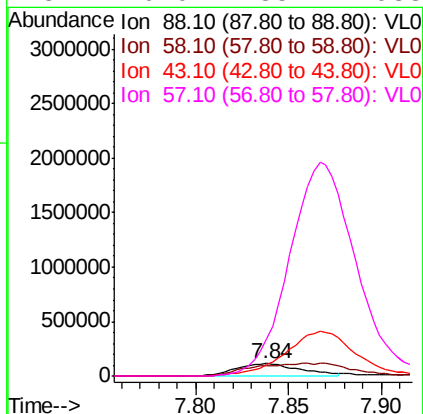
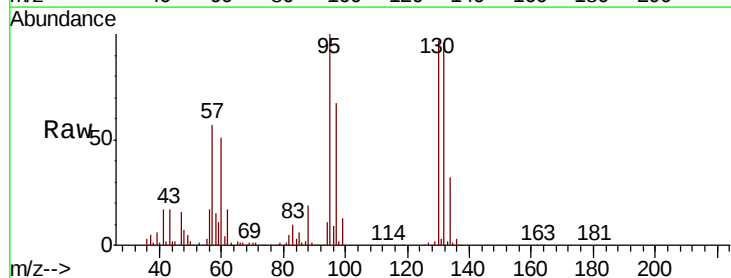
Instrument :
 MSVOA_L
 ClientSampleId :

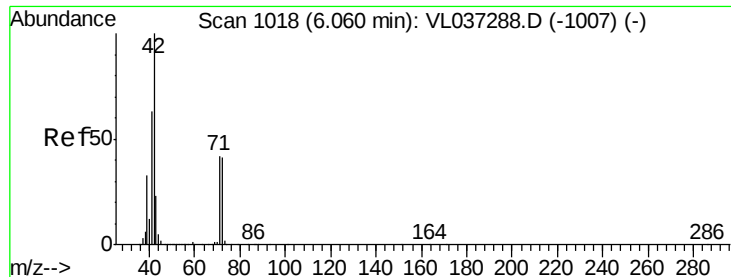
Tot Ion: 63 Resp: 1124083
 Ion Ratio Lower Upper
 63 100
 41 73.9 56.4 84.6
 62 67.9 54.6 82.0



#40
 1,4-Dioxane
 Concen: 7.887 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 88 Resp: 271393
 Ion Ratio Lower Upper
 88 100
 58 0.0 119.2 178.8#
 43 0.0 282.2 423.2#
 57 0.0 1288.7 1933.1#

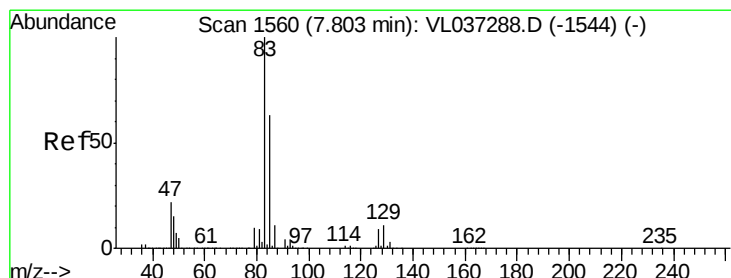
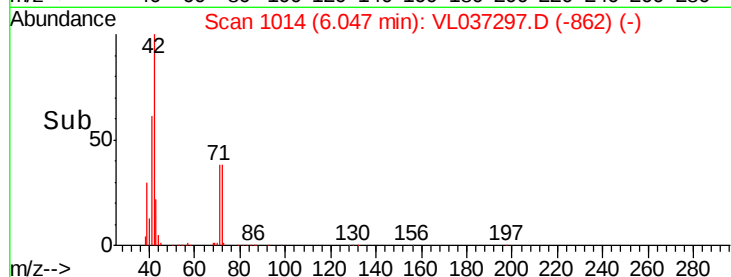
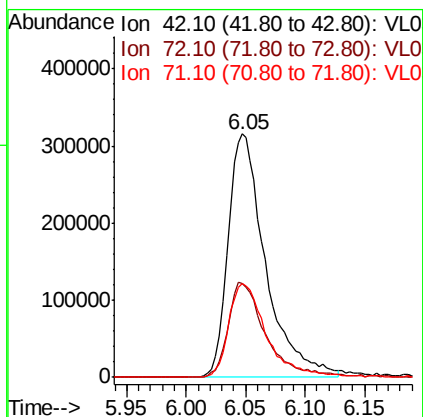
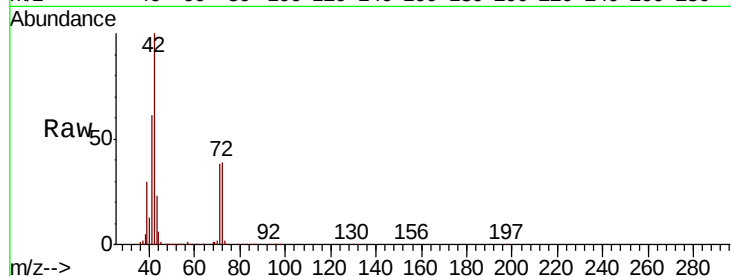




#41
Tetrahydrofuran
Concen: 10.616 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

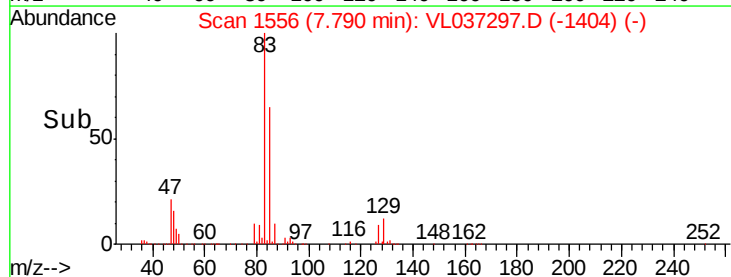
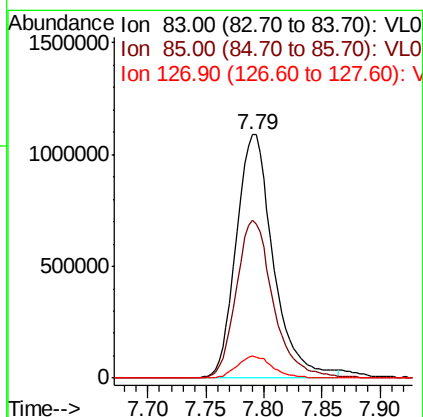
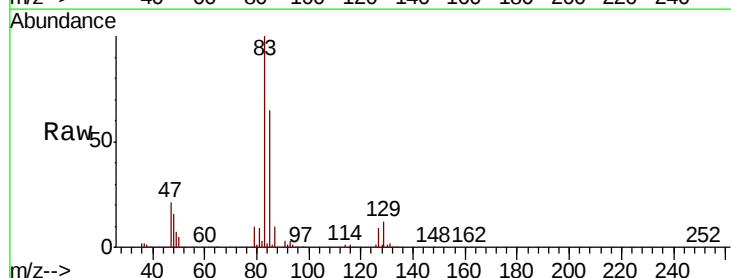
Instrument :
MSVOA_L
ClientSampleId :

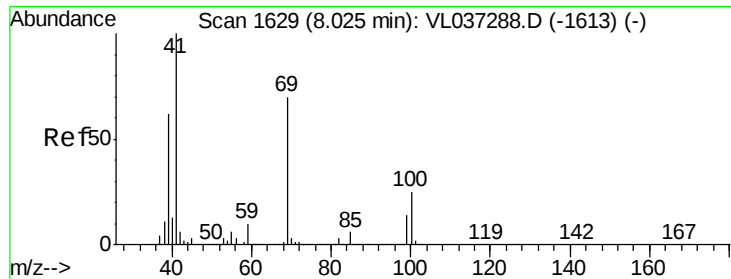
Tot Ion: 42 Resp: 686710
Ion Ratio Lower Upper
42 100
72 39.8 33.0 49.6
71 39.6 32.7 49.1



#42
Bromodichloromethane
Concen: 10.534 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 83 Resp: 2431658
Ion Ratio Lower Upper
83 100
85 64.9 50.5 75.7
127 9.2 7.0 10.6

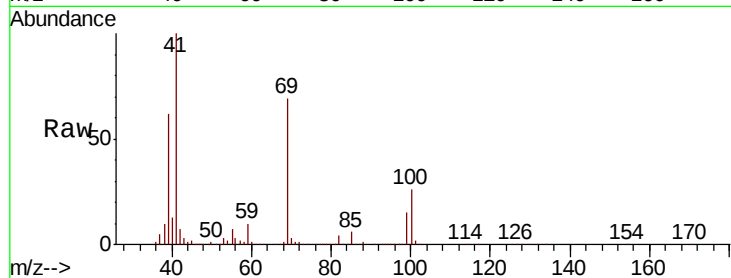




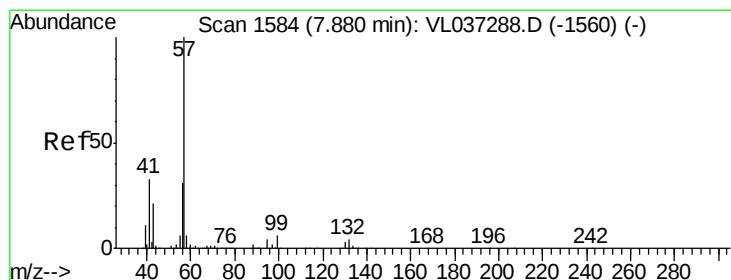
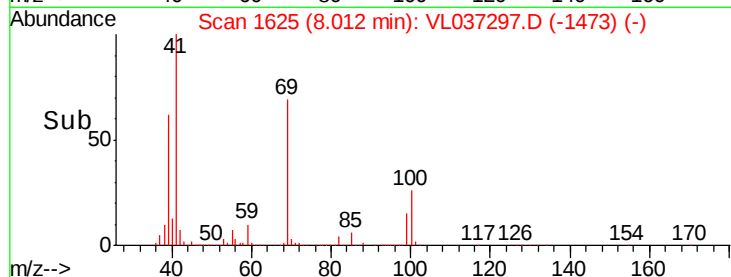
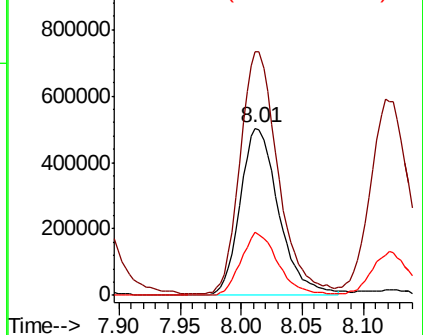
#43
Methvl Methacrylate
Concen: 10.404 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1098499
Ion Ratio Lower Upper
69 100
41 145.2 116.5 174.7
100 36.6 28.7 43.1

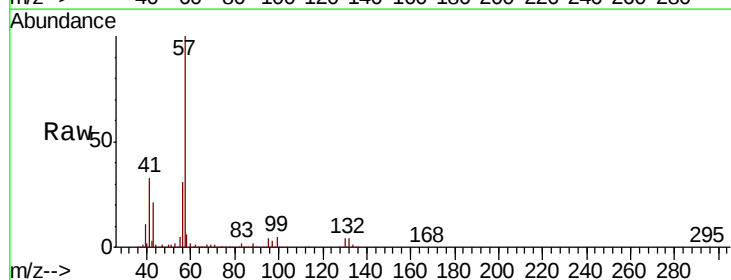


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

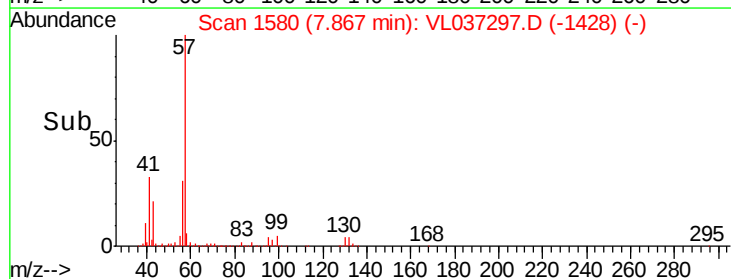
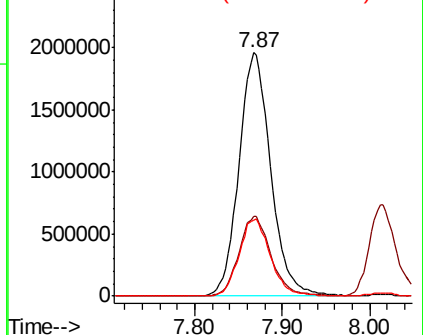


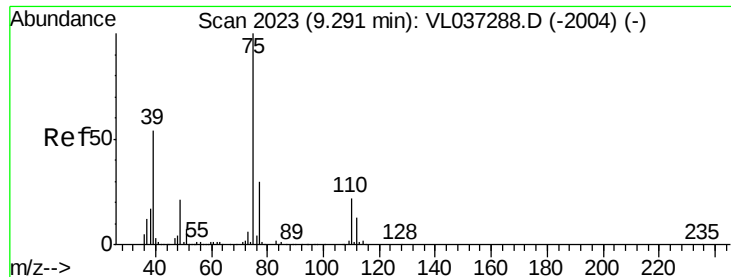
#44
2,2,4-Trimethylpentane
Concen: 9.540 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 57 Resp: 4953802
Ion Ratio Lower Upper
57 100
41 33.1 26.6 40.0
56 31.3 25.3 37.9



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





#45

t-1,3-Dichloropropene

Concen: 11.900 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.02 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

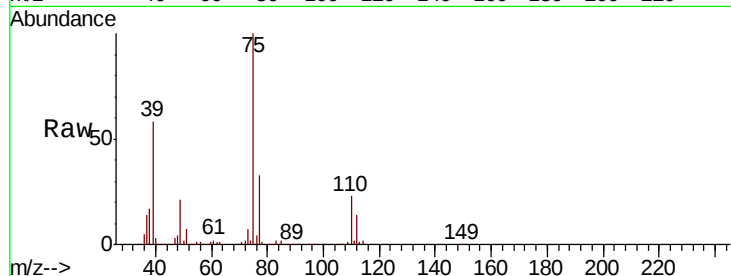
ClientSampleId :

Tot Ion: 75 Resp: 1052872

Ion Ratio Lower Upper

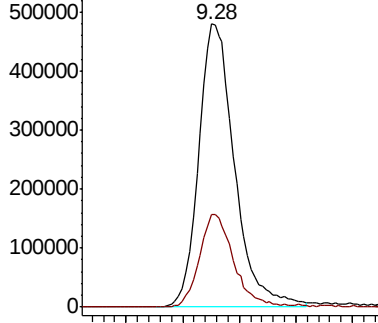
75 100

77 32.6 24.3 36.5

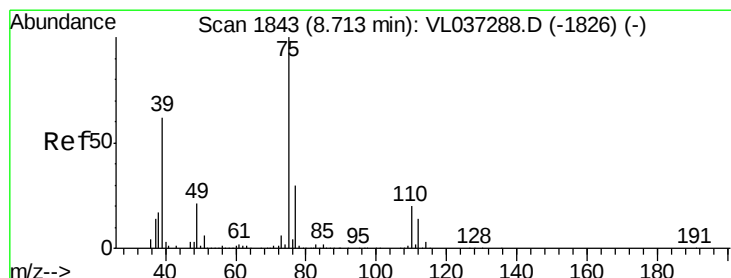
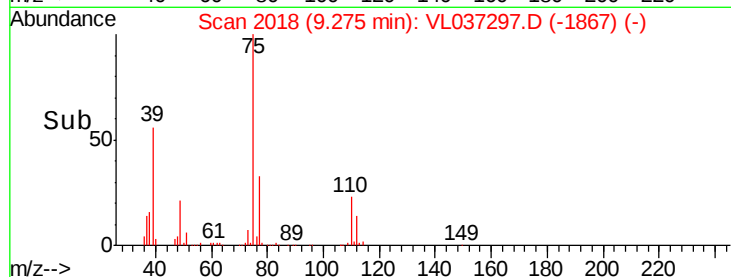


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.231 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

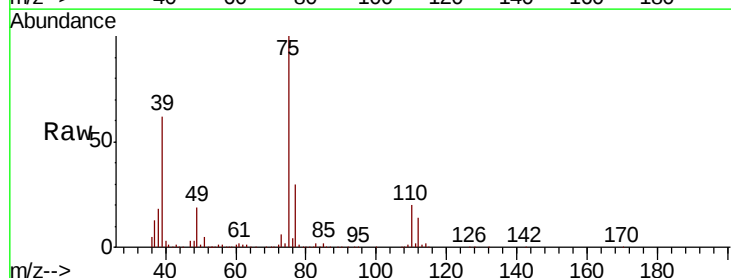
Tgt Ion: 75 Resp: 1340167

Ion Ratio Lower Upper

75 100

39 61.6 49.8 74.6

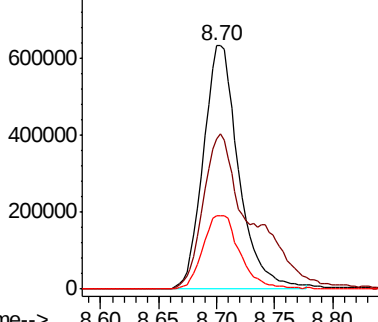
77 29.9 24.3 36.5



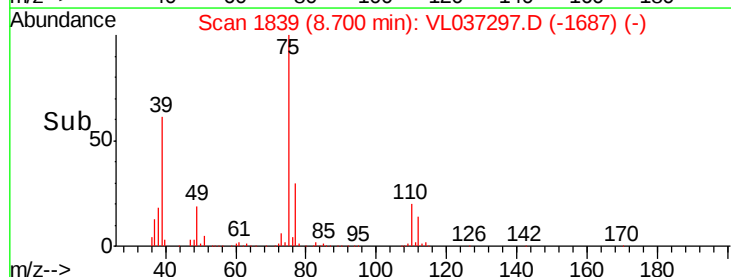
Abundance Ion 75.00 (74.70 to 75.70): VL0

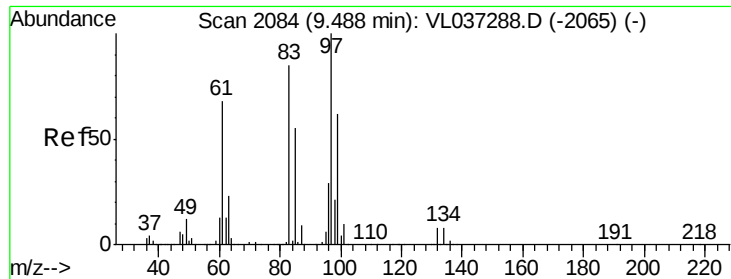
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->



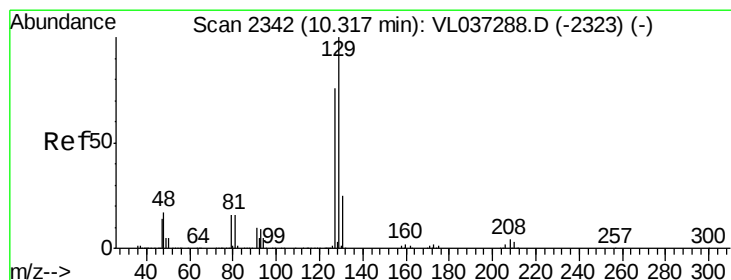
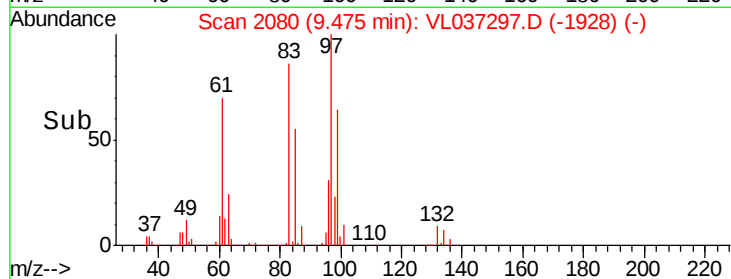
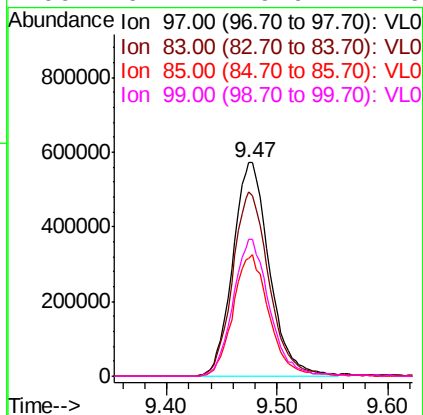
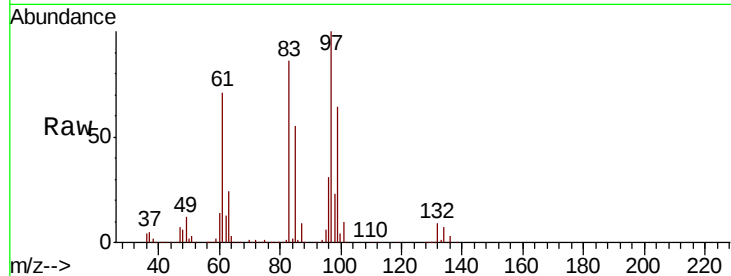


#47
 1,1,2-Trichloroethane
 Concen: 9.801 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1313350

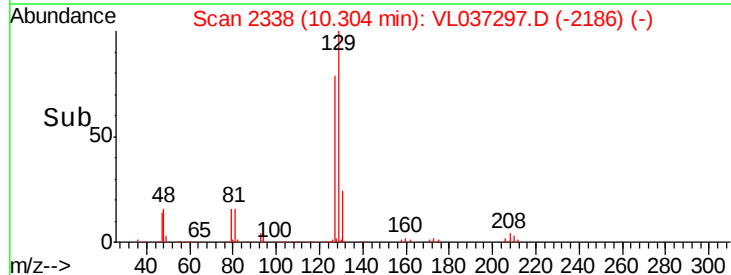
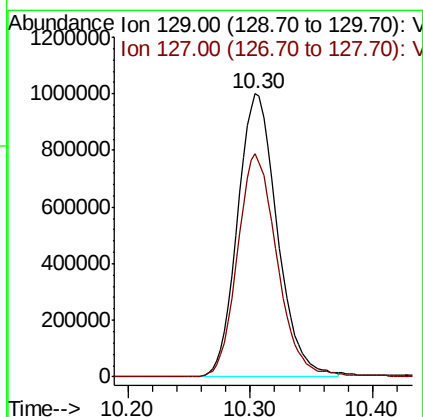
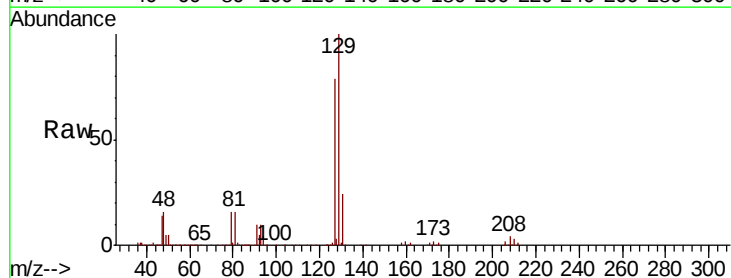
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.7	101.5
85	55.1	43.8	65.6
99	64.4	49.9	74.9

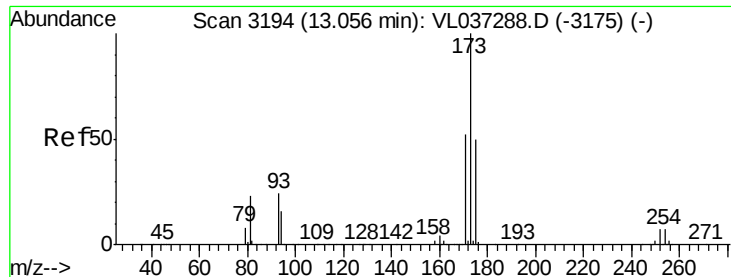


#48
 Dibromochloromethane
 Concen: 10.987 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 129 Resp: 2253960

Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.5	118.3





#49

Bromoform

Concen: 11.704 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

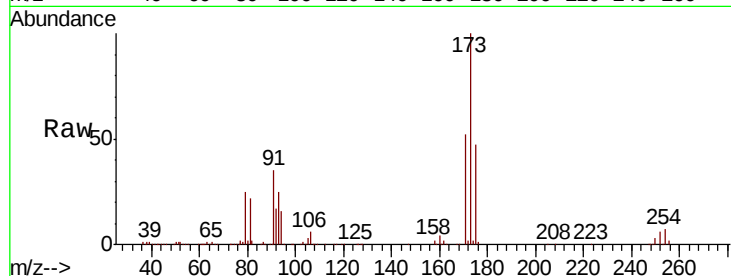
Tot Ion:173 Resp: 1865262

Ion Ratio Lower Upper

173 100

175 51.0 40.4 60.6

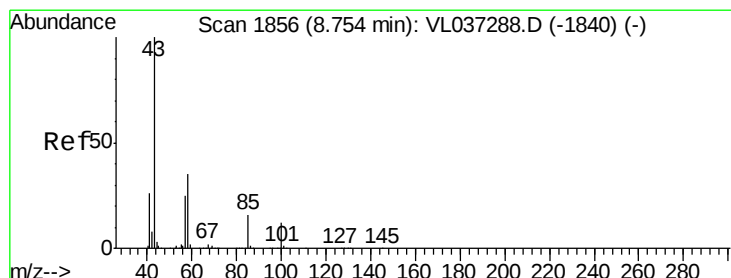
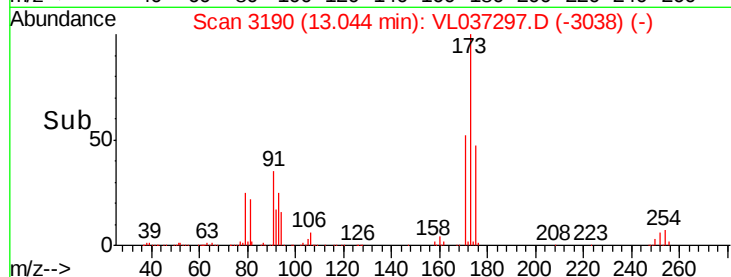
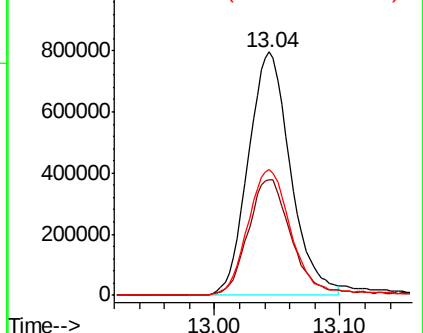
171 55.1 43.3 64.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.748 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL037297.D

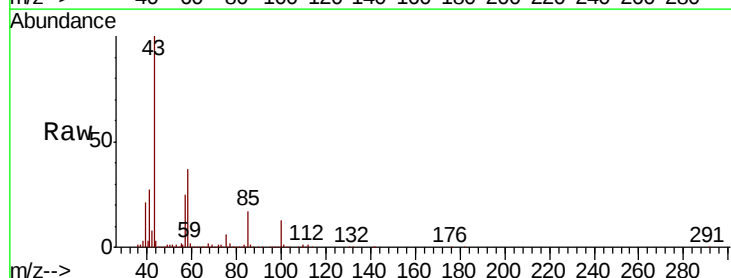
Acq: 31 Jul 2021 00:36

Tgt Ion: 43 Resp: 1987092

Ion Ratio Lower Upper

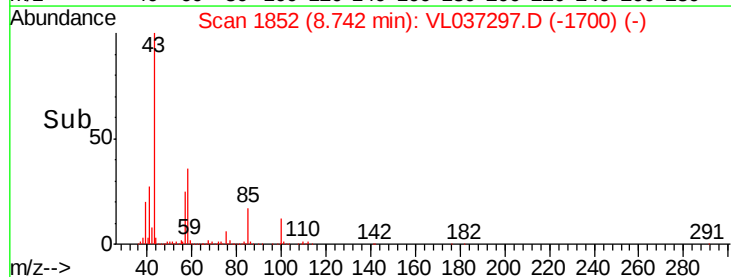
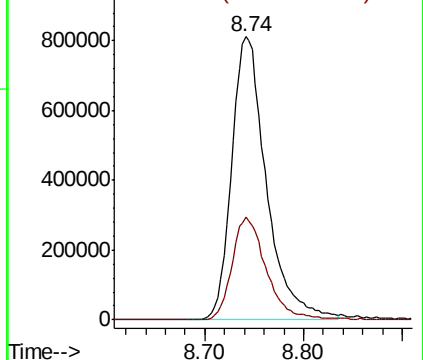
43 100

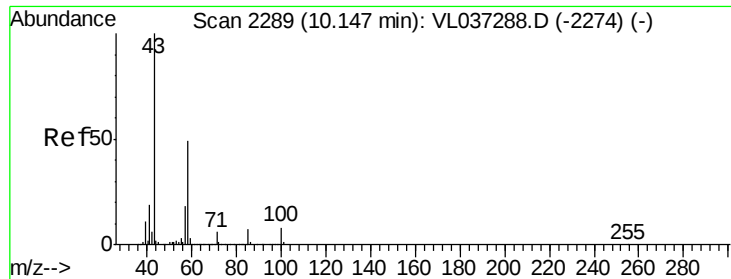
58 36.2 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

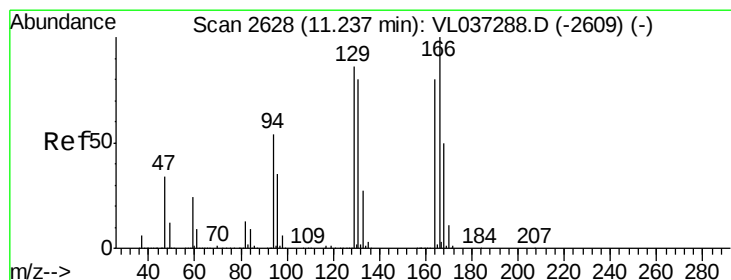
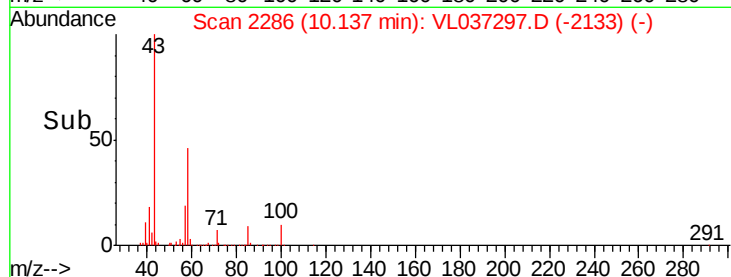
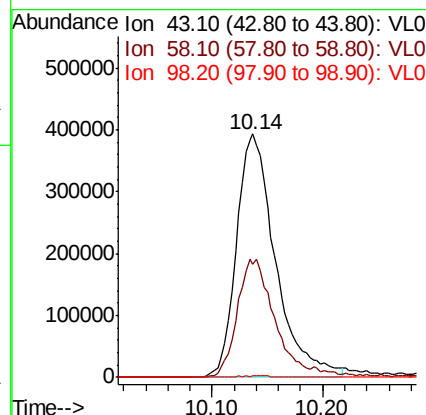
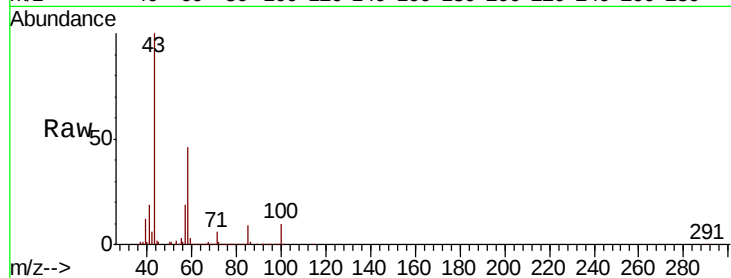




#51
2-Hexanone
Concen: 10.181 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

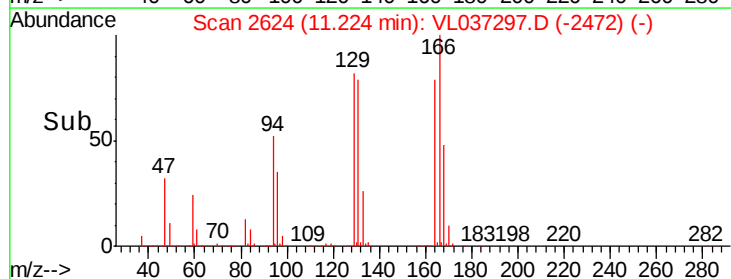
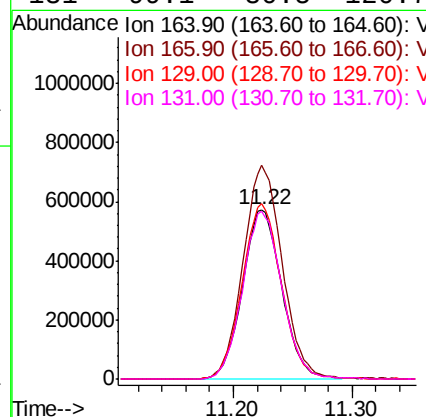
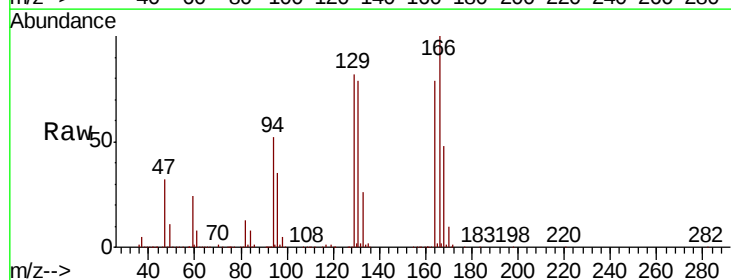
Instrument :
MSVOA_L
ClientSampled :

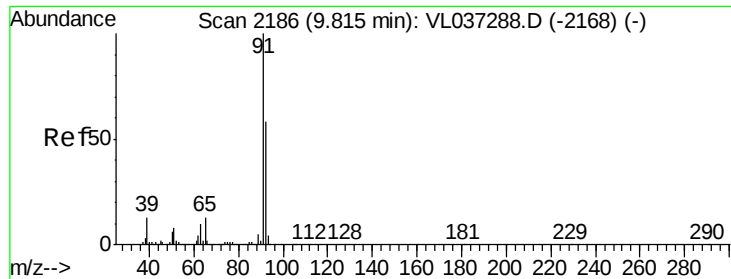
Tot Ion: 43 Resp: 958262
Ion Ratio Lower Upper
43 100
58 49.0 39.0 58.4
98 0.7 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.326 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion:164 Resp: 1305783
Ion Ratio Lower Upper
164 100
166 126.0 100.4 150.6
129 103.2 86.2 129.4
131 99.1 80.5 120.7





#53

Toluene

Concen: 9.910 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

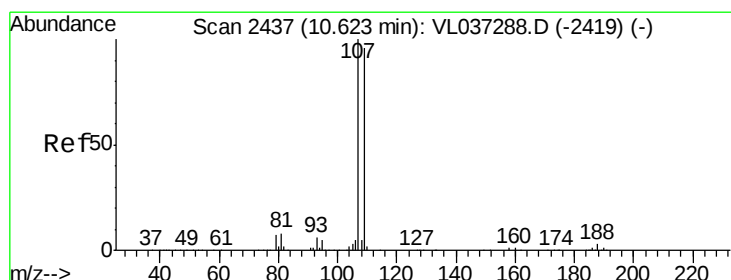
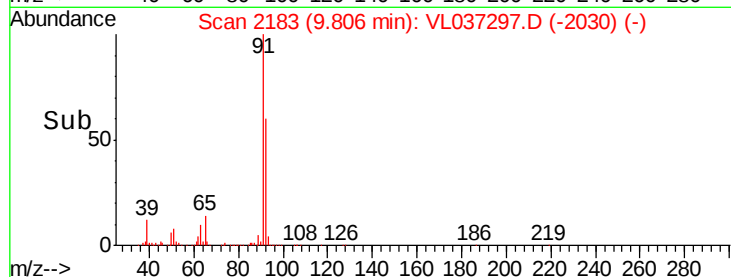
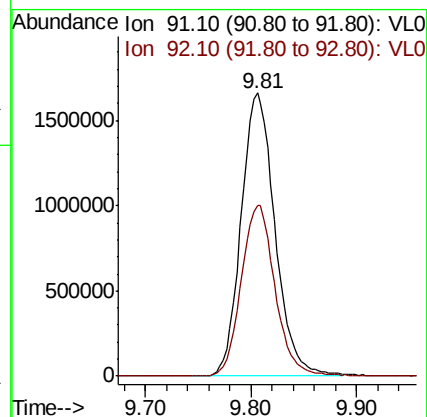
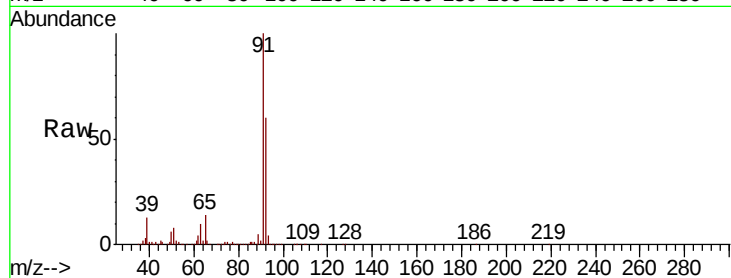
ClientSampleId :

Tot Ion: 91 Resp: 3700508

Ion Ratio Lower Upper

91 100

92 60.6 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.295 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL037297.D

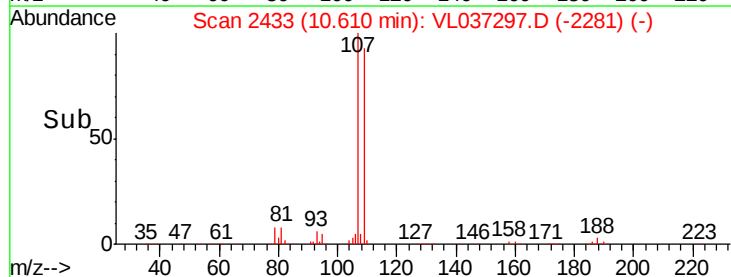
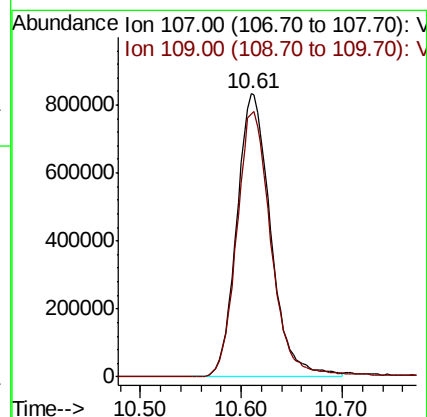
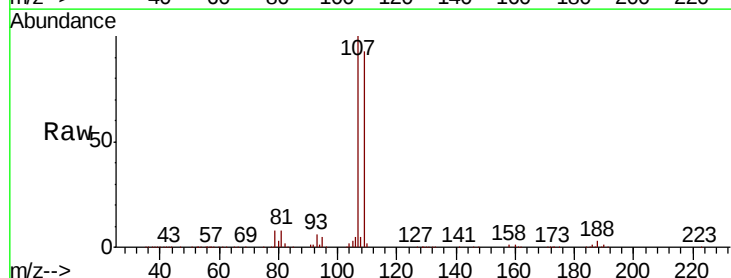
Acq: 31 Jul 2021 00:36

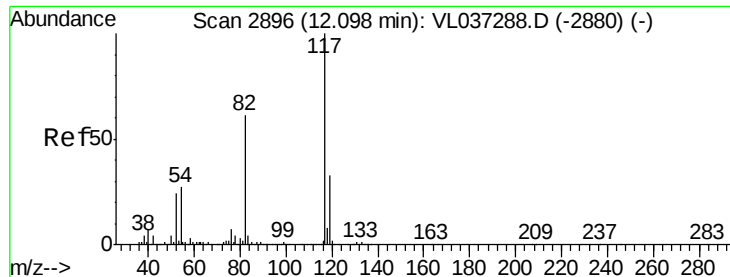
Tgt Ion: 107 Resp: 1950475

Ion Ratio Lower Upper

107 100

109 92.8 77.0 115.4

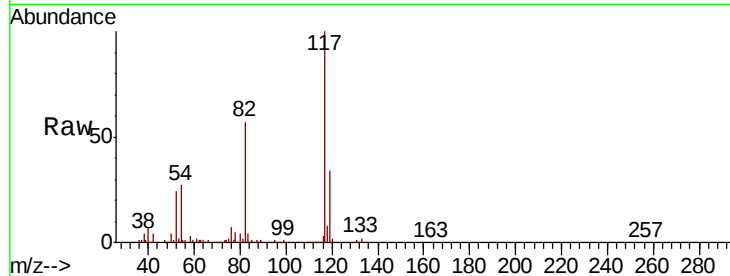




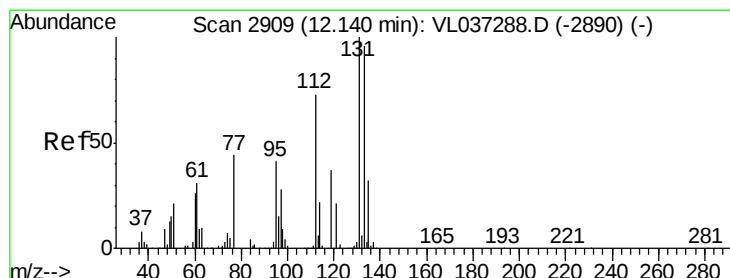
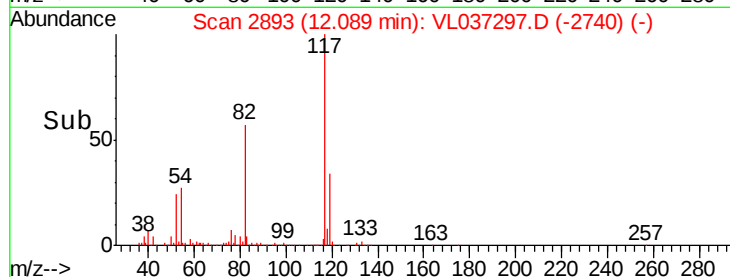
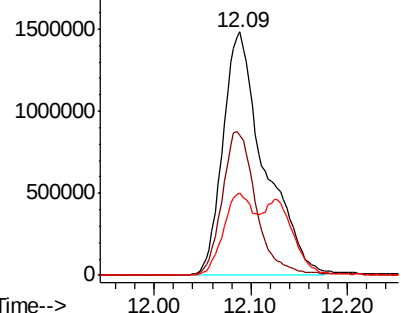
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 4427158
Ion Ratio Lower Upper
117 100
82 48.9 47.2 70.8
119 23.7 45.8 68.8#

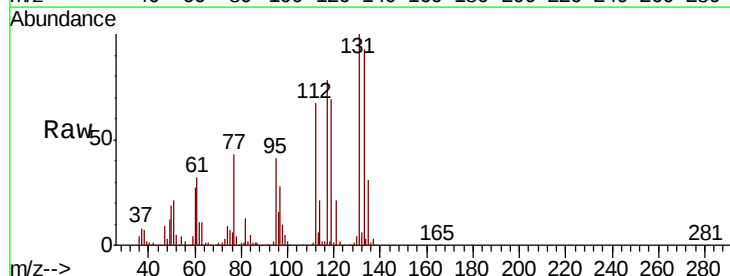


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

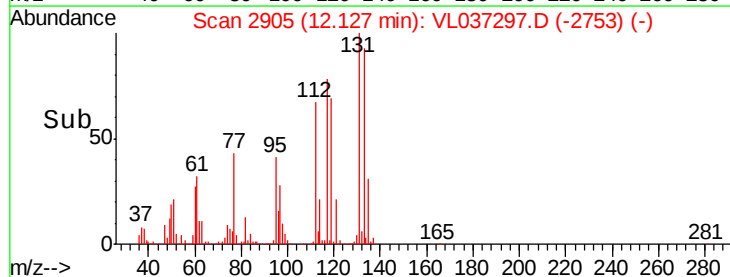
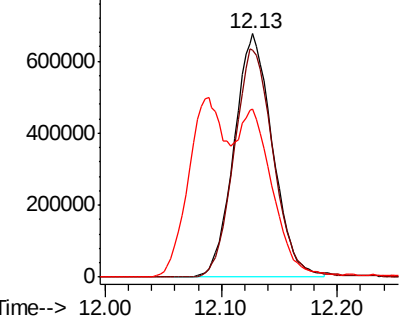


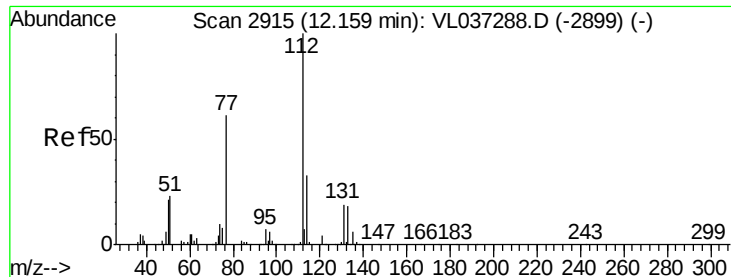
#56
1,1,1,2-Tetrachloroethane
Concen: 8.051 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion:131 Resp: 1560236
Ion Ratio Lower Upper
131 100
133 96.3 77.4 116.2
119 70.1 51.0 76.4



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: 7.808 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

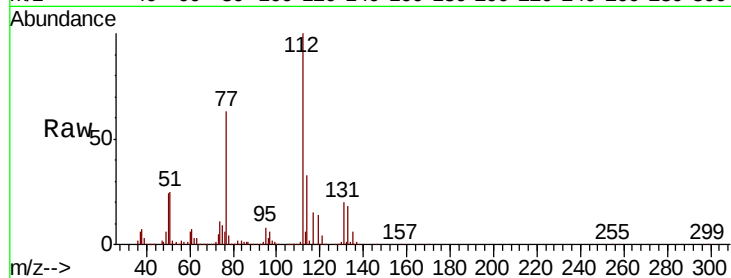
Tot Ion:112 Resp: 2891387

Ion Ratio Lower Upper

112 100

77 61.6 49.0 73.6

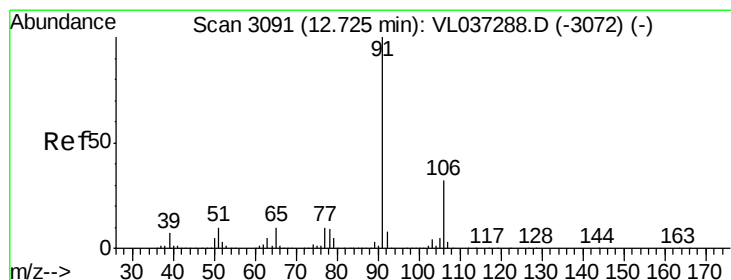
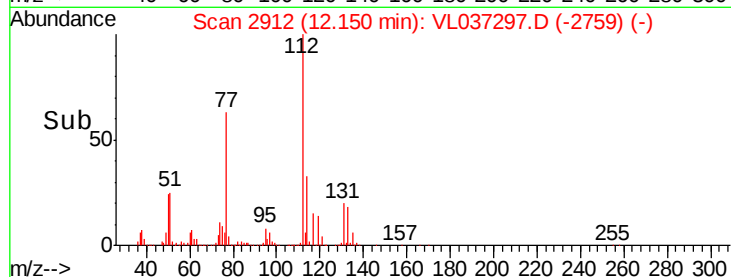
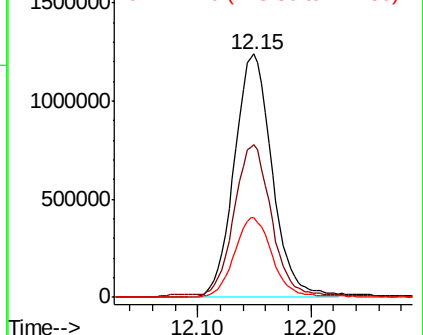
114 32.4 29.3 35.9



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: 8.022 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037297.D

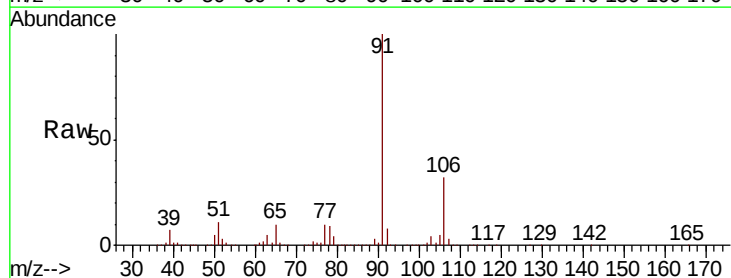
Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 4882538

Ion Ratio Lower Upper

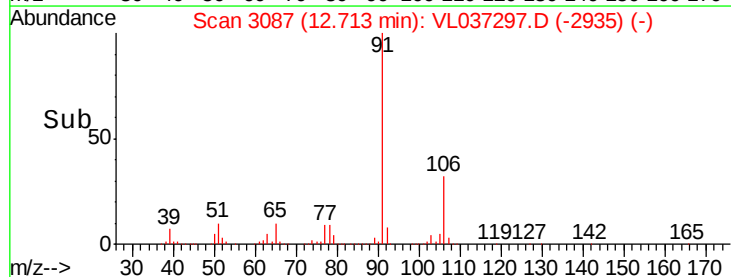
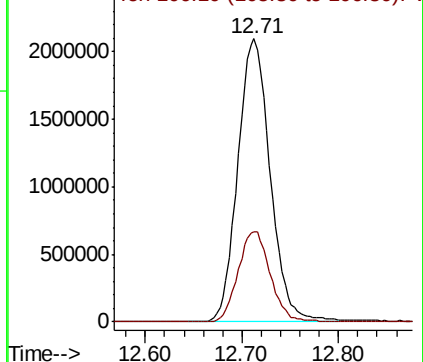
91 100

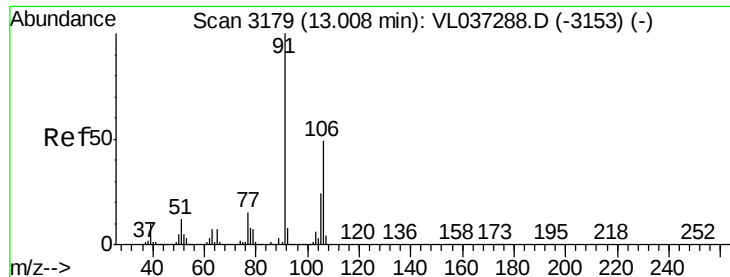
106 32.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

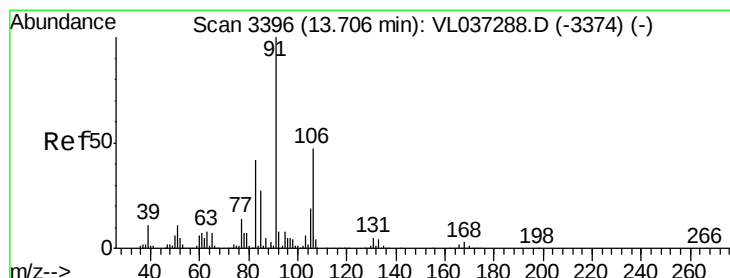
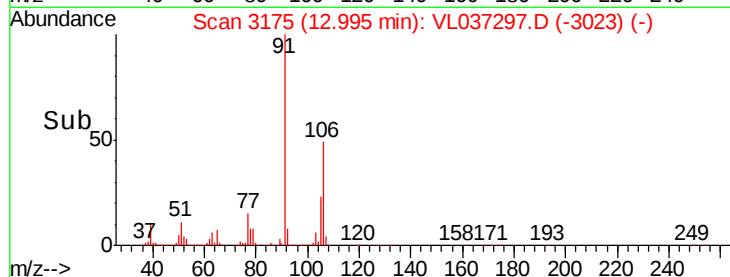
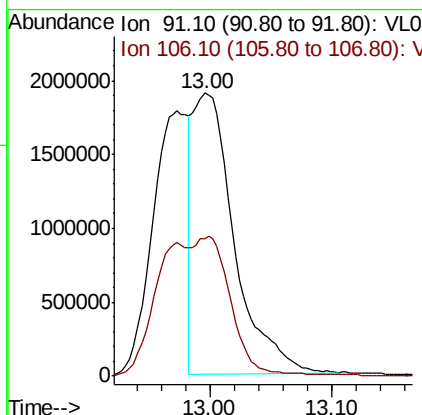
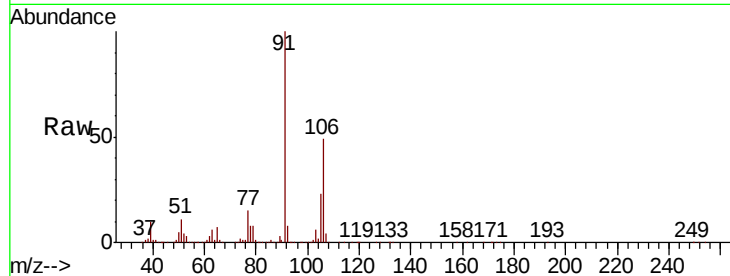




#59
m/p-Xylene
Concen: 8.525 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

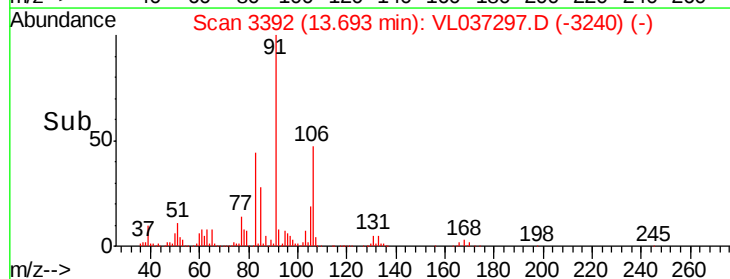
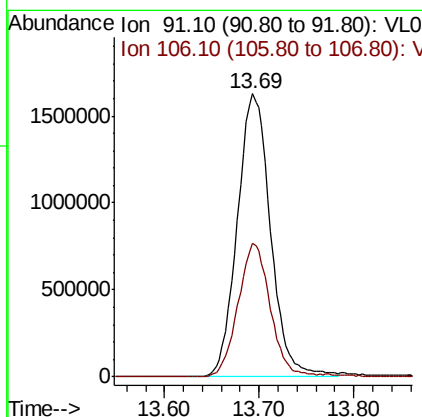
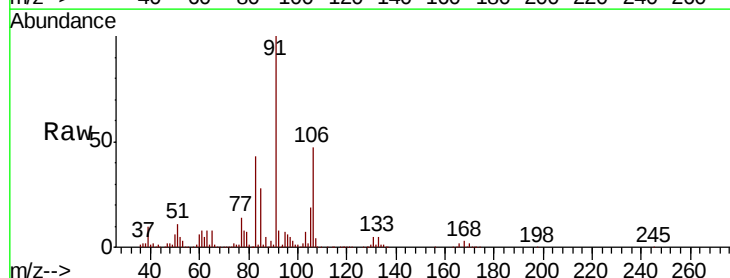
Instrument :
MSVOA_L
ClientSampled :

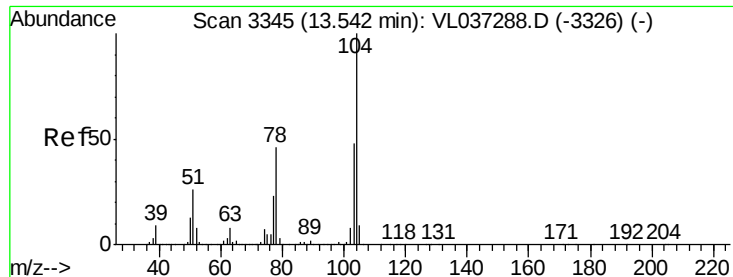
Tot Ion: 91 Resp: 4466903
Ion Ratio Lower Upper
91 100
106 86.5 37.3 55.9#



#60
o-Xylene
Concen: 7.942 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 3976794
Ion Ratio Lower Upper
91 100
106 46.5 23.4 70.0

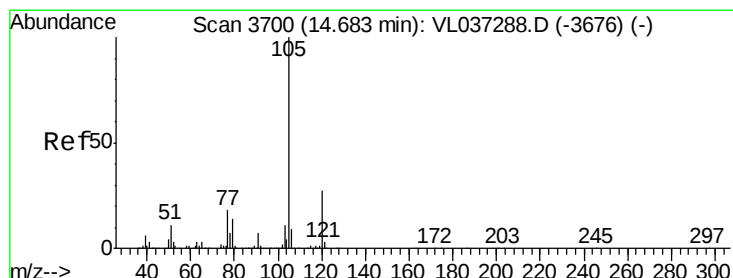
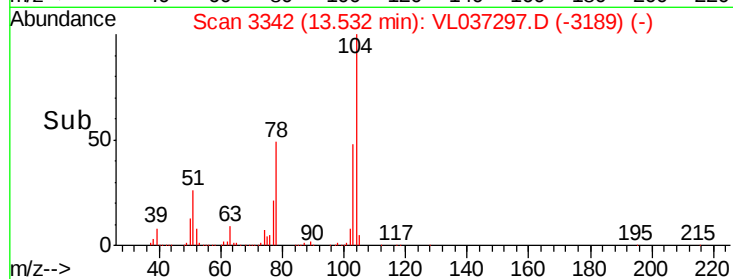
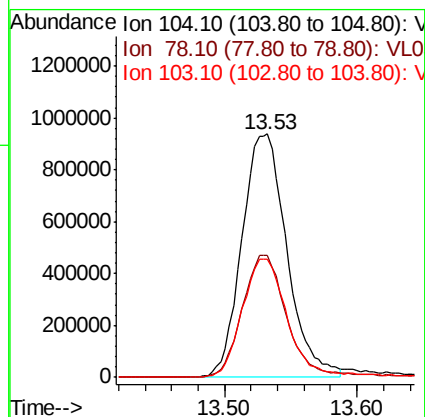
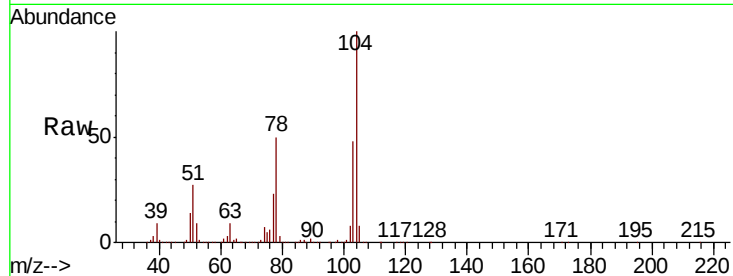




#61
Stvrene
Concen: 8.653 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

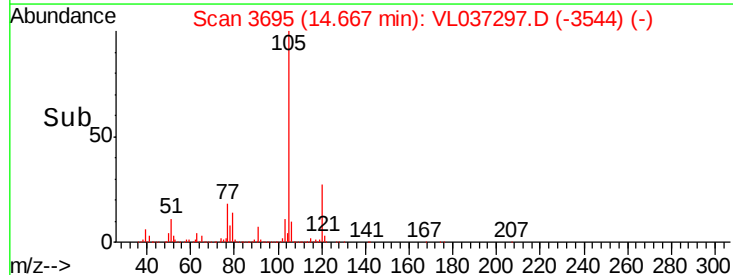
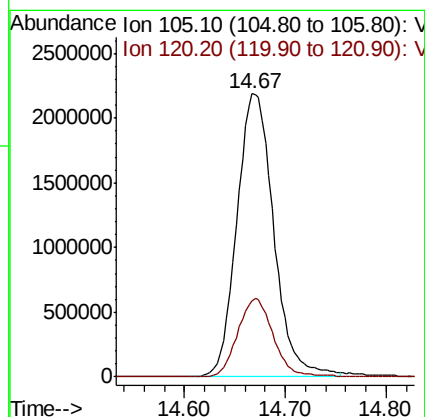
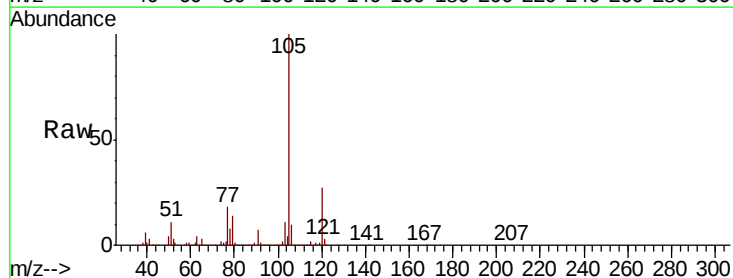
Instrument :
MSVOA_L
ClientSampleId :

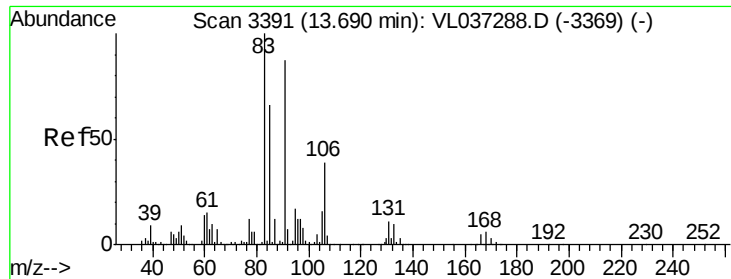
Tot Ion:104 Resp: 2214661
Ion Ratio Lower Upper
104 100
78 50.4 39.0 58.6
103 49.3 38.6 58.0



#62
Isopropylbenzene
Concen: 7.841 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.02 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion:105 Resp: 5545867
Ion Ratio Lower Upper
105 100
120 27.1 21.8 32.6

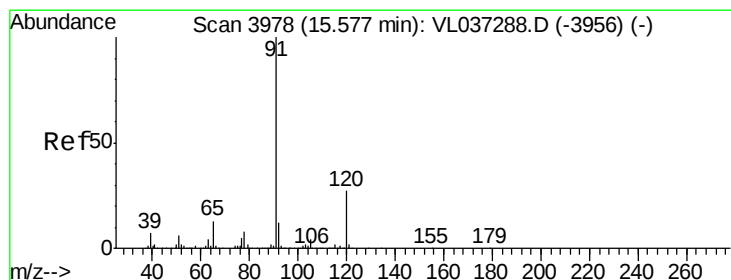
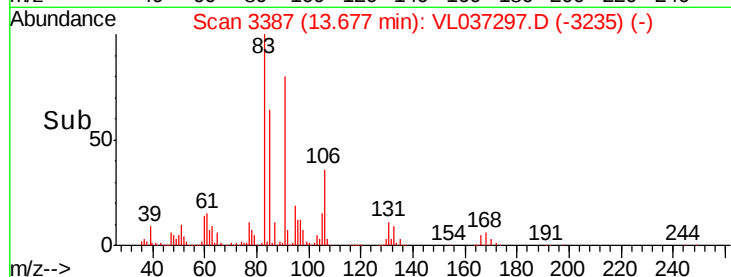
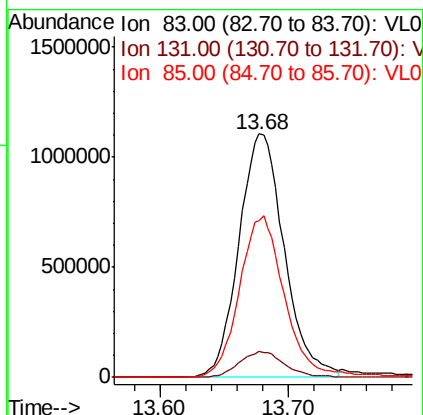
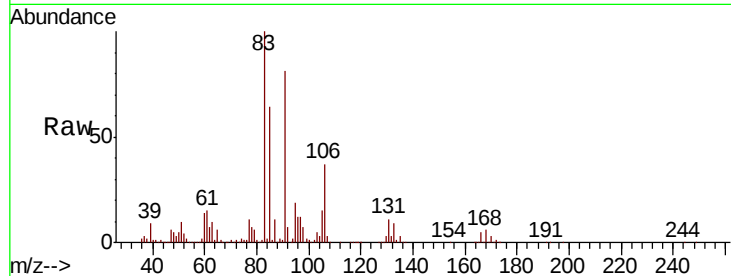




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.624 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

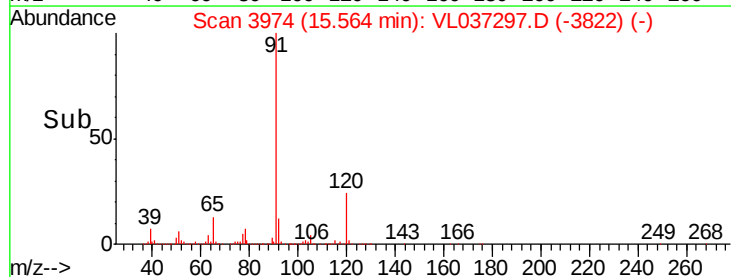
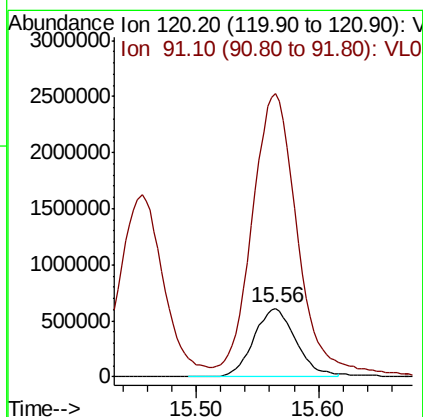
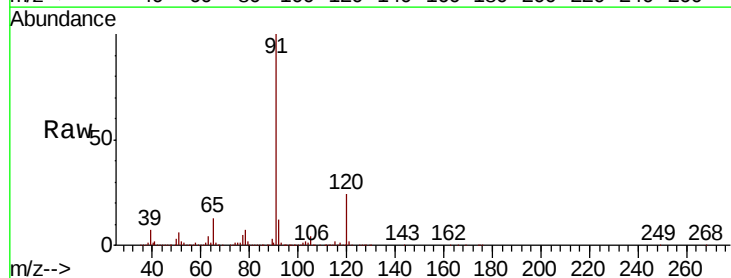
Instrument :
 MSVOA_L
 ClientSampled :

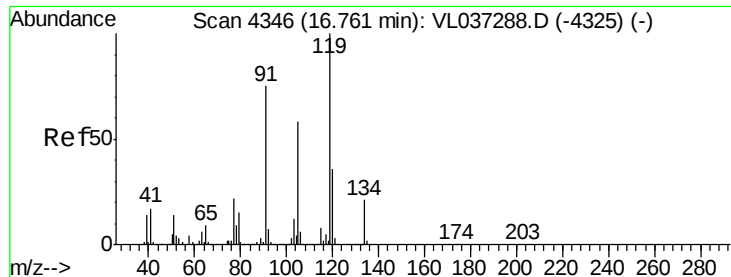
Tot Ion: 83 Resp: 2692847
 Ion Ratio Lower Upper
 83 100
 131 11.0 5.5 16.5
 85 67.7 33.6 100.8



#64
 n-propylbenzene
 Concen: 7.989 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion:120 Resp: 1465189
 Ion Ratio Lower Upper
 120 100
 91 451.3 347.0 520.4





#65

tert-Butylbenzene

Concen: 7.778 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampled :

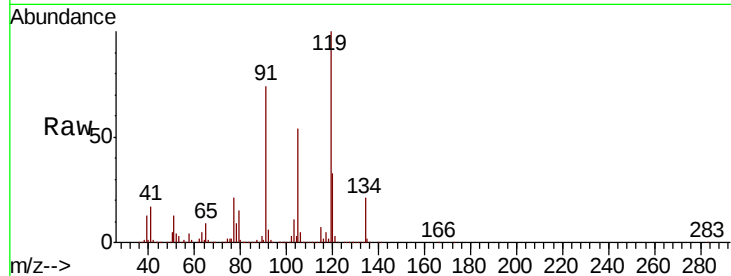
Tot Ion:119 Resp: 5092179

Ion Ratio Lower Upper

119 100

91 75.5 60.5 90.7

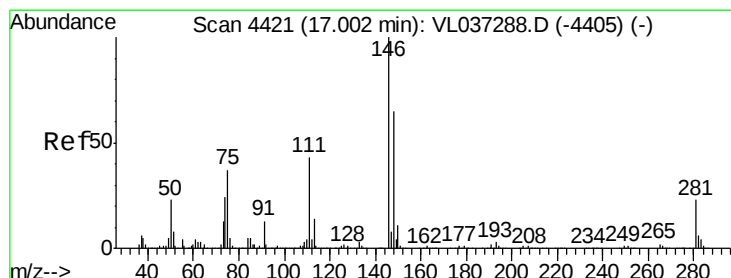
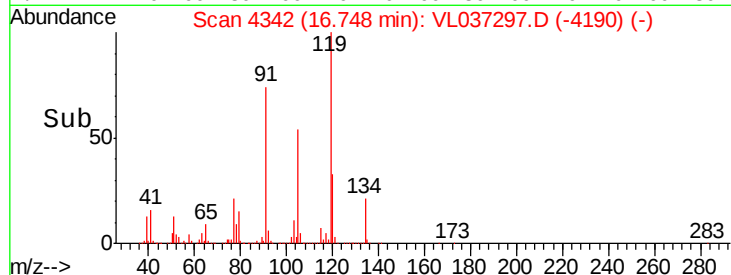
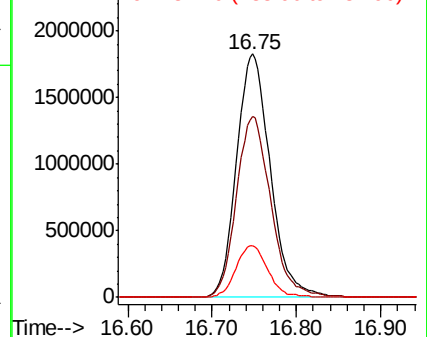
134 20.3 16.2 24.4



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: 9.366 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

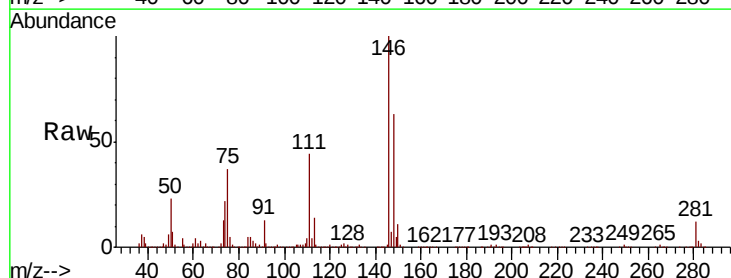
Tgt Ion: 91 Resp: 301306

Ion Ratio Lower Upper

91 100

126 18.1 15.4 23.0

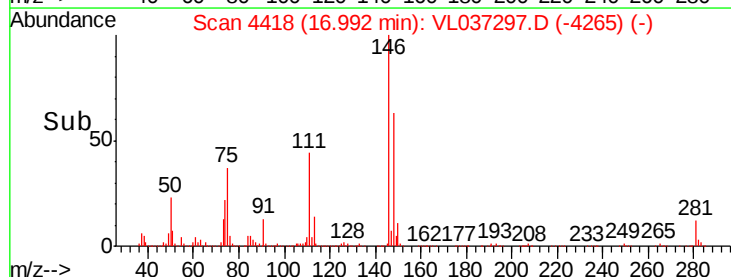
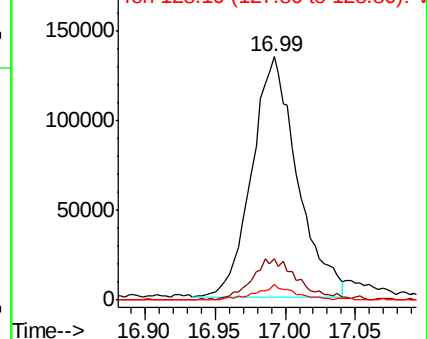
128 5.9 5.0 7.4

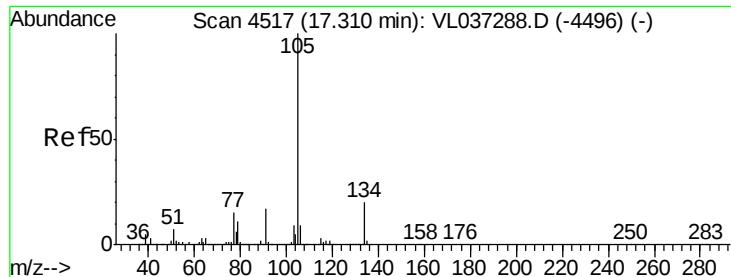


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.915 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

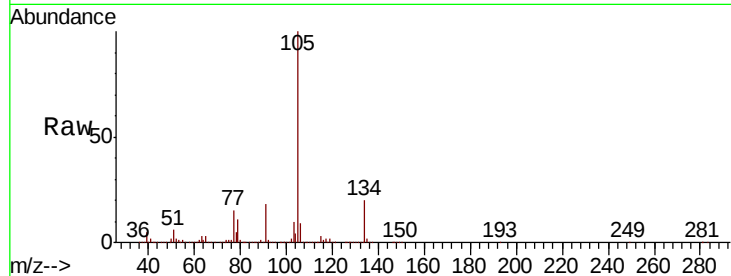
ClientSampled :

Tot Ion:105 Resp: 6850776

Ion Ratio Lower Upper

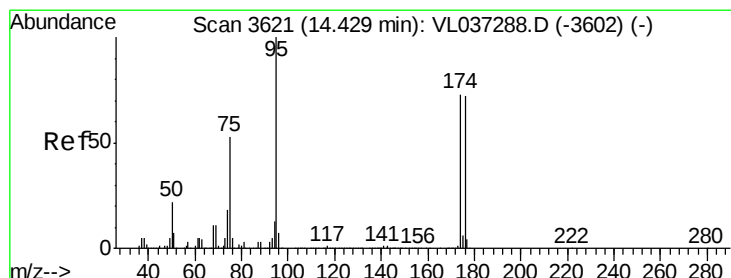
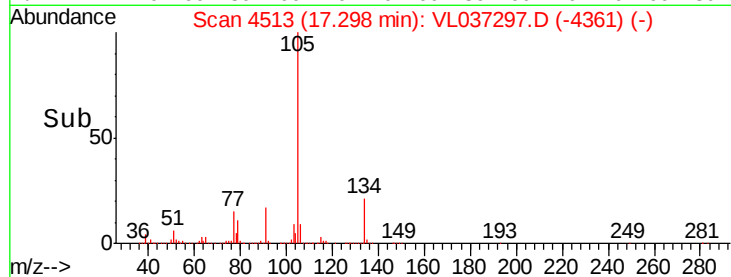
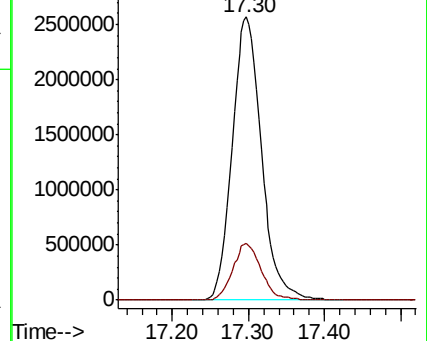
105 100

134 19.5 15.8 23.6



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: 8.447 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

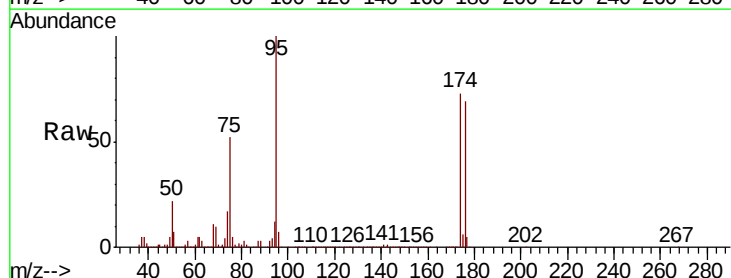
Tgt Ion: 95 Resp: 2720699

Ion Ratio Lower Upper

95 100

174 74.2 59.8 89.6

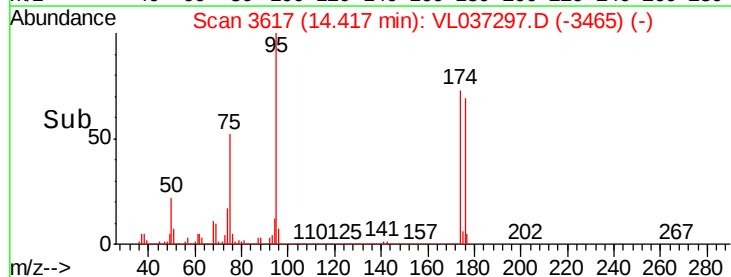
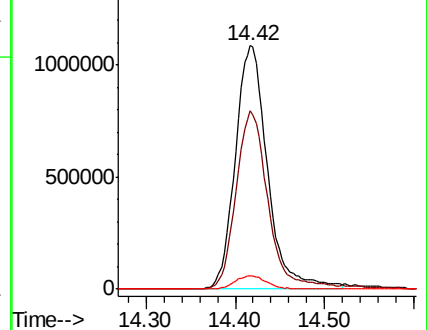
175 5.5 4.5 6.7

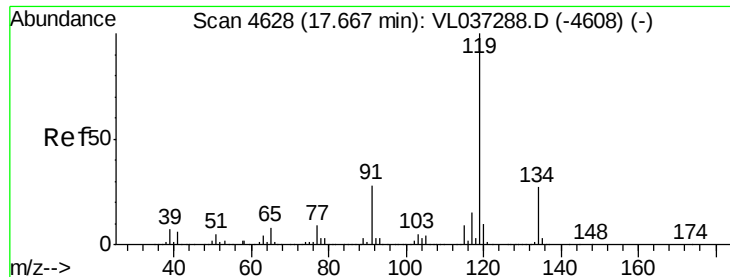


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

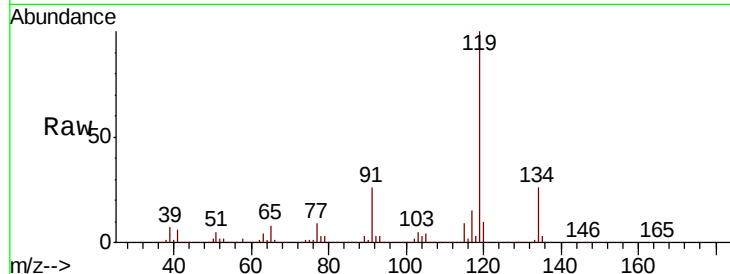




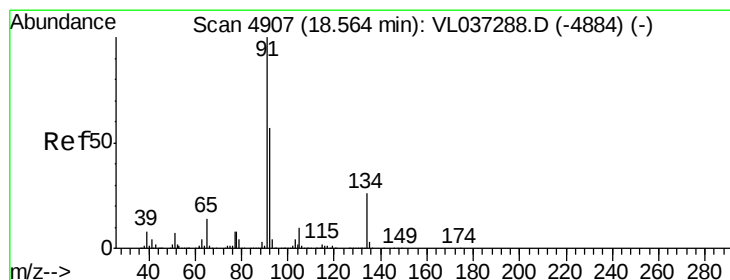
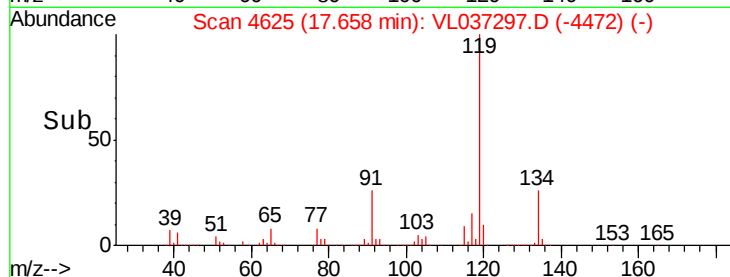
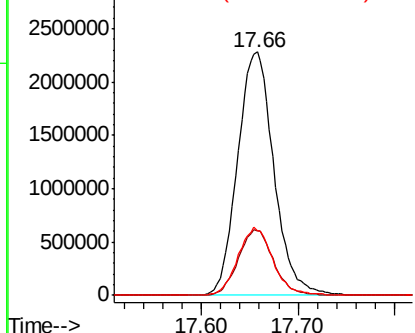
#69
 p-Isopropyltoluene
 Concen: 8.015 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 5939420
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.1 31.7
 91 26.9 21.8 32.6

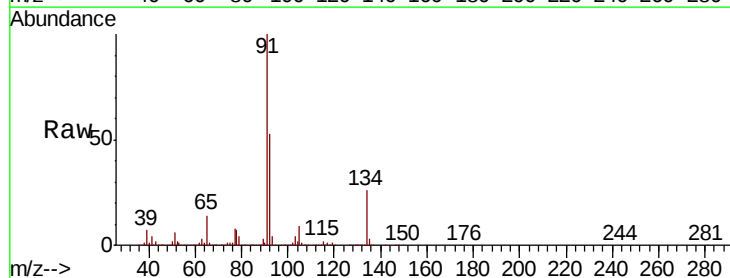


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

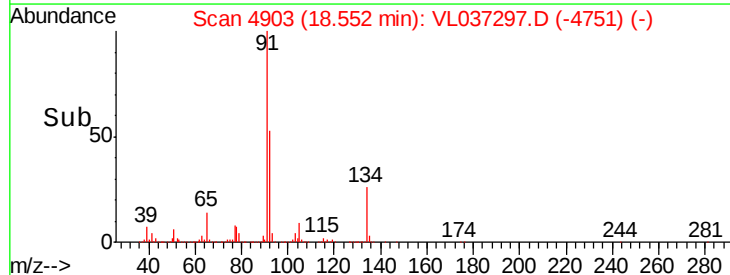
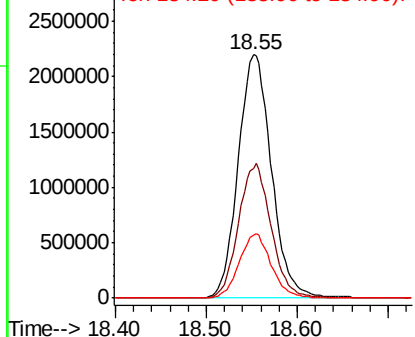


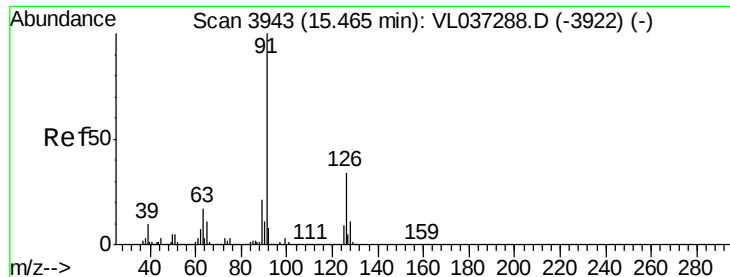
#70
 n-Butylbenzene
 Concen: 7.986 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion: 91 Resp: 5584795
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.6 65.4
 134 25.5 20.3 30.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

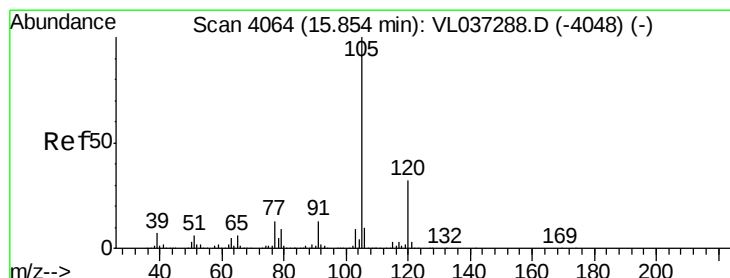
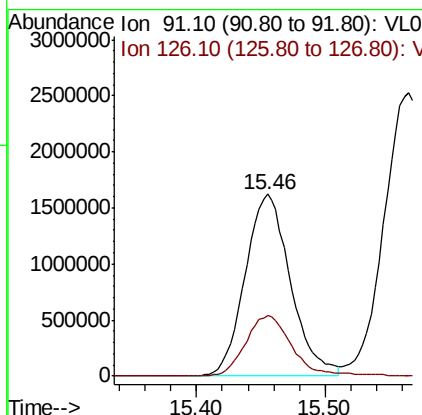
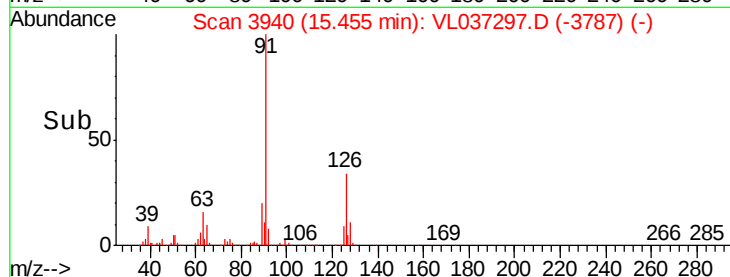
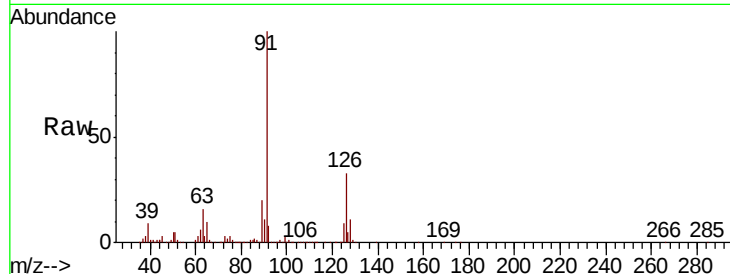




#71
2-Chlorotoluene
Concen: 7.860 ppbv
RT: 15.46 min Scan# 3940
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

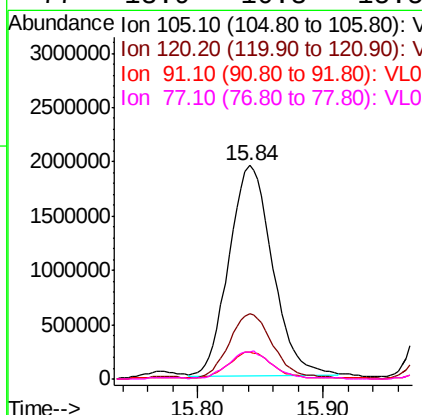
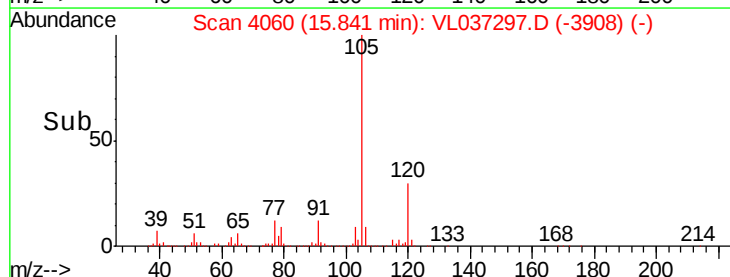
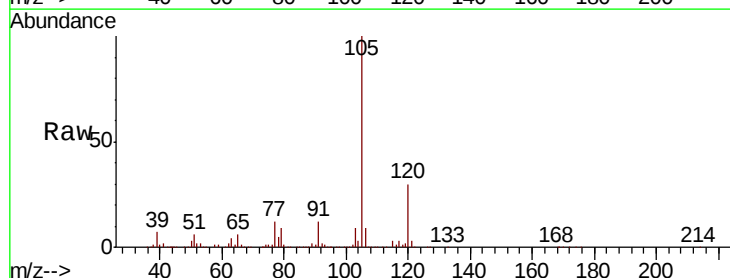
Instrument :
MSVOA_L
ClientSampleId :

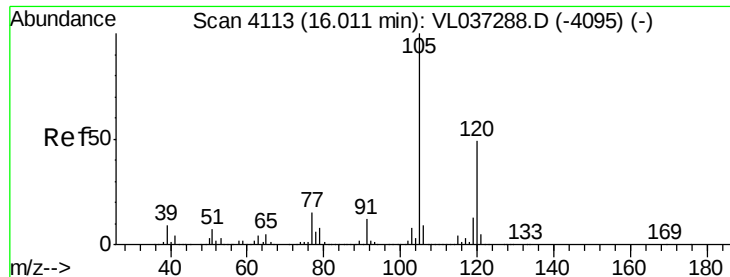
Tot Ion: 91 Resp: 3962211
Ion Ratio Lower Upper
91 100
126 34.9 13.8 55.2



#72
4-Ethyltoluene
Concen: 7.906 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL037297.D
Acq: 31 Jul 2021 00:36

Tgt Ion:105 Resp: 4688109
Ion Ratio Lower Upper
105 100
120 31.7 24.3 36.5
91 12.6 9.6 14.4
77 13.9 10.3 15.5

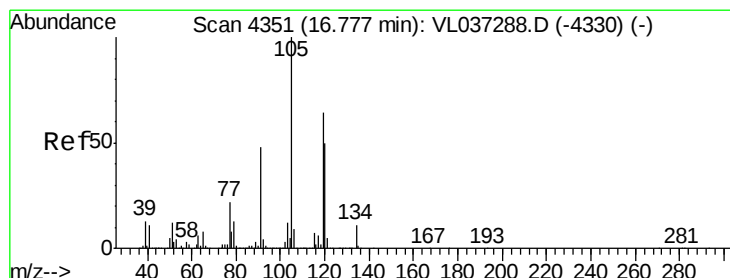
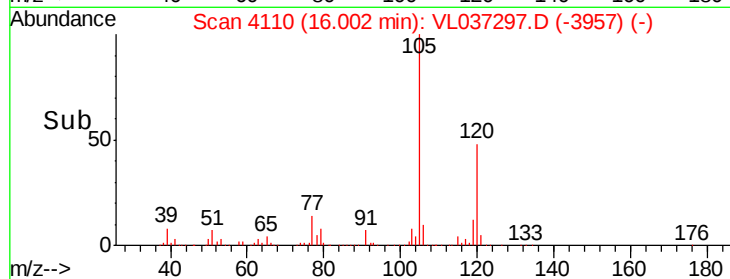
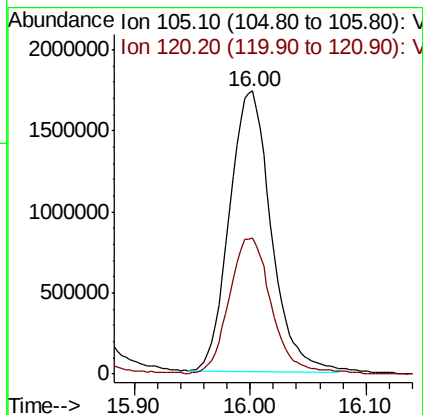
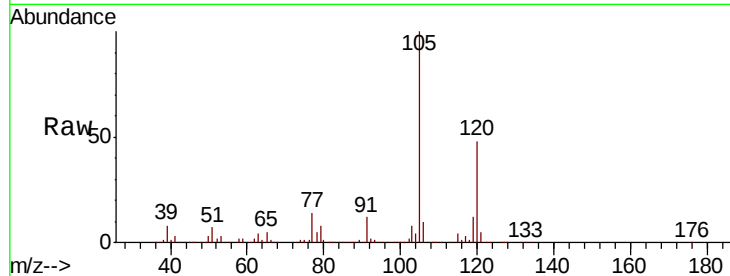




#73
 1,3,5-Trimethylbenzene
 Concen: 7.876 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

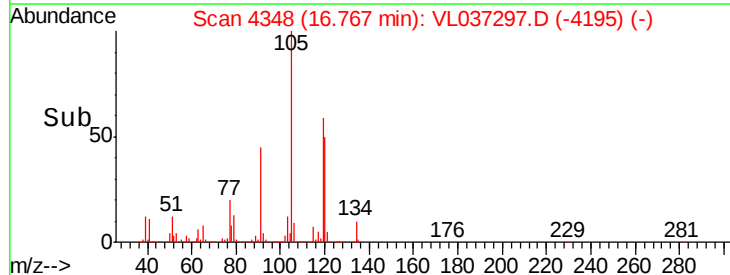
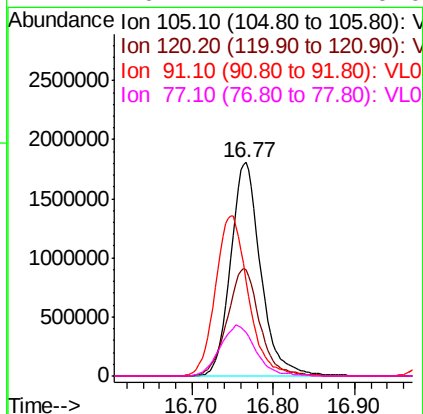
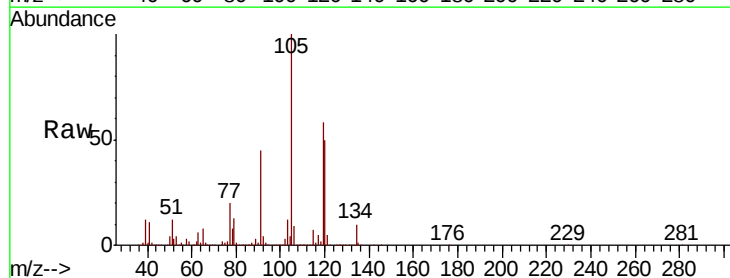
Instrument :
 MSVOA_L
 ClientSampleId :

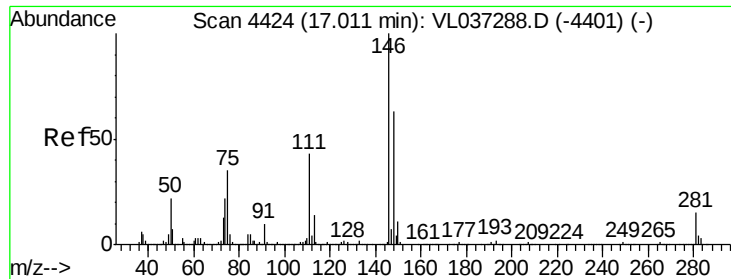
Tot Ion:105 Resp: 4313634
 Ion Ratio Lower Upper
 105 100
 120 48.4 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.692 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

Tgt Ion:105 Resp: 4644495
 Ion Ratio Lower Upper
 105 100
 120 49.7 40.2 60.4
 91 44.4 39.0 58.6
 77 20.2 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 8.078 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampled :

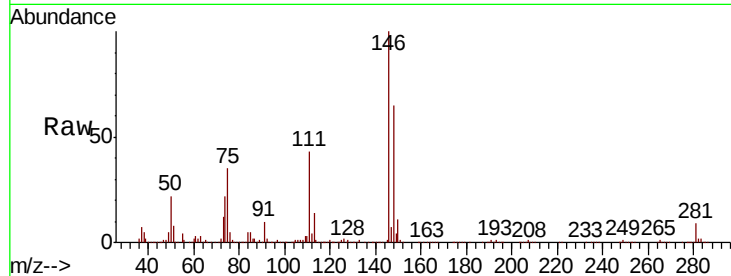
Tot Ion:146 Resp: 2932766

Ion Ratio Lower Upper

146 100

111 43.5 21.7 65.1

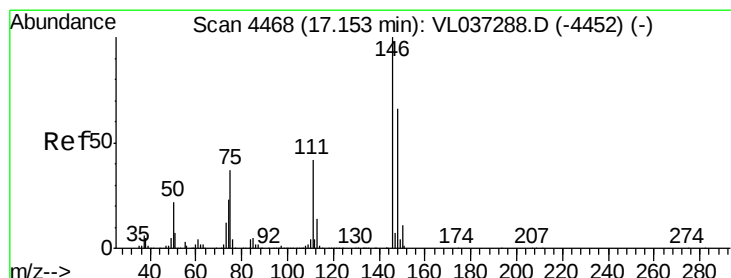
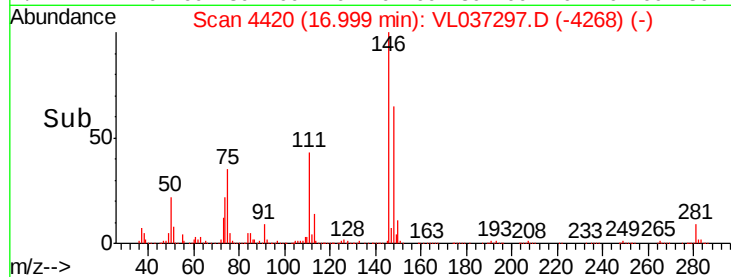
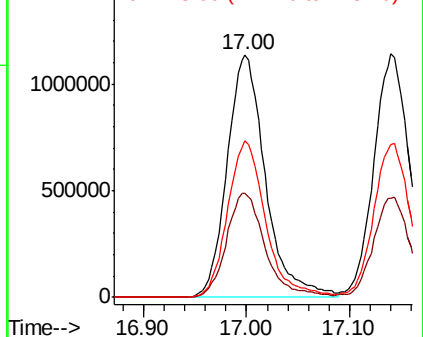
148 64.3 32.3 96.9



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: 7.717 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

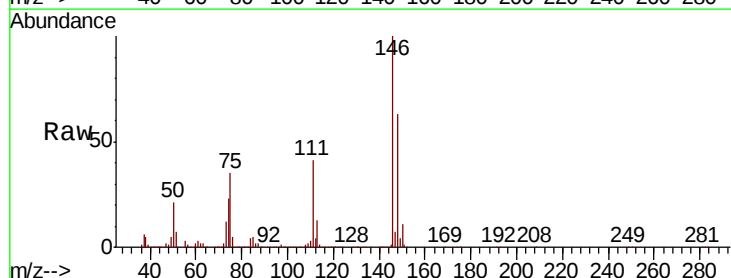
Tgt Ion:146 Resp: 2892483

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

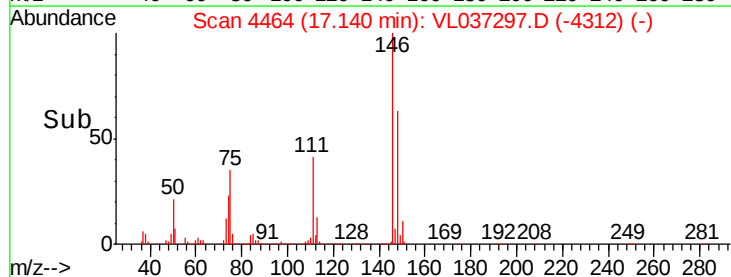
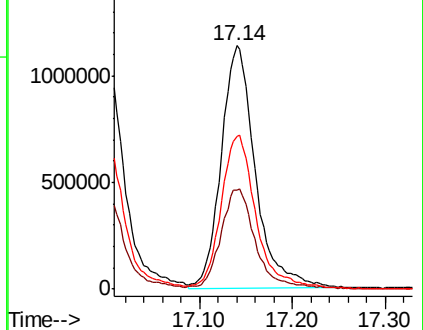
148 64.9 32.9 98.6

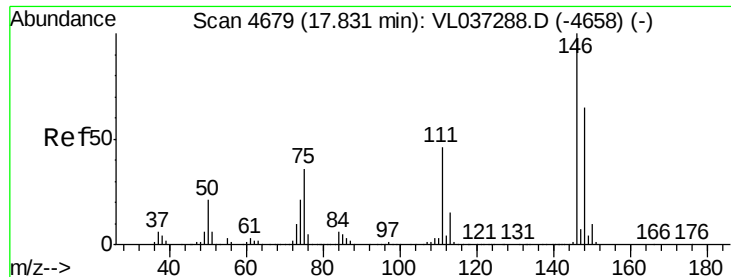


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



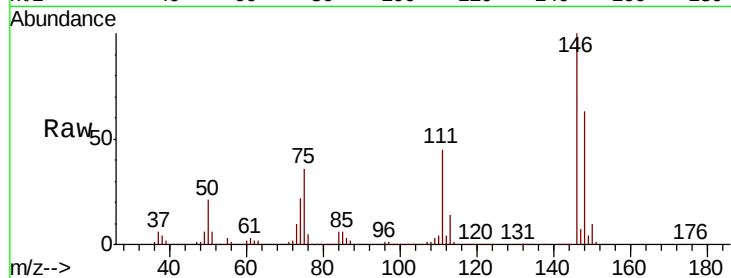


#77
 1,2-Dichlorobenzene
 Concen: 8.057 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

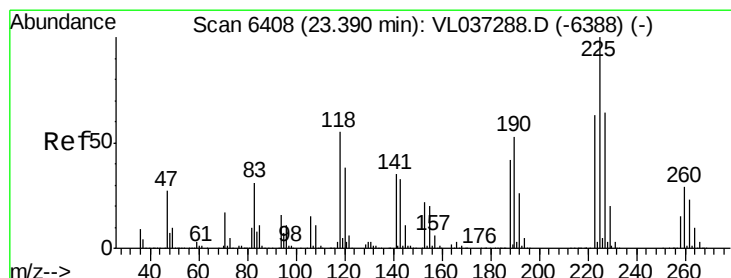
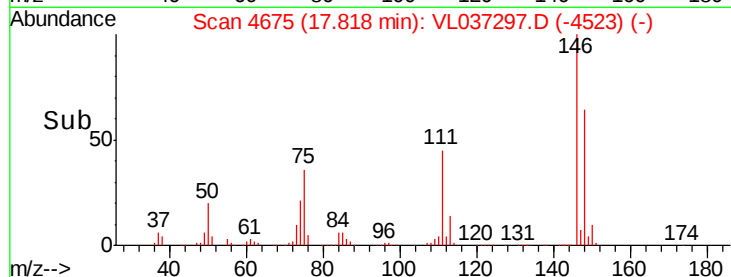
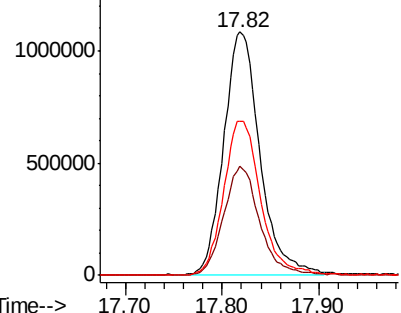
Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2807994

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.6	67.7
148	65.2	32.5	97.4



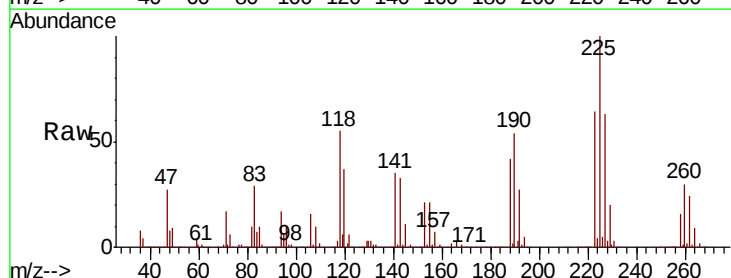
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



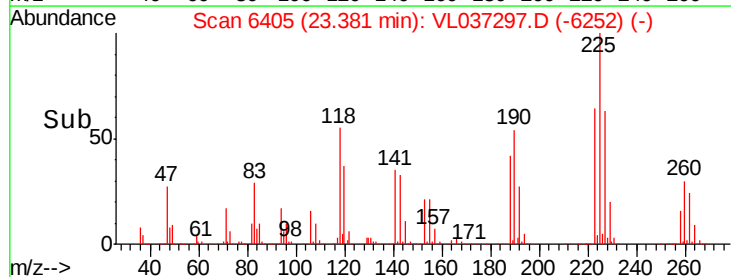
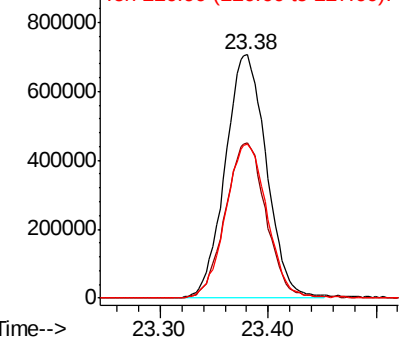
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.173 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL037297.D
 Acq: 31 Jul 2021 00:36

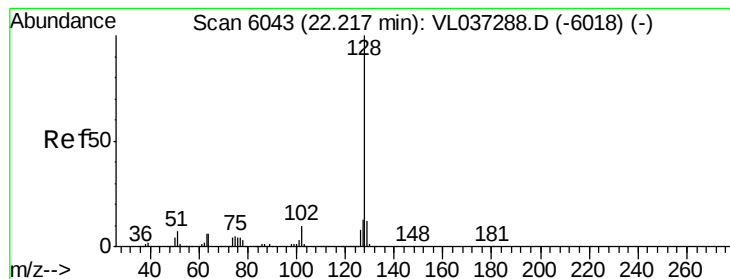
Tgt Ion:225 Resp: 1875333

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.7	77.5
227	64.1	51.8	77.8



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: 7.482 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.02 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

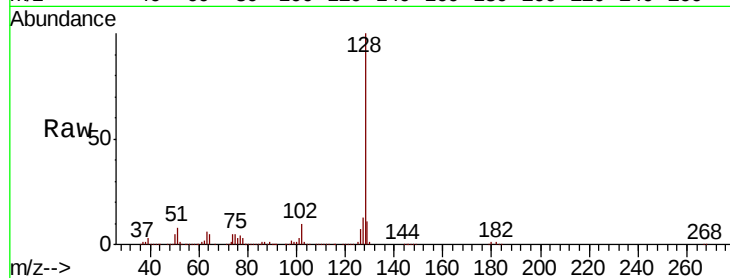
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3538082

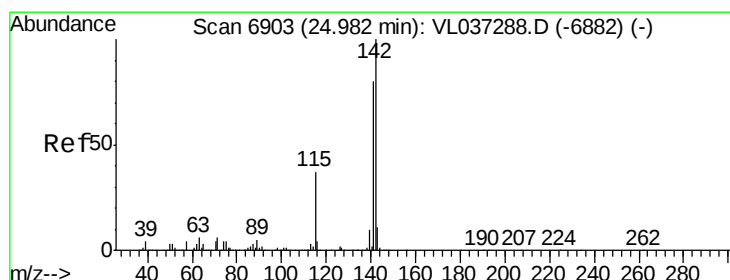
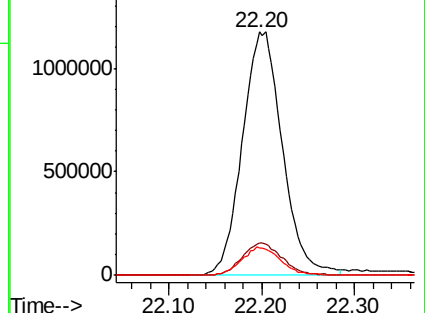
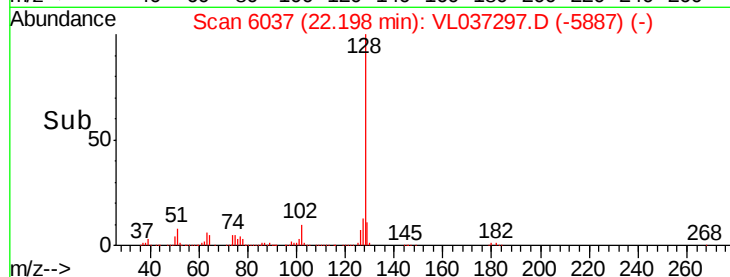
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.2	9.4	14.2



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: 5.982 ppbv

RT: 24.98 min Scan# 6901

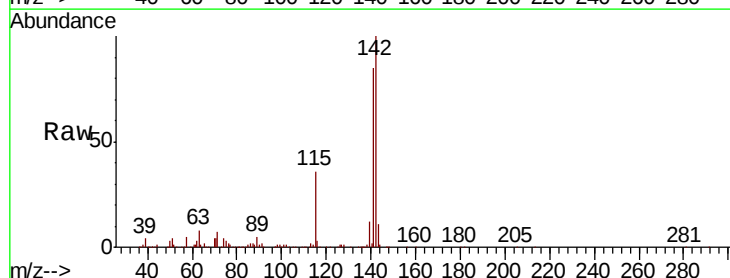
Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Tgt Ion:142 Resp: 813470

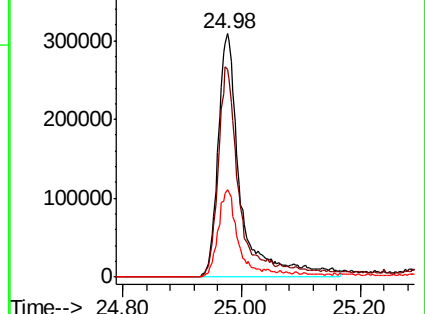
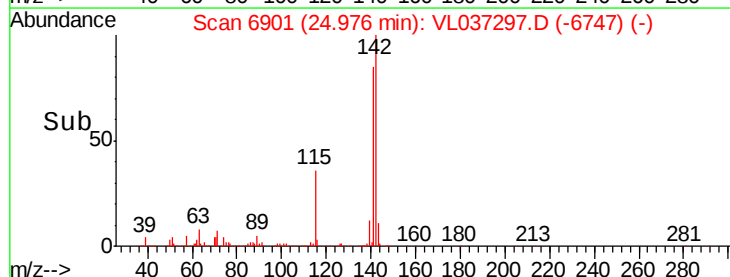
Ion	Ratio	Lower	Upper
142	100		
141	86.7	67.0	100.6
115	35.1	28.6	42.8

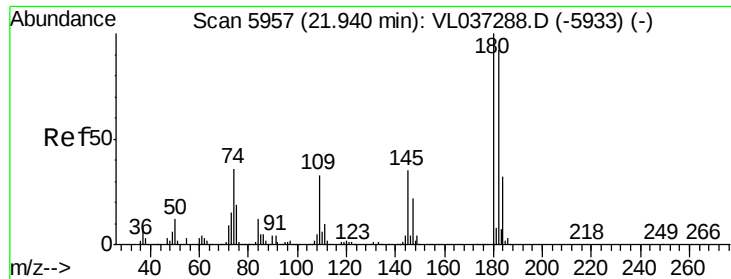


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.462 ppbv

RT: 21.93 min Scan# 5954

Delta R.T. -0.01 min

Lab File: VL037297.D

Acq: 31 Jul 2021 00:36

Instrument :

MSVOA_L

ClientSampleId :

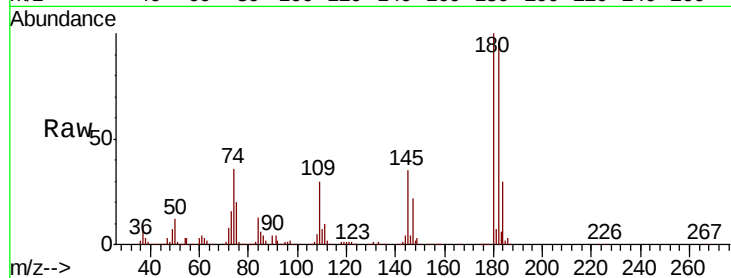
Tot Ion:180 Resp: 2129445

Ion Ratio Lower Upper

180 100

182 98.2 80.8 121.2

184 30.4 25.4 38.2



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

