

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037295.D
 Acq On : 30 Jul 2021 21:52
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 31 01:29:11 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	1288711	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3995600	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4765565	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2833711	8.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1493613	8.053 ppbv	99
3) Chlorodifluoromethane	2.98	51	2445574	9.470 ppbv	100
4) Chloromethane	3.13	50	876128	9.729 ppbv	99
5) Vinyl Chloride	3.25	62	950062	9.764 ppbv	94
6) Bromomethane	3.46	94	498718	9.038 ppbv	98
7) Chloroethane	3.55	64	338544	9.872 ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2080478	9.434 ppbv	100
9) Propene	3.00	41	840508	9.675 ppbv	98
10) Heptane	8.12	43	2077419	10.046 ppbv	99
11) Trichlorofluoromethane	3.94	101	2205688	9.574 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1628270	9.501 ppbv	98
13) Ethanol	3.60	45	39424	2.065 ppbv #	1
14) Bromoethene	3.73	108	708188	9.779 ppbv	97
15) Acetone	3.84	43	1267112	5.459 ppbv	100
16) 1,3-Butadiene	3.32	39	839987	9.647 ppbv	97
17) tert-Butyl alcohol	4.28	59	1498546	10.153 ppbv	99
18) 1,1-Dichloroethene	4.28	96	744098	9.879 ppbv	98
19) Isopropyl Alcohol	3.96	45	871531	9.705 ppbv	99
20) Methylene Chloride	4.34	84	659284	7.340 ppbv	96
21) Allyl Chloride	4.41	41	1079120	10.442 ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	751522	10.454 ppbv	99
23) Vinyl Acetate	5.07	43	1849701	9.444 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1463534	9.624 ppbv	99
25) Ethyl Acetate	5.67	43	3290217	9.769 ppbv	99
26) Hexane	5.68	57	1626440	9.036 ppbv	95
27) Carbon Disulfide	4.54	76	1711692	11.545 ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1591250	9.152 ppbv	99
29) Chloroform	5.75	83	2466950	9.565 ppbv	99
30) Cyclohexane	7.13	84	1453496	10.327 ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	1546444	10.138 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2537986	9.896 ppbv	99
34) 2-Butanone	5.24	43	1527685	8.911 ppbv	98
35) Carbon Tetrachloride	7.01	117	2657008	10.493 ppbv	99
36) Benzene	6.89	78	3401891	10.056 ppbv	98
37) 1,2-Dichloroethane	6.30	62	1812363	10.284 ppbv	99
38) Trichloroethene	7.83	130	1493368	9.782 ppbv	98
39) 1,2-Dichloropropane	7.61	63	1281162	10.071 ppbv	99
40) 1,4-Dioxane	7.83	88	317827	8.672 ppbv	84
41) Tetrahydrofuran	6.05	42	768408	11.154 ppbv	100
42) Bromodichloromethane	7.79	83	2625053	10.678 ppbv	96
43) Methyl Methacrylate	8.01	69	1227874	10.920 ppbv	99

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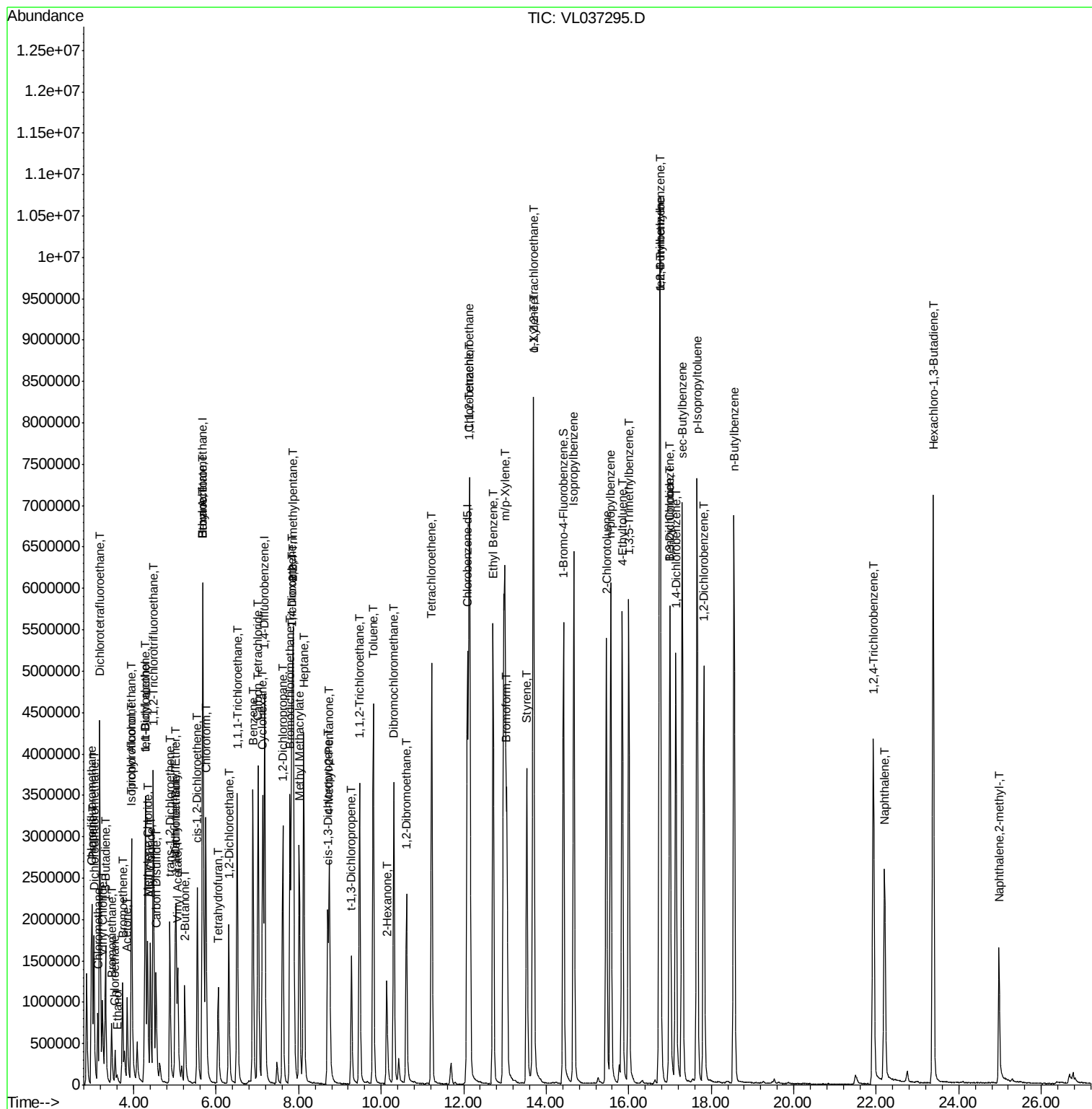
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5465619	9.883	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1014827	10.770	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1358680	10.691	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1432371	10.037	ppbv	99
48) Dibromochloromethane	10.30	129	2462401	11.270	ppbv	100
49) Bromoform	13.04	173	2084636	12.282	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2341097	10.783	ppbv	99
51) 2-Hexanone	10.14	43	1225931	12.230	ppbv	99
52) Tetrachloroethene	11.22	164	1427977	9.576	ppbv	97
53) Toluene	9.81	91	4083335	10.267	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2074187	10.280	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1715698	8.225	ppbv	96
57) Chlorobenzene	12.15	112	3141919	7.882	ppbv	99
58) Ethyl Benzene	12.71	91	5400279	8.242	ppbv	99
59) m/p-Xylene	13.00	91	4651945	8.247	ppbv #	34
60) o-Xylene	13.70	91	4297698	7.973	ppbv	100
61) Styrene	13.53	104	2520277	9.147	ppbv	100
62) Isopropylbenzene	14.67	105	6097906	8.009	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2954494	7.771	ppbv	100
64) n-propylbenzene	15.56	120	1656444	8.390	ppbv	98
65) tert-Butylbenzene	16.75	119	5571402	7.906	ppbv	100
66) Benzyl Chloride	17.00	91	109089	3.150	ppbv #	67
67) sec-Butylbenzene	17.30	105	7403547	7.946	ppbv	100
69) p-Isopropyltoluene	17.66	119	6456510	8.094	ppbv	100
70) n-Butylbenzene	18.55	91	6067533	8.061	ppbv	100
71) 2-Chlorotoluene	15.46	91	4394652	8.099	ppbv	100
72) 4-Ethyltoluene	15.84	105	5359605	8.397	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4794133	8.132	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	5002894	7.698	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3130014	8.009	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3121673	7.737	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3018467	8.046	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1944960	6.911	ppbv	100
79) Naphthalene	22.20	128	3722511	7.313	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1248945	8.533	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1100248	3.582	ppbv #	10

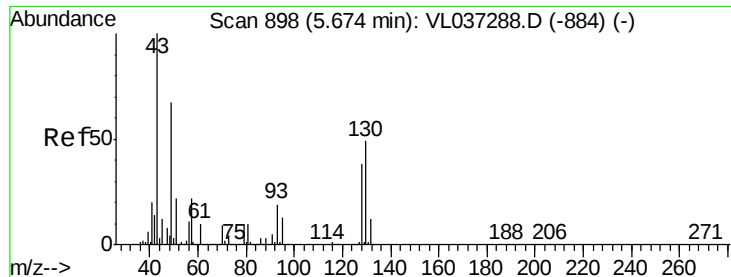
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :

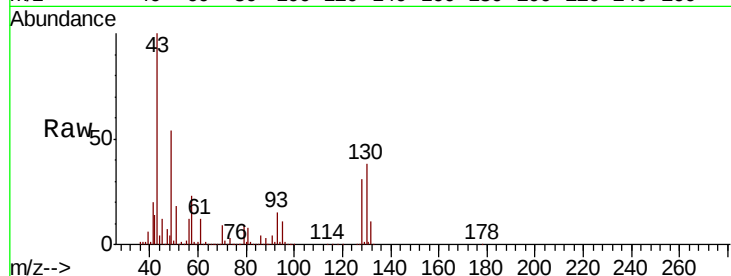
Tot Ion: 49 Resp: 1288711

Ion Ratio Lower Upper

49 100

128 60.4 30.6 92.0

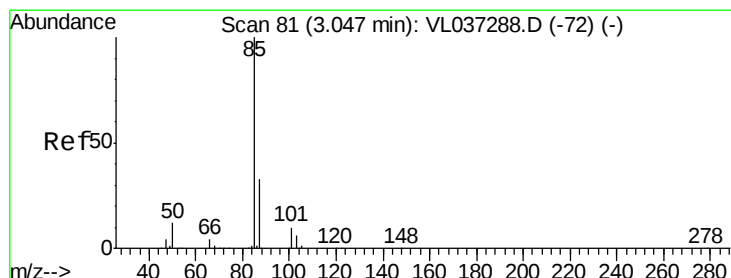
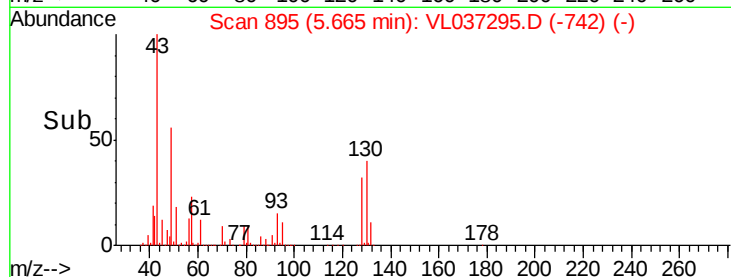
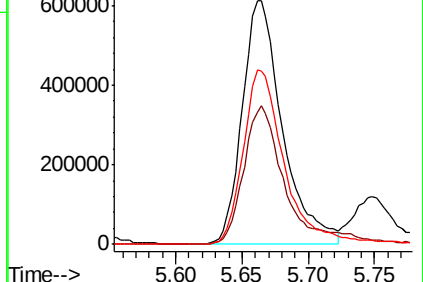
130 74.8 37.8 113.4



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: 8.053 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037295.D

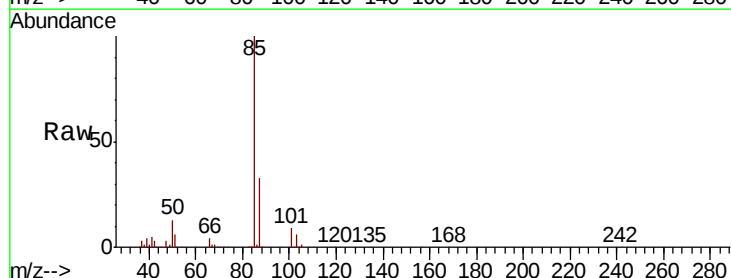
Acq: 30 Jul 2021 21:52

Tgt Ion: 85 Resp: 1493613

Ion Ratio Lower Upper

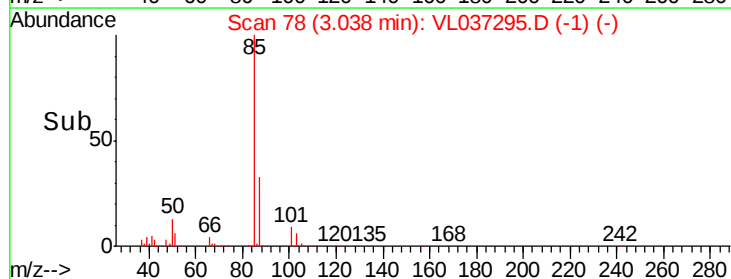
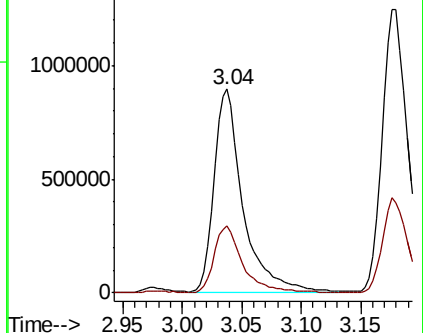
85 100

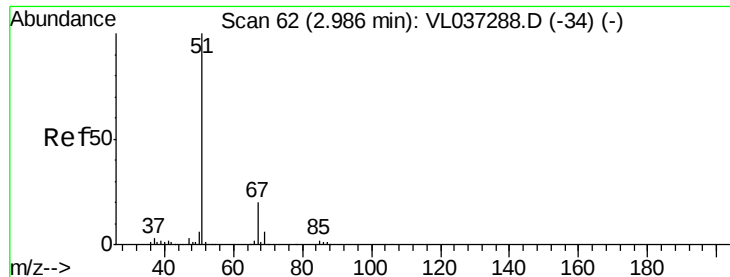
87 32.9 26.6 40.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

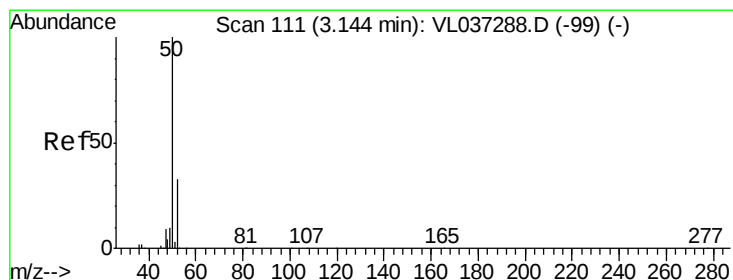
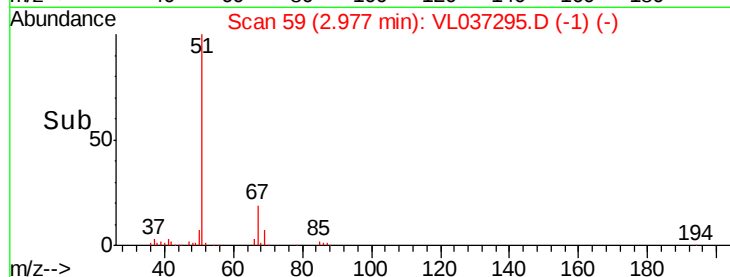
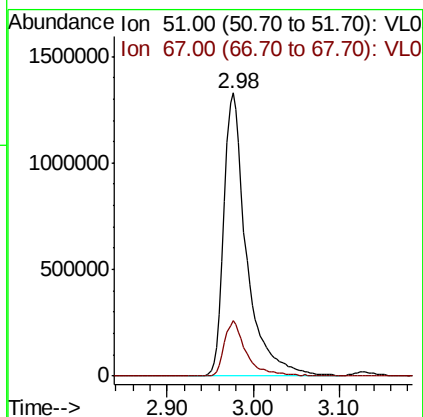
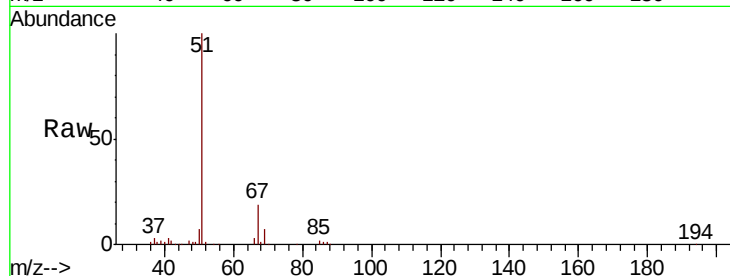




#3
Chlorodifluoromethane
Concen: 9.470 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

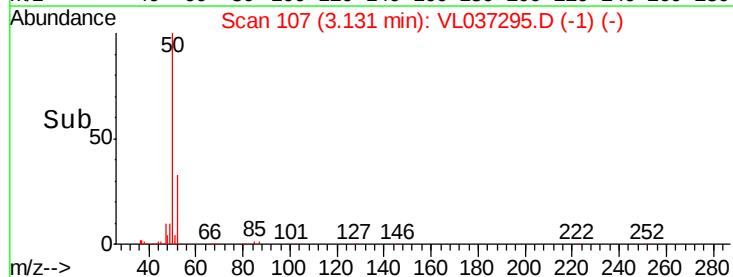
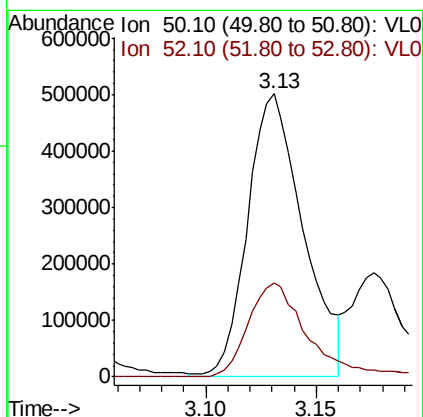
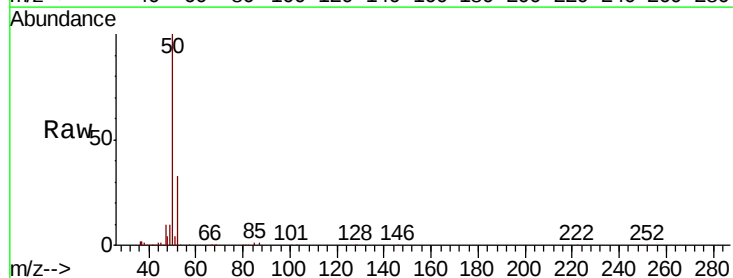
Instrument :
MSVOA_L
ClientSampleId :

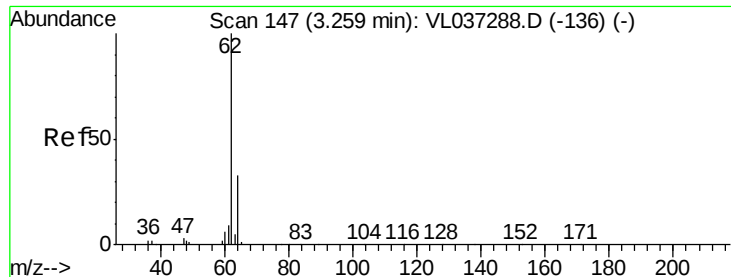
Tot Ion: 51 Resp: 2445574
Ion Ratio Lower Upper
51 100
67 19.0 15.2 22.8



#4
Chloromethane
Concen: 9.729 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 50 Resp: 876128
Ion Ratio Lower Upper
50 100
52 33.5 26.2 39.4





#5

Vinyl Chloride

Concen: 9.764 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

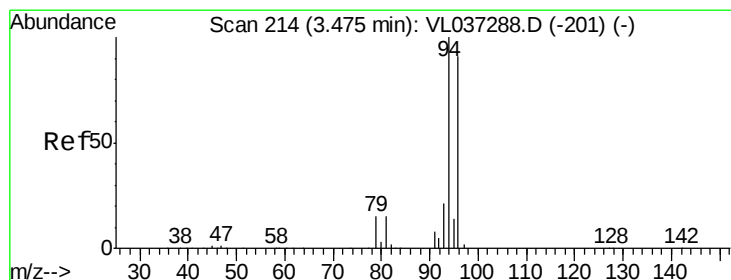
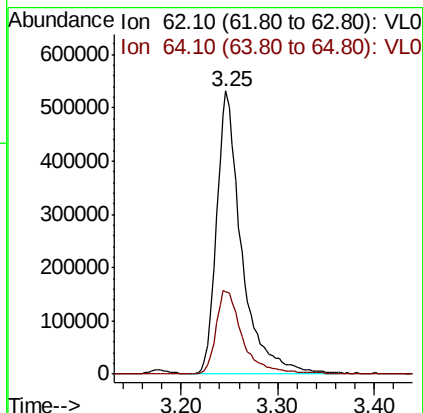
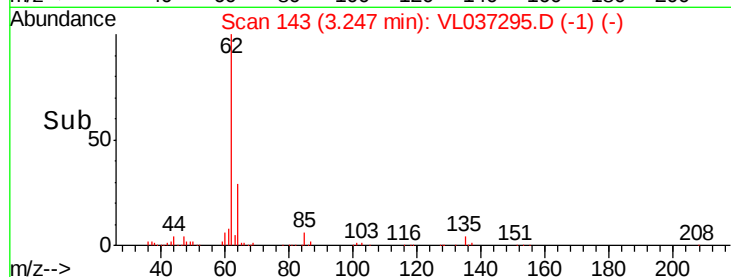
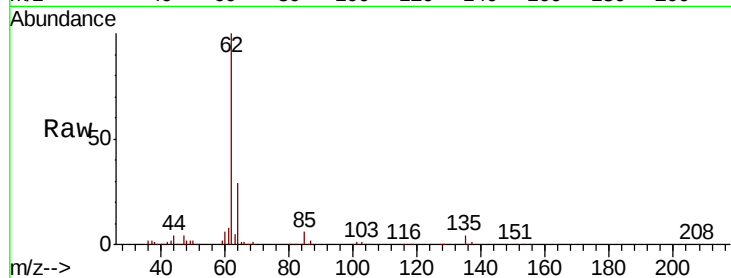
ClientSampled :

Tot Ion: 62 Resp: 950062

Ion Ratio Lower Upper

62 100

64 29.2 26.1 39.1



#6

Bromomethane

Concen: 9.038 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037295.D

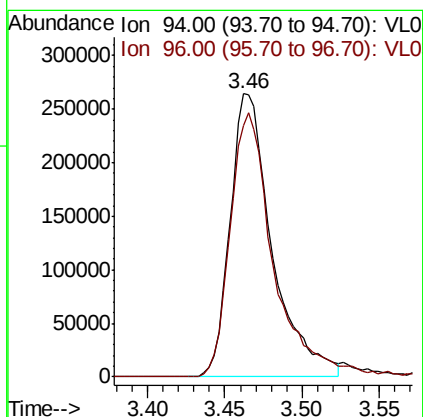
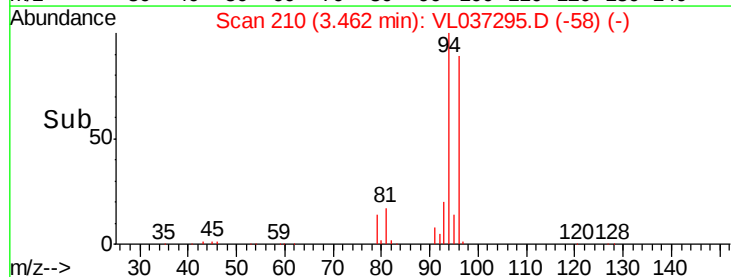
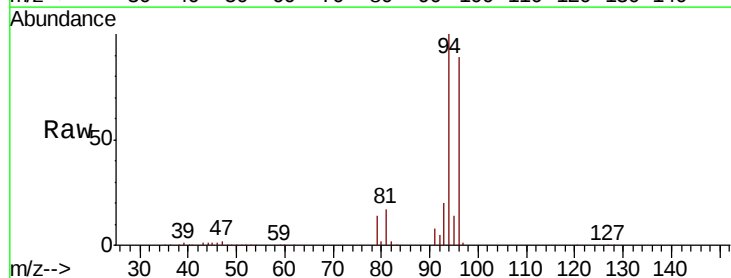
Acq: 30 Jul 2021 21:52

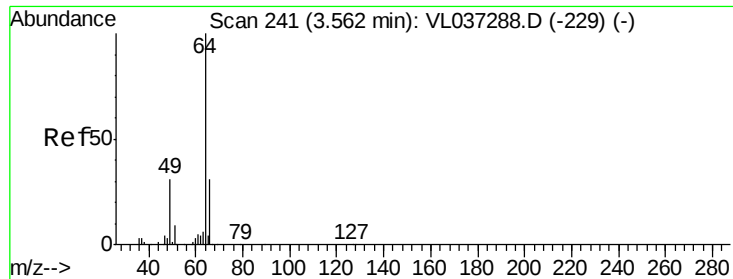
Tgt Ion: 94 Resp: 498718

Ion Ratio Lower Upper

94 100

96 88.7 72.7 109.1





#7

Chloroethane

Concen: 9.872 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

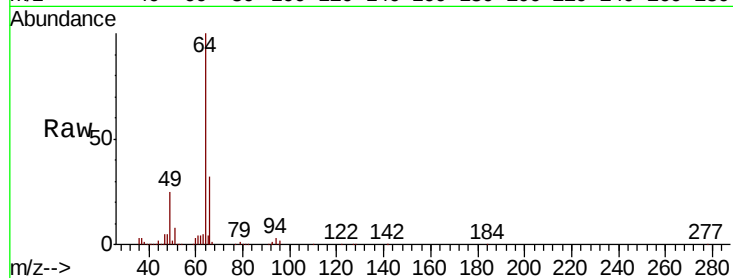
ClientSampleId :

Tot Ion: 64 Resp: 338544

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

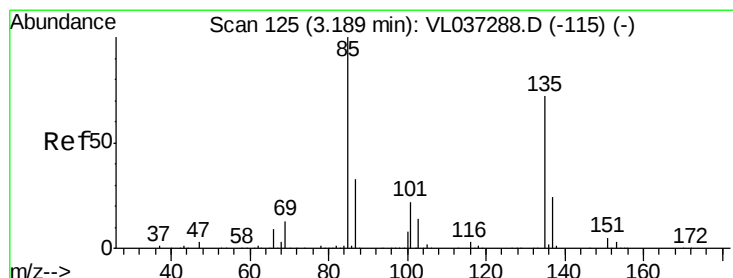
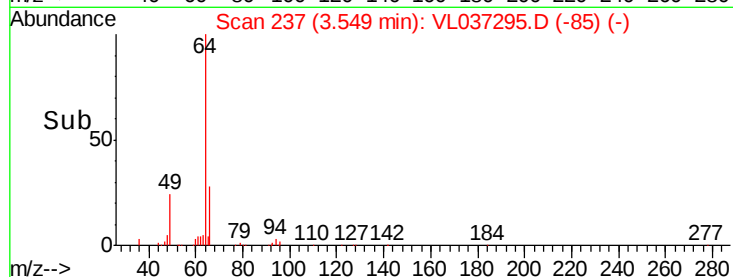
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.434 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037295.D

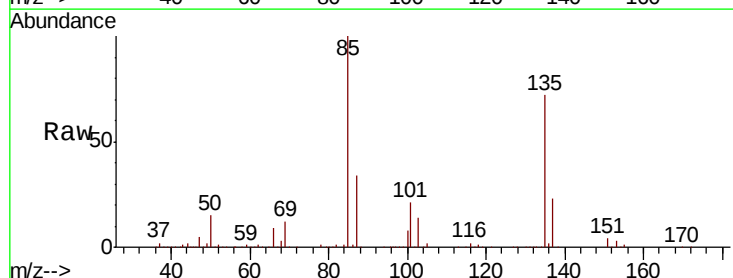
Acq: 30 Jul 2021 21:52

Tgt Ion: 85 Resp: 2080478

Ion Ratio Lower Upper

85 100

135 76.0 61.0 91.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

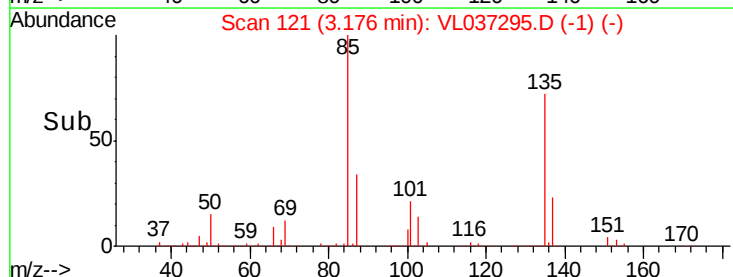
3.18

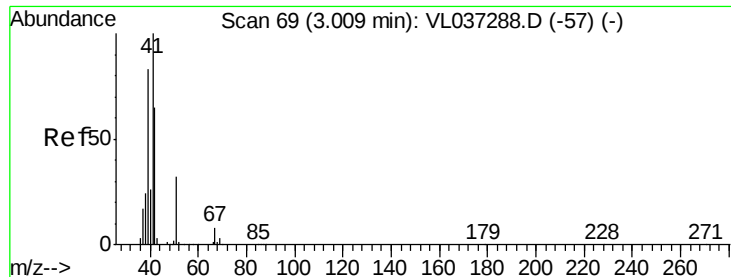
1000000

500000

0

Time-->





#9

Propene

Concen: 9.675 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

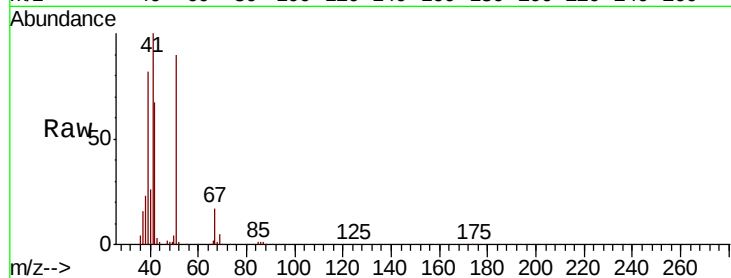
ClientSampleId :

Tot Ion: 41 Resp: 840508

Ion Ratio Lower Upper

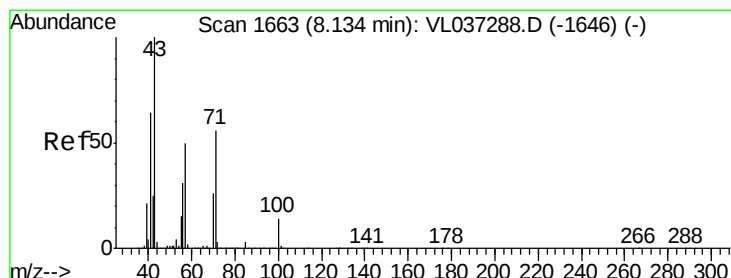
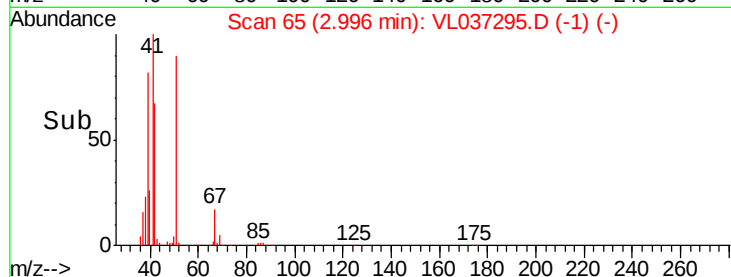
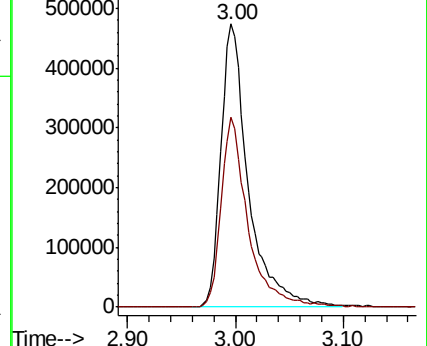
41 100

42 65.9 54.0 81.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.046 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL037295.D

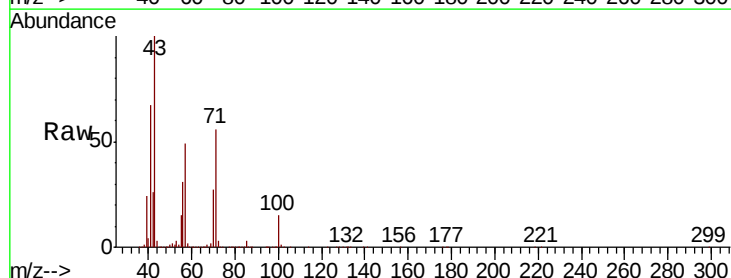
Acq: 30 Jul 2021 21:52

Tgt Ion: 43 Resp: 2077419

Ion Ratio Lower Upper

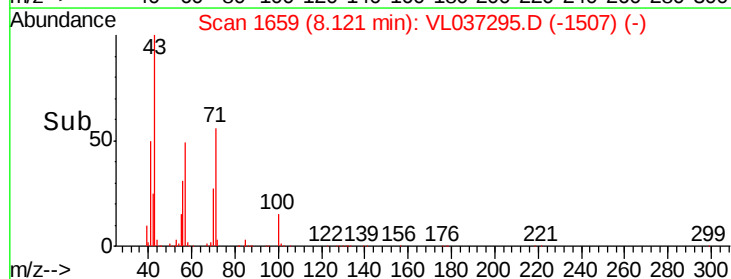
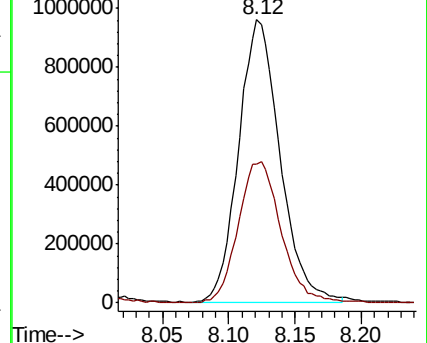
43 100

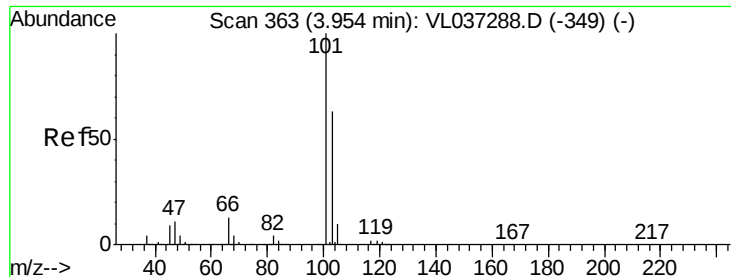
57 51.9 40.9 61.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

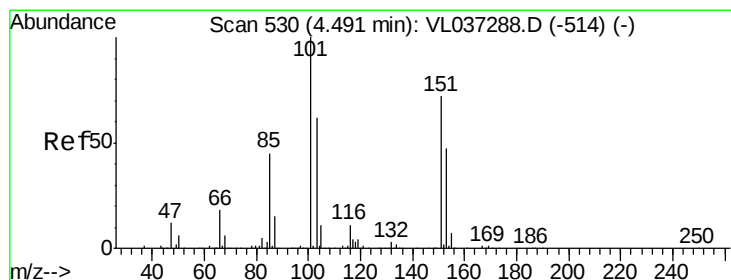
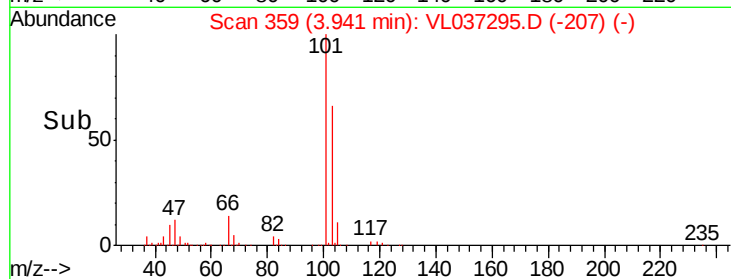
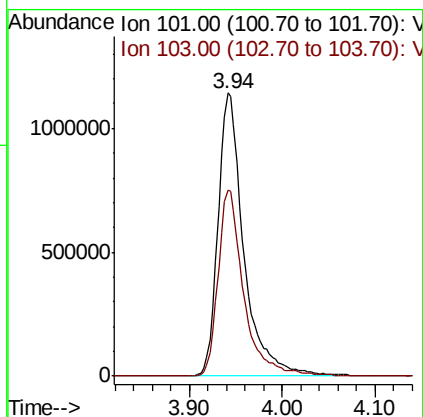
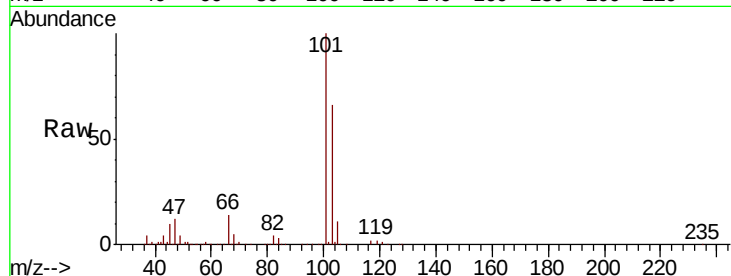




#11
 Trichlorofluoromethane
 Concen: 9.574 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

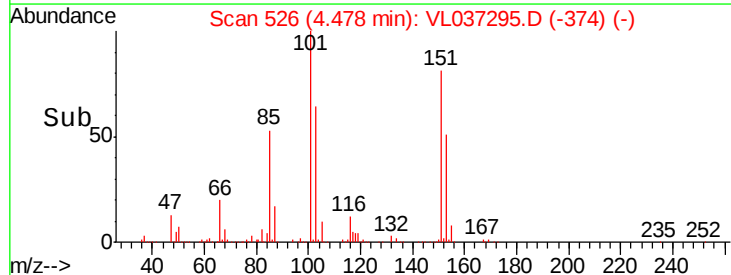
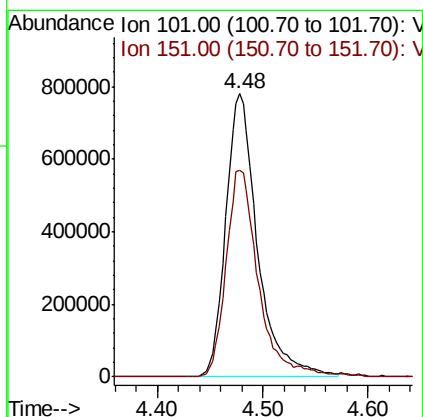
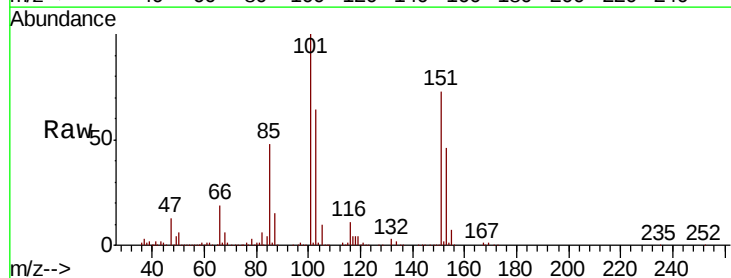
Instrument :
 MSVOA_L
 ClientSampleId :

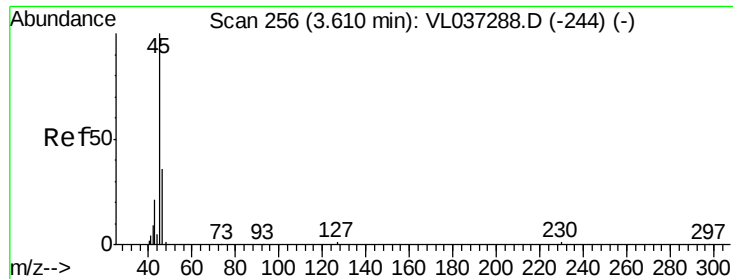
Tot Ion:101 Resp: 2205688
 Ion Ratio Lower Upper
 101 100
 103 65.9 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.501 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion:101 Resp: 1628270
 Ion Ratio Lower Upper
 101 100
 151 74.7 61.4 92.0

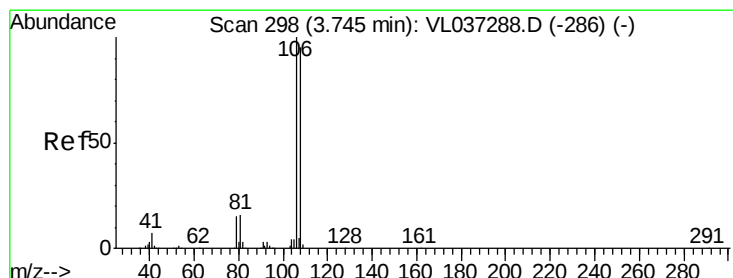
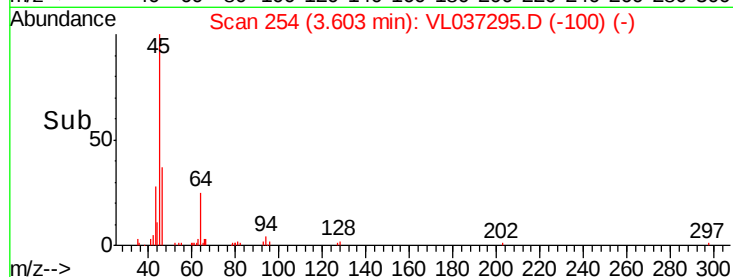
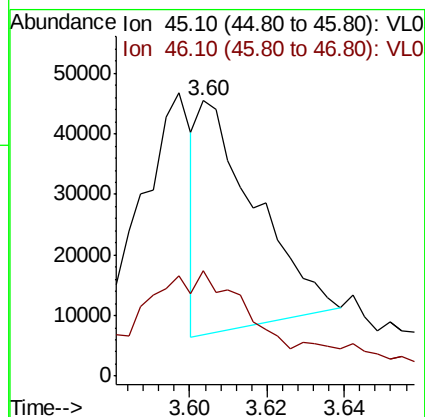
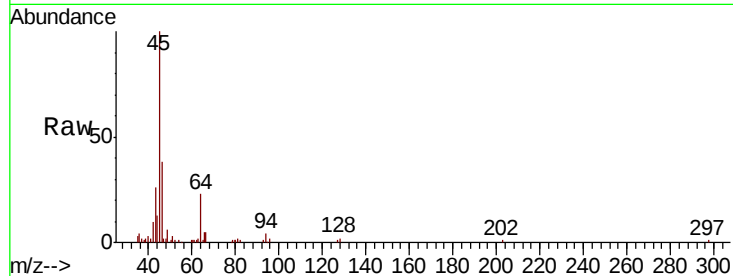




#13
Ethanol
Concen: 2.065 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

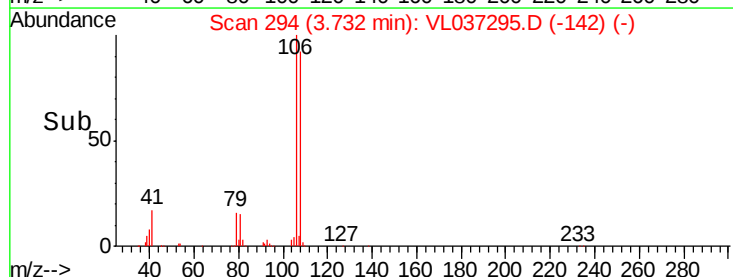
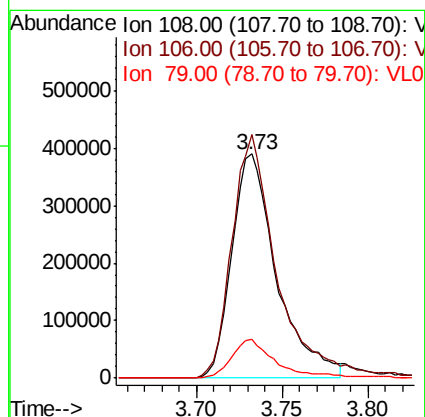
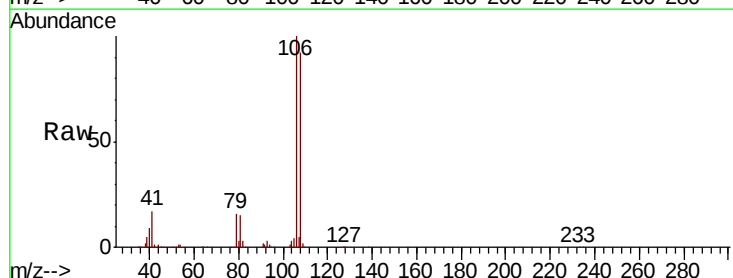
Instrument :
MSVOA_L
ClientSampleId :

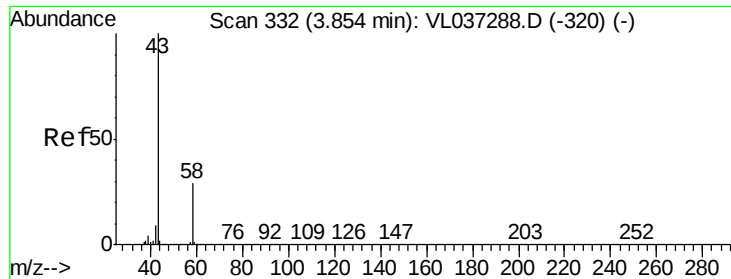
Tot Ion: 45 Resp: 39424
Ion Ratio Lower Upper
45 100
46 114.0 16.2 64.8#



#14
Bromoethene
Concen: 9.779 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 108 Resp: 708188
Ion Ratio Lower Upper
108 100
106 110.9 86.2 129.2
79 17.7 13.3 19.9





#15

Acetone

Concen: 5.459 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

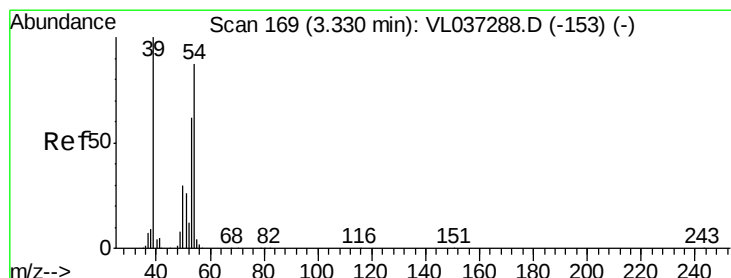
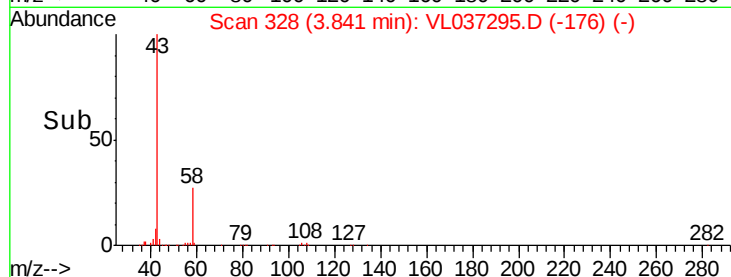
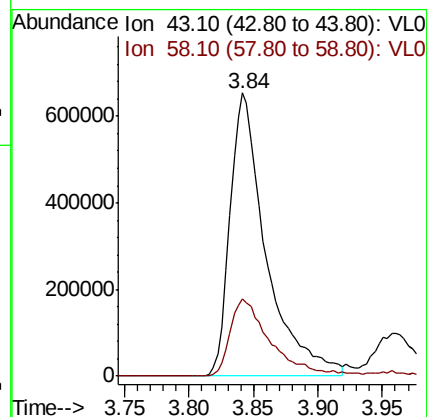
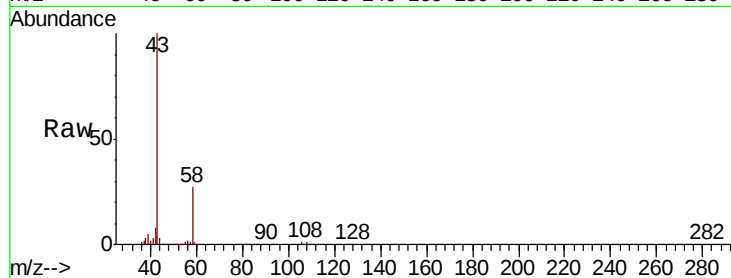
ClientSampleId :

Tot Ion: 43 Resp: 1267112

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4



#16

1,3-Butadiene

Concen: 9.647 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL037295.D

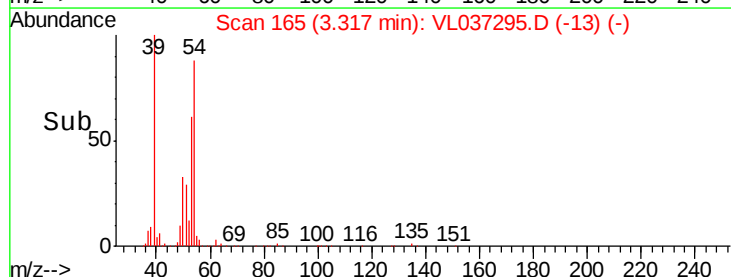
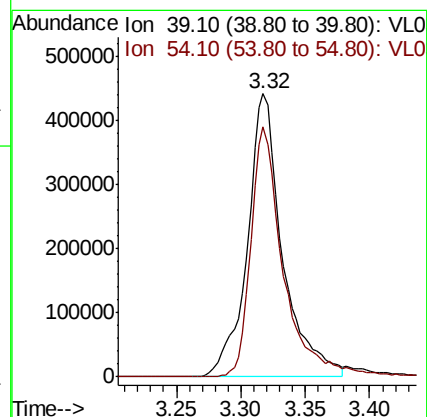
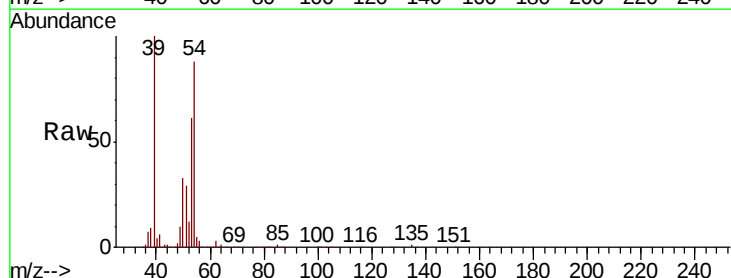
Acq: 30 Jul 2021 21:52

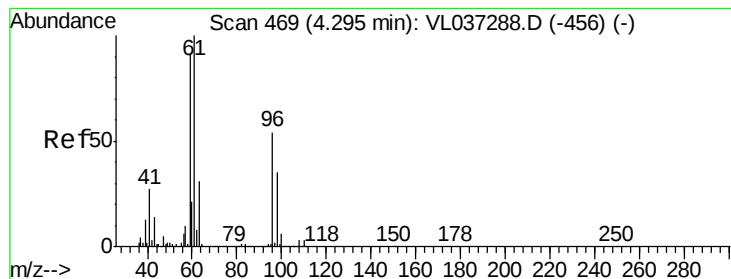
Tgt Ion: 39 Resp: 839987

Ion Ratio Lower Upper

39 100

54 82.3 63.9 95.9



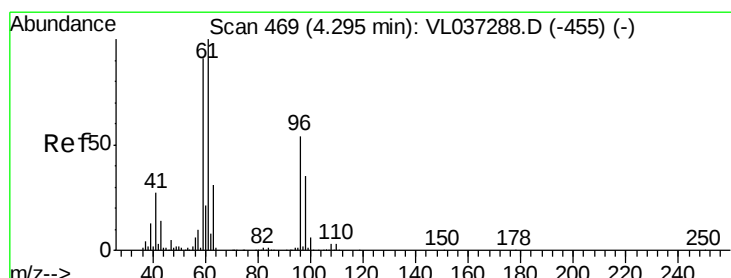
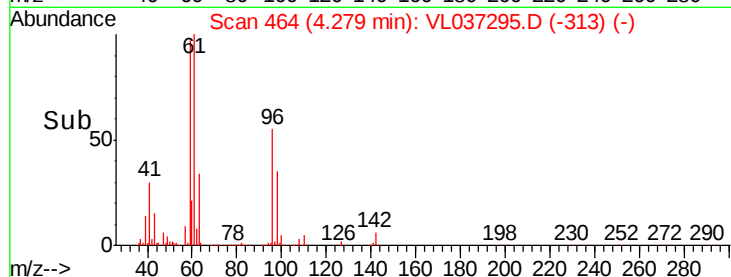
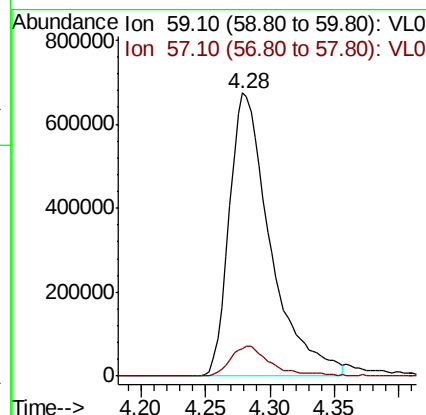
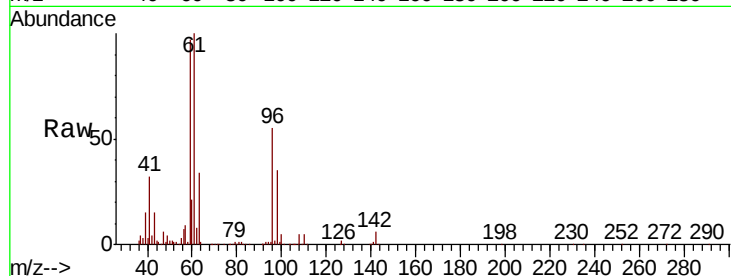


#17

tert-Butyl alcohol
 Concen: 10.153 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Instrument :
 MSVOA_L
 ClientSampled :

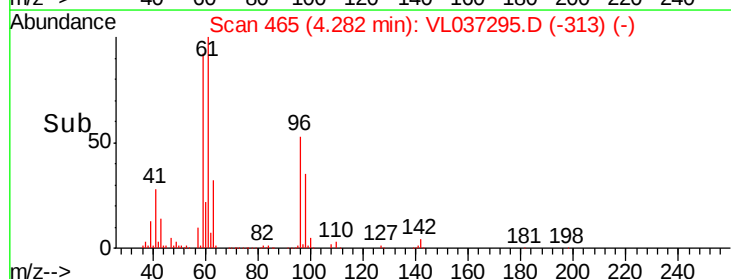
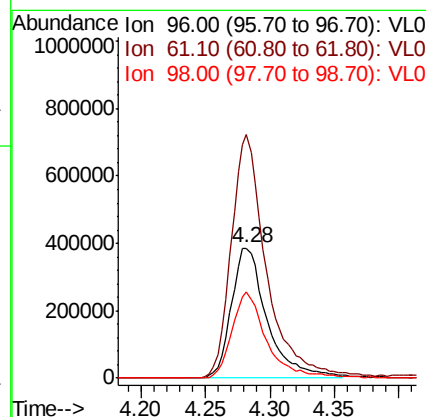
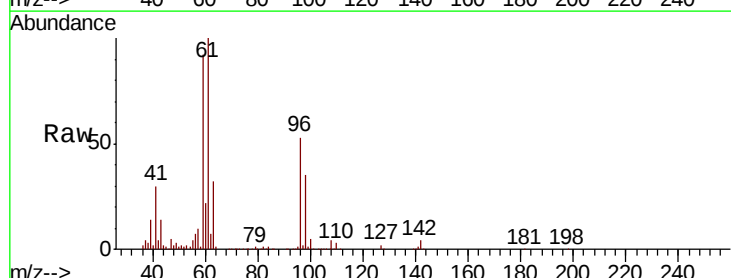
Tot Ion: 59 Resp: 1498546
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.6 13.0

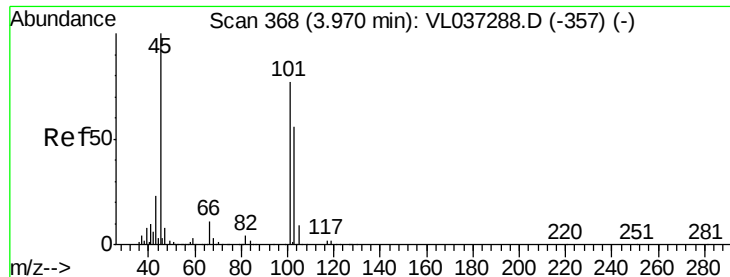


#18

1,1-Dichloroethene
 Concen: 9.879 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 96 Resp: 744098
 Ion Ratio Lower Upper
 96 100
 61 187.7 148.3 222.5
 98 66.0 51.4 77.0





#19

Isopropyl Alcohol

Concen: 9.705 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

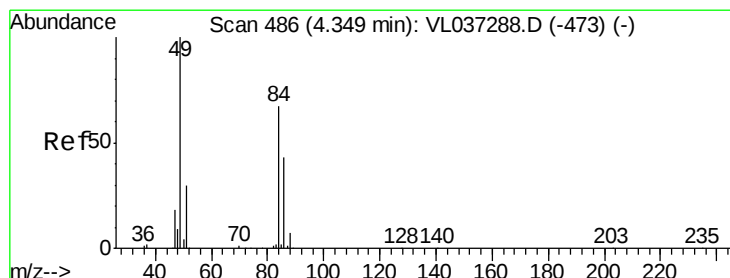
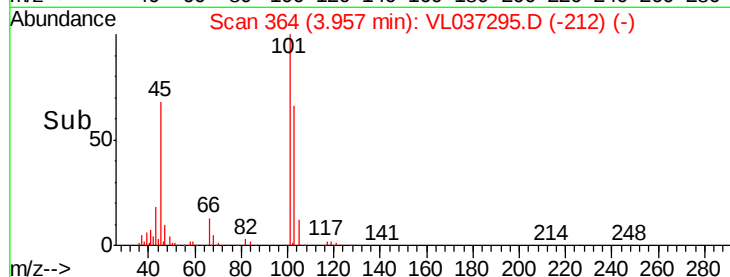
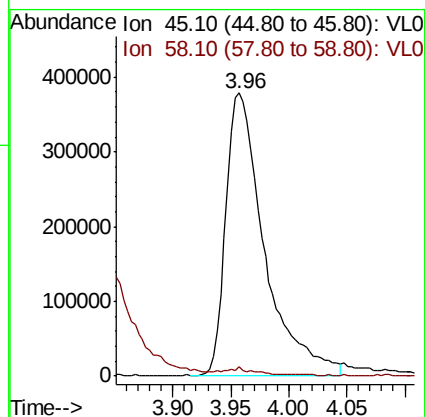
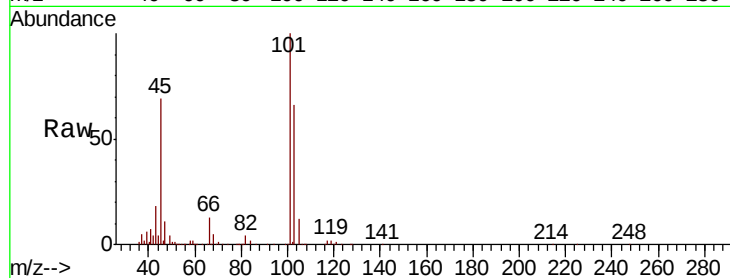
ClientSampleId :

Tot Ion: 45 Resp: 871531

Ion Ratio Lower Upper

45 100

58 3.0 2.2 3.2



#20

Methylene Chloride

Concen: 7.340 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Tgt Ion: 84 Resp: 659284

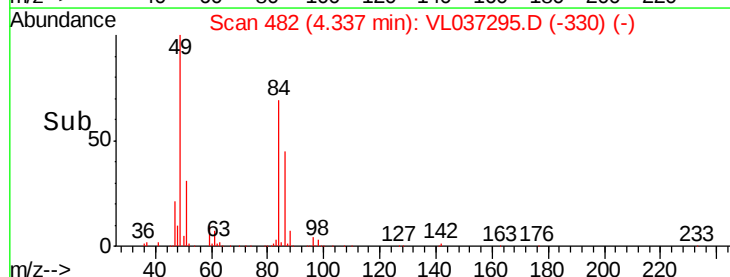
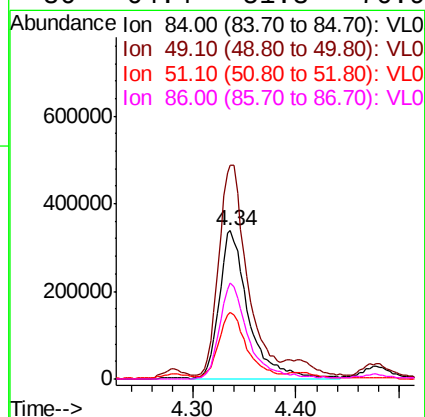
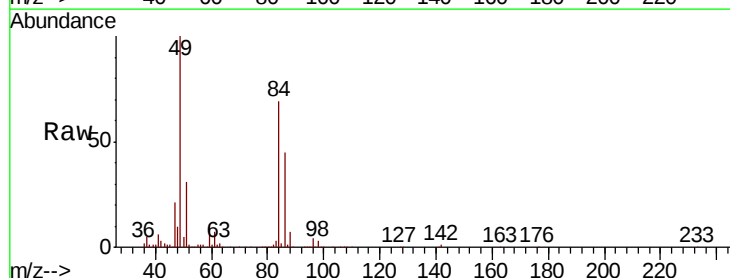
Ion Ratio Lower Upper

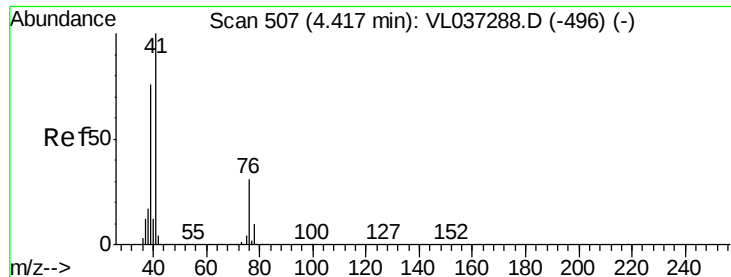
84 100

49 141.8 120.2 180.4

51 44.1 36.5 54.7

86 64.4 51.3 76.9





#21

Allvl Chloride

Concen: 10.442 ppbv

RT: 4.41 min Scan# 504

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

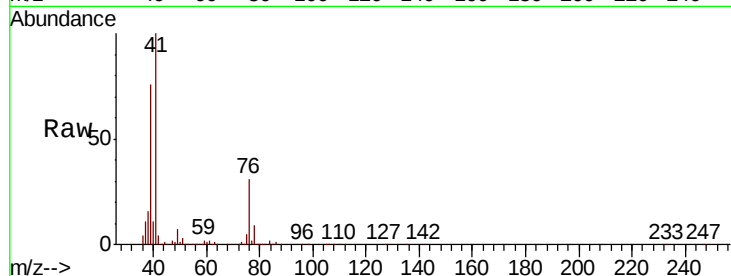
Tot Ion: 41 Resp: 1079120

Ion Ratio Lower Upper

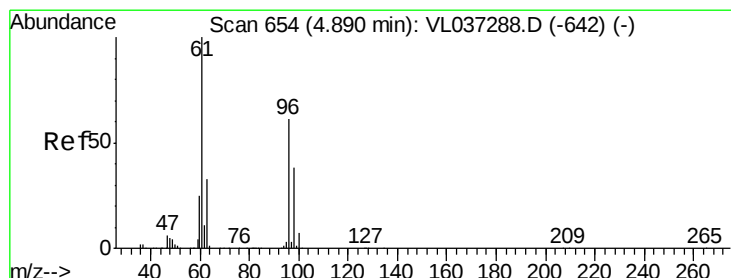
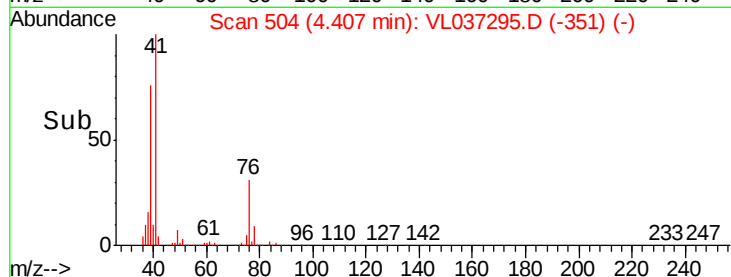
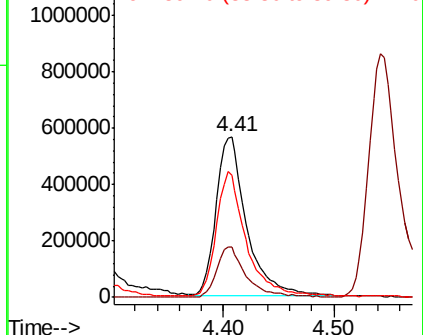
41 100

76 31.0 24.7 37.1

39 77.1 64.5 96.7



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



#22

trans-1,2-Dichloroethene

Concen: 10.454 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

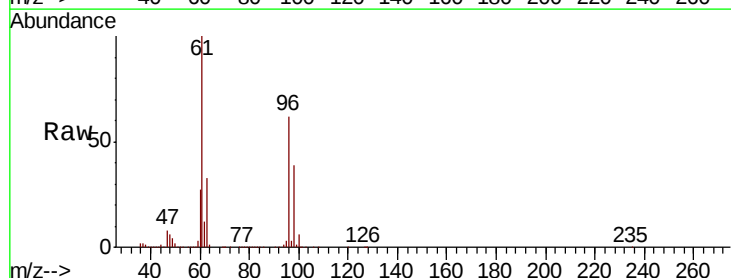
Tgt Ion: 96 Resp: 751522

Ion Ratio Lower Upper

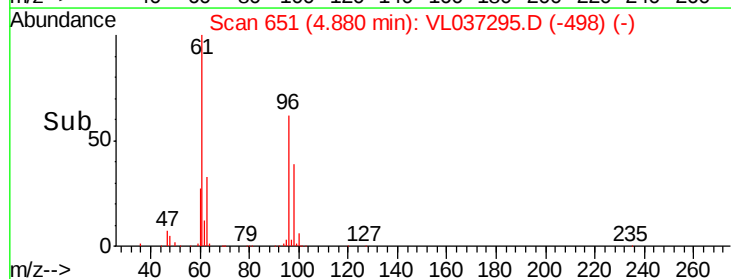
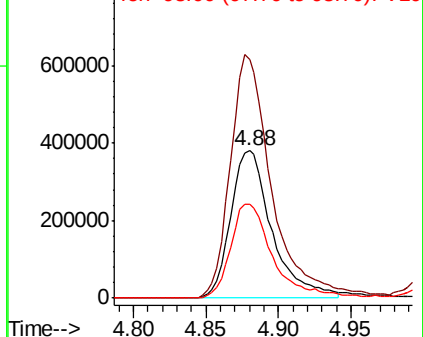
96 100

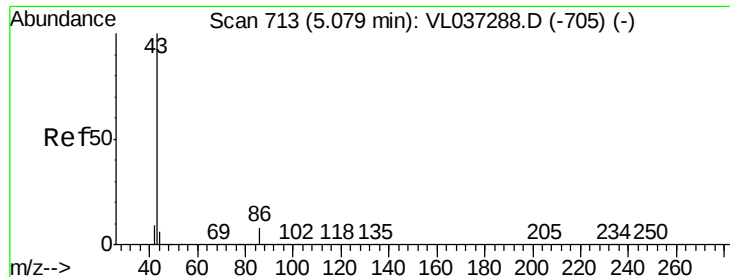
61 162.3 131.1 196.7

98 63.7 49.9 74.9



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





#23

Vinyl Acetate

Concen: 9.444 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1849701

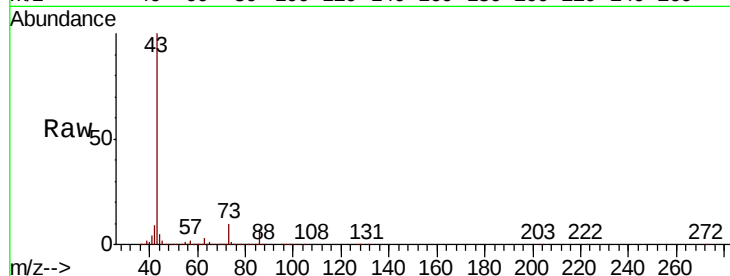
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.7	8.5
42	9.0	8.1	12.1
44	4.8	4.1	6.1

43 100

86 7.3 5.7 8.5

42 9.0 8.1 12.1

44 4.8 4.1 6.1



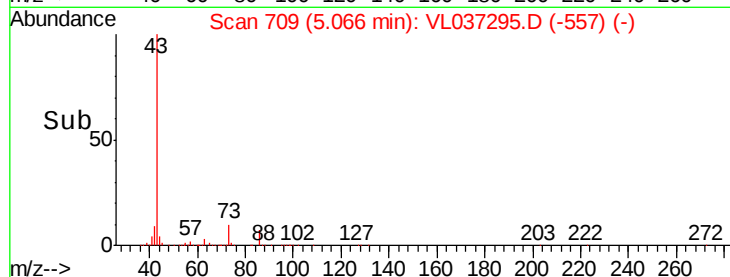
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

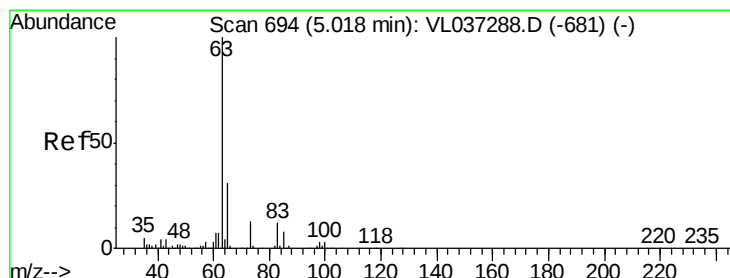
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 9.624 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

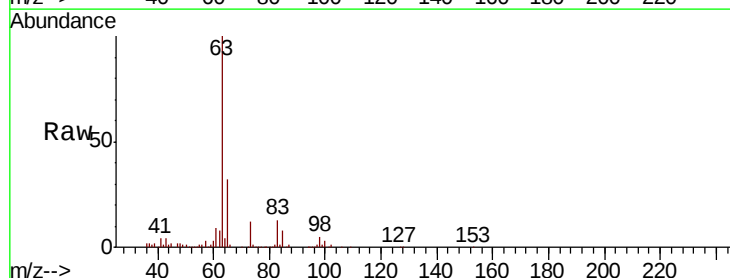
Tgt Ion: 63 Resp: 1463534

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	5.8
100	2.7	1.4	4.2

63 100

98 4.5 2.0 5.8

100 2.7 1.4 4.2

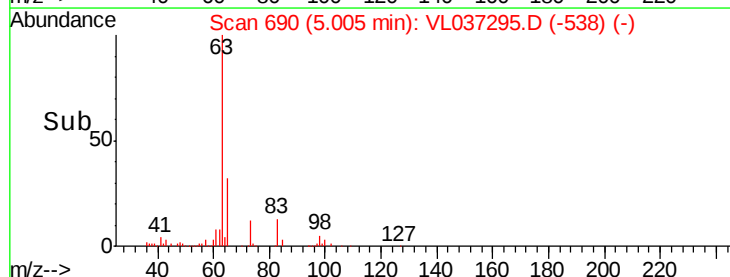


Abundance Ion 63.10 (62.80 to 63.80): VL0

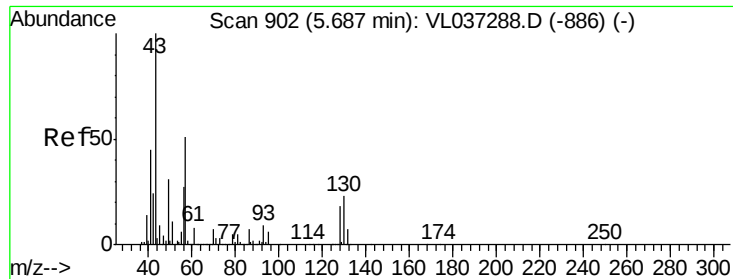
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



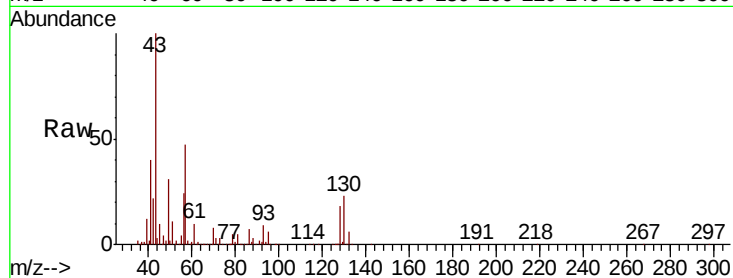
Time-->



#25
Ethyl Acetate
Concen: 9.769 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	3290217
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.4	11.2
61	9.9	7.8	11.6
70	7.1	5.4	8.2



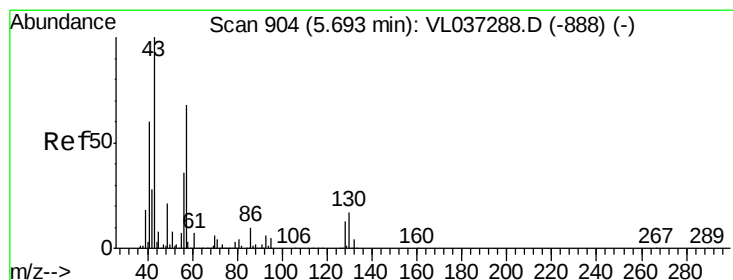
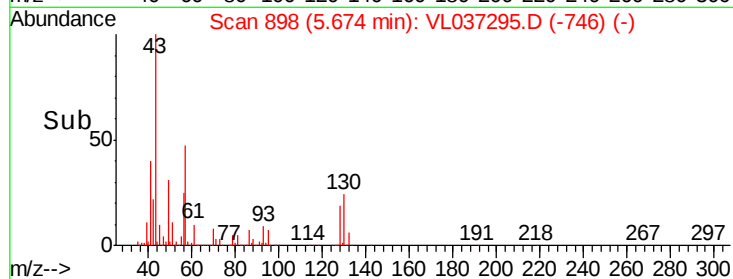
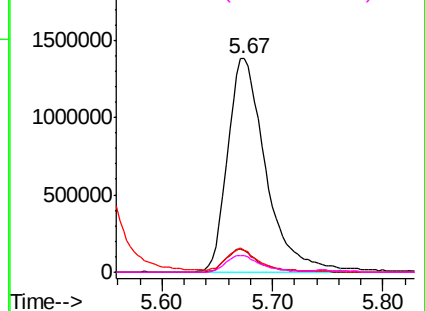
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

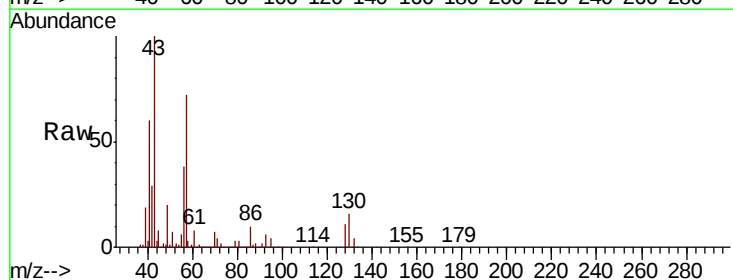
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.036 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion:	57	Resp:	1626440
Ion	Ratio	Lower	Upper
57	100		
41	87.8	71.0	106.6
43	205.5	155.0	232.4
56	52.6	42.0	63.0



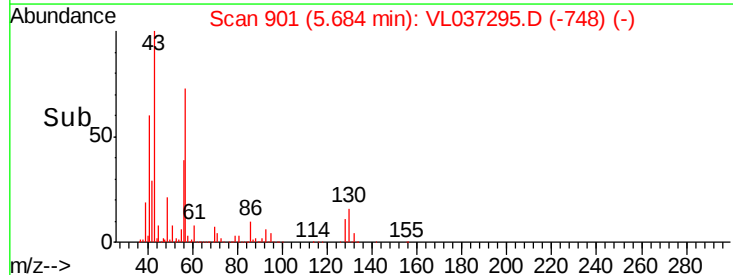
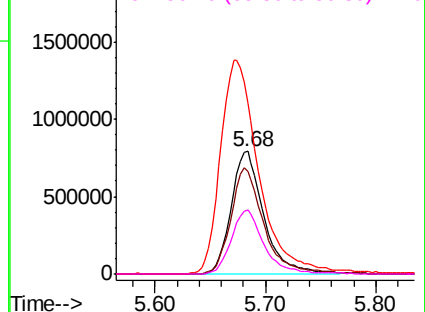
Abundance

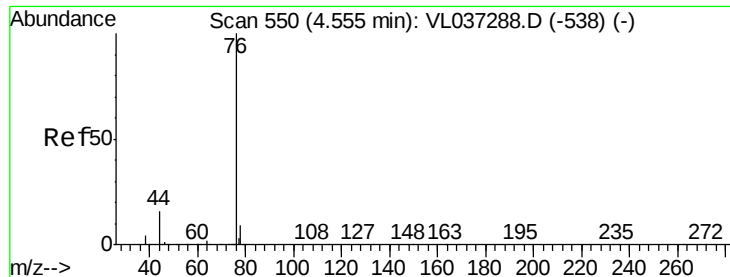
Ion 57.10 (56.80 to 57.80): VL0

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

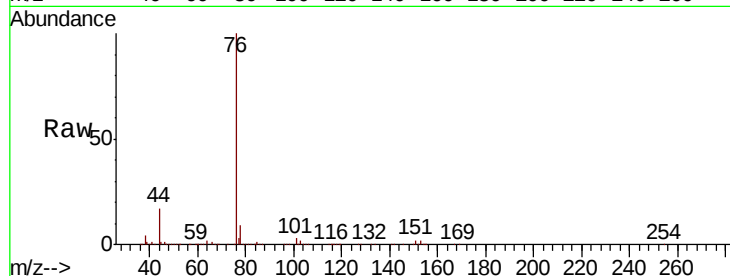




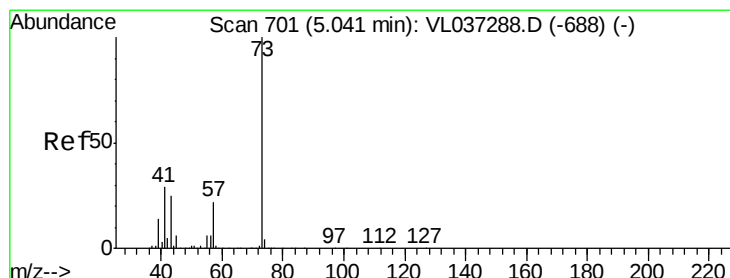
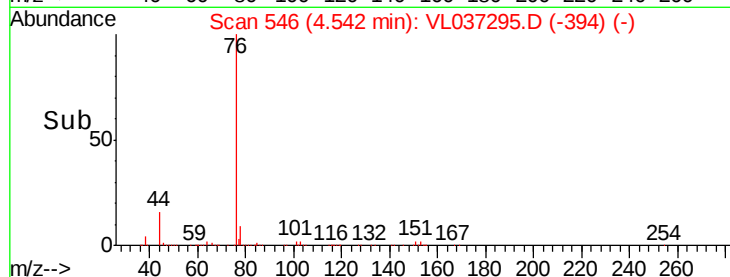
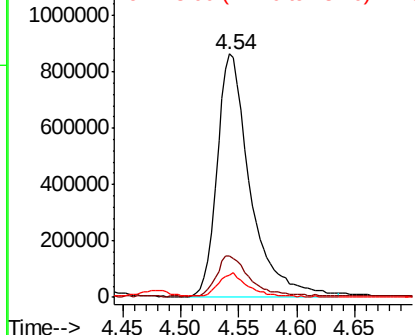
#27
Carbon Disulfide
Concen: 11.545 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 76 Resp: 1711692
Ion Ratio Lower Upper
76 100
44 17.4 14.1 21.1
78 9.7 8.0 12.0

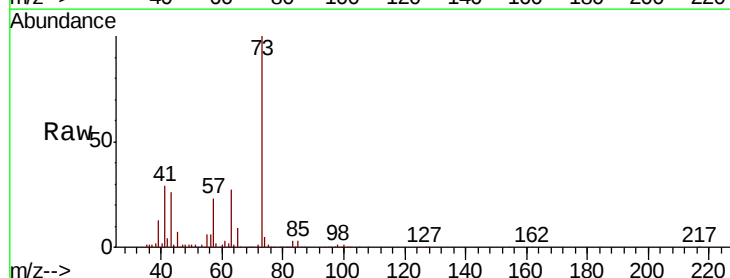


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

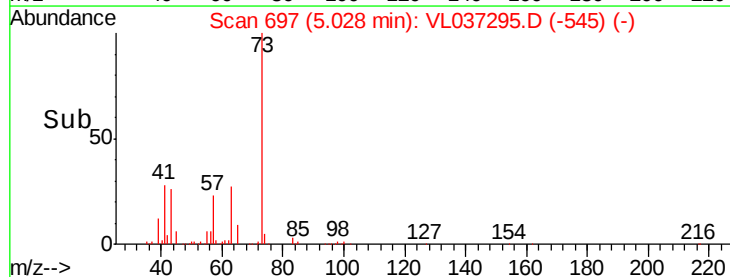
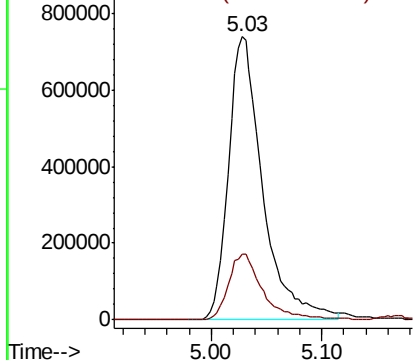


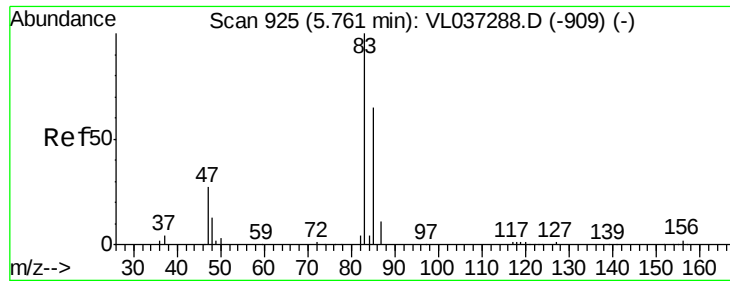
#28
Methyl tert-Butyl Ether
Concen: 9.152 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 73 Resp: 1591250
Ion Ratio Lower Upper
73 100
57 23.5 19.0 28.6



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

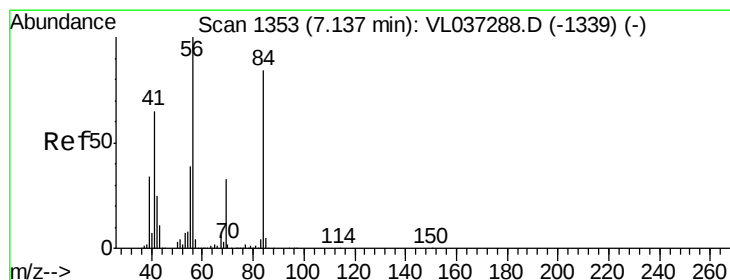
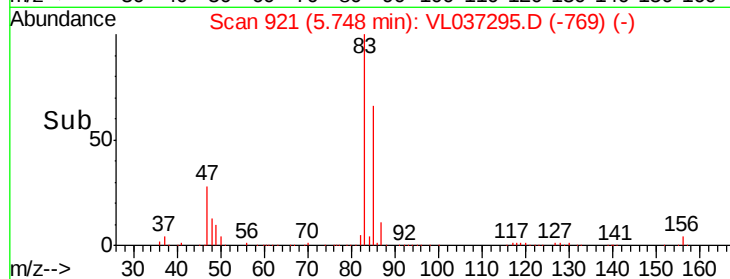
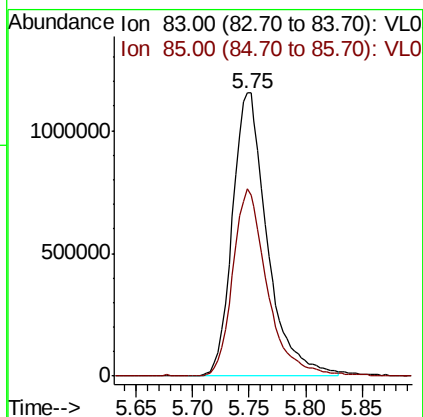
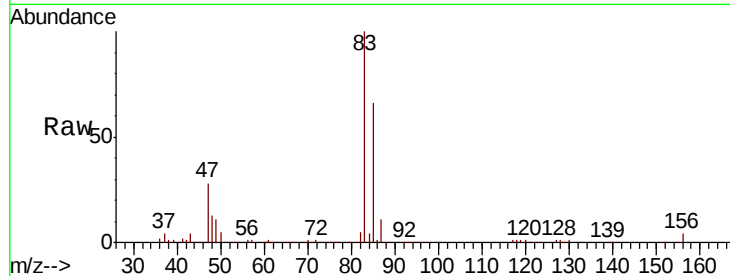




#29
Chloroform
Concen: 9.565 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

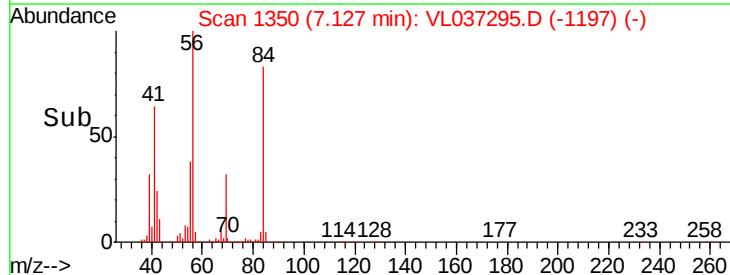
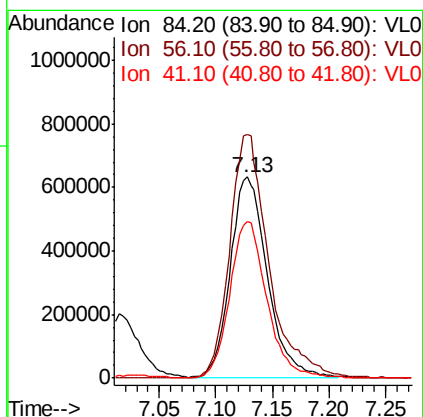
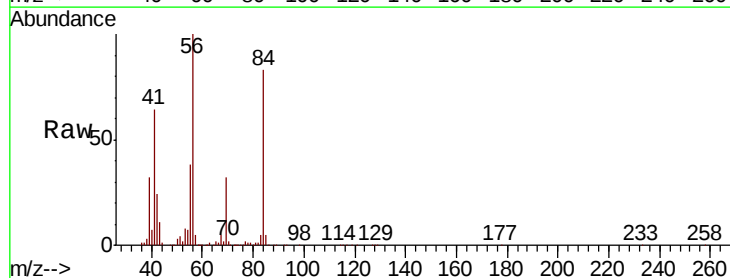
Instrument :
MSVOA_L
ClientSampleId :

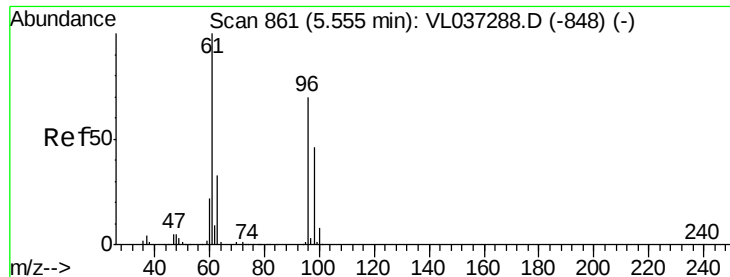
Tot Ion: 83 Resp: 2466950
Ion Ratio Lower Upper
83 100
85 65.9 51.9 77.9



#30
Cyclohexane
Concen: 10.327 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 84 Resp: 1453496
Ion Ratio Lower Upper
84 100
56 127.5 104.1 156.1
41 77.0 64.7 97.1

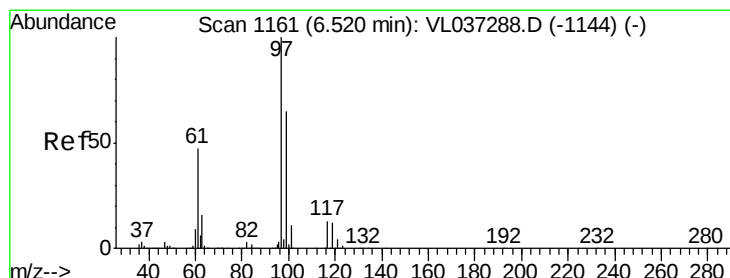
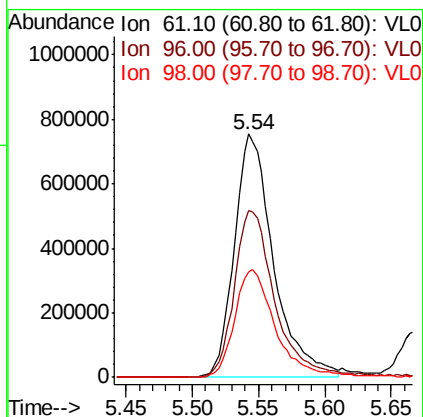
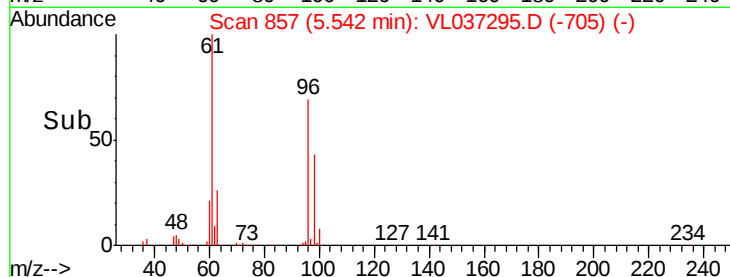
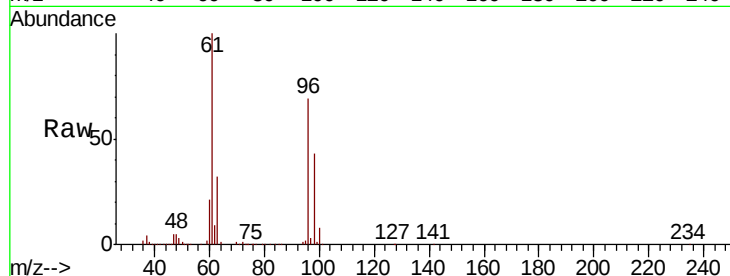




#31
 cis-1,2-Dichloroethene
 Concen: 10.138 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

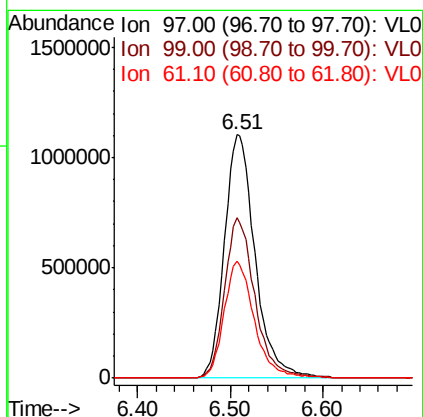
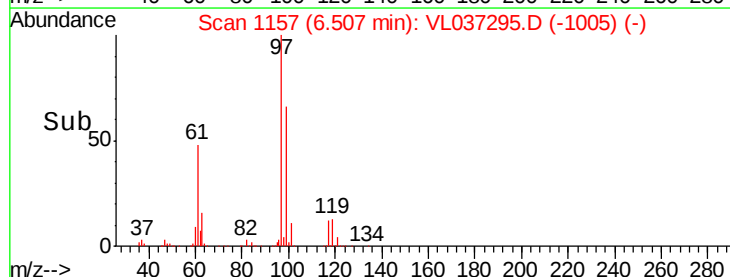
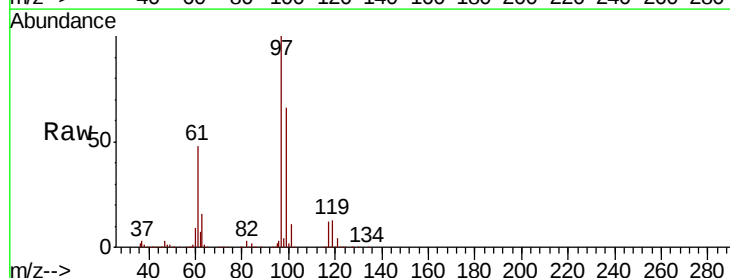
Instrument :
 MSVOA_L
 ClientSampleId :

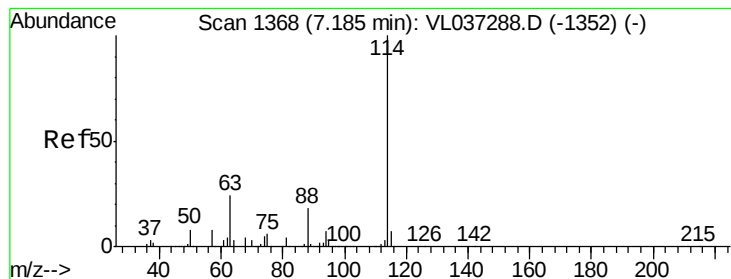
Tot Ion: 61 Resp: 1546444
 Ion Ratio Lower Upper
 61 100
 96 68.7 55.9 83.9
 98 43.2 37.1 55.7



#32
 1,1,1-Trichloroethane
 Concen: 9.896 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 97 Resp: 2537986
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.5 78.7
 61 47.6 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: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

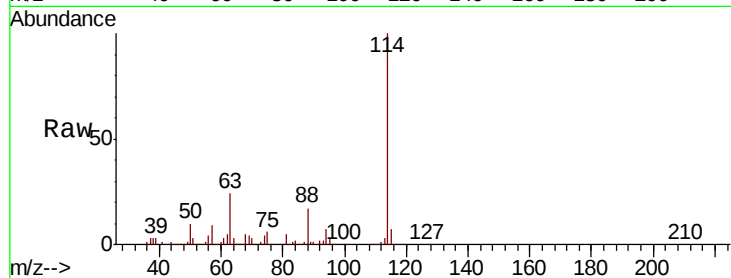
Tot Ion:114 Resp: 3995600

Ion Ratio Lower Upper

114 100

63 23.8 19.0 28.4

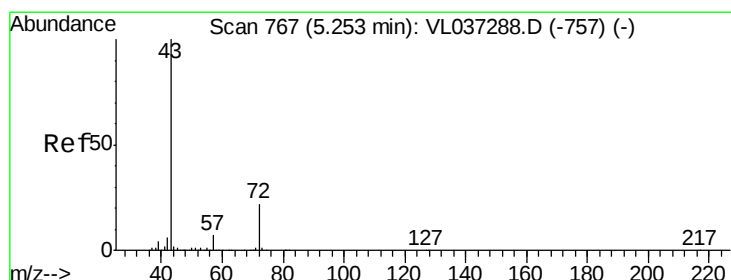
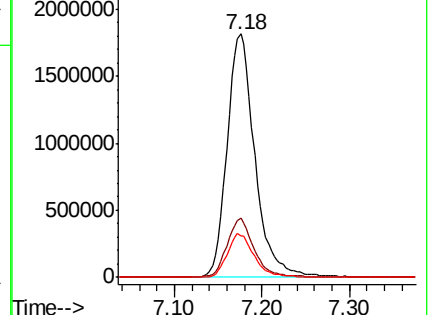
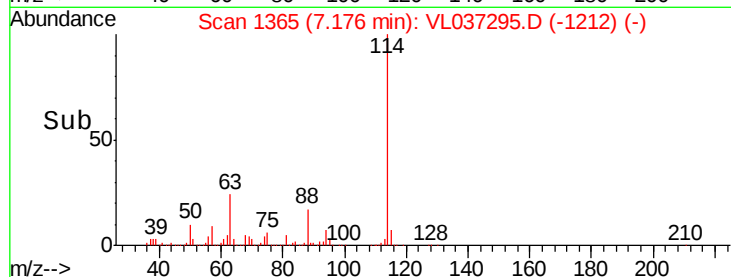
88 17.5 14.0 21.0



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: 8.911 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.01 min

Lab File: VL037295.D

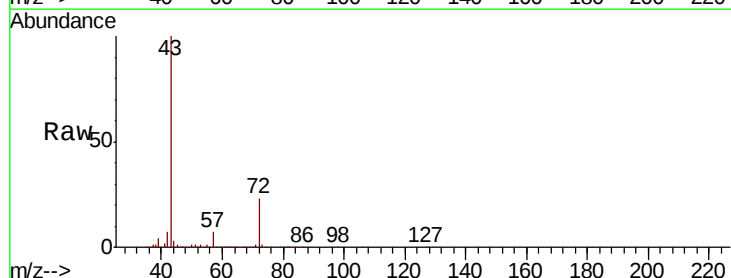
Acq: 30 Jul 2021 21:52

Tgt Ion: 43 Resp: 1527685

Ion Ratio Lower Upper

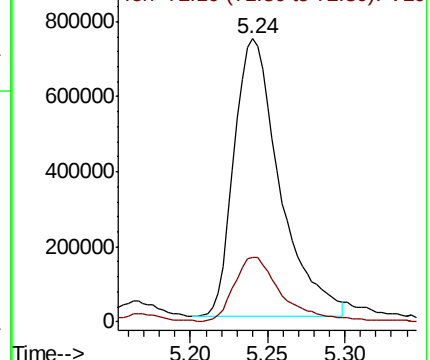
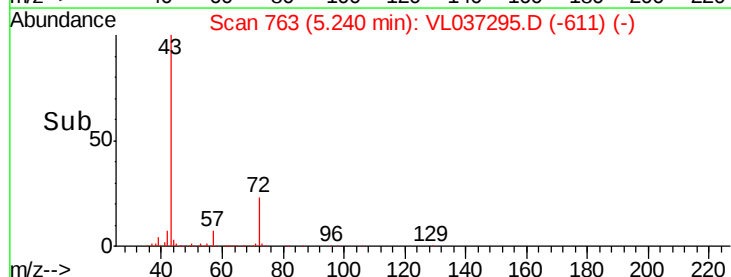
43 100

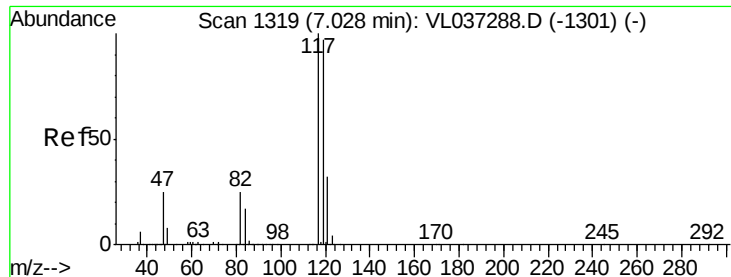
72 24.3 18.5 27.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.493 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

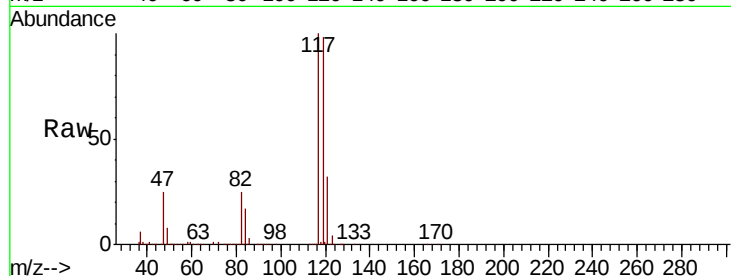
Tot Ion:117 Resp: 2657008

Ion Ratio Lower Upper

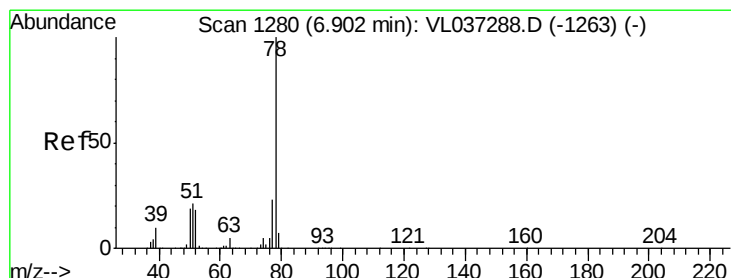
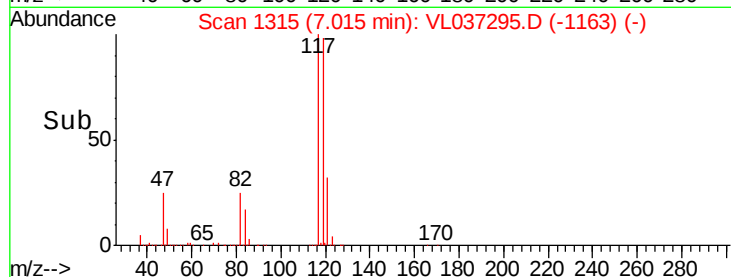
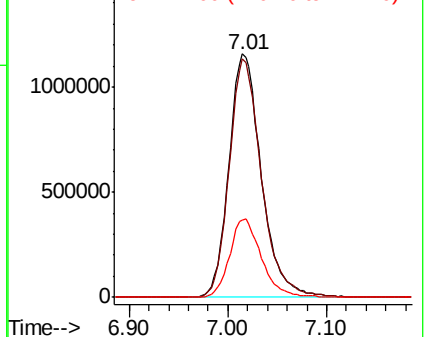
117 100

119 97.8 77.4 116.2

121 31.9 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: 10.056 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

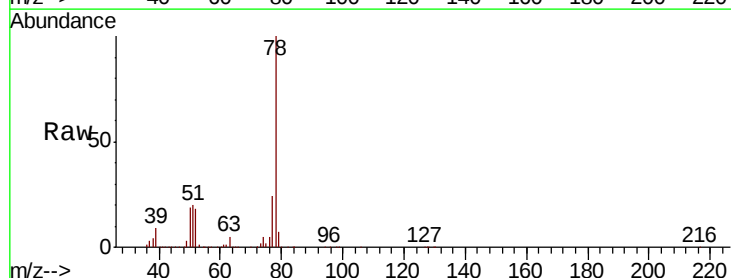
Tgt Ion: 78 Resp: 3401891

Ion Ratio Lower Upper

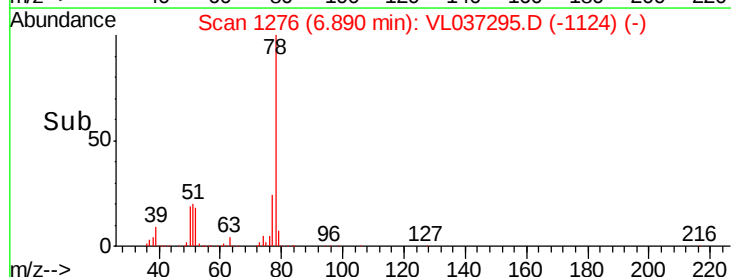
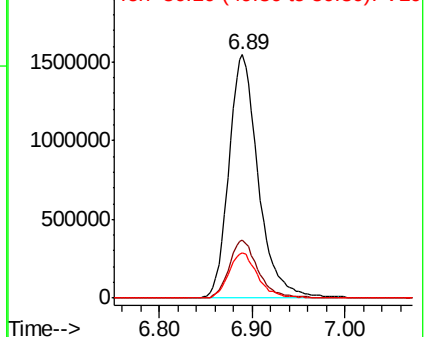
78 100

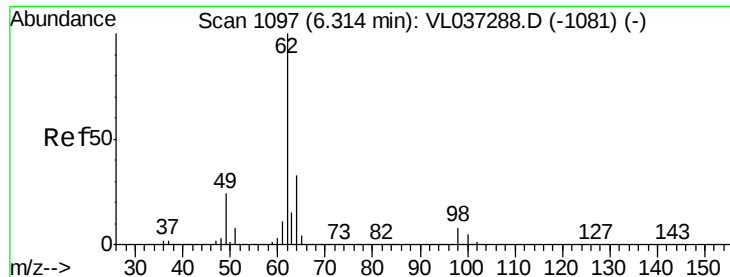
77 24.0 18.3 27.5

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

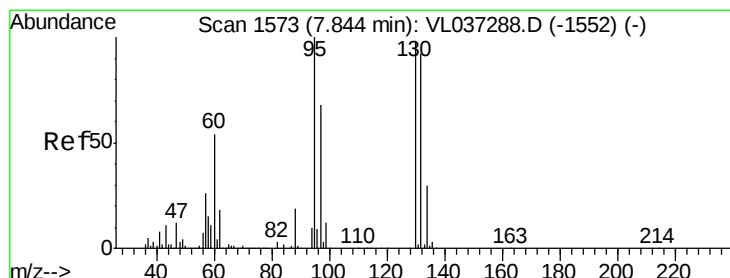
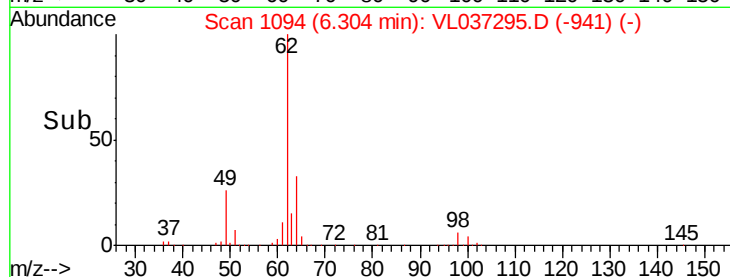
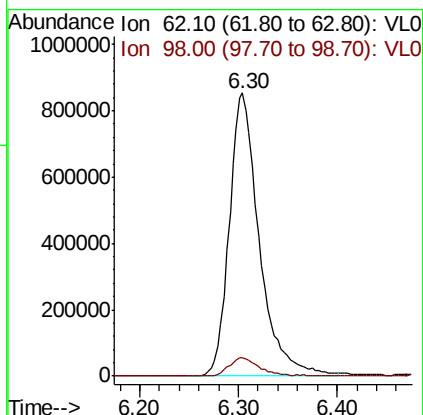
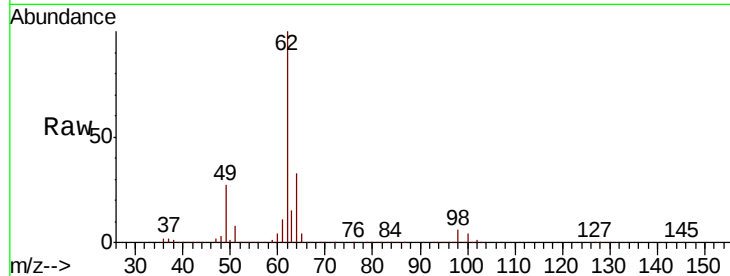




#37
 1,2-Dichloroethane
 Concen: 10.284 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

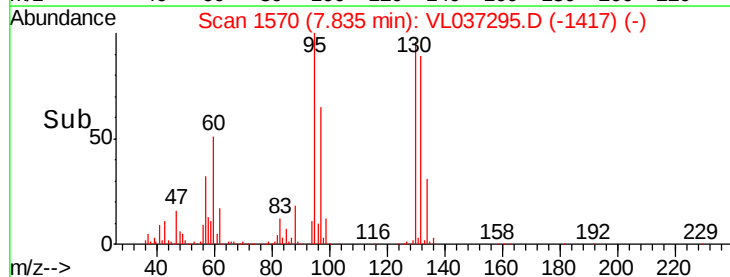
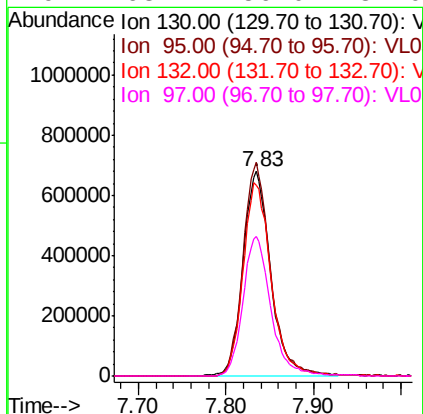
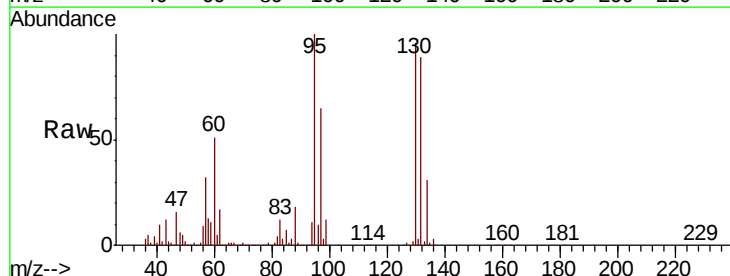
Instrument :
 MSVOA_L
 ClientSampleId :

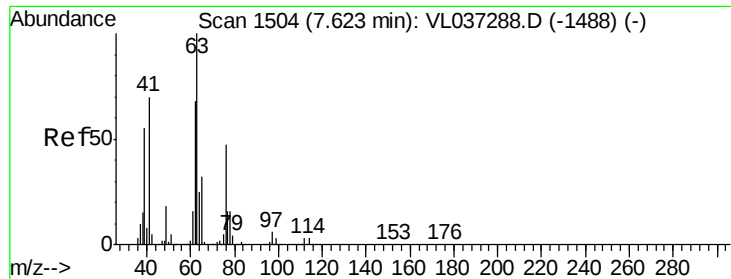
Tot Ion: 62 Resp: 1812363
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.8 8.6



#38
 Trichloroethene
 Concen: 9.782 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 130 Resp: 1493368
 Ion Ratio Lower Upper
 130 100
 95 104.3 82.0 123.0
 132 92.9 75.0 112.6
 97 68.1 56.0 84.0





#39

1,2-Dichloropropane

Concen: 10.071 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :

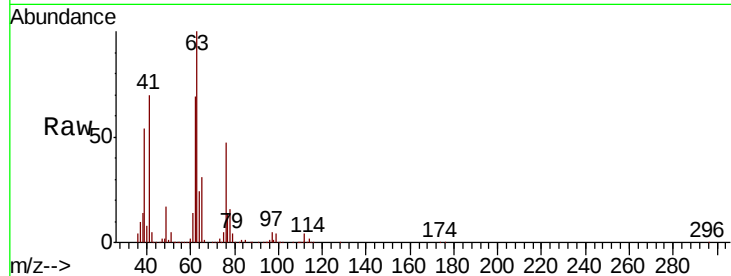
Tot Ion: 63 Resp: 1281162

Ion Ratio Lower Upper

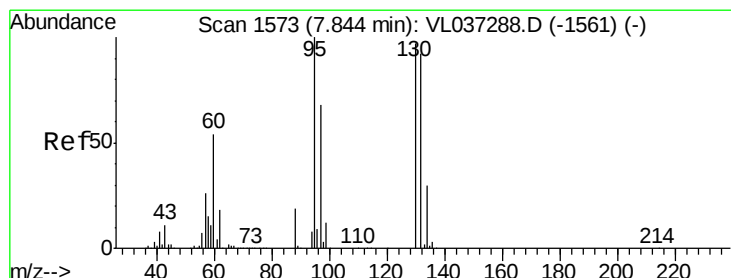
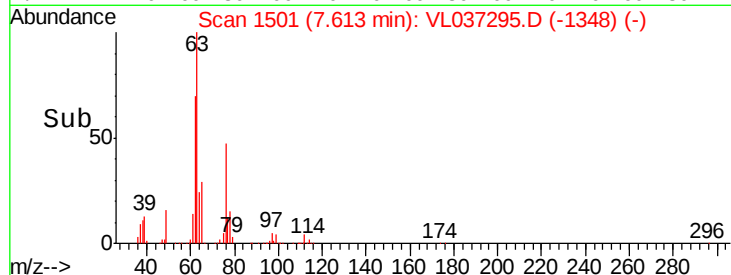
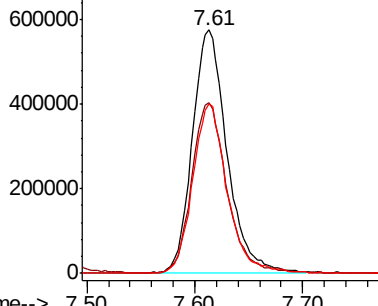
63 100

41 70.1 56.4 84.6

62 69.4 54.6 82.0



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: 8.672 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Tgt Ion: 88 Resp: 317827

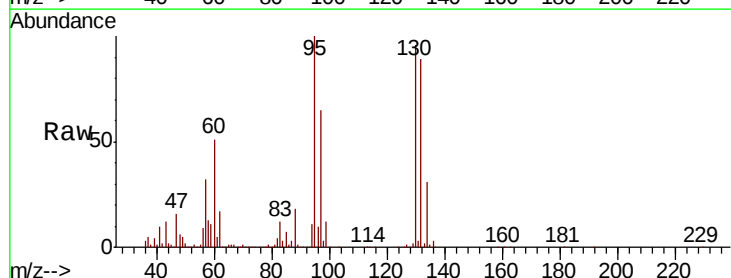
Ion Ratio Lower Upper

88 100

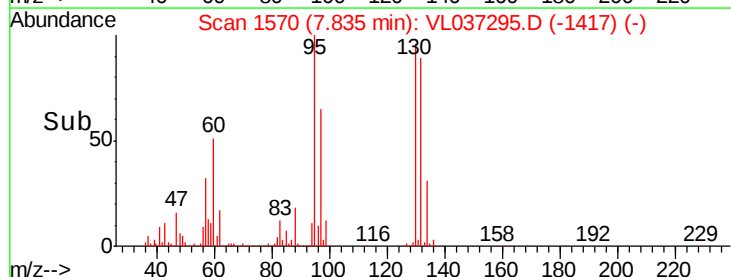
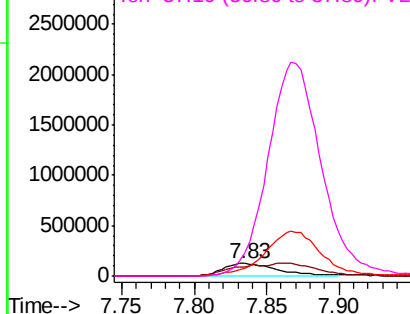
58 155.4 119.2 178.8

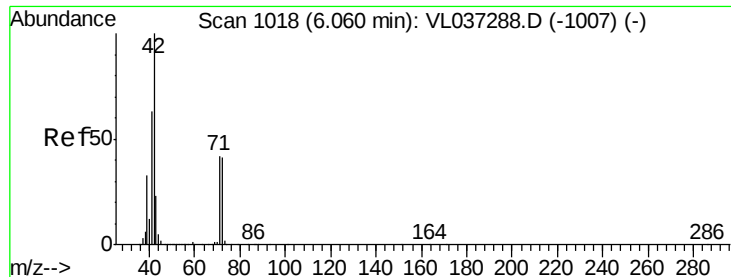
43 383.8 282.2 423.2

57 1722.9 1288.7 1933.1



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

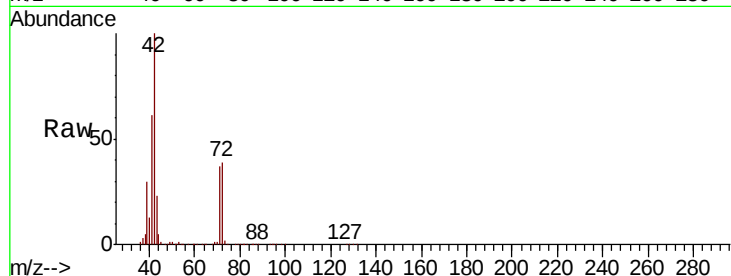




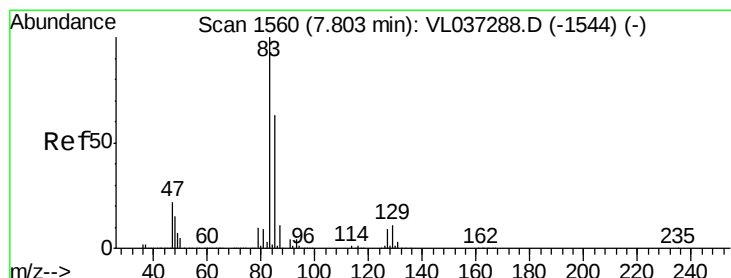
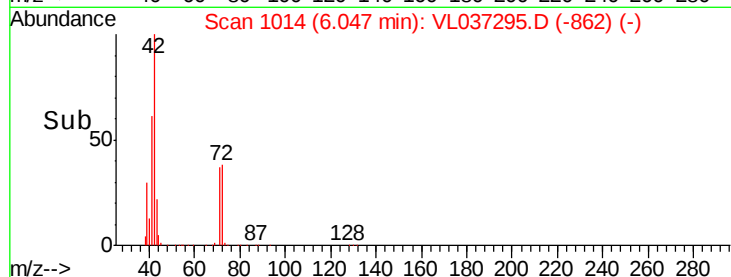
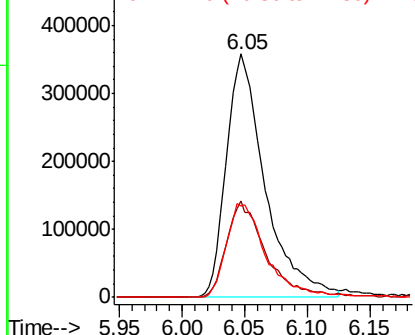
#41
Tetrahydrofuran
Concen: 11.154 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 768408
Ion Ratio Lower Upper
42 100
72 41.2 33.0 49.6
71 40.6 32.7 49.1

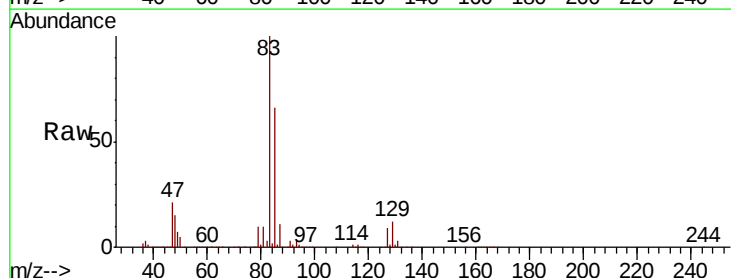


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

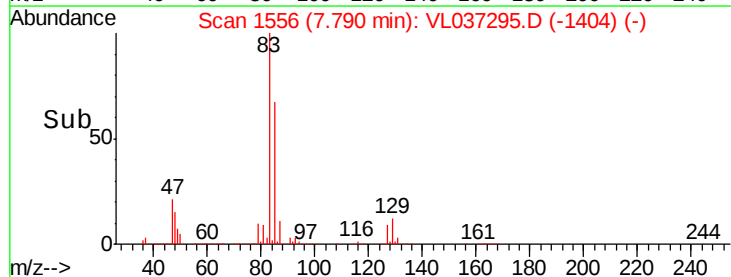
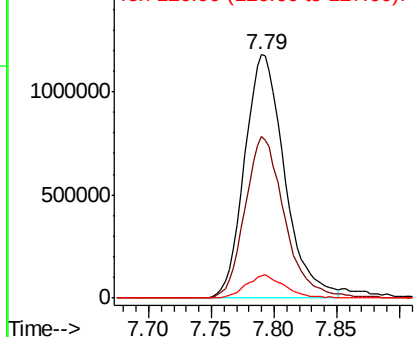


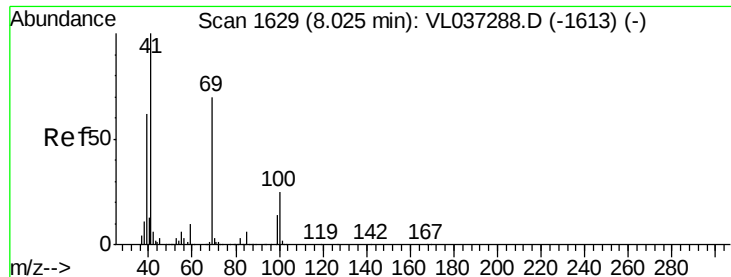
#42
Bromodichloromethane
Concen: 10.678 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 83 Resp: 2625053
Ion Ratio Lower Upper
83 100
85 66.5 50.5 75.7
127 9.2 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

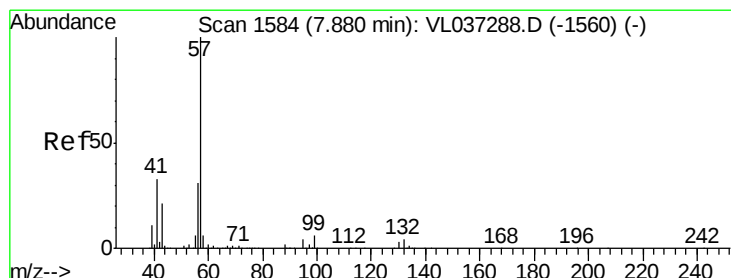
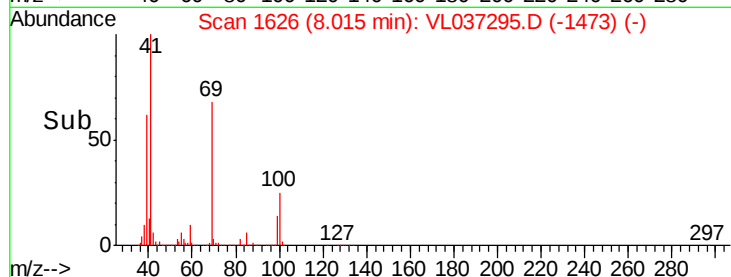
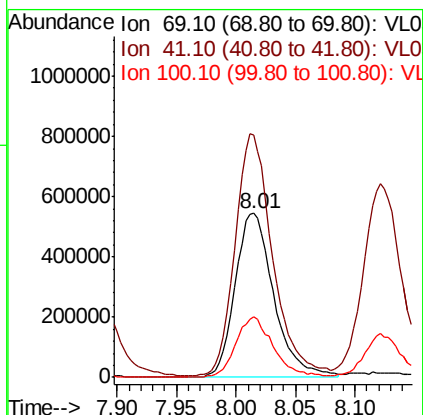
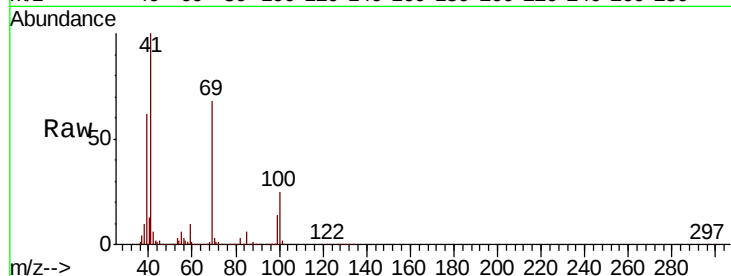




#43
Methvl Methacrilate
Concen: 10.920 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

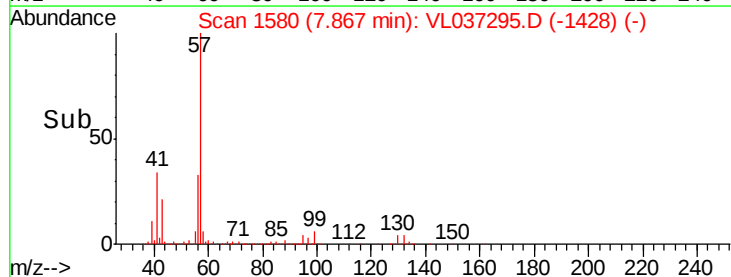
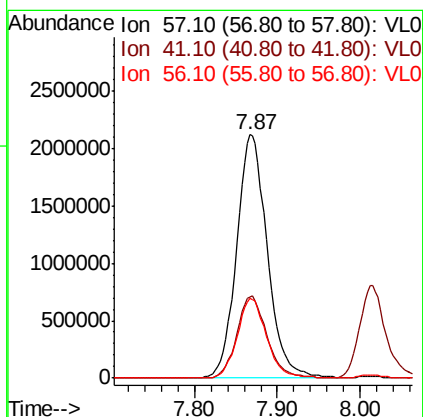
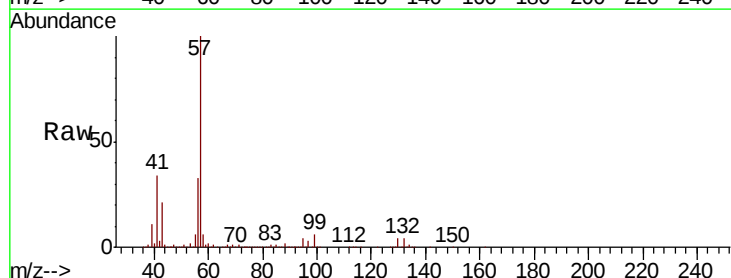
Instrument :
MSVOA_L
ClientSampleId :

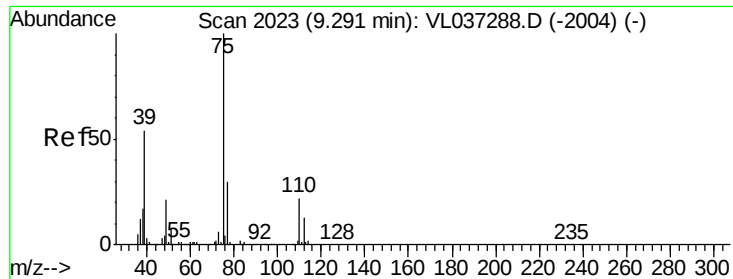
Tot Ion: 69 Resp: 1227874
Ion Ratio Lower Upper
69 100
41 144.5 116.5 174.7
100 35.9 28.7 43.1



#44
2,2,4-Trimethylpentane
Concen: 9.883 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 57 Resp: 5465619
Ion Ratio Lower Upper
57 100
41 32.9 26.6 40.0
56 31.6 25.3 37.9

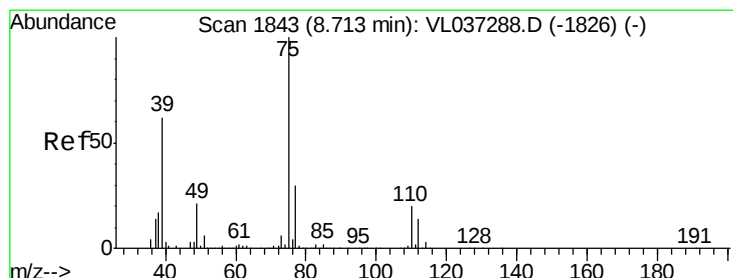
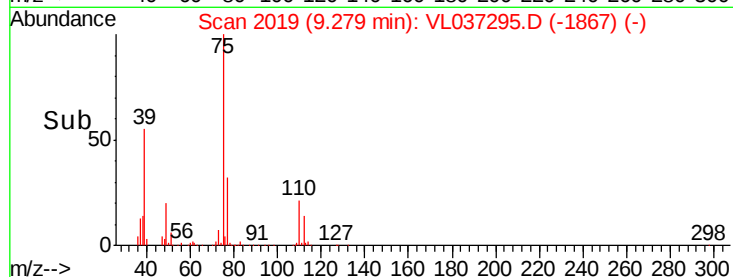
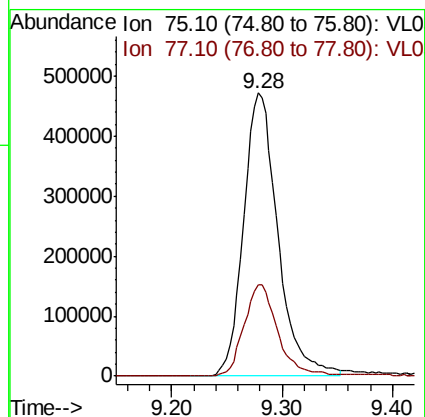
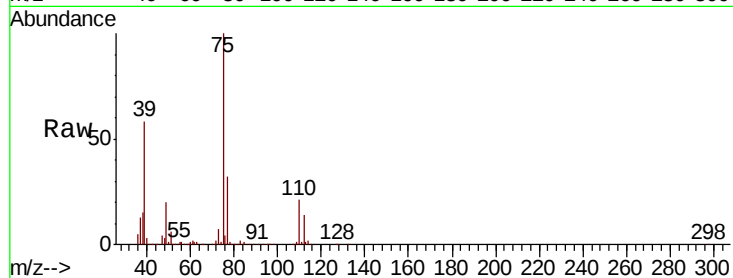




#45
 t-1,3-Dichloropropene
 Concen: 10.770 ppbv
 RT: 9.28 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

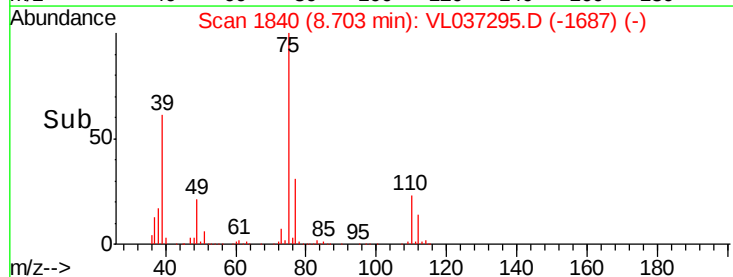
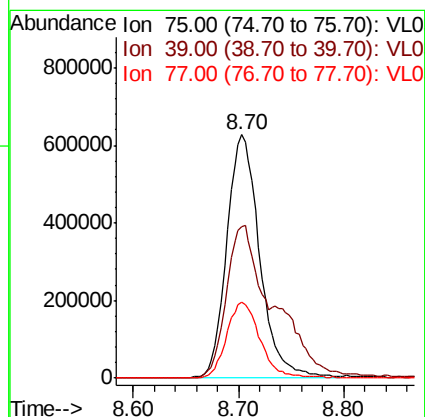
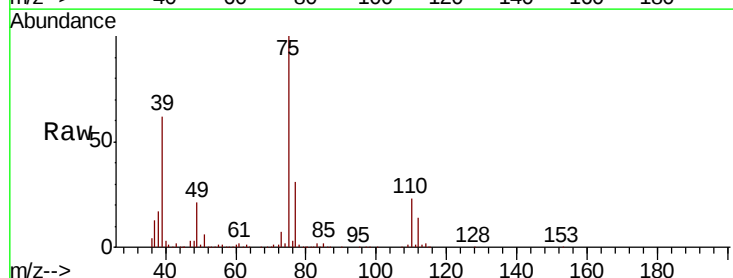
Instrument :
 MSVOA_L
 ClientSampled :

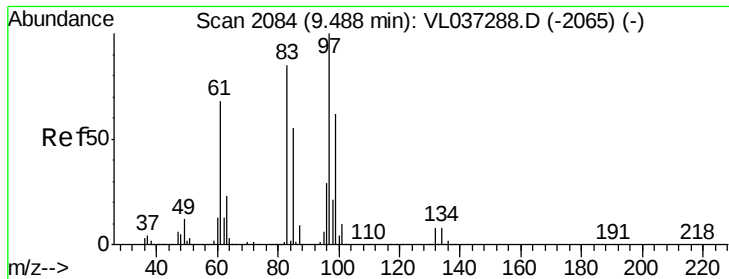
Tot Ion: 75 Resp: 1014827
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 10.691 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 75 Resp: 1358680
 Ion Ratio Lower Upper
 75 100
 39 61.8 49.8 74.6
 77 31.4 24.3 36.5



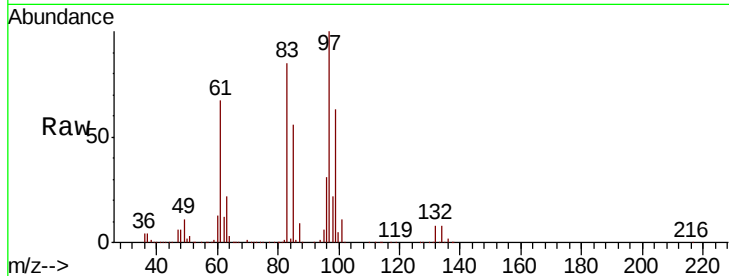


#47
 1,1,2-Trichloroethane
 Concen: 10.037 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1432371

Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.7	101.5
85	55.7	43.8	65.6
99	63.4	49.9	74.9



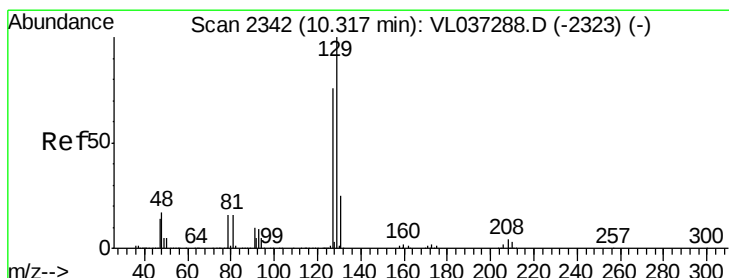
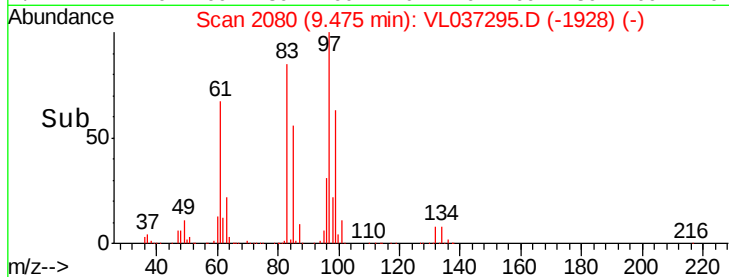
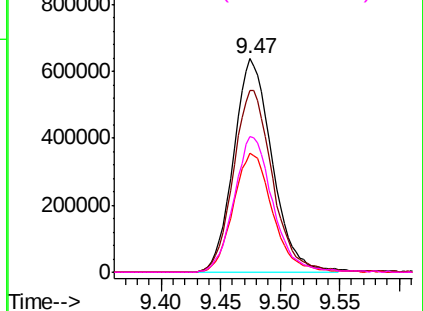
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

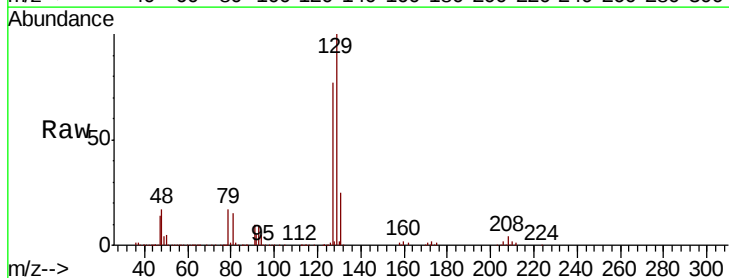
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.270 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 129 Resp: 2462401

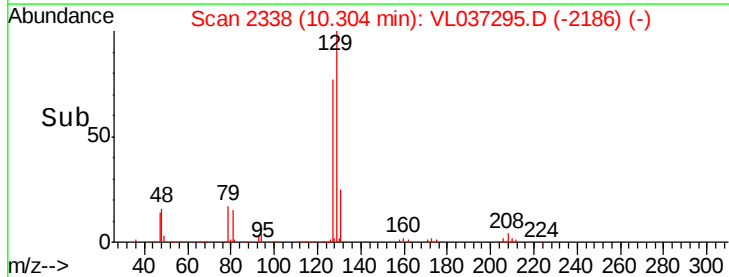
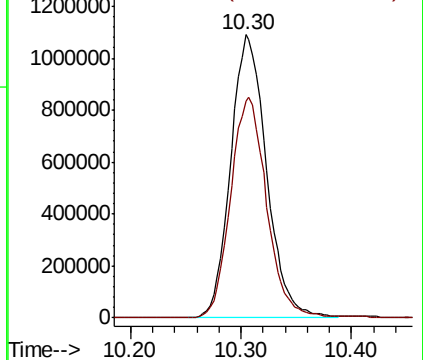
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.5	118.3

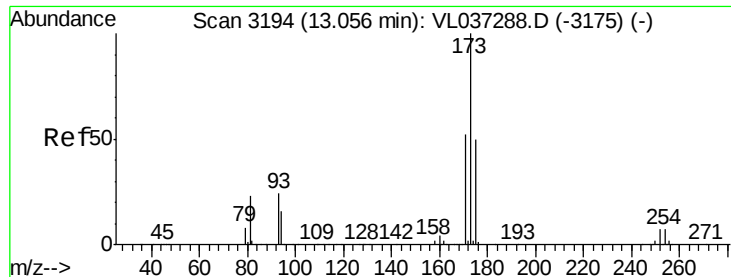


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.282 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

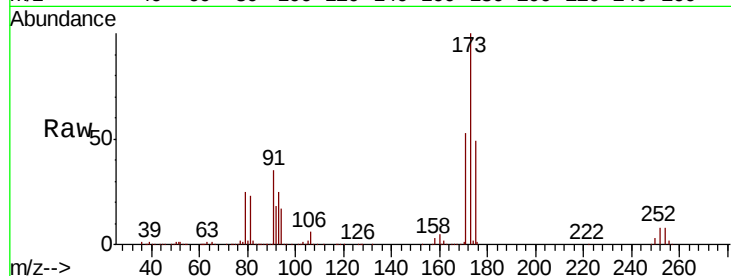
Tot Ion:173 Resp: 2084636

Ion Ratio Lower Upper

173 100

175 50.6 40.4 60.6

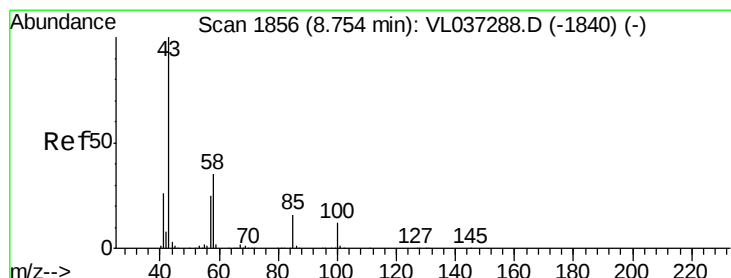
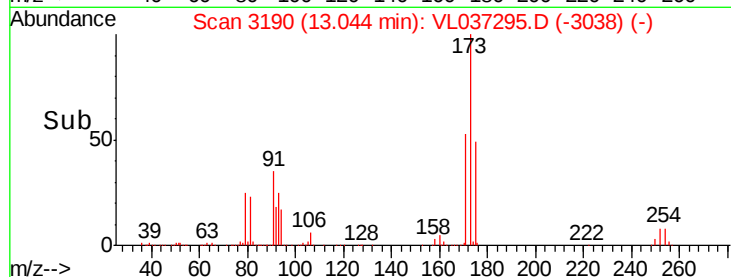
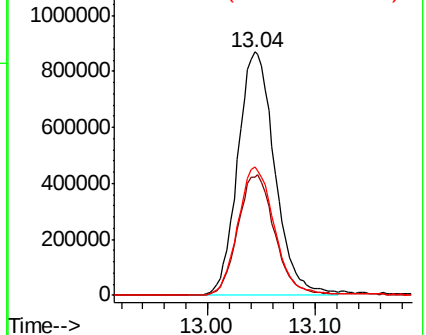
171 53.3 43.3 64.9



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: 10.783 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037295.D

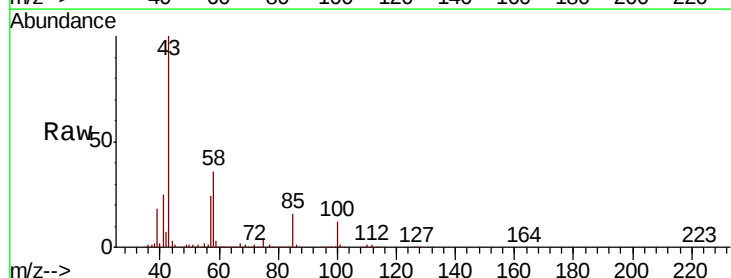
Acq: 30 Jul 2021 21:52

Tgt Ion: 43 Resp: 2341097

Ion Ratio Lower Upper

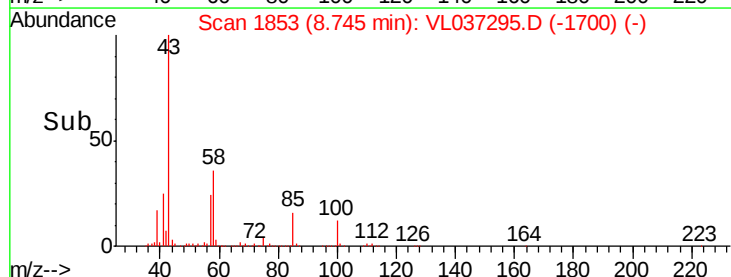
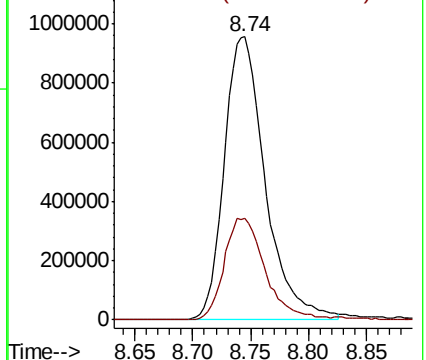
43 100

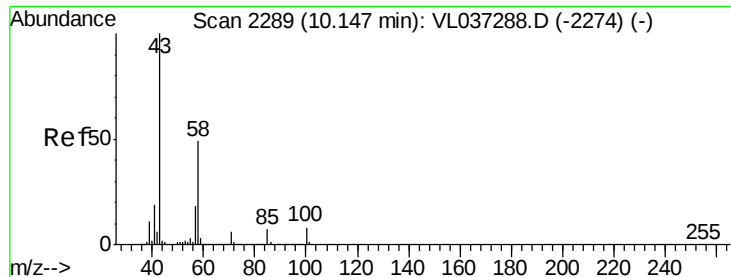
58 37.0 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

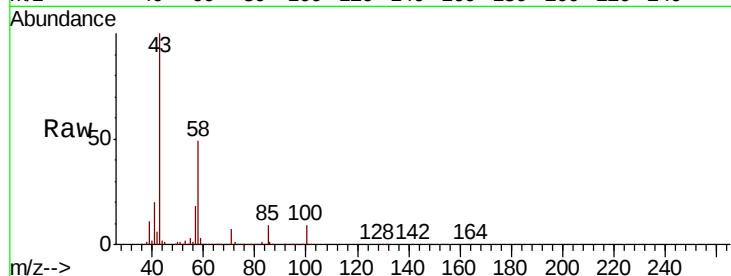




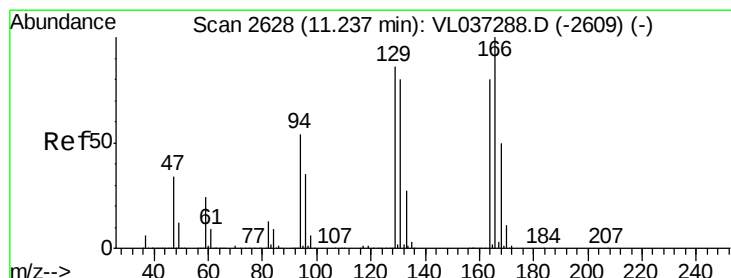
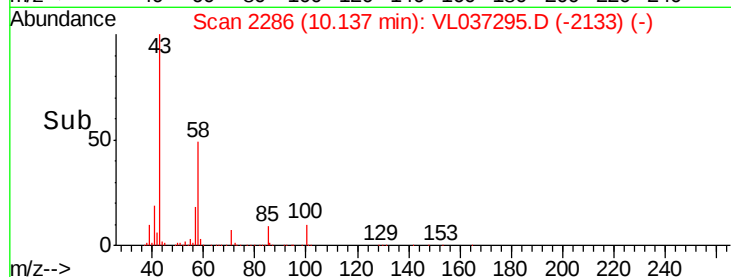
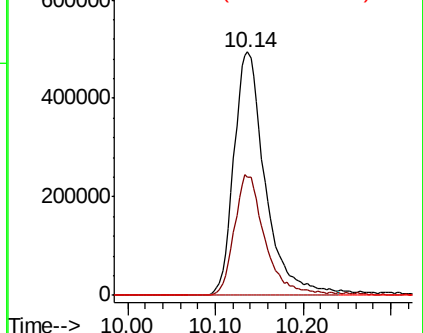
#51
2-Hexanone
Concen: 12.230 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1225931
Ion Ratio Lower Upper
43 100
58 49.6 39.0 58.4
98 0.4 0.4 0.6

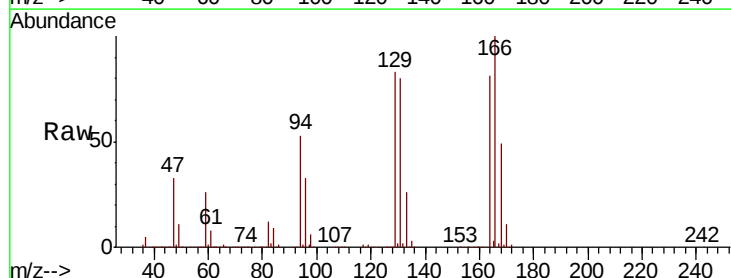


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

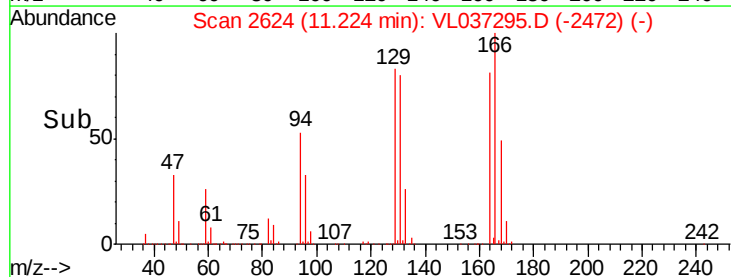
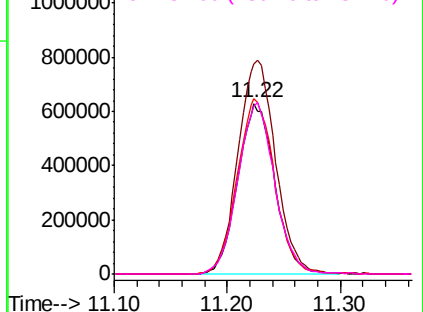


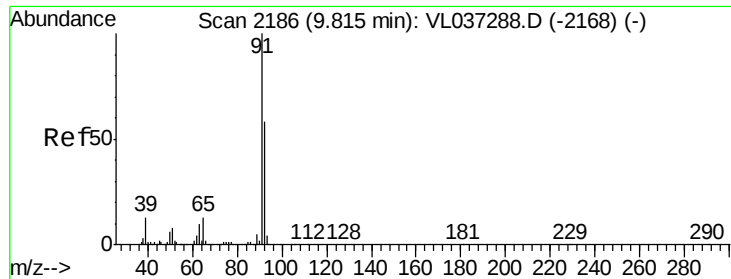
#52
Tetrachloroethene
Concen: 9.576 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion:164 Resp: 1427977
Ion Ratio Lower Upper
164 100
166 123.2 100.4 150.6
129 102.4 86.2 129.4
131 98.1 80.5 120.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.267 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

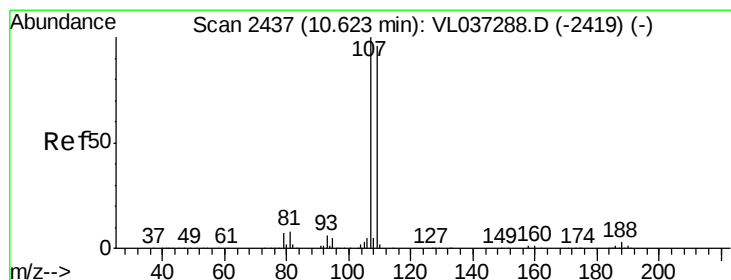
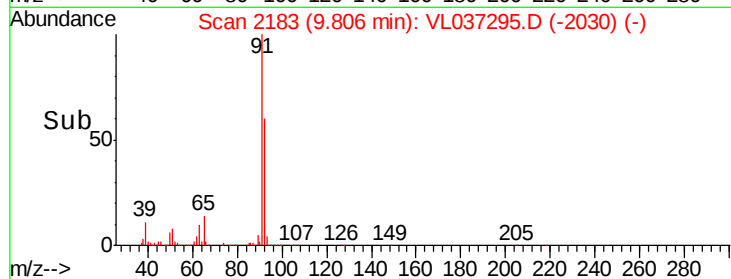
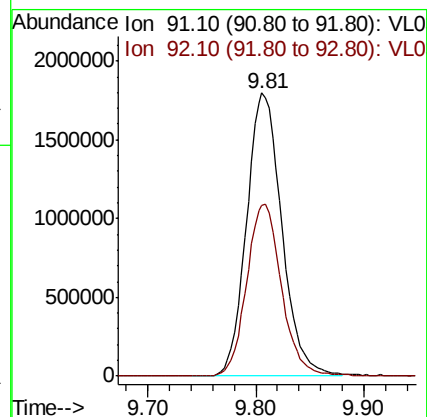
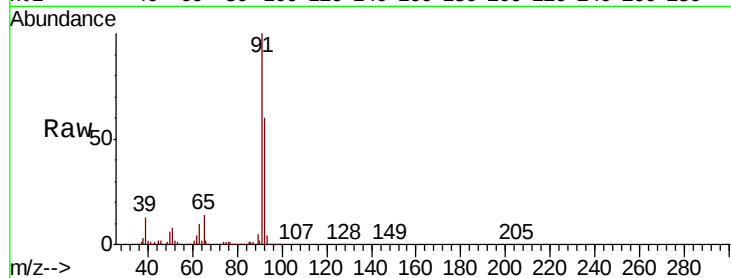
ClientSampleId :

Tot Ion: 91 Resp: 4083335

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.280 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL037295.D

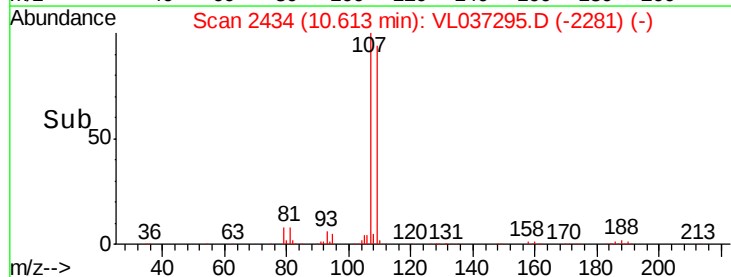
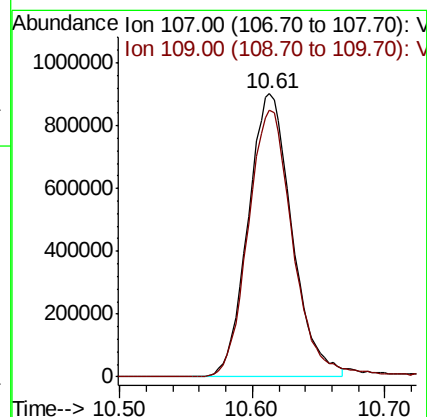
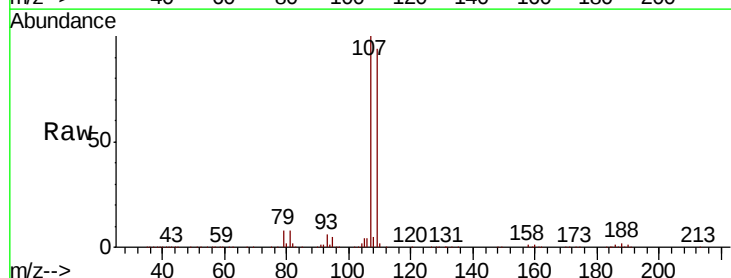
Acq: 30 Jul 2021 21:52

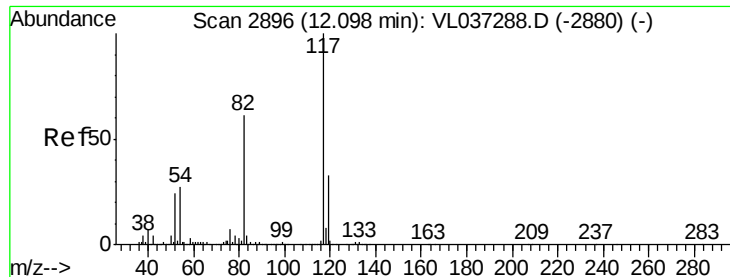
Tgt Ion: 107 Resp: 2074187

Ion Ratio Lower Upper

107 100

109 94.1 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: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

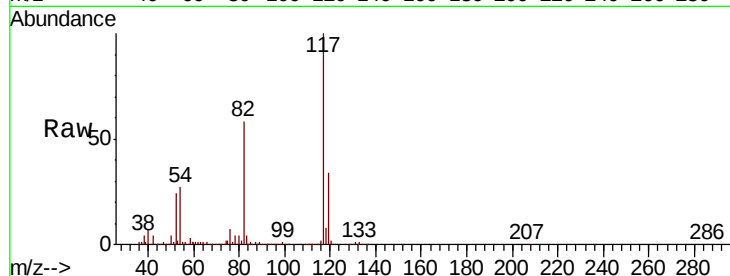
Tot Ion:117 Resp: 4765565

Ion Ratio Lower Upper

117 100

82 48.6 47.2 70.8

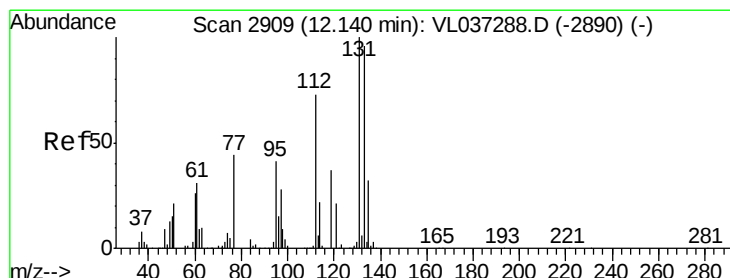
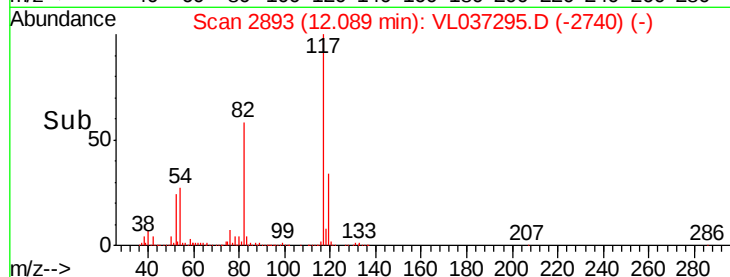
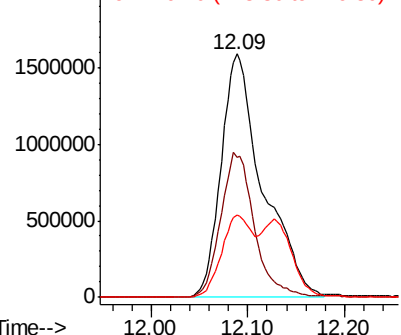
119 23.0 45.8 68.8#



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: 8.225 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

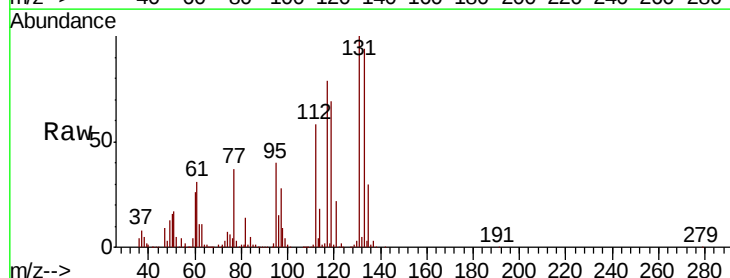
Tgt Ion:131 Resp: 1715698

Ion Ratio Lower Upper

131 100

133 96.8 77.4 116.2

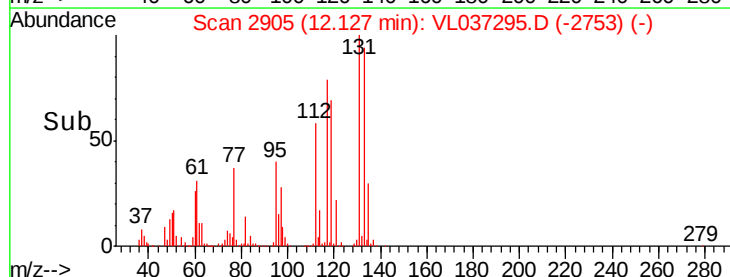
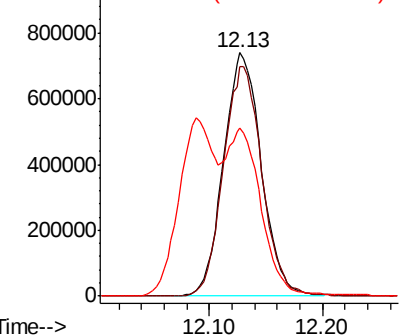
119 71.2 51.0 76.4

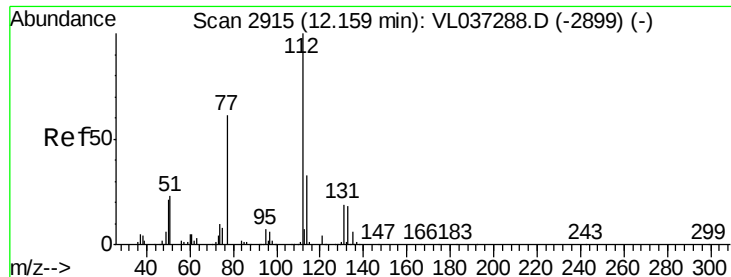


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.882 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

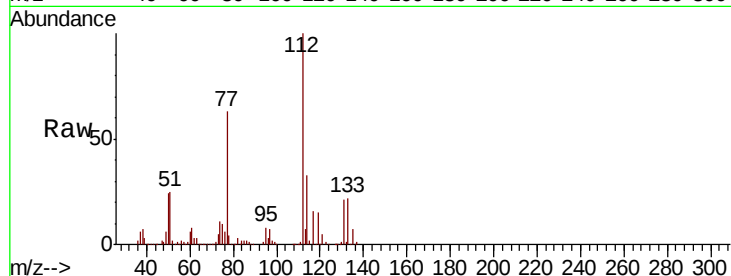
Tot Ion:112 Resp: 3141919

Ion Ratio Lower Upper

112 100

77 61.8 49.0 73.6

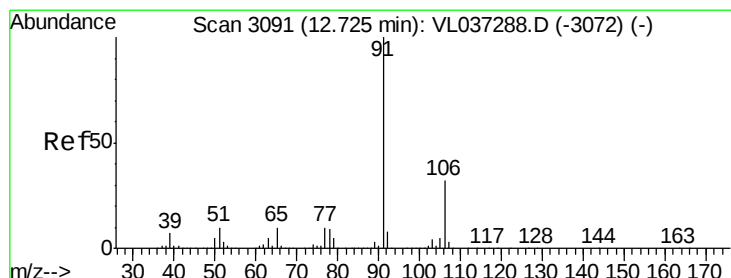
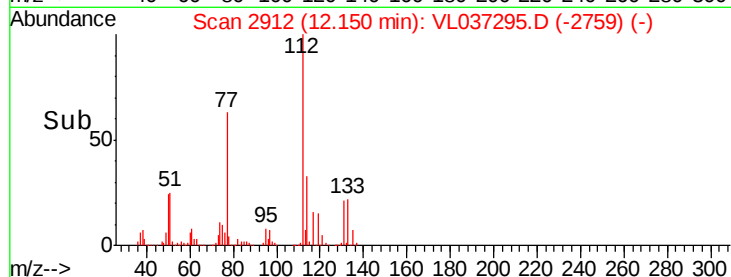
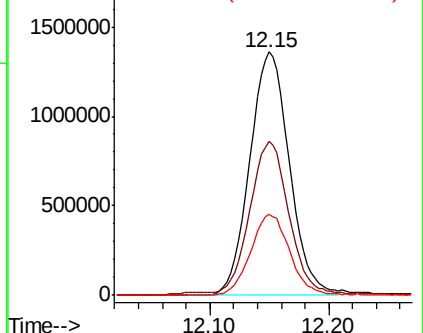
114 33.1 29.3 35.9



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: 8.242 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.01 min

Lab File: VL037295.D

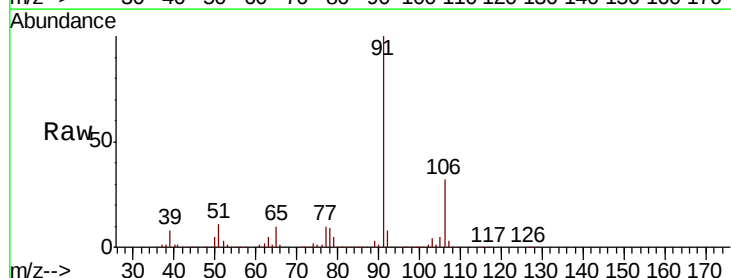
Acq: 30 Jul 2021 21:52

Tgt Ion: 91 Resp: 5400279

Ion Ratio Lower Upper

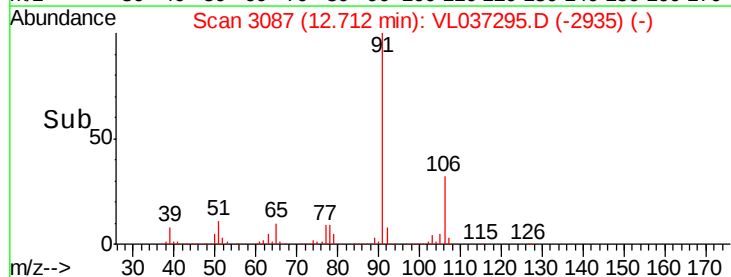
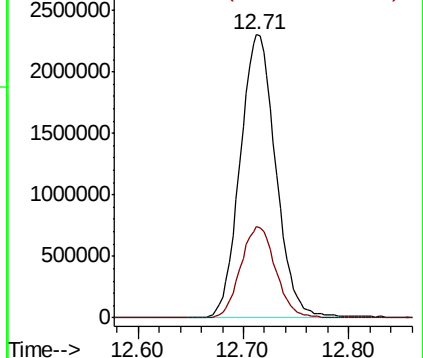
91 100

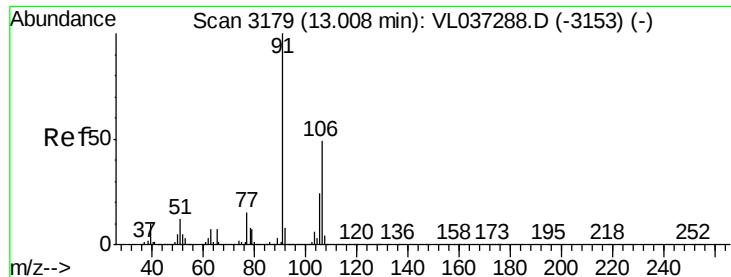
106 32.3 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.247 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

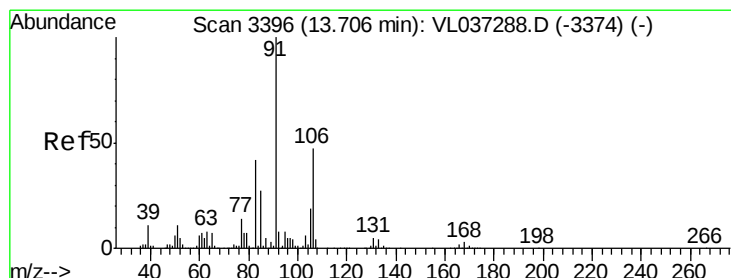
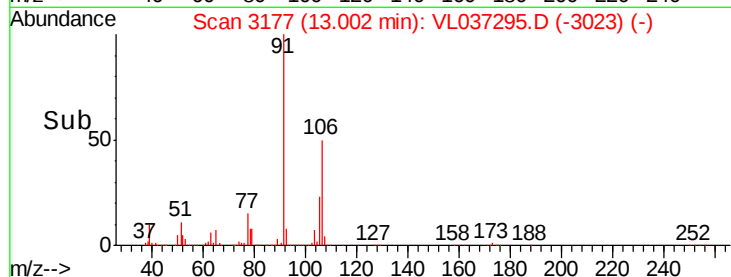
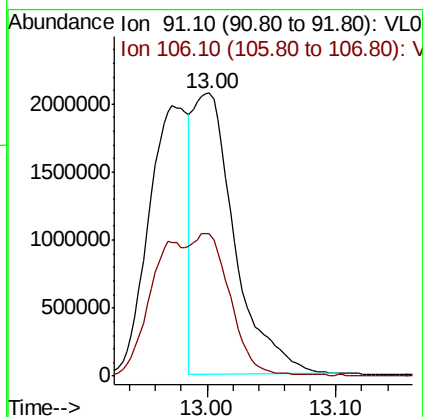
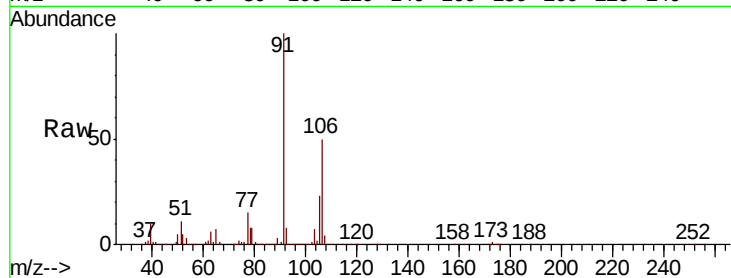
ClientSampleId :

Tot Ion: 91 Resp: 4651945

Ion Ratio Lower Upper

91 100

106 90.6 37.3 55.9#



#60

o-Xylene

Concen: 7.973 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL037295.D

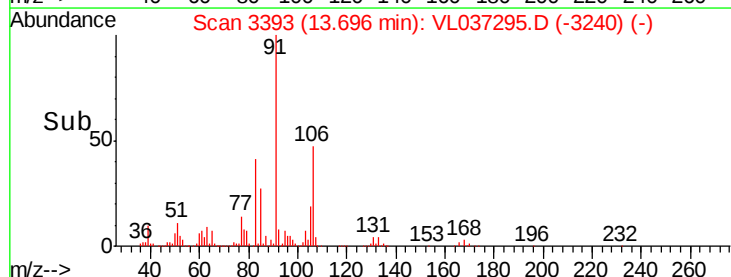
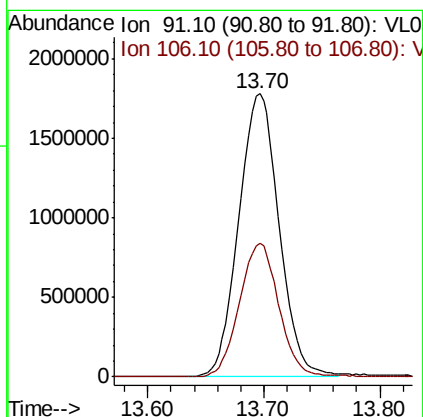
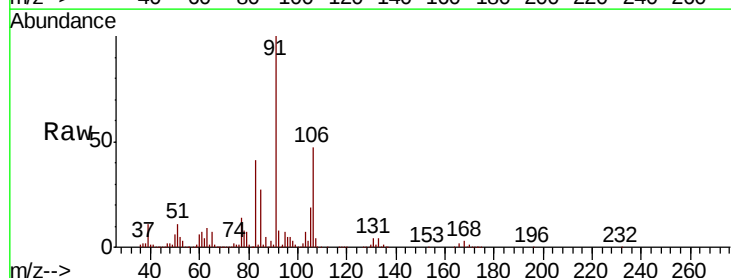
Acq: 30 Jul 2021 21:52

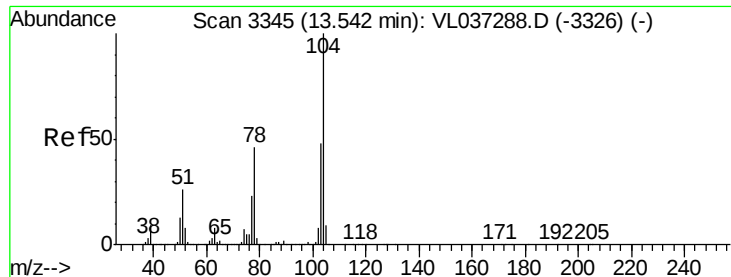
Tgt Ion: 91 Resp: 4297698

Ion Ratio Lower Upper

91 100

106 46.6 23.4 70.0





#61

Stvrene

Concen: 9.147 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

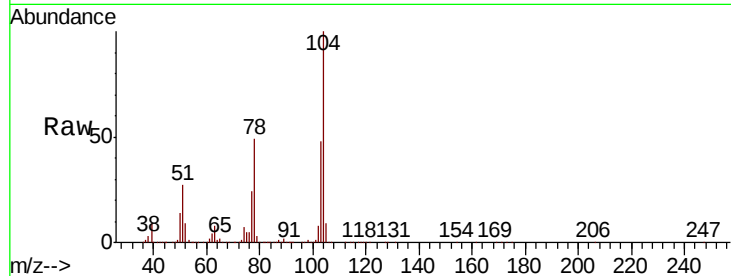
Tot Ion:104 Resp: 2520277

Ion Ratio Lower Upper

104 100

78 48.4 39.0 58.6

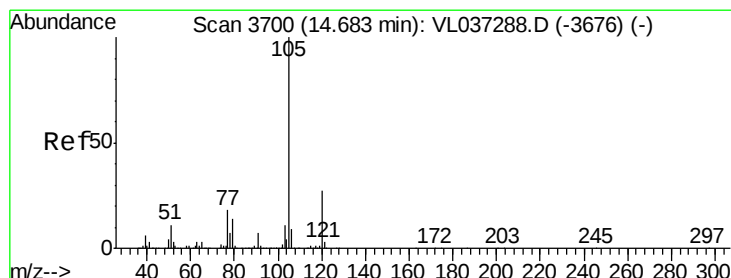
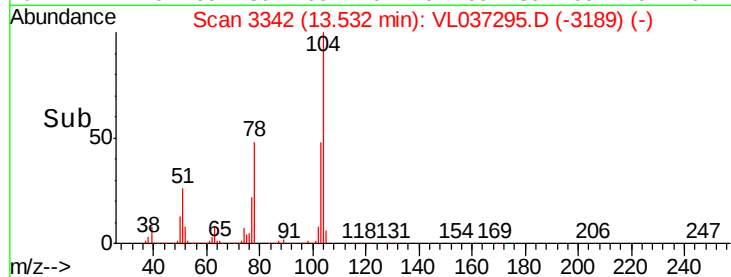
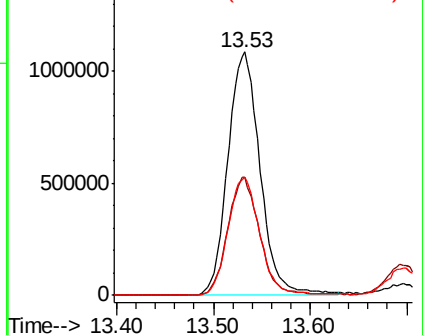
103 48.2 38.6 58.0



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: 8.009 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.01 min

Lab File: VL037295.D

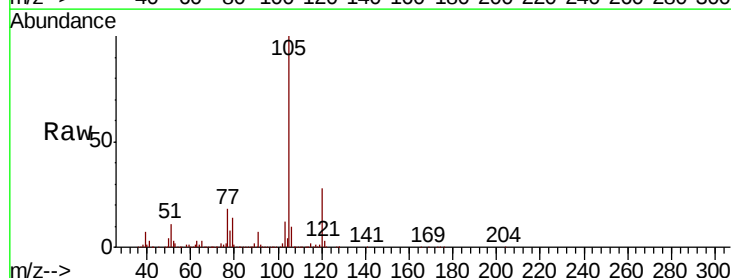
Acq: 30 Jul 2021 21:52

Tgt Ion:105 Resp: 6097906

Ion Ratio Lower Upper

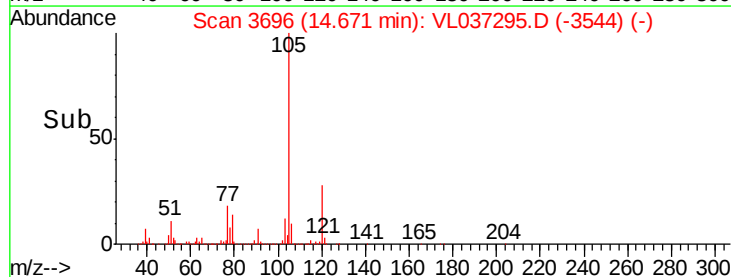
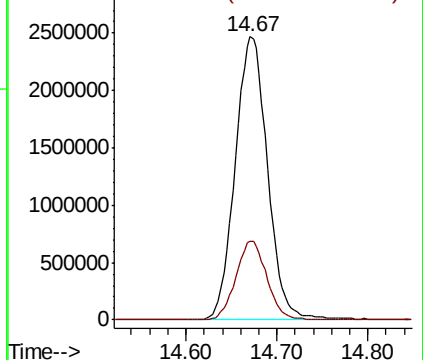
105 100

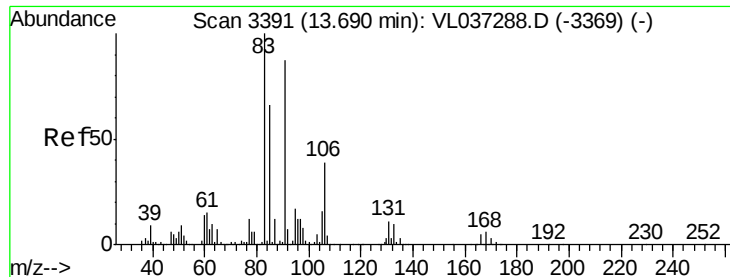
120 27.0 21.8 32.6



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: 7.771 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

ClientSampleId :

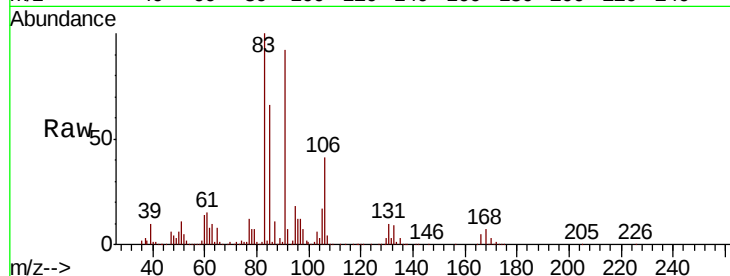
Tot Ion: 83 Resp: 2954494

Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.5
85	67.4	33.6	100.8

83 100

131 10.9 5.5 16.5

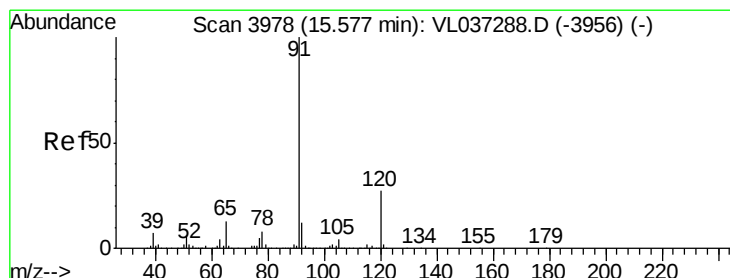
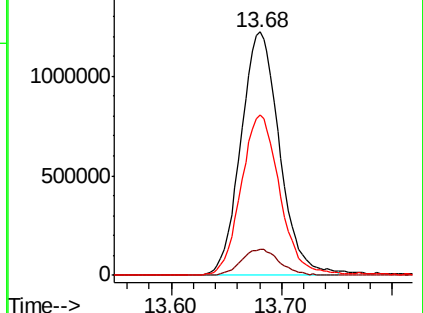
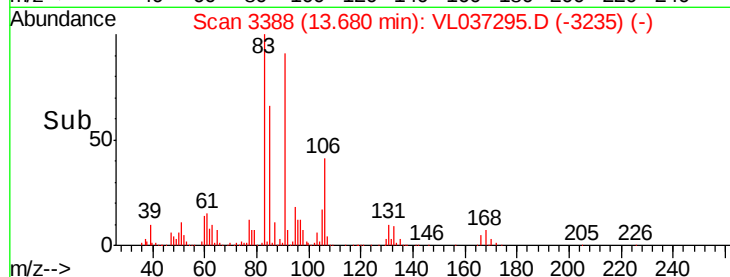
85 67.4 33.6 100.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.390 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VL037295.D

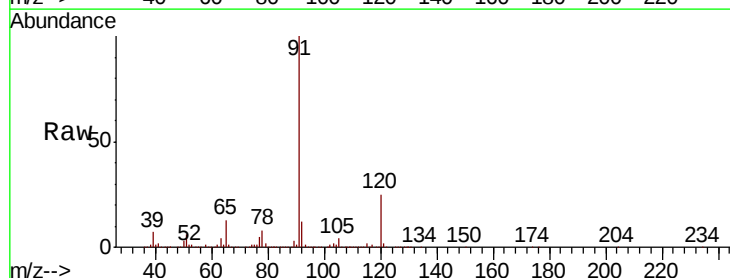
Acq: 30 Jul 2021 21:52

Tgt Ion:120 Resp: 1656444

Ion	Ratio	Lower	Upper
120	100		
91	429.9	347.0	520.4

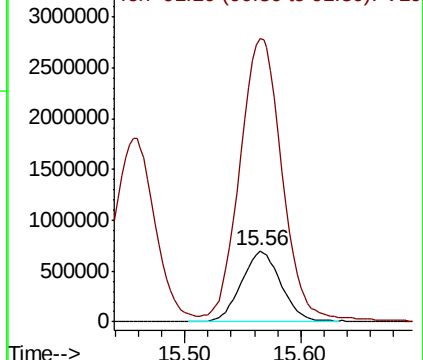
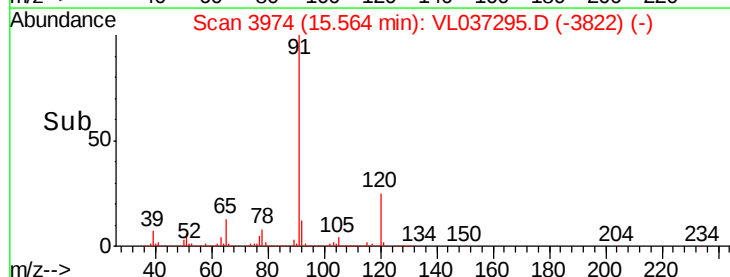
120 100

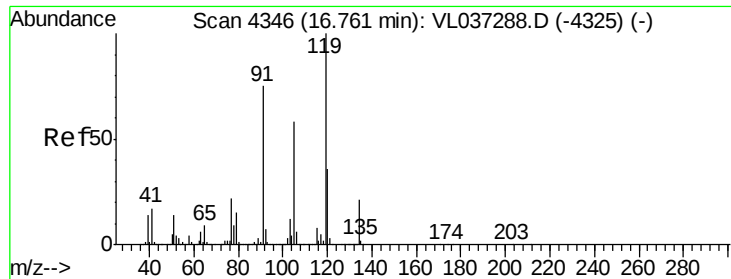
91 429.9 347.0 520.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

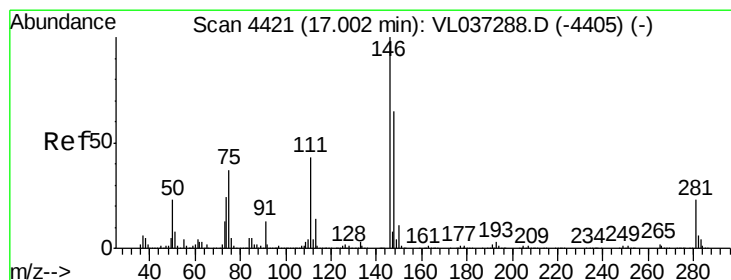
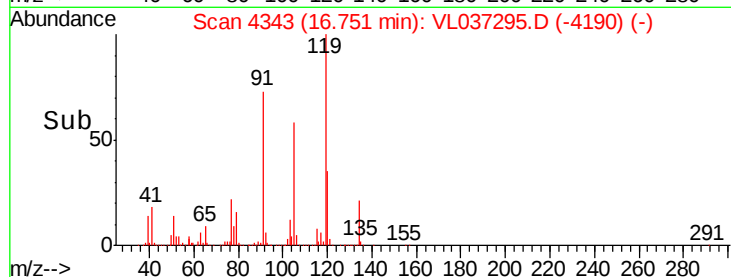
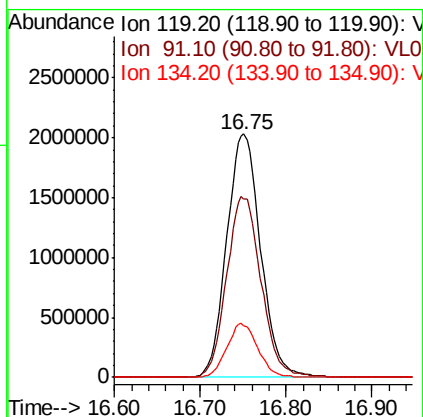
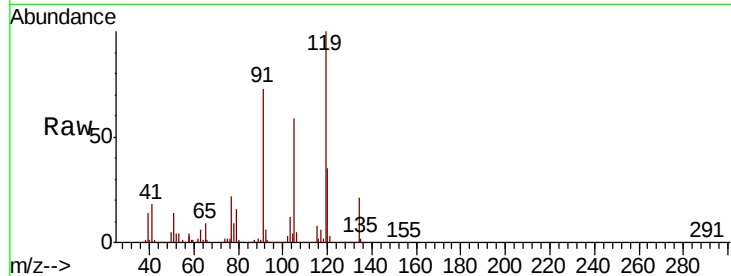




#65
tert-Butylbenzene
Concen: 7.906 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

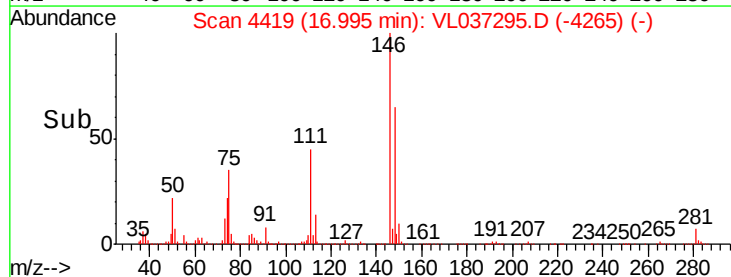
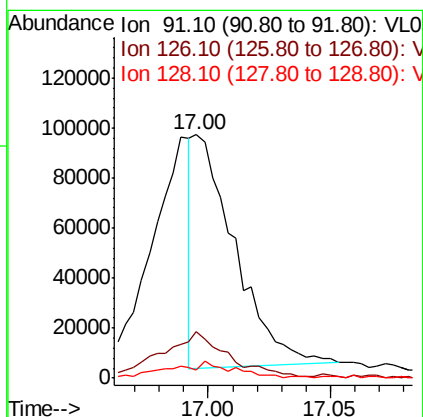
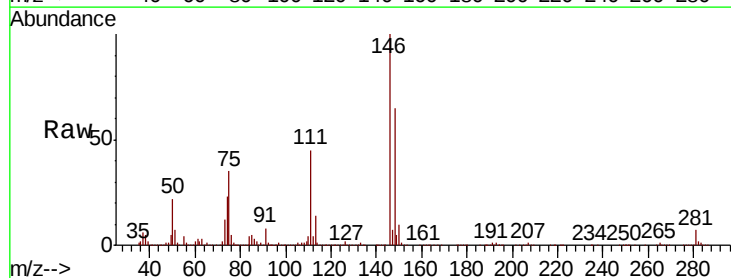
Instrument :
MSVOA_L
ClientSampled :

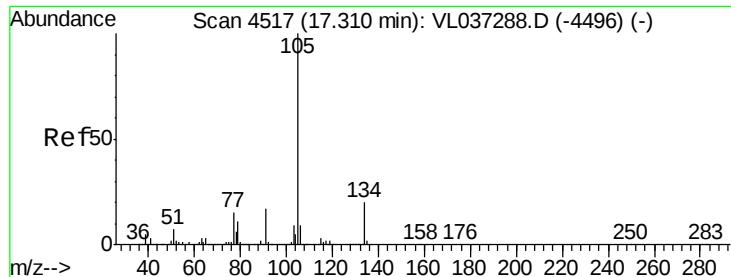
Tot Ion:119 Resp: 5571402
Ion Ratio Lower Upper
119 100
91 75.3 60.5 90.7
134 20.4 16.2 24.4



#66
Benzyl Chloride
Concen: 3.150 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. -0.01 min
Lab File: VL037295.D
Acq: 30 Jul 2021 21:52

Tgt Ion: 91 Resp: 109089
Ion Ratio Lower Upper
91 100
126 35.6 15.4 23.0#
128 13.4 5.0 7.4#





#67

sec-Butylbenzene

Concen: 7.946 ppbv

RT: 17.30 min Scan# 4513

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

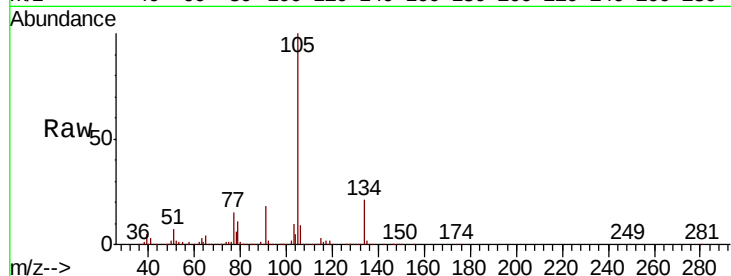
ClientSampleId :

Tot Ion:105 Resp: 7403547

Ion Ratio Lower Upper

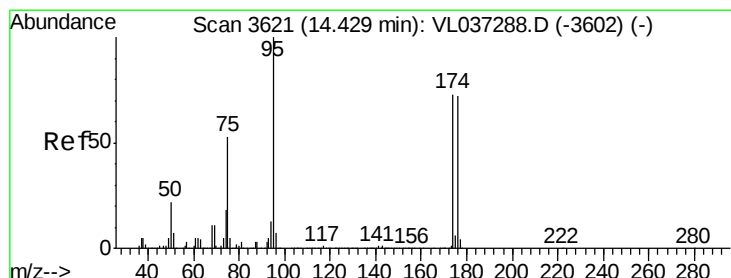
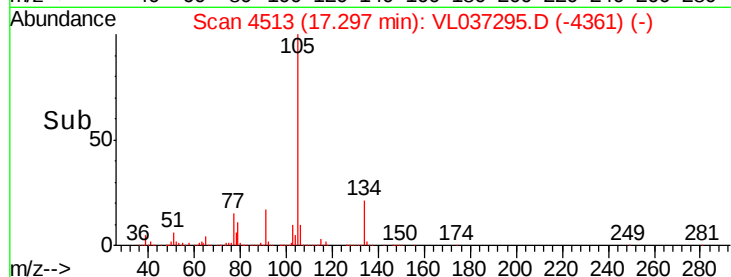
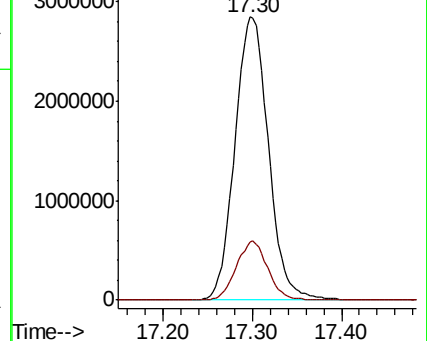
105 100

134 19.8 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: 8.173 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

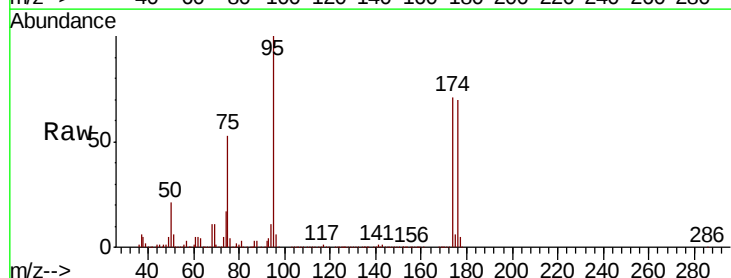
Tgt Ion: 95 Resp: 2833711

Ion Ratio Lower Upper

95 100

174 74.5 59.8 89.6

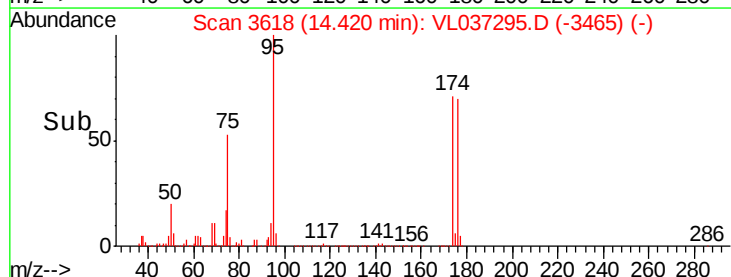
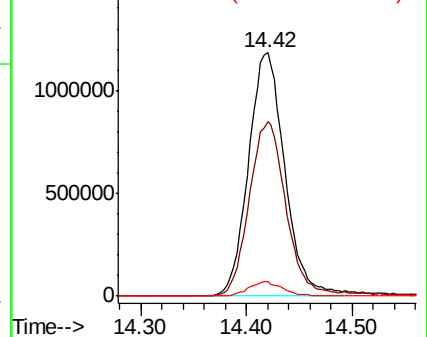
175 5.6 4.5 6.7

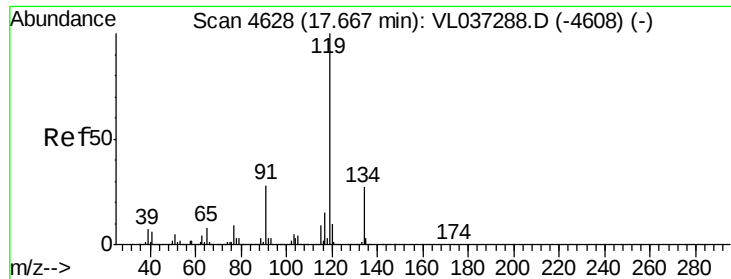


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

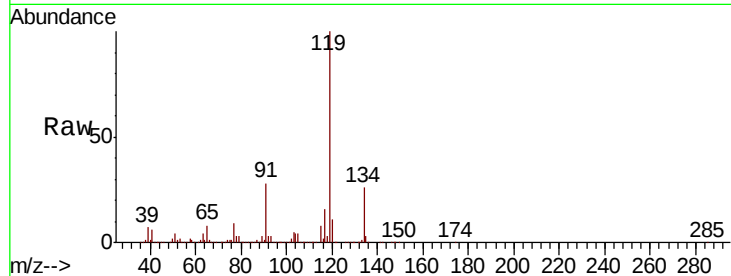




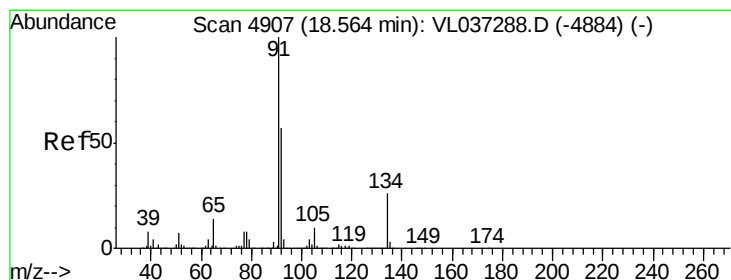
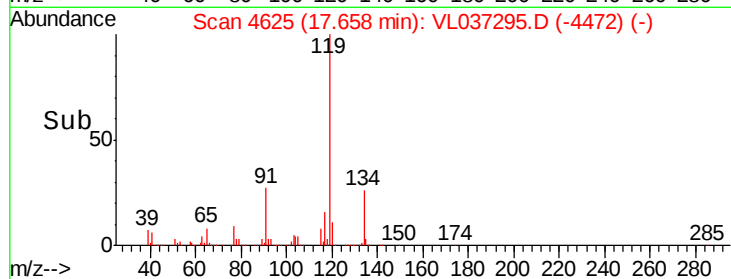
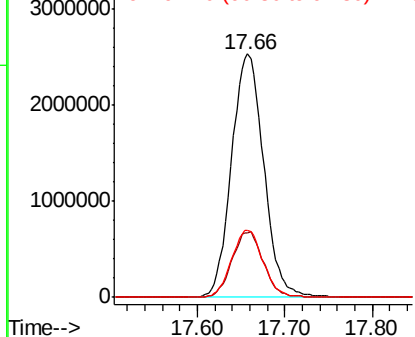
#69
 p-Isopropyltoluene
 Concen: 8.094 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6456510
 Ion Ratio Lower Upper
 119 100
 134 26.3 21.1 31.7
 91 27.1 21.8 32.6

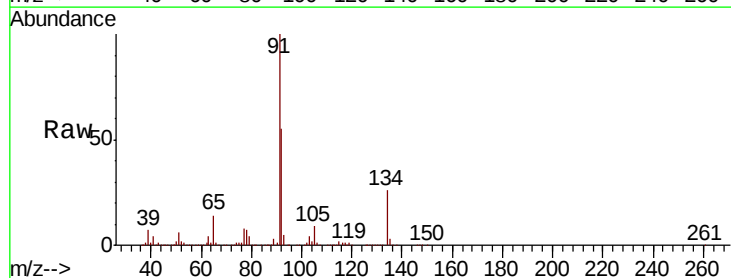


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

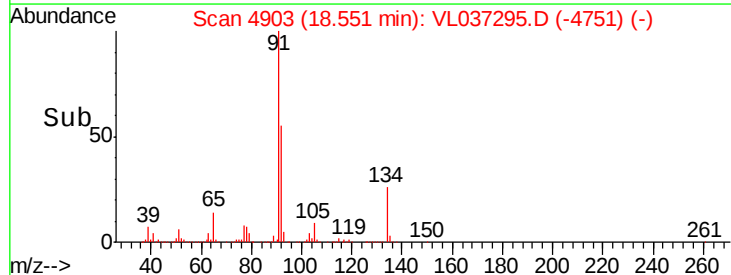
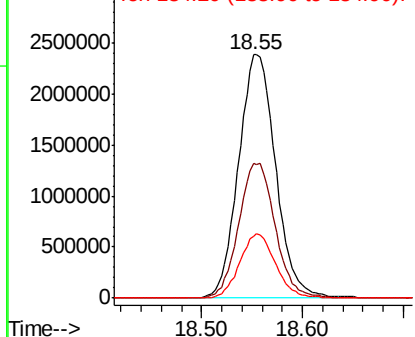


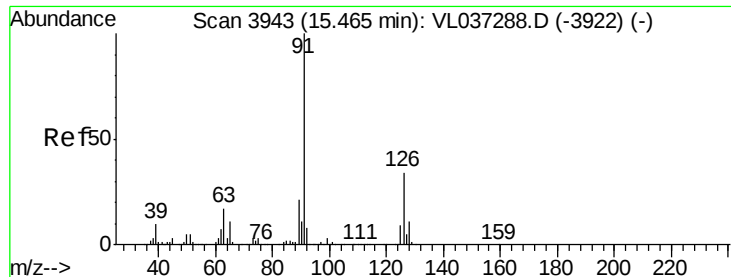
#70
 n-Butylbenzene
 Concen: 8.061 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion: 91 Resp: 6067533
 Ion Ratio Lower Upper
 91 100
 92 54.8 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: 8.099 ppbv

RT: 15.46 min Scan# 3940

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Instrument :

MSVOA_L

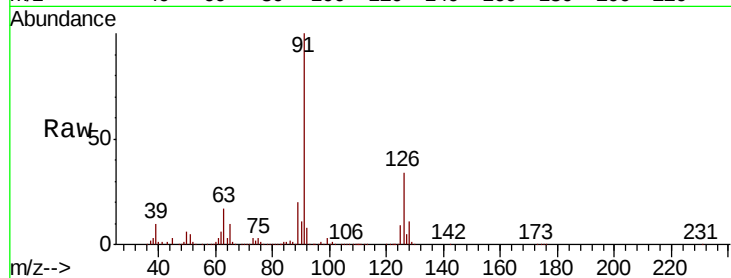
ClientSampleId :

Tot Ion: 91 Resp: 4394652

Ion Ratio Lower Upper

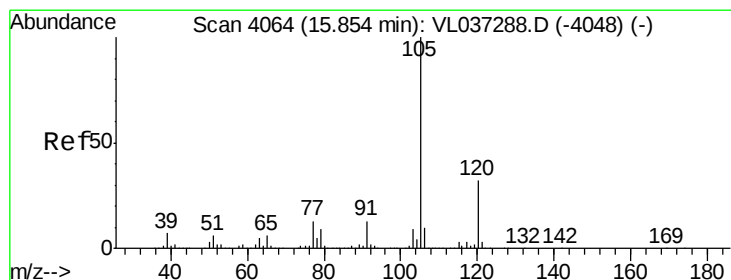
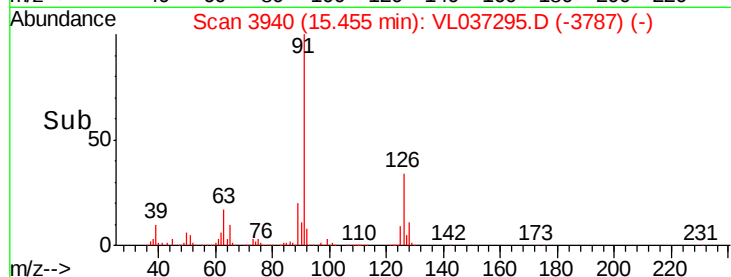
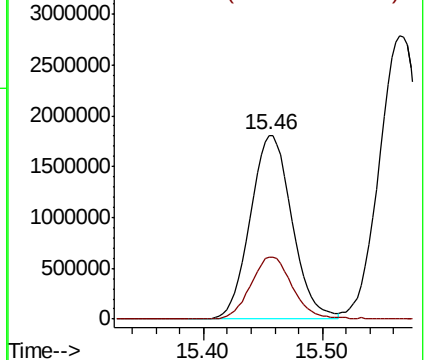
91 100

126 34.4 13.8 55.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.397 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Tgt Ion:105 Resp: 5359605

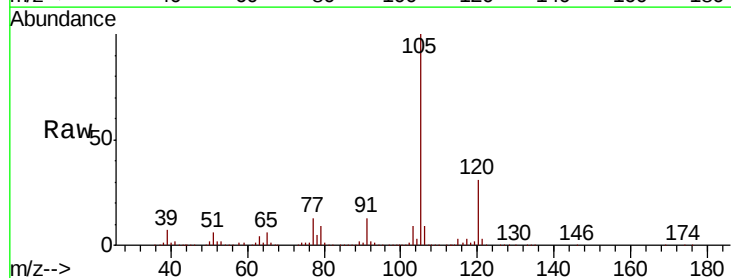
Ion Ratio Lower Upper

105 100

120 30.5 24.3 36.5

91 12.0 9.6 14.4

77 12.8 10.3 15.5

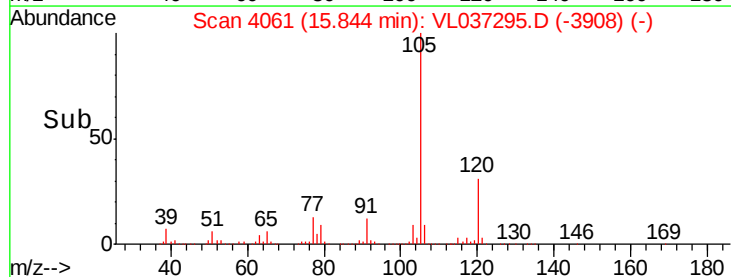
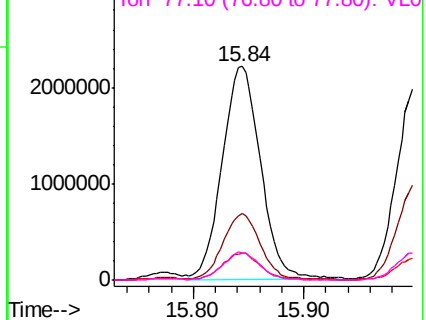


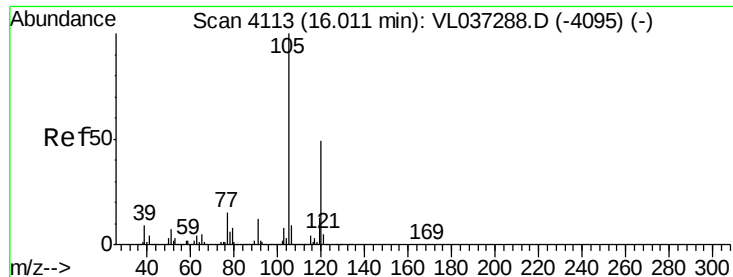
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

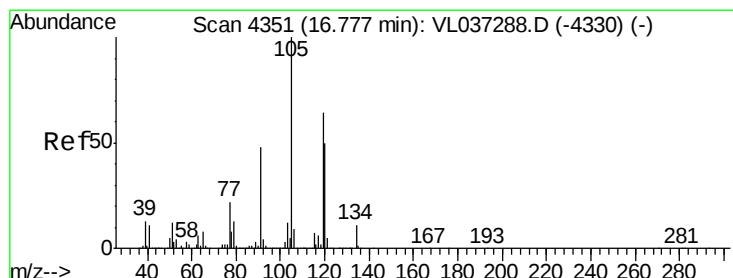
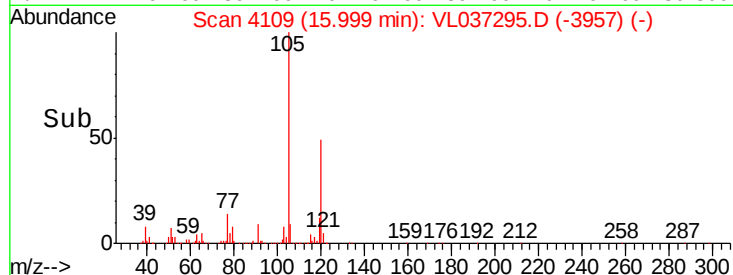
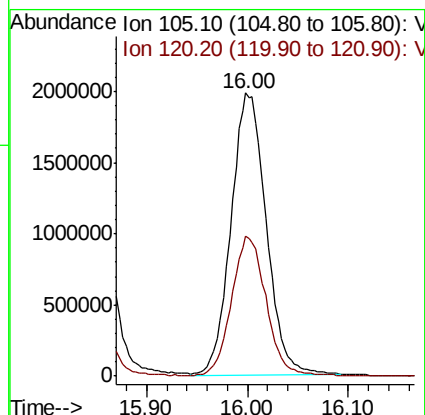
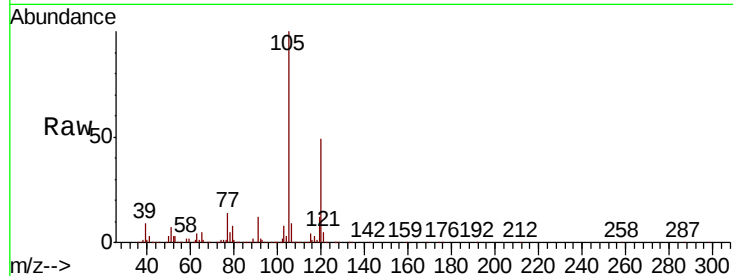




#73
 1,3,5-Trimethylbenzene
 Concen: 8.132 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

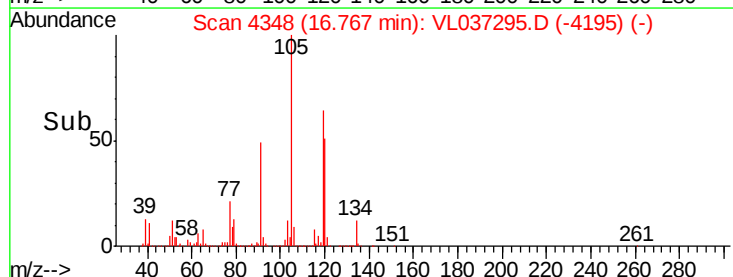
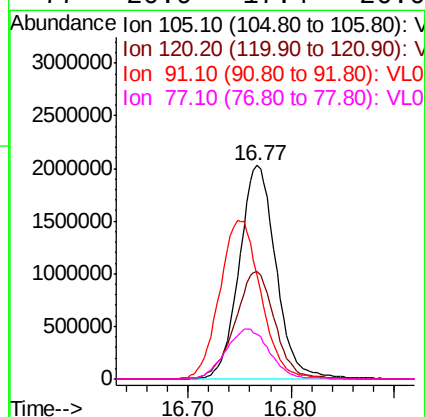
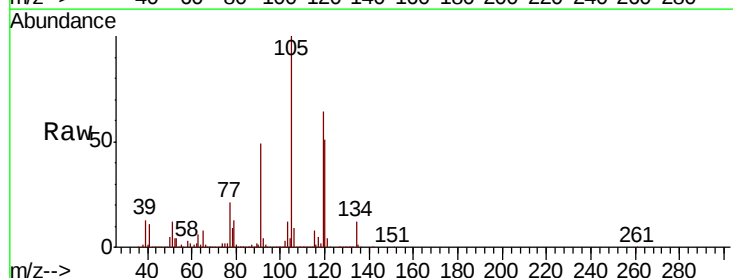
Instrument :
 MSVOA_L
 ClientSampleId :

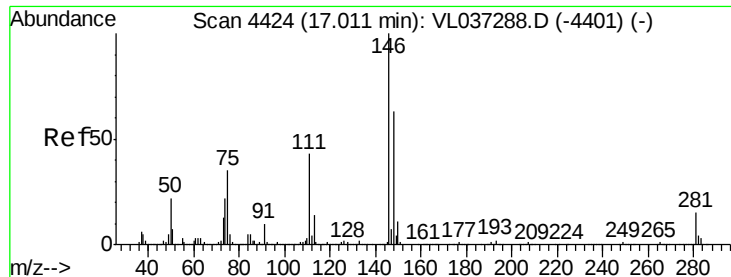
Tot Ion:105 Resp: 4794133
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.698 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion:105 Resp: 5002894
 Ion Ratio Lower Upper
 105 100
 120 50.3 40.2 60.4
 91 48.4 39.0 58.6
 77 20.9 17.4 26.0

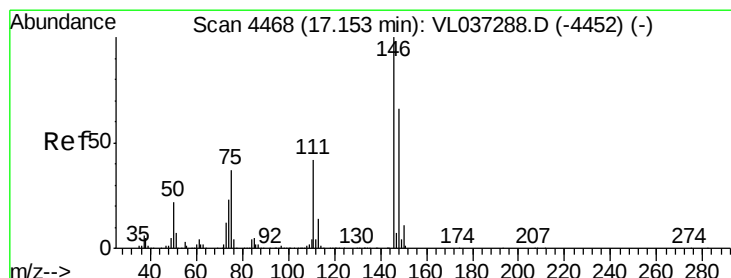
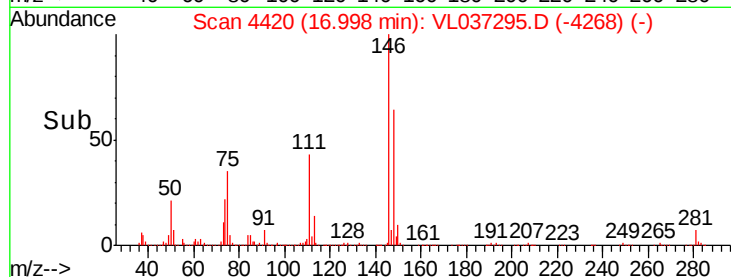
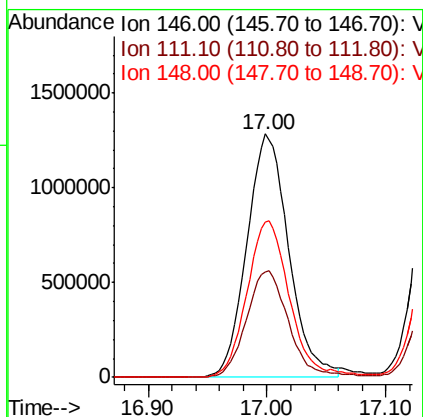
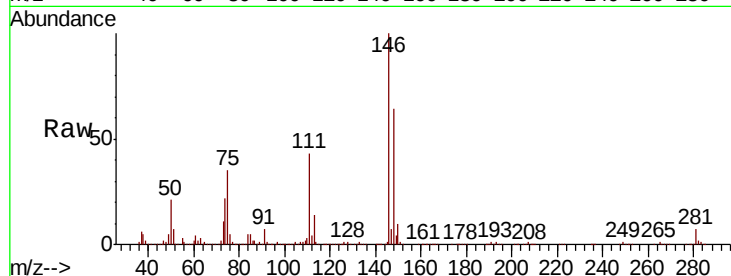




#75
 1,3-Dichlorobenzene
 Concen: 8.009 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

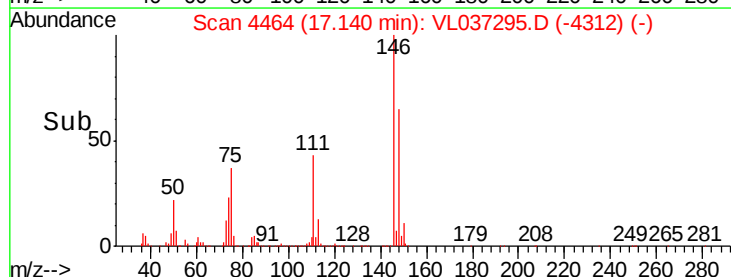
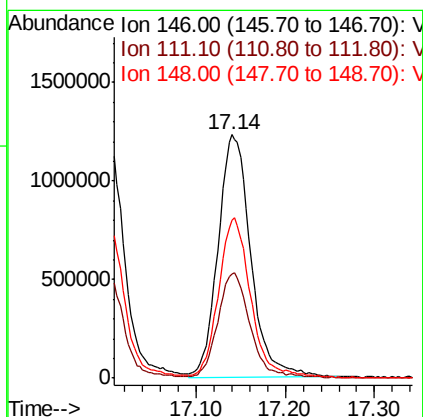
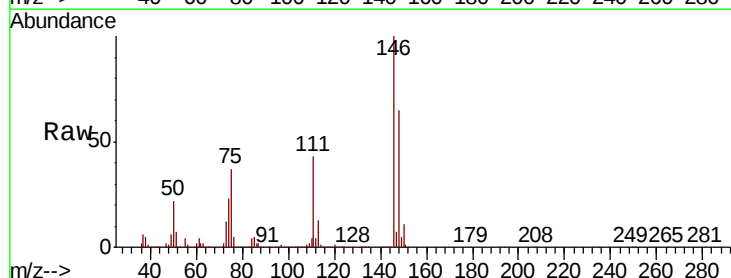
Instrument :
 MSVOA_L
 ClientSampleId :

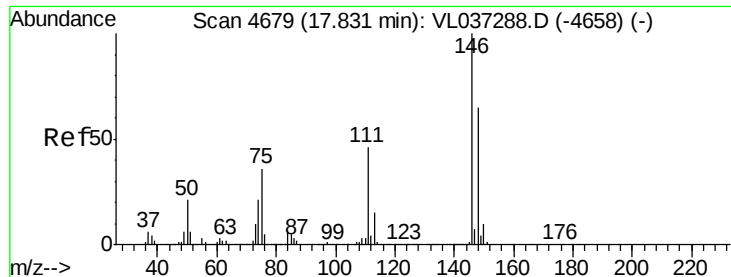
Tot Ion:146 Resp: 3130014
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.7 65.1
 148 65.4 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 7.737 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion:146 Resp: 3121673
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.2 63.6
 148 65.2 32.9 98.6

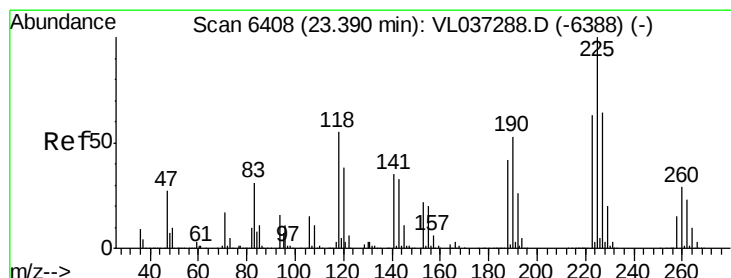
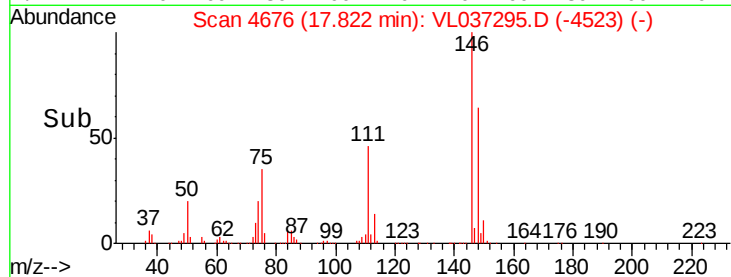
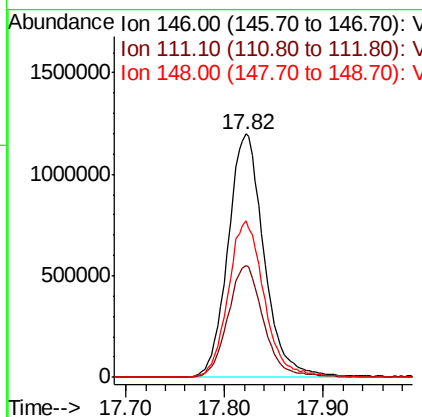
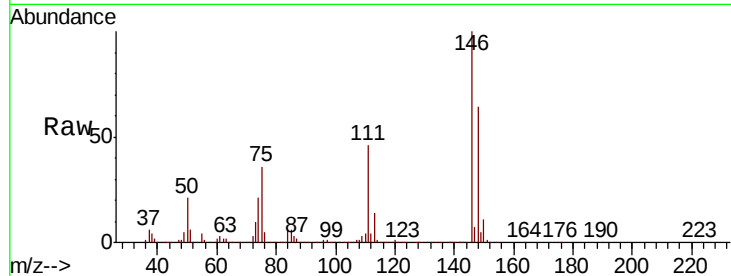




#77
 1,2-Dichlorobenzene
 Concen: 8.046 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

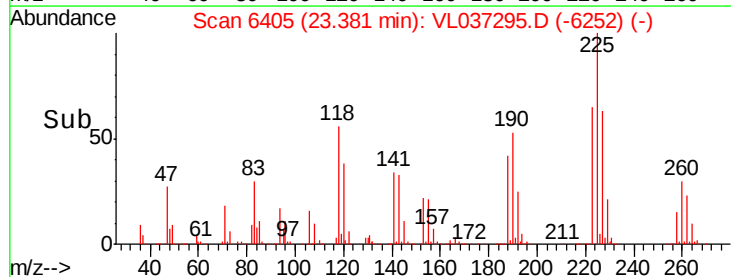
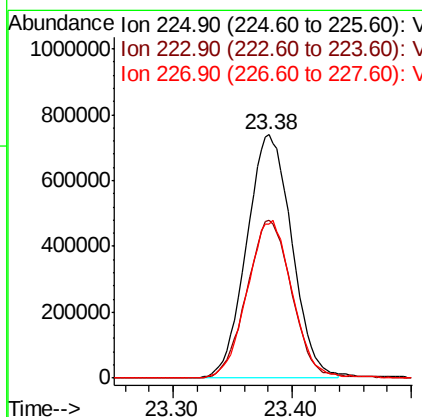
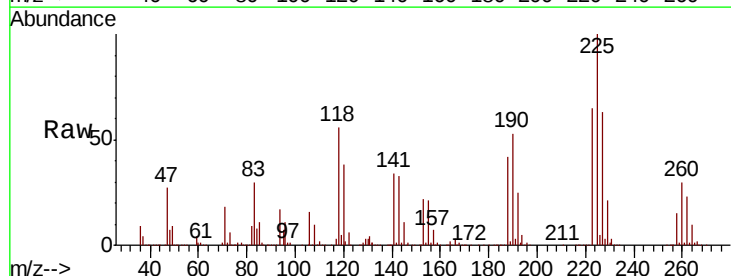
Instrument :
 MSVOA_L
 ClientSampleId :

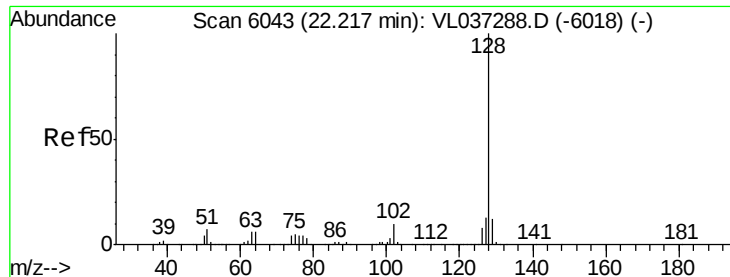
Tot Ion:146 Resp: 3018467
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.6 67.7
 148 64.8 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.911 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Tgt Ion:225 Resp: 1944960
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.7 77.5
 227 64.9 51.8 77.8





#79

Naphthalene

Concen: 7.313 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

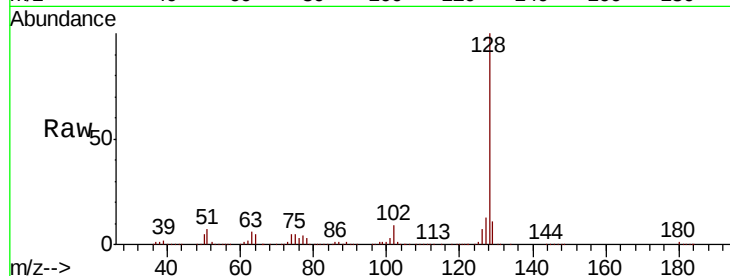
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3722511

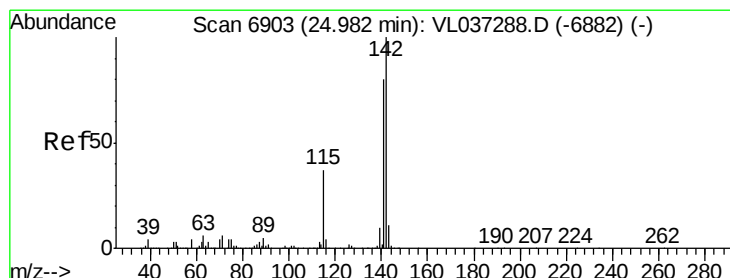
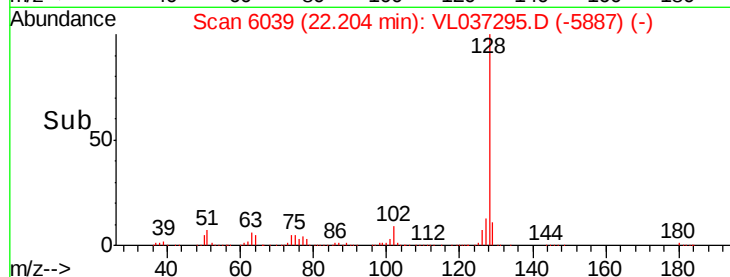
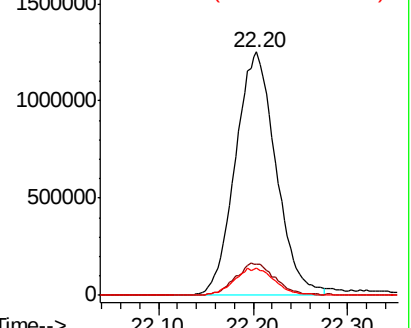
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	11.0	9.4	14.2



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: 8.533 ppbv

RT: 24.98 min Scan# 6901

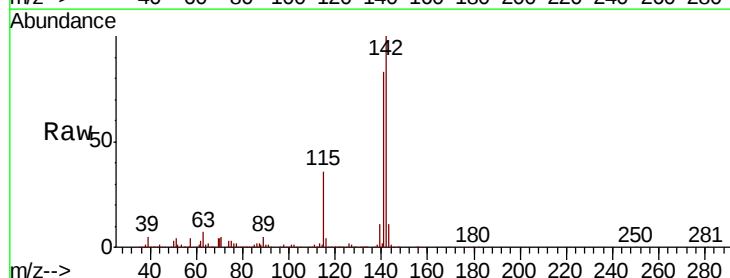
Delta R.T. -0.01 min

Lab File: VL037295.D

Acq: 30 Jul 2021 21:52

Tgt Ion:142 Resp: 1248945

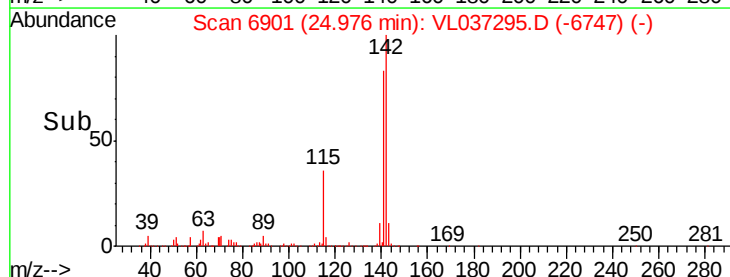
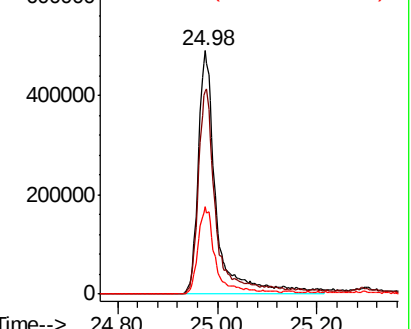
Ion	Ratio	Lower	Upper
142	100		
141	83.4	67.0	100.6
115	35.3	28.6	42.8

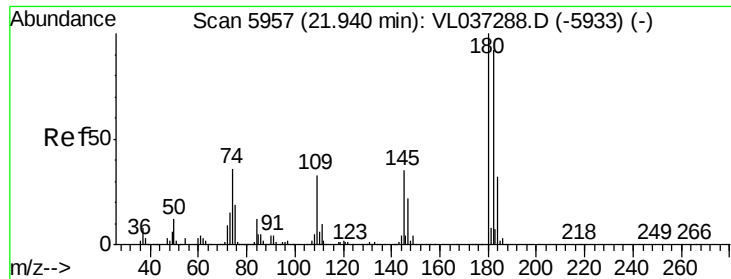


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 3.582 ppbv
 RT: 21.93 min Scan# 5953
 Delta R.T. -0.01 min
 Lab File: VL037295.D
 Acq: 30 Jul 2021 21:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1100248
 Ion Ratio Lower Upper
 180 100
 182 0.0 80.8 121.2#
 184 0.0 25.4 38.2#

