

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037279.D
 Acq On : 27 Jul 2021 2:35
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 06:41:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1373250	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3998351	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4720370	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2936729	8.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2226955	9.194	ppbv	100
3) Chlorodifluoromethane	2.99	51	2497569	9.270	ppbv	100
4) Chloromethane	3.14	50	860404	9.594	ppbv	100
5) Vinyl Chloride	3.25	62	889495	9.105	ppbv	100
6) Bromomethane	3.47	94	516572	8.949	ppbv	100
7) Chloroethane	3.56	64	346052	9.720	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2338173	9.436	ppbv	100
9) Propene	3.01	41	794140	9.257	ppbv	100
10) Heptane	8.12	43	2039261	9.782	ppbv	100
11) Trichlorofluoromethane	3.95	101	2518021	9.730	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1805504	9.873	ppbv	100
13) Ethanol	3.60	45	36734	2.826	ppbv #	37
14) Bromoethene	3.74	108	755033	9.952	ppbv	100
15) Acetone	3.85	43	1355025	8.512	ppbv	100
16) 1,3-Butadiene	3.32	39	915441	9.902	ppbv	100
17) tert-Butyl alcohol	4.29	59	1504256	10.442	ppbv	100
18) 1,1-Dichloroethene	4.29	96	817043	10.062	ppbv	100
19) Isopropyl Alcohol	3.97	45	807753	8.735	ppbv	98
20) Methylene Chloride	4.34	84	708973	7.512	ppbv	100
21) Allyl Chloride	4.41	41	1203747	10.110	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	797278	9.953	ppbv	100
23) Vinyl Acetate	5.08	43	2152331	9.633	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1807900	9.977	ppbv	100
25) Ethyl Acetate	5.68	43	3221876	9.520	ppbv	100
26) Hexane	5.69	57	1520205	8.919	ppbv	100
27) Carbon Disulfide	4.55	76	1852228	10.999	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2007610	9.791	ppbv	100
29) Chloroform	5.75	83	2562794	9.659	ppbv	100
30) Cyclohexane	7.13	84	1336785	9.407	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1537192	9.776	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2662756	9.429	ppbv	100
34) 2-Butanone	5.25	43	1538852	9.703	ppbv	99
35) Carbon Tetrachloride	7.02	117	2888439	10.630	ppbv	100
36) Benzene	6.89	78	3157740	9.703	ppbv	100
37) 1,2-Dichloroethane	6.31	62	1963255	10.255	ppbv	100
38) Trichloroethene	7.84	130	1361999	8.802	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1213707	10.038	ppbv	100
40) 1,4-Dioxane	7.84	88	314631	9.614	ppbv #	100
41) Tetrahydrofuran	6.05	42	735067	10.074	ppbv	100
42) Bromodichloromethane	7.80	83	2717057	10.380	ppbv	100
43) Methyl Methacrylate	8.02	69	1165878	10.364	ppbv	100

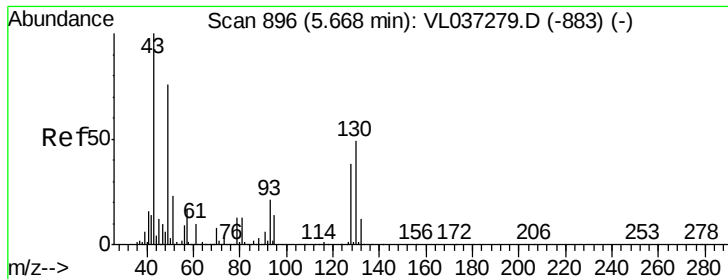
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5260375	9.570	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1088001	11.214	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1387807	10.417	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1360134	9.821	ppbv	100
48) Dibromochloromethane	10.31	129	2481200	11.278	ppbv	100
49) Bromoform	13.05	173	2067558	12.454	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2344619	10.749	ppbv	100
51) 2-Hexanone	10.14	43	1195847	11.208	ppbv	99
52) Tetrachloroethene	11.23	164	1312670	8.701	ppbv	100
53) Toluene	9.81	91	3821153	9.805	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2034592	10.207	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1703517	8.130	ppbv #	66
57) Chlorobenzene	12.15	112	2943937	7.612	ppbv	100
58) Ethyl Benzene	12.72	91	5109787	7.793	ppbv	100
59) m/p-Xylene	13.00	91	4823165	8.648	ppbv #	44
60) o-Xylene	13.70	91	4161615	7.818	ppbv	100
61) Styrene	13.54	104	2316128	8.510	ppbv	100
62) Isopropylbenzene	14.67	105	5819433	7.685	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2843083	8.000	ppbv	100
64) n-propylbenzene	15.57	120	1535001	8.122	ppbv	100
65) tert-Butylbenzene	16.75	119	5338716	7.902	ppbv	100
66) Benzyl Chloride	16.99	91	235113	8.171	ppbv	99
67) sec-Butylbenzene	17.30	105	7047886	7.834	ppbv	100
69) p-Isopropyltoluene	17.66	119	6058603	7.984	ppbv	100
70) n-Butylbenzene	18.56	91	5666132	8.074	ppbv	100
71) 2-Chlorotoluene	15.46	91	4258918	8.016	ppbv	100
72) 4-Ethyltoluene	15.84	105	4978134	8.207	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4552762	7.765	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4762731	7.882	ppbv	100
75) 1,3-Dichlorobenzene	17.00	146	2876312	7.842	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2728819	7.460	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2761737	7.760	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1726734	5.834	ppbv	99
79) Naphthalene	22.20	128	3159682	6.680	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	590424	5.197	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	1862842	6.714	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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ClientSampleId :

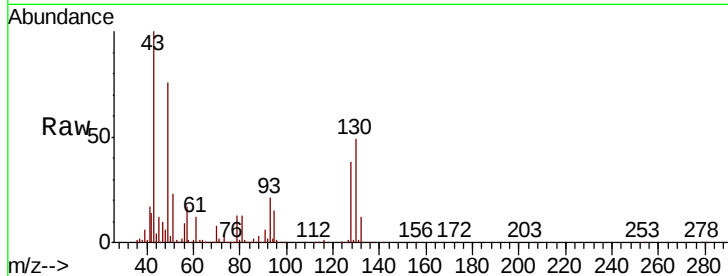
Tot Ion: 49 Resp: 1373250

Ion Ratio Lower Upper

49 100

128 56.8 28.4 85.2

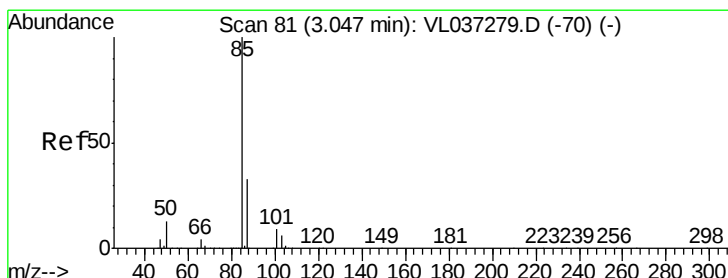
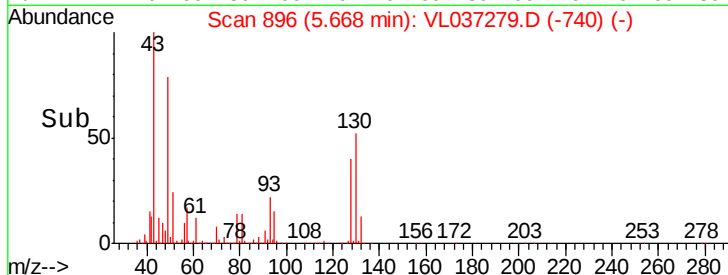
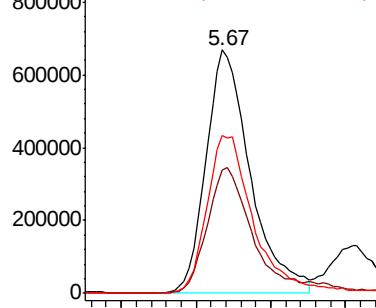
130 70.0 34.8 104.5



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: 9.194 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037279.D

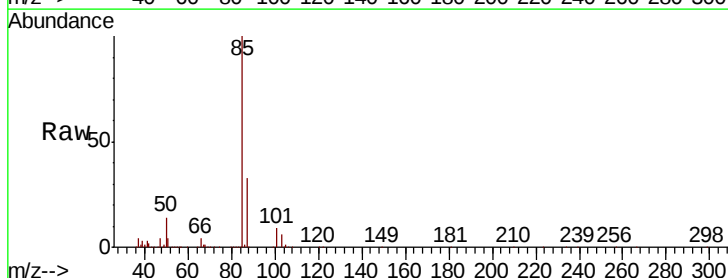
Acq: 27 Jul 2021 2:35

Tgt Ion: 85 Resp: 2226955

Ion Ratio Lower Upper

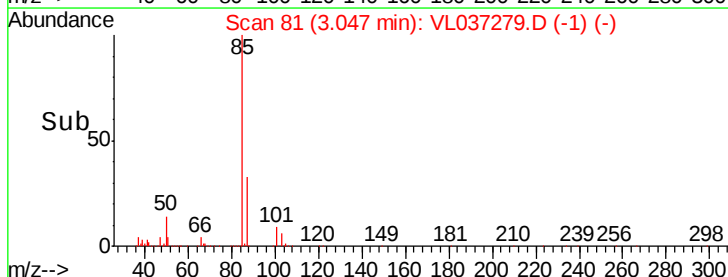
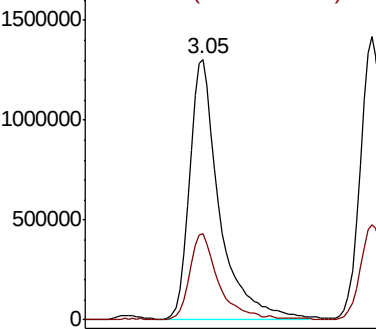
85 100

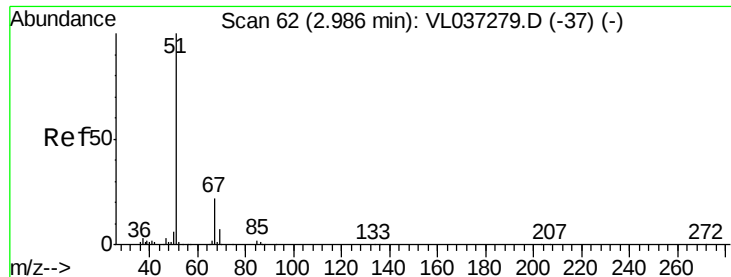
87 33.2 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

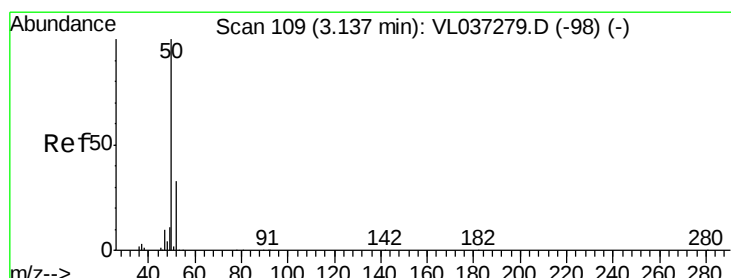
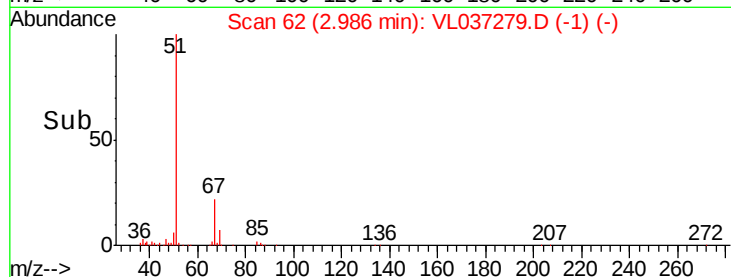
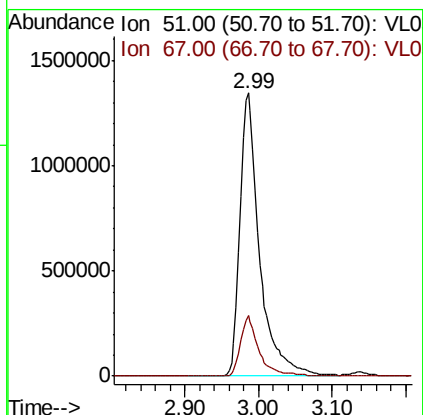
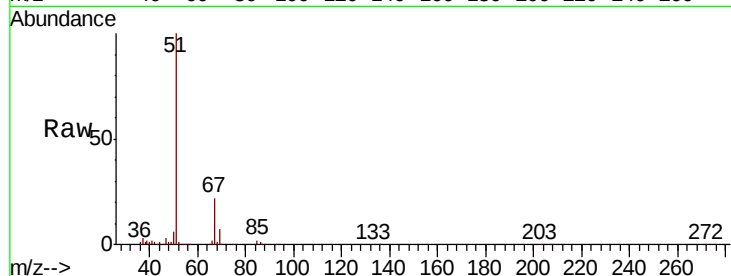




#3
Chlorodifluoromethane
Concen: 9.270 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

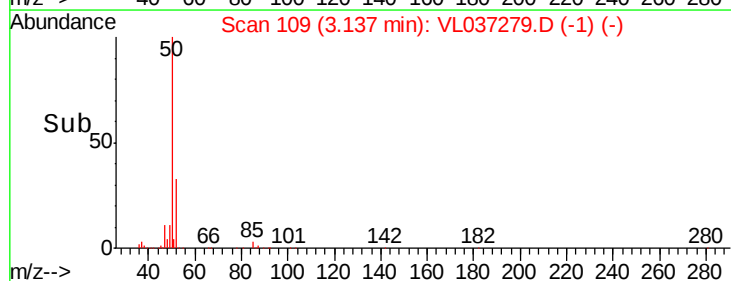
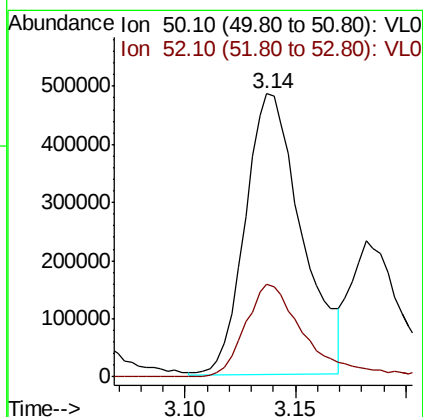
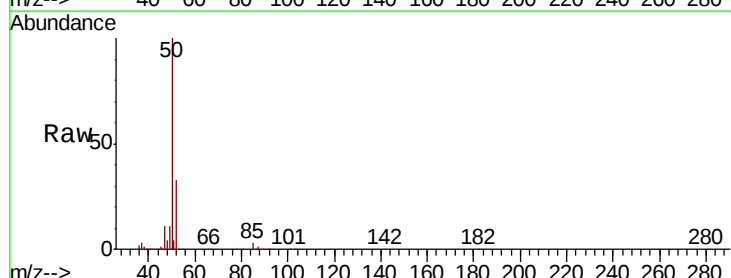
Instrument :
MSVOA_L
ClientSampleId :

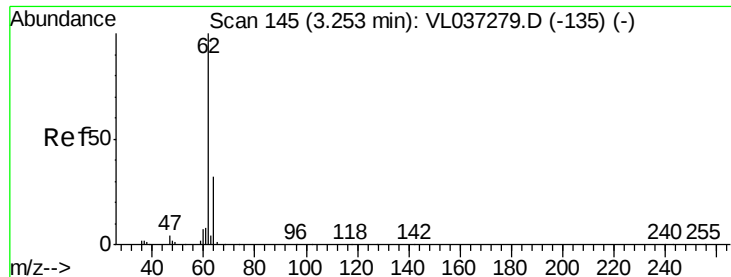
Tot Ion: 51 Resp: 2497569
Ion Ratio Lower Upper
51 100
67 20.3 16.2 24.4



#4
Chloromethane
Concen: 9.594 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 50 Resp: 860404
Ion Ratio Lower Upper
50 100
52 33.0 26.4 39.6





#5

Vinyl Chloride

Concen: 9.105 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

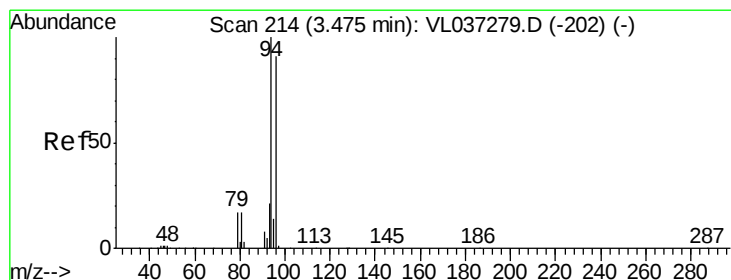
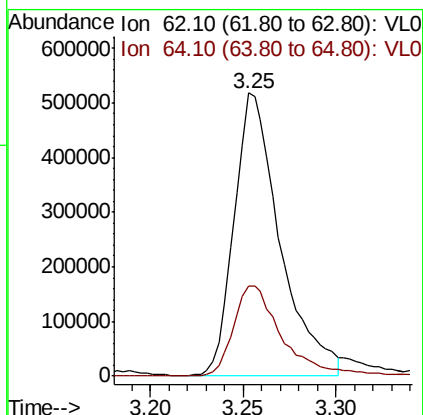
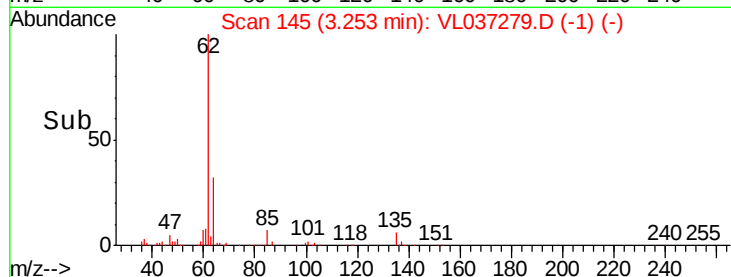
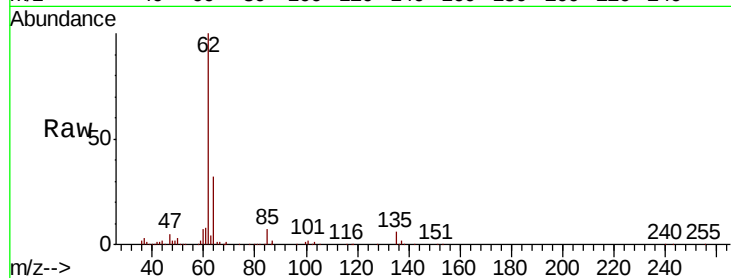
ClientSampleId :

Tot Ion: 62 Resp: 889495

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



#6

Bromomethane

Concen: 8.949 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037279.D

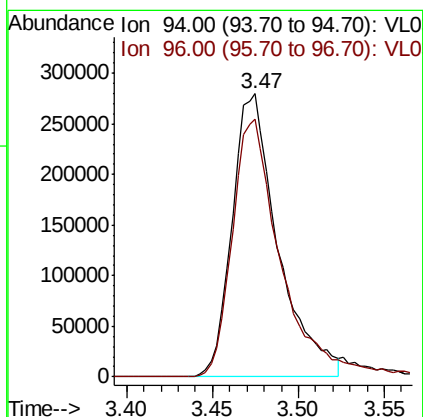
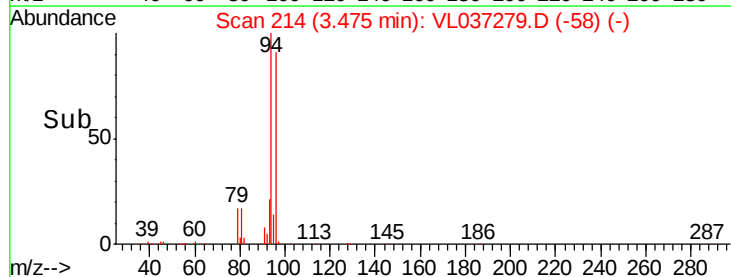
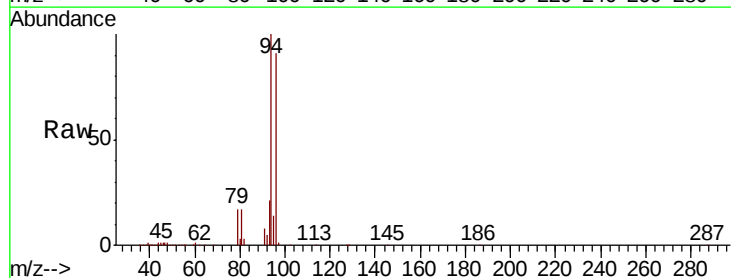
Acq: 27 Jul 2021 2:35

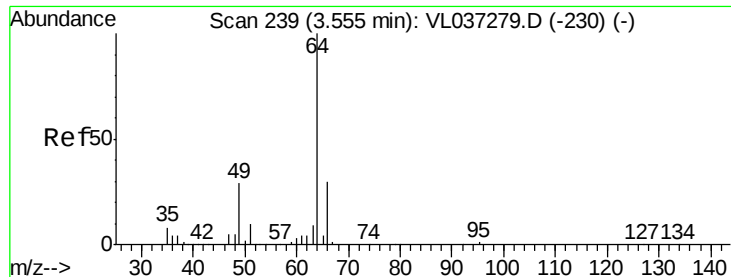
Tgt Ion: 94 Resp: 516572

Ion Ratio Lower Upper

94 100

96 91.2 73.0 109.4





#7

Chloroethane

Concen: 9.720 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

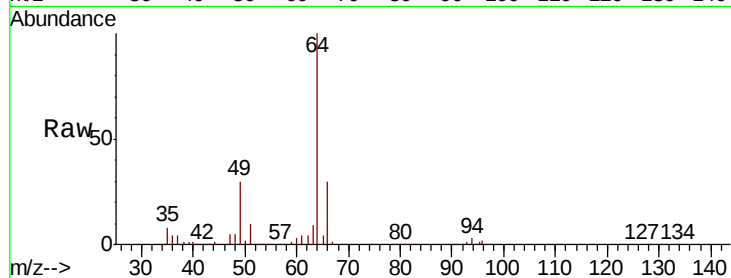
ClientSampleId :

Tot Ion: 64 Resp: 346052

Ion Ratio Lower Upper

64 100

66 30.4 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

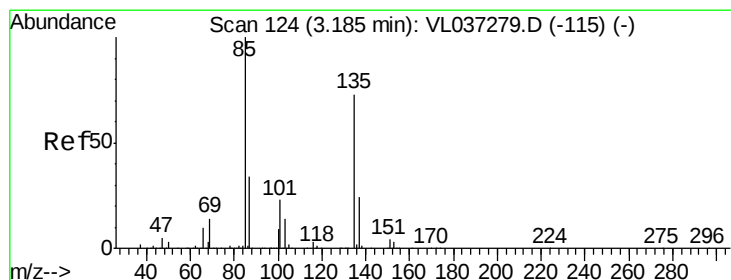
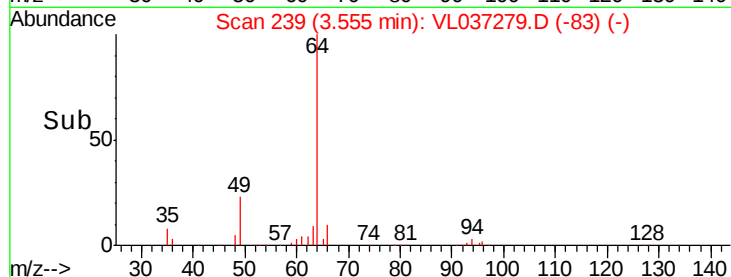
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.436 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037279.D

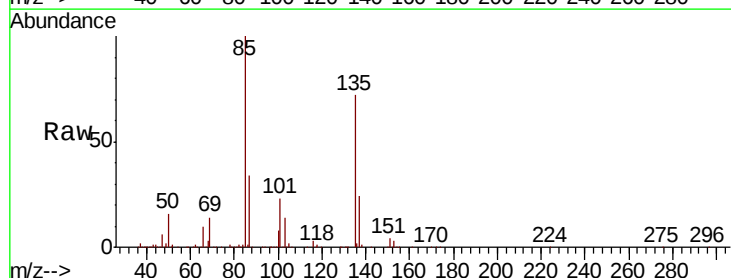
Acq: 27 Jul 2021 2:35

Tgt Ion: 85 Resp: 2338173

Ion Ratio Lower Upper

85 100

135 75.4 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

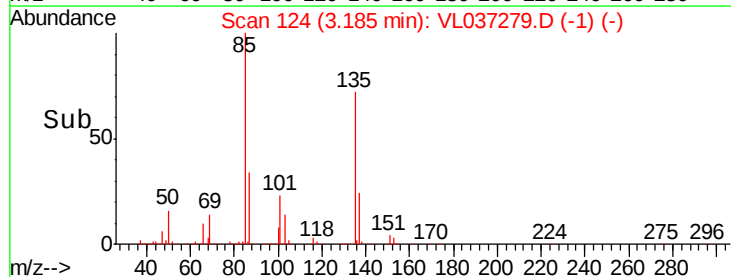
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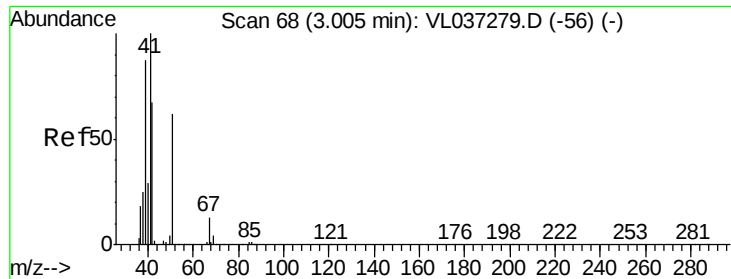
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Time-->





#9

Propene

Concen: 9.257 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

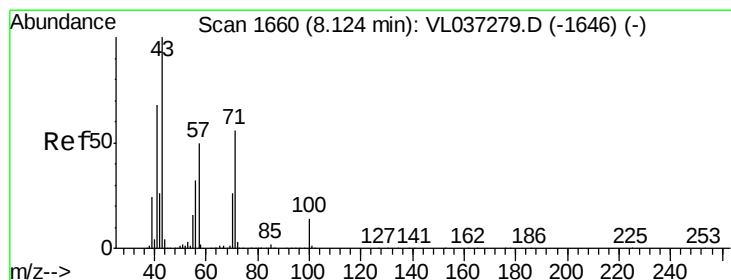
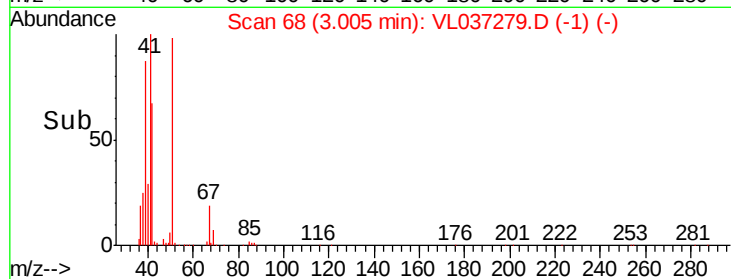
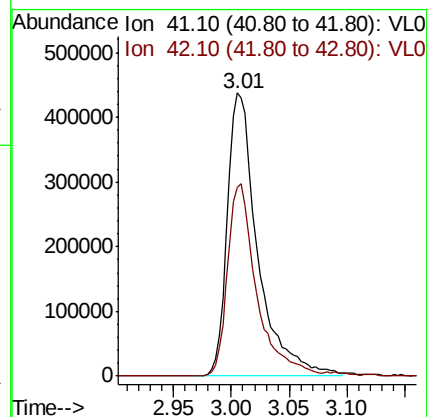
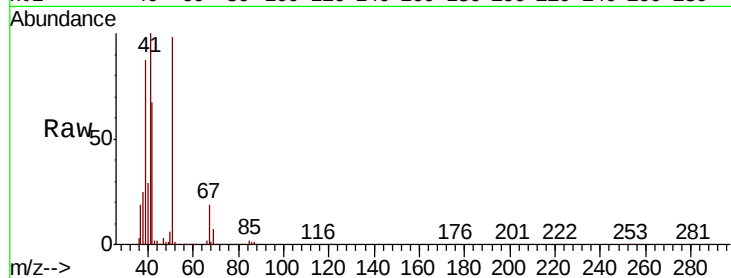
ClientSampleId :

Tot Ion: 41 Resp: 794140

Ion Ratio Lower Upper

41 100

42 66.8 53.4 80.2



#10

Heptane

Concen: 9.782 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037279.D

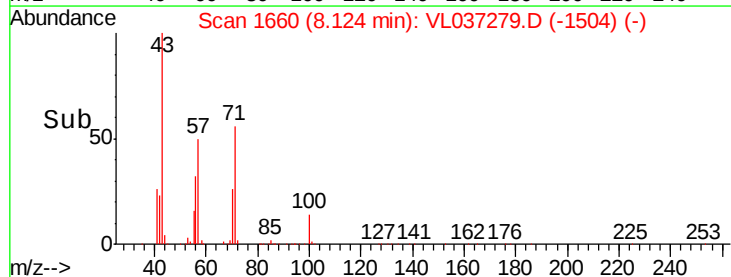
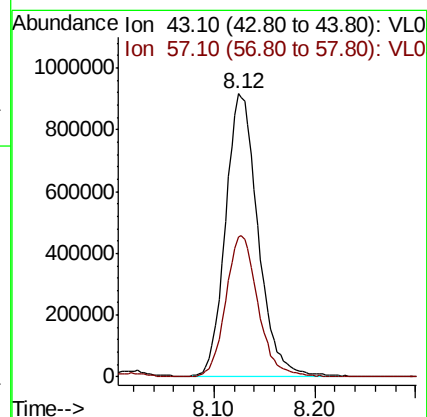
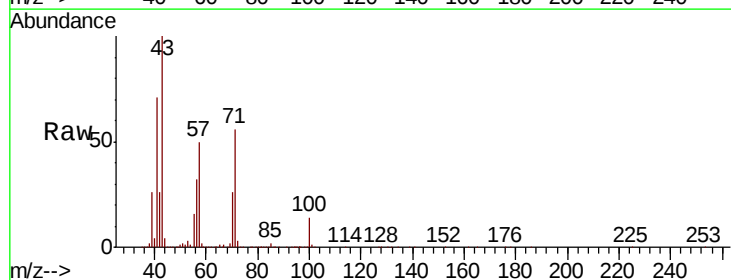
Acq: 27 Jul 2021 2:35

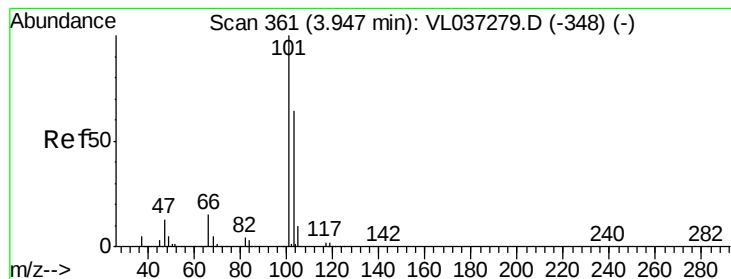
Tgt Ion: 43 Resp: 2039261

Ion Ratio Lower Upper

43 100

57 50.1 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.730 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

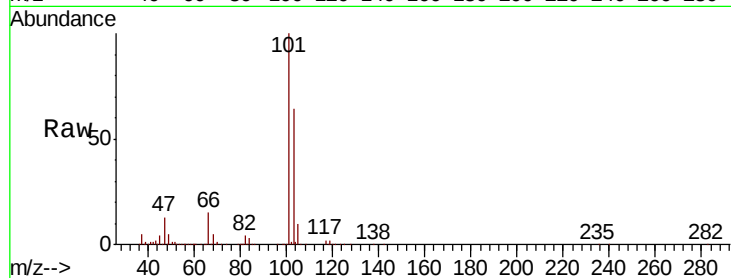
ClientSampleId :

Tot Ion:101 Resp: 2518021

Ion Ratio Lower Upper

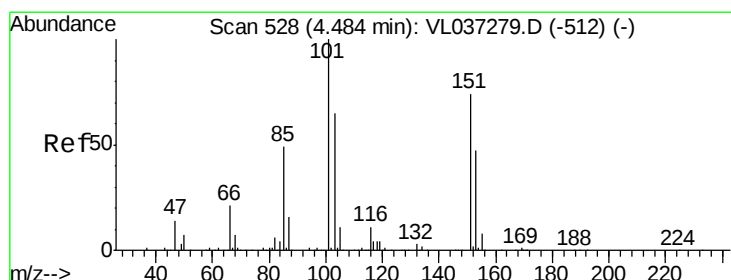
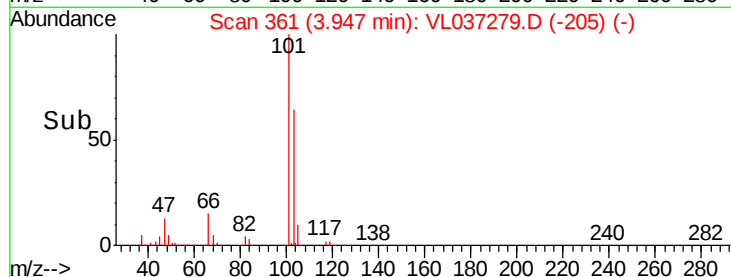
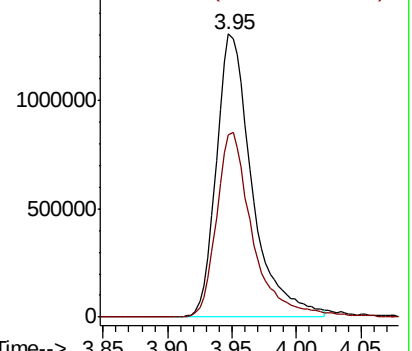
101 100

103 64.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

1500000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.873 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL037279.D

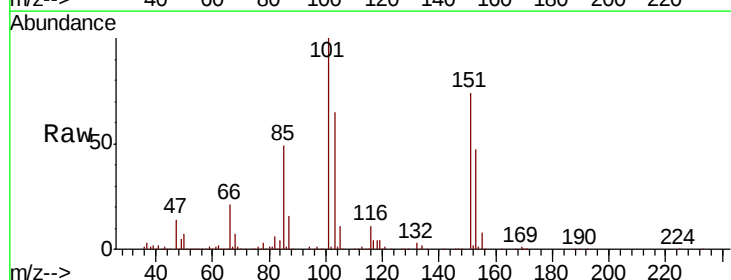
Acq: 27 Jul 2021 2:35

Tgt Ion:101 Resp: 1805504

Ion Ratio Lower Upper

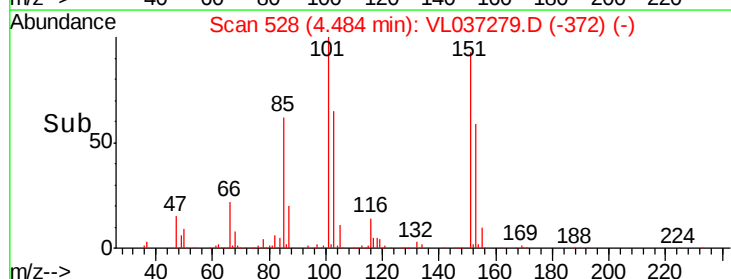
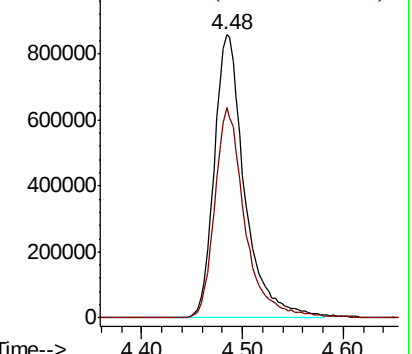
101 100

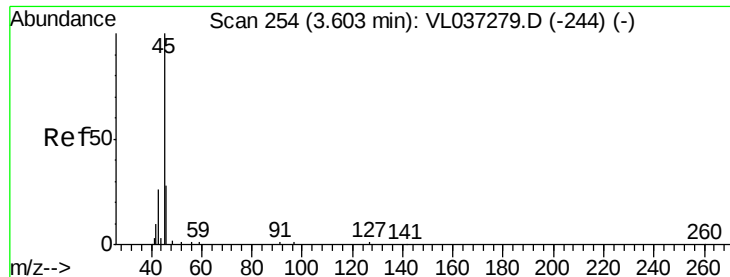
151 74.1 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

1000000 Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.826 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

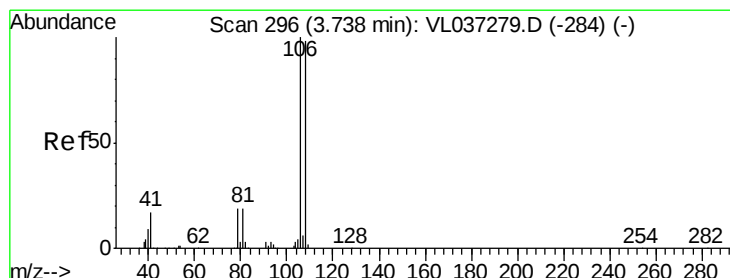
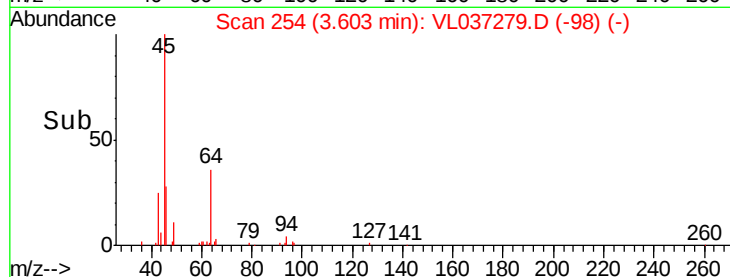
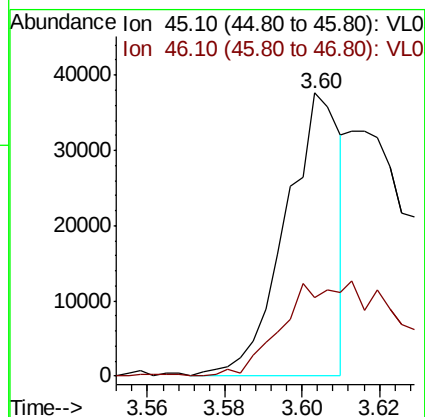
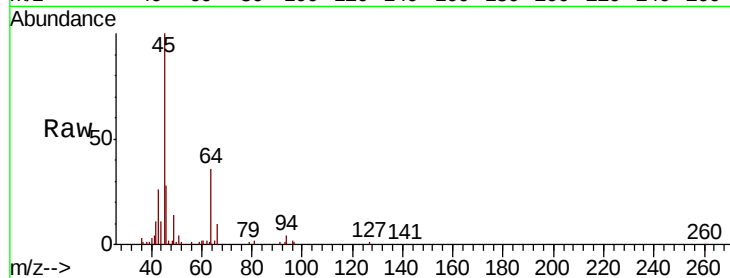
ClientSampleId :

Tot Ion: 45 Resp: 36734

Ion Ratio Lower Upper

45 100

46 0.0 15.1 60.3#



#14

Bromoethene

Concen: 9.952 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

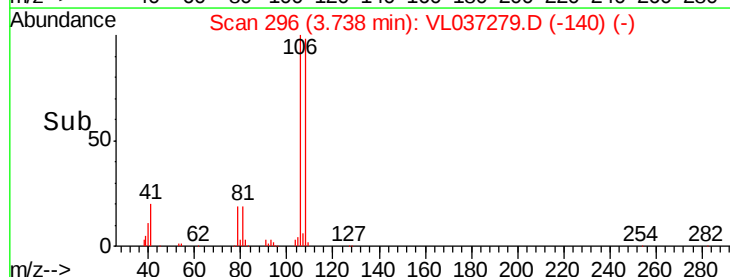
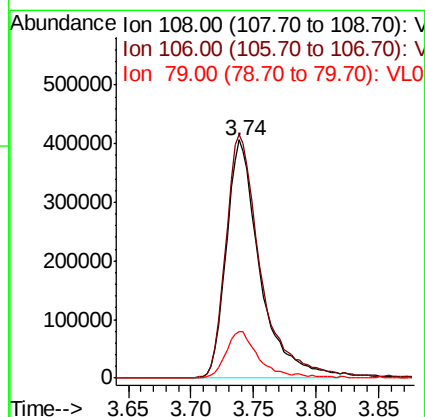
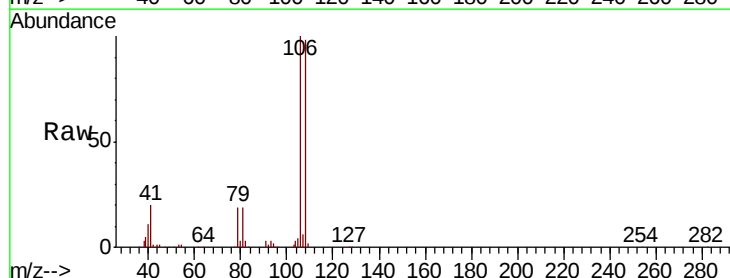
Tgt Ion: 108 Resp: 755033

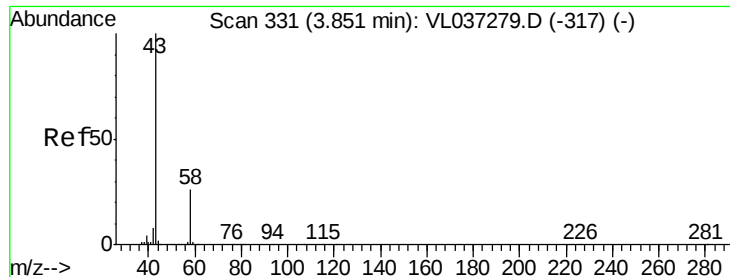
Ion Ratio Lower Upper

108 100

106 107.5 86.0 129.0

79 19.9 16.0 24.0

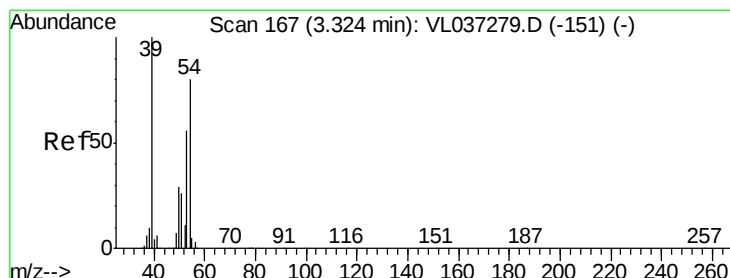
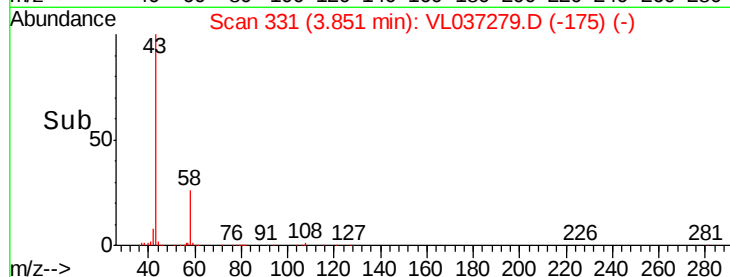
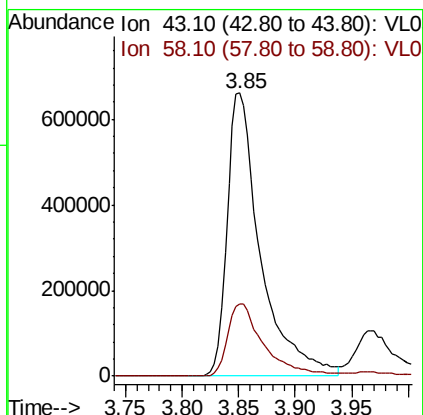
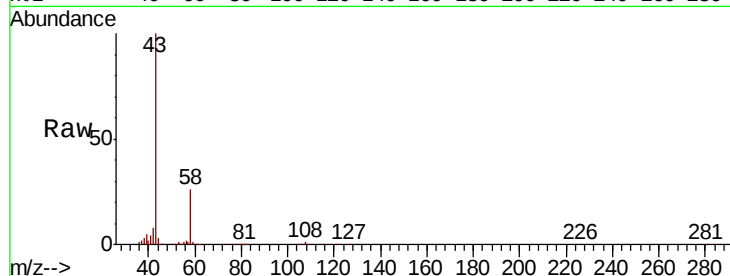




#15
Acetone
Concen: 8.512 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

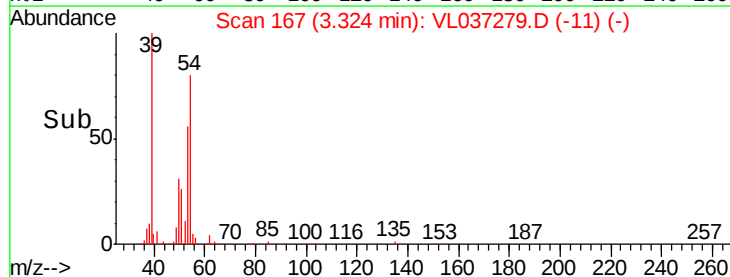
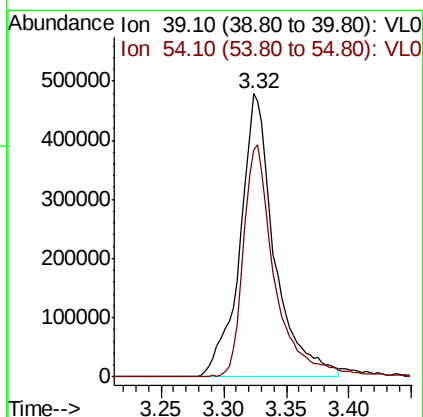
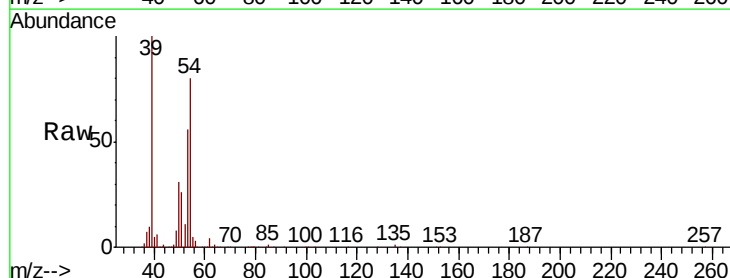
Instrument :
MSVOA_L
ClientSampleId :

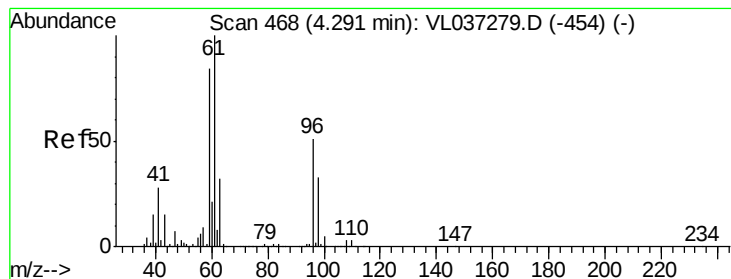
Tot Ion: 43 Resp: 1355025
Ion Ratio Lower Upper
43 100
58 28.0 22.3 33.5



#16
1,3-Butadiene
Concen: 9.902 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 39 Resp: 915441
Ion Ratio Lower Upper
39 100
54 75.6 60.4 90.6



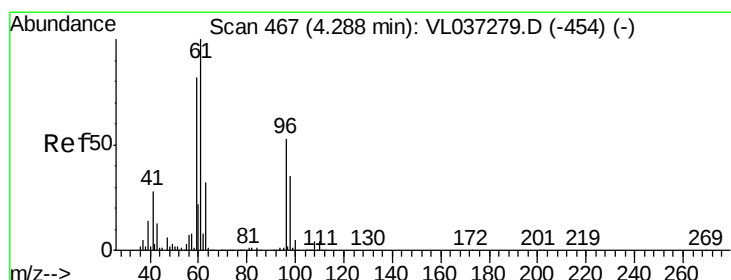
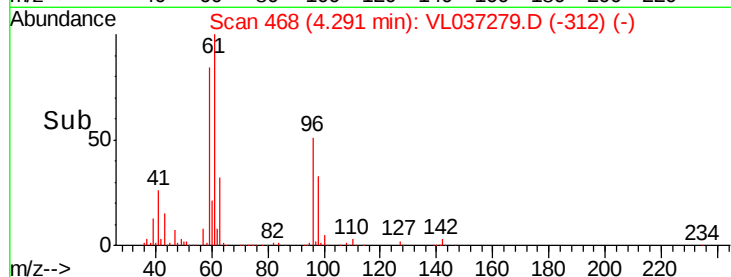
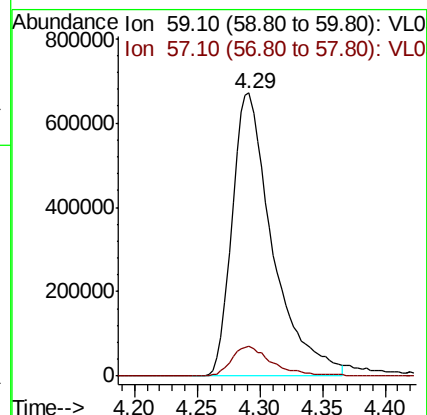
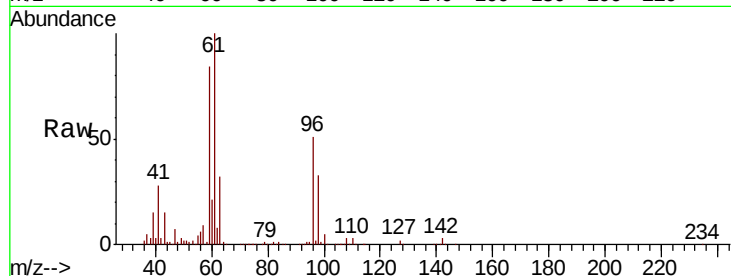


#17

tert-Butyl alcohol
 Concen: 10.442 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampled :

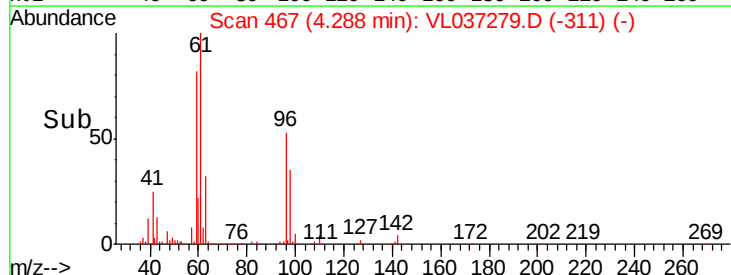
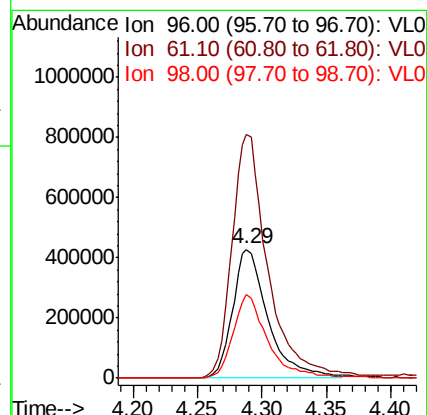
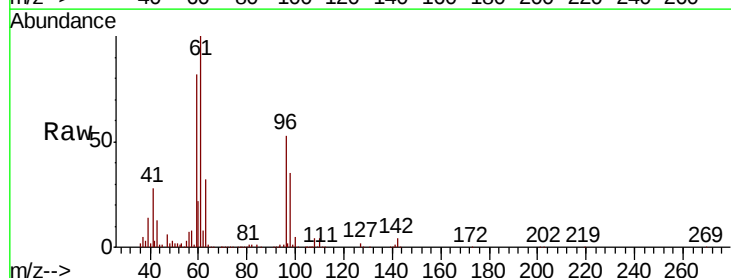
Tot Ion: 59 Resp: 1504256
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

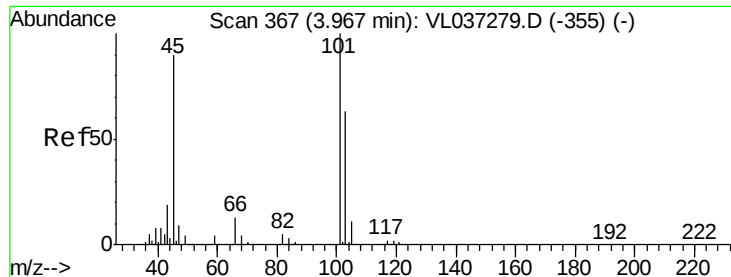


#18

1,1-Dichloroethene
 Concen: 10.062 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 96 Resp: 817043
 Ion Ratio Lower Upper
 96 100
 61 189.3 151.4 227.2
 98 65.5 52.4 78.6





#19

Isopropyl Alcohol

Concen: 8.735 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

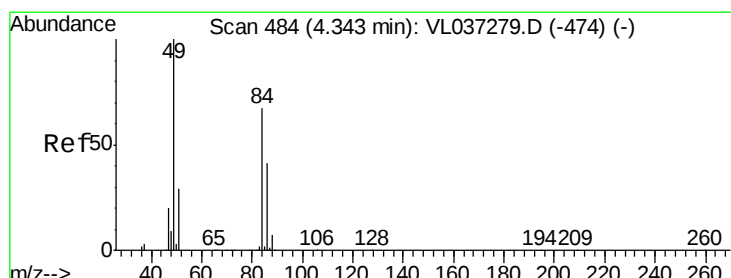
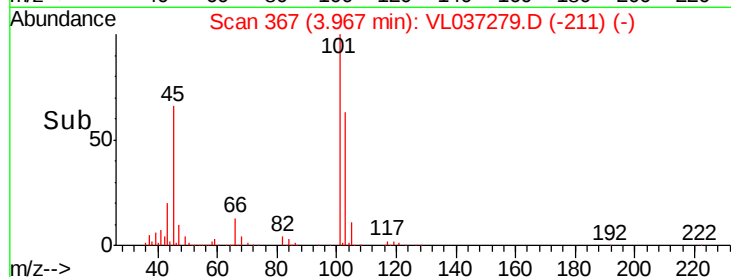
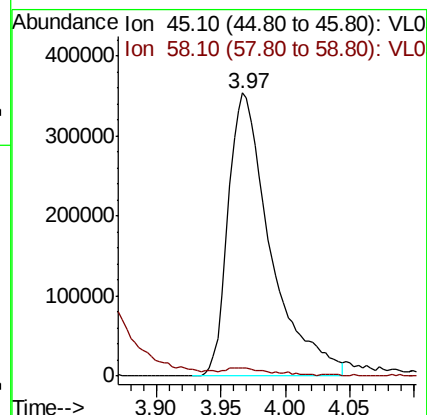
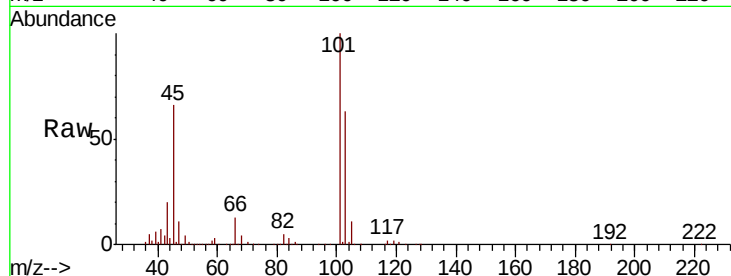
ClientSampleId :

Tot Ion: 45 Resp: 807753

Ion Ratio Lower Upper

45 100

58 3.1 3.0 4.4



#20

Methylene Chloride

Concen: 7.512 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion: 84 Resp: 708973

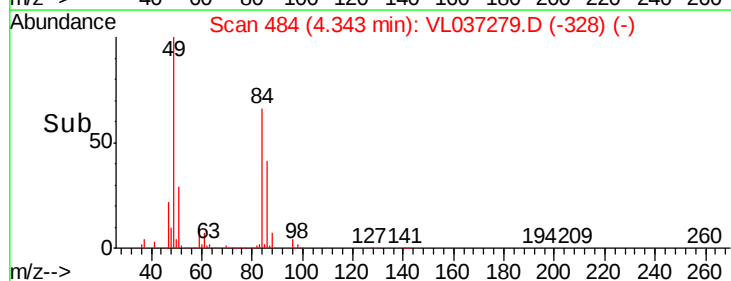
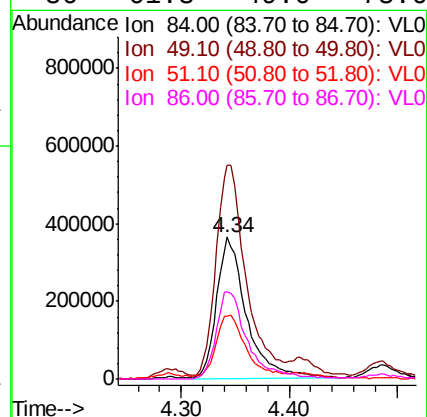
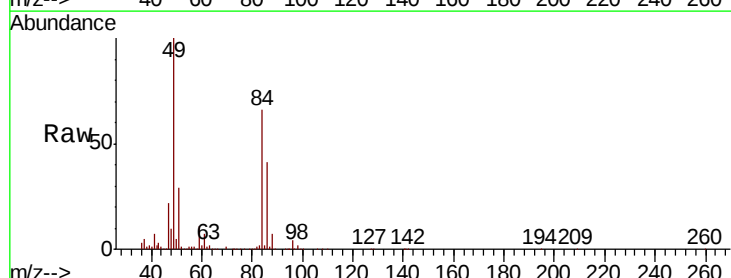
Ion Ratio Lower Upper

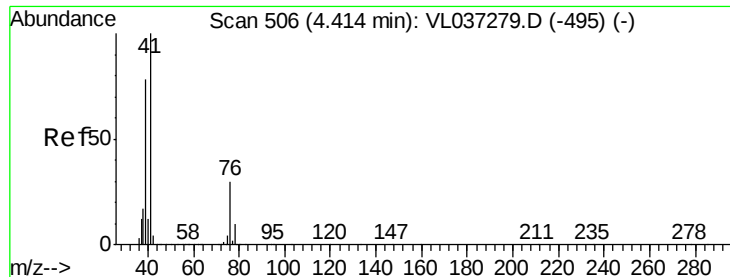
84 100

49 148.8 119.0 178.6

51 43.7 35.0 52.4

86 61.3 49.0 73.6





#21

Allvl Chloride

Concen: 10.110 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

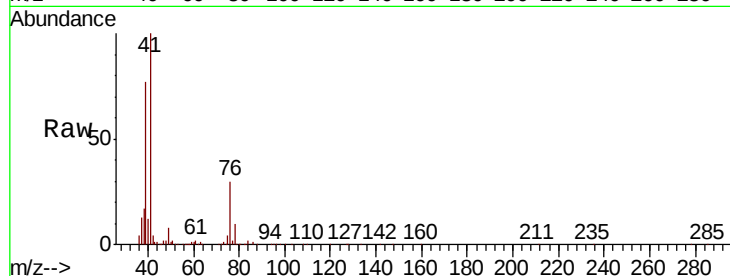
Tot Ion: 41 Resp: 1203747

Ion Ratio Lower Upper

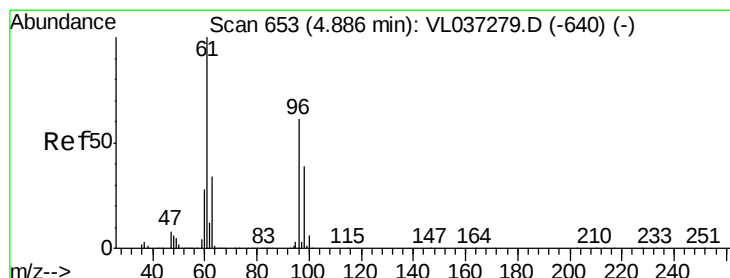
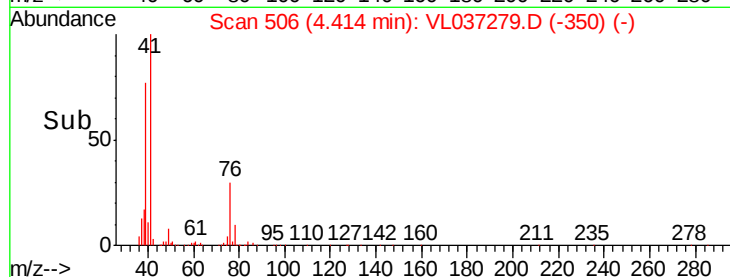
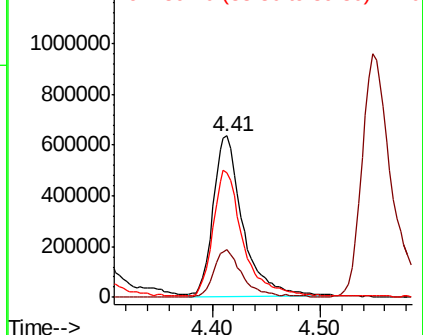
41 100

76 29.5 23.6 35.4

39 79.7 63.8 95.6



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: 9.953 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

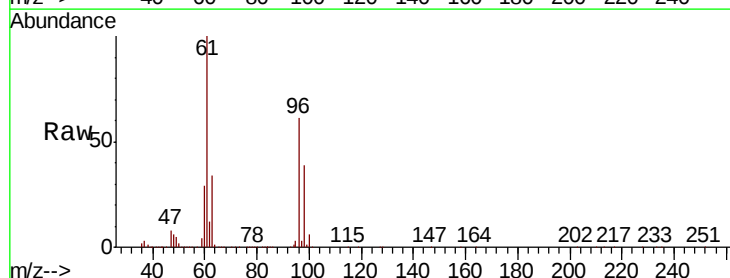
Tgt Ion: 96 Resp: 797278

Ion Ratio Lower Upper

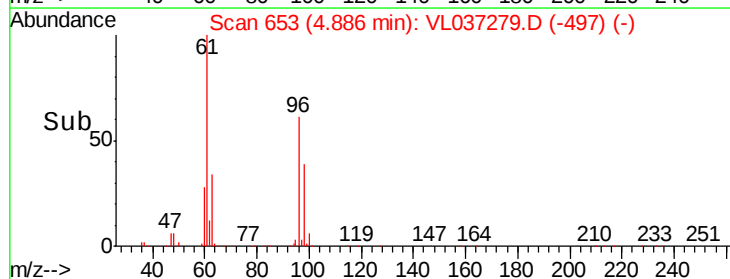
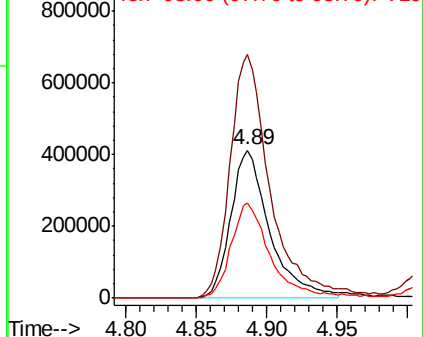
96 100

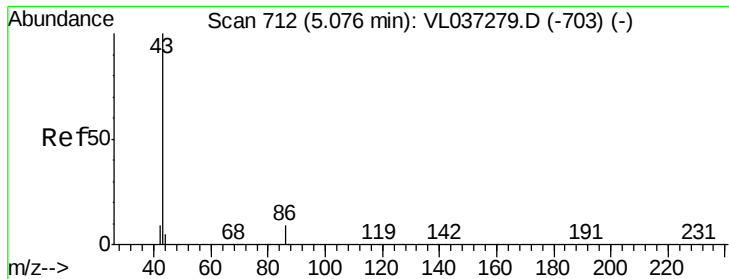
61 164.7 131.8 197.6

98 64.3 51.4 77.2



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: 9.633 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

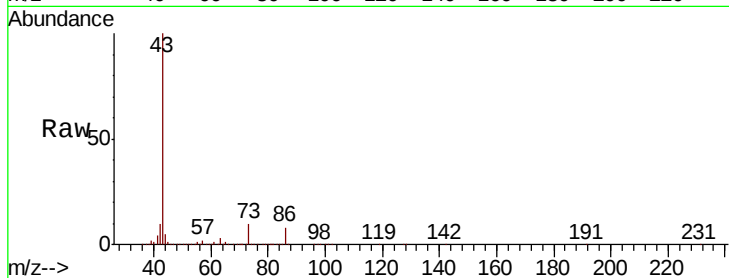
Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

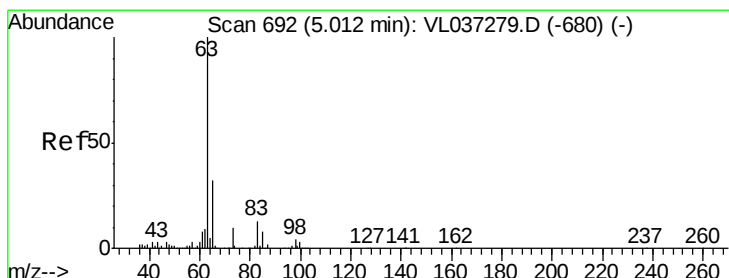
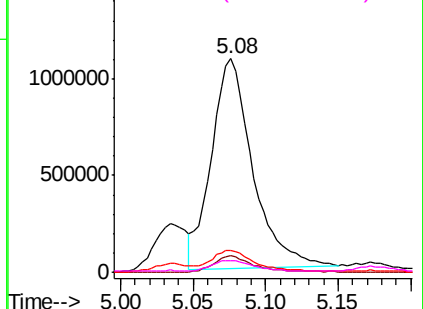
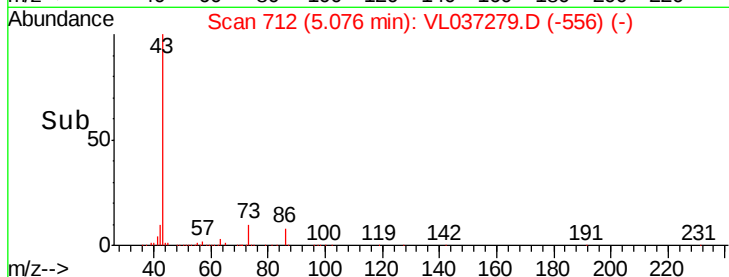
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2152331

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.3	8.2	12.4
44	4.6	3.7	5.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.977 ppbv

RT: 5.01 min Scan# 692

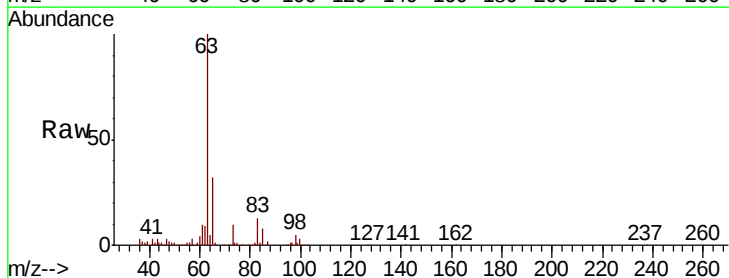
Delta R.T. 0.00 min

Lab File: VL037279.D

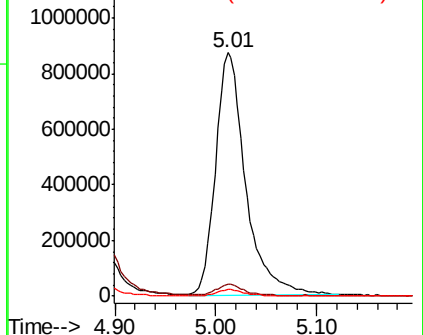
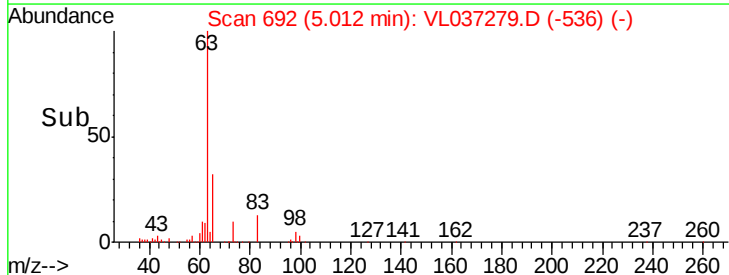
Acq: 27 Jul 2021 2:35

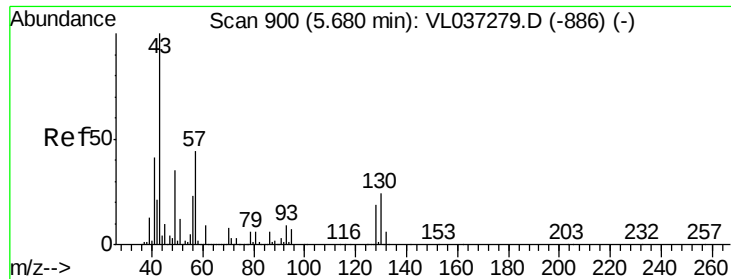
Tgt Ion: 63 Resp: 1807900

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.7	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

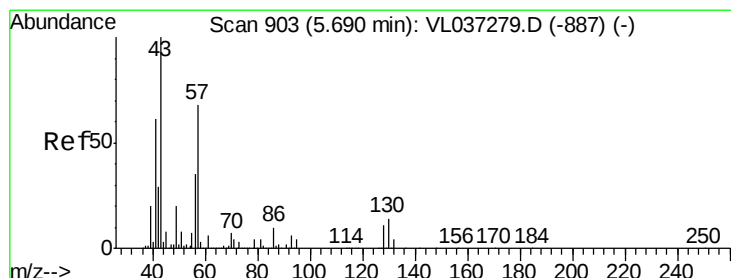
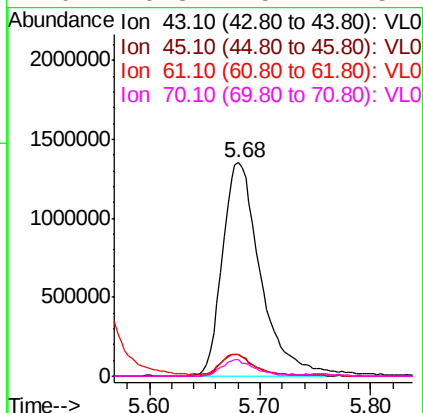
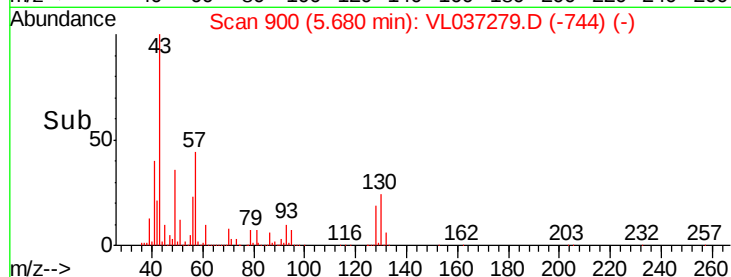
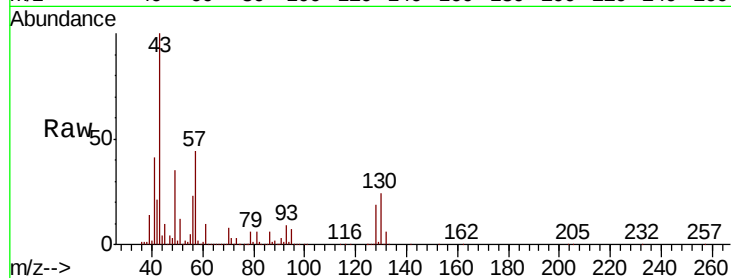




#25
Ethyl Acetate
Concen: 9.520 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

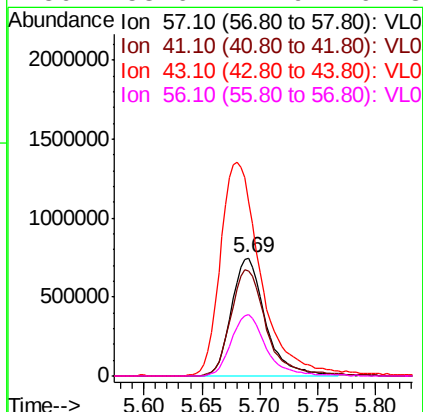
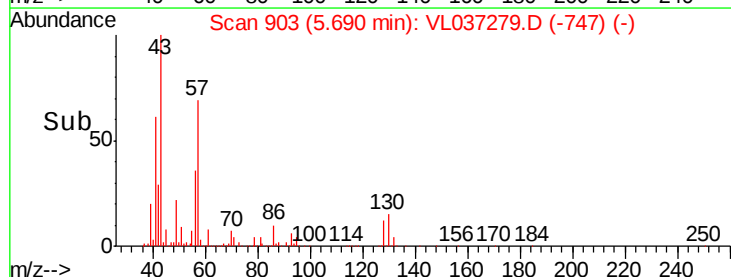
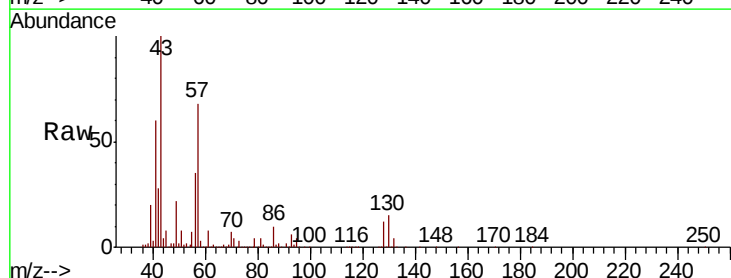
Instrument :
MSVOA_L
ClientSampleId :

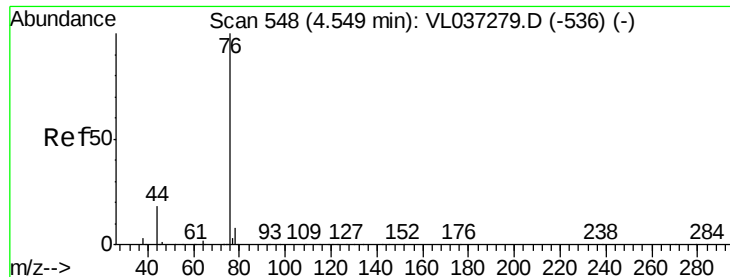
Tot Ion:	43	Resp:	3221876
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	10.0	8.0	12.0
70	6.8	5.4	8.2



#26
Hexane
Concen: 8.919 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion:	57	Resp:	1520205
Ion	Ratio	Lower	Upper
57	100		
41	94.6	75.7	113.5
43	215.2	172.2	258.2
56	53.6	42.9	64.3





#27

Carbon Disulfide

Concen: 10.999 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

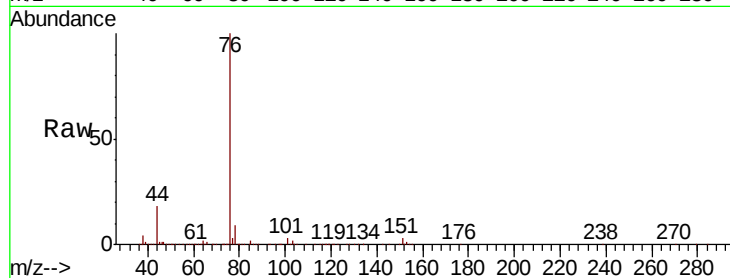
Tot Ion: 76 Resp: 1852228

Ion Ratio Lower Upper

76 100

44 20.0 15.8 23.8

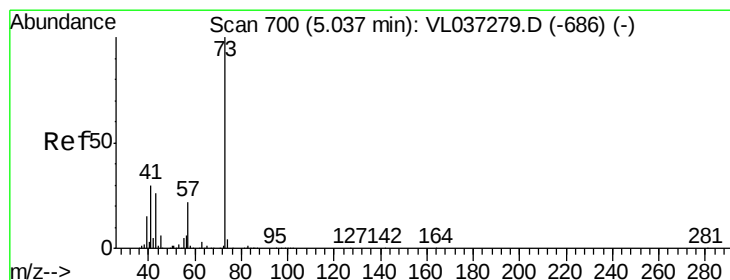
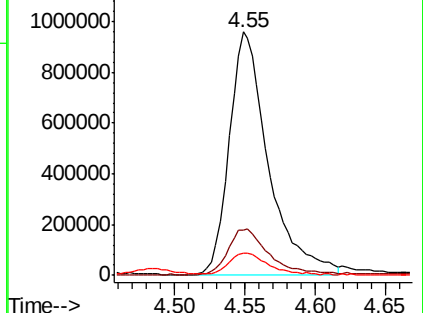
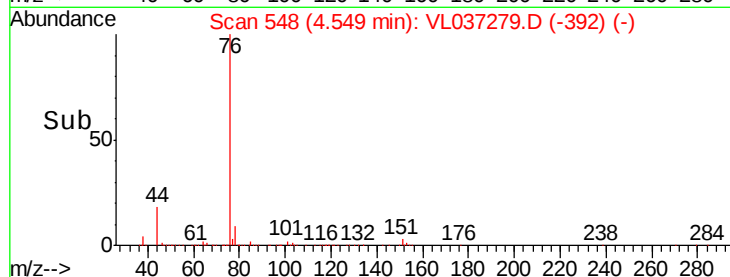
78 10.1 8.4 12.6



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: 9.791 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL037279.D

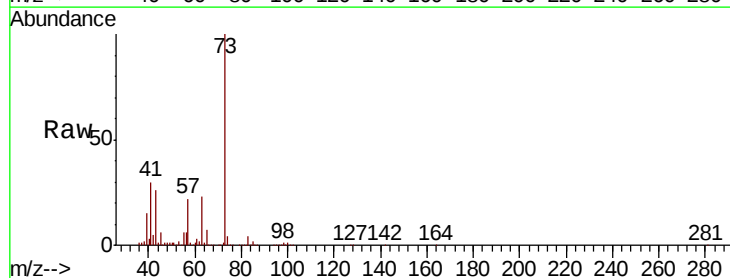
Acq: 27 Jul 2021 2:35

Tgt Ion: 73 Resp: 2007610

Ion Ratio Lower Upper

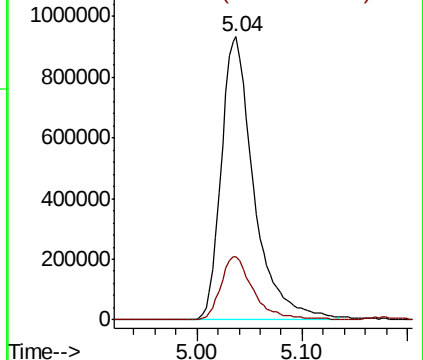
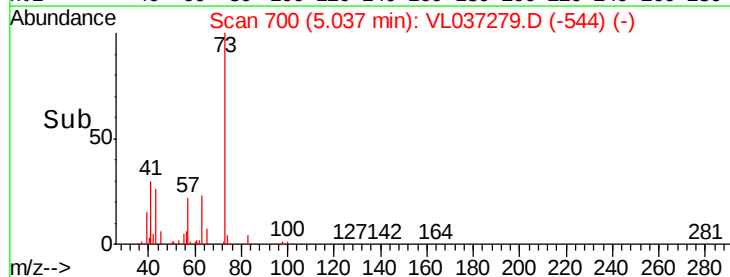
73 100

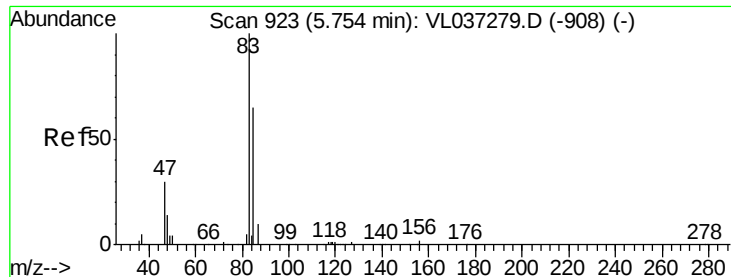
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

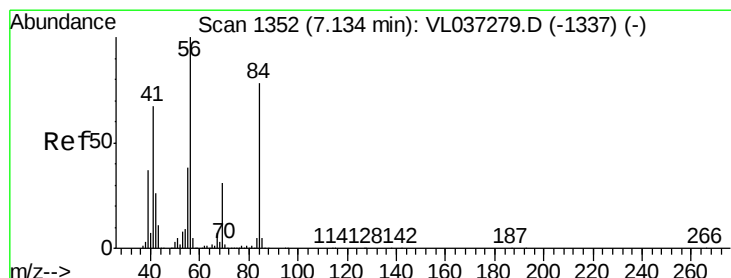
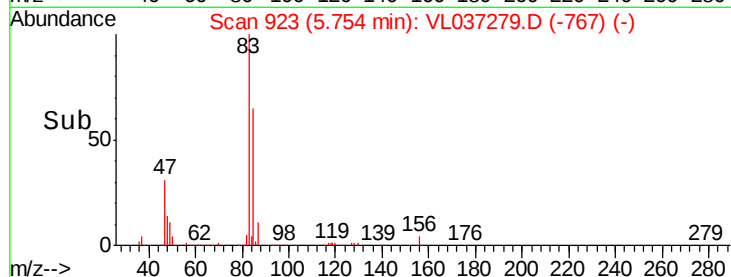
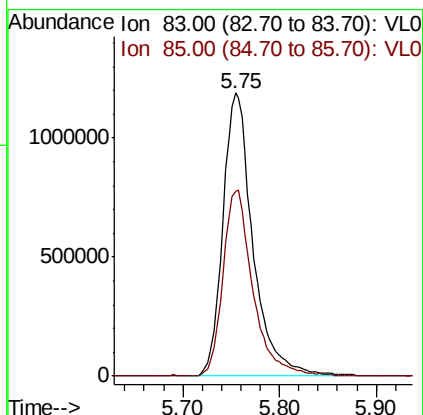
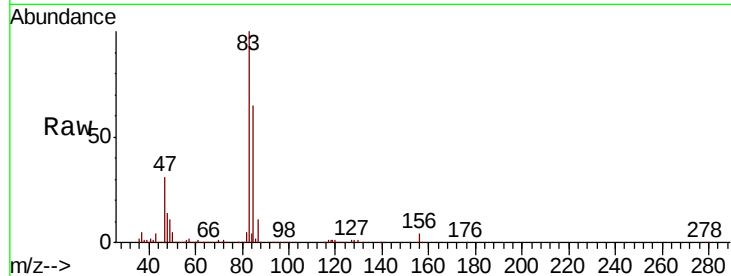




#29
Chloroform
Concen: 9.659 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

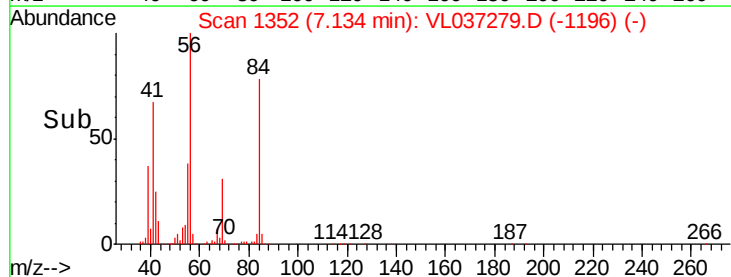
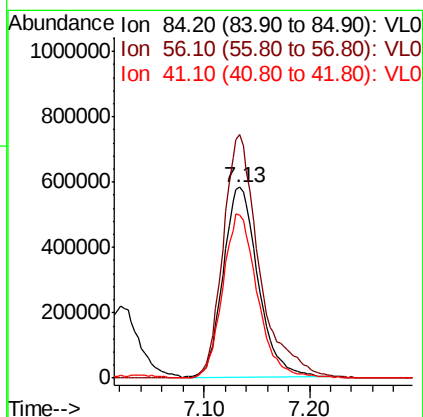
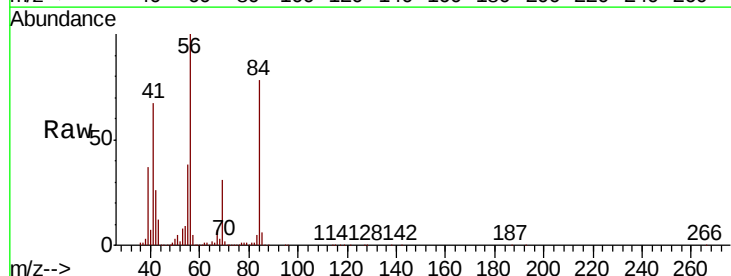
Instrument :
MSVOA_L
ClientSampleId :

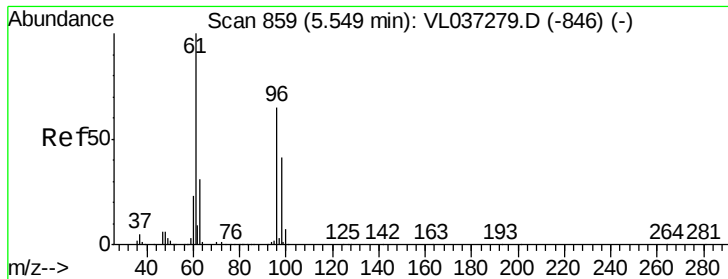
Tot Ion: 83 Resp: 2562794
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.2



#30
Cyclohexane
Concen: 9.407 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 84 Resp: 1336785
Ion Ratio Lower Upper
84 100
56 132.9 106.3 159.5
41 85.8 68.6 103.0



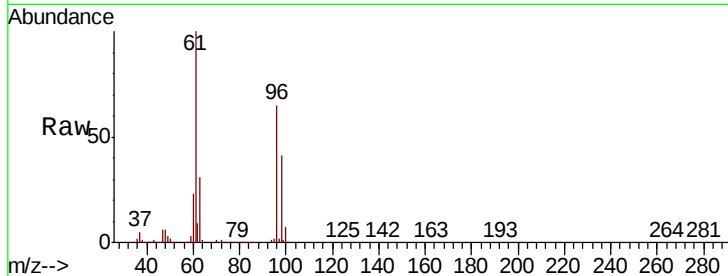


#31

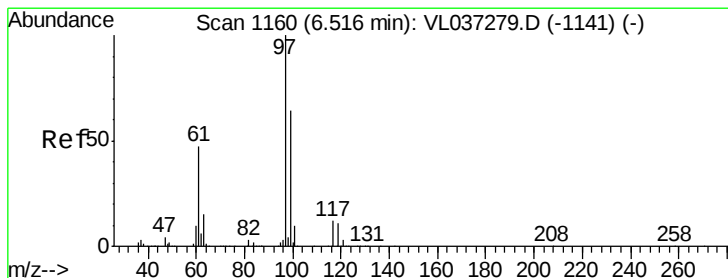
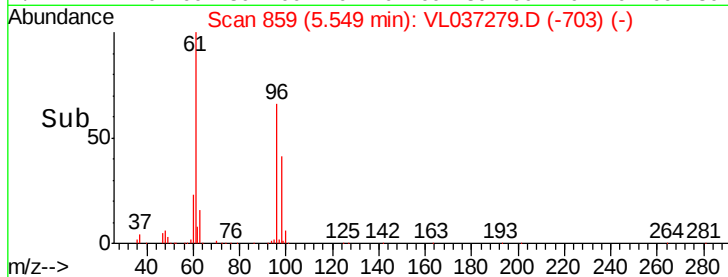
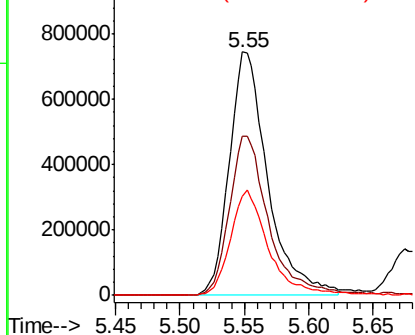
cis-1,2-Dichloroethene
Concen: 9.776 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	65.1	52.1	78.1
98	40.8	32.6	49.0



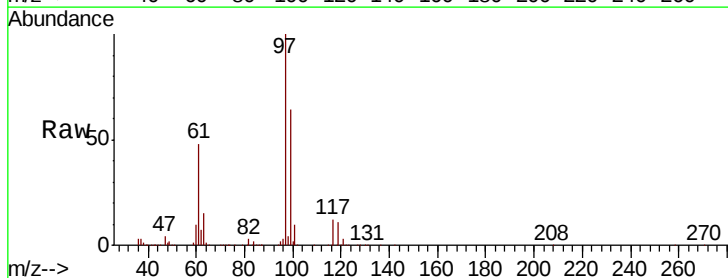
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



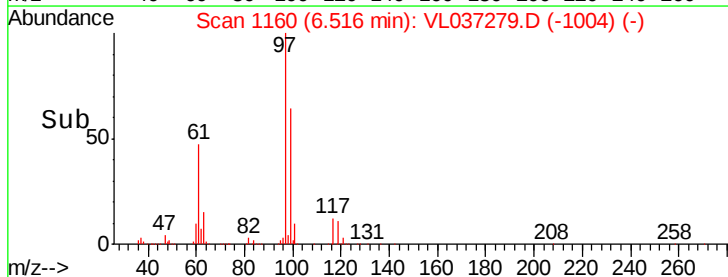
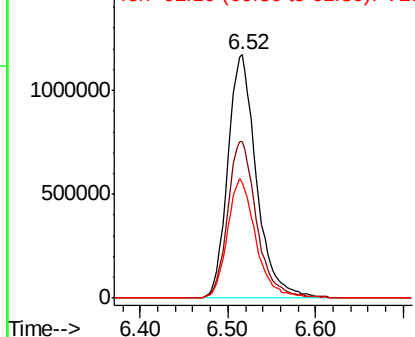
#32

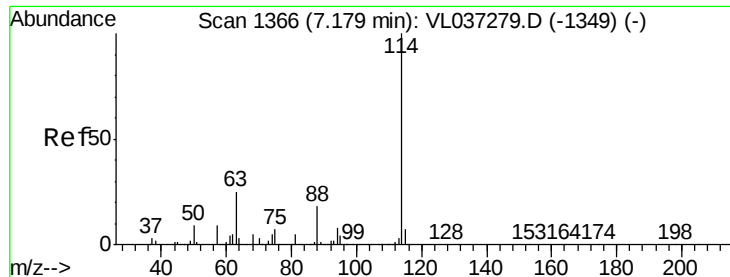
1,1,1-Trichloroethane
Concen: 9.429 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	48.4	39.1	58.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

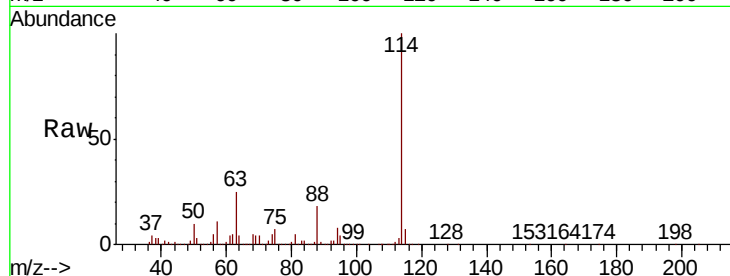




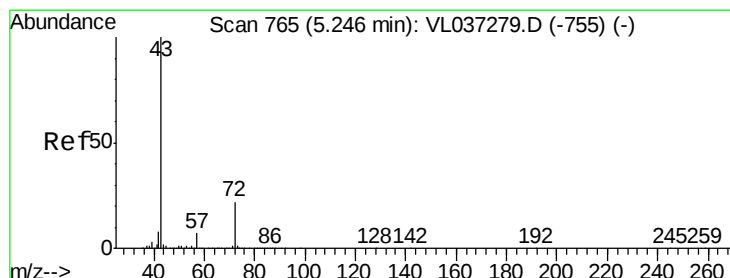
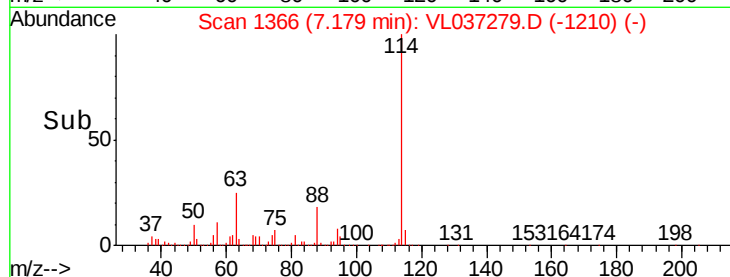
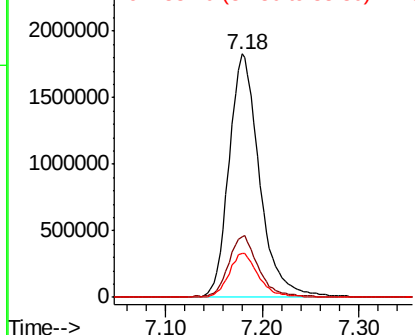
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3998351
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.2 30.2
 88 17.8 14.2 21.4

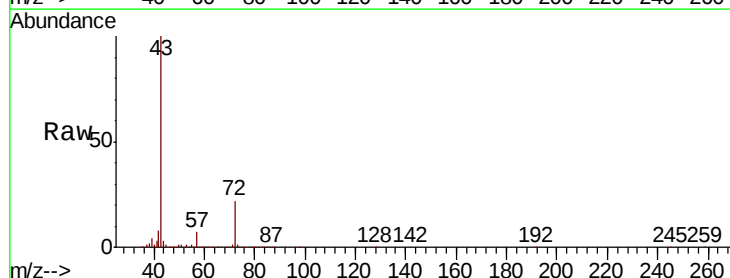


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

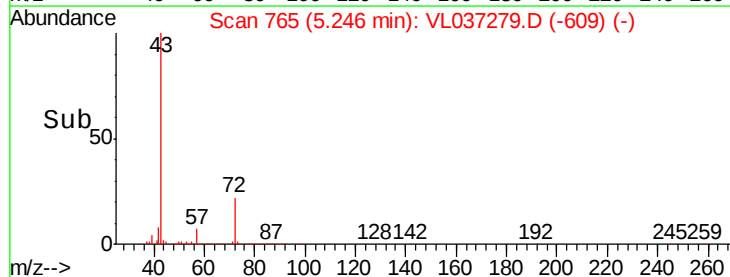
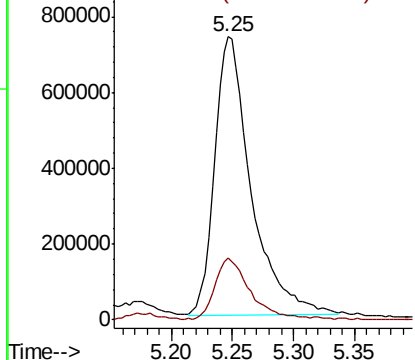


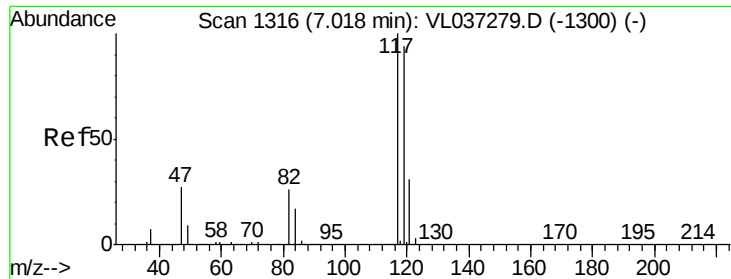
#34
 2-Butanone
 Concen: 9.703 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 43 Resp: 1538852
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.9 26.9



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

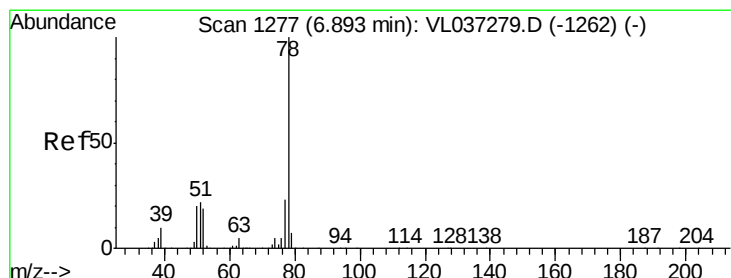
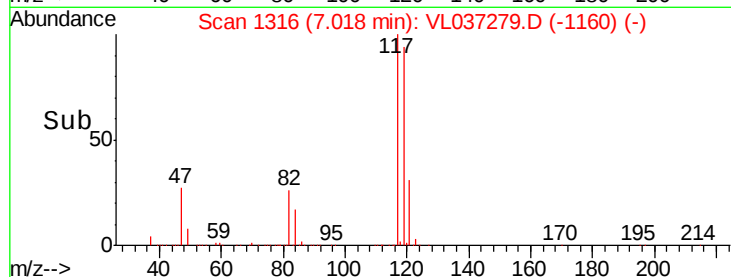
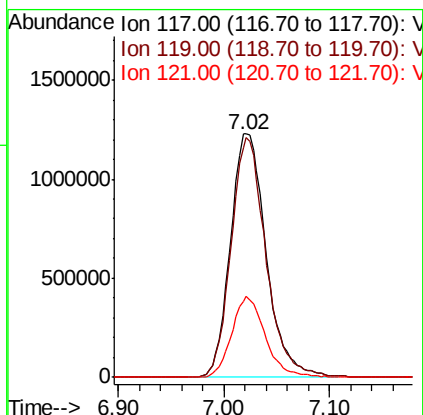
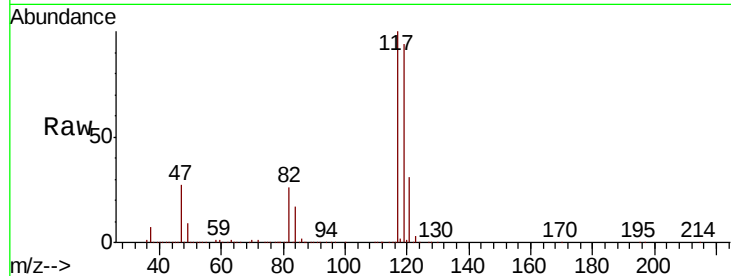




#35
Carbon Tetrachloride
Concen: 10.630 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

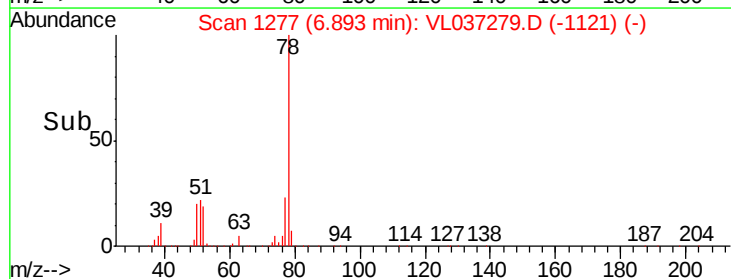
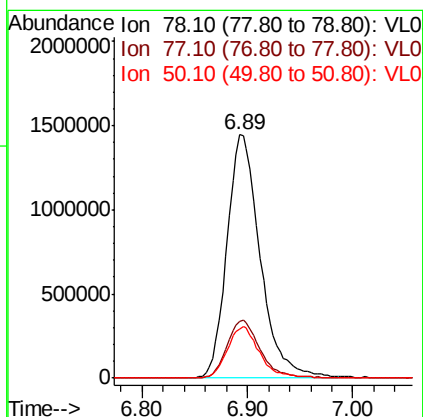
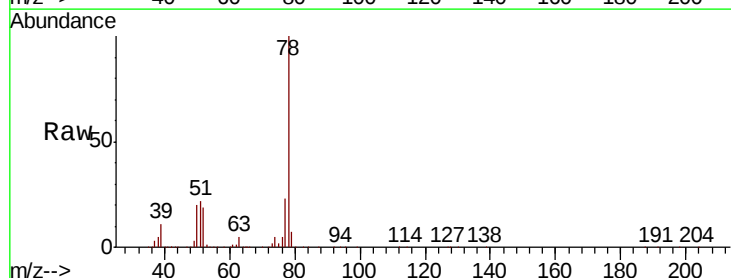
Instrument :
MSVOA_L
ClientSampleId :

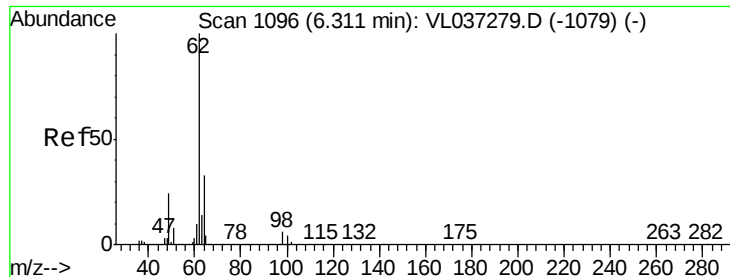
Tot Ion:117 Resp: 2888439
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
121 31.0 24.8 37.2



#36
Benzene
Concen: 9.703 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 78 Resp: 3157740
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
50 20.3 16.2 24.4

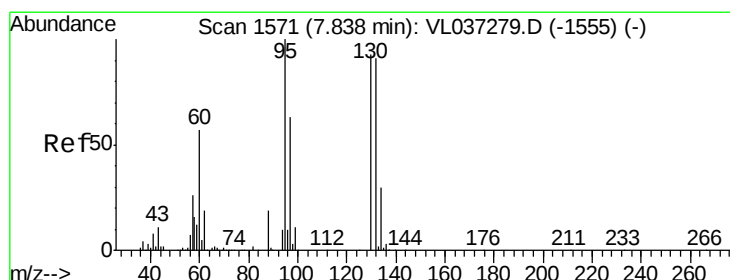
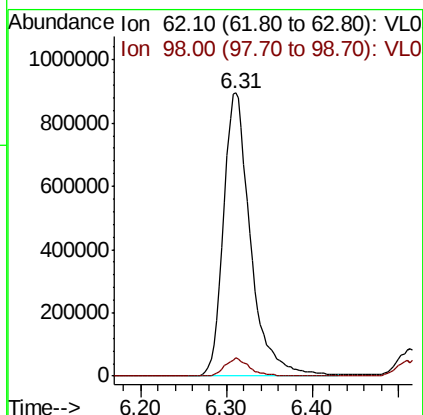
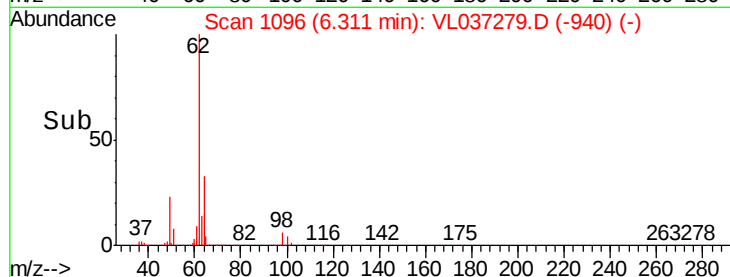
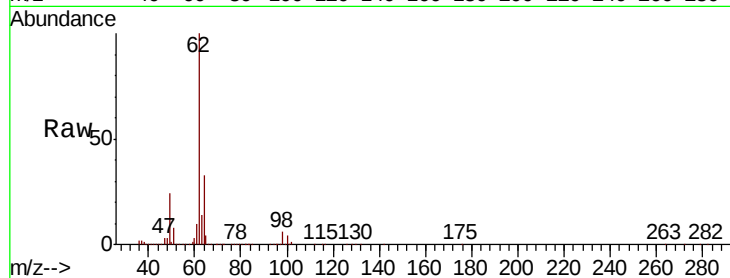




#37
 1,2-Dichloroethane
 Concen: 10.255 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

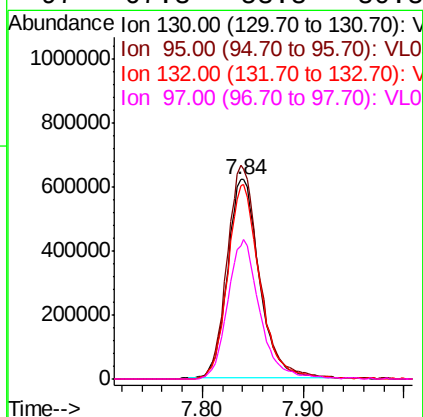
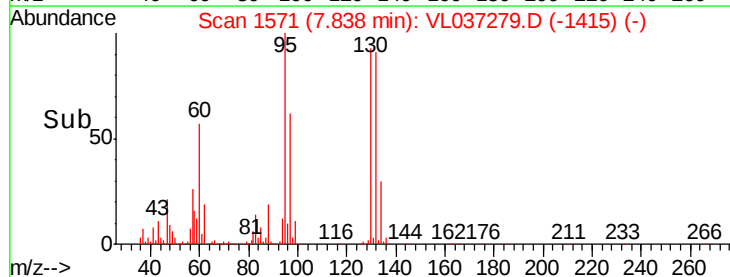
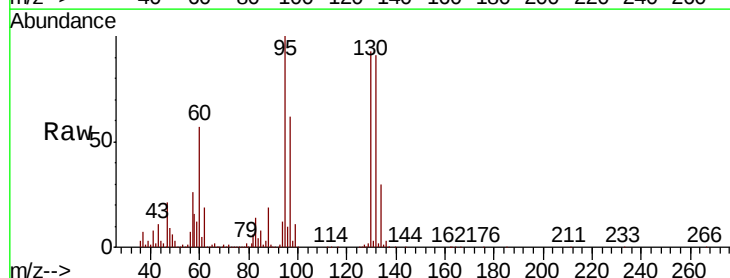
Instrument :
 MSVOA_L
 ClientSampleId :

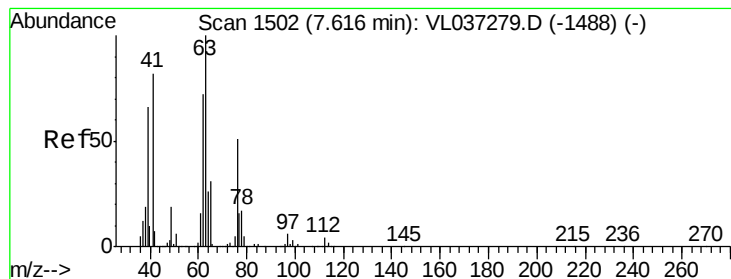
Tot Ion: 62 Resp: 1963255
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 8.802 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion: 130 Resp: 1361999
 Ion Ratio Lower Upper
 130 100
 95 107.7 86.2 129.2
 132 97.5 78.0 117.0
 97 67.3 53.8 80.8





#39

1,2-Dichloropropane

Concen: 10.038 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

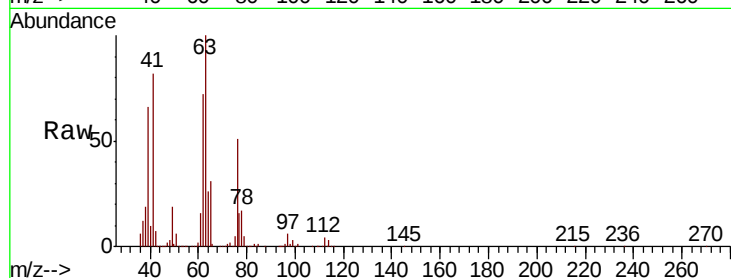
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 63 Resp: 1213707

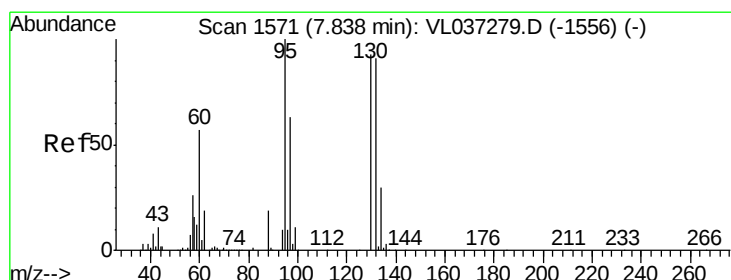
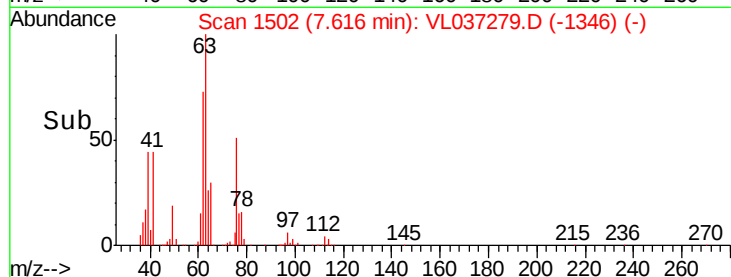
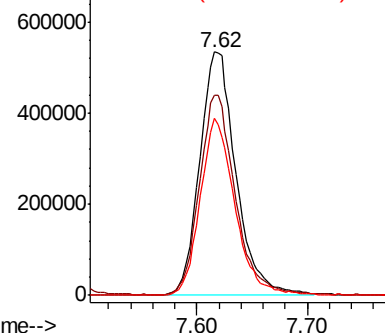
Ion	Ratio	Lower	Upper
63	100		
41	82.0	65.6	98.4
62	72.4	57.9	86.9



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: 9.614 ppbv

RT: 7.84 min Scan# 1571

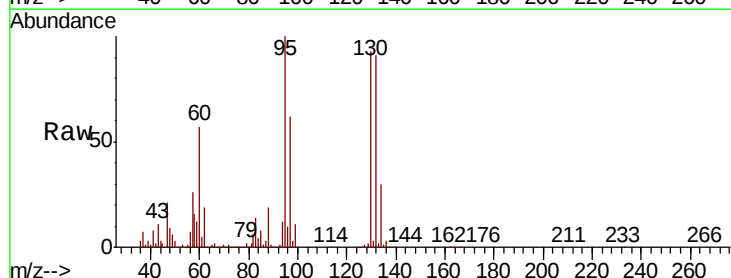
Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion: 88 Resp: 314631

Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0

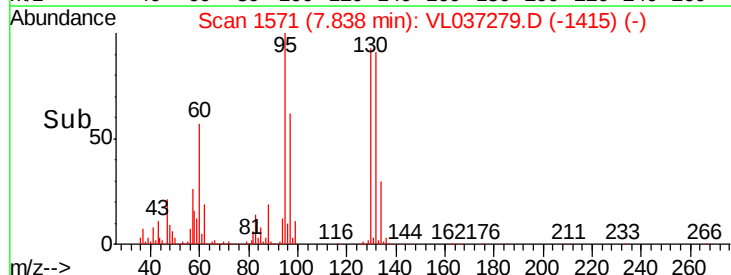
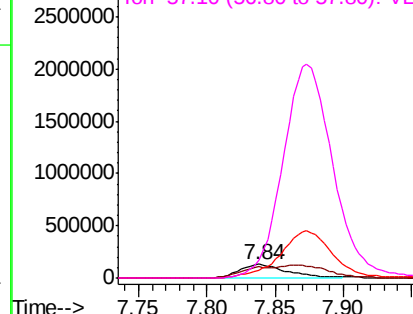


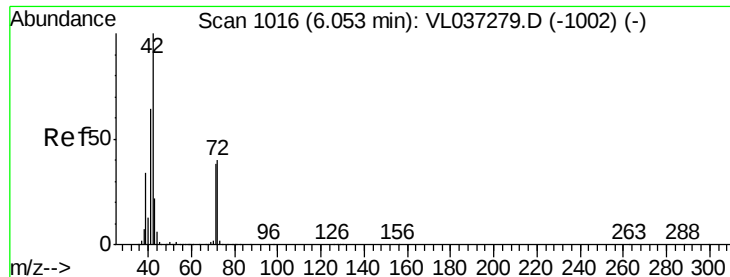
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

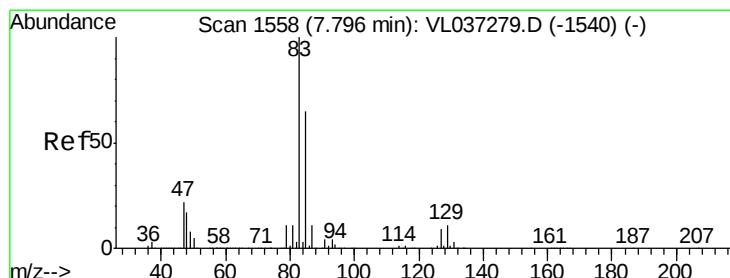
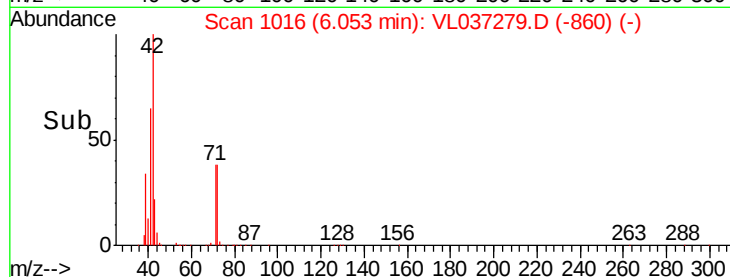
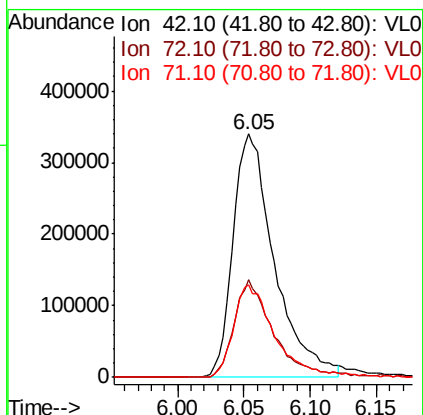
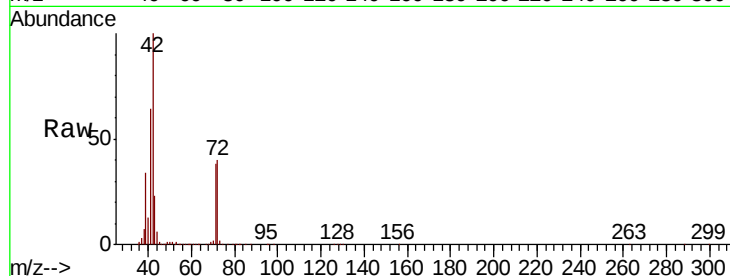




#41
Tetrahydrofuran
Concen: 10.074 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

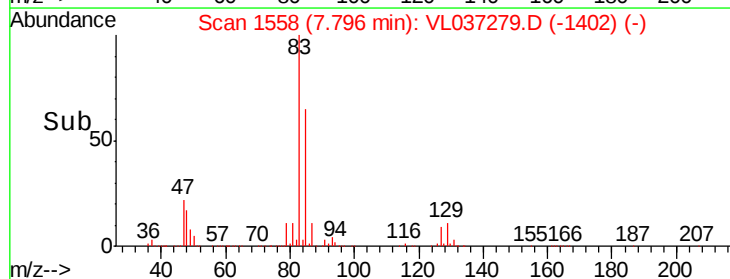
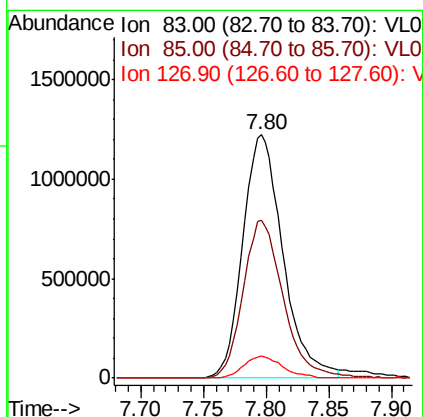
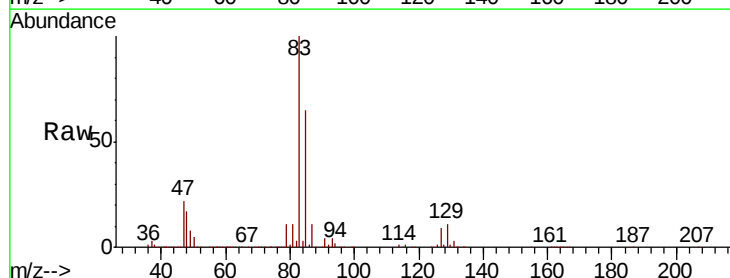
Instrument :
MSVOA_L
ClientSampleId :

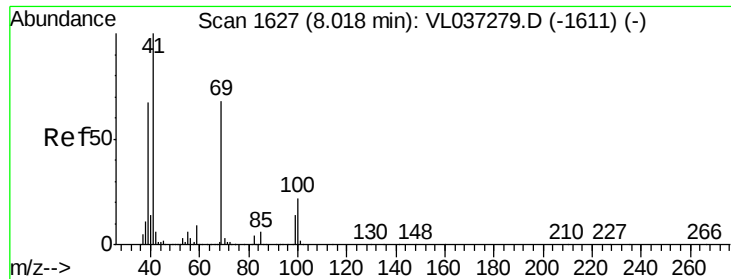
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	38.8	31.0	46.6



#42
Bromodichloromethane
Concen: 10.380 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	9.2	7.4	11.0

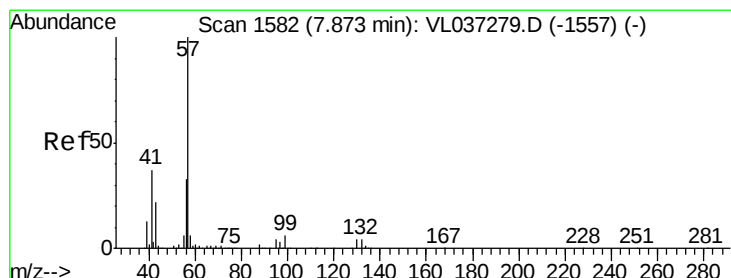
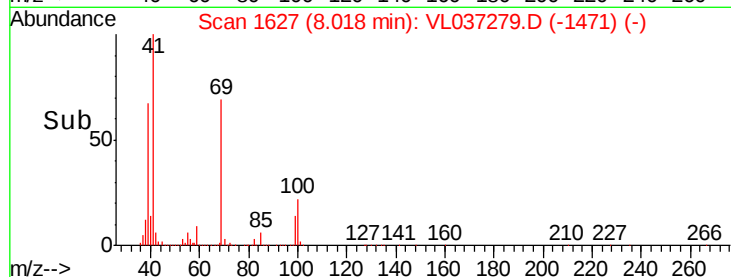
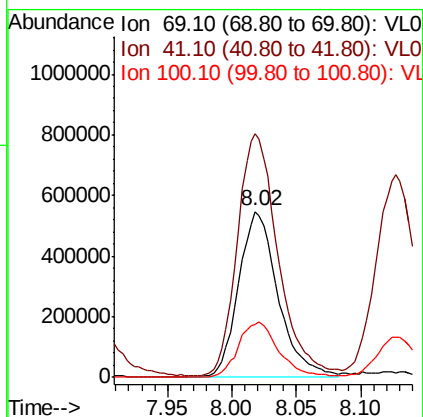
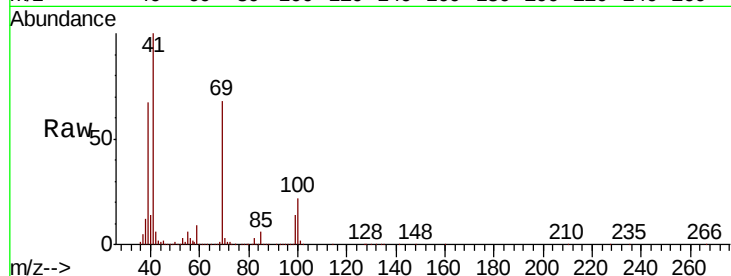




#43
Methvl Methacrylate
Concen: 10.364 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

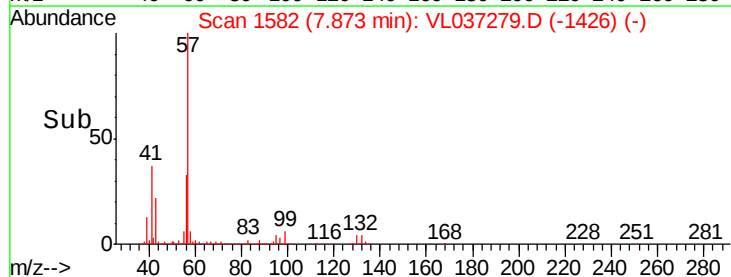
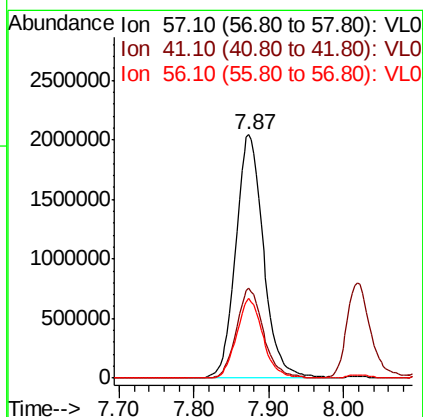
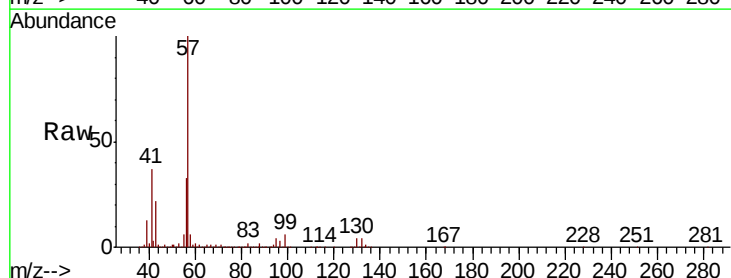
Instrument :
MSVOA_L
ClientSampled :

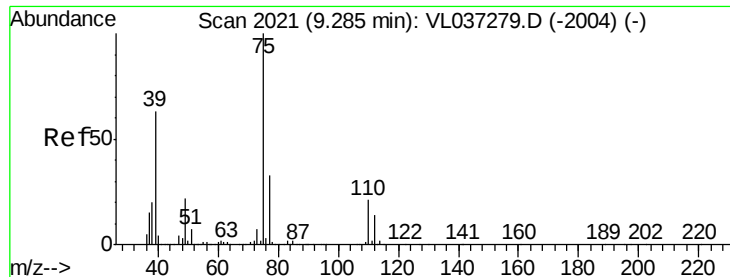
Tot Ion: 69 Resp: 1165878
Ion Ratio Lower Upper
69 100
41 151.9 121.5 182.3
100 34.3 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 9.570 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 57 Resp: 5260375
Ion Ratio Lower Upper
57 100
41 36.1 28.9 43.3
56 31.4 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 11.214 ppbv

RT: 9.28 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

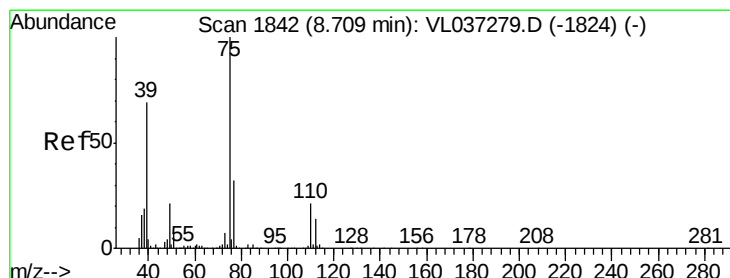
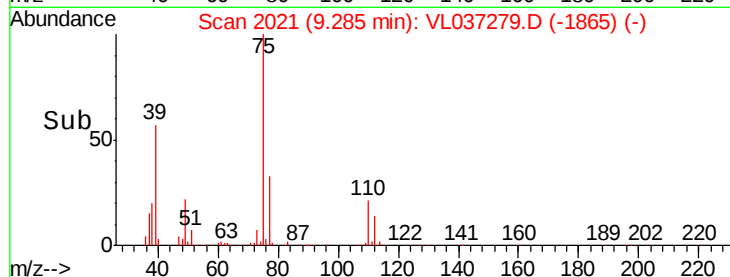
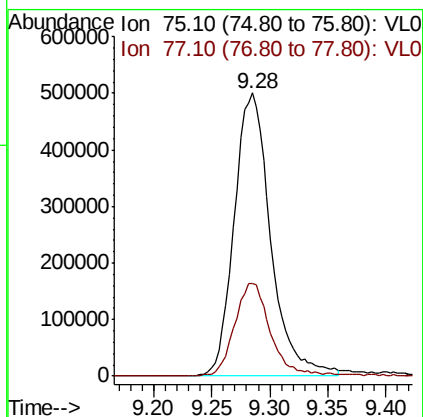
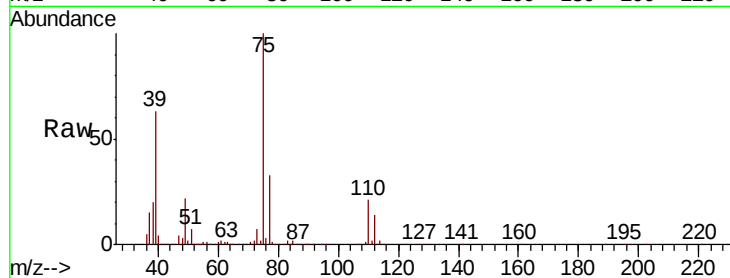
ClientSampled :

Tot Ion: 75 Resp: 1088001

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4



#46

cis-1,3-Dichloropropene

Concen: 10.417 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

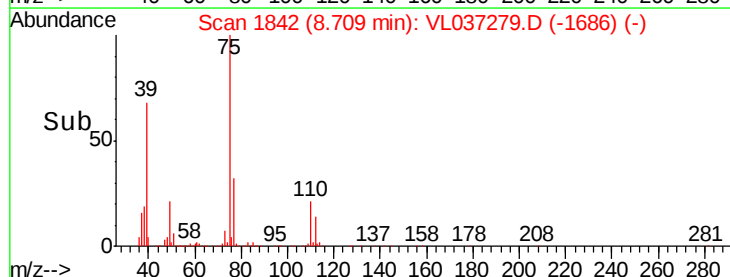
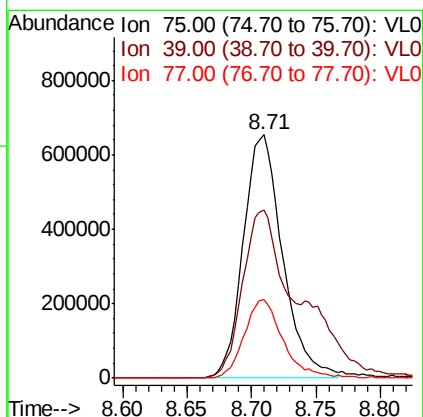
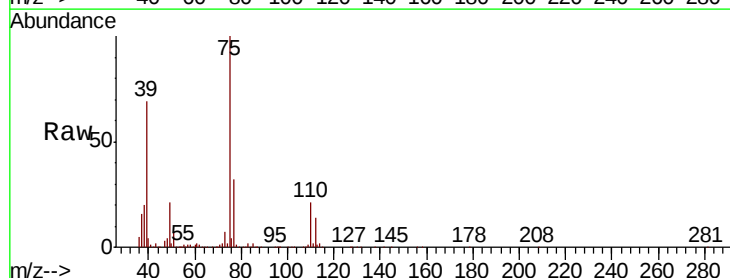
Tgt Ion: 75 Resp: 1387807

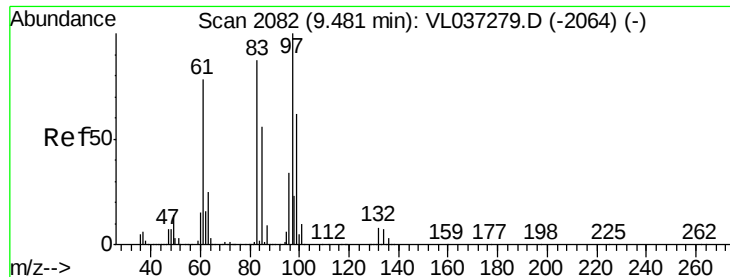
Ion Ratio Lower Upper

75 100

39 69.1 55.3 82.9

77 32.1 25.7 38.5



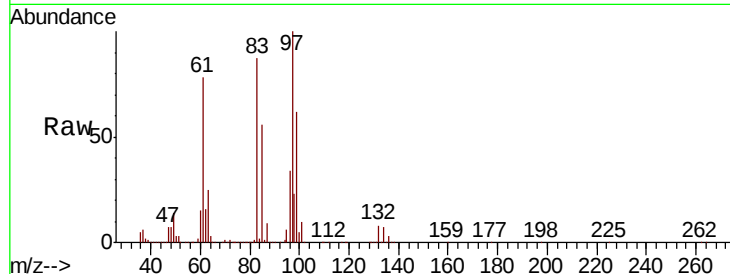


#47
 1,1,2-Trichloroethane
 Concen: 9.821 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

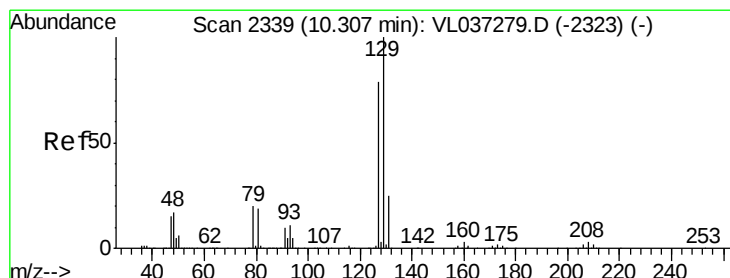
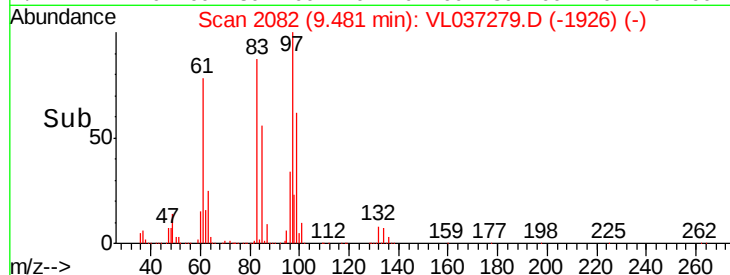
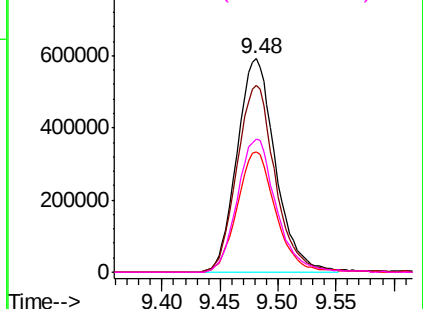
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1360134

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	56.1	44.9	67.3
99	62.2	49.8	74.6



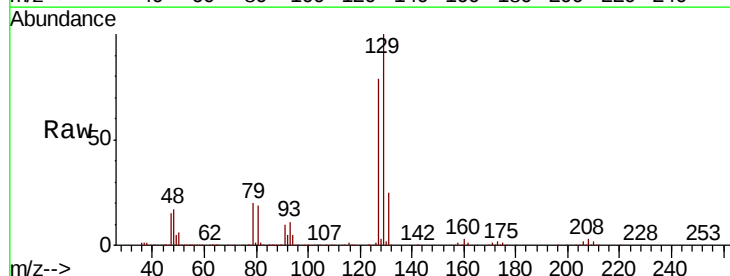
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



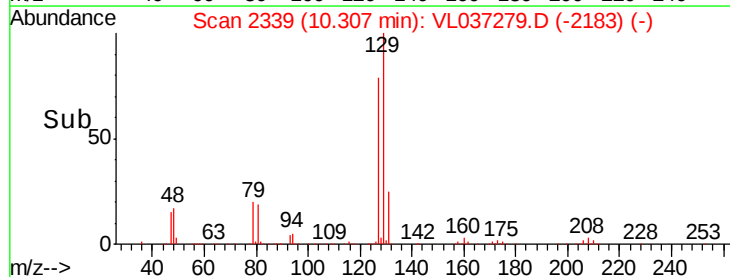
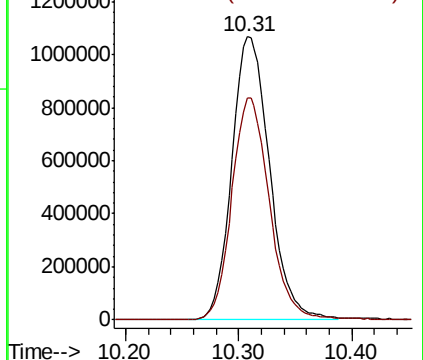
#48
 Dibromochloromethane
 Concen: 11.278 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

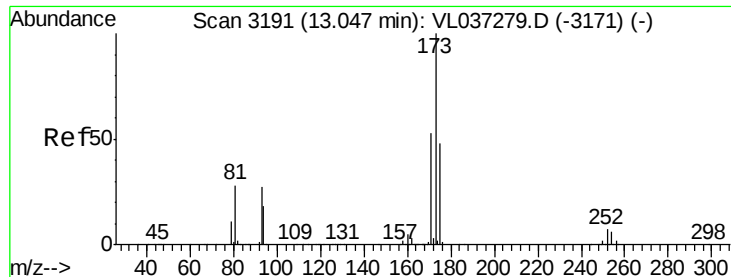
Tgt Ion: 129 Resp: 2481200

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.454 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

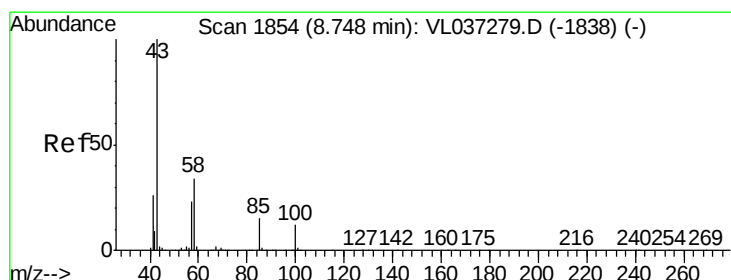
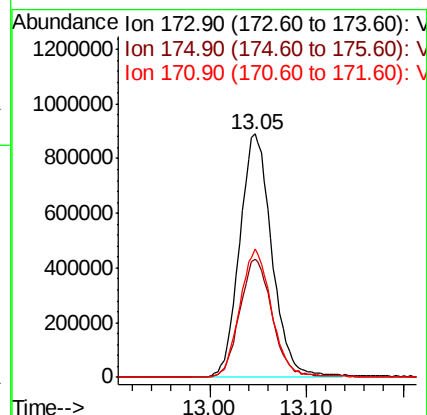
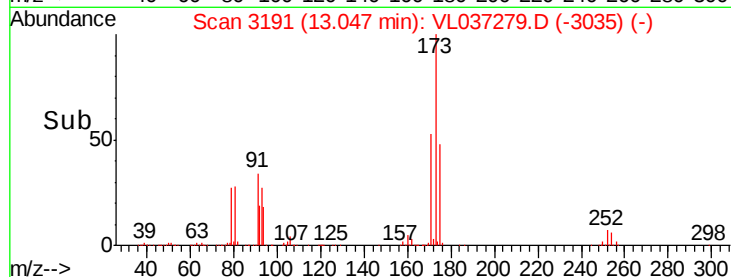
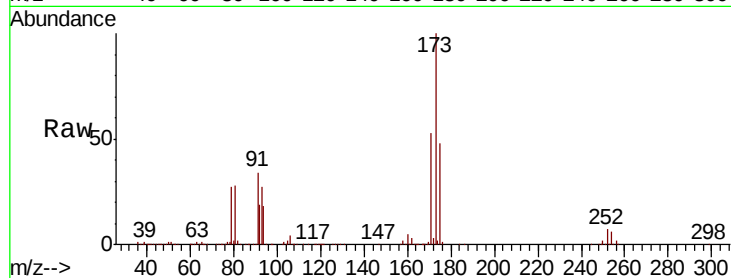
Tot Ion:173 Resp: 2067558

Ion Ratio Lower Upper

173 100

175 49.3 39.7 59.5

171 52.9 41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 10.749 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL037279.D

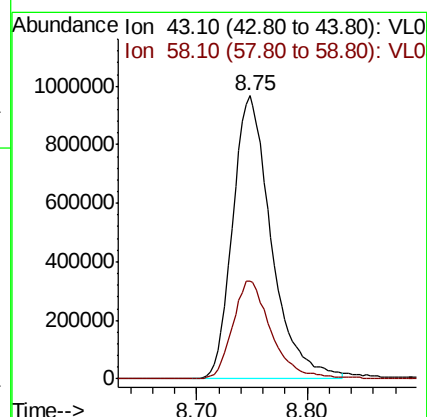
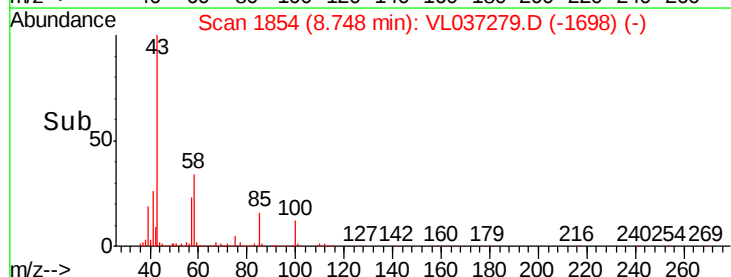
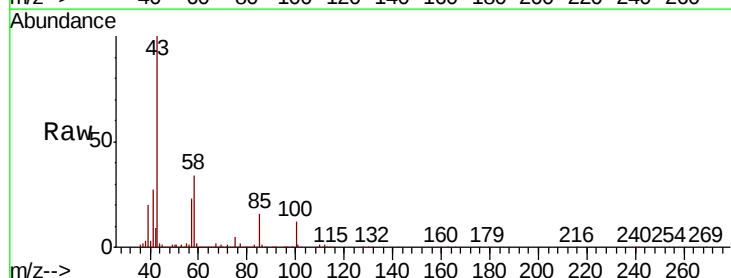
Acq: 27 Jul 2021 2:35

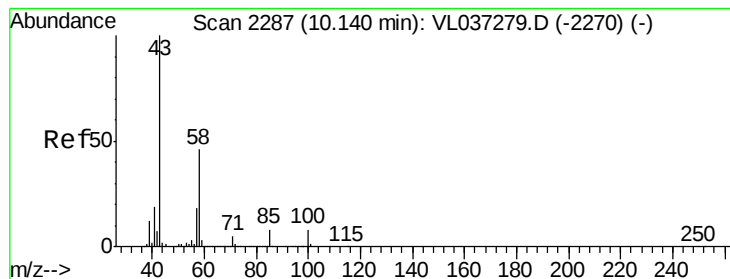
Tgt Ion: 43 Resp: 2344619

Ion Ratio Lower Upper

43 100

58 35.1 28.1 42.1





#51

2-Hexanone

Concen: 11.208 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

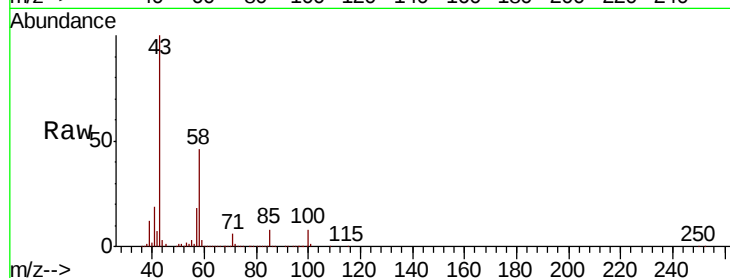
Tot Ion: 43 Resp: 1195847

Ion Ratio Lower Upper

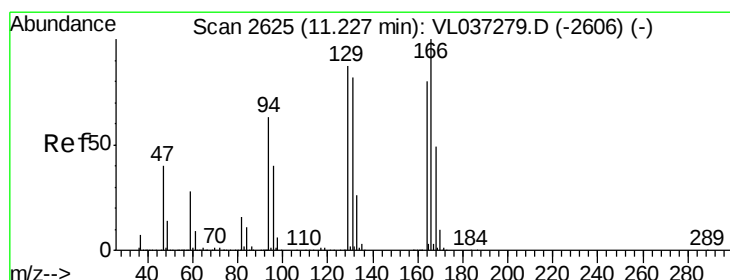
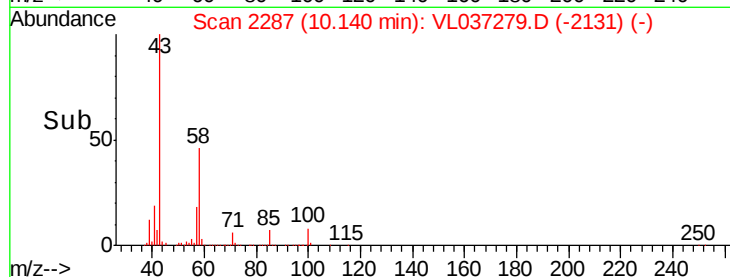
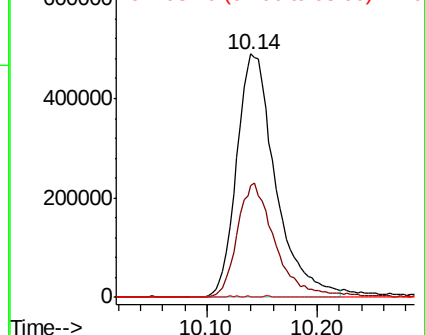
43 100

58 46.9 37.1 55.7

98 0.6 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: 8.701 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:164 Resp: 1312670

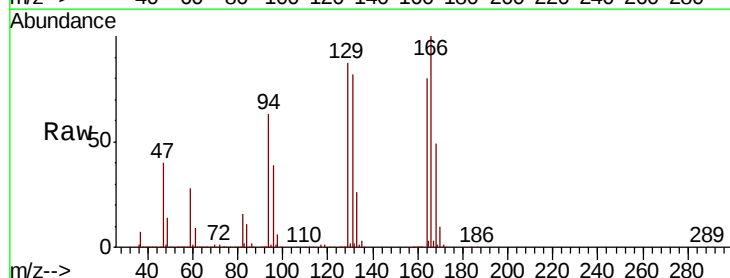
Ion Ratio Lower Upper

164 100

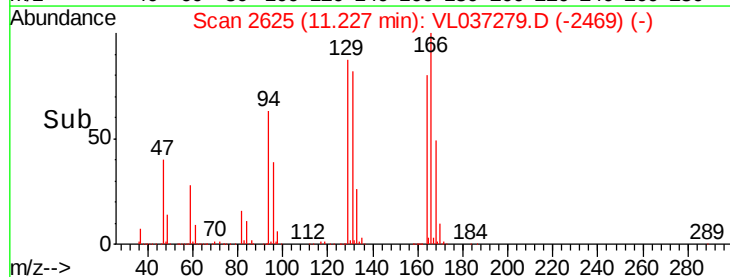
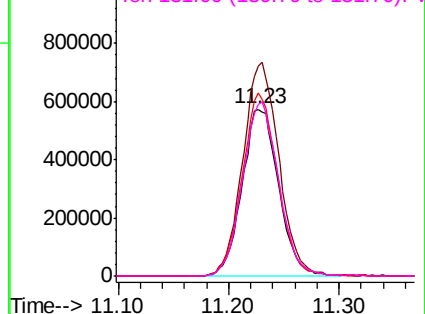
166 125.8 100.6 151.0

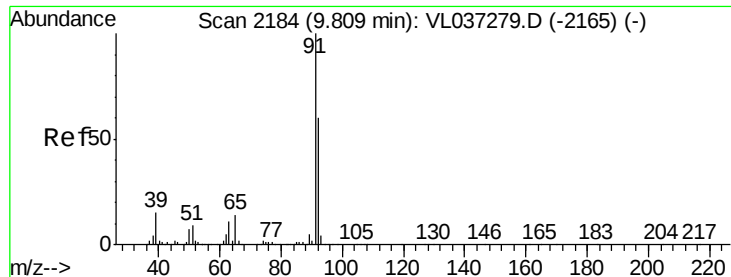
129 109.7 87.8 131.6

131 103.2 82.6 123.8



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: 9.805 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

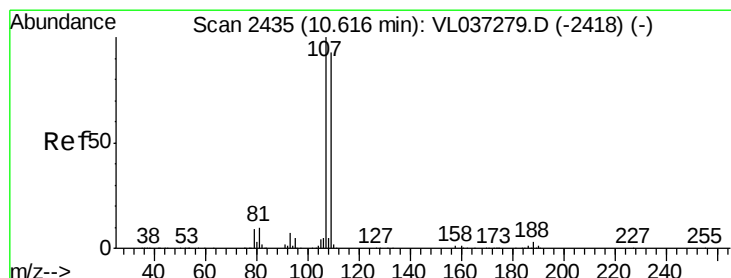
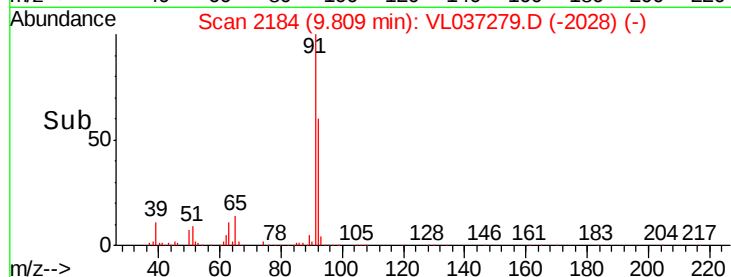
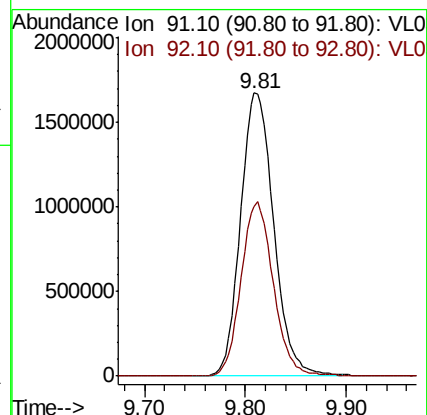
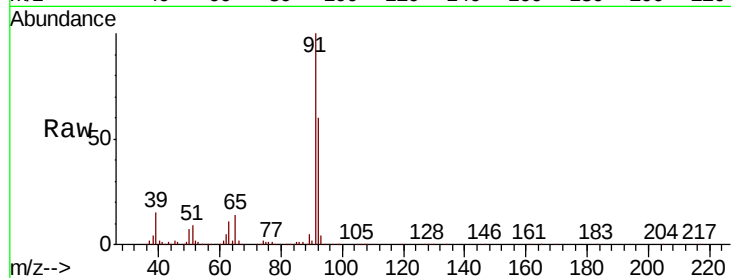
ClientSampleId :

Tot Ion: 91 Resp: 3821153

Ion Ratio Lower Upper

91 100

92 60.1 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.207 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL037279.D

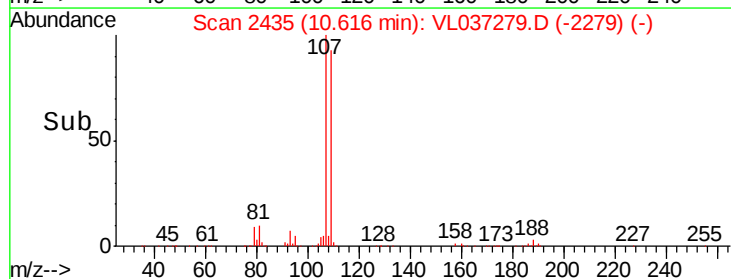
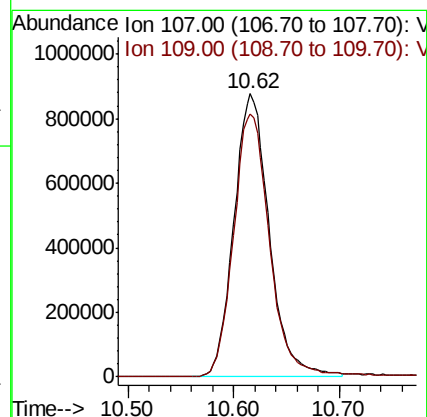
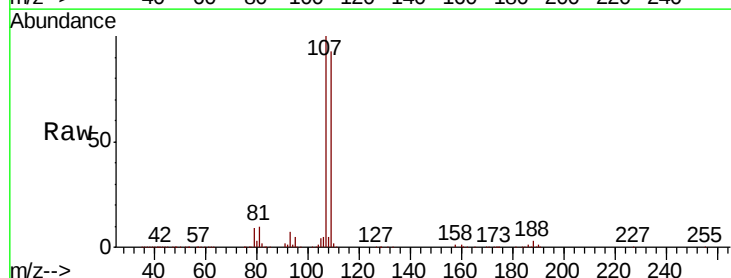
Acq: 27 Jul 2021 2:35

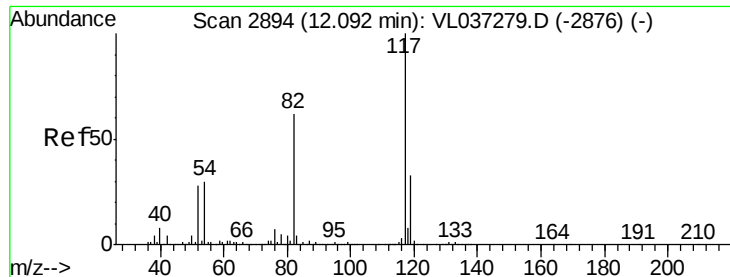
Tgt Ion: 107 Resp: 2034592

Ion Ratio Lower Upper

107 100

109 92.8 74.2 111.4

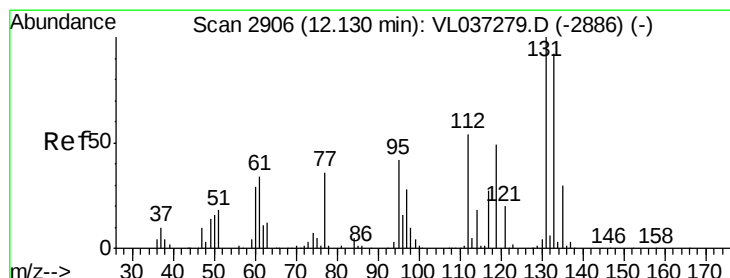
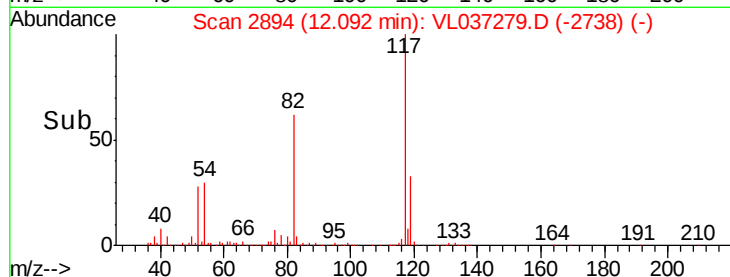
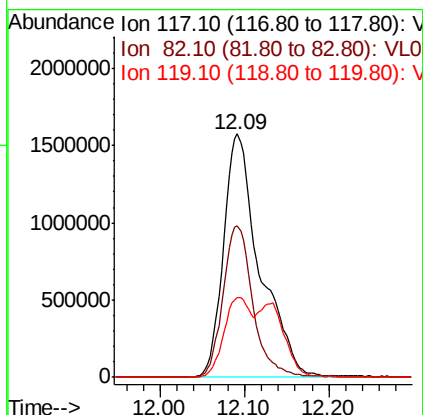
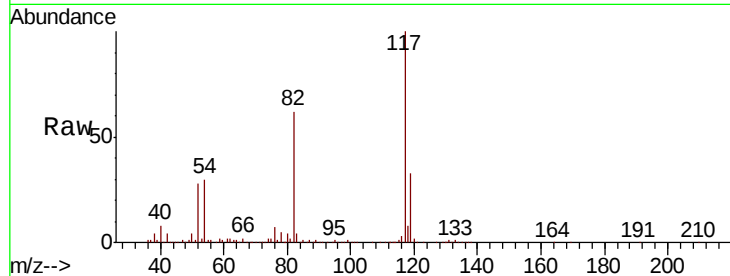




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

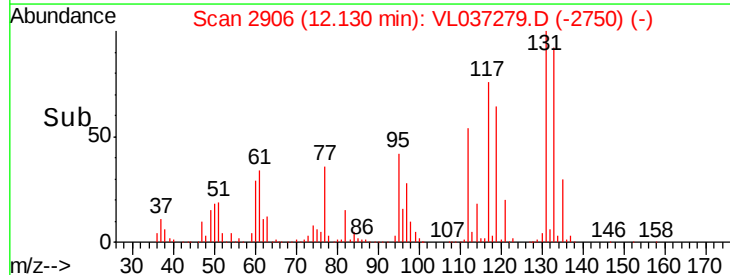
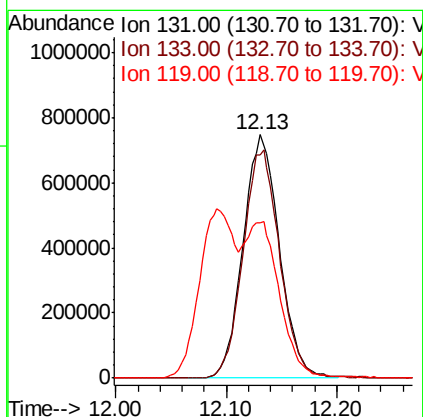
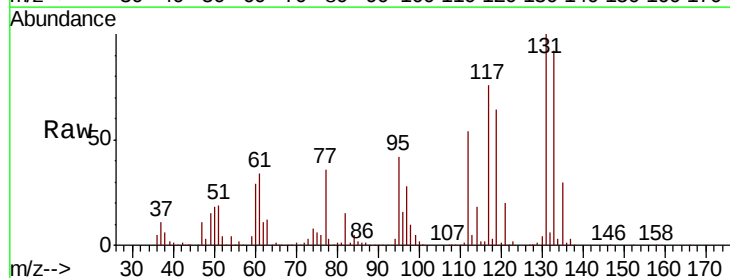
Instrument :
MSVOA_L
ClientSampleId :

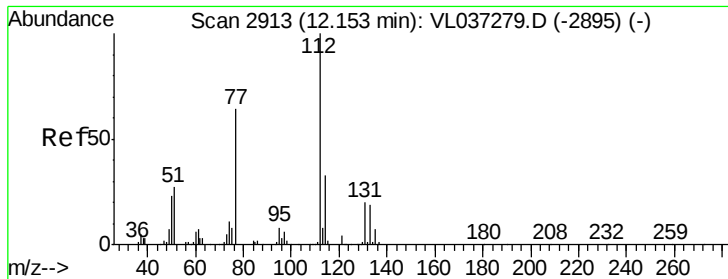
Tot Ion:117 Resp: 4720370
Ion Ratio Lower Upper
117 100
82 51.7 52.3 78.5#
119 24.5 26.5 39.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.130 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion:131 Resp: 1703517
Ion Ratio Lower Upper
131 100
133 95.4 76.4 114.6
119 63.0 106.1 159.1#





#57

Chlorobenzene

Concen: 7.612 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

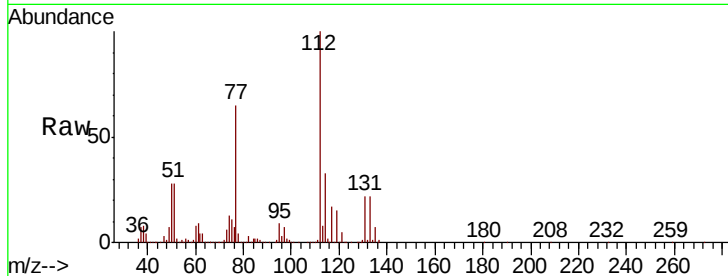
Tot Ion:112 Resp: 2943937

Ion	Ratio	Lower	Upper
112	100		
77	64.6	51.7	77.5
114	32.6	29.3	35.9

112 100

77 64.6 51.7 77.5

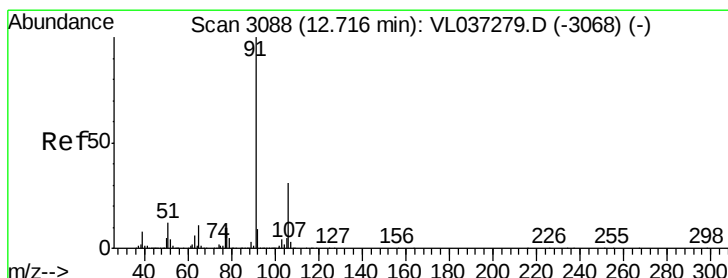
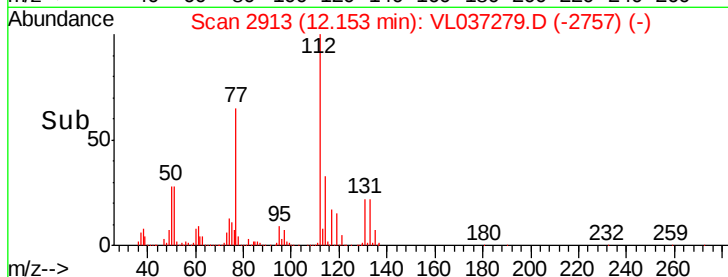
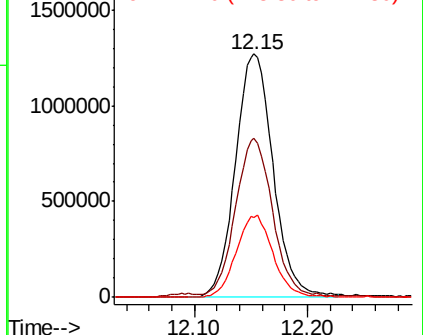
114 32.6 29.3 35.9



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: 7.793 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL037279.D

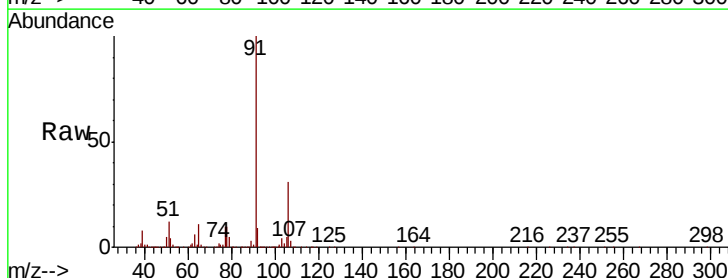
Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 5109787

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7

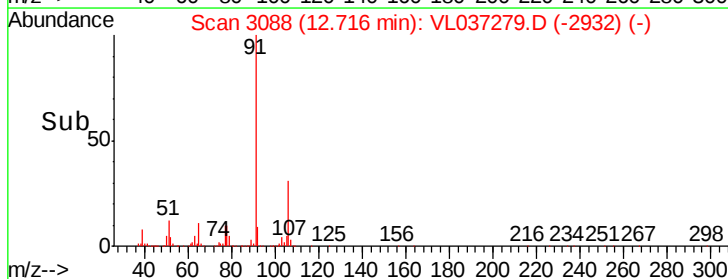
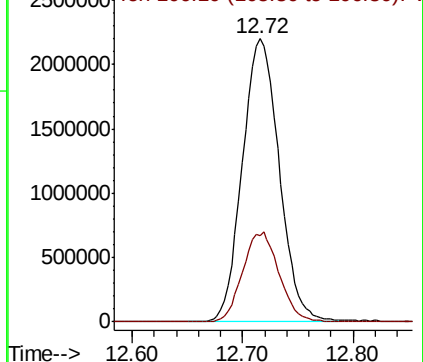
91 100

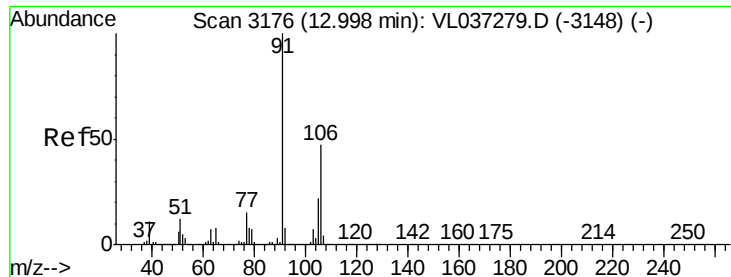
106 30.6 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

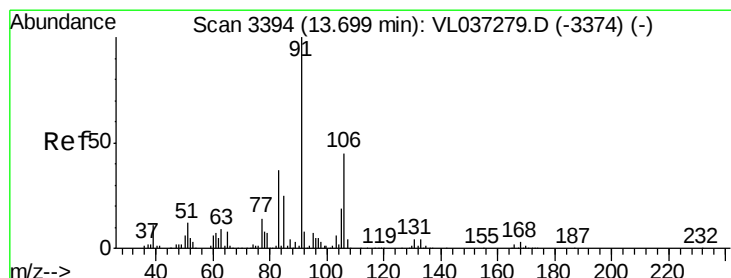
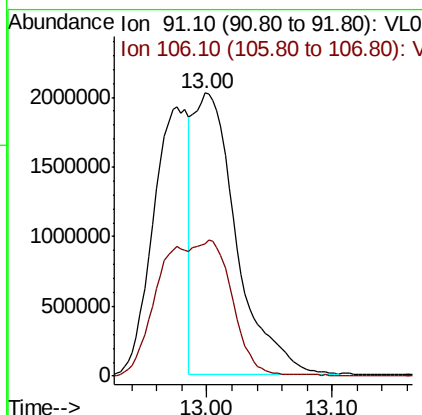
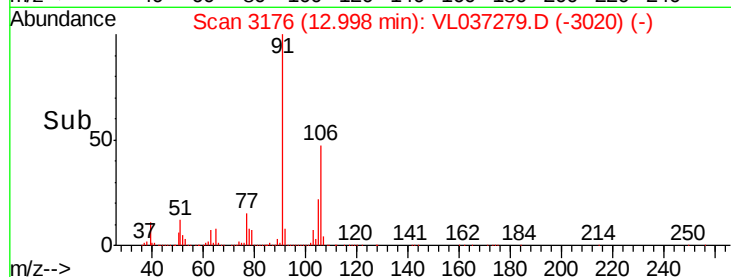
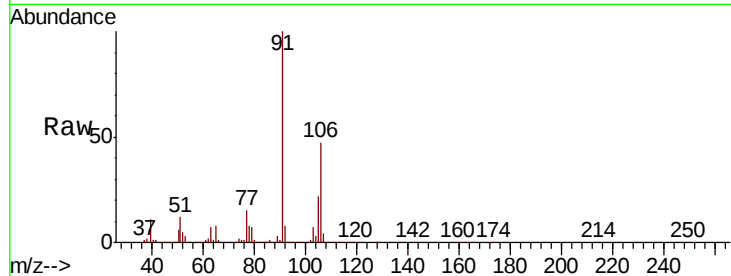




#59
m/p-Xylene
Concen: 8.648 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

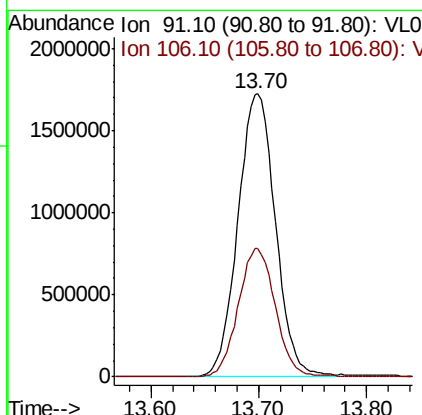
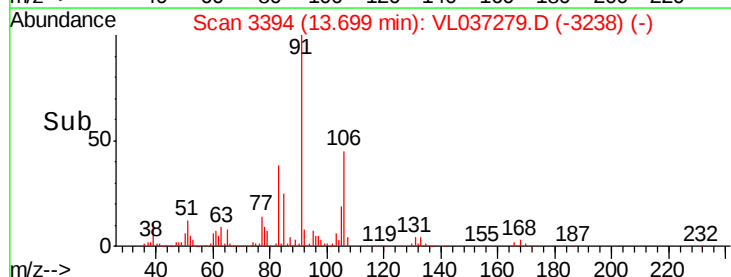
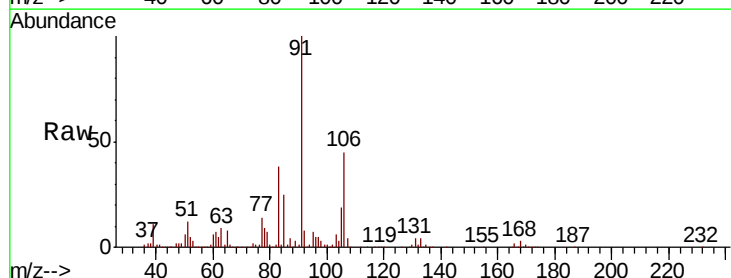
Instrument :
MSVOA_L
ClientSampleId :

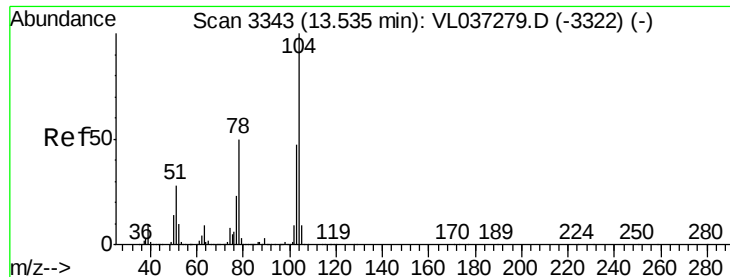
Tot Ion: 91 Resp: 4823165
Ion Ratio Lower Upper
91 100
106 81.8 36.2 54.2#



#60
o-Xylene
Concen: 7.818 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037279.D
Acq: 27 Jul 2021 2:35

Tgt Ion: 91 Resp: 4161615
Ion Ratio Lower Upper
91 100
106 45.2 22.6 67.8





#61

Stvrene

Concen: 8.510 ppbv

RT: 13.54 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

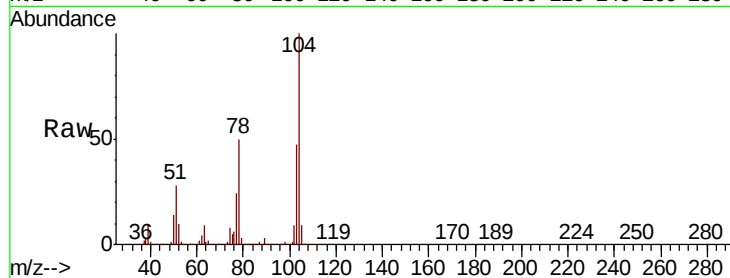
Tot Ion:104 Resp: 2316128

Ion Ratio Lower Upper

104 100

78 52.1 41.8 62.6

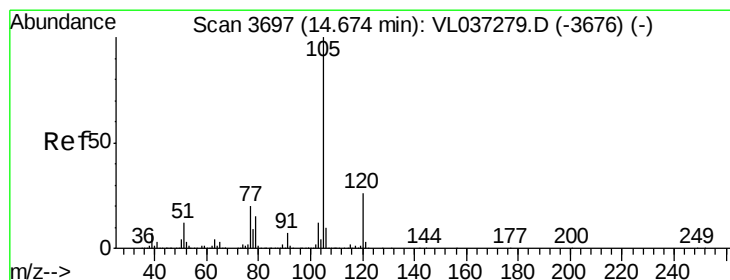
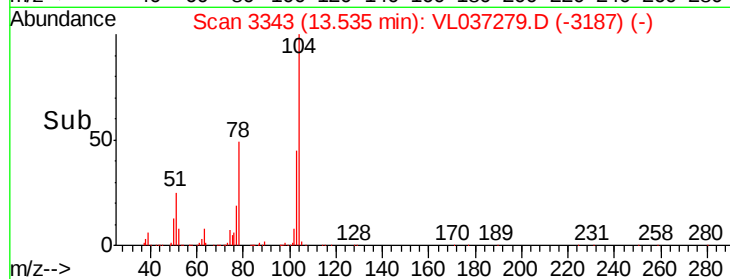
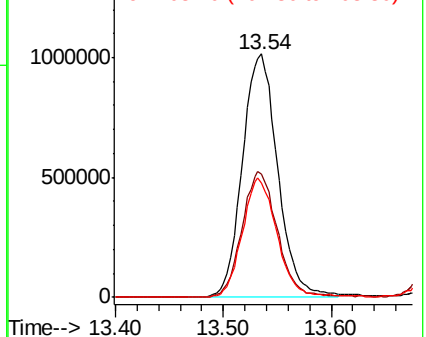
103 48.3 38.6 58.0



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: 7.685 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VL037279.D

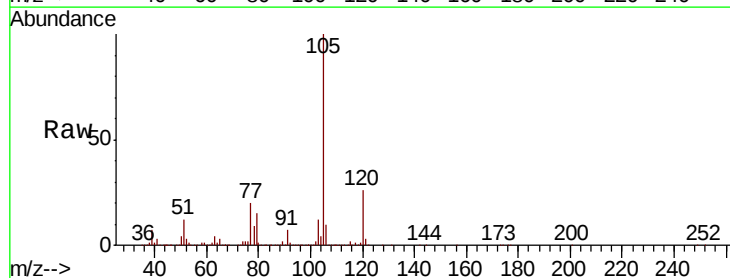
Acq: 27 Jul 2021 2:35

Tgt Ion:105 Resp: 5819433

Ion Ratio Lower Upper

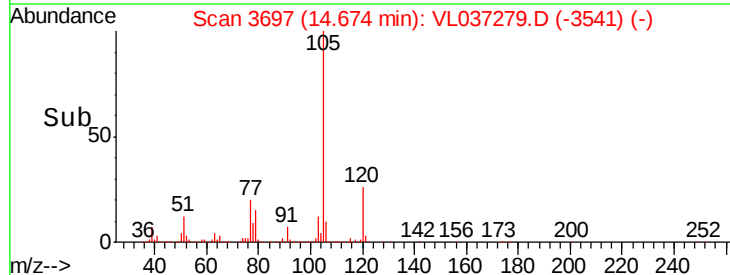
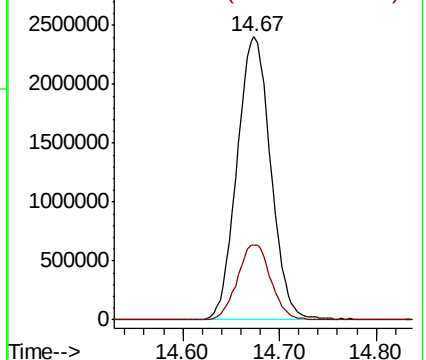
105 100

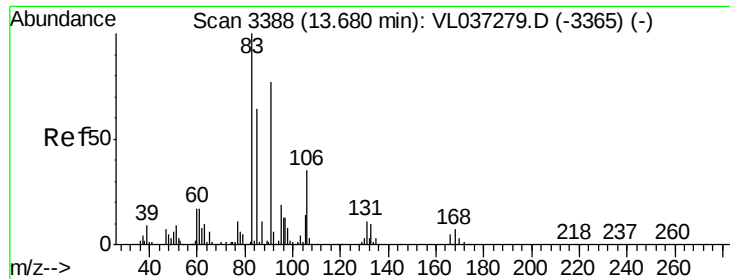
120 26.6 21.3 31.9



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: 8.000 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

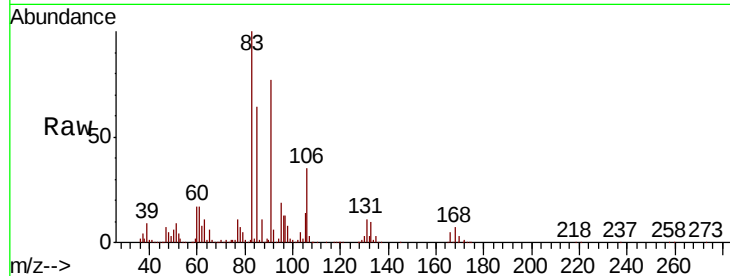
Tot Ion: 83 Resp: 2843083

Ion Ratio Lower Upper

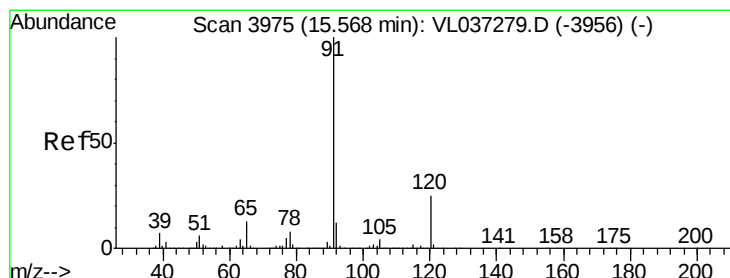
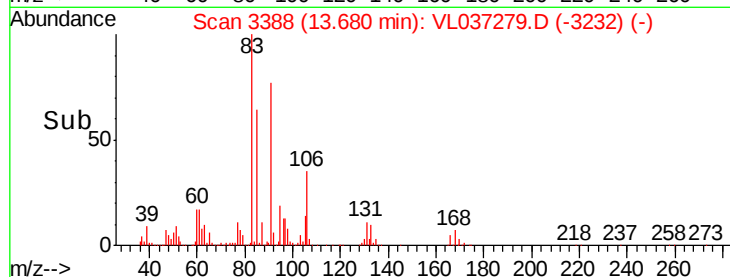
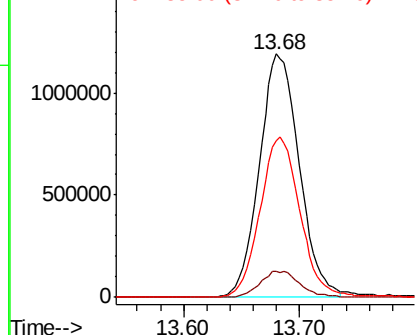
83 100

131 10.8 5.4 16.2

85 66.8 33.4 100.2



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: 8.122 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VL037279.D

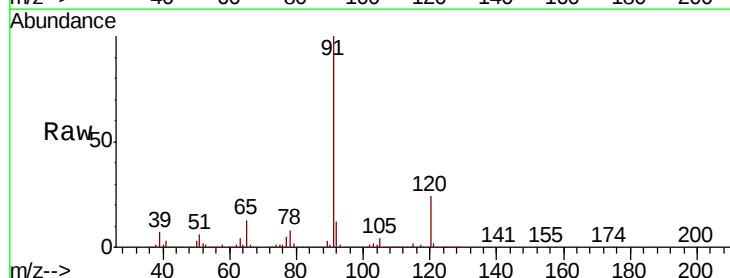
Acq: 27 Jul 2021 2:35

Tgt Ion:120 Resp: 1535001

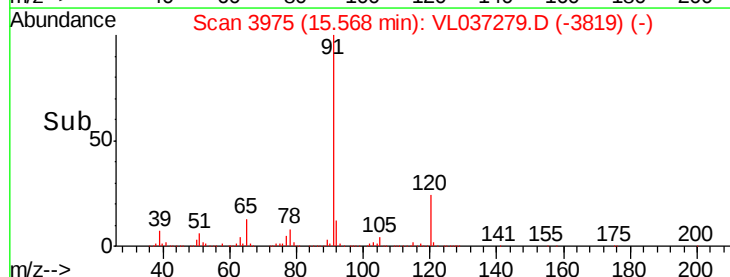
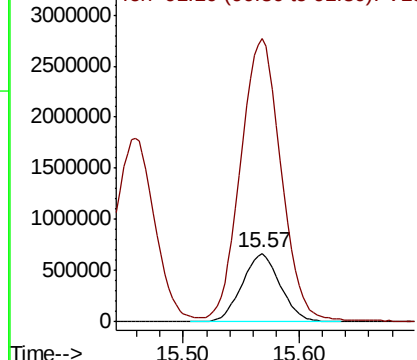
Ion Ratio Lower Upper

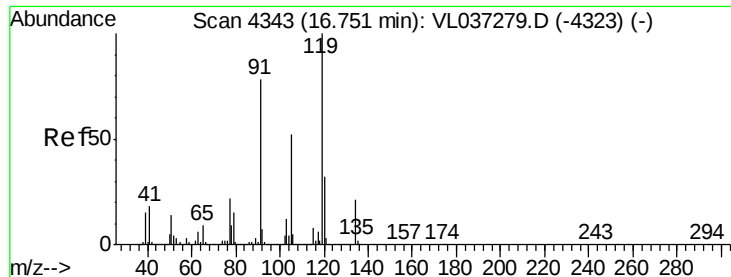
120 100

91 442.3 353.8 530.8



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.902 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

ClientSampleId :

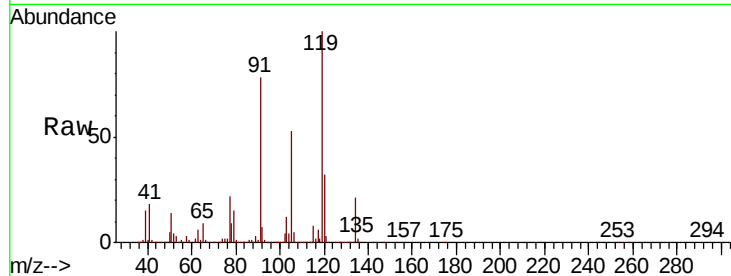
Tot Ion:119 Resp: 5338716

Ion Ratio Lower Upper

119 100

91 79.2 63.4 95.0

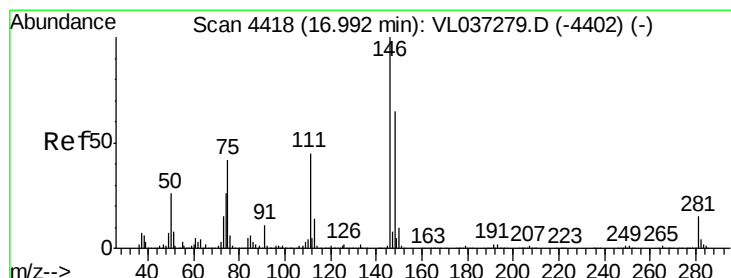
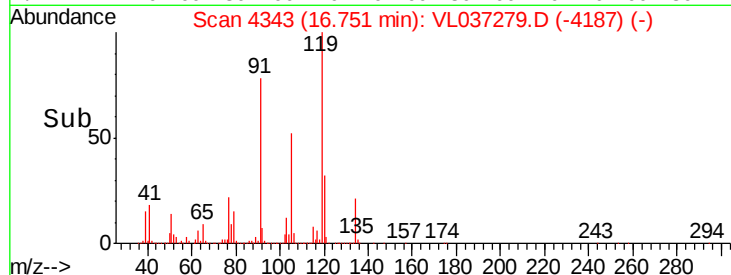
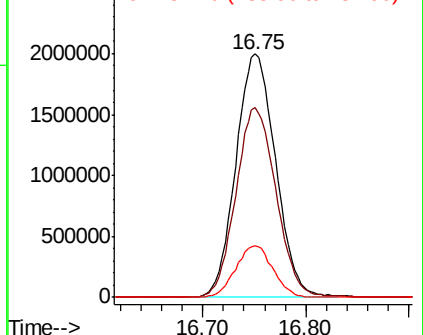
134 20.1 16.1 24.1



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: 8.171 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

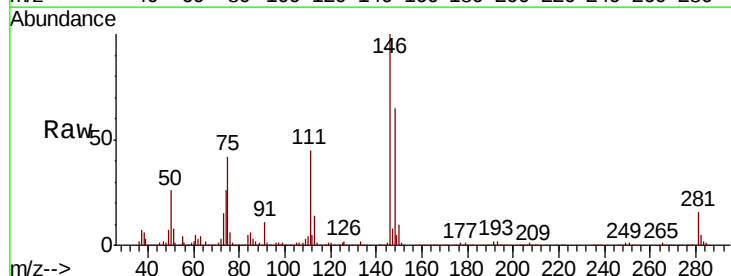
Tgt Ion: 91 Resp: 235113

Ion Ratio Lower Upper

91 100

126 17.2 13.4 20.2

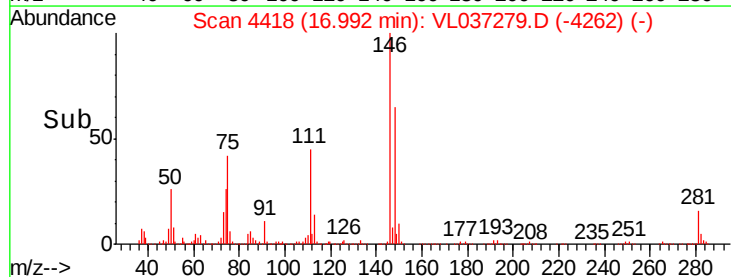
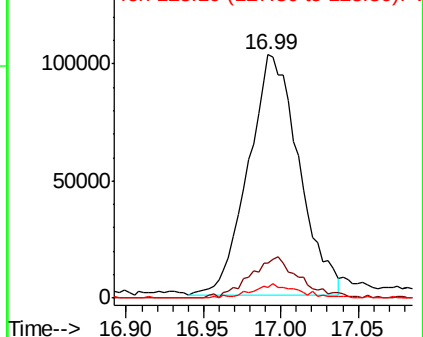
128 5.6 4.5 6.7

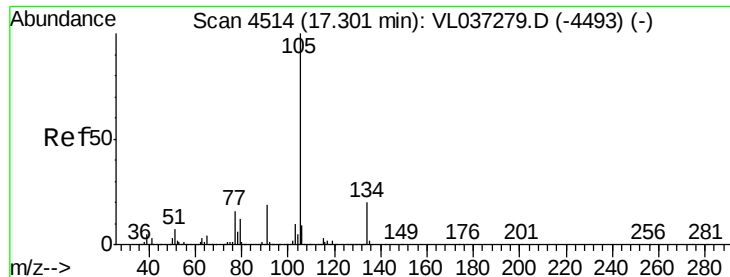


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.834 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

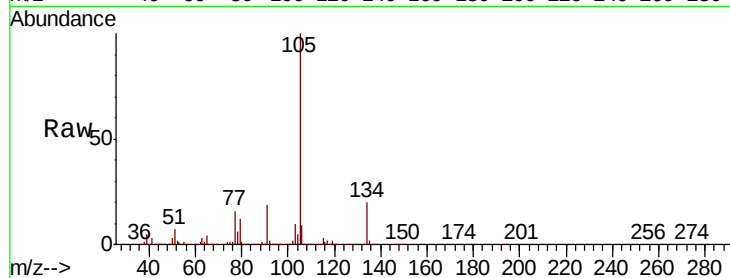
ClientSampleId :

Tot Ion:105 Resp: 7047886

Ion Ratio Lower Upper

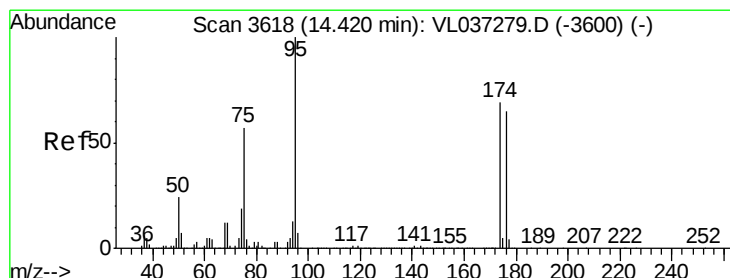
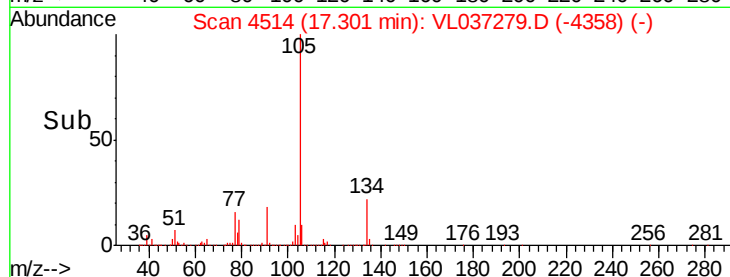
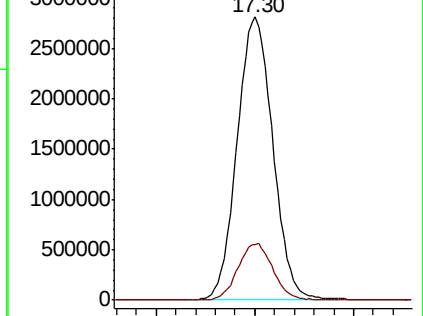
105 100

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: 8.215 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

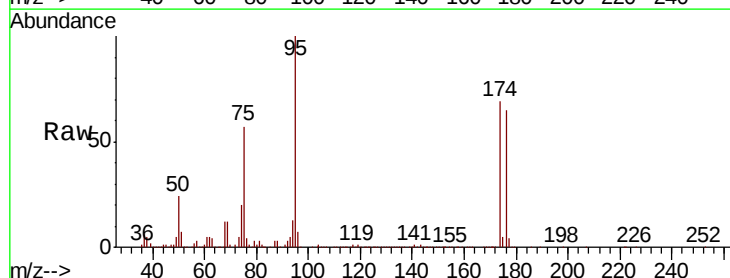
Tgt Ion: 95 Resp: 2936729

Ion Ratio Lower Upper

95 100

174 70.7 56.3 84.5

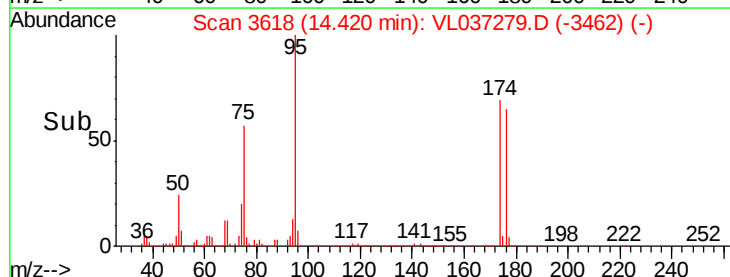
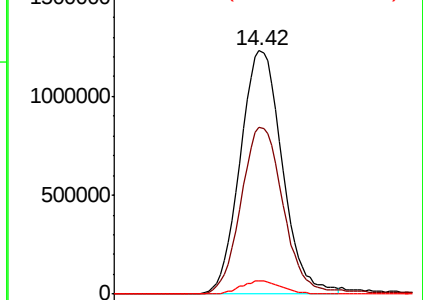
175 5.4 4.3 6.5

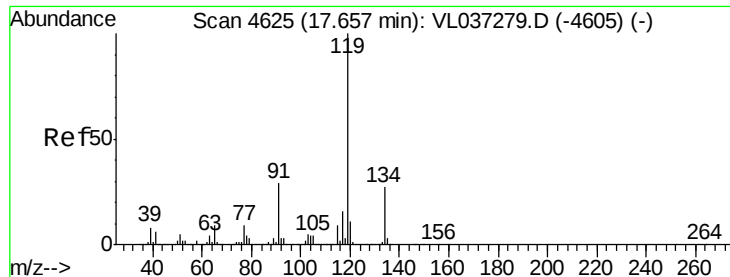


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



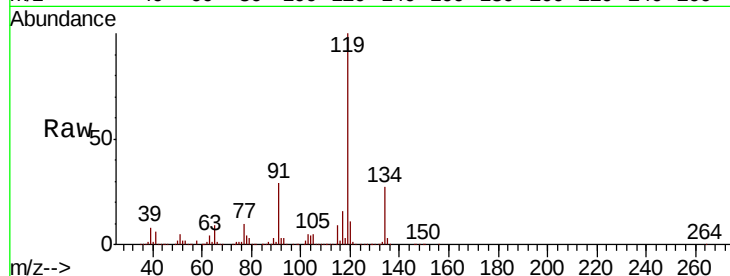


#69
 p-Isopropyltoluene
 Concen: 7.984 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

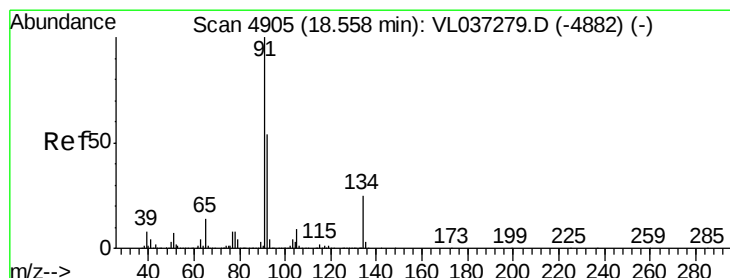
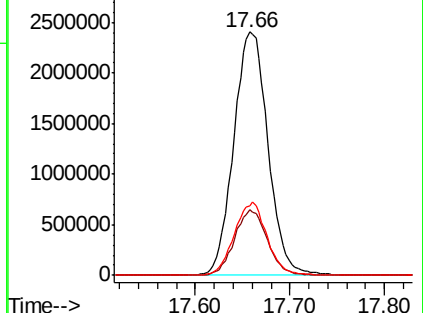
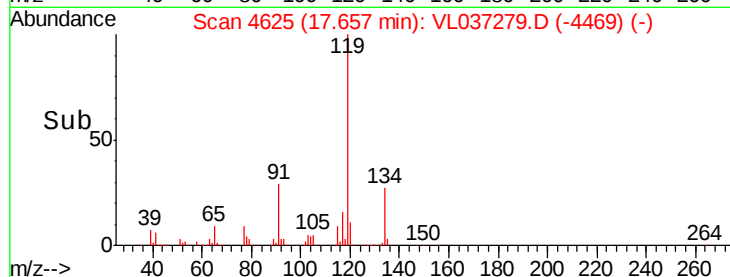
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6058603

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	28.6	23.0	34.4



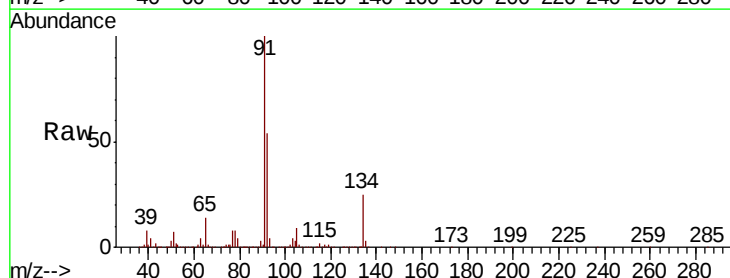
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



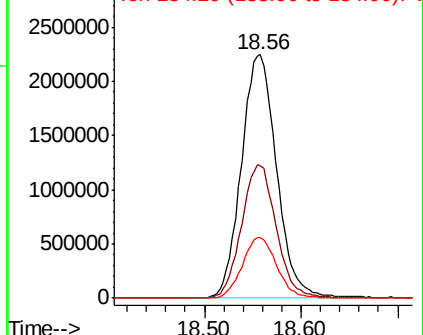
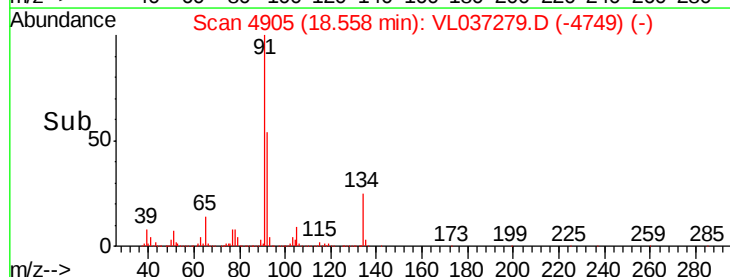
#70
 n-Butylbenzene
 Concen: 8.074 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

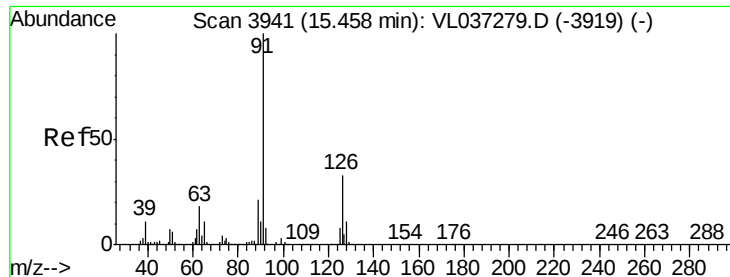
Tgt Ion: 91 Resp: 5666132

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.4	65.2
134	24.6	19.6	29.4



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: 8.016 ppbv

RT: 15.46 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

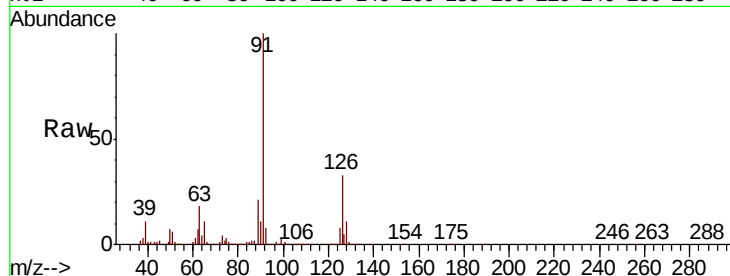
ClientSampleId :

Tot Ion: 91 Resp: 4258918

Ion Ratio Lower Upper

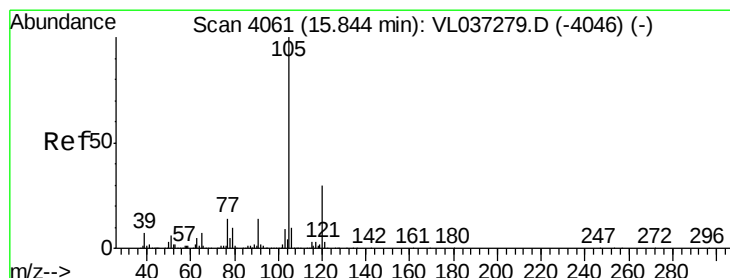
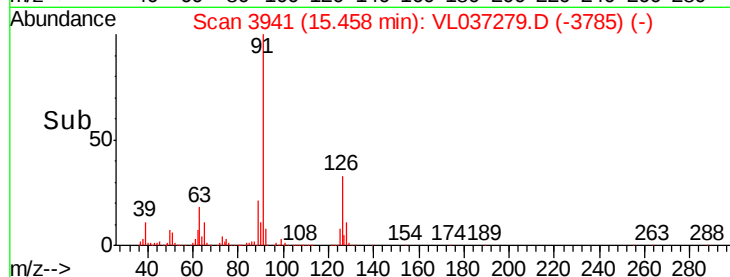
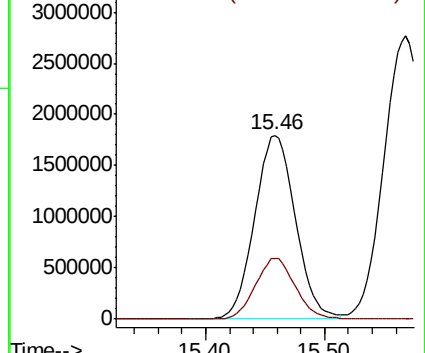
91 100

126 32.7 13.1 52.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.207 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:105 Resp: 4978134

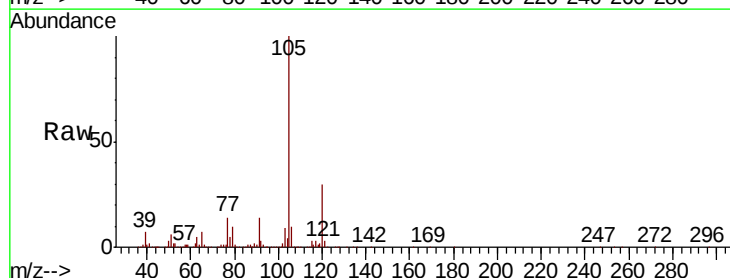
Ion Ratio Lower Upper

105 100

120 30.4 24.3 36.5

91 13.1 10.5 15.7

77 13.8 11.0 16.6

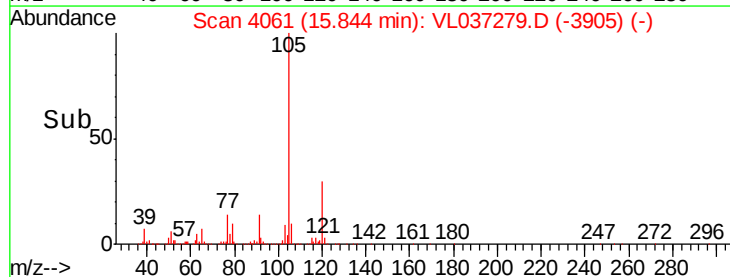
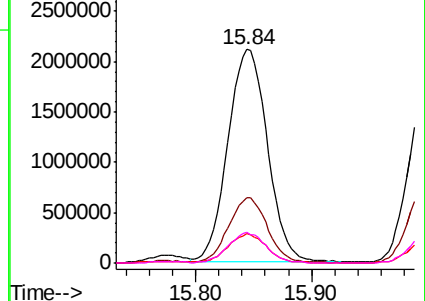


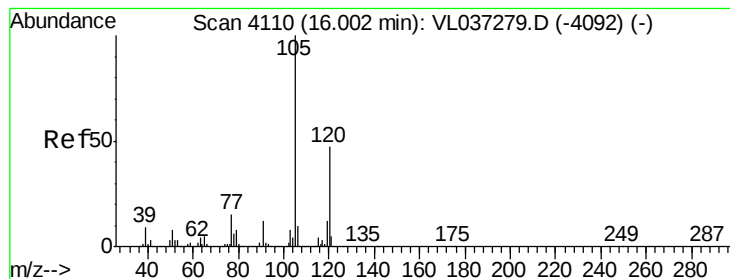
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.765 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Instrument :

MSVOA_L

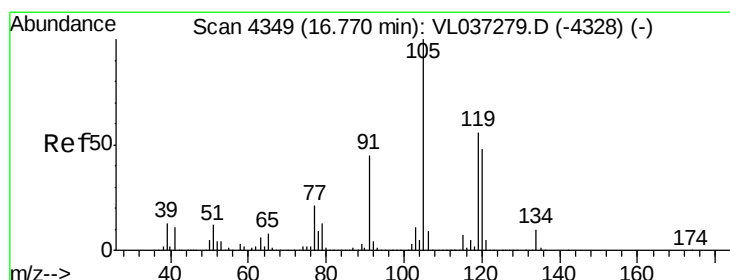
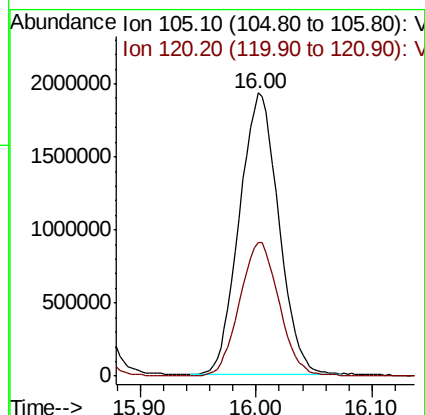
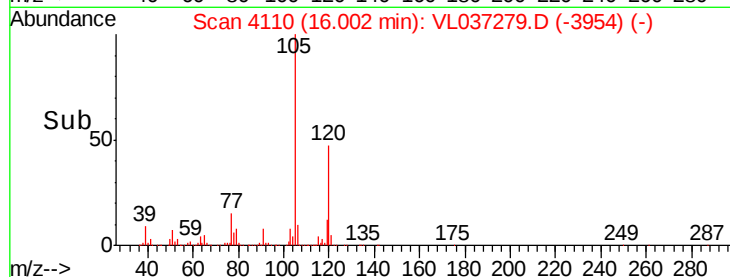
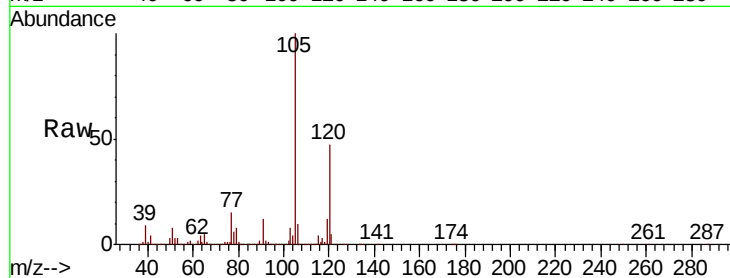
ClientSampleId :

Tot Ion:105 Resp: 4552762

Ion Ratio Lower Upper

105 100

120 47.1 37.7 56.5



#74

1,2,4-Trimethylbenzene

Concen: 7.882 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:105 Resp: 4762731

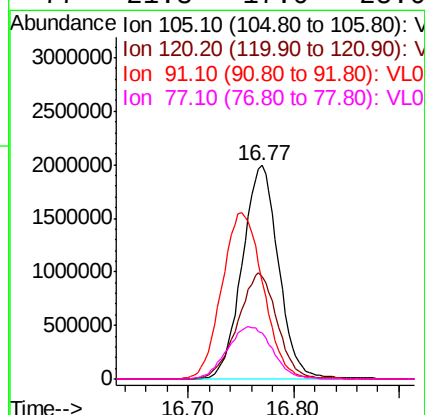
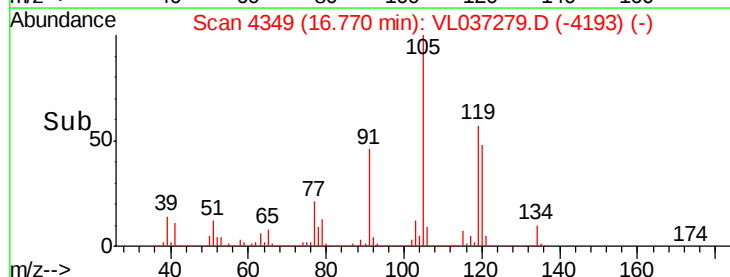
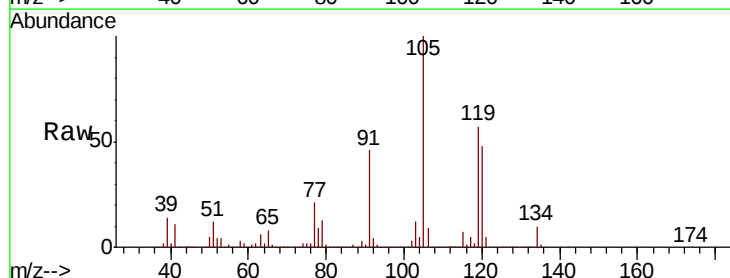
Ion Ratio Lower Upper

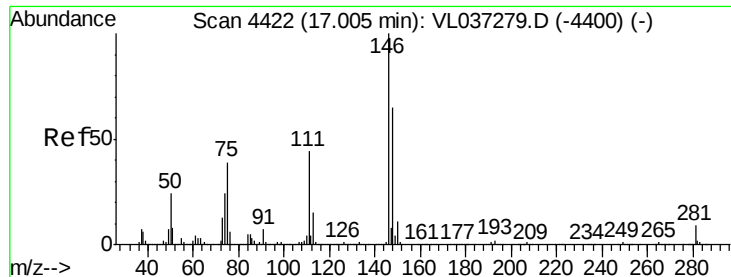
105 100

120 47.8 38.2 57.4

91 45.2 36.2 54.2

77 21.3 17.0 25.6





#75

1,3-Dichlorobenzene

Concen: 7.842 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

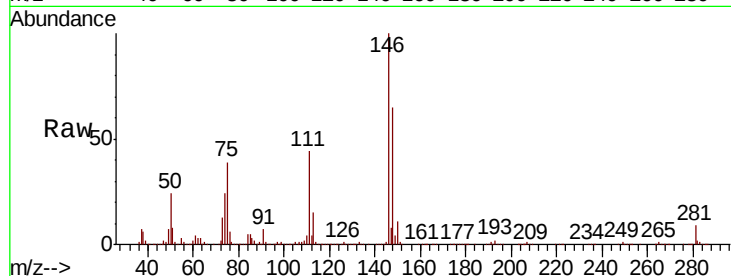
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2876312

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.6	67.8
148	64.9	32.4	97.2

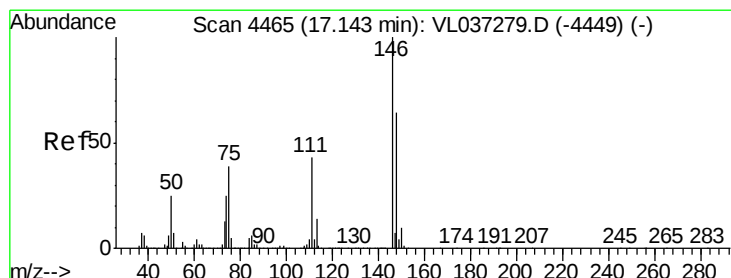
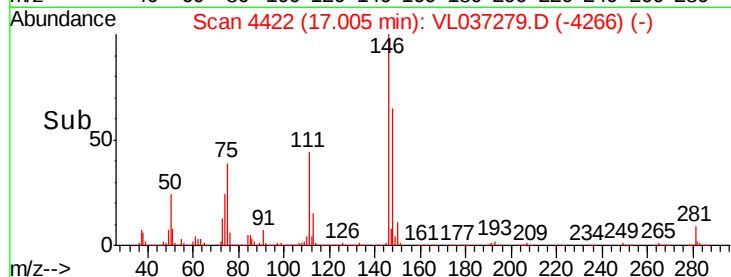
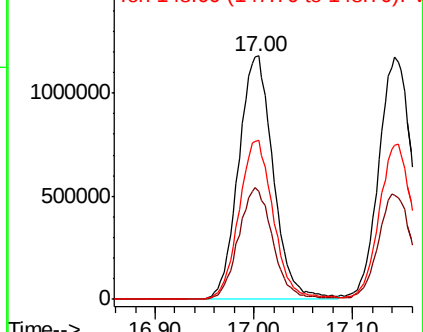


Abundance

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: 7.460 ppbv

RT: 17.14 min Scan# 4465

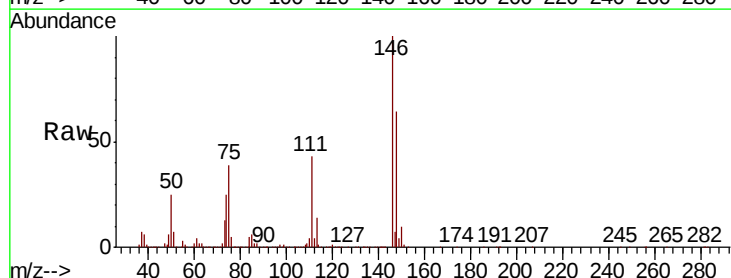
Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:146 Resp: 2728819

Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.8	68.4
148	67.3	33.7	101.0

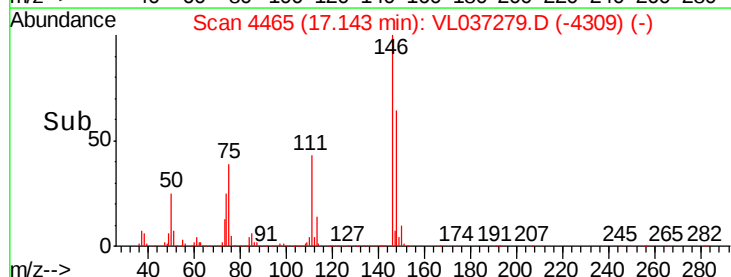
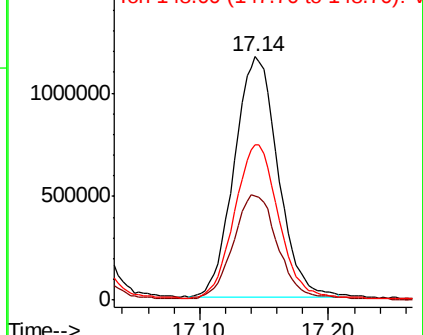


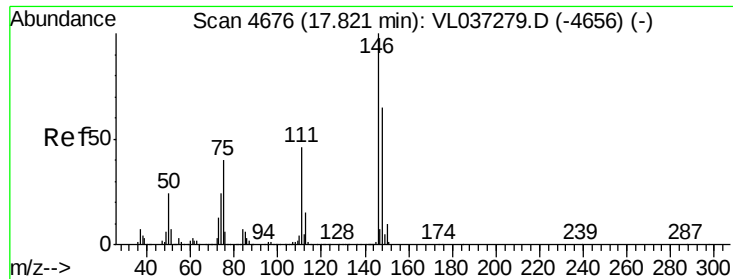
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

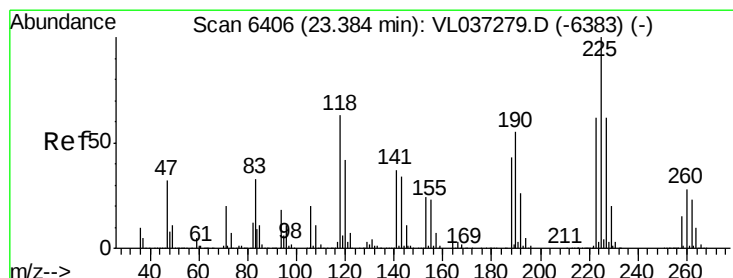
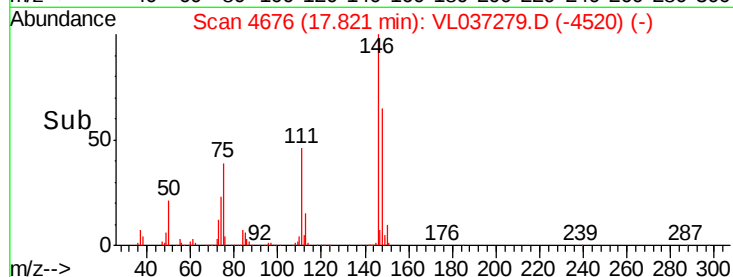
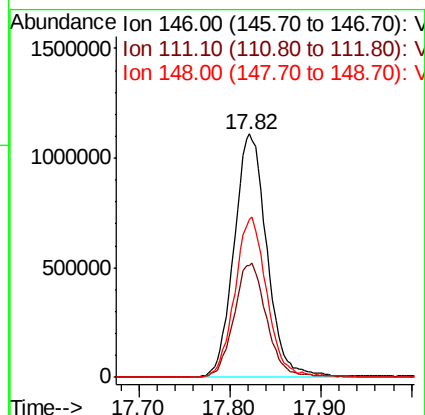
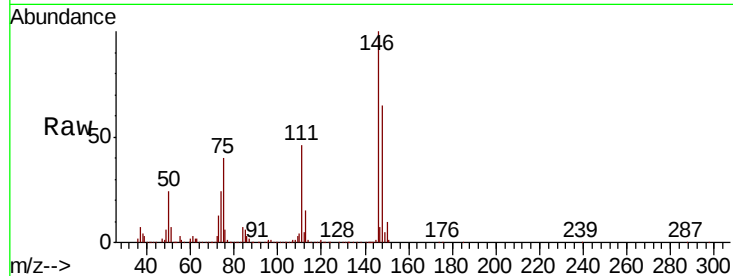




#77
 1,2-Dichlorobenzene
 Concen: 7.760 ppbv
 RT: 17.82 min Scan# 4676
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

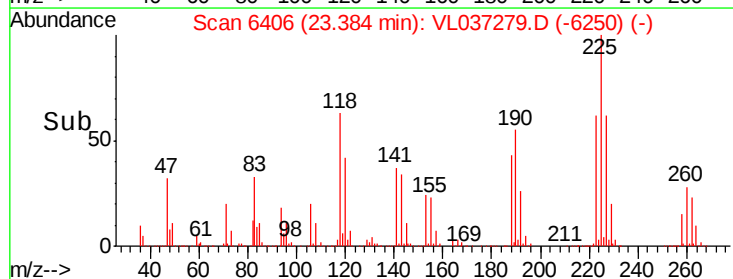
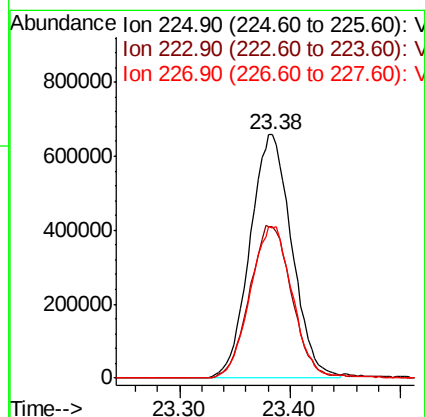
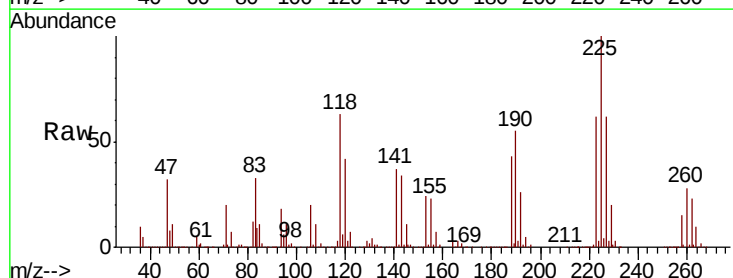
Instrument :
 MSVOA_L
 ClientSampled :

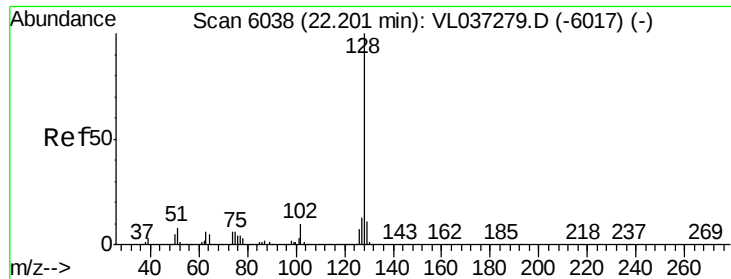
Tot Ion:146 Resp: 2761737
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.3
 148 64.6 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.834 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Tgt Ion:225 Resp: 1726734
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.4 77.2
 227 63.7 50.8 76.2





#79

Naphthalene

Concen: 6.680 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

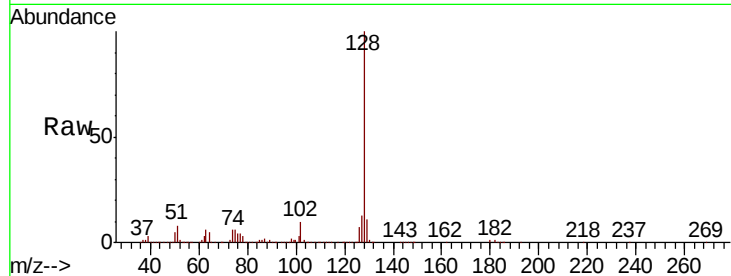
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 3159682

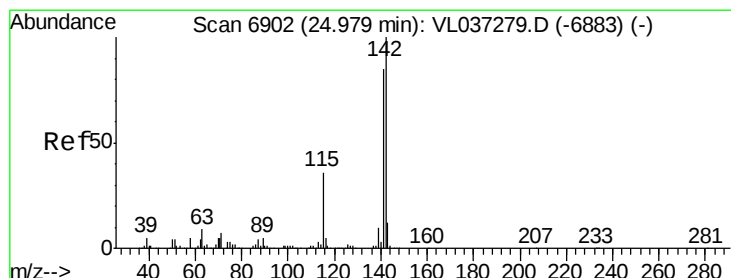
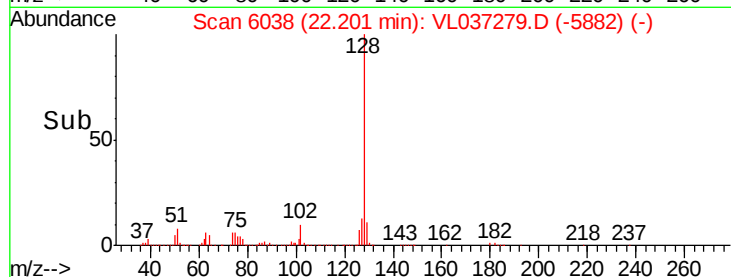
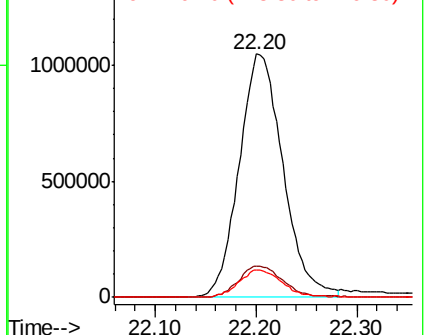
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	9.0	13.4



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.197 ppbv

RT: 24.98 min Scan# 6902

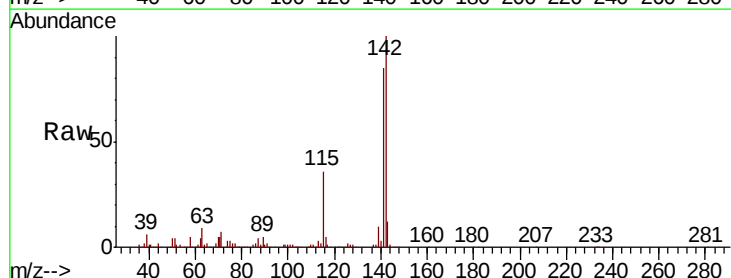
Delta R.T. 0.00 min

Lab File: VL037279.D

Acq: 27 Jul 2021 2:35

Tgt Ion:142 Resp: 590424

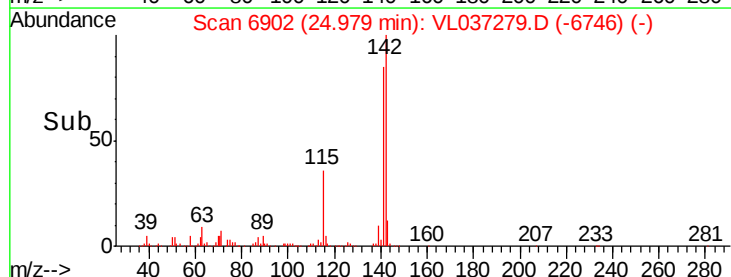
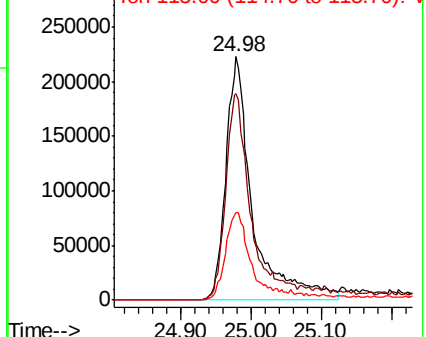
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.7	106.1
115	39.8	31.4	47.0

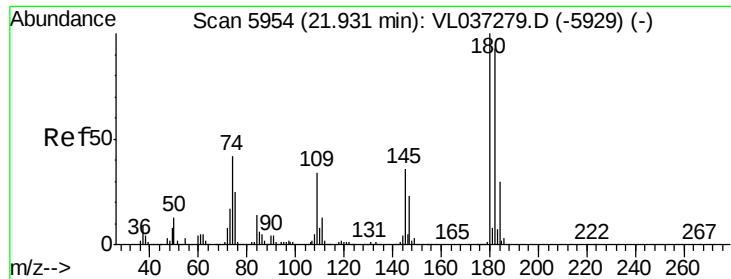


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.714 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.00 min
 Lab File: VL037279.D
 Acq: 27 Jul 2021 2:35

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1862842
 Ion Ratio Lower Upper
 180 100
 182 96.9 79.3 118.9
 184 30.7 24.8 37.2

