

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037596.D
 Acq On : 9 Sep 2021 13:24
 Operator : SY/AP
 Sample : VL0909ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 10 01:32:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1490121	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4511197	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	4201448	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2990608	10.02	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1838631	7.690	ppbv	94
3) Chlorodifluoromethane	3.00	51	2900231	10.164	ppbv	100
4) Chloromethane	3.15	50	1056834	10.365	ppbv	94
5) Vinyl Chloride	3.27	62	1090508	10.439	ppbv	97
6) Bromomethane	3.48	94	591259	10.332	ppbv	100
7) Chloroethane	3.57	64	368066	10.323	ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	2388061	9.675	ppbv	99
9) Propene	3.02	41	1062247	10.405	ppbv	97
10) Heptane	8.14	43	2669224	11.359	ppbv	98
11) Trichlorofluoromethane	3.96	101	2186481	9.742	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1777240	10.792	ppbv	98
13) Ethanol	3.62	45	50159	5.049	ppbv #	39
14) Bromoethene	3.75	108	749402	10.023	ppbv	98
15) Acetone	3.86	43	1278748	8.432	ppbv	99
16) 1,3-Butadiene	3.34	39	1044205	10.734	ppbv	98
17) tert-Butyl alcohol	4.30	59	1581737	11.418	ppbv	100
18) 1,1-Dichloroethene	4.30	96	786258	10.510	ppbv	98
19) Isopropyl Alcohol	3.98	45	876552	10.089	ppbv #	97
20) Methylene Chloride	4.36	84	669683	8.820	ppbv	97
21) Allyl Chloride	4.42	41	1299070	10.547	ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	832863	11.159	ppbv	97
23) Vinyl Acetate	5.09	43	2158081	9.654	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1656409	10.217	ppbv	99
25) Ethyl Acetate	5.69	43	4036274	10.484	ppbv	99
26) Hexane	5.70	57	1942763	10.321	ppbv	99
27) Carbon Disulfide	4.56	76	1936517	11.544	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1719219	9.510	ppbv	99
29) Chloroform	5.77	83	2690498	10.086	ppbv	99
30) Cyclohexane	7.14	84	1676961	10.692	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1796493	10.545	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2619856	9.996	ppbv	99
34) 2-Butanone	5.26	43	1428480	7.754	ppbv	99
35) Carbon Tetrachloride	7.03	117	2717094	10.191	ppbv	97
36) Benzene	6.91	78	4062473	10.712	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1971528	10.495	ppbv	100
38) Trichloroethene	7.85	130	1618296	10.401	ppbv	97
39) 1,2-Dichloropropane	7.63	63	1536394	10.543	ppbv	99
40) 1,4-Dioxane	7.85	88	109234	3.060	ppbv #	100
41) Tetrahydrofuran	6.06	42	956781	10.782	ppbv	99
42) Bromodichloromethane	7.81	83	2889664	10.520	ppbv	95
43) Methyl Methacrylate	8.03	69	1458815	11.037	ppbv	98

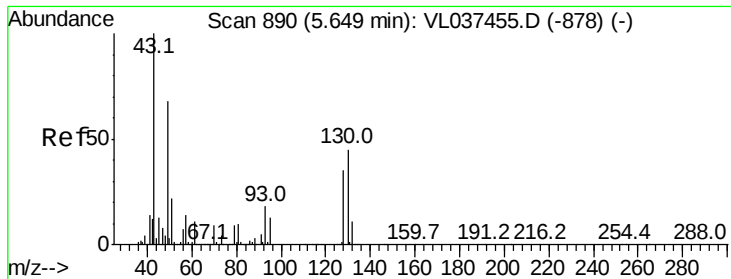
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037596.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6717433	10.525	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1281567	12.880	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1696090	12.220	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	1605367	10.196	ppbv	99
48) Dibromochloromethane	10.32	129	2524842	11.143	ppbv	100
49) Bromoform	13.05	173	1992430	11.155	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2671790	11.117	ppbv	99
51) 2-Hexanone	10.15	43	1262608	11.422	ppbv #	99
52) Tetrachloroethene	11.23	164	1518158	9.769	ppbv	95
53) Toluene	9.82	91	4687335	10.825	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2330990	10.604	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1730208	9.883	ppbv	99
57) Chlorobenzene	12.16	112	3417231	9.801	ppbv	98
58) Ethyl Benzene	12.73	91	5935255	10.180	ppbv	99
59) m/p-Xylene	13.01	91	5294811	10.475	ppbv #	39
60) o-Xylene	13.71	91	4633371	9.821	ppbv	98
61) Styrene	13.54	104	2620963	10.695	ppbv	99
62) Isopropylbenzene	14.68	105	6196590	9.307	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.69	83	3135939	8.944	ppbv	99
64) n-propylbenzene	15.57	120	1625952	9.596	ppbv	93
65) tert-Butylbenzene	16.76	119	5435472	8.964	ppbv	99
66) Benzyl Chloride	17.00	91	340771	12.423	ppbv	97
67) sec-Butylbenzene	17.31	105	7507748	8.861	ppbv	100
69) p-Isopropyltoluene	17.67	119	6257359	9.063	ppbv	99
70) n-Butylbenzene	18.56	91	6140918	9.307	ppbv	100
71) 2-Chlorotoluene	15.47	91	4501953	9.220	ppbv	99
72) 4-Ethyltoluene	15.85	105	5135971	9.153	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4943420	9.464	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4978460	8.969	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	2829241	8.468	ppbv	97
76) 1,4-Dichlorobenzene	17.15	146	2944573	8.749	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2832833	8.611	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2519574	9.211	ppbv	99
79) Naphthalene	22.21	128	4804106	12.934	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1140325	11.020	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	2640864	11.330	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

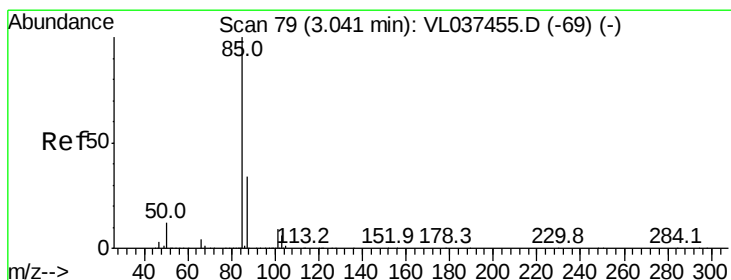
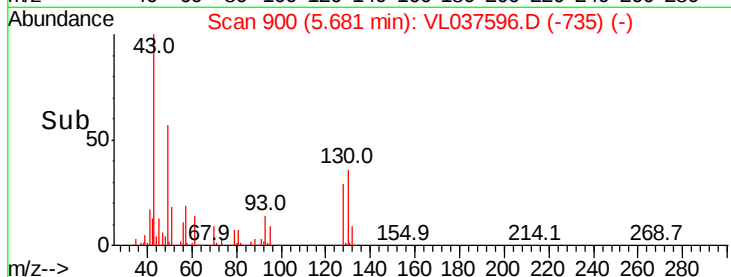
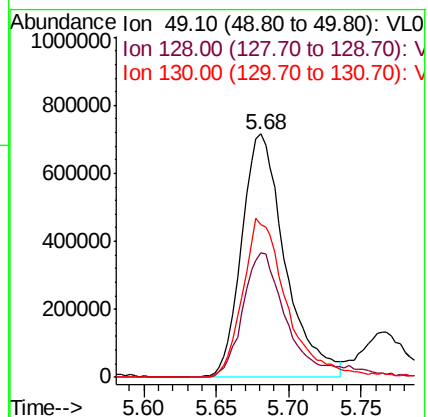
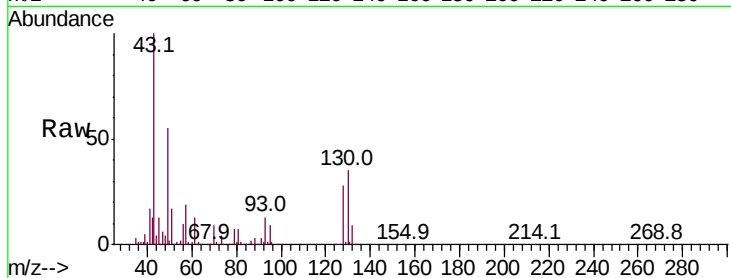
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1490121

Ion	Ratio	Lower	Upper
49	100		
128	54.9	27.5	82.4
130	68.0	34.0	101.8



#2

Dichlorodifluoromethane

Concen: 7.690 ppbv

RT: 3.05 min Scan# 83

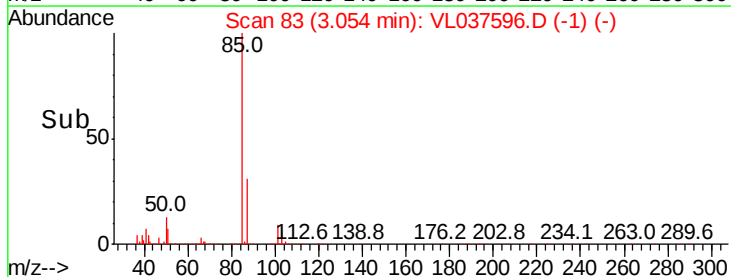
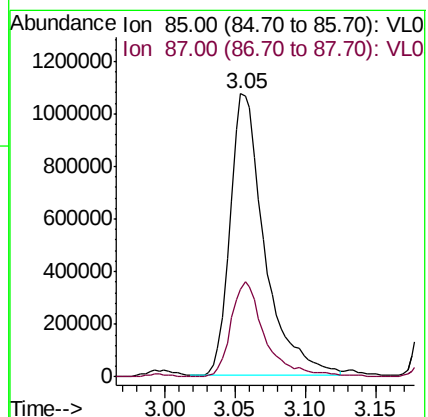
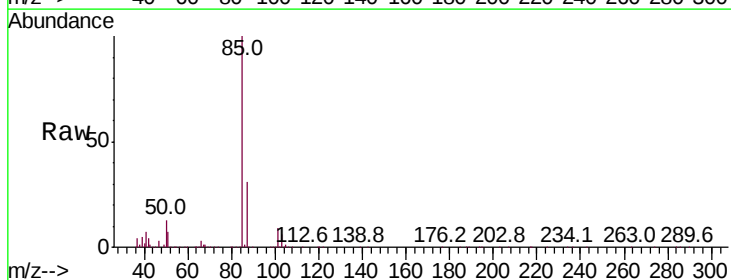
Delta R.T. 0.01 min

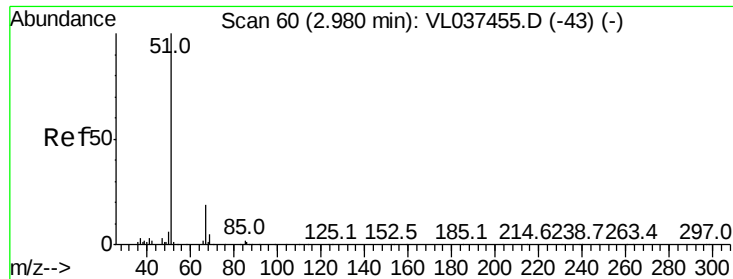
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion: 85 Resp: 1838631

Ion	Ratio	Lower	Upper
85	100		
87	31.0	27.6	41.4

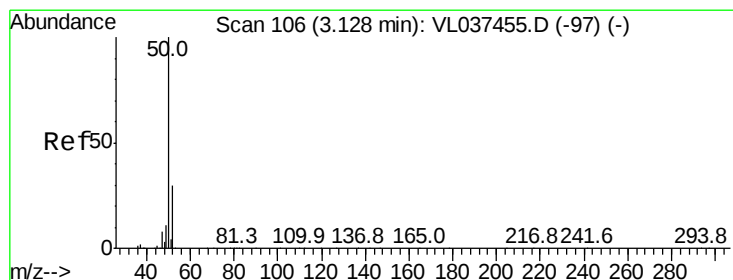
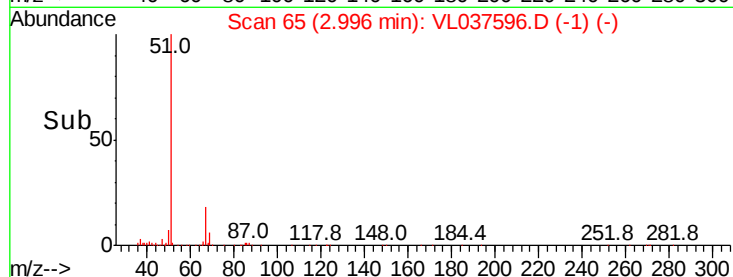
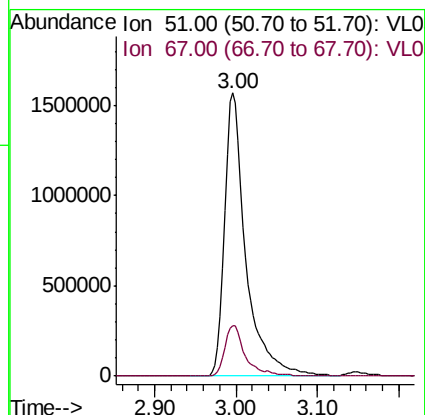
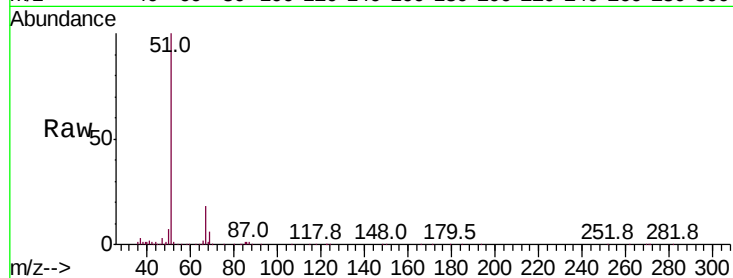




#3
 Chlorodifluoromethane
 Concen: 10.164 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

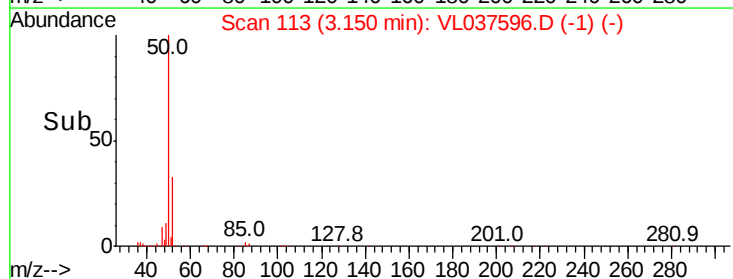
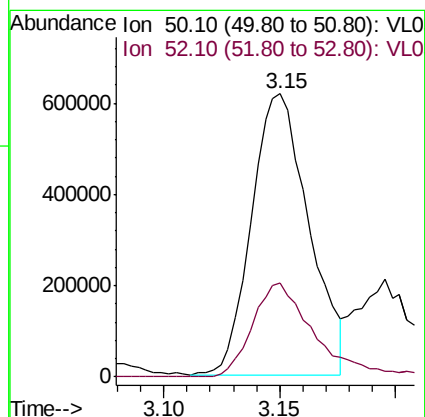
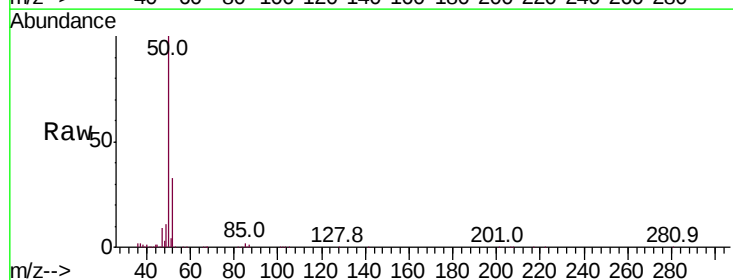
Instrument :
 MSVOA_L
 ClientSampleId :

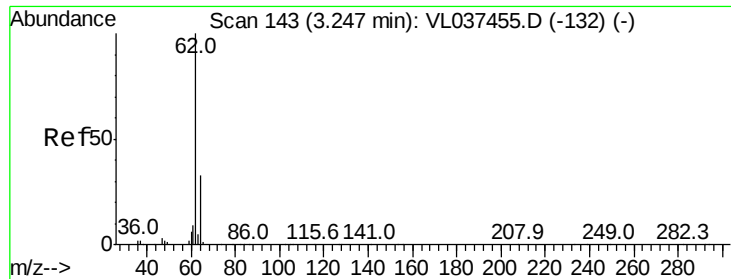
Tot Ion: 51 Resp: 2900231
 Ion Ratio Lower Upper
 51 100
 67 17.6 14.2 21.2



#4
 Chloromethane
 Concen: 10.365 ppbv
 RT: 3.15 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 50 Resp: 1056834
 Ion Ratio Lower Upper
 50 100
 52 33.4 24.0 36.0





#5

Vinyl Chloride

Concen: 10.439 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

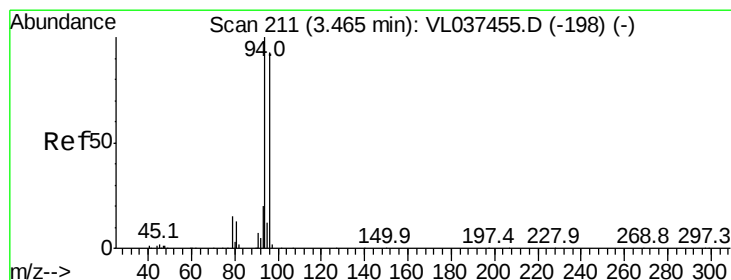
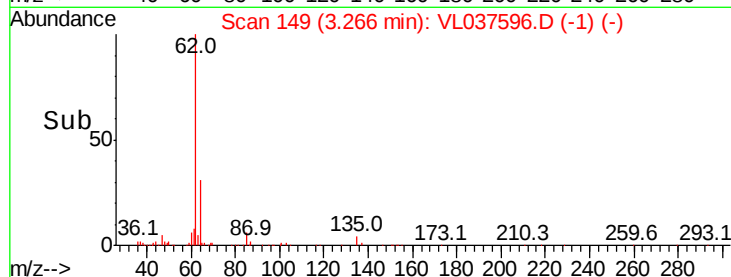
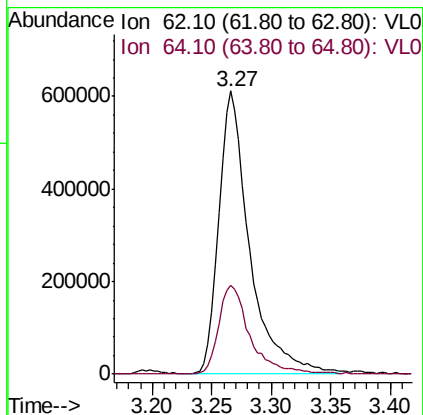
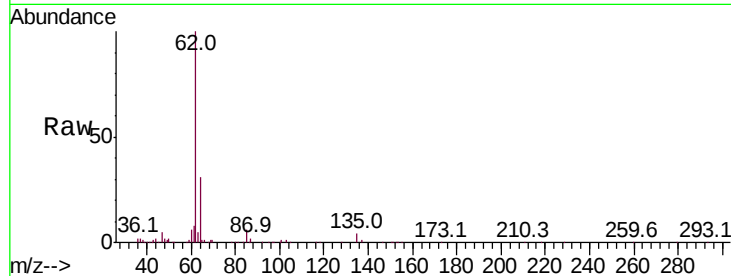
ClientSampleId :

Tot Ion: 62 Resp: 1090508

Ion Ratio Lower Upper

62 100

64 31.5 26.5 39.7



#6

Bromomethane

Concen: 10.332 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037596.D

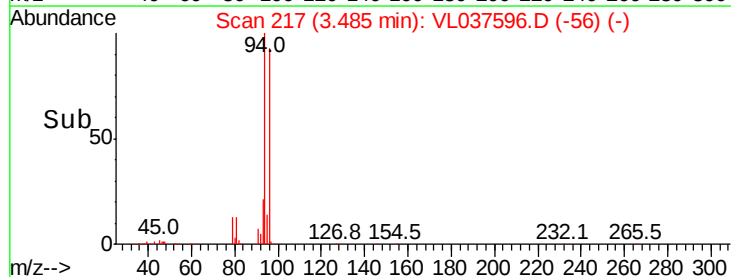
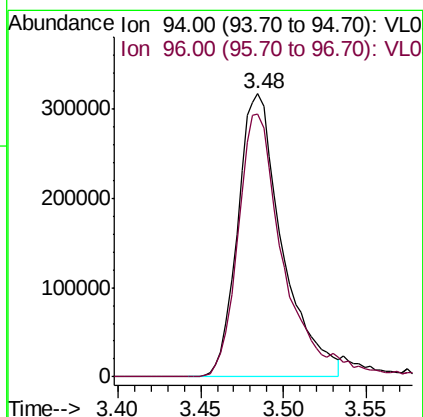
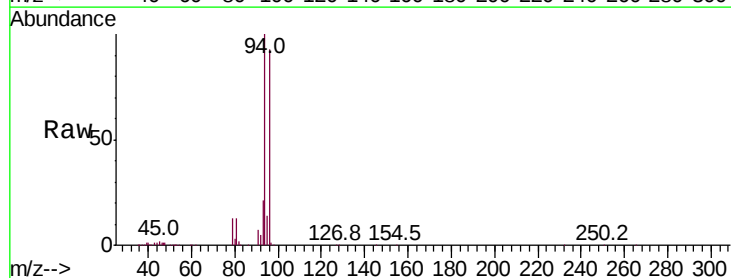
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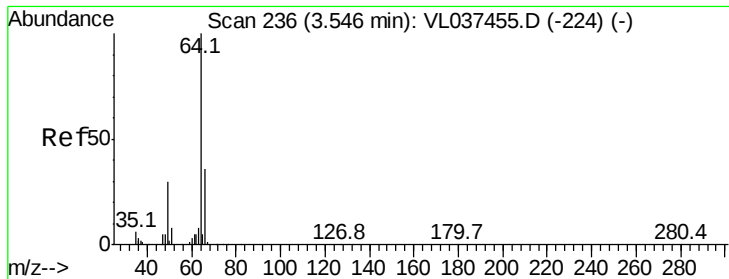
Tgt Ion: 94 Resp: 591259

Ion Ratio Lower Upper

94 100

96 92.7 74.5 111.7





#7

Chloroethane

Concen: 10.323 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

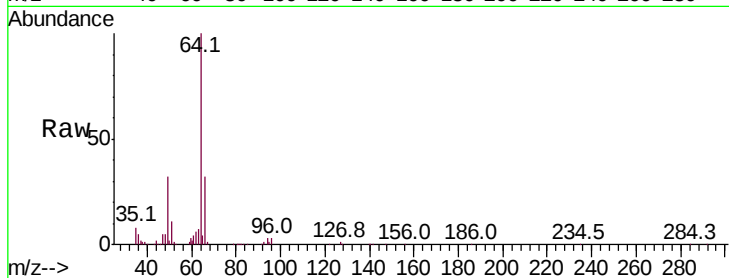
ClientSampleId :

Tot Ion: 64 Resp: 368066

Ion Ratio Lower Upper

64 100

66 32.4 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

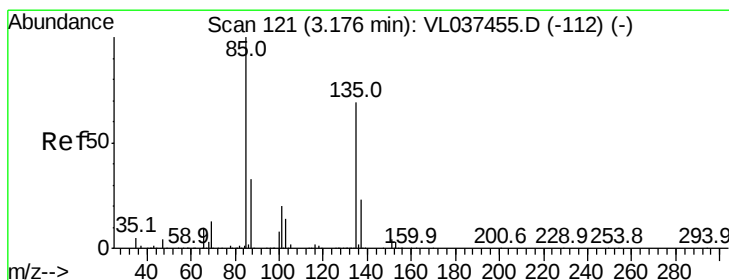
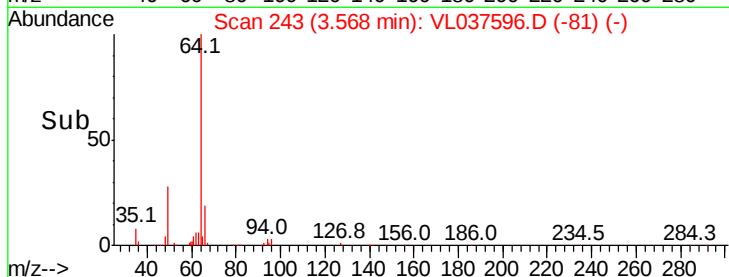
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.675 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL037596.D

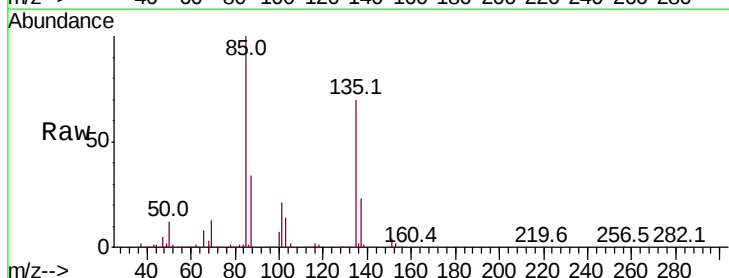
Acq: 9 Sep 2021 13:24

Tgt Ion: 85 Resp: 2388061

Ion Ratio Lower Upper

85 100

135 72.9 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

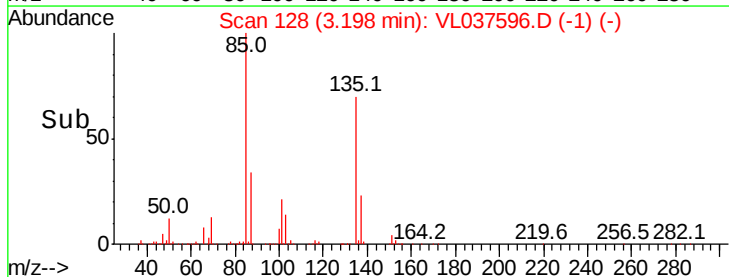
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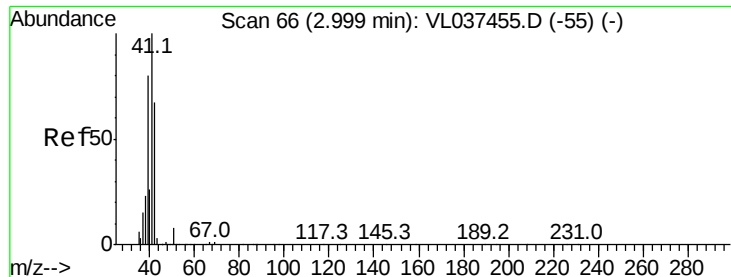
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Time-->





#9

Propene

Concen: 10.405 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

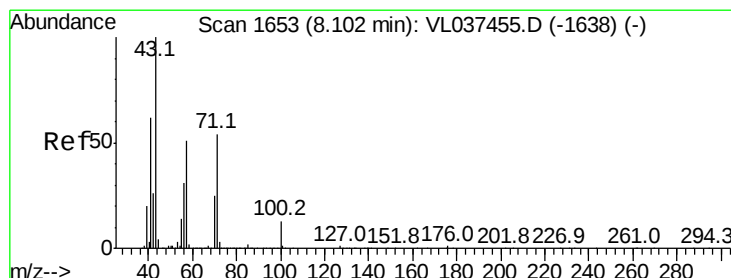
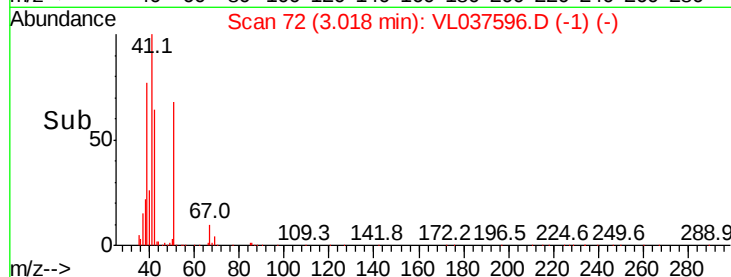
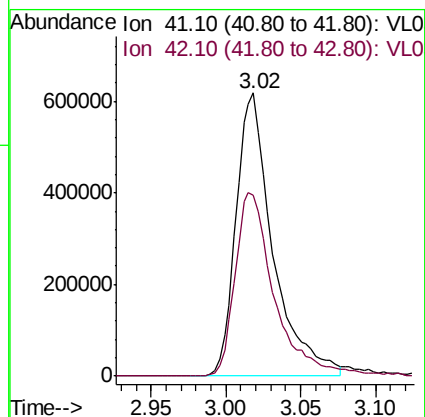
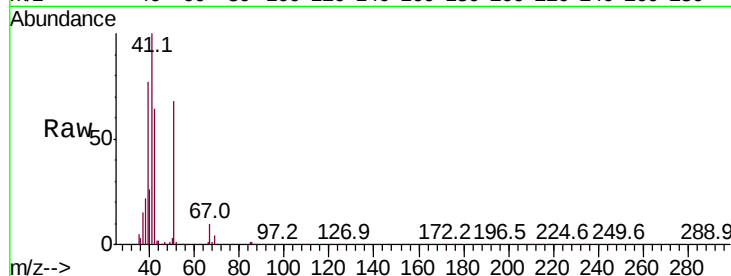
ClientSampleId :

Tot Ion: 41 Resp: 1062247

Ion Ratio Lower Upper

41 100

42 69.8 53.7 80.5



#10

Heptane

Concen: 11.359 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037596.D

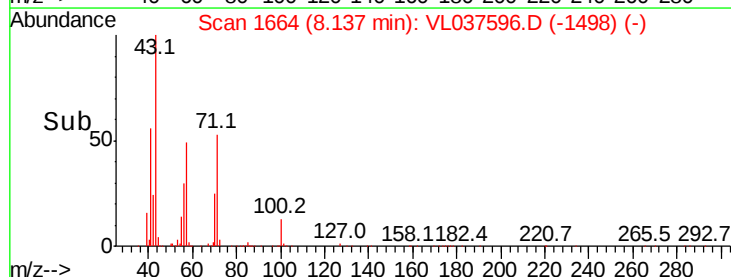
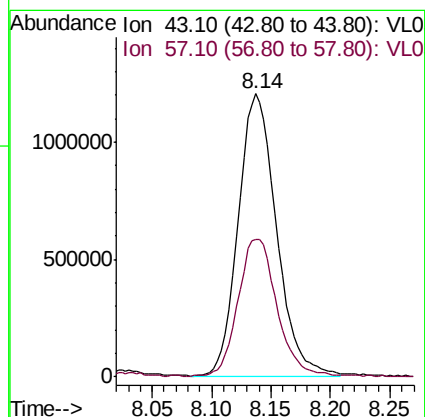
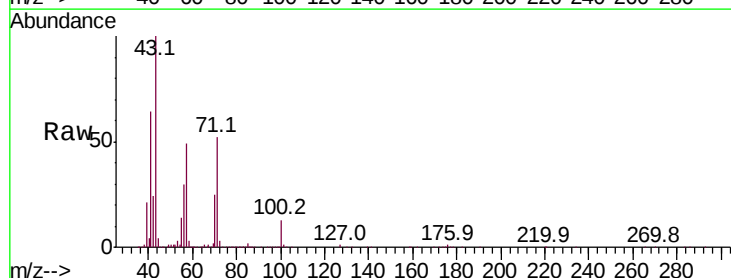
Acq: 9 Sep 2021 13:24

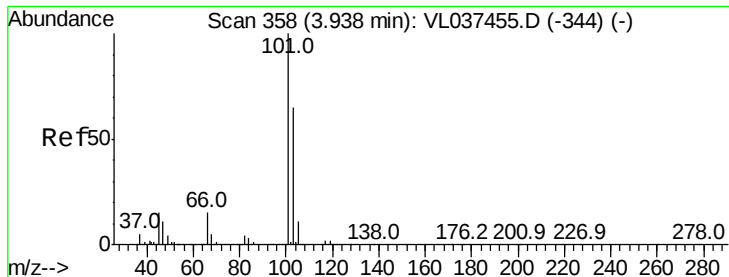
Tgt Ion: 43 Resp: 2669224

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6

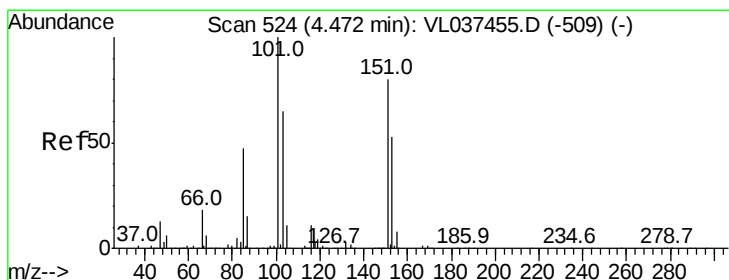
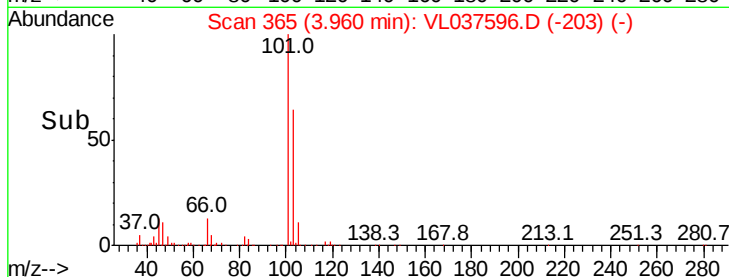
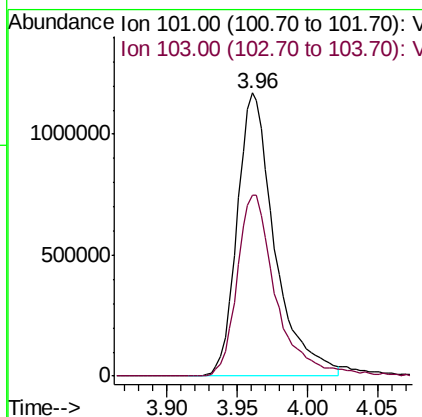
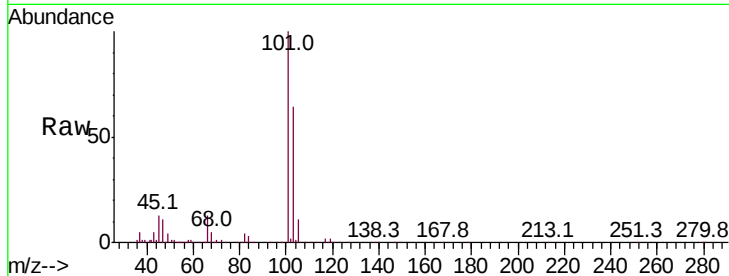




#11
 Trichlorofluoromethane
 Concen: 9.742 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

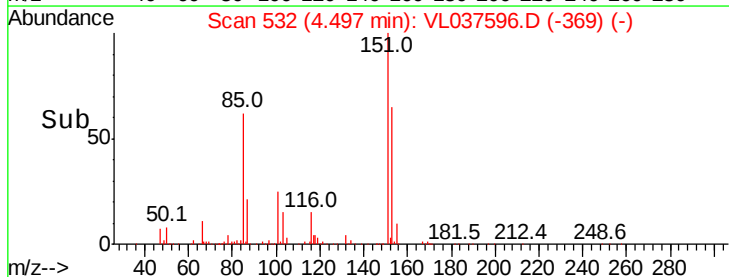
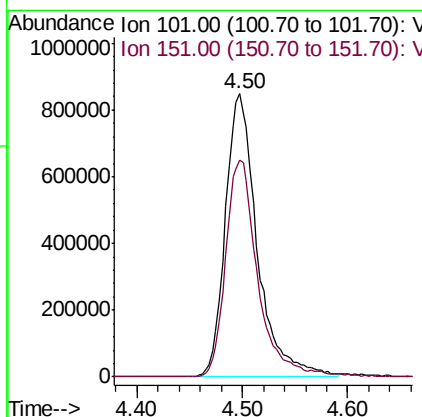
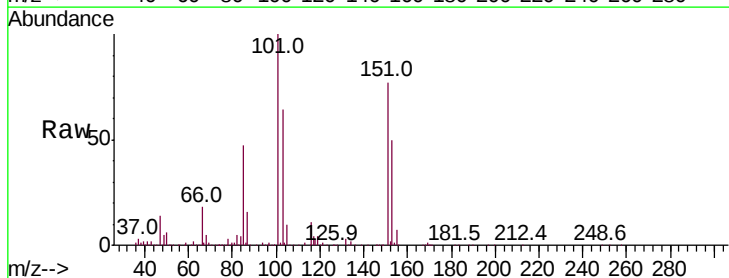
Instrument :
 MSVOA_L
 ClientSampled :

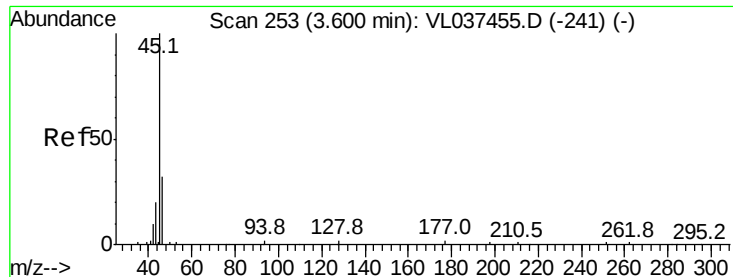
Tot Ion:101 Resp: 2186481
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.792 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion:101 Resp: 1777240
 Ion Ratio Lower Upper
 101 100
 151 77.7 63.7 95.5

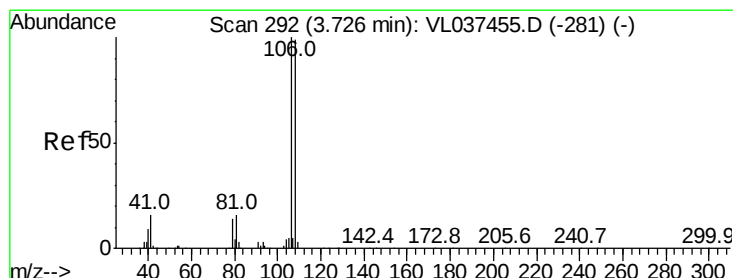
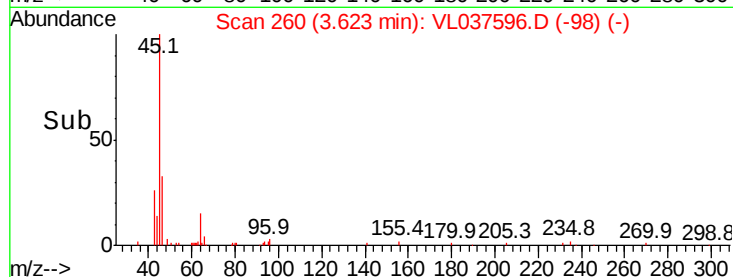
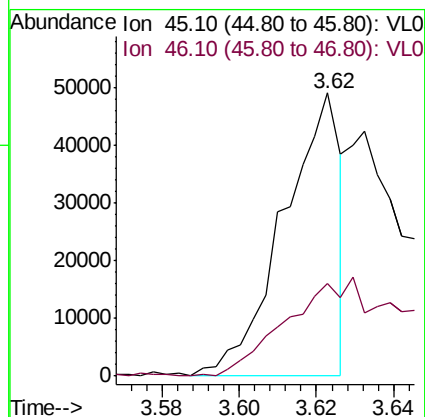
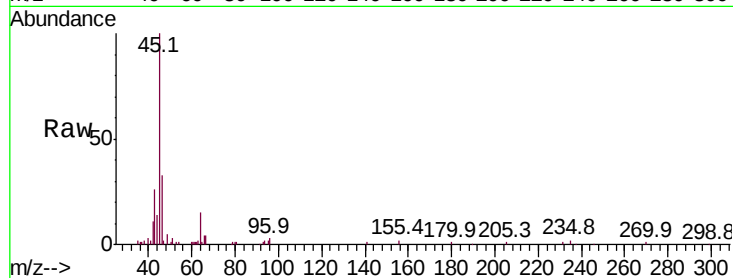




#13
Ethanol
Concen: 5.049 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

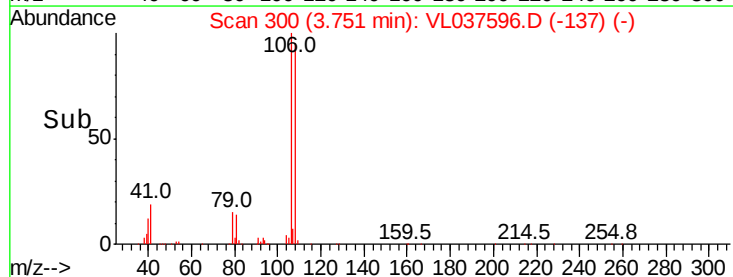
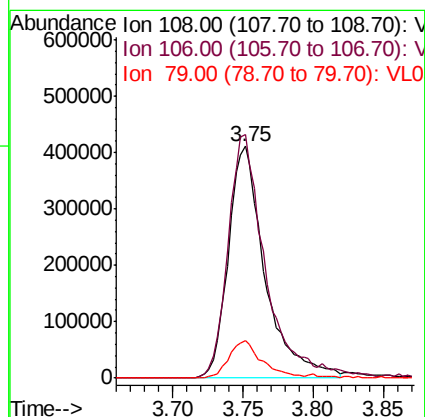
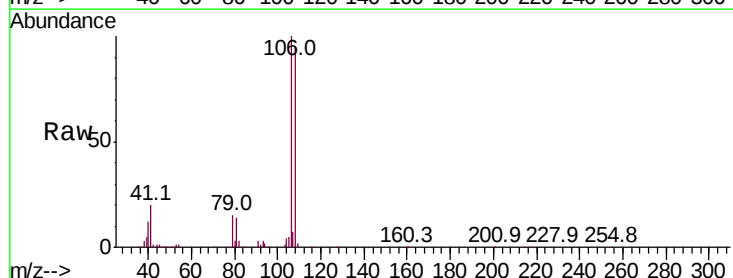
Instrument :
MSVOA_L
ClientSampleId :

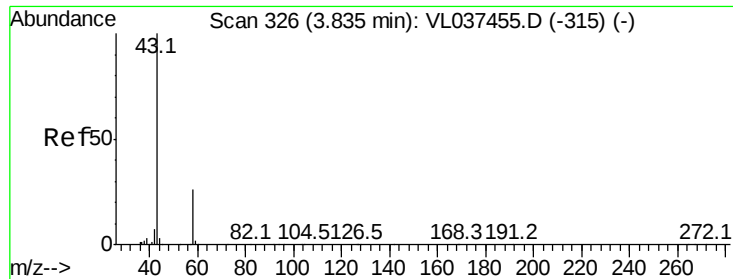
Tot Ion: 45 Resp: 50159
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#



#14
Bromoethene
Concen: 10.023 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 108 Resp: 749402
Ion Ratio Lower Upper
108 100
106 109.2 85.8 128.8
79 16.1 12.6 18.8

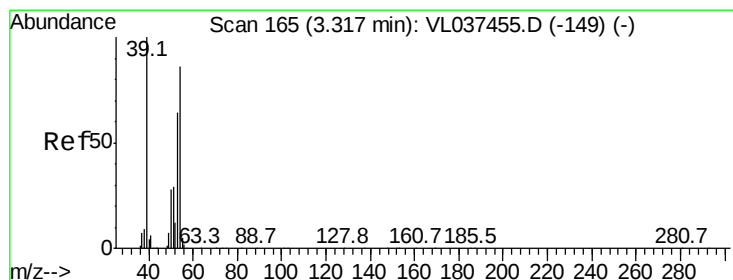
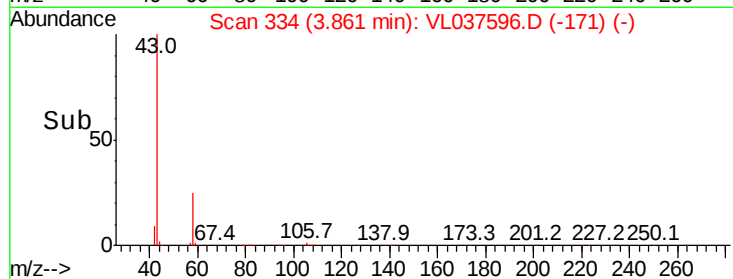
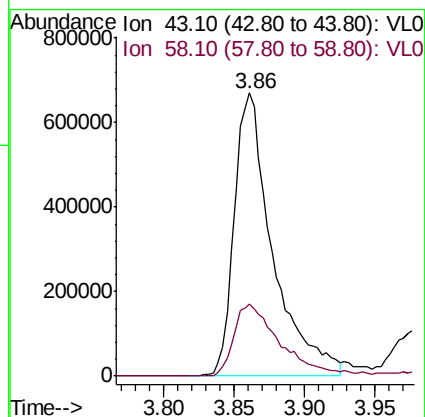
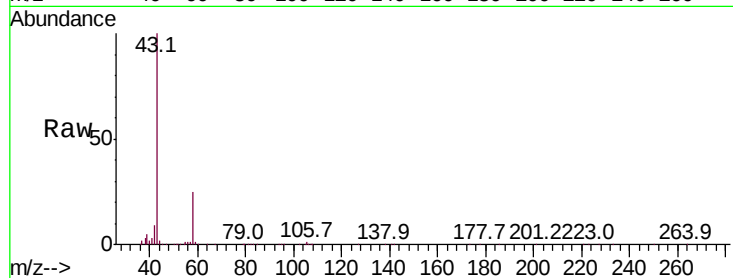




#15
Acetone
Concen: 8.432 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

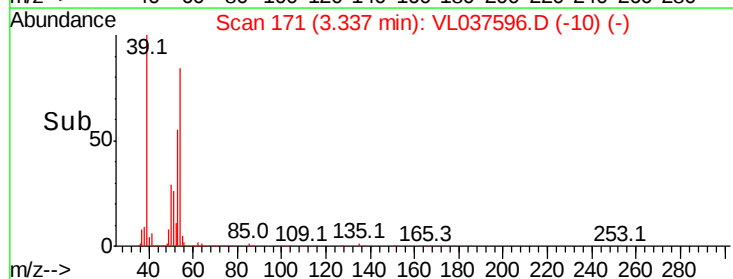
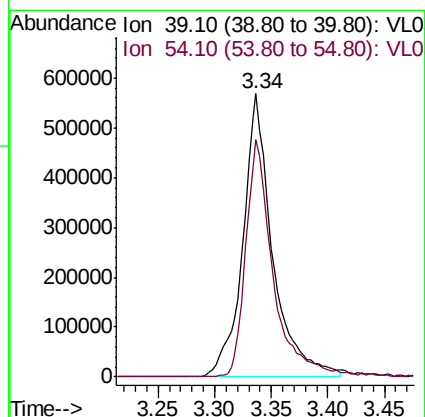
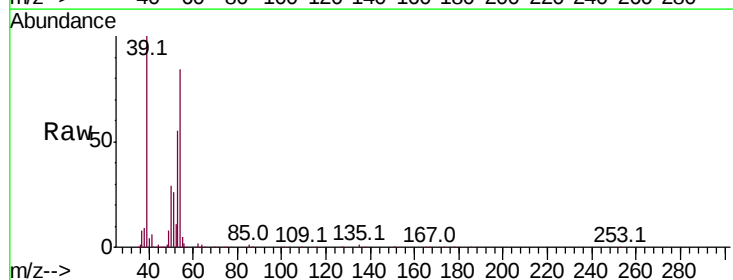
Instrument :
MSVOA_L
ClientSampleId :

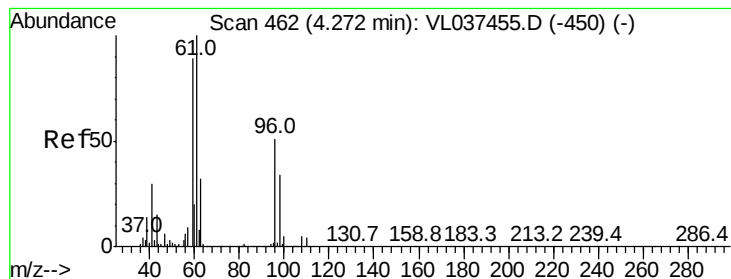
Tot Ion: 43 Resp: 1278748
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2



#16
1,3-Butadiene
Concen: 10.734 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 39 Resp: 1044205
Ion Ratio Lower Upper
39 100
54 77.8 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.418 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

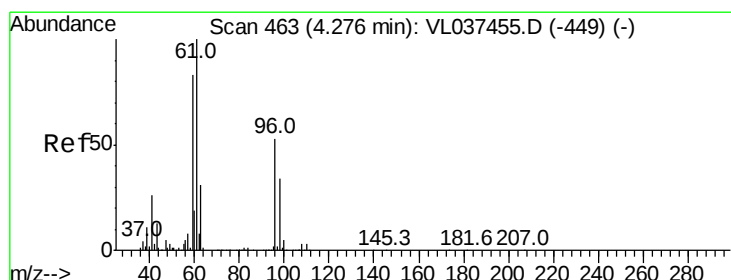
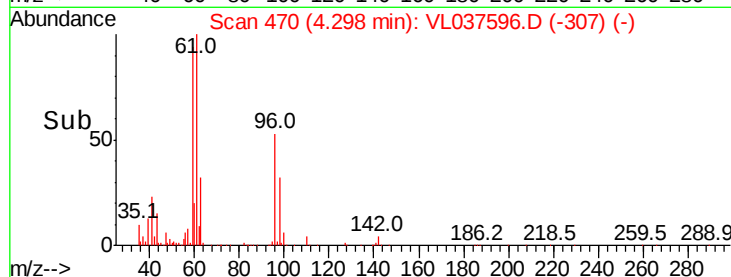
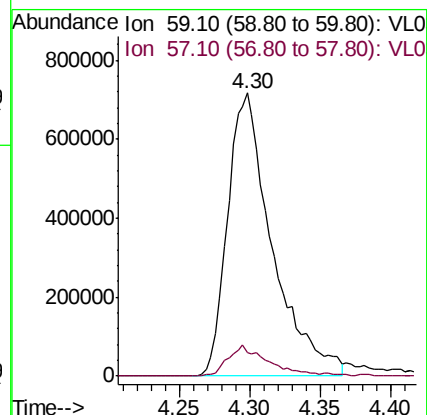
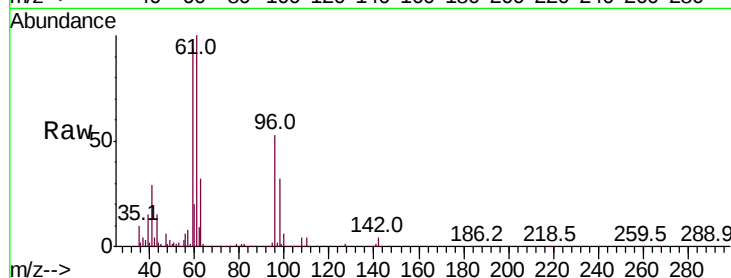
ClientSampleId :

Tot Ion: 59 Resp: 1581737

Ion Ratio Lower Upper

59 100

57 10.5 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.510 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

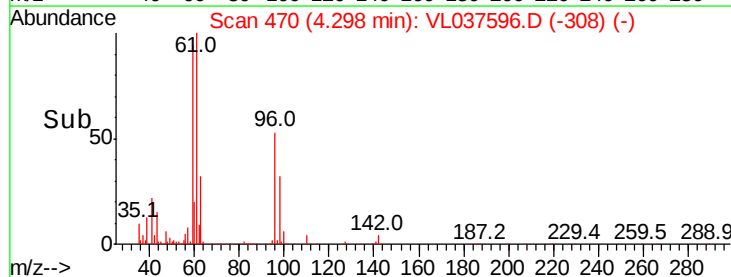
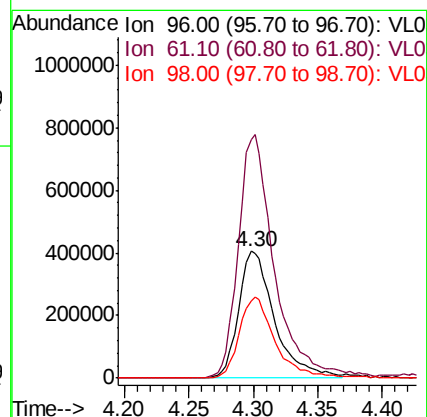
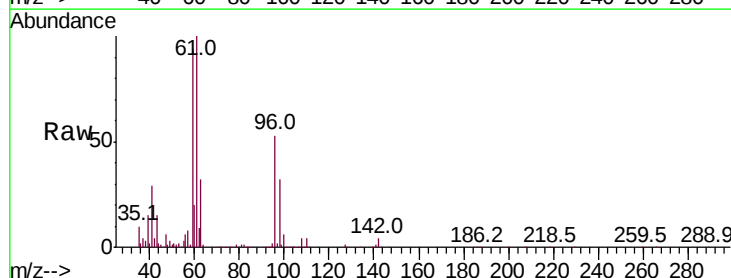
Tgt Ion: 96 Resp: 786258

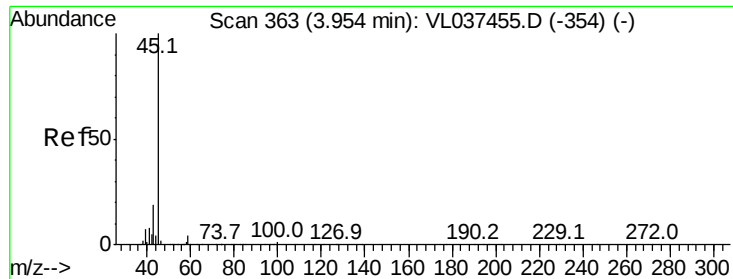
Ion Ratio Lower Upper

96 100

61 188.4 151.1 226.7

98 60.4 51.8 77.8



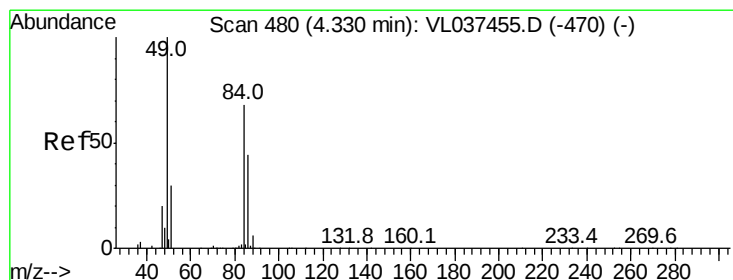
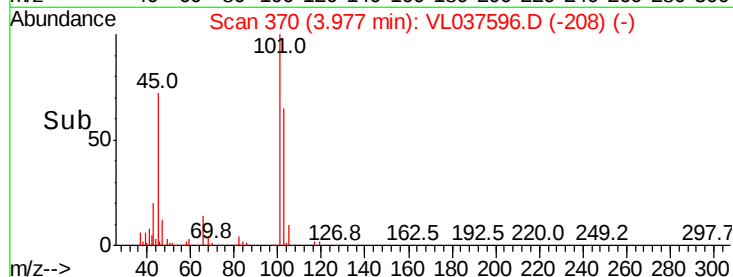
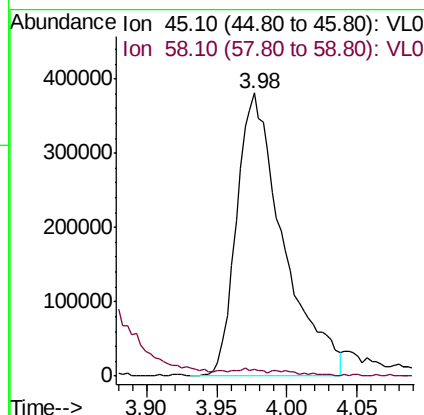
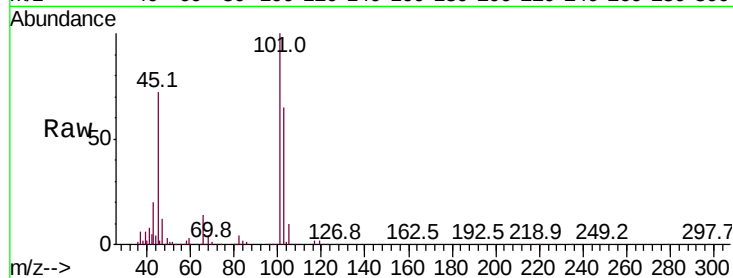


#19

Isopropyl Alcohol
 Concen: 10.089 ppbv
 RT: 3.98 min Scan# 370
 Delta R.T. 0.02 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :

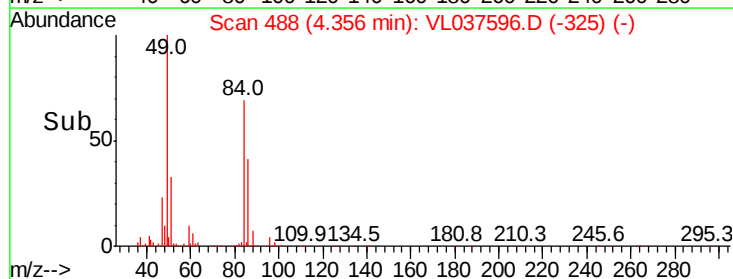
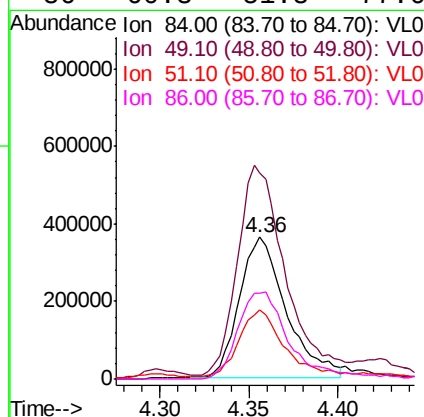
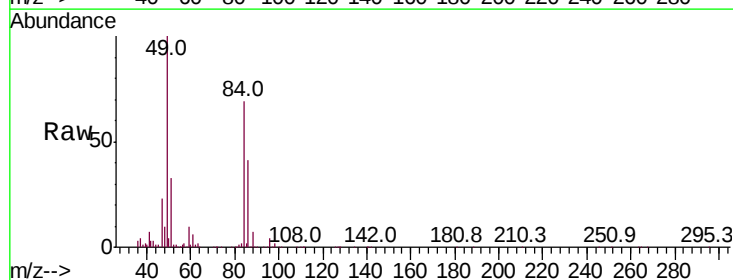
Tot Ion: 45 Resp: 876552
 Ion Ratio Lower Upper
 45 100
 58 2.9 1.4 2.2#

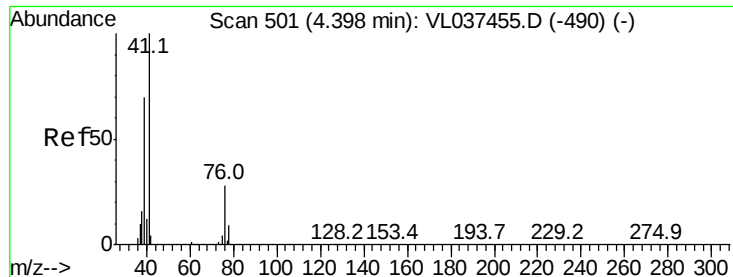


#20

Methylene Chloride
 Concen: 8.820 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 84 Resp: 669683
 Ion Ratio Lower Upper
 84 100
 49 143.8 118.2 177.2
 51 46.9 36.6 55.0
 86 60.3 51.8 77.6

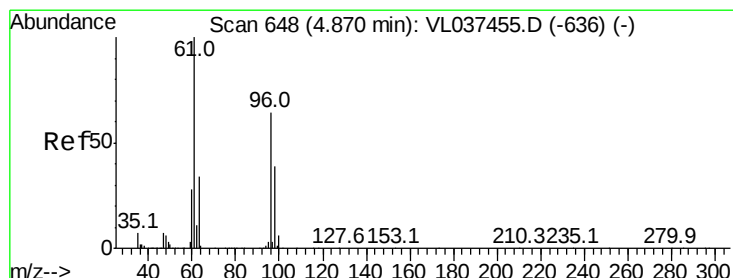
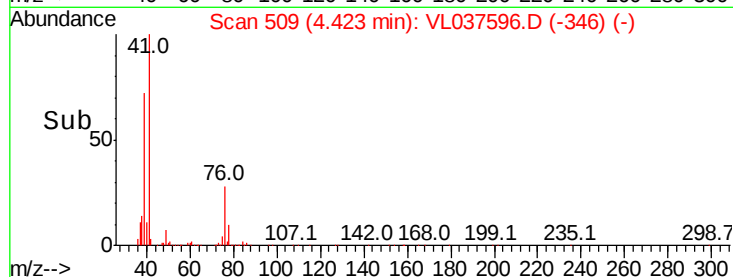
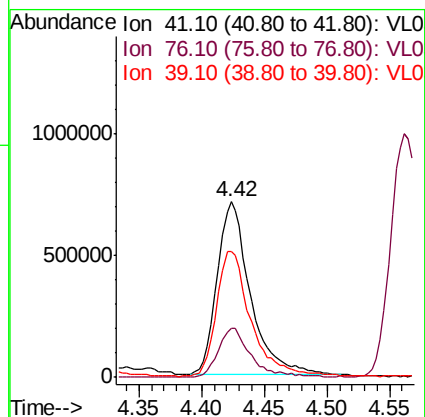
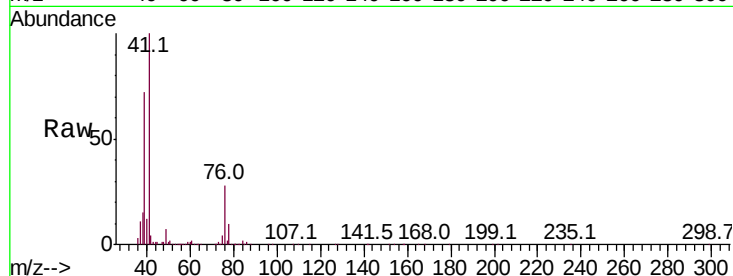




#21
Allvl Chloride
Concen: 10.547 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

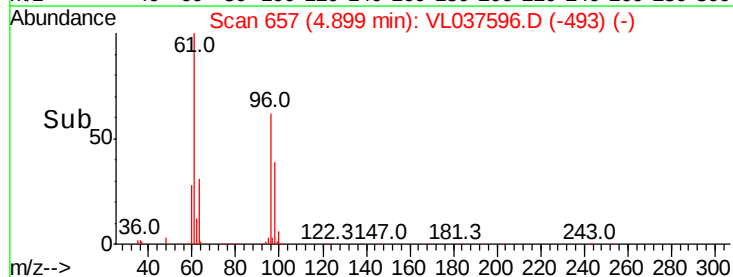
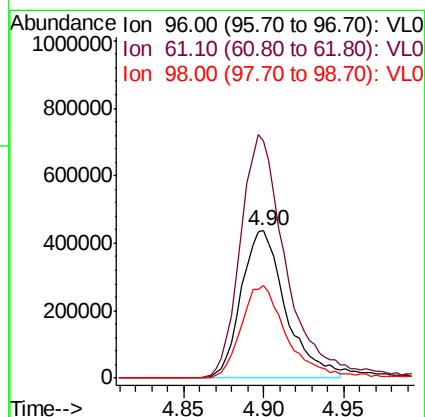
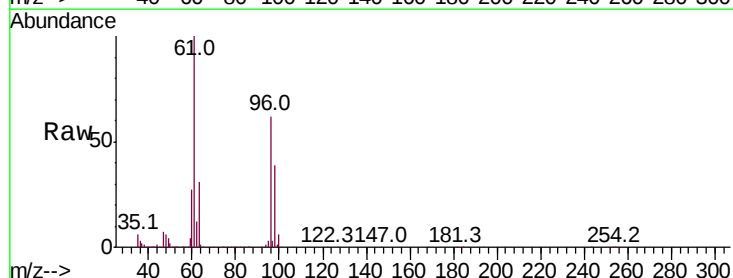
Instrument :
MSVOA_L
ClientSampleId :

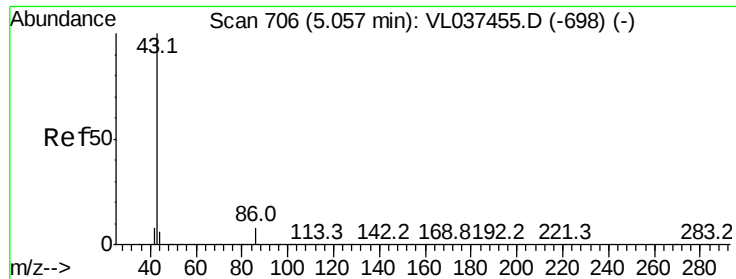
Tot Ion: 41 Resp: 1299070
Ion Ratio Lower Upper
41 100
76 28.5 21.8 32.6
39 76.1 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 11.159 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 96 Resp: 832863
Ion Ratio Lower Upper
96 100
61 160.5 125.5 188.3
98 62.8 49.0 73.4





#23

Vinyl Acetate

Concen: 9.654 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.03 min

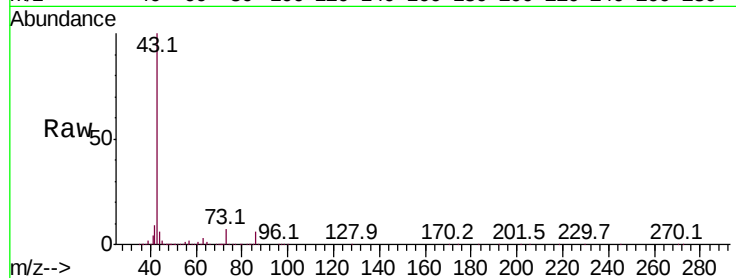
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

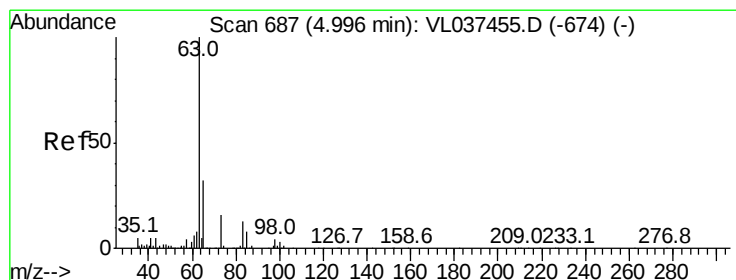
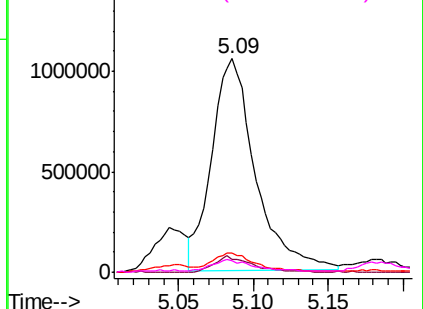
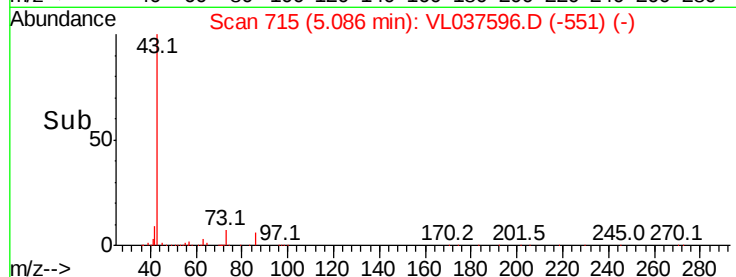
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2158081

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.7	8.5
42	8.5	7.4	11.2
44	5.0	4.3	6.5



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: 10.217 ppbv

RT: 5.02 min Scan# 696

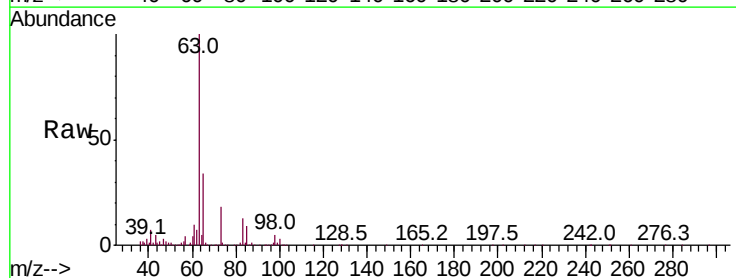
Delta R.T. 0.03 min

Lab File: VL037596.D

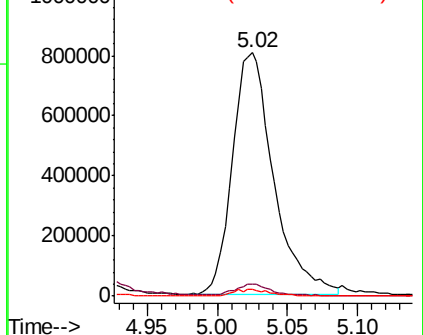
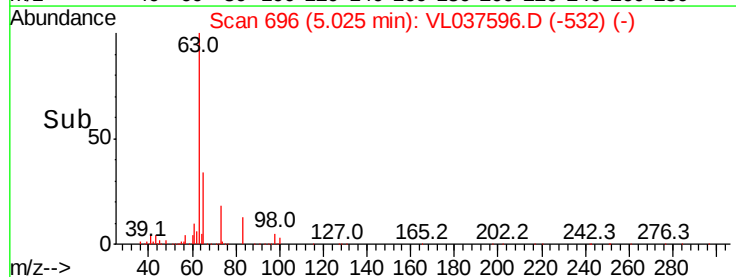
Acq: 9 Sep 2021 13:24

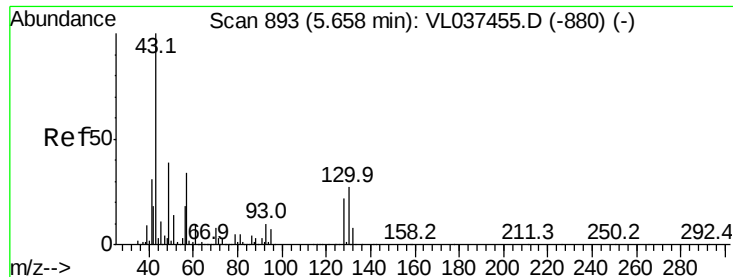
Tgt Ion: 63 Resp: 1656409

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.3
100	2.8	1.6	4.7



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



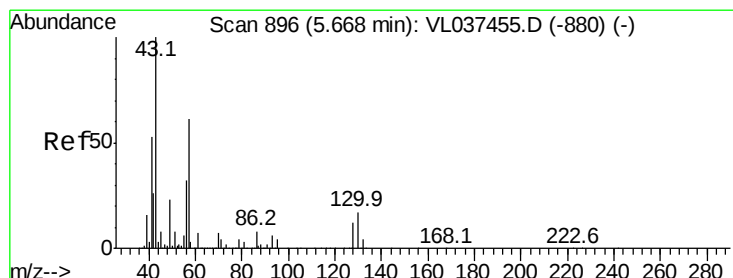
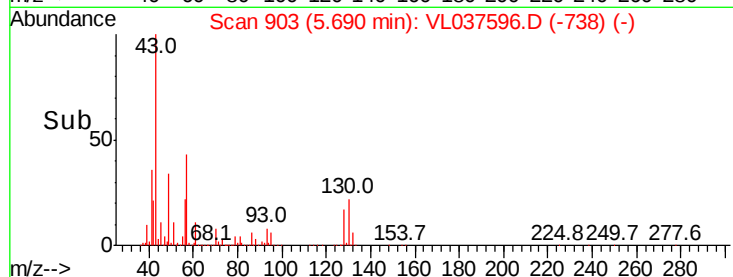
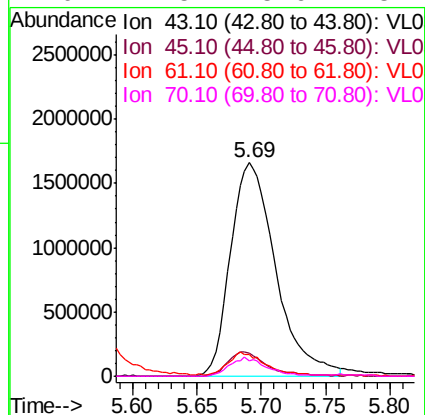
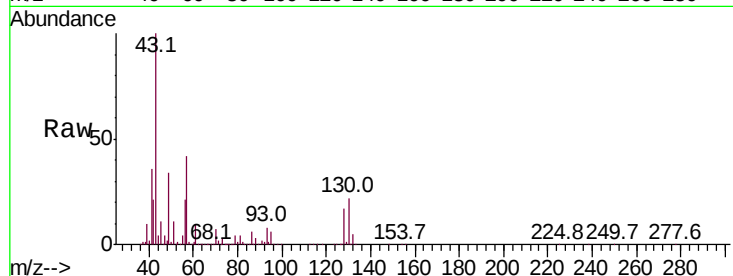


#25
Ethyl Acetate
Concen: 10.484 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4036274

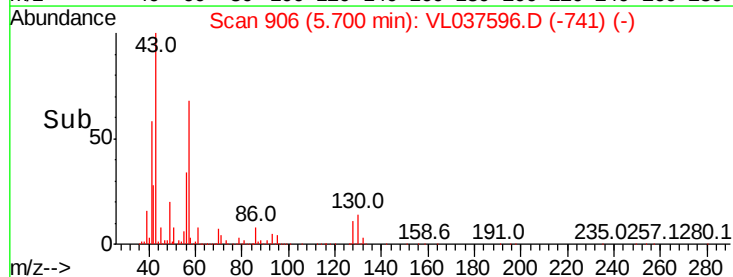
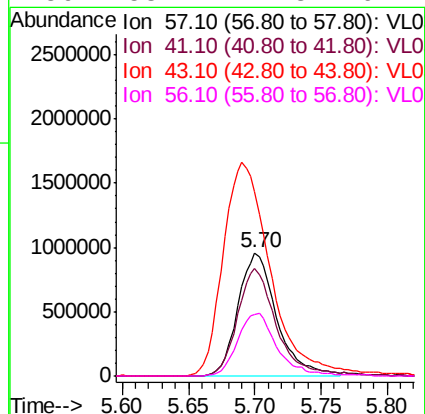
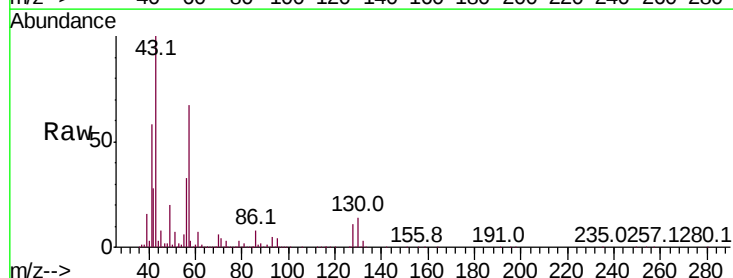
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	10.2	8.0	12.0
70	7.5	5.6	8.4

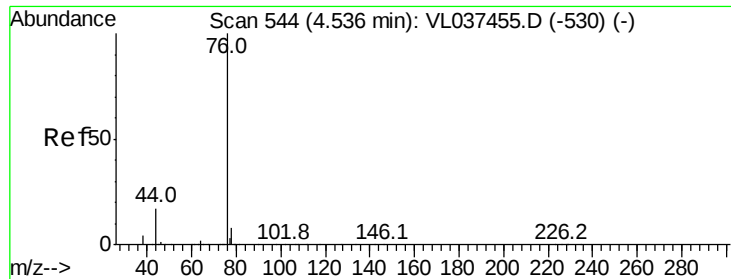


#26
Hexane
Concen: 10.321 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 57 Resp: 1942763

Ion	Ratio	Lower	Upper
57	100		
41	89.1	72.3	108.5
43	214.4	172.3	258.5
56	53.1	42.8	64.2

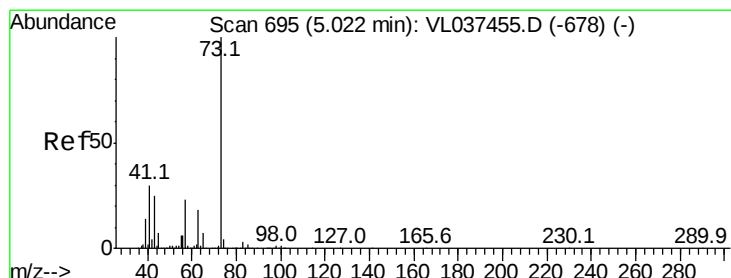
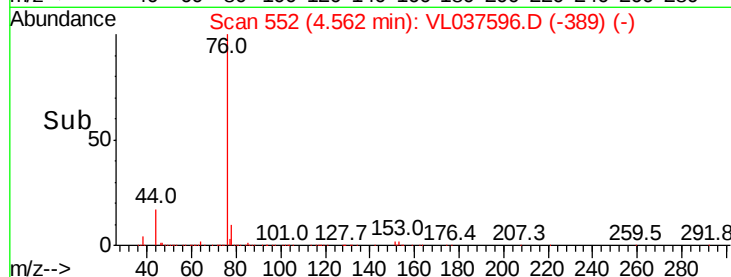
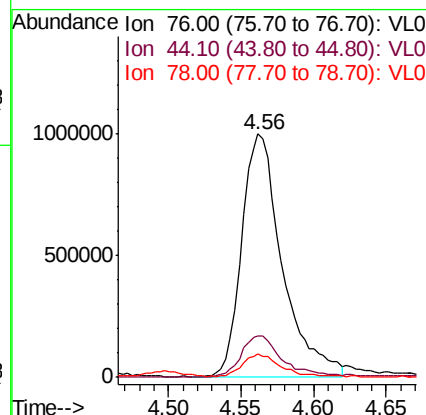
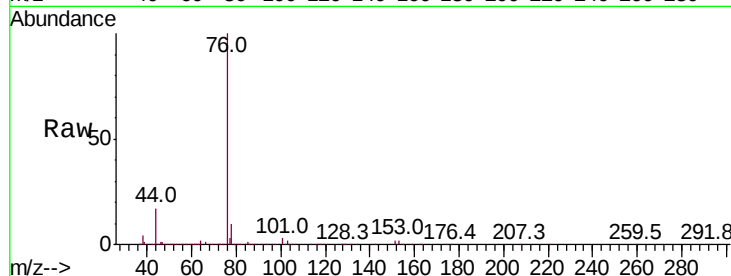




#27
Carbon Disulfide
Concen: 11.544 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

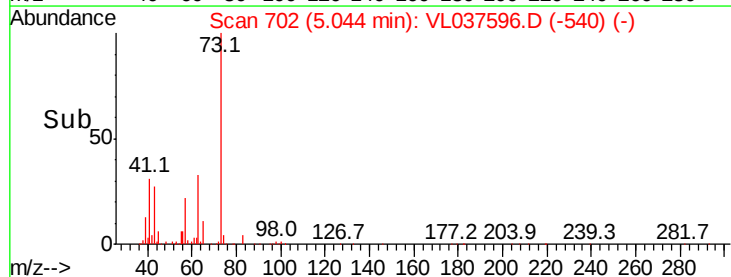
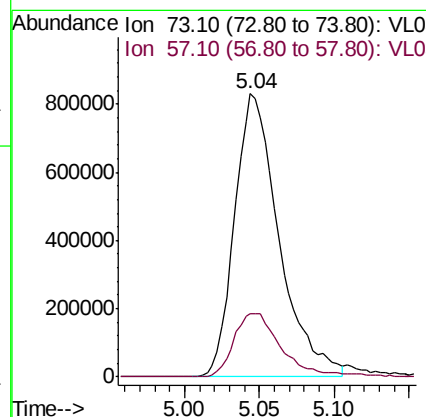
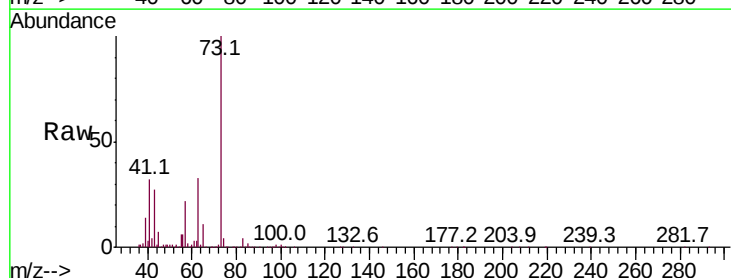
Instrument :
MSVOA_L
ClientSampled :

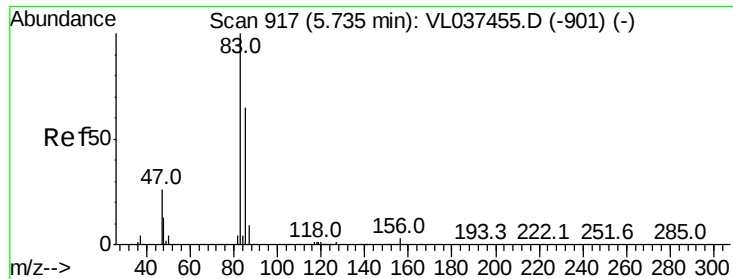
Tot Ion: 76 Resp: 1936517
Ion Ratio Lower Upper
76 100
44 17.6 13.9 20.9
78 9.9 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 9.510 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.02 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 73 Resp: 1719219
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.2

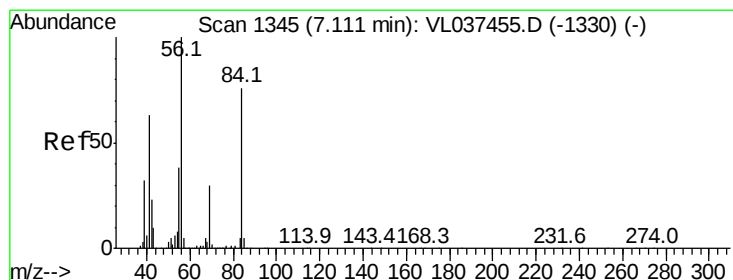
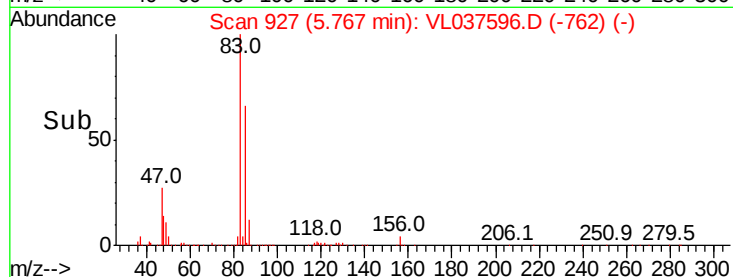
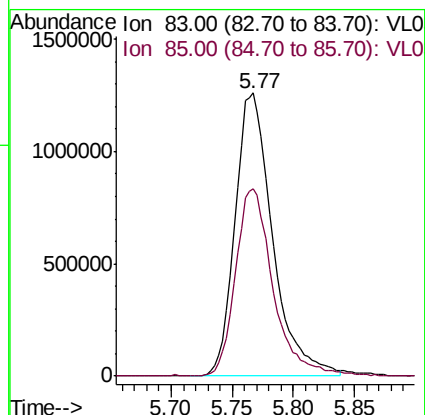
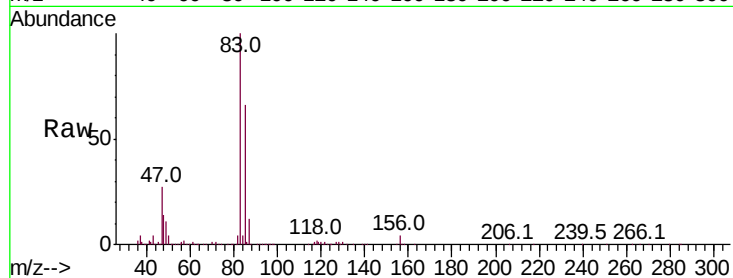




#29
Chloroform
Concen: 10.086 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

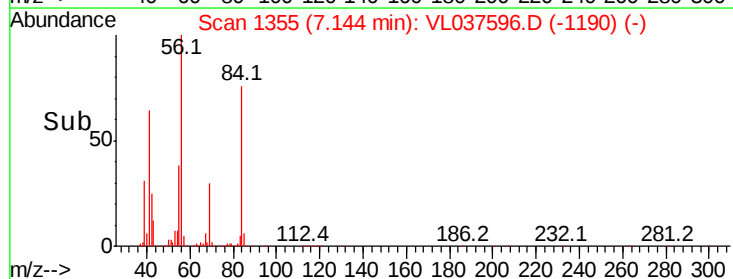
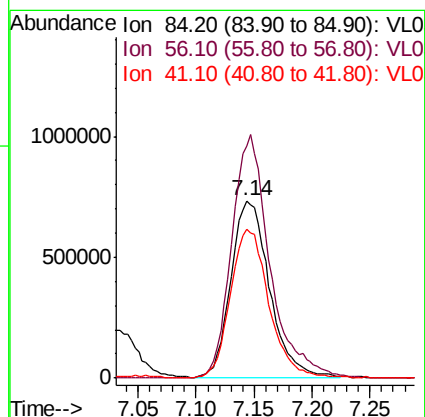
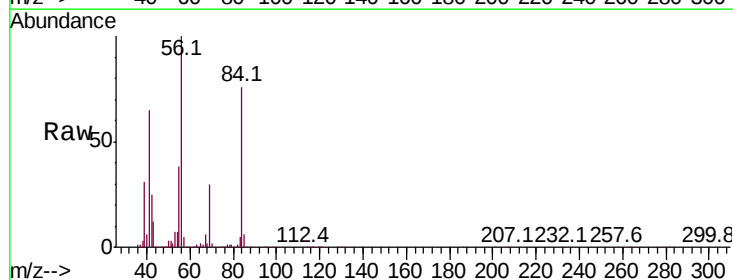
Instrument :
MSVOA_L
ClientSampleId :

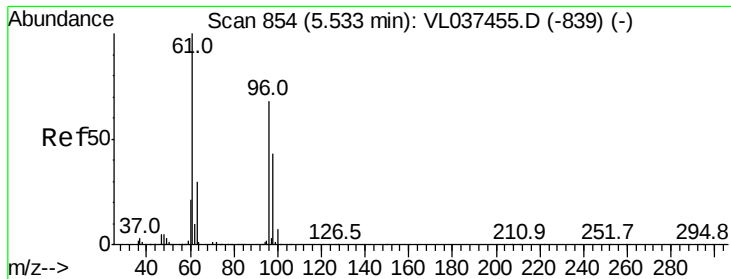
Tot Ion: 83 Resp: 2690498
Ion Ratio Lower Upper
83 100
85 66.1 52.3 78.5



#30
Cyclohexane
Concen: 10.692 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 84 Resp: 1676961
Ion Ratio Lower Upper
84 100
56 137.7 110.6 165.8
41 85.5 67.0 100.6



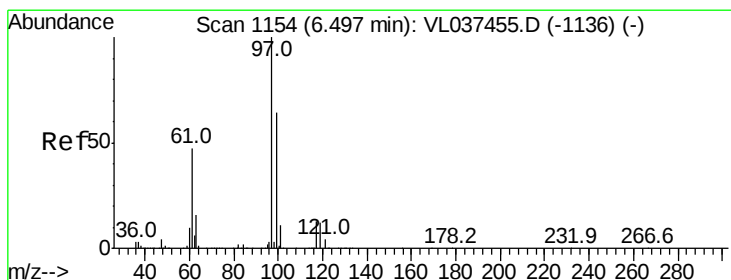
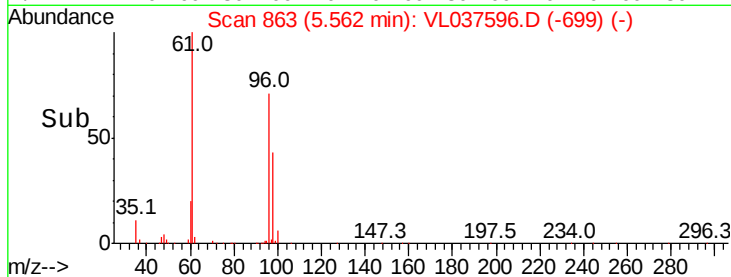
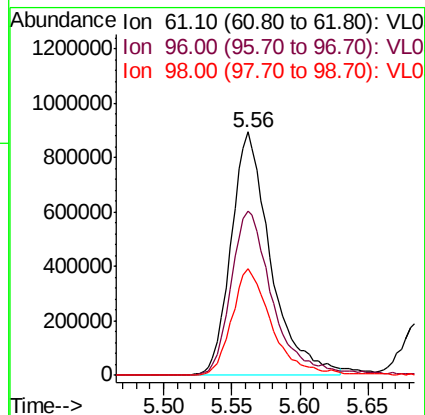
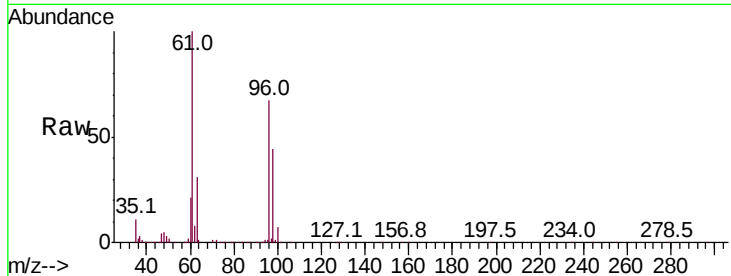


#31

cis-1,2-Dichloroethene
Concen: 10.545 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampled :

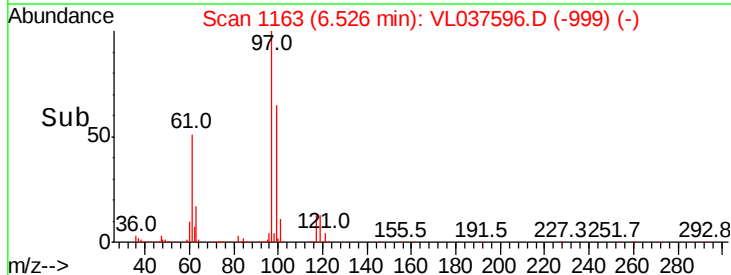
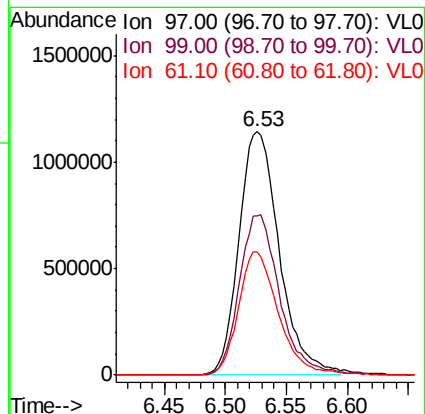
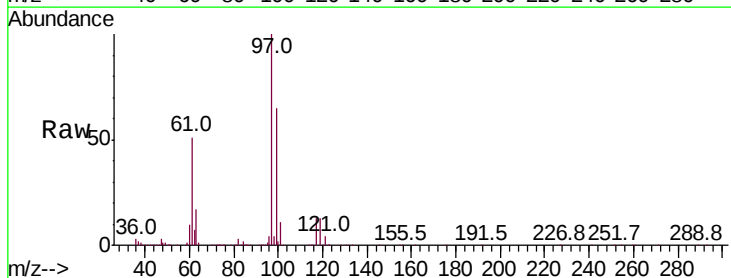
Tot Ion: 61 Resp: 1796493
Ion Ratio Lower Upper
61 100
96 67.4 54.8 82.2
98 43.6 34.2 51.2

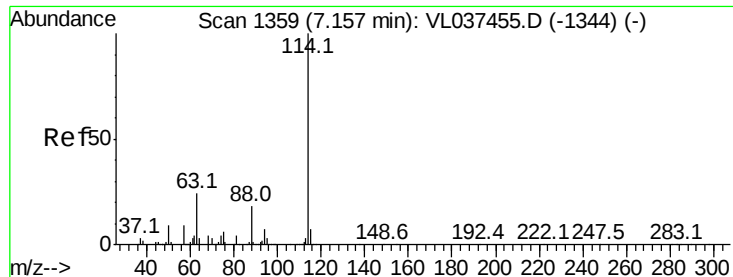


#32

1,1,1-Trichloroethane
Concen: 9.996 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 97 Resp: 2619856
Ion Ratio Lower Upper
97 100
99 66.0 51.8 77.6
61 50.3 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.04 min

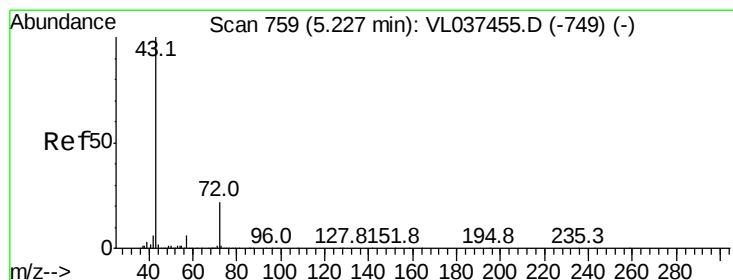
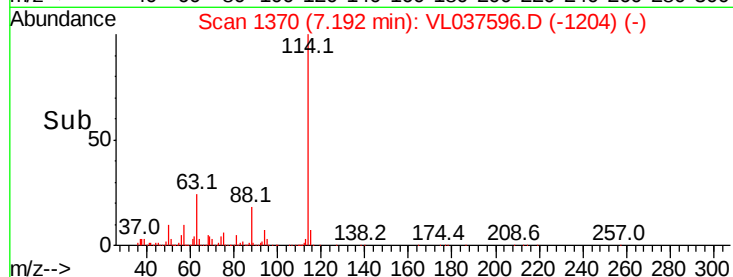
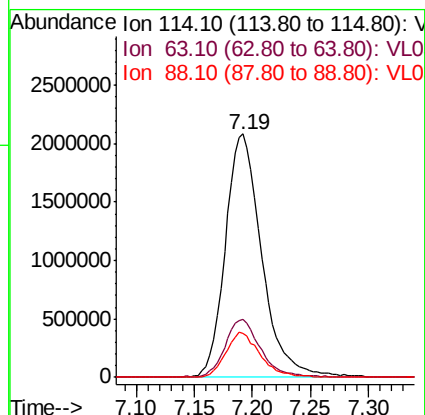
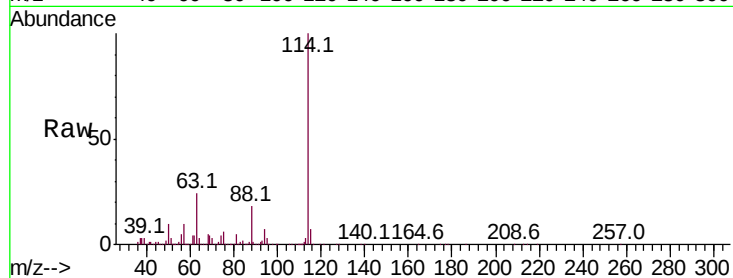
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4511197

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.3	28.9
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 7.754 ppbv

RT: 5.26 min Scan# 768

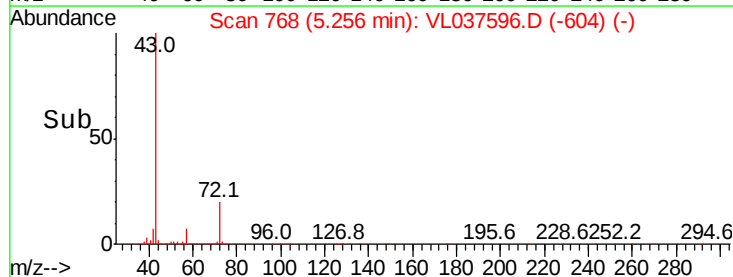
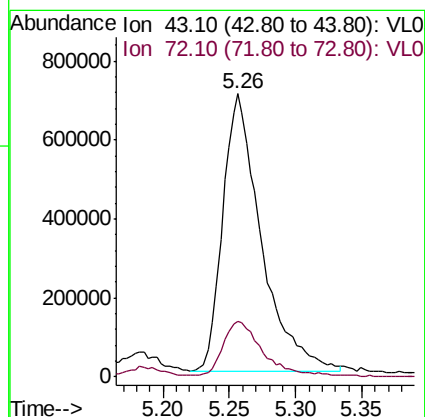
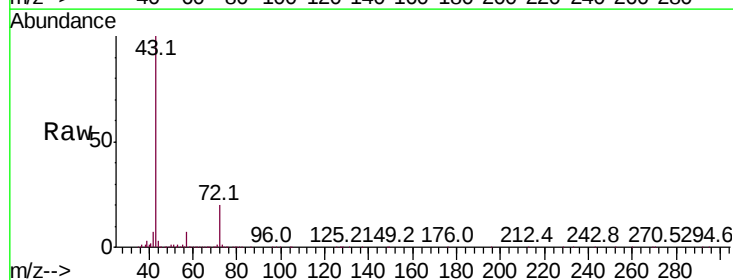
Delta R.T. 0.03 min

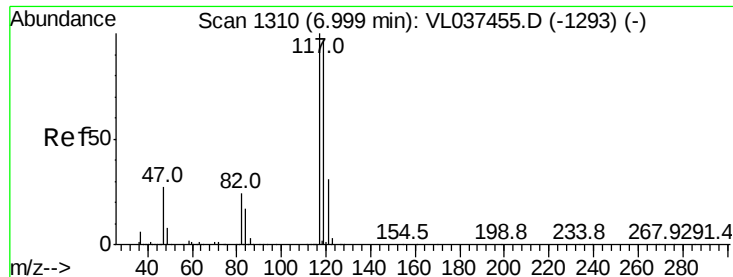
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion: 43 Resp: 1428480

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.0





#35

Carbon Tetrachloride

Concen: 10.191 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

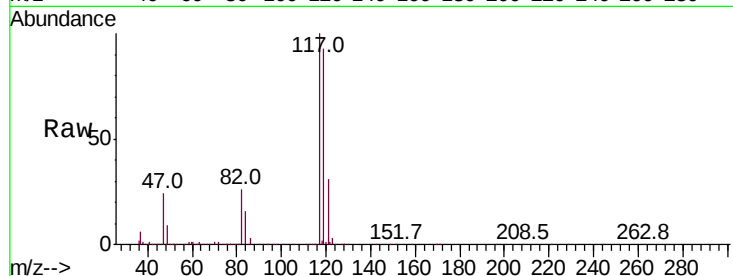
Tot Ion:117 Resp: 2717094

Ion Ratio Lower Upper

117 100

119 92.8 77.3 115.9

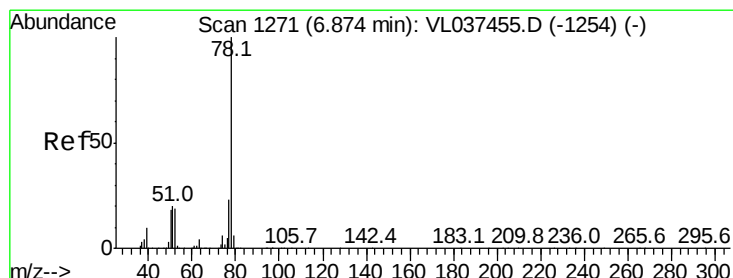
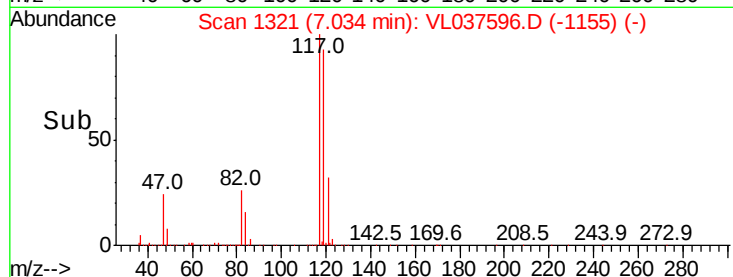
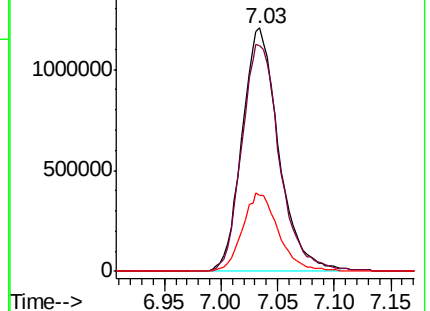
121 31.4 25.2 37.8



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: 10.712 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

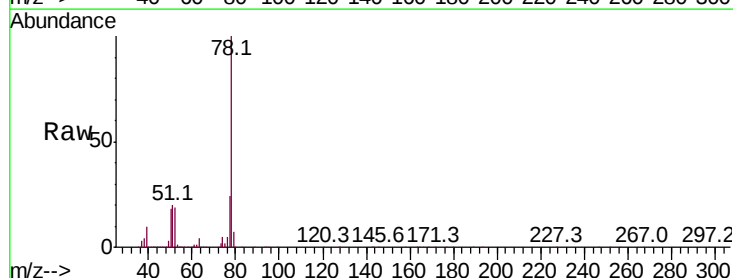
Tgt Ion: 78 Resp: 4062473

Ion Ratio Lower Upper

78 100

77 24.4 18.2 27.4

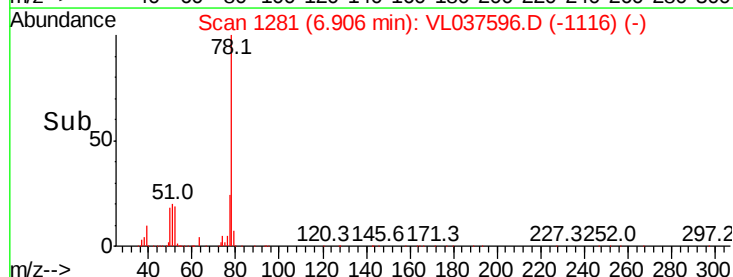
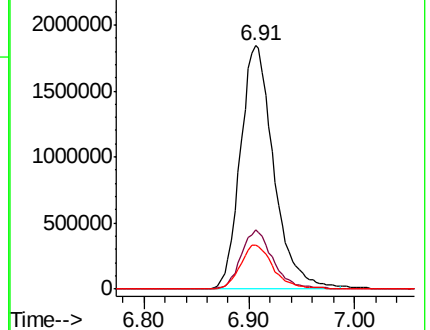
50 18.1 14.6 21.8

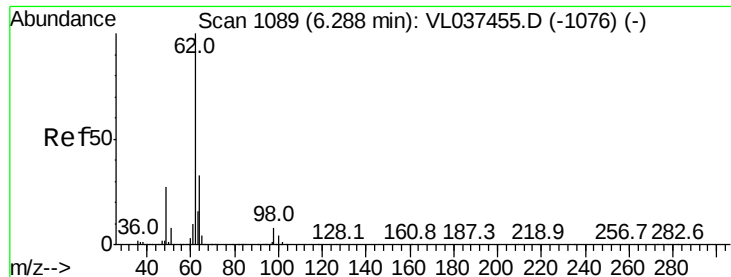


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

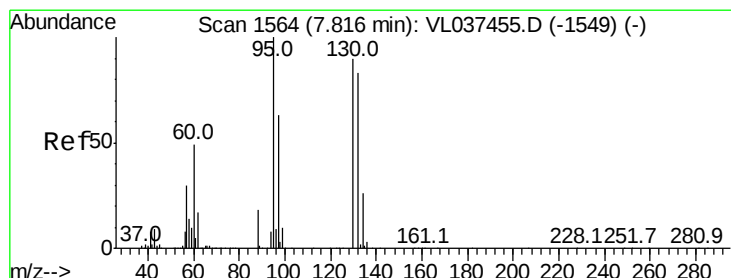
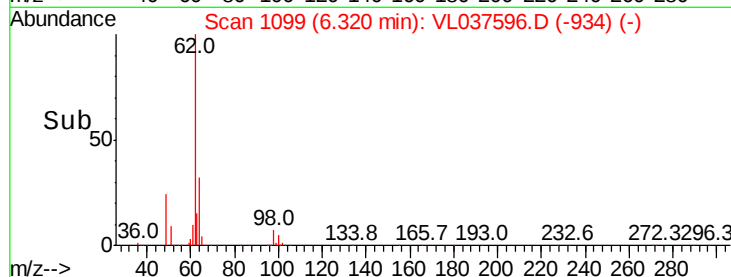
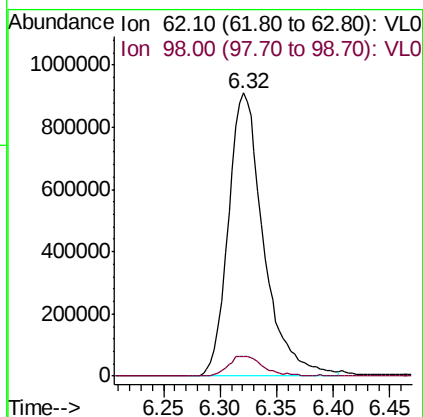
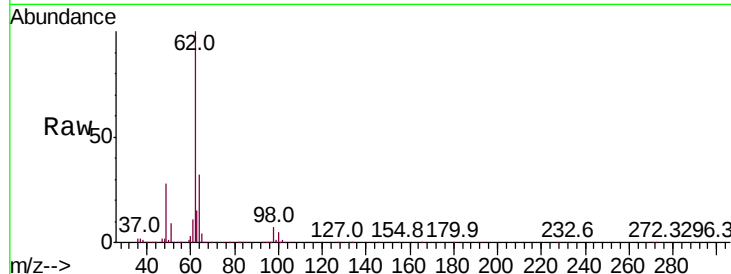




#37
1,2-Dichloroethane
Concen: 10.495 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

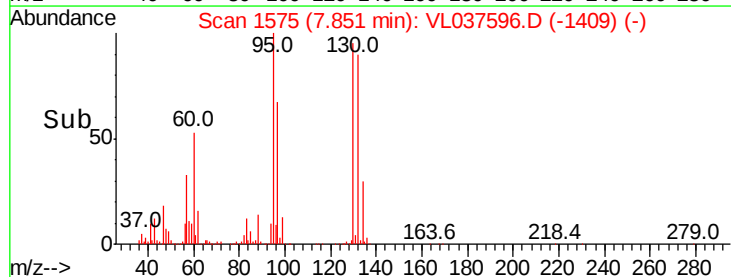
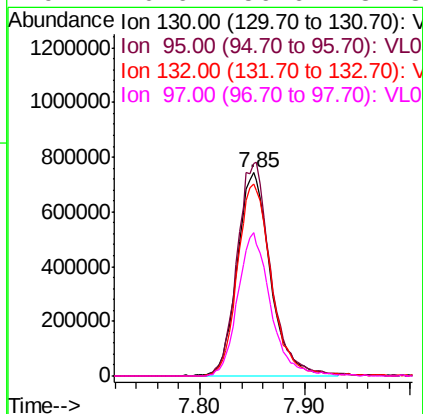
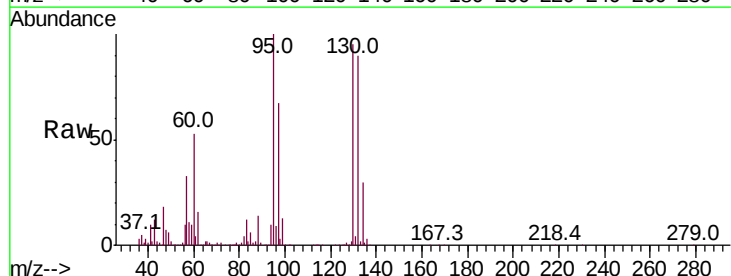
Instrument :
MSVOA_L
ClientSampled :

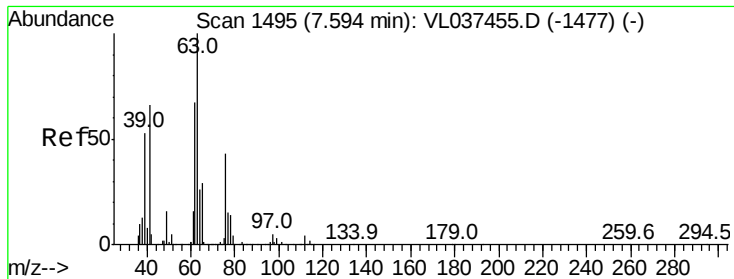
Tot Ion: 62 Resp: 1971528
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0



#38
Trichloroethene
Concen: 10.401 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion:130 Resp: 1618296
Ion Ratio Lower Upper
130 100
95 105.0 89.2 133.8
132 94.5 74.0 111.0
97 70.6 56.6 84.8





#39

1,2-Dichloropropane

Concen: 10.543 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

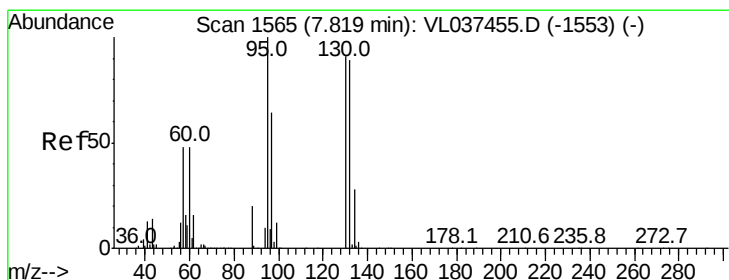
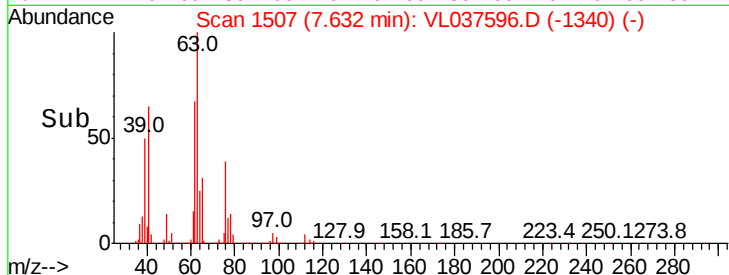
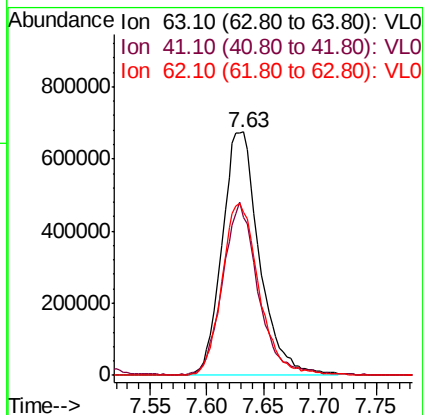
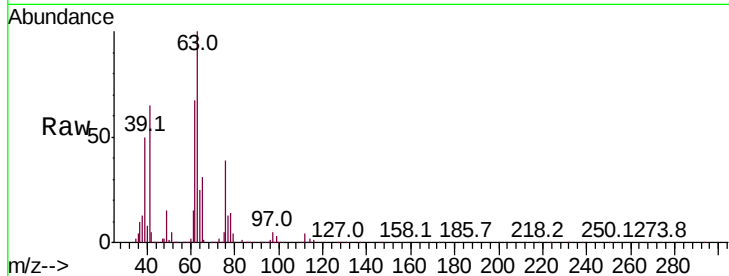
Tot Ion: 63 Resp: 1536394

Ion Ratio Lower Upper

63 100

41 64.6 52.4 78.6

62 66.8 53.6 80.4



#40

1,4-Dioxane

Concen: 3.060 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion: 88 Resp: 109234

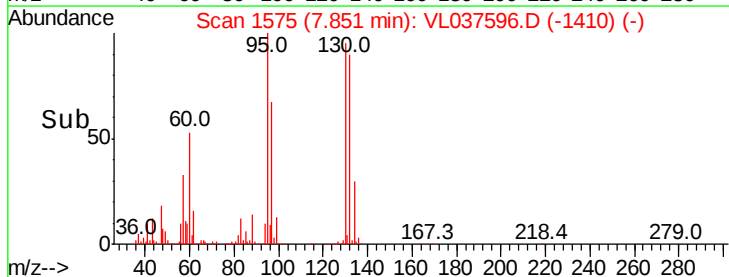
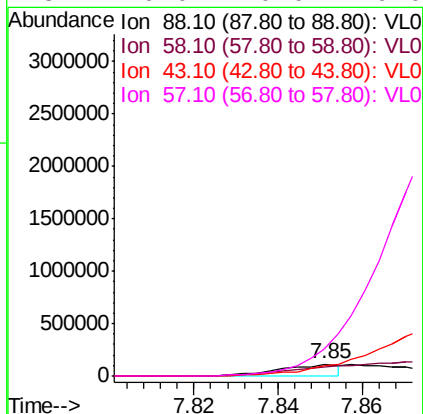
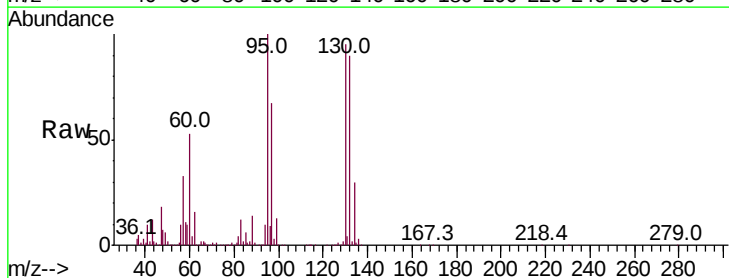
Ion Ratio Lower Upper

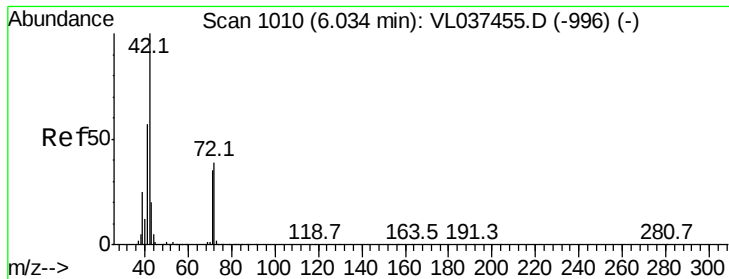
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

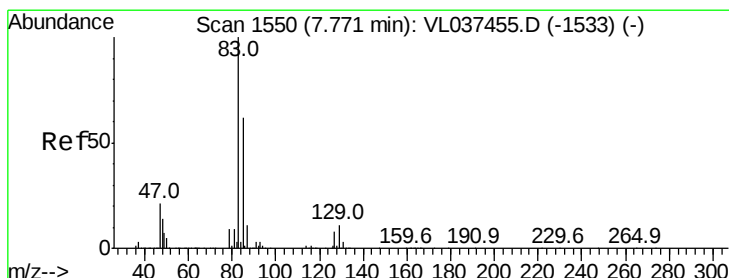
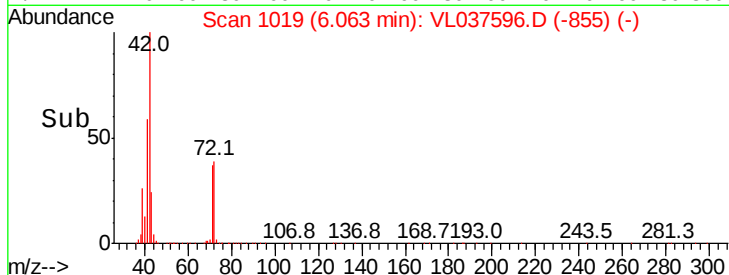
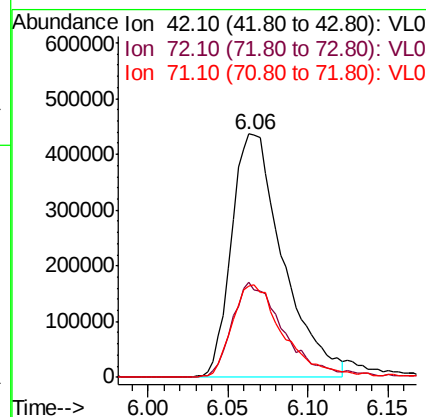
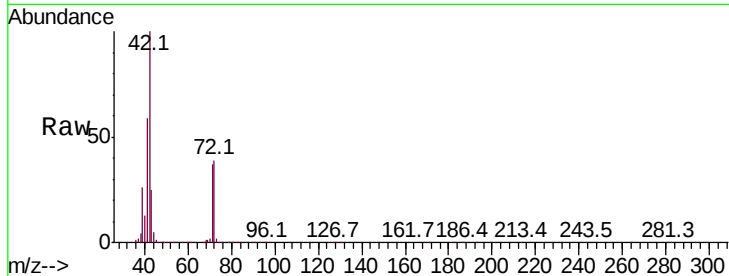




#41
Tetrahydrofuran
Concen: 10.782 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

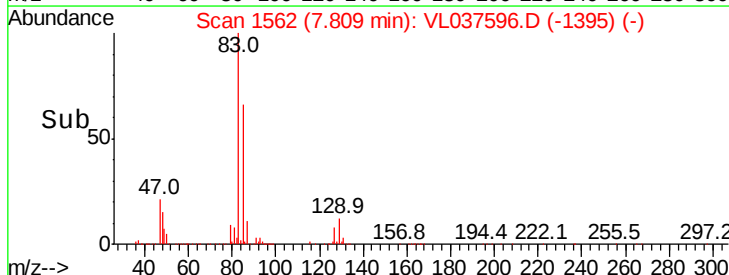
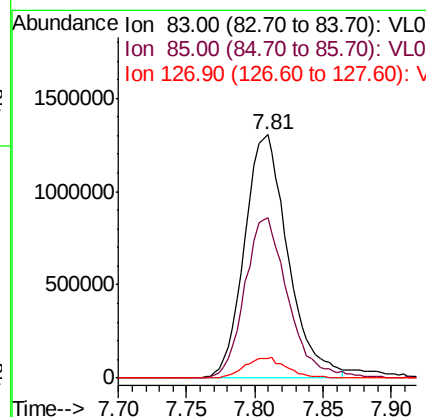
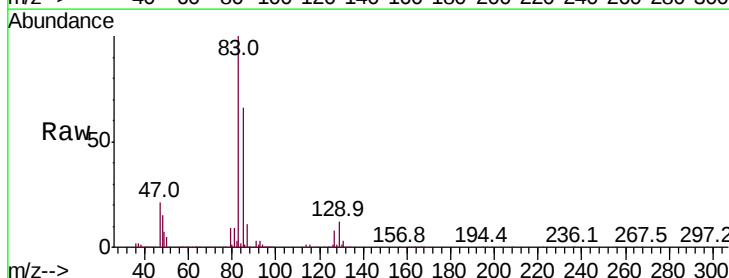
Instrument :
MSVOA_L
ClientSampled :

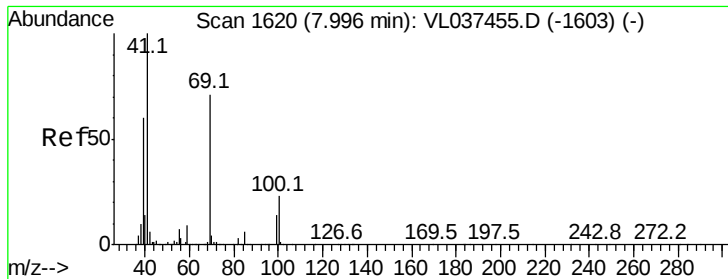
Tot Ion: 42 Resp: 956781
Ion Ratio Lower Upper
42 100
72 40.3 32.2 48.4
71 39.5 30.5 45.7



#42
Bromodichloromethane
Concen: 10.520 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 83 Resp: 2889664
Ion Ratio Lower Upper
83 100
85 65.9 49.5 74.3
127 8.2 6.3 9.5





#43

Methyl Methacrylate

Concen: 11.037 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.03 min

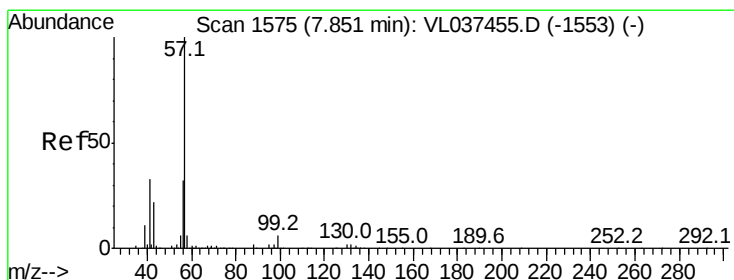
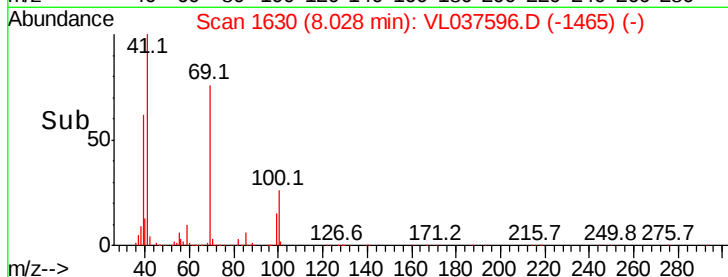
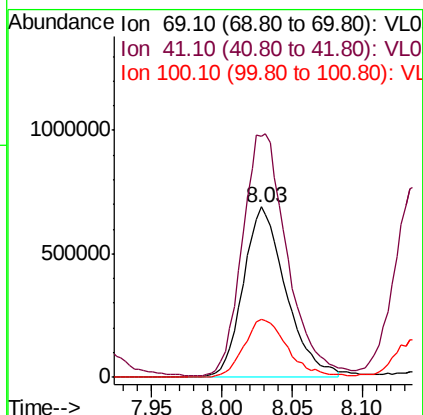
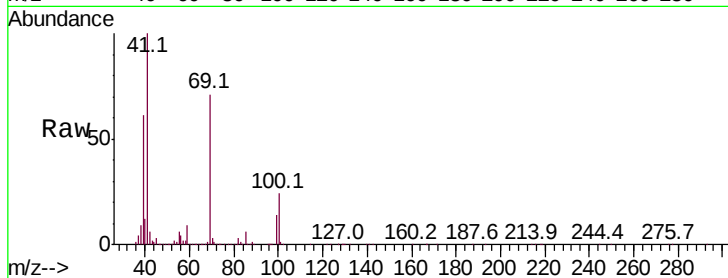
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1458815

Ion	Ratio	Lower	Upper
69	100		
41	151.2	118.6	178.0
100	35.3	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 10.525 ppbv

RT: 7.88 min Scan# 1585

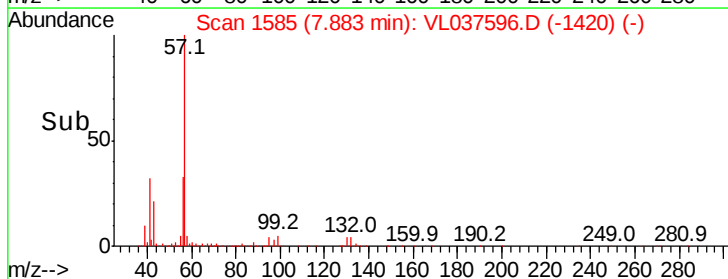
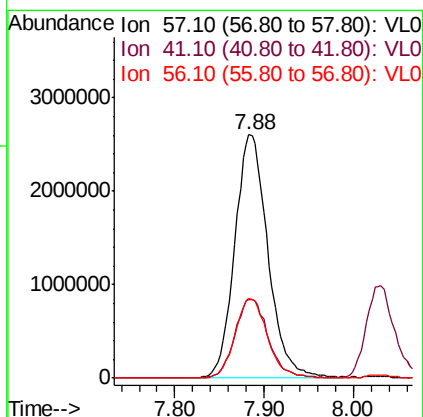
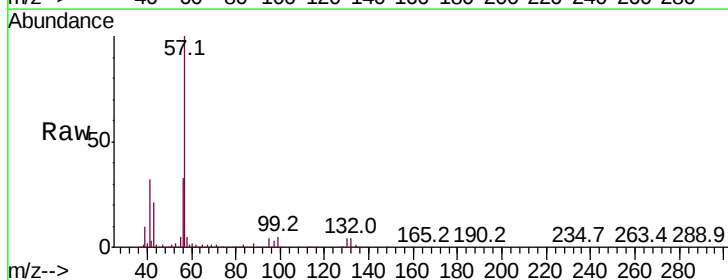
Delta R.T. 0.03 min

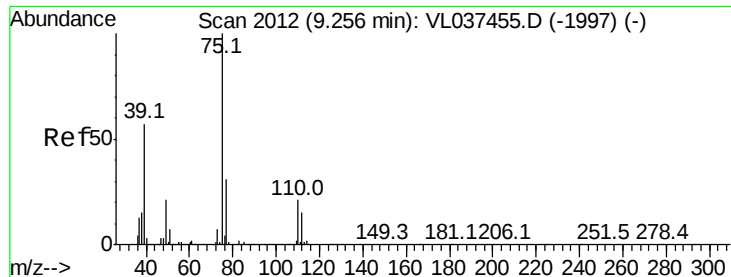
Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion: 57 Resp: 6717433

Ion	Ratio	Lower	Upper
57	100		
41	32.7	26.2	39.4
56	32.1	25.4	38.2

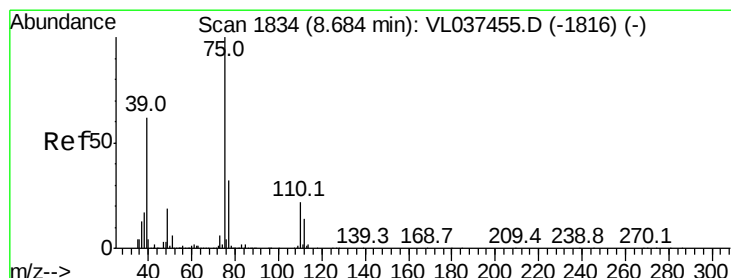
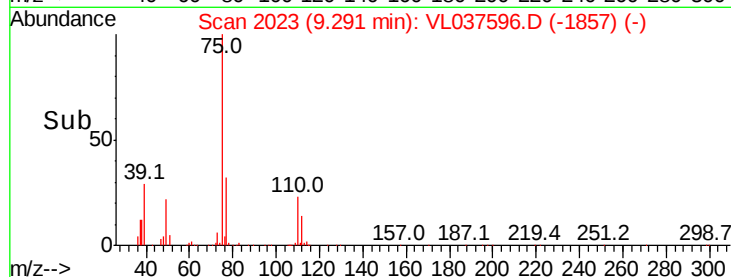
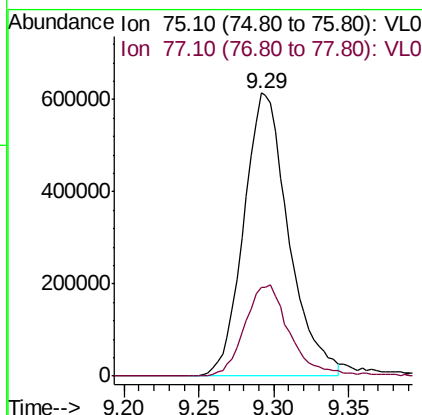
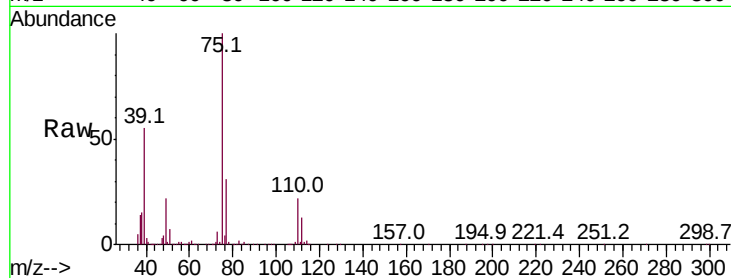




#45
 t-1,3-Dichloropropene
 Concen: 12.880 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

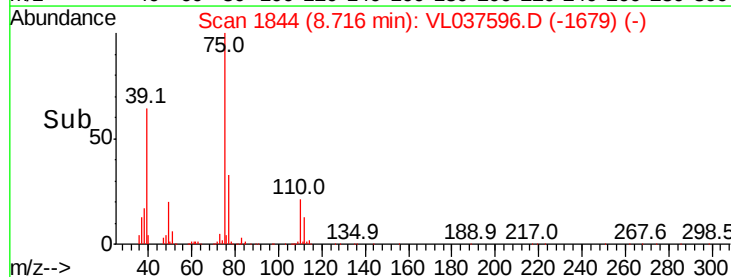
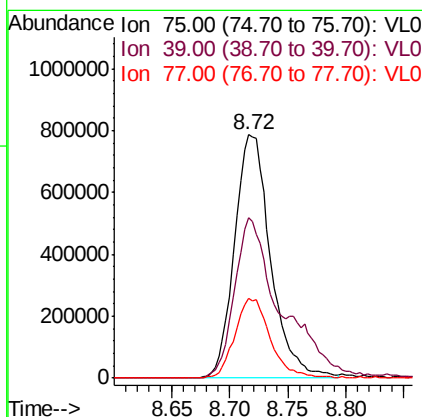
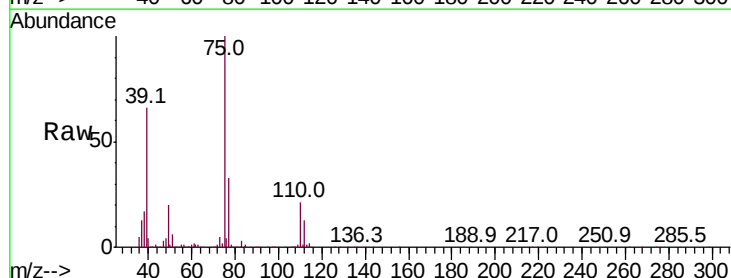
Instrument :
 MSVOA_L
 ClientSampleId :

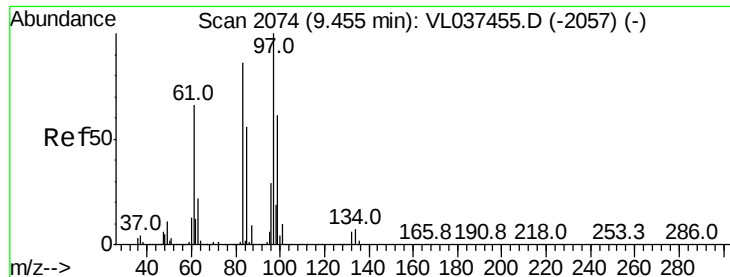
Tot Ion: 75 Resp: 1281567
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7



#46
 cis-1,3-Dichloropropene
 Concen: 12.220 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 75 Resp: 1696090
 Ion Ratio Lower Upper
 75 100
 39 65.9 49.7 74.5
 77 32.9 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.196 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1605367

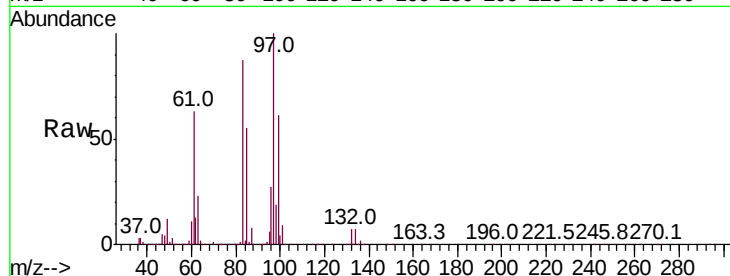
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.7	103.1
85	55.3	44.7	67.1
99	61.0	48.6	72.8

97 100

83 86.8 68.7 103.1

85 55.3 44.7 67.1

99 61.0 48.6 72.8



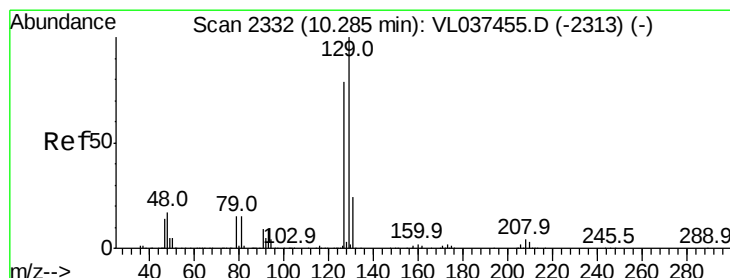
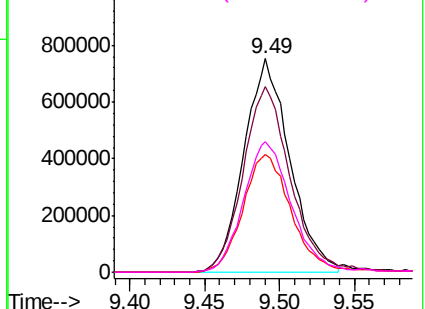
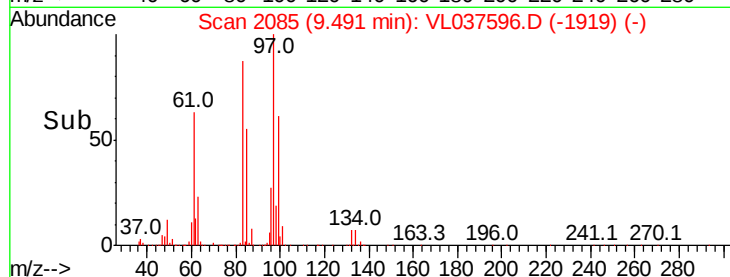
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.143 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.04 min

Lab File: VL037596.D

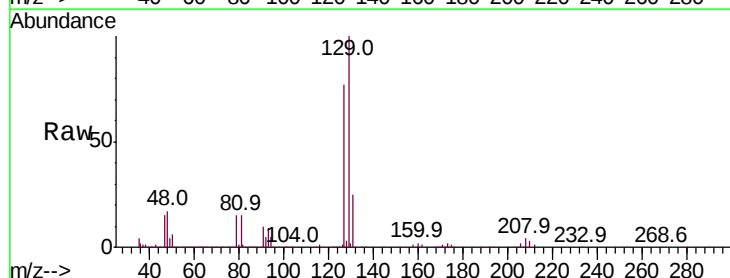
Acq: 9 Sep 2021 13:24

Tgt Ion: 129 Resp: 2524842

Ion	Ratio	Lower	Upper
129	100		
127	80.2	40.0	120.0

129 100

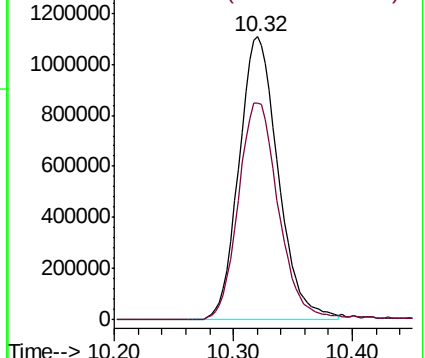
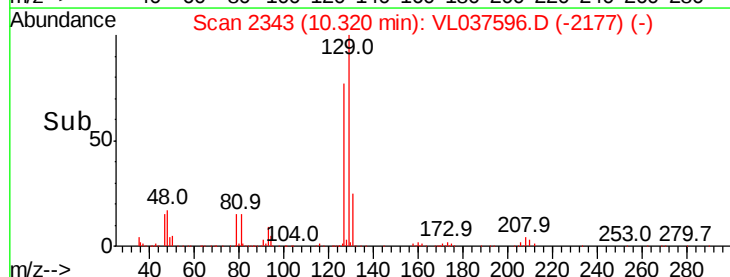
127 80.2 40.0 120.0

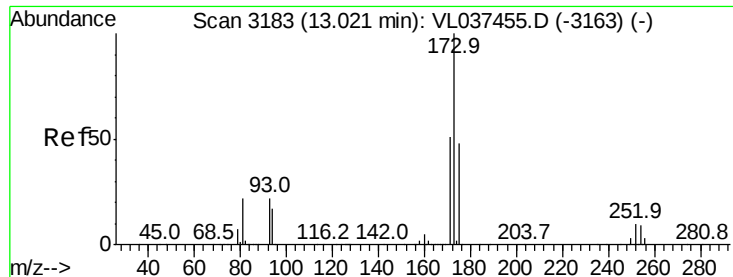


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.155 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

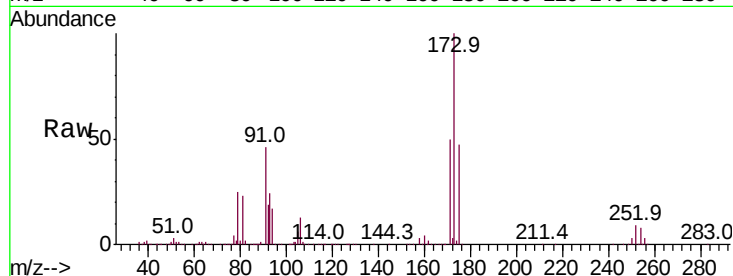
Tot Ion:173 Resp: 1992430

Ion Ratio Lower Upper

173 100

175 52.3 41.9 62.9

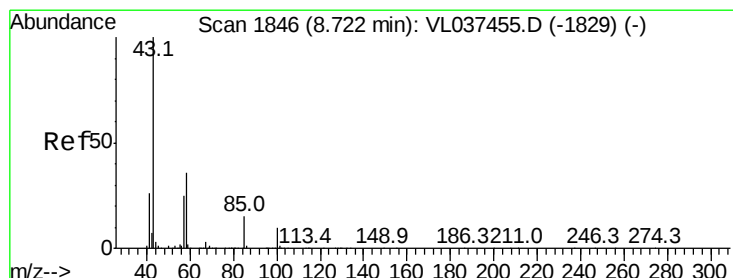
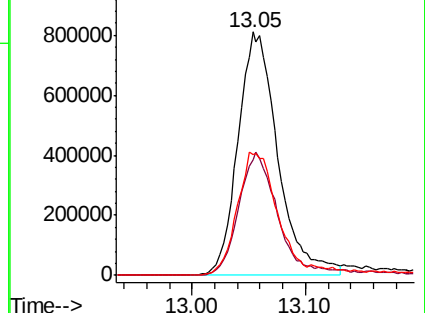
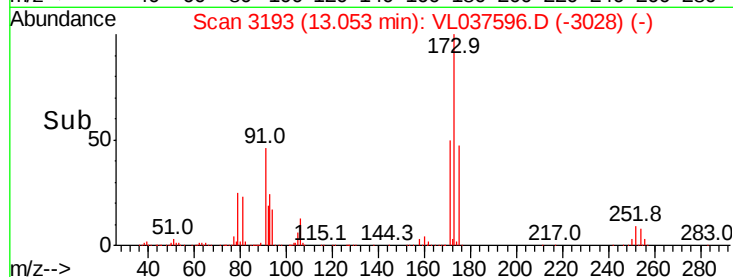
171 55.5 44.2 66.4



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: 11.117 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL037596.D

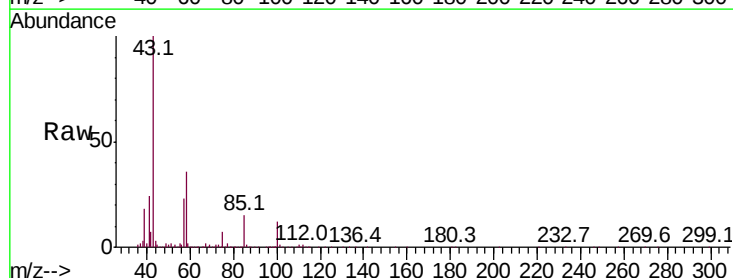
Acq: 9 Sep 2021 13:24

Tgt Ion: 43 Resp: 2671790

Ion Ratio Lower Upper

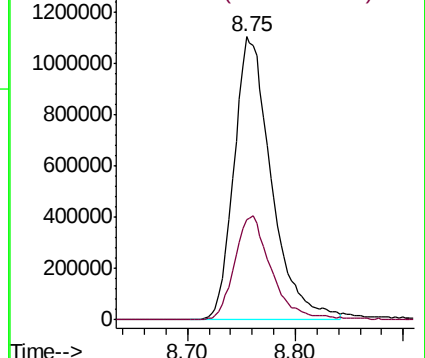
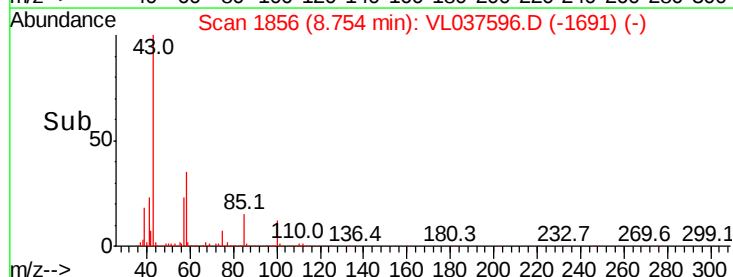
43 100

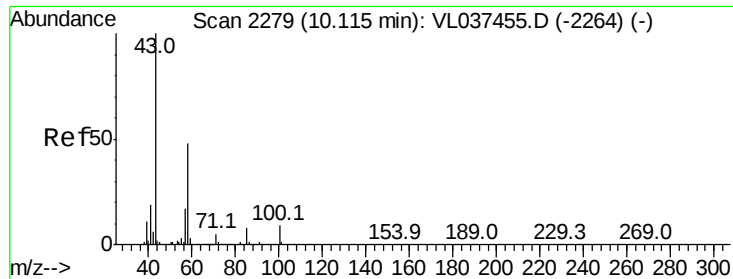
58 37.0 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

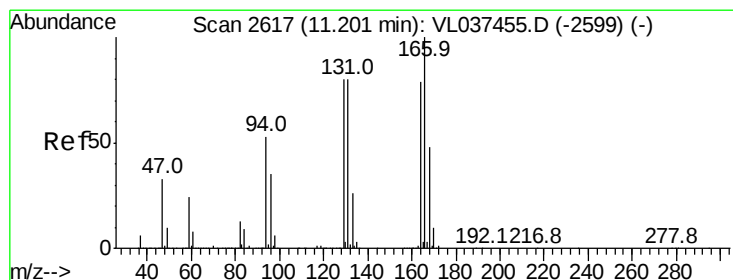
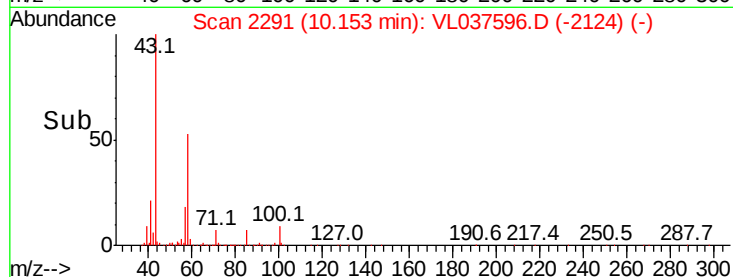
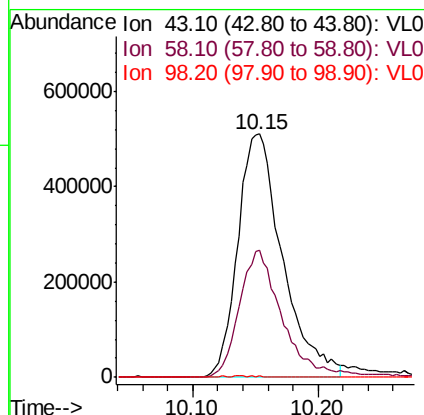
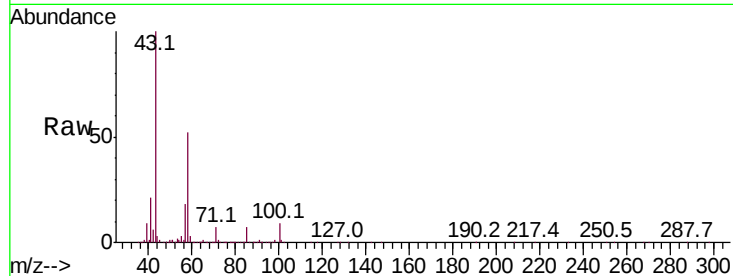




#51
2-Hexanone
Concen: 11.422 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

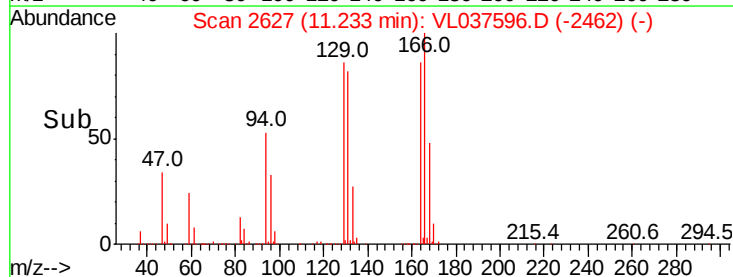
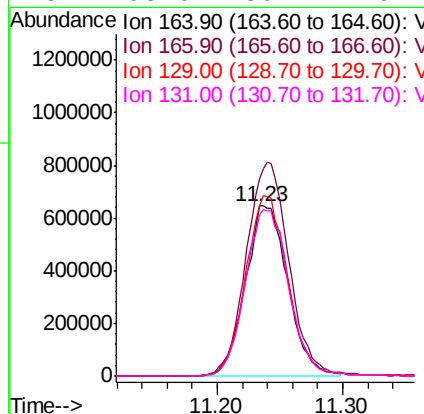
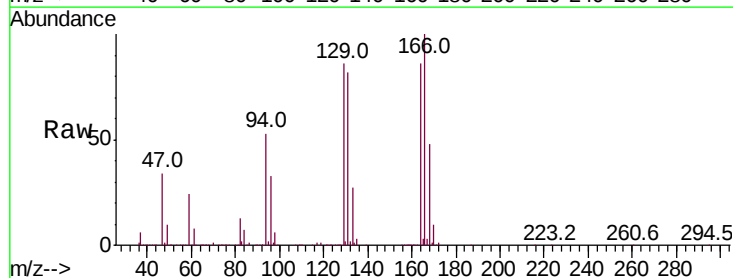
Instrument :
MSVOA_L
ClientSampleId :

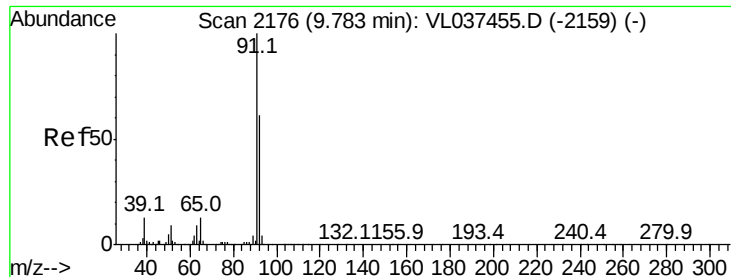
Tot Ion: 43 Resp: 1262608
Ion Ratio Lower Upper
43 100
58 50.8 41.0 61.6
98 0.6 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.769 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 164 Resp: 1518158
Ion Ratio Lower Upper
164 100
166 115.6 100.7 151.1
129 100.0 80.9 121.3
131 95.0 80.2 120.4





#53

Toluene

Concen: 10.825 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

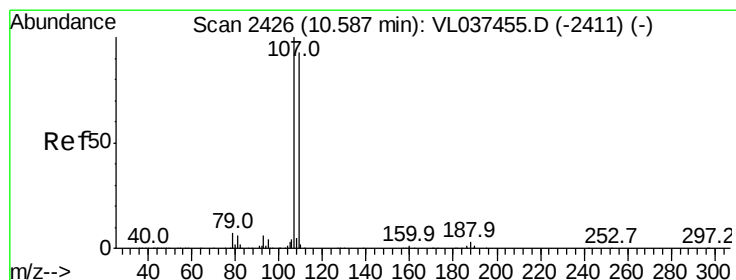
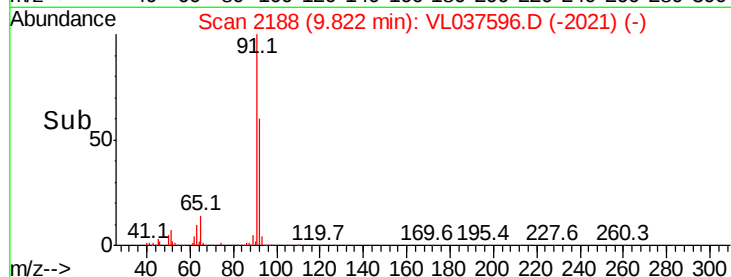
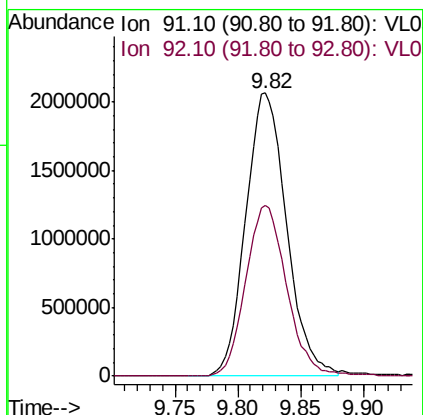
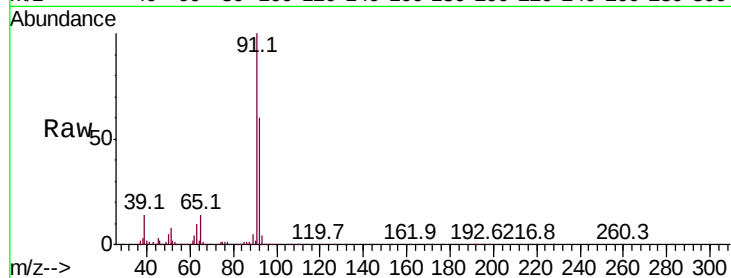
ClientSampleId :

Tot Ion: 91 Resp: 4687335

Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2



#54

1,2-Dibromoethane

Concen: 10.604 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL037596.D

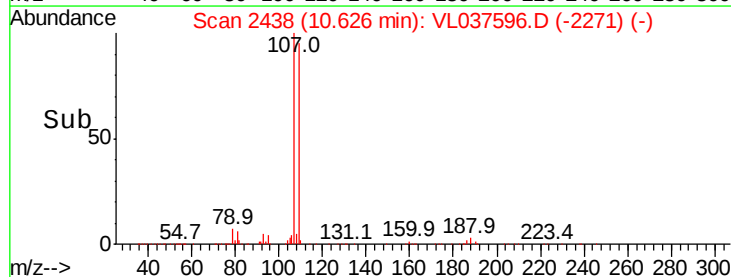
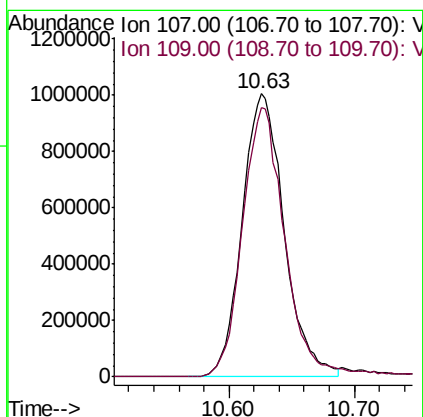
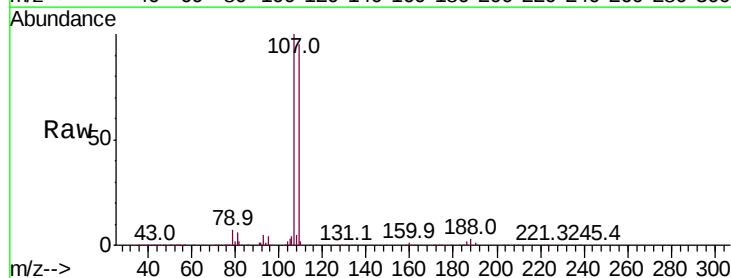
Acq: 9 Sep 2021 13:24

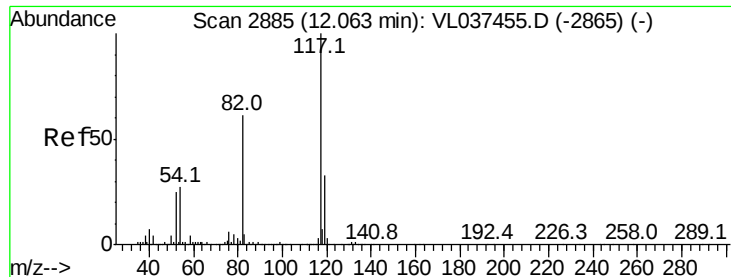
Tgt Ion: 107 Resp: 2330990

Ion Ratio Lower Upper

107 100

109 95.1 74.2 111.4

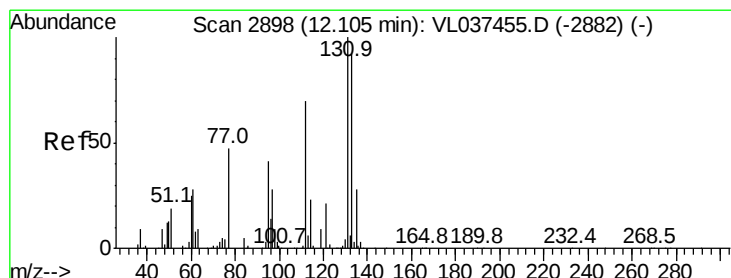
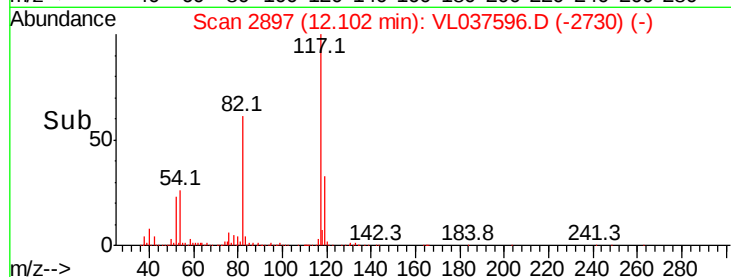
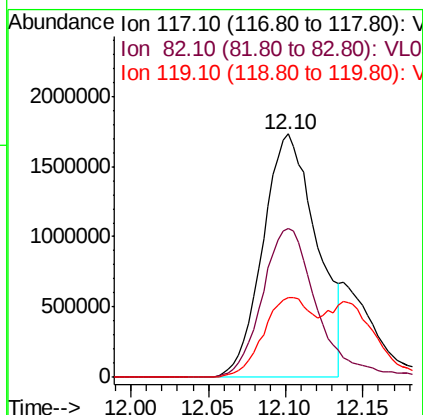
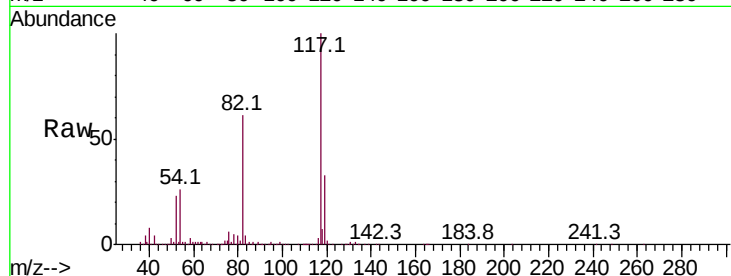




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

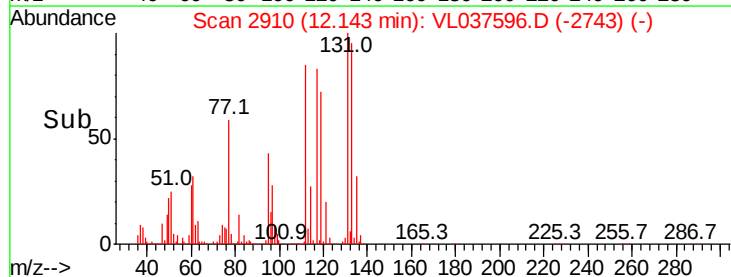
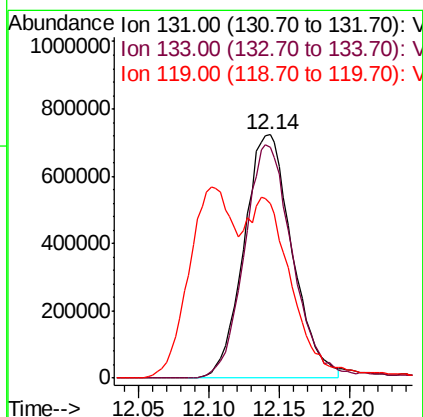
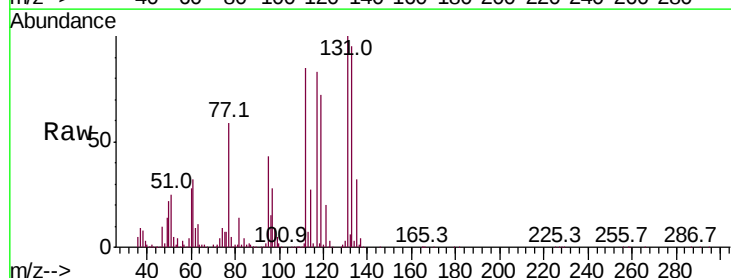
Instrument :
MSVOA_L
ClientSampled :

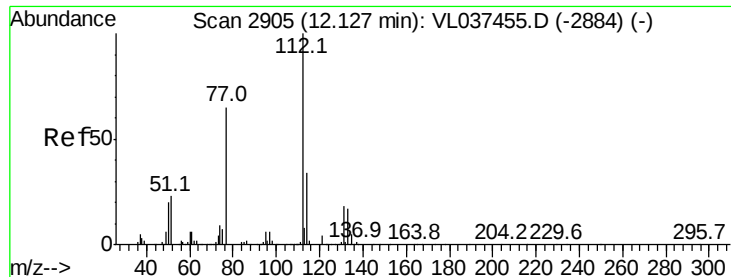
Tot Ion:117 Resp: 4201448
Ion Ratio Lower Upper
117 100
82 63.5 52.9 79.3
119 30.0 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.883 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion:131 Resp: 1730208
Ion Ratio Lower Upper
131 100
133 99.4 78.7 118.1
119 70.1 56.6 85.0

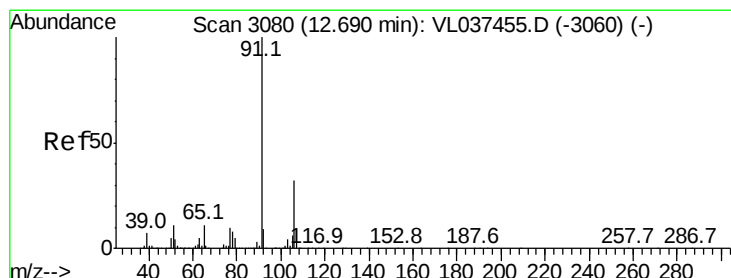
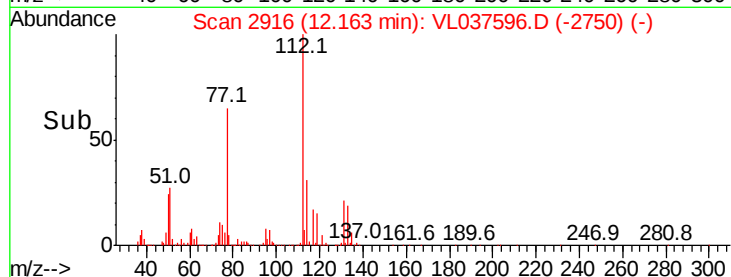
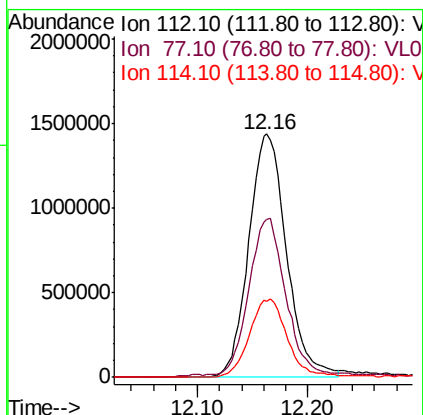
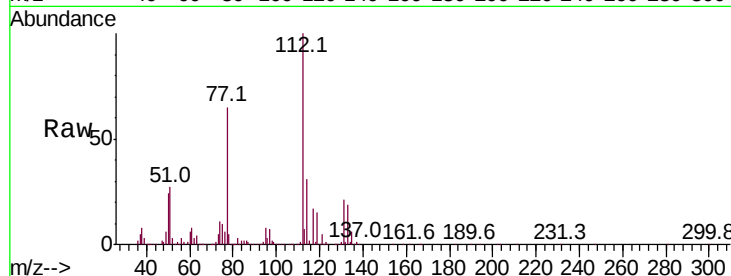




#57
Chlorobenzene
Concen: 9.801 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

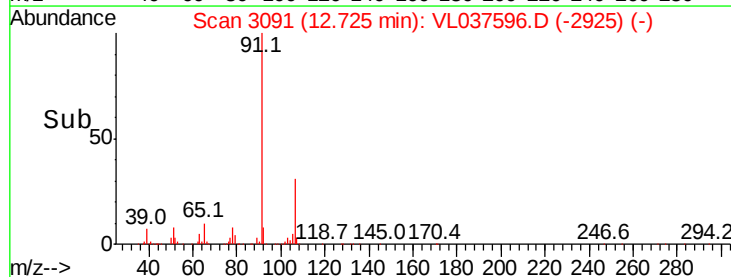
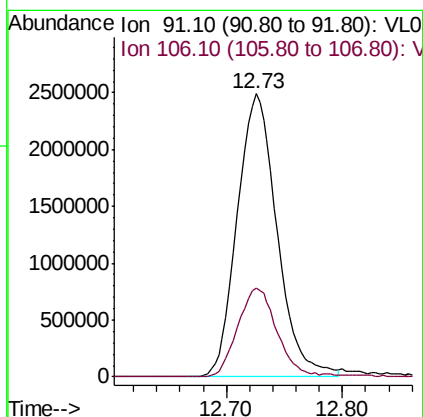
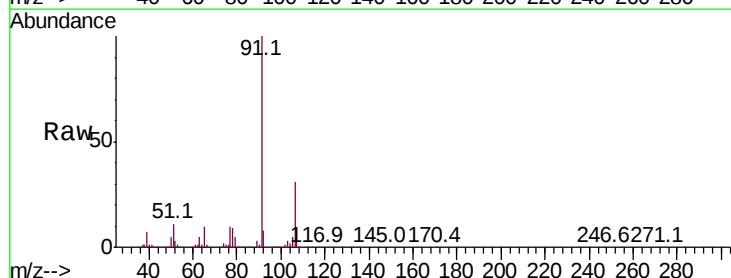
Instrument :
MSVOA_L
ClientSampleId :

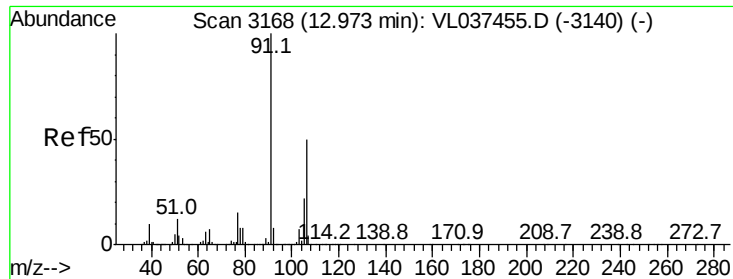
Tot Ion:112 Resp: 3417231
Ion Ratio Lower Upper
112 100
77 64.1 51.6 77.4
114 31.2 30.7 37.5



#58
Ethyl Benzene
Concen: 10.180 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 91 Resp: 5935255
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5

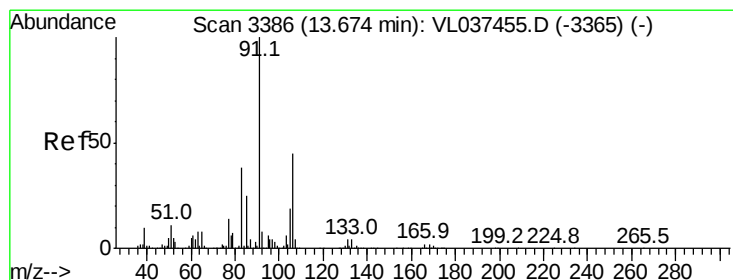
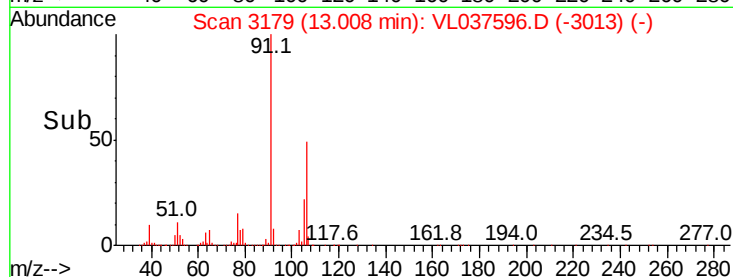
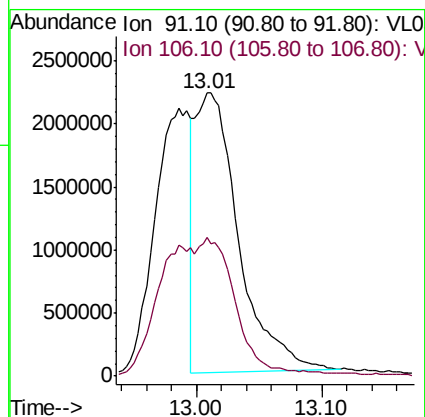
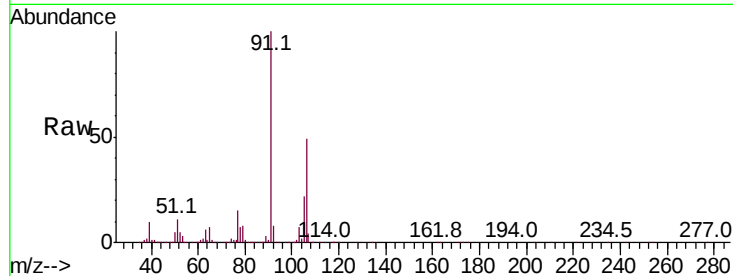




#59
m/p-Xylene
Concen: 10.475 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

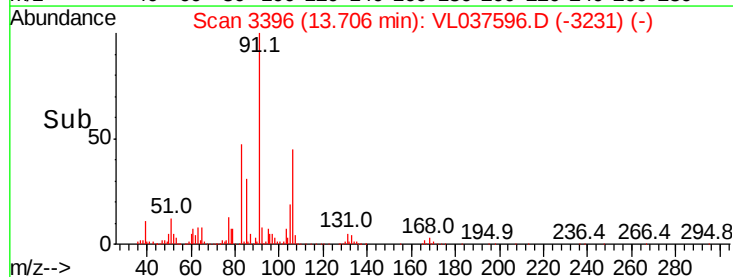
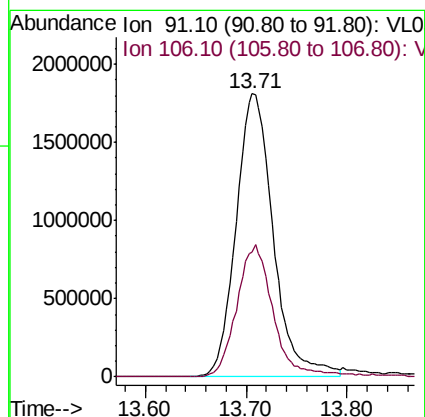
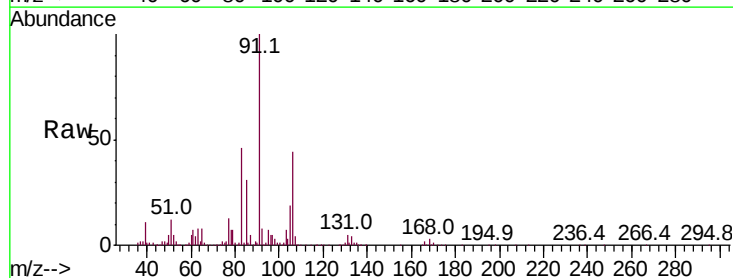
Instrument :
MSVOA_L
ClientSampleId :

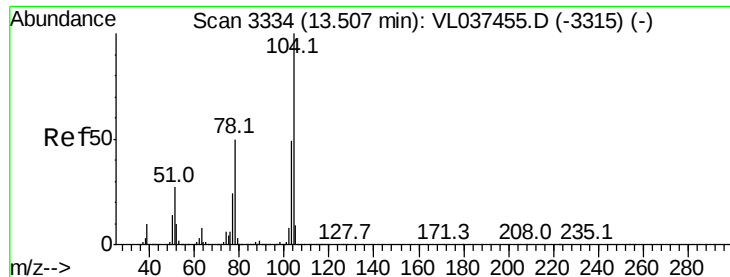
Tot Ion: 91 Resp: 5294811
Ion Ratio Lower Upper
91 100
106 86.3 36.9 55.3#



#60
o-Xylene
Concen: 9.821 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 91 Resp: 4633371
Ion Ratio Lower Upper
91 100
106 46.4 23.7 71.1





#61

Stvrene

Concen: 10.695 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

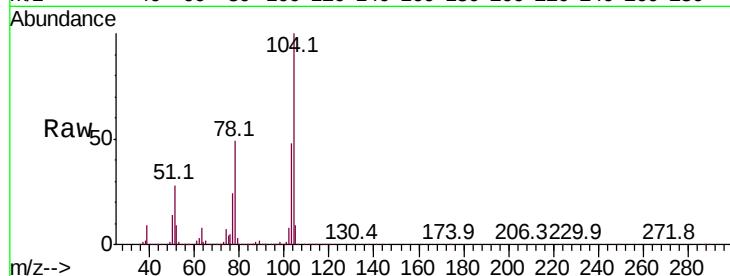
Tot Ion:104 Resp: 2620963

Ion Ratio Lower Upper

104 100

78 50.4 41.3 61.9

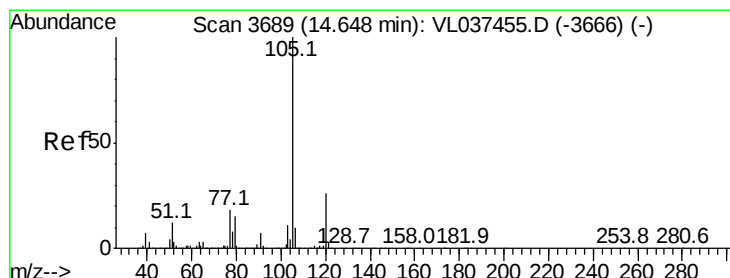
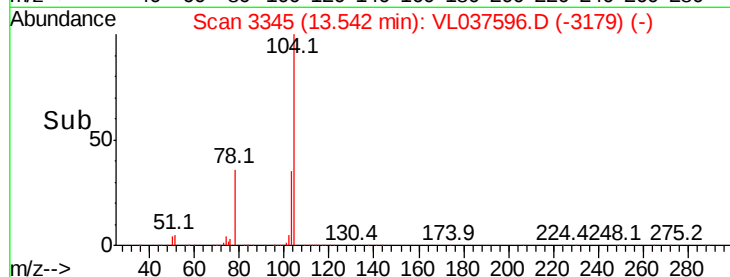
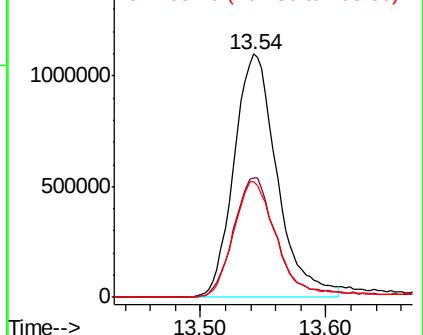
103 49.1 39.4 59.0



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: 9.307 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.04 min

Lab File: VL037596.D

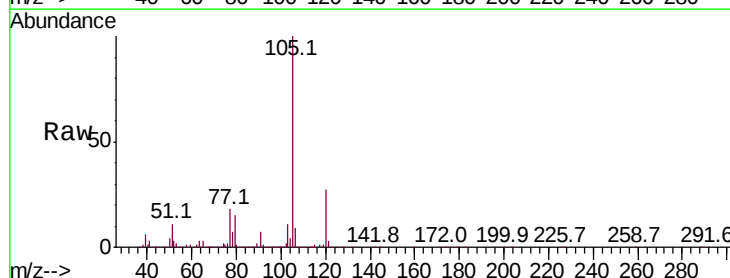
Acq: 9 Sep 2021 13:24

Tgt Ion:105 Resp: 6196590

Ion Ratio Lower Upper

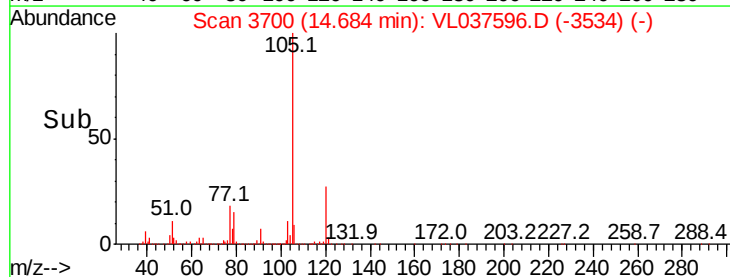
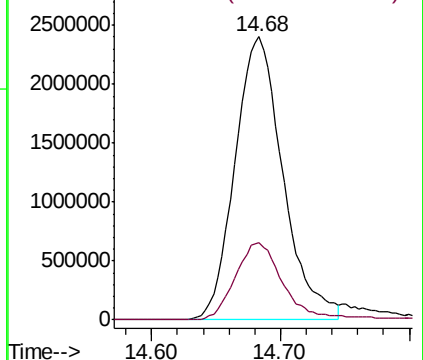
105 100

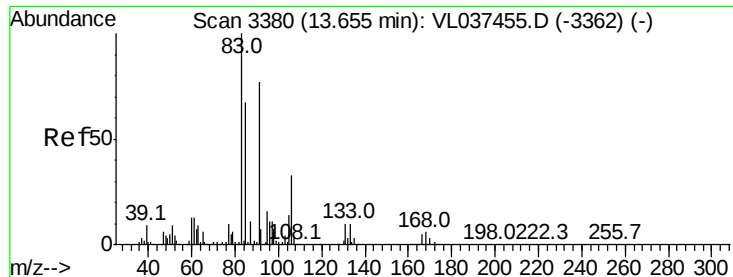
120 28.2 21.5 32.3



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: 8.944 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

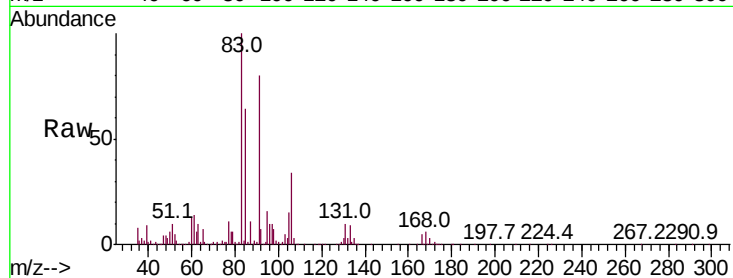
Tot Ion: 83 Resp: 3135939

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	68.3	33.8	101.3

83 100

131 10.4 5.0 15.0

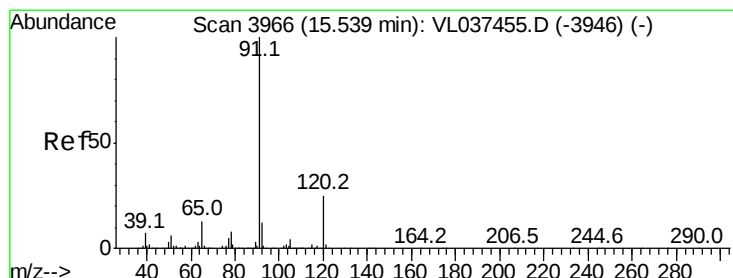
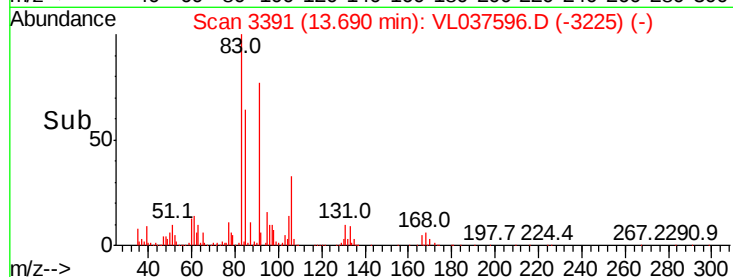
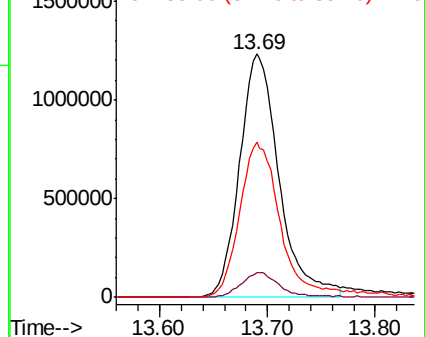
85 68.3 33.8 101.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.596 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.04 min

Lab File: VL037596.D

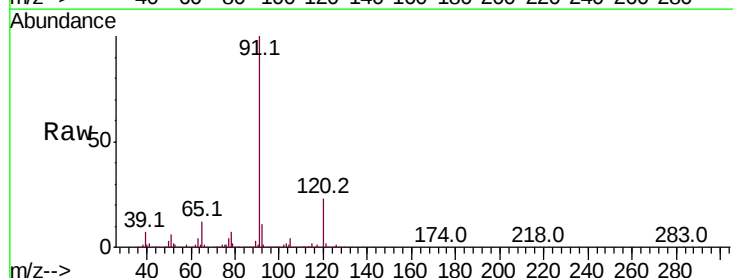
Acq: 9 Sep 2021 13:24

Tgt Ion:120 Resp: 1625952

Ion	Ratio	Lower	Upper
120	100		
91	484.8	373.8	560.6

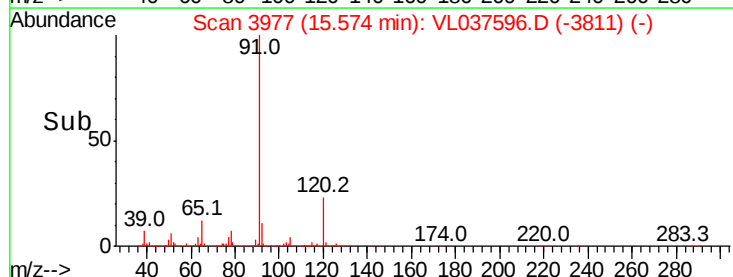
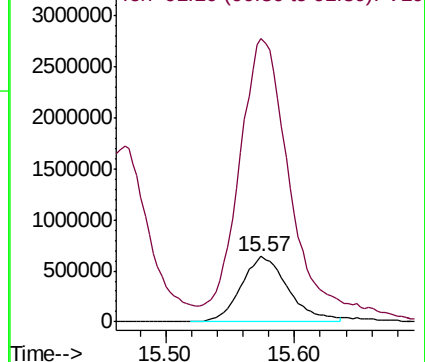
120 100

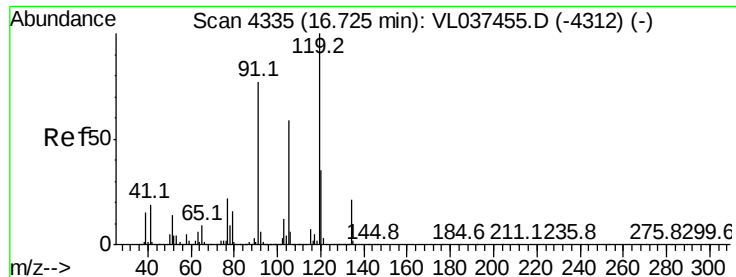
91 484.8 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

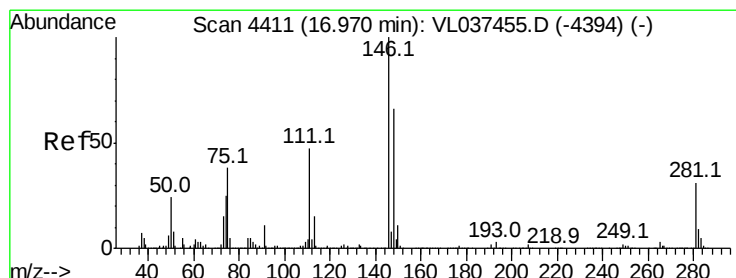
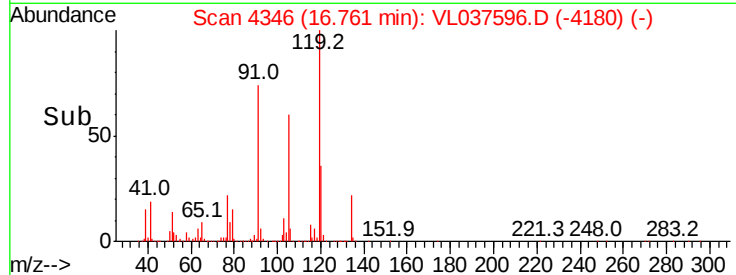
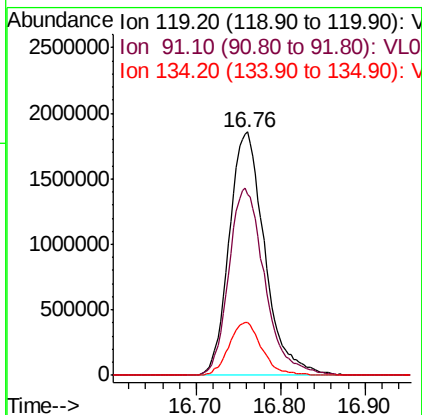
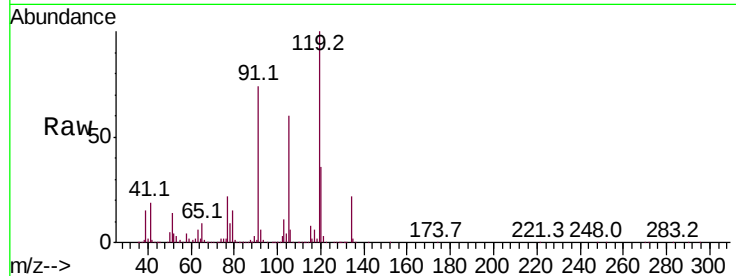




#65
tert-Butylbenzene
Concen: 8.964 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.04 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

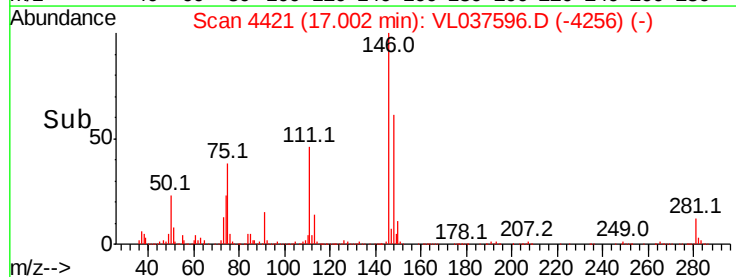
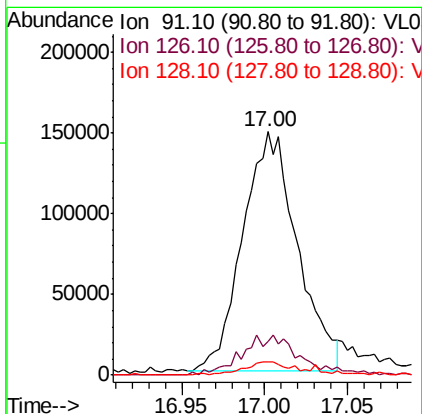
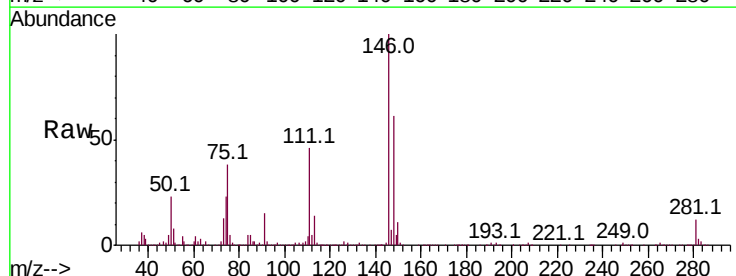
Instrument :
MSVOA_L
ClientSampled :

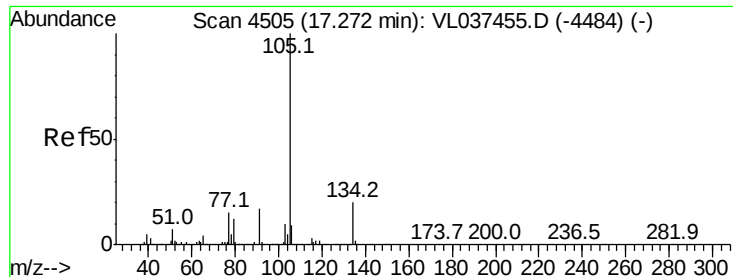
Tot Ion:119 Resp: 5435472
Ion Ratio Lower Upper
119 100
91 77.7 62.9 94.3
134 20.4 16.4 24.6



#66
Benzyl Chloride
Concen: 12.423 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion: 91 Resp: 340771
Ion Ratio Lower Upper
91 100
126 18.2 15.9 23.9
128 6.1 5.4 8.0

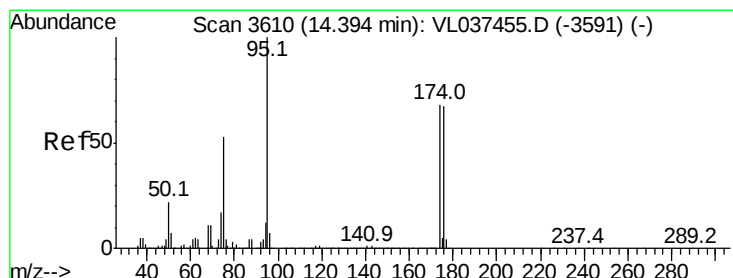
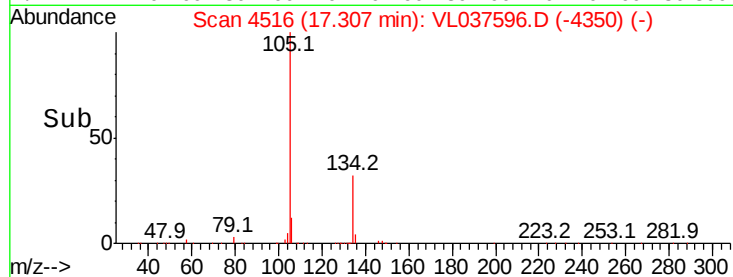
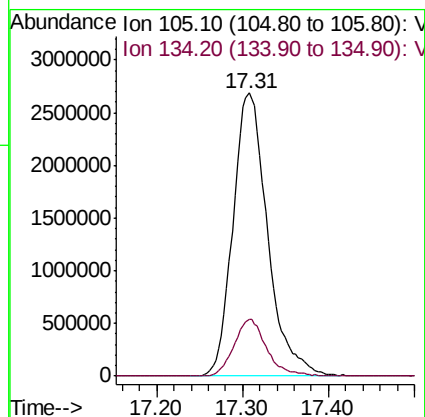
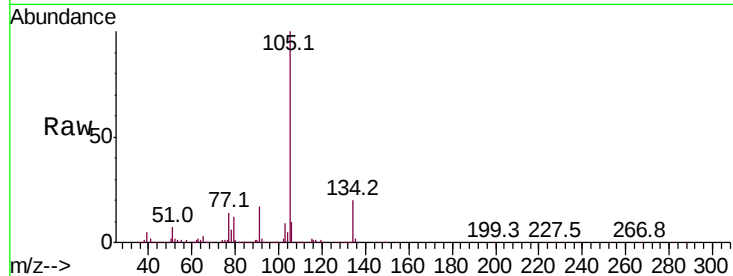




#67
 sec-Butylbenzene
 Concen: 8.861 ppbv
 RT: 17.31 min Scan# 4516
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

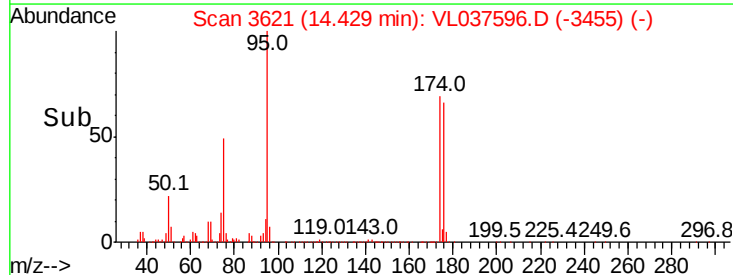
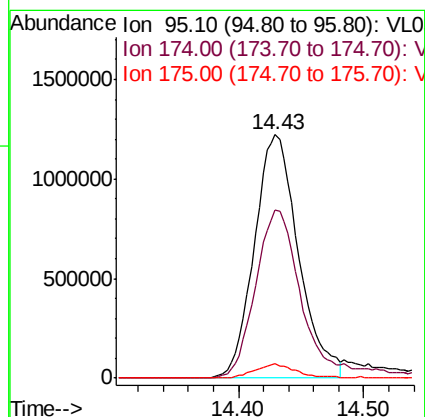
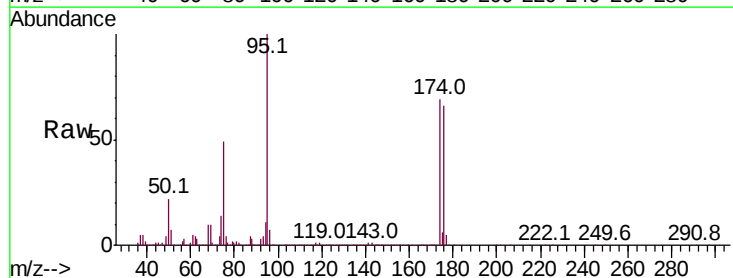
Instrument :
 MSVOA_L
 ClientSampleId :

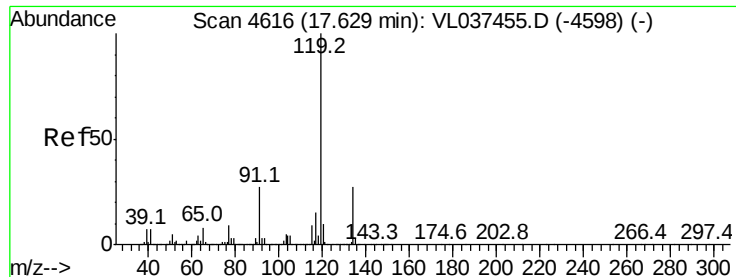
Tot Ion:105 Resp: 7507748
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.2 22.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.019 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 95 Resp: 2990608
 Ion Ratio Lower Upper
 95 100
 174 75.7 59.6 89.4
 175 5.8 4.6 7.0

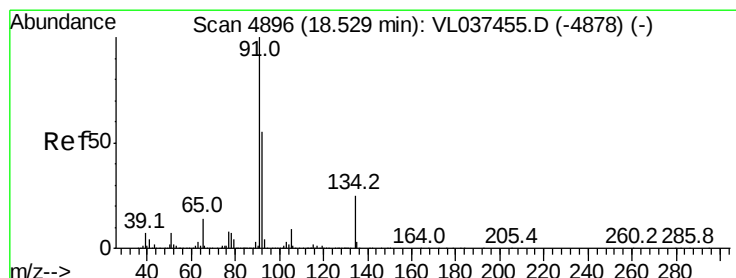
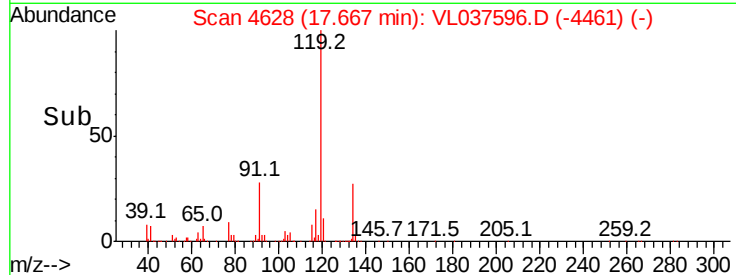
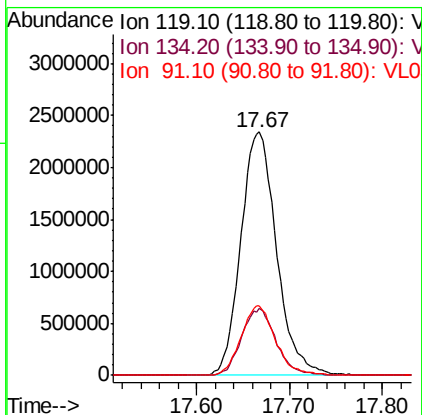
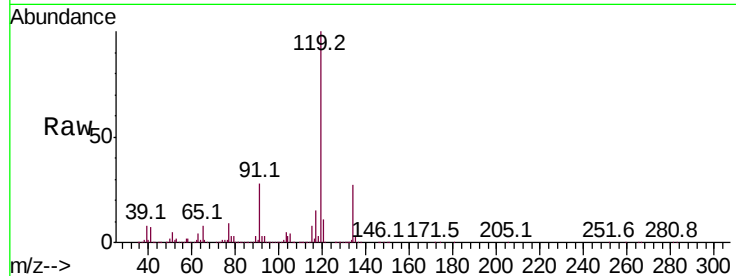




#69
 p-Isopropyltoluene
 Concen: 9.063 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

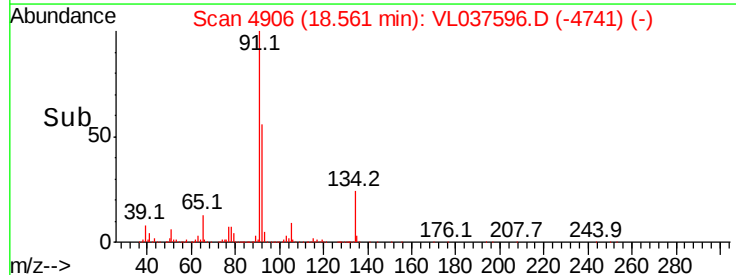
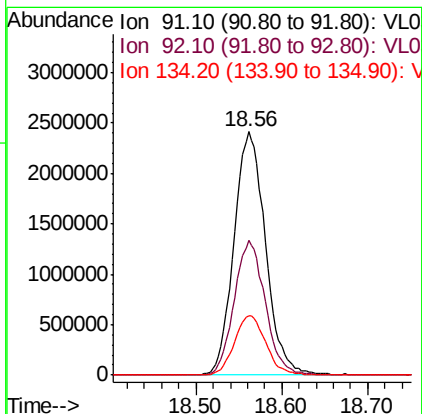
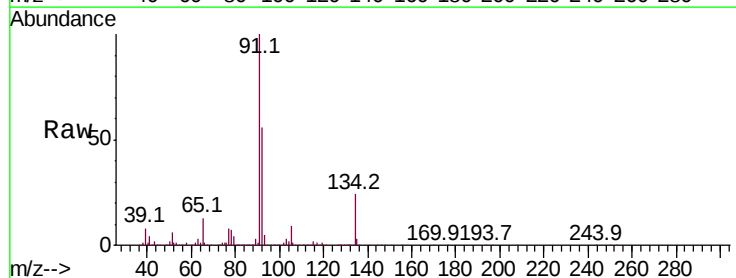
Instrument :
 MSVOA_L
 ClientSampleId :

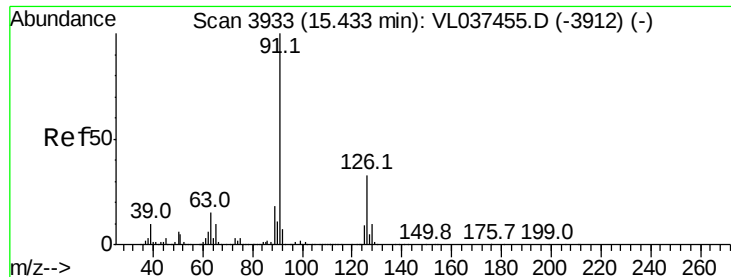
Tot Ion:119 Resp: 6257359
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.1 31.7
 91 27.4 22.4 33.6



#70
 n-Butylbenzene
 Concen: 9.307 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.03 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Tgt Ion: 91 Resp: 6140918
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.0 66.0
 134 24.4 19.5 29.3





#71

2-Chlorotoluene

Concen: 9.220 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

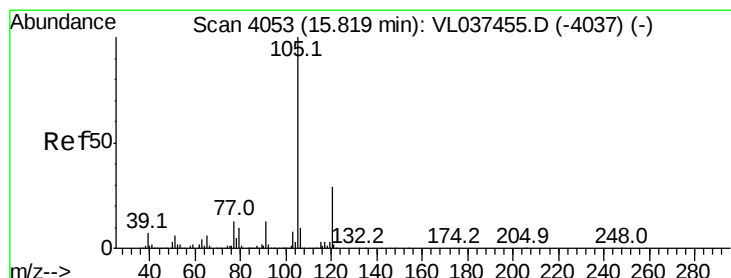
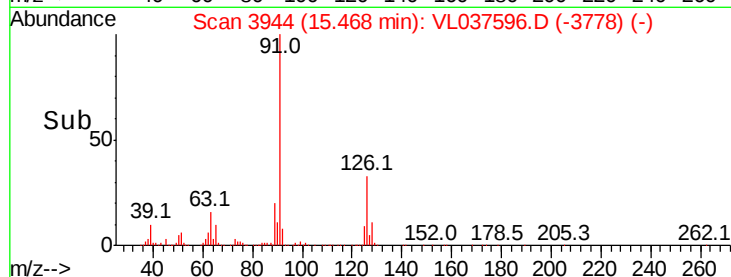
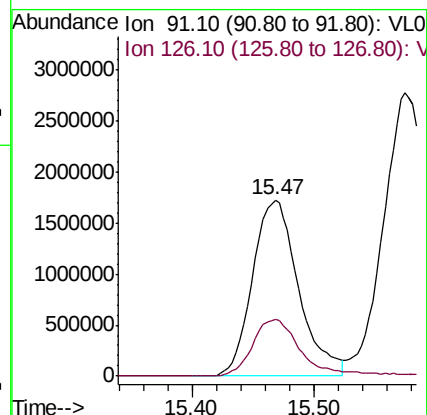
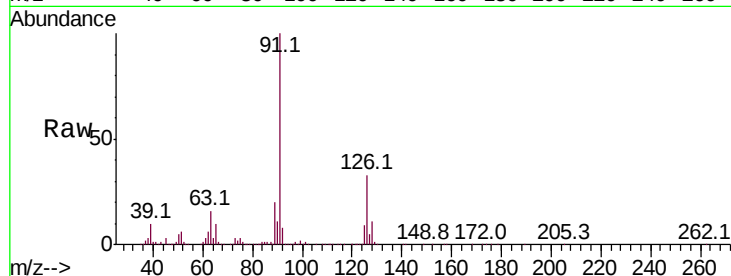
ClientSampleId :

Tot Ion: 91 Resp: 4501953

Ion Ratio Lower Upper

91 100

126 34.8 13.6 54.4



#72

4-Ethyltoluene

Concen: 9.153 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion:105 Resp: 5135971

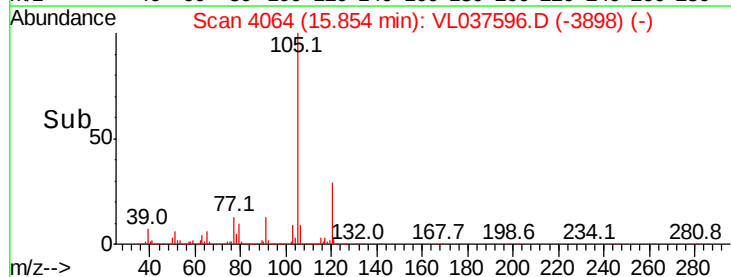
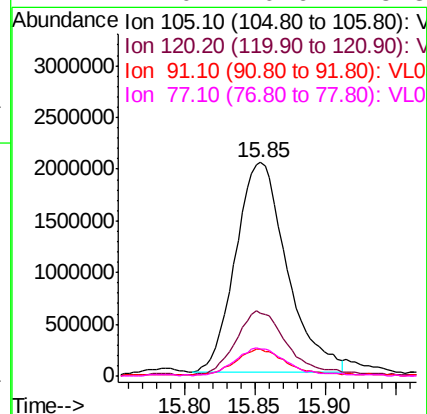
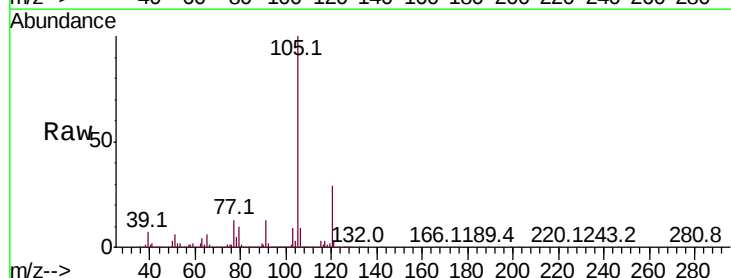
Ion Ratio Lower Upper

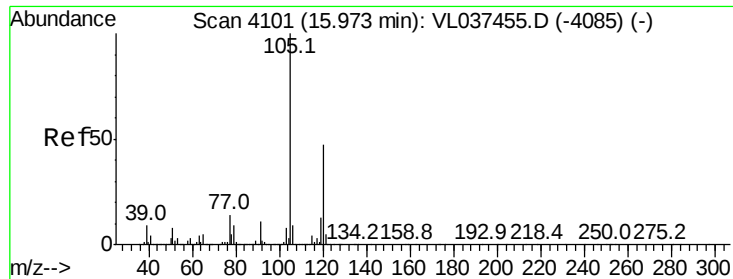
105 100

120 32.5 24.7 37.1

91 12.8 9.8 14.8

77 14.0 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.464 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

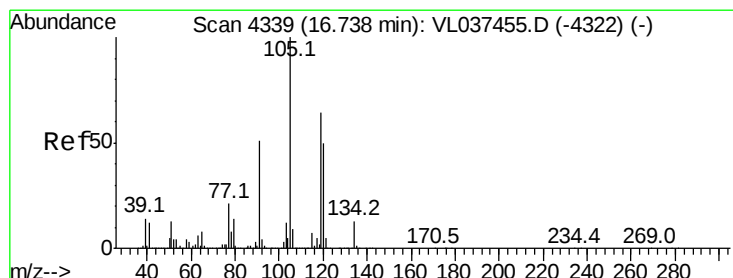
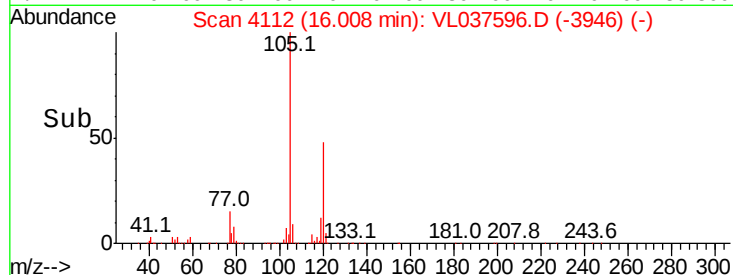
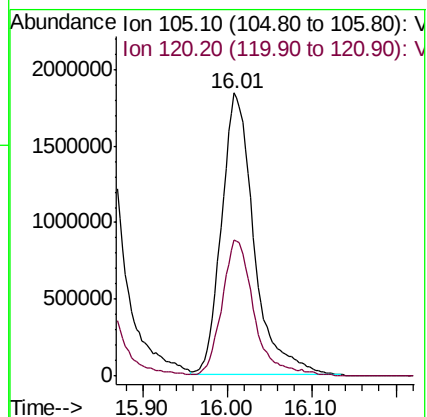
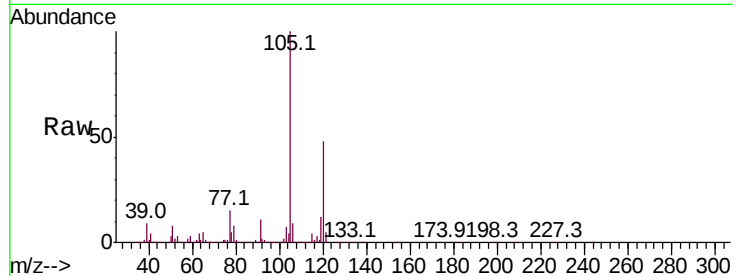
ClientSampled :

Tot Ion:105 Resp: 4943420

Ion Ratio Lower Upper

105 100

120 47.9 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 8.969 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Tgt Ion:105 Resp: 4978460

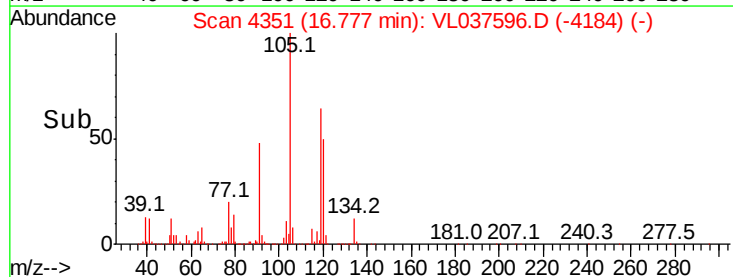
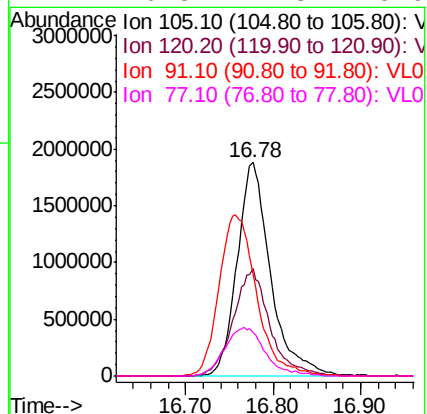
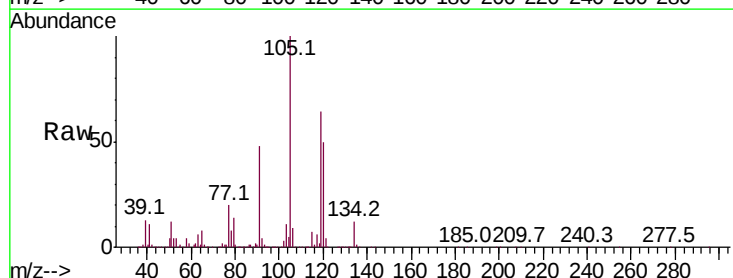
Ion Ratio Lower Upper

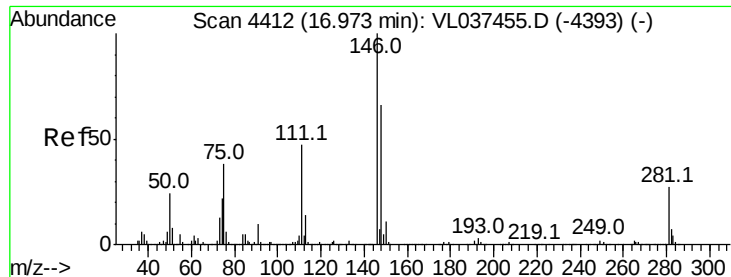
105 100

120 50.2 40.4 60.6

91 47.3 44.6 67.0

77 20.3 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 8.468 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampled :

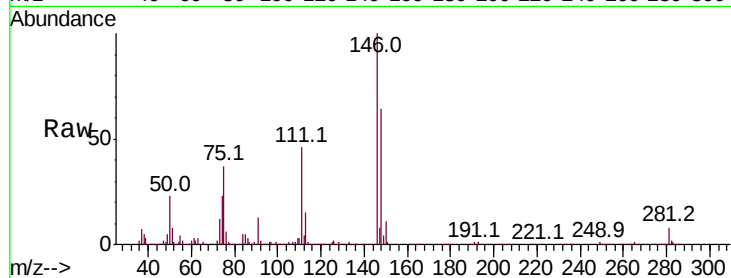
Tot Ion:146 Resp: 2829241

Ion Ratio Lower Upper

146 100

111 48.4 23.4 70.0

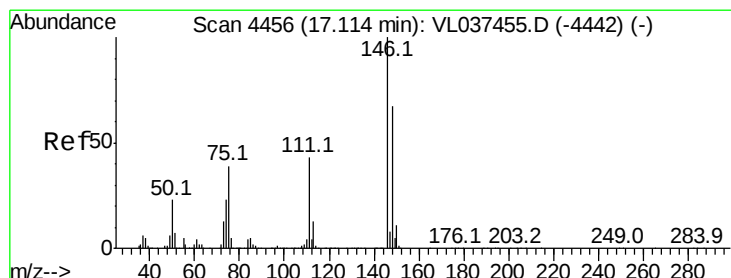
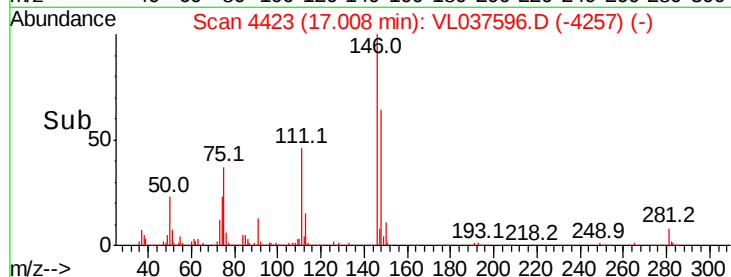
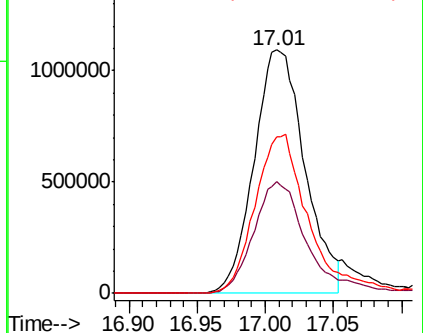
148 68.8 33.1 99.5



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: 8.749 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

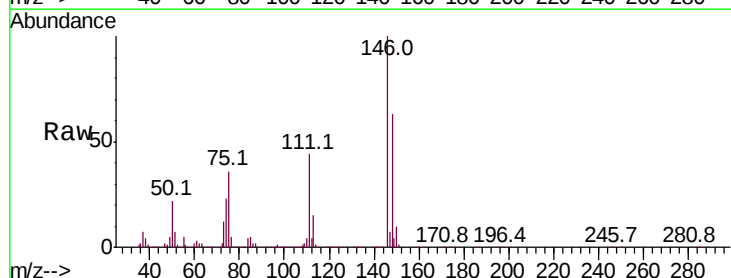
Tgt Ion:146 Resp: 2944573

Ion Ratio Lower Upper

146 100

111 44.6 22.1 66.5

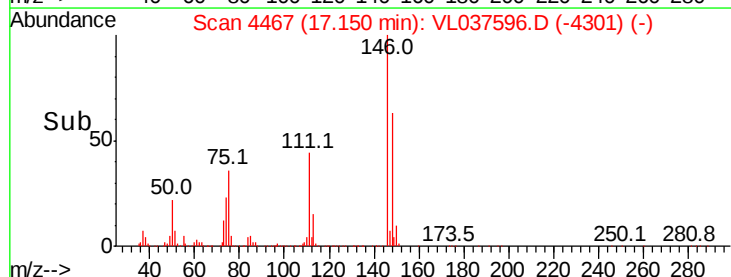
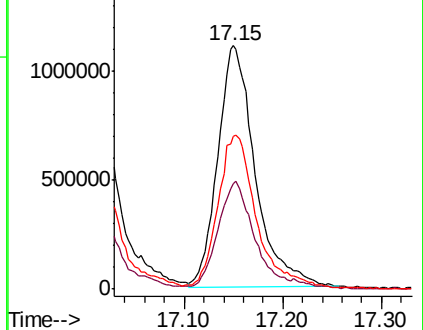
148 65.7 32.4 97.0

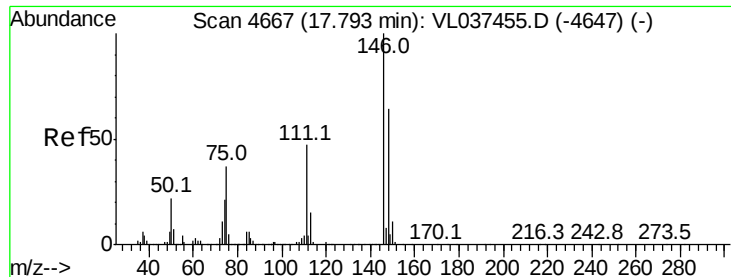


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.611 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.04 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

Instrument :

MSVOA_L

ClientSampleId :

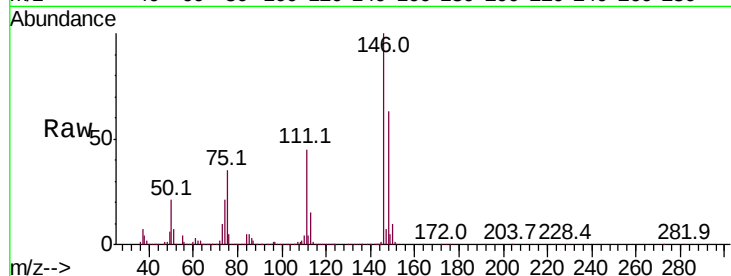
Tot Ion:146 Resp: 2832833

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.3

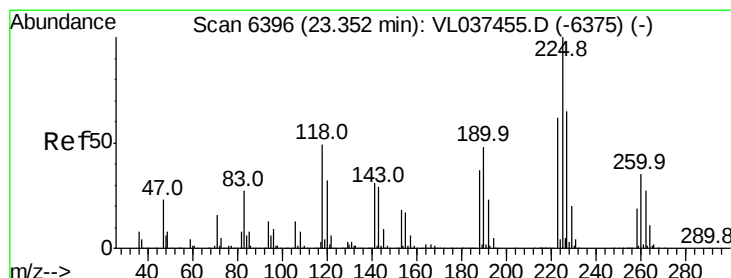
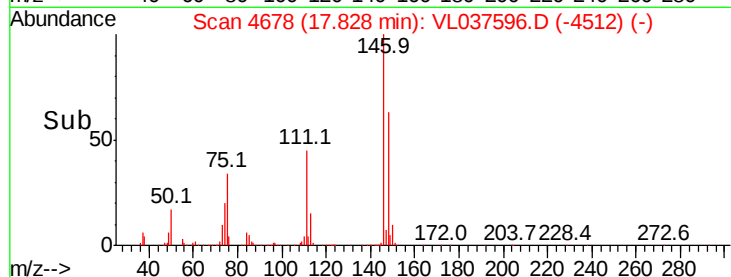
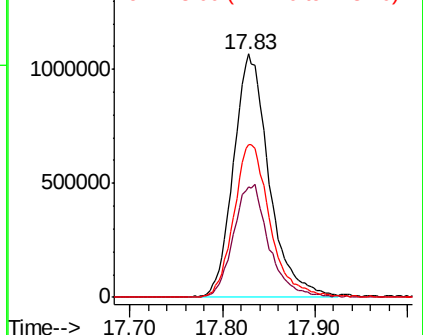
148 64.1 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.211 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.03 min

Lab File: VL037596.D

Acq: 9 Sep 2021 13:24

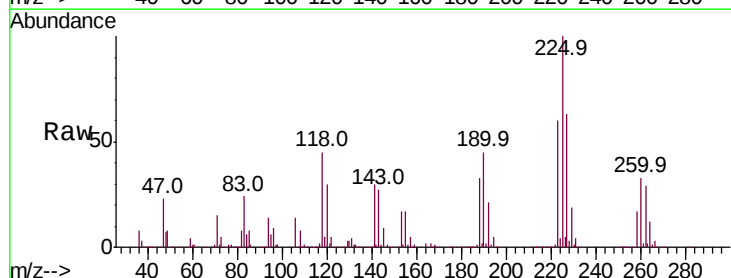
Tgt Ion:225 Resp: 2519574

Ion Ratio Lower Upper

225 100

223 63.5 51.4 77.0

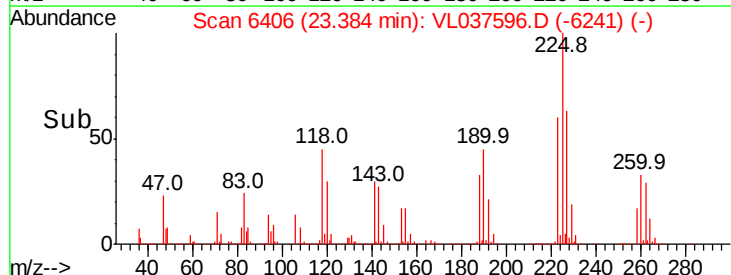
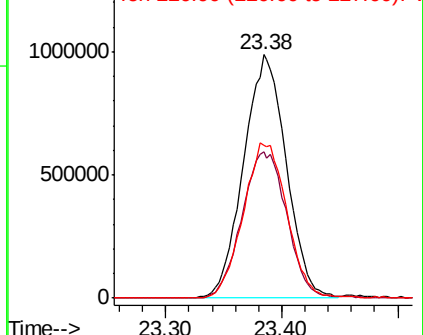
227 65.5 52.9 79.3

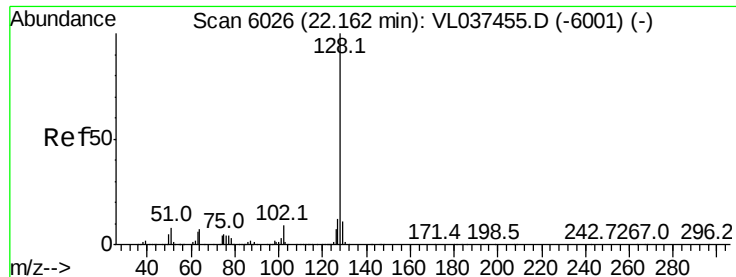


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

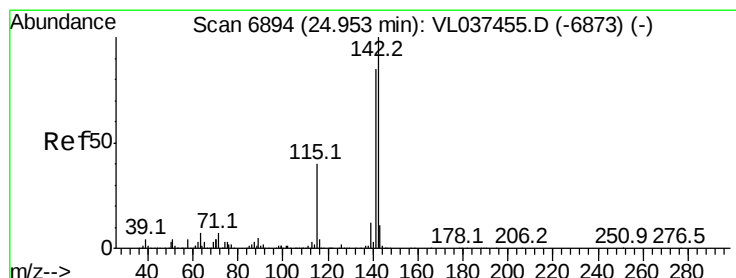
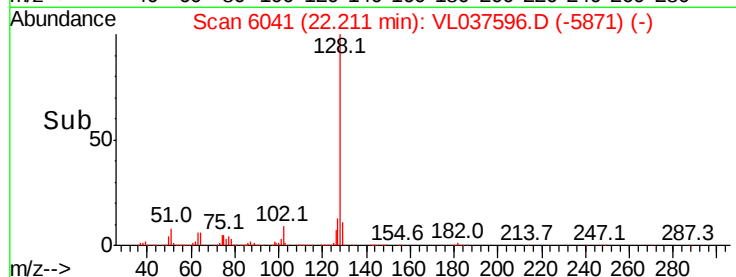
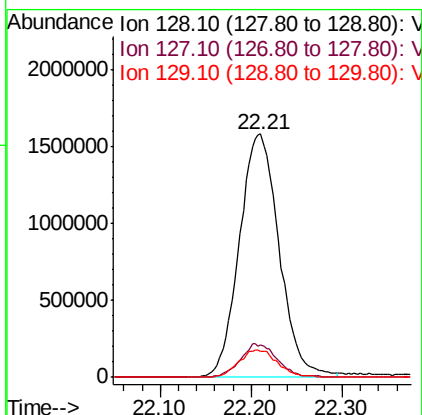
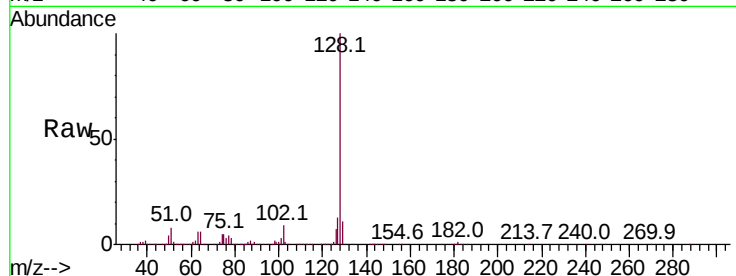




#79
Naphthalene
Concen: 12.934 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.05 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

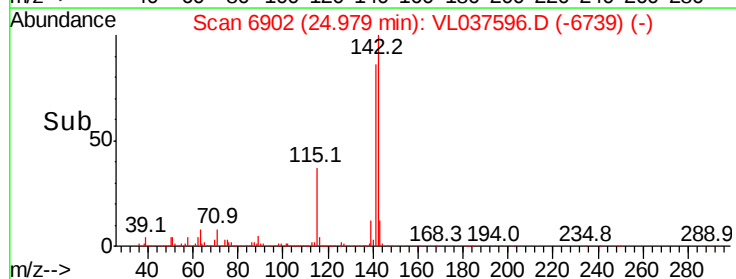
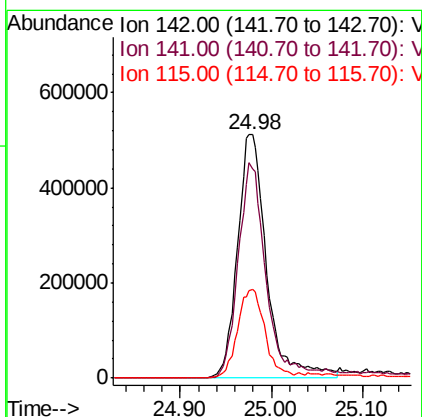
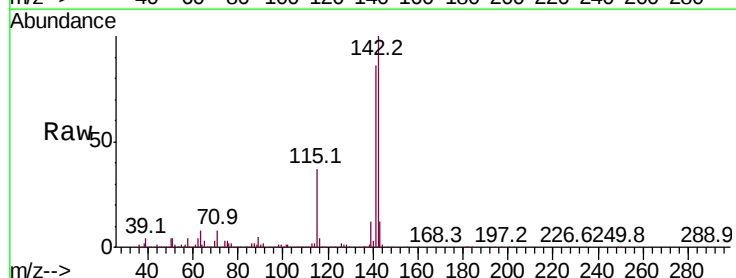
Instrument :
MSVOA_L
ClientSampleId :

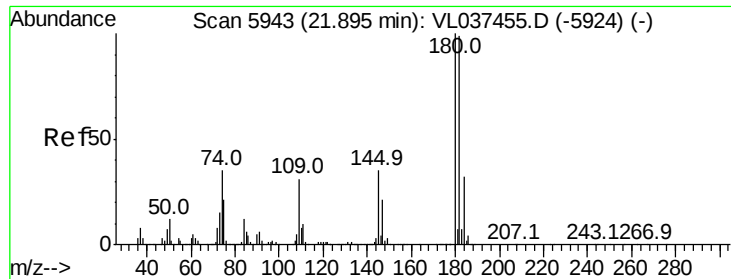
Tot Ion:128 Resp: 4804106
Ion Ratio Lower Upper
128 100
127 13.4 9.4 14.2
129 10.9 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 11.020 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. 0.03 min
Lab File: VL037596.D
Acq: 9 Sep 2021 13:24

Tgt Ion:142 Resp: 1140325
Ion Ratio Lower Upper
142 100
141 90.3 64.7 97.1
115 34.7 28.4 42.6

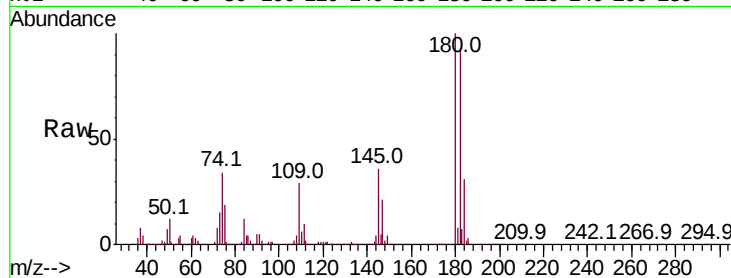




#81
 1,2,4-Trichlorobenzene
 Concen: 11.330 ppbv
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.04 min
 Lab File: VL037596.D
 Acq: 9 Sep 2021 13:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2640864
 Ion Ratio Lower Upper
 180 100
 182 98.3 79.6 119.4
 184 31.8 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 1200000 Ion 182.00 (181.70 to 182.70): V
 1000000 Ion 184.00 (183.70 to 184.70): V

