

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
 Data File : VL037594.D
 Acq On : 9 Sep 2021 11:52
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 10 01:31:44 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	1561645	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4644297	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	5447766	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3163394	8.17	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1761744	7.031	ppbv	95
3) Chlorodifluoromethane	2.99	51	2938636	9.827	ppbv	99
4) Chloromethane	3.15	50	1104161	10.333	ppbv	96
5) Vinyl Chloride	3.26	62	1125252	10.278	ppbv	97
6) Bromomethane	3.48	94	577006	9.621	ppbv	99
7) Chloroethane	3.56	64	371033	9.930	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2282801	8.825	ppbv	99
9) Propene	3.02	41	1123865	10.504	ppbv	100
10) Heptane	8.14	43	2773961	11.264	ppbv	98
11) Trichlorofluoromethane	3.96	101	2250482	9.568	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1715039	9.937	ppbv	97
13) Ethanol	3.63	45	13494	1.296	ppbv #	1
14) Bromoethene	3.75	108	759644	9.695	ppbv	98
15) Acetone	3.86	43	1401837	8.820	ppbv	99
16) 1,3-Butadiene	3.33	39	1063748	10.434	ppbv	98
17) tert-Butyl alcohol	4.29	59	1495073	10.298	ppbv	98
18) 1,1-Dichloroethene	4.30	96	748244	9.544	ppbv	94
19) Isopropyl Alcohol	3.97	45	880719	9.673	ppbv #	98
20) Methylene Chloride	4.35	84	653983	8.219	ppbv	95
21) Allyl Chloride	4.42	41	1274260	9.871	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	804292	10.283	ppbv	99
23) Vinyl Acetate	5.08	43	2215627	9.458	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1555408	9.155	ppbv	98
25) Ethyl Acetate	5.69	43	4273122	10.591	ppbv	99
26) Hexane	5.70	57	2027046	10.276	ppbv	98
27) Carbon Disulfide	4.56	76	1831946	10.421	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1698300	8.964	ppbv	99
29) Chloroform	5.76	83	2779634	9.943	ppbv	97
30) Cyclohexane	7.14	84	1725462	10.498	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1877100	10.514	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	2676867	9.745	ppbv	99
34) 2-Butanone	5.25	43	1985939	10.472	ppbv	98
35) Carbon Tetrachloride	7.03	117	2757587	10.047	ppbv	100
36) Benzene	6.91	78	4175586	10.695	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1997222	10.327	ppbv	100
38) Trichloroethene	7.84	130	1669954	10.425	ppbv	95
39) 1,2-Dichloropropane	7.63	63	1612745	10.750	ppbv	95
40) 1,4-Dioxane	7.85	88	119726	3.258	ppbv #	100
41) Tetrahydrofuran	6.06	42	1036188	11.342	ppbv	98
42) Bromodichloromethane	7.80	83	2959888	10.467	ppbv	98
43) Methyl Methacrylate	8.03	69	1522031	11.185	ppbv	98

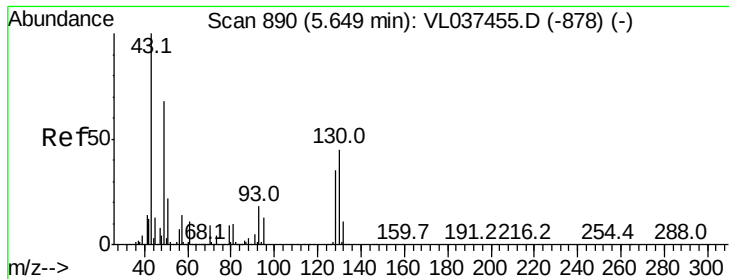
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090921\
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Quant Time: Sep 10 01:31:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6910081	10.516	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1369117	13.365	ppbv	93
46) cis-1,3-Dichloropropene	8.72	75	1790471	12.530	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1666542	10.281	ppbv	98
48) Dibromochloromethane	10.32	129	2670878	11.449	ppbv	99
49) Bromoform	13.05	173	2178640	11.848	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2863210	11.572	ppbv	100
51) 2-Hexanone	10.15	43	1361033	11.960	ppbv #	99
52) Tetrachloroethene	11.24	164	1566204	9.790	ppbv	99
53) Toluene	9.82	91	4868369	10.921	ppbv	99
54) 1,2-Dibromoethane	10.63	107	2457091	10.858	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1825453	8.042	ppbv	99
57) Chlorobenzene	12.16	112	3599156	7.961	ppbv	98
58) Ethyl Benzene	12.72	91	6237130	8.250	ppbv	99
59) m/p-Xylene	13.01	91	5712312	8.716	ppbv #	41
60) o-Xylene	13.71	91	4861210	7.947	ppbv	100
61) Styrene	13.54	104	2817097	8.865	ppbv	99
62) Isopropylbenzene	14.68	105	6775758	7.848	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3367427	7.407	ppbv	97
64) n-propylbenzene	15.57	120	1045861	4.760	ppbv #	1
65) tert-Butylbenzene	16.76	119	5938348	7.553	ppbv	99
66) Benzyl Chloride	17.00	91	376208	10.577	ppbv	94
67) sec-Butylbenzene	17.30	105	8200292	7.464	ppbv	99
69) p-Isopropyltoluene	17.66	119	6935589	7.747	ppbv	100
70) n-Butylbenzene	18.56	91	6877369	8.038	ppbv	100
71) 2-Chlorotoluene	15.47	91	4879585	7.707	ppbv	98
72) 4-Ethyltoluene	15.85	105	6021859	8.276	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5149297	7.603	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	5494546	7.634	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3475752	8.023	ppbv	96
76) 1,4-Dichlorobenzene	17.15	146	3381899	7.749	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3274244	7.675	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2555637	7.206	ppbv	99
79) Naphthalene	22.20	128	4420296	9.178	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	1526200	11.375	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2667883	8.827	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :
MSVOA_L
ClientSampleId :

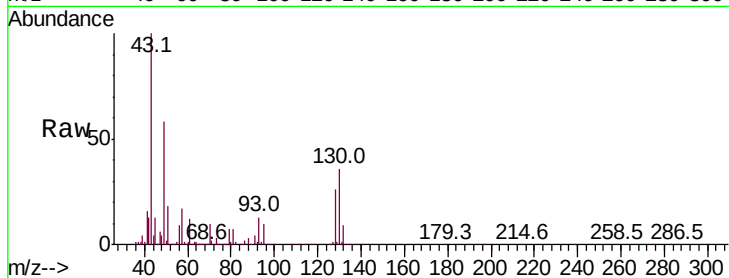
Tot Ion: 49 Resp: 1561645

Ion	Ratio	Lower	Upper
49	100		
128	54.2	27.5	82.4
130	65.9	34.0	101.8

49 100

128 54.2 27.5 82.4

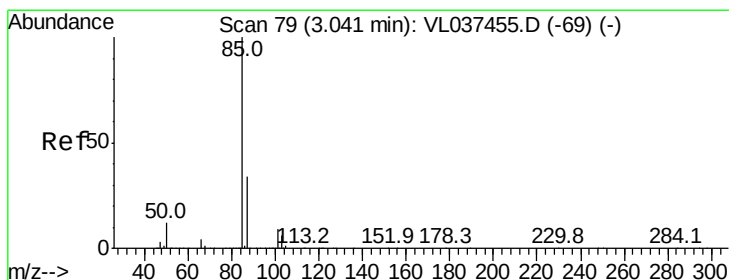
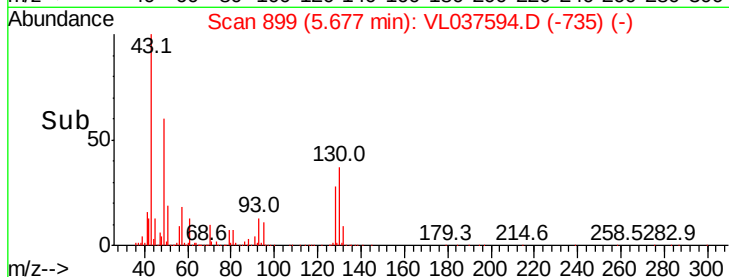
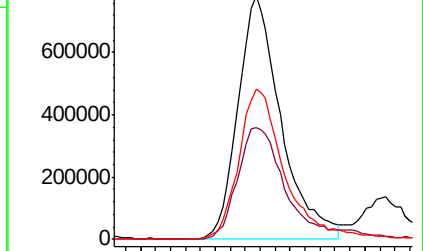
130 65.9 34.0 101.8



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: 7.031 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037594.D

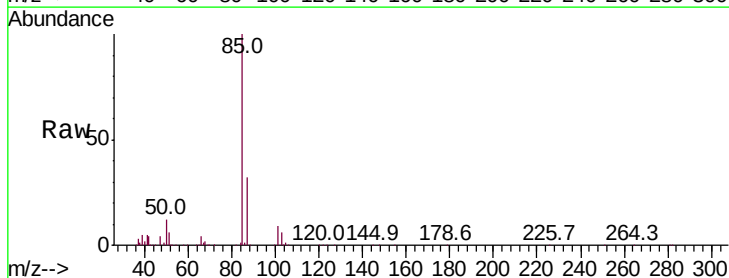
Acq: 9 Sep 2021 11:52

Tgt Ion: 85 Resp: 1761744

Ion	Ratio	Lower	Upper
85	100		
87	31.8	27.6	41.4

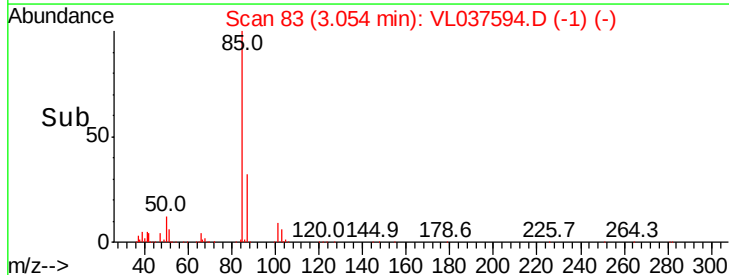
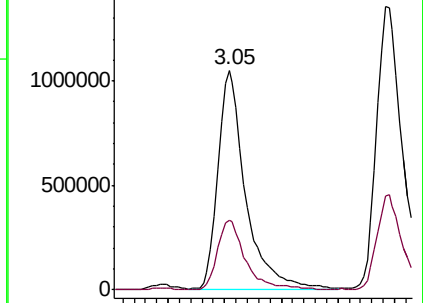
85 100

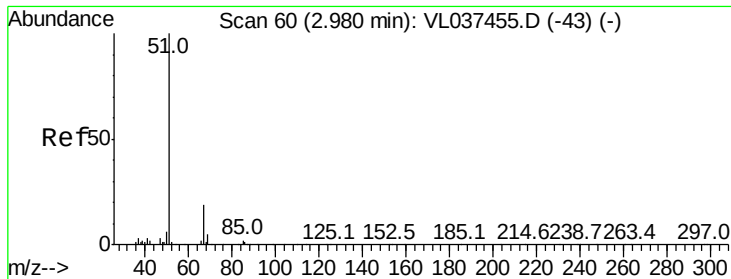
87 31.8 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.827 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

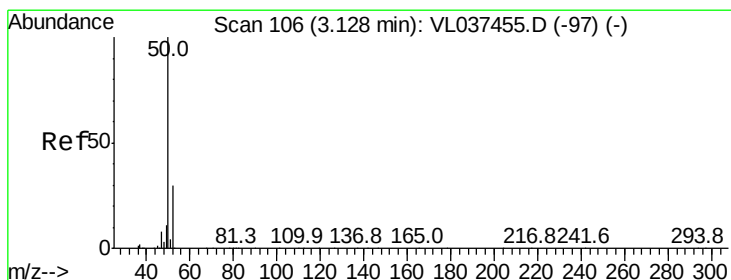
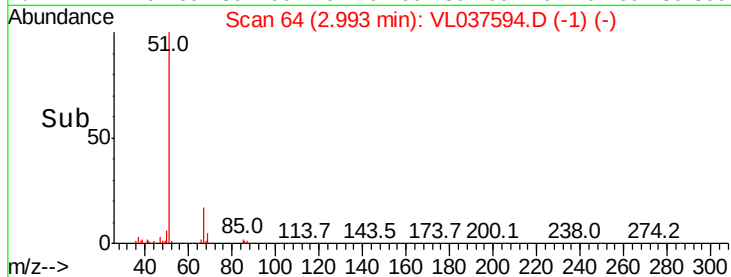
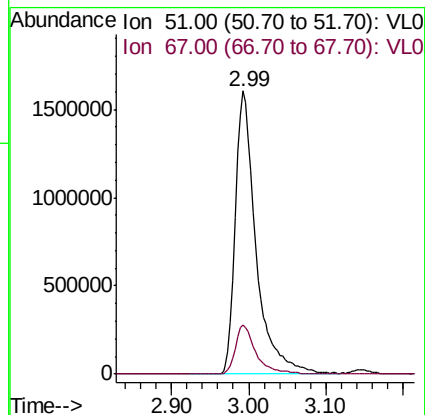
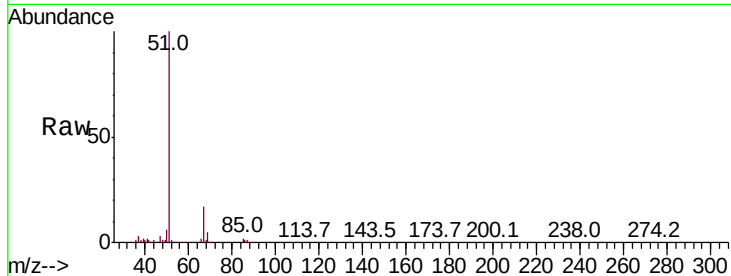
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 2938636

Ion Ratio Lower Upper

51 100

67 17.3 14.2 21.2



#4

Chloromethane

Concen: 10.333 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL037594.D

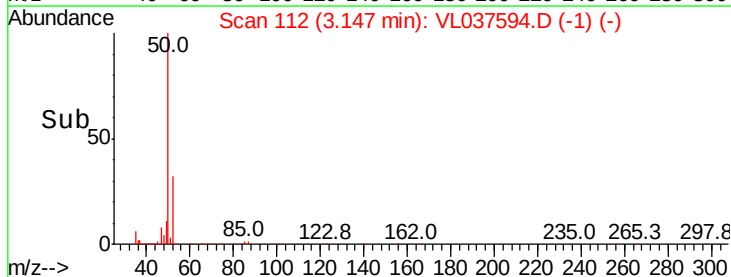
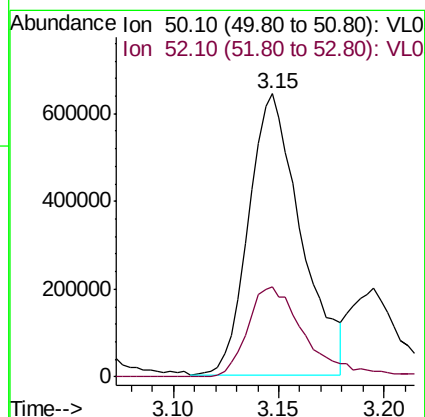
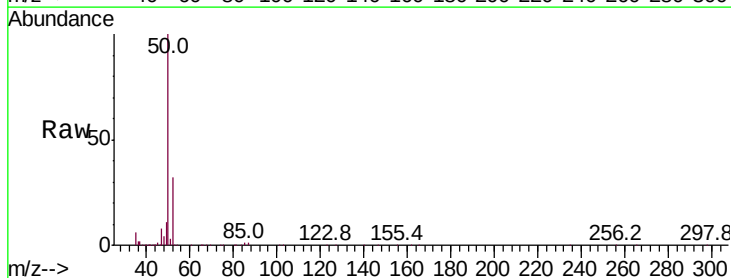
Acq: 9 Sep 2021 11:52

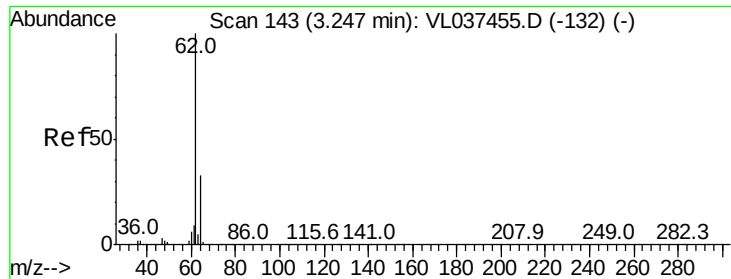
Tgt Ion: 50 Resp: 1104161

Ion Ratio Lower Upper

50 100

52 31.9 24.0 36.0





#5

Vinyl Chloride

Concen: 10.278 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

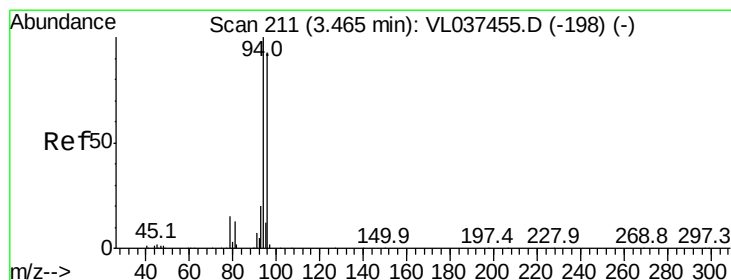
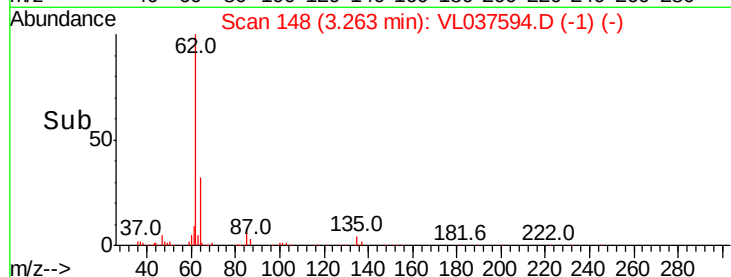
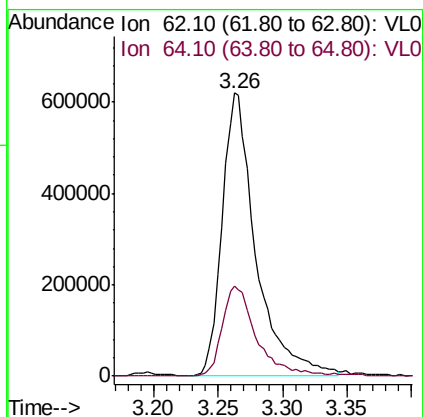
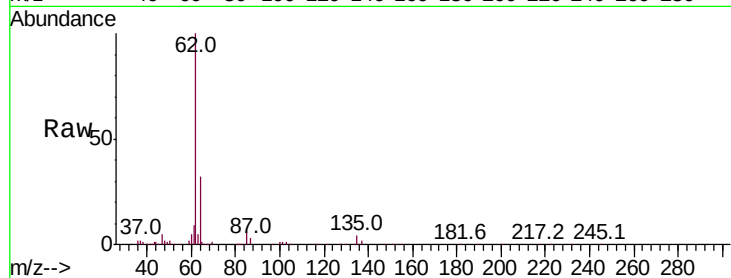
ClientSampleId :

Tot Ion: 62 Resp: 1125252

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7



#6

Bromomethane

Concen: 9.621 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037594.D

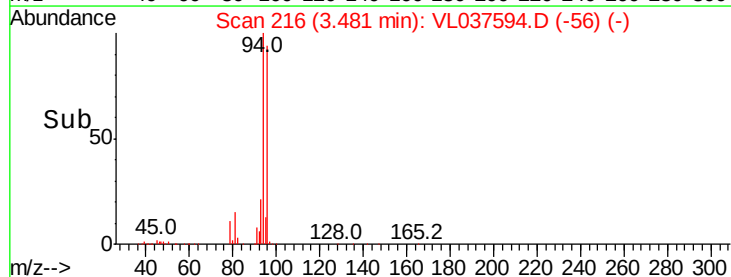
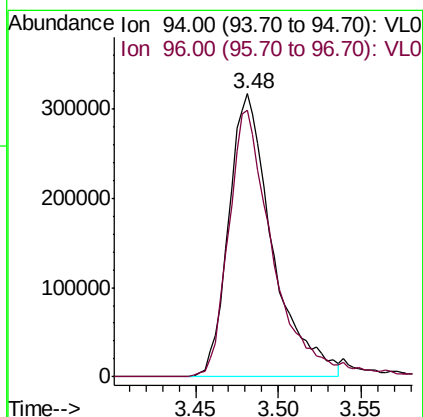
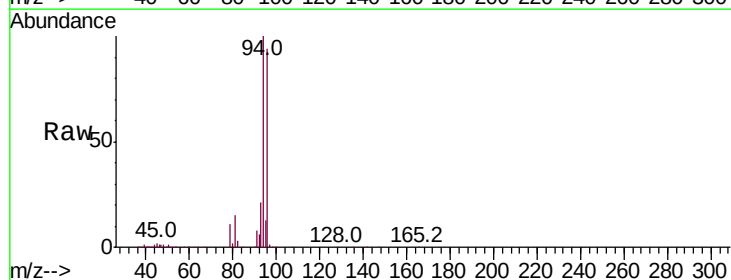
Acq: 9 Sep 2021 11:52

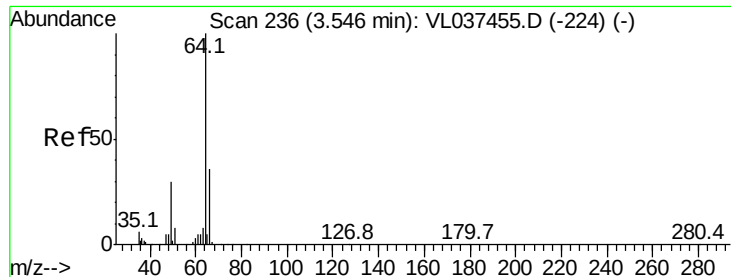
Tgt Ion: 94 Resp: 577006

Ion Ratio Lower Upper

94 100

96 94.4 74.5 111.7





#7

Chloroethane

Concen: 9.930 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

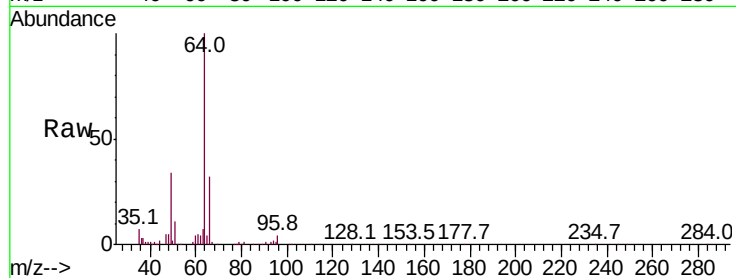
ClientSampleId :

Tot Ion: 64 Resp: 371033

Ion Ratio Lower Upper

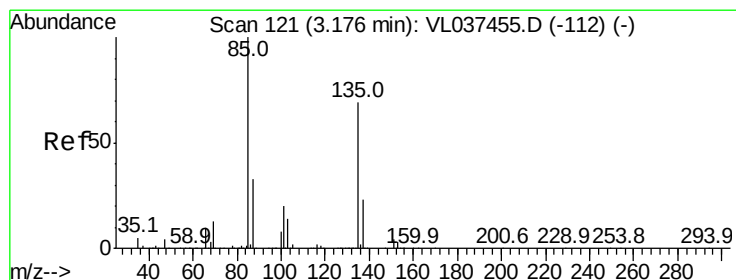
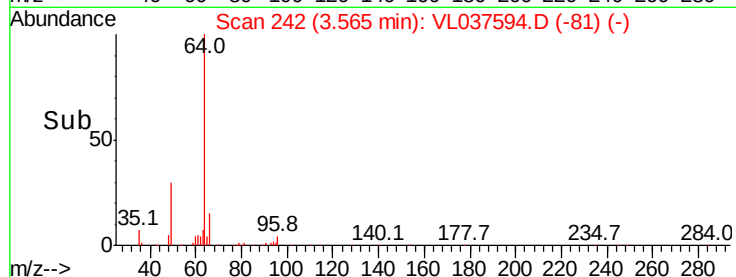
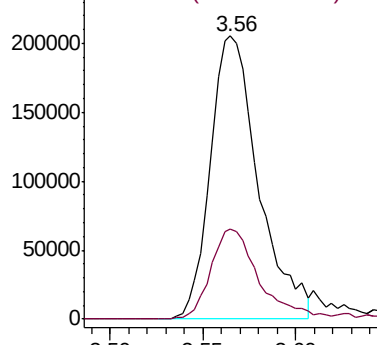
64 100

66 31.9 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.825 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037594.D

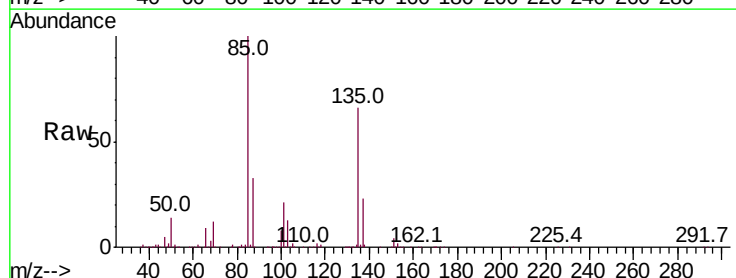
Acq: 9 Sep 2021 11:52

Tgt Ion: 85 Resp: 2282801

Ion Ratio Lower Upper

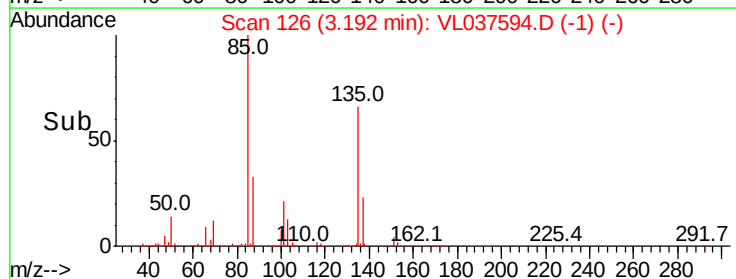
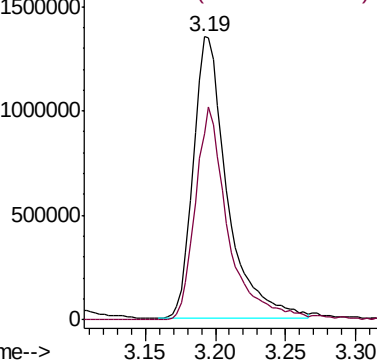
85 100

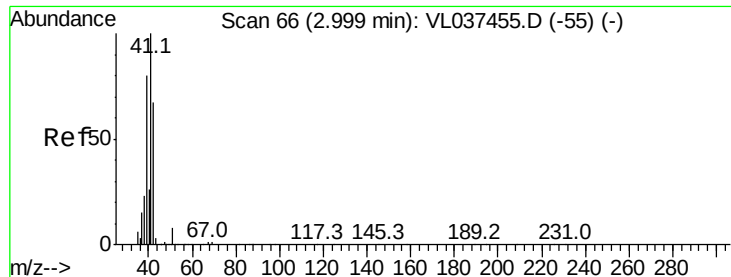
135 74.3 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.504 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

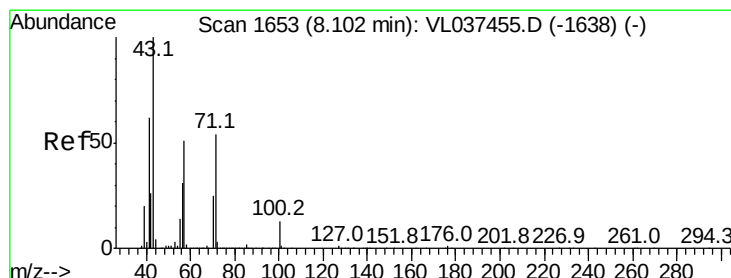
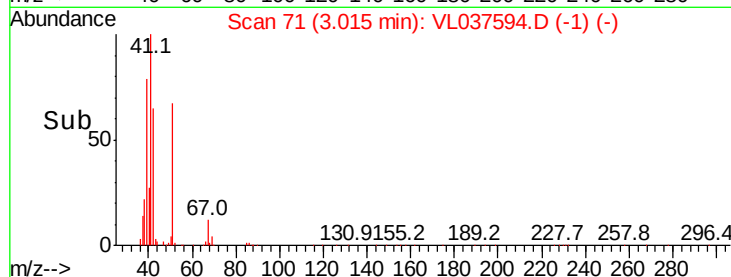
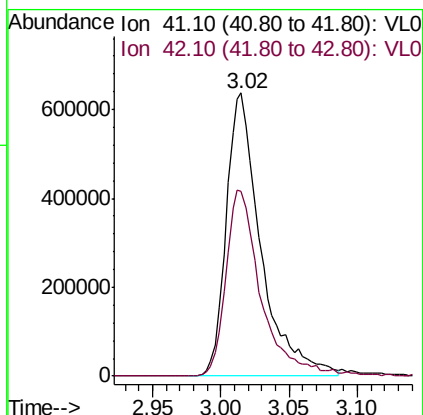
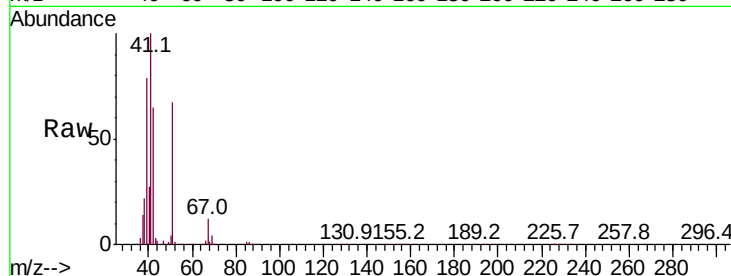
ClientSampleId :

Tot Ion: 41 Resp: 1123865

Ion Ratio Lower Upper

41 100

42 67.4 53.7 80.5



#10

Heptane

Concen: 11.264 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.04 min

Lab File: VL037594.D

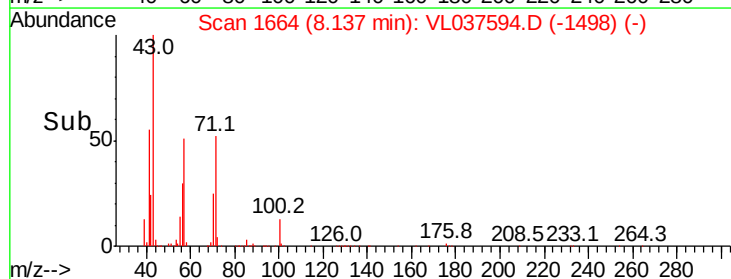
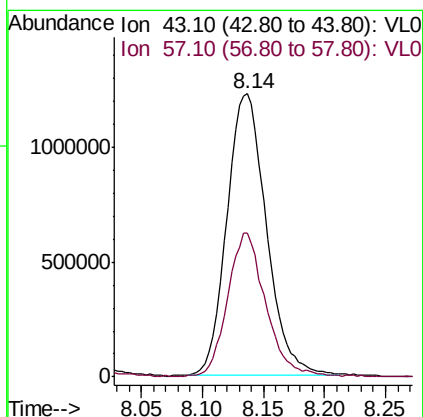
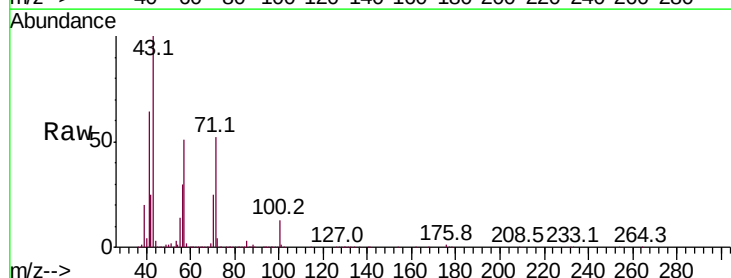
Acq: 9 Sep 2021 11:52

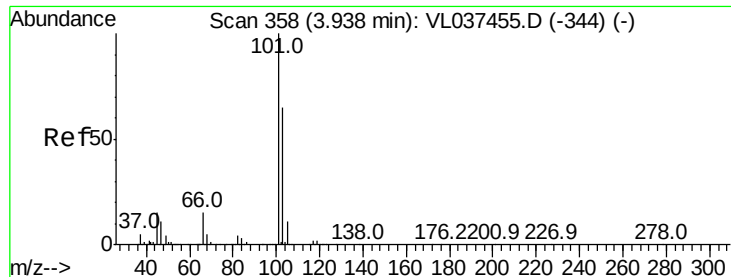
Tgt Ion: 43 Resp: 2773961

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6

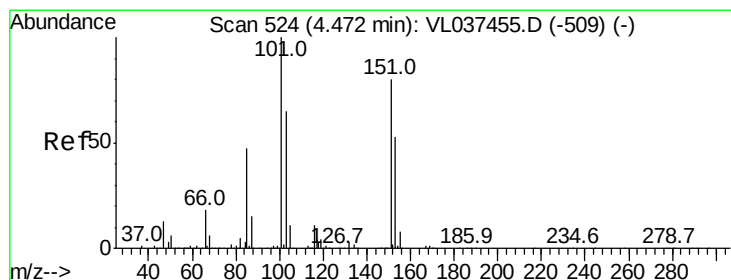
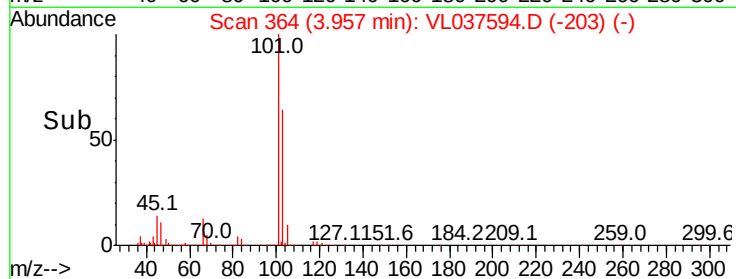
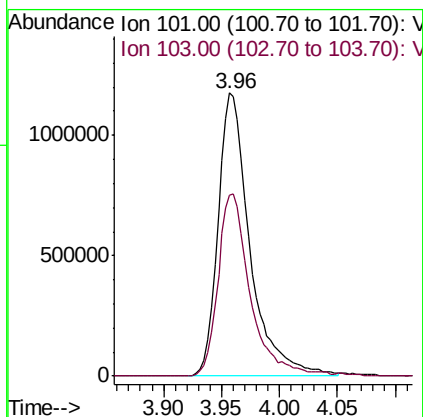
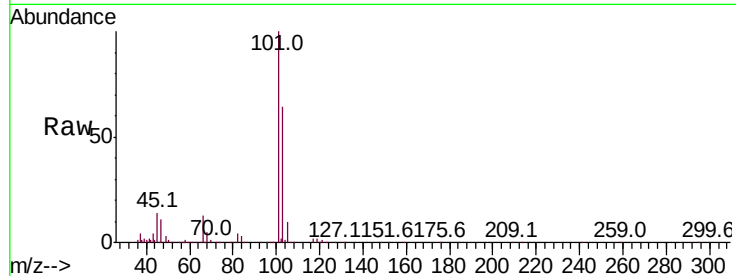




#11
 Trichlorofluoromethane
 Concen: 9.568 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

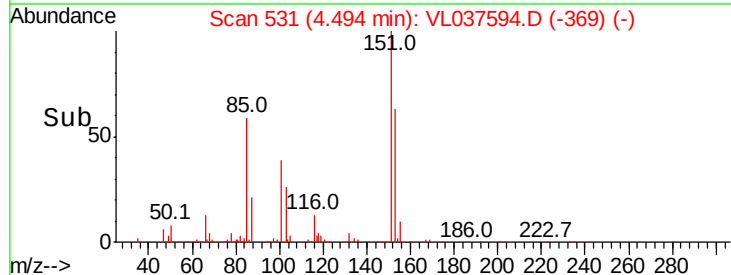
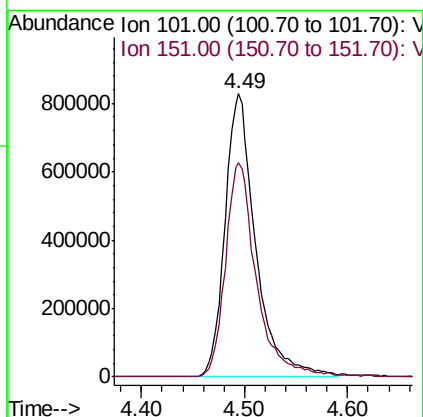
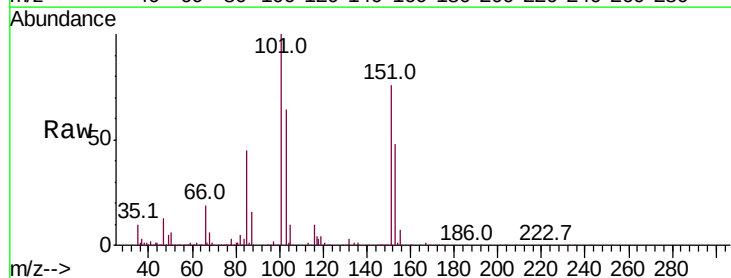
Instrument :
 MSVOA_L
 ClientSampleId :

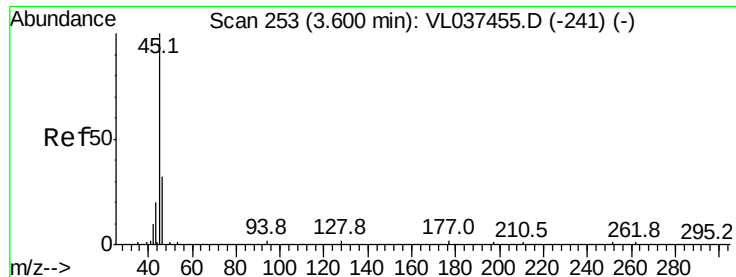
Tot Ion:101 Resp: 2250482
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.937 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion:101 Resp: 1715039
 Ion Ratio Lower Upper
 101 100
 151 76.9 63.7 95.5

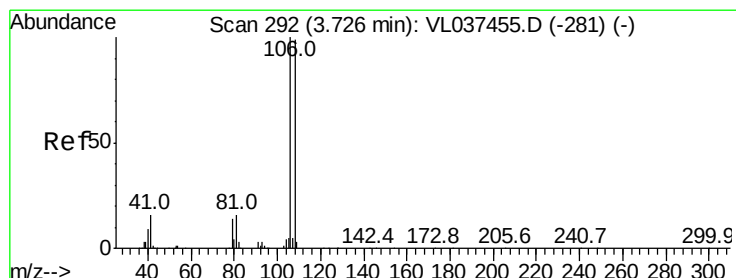
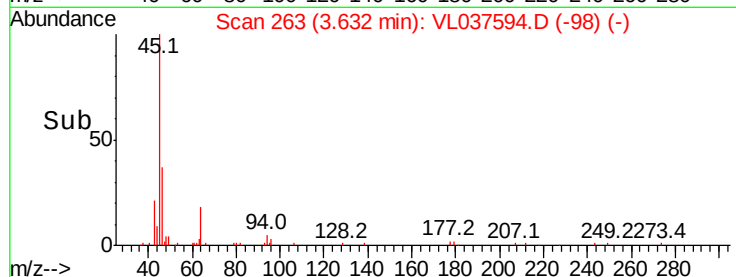
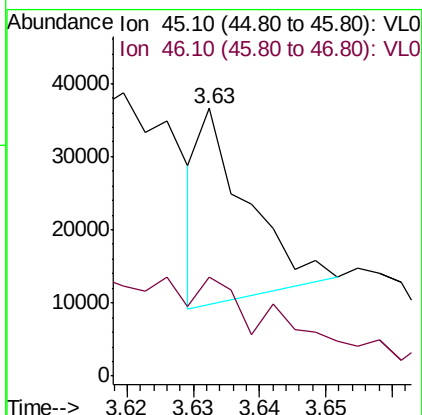
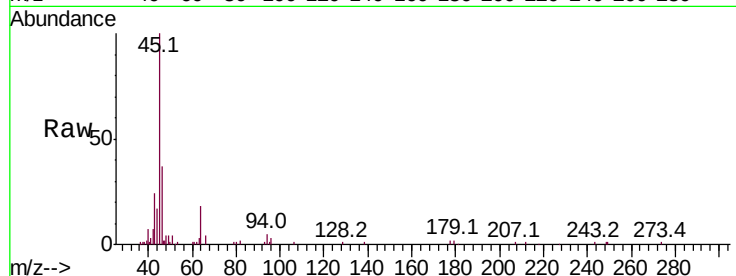




#13
Ethanol
Concen: 1.296 ppbv
RT: 3.63 min Scan# 263
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

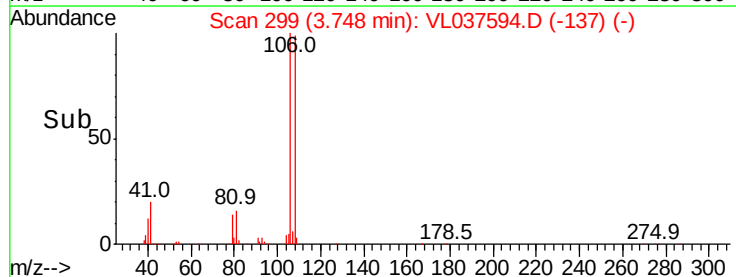
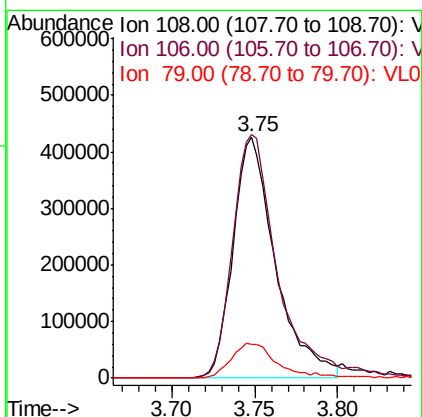
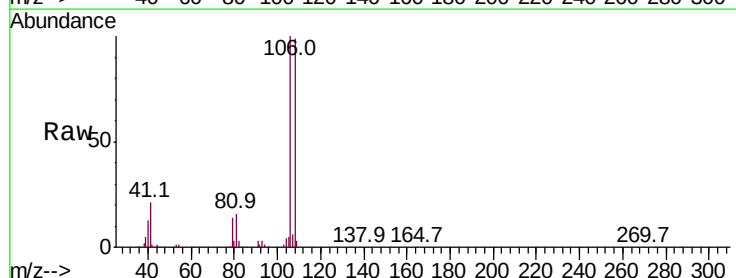
Instrument :
MSVOA_L
ClientSampled :

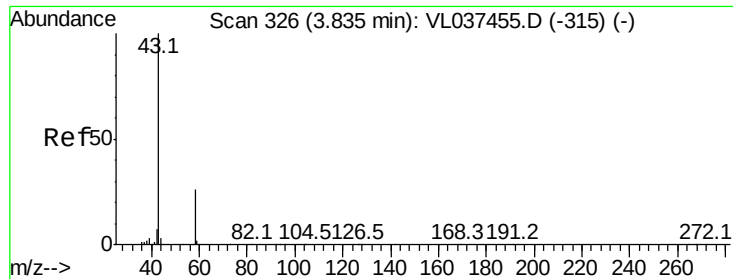
Tot Ion: 45 Resp: 13494
Ion Ratio Lower Upper
45 100
46 306.2 14.1 56.5#



#14
Bromoethene
Concen: 9.695 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 108 Resp: 759644
Ion Ratio Lower Upper
108 100
106 109.2 85.8 128.8
79 16.1 12.6 18.8





#15

Acetone

Concen: 8.820 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

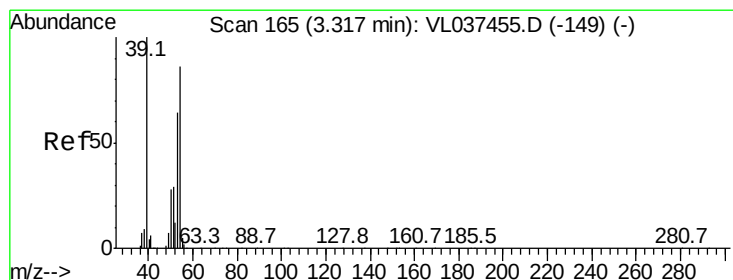
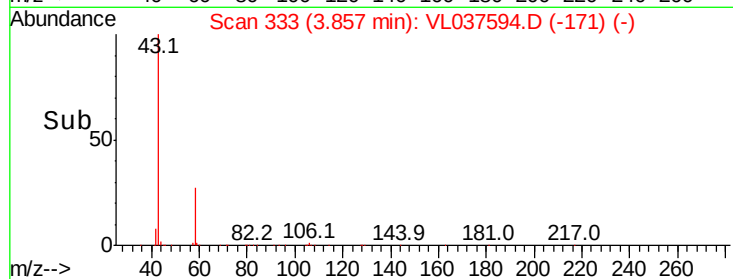
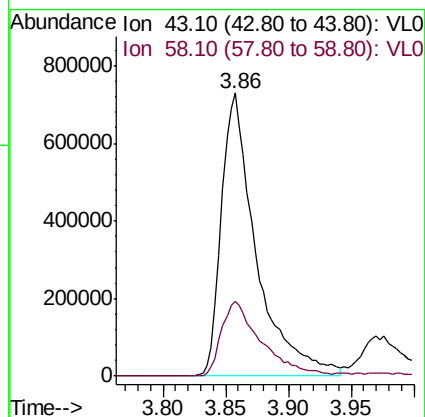
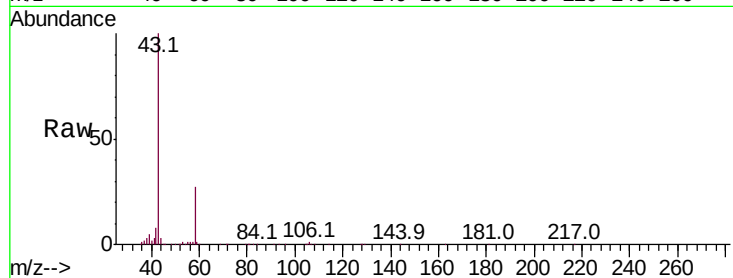
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1401837

Ion Ratio Lower Upper

43 100

58 31.3 24.8 37.2



#16

1,3-Butadiene

Concen: 10.434 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.02 min

Lab File: VL037594.D

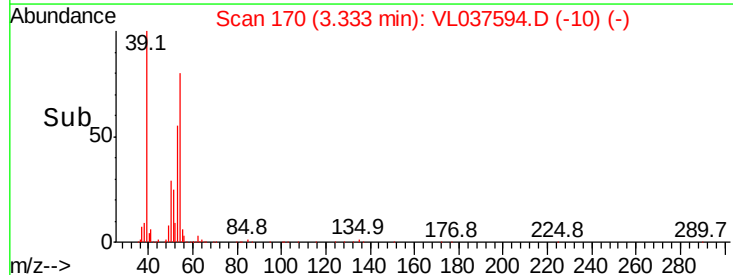
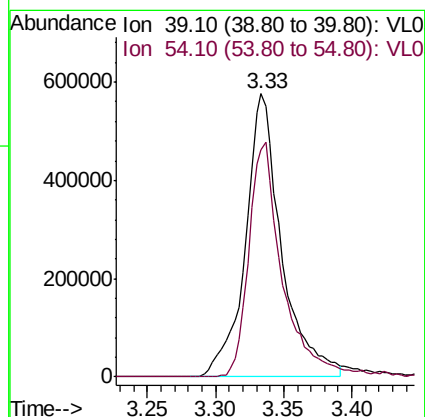
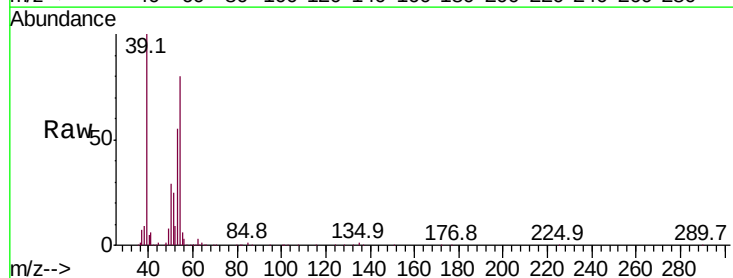
Acq: 9 Sep 2021 11:52

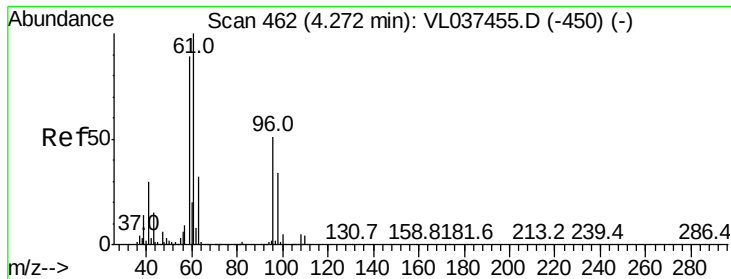
Tgt Ion: 39 Resp: 1063748

Ion Ratio Lower Upper

39 100

54 78.1 63.7 95.5



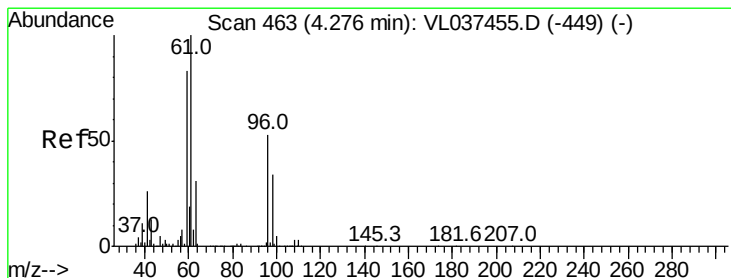
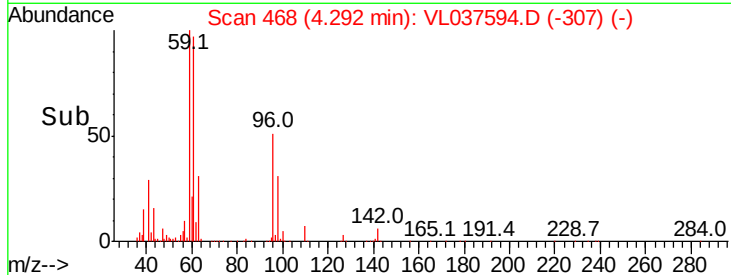
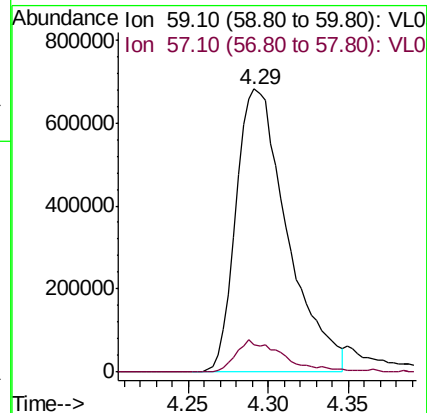
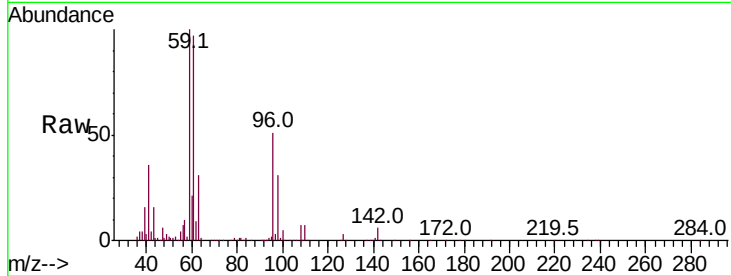


#17

tert-Butyl alcohol
Concen: 10.298 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Instrument :
MSVOA_L
ClientSampled :

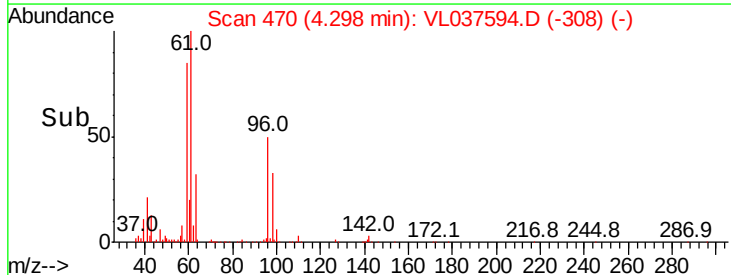
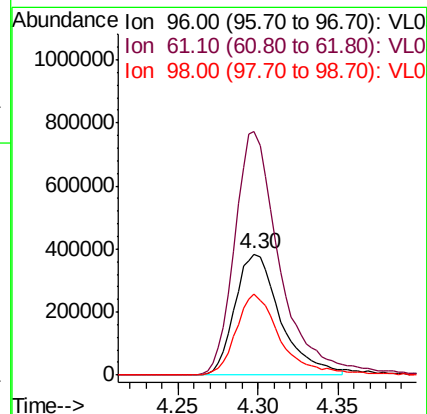
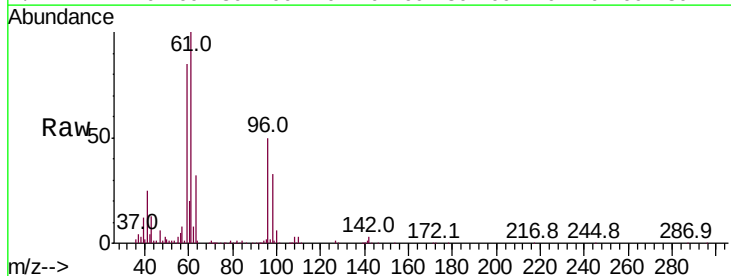
Tot Ion: 59 Resp: 1495073
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

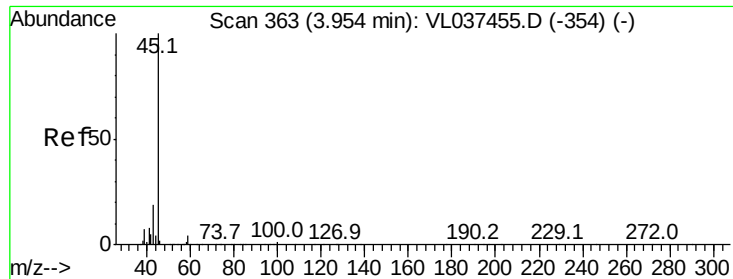


#18

1,1-Dichloroethene
Concen: 9.544 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 96 Resp: 748244
Ion Ratio Lower Upper
96 100
61 200.4 151.1 226.7
98 66.3 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.673 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

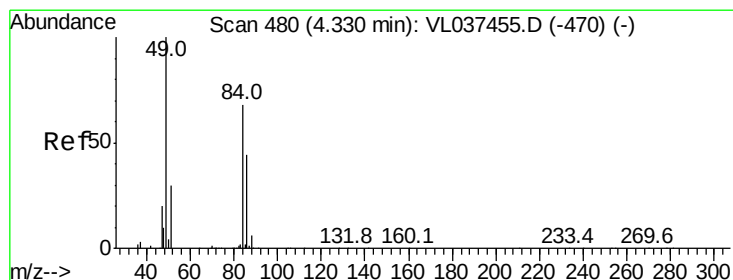
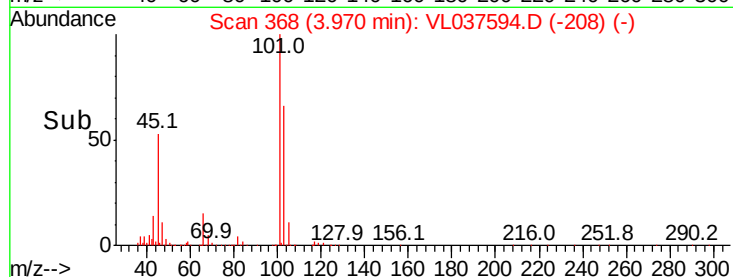
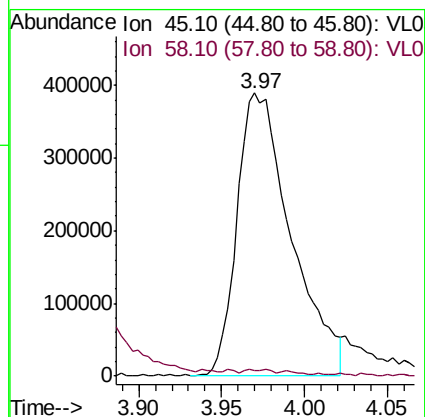
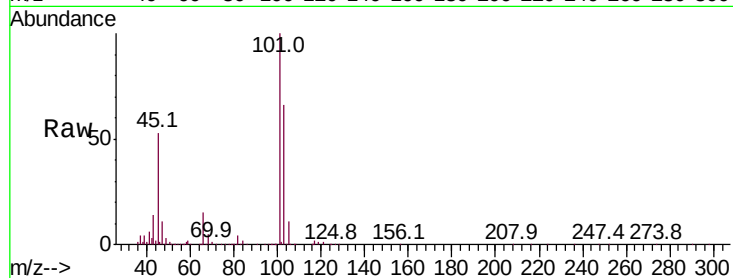
ClientSampleId :

Tot Ion: 45 Resp: 880719

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



#20

Methylene Chloride

Concen: 8.219 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion: 84 Resp: 653983

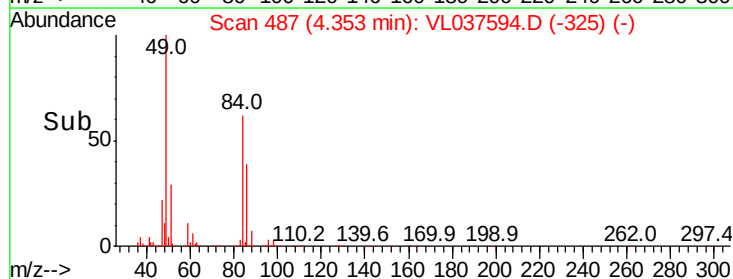
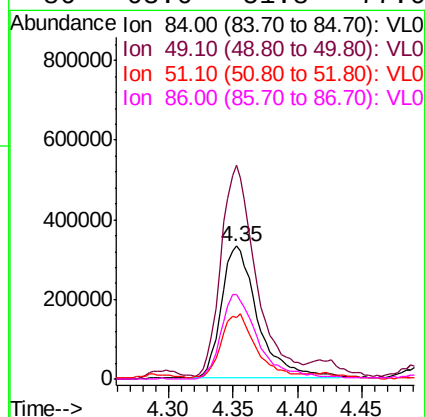
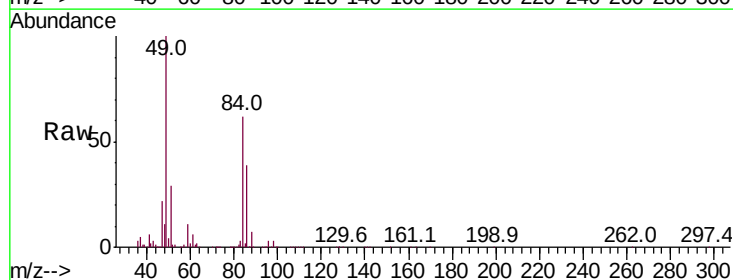
Ion Ratio Lower Upper

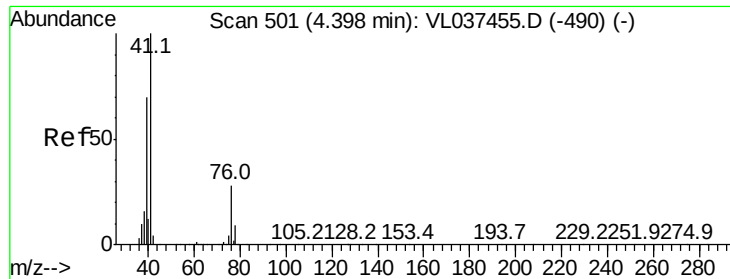
84 100

49 158.1 118.2 177.2

51 45.6 36.6 55.0

86 63.6 51.8 77.6

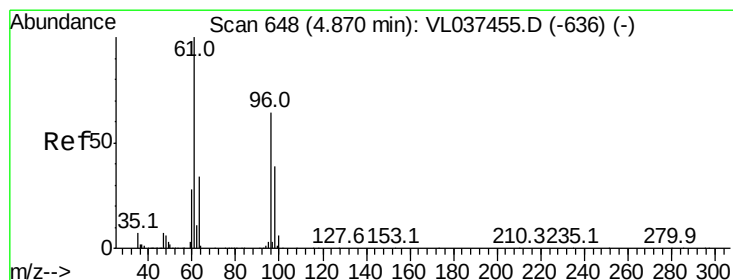
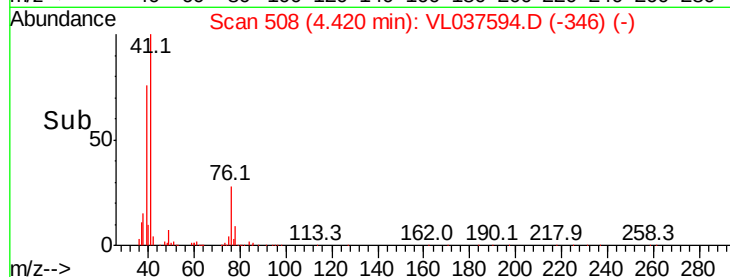
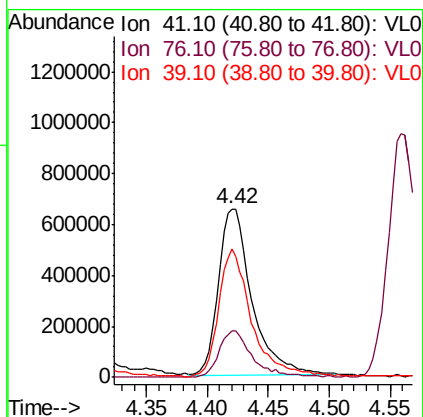
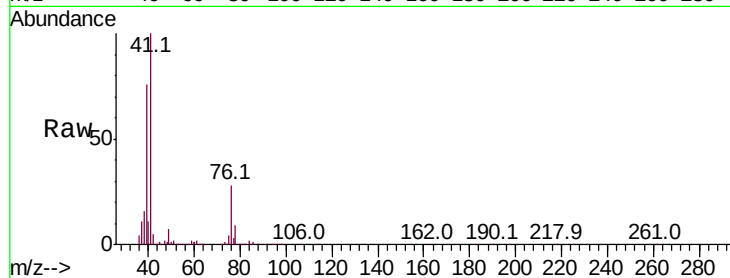




#21
 Allvl Chloride
 Concen: 9.871 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.02 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

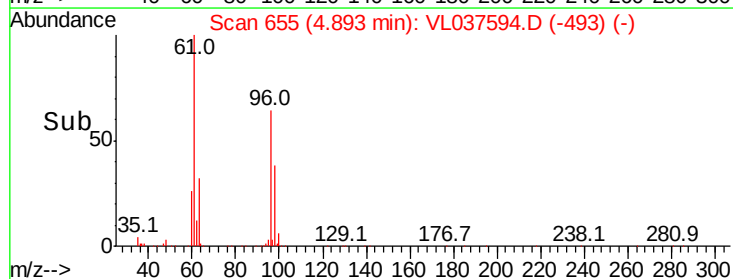
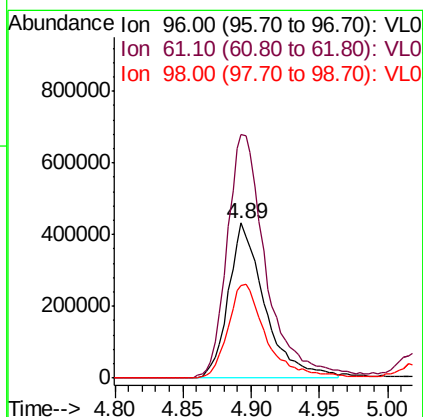
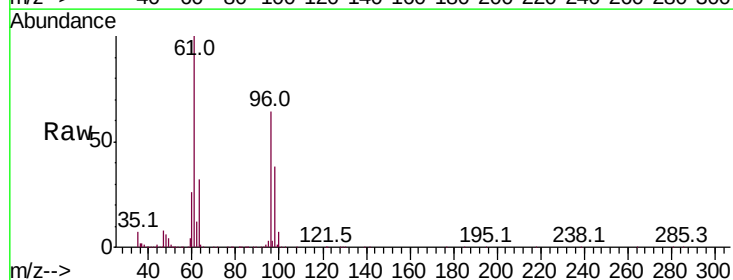
Instrument :
 MSVOA_L
 ClientSampleId :

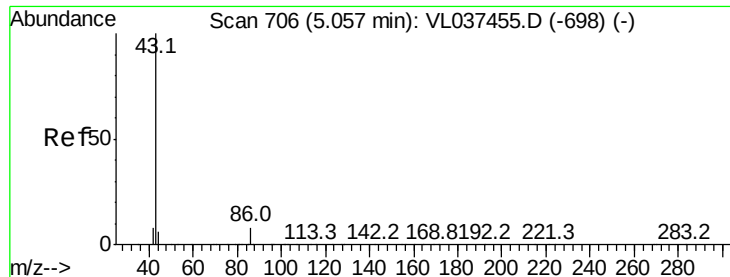
Tot Ion: 41 Resp: 1274260
 Ion Ratio Lower Upper
 41 100
 76 28.1 21.8 32.6
 39 75.0 56.8 85.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.283 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 96 Resp: 804292
 Ion Ratio Lower Upper
 96 100
 61 157.0 125.5 188.3
 98 59.7 49.0 73.4



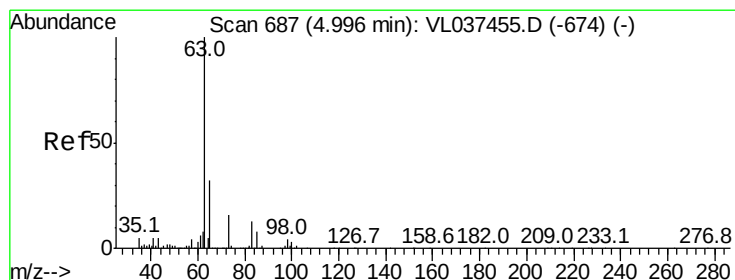
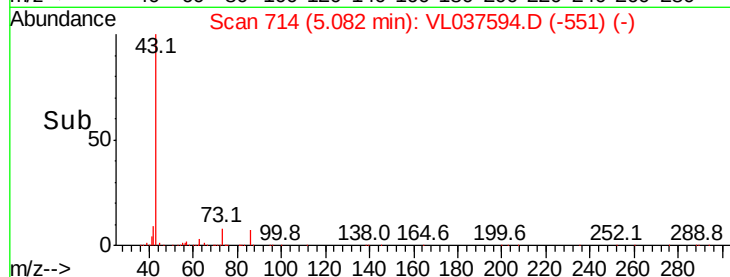
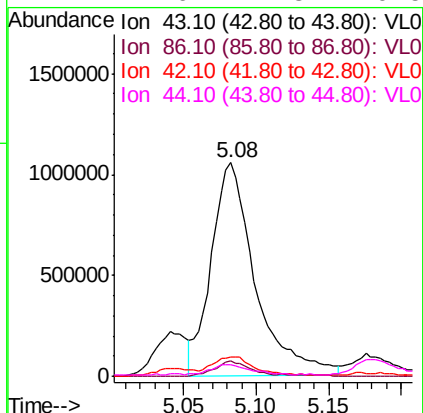
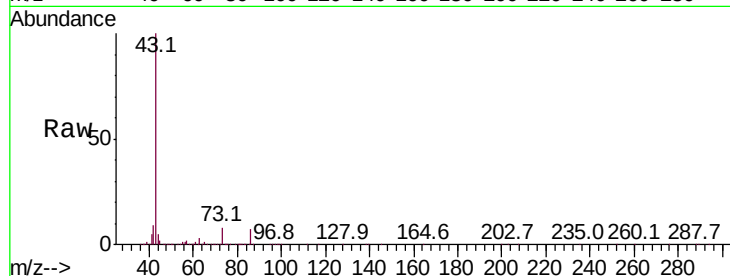


#23
 Vinyl Acetate
 Concen: 9.458 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2215627

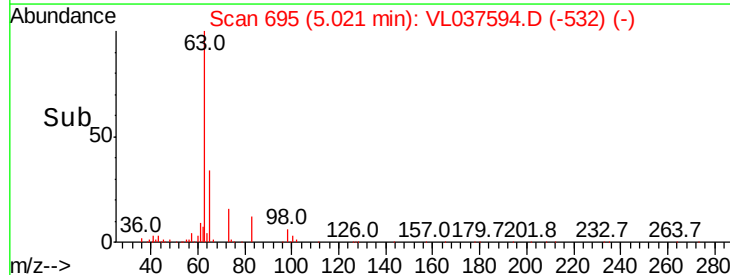
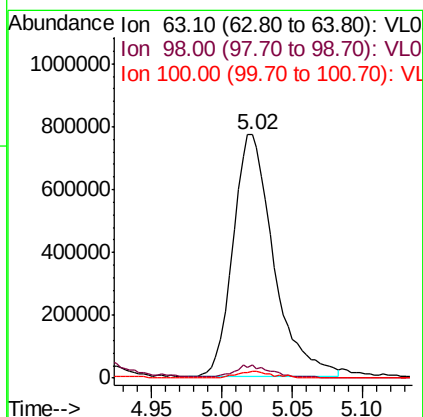
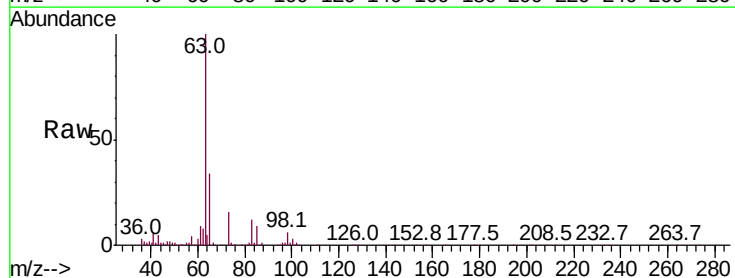
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5
42	8.9	7.4	11.2
44	4.6	4.3	6.5

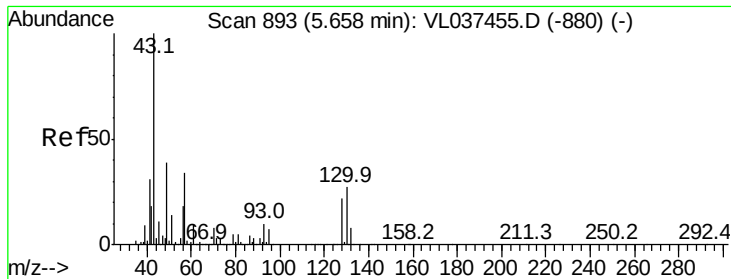


#24
 1,1-Dichloroethane
 Concen: 9.155 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 63 Resp: 1555408

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.1	6.3
100	2.9	1.6	4.7



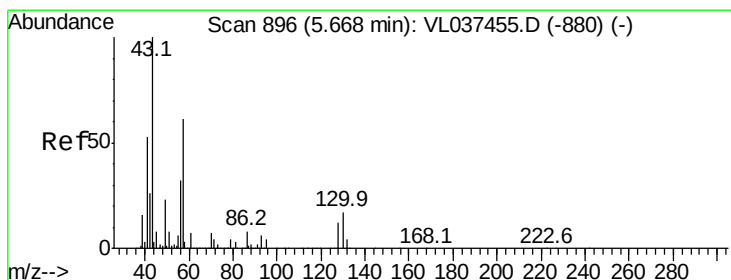
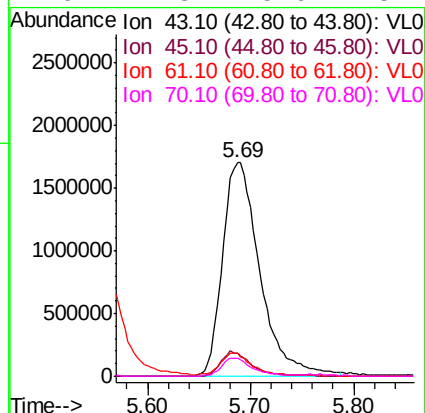
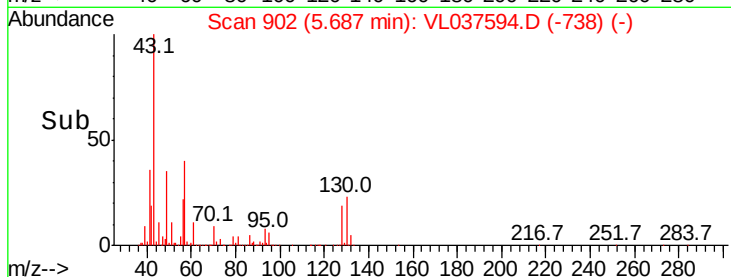
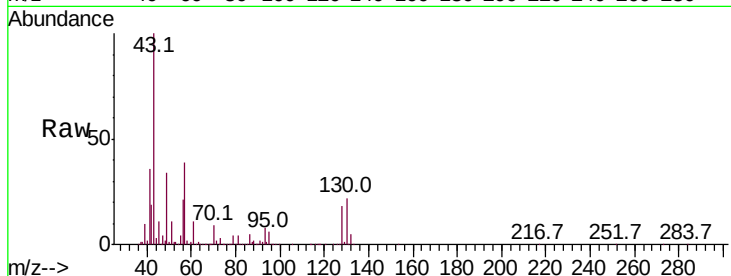


#25
Ethyl Acetate
Concen: 10.591 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4273122

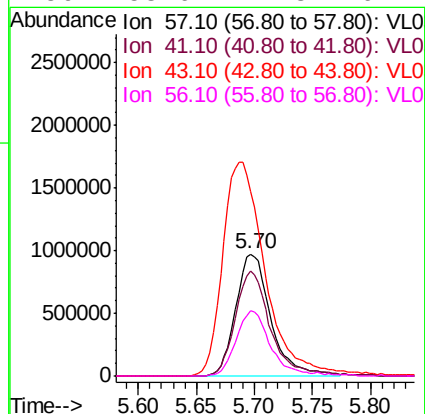
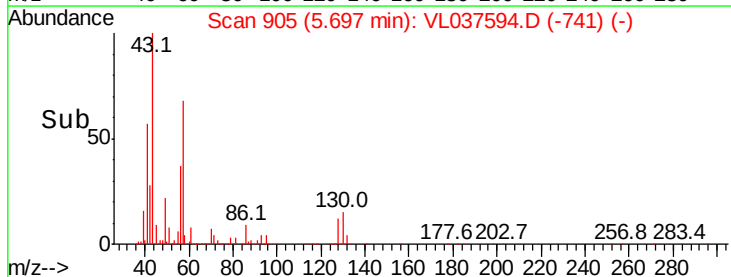
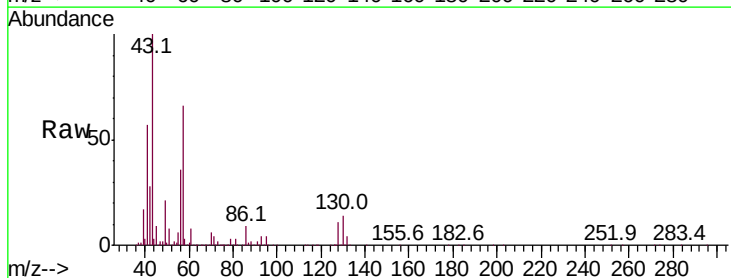
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.0	12.0
61	9.4	8.0	12.0
70	7.3	5.6	8.4

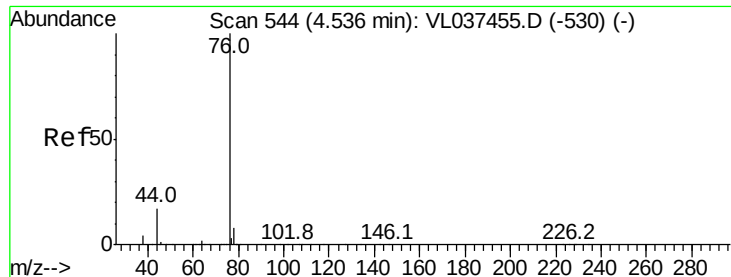


#26
Hexane
Concen: 10.276 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 57 Resp: 2027046

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.3	108.5
43	213.5	172.3	258.5
56	53.6	42.8	64.2





#27

Carbon Disulfide

Concen: 10.421 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

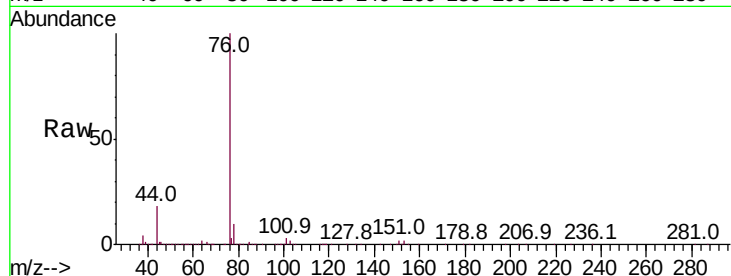
Tot Ion: 76 Resp: 1831946

Ion Ratio Lower Upper

76 100

44 17.4 13.9 20.9

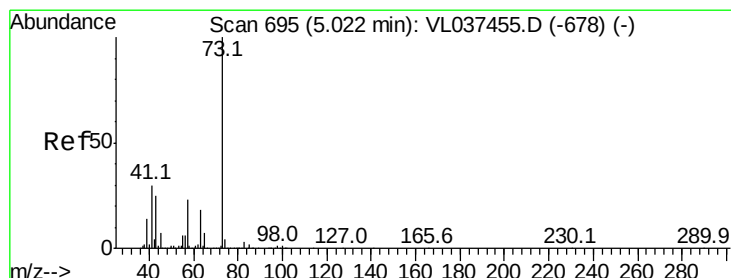
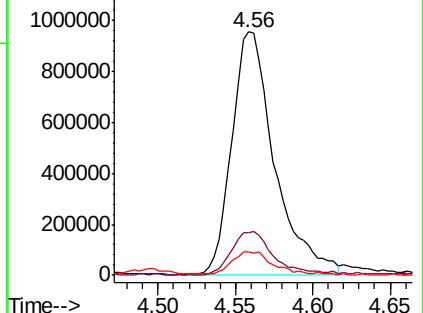
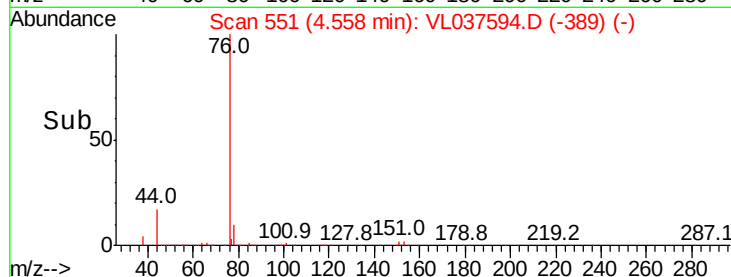
78 10.0 7.9 11.9



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: 8.964 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL037594.D

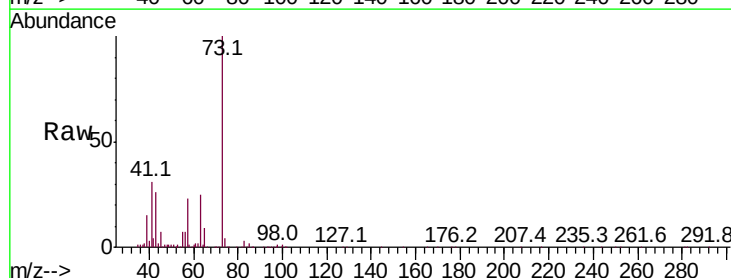
Acq: 9 Sep 2021 11:52

Tgt Ion: 73 Resp: 1698300

Ion Ratio Lower Upper

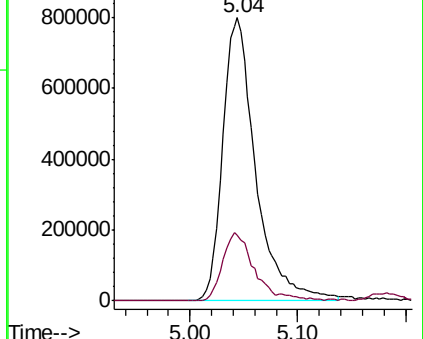
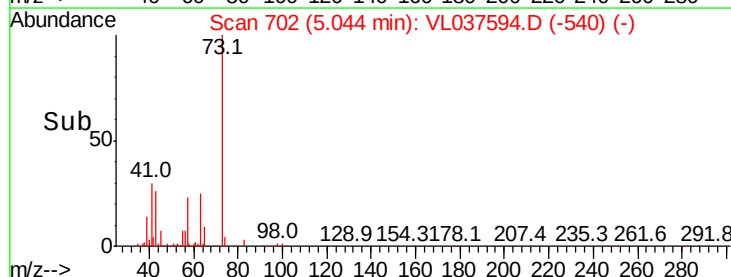
73 100

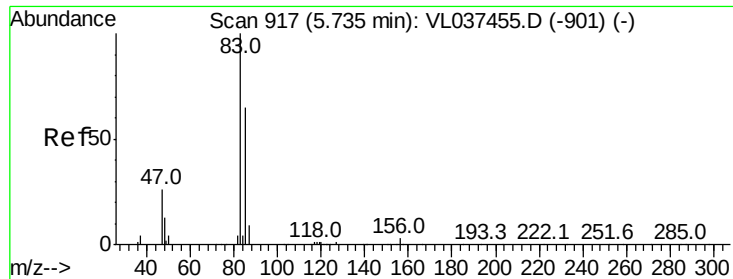
57 23.6 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

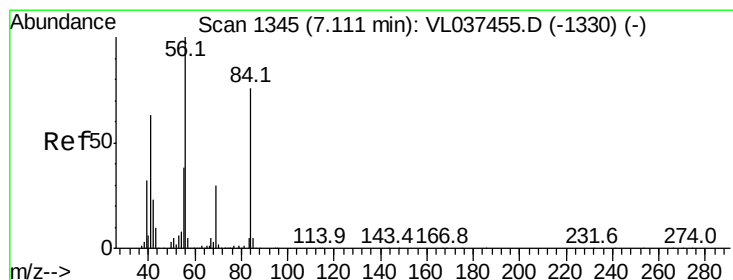
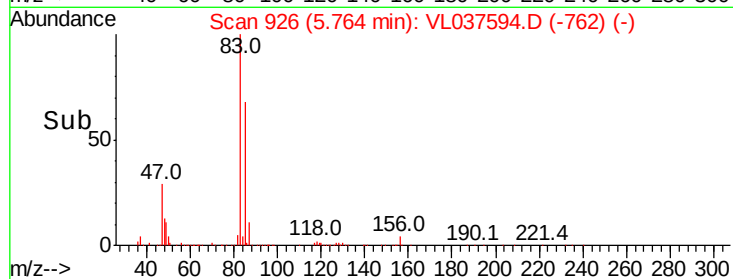
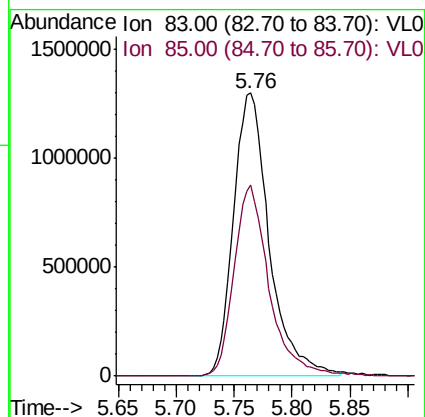
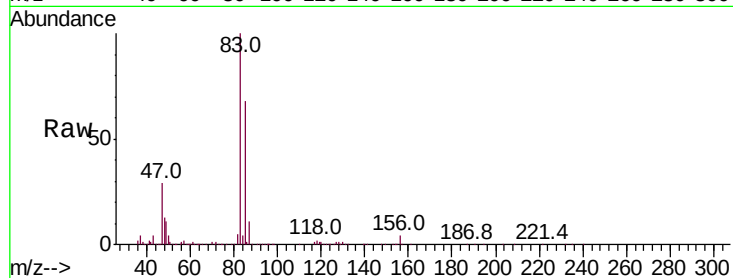




#29
Chloroform
Concen: 9.943 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

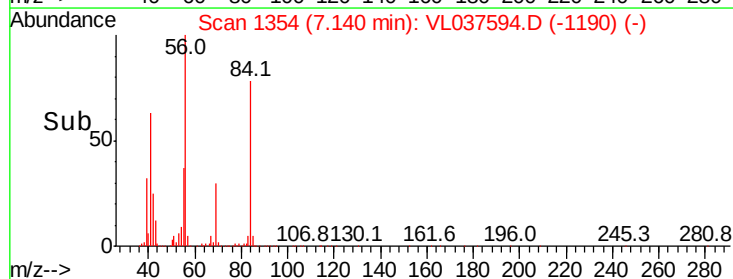
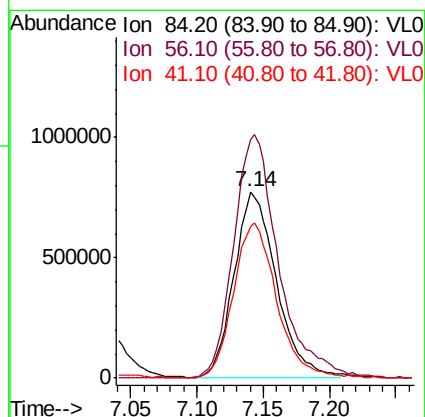
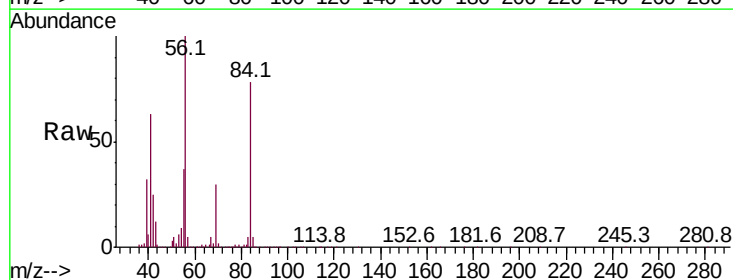
Instrument :
MSVOA_L
ClientSampled :

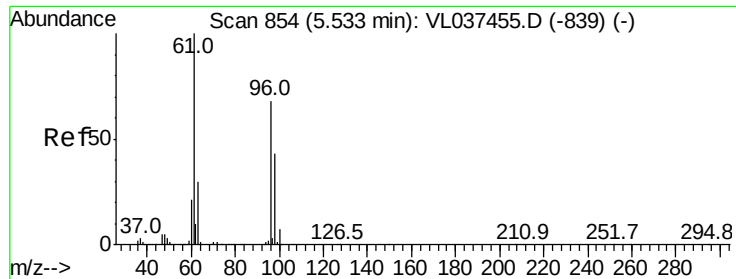
Tot Ion: 83 Resp: 2779634
Ion Ratio Lower Upper
83 100
85 67.5 52.3 78.5



#30
Cyclohexane
Concen: 10.498 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 84 Resp: 1725462
Ion Ratio Lower Upper
84 100
56 138.9 110.6 165.8
41 85.3 67.0 100.6



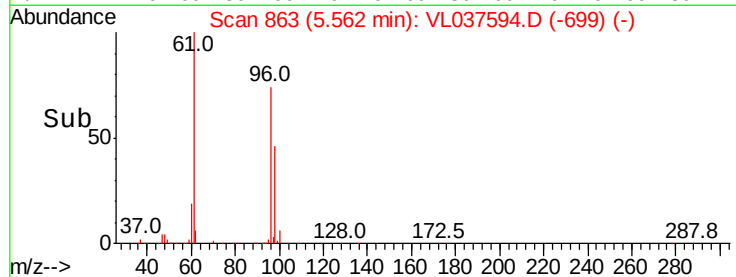
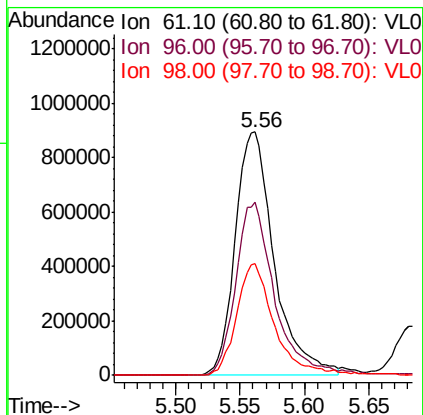
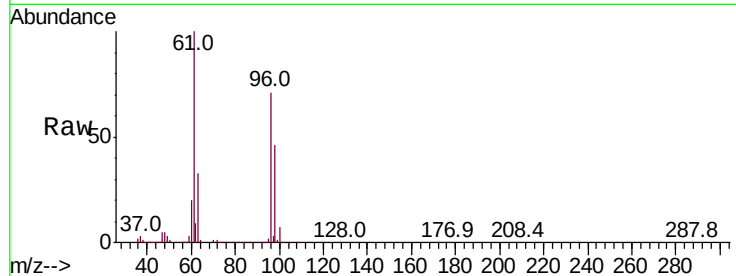


#31

cis-1,2-Dichloroethene
Concen: 10.514 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Instrument :
MSVOA_L
ClientSampled :

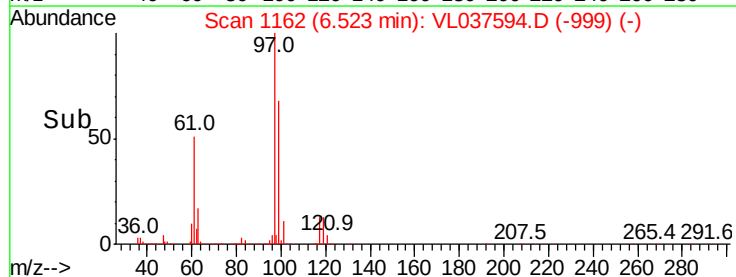
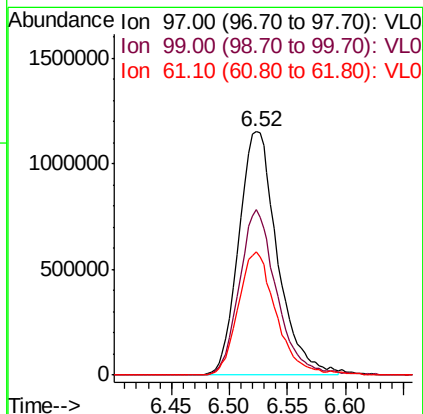
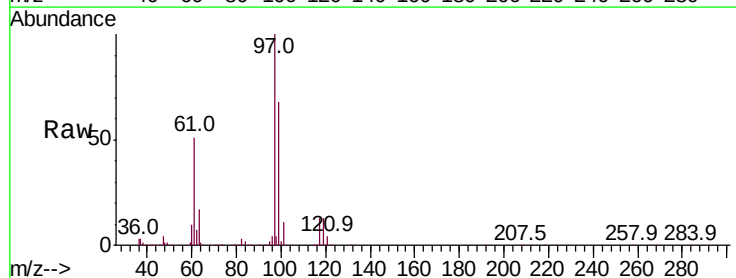
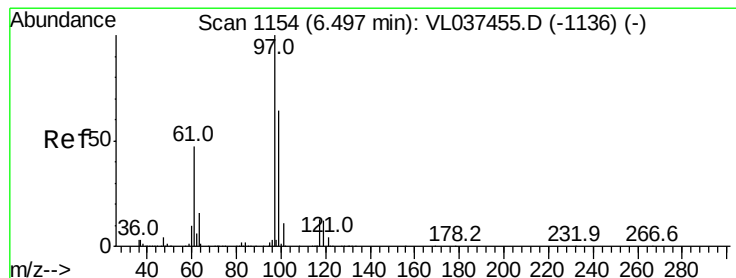
Tot Ion: 61 Resp: 1877100
Ion Ratio Lower Upper
61 100
96 71.0 54.8 82.2
98 46.0 34.2 51.2

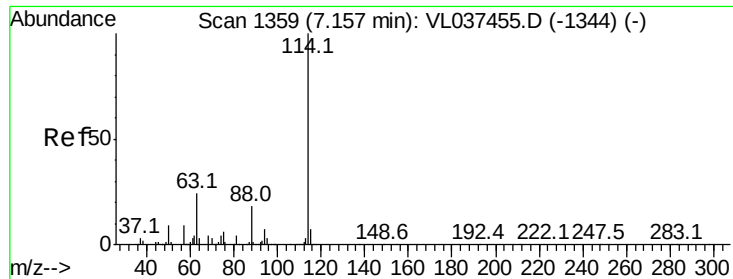


#32

1,1,1-Trichloroethane
Concen: 9.745 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 97 Resp: 2676867
Ion Ratio Lower Upper
97 100
99 65.9 51.8 77.6
61 50.1 39.6 59.4

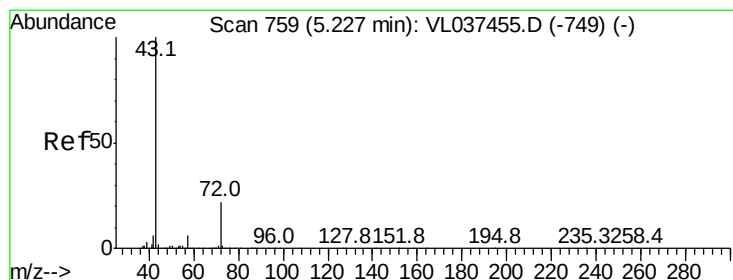
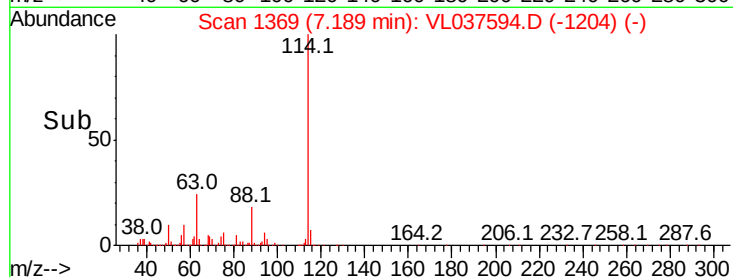
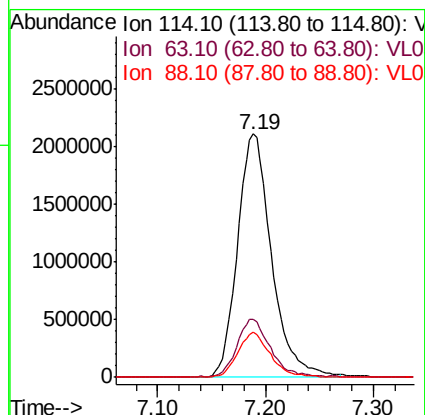
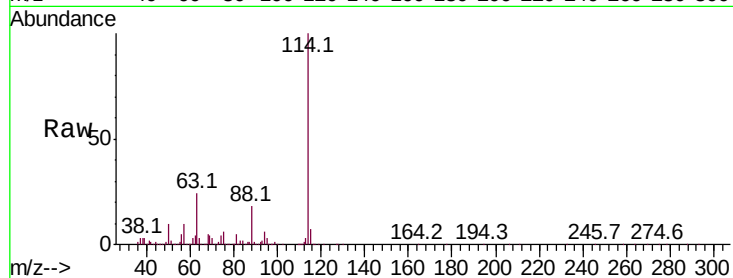




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

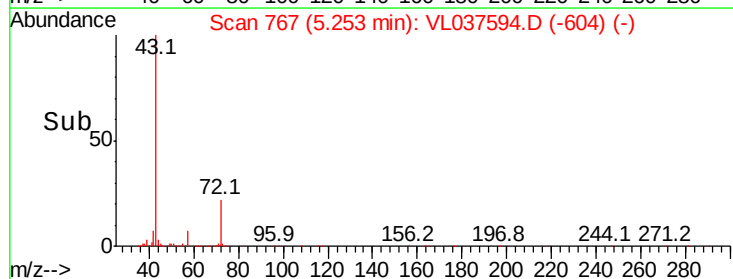
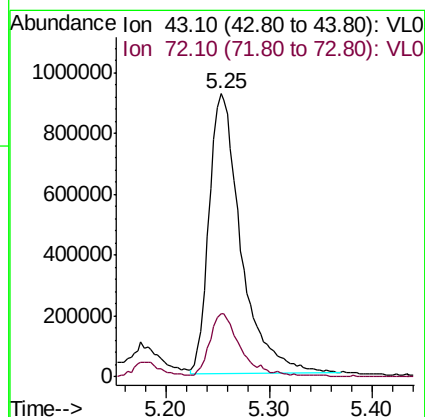
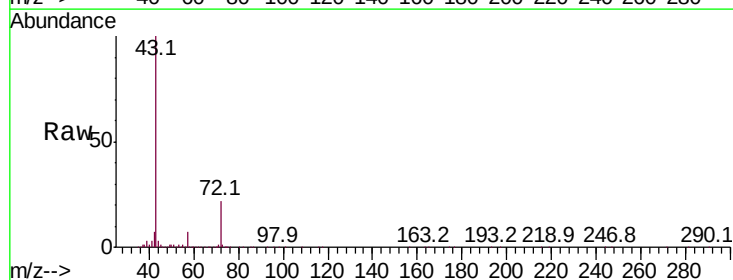
Instrument :
 MSVOA_L
 ClientSampleId :

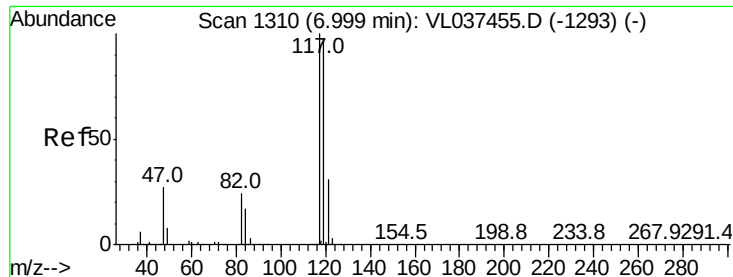
Tot Ion:114 Resp: 4644297
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.3 28.9
 88 18.0 14.2 21.4



#34
 2-Butanone
 Concen: 10.472 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 43 Resp: 1985939
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.047 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

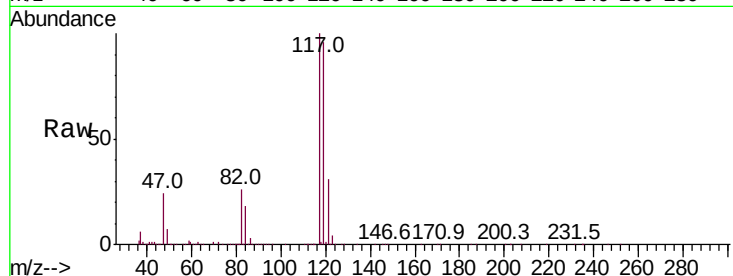
Tot Ion:117 Resp: 2757587

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	31.4	25.2	37.8

117 100

119 96.2 77.3 115.9

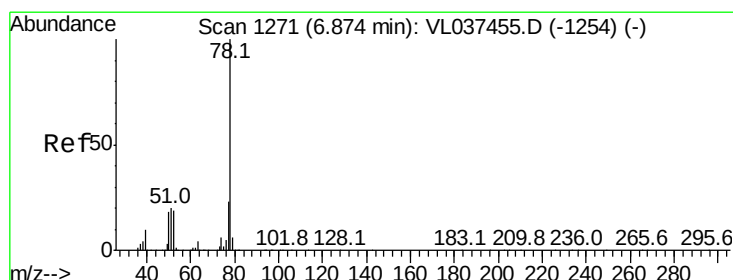
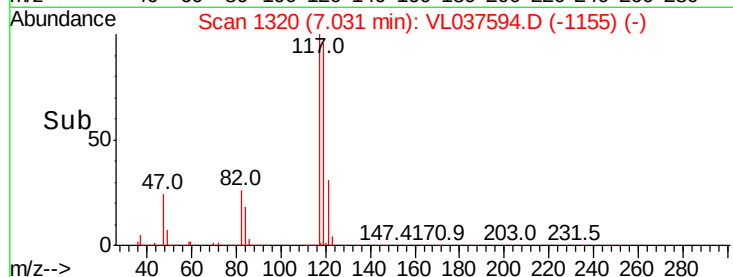
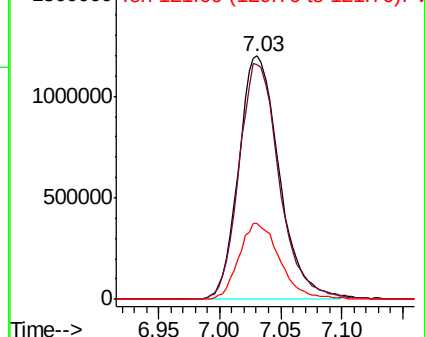
121 31.4 25.2 37.8



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: 10.695 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

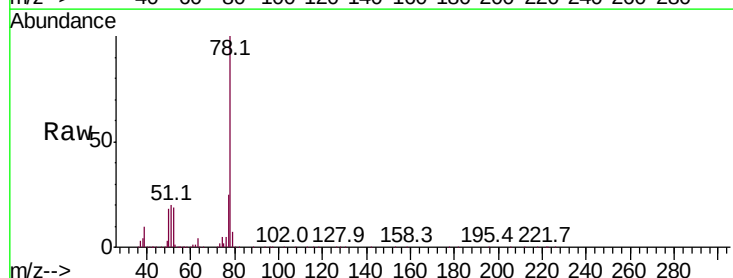
Tgt Ion: 78 Resp: 4175586

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.2	27.4
50	18.3	14.6	21.8

78 100

77 24.5 18.2 27.4

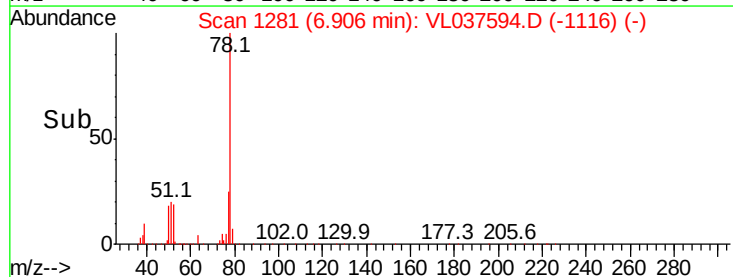
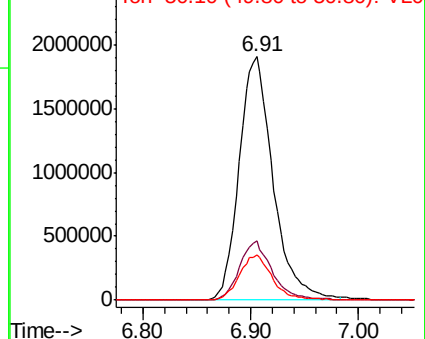
50 18.3 14.6 21.8

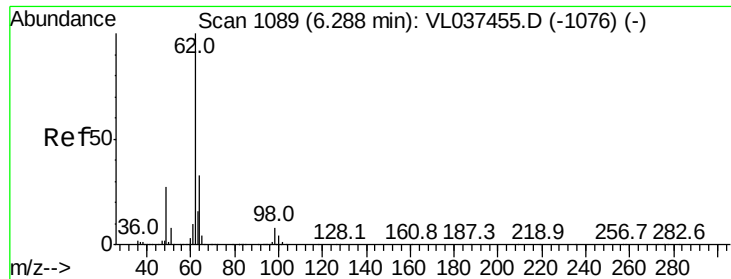


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

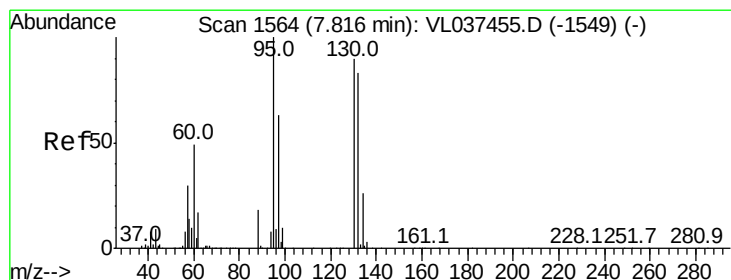
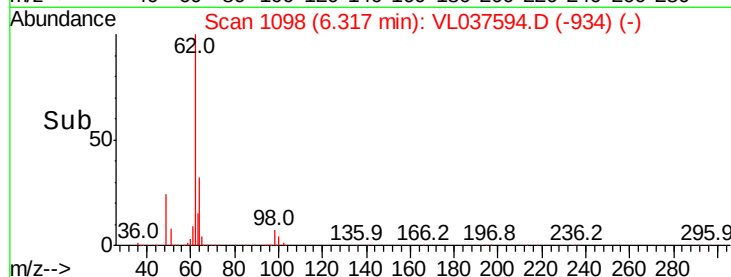
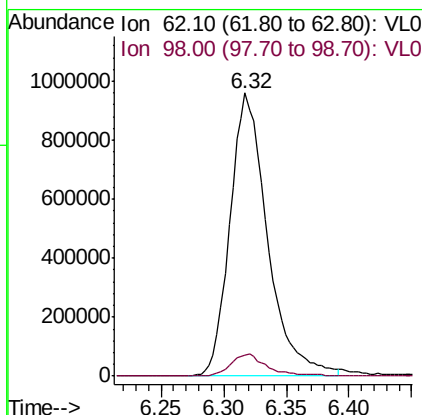
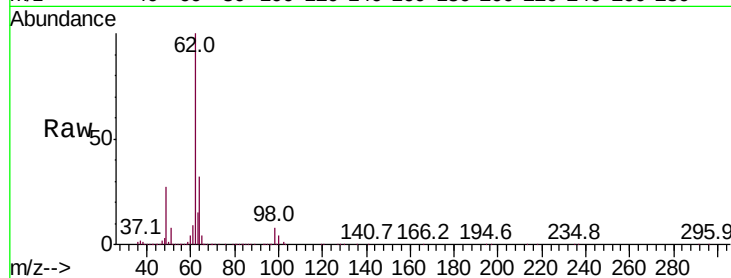




#37
 1,2-Dichloroethane
 Concen: 10.327 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

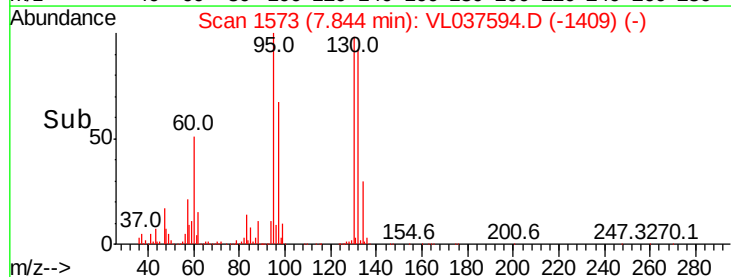
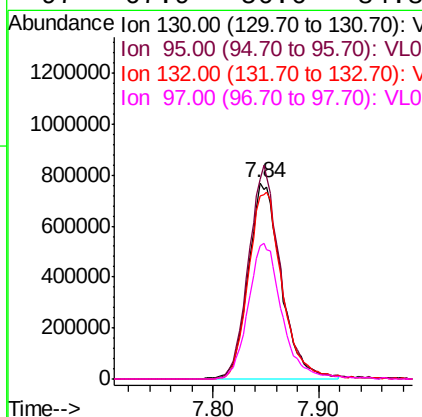
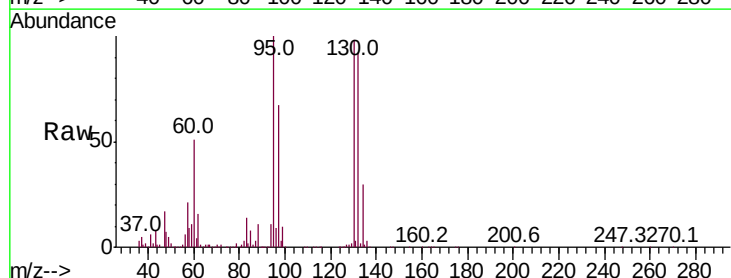
Instrument :
 MSVOA_L
 ClientSampleId :

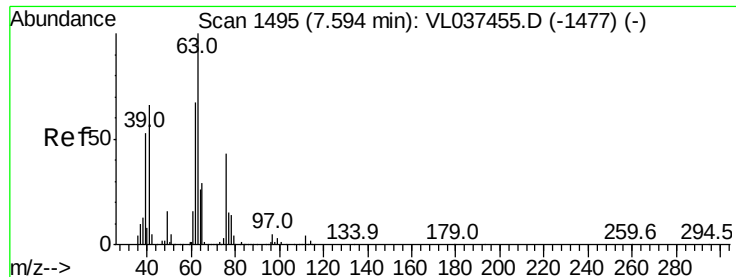
Tot Ion: 62 Resp: 1997222
 Ion Ratio Lower Upper
 62 100
 98 7.5 6.0 9.0



#38
 Trichloroethene
 Concen: 10.425 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion:130 Resp: 1669954
 Ion Ratio Lower Upper
 130 100
 95 101.7 89.2 133.8
 132 93.6 74.0 111.0
 97 67.9 56.6 84.8





#39

1,2-Dichloropropane

Concen: 10.750 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

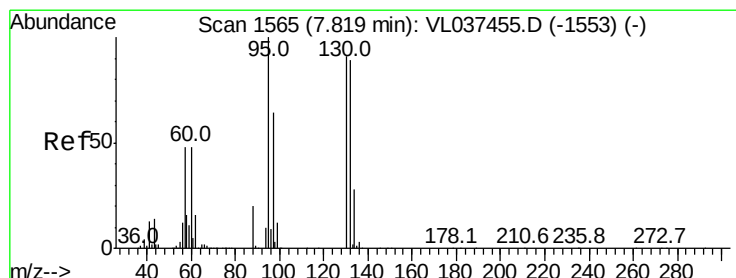
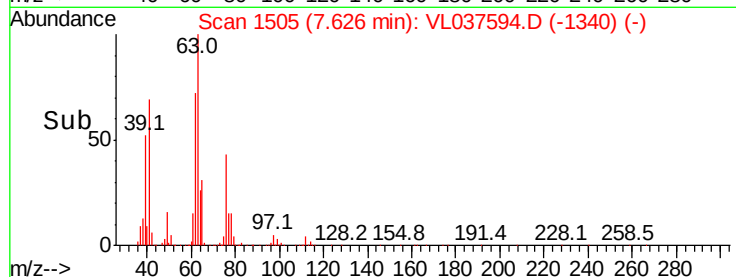
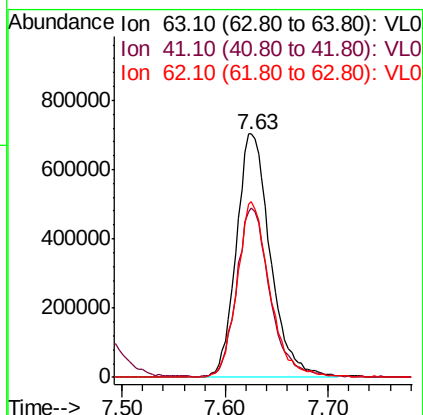
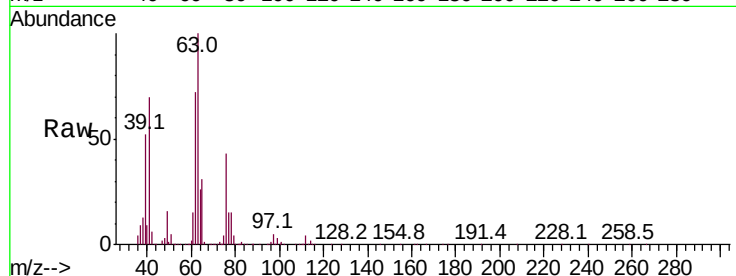
Tot Ion: 63 Resp: 1612745

Ion Ratio Lower Upper

63 100

41 69.2 52.4 78.6

62 72.0 53.6 80.4



#40

1,4-Dioxane

Concen: 3.258 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion: 88 Resp: 119726

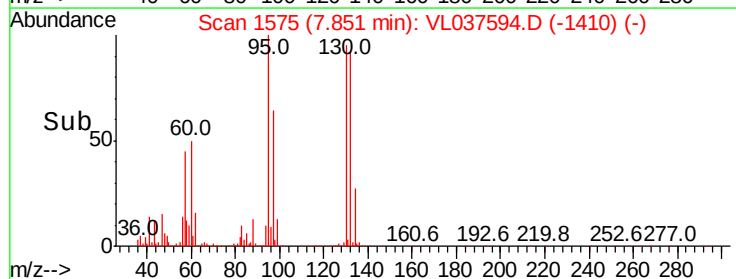
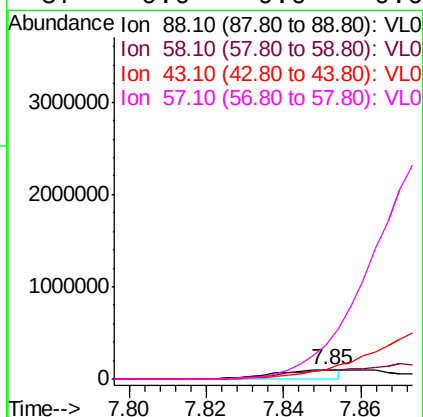
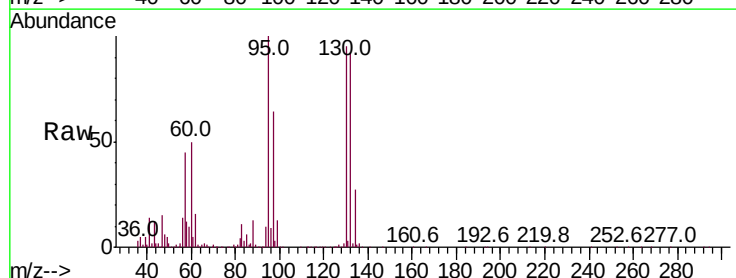
Ion Ratio Lower Upper

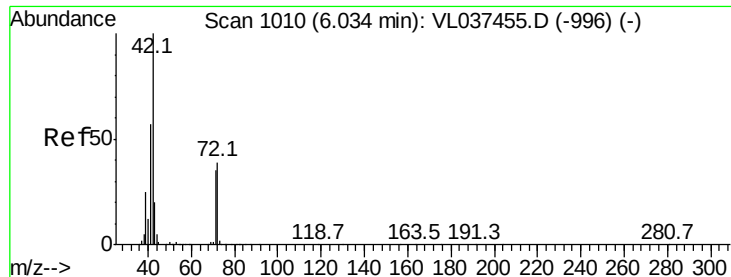
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.342 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampled :

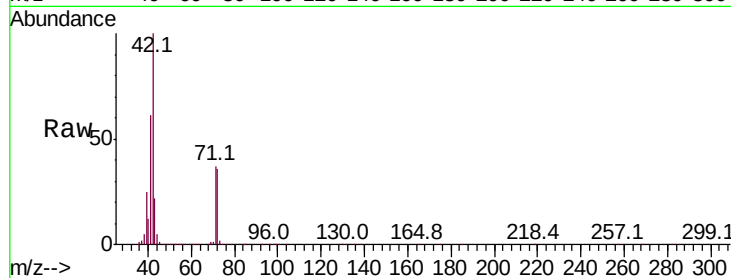
Tot Ion: 42 Resp: 1036188

Ion Ratio Lower Upper

42 100

72 39.0 32.2 48.4

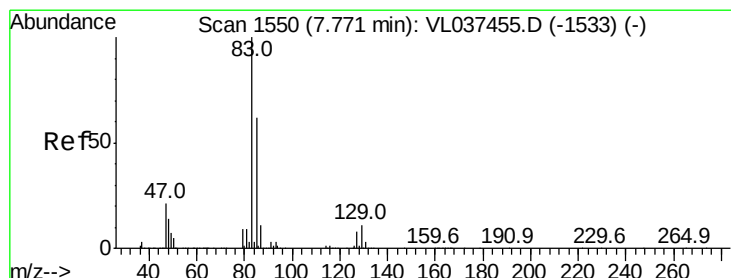
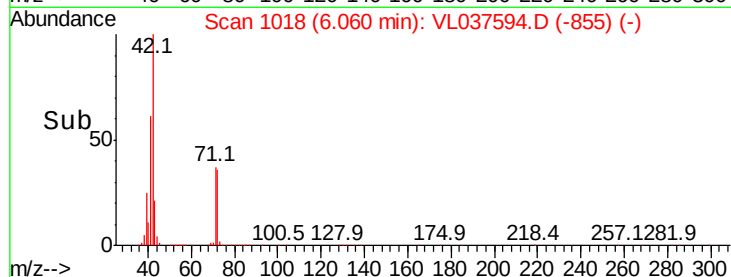
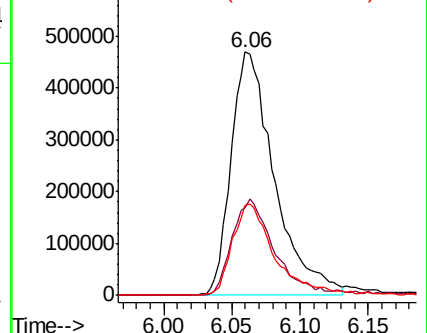
71 37.5 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.467 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

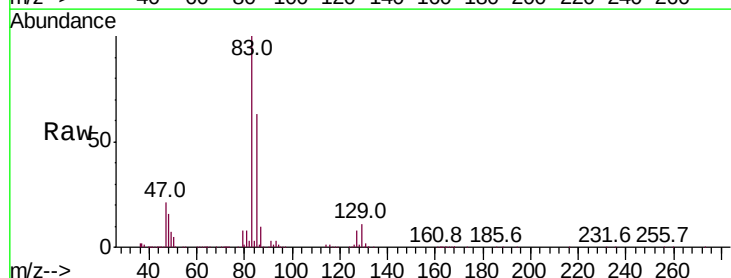
Tgt Ion: 83 Resp: 2959888

Ion Ratio Lower Upper

83 100

85 63.4 49.5 74.3

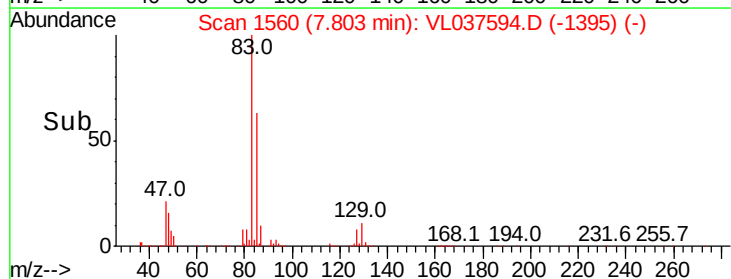
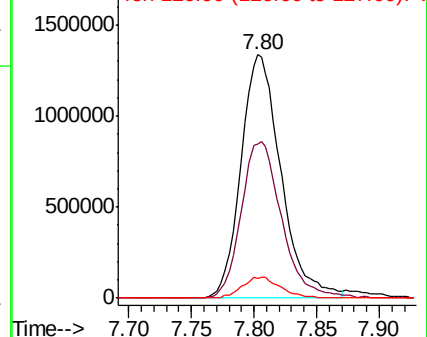
127 8.3 6.3 9.5

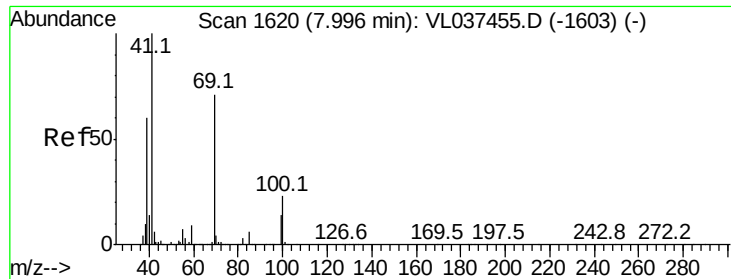


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

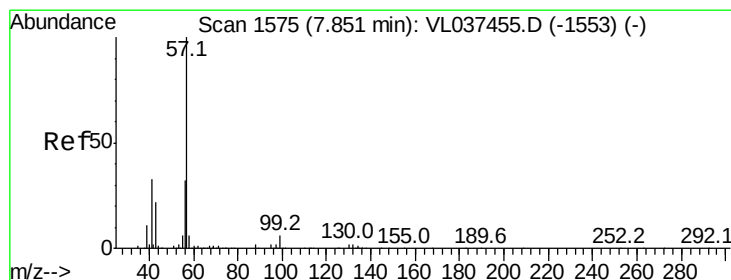
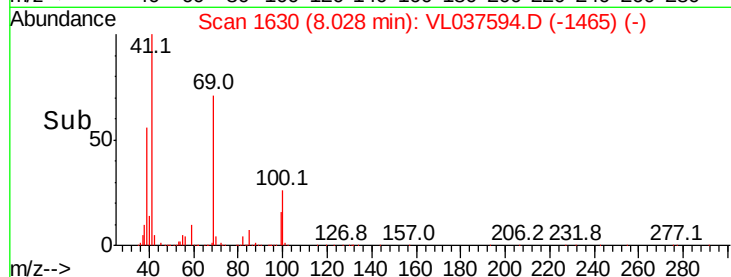
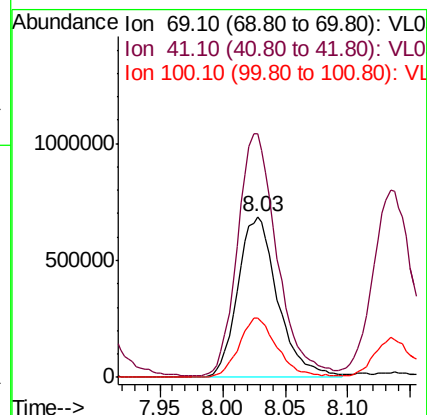
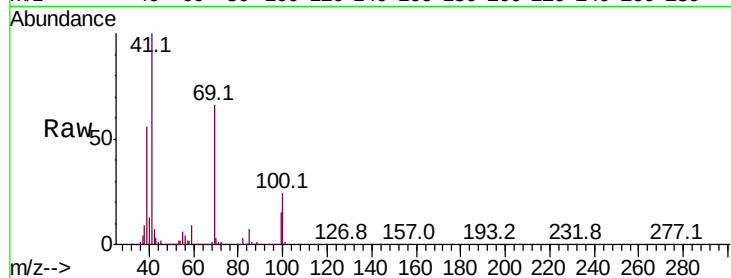




#43
Methyl Methacrylate
Concen: 11.185 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

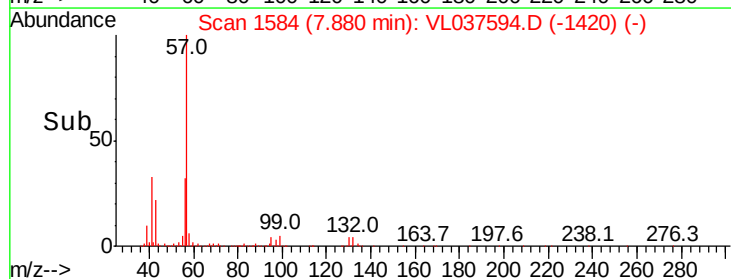
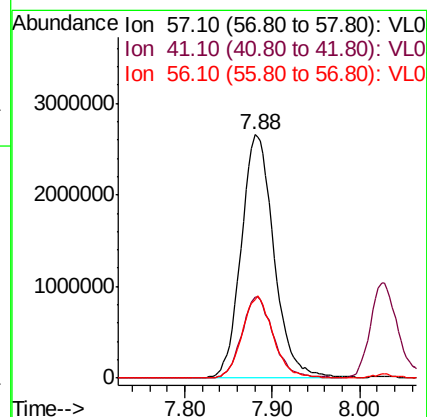
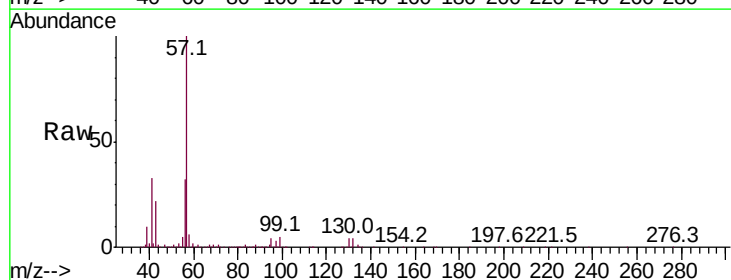
Instrument :
MSVOA_L
ClientSampled :

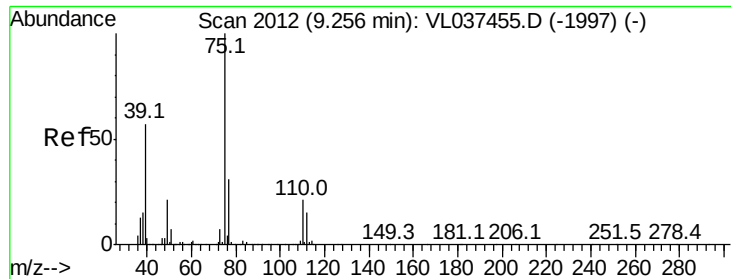
Tot Ion: 69 Resp: 1522031
Ion Ratio Lower Upper
69 100
41 150.0 118.6 178.0
100 35.7 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 10.516 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 57 Resp: 6910081
Ion Ratio Lower Upper
57 100
41 32.3 26.2 39.4
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 13.365 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.04 min

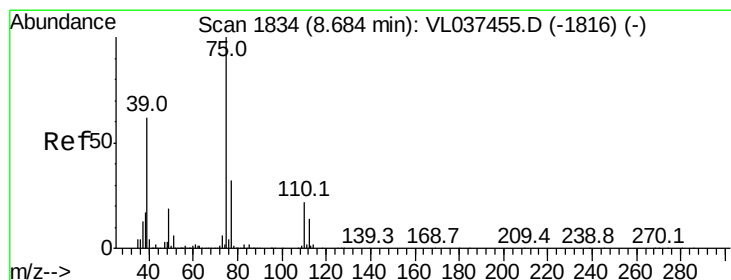
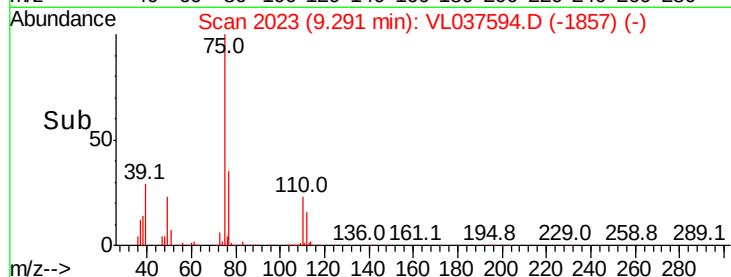
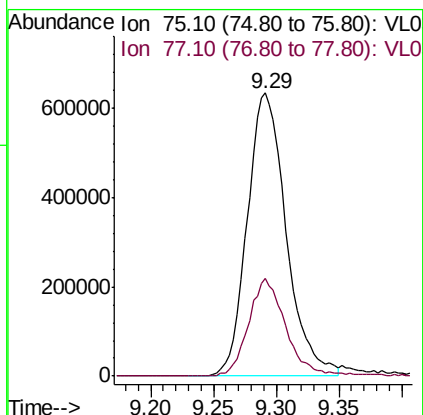
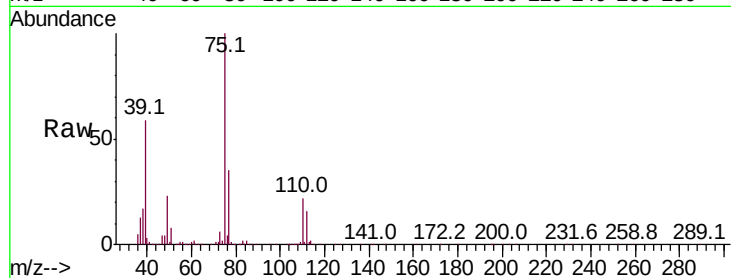
Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1369117

Ion	Ratio	Lower	Upper
75	100		
77	34.7	24.5	36.7



#46

cis-1,3-Dichloropropene

Concen: 12.530 ppbv

RT: 8.72 min Scan# 1844

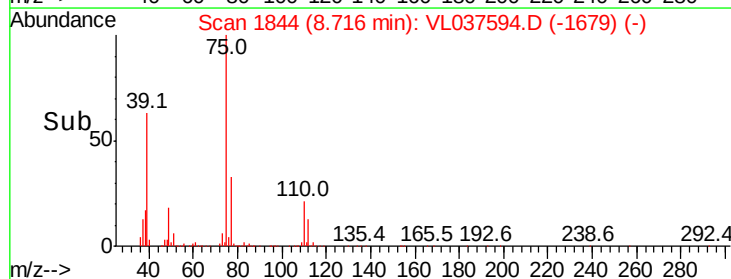
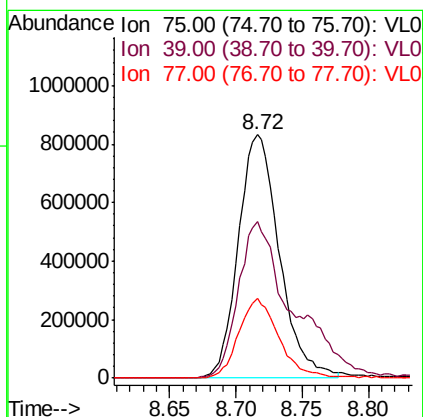
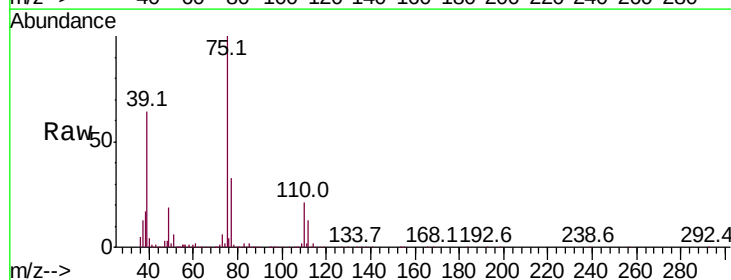
Delta R.T. 0.03 min

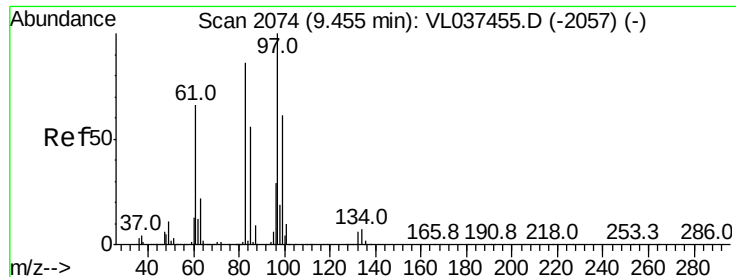
Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion: 75 Resp: 1790471

Ion	Ratio	Lower	Upper
75	100		
39	64.3	49.7	74.5
77	32.6	25.4	38.0



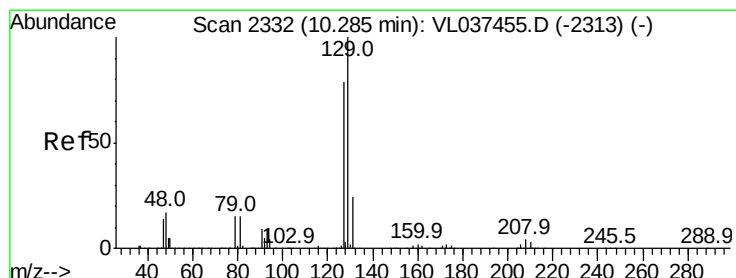
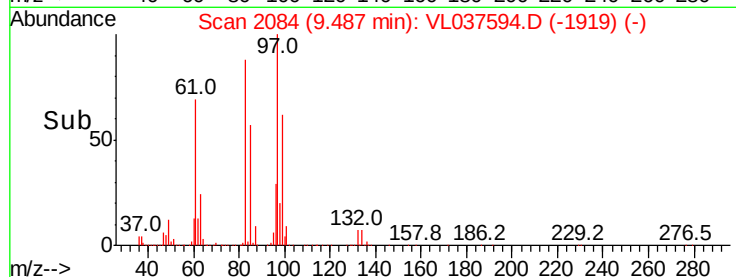
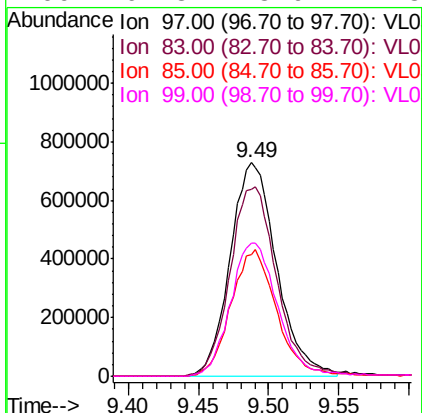
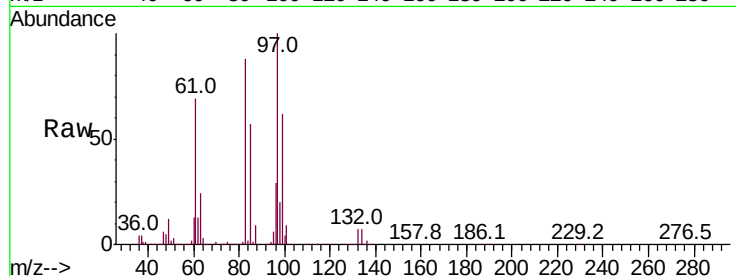


#47
 1,1,2-Trichloroethane
 Concen: 10.281 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1666542

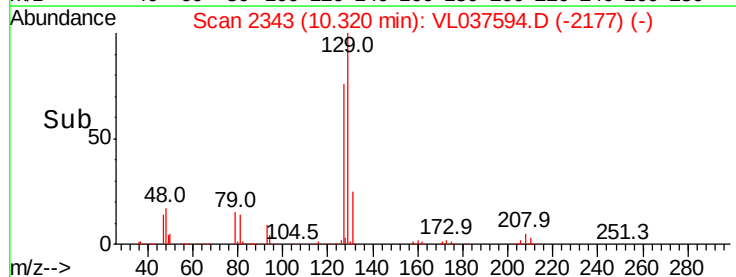
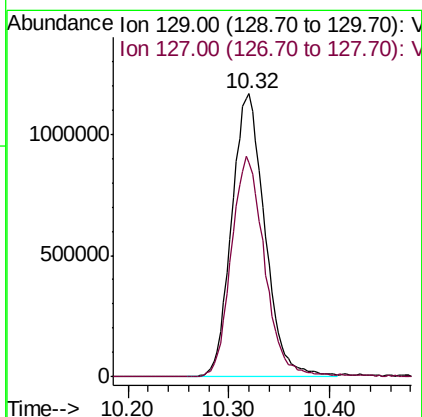
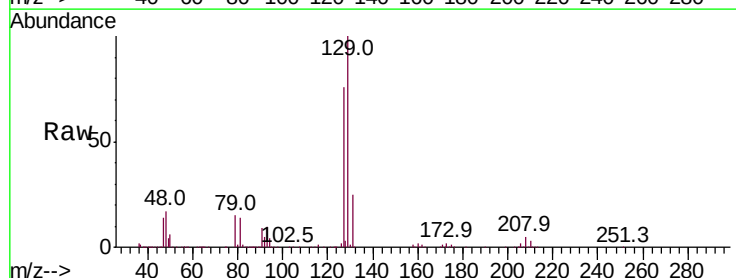
Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.7	103.1
85	56.6	44.7	67.1
99	62.3	48.6	72.8

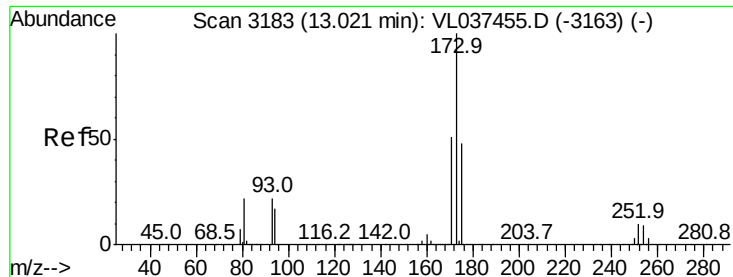


#48
 Dibromochloromethane
 Concen: 11.449 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.04 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 129 Resp: 2670878

Ion	Ratio	Lower	Upper
129	100		
127	79.0	40.0	120.0





#49

Bromoform

Concen: 11.848 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

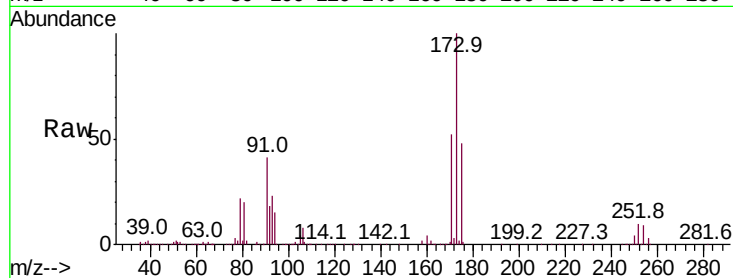
Tot Ion:173 Resp: 2178640

Ion Ratio Lower Upper

173 100

175 51.4 41.9 62.9

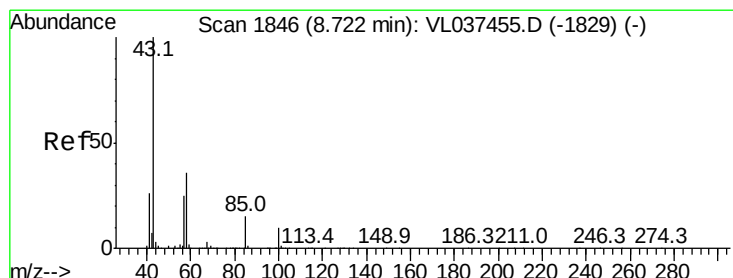
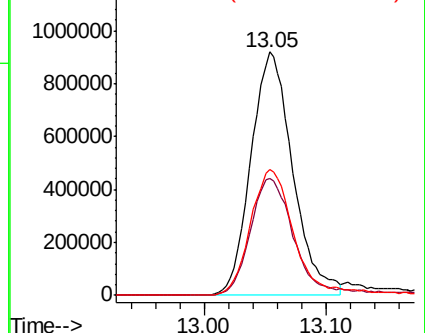
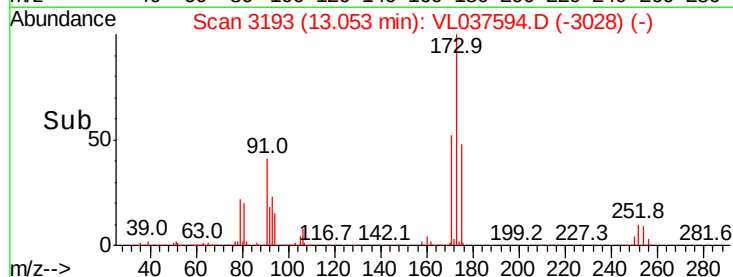
171 55.4 44.2 66.4



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: 11.572 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.03 min

Lab File: VL037594.D

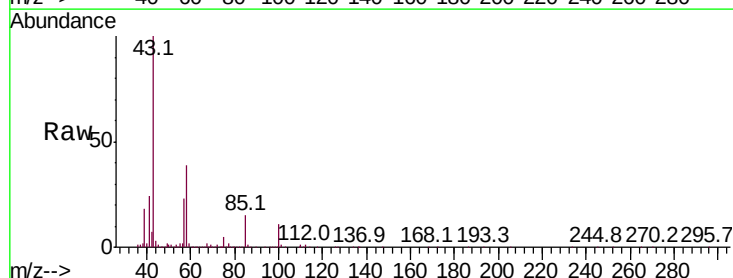
Acq: 9 Sep 2021 11:52

Tgt Ion: 43 Resp: 2863210

Ion Ratio Lower Upper

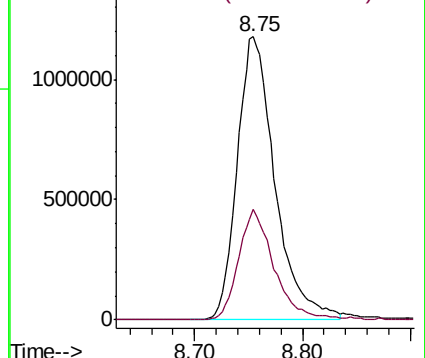
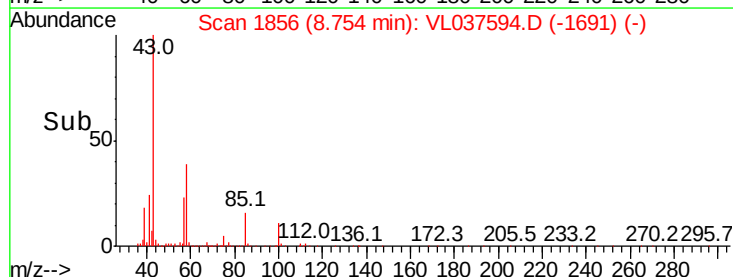
43 100

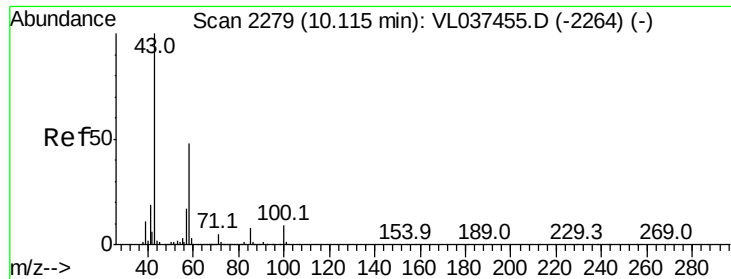
58 37.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.960 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

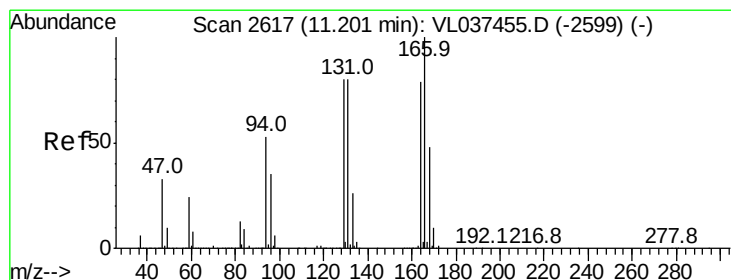
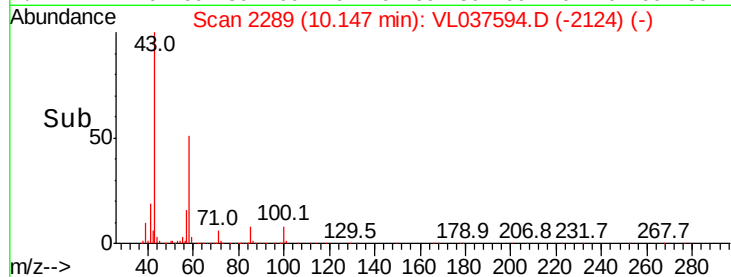
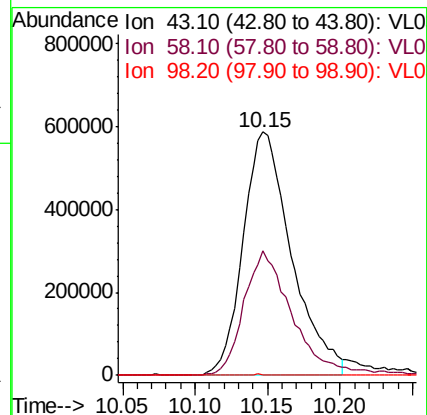
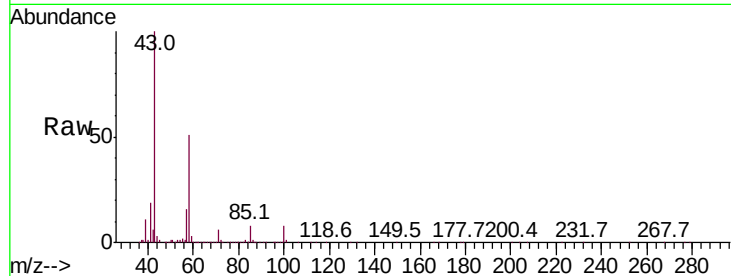
Tot Ion: 43 Resp: 1361033

Ion Ratio Lower Upper

43 100

58 51.9 41.0 61.6

98 0.3 0.3 0.5#



#52

Tetrachloroethene

Concen: 9.790 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion: 164 Resp: 1566204

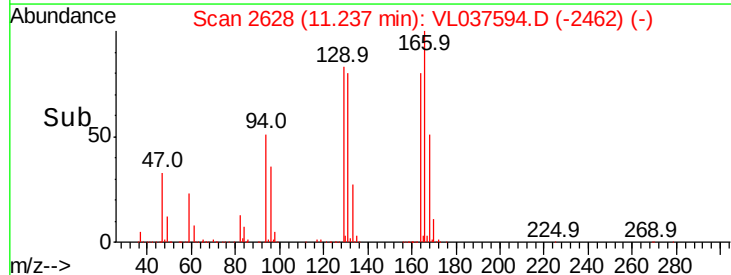
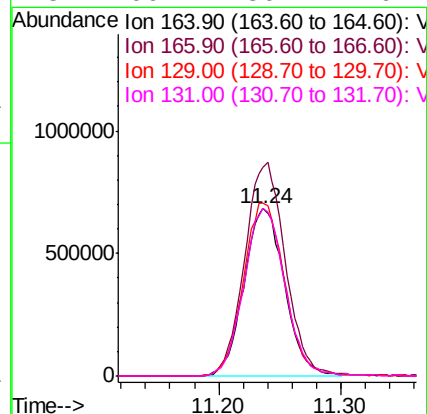
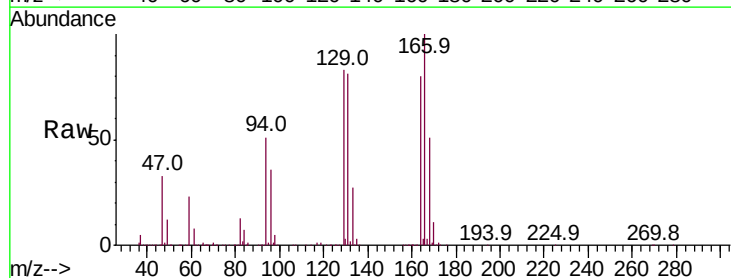
Ion Ratio Lower Upper

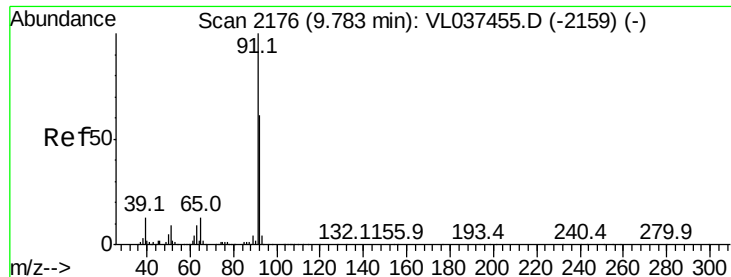
164 100

166 124.2 100.7 151.1

129 102.8 80.9 121.3

131 100.2 80.2 120.4





#53

Toluene

Concen: 10.921 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

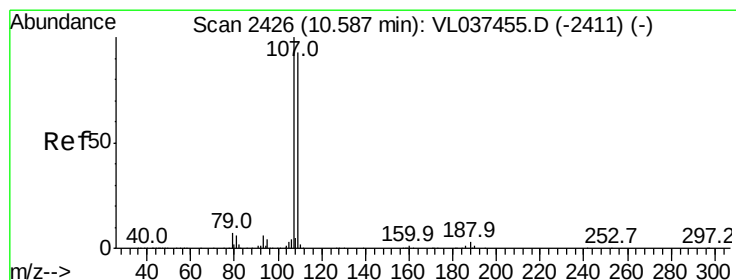
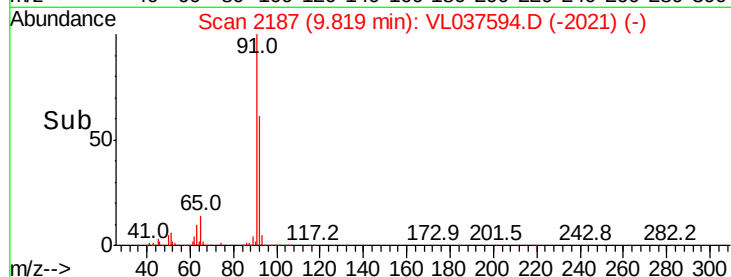
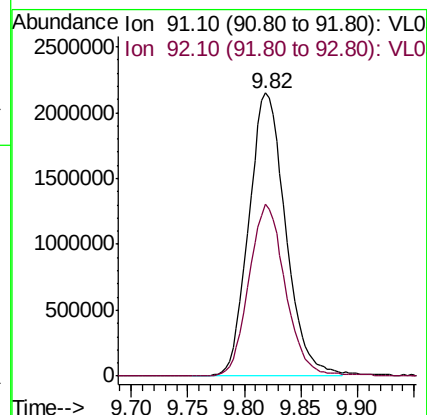
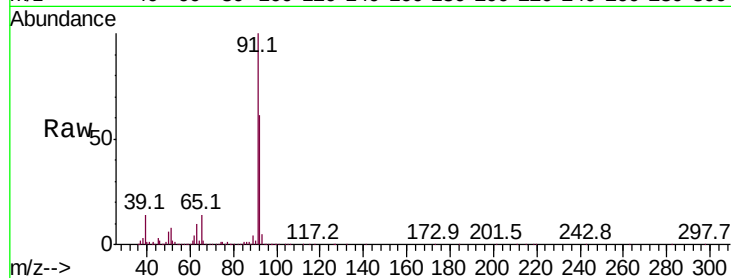
ClientSampleId :

Tot Ion: 91 Resp: 4868369

Ion Ratio Lower Upper

91 100

92 60.5 48.8 73.2



#54

1,2-Dibromoethane

Concen: 10.858 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL037594.D

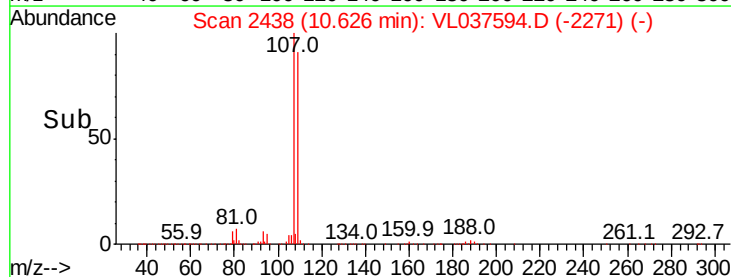
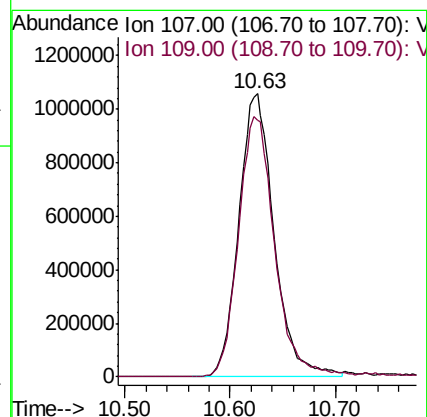
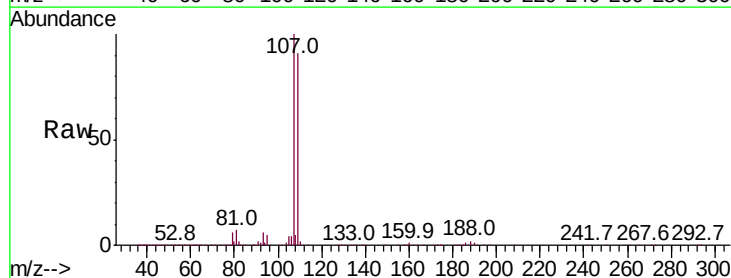
Acq: 9 Sep 2021 11:52

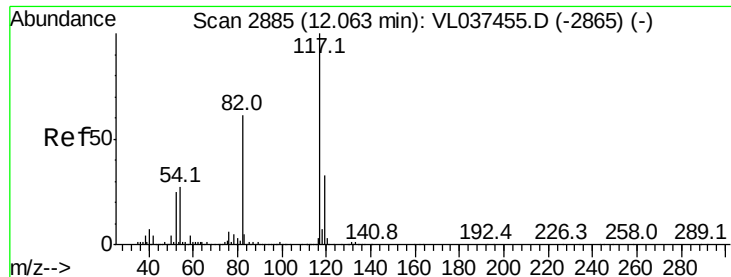
Tgt Ion:107 Resp: 2457091

Ion Ratio Lower Upper

107 100

109 90.8 74.2 111.4

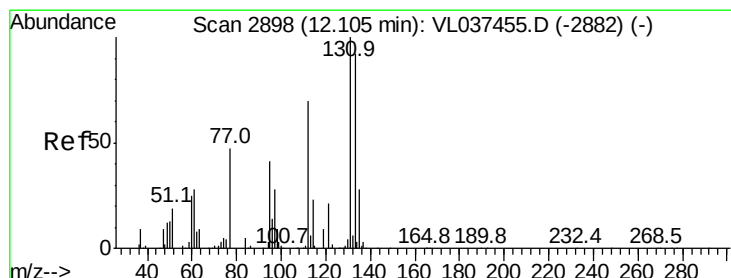
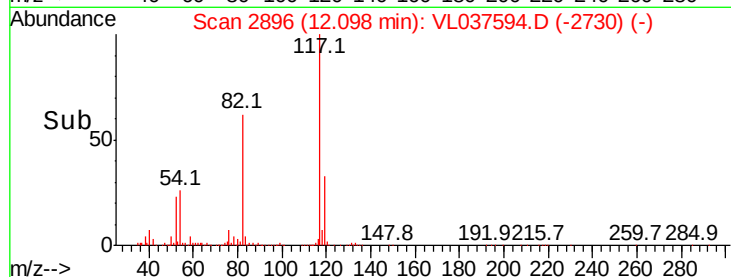
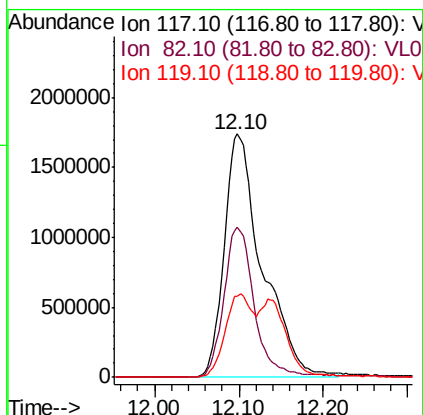
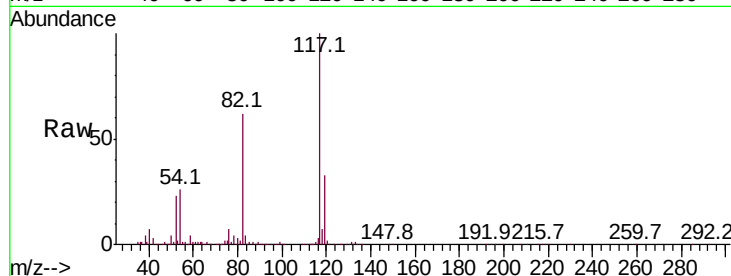




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

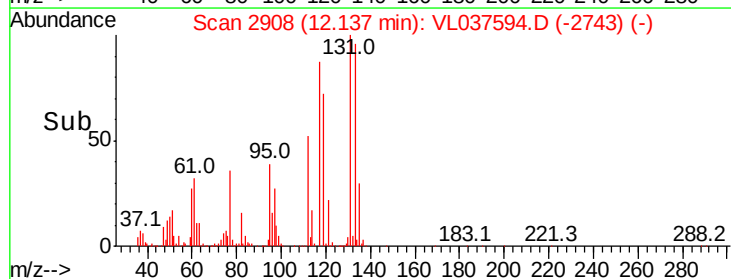
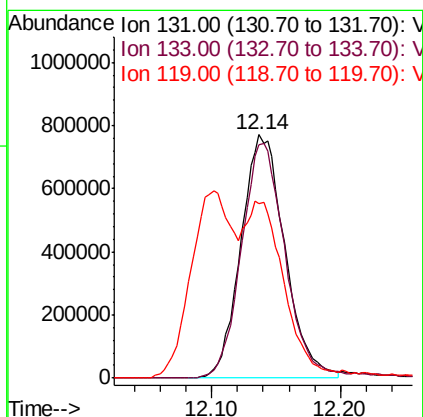
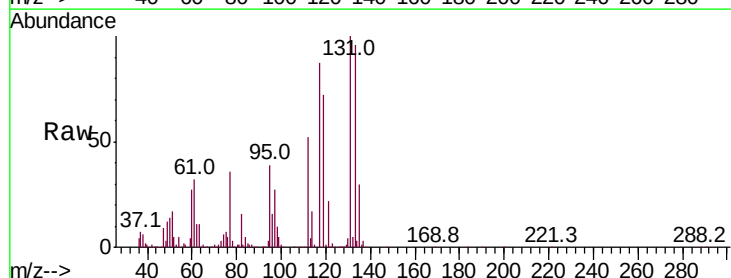
Instrument :
MSVOA_L
ClientSampleId :

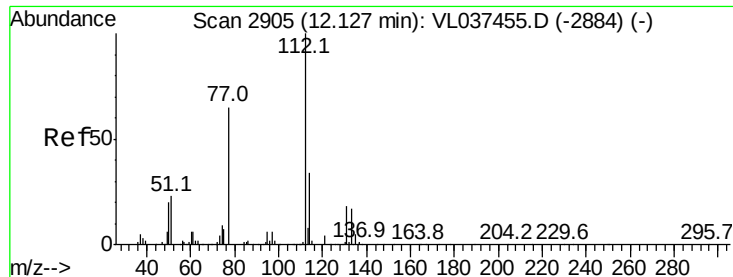
Tot Ion:117 Resp: 5447766
Ion Ratio Lower Upper
117 100
82 50.4 52.9 79.3#
119 23.5 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.042 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion:131 Resp: 1825453
Ion Ratio Lower Upper
131 100
133 97.8 78.7 118.1
119 69.0 56.6 85.0

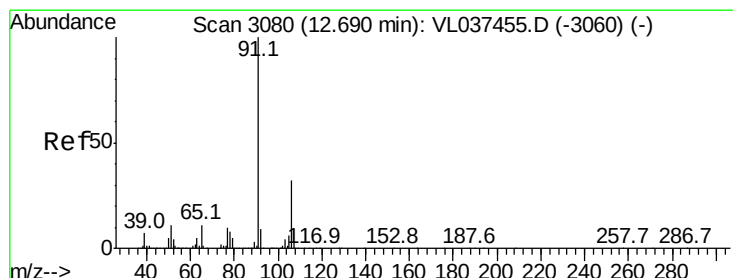
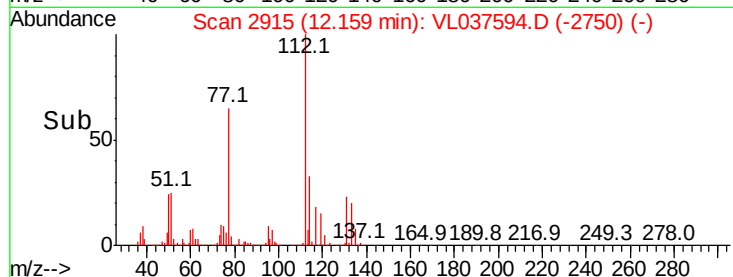
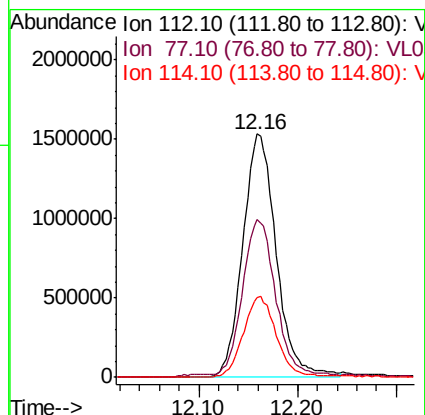
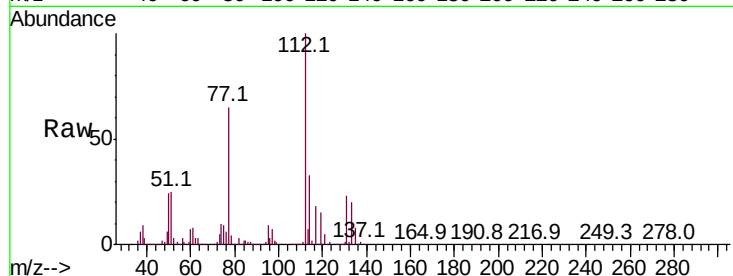




#57
Chlorobenzene
Concen: 7.961 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

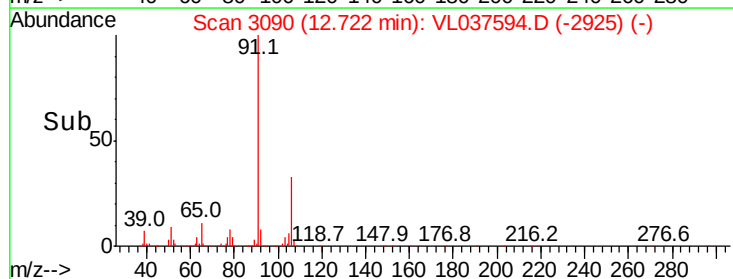
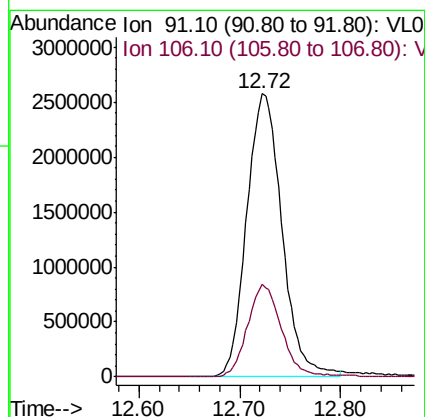
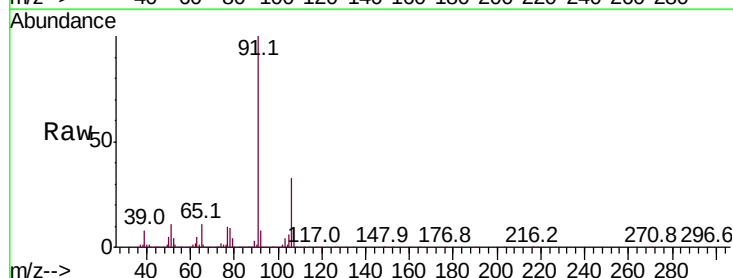
Instrument :
MSVOA_L
ClientSampled :

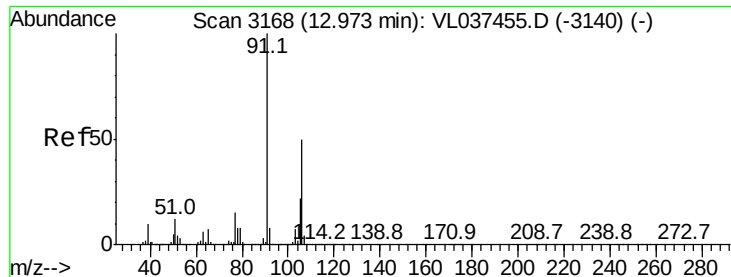
Tot Ion:112 Resp: 3599156
Ion Ratio Lower Upper
112 100
77 63.6 51.6 77.4
114 32.7 30.7 37.5



#58
Ethyl Benzene
Concen: 8.250 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.03 min
Lab File: VL037594.D
Acq: 9 Sep 2021 11:52

Tgt Ion: 91 Resp: 6237130
Ion Ratio Lower Upper
91 100
106 32.8 25.7 38.5





#59

m/p-Xylene

Concen: 8.716 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

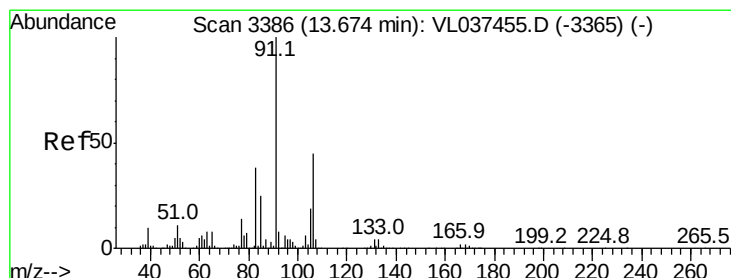
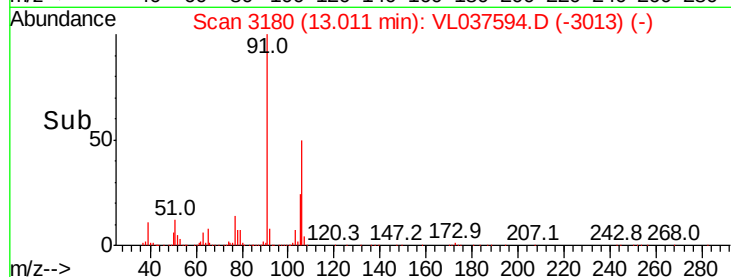
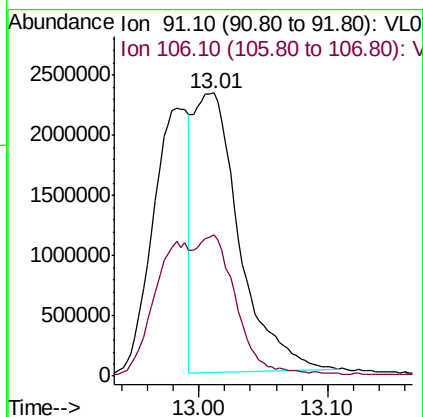
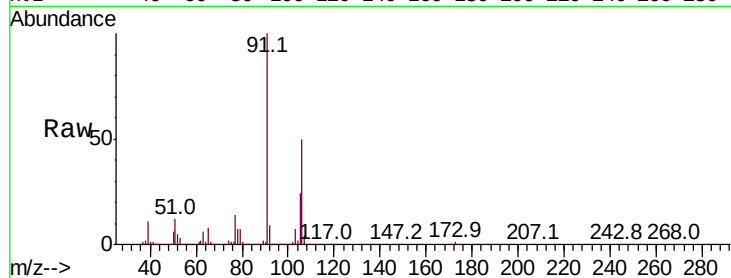
ClientSampleId :

Tot Ion: 91 Resp: 5712312

Ion Ratio Lower Upper

91 100

106 84.9 36.9 55.3#



#60

o-Xylene

Concen: 7.947 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.03 min

Lab File: VL037594.D

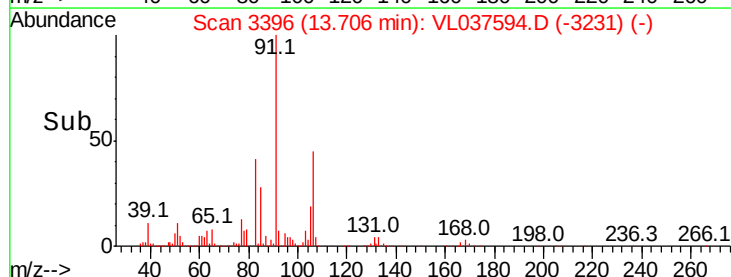
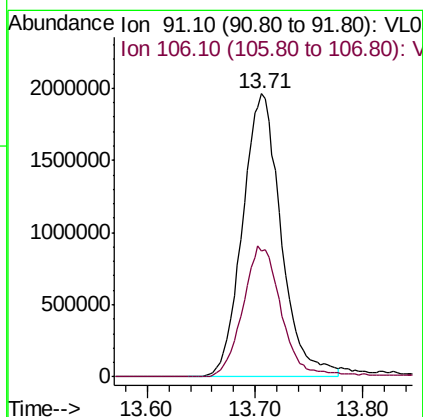
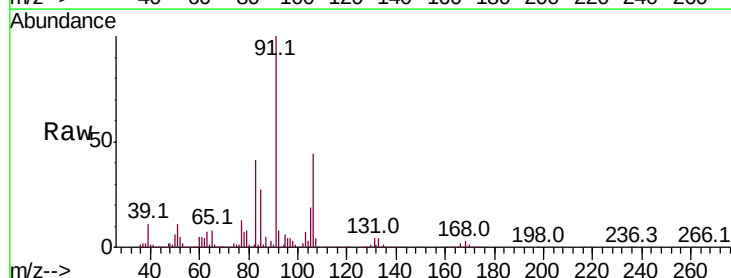
Acq: 9 Sep 2021 11:52

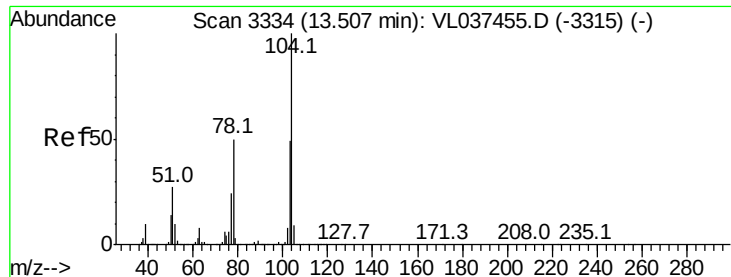
Tgt Ion: 91 Resp: 4861210

Ion Ratio Lower Upper

91 100

106 47.4 23.7 71.1





#61

Stvrene

Concen: 8.865 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

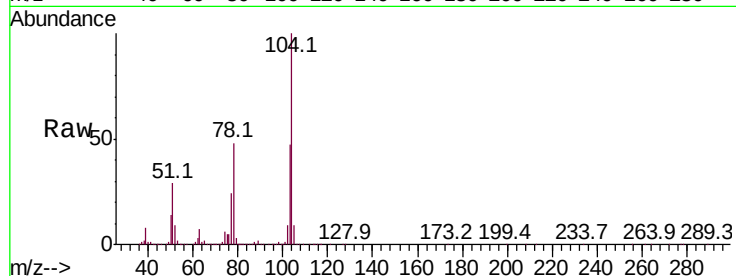
Tot Ion:104 Resp: 2817097

Ion Ratio Lower Upper

104 100

78 50.3 41.3 61.9

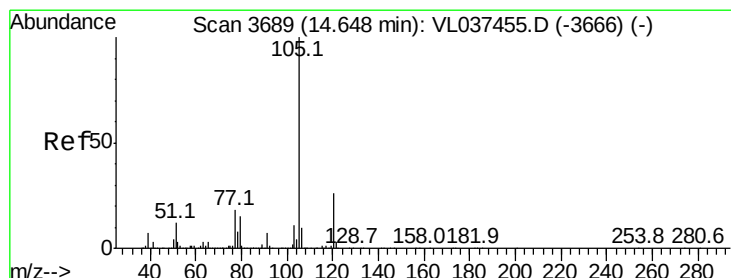
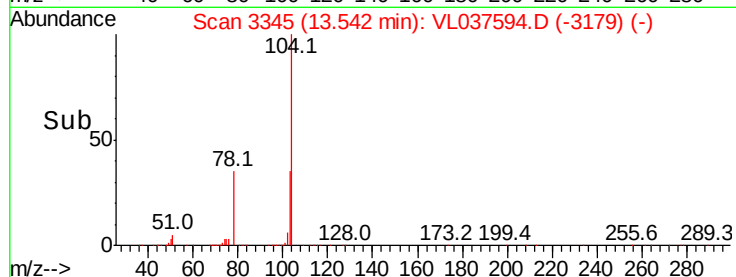
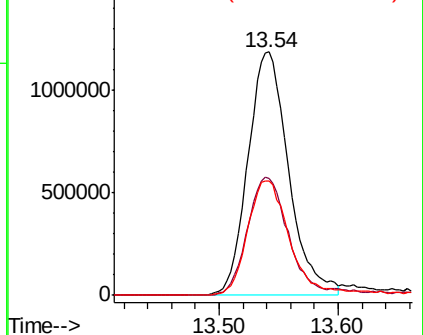
103 49.3 39.4 59.0



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: 7.848 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.03 min

Lab File: VL037594.D

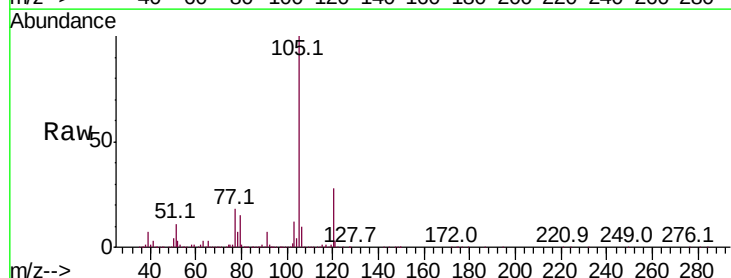
Acq: 9 Sep 2021 11:52

Tgt Ion:105 Resp: 6775758

Ion Ratio Lower Upper

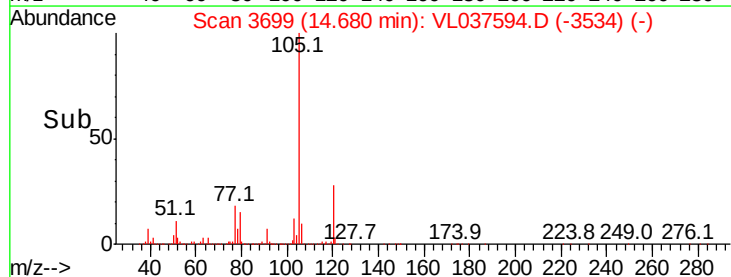
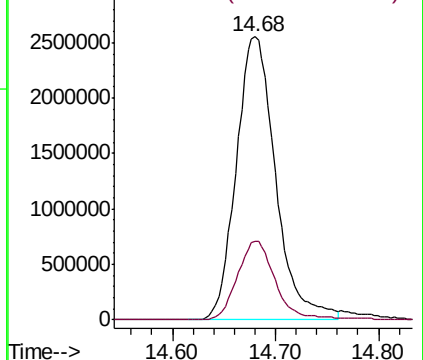
105 100

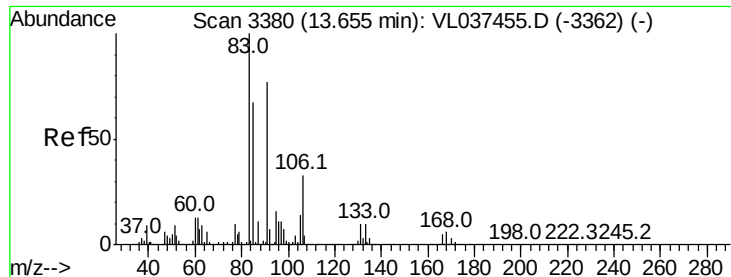
120 27.4 21.5 32.3



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: 7.407 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

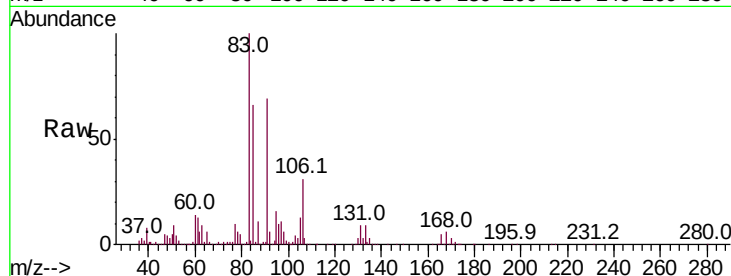
Tot Ion: 83 Resp: 3367427

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	70.0	33.8	101.3

83 100

131 10.4 5.0 15.0

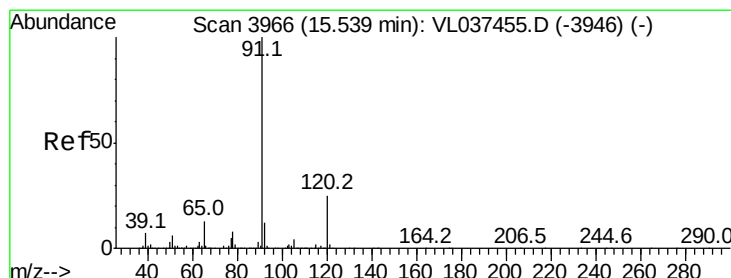
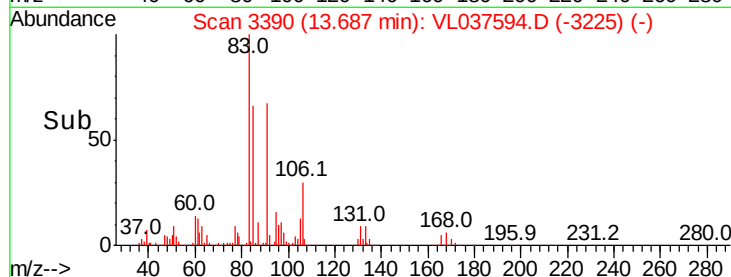
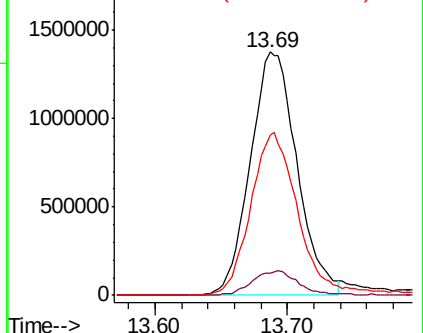
85 70.0 33.8 101.3



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: 4.760 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL037594.D

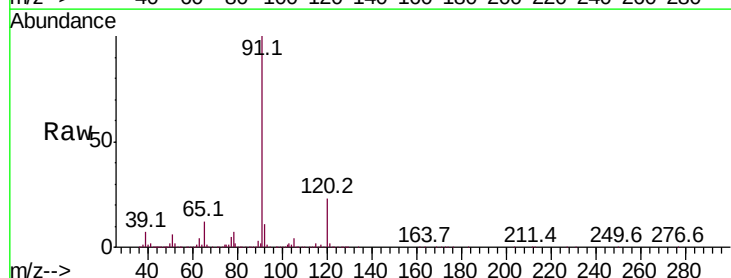
Acq: 9 Sep 2021 11:52

Tgt Ion:120 Resp: 1045861

Ion	Ratio	Lower	Upper
120	100		
91	812.9	373.8	560.6

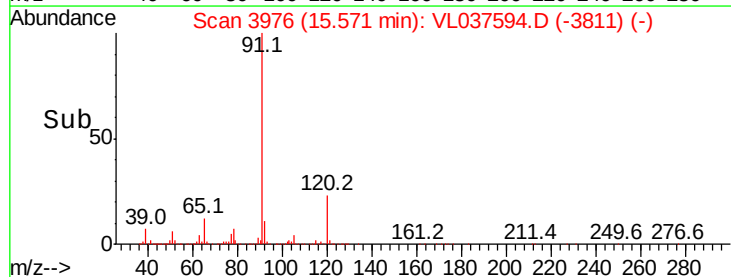
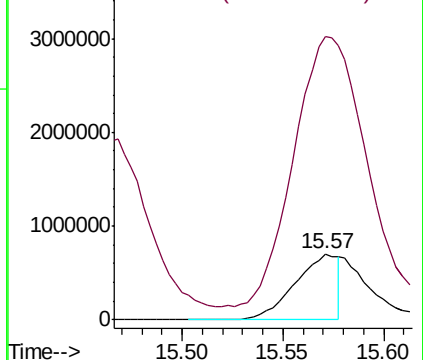
120 100

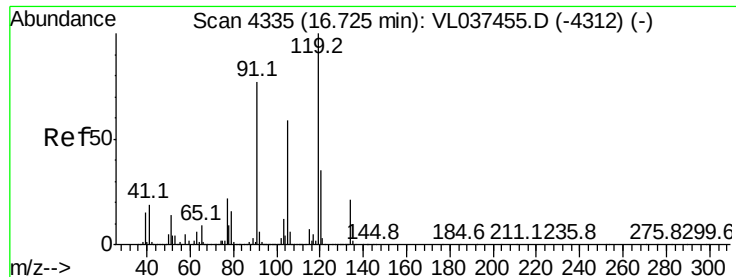
91 812.9 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

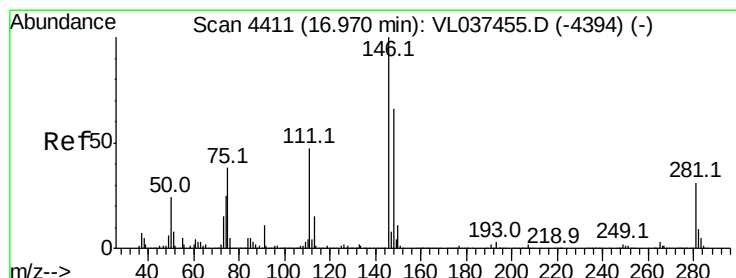
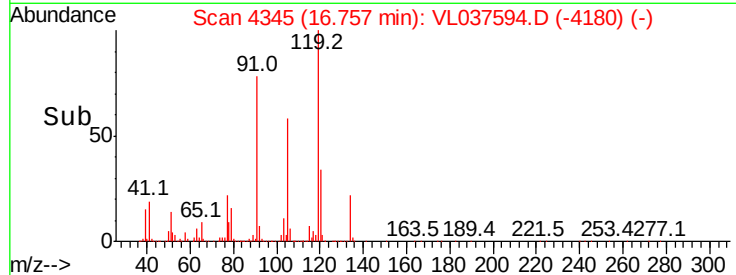
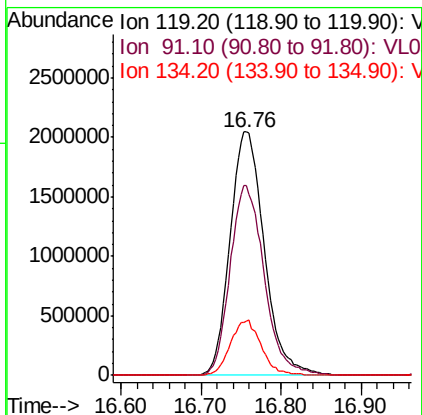
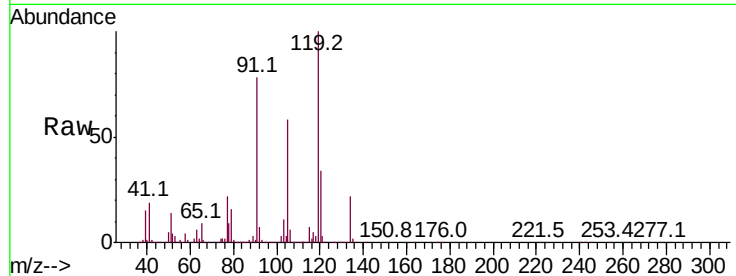




#65
 tert-Butylbenzene
 Concen: 7.553 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

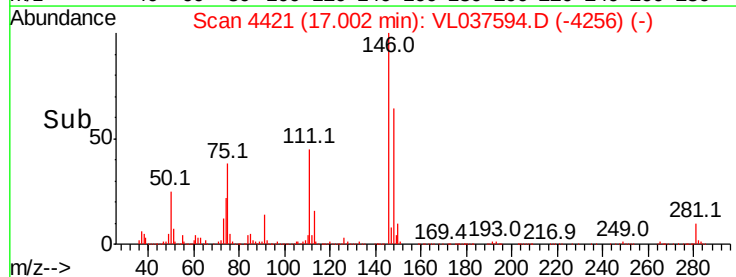
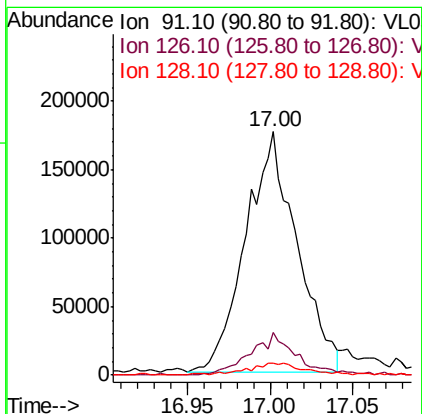
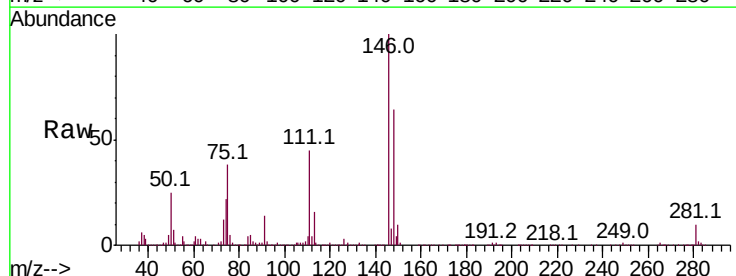
Instrument :
 MSVOA_L
 ClientSampled :

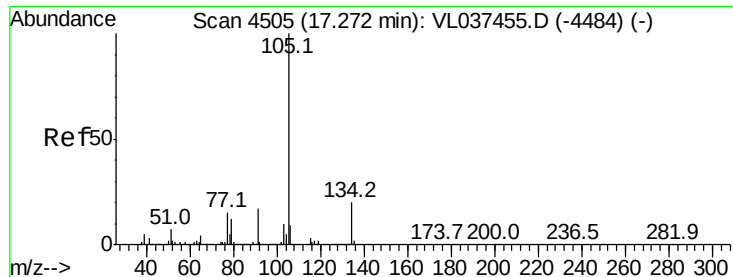
Tot Ion:119 Resp: 5938348
 Ion Ratio Lower Upper
 119 100
 91 77.4 62.9 94.3
 134 20.6 16.4 24.6



#66
 Benzyl Chloride
 Concen: 10.577 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 91 Resp: 376208
 Ion Ratio Lower Upper
 91 100
 126 16.3 15.9 23.9
 128 6.1 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.464 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

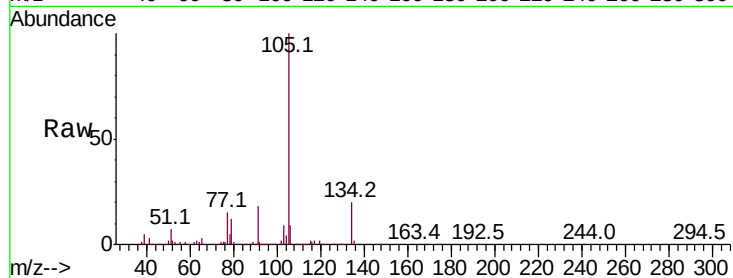
ClientSampleId :

Tot Ion:105 Resp: 8200292

Ion Ratio Lower Upper

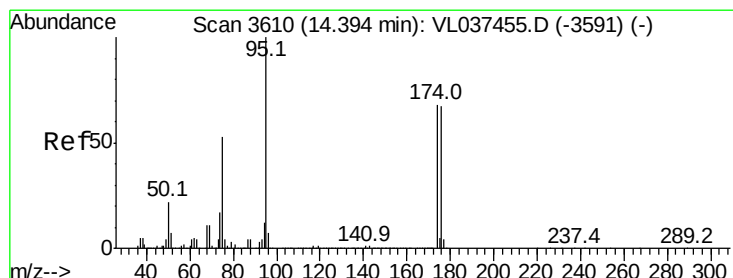
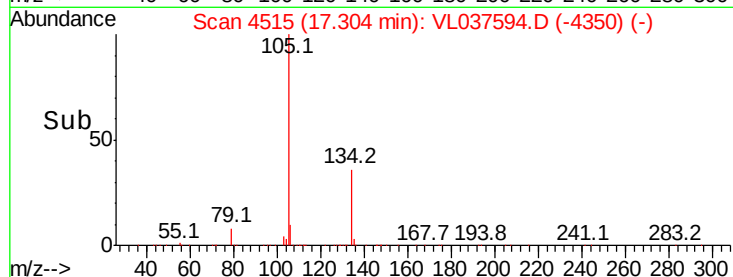
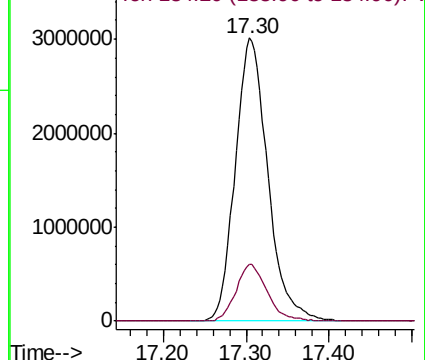
105 100

134 19.4 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.173 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

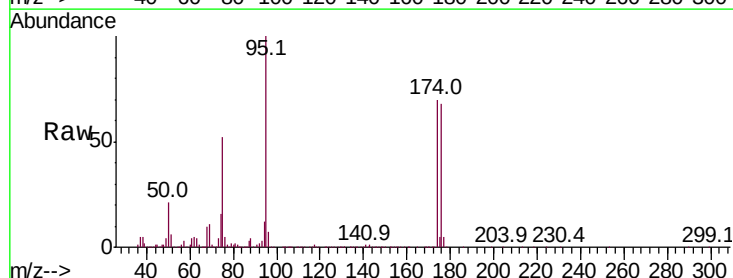
Tgt Ion: 95 Resp: 3163394

Ion Ratio Lower Upper

95 100

174 74.7 59.6 89.4

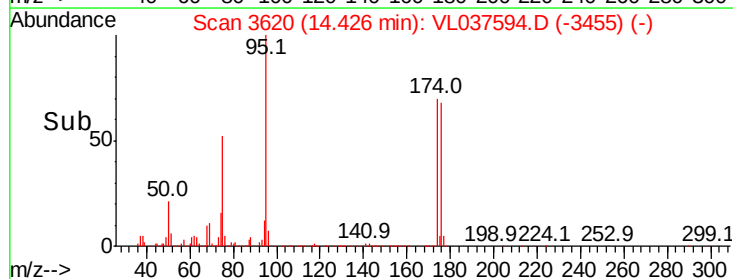
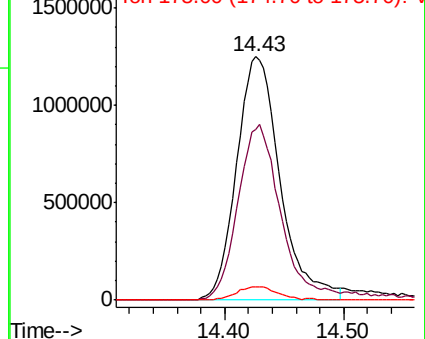
175 5.4 4.6 7.0

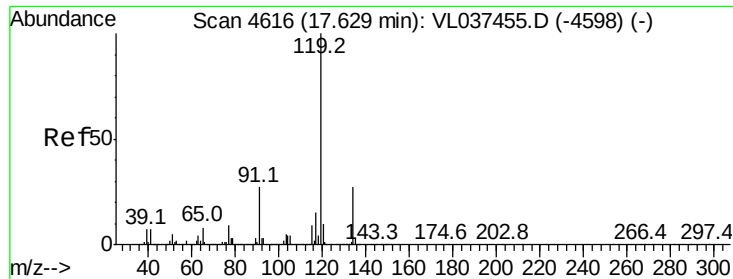


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



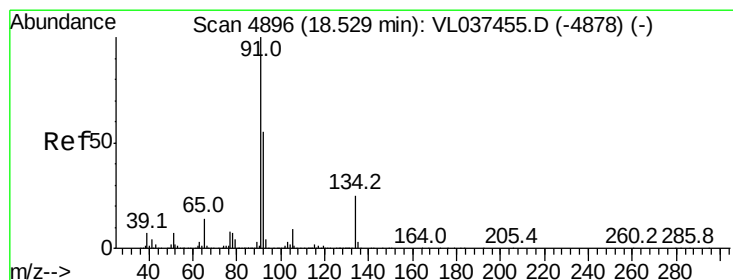
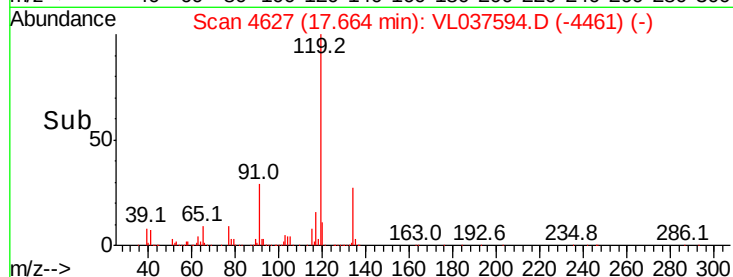
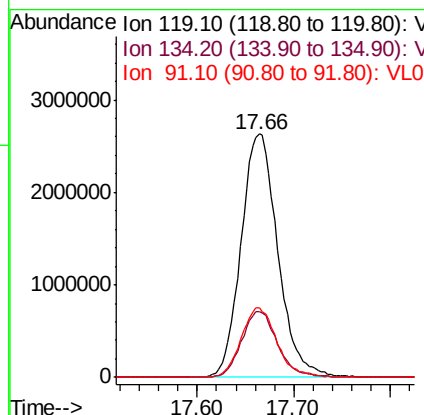
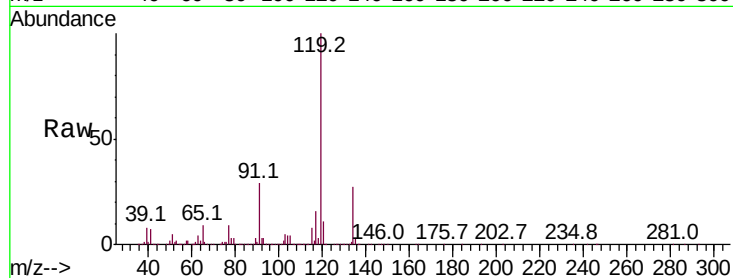


#69
 p-Isopropyltoluene
 Concen: 7.747 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.04 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6935589

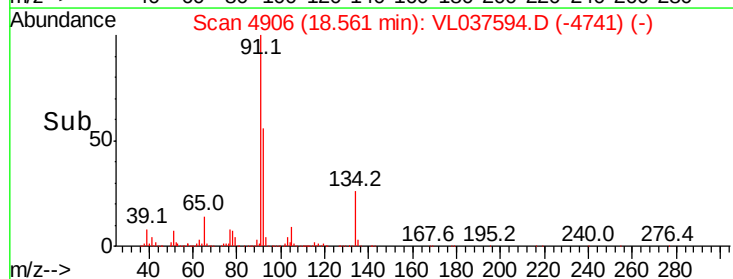
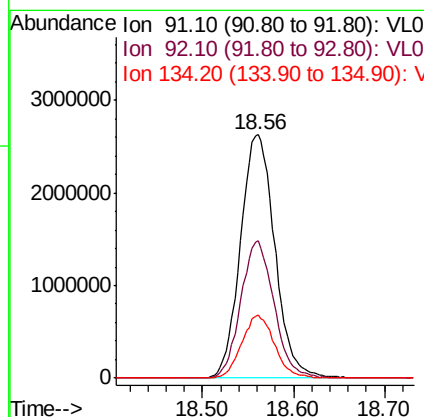
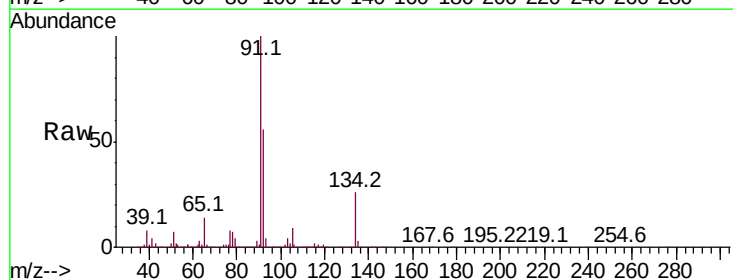
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.1	31.7
91	27.7	22.4	33.6

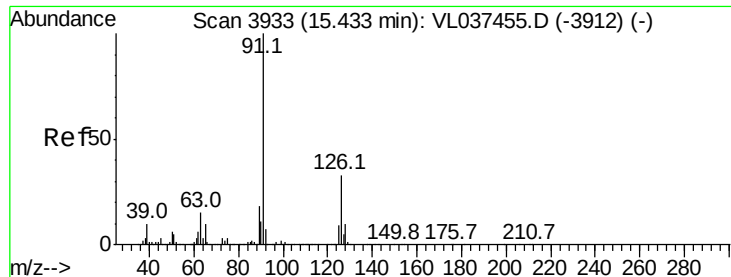


#70
 n-Butylbenzene
 Concen: 8.038 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion: 91 Resp: 6877369

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	24.8	19.5	29.3





#71

2-Chlorotoluene

Concen: 7.707 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

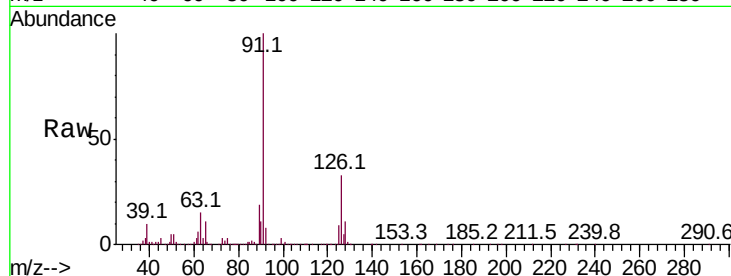
ClientSampled :

Tot Ion: 91 Resp: 4879585

Ion Ratio Lower Upper

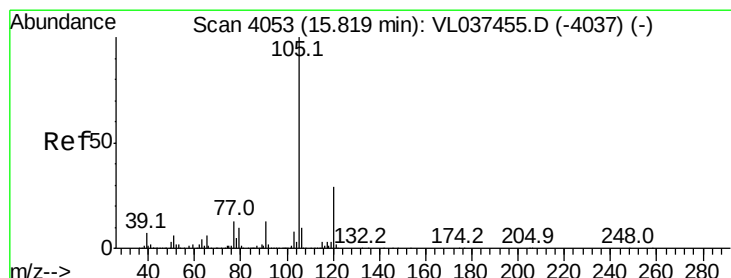
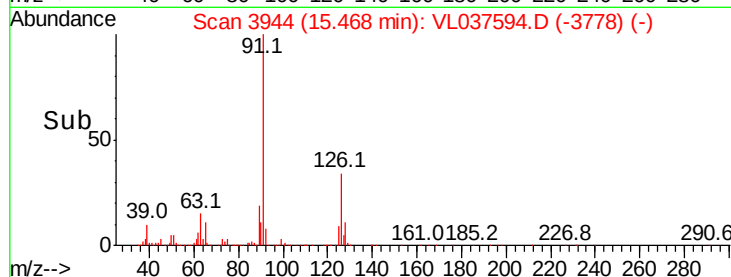
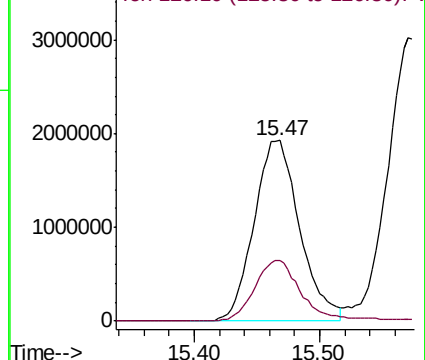
91 100

126 35.4 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.276 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion: 105 Resp: 6021859

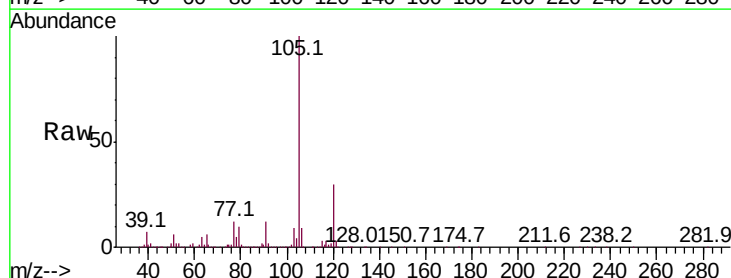
Ion Ratio Lower Upper

105 100

120 31.1 24.7 37.1

91 11.6 9.8 14.8

77 12.5 10.6 15.8

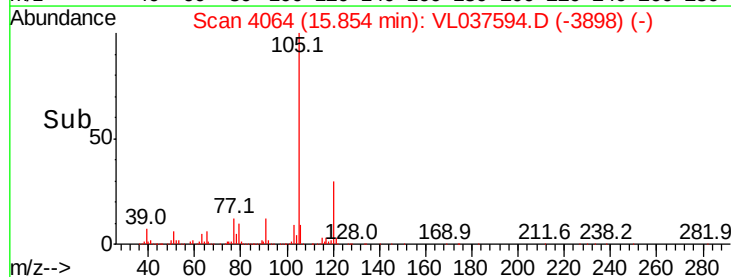
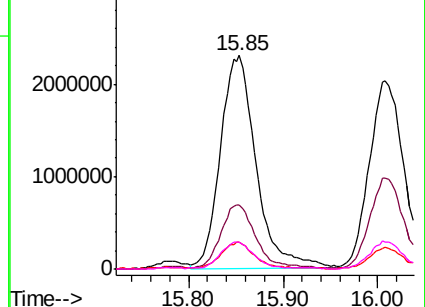


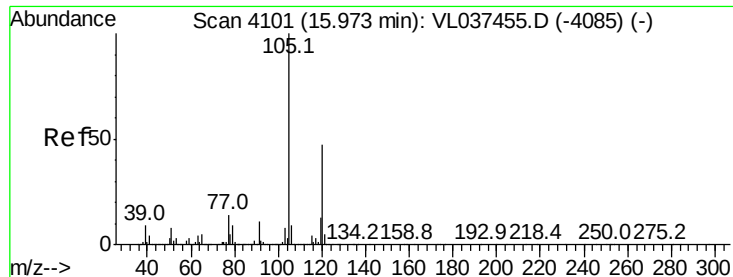
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.603 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

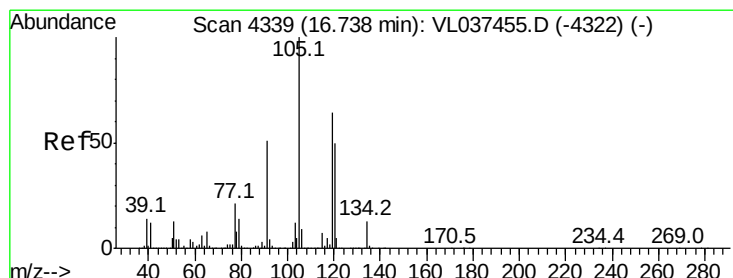
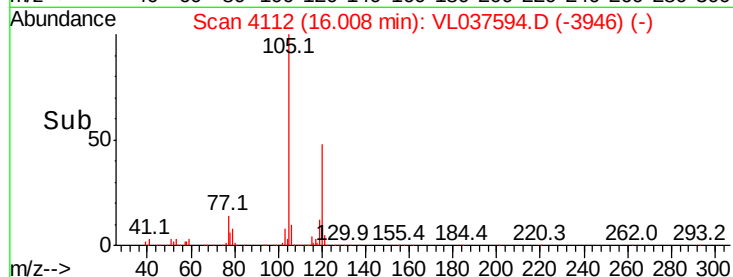
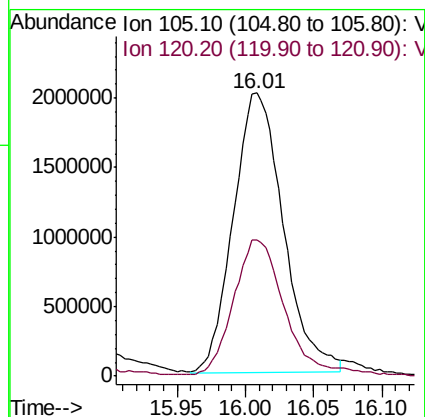
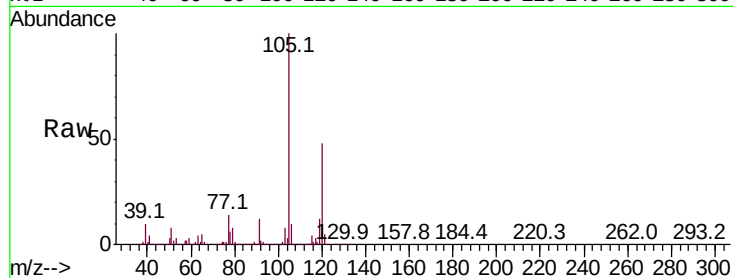
ClientSampleId :

Tot Ion:105 Resp: 5149297

Ion Ratio Lower Upper

105 100

120 48.3 37.6 56.4



#74

1,2,4-Trimethylbenzene

Concen: 7.634 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion:105 Resp: 5494546

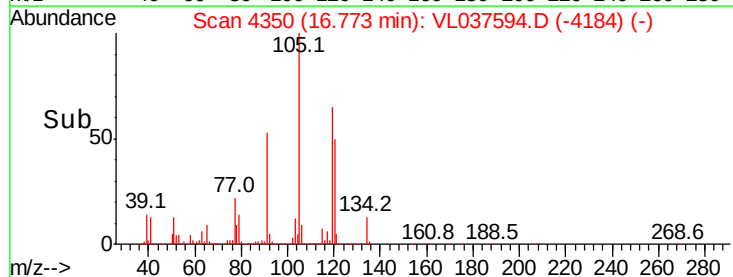
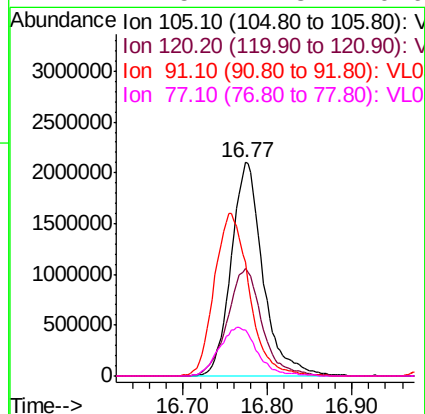
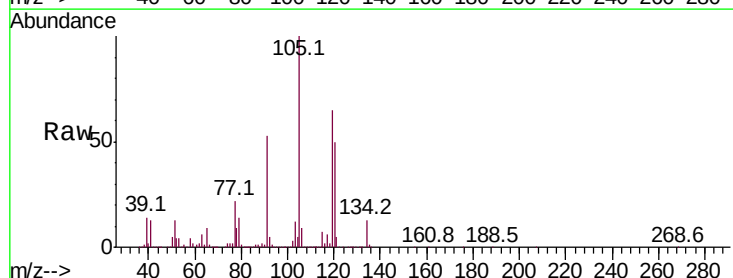
Ion Ratio Lower Upper

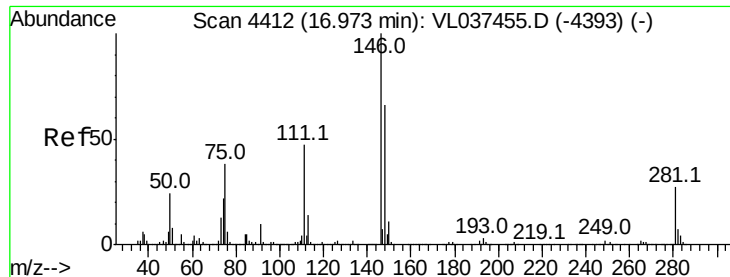
105 100

120 50.1 40.4 60.6

91 53.0 44.6 67.0

77 21.5 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 8.023 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Instrument :

MSVOA_L

ClientSampleId :

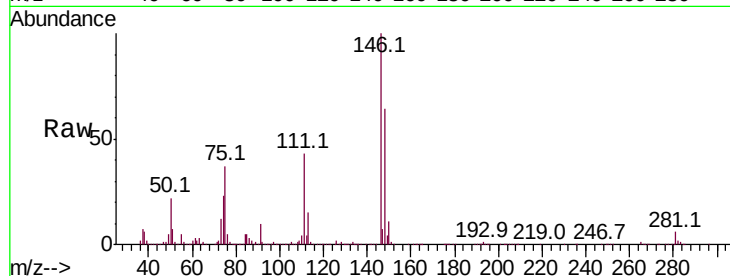
Tot Ion:146 Resp: 3475752

Ion Ratio Lower Upper

146 100

111 43.9 23.4 70.0

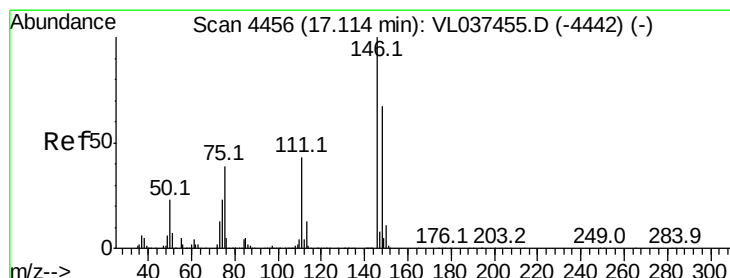
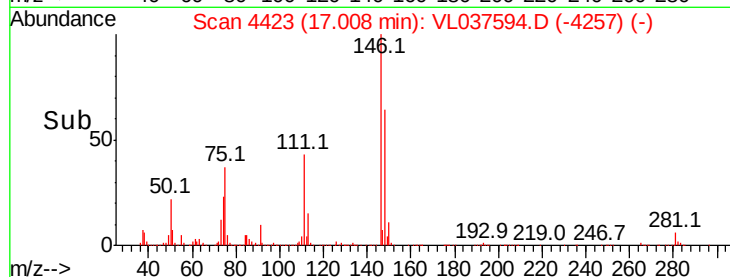
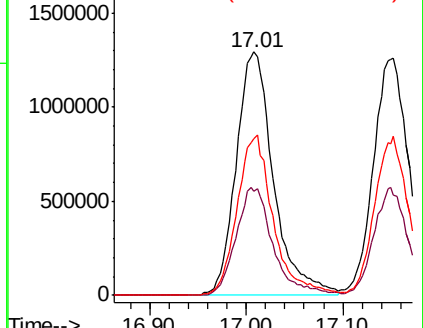
148 63.6 33.1 99.5



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: 7.749 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

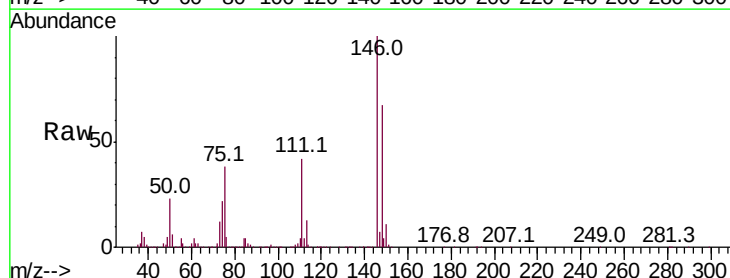
Tgt Ion:146 Resp: 3381899

Ion Ratio Lower Upper

146 100

111 43.8 22.1 66.5

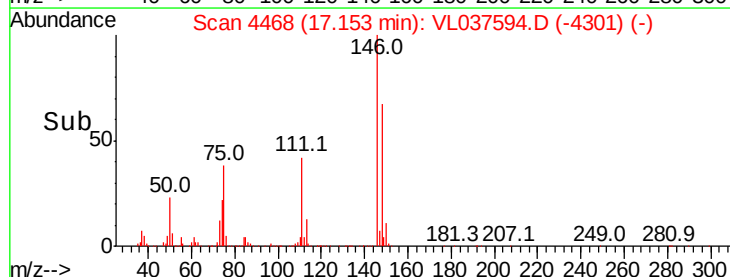
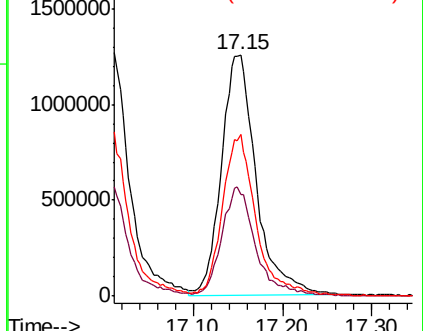
148 64.3 32.4 97.0

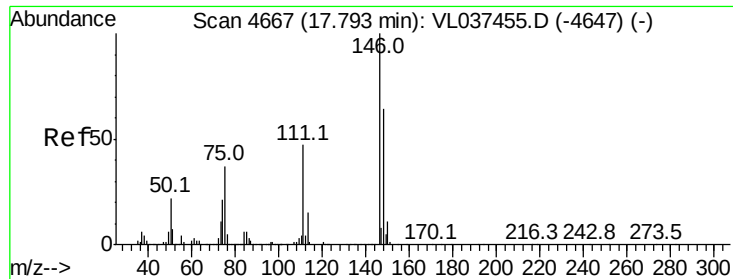


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

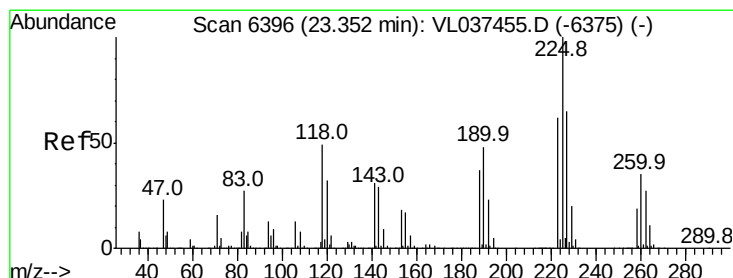
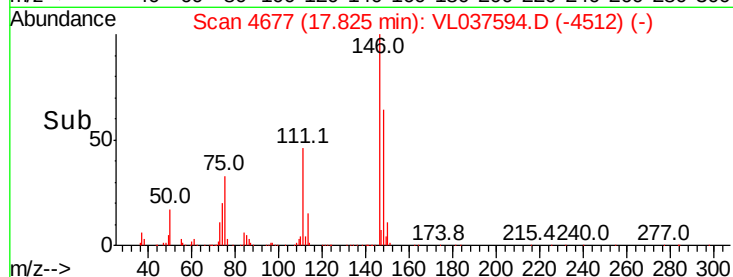
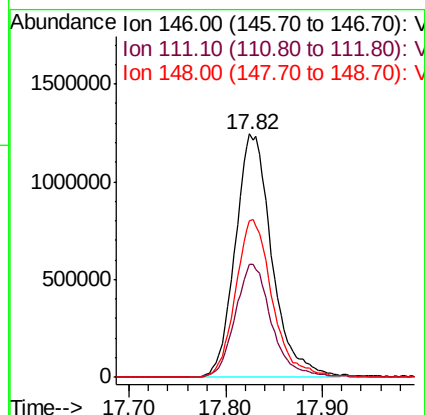
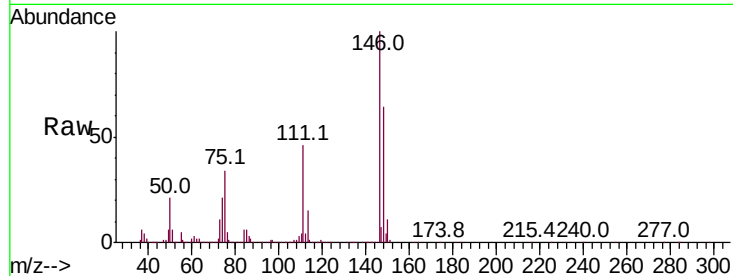




#77
 1,2-Dichlorobenzene
 Concen: 7.675 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

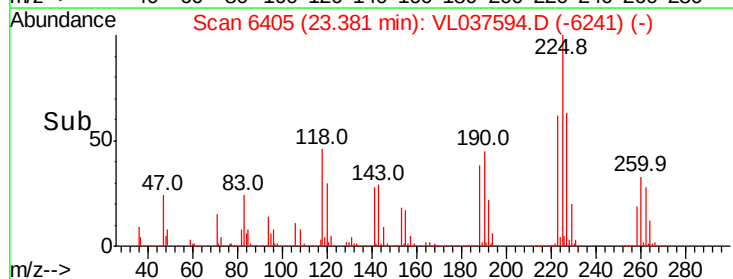
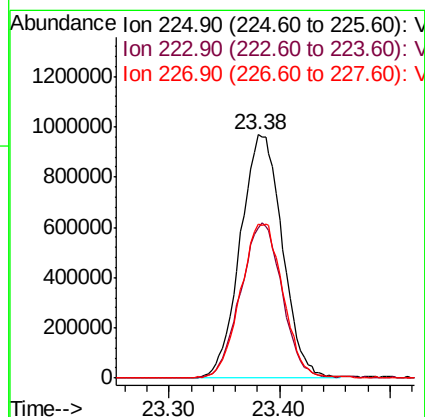
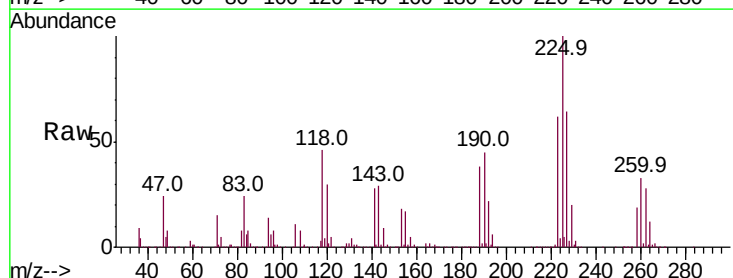
Instrument :
 MSVOA_L
 ClientSampleId :

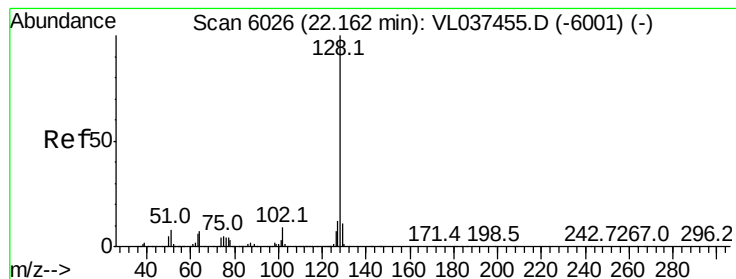
Tot Ion:146 Resp: 3274244
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.4 70.3
 148 65.4 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.206 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.03 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Tgt Ion:225 Resp: 2555637
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.4 77.0
 227 64.4 52.9 79.3





#79

Naphthalene

Concen: 9.178 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. 0.04 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

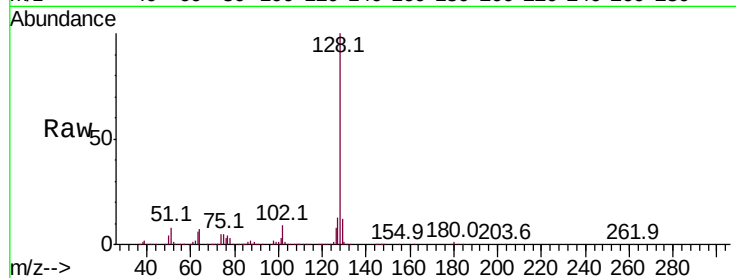
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 4420296

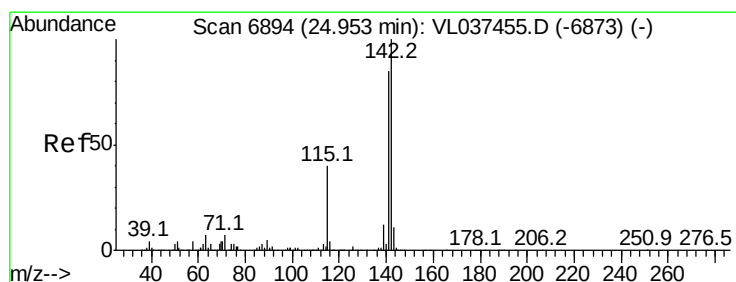
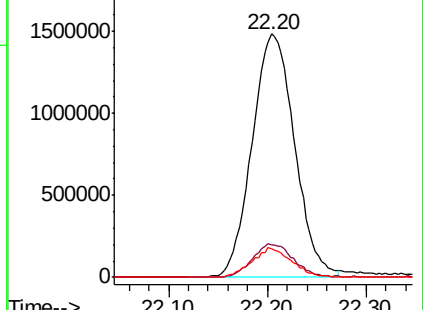
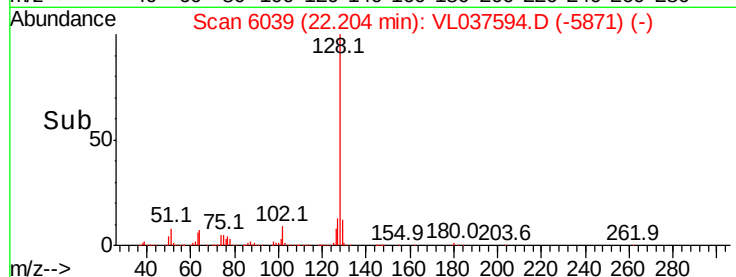
Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.4	14.2
129	11.9	8.8	13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.375 ppbv

RT: 24.98 min Scan# 6901

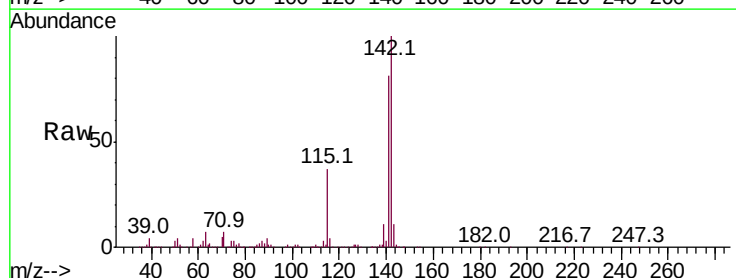
Delta R.T. 0.02 min

Lab File: VL037594.D

Acq: 9 Sep 2021 11:52

Tgt Ion:142 Resp: 1526200

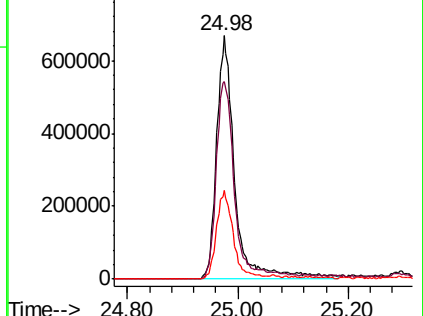
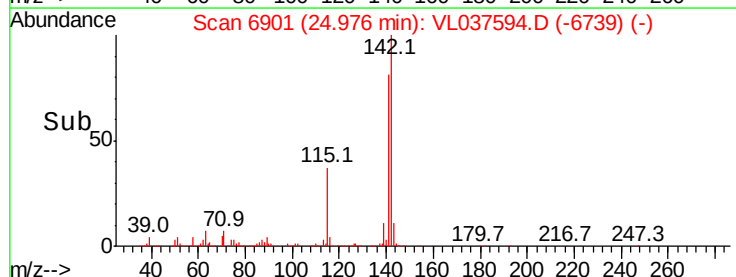
Ion	Ratio	Lower	Upper
142	100		
141	84.3	64.7	97.1
115	33.7	28.4	42.6

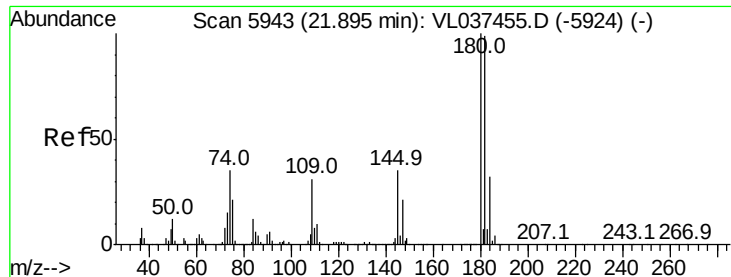


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



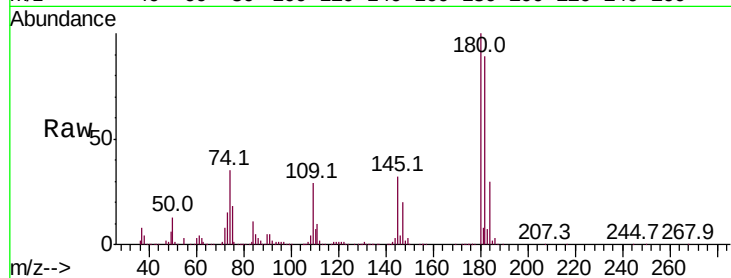


#81
 1,2,4-Trichlorobenzene
 Concen: 8.827 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. 0.04 min
 Lab File: VL037594.D
 Acq: 9 Sep 2021 11:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2667883

Ion	Ratio	Lower	Upper
180	100		
182	98.3	79.6	119.4
184	31.1	25.4	38.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

