

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037539.D
 Acq On : 4 Sep 2021 2:29
 Operator : SY/AP
 Sample : VSTDCCC010EC
 Misc : 400mL/MSVOA L
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Sep 04 04:24:21 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	5.66	49	1835158	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	5287313	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	5993906	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3617458	8.49	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2525776	8.578	ppbv 99
3) Chlorodifluoromethane	2.99	51	3155594	8.980	ppbv 99
4) Chloromethane	3.14	50	1186958	9.452	ppbv 97
5) Vinyl Chloride	3.26	62	1219019	9.475	ppbv 100
6) Bromomethane	3.47	94	660490	9.372	ppbv 96
7) Chloroethane	3.56	64	413247	9.411	ppbv 90
8) Dichlorotetrafluoroethane	3.19	85	2703970	8.895	ppbv 99
9) Propene	3.01	41	1198167	9.529	ppbv 98
10) Heptane	8.12	43	2884515	9.967	ppbv 97
11) Trichlorofluoromethane	3.95	101	2453330	8.876	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1839038	9.067	ppbv 99
13) Ethanol	3.61	45	118757	9.706	ppbv 89
14) Bromoethene	3.74	108	861257	9.354	ppbv 99
15) Acetone	3.85	43	1407355	7.535	ppbv 99
16) 1,3-Butadiene	3.32	39	1171730	9.780	ppbv 99
17) tert-Butyl alcohol	4.29	59	1638625	9.604	ppbv 99
18) 1,1-Dichloroethene	4.29	96	852023	9.248	ppbv 97
19) Isopropyl Alcohol	3.96	45	995188	9.301	ppbv # 96
20) Methylene Chloride	4.34	84	721776	7.719	ppbv 97
21) Allyl Chloride	4.41	41	1384118	9.124	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	794621	8.645	ppbv 98
23) Vinyl Acetate	5.07	43	2908248	10.564	ppbv 99
24) 1,1-Dichloroethane	5.01	63	2043669	10.236	ppbv 99
25) Ethyl Acetate	5.67	43	4504991	9.502	ppbv 100
26) Hexane	5.68	57	2149157	9.271	ppbv 98
27) Carbon Disulfide	4.55	76	2030632	9.829	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	2240329	10.062	ppbv 99
29) Chloroform	5.75	83	2987840	9.095	ppbv 99
30) Cyclohexane	7.12	84	1802547	9.332	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	2016519	9.611	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2882487	8.930	ppbv 99
34) 2-Butanone	5.24	43	2025315	9.380	ppbv 96
35) Carbon Tetrachloride	7.01	117	2973957	9.517	ppbv 98
36) Benzene	6.89	78	4383462	9.862	ppbv 99
37) 1,2-Dichloroethane	6.30	62	2073930	9.420	ppbv 99
38) Trichloroethene	7.83	130	1732320	9.499	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1684046	9.860	ppbv 97
40) 1,4-Dioxane	7.83	88	272209	6.506	ppbv # 100
41) Tetrahydrofuran	6.05	42	1104903	10.623	ppbv 97
42) Bromodichloromethane	7.79	83	3169913	9.846	ppbv 95
43) Methyl Methacrylate	8.01	69	1601519	10.338	ppbv 99

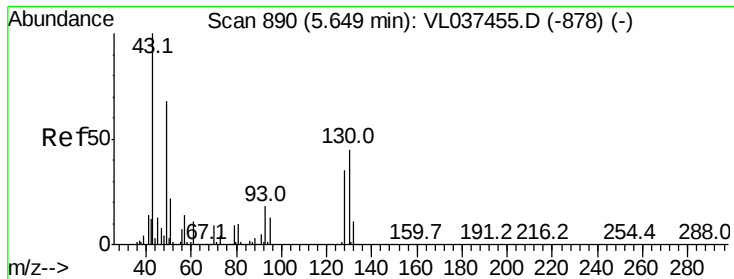
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	7240180	9.679	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1399205	11.998	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1835111	11.281	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1770773	9.595	ppbv	98
48) Dibromochloromethane	10.30	129	2716419	10.229	ppbv	100
49) Bromoform	13.03	173	2160469	10.320	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2899016	10.292	ppbv	99
51) 2-Hexanone	10.13	43	1371875	10.589	ppbv	98
52) Tetrachloroethene	11.22	164	1615259	8.868	ppbv	99
53) Toluene	9.80	91	5073651	9.997	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2523970	9.797	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1888027	7.559	ppbv #	56
57) Chlorobenzene	12.14	112	3657942	7.354	ppbv	99
58) Ethyl Benzene	12.70	91	6365251	7.652	ppbv	98
59) m/p-Xylene	12.99	91	5396790	7.484	ppbv #	30
60) o-Xylene	13.69	91	4847550	7.202	ppbv	98
61) Styrene	13.52	104	2838368	8.118	ppbv	99
62) Isopropylbenzene	14.66	105	6881424	7.245	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3566700	7.130	ppbv	99
64) n-propylbenzene	15.56	120	1846484	7.639	ppbv	96
65) tert-Butylbenzene	16.74	119	6014174	6.952	ppbv	99
66) Benzyl Chloride	16.98	91	385038	9.839	ppbv	96
67) sec-Butylbenzene	17.28	105	8343441	6.902	ppbv	100
69) p-Isopropyltoluene	17.64	119	6998660	7.105	ppbv	100
70) n-Butylbenzene	18.54	91	6817275	7.242	ppbv	100
71) 2-Chlorotoluene	15.44	91	5023380	7.212	ppbv	100
72) 4-Ethyltoluene	15.83	105	6127671	7.654	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	5370444	7.207	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5428438	6.855	ppbv #	90
75) 1,3-Dichlorobenzene	16.99	146	3398708	7.131	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	3252720	6.774	ppbv	97
77) 1,2-Dichlorobenzene	17.81	146	3153299	6.718	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2805127	7.188	ppbv	99
79) Naphthalene	22.18	128	5151098	9.721	ppbv	97
80) Naphthalene, 2-methyl-	24.96	142	1787193	12.106	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2872581	8.639	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

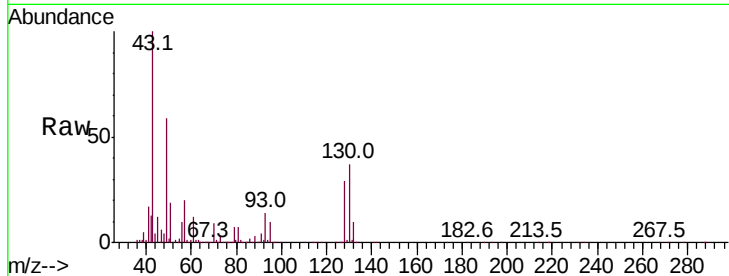
Tot Ion: 49 Resp: 1835158

Ion Ratio Lower Upper

49 100

128 53.1 27.5 82.4

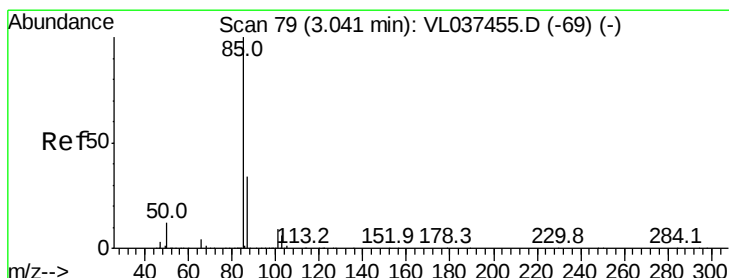
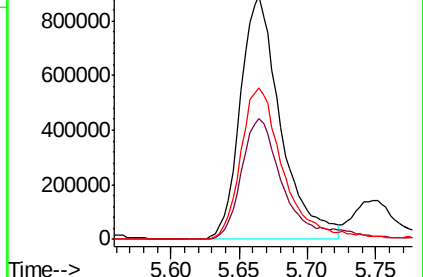
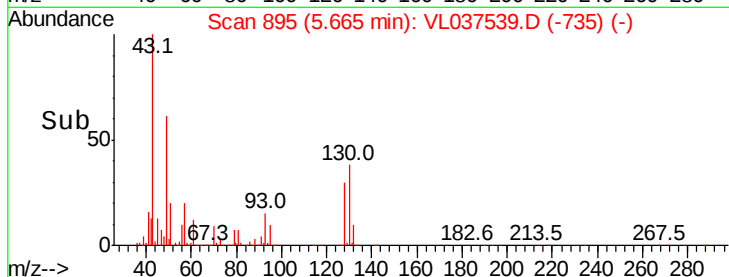
130 66.7 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.578 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037539.D

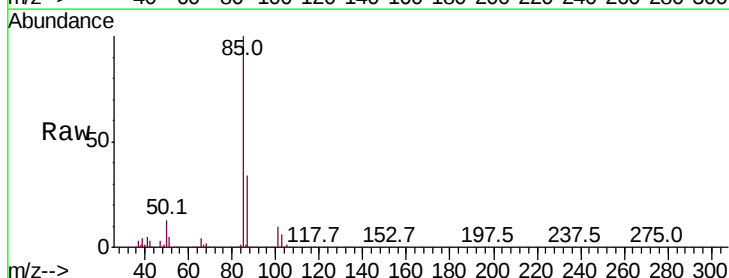
Acq: 4 Sep 2021 2:29

Tgt Ion: 85 Resp: 2525776

Ion Ratio Lower Upper

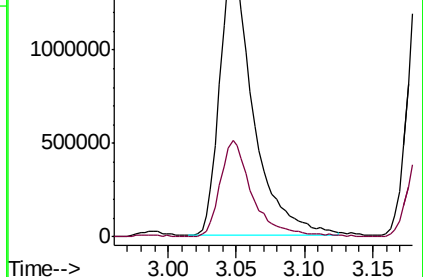
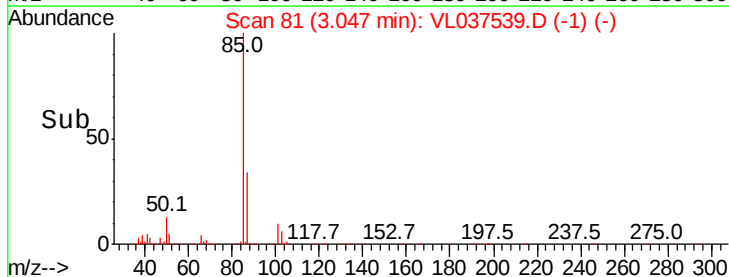
85 100

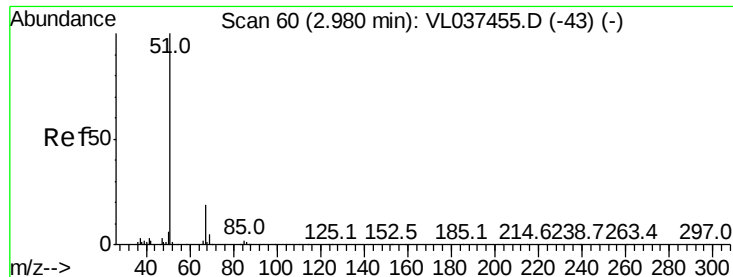
87 33.9 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

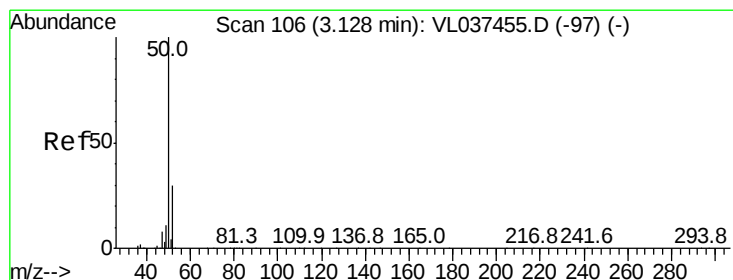
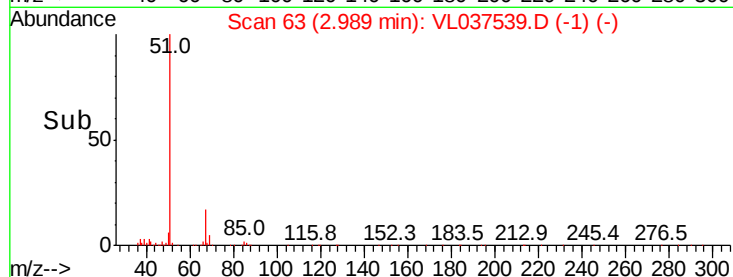
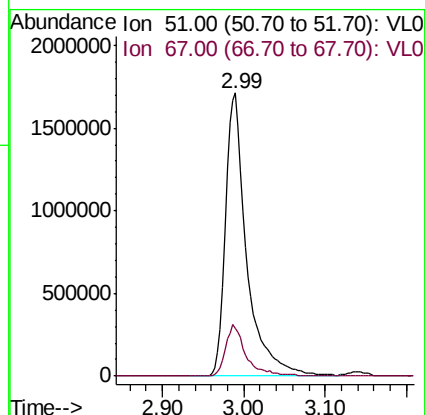
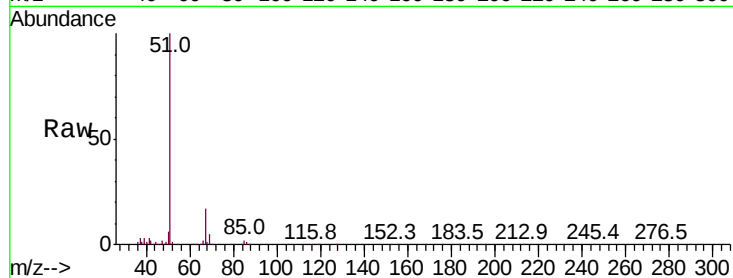




#3
 Chlorodifluoromethane
 Concen: 8.980 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

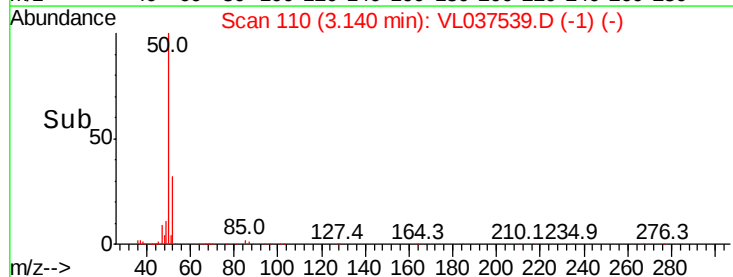
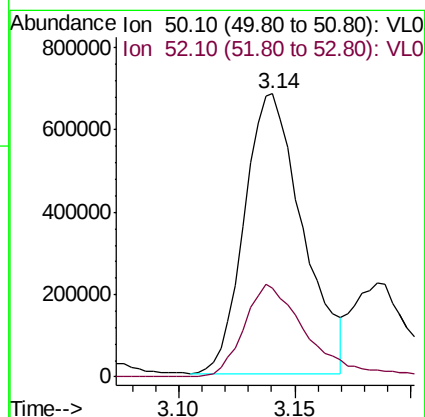
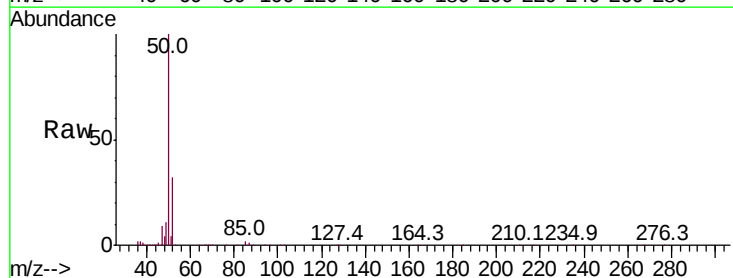
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

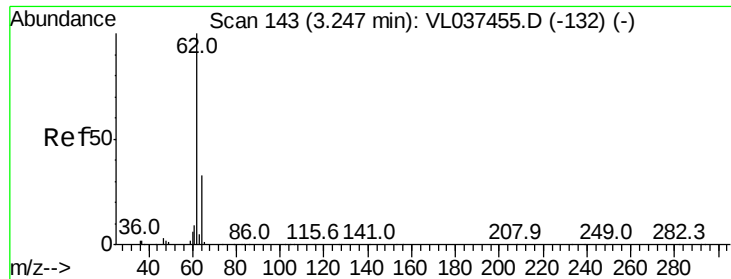
Tot Ion: 51 Resp: 3155594
 Ion Ratio Lower Upper
 51 100
 67 17.4 14.2 21.2



#4
 Chloromethane
 Concen: 9.452 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion: 50 Resp: 1186958
 Ion Ratio Lower Upper
 50 100
 52 31.9 24.0 36.0





#5

Vinyl Chloride

Concen: 9.475 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

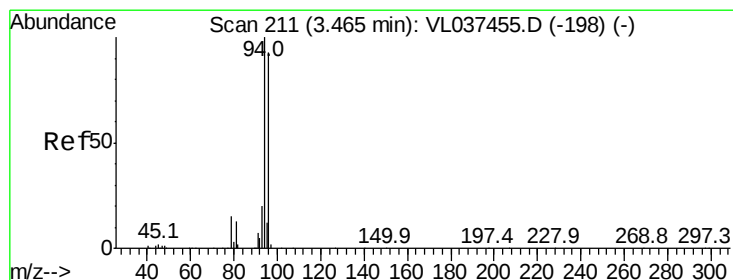
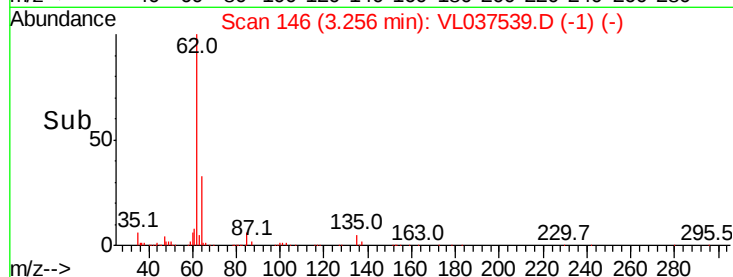
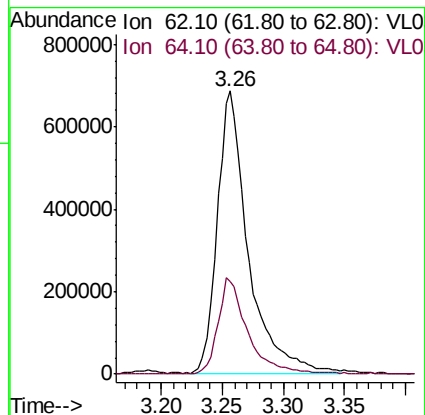
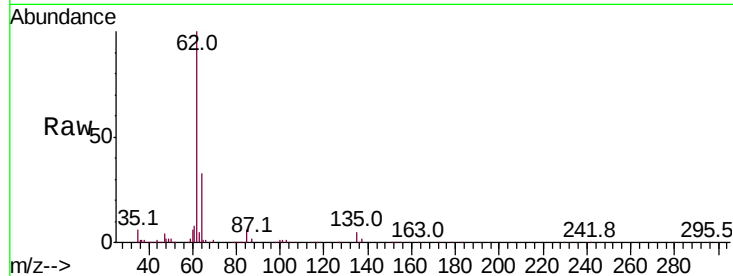
VSTDCCC010EC

Tot Ion: 62 Resp: 1219019

Ion Ratio Lower Upper

62 100

64 32.9 26.5 39.7



#6

Bromomethane

Concen: 9.372 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL037539.D

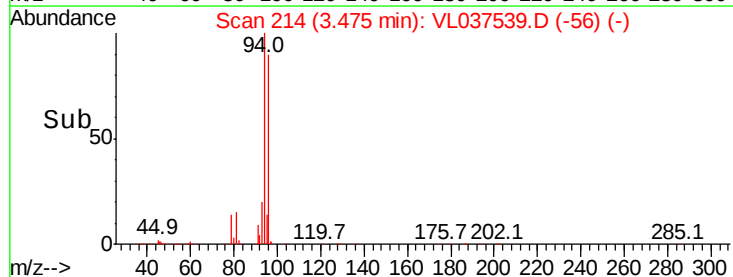
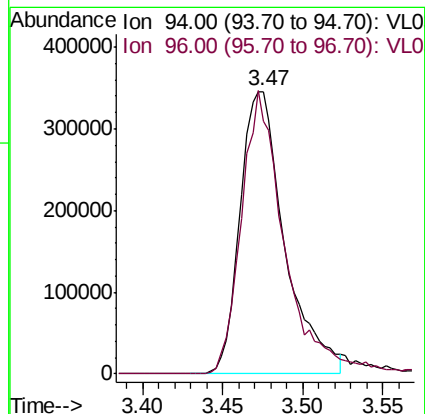
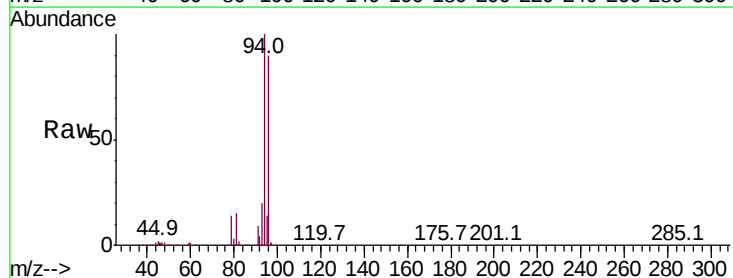
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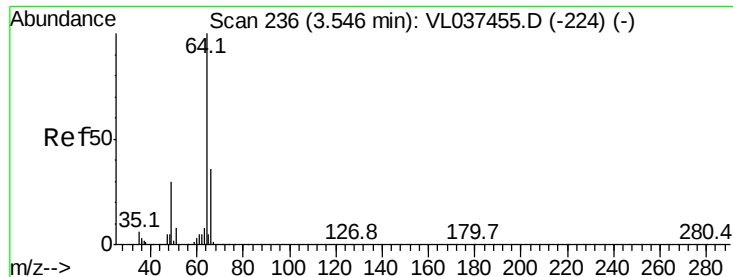
Tgt Ion: 94 Resp: 660490

Ion Ratio Lower Upper

94 100

96 89.6 74.5 111.7





#7

Chloroethane

Concen: 9.411 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

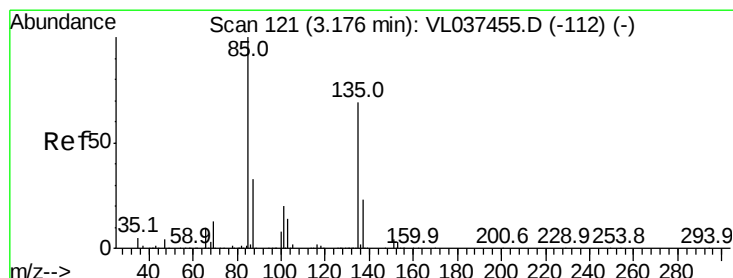
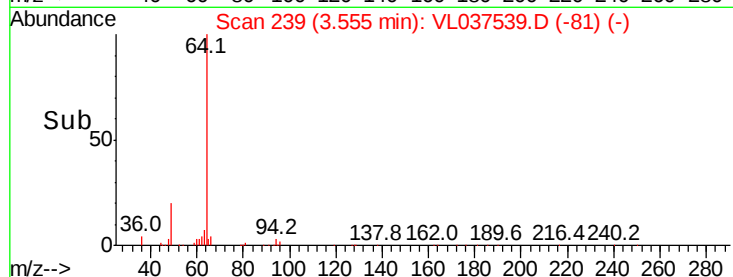
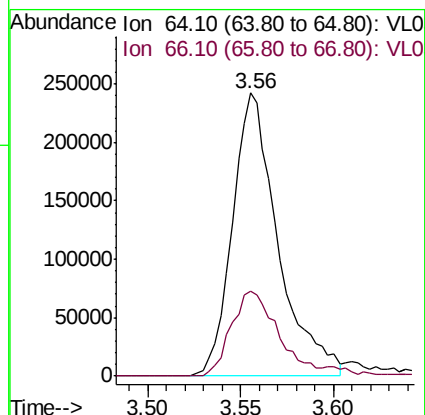
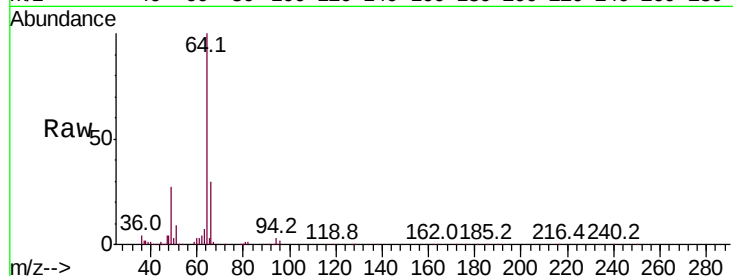
VSTDCCC010EC

Tot Ion: 64 Resp: 413247

Ion Ratio Lower Upper

64 100

66 30.0 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 8.895 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.01 min

Lab File: VL037539.D

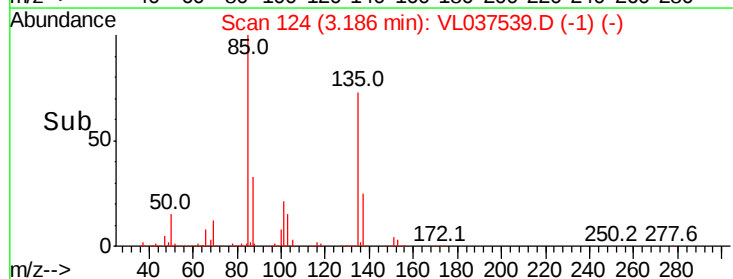
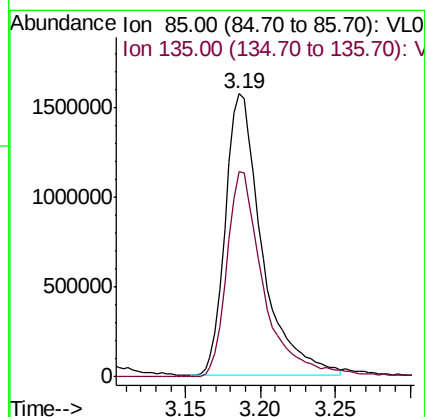
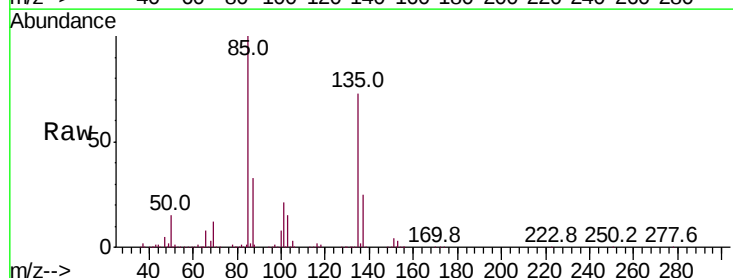
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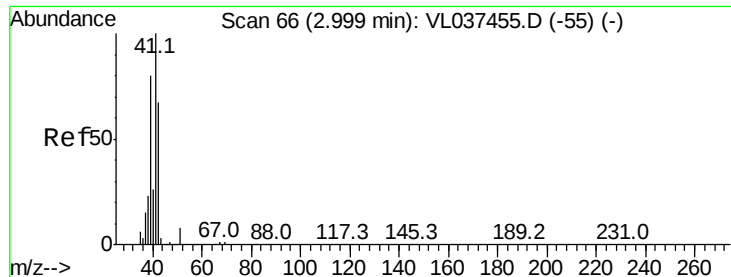
Tgt Ion: 85 Resp: 2703970

Ion Ratio Lower Upper

85 100

135 74.0 58.8 88.2





#9

Propene

Concen: 9.529 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

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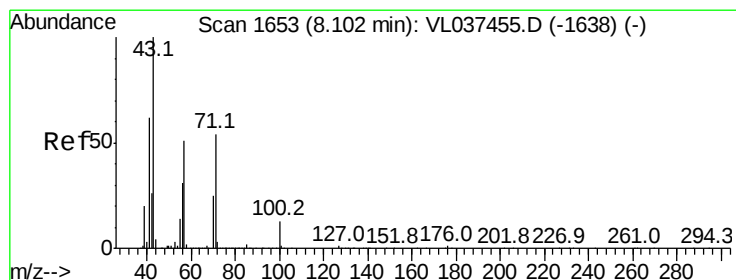
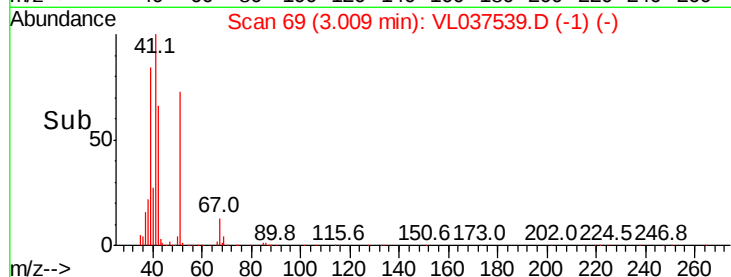
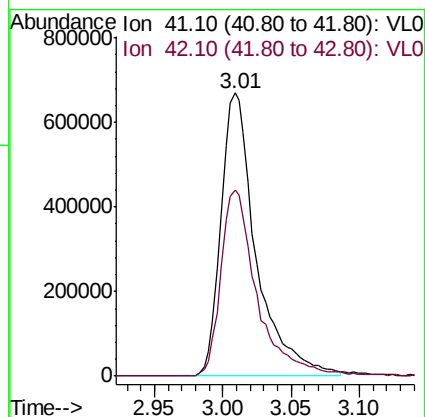
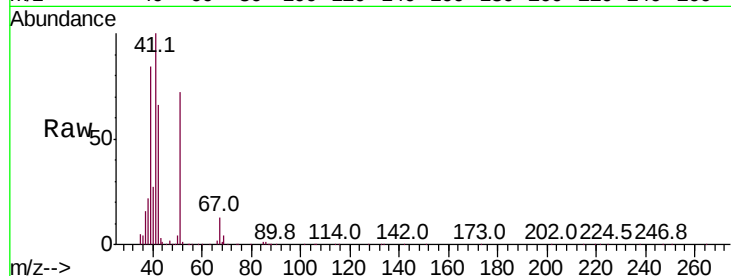
VSTDCCC010EC

Tot Ion: 41 Resp: 1198167

Ion Ratio Lower Upper

41 100

42 68.4 53.7 80.5



#10

Heptane

Concen: 9.967 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL037539.D

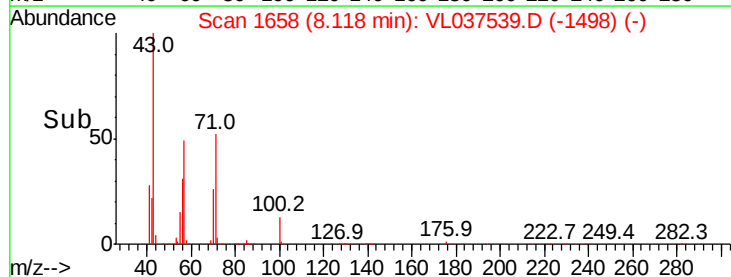
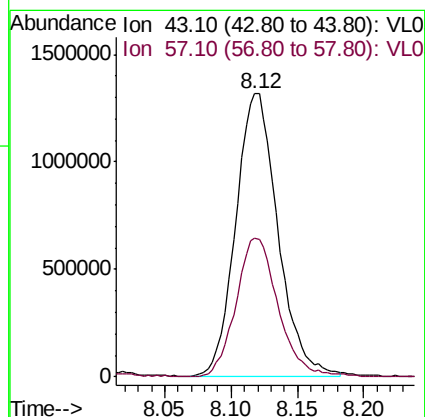
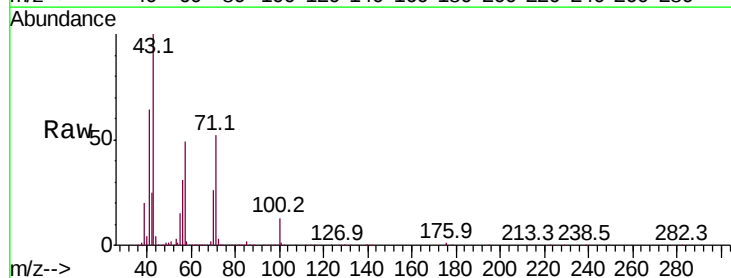
Acq: 4 Sep 2021 2:29

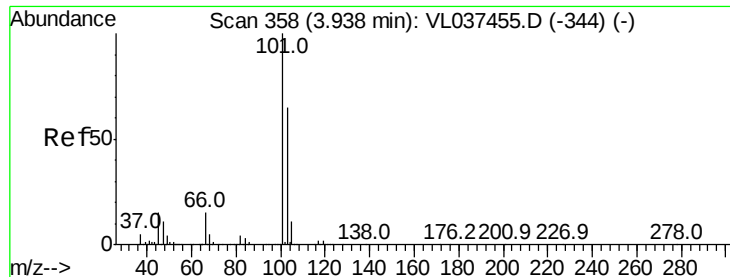
Tgt Ion: 43 Resp: 2884515

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6

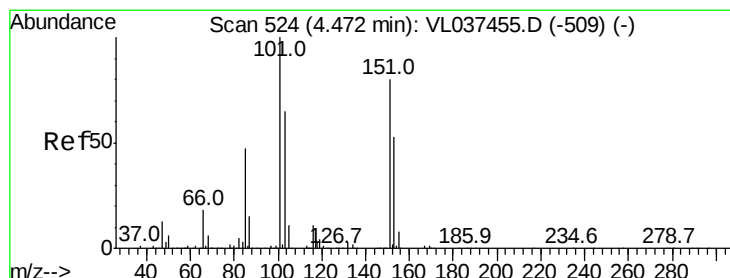
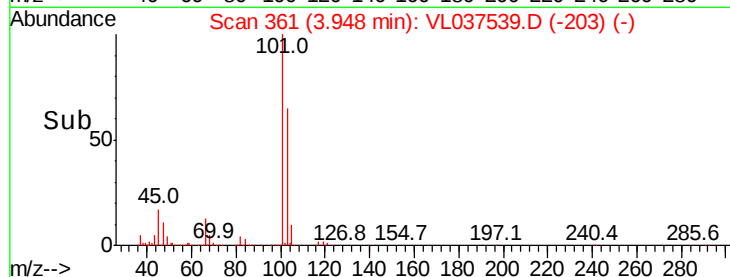
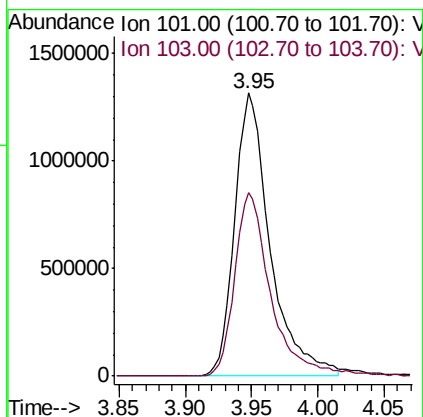
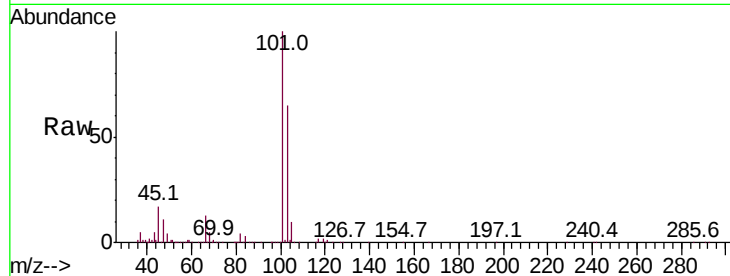




#11
 Trichlorofluoromethane
 Concen: 8.876 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

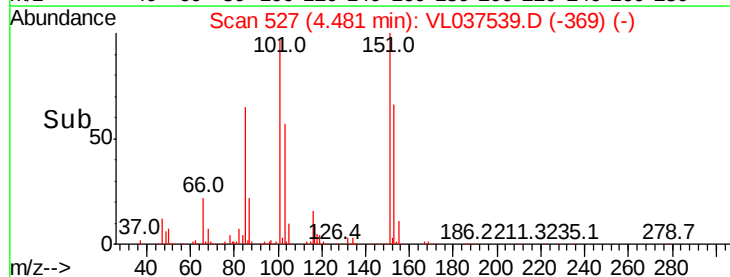
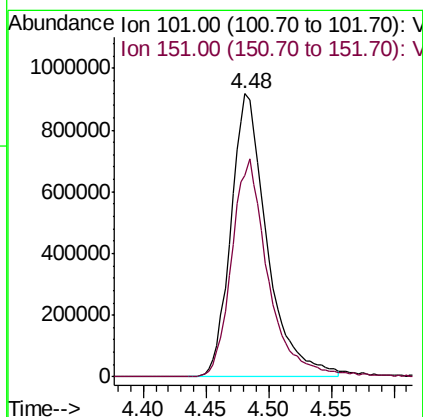
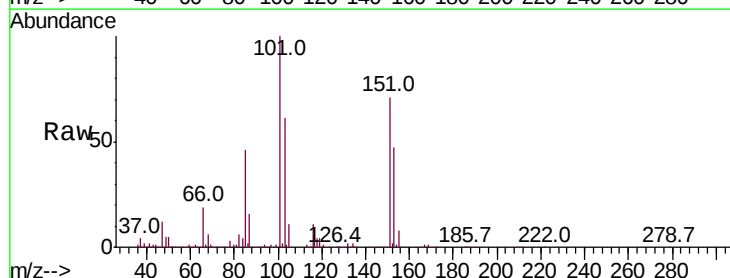
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

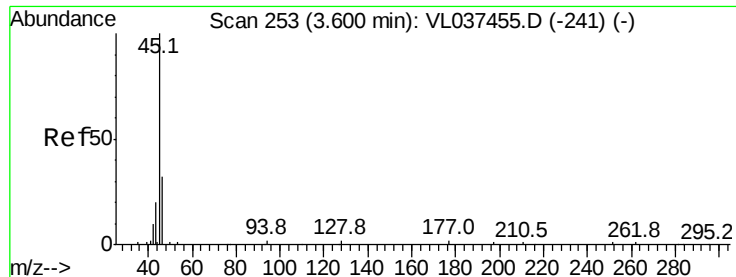
Tot Ion:101 Resp: 2453330
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.067 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion:101 Resp: 1839038
 Ion Ratio Lower Upper
 101 100
 151 78.4 63.7 95.5





#13

Ethanol

Concen: 9.706 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

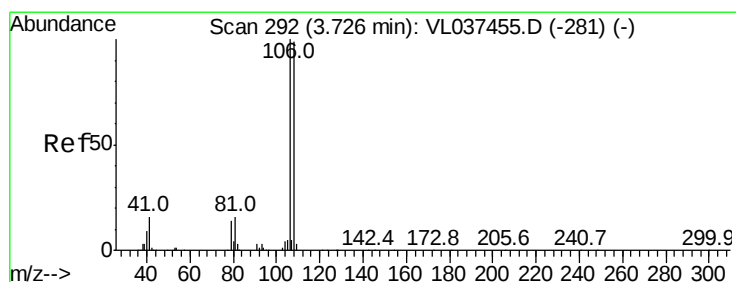
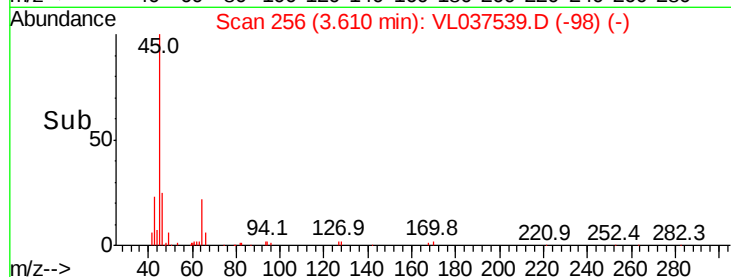
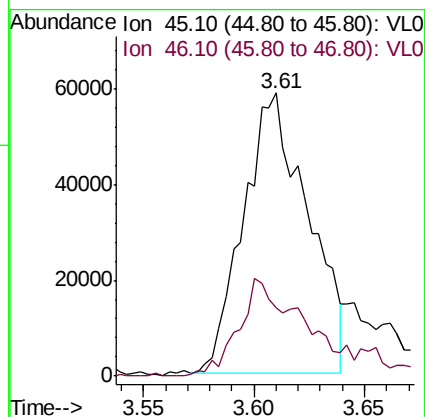
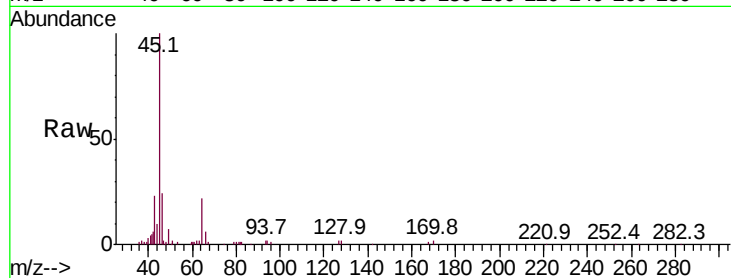
VSTDCCC010EC

Tot Ion: 45 Resp: 118757

Ion Ratio Lower Upper

45 100

46 41.9 14.1 56.5



#14

Bromoethene

Concen: 9.354 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

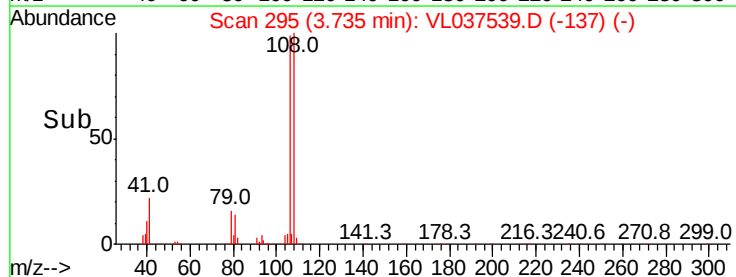
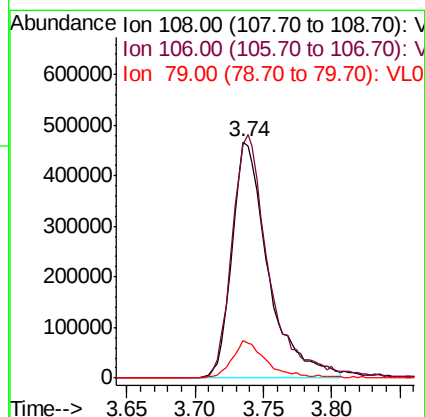
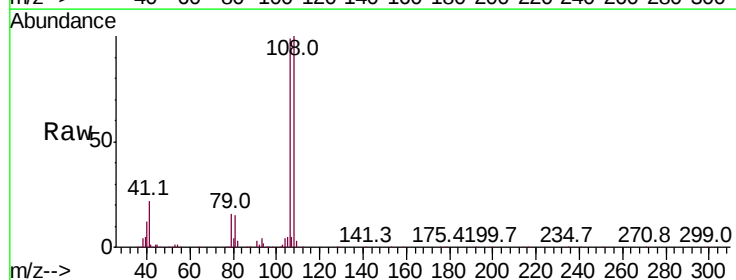
Tgt Ion: 108 Resp: 861257

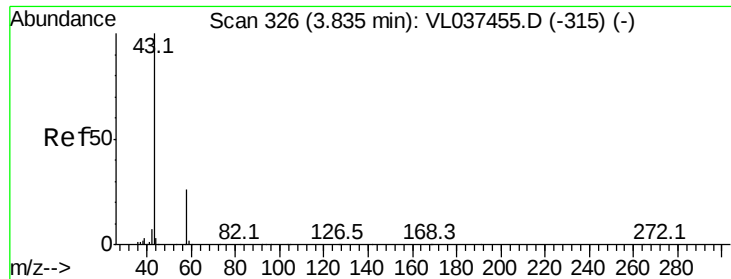
Ion Ratio Lower Upper

108 100

106 106.7 85.8 128.8

79 15.6 12.6 18.8





#15

Acetone

Concen: 7.535 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

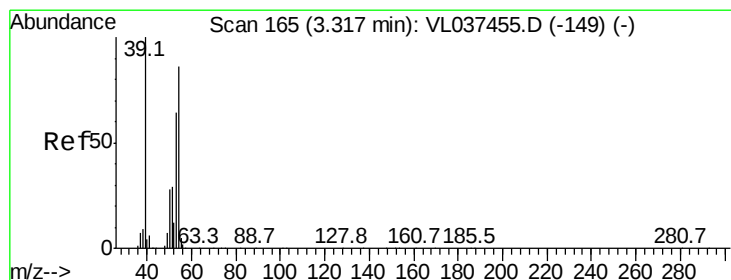
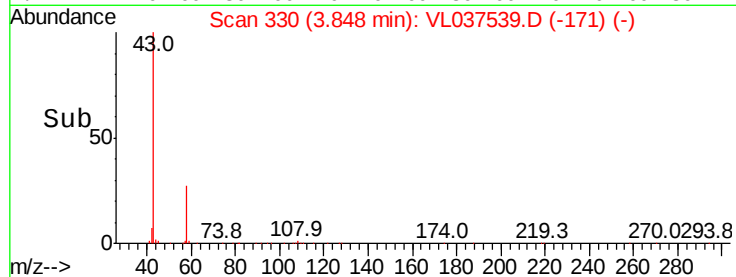
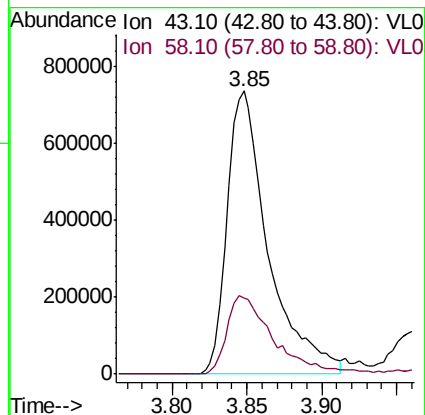
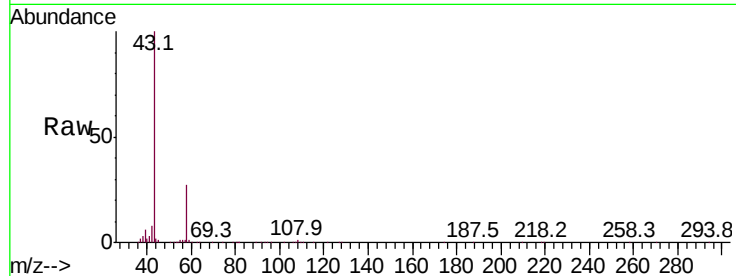
VSTDCCC010EC

Tot Ion: 43 Resp: 1407355

Ion Ratio Lower Upper

43 100

58 31.8 24.8 37.2



#16

1,3-Butadiene

Concen: 9.780 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.01 min

Lab File: VL037539.D

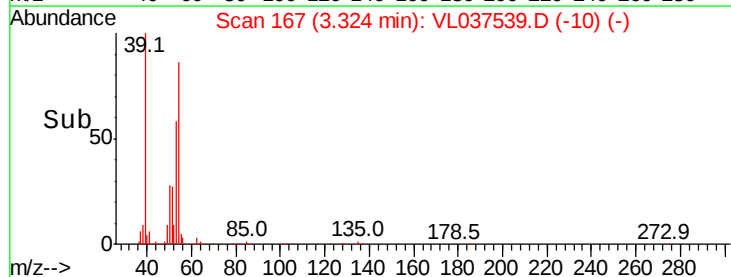
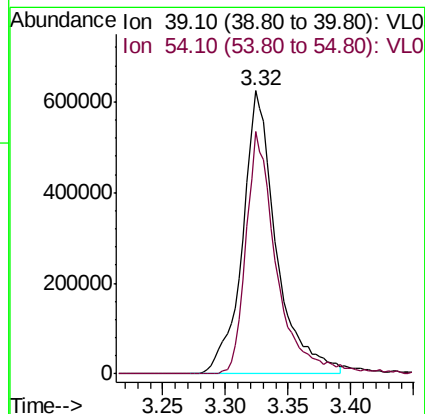
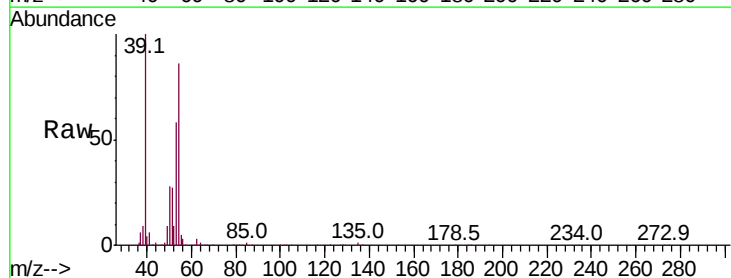
Acq: 4 Sep 2021 2:29

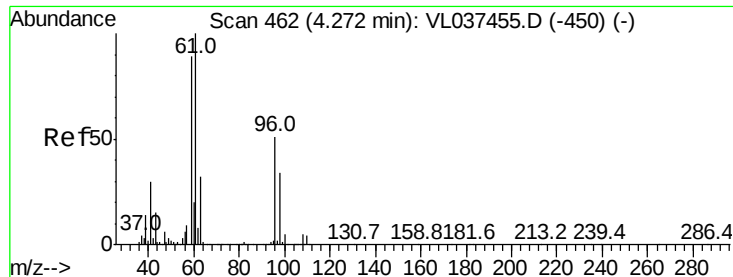
Tgt Ion: 39 Resp: 1171730

Ion Ratio Lower Upper

39 100

54 78.3 63.7 95.5



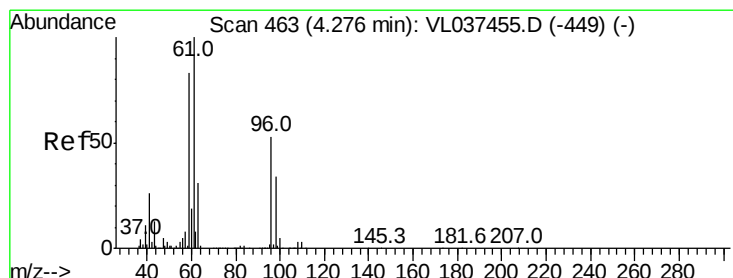
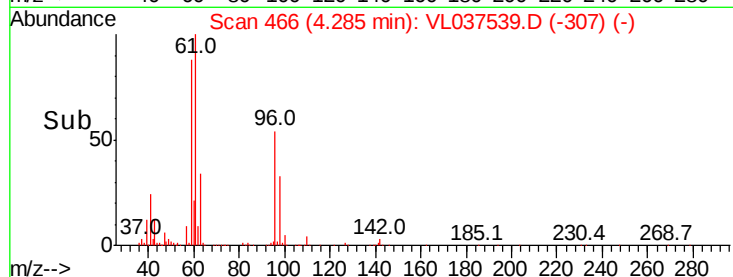
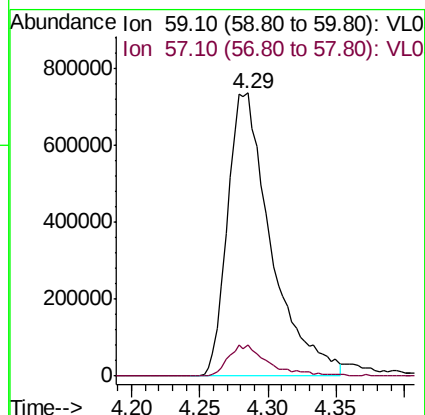
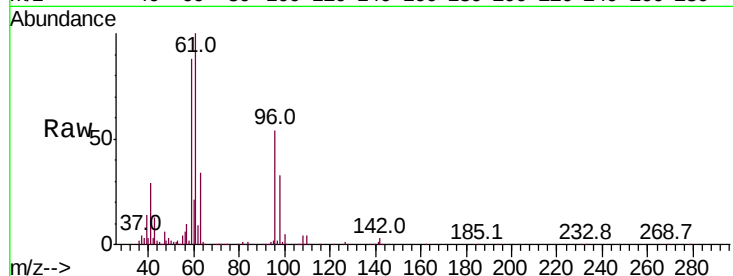


#17

tert-Butyl alcohol
Concen: 9.604 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

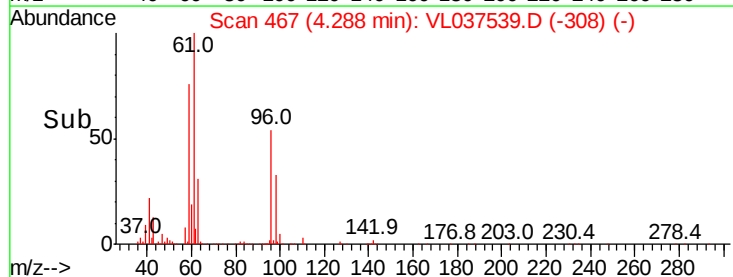
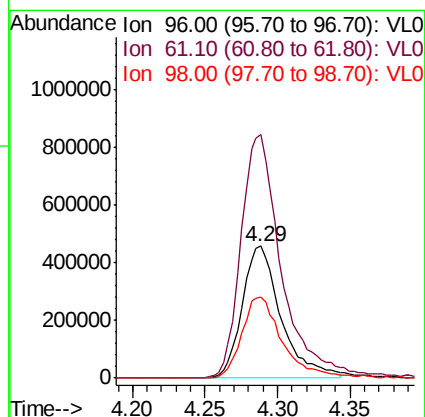
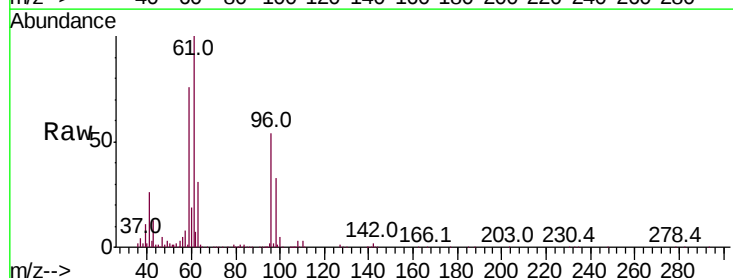
Tot Ion: 59 Resp: 1638625
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

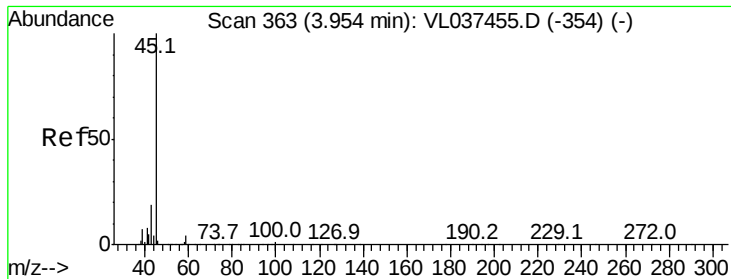


#18

1,1-Dichloroethene
Concen: 9.248 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 96 Resp: 852023
Ion Ratio Lower Upper
96 100
61 184.9 151.1 226.7
98 61.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.301 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

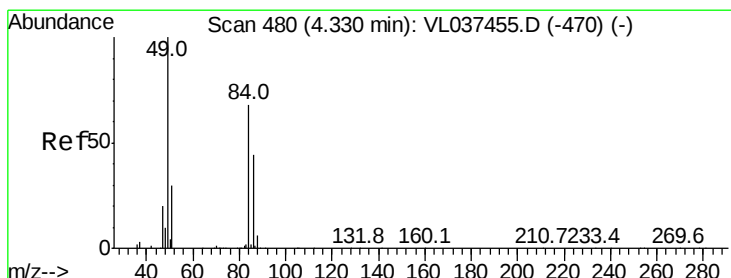
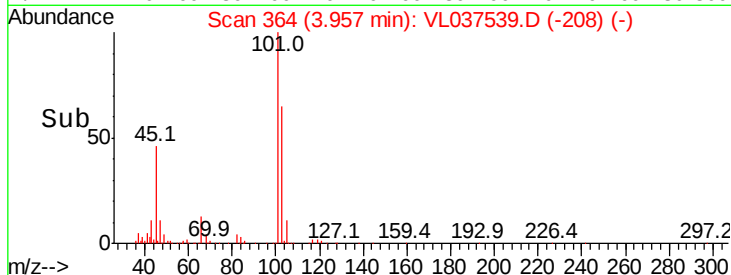
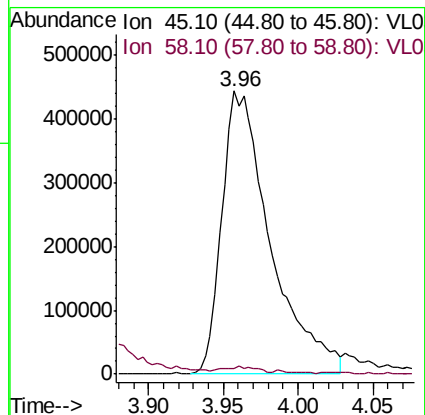
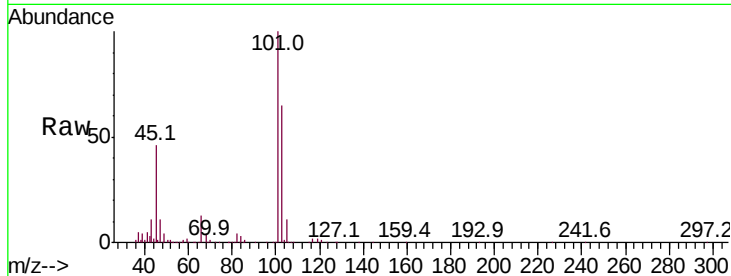
VSTDCCC010EC

Tot Ion: 45 Resp: 995188

Ion Ratio Lower Upper

45 100

58 3.2 1.4 2.2#



#20

Methylene Chloride

Concen: 7.719 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Tgt Ion: 84 Resp: 721776

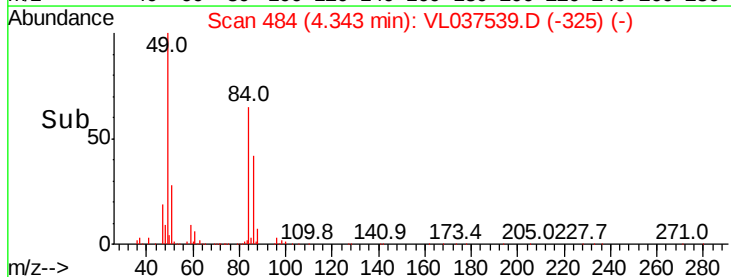
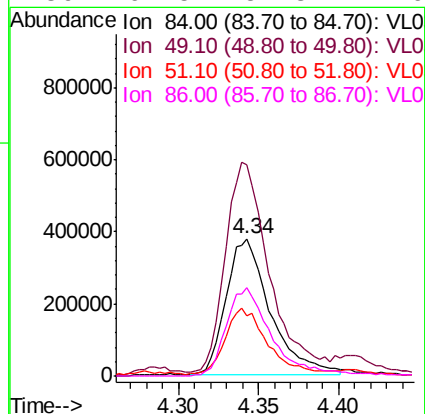
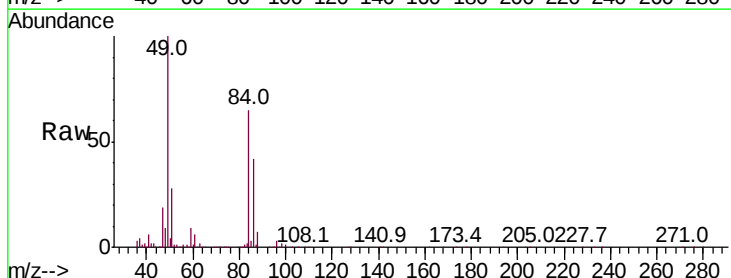
Ion Ratio Lower Upper

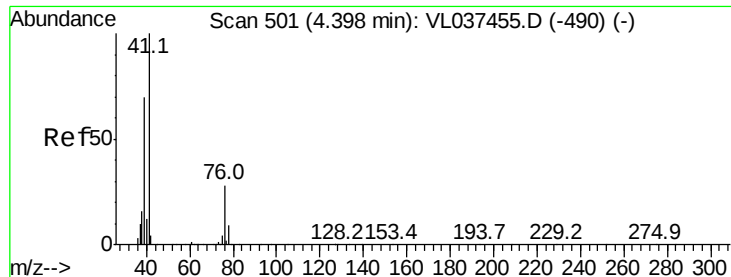
84 100

49 152.5 118.2 177.2

51 42.3 36.6 55.0

86 64.5 51.8 77.6

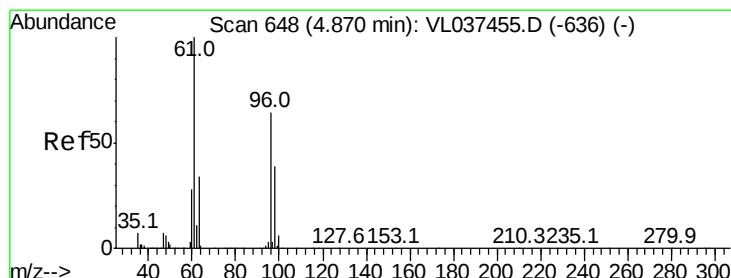
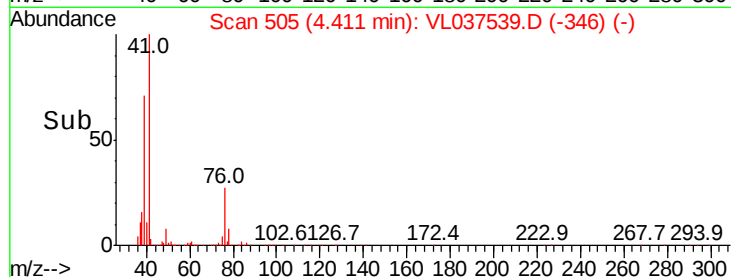
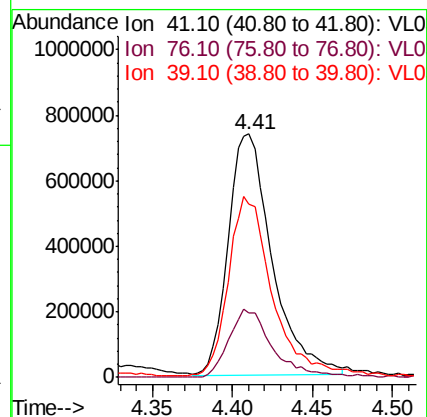
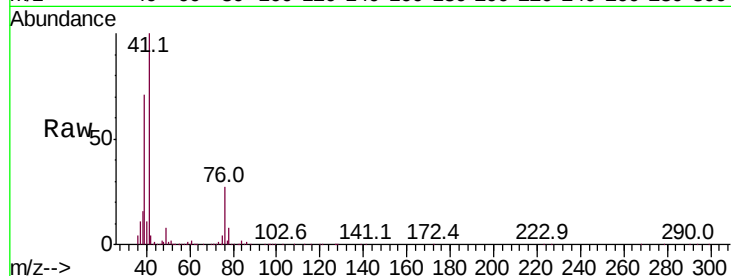




#21
Allvl Chloride
Concen: 9.124 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

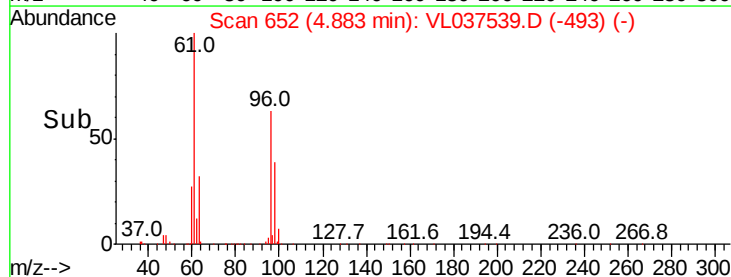
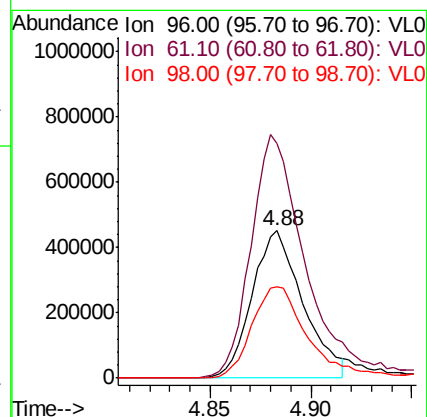
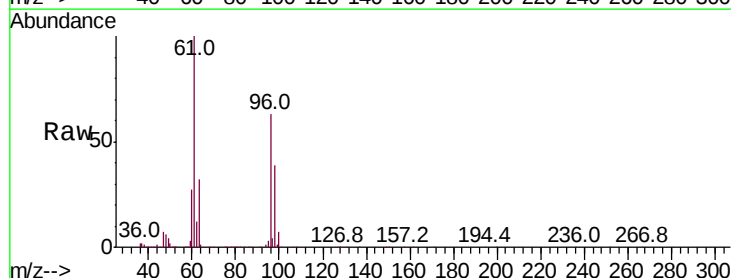
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

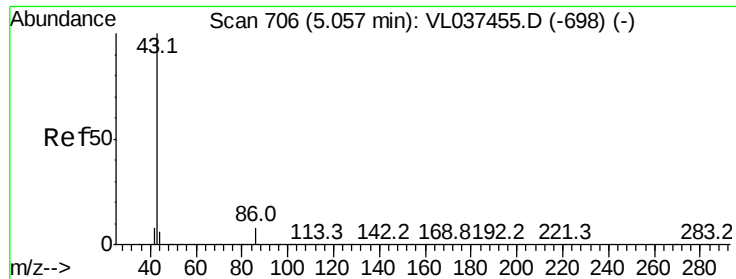
Tot Ion: 41 Resp: 1384118
Ion Ratio Lower Upper
41 100
76 28.5 21.8 32.6
39 76.3 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 8.645 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 96 Resp: 794621
Ion Ratio Lower Upper
96 100
61 159.8 125.5 188.3
98 62.0 49.0 73.4





#23

Vinyl Acetate

Concen: 10.564 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2908248

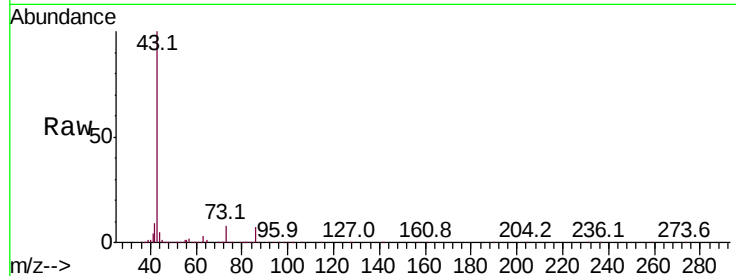
Ion Ratio Lower Upper

43 100

86 7.1 5.7 8.5

42 9.1 7.4 11.2

44 4.8 4.3 6.5

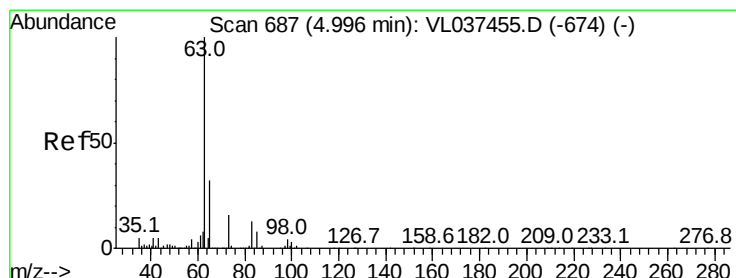
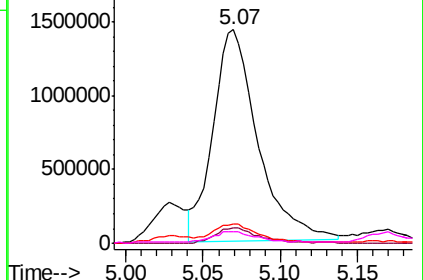
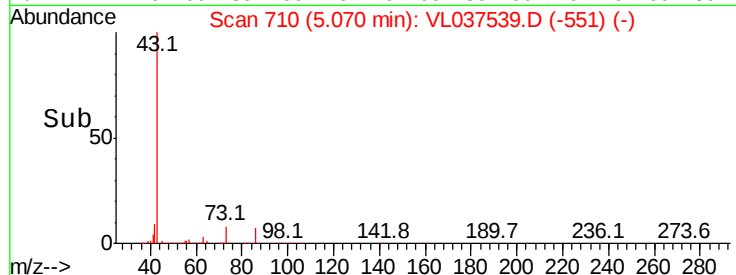


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.236 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

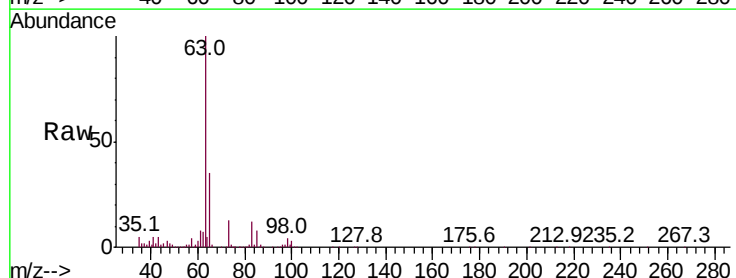
Tgt Ion: 63 Resp: 2043669

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.3

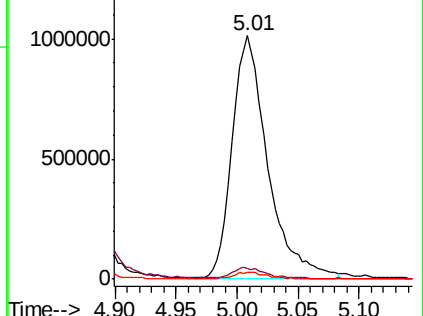
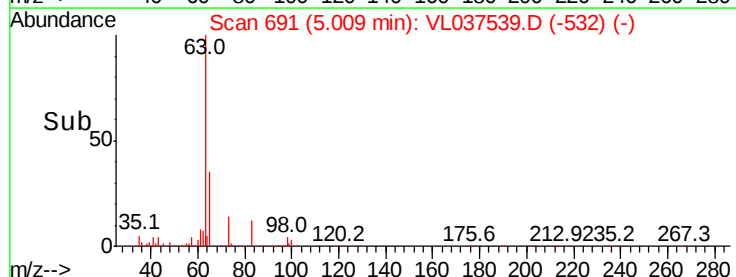
100 2.7 1.6 4.7

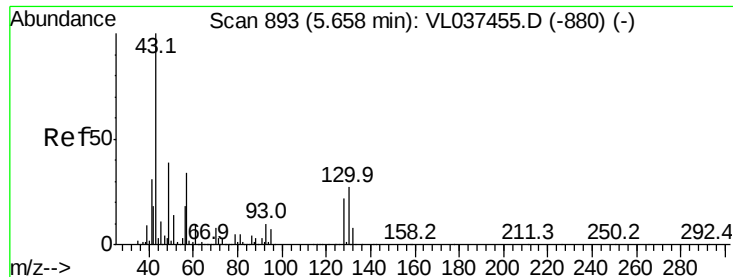


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



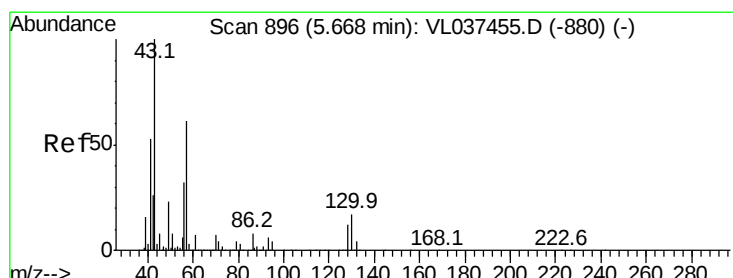
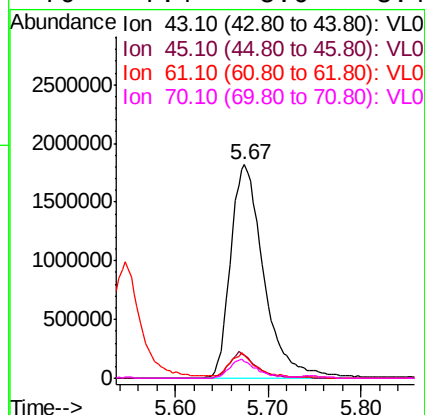
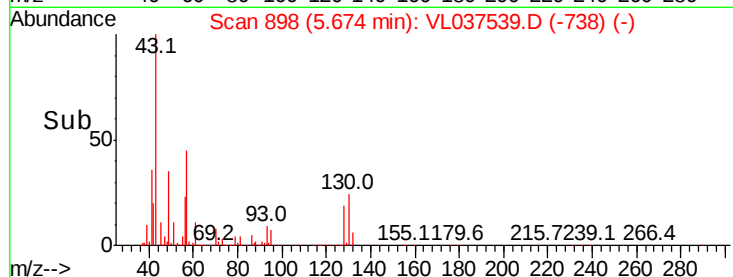
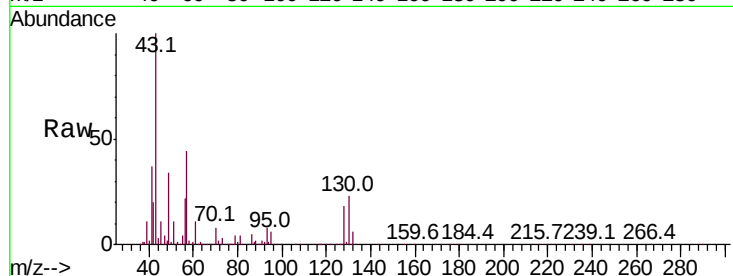


#25
Ethyl Acetate
Concen: 9.502 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 4504991

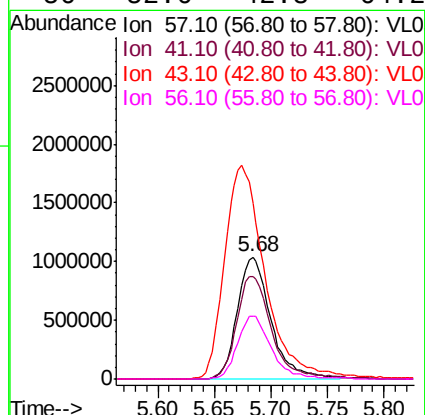
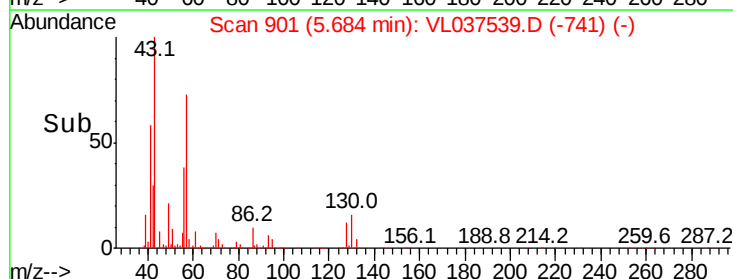
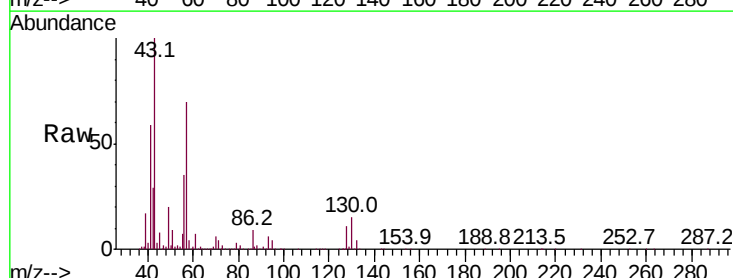
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.9	8.0	12.0
70	7.4	5.6	8.4

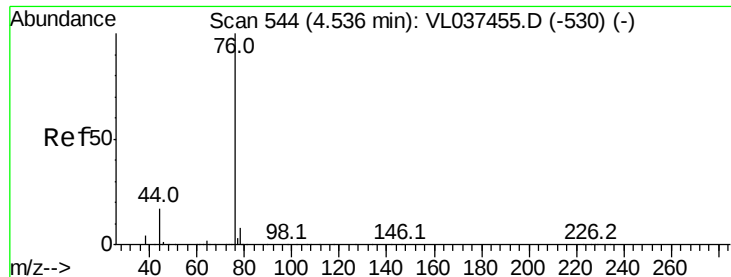


#26
Hexane
Concen: 9.271 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 57 Resp: 2149157

Ion	Ratio	Lower	Upper
57	100		
41	88.4	72.3	108.5
43	212.1	172.3	258.5
56	52.6	42.8	64.2





#27

Carbon Disulfide

Concen: 9.829 ppbv

RT: 4.55 min Scan# 547

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

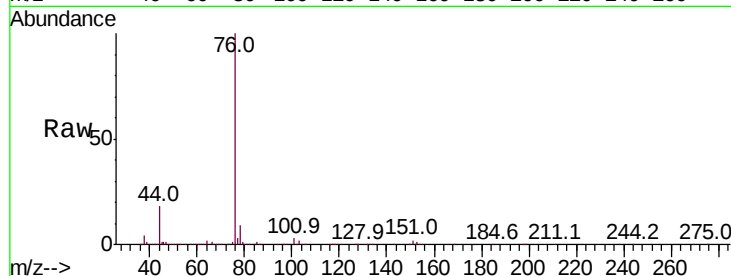
Tot Ion: 76 Resp: 2030632

Ion Ratio Lower Upper

76 100

44 18.3 13.9 20.9

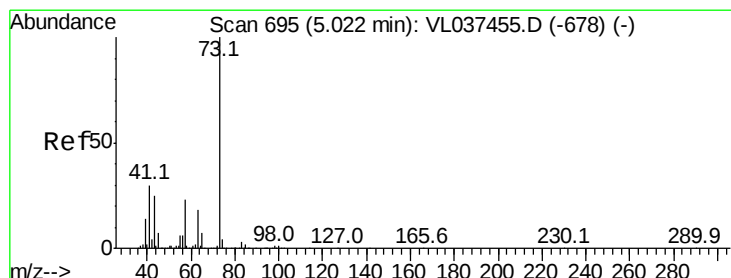
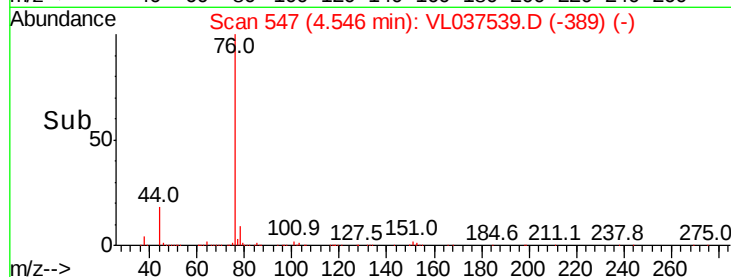
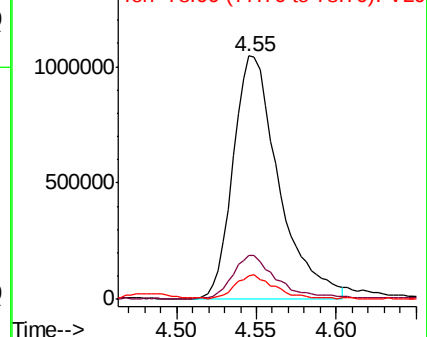
78 9.5 7.9 11.9



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: 10.062 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL037539.D

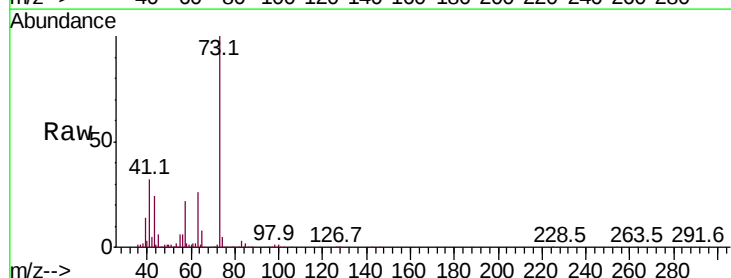
Acq: 4 Sep 2021 2:29

Tgt Ion: 73 Resp: 2240329

Ion Ratio Lower Upper

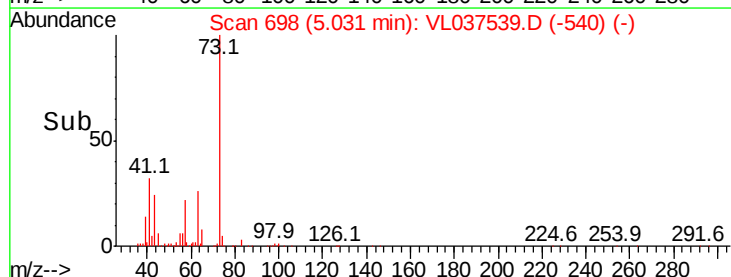
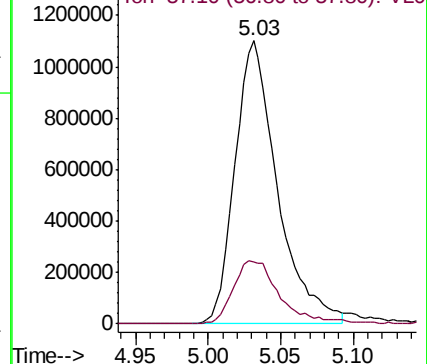
73 100

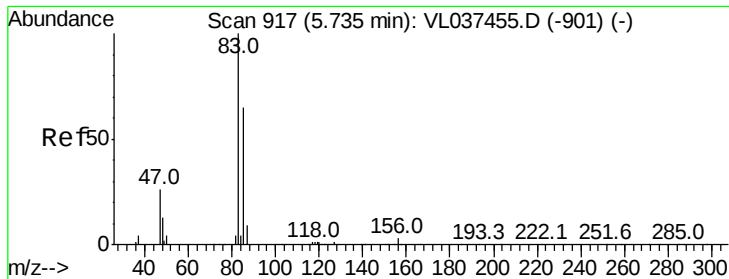
57 24.7 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

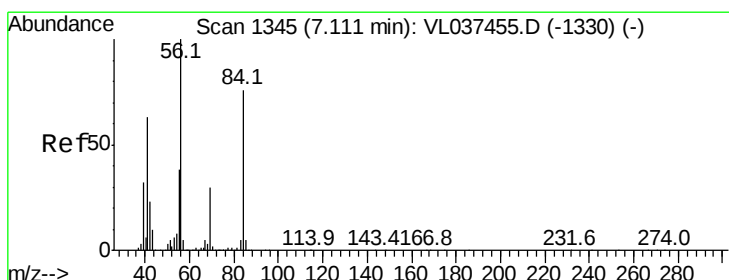
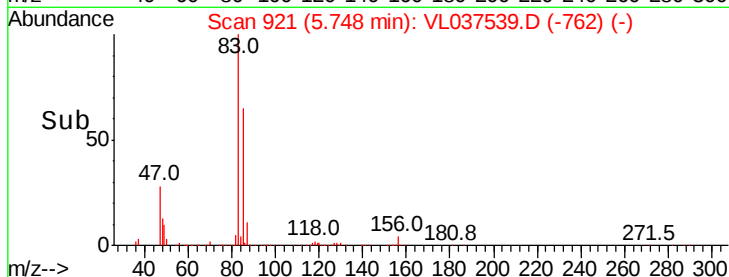
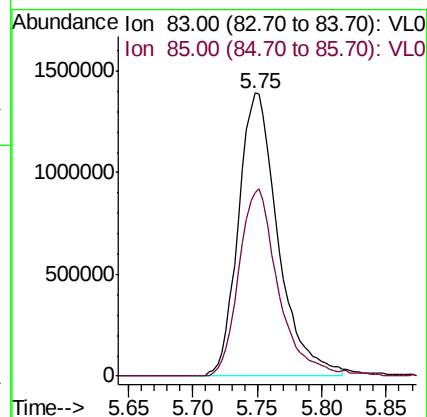
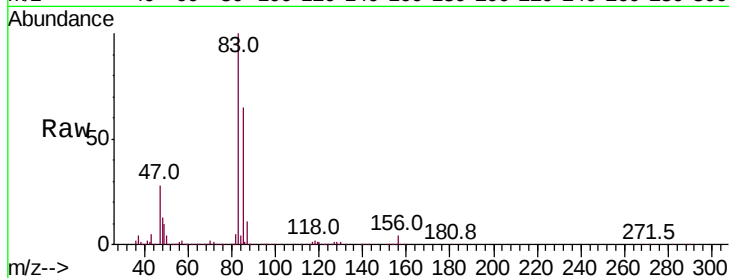




#29
Chloroform
Concen: 9.095 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

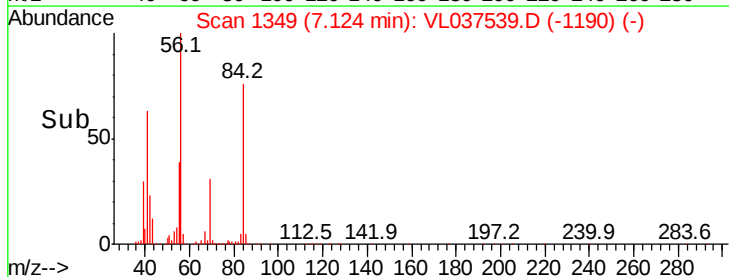
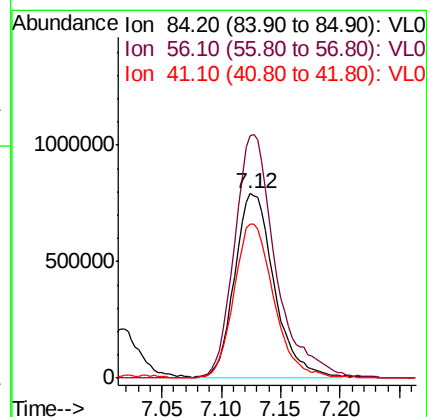
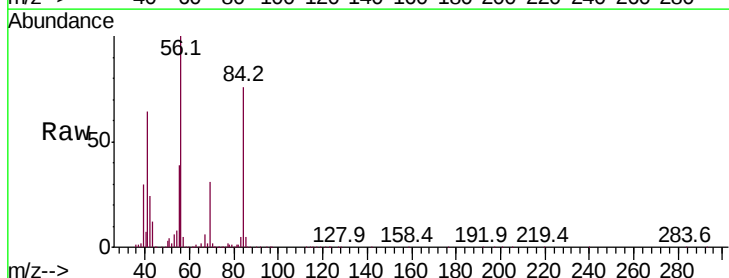
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

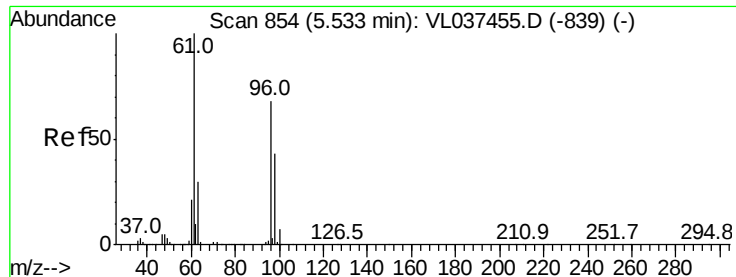
Tot Ion: 83 Resp: 2987840
Ion Ratio Lower Upper
83 100
85 64.8 52.3 78.5



#30
Cyclohexane
Concen: 9.332 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 84 Resp: 1802547
Ion Ratio Lower Upper
84 100
56 140.0 110.6 165.8
41 85.8 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.611 ppbv

RT: 5.55 min Scan# 858

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

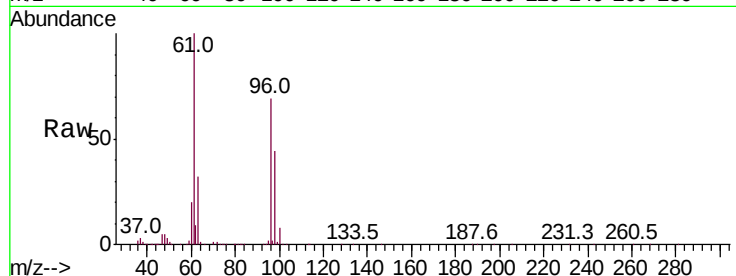
Tot Ion: 61 Resp: 2016519

Ion Ratio Lower Upper

61 100

96 68.9 54.8 82.2

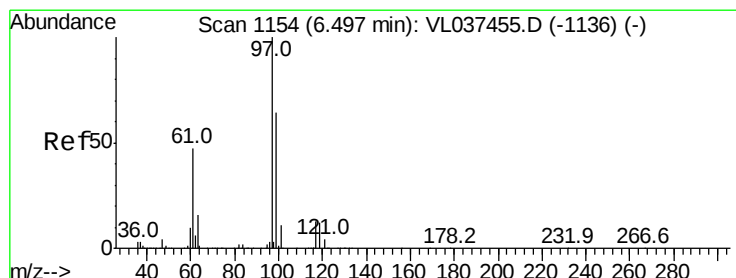
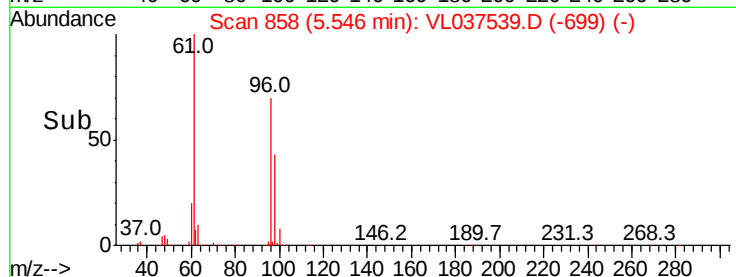
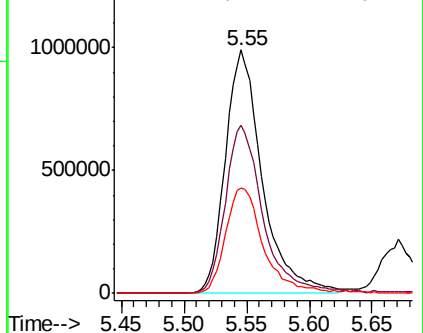
98 43.5 34.2 51.2



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.930 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

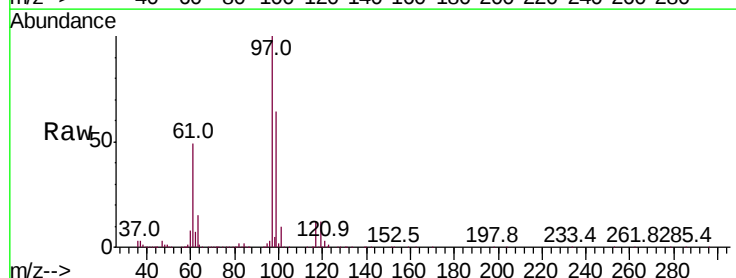
Tgt Ion: 97 Resp: 2882487

Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.6

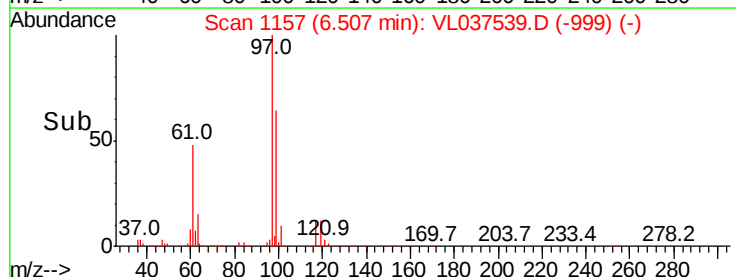
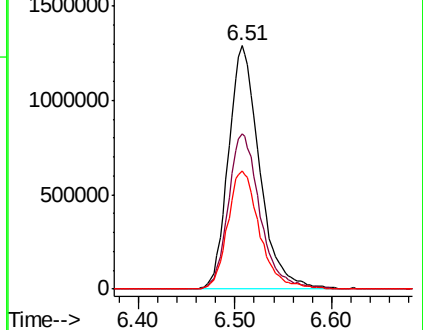
61 49.8 39.6 59.4

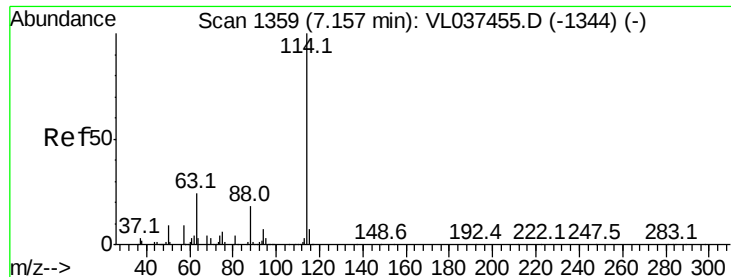


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

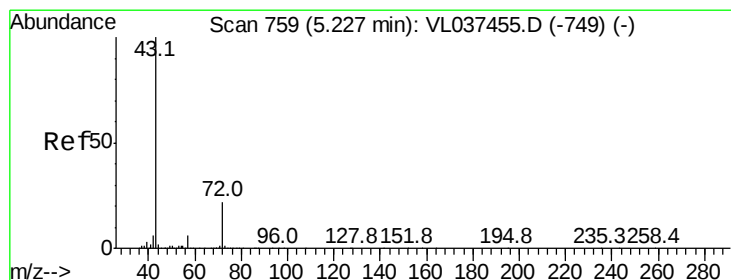
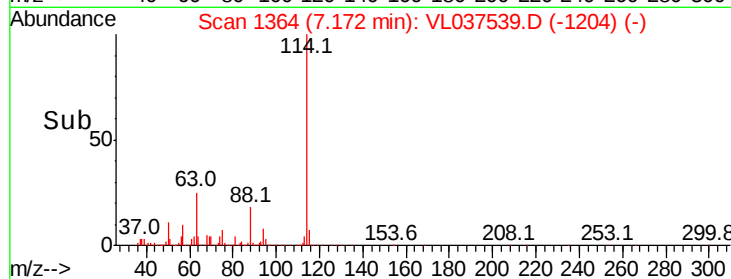
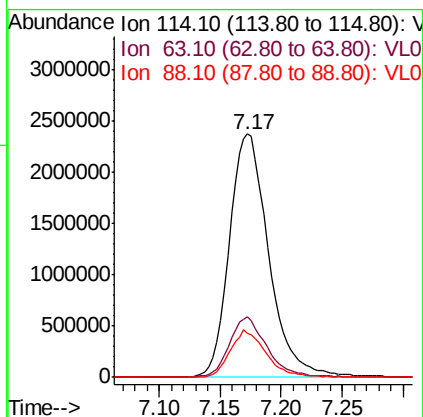
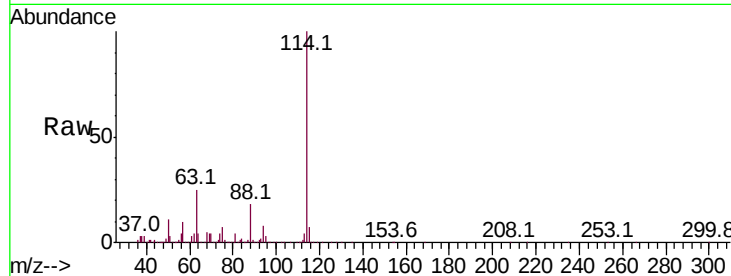




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

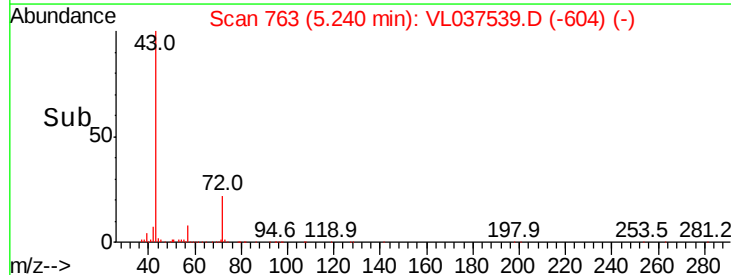
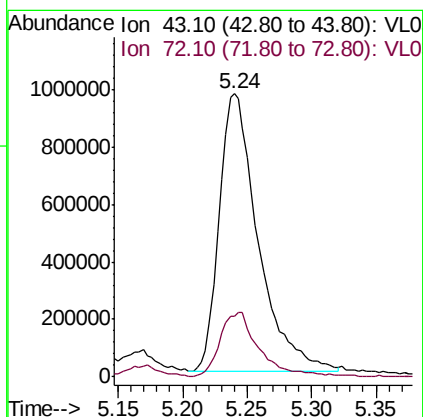
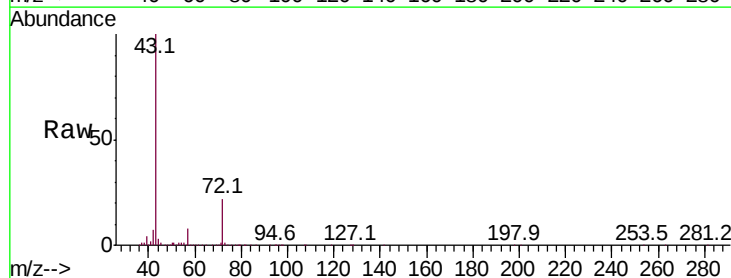
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

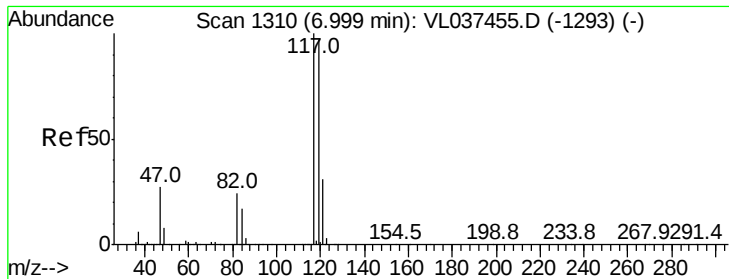
Tot Ion:114 Resp: 5287313
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.3 28.9
 88 18.0 14.2 21.4



#34
 2-Butanone
 Concen: 9.380 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion: 43 Resp: 2025315
 Ion Ratio Lower Upper
 43 100
 72 23.7 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.517 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

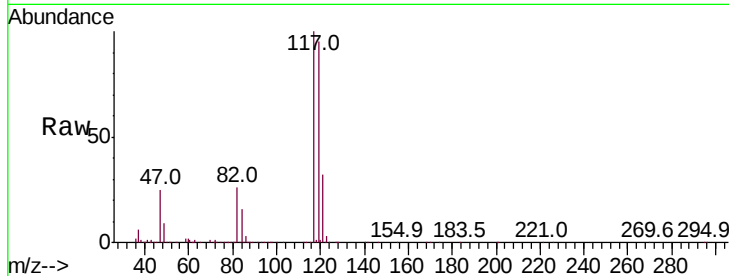
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2973957

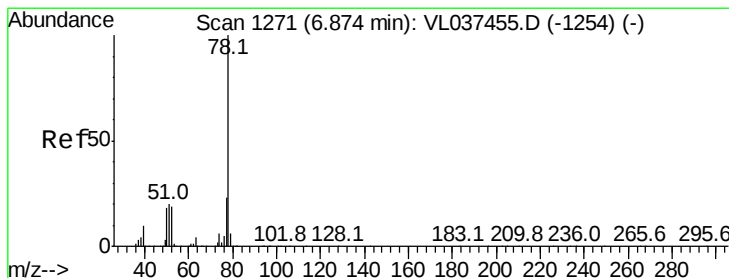
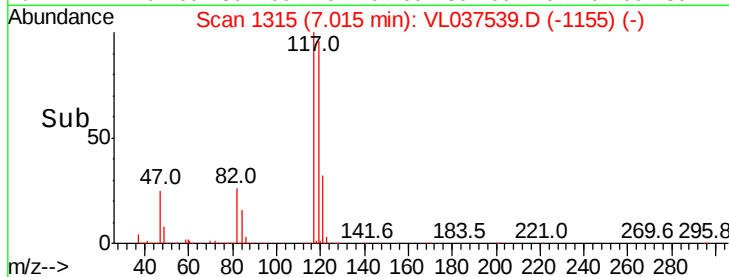
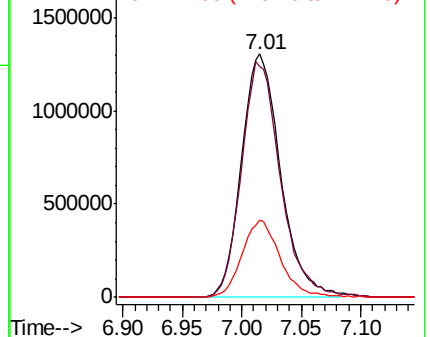
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.3	115.9
121	31.6	25.2	37.8



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: 9.862 ppbv

RT: 6.89 min Scan# 1276

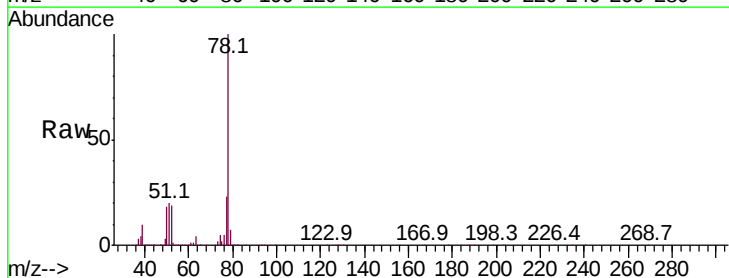
Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Tgt Ion: 78 Resp: 4383462

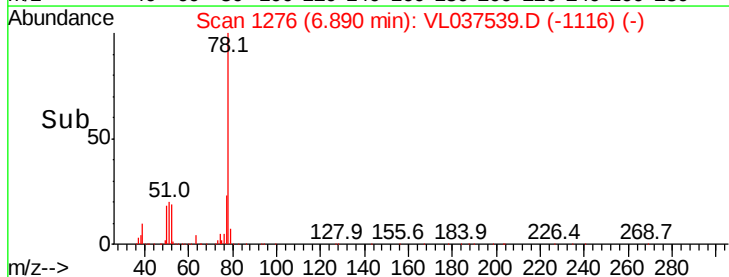
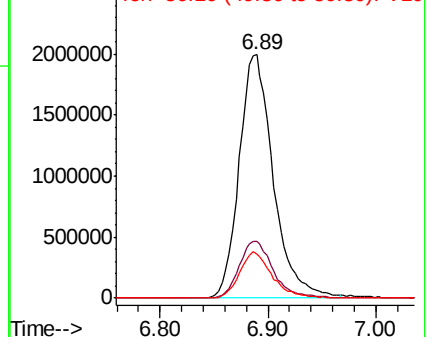
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.4
50	17.8	14.6	21.8

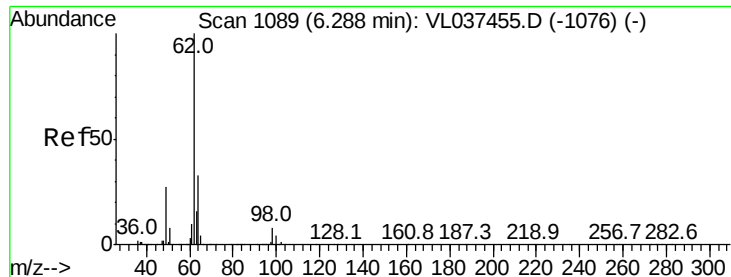


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

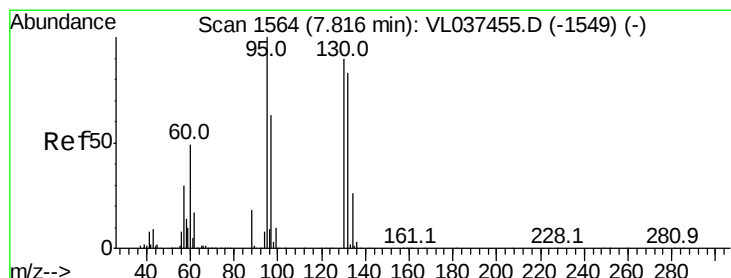
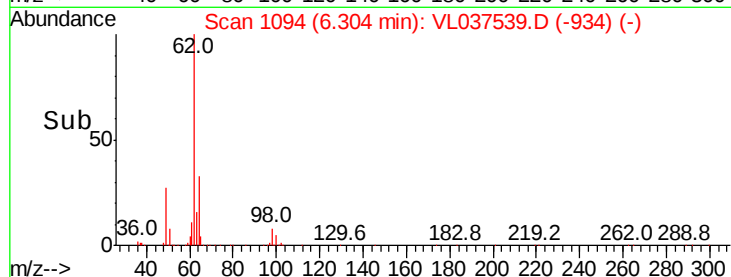
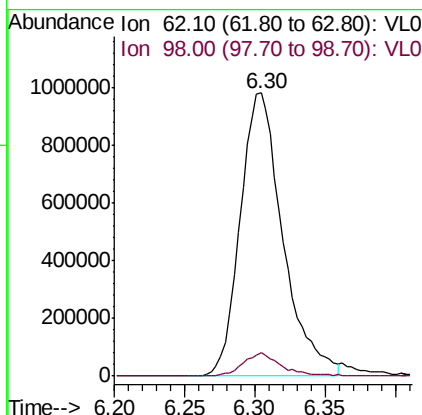
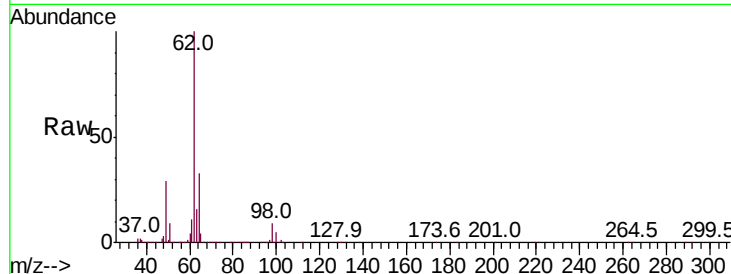




#37
 1,2-Dichloroethane
 Concen: 9.420 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

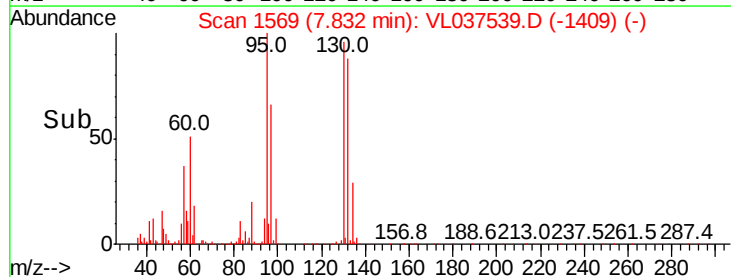
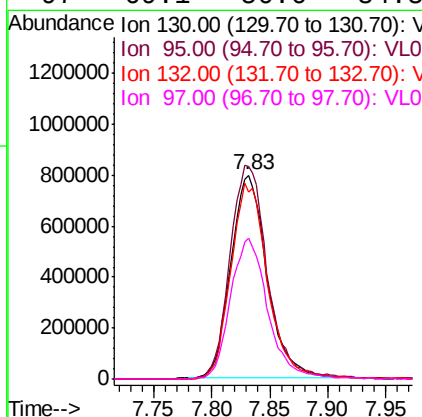
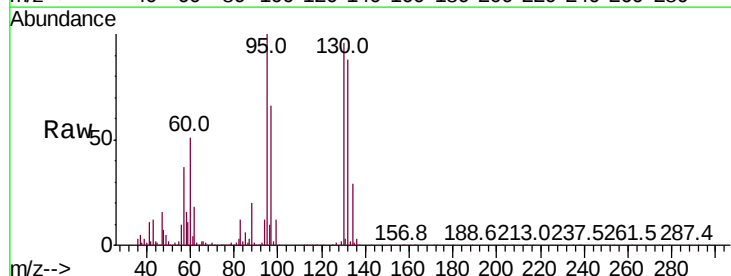
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

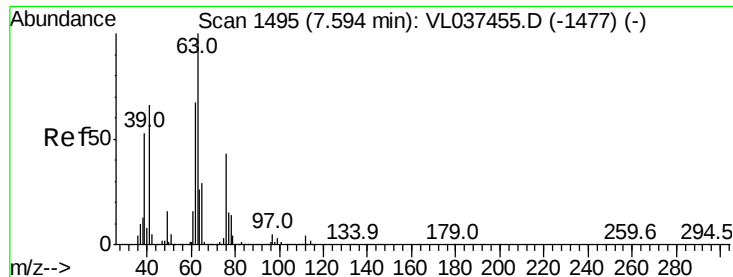
Tot Ion: 62 Resp: 2073930
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.0 9.0



#38
 Trichloroethene
 Concen: 9.499 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion:130 Resp: 1732320
 Ion Ratio Lower Upper
 130 100
 95 104.2 89.2 133.8
 132 92.1 74.0 111.0
 97 69.1 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.860 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

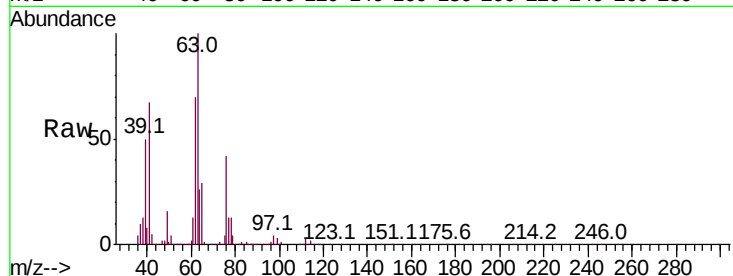
Tot Ion: 63 Resp: 1684046

Ion Ratio Lower Upper

63 100

41 67.1 52.4 78.6

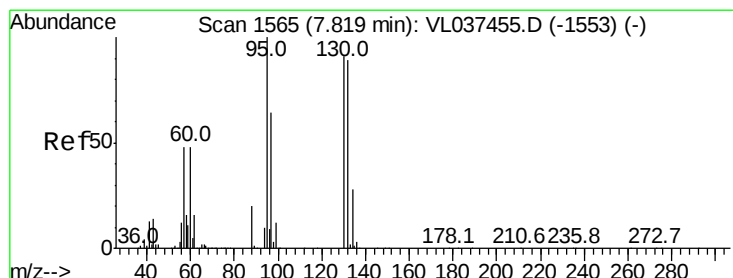
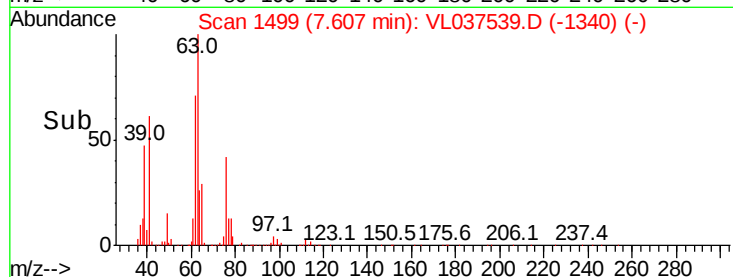
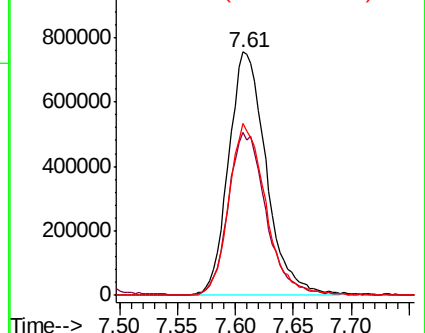
62 70.6 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 6.506 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Tgt Ion: 88 Resp: 272209

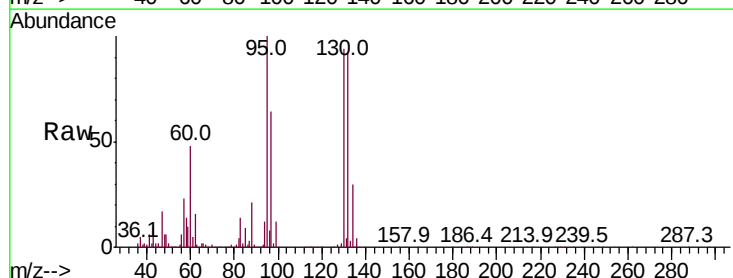
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

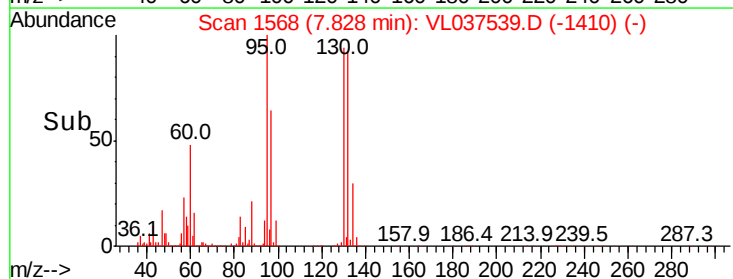
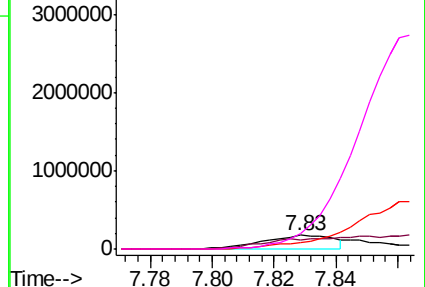


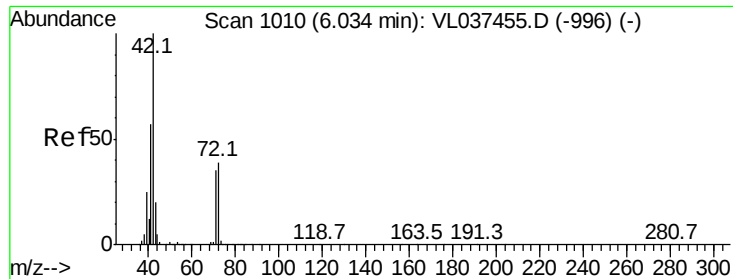
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

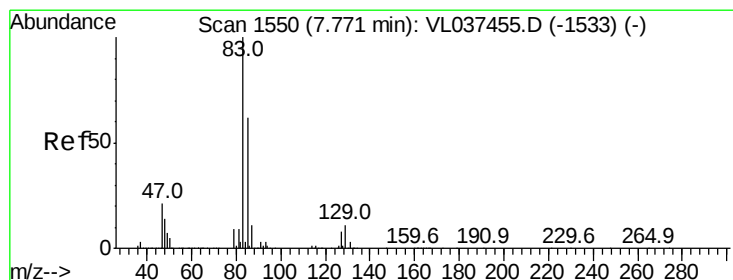
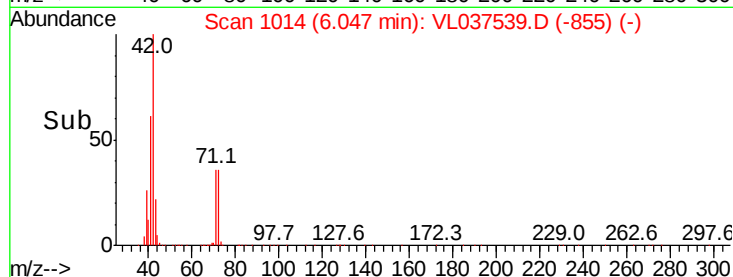
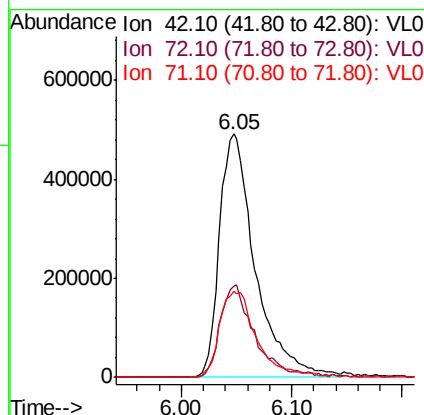
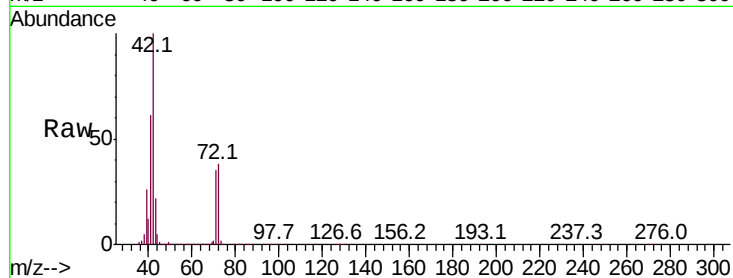




#41
Tetrahydrofuran
Concen: 10.623 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

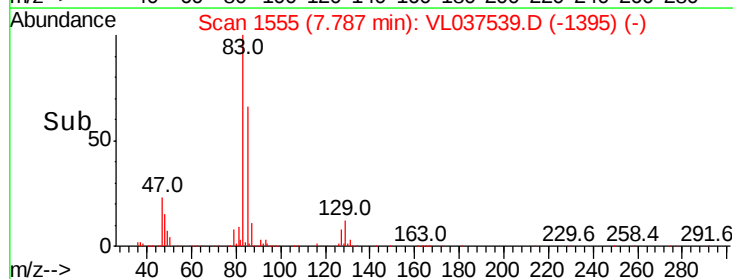
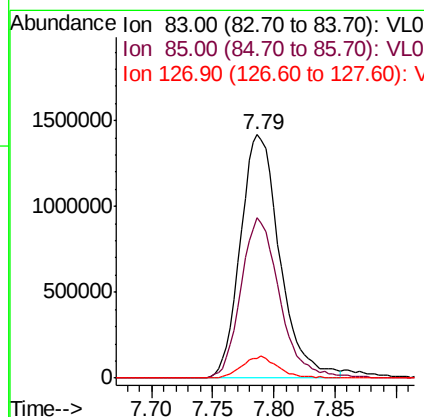
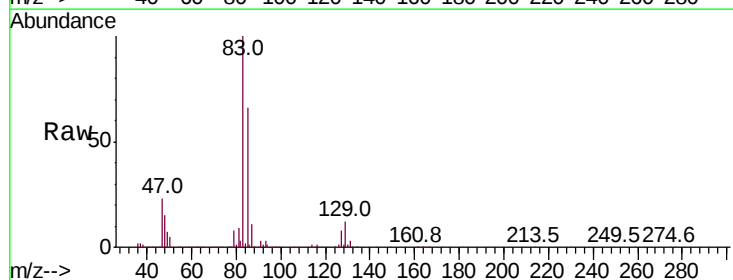
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

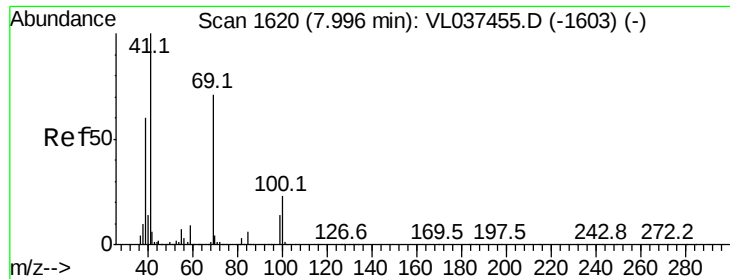
Tot Ion: 42 Resp: 1104903
Ion Ratio Lower Upper
42 100
72 37.3 32.2 48.4
71 36.9 30.5 45.7



#42
Bromodichloromethane
Concen: 9.846 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 83 Resp: 3169913
Ion Ratio Lower Upper
83 100
85 65.8 49.5 74.3
127 8.3 6.3 9.5





#43

Methyl Methacrylate

Concen: 10.338 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.01 min

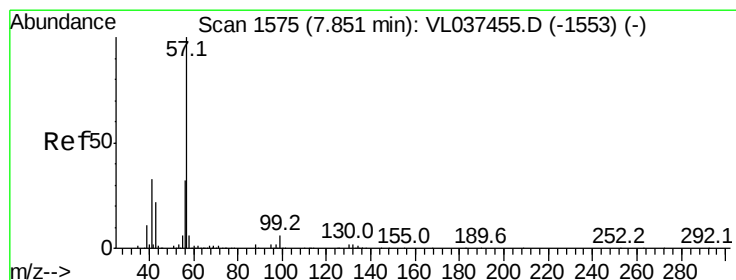
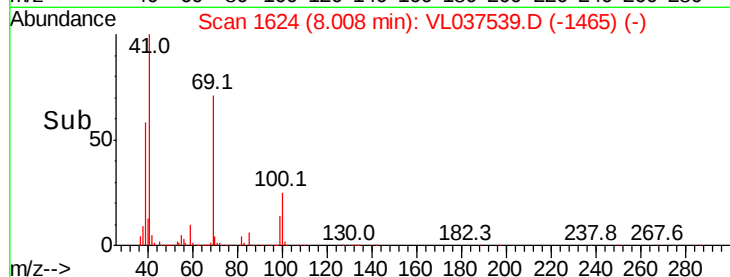
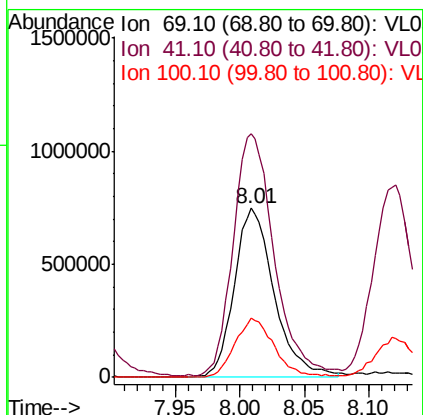
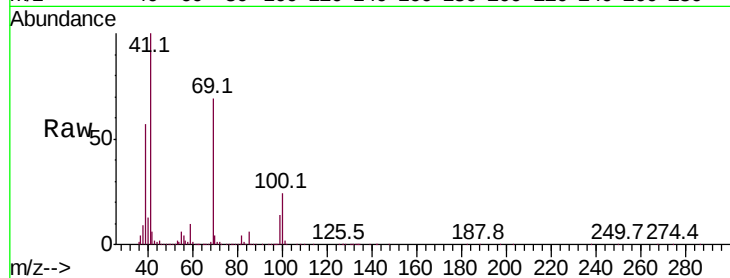
Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1601519

Ion	Ratio	Lower	Upper
69	100		
41	149.0	118.6	178.0
100	34.6	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 9.679 ppbv

RT: 7.87 min Scan# 1580

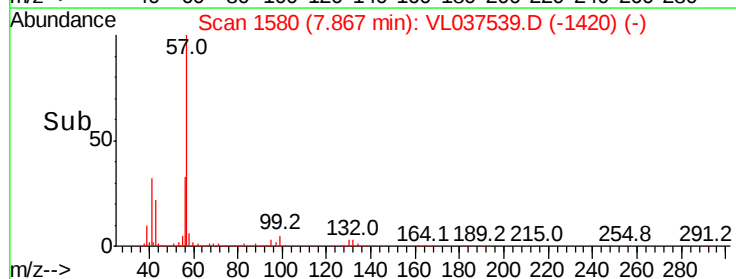
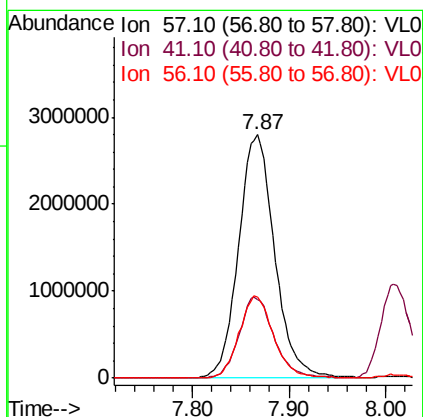
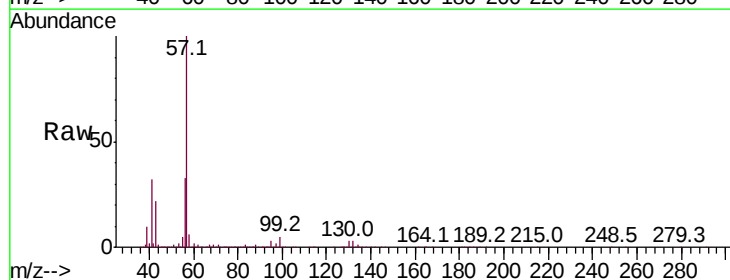
Delta R.T. 0.02 min

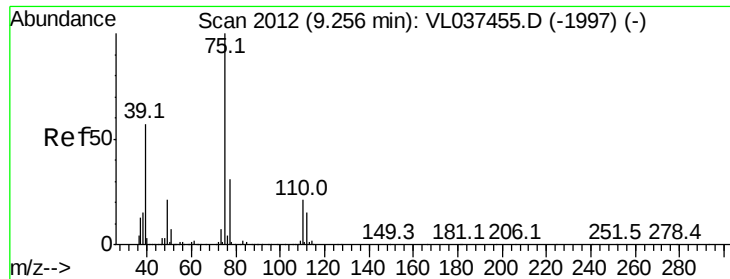
Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Tgt Ion: 57 Resp: 7240180

Ion	Ratio	Lower	Upper
57	100		
41	32.3	26.2	39.4
56	32.3	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 11.998 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

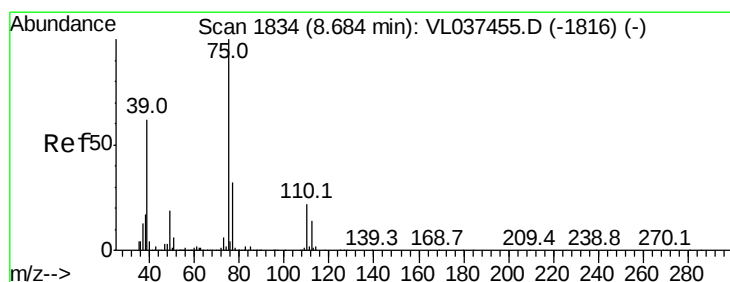
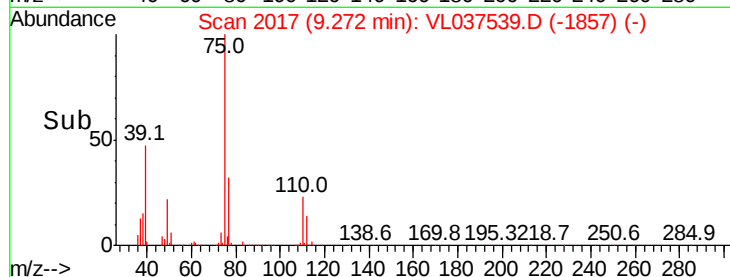
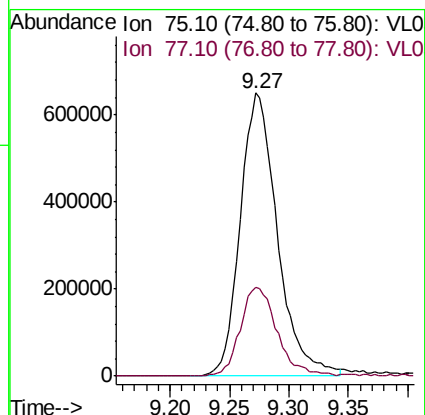
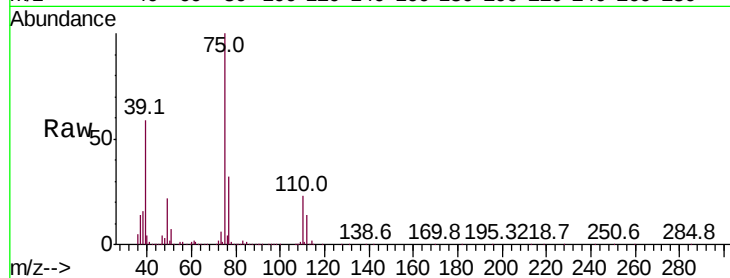
VSTDCCC010EC

Tot Ion: 75 Resp: 1399205

Ion Ratio Lower Upper

75 100

77 31.6 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 11.281 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

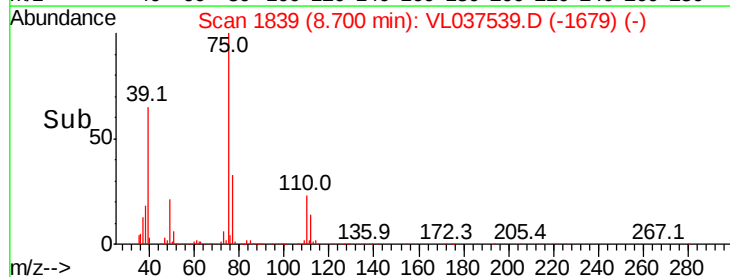
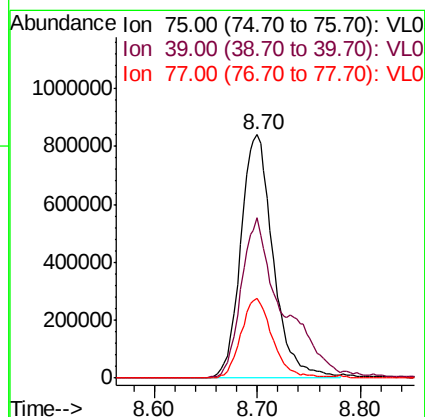
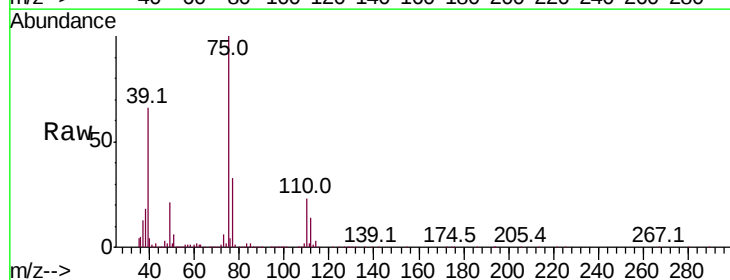
Tgt Ion: 75 Resp: 1835111

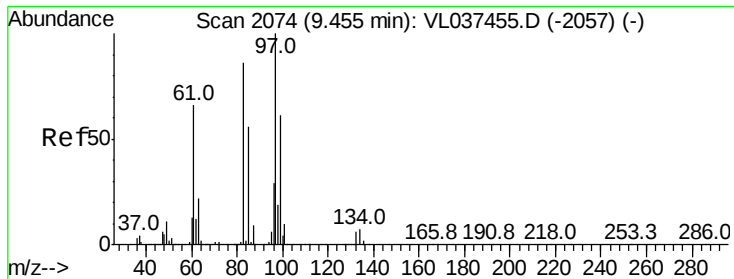
Ion Ratio Lower Upper

75 100

39 65.6 49.7 74.5

77 32.6 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.595 ppbv

RT: 9.47 min Scan# 2078

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1770773

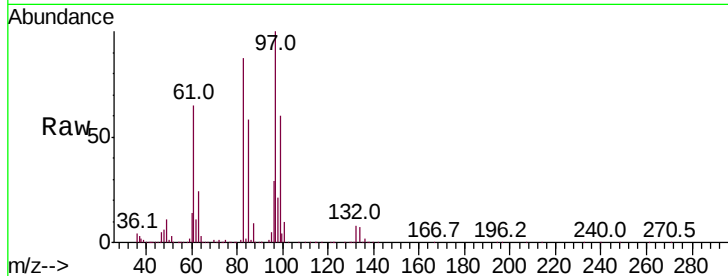
Ion Ratio Lower Upper

97 100

83 87.2 68.7 103.1

85 58.2 44.7 67.1

99 60.4 48.6 72.8

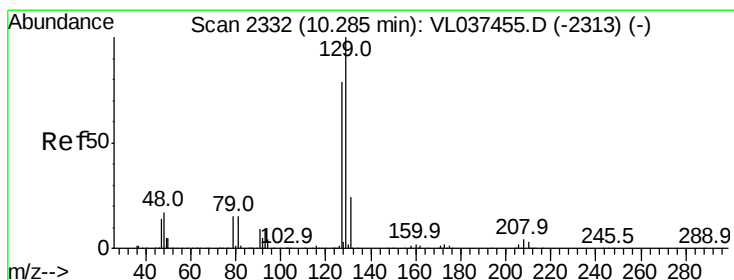
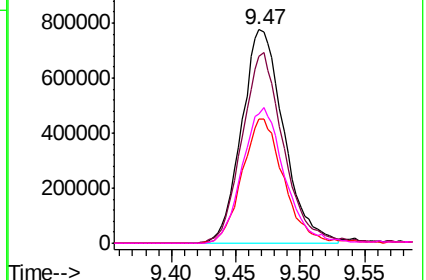
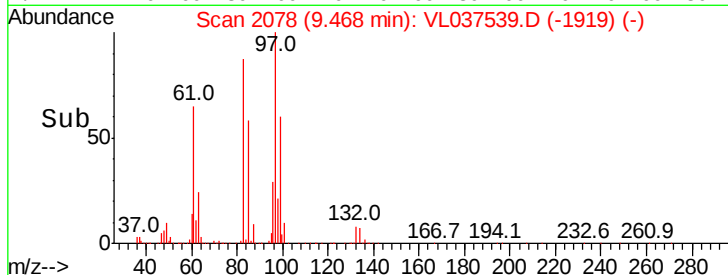


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.229 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.02 min

Lab File: VL037539.D

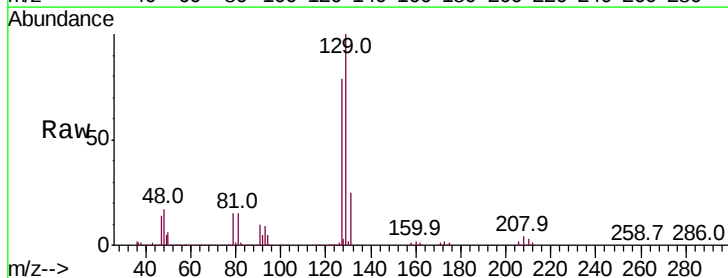
Acq: 4 Sep 2021 2:29

Tgt Ion: 129 Resp: 2716419

Ion Ratio Lower Upper

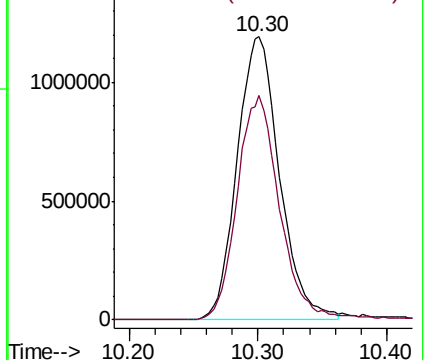
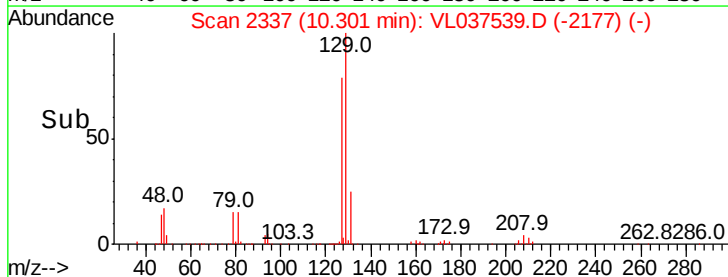
129 100

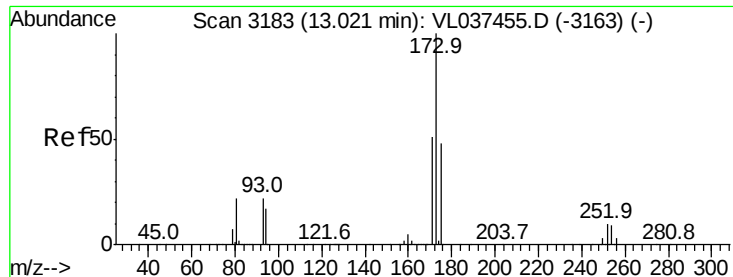
127 80.1 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.320 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

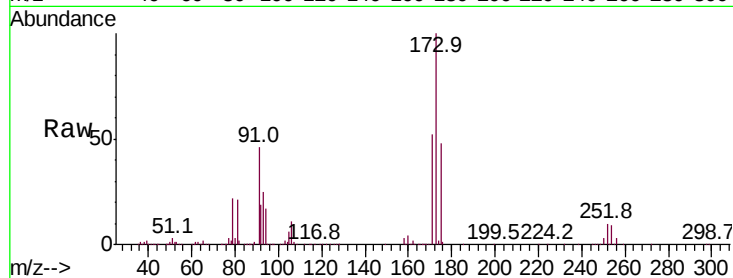
Tot Ion:173 Resp: 2160469

Ion Ratio Lower Upper

173 100

175 51.3 41.9 62.9

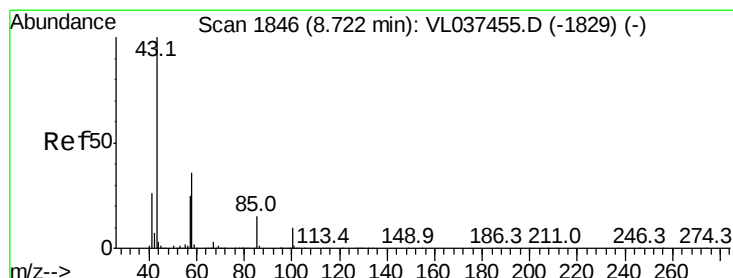
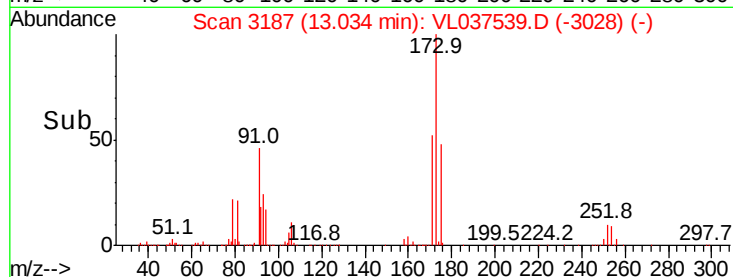
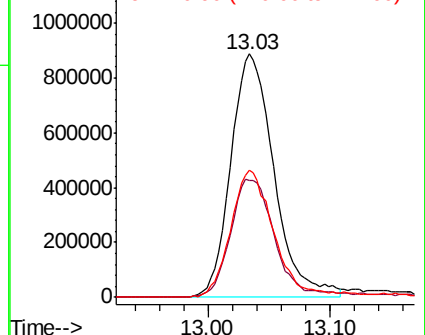
171 55.2 44.2 66.4



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: 10.292 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL037539.D

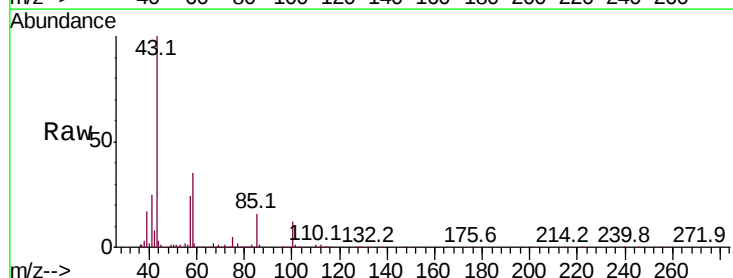
Acq: 4 Sep 2021 2:29

Tgt Ion: 43 Resp: 2899016

Ion Ratio Lower Upper

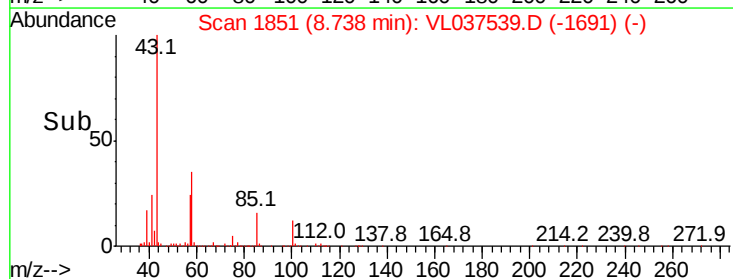
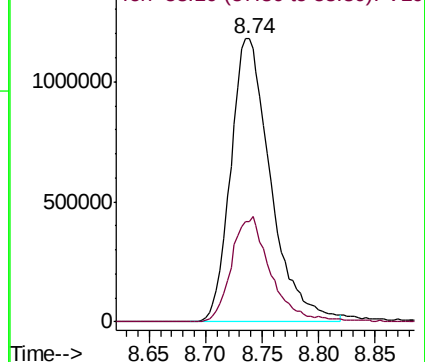
43 100

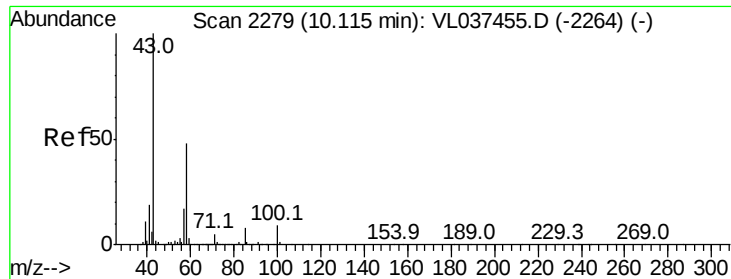
58 36.8 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

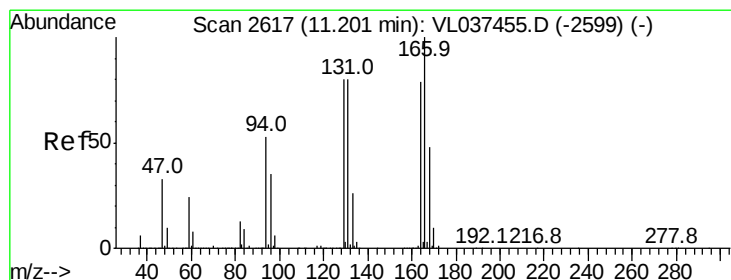
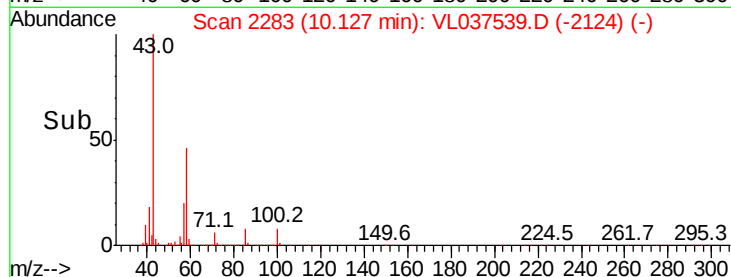
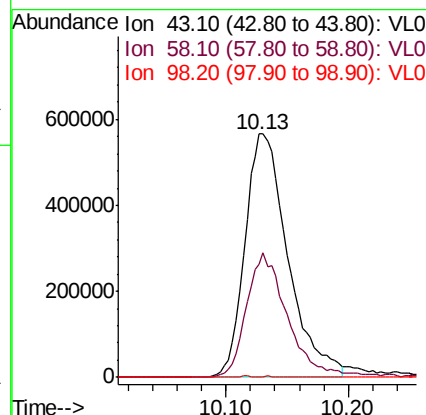
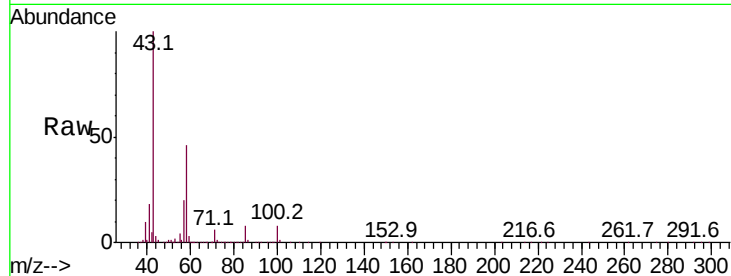




#51
2-Hexanone
Concen: 10.589 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

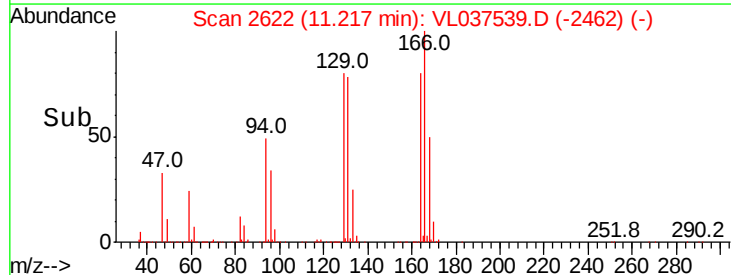
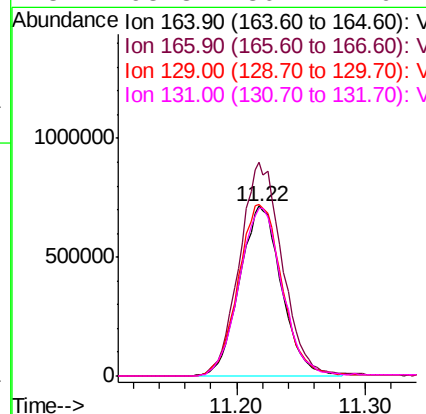
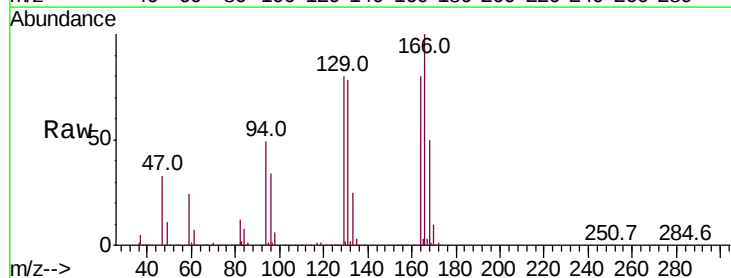
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

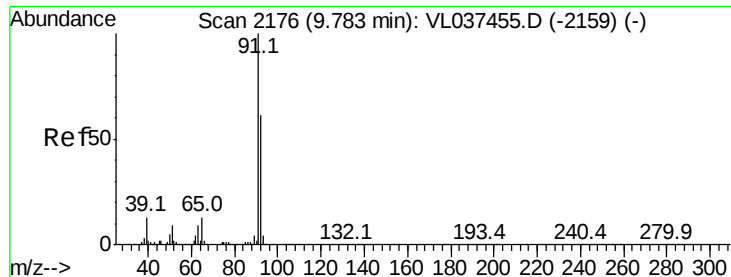
Tot Ion: 43 Resp: 1371875
Ion Ratio Lower Upper
43 100
58 50.1 41.0 61.6
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 8.868 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 164 Resp: 1615259
Ion Ratio Lower Upper
164 100
166 125.6 100.7 151.1
129 100.4 80.9 121.3
131 98.3 80.2 120.4





#53

Toluene

Concen: 9.997 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

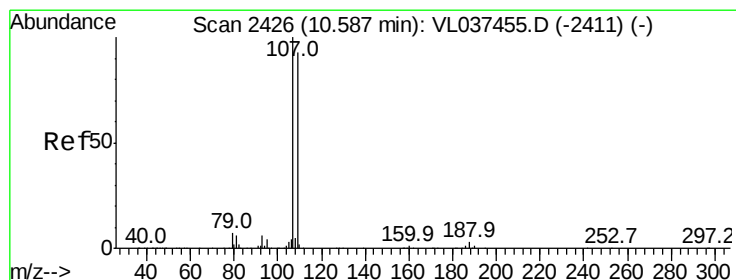
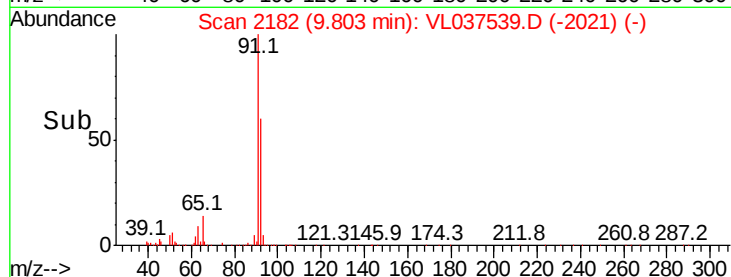
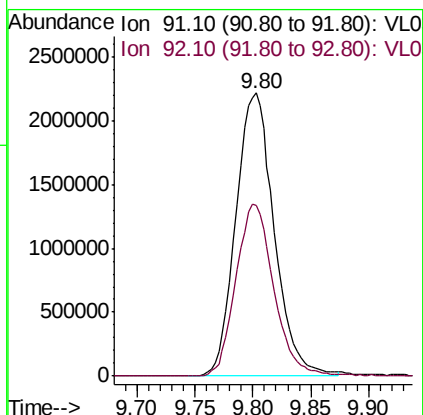
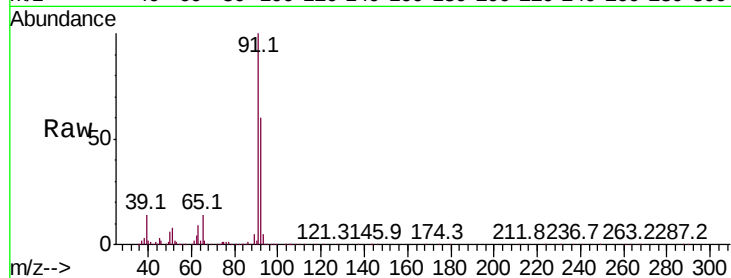
VSTDCCC010EC

Tot Ion: 91 Resp: 5073651

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.797 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL037539.D

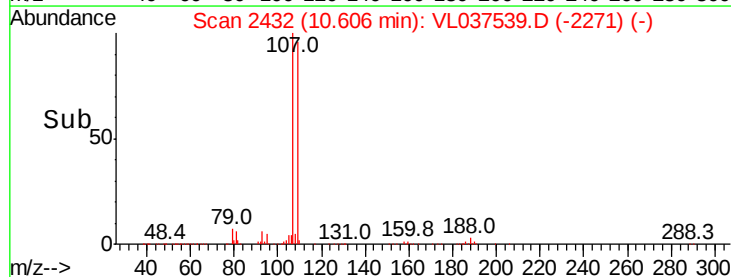
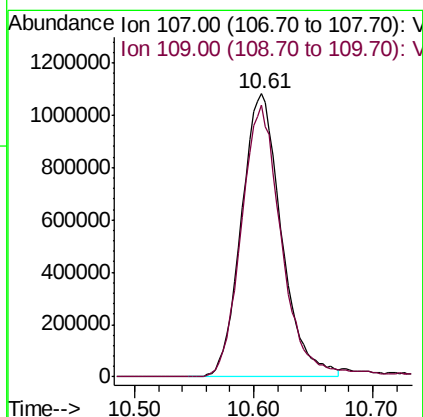
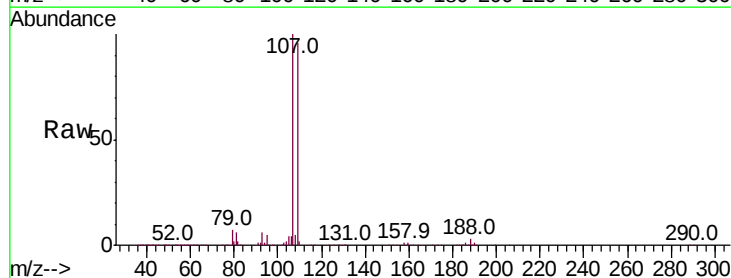
Acq: 4 Sep 2021 2:29

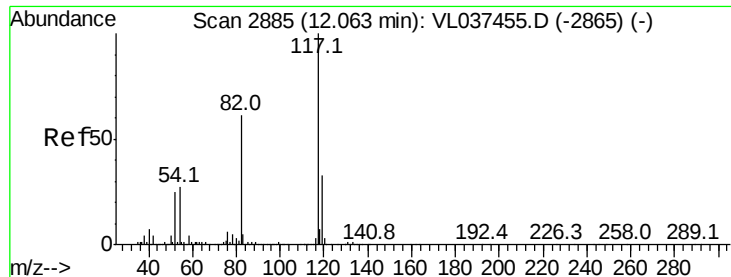
Tgt Ion: 107 Resp: 2523970

Ion Ratio Lower Upper

107 100

109 96.1 74.2 111.4

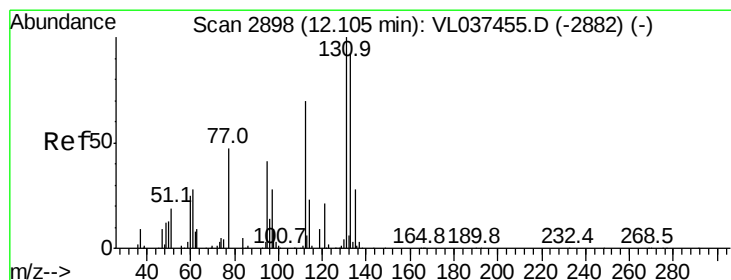
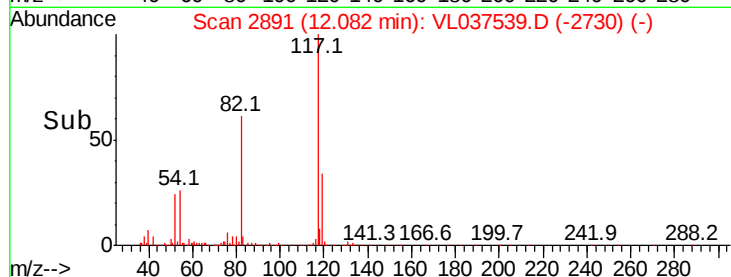
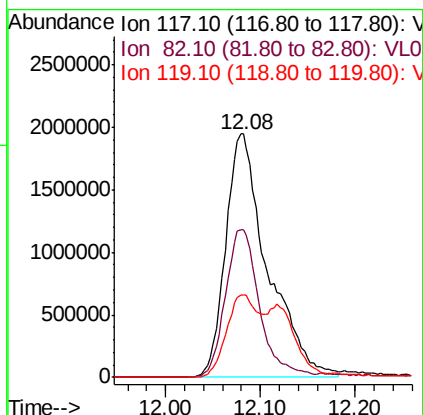
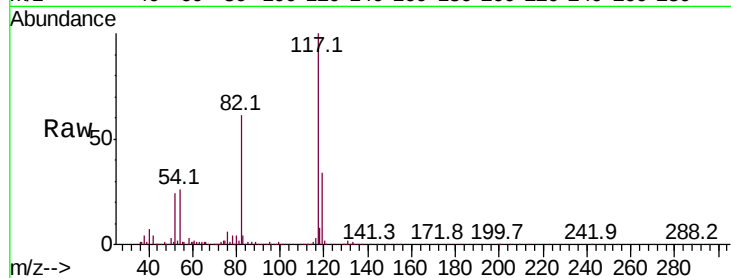




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

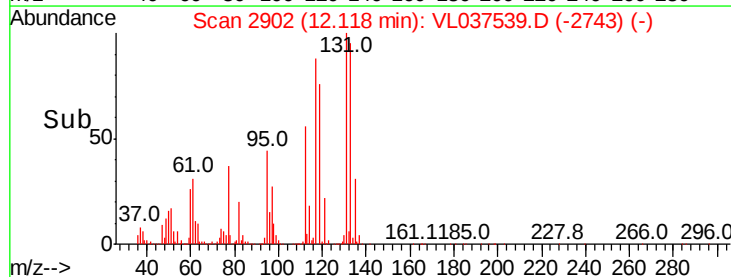
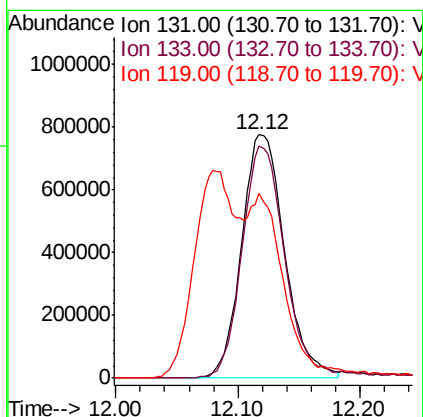
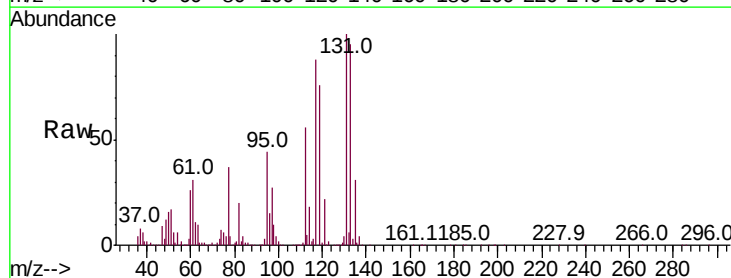
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

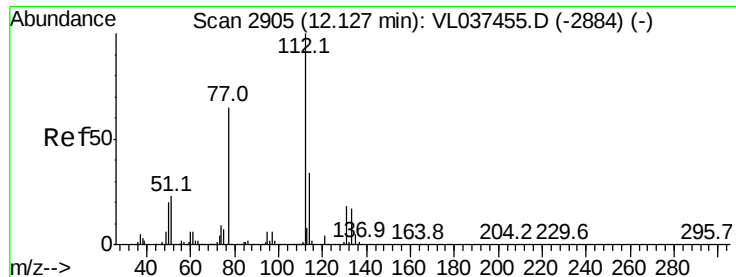
Tot Ion:117 Resp: 5993906
Ion Ratio Lower Upper
117 100
82 51.0 52.9 79.3#
119 48.4 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.559 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion:131 Resp: 1888027
Ion Ratio Lower Upper
131 100
133 96.1 78.7 118.1
119 155.0 56.6 85.0#





#57

Chlorobenzene

Concen: 7.354 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

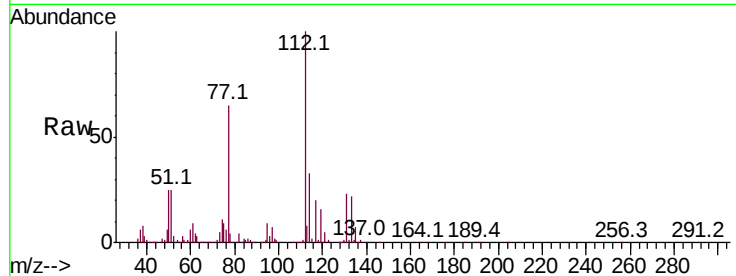
Tot Ion:112 Resp: 3657942

Ion Ratio Lower Upper

112 100

77 63.7 51.6 77.4

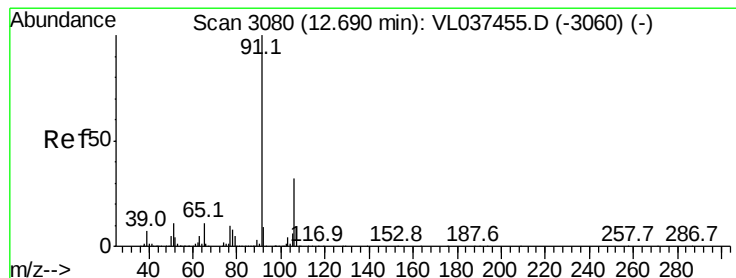
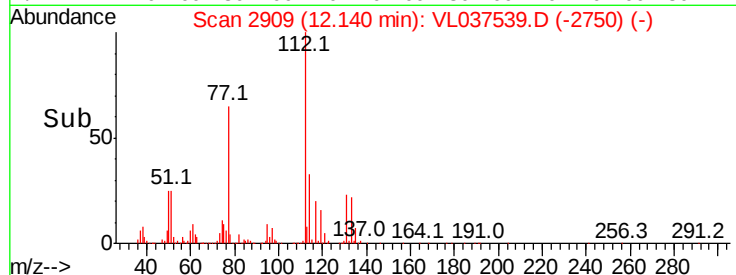
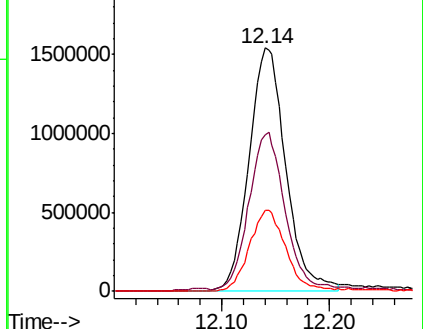
114 33.1 30.7 37.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.652 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.01 min

Lab File: VL037539.D

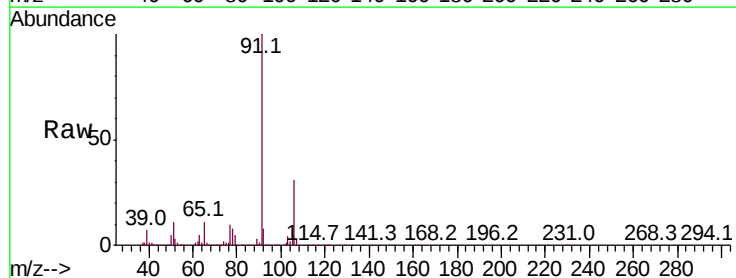
Acq: 4 Sep 2021 2:29

Tgt Ion: 91 Resp: 6365251

Ion Ratio Lower Upper

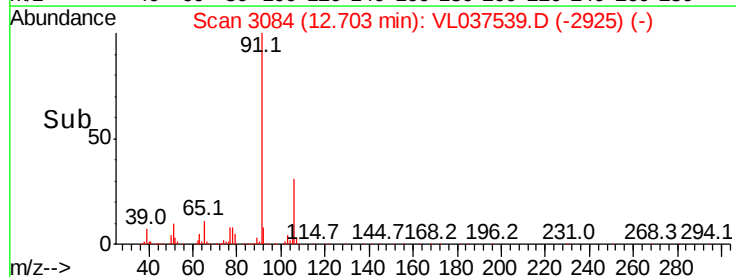
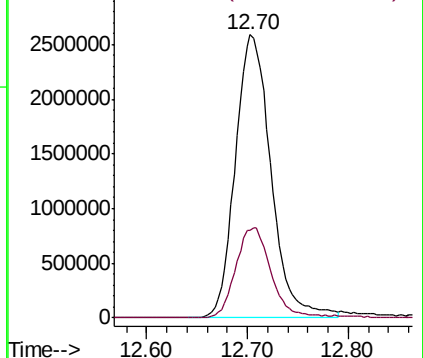
91 100

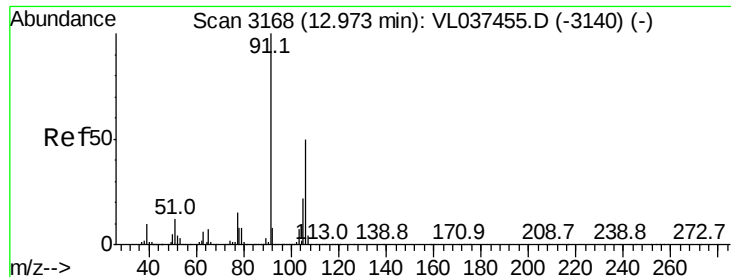
106 31.1 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

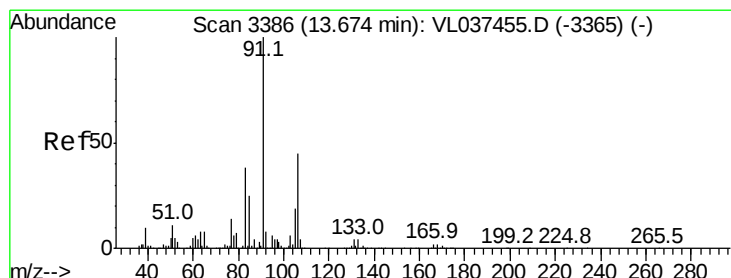
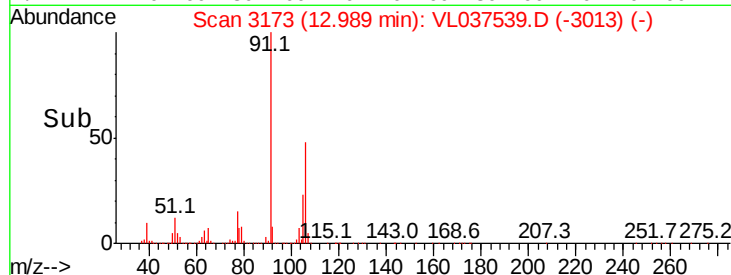
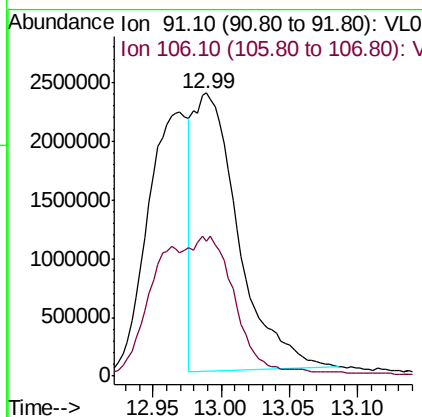
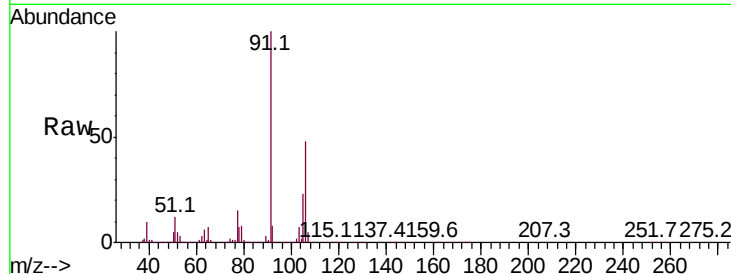




#59
m/p-Xylene
Concen: 7.484 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

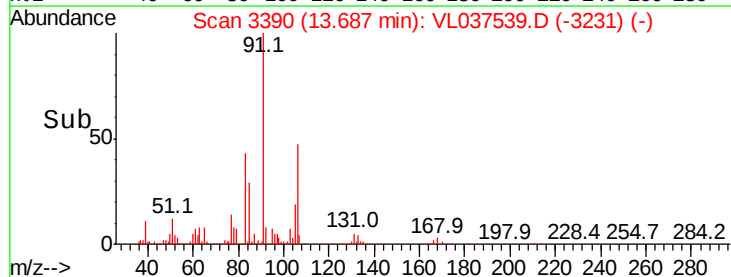
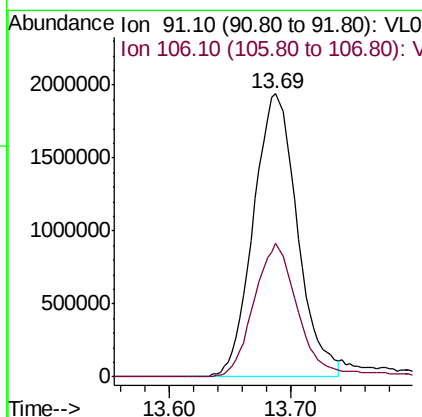
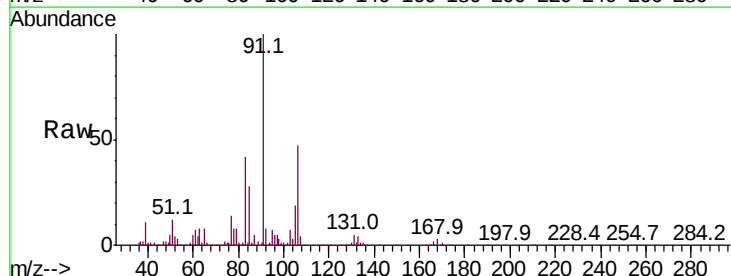
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

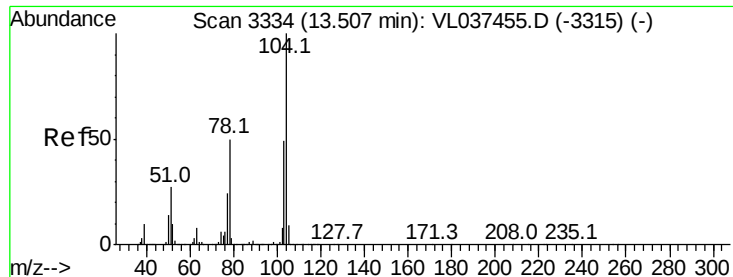
Tot Ion: 91 Resp: 5396790
Ion Ratio Lower Upper
91 100
106 92.5 36.9 55.3#



#60
o-Xylene
Concen: 7.202 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion: 91 Resp: 4847550
Ion Ratio Lower Upper
91 100
106 48.6 23.7 71.1





#61

Stvrene

Concen: 8.118 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

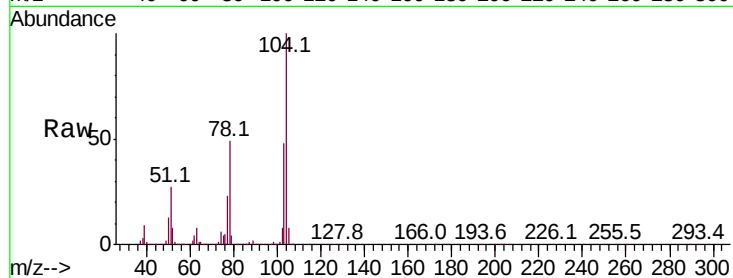
Tot Ion:104 Resp: 2838368

Ion Ratio Lower Upper

104 100

78 50.6 41.3 61.9

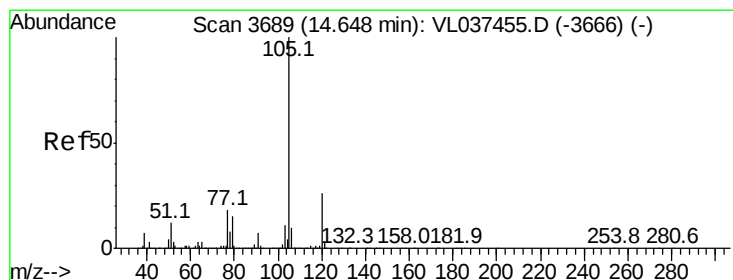
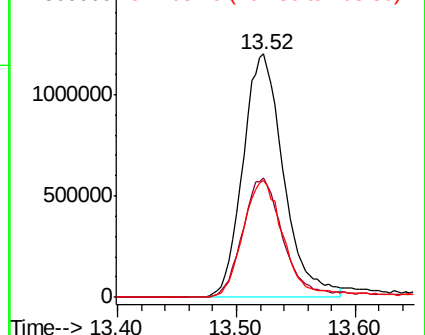
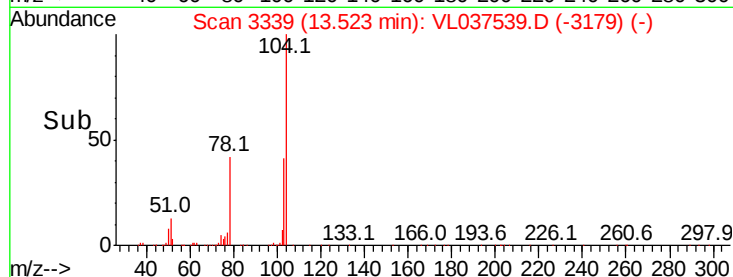
103 49.4 39.4 59.0



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: 7.245 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.01 min

Lab File: VL037539.D

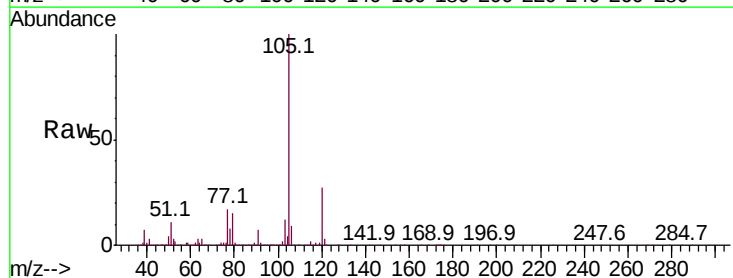
Acq: 4 Sep 2021 2:29

Tgt Ion:105 Resp: 6881424

Ion Ratio Lower Upper

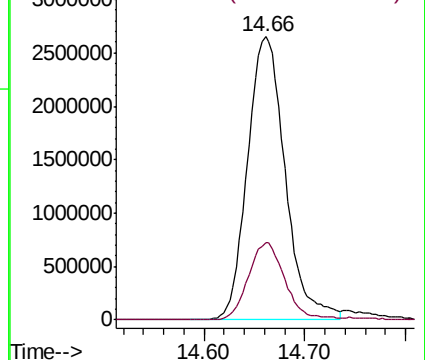
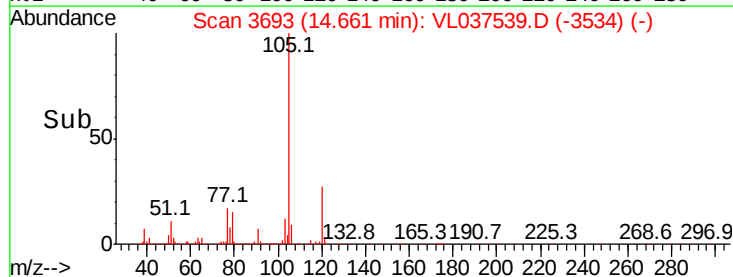
105 100

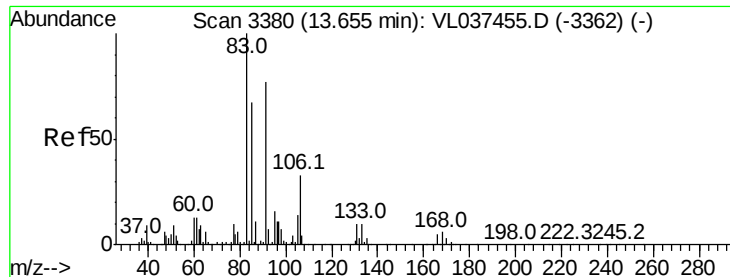
120 27.2 21.5 32.3



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: 7.130 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

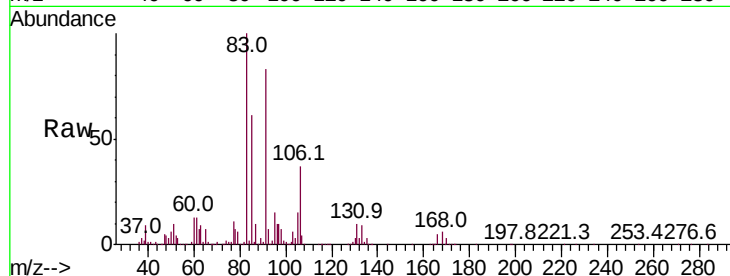
Tot Ion: 83 Resp: 3566700

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

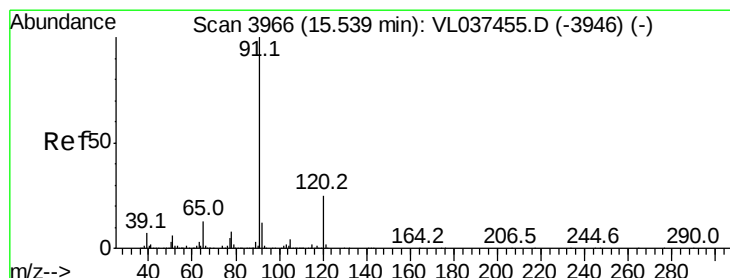
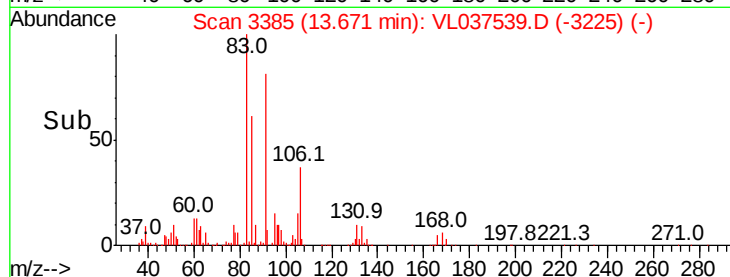
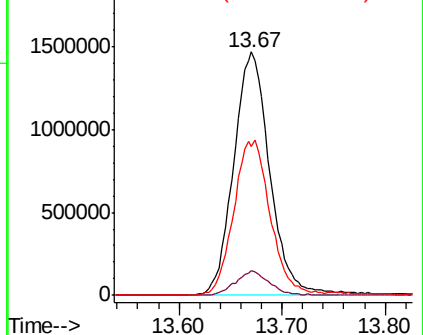
85 66.5 33.8 101.3



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: 7.639 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.02 min

Lab File: VL037539.D

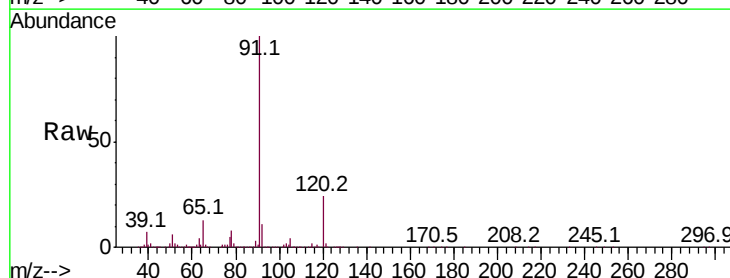
Acq: 4 Sep 2021 2:29

Tgt Ion:120 Resp: 1846484

Ion Ratio Lower Upper

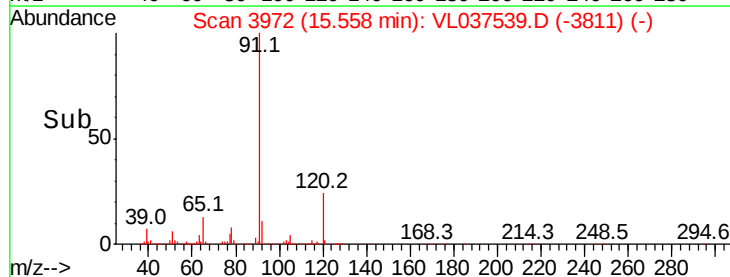
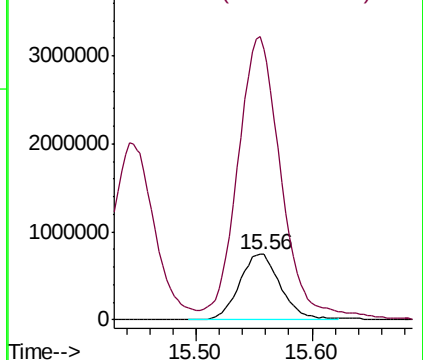
120 100

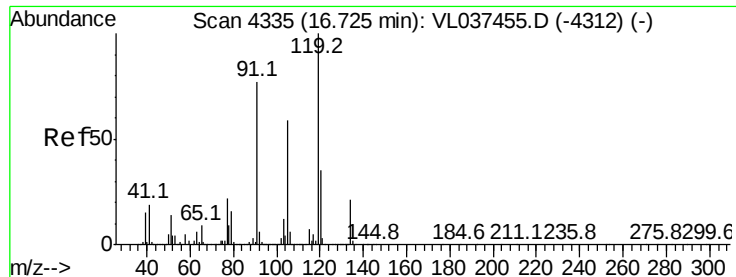
91 455.6 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.952 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

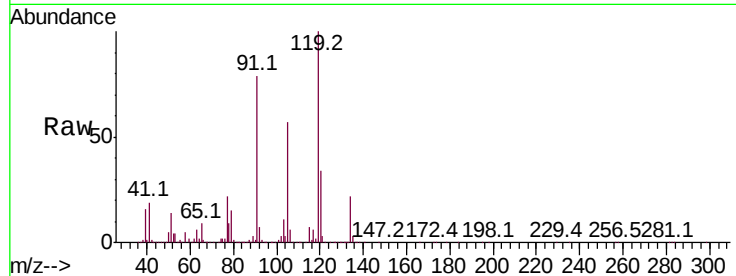
Tot Ion:119 Resp: 6014174

Ion Ratio Lower Upper

119 100

91 77.4 62.9 94.3

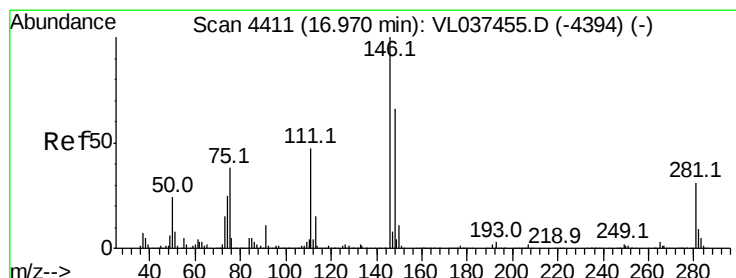
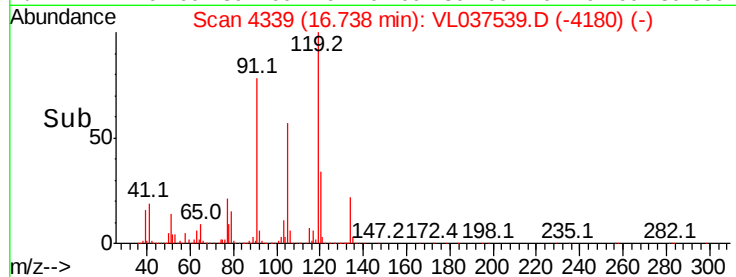
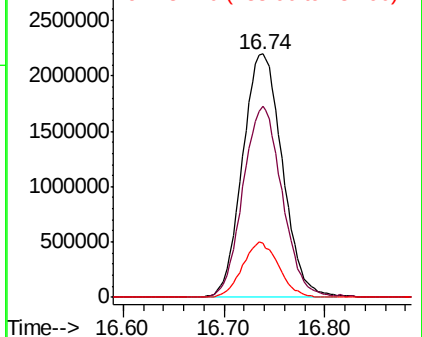
134 20.8 16.4 24.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.839 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

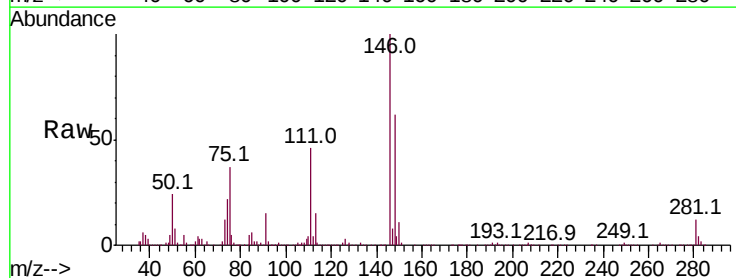
Tgt Ion: 91 Resp: 385038

Ion Ratio Lower Upper

91 100

126 17.6 15.9 23.9

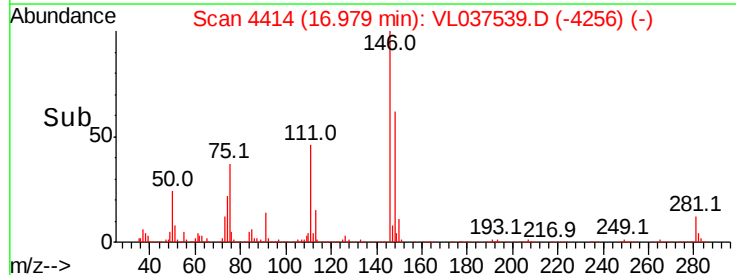
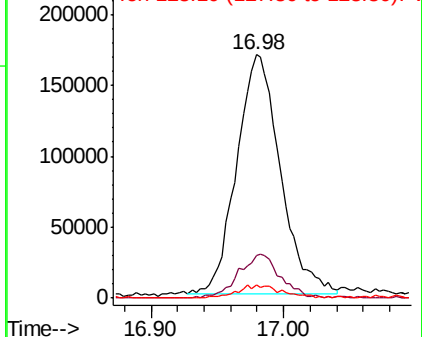
128 6.2 5.4 8.0

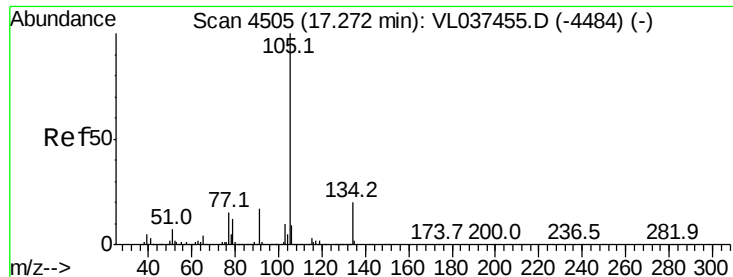


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.902 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

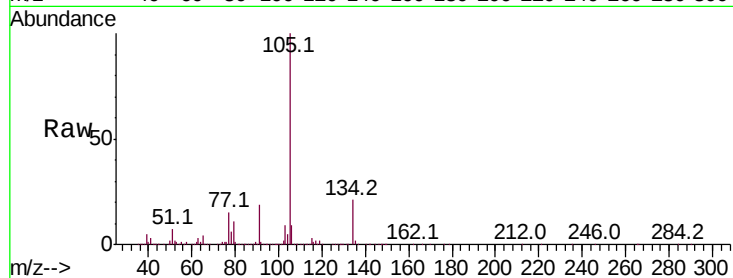
VSTDCCC010EC

Tot Ion:105 Resp: 8343441

Ion Ratio Lower Upper

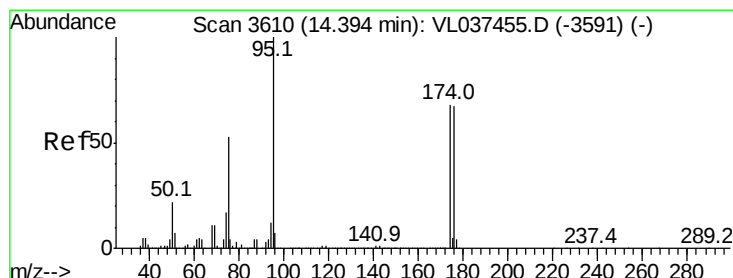
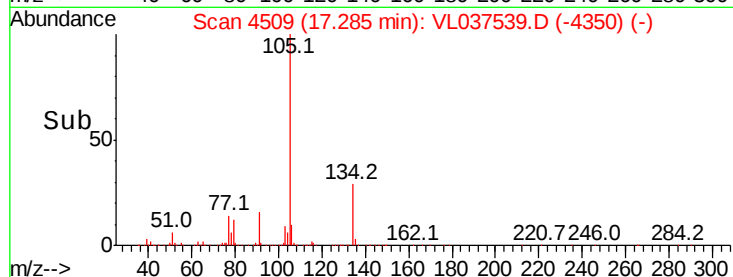
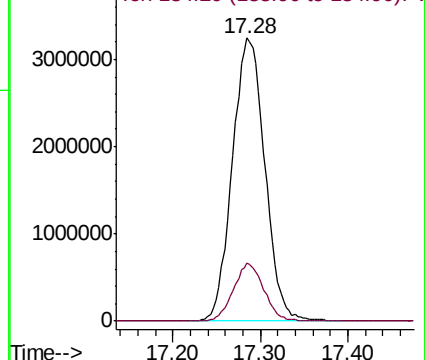
105 100

134 19.2 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: 8.495 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

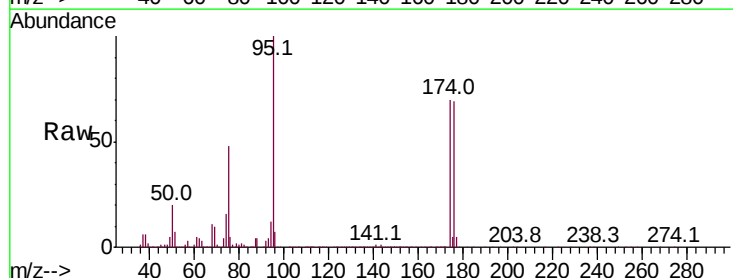
Tgt Ion: 95 Resp: 3617458

Ion Ratio Lower Upper

95 100

174 74.2 59.6 89.4

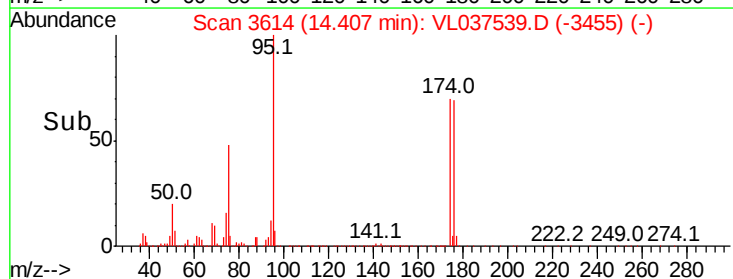
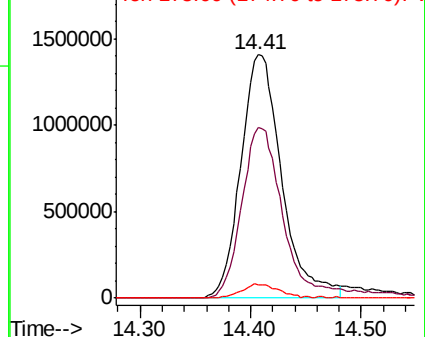
175 5.3 4.6 7.0

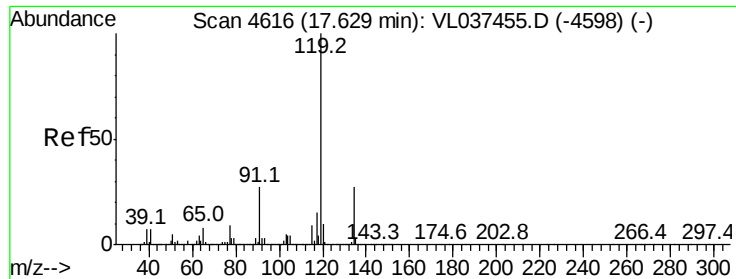


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

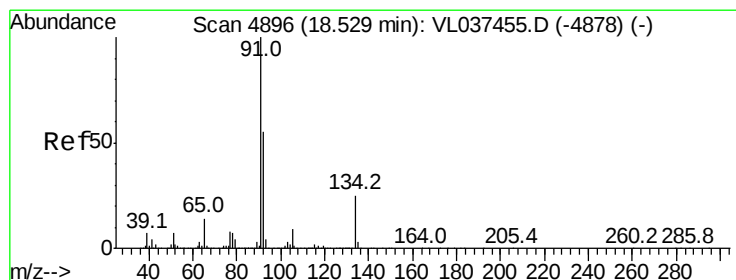
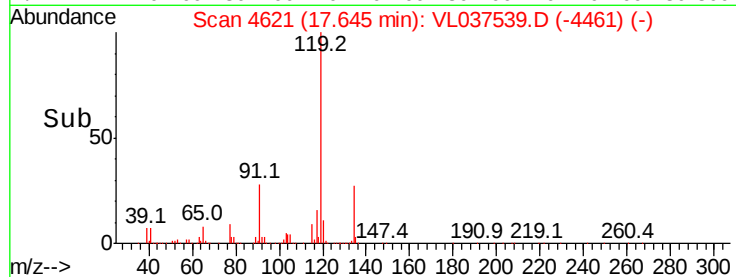
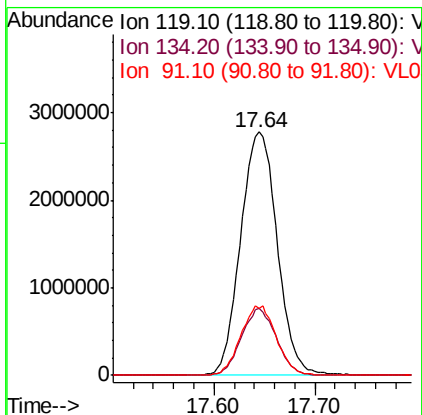
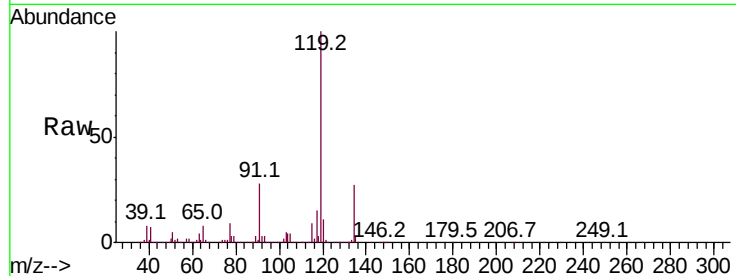




#69
 p-Isopropyltoluene
 Concen: 7.105 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

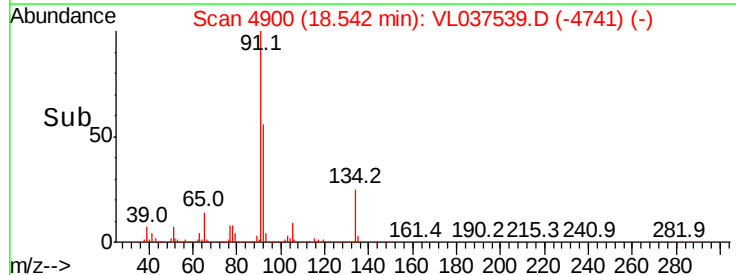
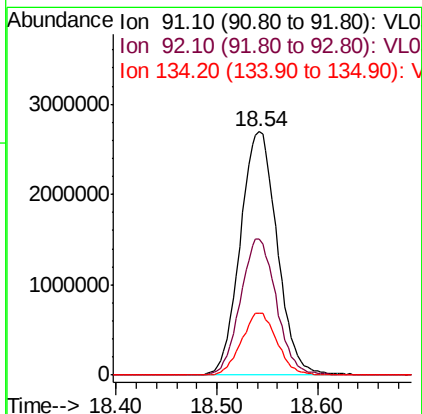
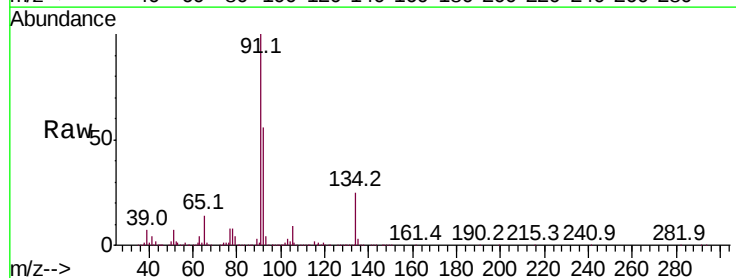
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

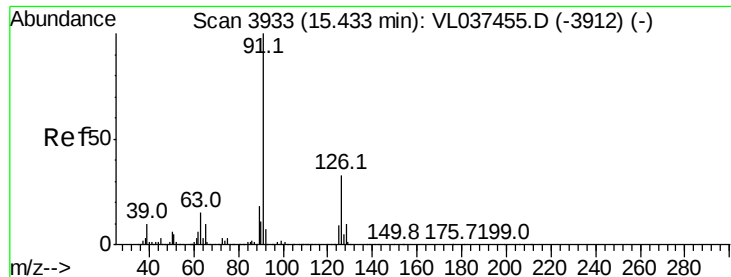
Tot Ion:119 Resp: 6998660
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.1 31.7
 91 27.8 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.242 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion: 91 Resp: 6817275
 Ion Ratio Lower Upper
 91 100
 92 54.8 44.0 66.0
 134 24.6 19.5 29.3

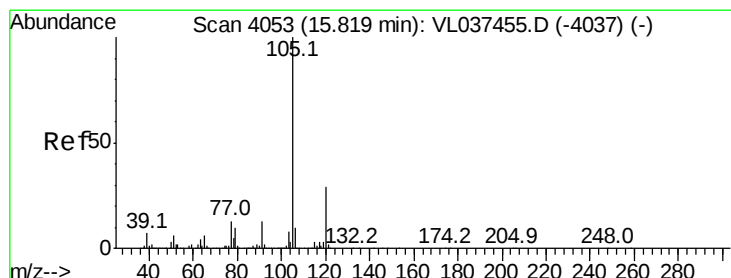
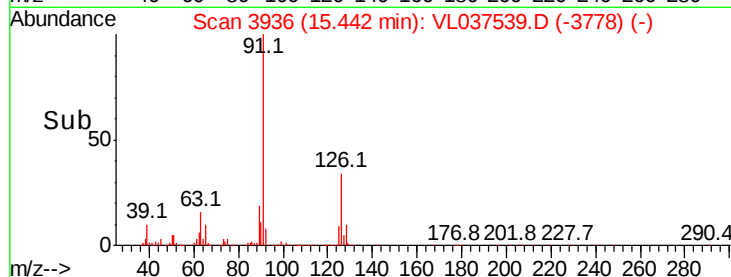
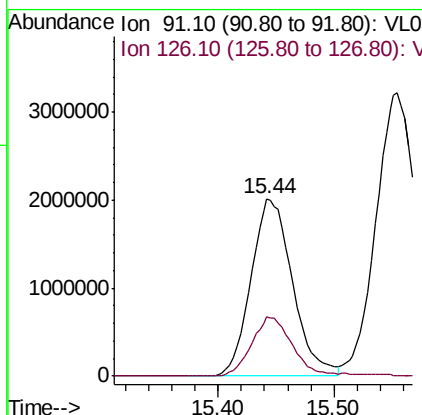
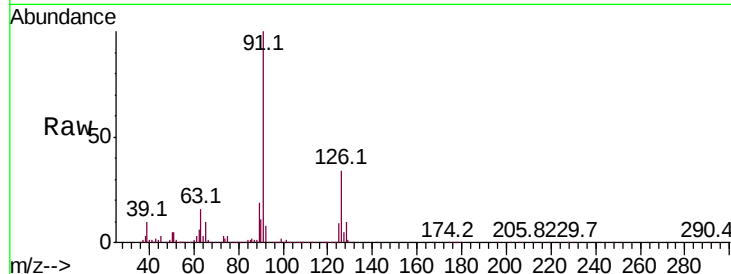




#71
2-Chlorotoluene
Concen: 7.212 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. 0.01 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

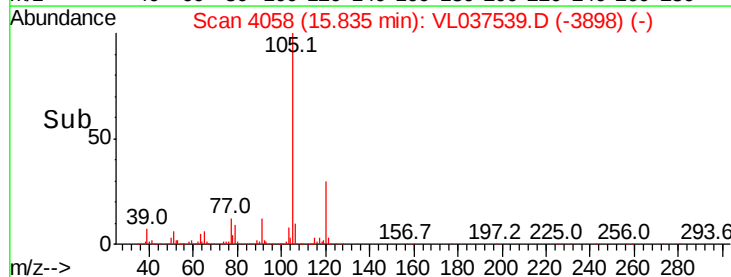
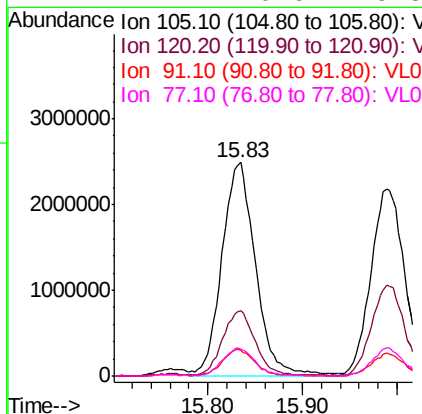
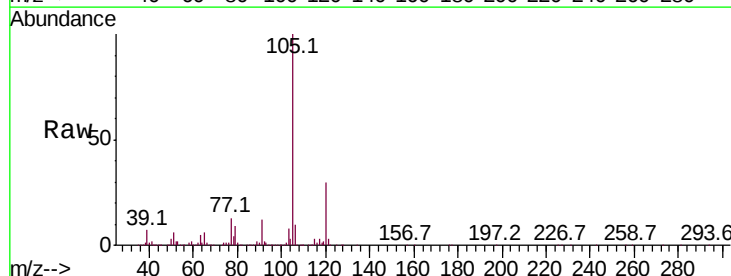
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

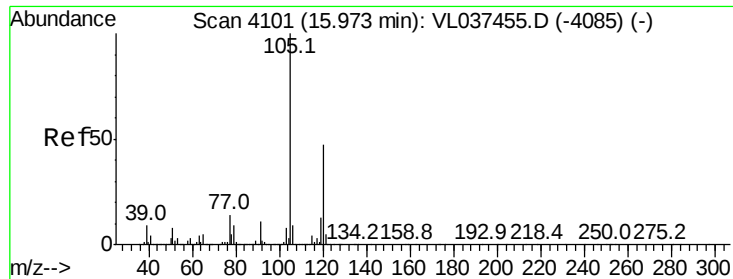
Tot Ion: 91 Resp: 5023380
Ion Ratio Lower Upper
91 100
126 34.1 13.6 54.4



#72
4-Ethyltoluene
Concen: 7.654 ppbv
RT: 15.83 min Scan# 4058
Delta R.T. 0.02 min
Lab File: VL037539.D
Acq: 4 Sep 2021 2:29

Tgt Ion:105 Resp: 6127671
Ion Ratio Lower Upper
105 100
120 30.3 24.7 37.1
91 12.7 9.8 14.8
77 12.7 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.207 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

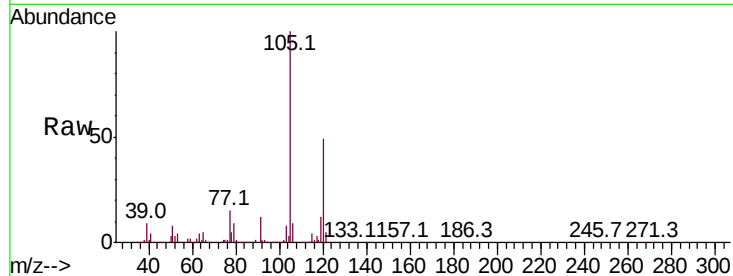
VSTDCCC010EC

Tot Ion:105 Resp: 5370444

Ion Ratio Lower Upper

105 100

120 49.0 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2500000

2000000

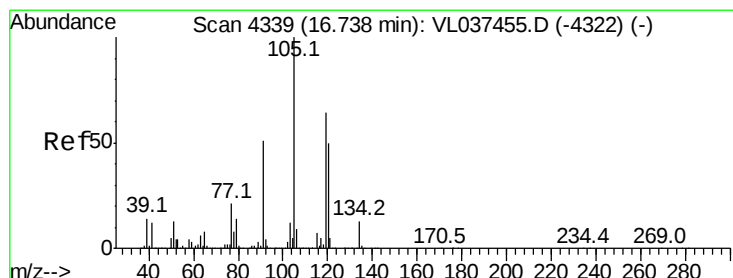
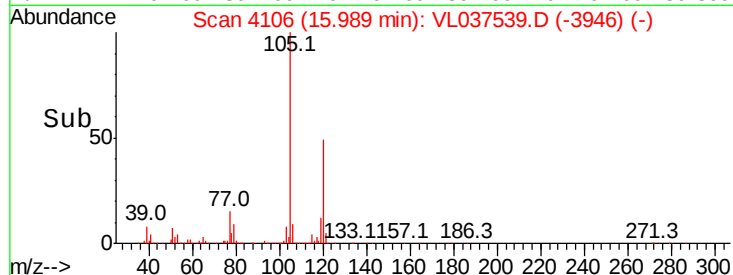
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.855 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Tgt Ion:105 Resp: 5428438

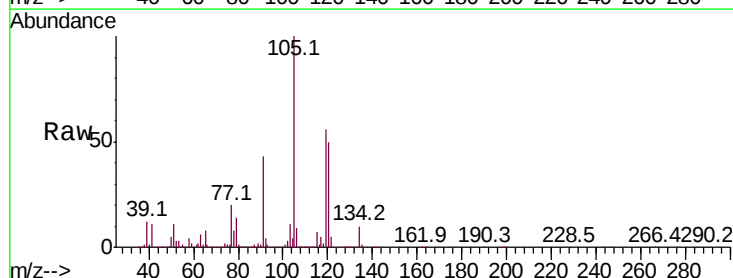
Ion Ratio Lower Upper

105 100

120 49.2 40.4 60.6

91 42.1 44.6 67.0#

77 19.7 17.8 26.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

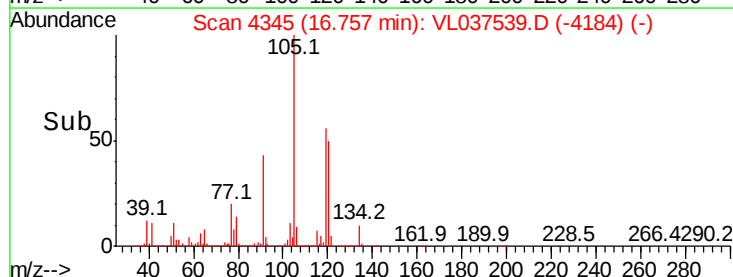
3000000

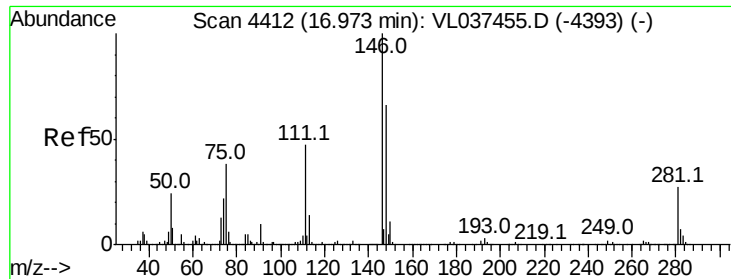
2000000

1000000

0

Time-->

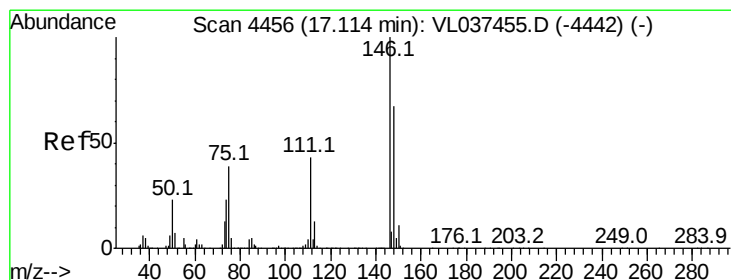
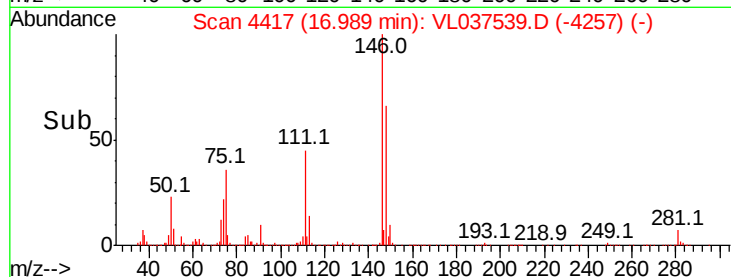
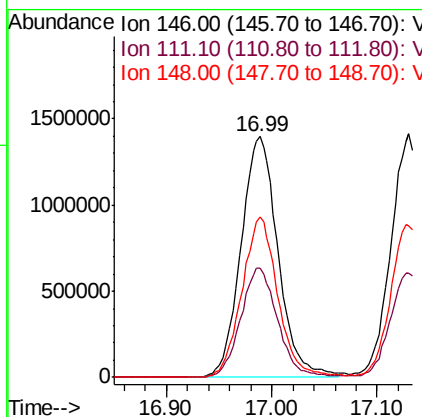
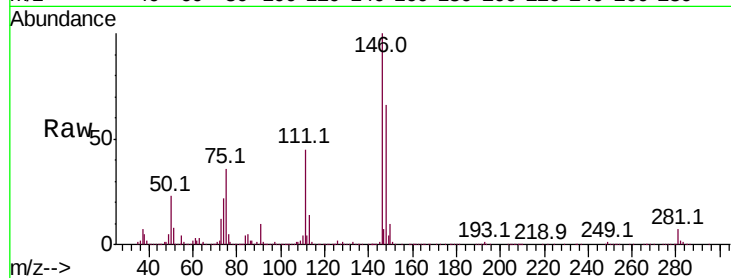




#75
 1,3-Dichlorobenzene
 Concen: 7.131 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

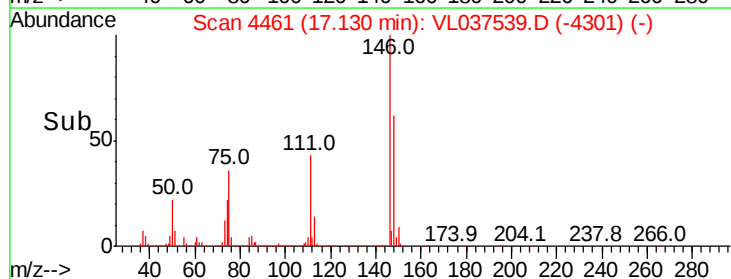
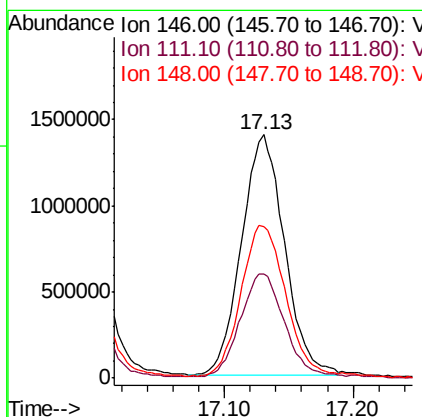
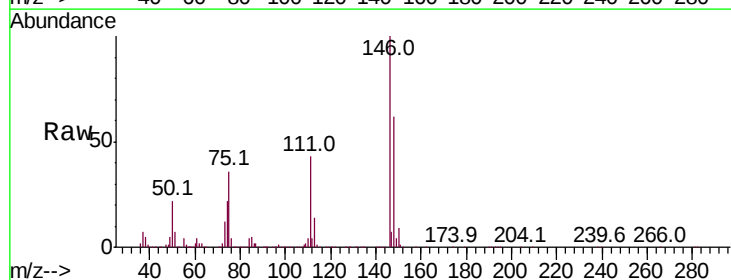
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

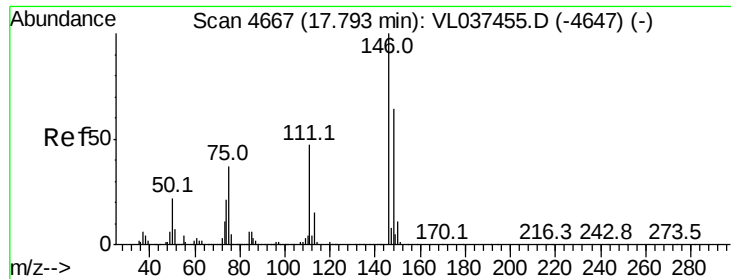
Tot Ion:146 Resp: 3398708
 Ion Ratio Lower Upper
 146 100
 111 45.5 23.4 70.0
 148 65.2 33.1 99.5



#76
 1,4-Dichlorobenzene
 Concen: 6.774 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.02 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion:146 Resp: 3252720
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.1 66.5
 148 66.8 32.4 97.0

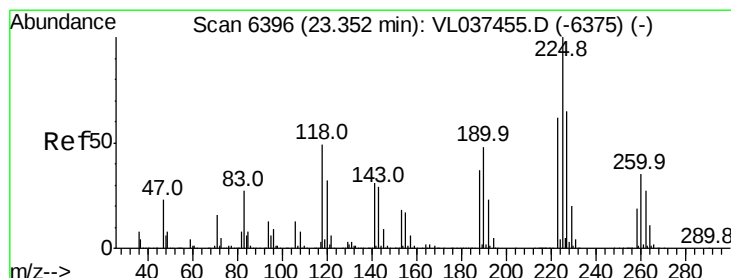
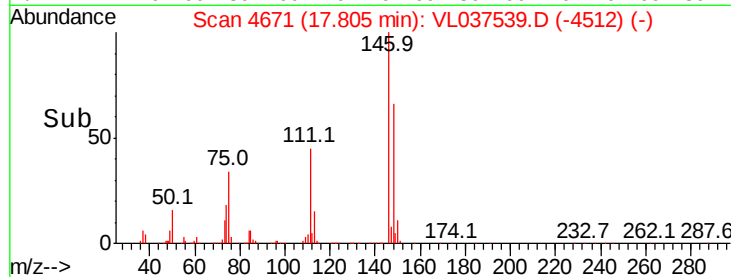
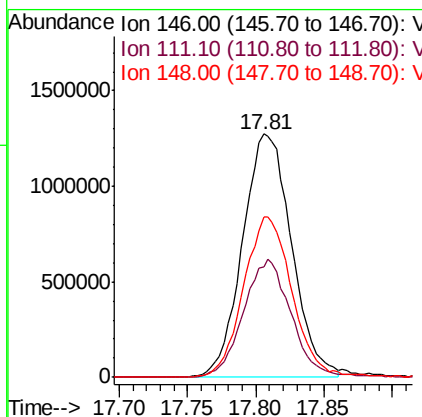
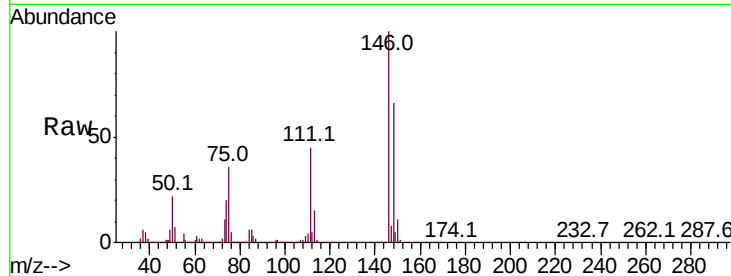




#77
 1,2-Dichlorobenzene
 Concen: 6.718 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

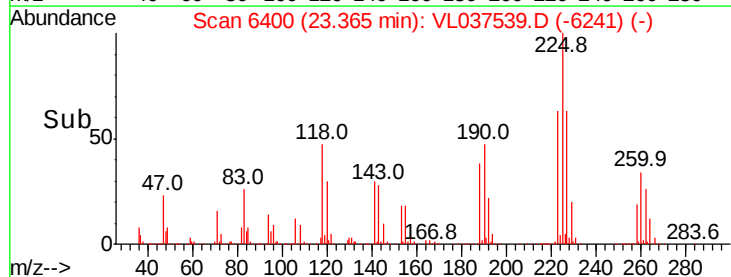
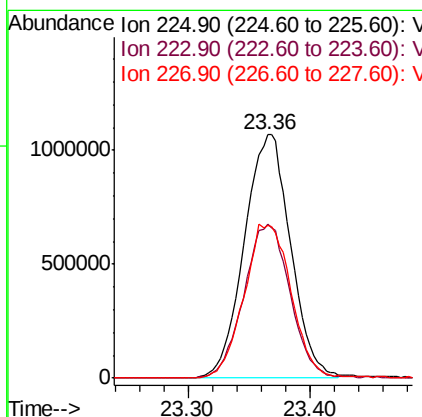
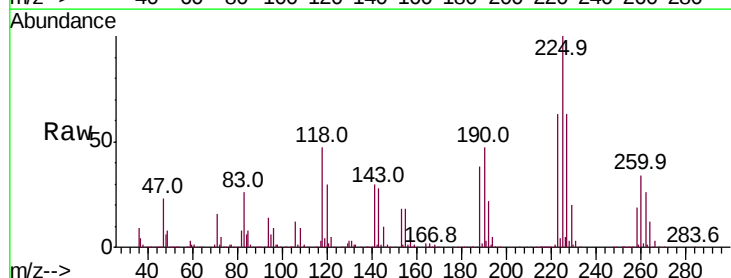
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

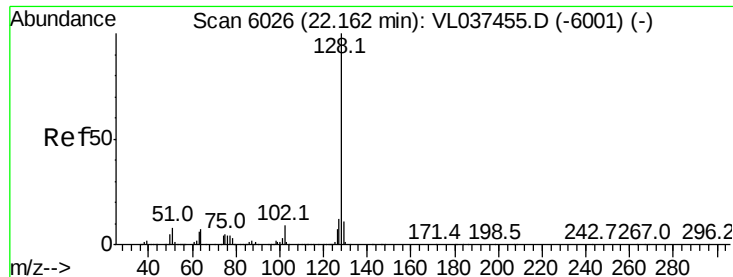
Tot Ion:146 Resp: 3153299
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.3
 148 66.0 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.188 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. 0.01 min
 Lab File: VL037539.D
 Acq: 4 Sep 2021 2:29

Tgt Ion:225 Resp: 2805127
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.4 77.0
 227 64.7 52.9 79.3





#79

Naphthalene

Concen: 9.721 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

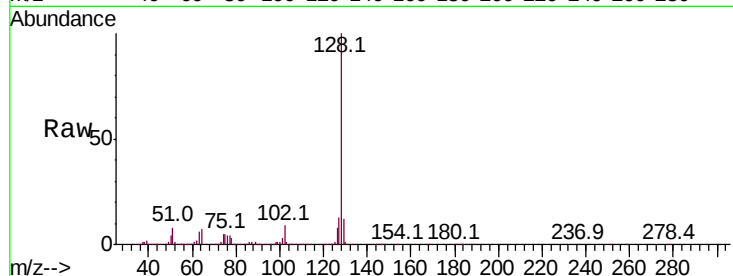
Tot Ion:128 Resp: 5151098

Ion Ratio Lower Upper

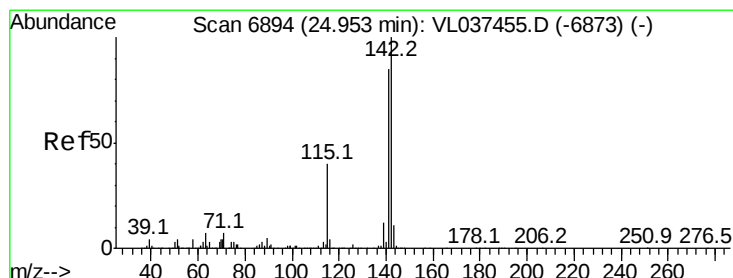
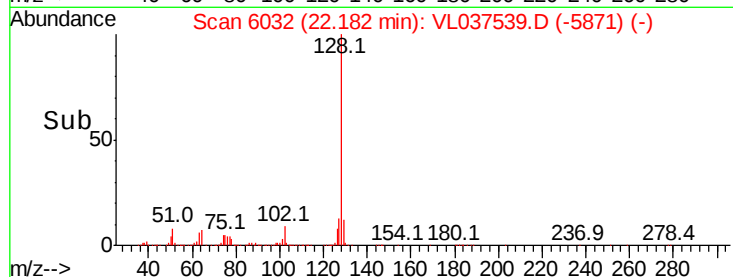
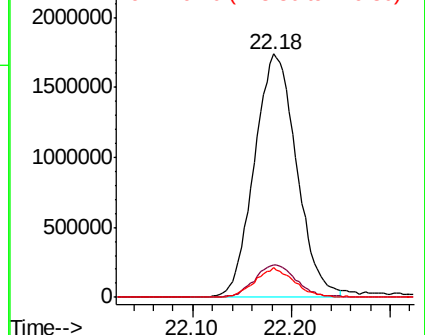
128 100

127 13.2 9.4 14.2

129 12.0 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: 12.106 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.01 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

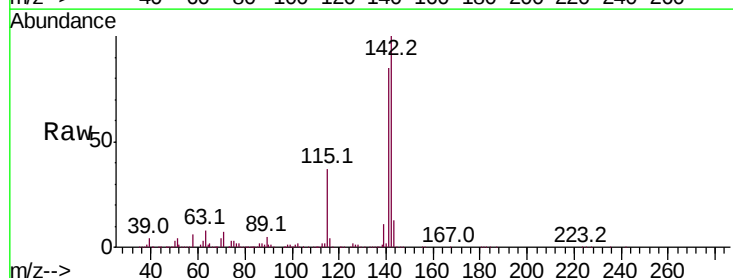
Tgt Ion:142 Resp: 1787193

Ion Ratio Lower Upper

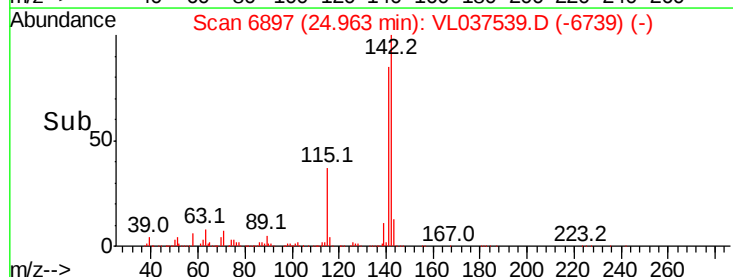
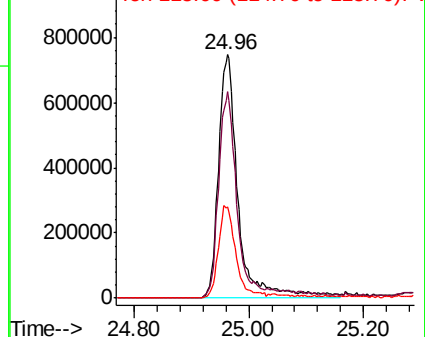
142 100

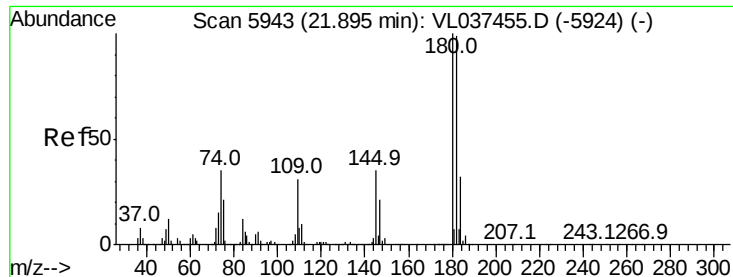
141 83.2 64.7 97.1

115 35.3 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: 8.639 ppbv

RT: 21.91 min Scan# 5949

Delta R.T. 0.02 min

Lab File: VL037539.D

Acq: 4 Sep 2021 2:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:180 Resp: 2872581

Ion Ratio Lower Upper

180 100

182 96.7 79.6 119.4

184 31.5 25.4 38.2

