

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037561.D
 Acq On : 7 Sep 2021 21:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Sep 08 11:11:40 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	5.67	49	1807461	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5289956	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	5933161	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3608962	8.56	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2087773	7.199 ppbv	98
3) Chlorodifluoromethane	2.99	51	2933719	8.476 ppbv	99
4) Chloromethane	3.14	50	1006460	8.138 ppbv	92
5) Vinyl Chloride	3.26	62	988728	7.803 ppbv	97
6) Bromomethane	3.48	94	486446	7.008 ppbv	96
7) Chloroethane	3.56	64	328511	7.596 ppbv #	87
8) Dichlorotetrafluoroethane	3.19	85	2305714	7.701 ppbv	96
9) Propene	3.01	41	948635	7.660 ppbv	99
10) Heptane	8.13	43	2505201	8.789 ppbv	99
11) Trichlorofluoromethane	3.95	101	2177133	7.998 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1532767	7.673 ppbv	97
13) Ethanol	3.61	45	24565	2.039 ppbv #	39
14) Bromoethene	3.75	108	717574	7.913 ppbv	99
15) Acetone	3.85	43	1219708	6.631 ppbv	97
16) 1,3-Butadiene	3.33	39	1057503	8.962 ppbv	90
17) tert-Butyl alcohol	4.29	59	1253407	7.459 ppbv	98
18) 1,1-Dichloroethene	4.29	96	716007	7.891 ppbv	93
19) Isopropyl Alcohol	3.97	45	792359	7.519 ppbv #	93
20) Methylene Chloride	4.35	84	645885	7.013 ppbv	95
21) Allyl Chloride	4.42	41	1051525	7.038 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	687313	7.592 ppbv	91
23) Vinyl Acetate	5.08	43	2425754	8.947 ppbv	99
24) 1,1-Dichloroethane	5.02	63	1736772	8.832 ppbv	99
25) Ethyl Acetate	5.68	43	3706607	7.937 ppbv	99
26) Hexane	5.69	57	1835632	8.040 ppbv	96
27) Carbon Disulfide	4.55	76	1711835	8.413 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1713348	7.813 ppbv	99
29) Chloroform	5.75	83	2636629	8.149 ppbv	98
30) Cyclohexane	7.13	84	1556285	8.181 ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1690583	8.181 ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2474570	7.784 ppbv	98
34) 2-Butanone	5.25	43	1683148	7.792 ppbv	98
35) Carbon Tetrachloride	7.02	117	2582119	8.259 ppbv	95
36) Benzene	6.90	78	3784797	8.511 ppbv	99
37) 1,2-Dichloroethane	6.31	62	1825984	8.290 ppbv	99
38) Trichloroethene	7.84	130	1500339	8.223 ppbv	97
39) 1,2-Dichloropropane	7.62	63	1447029	8.468 ppbv	98
40) 1,4-Dioxane	7.84	88	335795	8.021 ppbv #	100
41) Tetrahydrofuran	6.05	42	773320	7.431 ppbv	98
42) Bromodichloromethane	7.79	83	2801702	8.698 ppbv	97
43) Methyl Methacrylate	8.02	69	1413034	9.117 ppbv	98

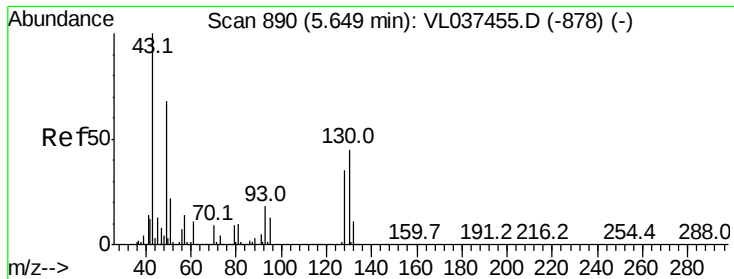
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037561.D
 Acq On : 7 Sep 2021 21:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Sep 08 11:11:40 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)
44) 2,2,4-Trimethylpentane	7.87	57	6399427	8.551	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	886854	7.601	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1311649	8.059	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1564767	8.475	ppbv	96
48) Dibromochloromethane	10.31	129	2454334	9.237	ppbv	99
49) Bromoform	13.04	173	2067755	9.873	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2515742	8.927	ppbv	99
51) 2-Hexanone	10.14	43	1353314	10.440	ppbv #	97
52) Tetrachloroethene	11.22	164	1417137	7.777	ppbv	97
53) Toluene	9.81	91	4478109	8.819	ppbv	99
54) 1,2-Dibromoethane	10.61	107	2204359	8.552	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1741328	7.043	ppbv #	52
57) Chlorobenzene	12.15	112	3286379	6.675	ppbv	97
58) Ethyl Benzene	12.71	91	5723505	6.951	ppbv	100
59) m/p-Xylene	13.00	91	5088633	7.129	ppbv #	35
60) o-Xylene	13.69	91	4502658	6.759	ppbv	98
61) Styrene	13.53	104	2532148	7.317	ppbv	98
62) Isopropylbenzene	14.67	105	6551463	6.968	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3475676	7.019	ppbv	100
64) n-propylbenzene	15.56	120	1725505	7.211	ppbv	96
65) tert-Butylbenzene	16.74	119	5878858	6.865	ppbv	100
66) Benzyl Chloride	16.99	91	83528	2.156	ppbv #	66
67) sec-Butylbenzene	17.29	105	8231705	6.880	ppbv	99
69) p-Isopropyltoluene	17.65	119	6917776	7.095	ppbv	99
70) n-Butylbenzene	18.55	91	6822921	7.322	ppbv	100
71) 2-Chlorotoluene	15.45	91	4902877	7.111	ppbv	100
72) 4-Ethyltoluene	15.84	105	5727695	7.228	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	5031542	6.821	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	5351916	6.828	ppbv #	91
75) 1,3-Dichlorobenzene	17.00	146	3381792	7.168	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3270944	6.882	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	3307451	7.119	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	2667771	6.906	ppbv	99
79) Naphthalene	22.19	128	4559969	8.693	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	1365273	9.343	ppbv	94
81) 1,2,4-Trichlorobenzene	21.92	180	2696761	8.193	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

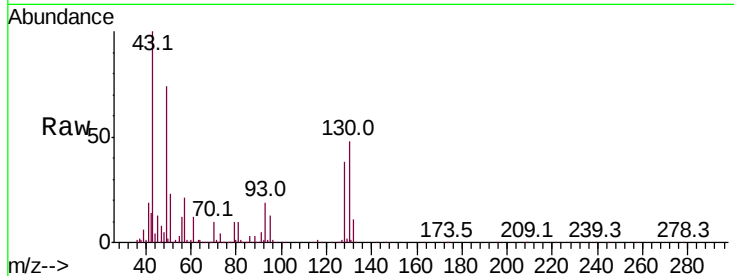
Tot Ion: 49 Resp: 1807461

Ion Ratio Lower Upper

49 100

128 54.0 27.5 82.4

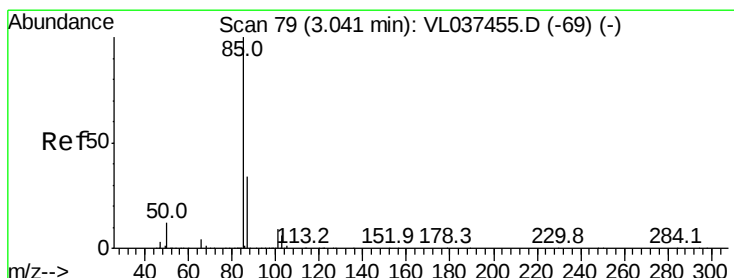
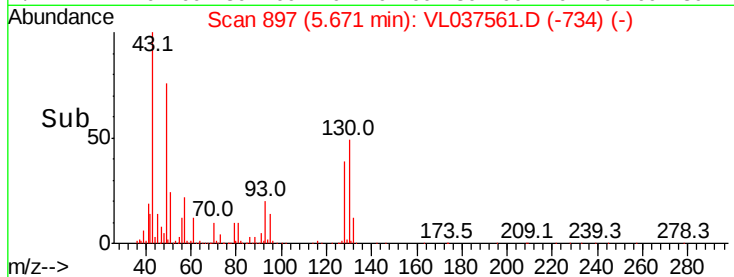
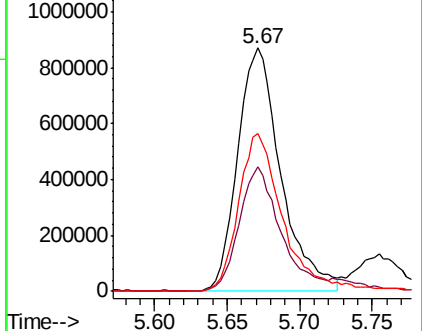
130 67.1 34.0 101.8



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: 7.199 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037561.D

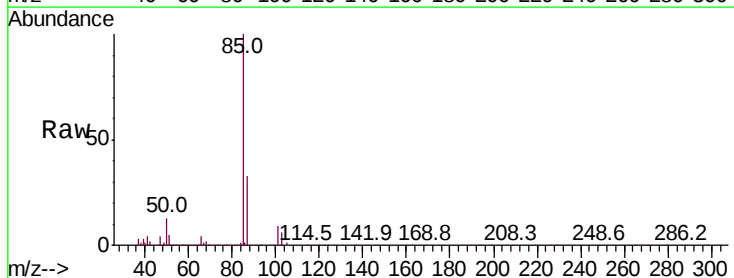
Acq: 7 Sep 2021 21:33

Tgt Ion: 85 Resp: 2087773

Ion Ratio Lower Upper

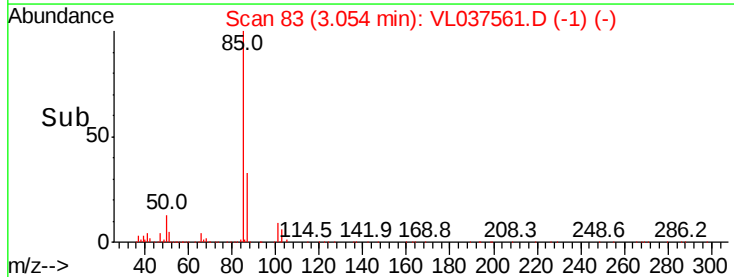
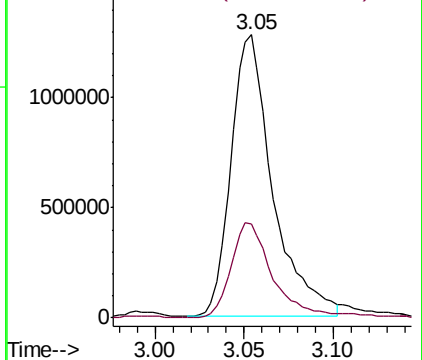
85 100

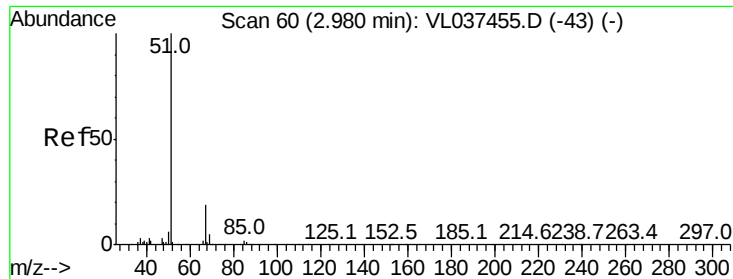
87 33.4 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

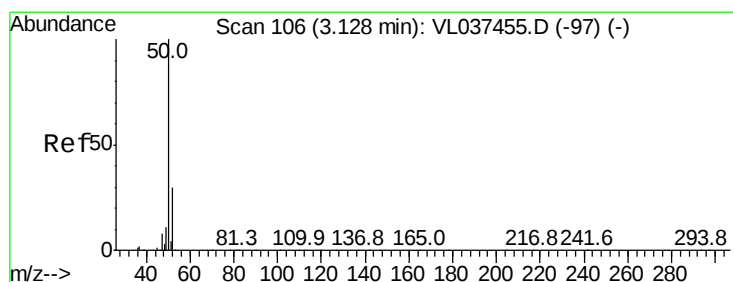
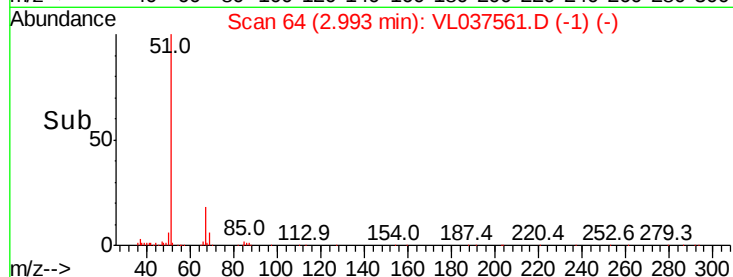
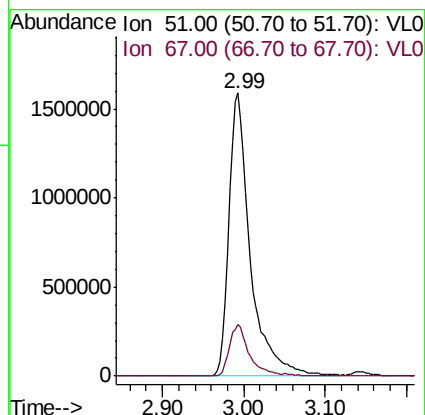
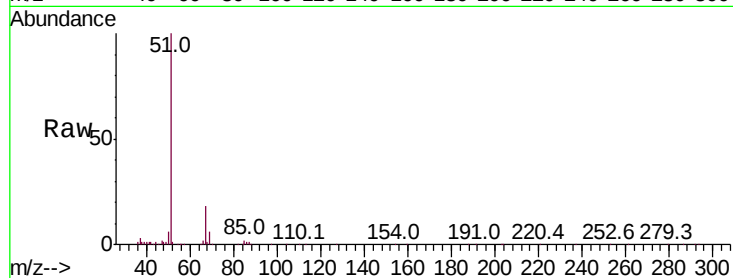




#3
Chlorodifluoromethane
Concen: 8.476 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

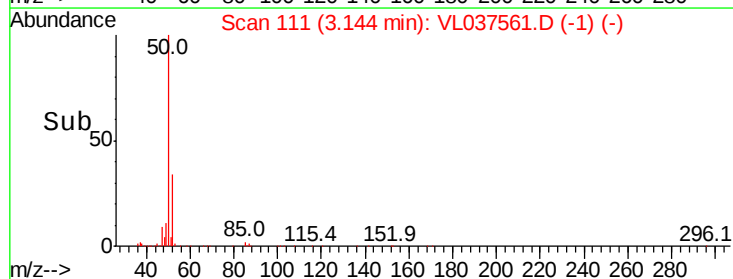
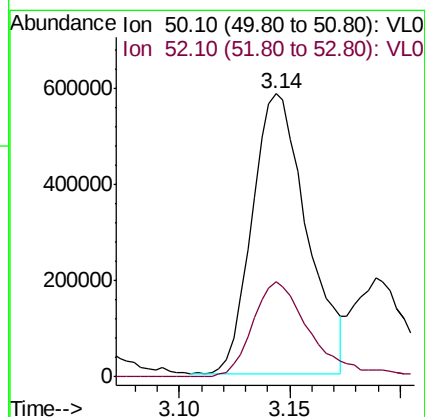
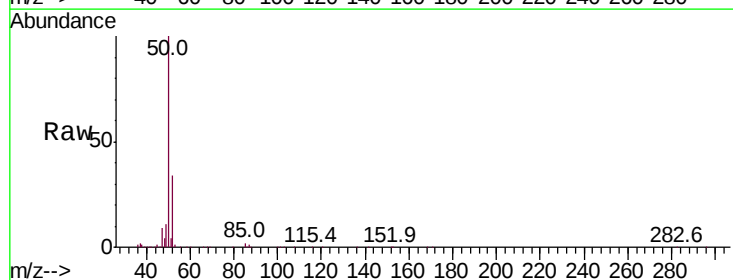
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

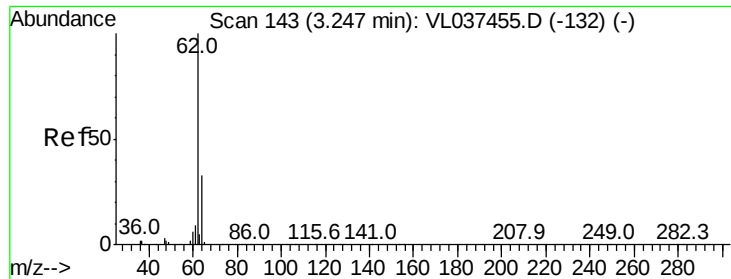
Tot Ion: 51 Resp: 2933719
Ion Ratio Lower Upper
51 100
67 17.5 14.2 21.2



#4
Chloromethane
Concen: 8.138 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 50 Resp: 1006460
Ion Ratio Lower Upper
50 100
52 34.1 24.0 36.0





#5

Vinyl Chloride

Concen: 7.803 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

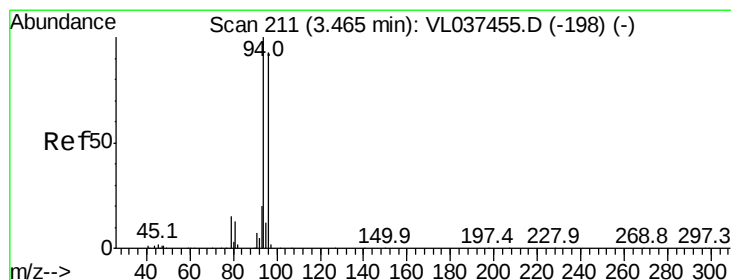
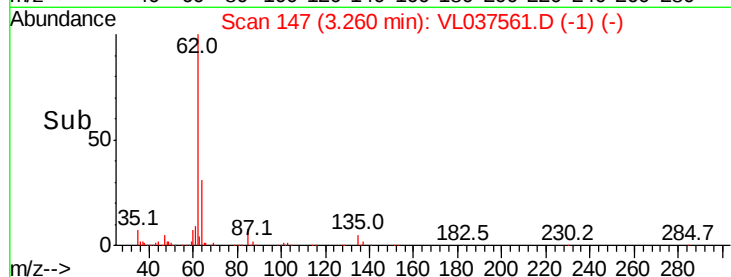
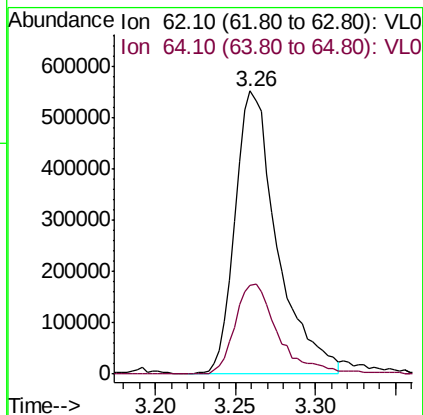
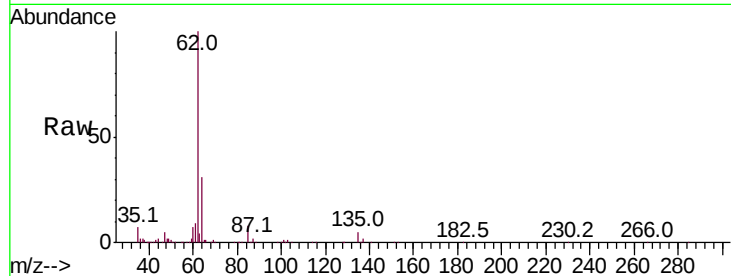
VSTDCCC010EC

Tot Ion: 62 Resp: 988728

Ion Ratio Lower Upper

62 100

64 31.5 26.5 39.7



#6

Bromomethane

Concen: 7.008 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037561.D

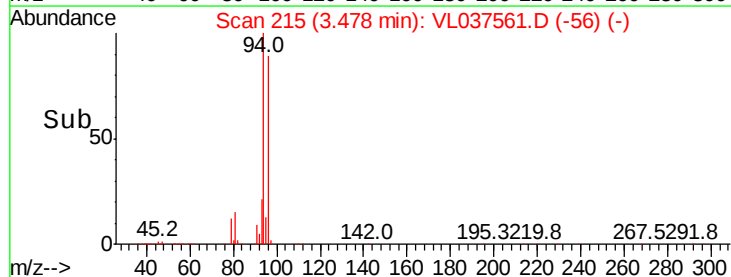
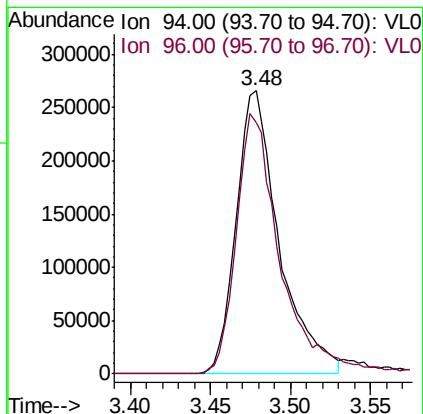
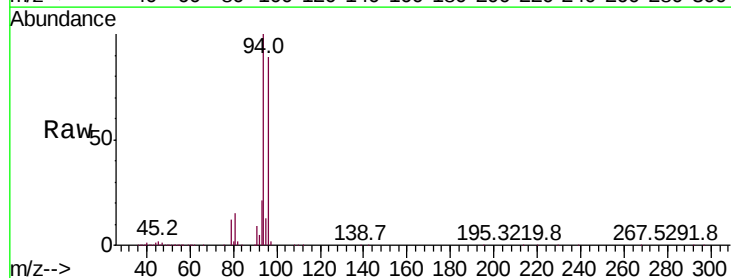
Acq: 7 Sep 2021 21:33

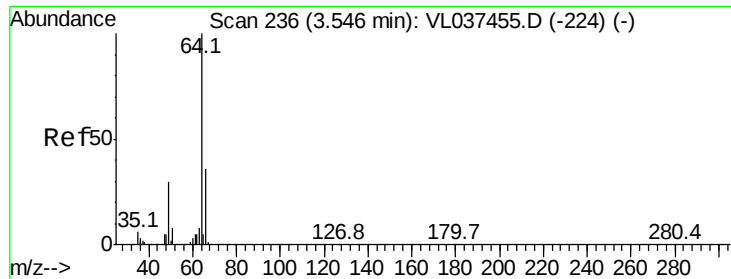
Tgt Ion: 94 Resp: 486446

Ion Ratio Lower Upper

94 100

96 88.8 74.5 111.7





#7

Chloroethane

Concen: 7.596 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

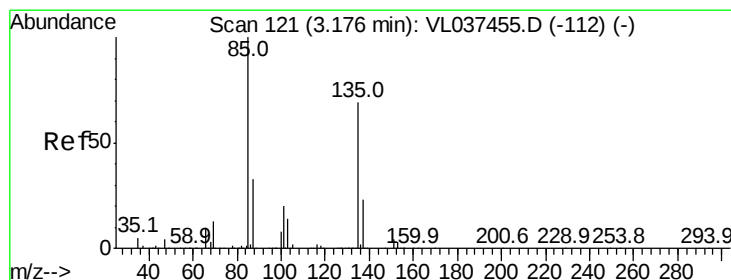
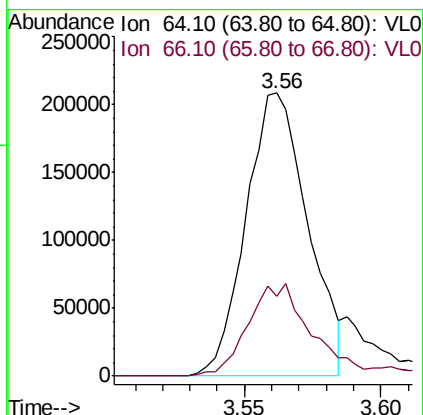
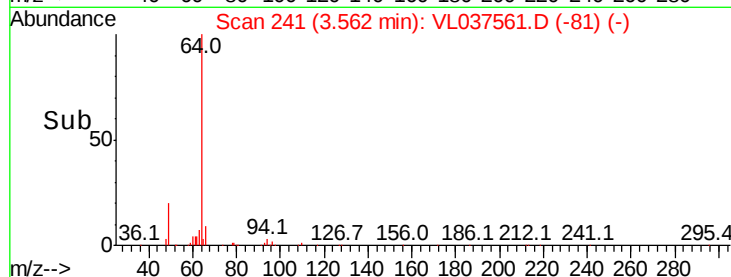
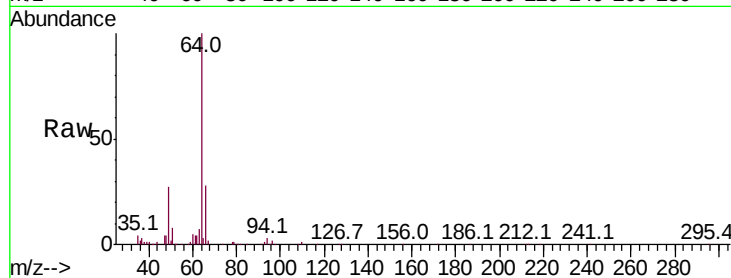
VSTDCCC010EC

Tot Ion: 64 Resp: 328511

Ion Ratio Lower Upper

64 100

66 28.4 28.6 43.0#



#8

Dichlorotetrafluoroethane

Concen: 7.701 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037561.D

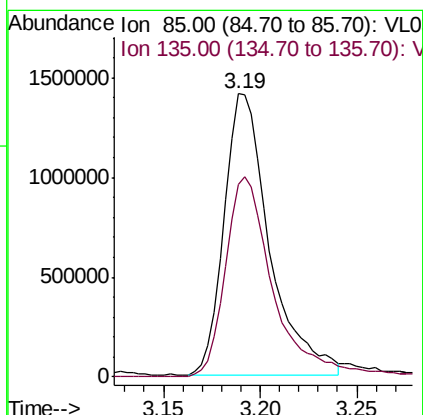
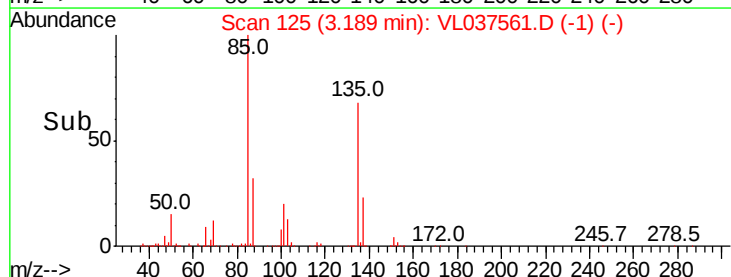
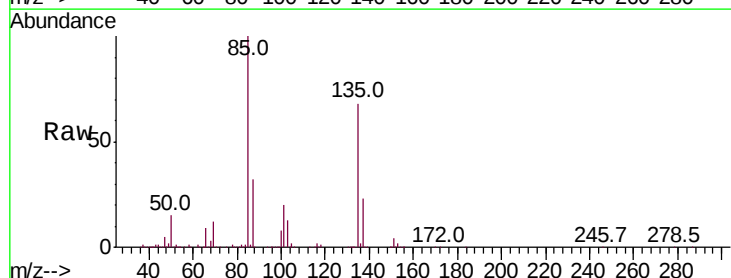
Acq: 7 Sep 2021 21:33

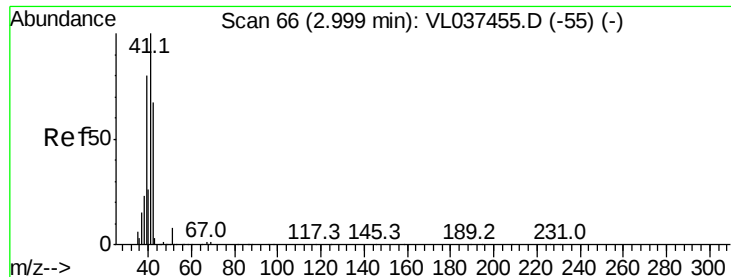
Tgt Ion: 85 Resp: 2305714

Ion Ratio Lower Upper

85 100

135 76.6 58.8 88.2





#9

Propene

Concen: 7.660 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

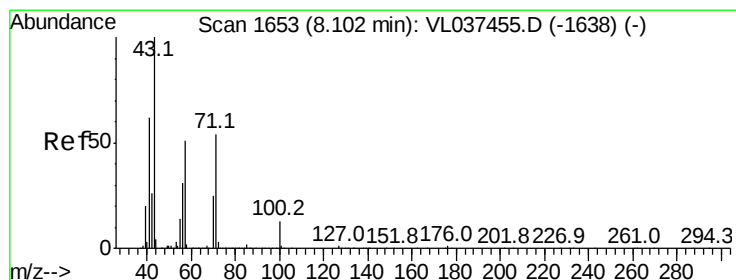
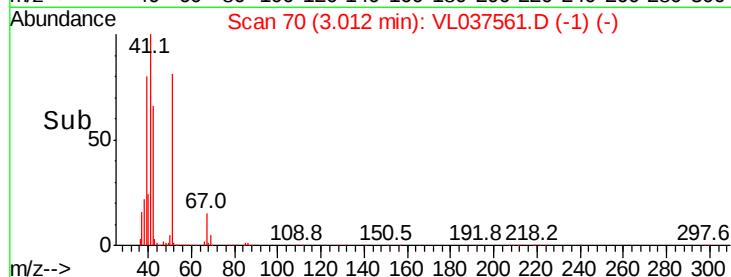
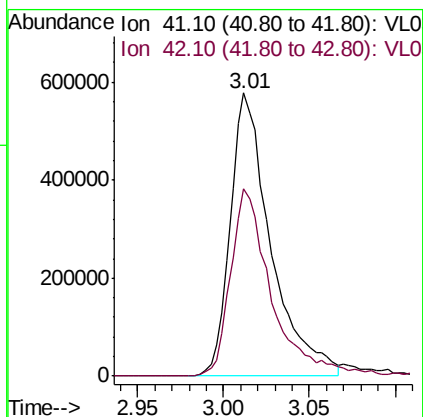
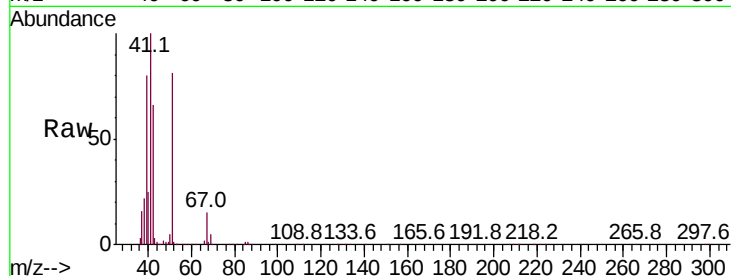
VSTDCCC010EC

Tot Ion: 41 Resp: 948635

Ion Ratio Lower Upper

41 100

42 67.9 53.7 80.5



#10

Heptane

Concen: 8.789 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL037561.D

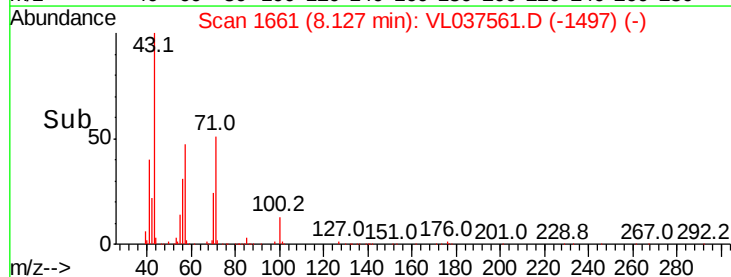
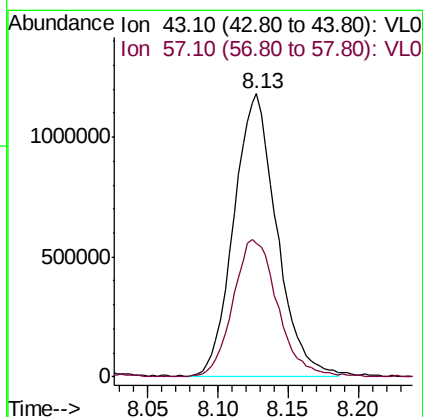
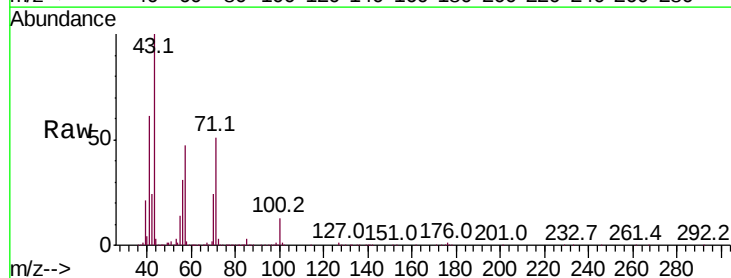
Acq: 7 Sep 2021 21:33

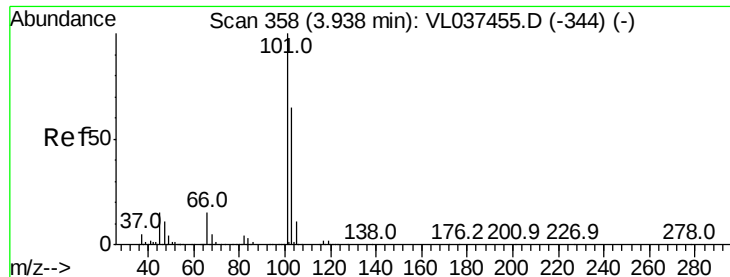
Tgt Ion: 43 Resp: 2505201

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6

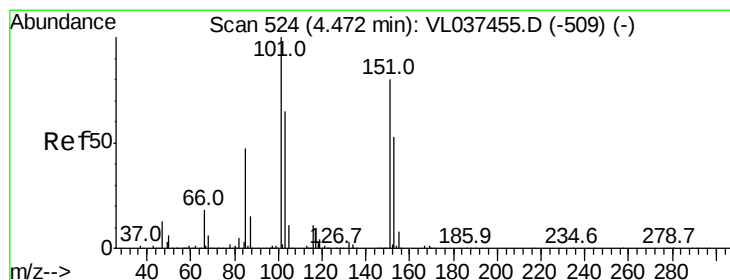
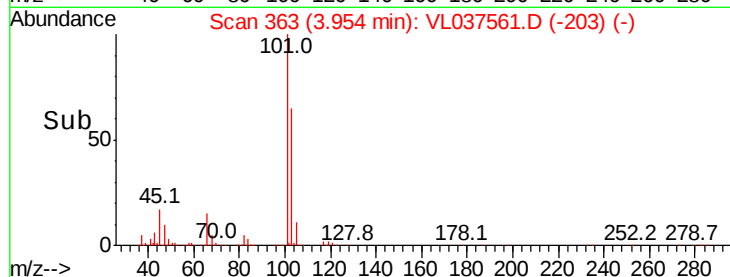
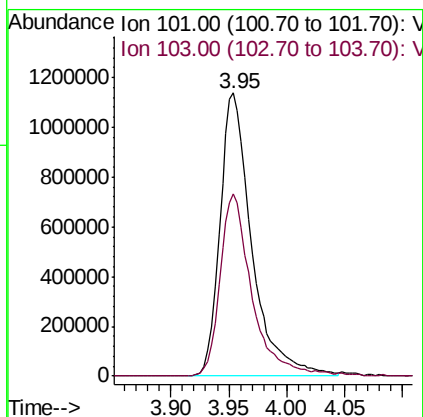
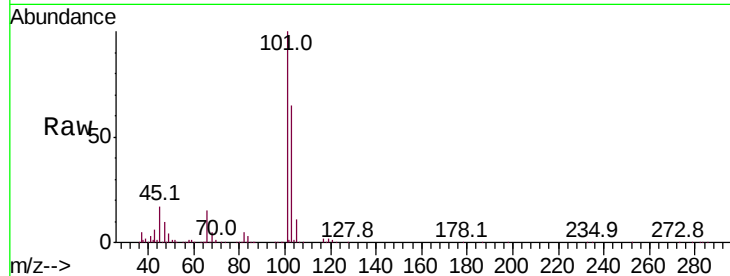




#11
 Trichlorofluoromethane
 Concen: 7.998 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

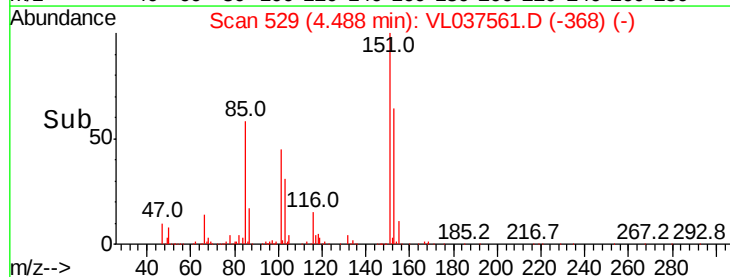
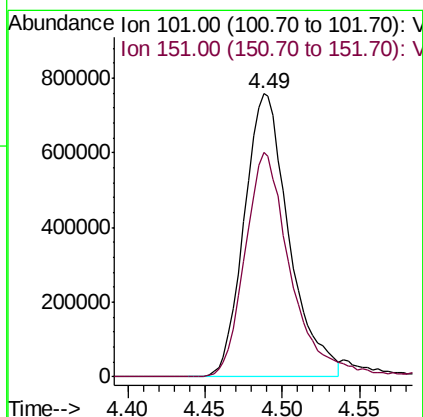
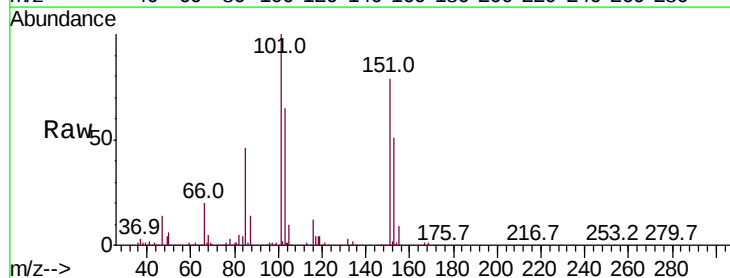
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

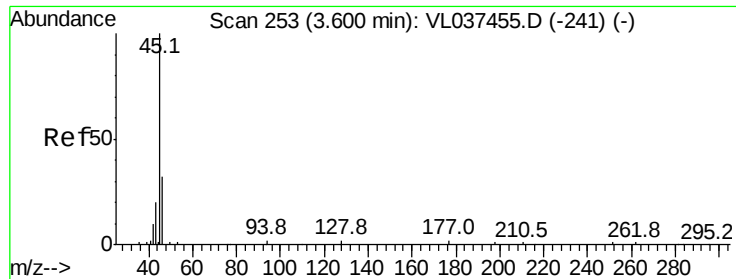
Tot Ion:101 Resp: 2177133
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.673 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Tgt Ion:101 Resp: 1532767
 Ion Ratio Lower Upper
 101 100
 151 81.9 63.7 95.5

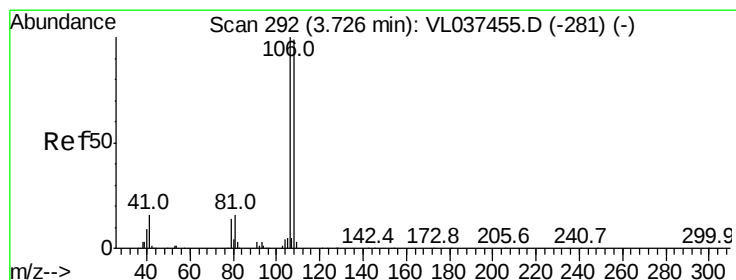
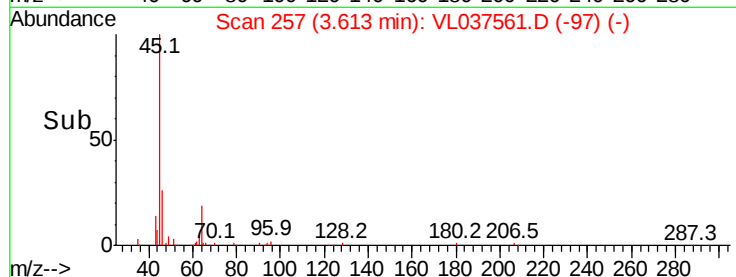
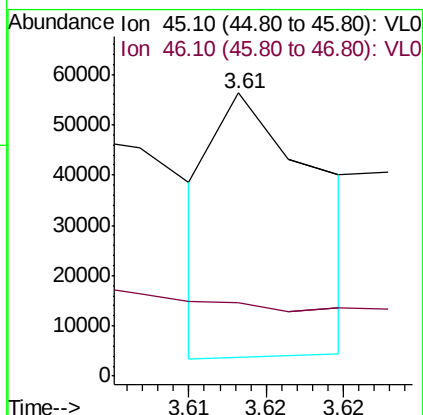
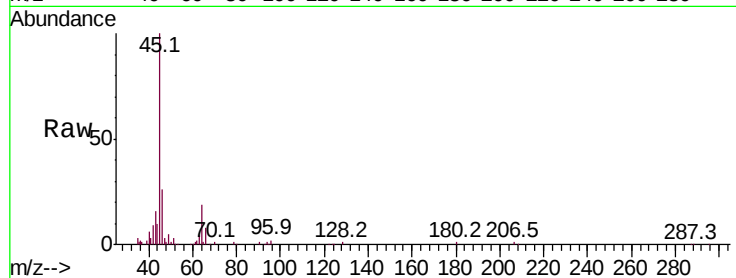




#13
Ethanol
Concen: 2.039 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

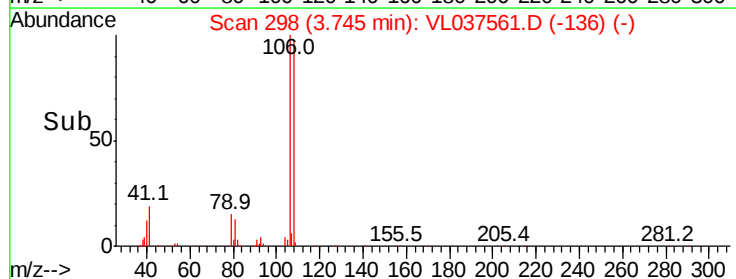
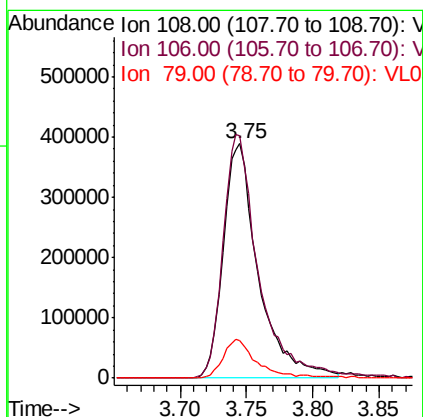
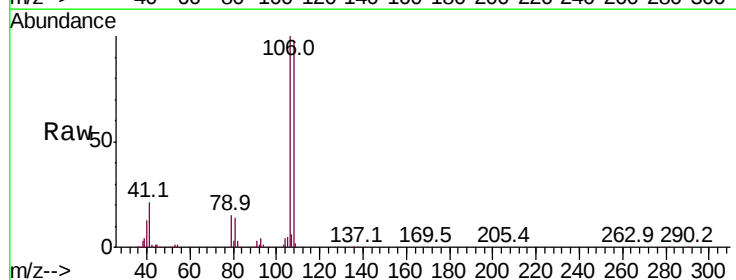
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

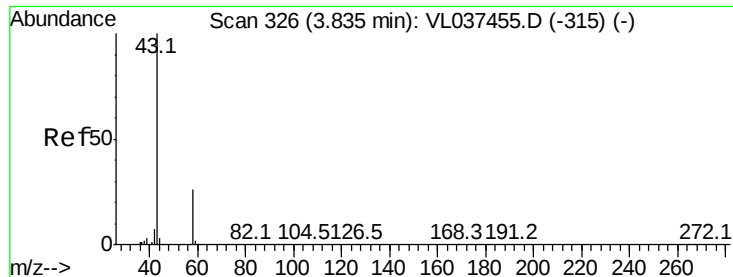
Tot Ion: 45 Resp: 24565
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#



#14
Bromoethene
Concen: 7.913 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 108 Resp: 717574
Ion Ratio Lower Upper
108 100
106 106.1 85.8 128.8
79 16.6 12.6 18.8





#15

Acetone

Concen: 6.631 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

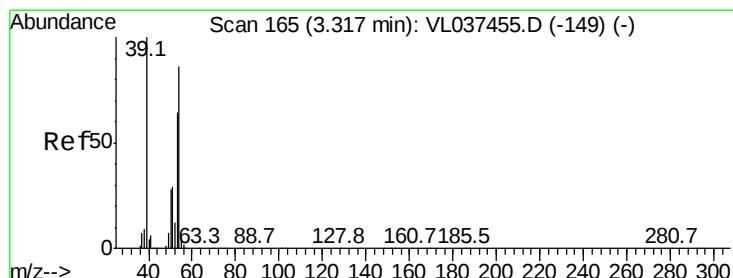
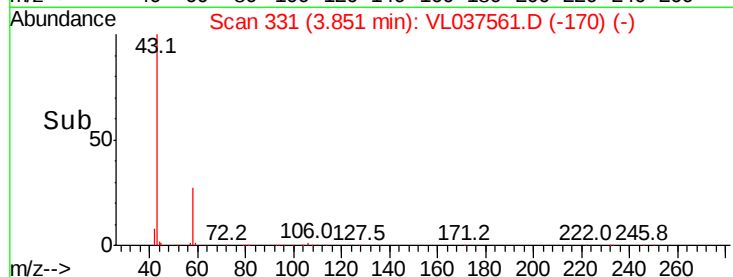
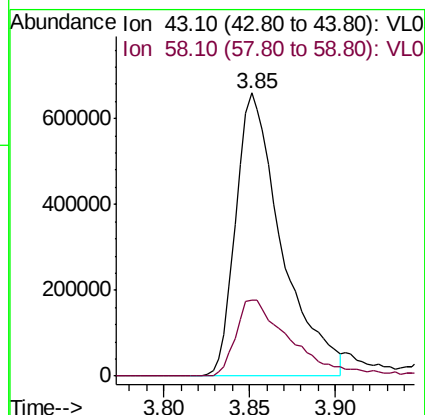
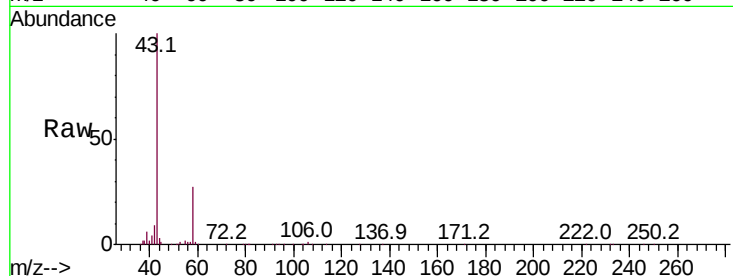
VSTDCCC010EC

Tot Ion: 43 Resp: 1219708

Ion Ratio Lower Upper

43 100

58 32.4 24.8 37.2



#16

1,3-Butadiene

Concen: 8.962 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037561.D

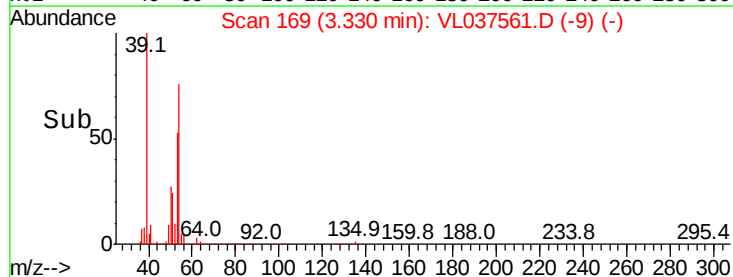
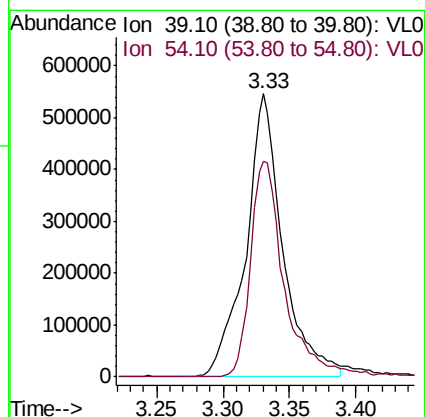
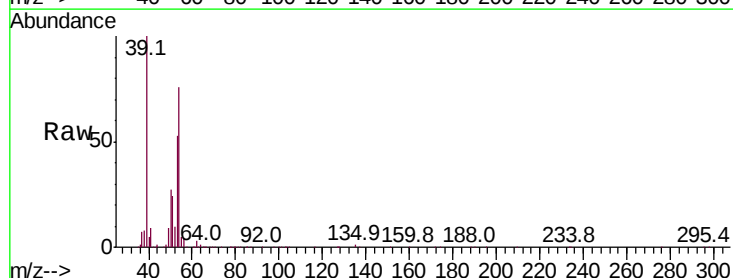
Acq: 7 Sep 2021 21:33

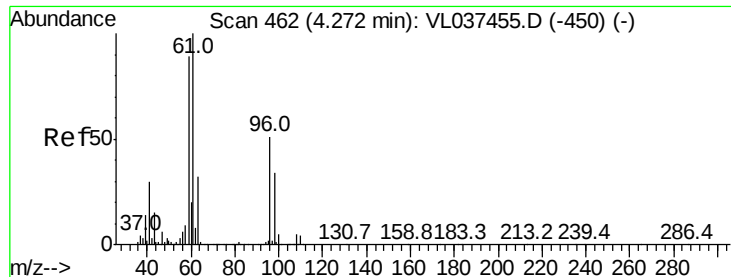
Tgt Ion: 39 Resp: 1057503

Ion Ratio Lower Upper

39 100

54 71.0 63.7 95.5



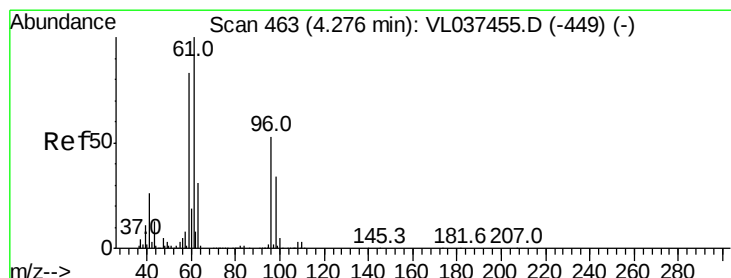
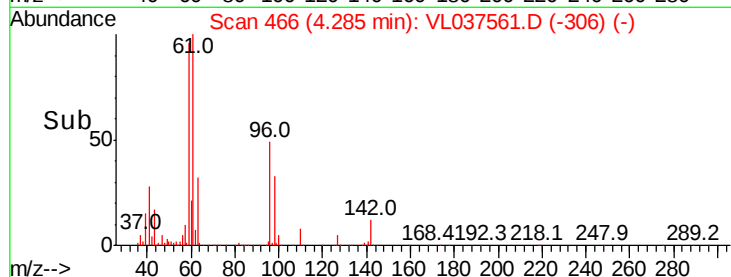
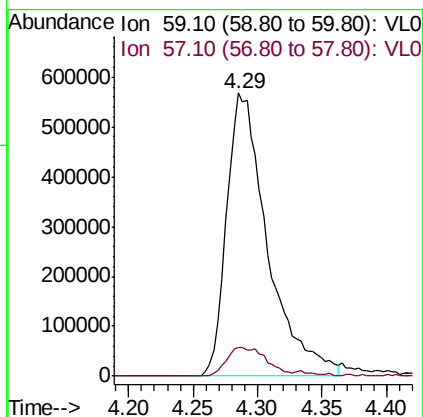
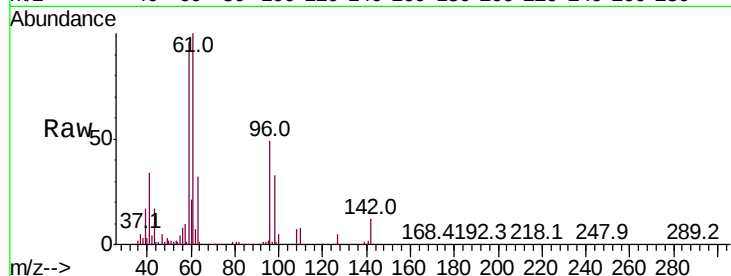


#17

tert-Butyl alcohol
Concen: 7.459 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

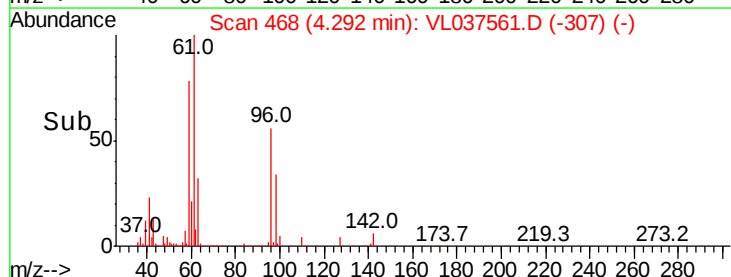
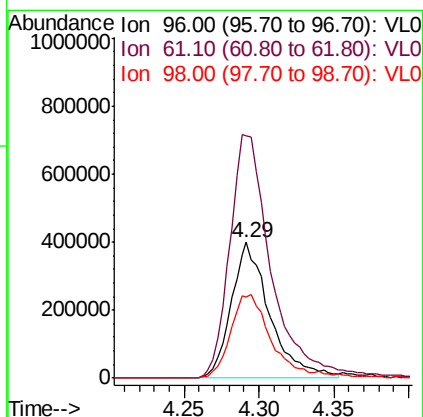
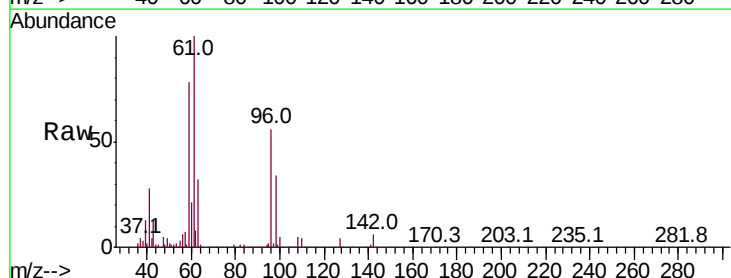
Tot Ion: 59 Resp: 1253407
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5

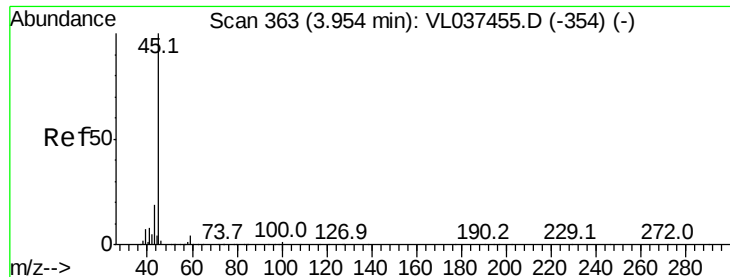


#18

1,1-Dichloroethene
Concen: 7.891 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 96 Resp: 716007
Ion Ratio Lower Upper
96 100
61 177.7 151.1 226.7
98 59.6 51.8 77.8





#19

Isopropyl Alcohol

Concen: 7.519 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

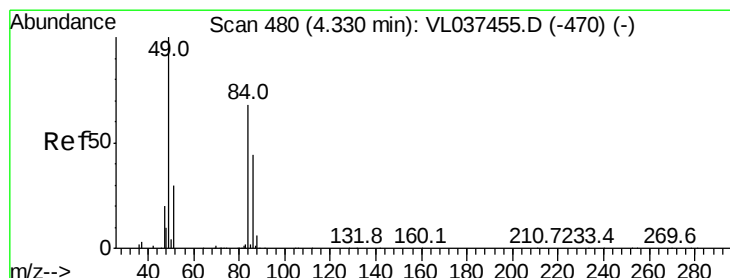
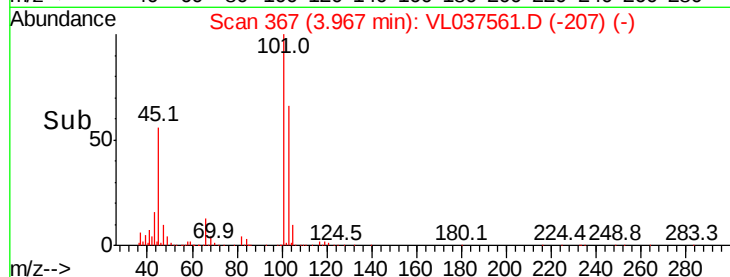
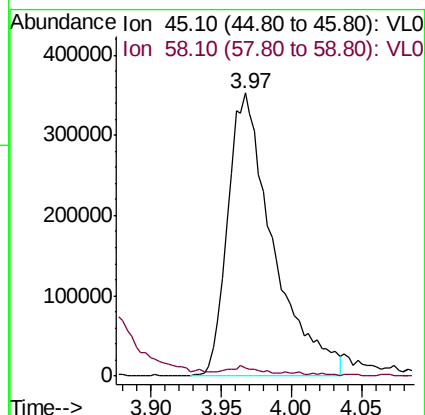
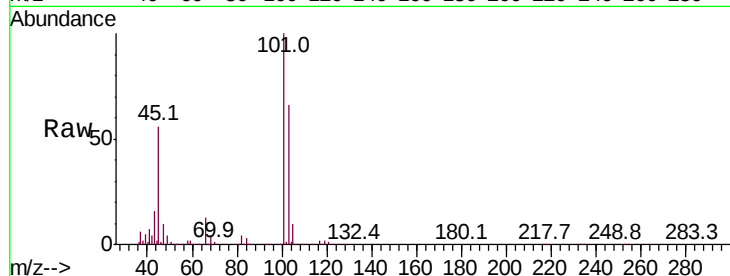
VSTDCCC010EC

Tot Ion: 45 Resp: 792359

Ion Ratio Lower Upper

45 100

58 4.2 1.4 2.2#



#20

Methylene Chloride

Concen: 7.013 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion: 84 Resp: 645885

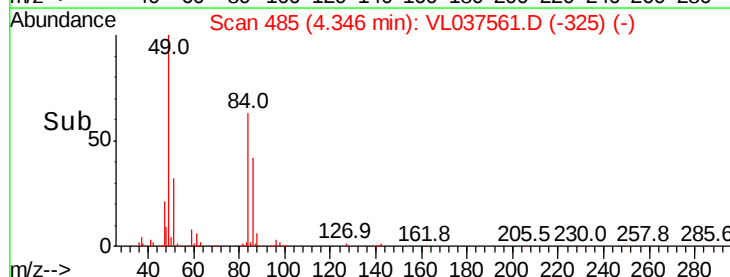
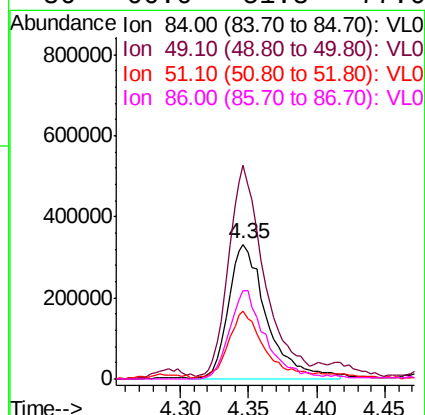
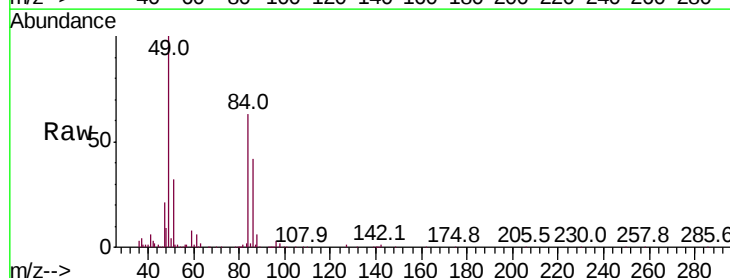
Ion Ratio Lower Upper

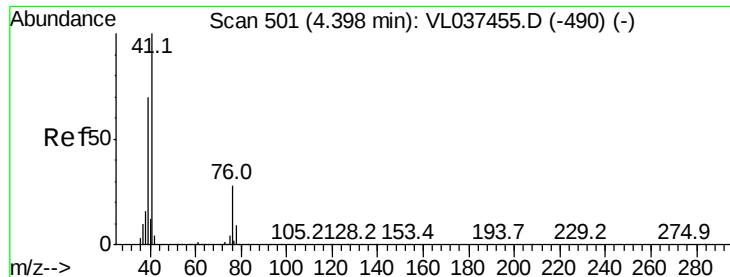
84 100

49 155.5 118.2 177.2

51 49.3 36.6 55.0

86 66.0 51.8 77.6

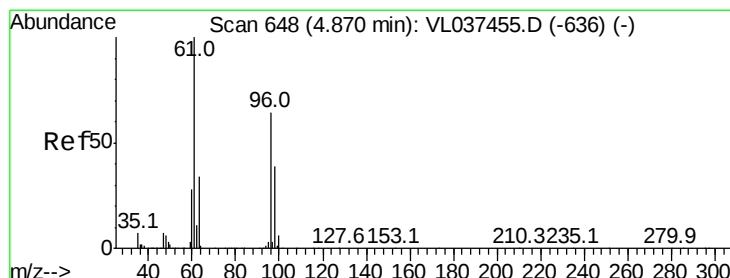
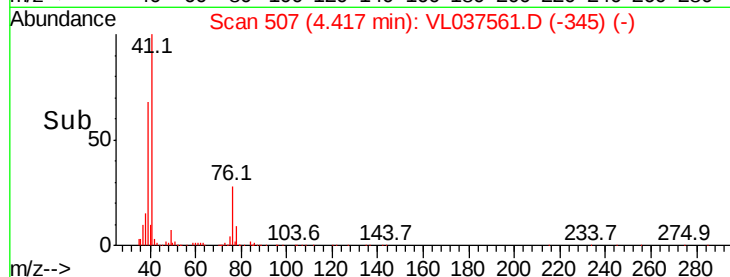
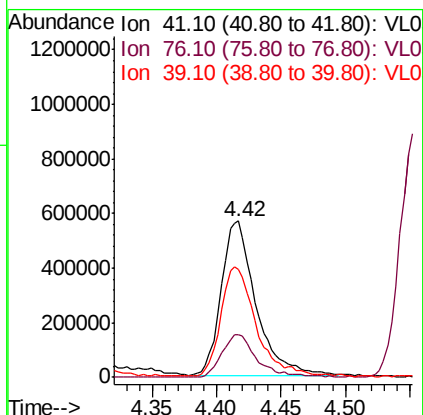
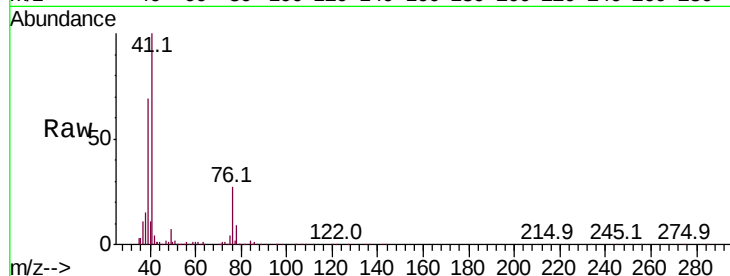




#21
Allvl Chloride
Concen: 7.038 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

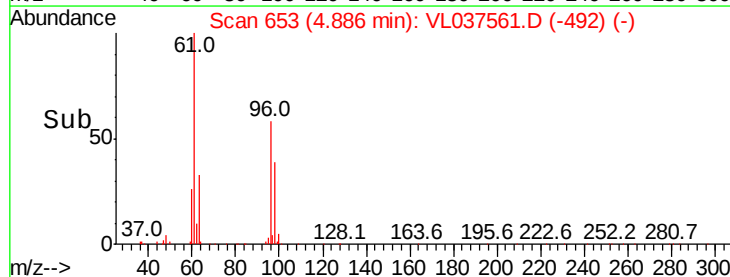
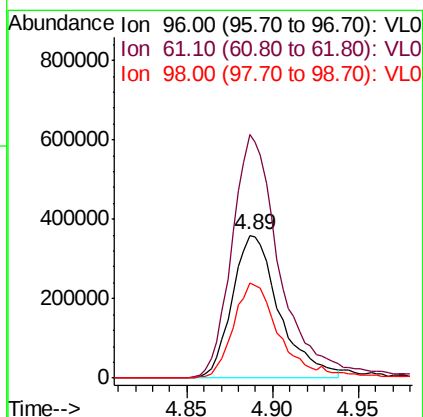
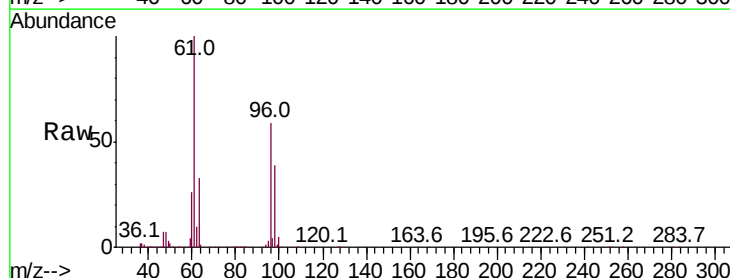
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

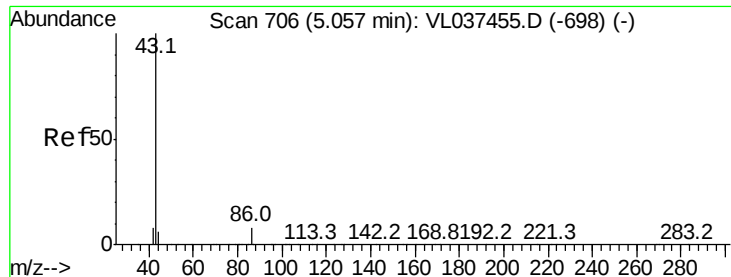
Tot Ion: 41 Resp: 1051525
Ion Ratio Lower Upper
41 100
76 28.5 21.8 32.6
39 73.4 56.8 85.2



#22
trans-1,2-Dichloroethene
Concen: 7.592 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 96 Resp: 687313
Ion Ratio Lower Upper
96 100
61 170.3 125.5 188.3
98 66.4 49.0 73.4





#23

Vinyl Acetate

Concen: 8.947 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2425754

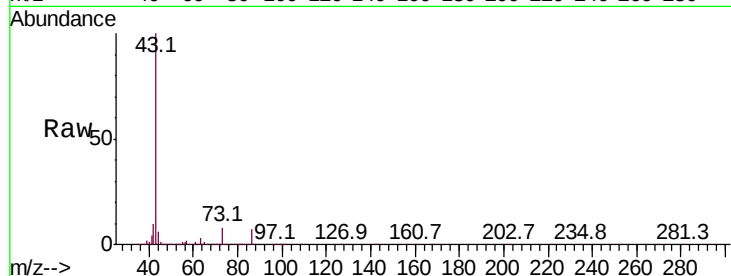
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.7	8.5
42	10.3	7.4	11.2
44	5.5	4.3	6.5

43 100

86 6.9 5.7 8.5

42 10.3 7.4 11.2

44 5.5 4.3 6.5

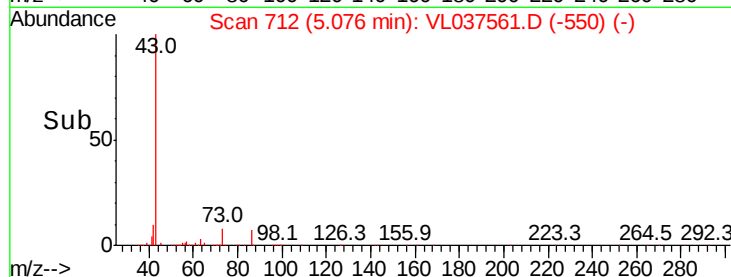


Abundance Ion 43.10 (42.80 to 43.80): VL0

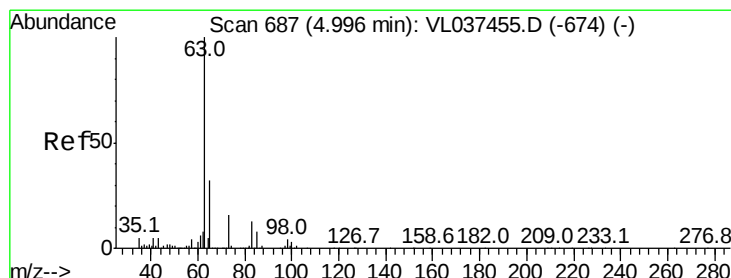
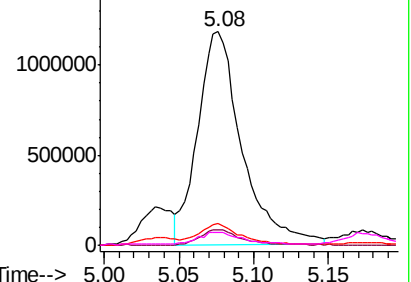
Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time--> 5.00 5.05 5.10 5.15



#24

1,1-Dichloroethane

Concen: 8.832 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

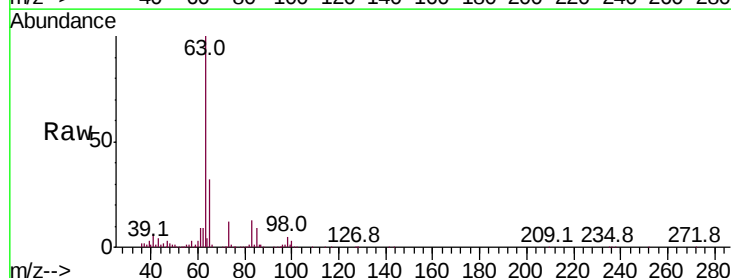
Tgt Ion: 63 Resp: 1736772

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.3
100	2.7	1.6	4.7

63 100

98 4.8 2.1 6.3

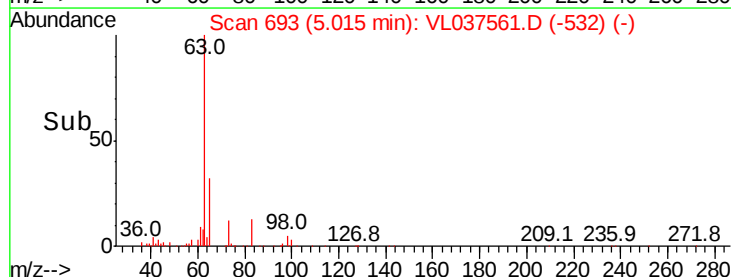
100 2.7 1.6 4.7



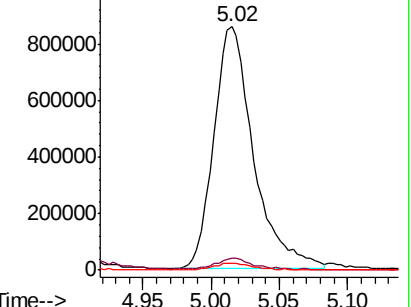
Abundance Ion 63.10 (62.80 to 63.80): VL0

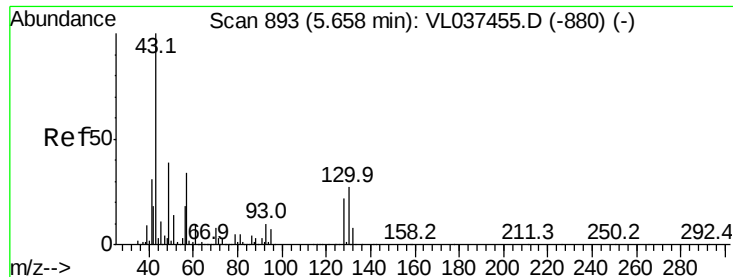
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time--> 4.95 5.00 5.05 5.10



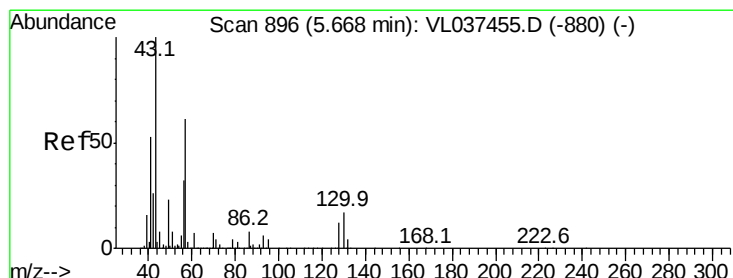
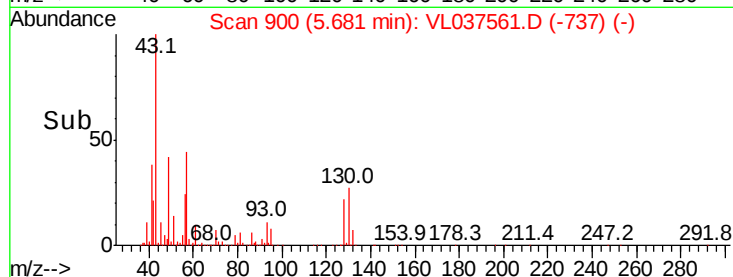
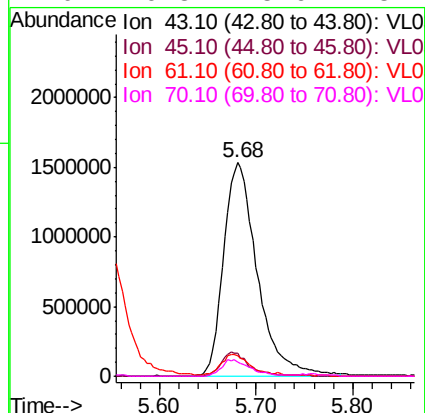
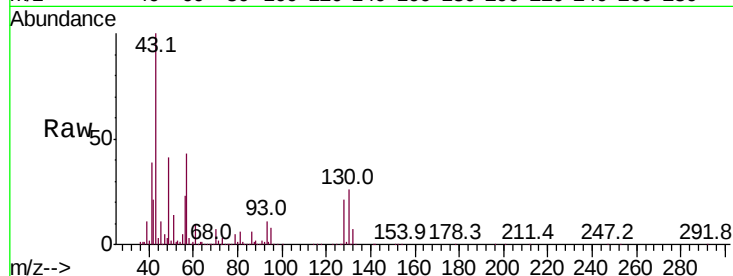


#25
Ethyl Acetate
Concen: 7.937 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3706607

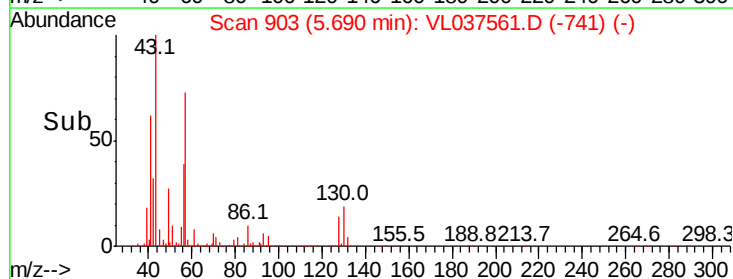
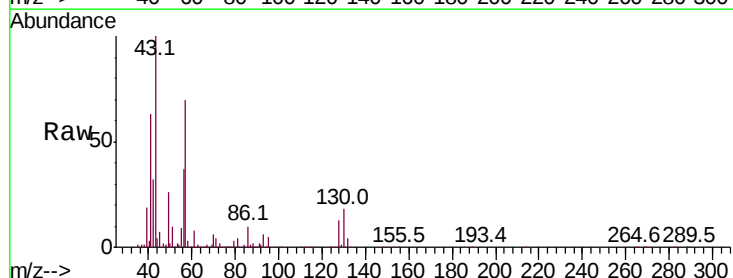
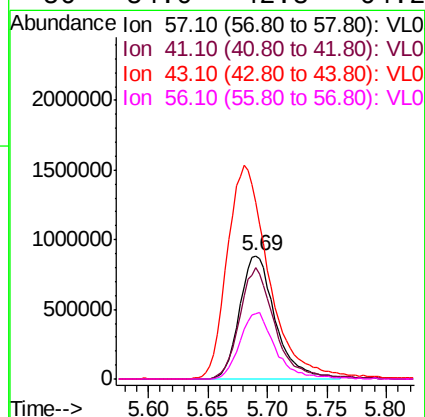
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.4	8.0	12.0
70	6.8	5.6	8.4

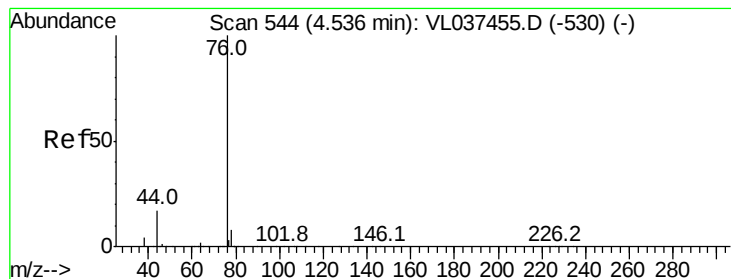


#26
Hexane
Concen: 8.040 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 57 Resp: 1835632

Ion	Ratio	Lower	Upper
57	100		
41	90.1	72.3	108.5
43	204.0	172.3	258.5
56	54.0	42.8	64.2





#27

Carbon Disulfide

Concen: 8.413 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

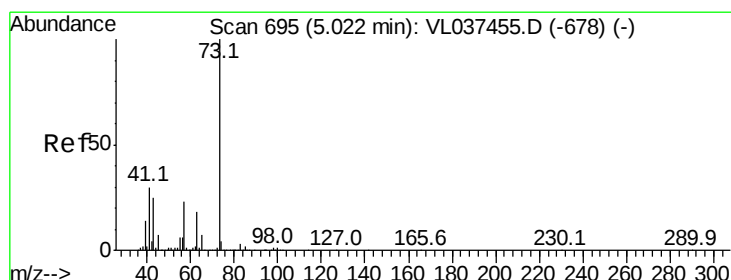
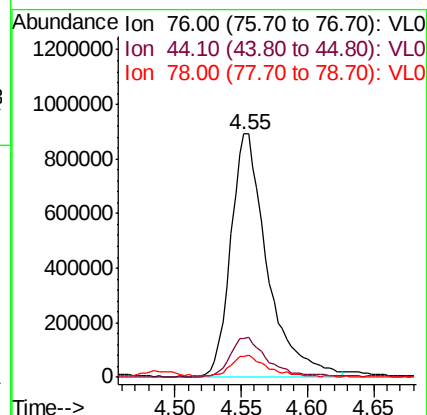
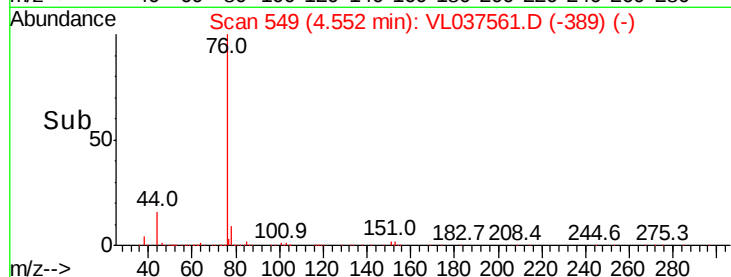
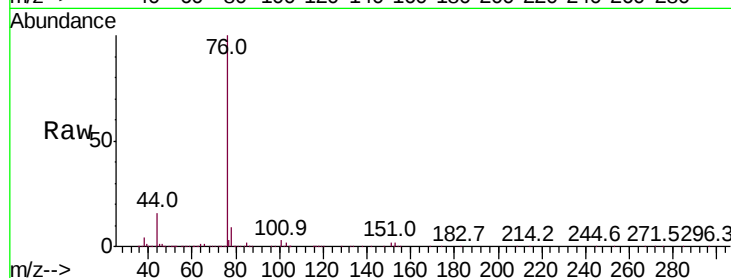
Tot Ion: 76 Resp: 1711835

Ion Ratio Lower Upper

76 100

44 17.2 13.9 20.9

78 9.7 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 7.813 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037561.D

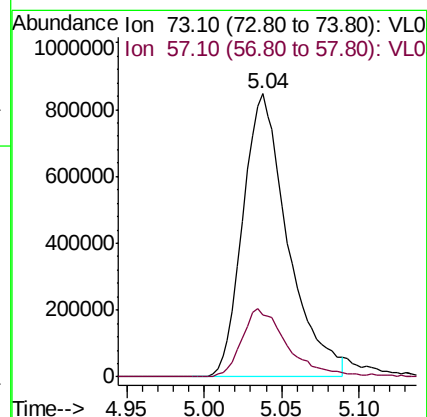
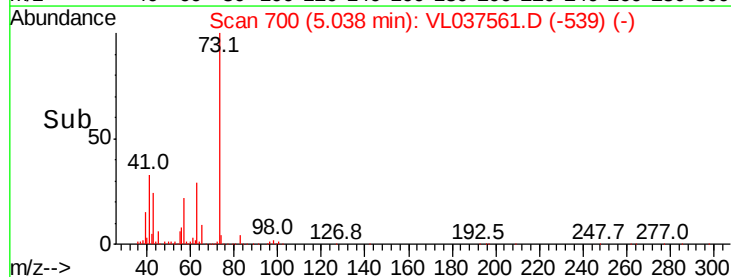
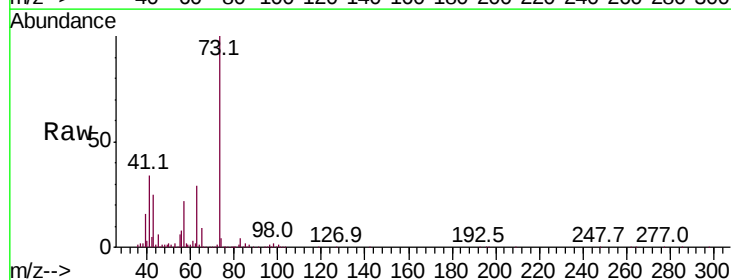
Acq: 7 Sep 2021 21:33

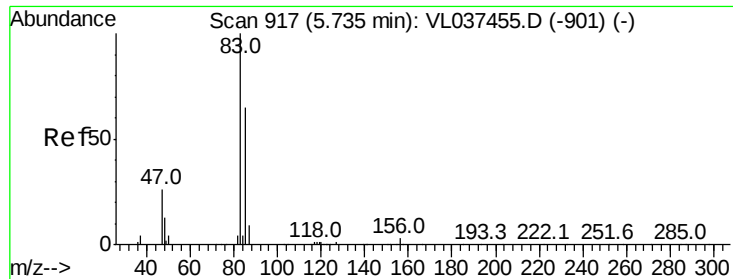
Tgt Ion: 73 Resp: 1713348

Ion Ratio Lower Upper

73 100

57 24.9 19.4 29.2





#29

Chloroform

Concen: 8.149 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

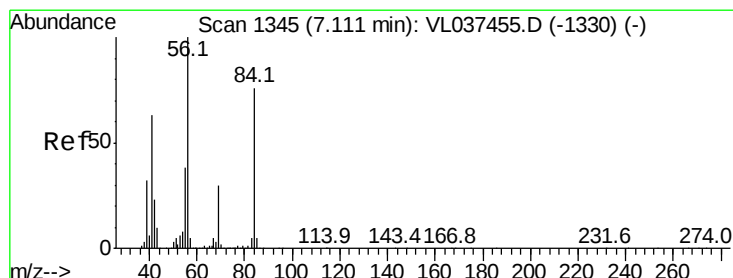
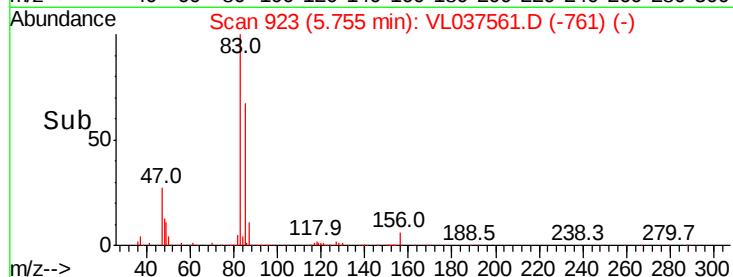
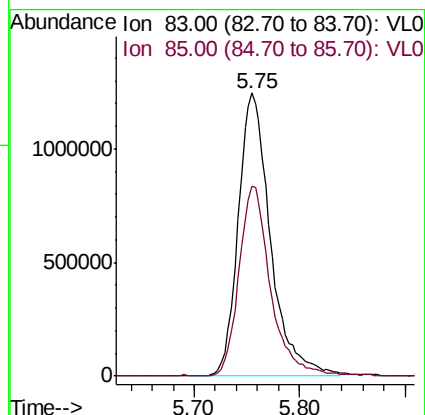
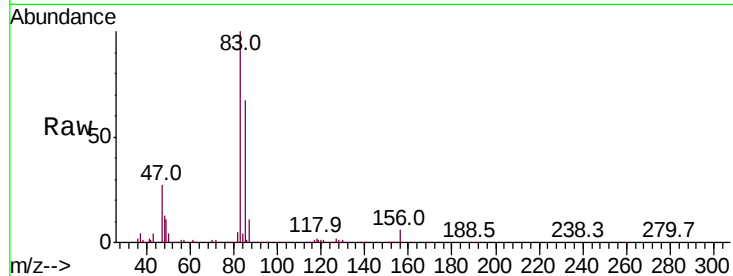
VSTDCCC010EC

Tot Ion: 83 Resp: 2636629

Ion Ratio Lower Upper

83 100

85 66.8 52.3 78.5



#30

Cyclohexane

Concen: 8.181 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

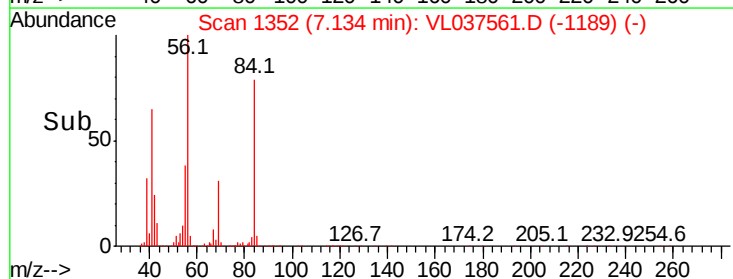
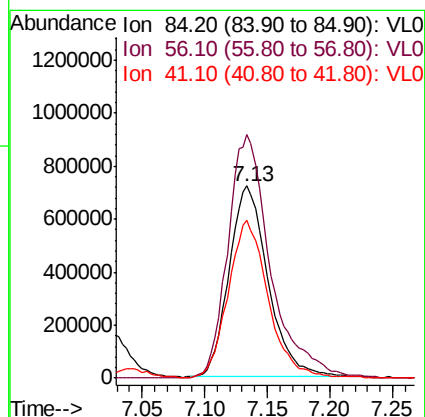
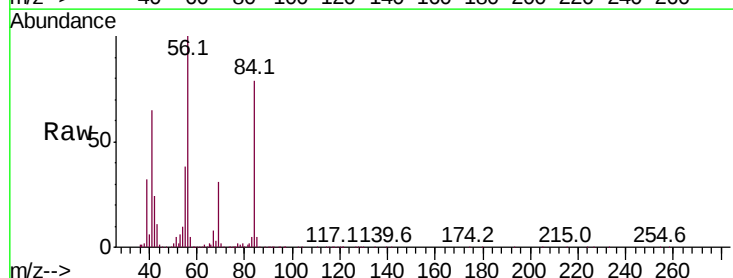
Tgt Ion: 84 Resp: 1556285

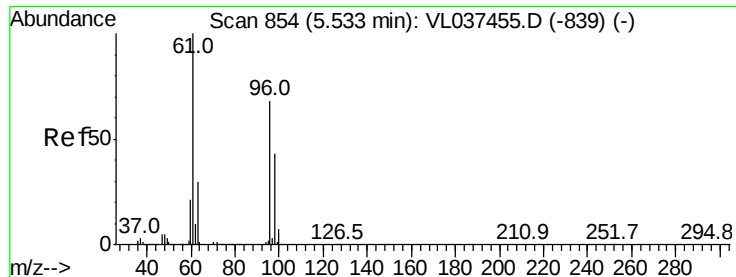
Ion Ratio Lower Upper

84 100

56 140.2 110.6 165.8

41 85.6 67.0 100.6



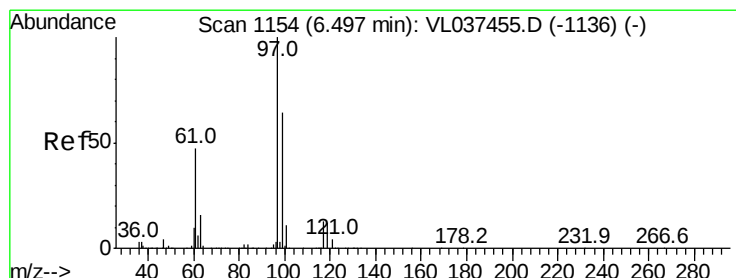
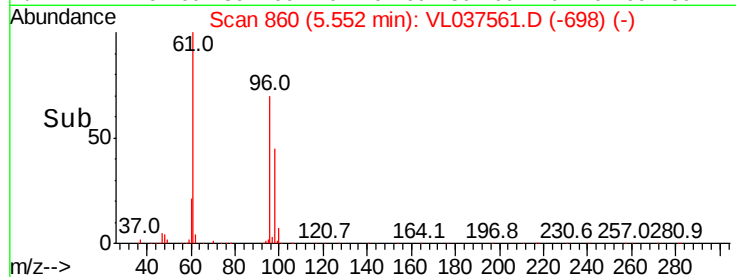
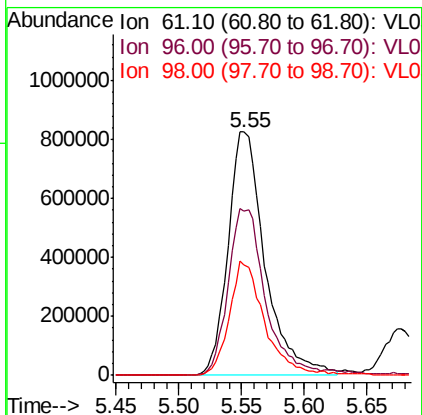
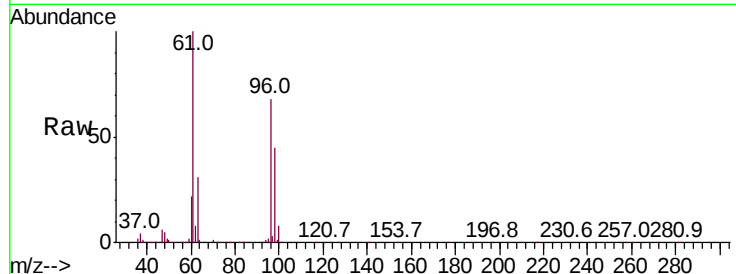


#31

cis-1,2-Dichloroethene
 Concen: 8.181 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

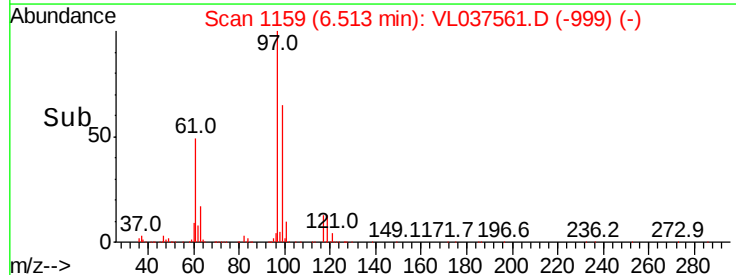
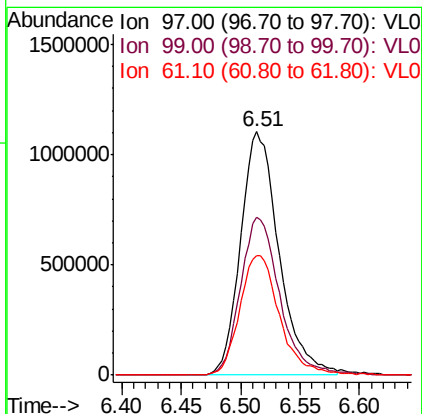
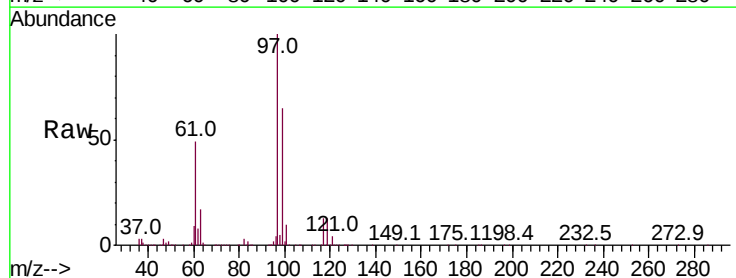
Tot Ion: 61 Resp: 1690583
 Ion Ratio Lower Upper
 61 100
 96 67.5 54.8 82.2
 98 45.4 34.2 51.2

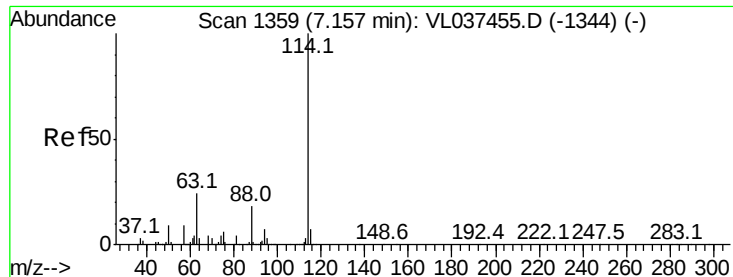


#32

1,1,1-Trichloroethane
 Concen: 7.784 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Tgt Ion: 97 Resp: 2474570
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.8 77.6
 61 51.3 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

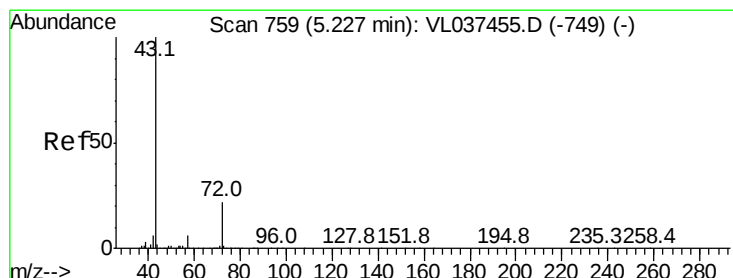
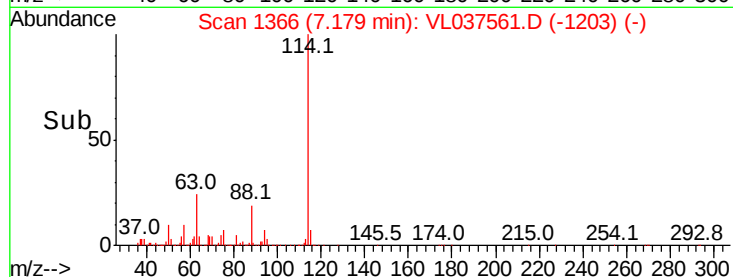
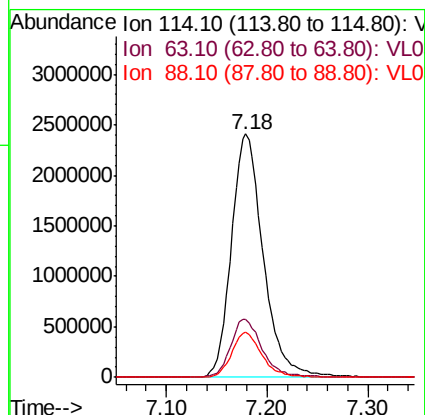
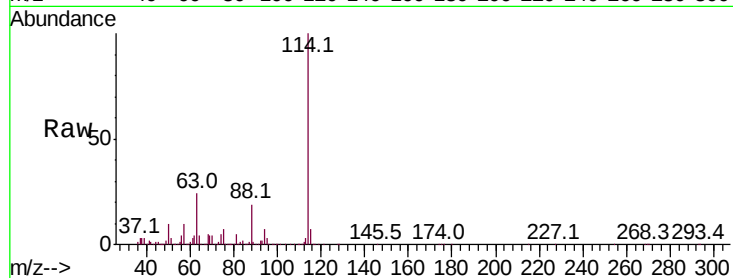
Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:114 Resp: 5289956

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.3	28.9
88	17.9	14.2	21.4



#34

2-Butanone

Concen: 7.792 ppbv

RT: 5.25 min Scan# 765

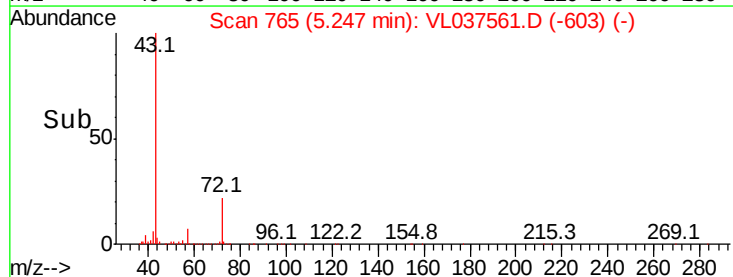
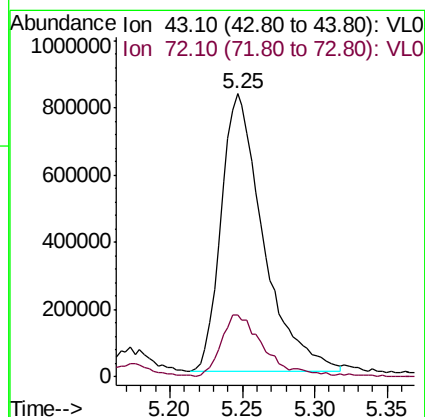
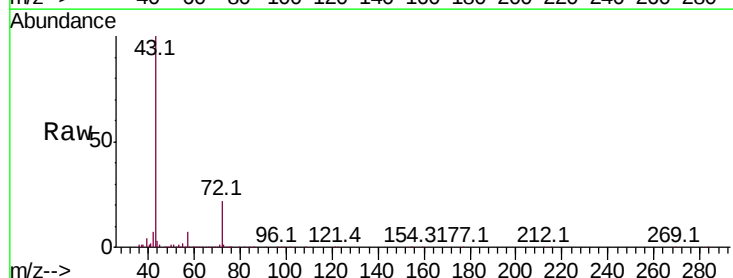
Delta R.T. 0.02 min

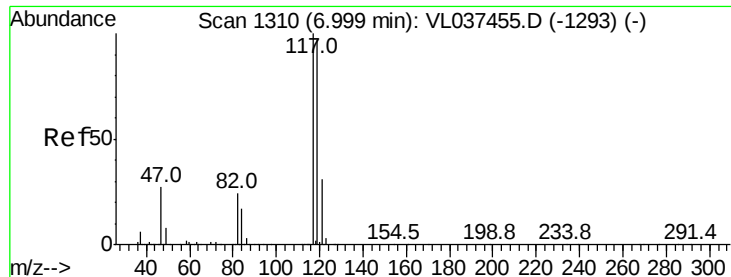
Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion: 43 Resp: 1683148

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.4	26.0

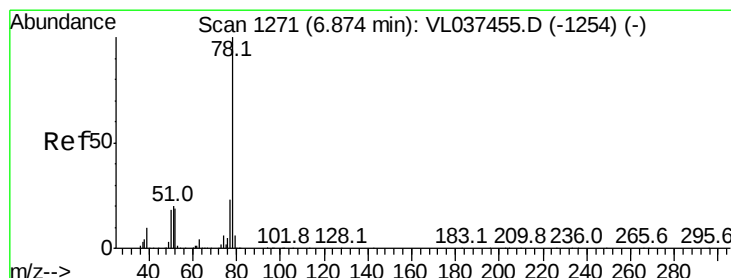
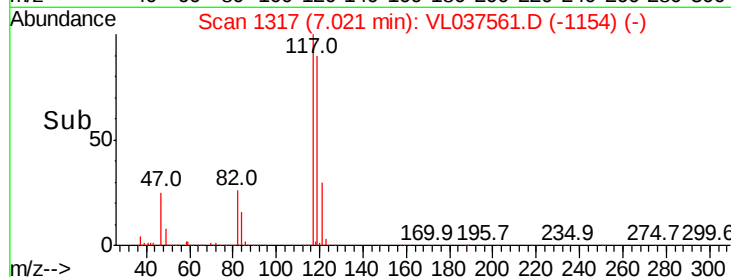
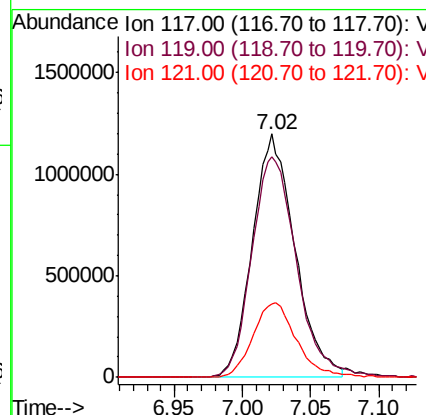
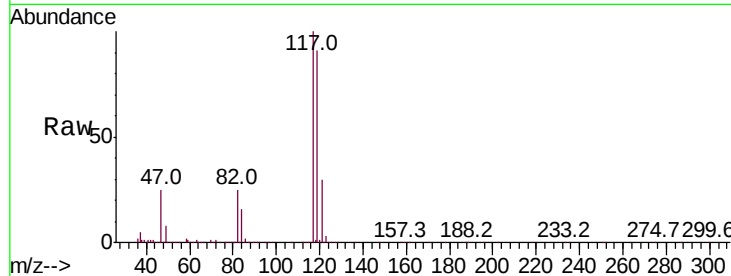




#35
Carbon Tetrachloride
Concen: 8.259 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

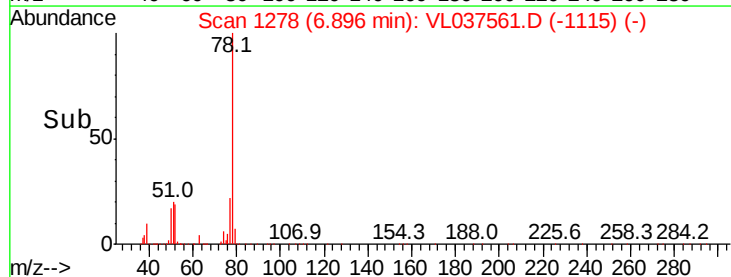
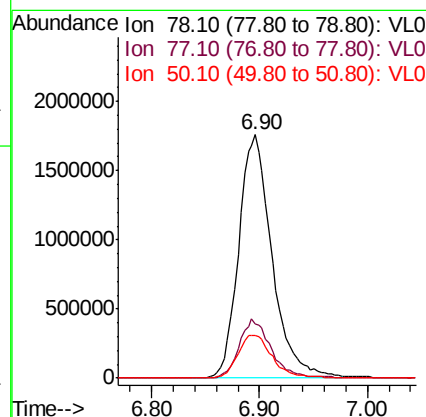
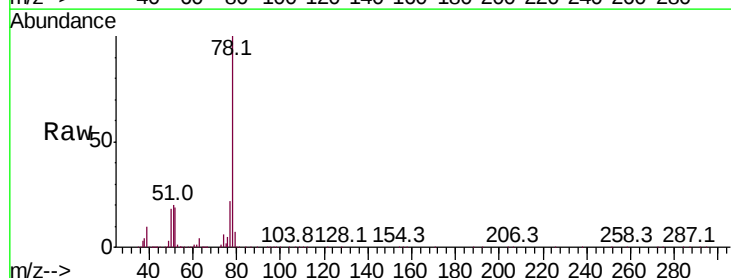
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

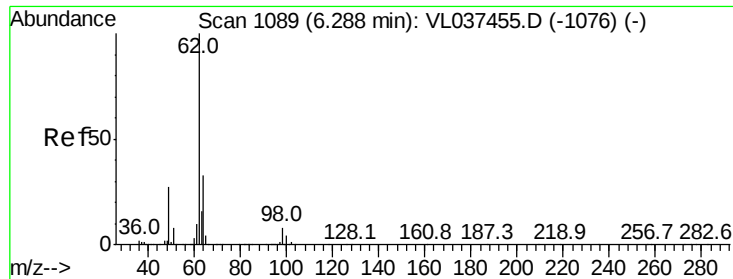
Tot Ion:117 Resp: 2582119
Ion Ratio Lower Upper
117 100
119 90.6 77.3 115.9
121 30.3 25.2 37.8



#36
Benzene
Concen: 8.511 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 78 Resp: 3784797
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.4
50 17.5 14.6 21.8





#37

1,2-Dichloroethane

Concen: 8.290 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.02 min

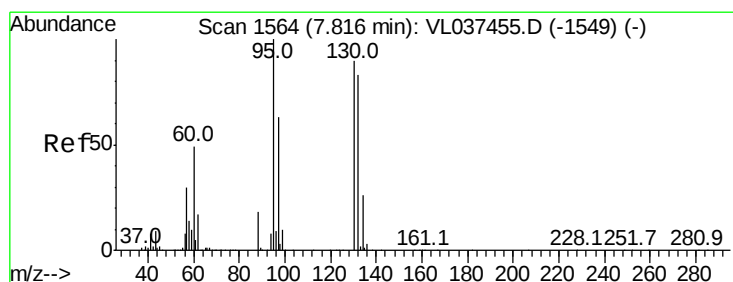
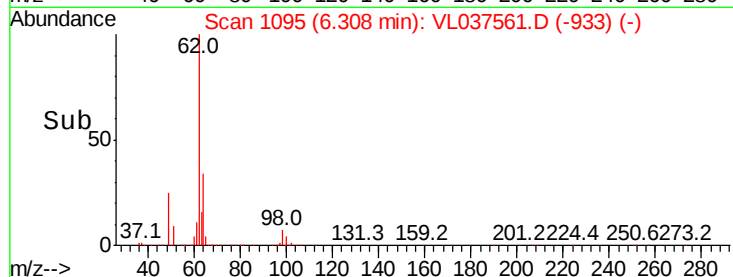
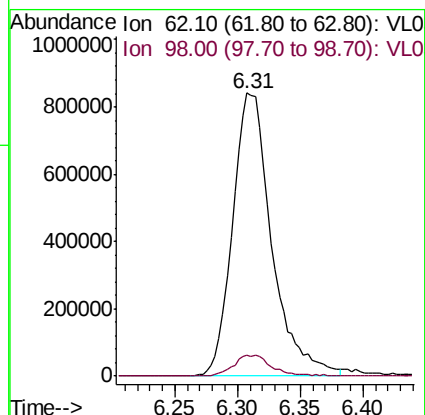
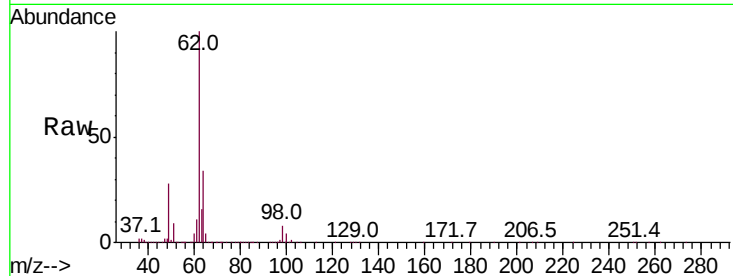
Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 62 Resp: 1825984

Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.0	9.0



#38

Trichloroethene

Concen: 8.223 ppbv

RT: 7.84 min Scan# 1571

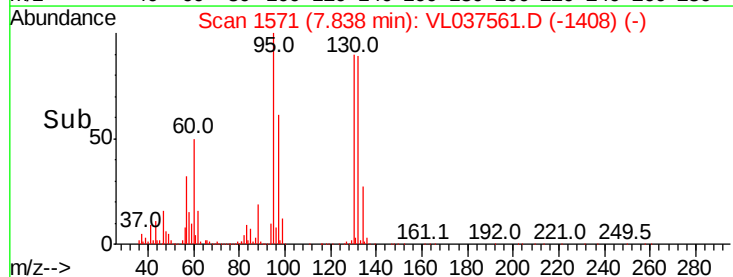
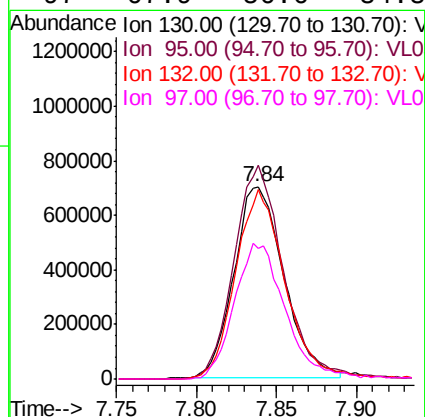
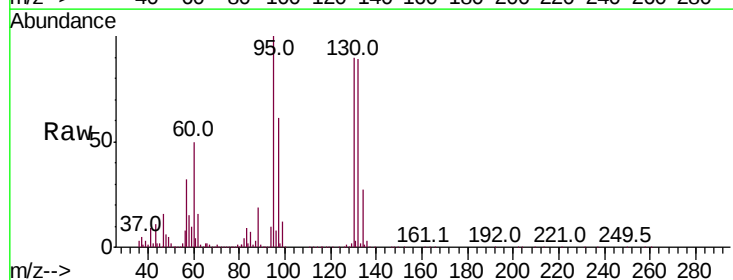
Delta R.T. 0.02 min

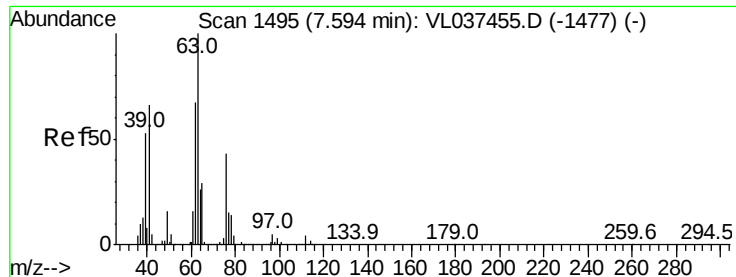
Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion: 130 Resp: 1500339

Ion	Ratio	Lower	Upper
130	100		
95	111.0	89.2	133.8
132	98.7	74.0	111.0
97	67.9	56.6	84.8





#39

1,2-Dichloropropane

Concen: 8.468 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

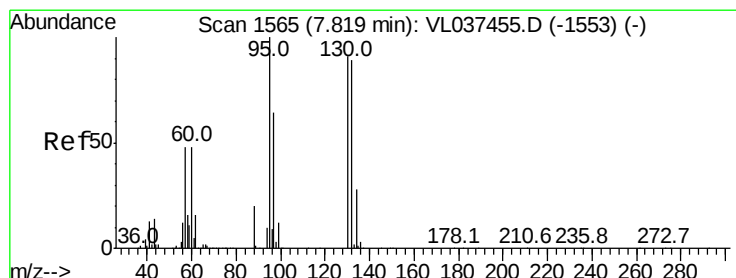
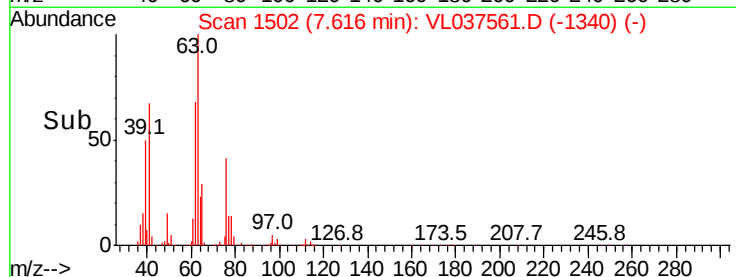
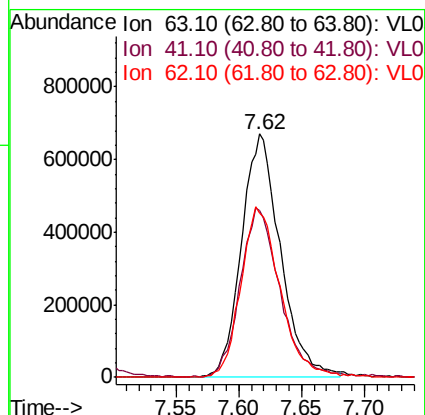
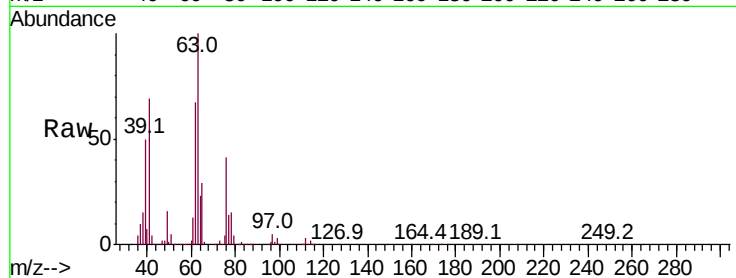
Tot Ion: 63 Resp: 1447029

Ion Ratio Lower Upper

63 100

41 68.5 52.4 78.6

62 67.5 53.6 80.4



#40

1,4-Dioxane

Concen: 8.021 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion: 88 Resp: 335795

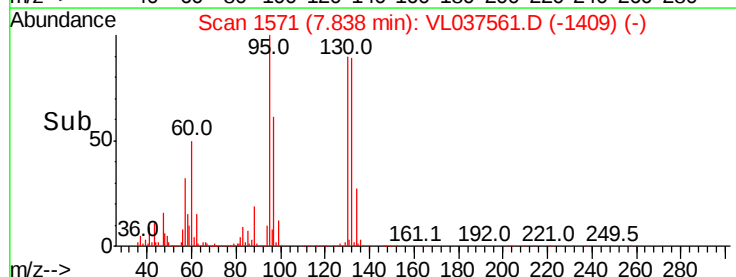
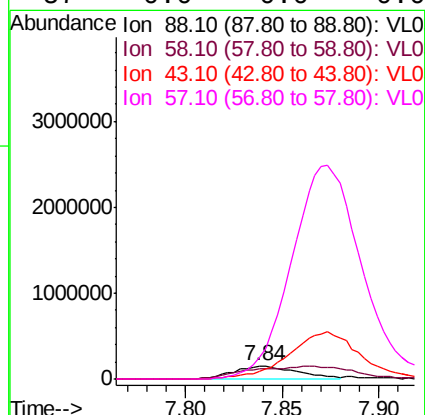
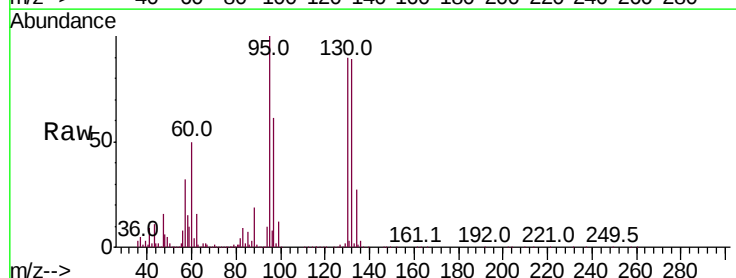
Ion Ratio Lower Upper

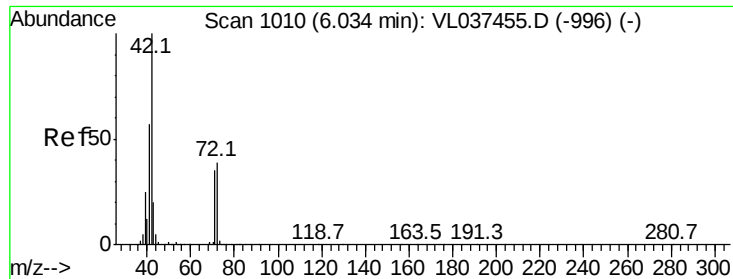
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

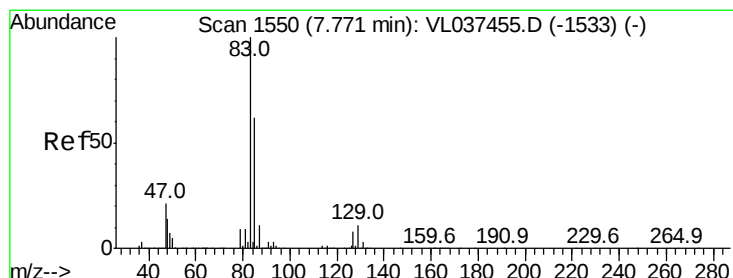
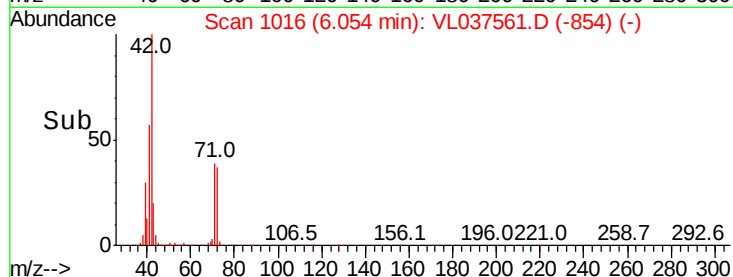
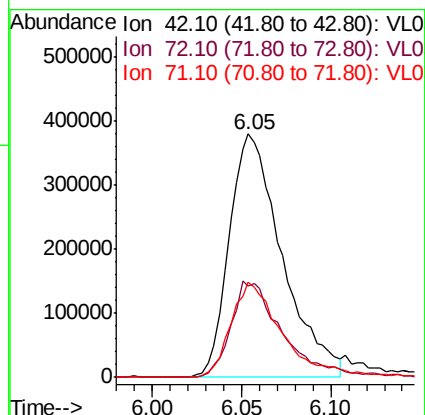
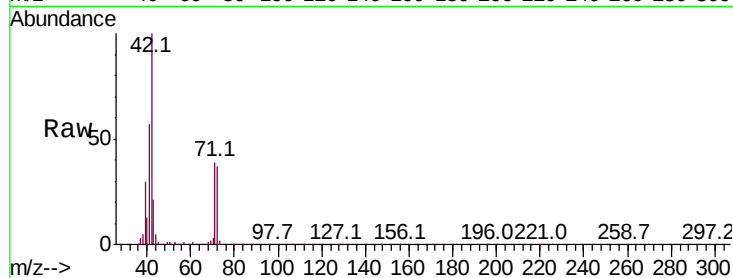




#41
Tetrahydrofuran
Concen: 7.431 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

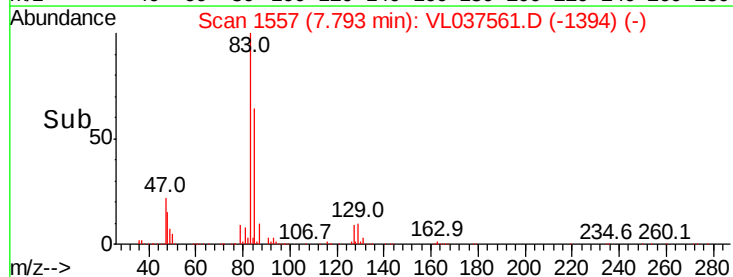
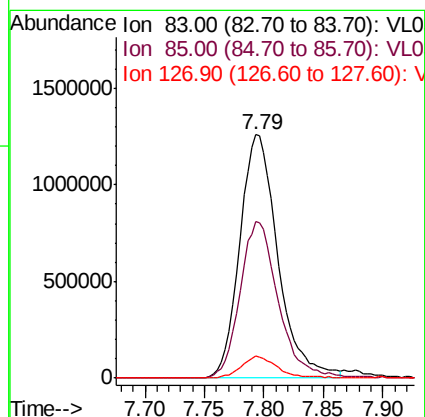
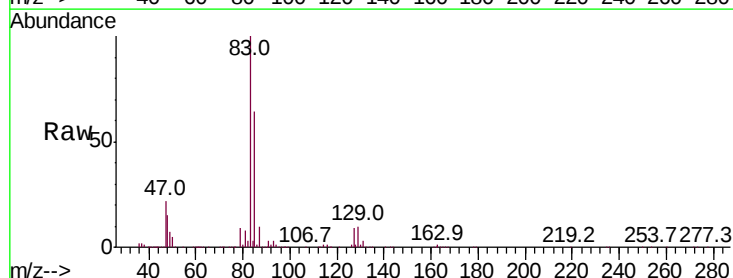
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

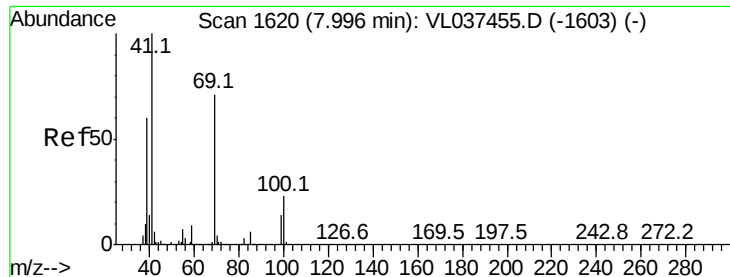
Tot Ion: 42 Resp: 773320
Ion Ratio Lower Upper
42 100
72 39.7 32.2 48.4
71 39.3 30.5 45.7



#42
Bromodichloromethane
Concen: 8.698 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 83 Resp: 2801702
Ion Ratio Lower Upper
83 100
85 64.2 49.5 74.3
127 9.0 6.3 9.5

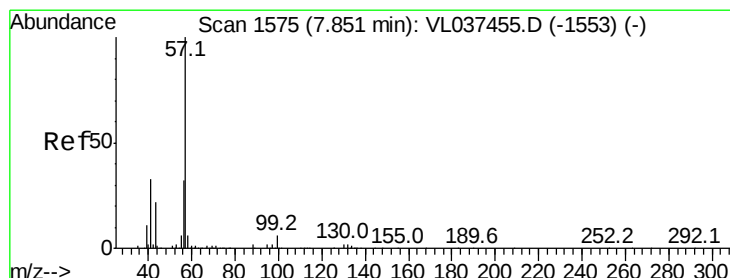
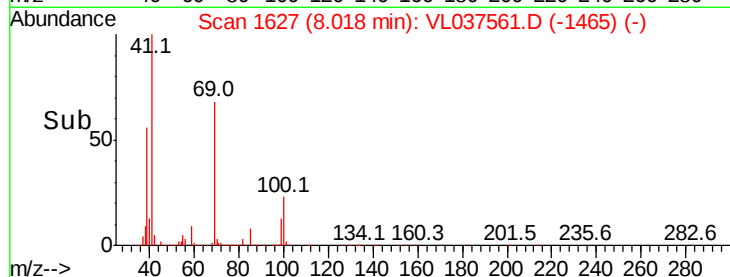
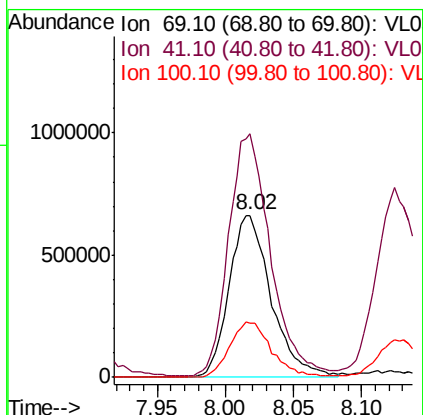
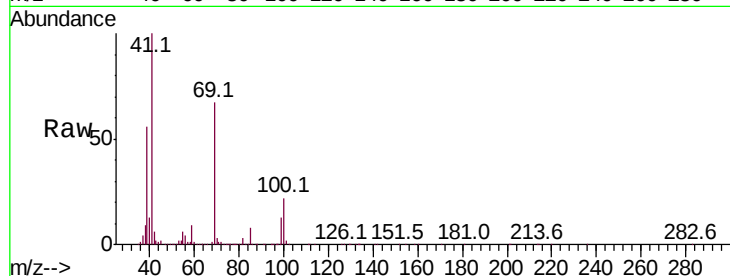




#43
Methvl Methacrylate
Concen: 9.117 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

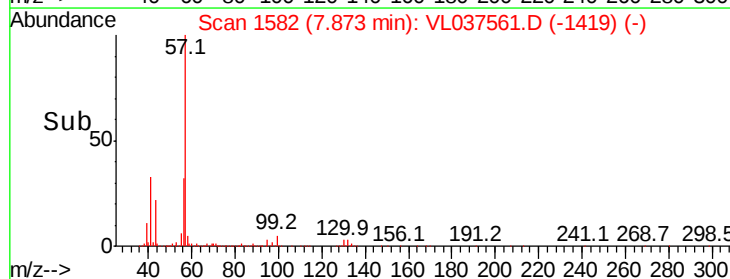
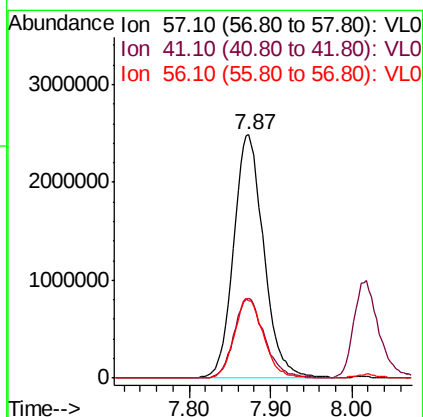
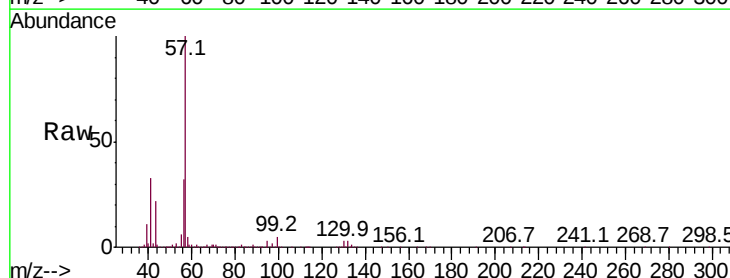
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

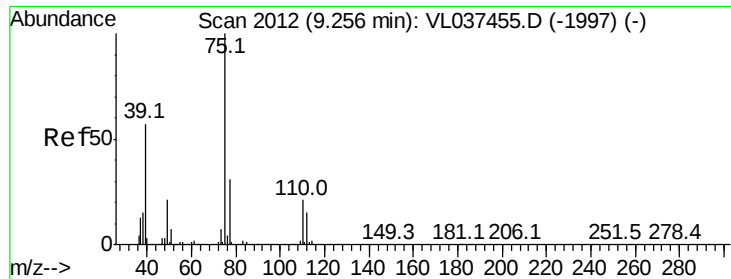
Tot Ion: 69 Resp: 1413034
Ion Ratio Lower Upper
69 100
41 151.3 118.6 178.0
100 34.8 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 8.551 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 57 Resp: 6399427
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 7.601 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

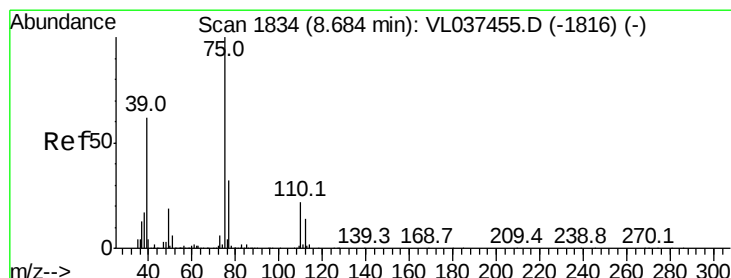
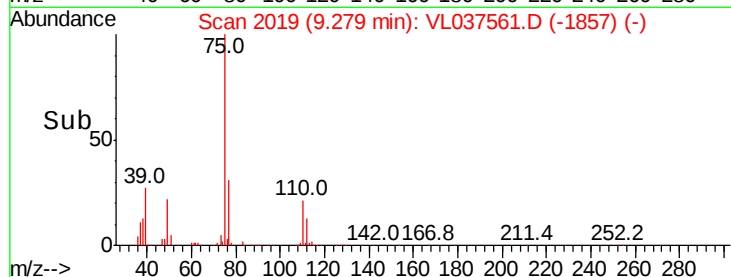
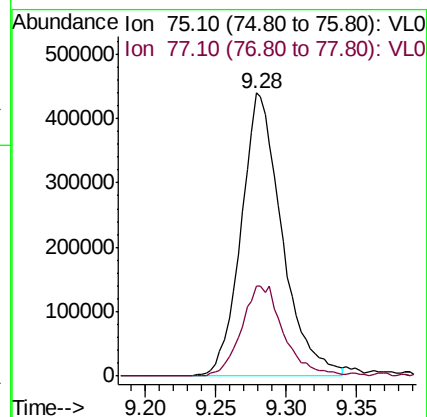
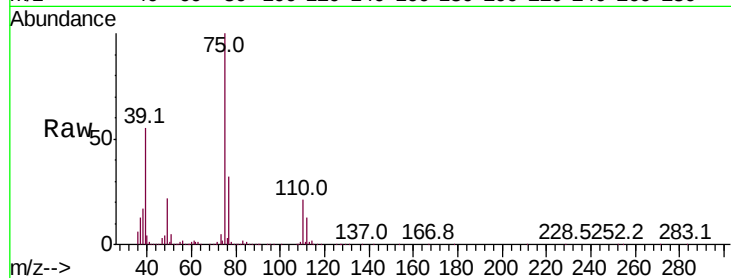
VSTDCCC010EC

Tot Ion: 75 Resp: 886854

Ion Ratio Lower Upper

75 100

77 31.9 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 8.059 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

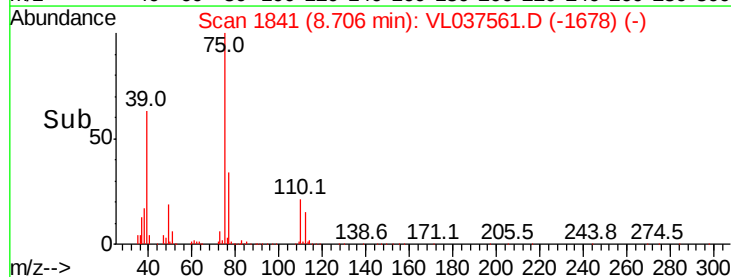
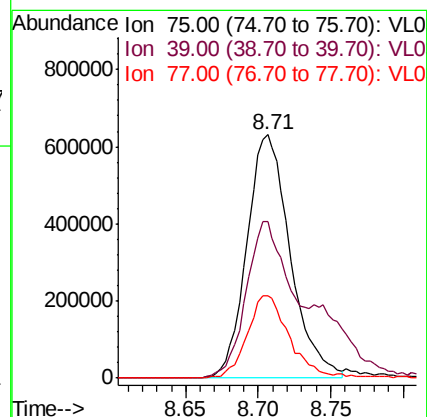
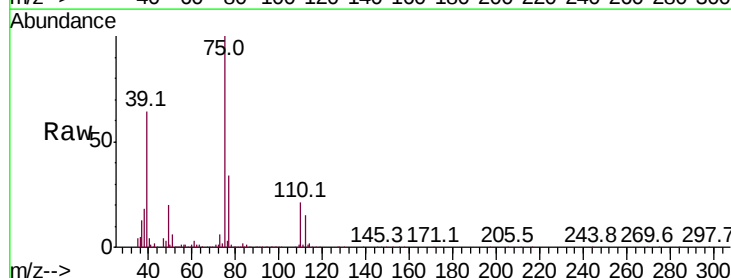
Tgt Ion: 75 Resp: 1311649

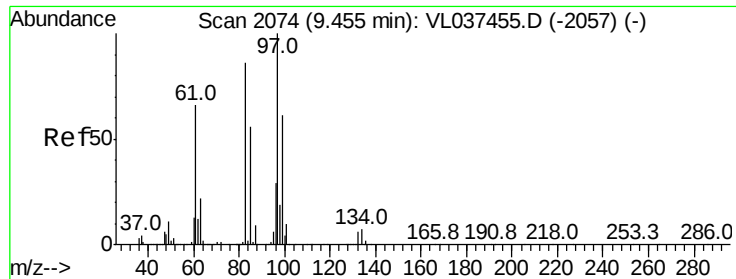
Ion Ratio Lower Upper

75 100

39 64.4 49.7 74.5

77 33.7 25.4 38.0

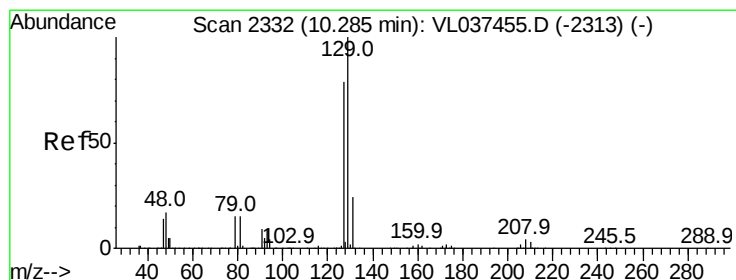
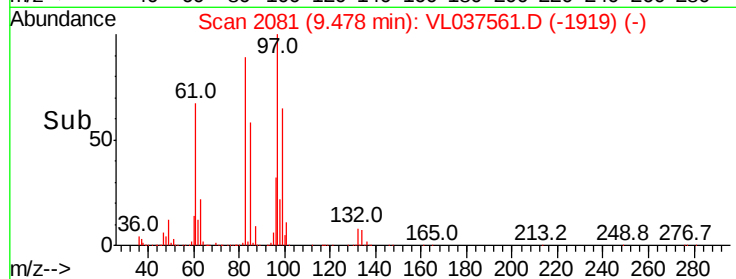
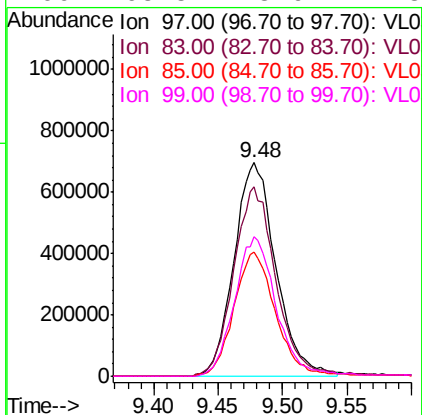
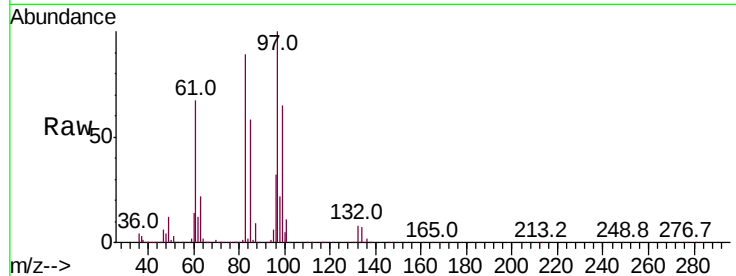




#47
 1,1,2-Trichloroethane
 Concen: 8.475 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

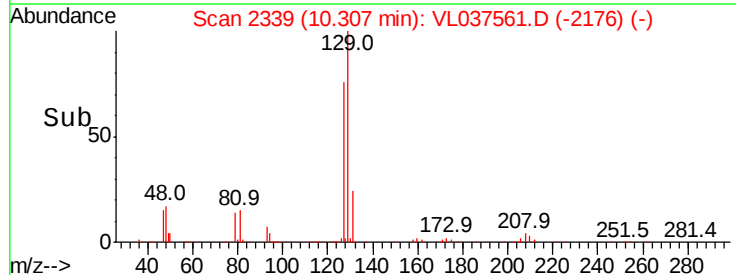
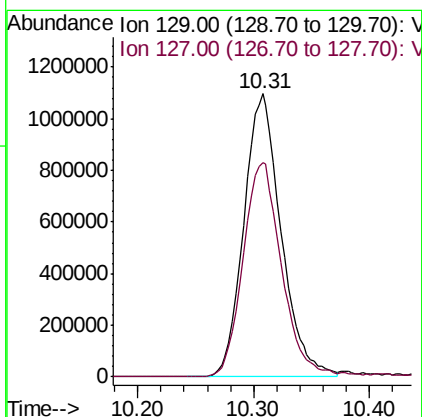
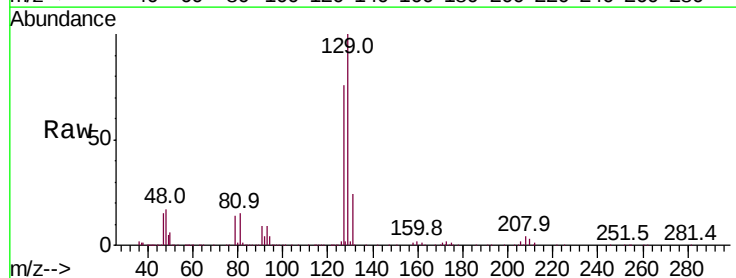
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

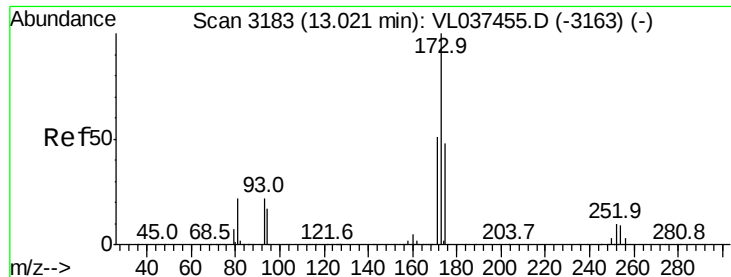
Tot Ion: 97 Resp: 1564767
 Ion Ratio Lower Upper
 97 100
 83 88.8 68.7 103.1
 85 58.2 44.7 67.1
 99 65.5 48.6 72.8



#48
 Dibromochloromethane
 Concen: 9.237 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Tgt Ion: 129 Resp: 2454334
 Ion Ratio Lower Upper
 129 100
 127 79.5 40.0 120.0





#49

Bromoform

Concen: 9.873 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

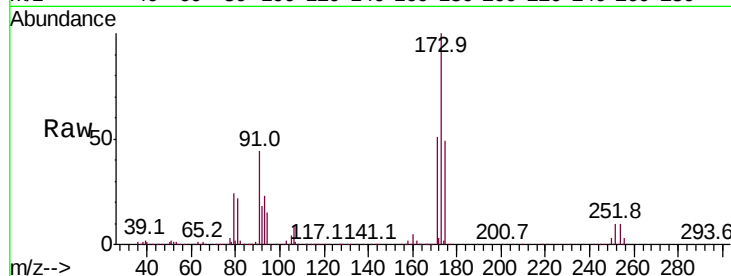
Tot Ion:173 Resp: 2067755

Ion Ratio Lower Upper

173 100

175 49.5 41.9 62.9

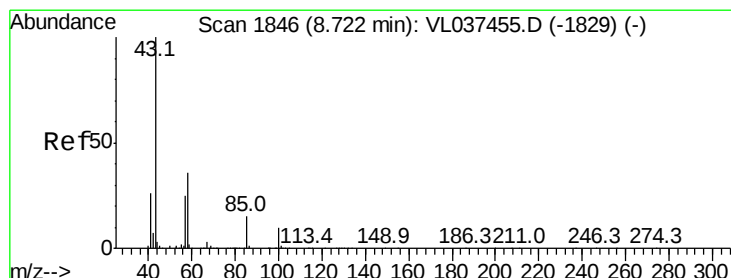
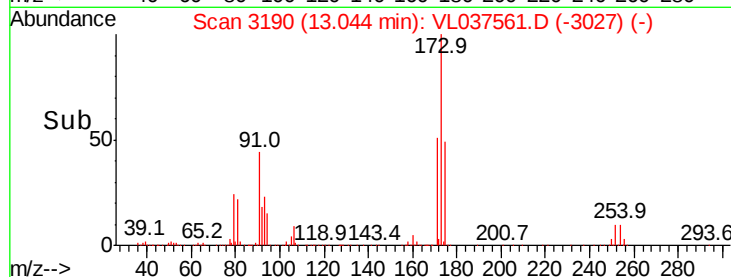
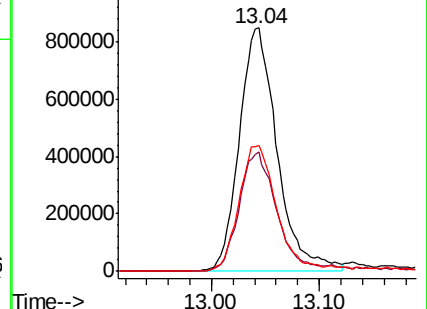
171 52.7 44.2 66.4



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: 8.927 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037561.D

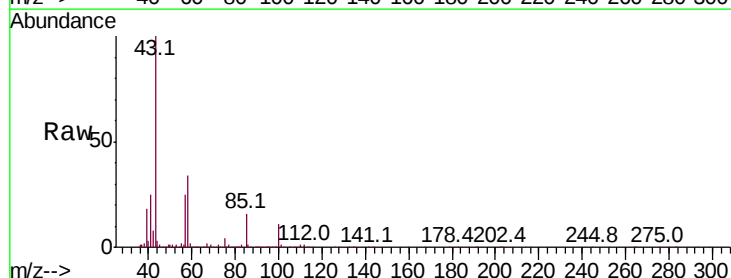
Acq: 7 Sep 2021 21:33

Tgt Ion: 43 Resp: 2515742

Ion Ratio Lower Upper

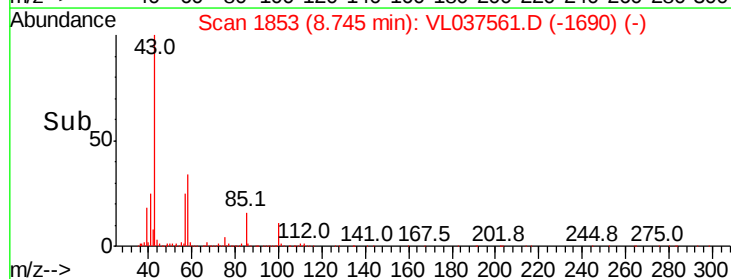
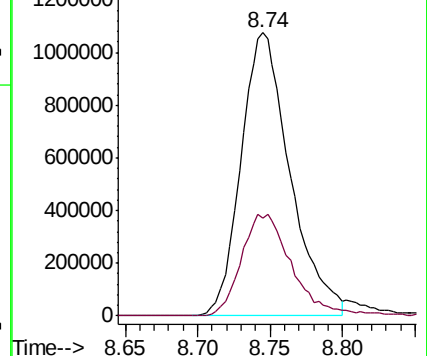
43 100

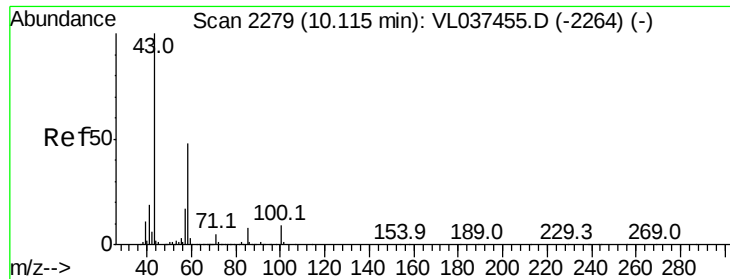
58 37.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.440 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

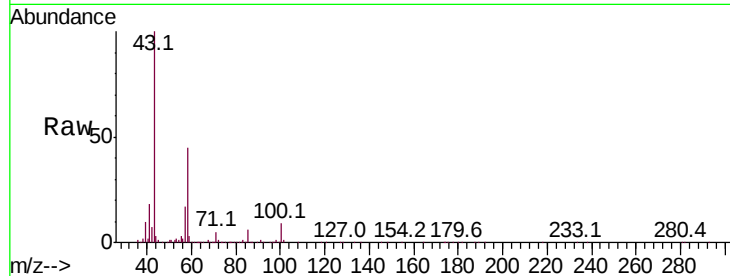
Tot Ion: 43 Resp: 1353314

Ion Ratio Lower Upper

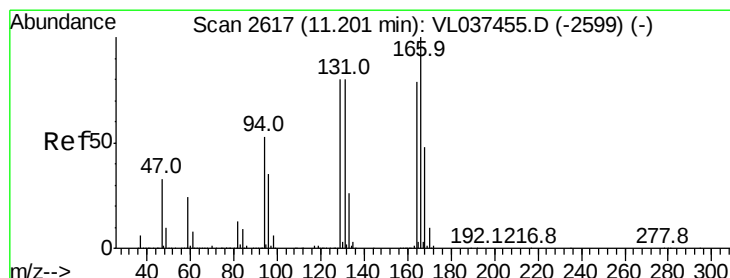
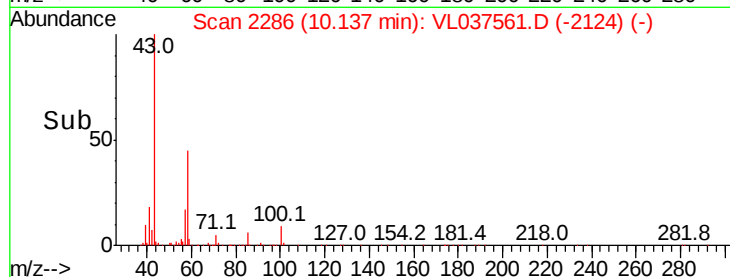
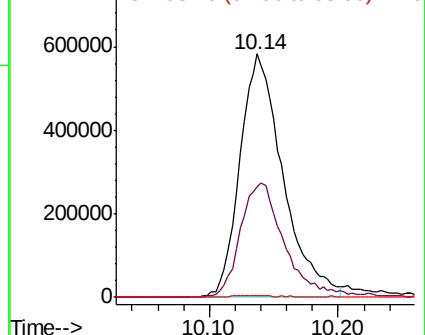
43 100

58 49.0 41.0 61.6

98 0.9 0.3 0.5#



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



#52

Tetrachloroethene

Concen: 7.777 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion: 164 Resp: 1417137

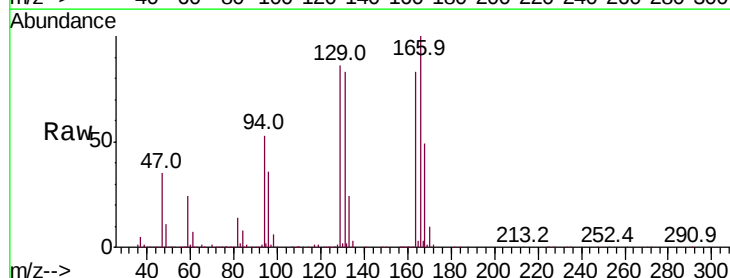
Ion Ratio Lower Upper

164 100

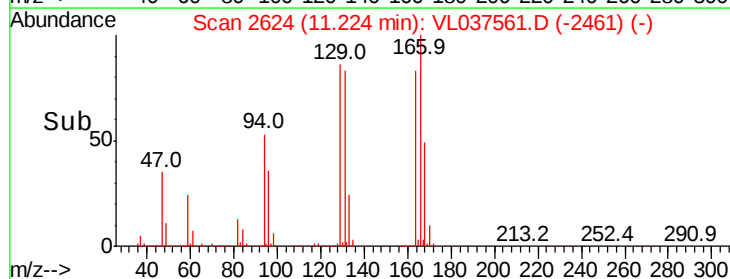
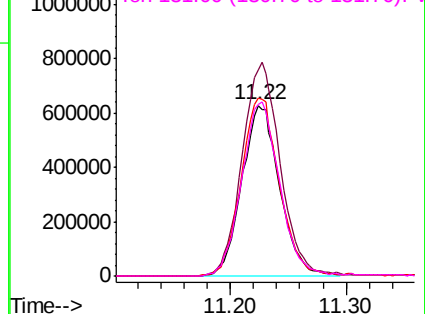
166 120.8 100.7 151.1

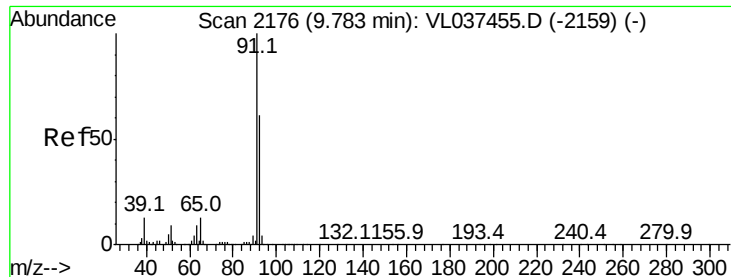
129 104.1 80.9 121.3

131 100.4 80.2 120.4



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





#53

Toluene

Concen: 8.819 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

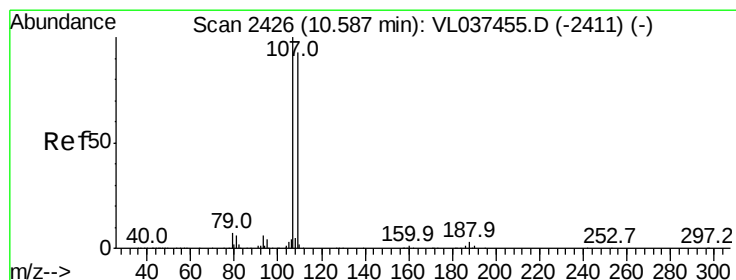
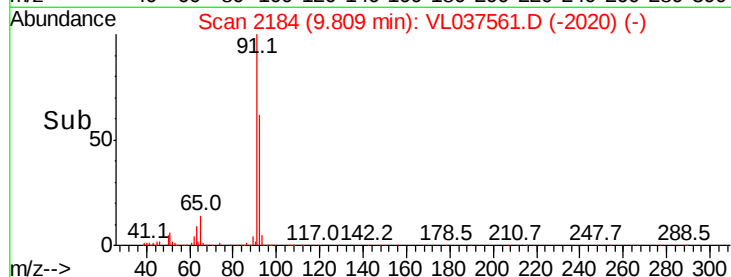
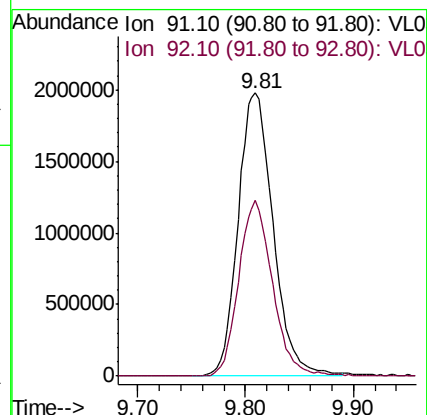
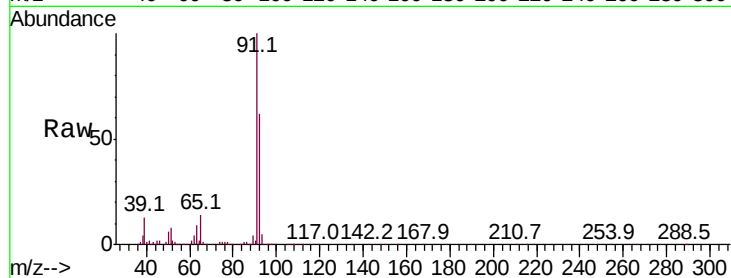
VSTDCCC010EC

Tot Ion: 91 Resp: 4478109

Ion Ratio Lower Upper

91 100

92 60.2 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.552 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.03 min

Lab File: VL037561.D

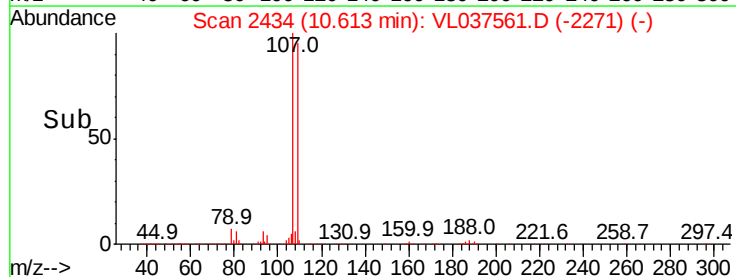
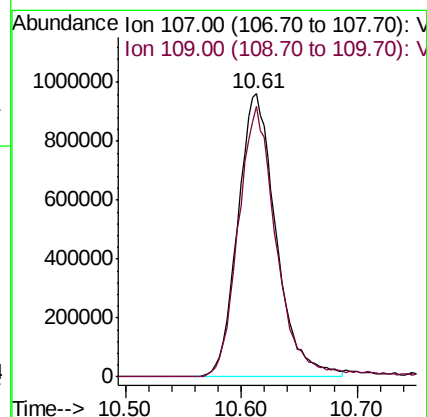
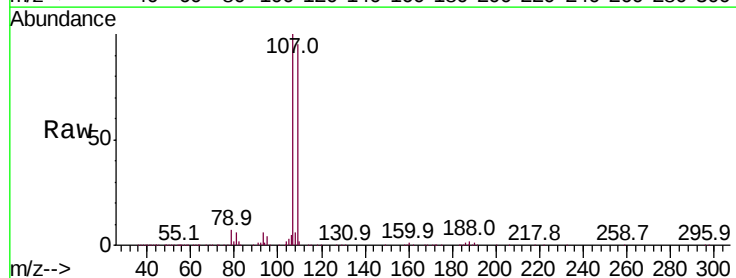
Acq: 7 Sep 2021 21:33

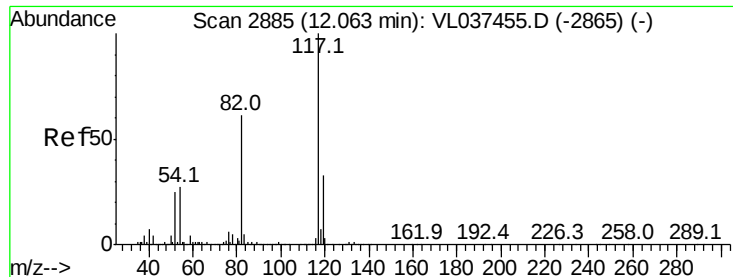
Tgt Ion: 107 Resp: 2204359

Ion Ratio Lower Upper

107 100

109 95.4 74.2 111.4

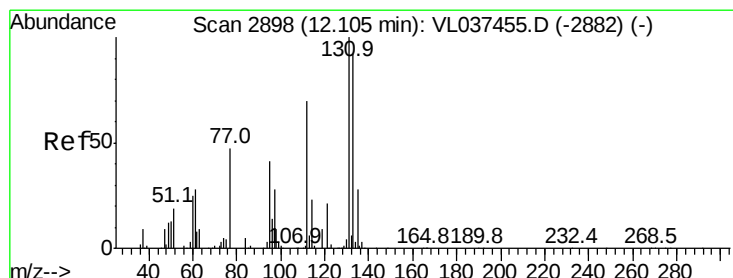
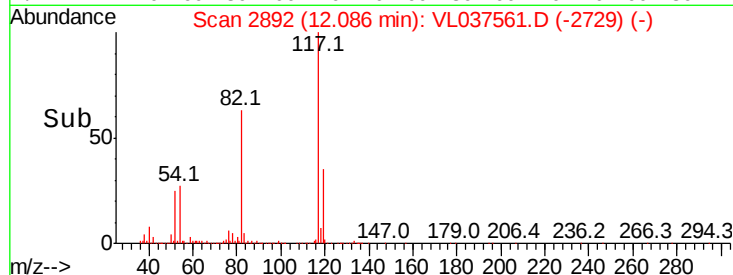
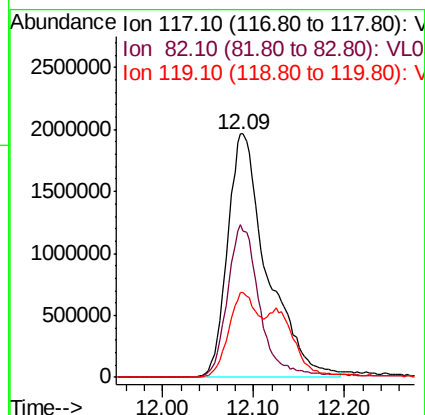
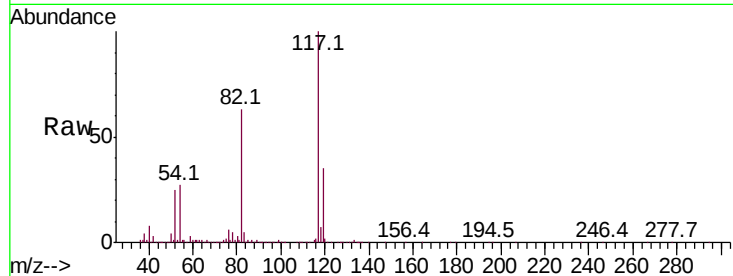




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

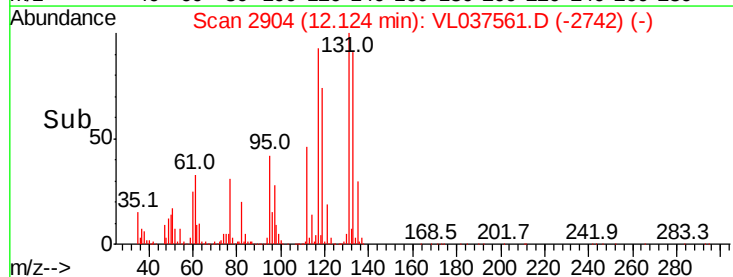
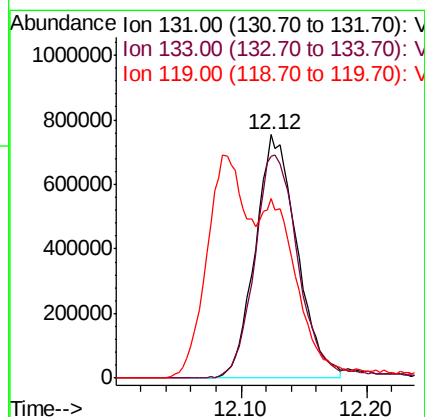
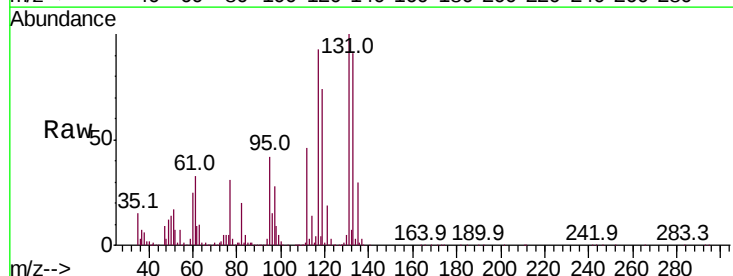
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

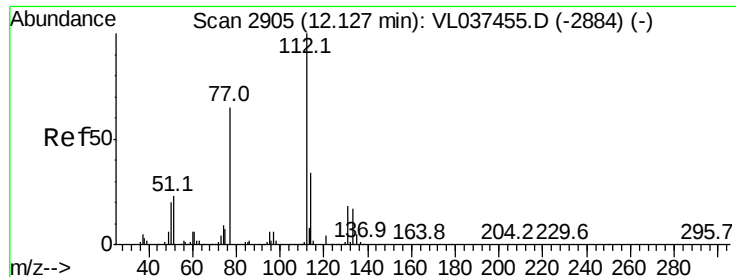
Tot Ion:117 Resp: 5933161
Ion Ratio Lower Upper
117 100
82 52.7 52.9 79.3#
119 47.3 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.043 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion:131 Resp: 1741328
Ion Ratio Lower Upper
131 100
133 99.9 78.7 118.1
119 163.5 56.6 85.0#





#57

Chlorobenzene

Concen: 6.675 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

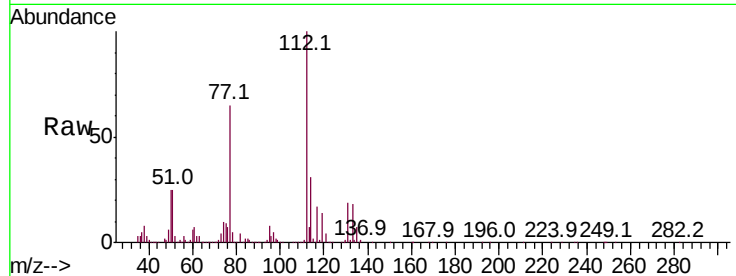
Tot Ion:112 Resp: 3286379

Ion Ratio Lower Upper

112 100

77 63.6 51.6 77.4

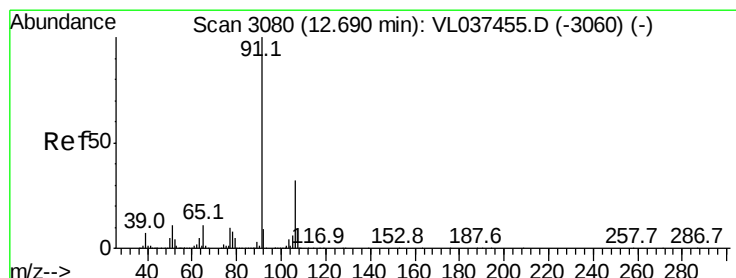
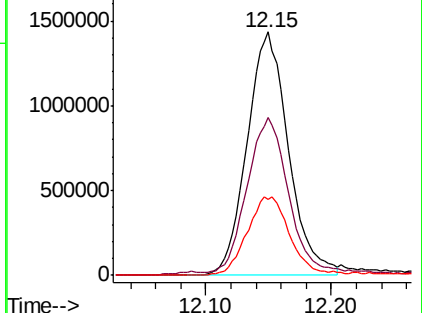
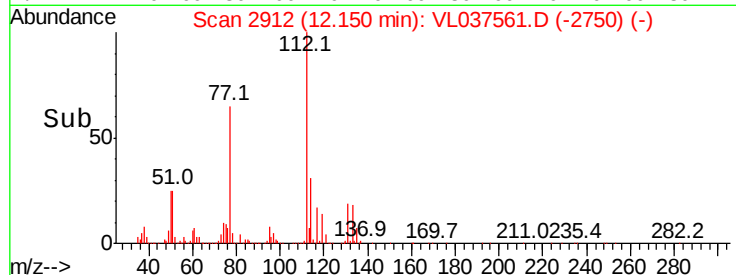
114 31.2 30.7 37.5



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: 6.951 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VL037561.D

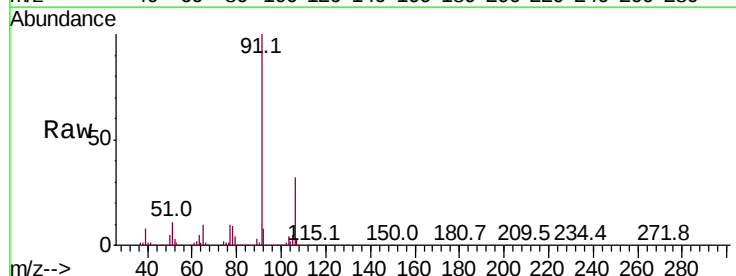
Acq: 7 Sep 2021 21:33

Tgt Ion: 91 Resp: 5723505

Ion Ratio Lower Upper

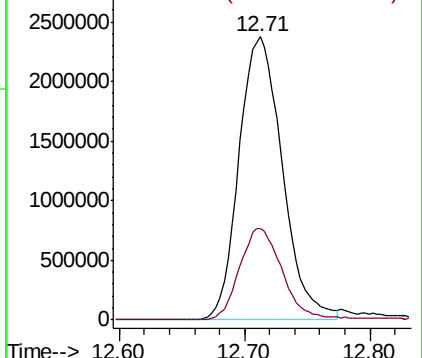
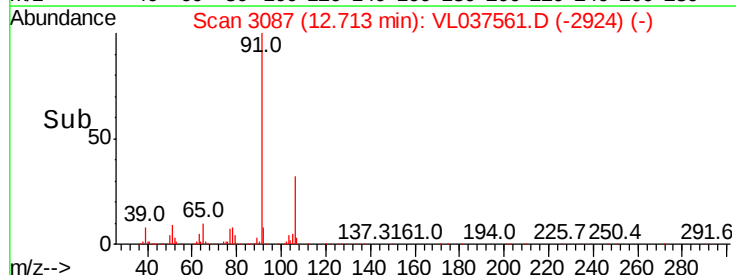
91 100

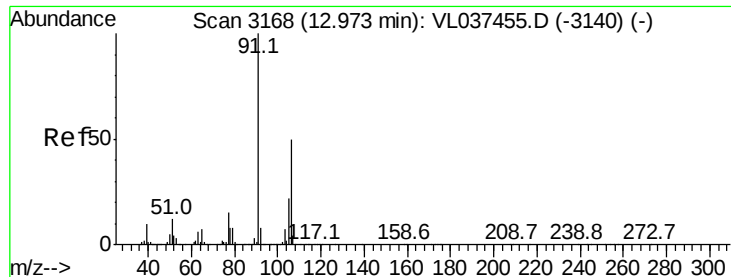
106 32.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.129 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

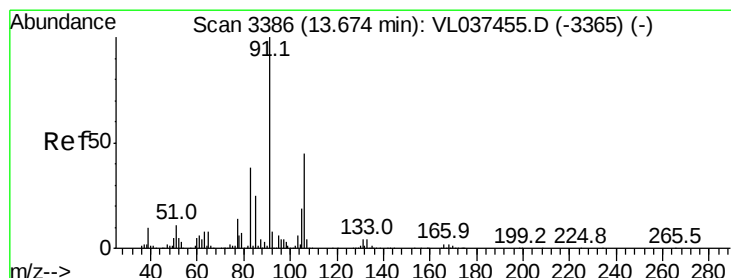
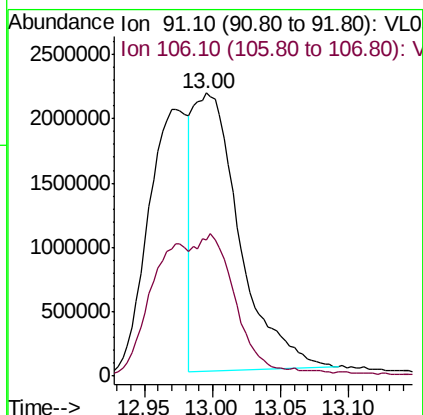
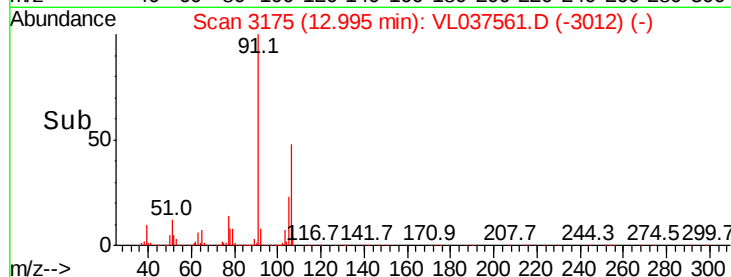
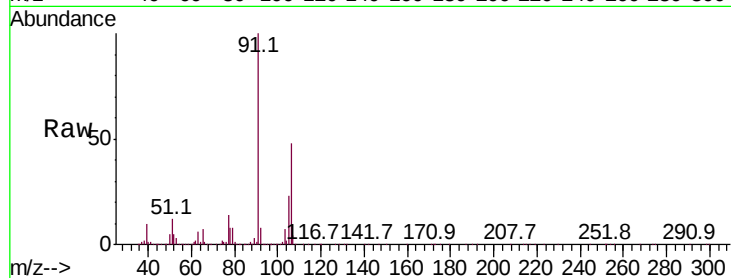
VSTDCCC010EC

Tot Ion: 91 Resp: 5088633

Ion Ratio Lower Upper

91 100

106 89.3 36.9 55.3#



#60

o-Xylene

Concen: 6.759 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.02 min

Lab File: VL037561.D

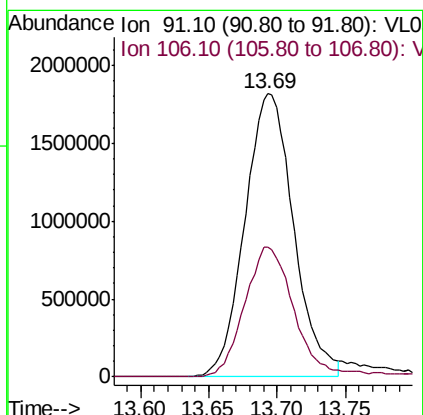
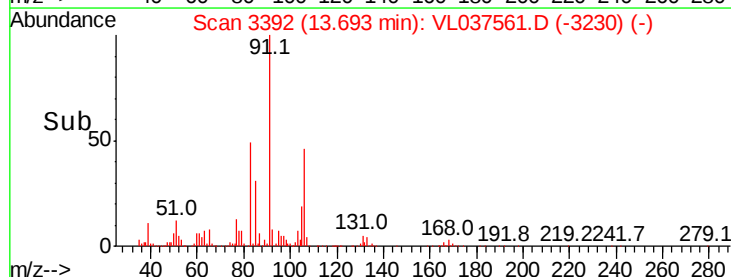
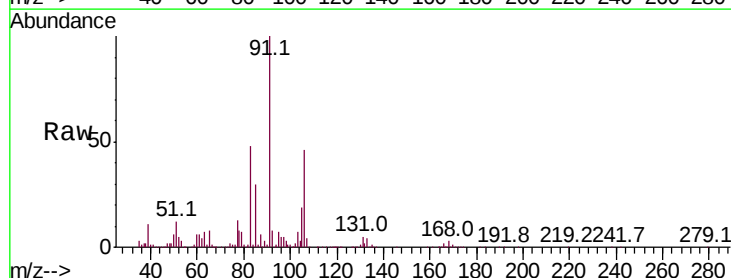
Acq: 7 Sep 2021 21:33

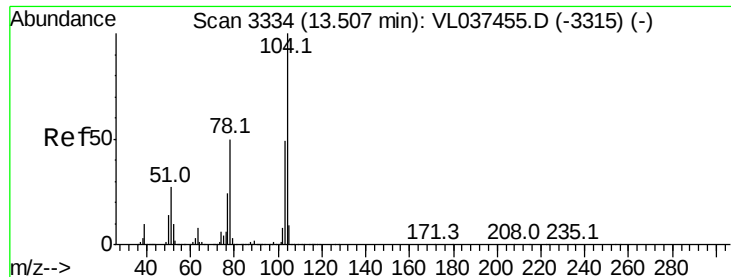
Tgt Ion: 91 Resp: 4502658

Ion Ratio Lower Upper

91 100

106 48.6 23.7 71.1





#61

Stvrene

Concen: 7.317 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

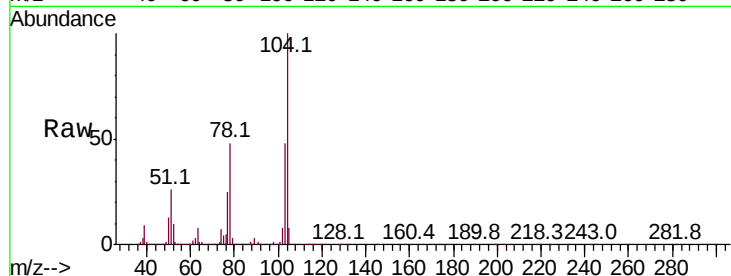
Tot Ion:104 Resp: 2532148

Ion Ratio Lower Upper

104 100

78 49.0 41.3 61.9

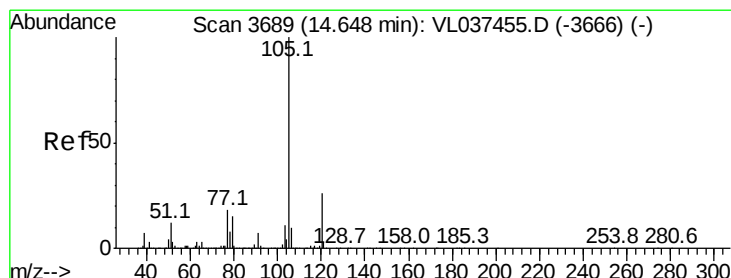
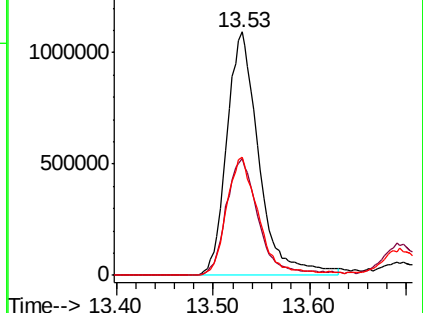
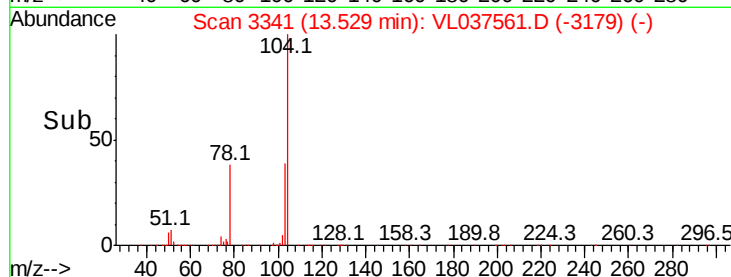
103 49.2 39.4 59.0



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: 6.968 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.02 min

Lab File: VL037561.D

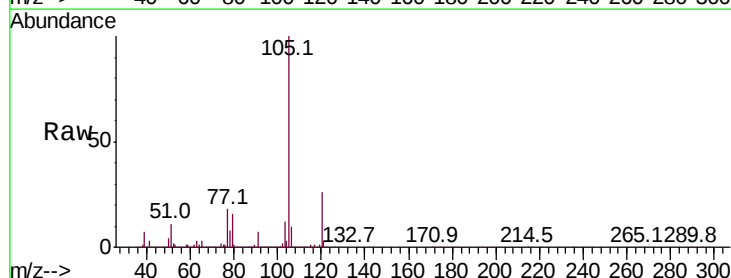
Acq: 7 Sep 2021 21:33

Tgt Ion:105 Resp: 6551463

Ion Ratio Lower Upper

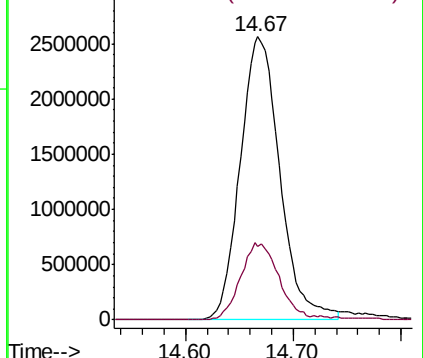
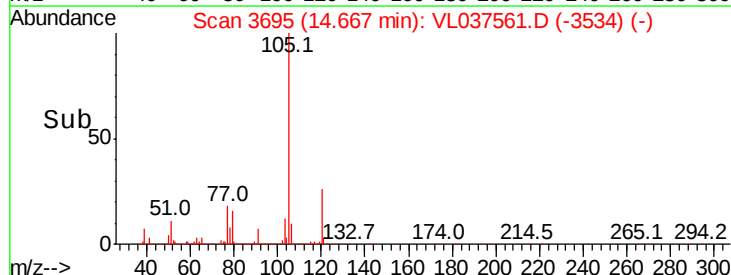
105 100

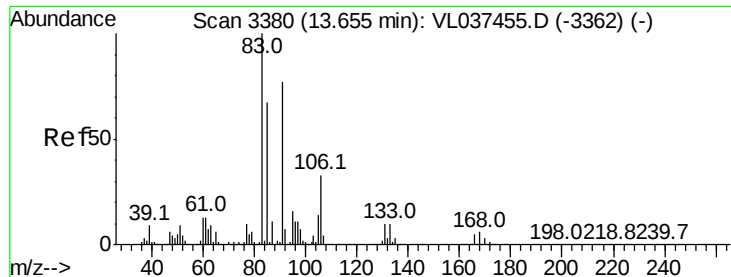
120 27.5 21.5 32.3



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: 7.019 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

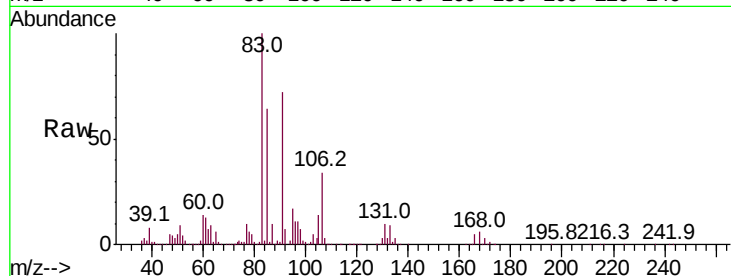
Tot Ion: 83 Resp: 3475676

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

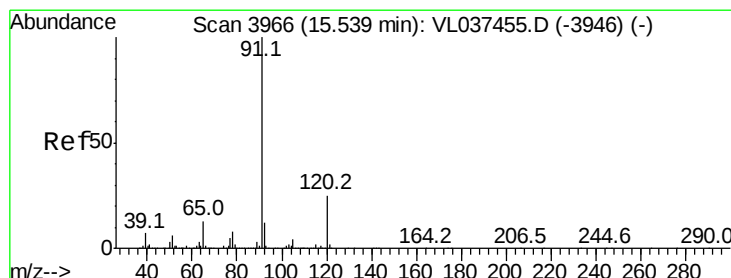
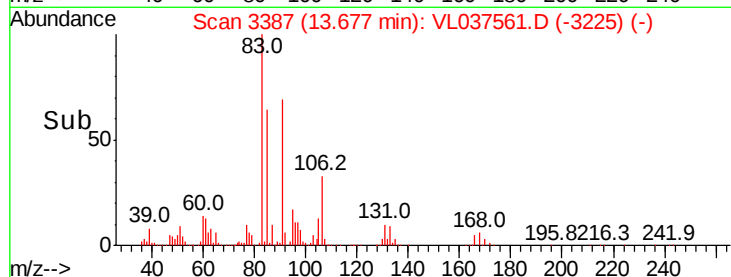
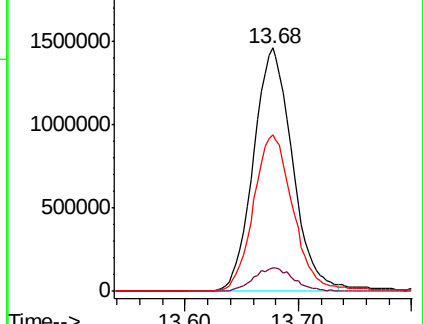
85 67.2 33.8 101.3



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: 7.211 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL037561.D

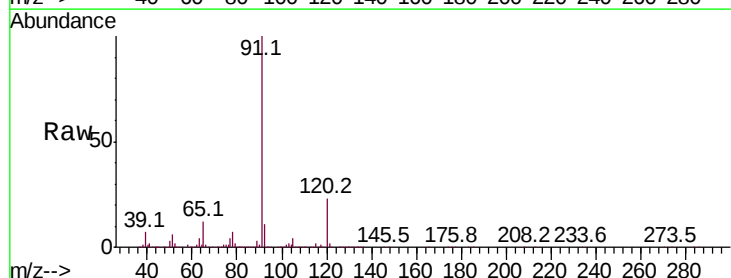
Acq: 7 Sep 2021 21:33

Tgt Ion:120 Resp: 1725505

Ion Ratio Lower Upper

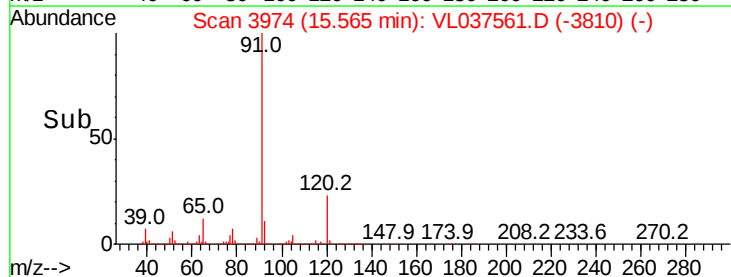
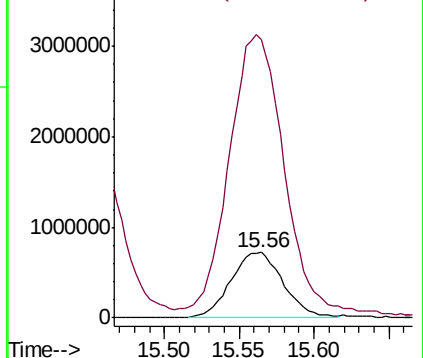
120 100

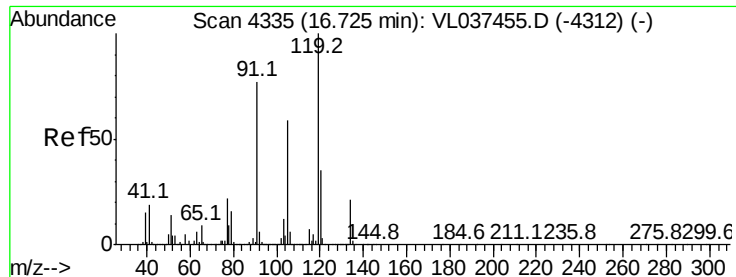
91 477.5 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

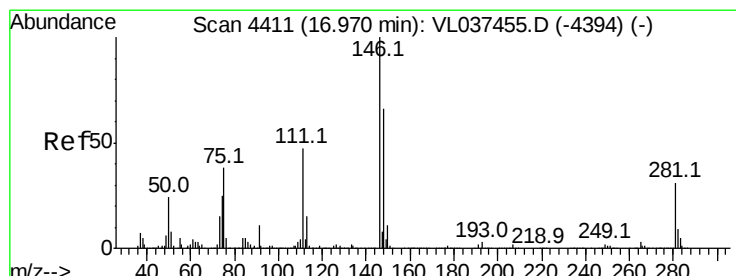
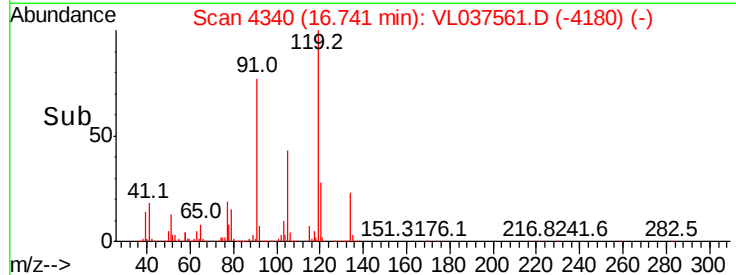
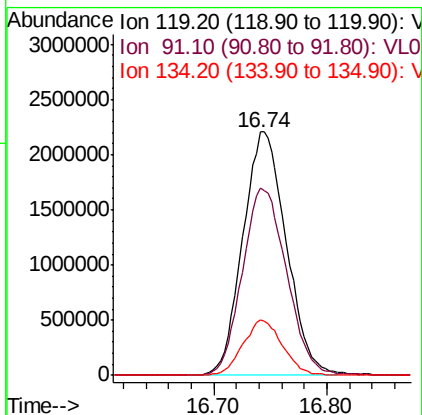
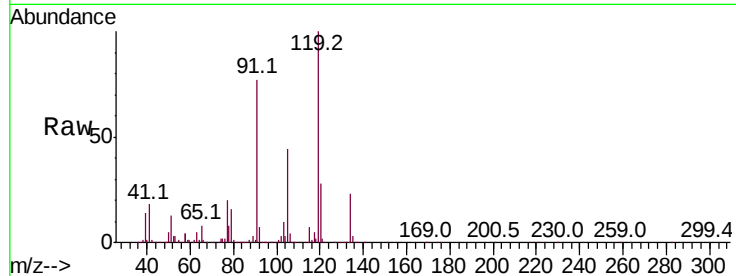




#65
tert-Butylbenzene
Concen: 6.865 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

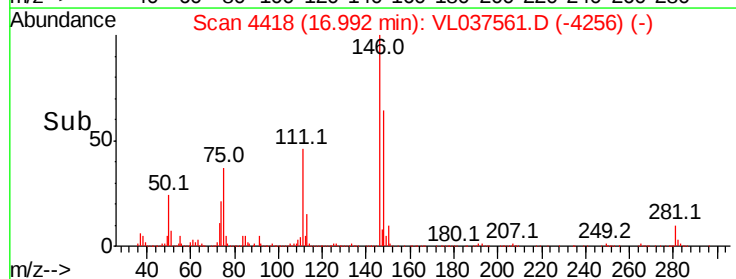
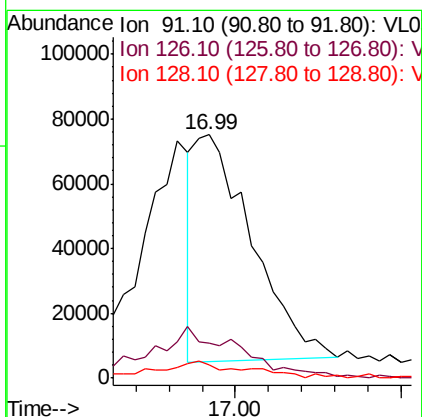
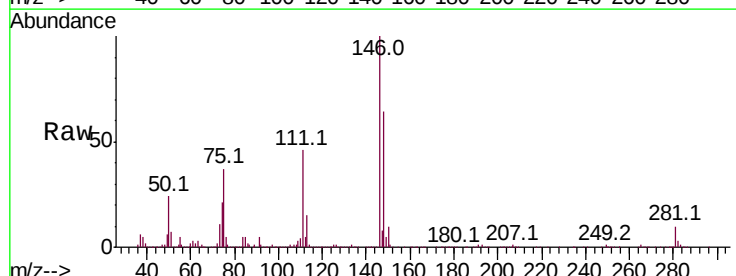
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

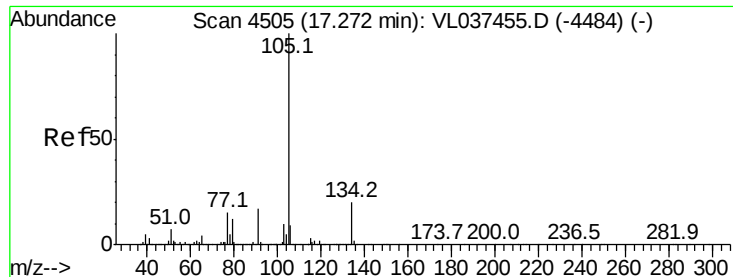
Tot Ion: 119 Resp: 5878858
Ion Ratio Lower Upper
119 100
91 78.4 62.9 94.3
134 20.8 16.4 24.6



#66
Benzyl Chloride
Concen: 2.156 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.02 min
Lab File: VL037561.D
Acq: 7 Sep 2021 21:33

Tgt Ion: 91 Resp: 83528
Ion Ratio Lower Upper
91 100
126 38.5 15.9 23.9#
128 12.1 5.4 8.0#





#67

sec-Butylbenzene

Concen: 6.880 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

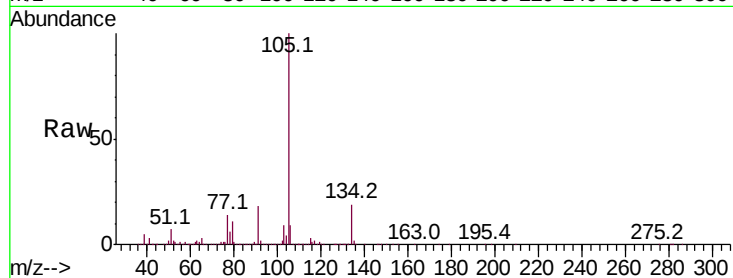
VSTDCCC010EC

Tot Ion:105 Resp: 8231705

Ion Ratio Lower Upper

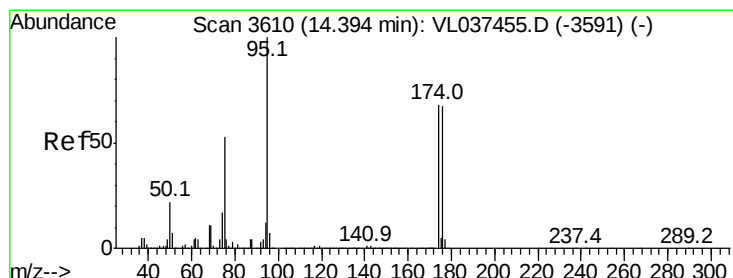
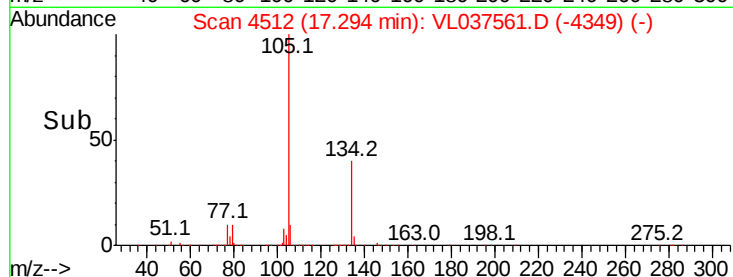
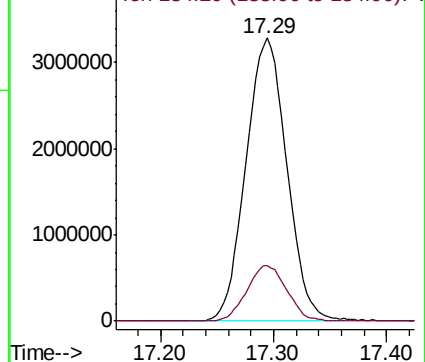
105 100

134 19.5 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: 8.562 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

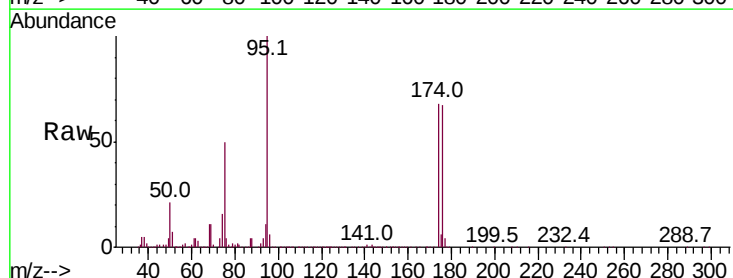
Tgt Ion: 95 Resp: 3608962

Ion Ratio Lower Upper

95 100

174 74.6 59.6 89.4

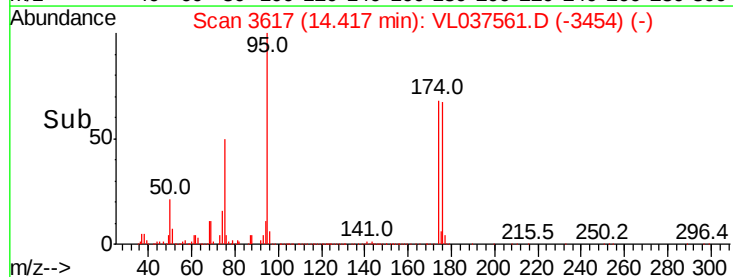
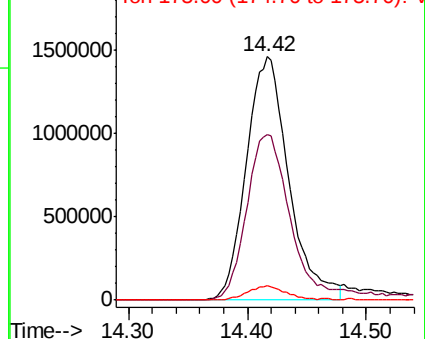
175 6.0 4.6 7.0

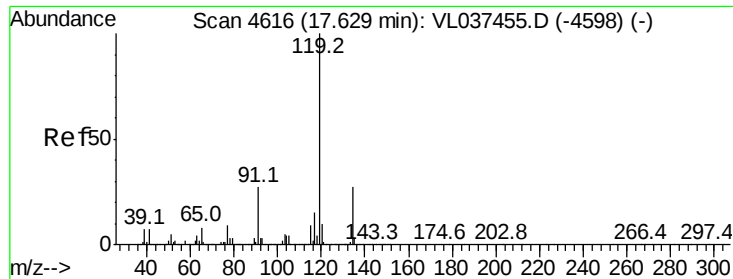


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



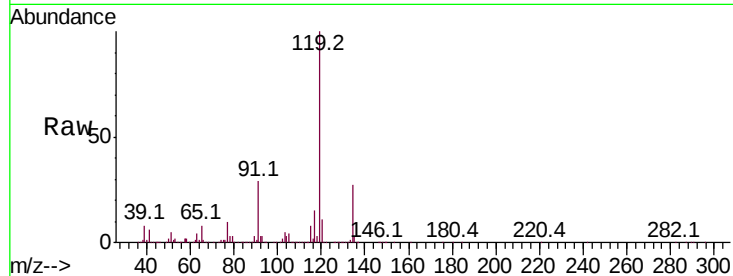


#69
 p-Isopropyltoluene
 Concen: 7.095 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.03 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

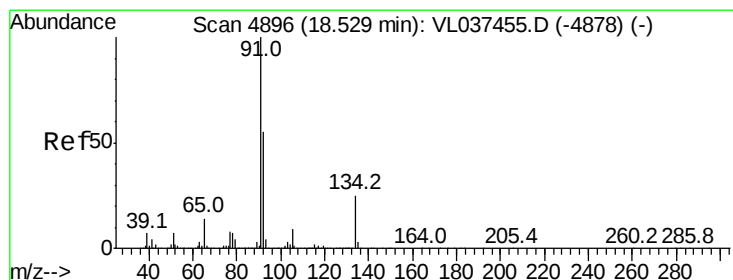
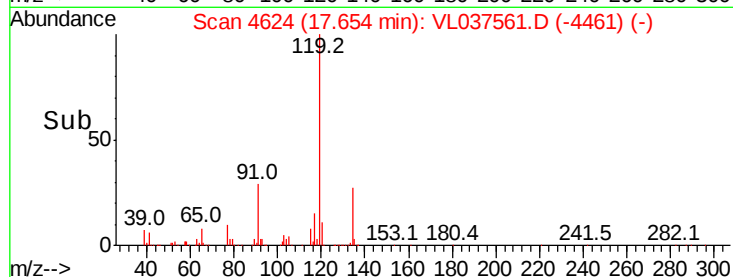
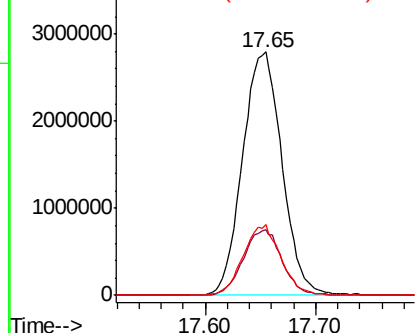
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6917776

Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.1	31.7
91	27.6	22.4	33.6



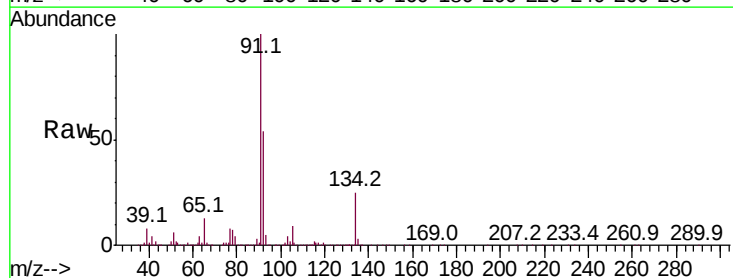
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



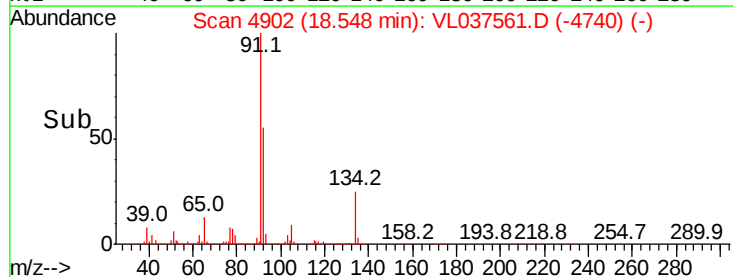
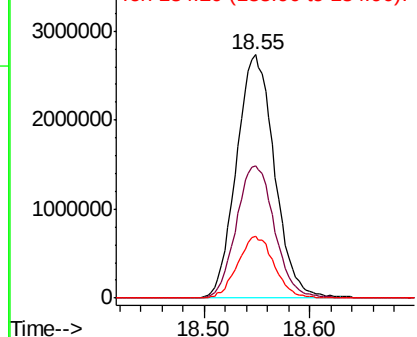
#70
 n-Butylbenzene
 Concen: 7.322 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

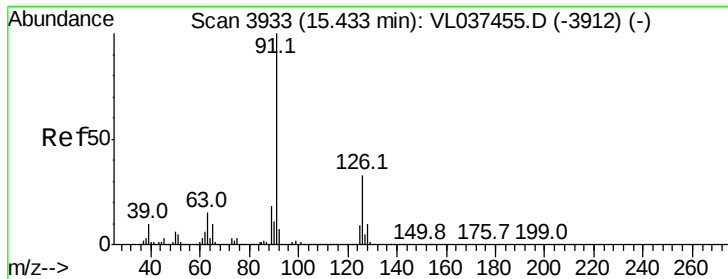
Tgt Ion: 91 Resp: 6822921

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.0	66.0
134	24.7	19.5	29.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.111 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

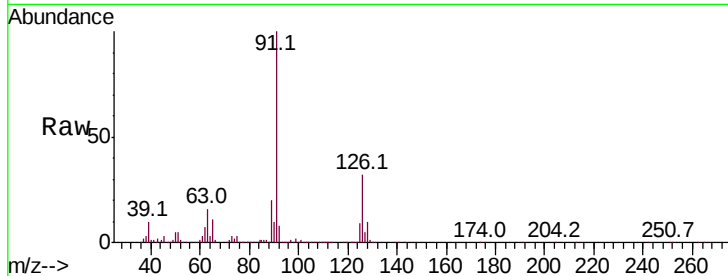
VSTDCCC010EC

Tot Ion: 91 Resp: 4902877

Ion Ratio Lower Upper

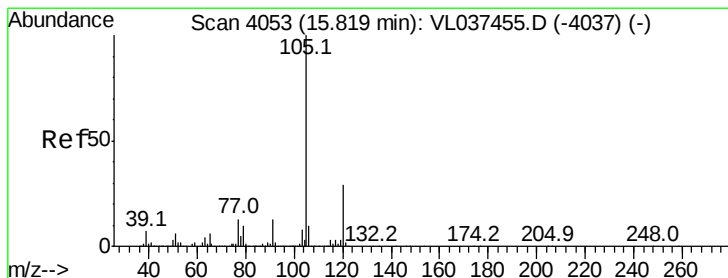
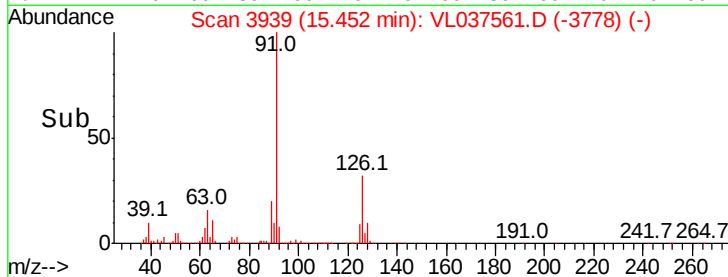
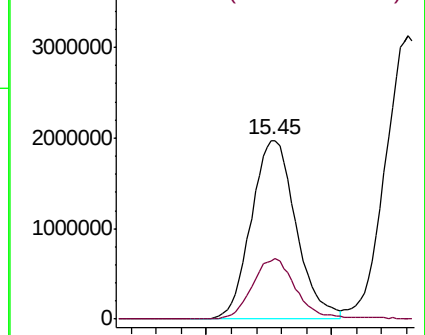
91 100

126 34.0 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: 7.228 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion:105 Resp: 5727695

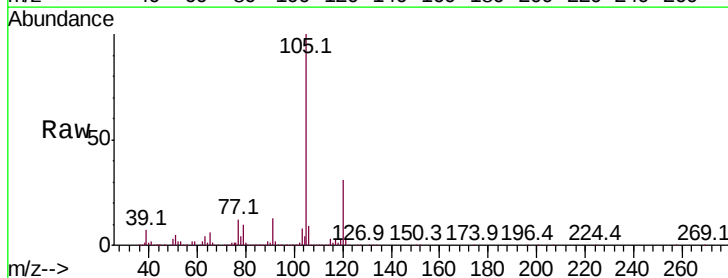
Ion Ratio Lower Upper

105 100

120 30.7 24.7 37.1

91 12.0 9.8 14.8

77 13.2 10.6 15.8

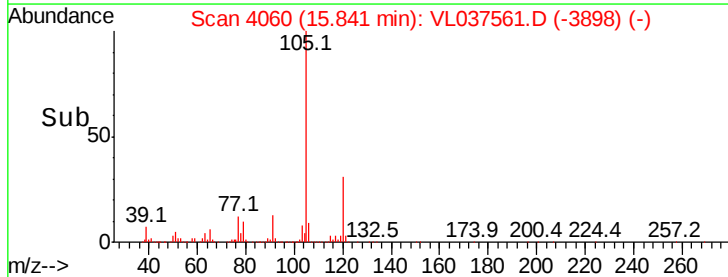
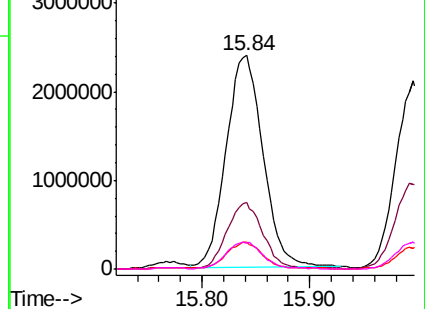


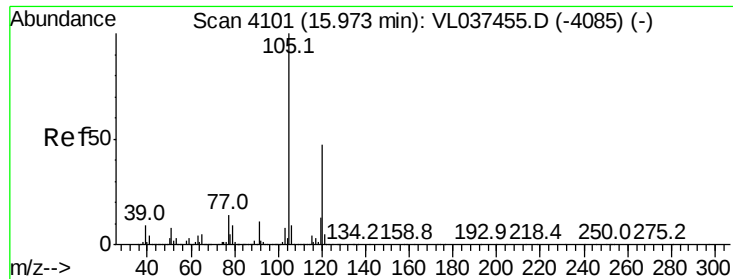
Abundance Ion 105.10 (104.80 to 105.80): V

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

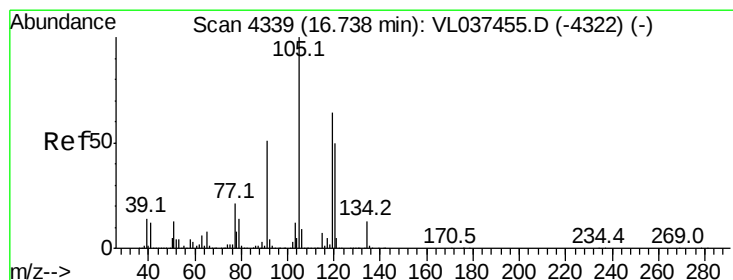
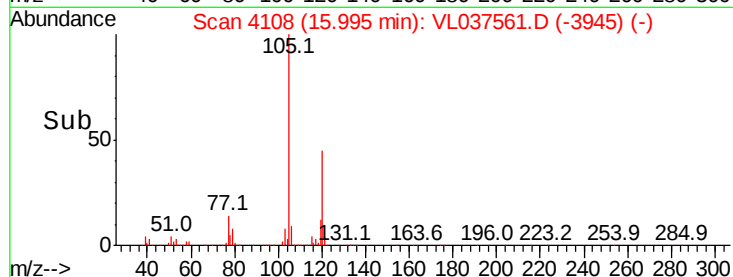
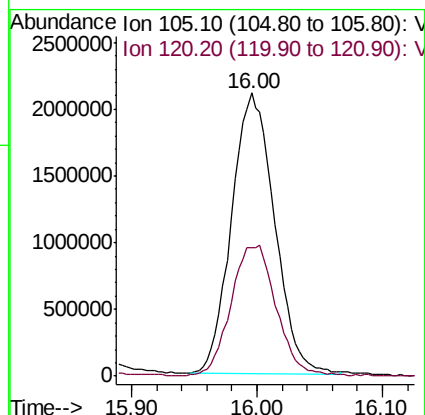
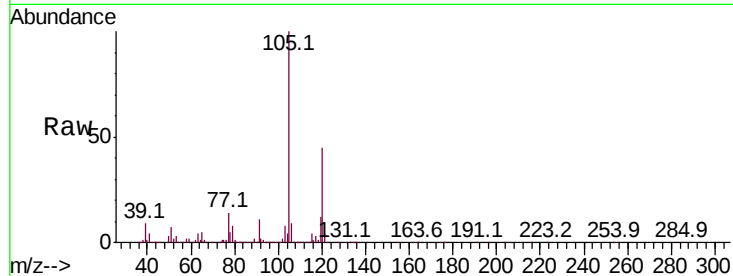




#73
 1,3,5-Trimethylbenzene
 Concen: 6.821 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

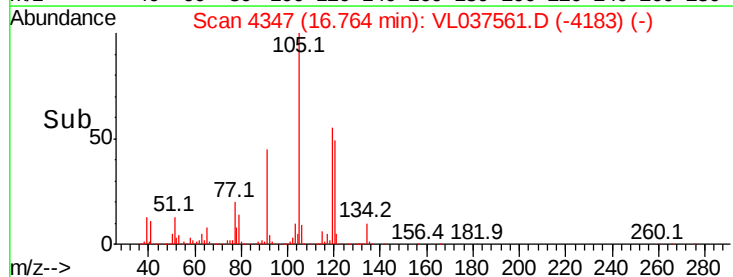
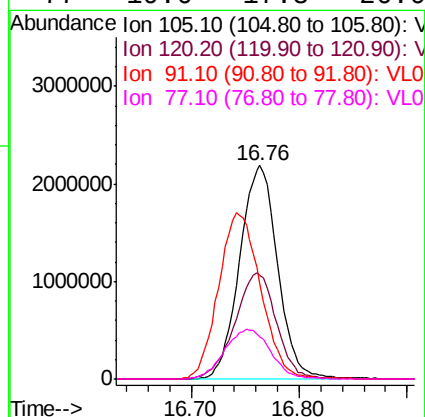
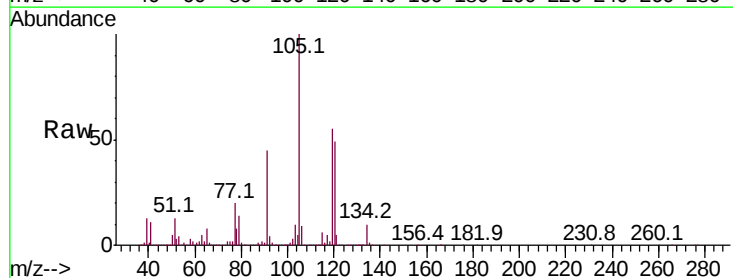
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

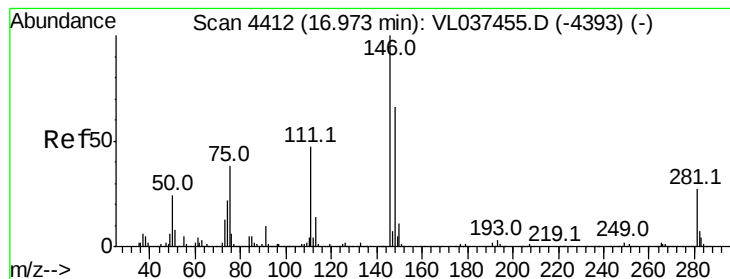
Tot Ion:105 Resp: 5031542
 Ion Ratio Lower Upper
 105 100
 120 45.1 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 6.828 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.03 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Tgt Ion:105 Resp: 5351916
 Ion Ratio Lower Upper
 105 100
 120 48.6 40.4 60.6
 91 44.6 44.6 67.0#
 77 19.6 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 7.168 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

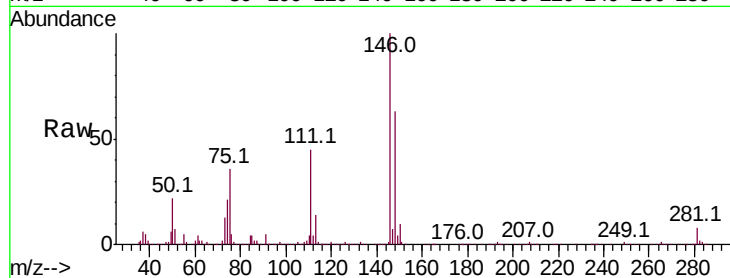
Tot Ion:146 Resp: 3381792

Ion Ratio Lower Upper

146 100

111 45.4 23.4 70.0

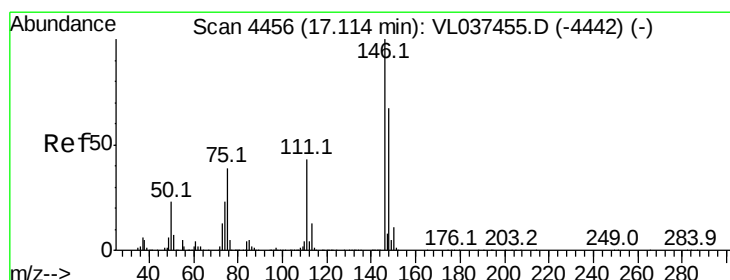
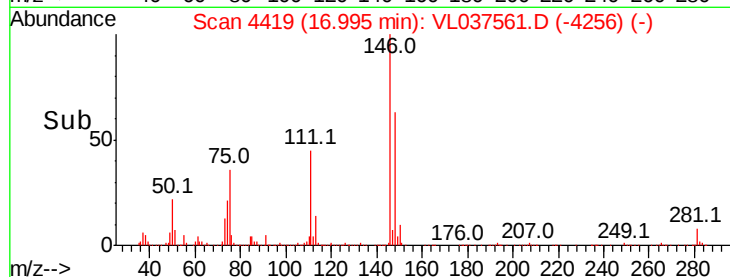
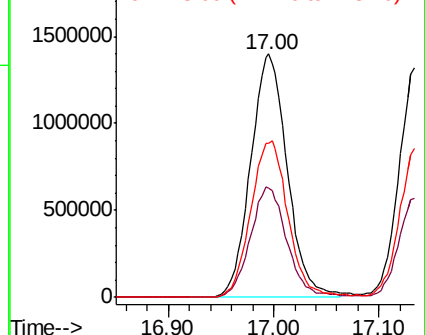
148 65.4 33.1 99.5



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: 6.882 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

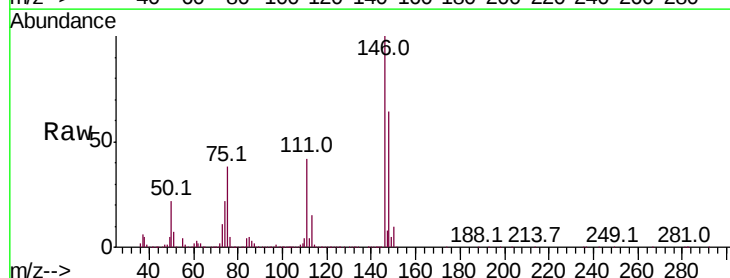
Tgt Ion:146 Resp: 3270944

Ion Ratio Lower Upper

146 100

111 44.8 22.1 66.5

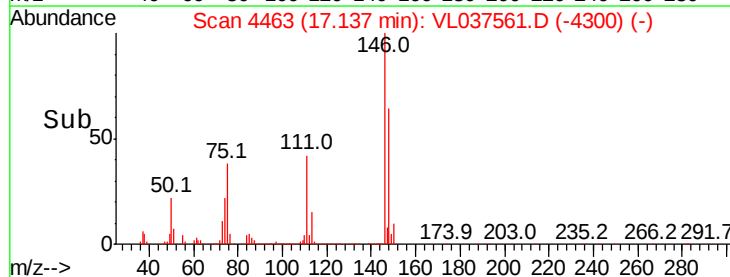
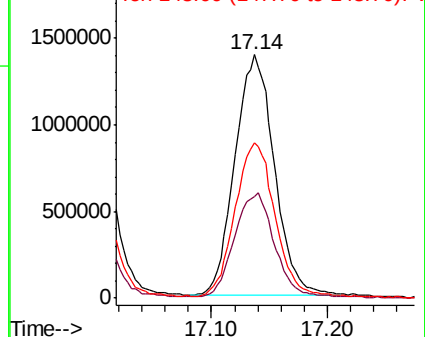
148 67.4 32.4 97.0

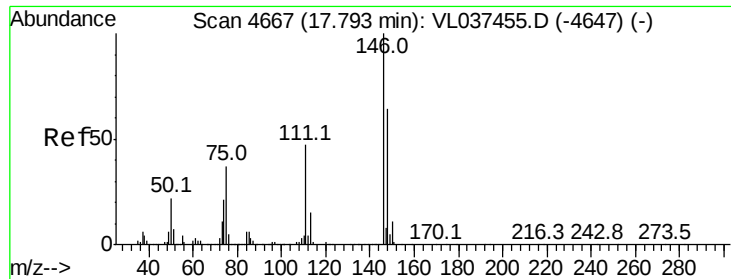


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

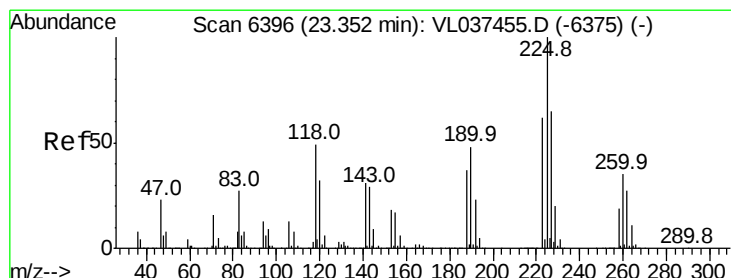
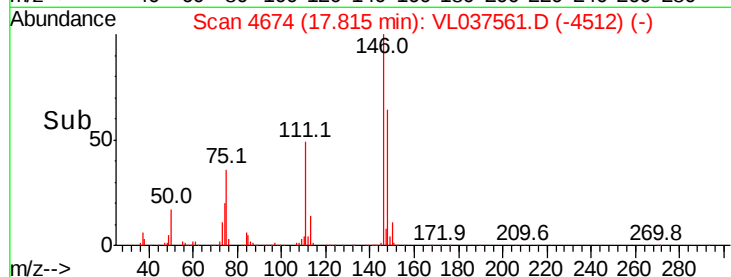
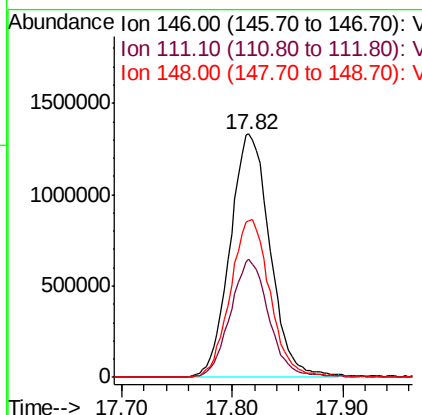
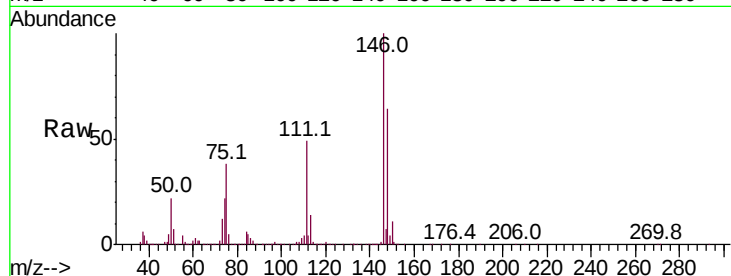




#77
 1,2-Dichlorobenzene
 Concen: 7.119 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

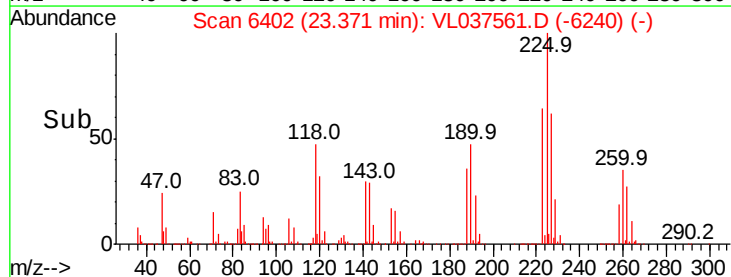
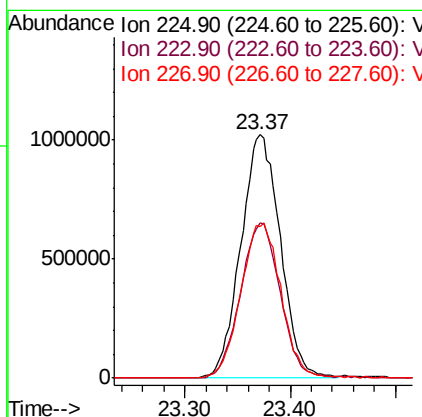
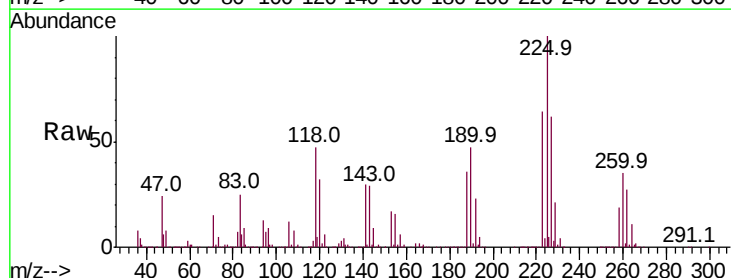
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

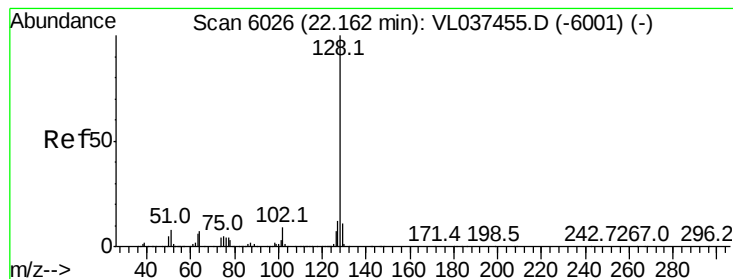
Tot Ion:146 Resp: 3307451
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.4 70.3
 148 64.9 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.906 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.02 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Tgt Ion:225 Resp: 2667771
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.4 77.0
 227 64.9 52.9 79.3





#79

Naphthalene

Concen: 8.693 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.03 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Instrument :

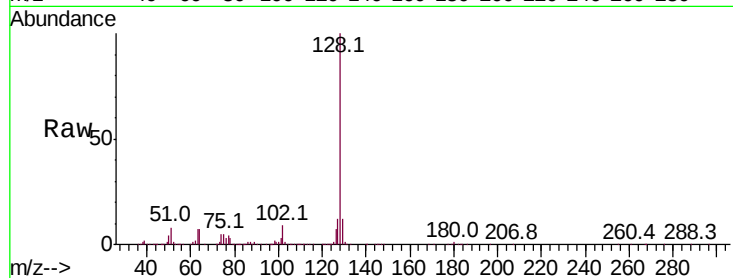
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4559969

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.4	14.2
129	11.8	8.8	13.2

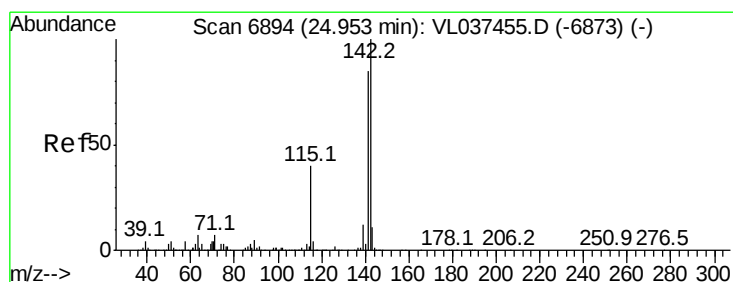
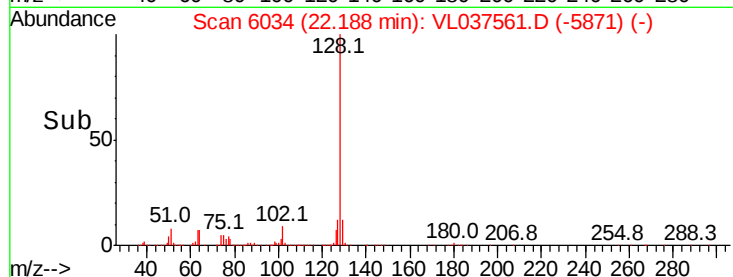
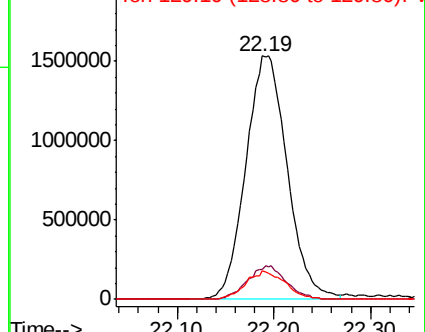


Abundance

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: 9.343 ppbv

RT: 24.97 min Scan# 6899

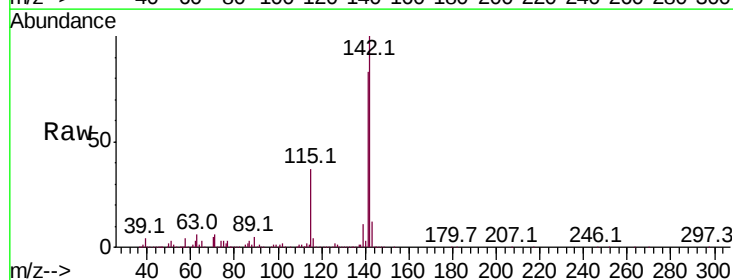
Delta R.T. 0.02 min

Lab File: VL037561.D

Acq: 7 Sep 2021 21:33

Tgt Ion:142 Resp: 1365273

Ion	Ratio	Lower	Upper
142	100		
141	88.2	64.7	97.1
115	36.1	28.4	42.6

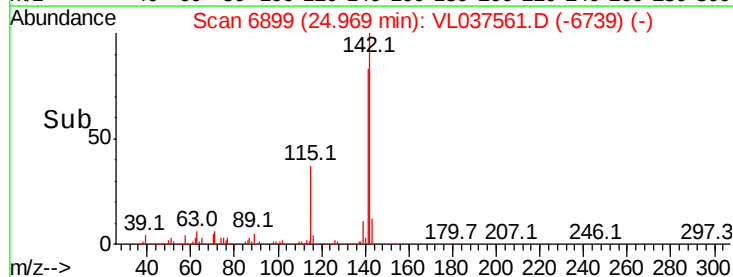
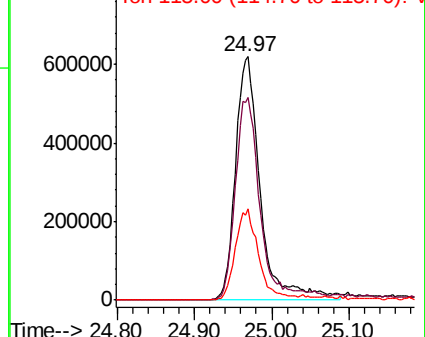


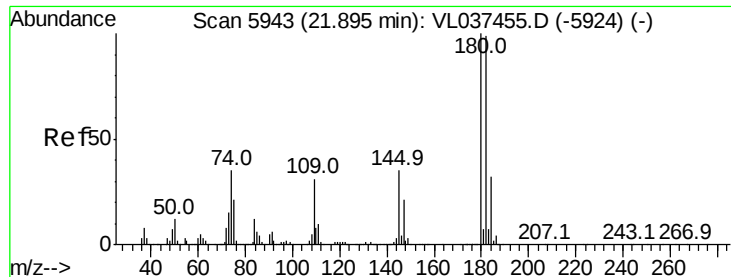
Abundance

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

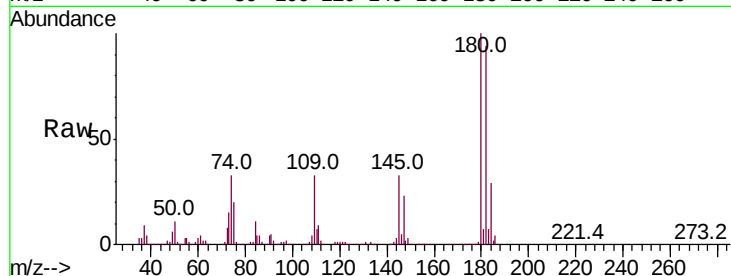




#81
 1,2,4-Trichlorobenzene
 Concen: 8.193 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.03 min
 Lab File: VL037561.D
 Acq: 7 Sep 2021 21:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 2696761
 Ion Ratio Lower Upper
 180 100
 182 97.5 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

