

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037636.D
 Acq On : 17 Sep 2021 4:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1528880	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4498512	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5014594	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2878018	7.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2008212	7.259 ppbv	99
3) Chlorodifluoromethane	2.98	51	2746470	9.524 ppbv	100
4) Chloromethane	3.13	50	1032159	9.687 ppbv	98
5) Vinyl Chloride	3.25	62	1039243	10.384 ppbv	98
6) Bromomethane	3.46	94	564050	9.697 ppbv	93
7) Chloroethane	3.55	64	366043	9.787 ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2308746	9.674 ppbv	100
9) Propene	3.00	41	989717	9.729 ppbv	99
10) Heptane	8.10	43	2482442	10.458 ppbv	99
11) Trichlorofluoromethane	3.94	101	2185239	9.838 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1592602	9.714 ppbv	99
13) Ethanol	3.59	45	98873	9.937 ppbv	97
14) Bromoethene	3.73	108	695722	9.322 ppbv	96
15) Acetone	3.84	43	1184719	7.458 ppbv	98
16) 1,3-Butadiene	3.32	39	988996	9.964 ppbv	98
17) tert-Butyl alcohol	4.27	59	1463859	10.868 ppbv	99
18) 1,1-Dichloroethene	4.28	96	722489	9.460 ppbv	97
19) Isopropyl Alcohol	3.95	45	880972	10.193 ppbv	100
20) Methylene Chloride	4.33	84	582630	7.683 ppbv	97
21) Allyl Chloride	4.40	41	1211966	10.213 ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	736293	9.582 ppbv	94
23) Vinyl Acetate	5.06	43	2482468	11.294 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1582521	10.050 ppbv	100
25) Ethyl Acetate	5.66	43	3816098	9.919 ppbv	99
26) Hexane	5.67	57	1806869	9.887 ppbv	98
27) Carbon Disulfide	4.54	76	1745279	10.439 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1901369	11.812 ppbv	98
29) Chloroform	5.74	83	2523864	9.458 ppbv	100
30) Cyclohexane	7.11	84	1525870	9.762 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1738577	10.479 ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2459301	9.899 ppbv	99
34) 2-Butanone	5.23	43	1692949	9.261 ppbv	99
35) Carbon Tetrachloride	7.01	117	2551271	10.026 ppbv	98
36) Benzene	6.88	78	3789346	10.102 ppbv	98
37) 1,2-Dichloroethane	6.29	62	1817941	9.854 ppbv	100
38) Trichloroethene	7.82	130	1466556	9.359 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1448002	10.078 ppbv	98
40) 1,4-Dioxane	7.82	88	343428	9.827 ppbv	# 1
41) Tetrahydrofuran	6.03	42	918046	10.683 ppbv	99
42) Bromodichloromethane	7.77	83	2720932	10.290 ppbv	99
43) Methyl Methacrylate	8.00	69	1355043	10.858 ppbv	98

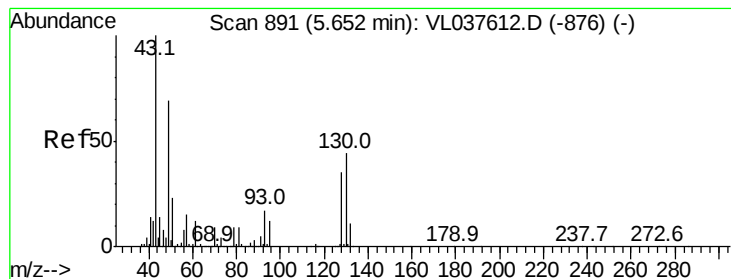
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037636.D
 Acq On : 17 Sep 2021 4:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
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Quant Time: Sep 17 05:30:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6300812	9.991	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1159819	11.832	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1534647	11.590	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1509968	9.501	ppbv	99
48) Dibromochloromethane	10.28	129	2315861	10.445	ppbv	99
49) Bromoform	13.02	173	1758009	9.907	ppbv	95
50) 4-Methyl-2-Pentanone	8.72	43	2396575	10.329	ppbv	99
51) 2-Hexanone	10.12	43	1107619	10.819	ppbv	96
52) Tetrachloroethene	11.20	164	1380647	9.587	ppbv	98
53) Toluene	9.79	91	4295471	10.302	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2137249	9.821	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1582114	7.606	ppbv #	50
57) Chlorobenzene	12.13	112	3053541	7.325	ppbv	96
58) Ethyl Benzene	12.69	91	5403427	8.117	ppbv	100
59) m/p-Xylene	12.98	91	5078449	8.755	ppbv #	43
60) o-Xylene	13.67	91	4176861	7.565	ppbv	98
61) Styrene	13.51	104	2361702	8.675	ppbv	99
62) Isopropylbenzene	14.64	105	5820273	7.546	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2921776	6.762	ppbv	99
64) n-propylbenzene	15.55	120	1518479	7.629	ppbv	82
65) tert-Butylbenzene	16.72	119	5100399	7.334	ppbv	100
66) Benzyl Chloride	16.97	91	309420	8.142	ppbv	98
67) sec-Butylbenzene	17.27	105	7132879	7.560	ppbv	99
69) p-Isopropyltoluene	17.63	119	5970045	7.745	ppbv	99
70) n-Butylbenzene	18.53	91	5859506	8.034	ppbv	99
71) 2-Chlorotoluene	15.43	91	4218950	7.633	ppbv	99
72) 4-Ethyltoluene	15.82	105	5001451	7.891	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4448514	7.530	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4607489	7.405	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2826462	7.311	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2780889	7.293	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2724011	7.429	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2226547	7.215	ppbv	99
79) Naphthalene	22.17	128	3978550	10.413	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1088902	12.469	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2248502	9.166	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

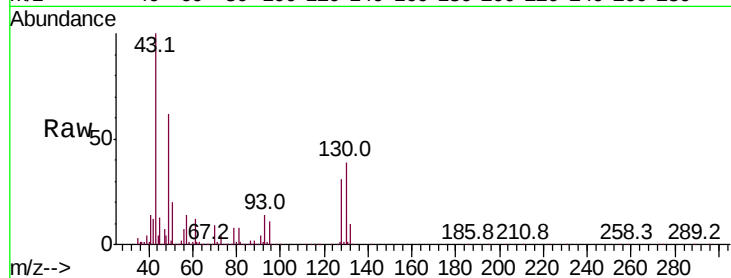
Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1528880

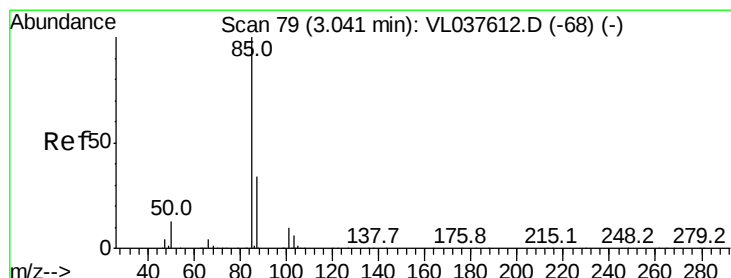
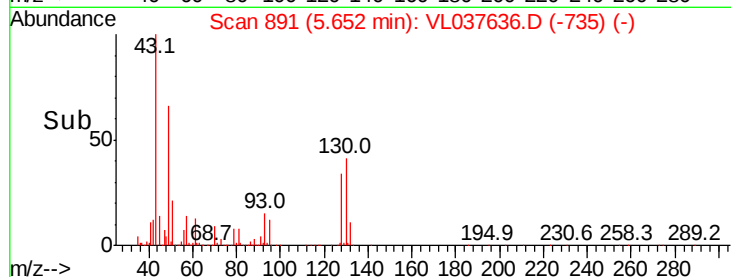
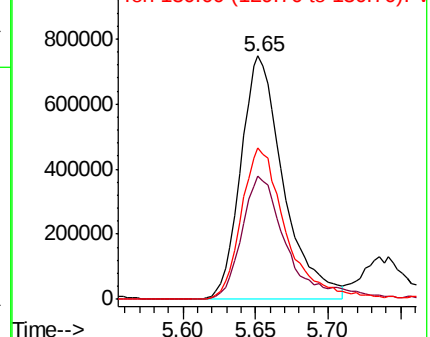
Ion	Ratio	Lower	Upper
49	100		
128	54.3	27.9	83.6
130	66.6	33.9	101.7



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: 7.259 ppbv

RT: 3.04 min Scan# 79

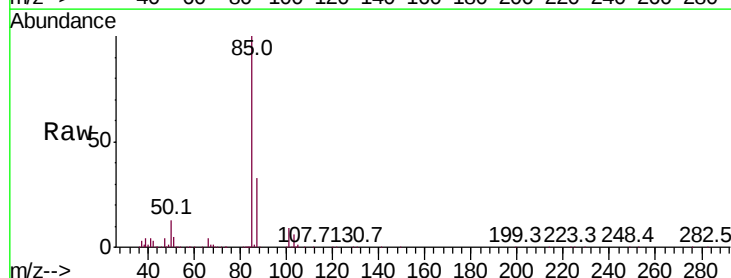
Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

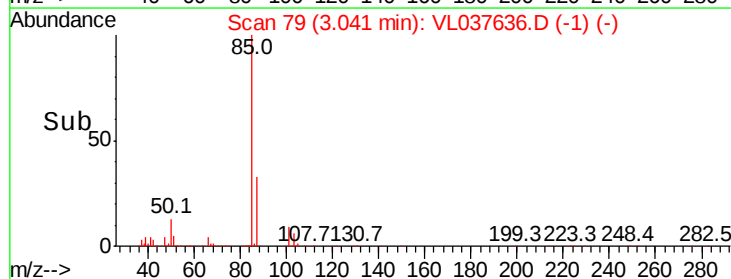
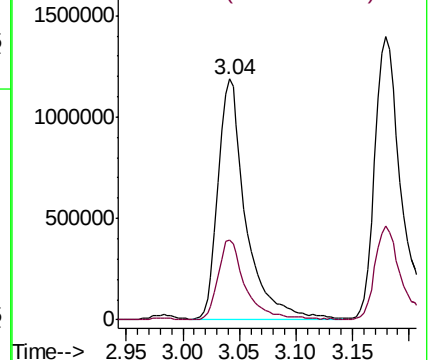
Tgt Ion: 85 Resp: 2008212

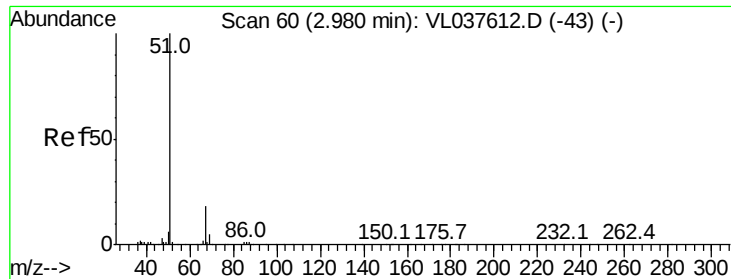
Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.8	40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

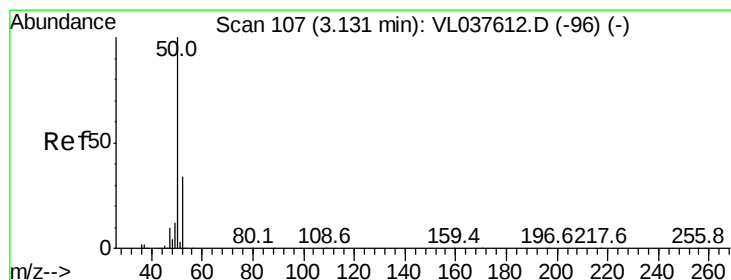
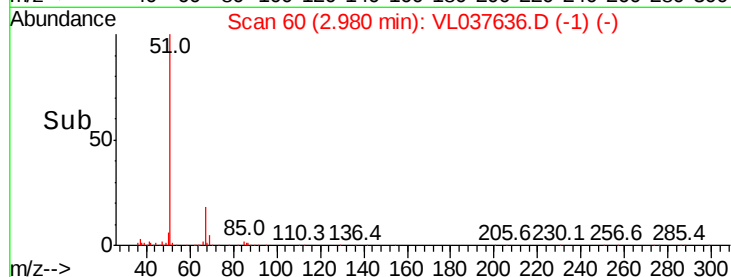
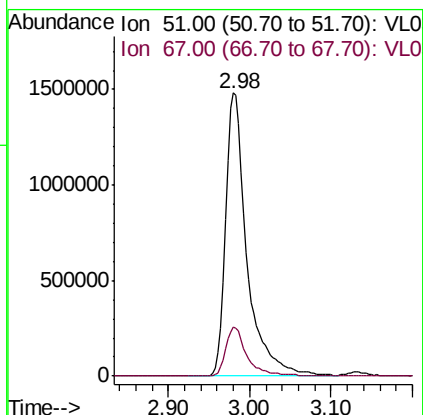
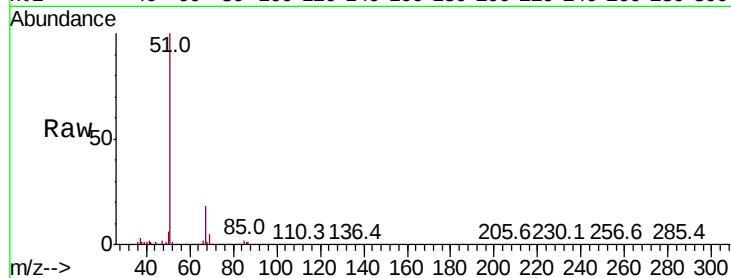




#3
Chlorodifluoromethane
Concen: 9.524 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

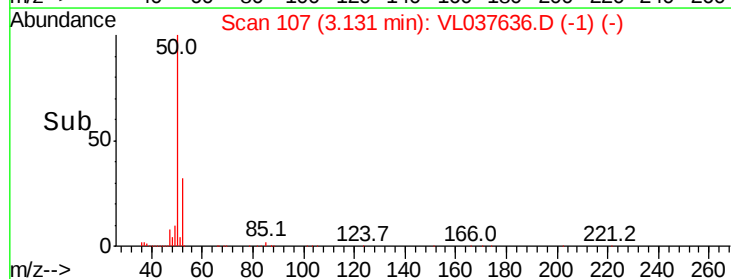
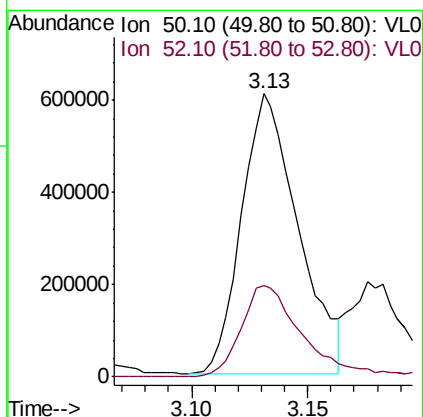
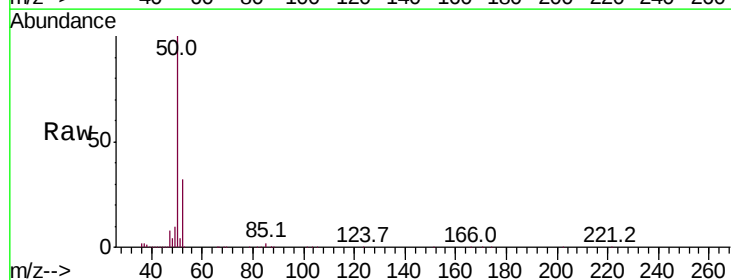
Instrument :
MSVOA_L
ClientSampleId :

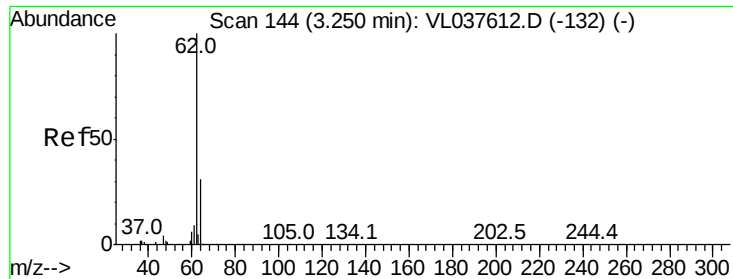
Tot Ion: 51 Resp: 2746470
Ion Ratio Lower Upper
51 100
67 17.4 14.0 21.0



#4
Chloromethane
Concen: 9.687 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 50 Resp: 1032159
Ion Ratio Lower Upper
50 100
52 32.5 27.1 40.7





#5

Vinyl Chloride

Concen: 10.384 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

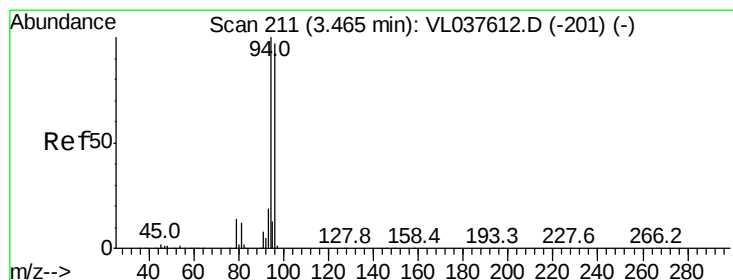
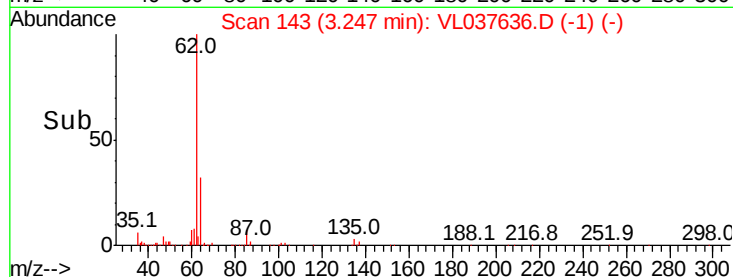
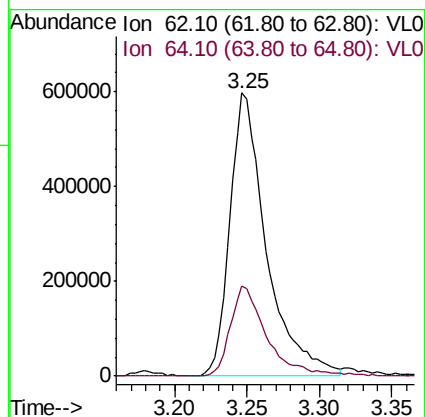
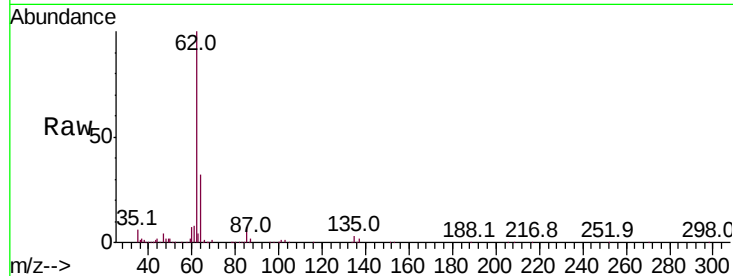
ClientSampleId :

Tot Ion: 62 Resp: 1039243

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3



#6

Bromomethane

Concen: 9.697 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037636.D

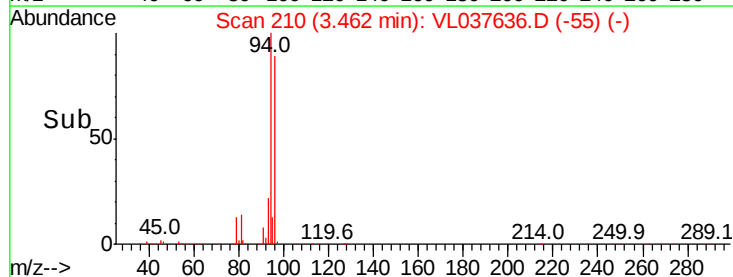
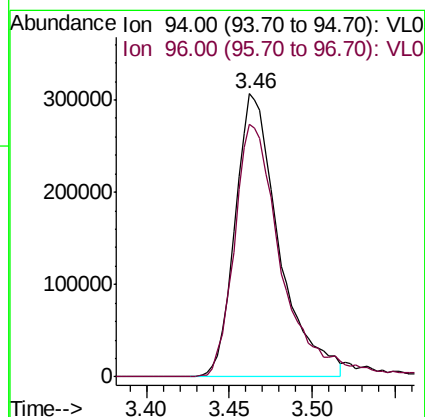
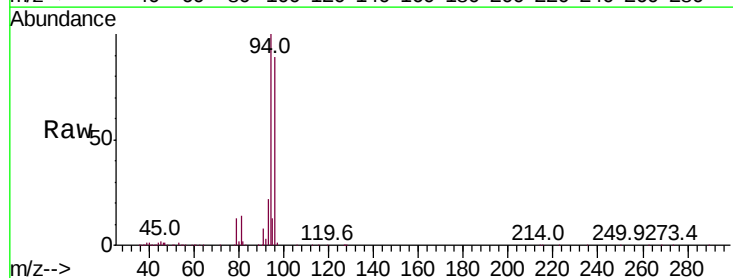
Acq: 17 Sep 2021 4:31

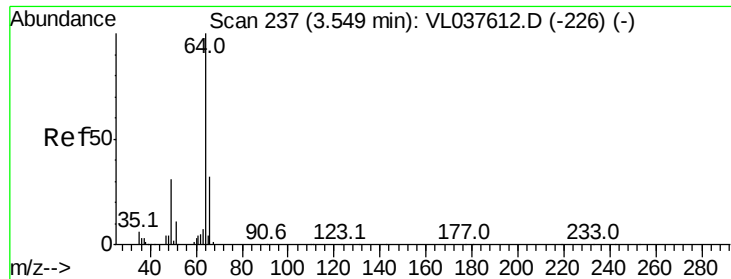
Tgt Ion: 94 Resp: 564050

Ion Ratio Lower Upper

94 100

96 89.3 77.3 115.9





#7

Chloroethane

Concen: 9.787 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

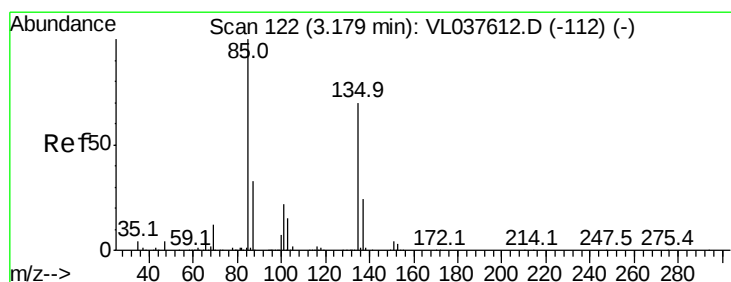
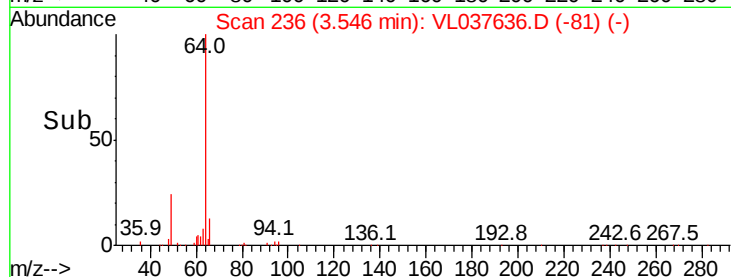
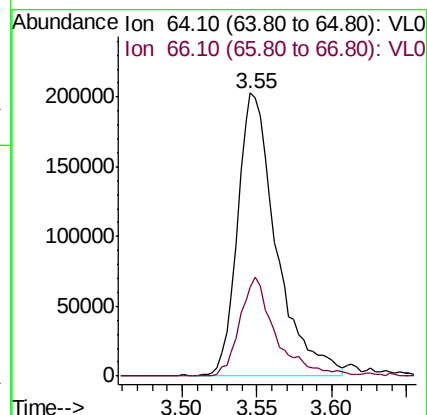
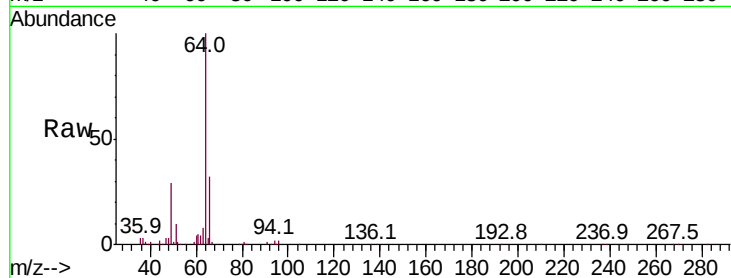
ClientSampleId :

Tot Ion: 64 Resp: 366043

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.674 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037636.D

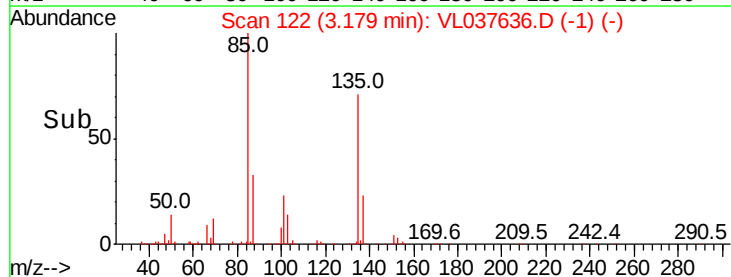
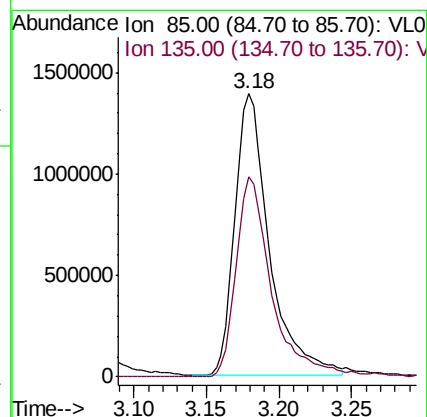
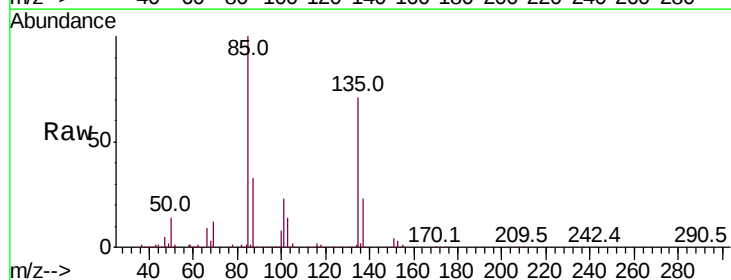
Acq: 17 Sep 2021 4:31

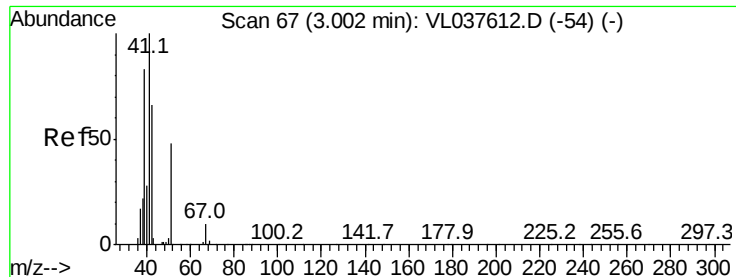
Tgt Ion: 85 Resp: 2308746

Ion Ratio Lower Upper

85 100

135 74.1 59.3 88.9





#9

Propene

Concen: 9.729 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

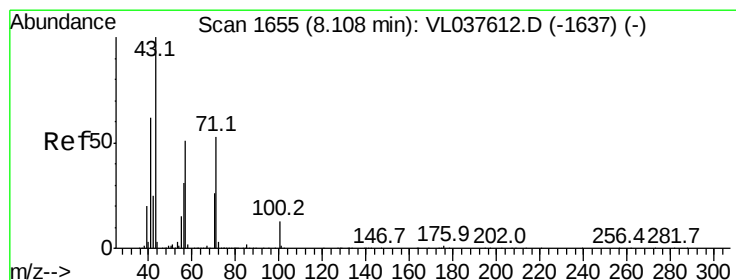
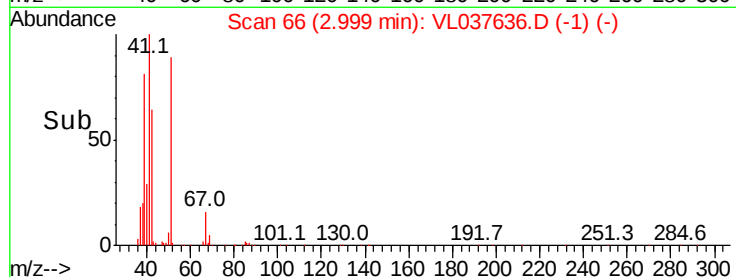
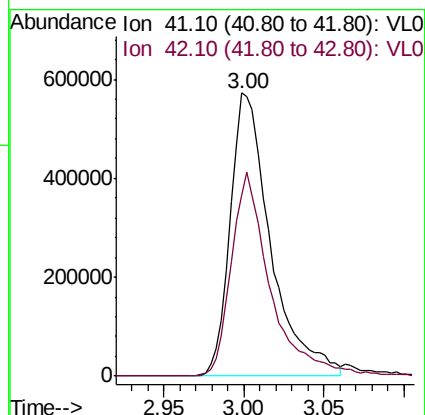
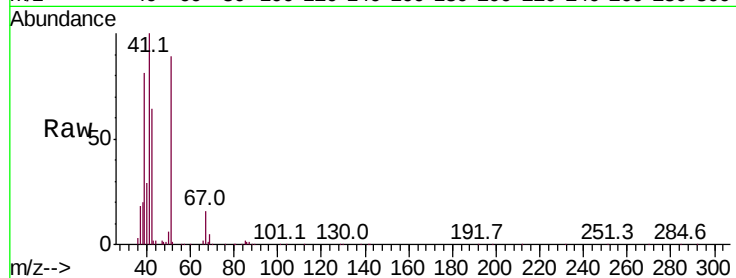
ClientSampleId :

Tot Ion: 41 Resp: 989717

Ion Ratio Lower Upper

41 100

42 70.3 57.2 85.8



#10

Heptane

Concen: 10.458 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037636.D

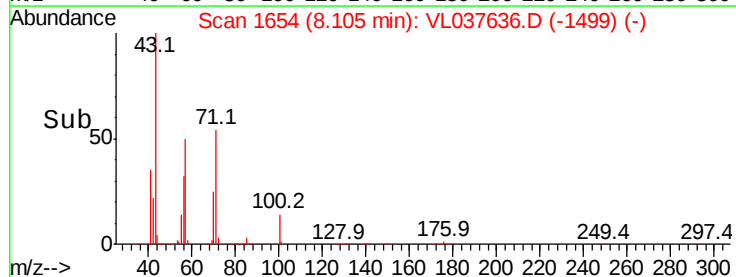
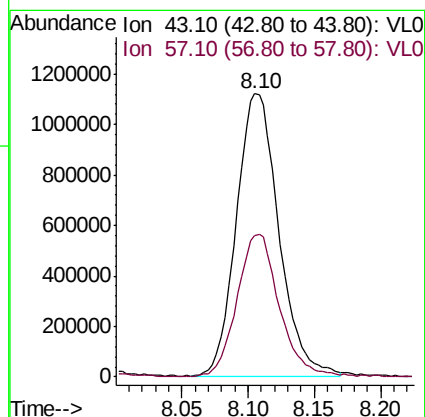
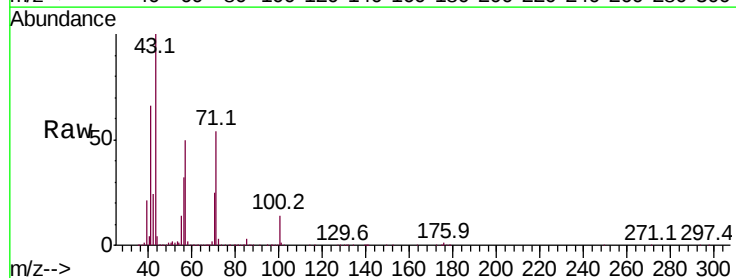
Acq: 17 Sep 2021 4:31

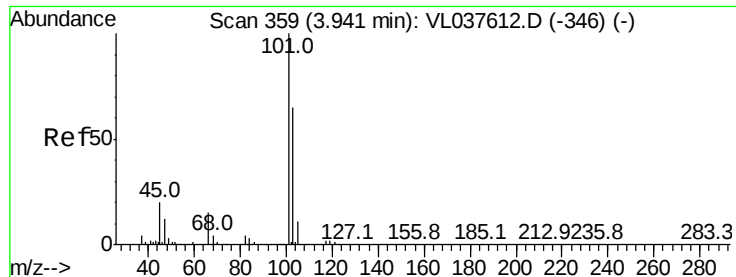
Tgt Ion: 43 Resp: 2482442

Ion Ratio Lower Upper

43 100

57 50.6 40.1 60.1

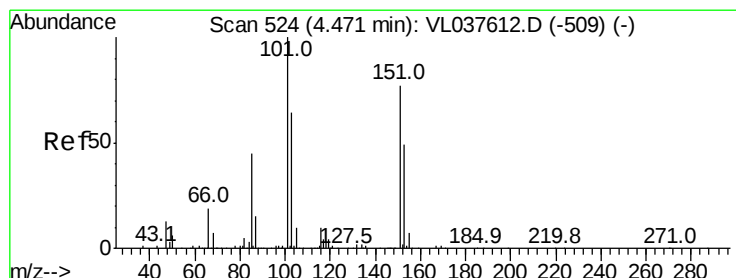
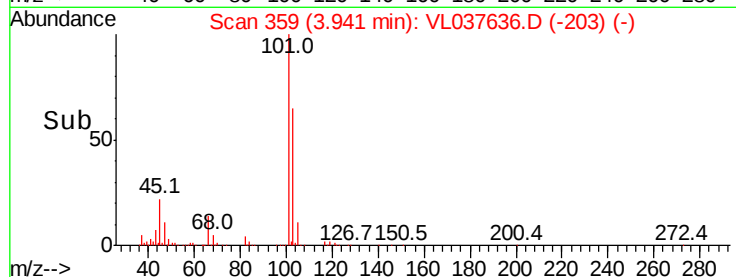
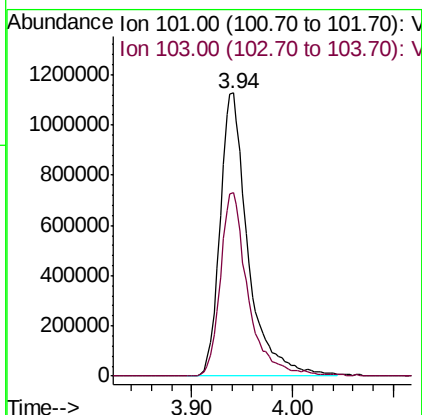
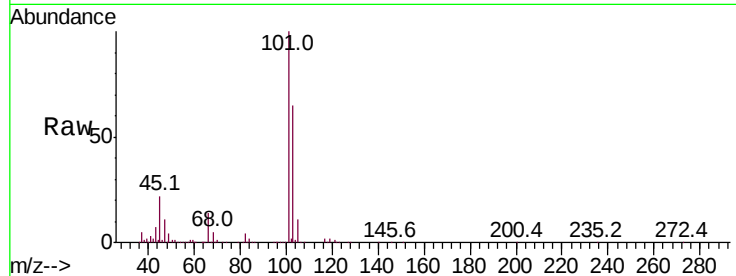




#11
 Trichlorofluoromethane
 Concen: 9.838 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

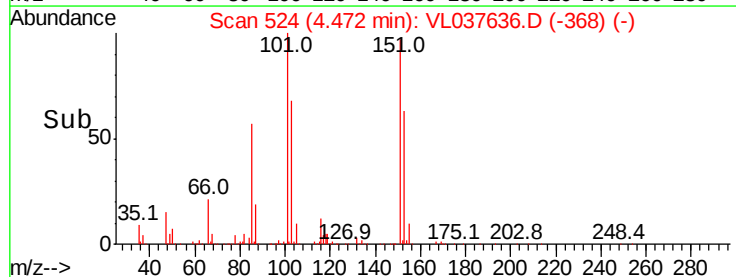
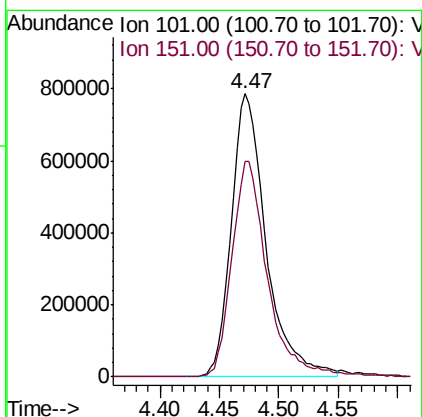
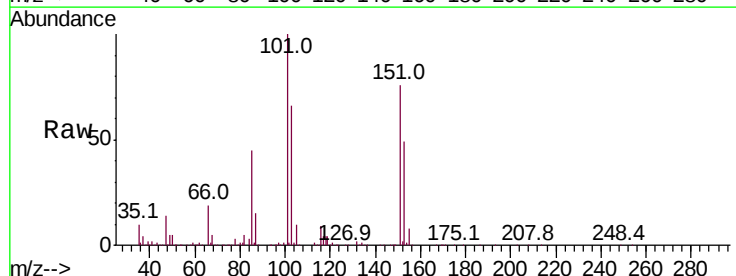
Instrument :
 MSVOA_L
 ClientSampleId :

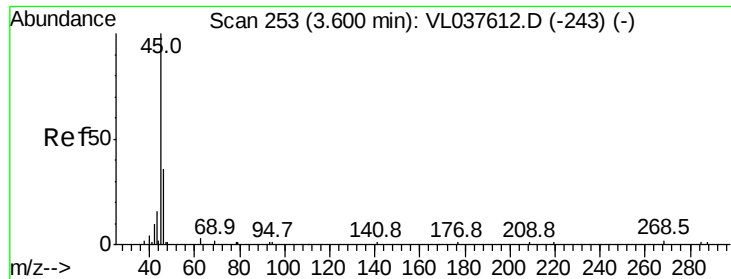
Tot Ion:101 Resp: 2185239
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.714 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion:101 Resp: 1592602
 Ion Ratio Lower Upper
 101 100
 151 78.5 63.5 95.3

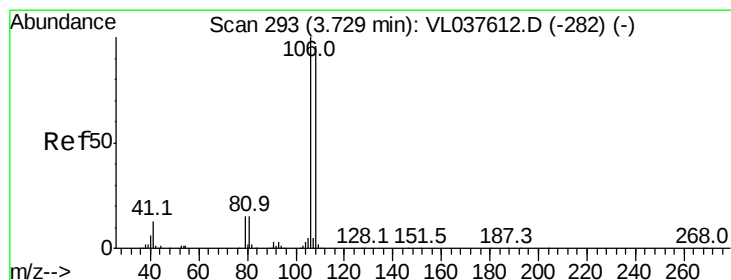
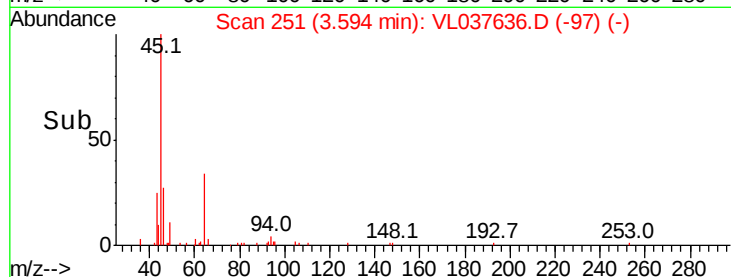
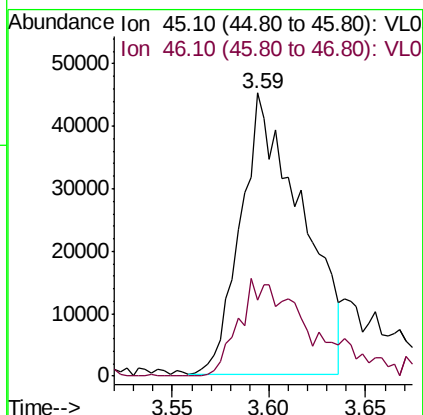
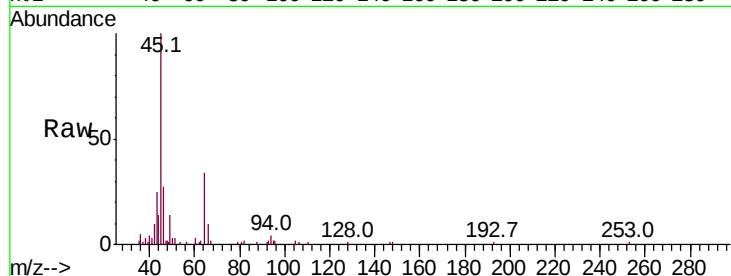




#13
Ethanol
Concen: 9.937 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

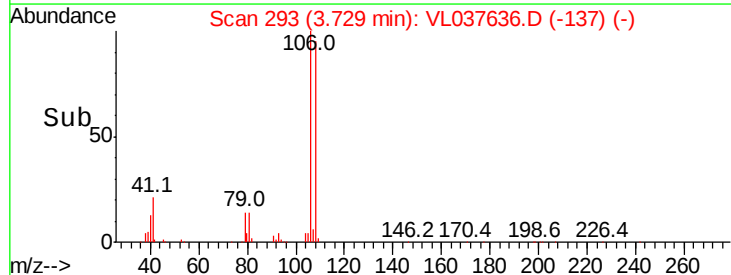
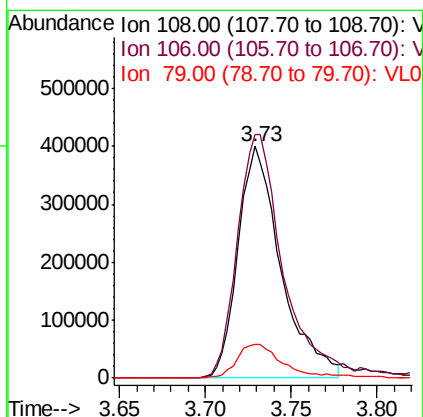
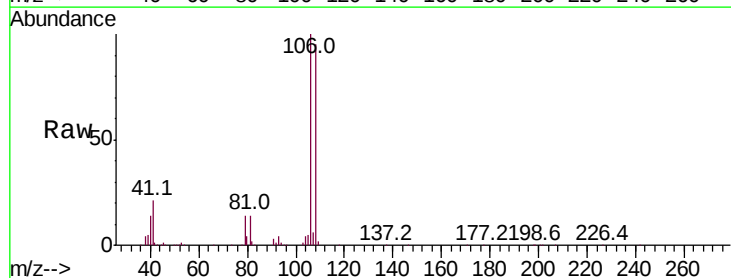
Instrument :
MSVOA_L
ClientSampleId :

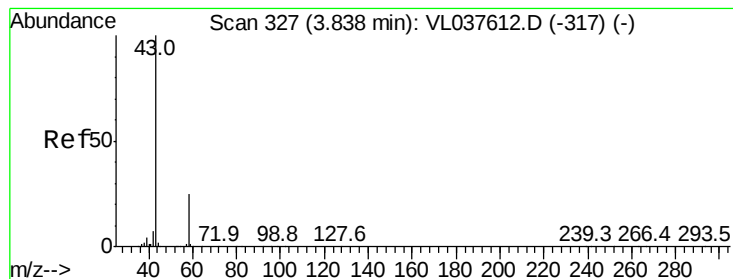
Tot Ion: 45 Resp: 98873
Ion Ratio Lower Upper
45 100
46 40.9 17.2 68.8



#14
Bromoethene
Concen: 9.322 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 108 Resp: 695722
Ion Ratio Lower Upper
108 100
106 115.1 88.2 132.4
79 16.5 12.8 19.2





#15

Acetone

Concen: 7.458 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

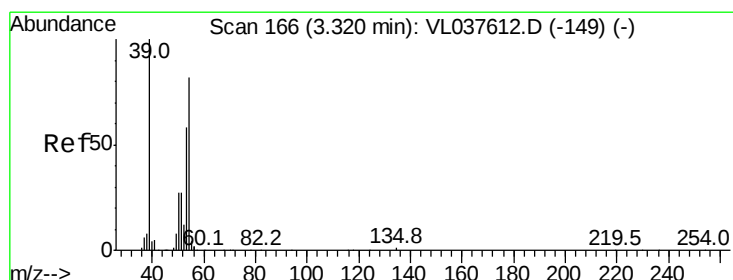
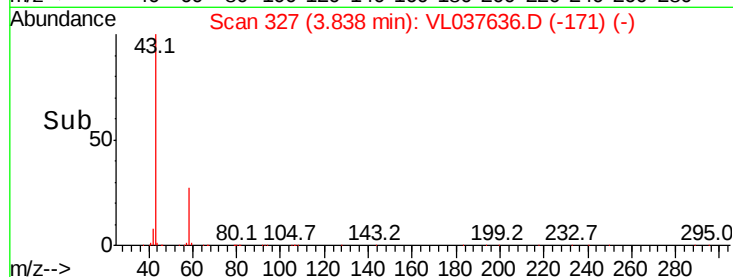
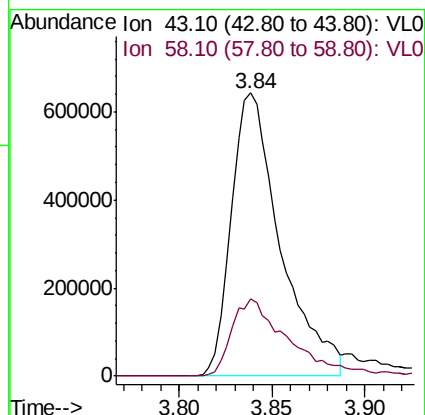
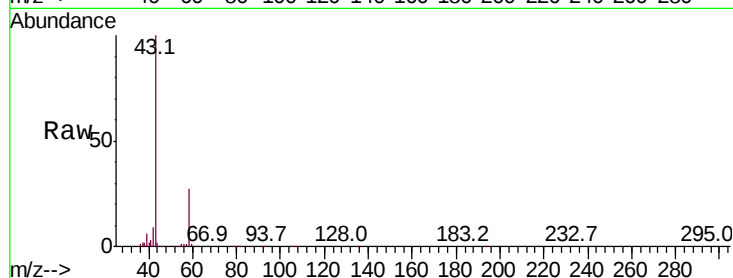
ClientSampleId :

Tot Ion: 43 Resp: 1184719

Ion Ratio Lower Upper

43 100

58 32.1 24.9 37.3



#16

1,3-Butadiene

Concen: 9.964 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037636.D

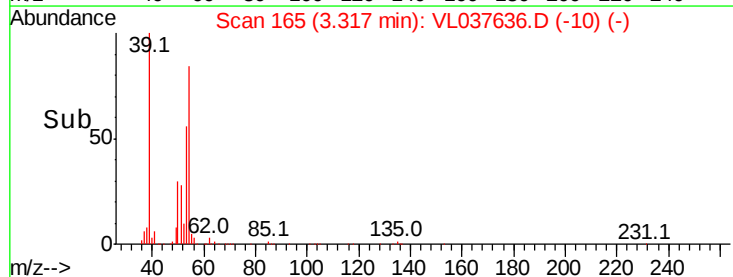
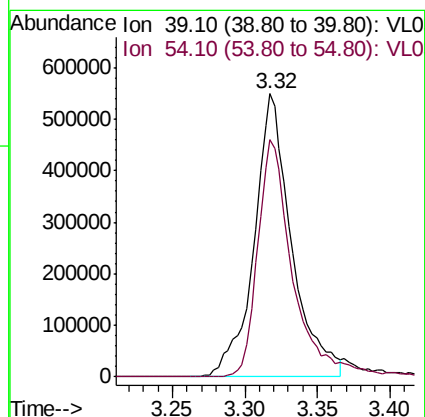
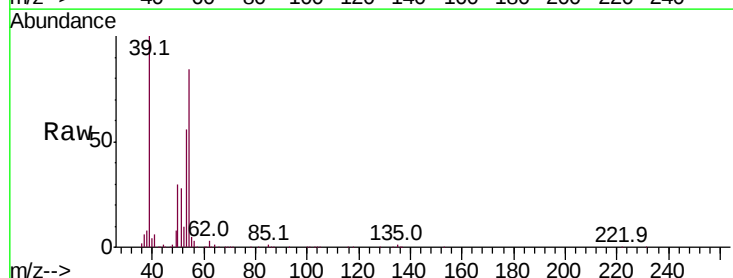
Acq: 17 Sep 2021 4:31

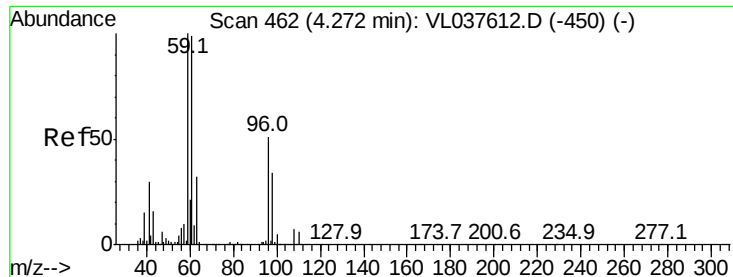
Tgt Ion: 39 Resp: 988996

Ion Ratio Lower Upper

39 100

54 80.1 62.6 93.8





#17

tert-Butyl alcohol
Concen: 10.868 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

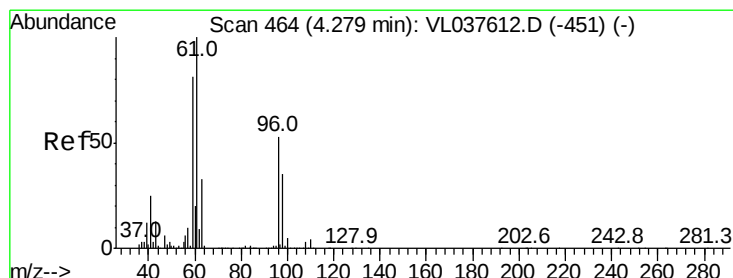
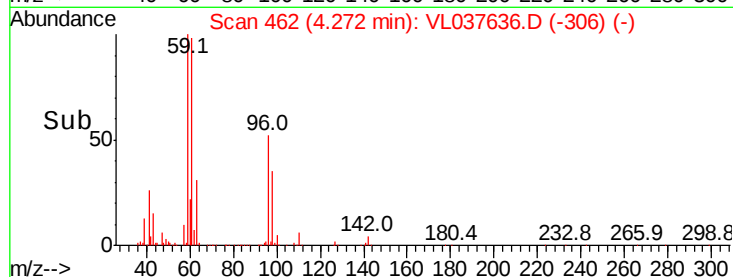
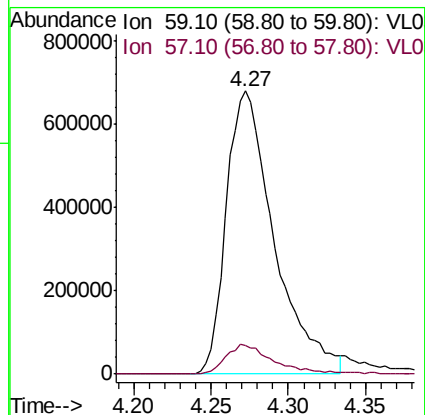
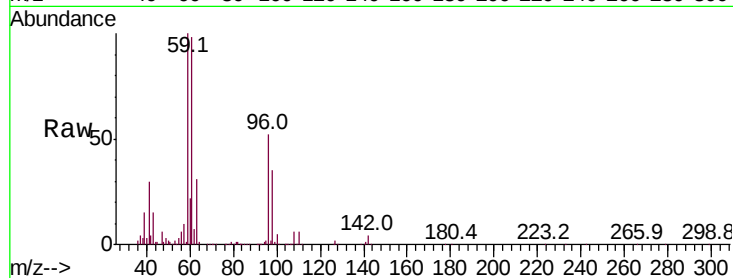
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 59 Resp: 1463859

Ion Ratio Lower Upper

59 100

57 11.0 8.4 12.6



#18

1,1-Dichloroethene
Concen: 9.460 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

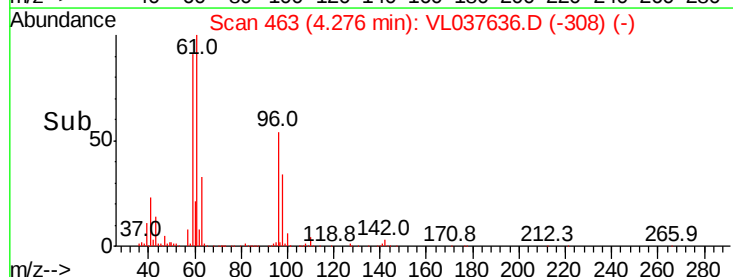
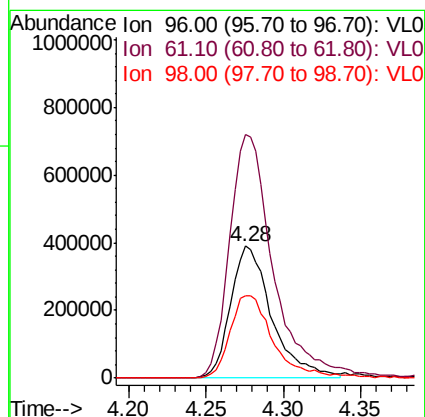
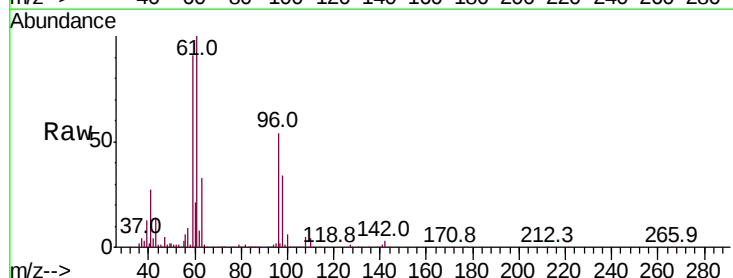
Tgt Ion: 96 Resp: 722489

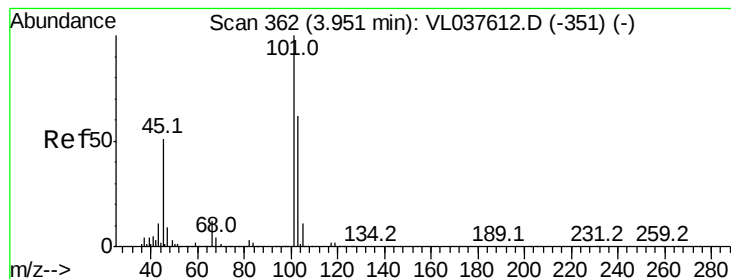
Ion Ratio Lower Upper

96 100

61 184.9 150.4 225.6

98 62.0 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.193 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

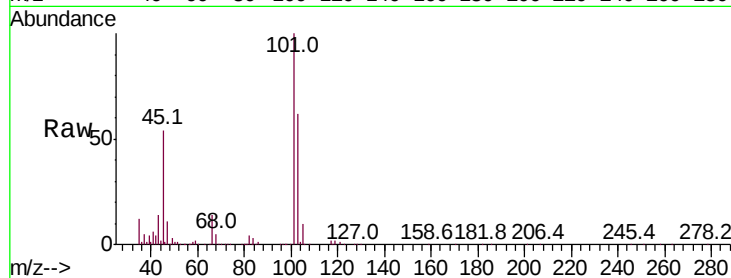
ClientSampled :

Tot Ion: 45 Resp: 880972

Ion Ratio Lower Upper

45 100

58 3.7 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

300000

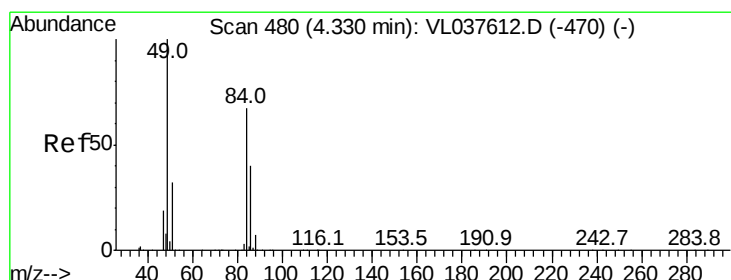
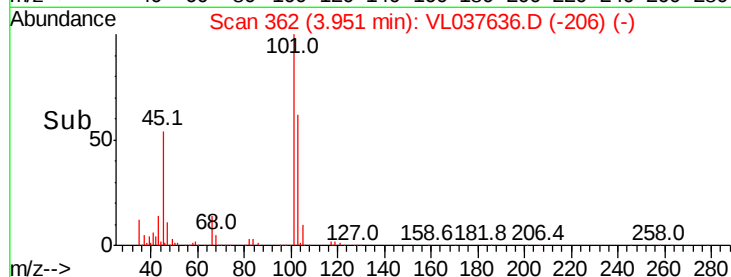
200000

100000

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 7.683 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion: 84 Resp: 582630

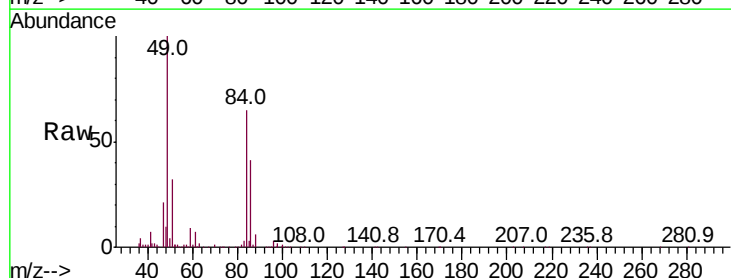
Ion Ratio Lower Upper

84 100

49 153.7 120.0 180.0

51 48.7 38.0 57.0

86 63.4 48.2 72.2



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

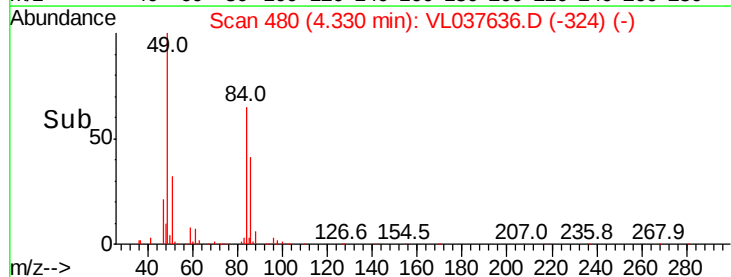
400000

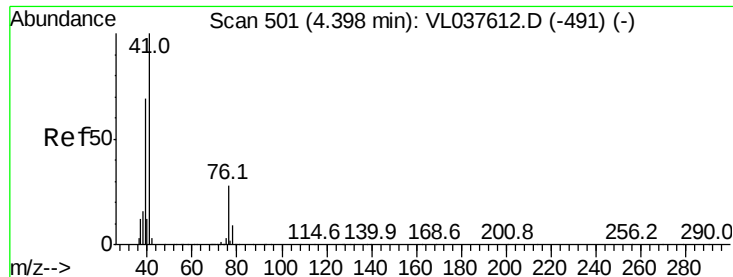
200000

0

Time-->

4.30 4.35

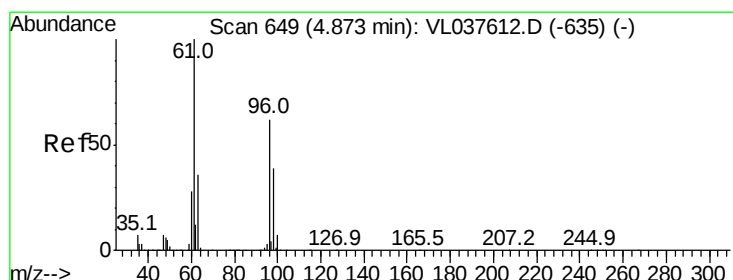
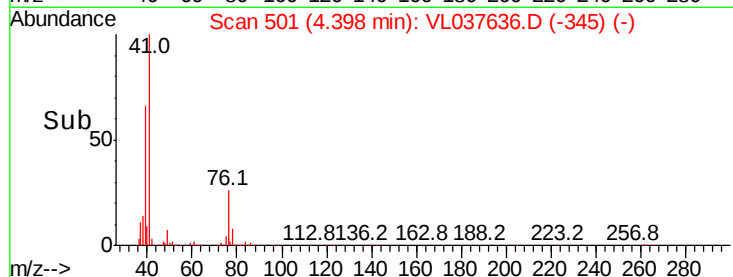
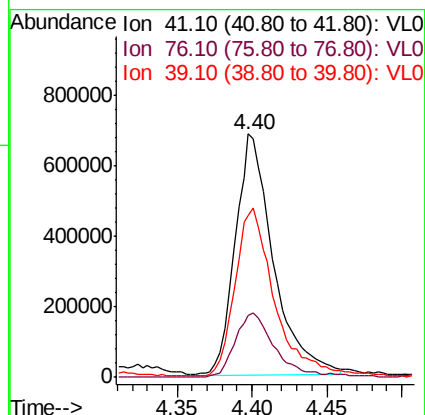
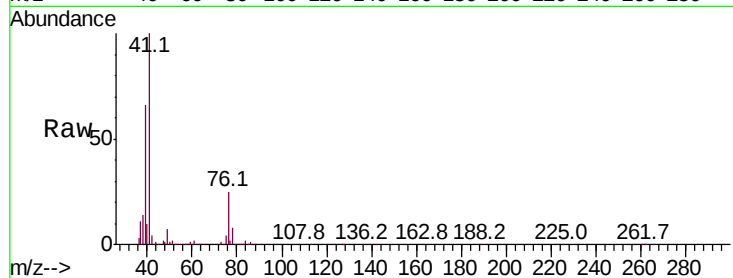




#21
Allvl Chloride
Concen: 10.213 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

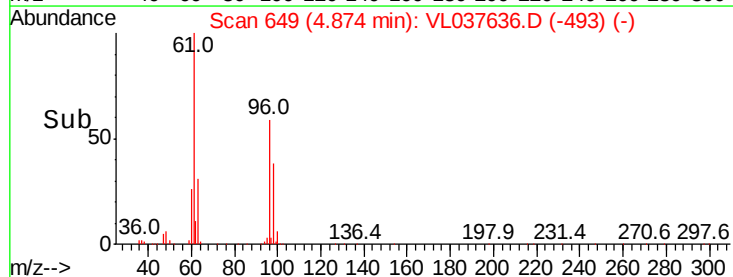
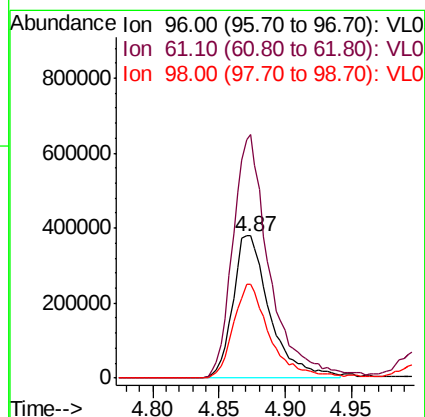
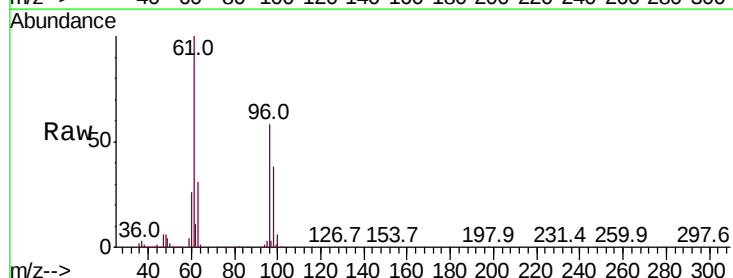
Instrument :
MSVOA_L
ClientSampleId :

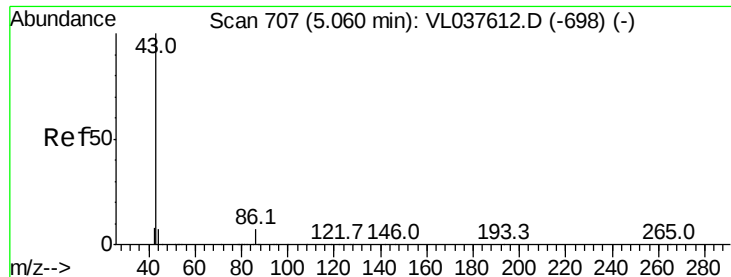
Tot Ion: 41 Resp: 1211966
Ion Ratio Lower Upper
41 100
76 28.1 23.1 34.7
39 73.3 61.0 91.6



#22
trans-1,2-Dichloroethene
Concen: 9.582 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 96 Resp: 736293
Ion Ratio Lower Upper
96 100
61 171.1 129.2 193.8
98 65.6 50.4 75.6





#23

Vinyl Acetate

Concen: 11.294 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2482468

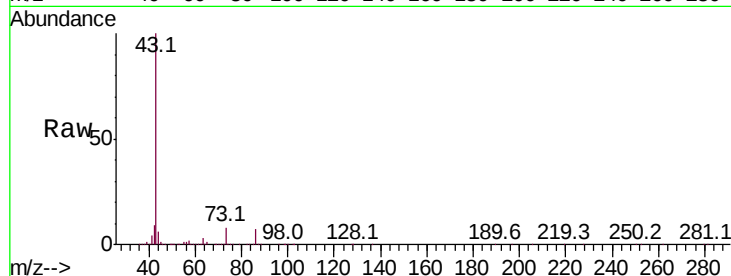
Ion Ratio Lower Upper

43 100

86 6.9 5.0 7.6

42 9.3 7.5 11.3

44 4.9 4.7 7.1

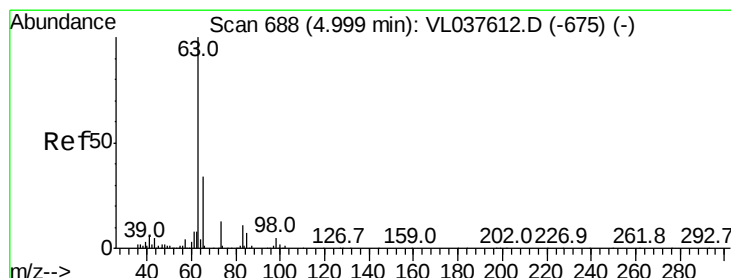
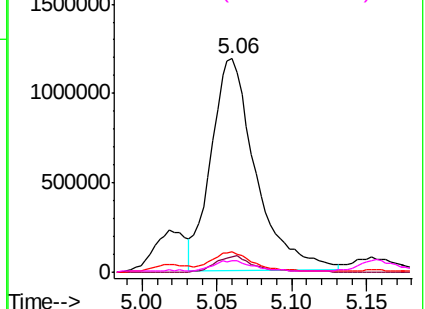
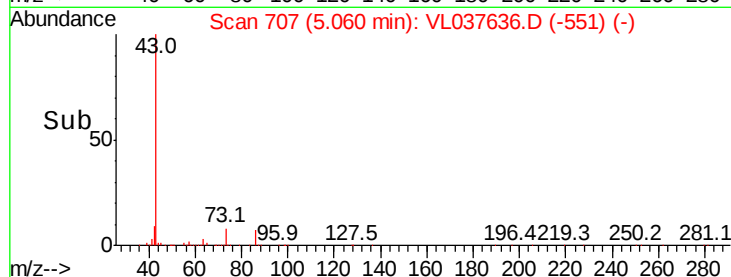


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.050 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

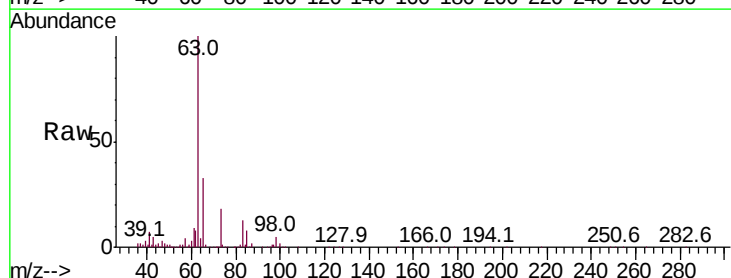
Tgt Ion: 63 Resp: 1582521

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

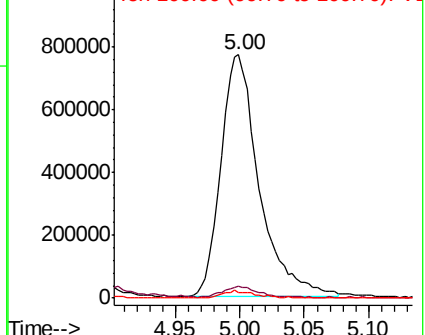
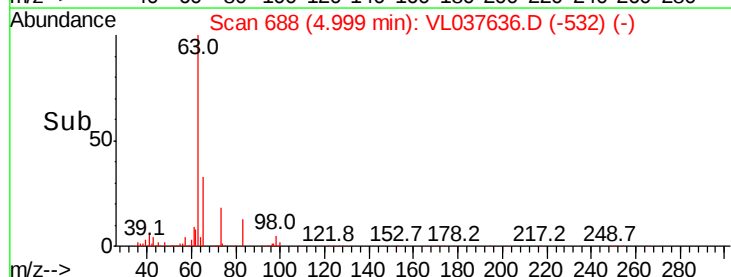
100 2.3 1.1 3.5

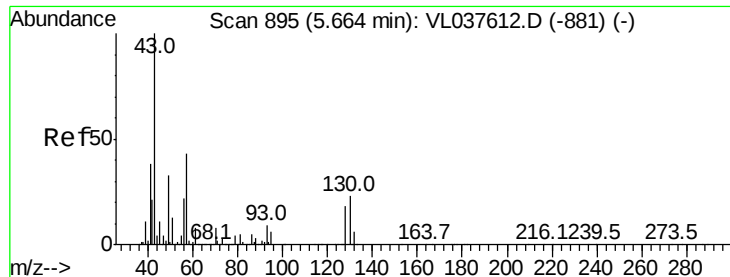


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



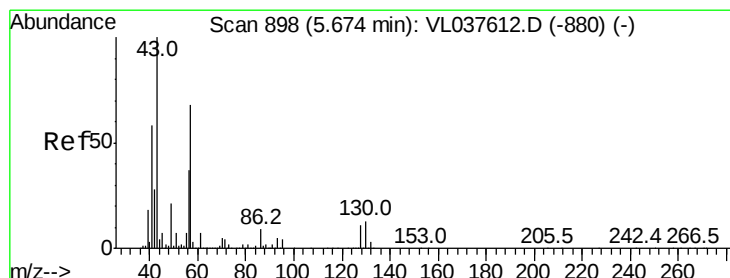
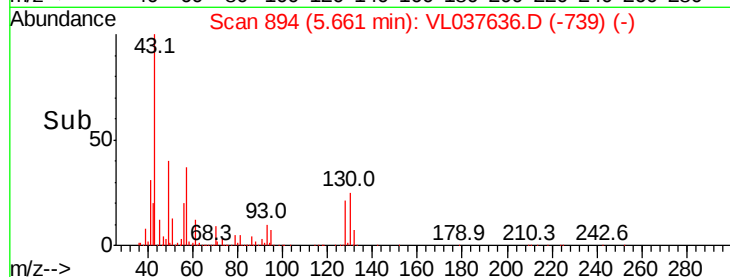
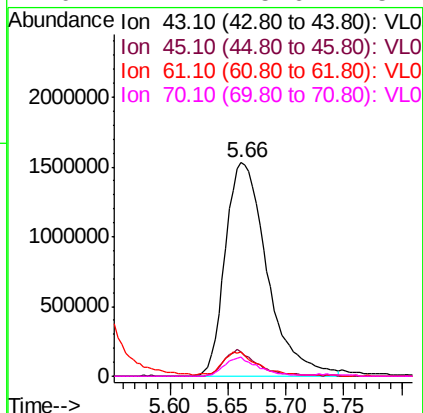
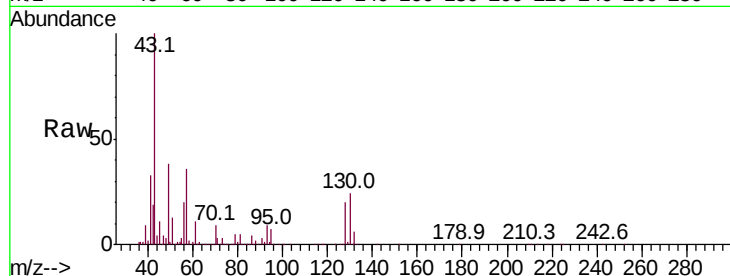


#25
Ethyl Acetate
Concen: 9.919 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3816098

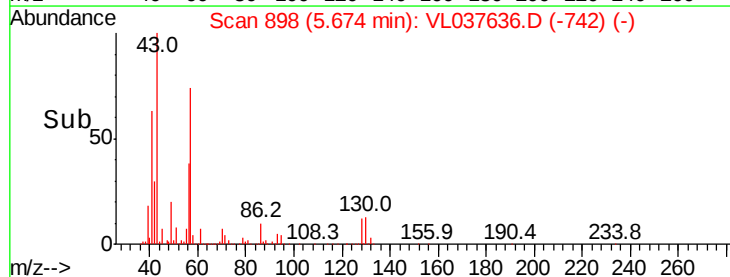
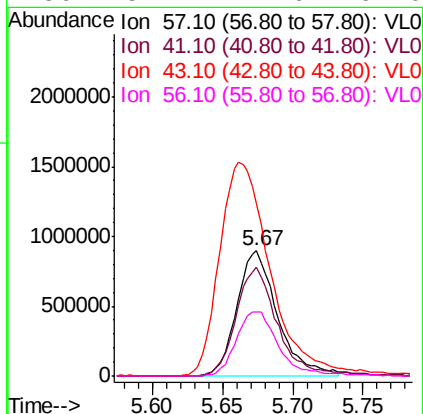
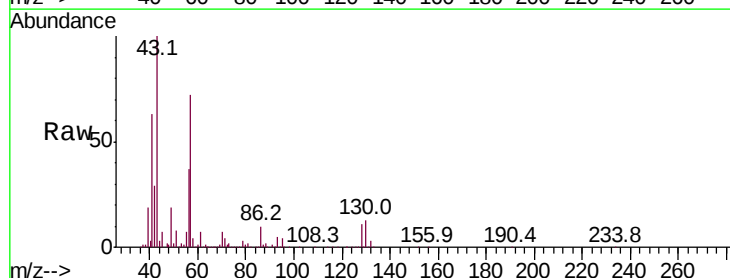
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	10.2	7.5	11.3
70	7.2	5.6	8.4

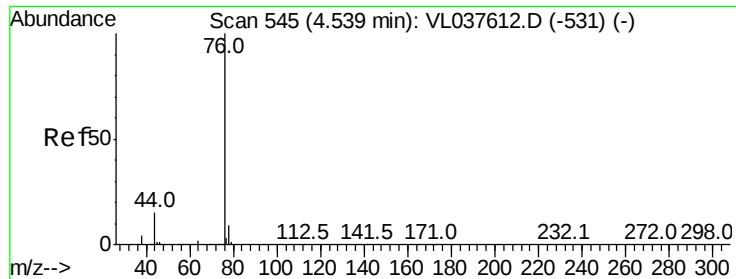


#26
Hexane
Concen: 9.887 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 57 Resp: 1806869

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.9	106.3
43	215.9	170.4	255.6
56	54.4	42.6	64.0





#27

Carbon Disulfide

Concen: 10.439 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampled :

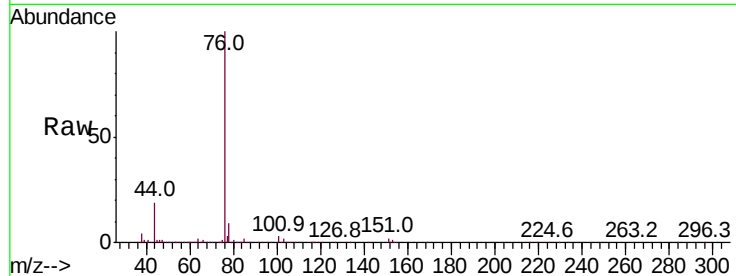
Tot Ion: 76 Resp: 1745279

Ion Ratio Lower Upper

76 100

44 17.9 14.2 21.2

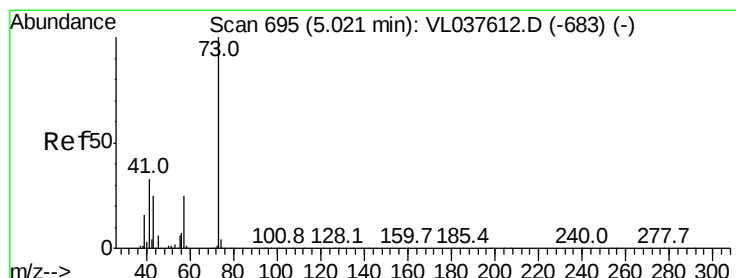
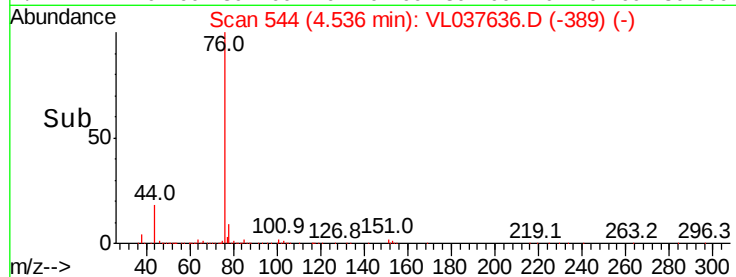
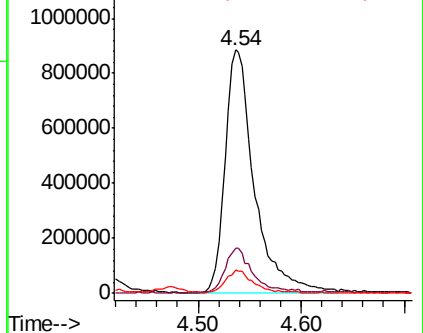
78 9.4 7.4 11.0



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: 11.812 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037636.D

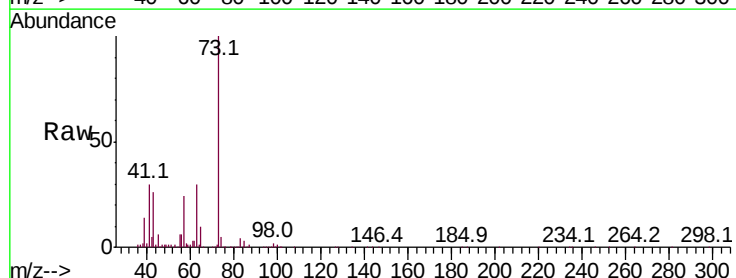
Acq: 17 Sep 2021 4:31

Tgt Ion: 73 Resp: 1901369

Ion Ratio Lower Upper

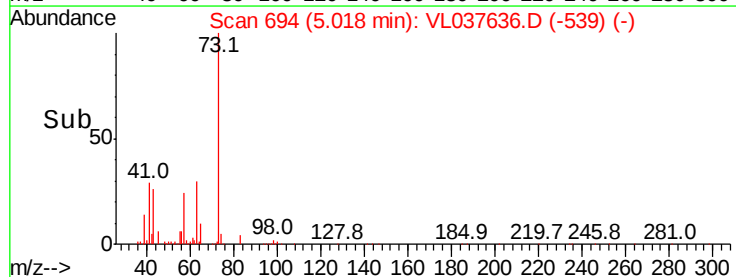
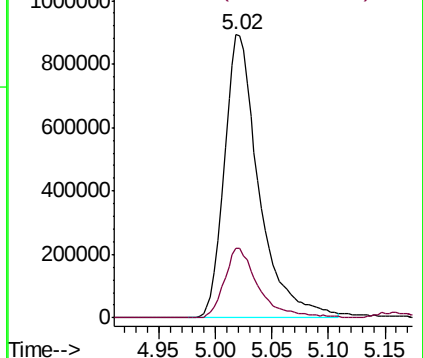
73 100

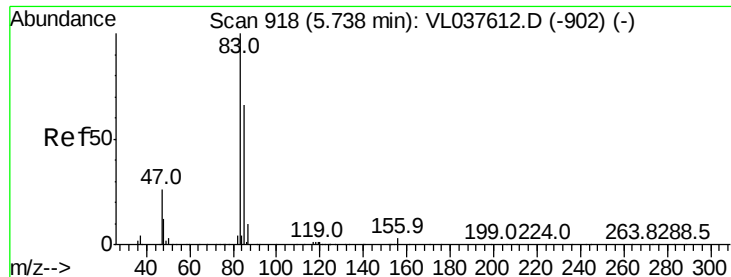
57 24.3 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

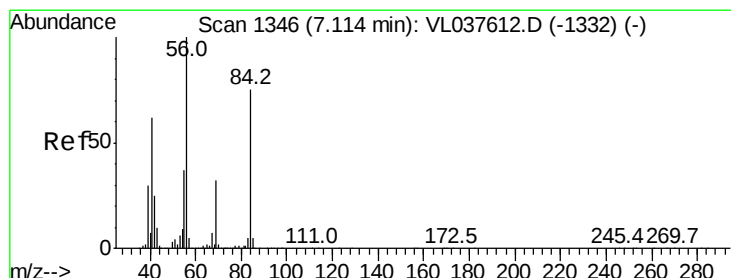
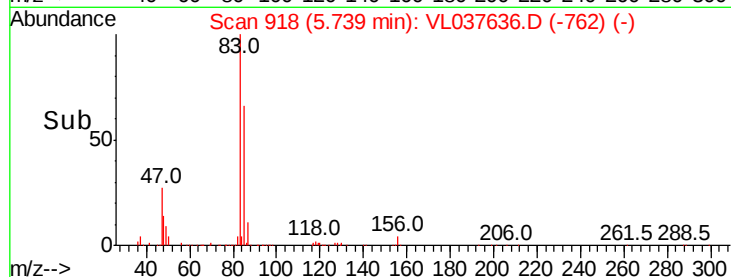
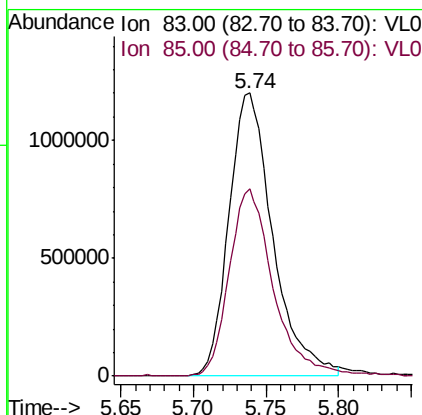
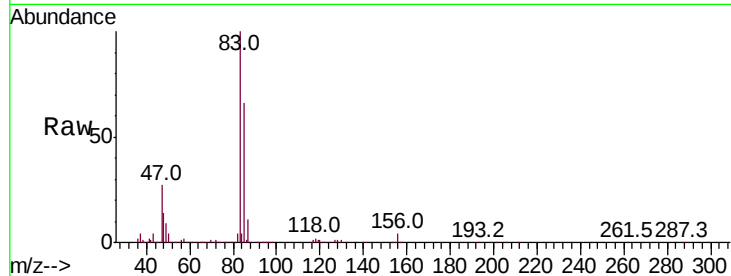




#29
Chloroform
Concen: 9.458 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

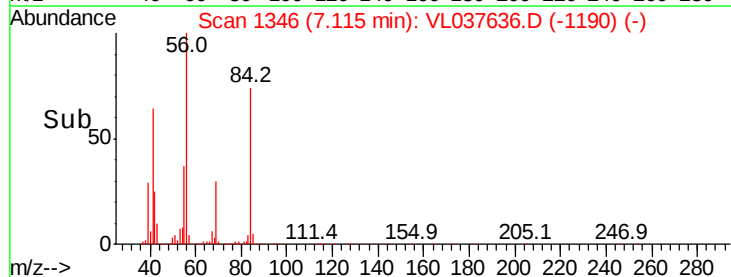
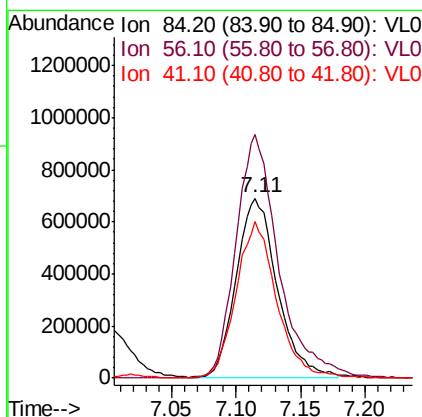
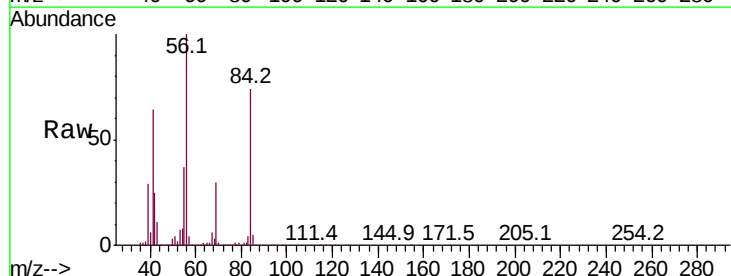
Instrument :
MSVOA_L
ClientSampleId :

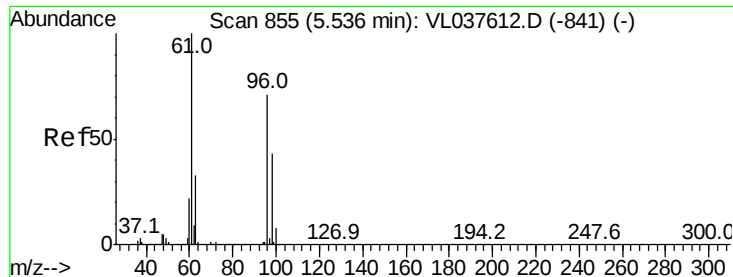
Tot Ion: 83 Resp: 2523864
Ion Ratio Lower Upper
83 100
85 66.2 52.6 79.0



#30
Cyclohexane
Concen: 9.762 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 84 Resp: 1525870
Ion Ratio Lower Upper
84 100
56 142.0 113.6 170.4
41 86.7 67.9 101.9





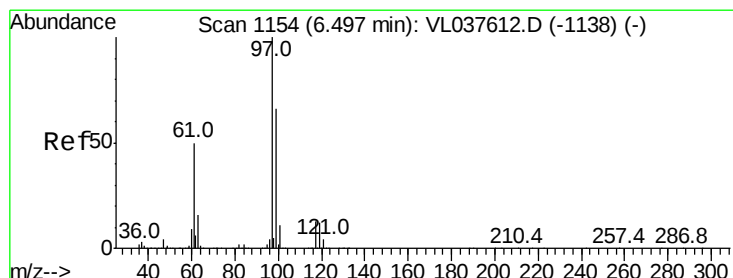
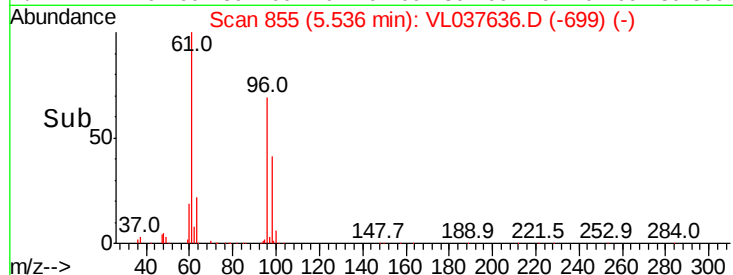
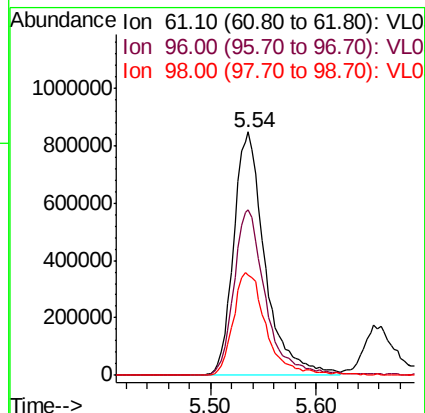
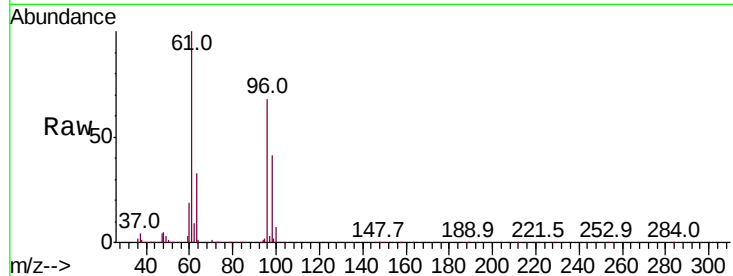
#31

cis-1,2-Dichloroethene
 Concen: 10.479 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 61 Resp: 1738577

Ion	Ratio	Lower	Upper
61	100		
96	67.9	56.7	85.1
98	41.2	34.6	52.0

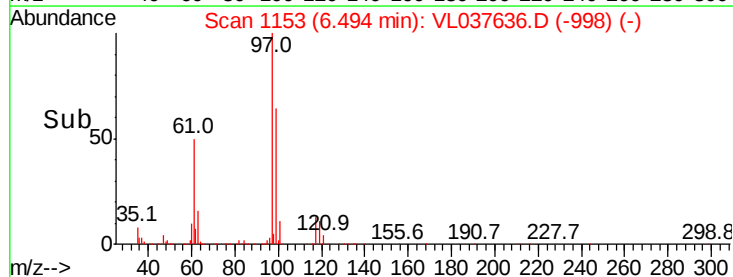
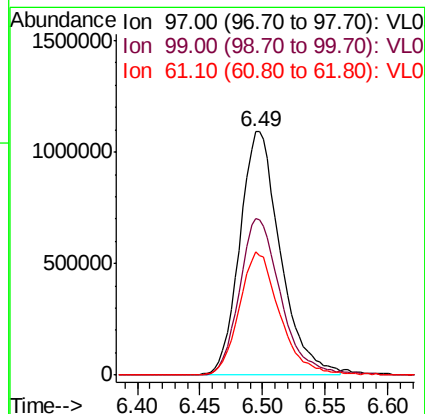
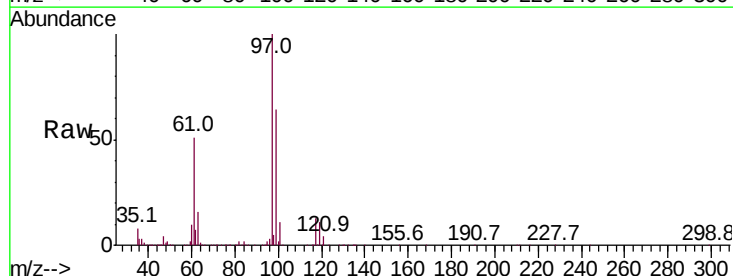


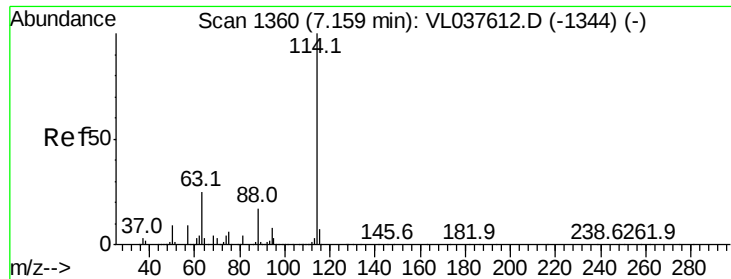
#32

1,1,1-Trichloroethane
 Concen: 9.899 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion: 97 Resp: 2459301

Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	50.3	39.5	59.3

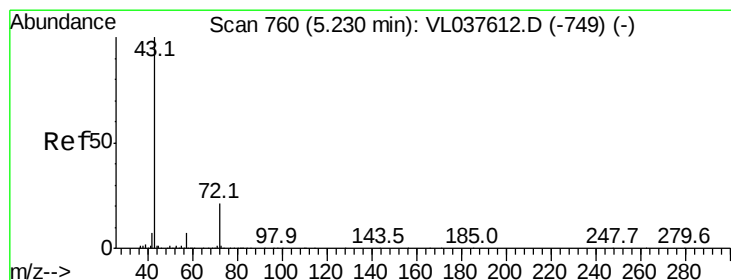
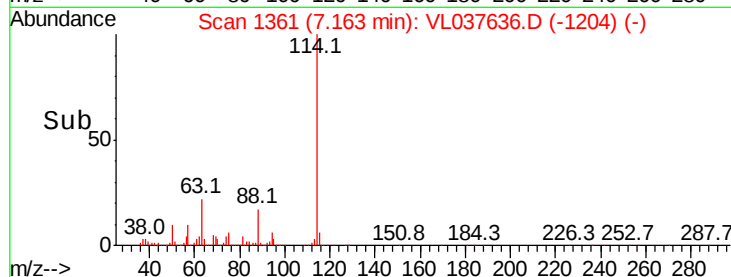
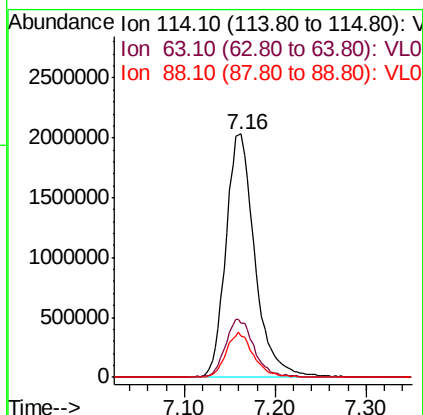
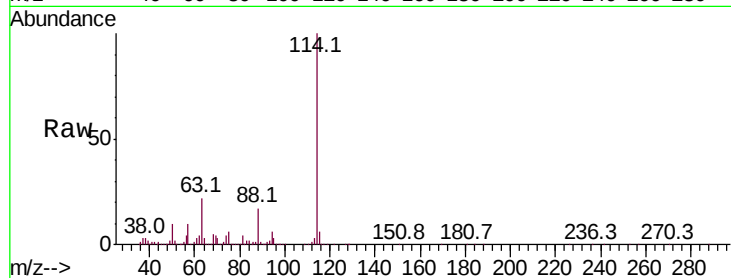




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

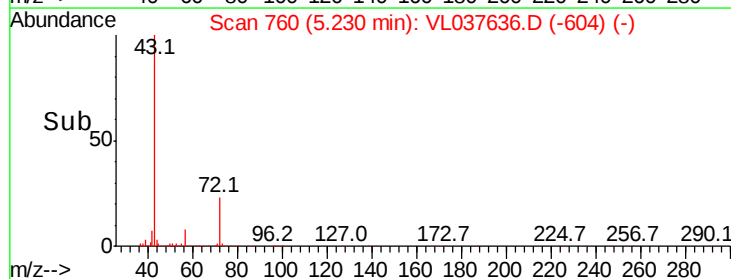
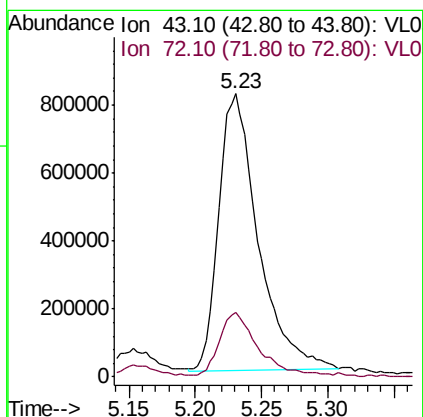
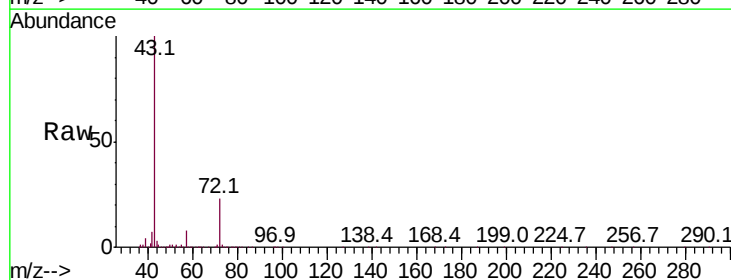
Instrument :
 MSVOA_L
 ClientSampleId :

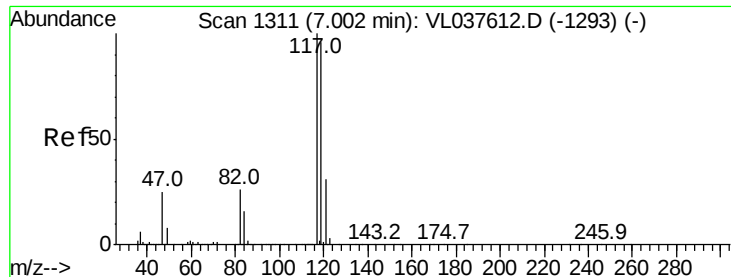
Tot Ion:114 Resp: 4498512
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.6 29.4
 88 17.6 14.2 21.4



#34
 2-Butanone
 Concen: 9.261 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion: 43 Resp: 1692949
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.026 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

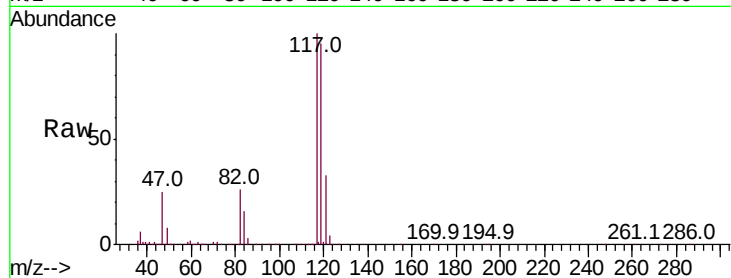
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:117 Resp: 2551271

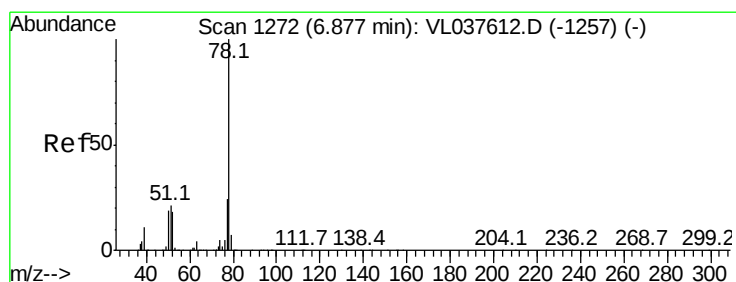
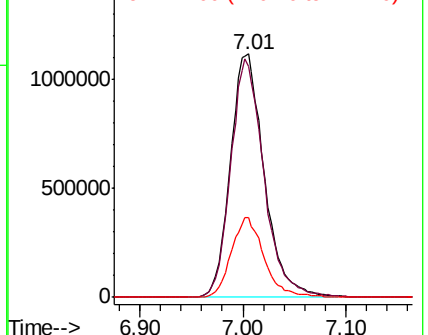
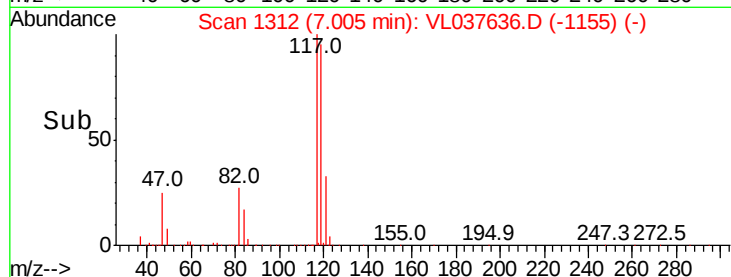
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	32.8	24.5	36.7



Abundance Ion 117.00 (116.70 to 117.70): V

1500000 Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.102 ppbv

RT: 6.88 min Scan# 1272

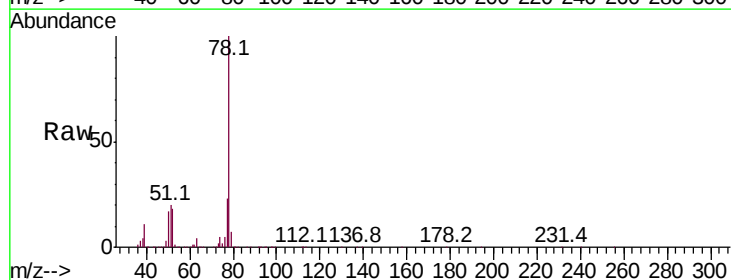
Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion: 78 Resp: 3789346

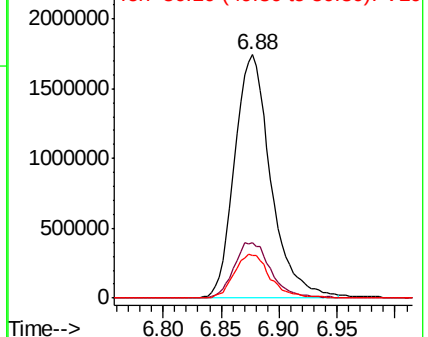
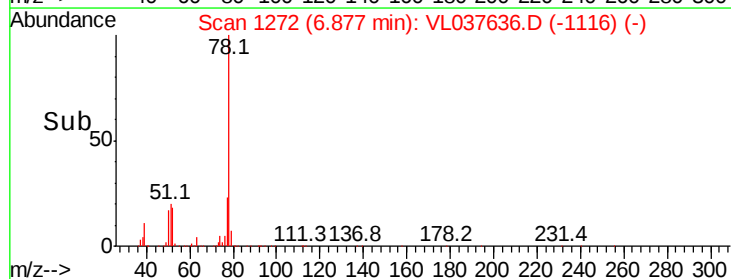
Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4
50	17.5	14.8	22.2

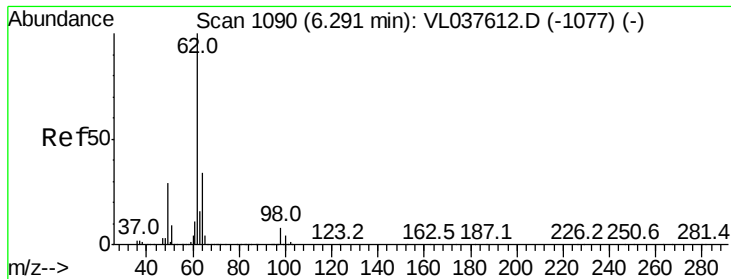


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.854 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

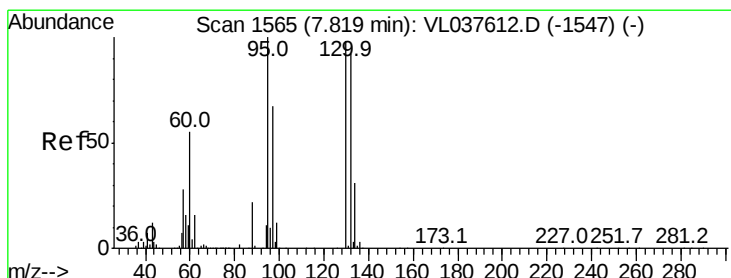
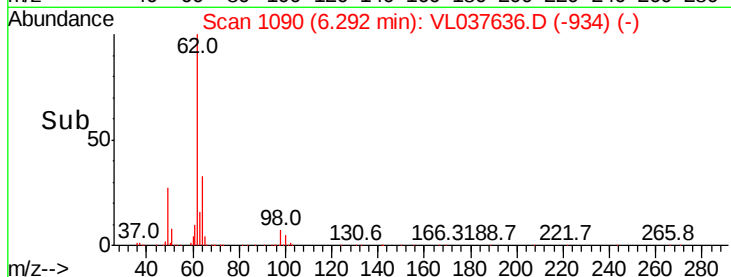
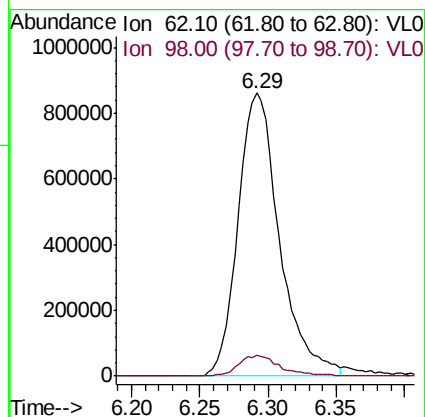
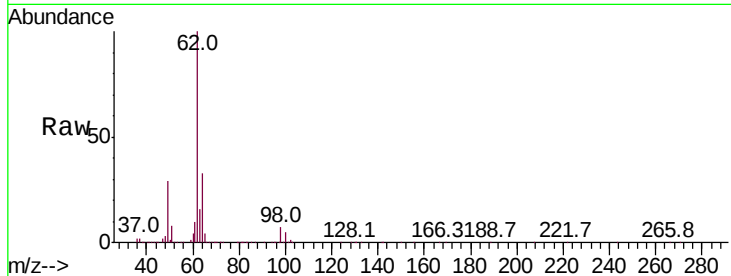
ClientSampleId :

Tot Ion: 62 Resp: 1817941

Ion Ratio Lower Upper

62 100

98 7.5 6.1 9.1



#38

Trichloroethene

Concen: 9.359 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion: 130 Resp: 1466556

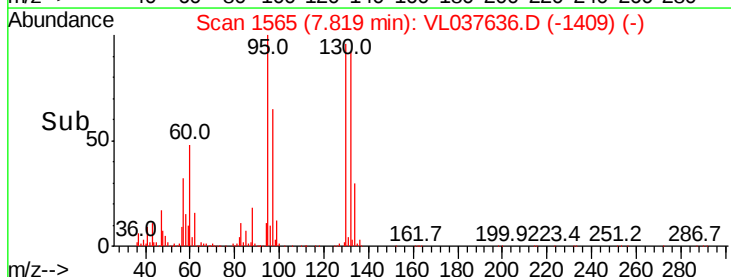
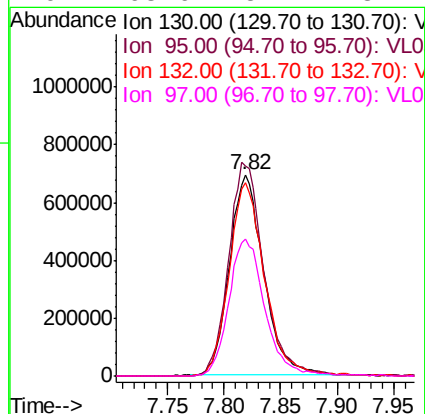
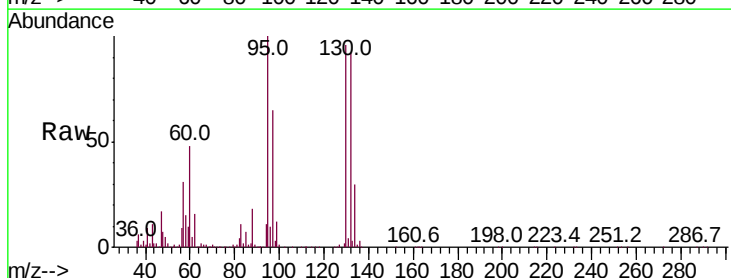
Ion Ratio Lower Upper

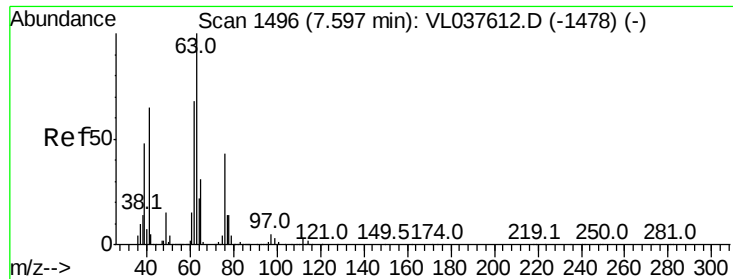
130 100

95 105.0 81.8 122.6

132 96.2 75.3 112.9

97 68.6 54.7 82.1



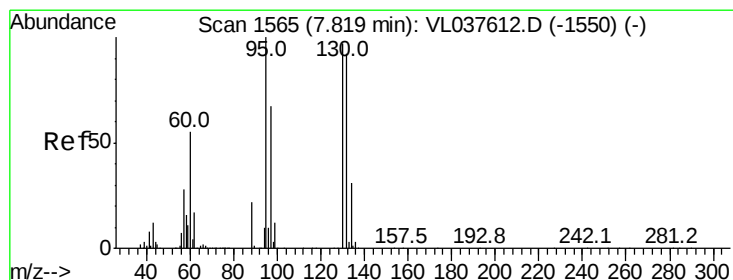
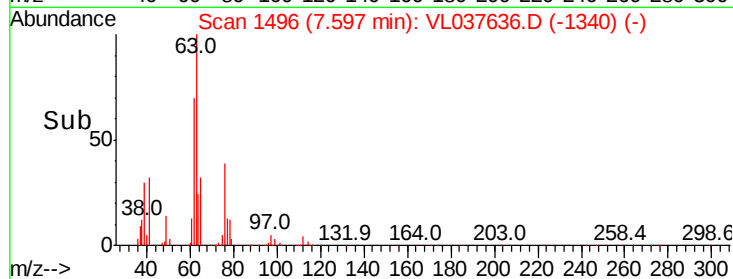
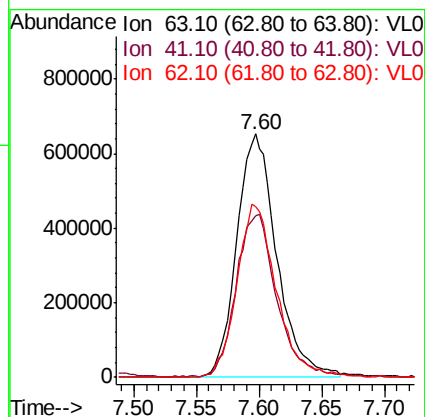
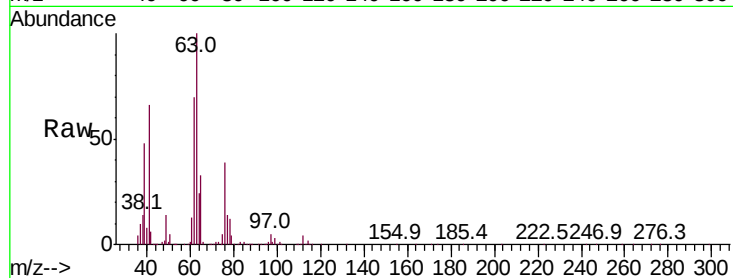


#39
 1,2-Dichloropropane
 Concen: 10.078 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1448002

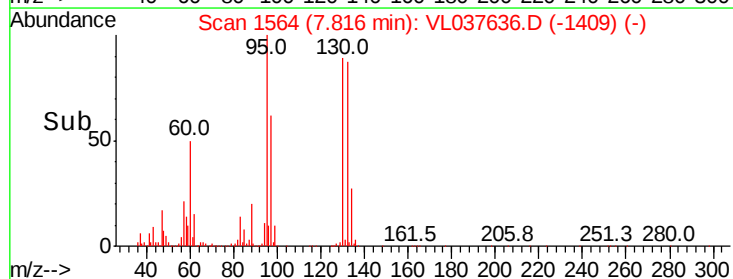
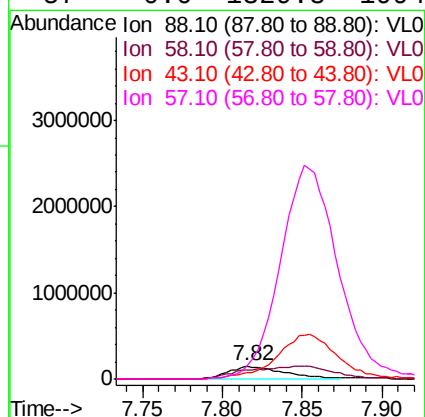
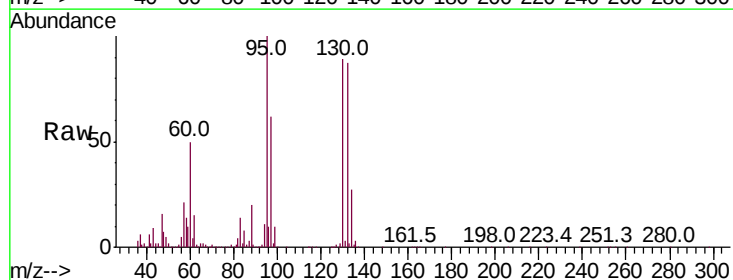
Ion	Ratio	Lower	Upper
63	100		
41	65.7	51.6	77.4
62	70.1	54.6	81.8

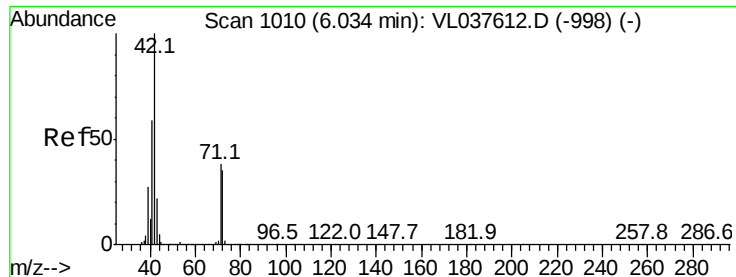


#40
 1,4-Dioxane
 Concen: 9.827 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion: 88 Resp: 343428

Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





#41

Tetrahydrofuran

Concen: 10.683 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

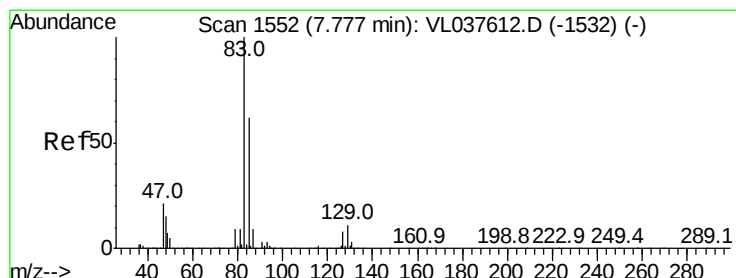
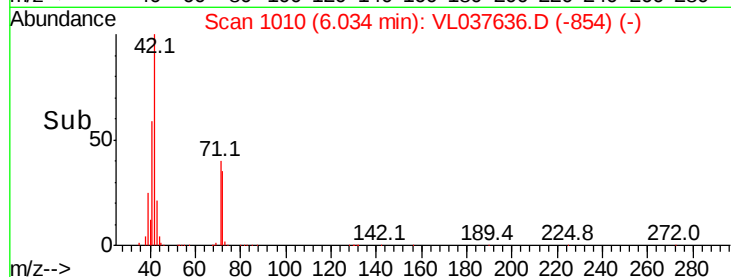
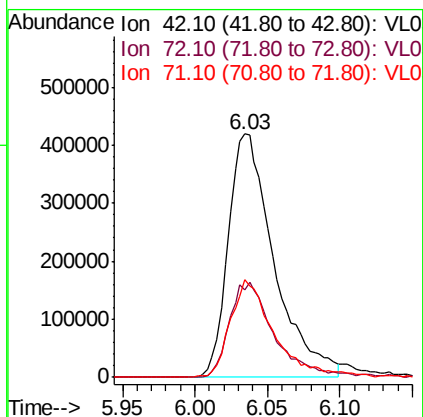
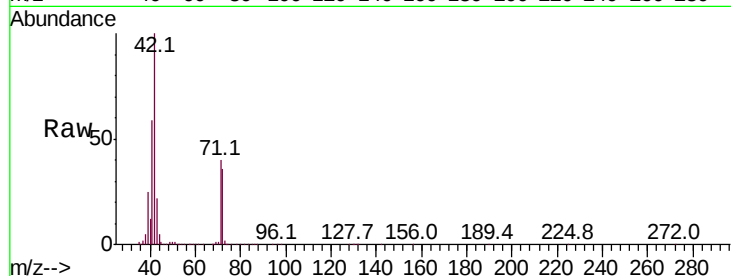
Tot Ion: 42 Resp: 918046

Ion Ratio Lower Upper

42 100

72 38.7 31.4 47.2

71 38.5 30.6 46.0



#42

Bromodichloromethane

Concen: 10.290 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

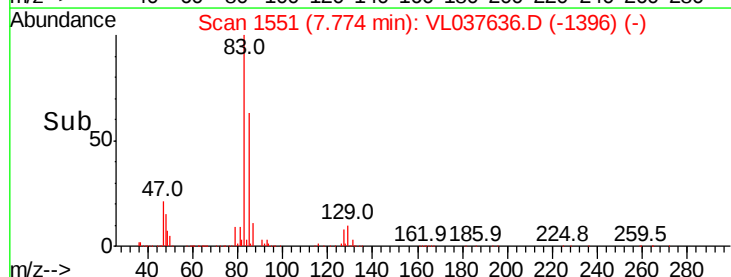
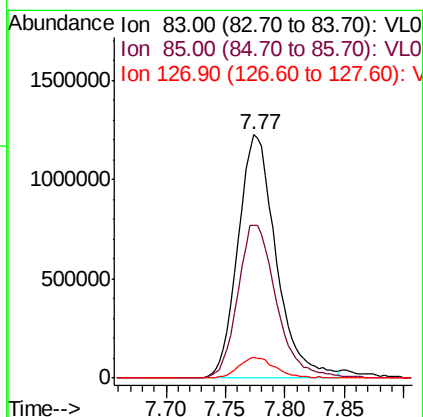
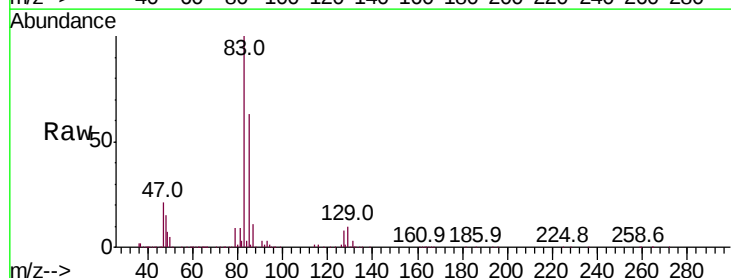
Tgt Ion: 83 Resp: 2720932

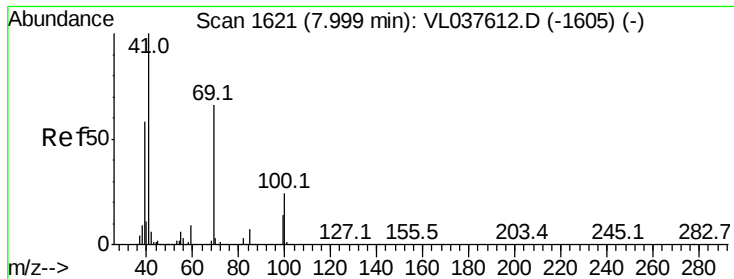
Ion Ratio Lower Upper

83 100

85 62.8 49.8 74.6

127 8.3 6.4 9.6

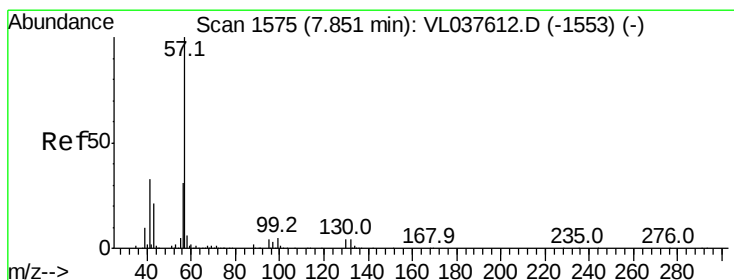
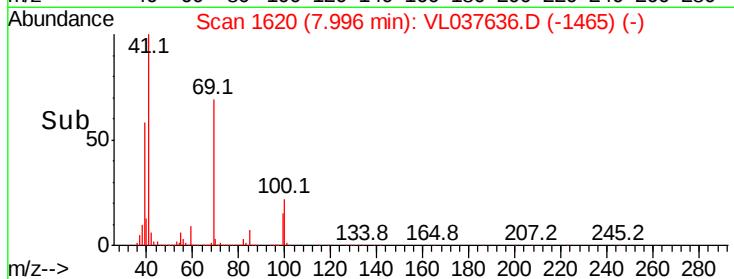
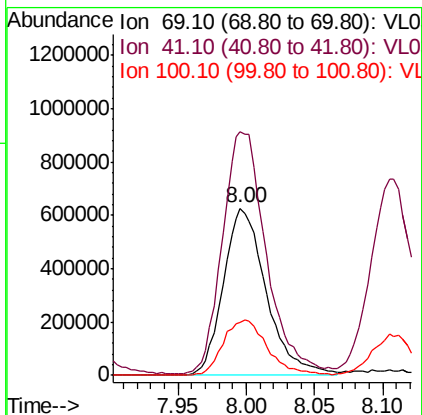
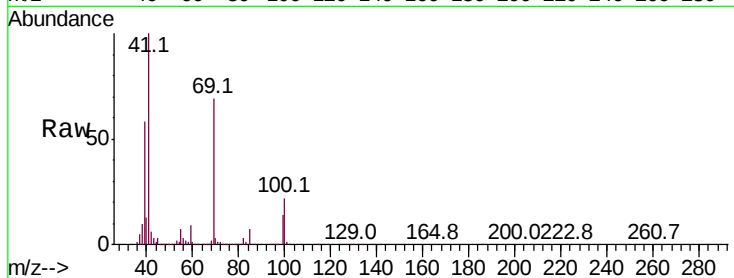




#43
Methvl Methacrilate
Concen: 10.858 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

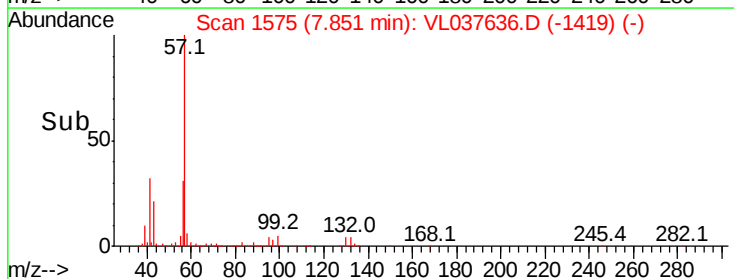
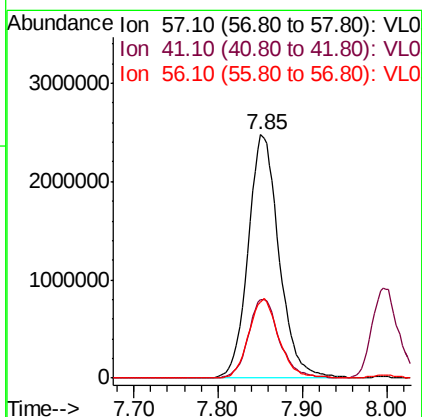
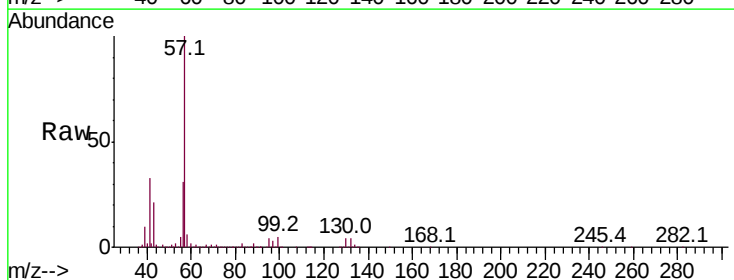
Instrument :
MSVOA_L
ClientSampleId :

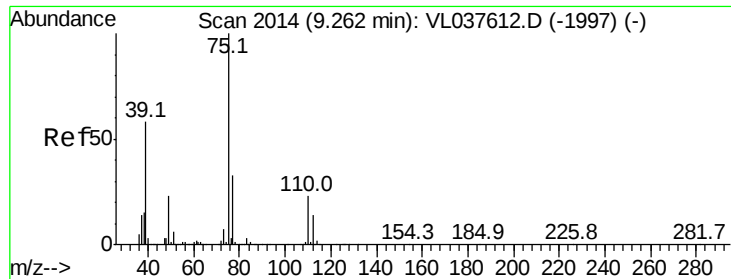
Tot Ion: 69 Resp: 1355043
Ion Ratio Lower Upper
69 100
41 151.1 119.0 178.4
100 34.6 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.991 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 57 Resp: 6300812
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.832 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

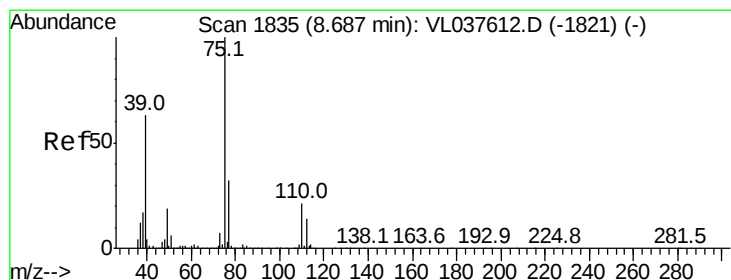
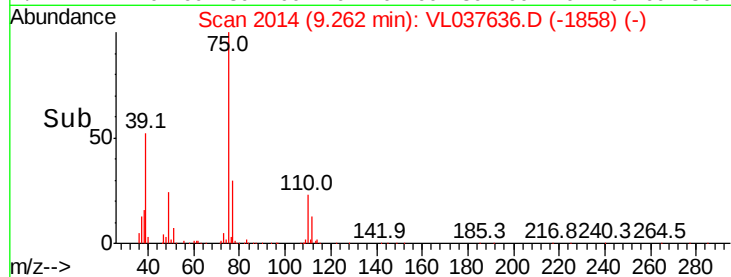
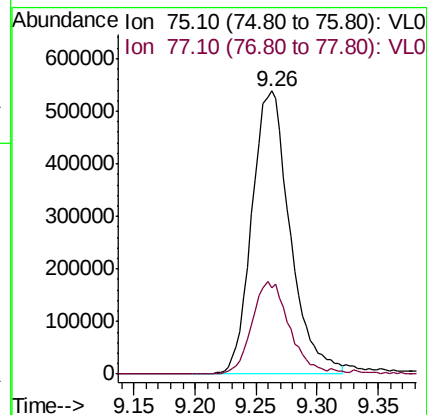
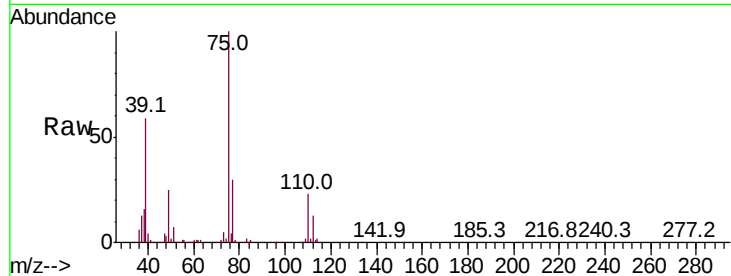
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1159819

Ion Ratio Lower Upper

75 100

77 30.3 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 11.590 ppbv

RT: 8.68 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

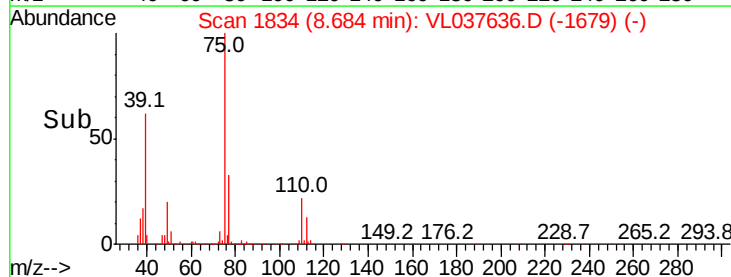
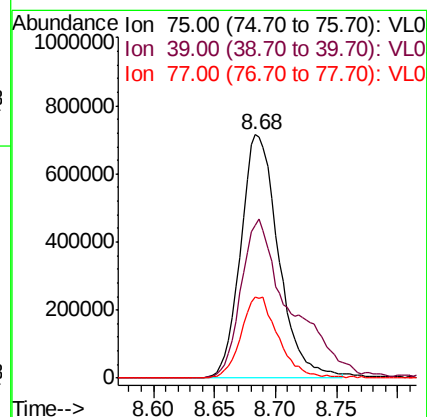
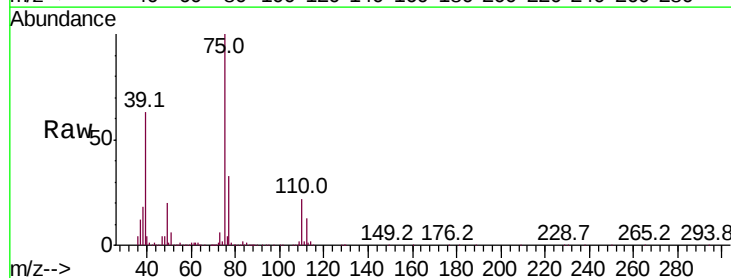
Tgt Ion: 75 Resp: 1534647

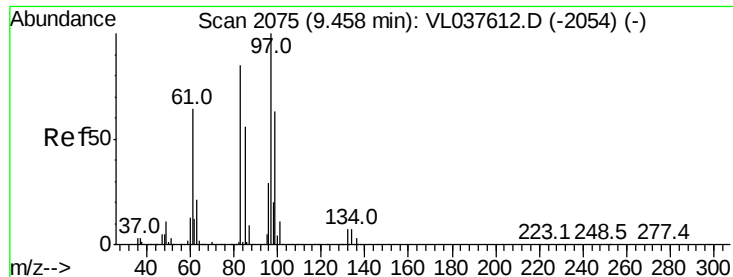
Ion Ratio Lower Upper

75 100

39 62.5 50.2 75.4

77 33.3 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.501 ppbv

RT: 9.46 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1509968

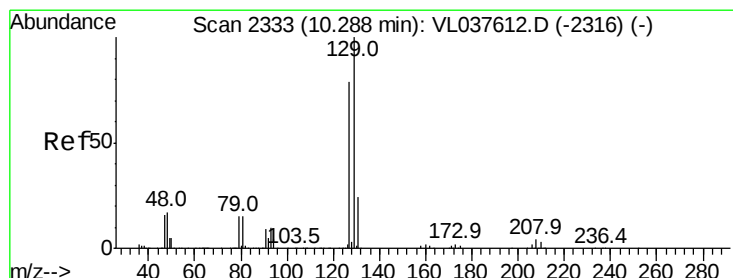
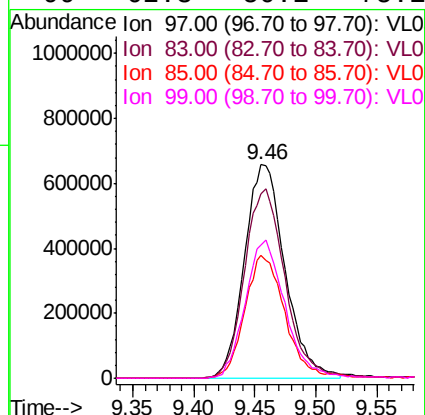
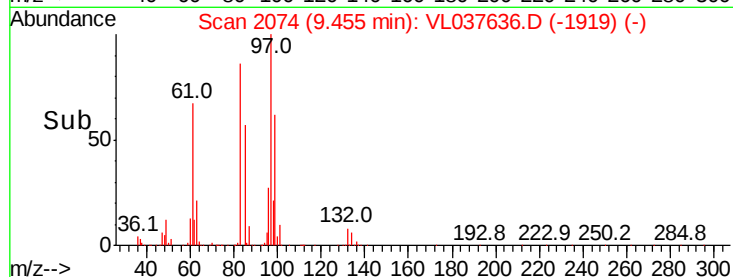
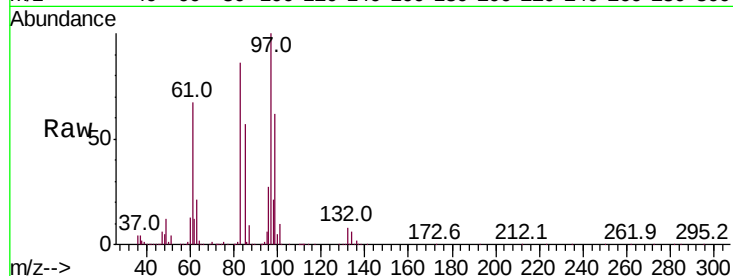
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.9	101.9
85	57.4	44.8	67.2
99	62.3	50.1	75.1

97 100

83 86.5 67.9 101.9

85 57.4 44.8 67.2

99 62.3 50.1 75.1



#48

Dibromochloromethane

Concen: 10.445 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037636.D

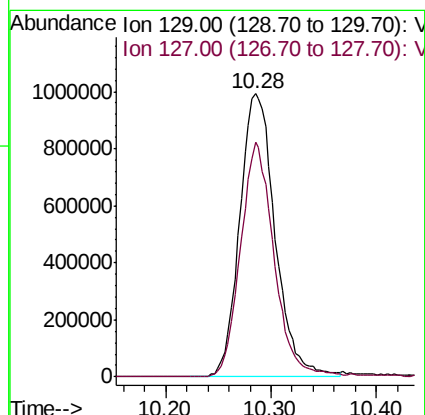
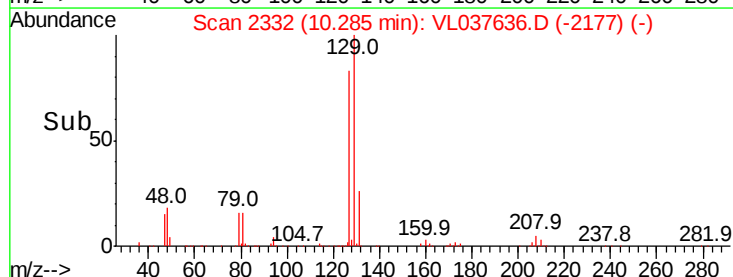
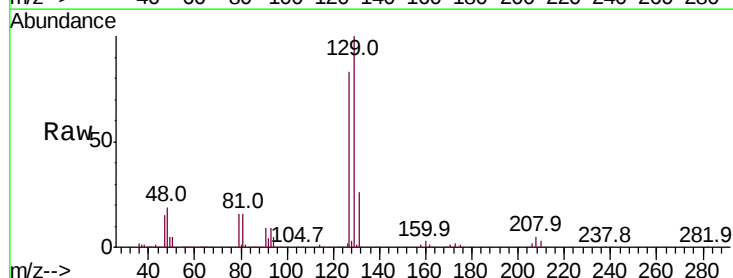
Acq: 17 Sep 2021 4:31

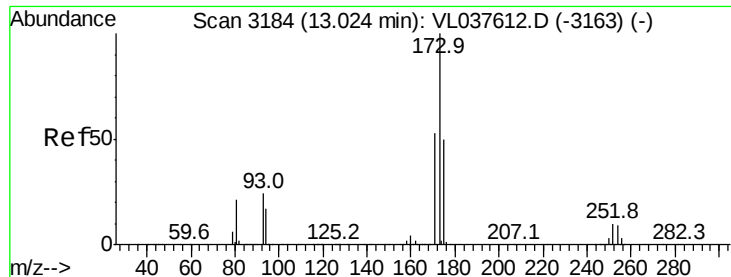
Tgt Ion: 129 Resp: 2315861

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.3	117.8

129 100

127 79.4 39.3 117.8





#49

Bromoform

Concen: 9.907 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

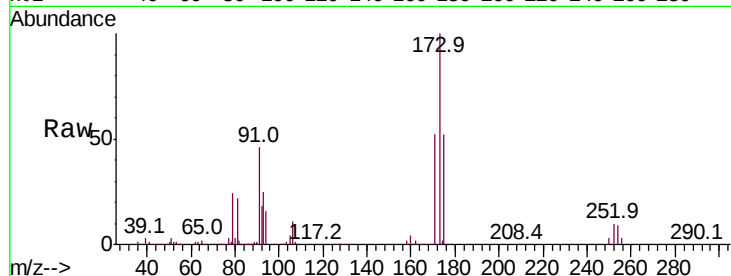
Tot Ion:173 Resp: 1758009

Ion Ratio Lower Upper

173 100

175 53.7 39.8 59.8

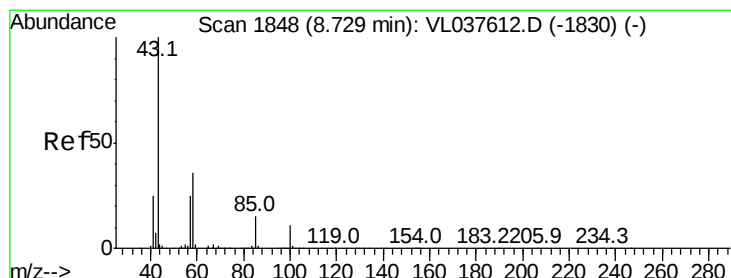
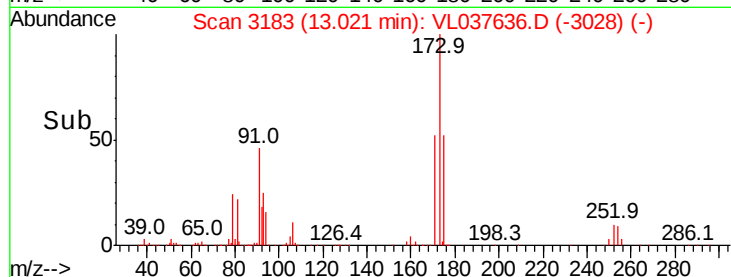
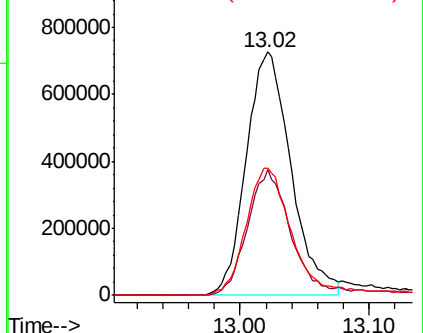
171 56.5 42.2 63.4



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: 10.329 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL037636.D

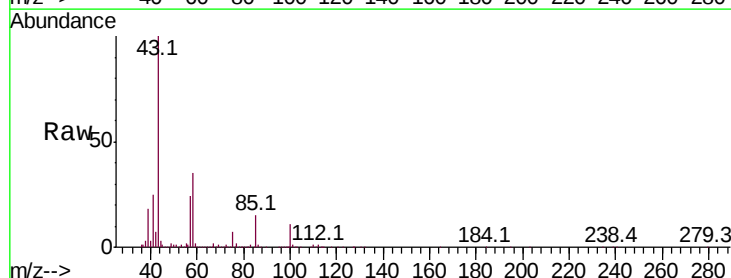
Acq: 17 Sep 2021 4:31

Tgt Ion: 43 Resp: 2396575

Ion Ratio Lower Upper

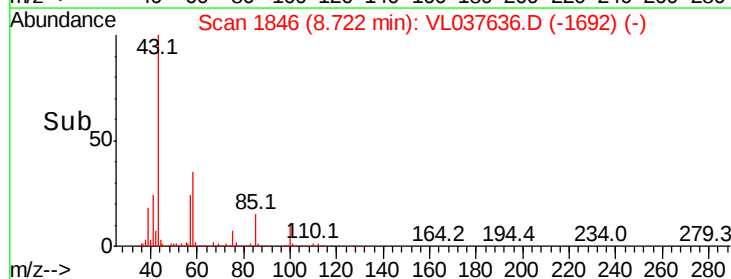
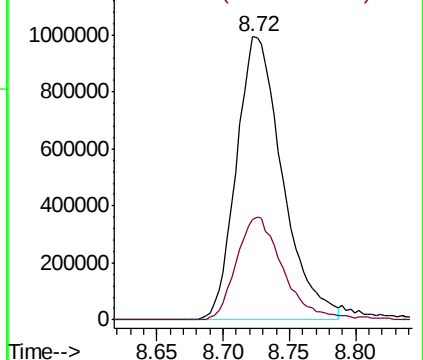
43 100

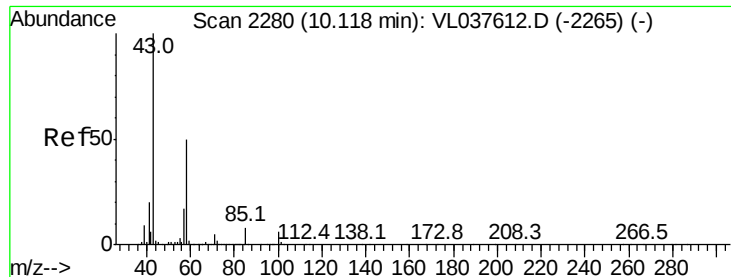
58 37.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.819 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

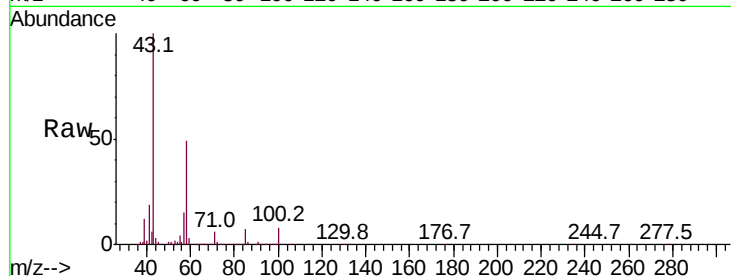
Tot Ion: 43 Resp: 1107619

Ion Ratio Lower Upper

43 100

58 51.6 39.3 58.9

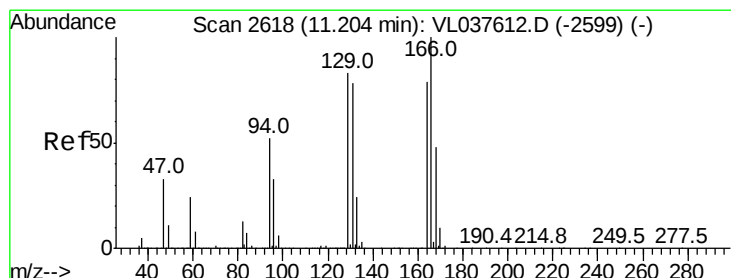
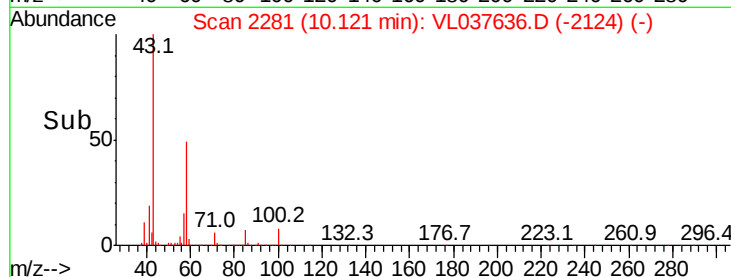
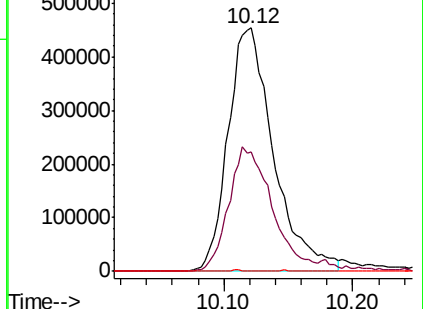
98 0.4 0.4 0.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.587 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion: 164 Resp: 1380647

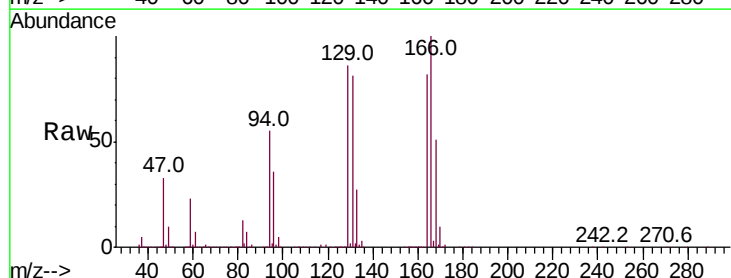
Ion Ratio Lower Upper

164 100

166 121.7 101.2 151.8

129 105.3 84.0 126.0

131 98.6 78.8 118.2

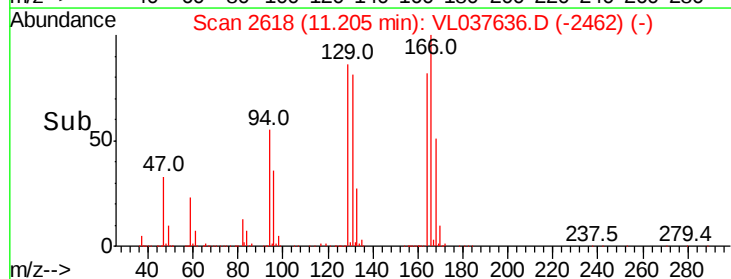
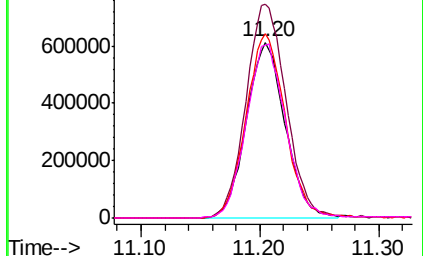


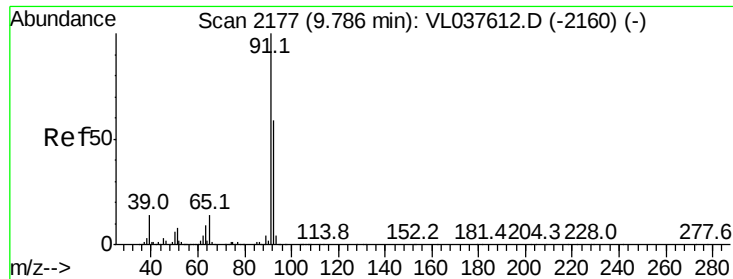
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.302 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

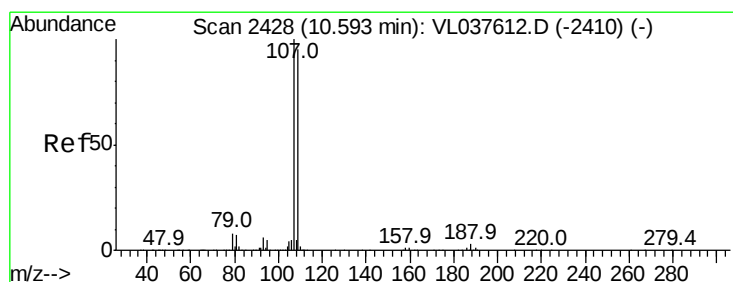
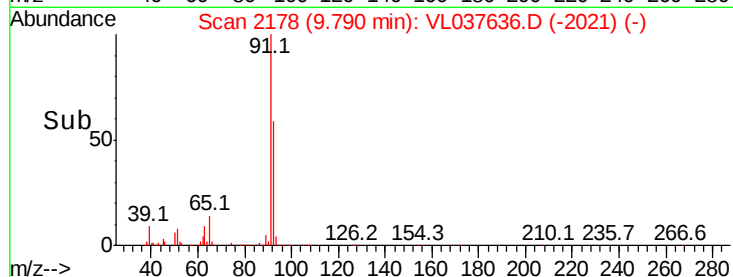
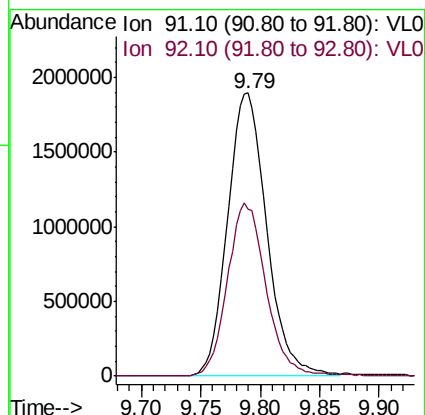
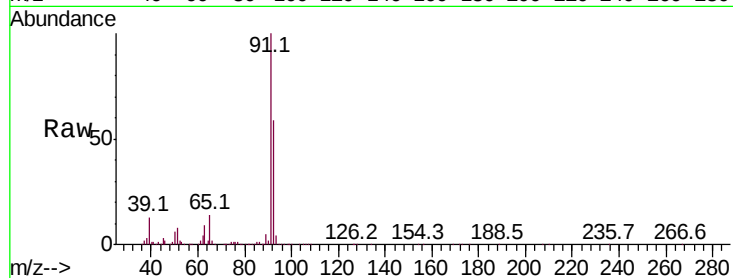
ClientSampleId :

Tot Ion: 91 Resp: 4295471

Ion Ratio Lower Upper

91 100

92 60.8 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.821 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037636.D

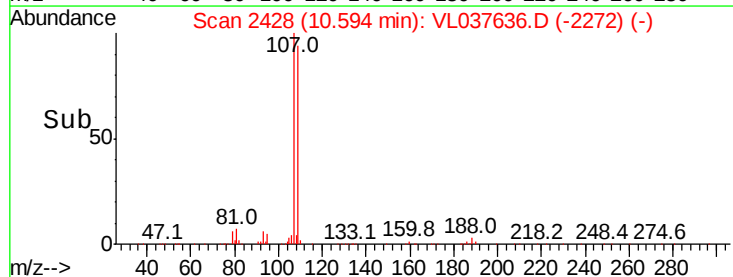
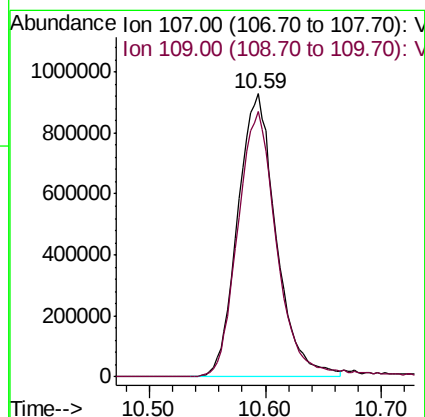
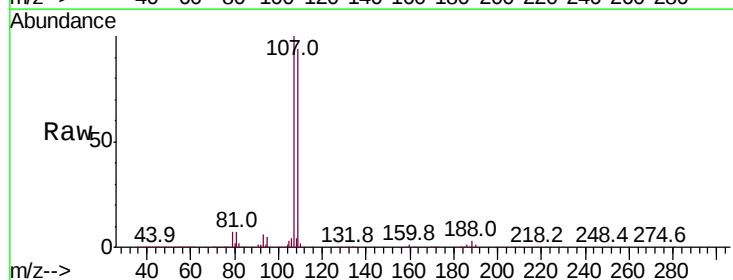
Acq: 17 Sep 2021 4:31

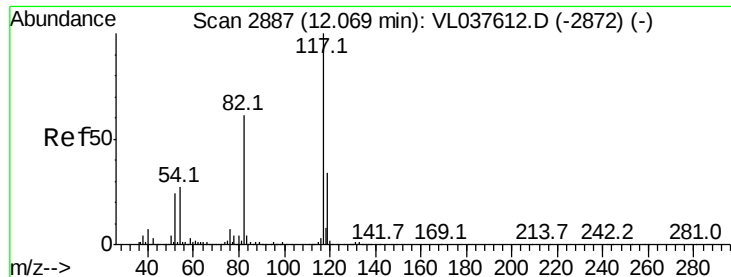
Tgt Ion: 107 Resp: 2137249

Ion Ratio Lower Upper

107 100

109 94.0 76.0 114.0

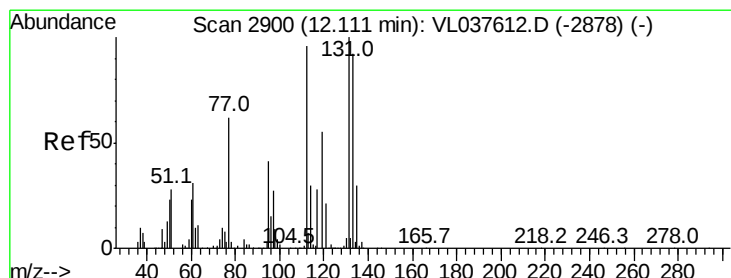
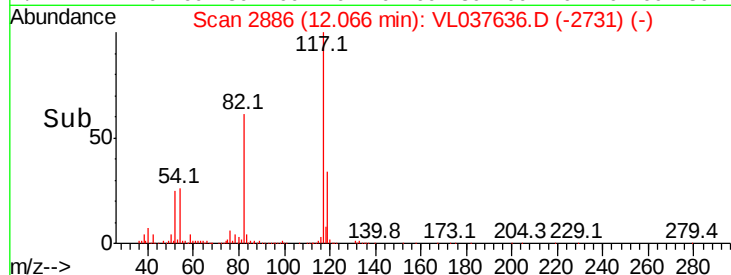
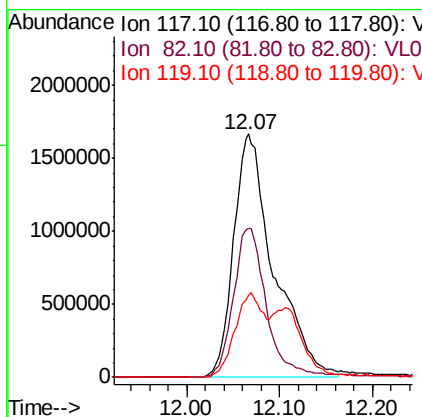
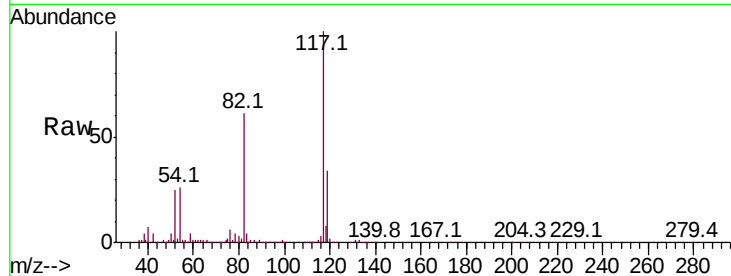




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

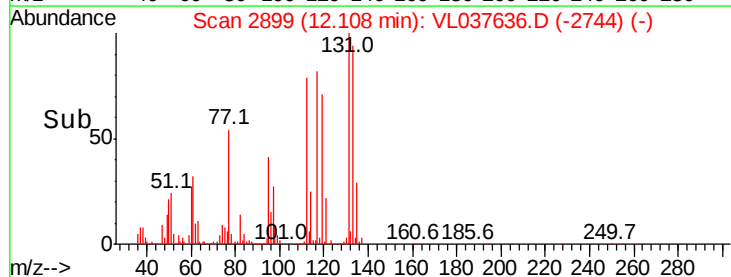
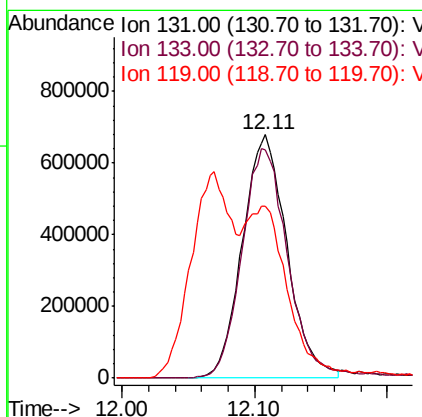
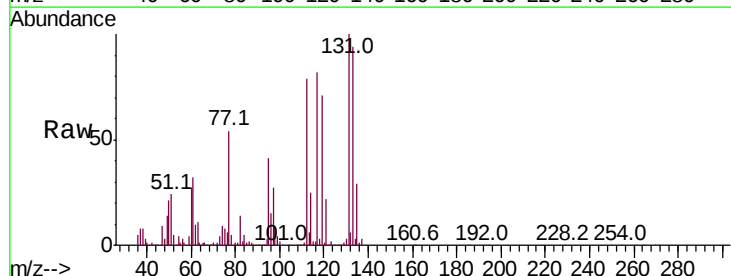
Instrument :
MSVOA_L
ClientSampleId :

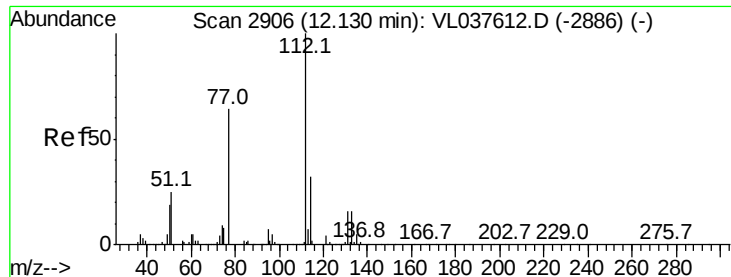
Tot Ion:117 Resp: 5014594
Ion Ratio Lower Upper
117 100
82 51.4 50.6 75.8
119 24.1 26.2 39.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.606 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion:131 Resp: 1582114
Ion Ratio Lower Upper
131 100
133 100.8 76.8 115.2
119 152.4 47.8 71.8#

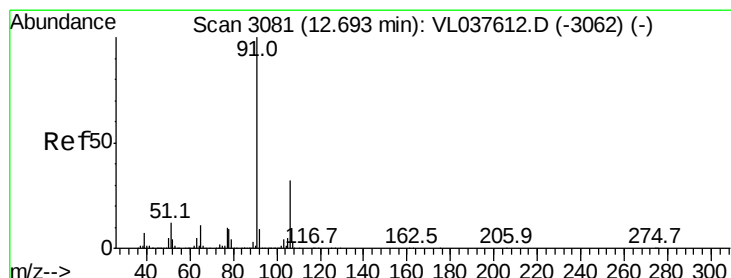
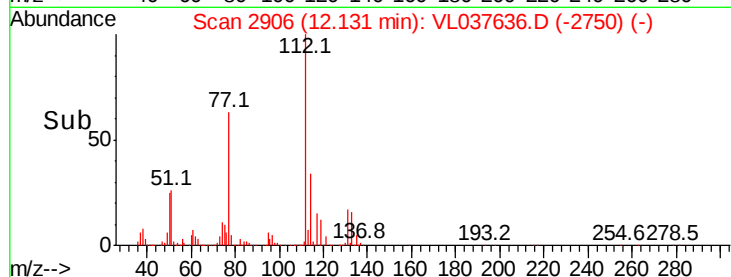
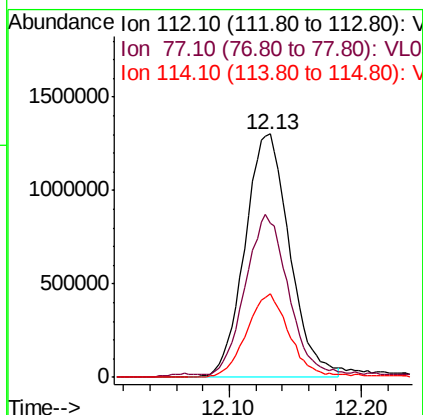
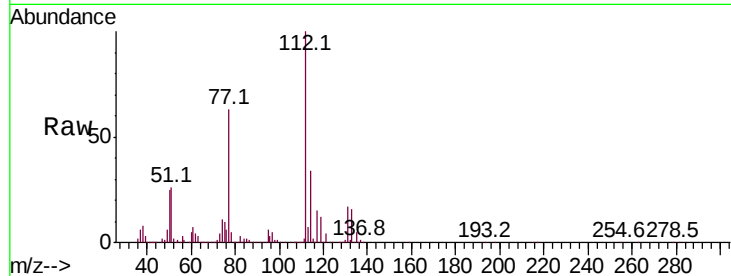




#57
Chlorobenzene
Concen: 7.325 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

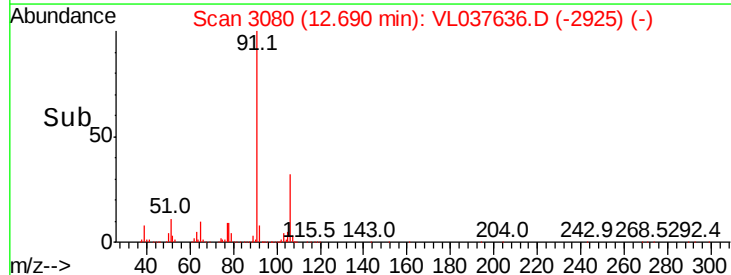
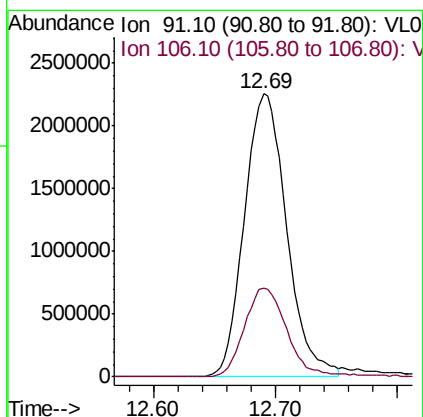
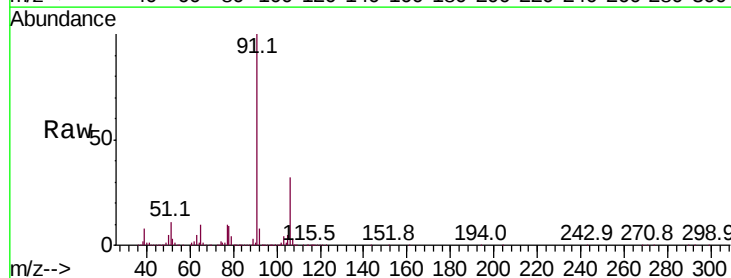
Instrument :
MSVOA_L
ClientSampleId :

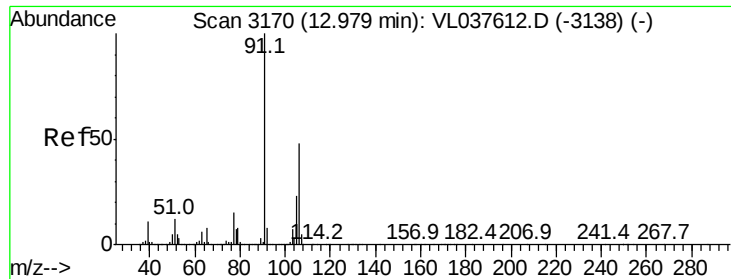
Tot Ion:112 Resp: 3053541
Ion Ratio Lower Upper
112 100
77 62.0 52.1 78.1
114 34.1 29.2 35.6



#58
Ethyl Benzene
Concen: 8.117 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 91 Resp: 5403427
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

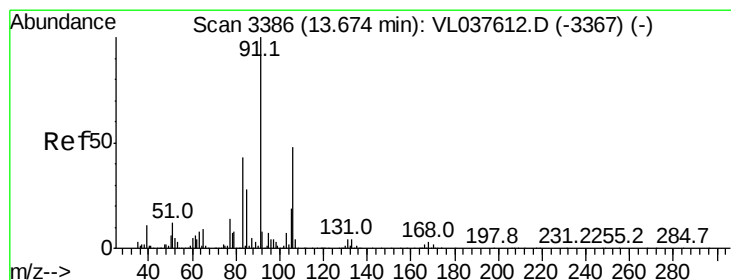
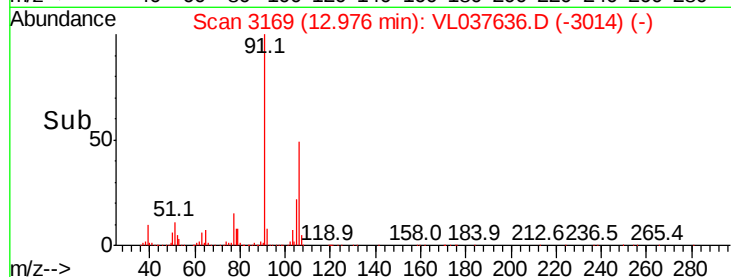
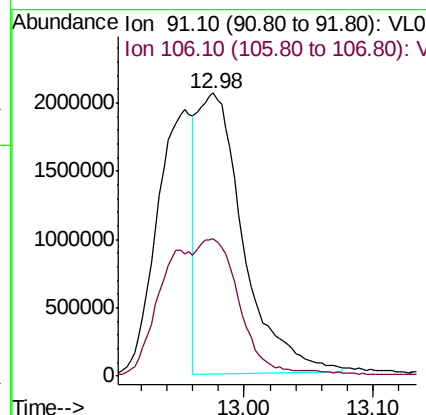
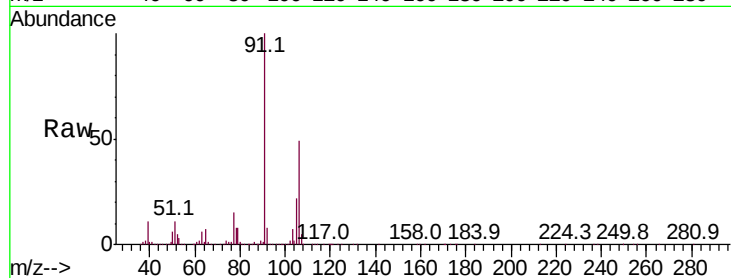




#59
m/p-Xylene
Concen: 8.755 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

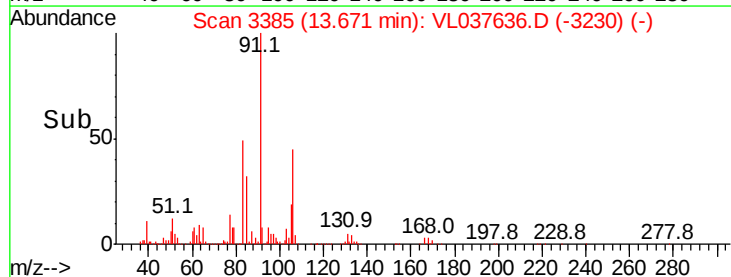
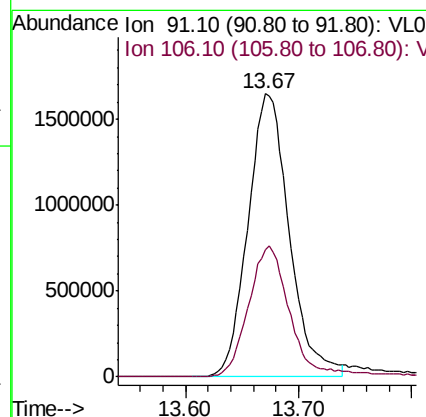
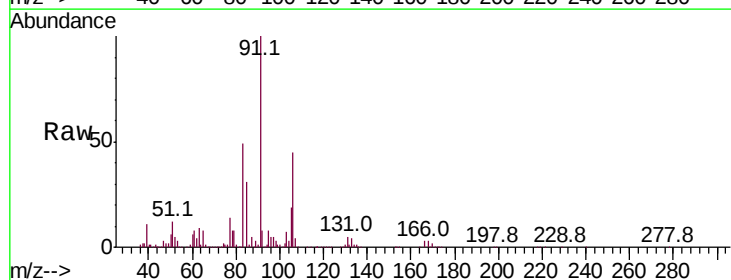
Instrument :
MSVOA_L
ClientSampled :

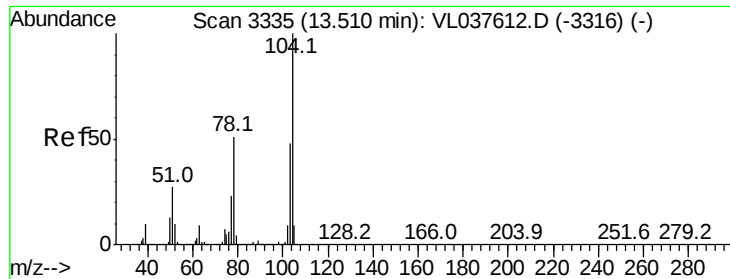
Tot Ion: 91 Resp: 5078449
Ion Ratio Lower Upper
91 100
106 83.2 36.6 55.0#



#60
o-Xylene
Concen: 7.565 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 91 Resp: 4176861
Ion Ratio Lower Upper
91 100
106 47.5 23.0 69.0





#61

Stvrene

Concen: 8.675 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

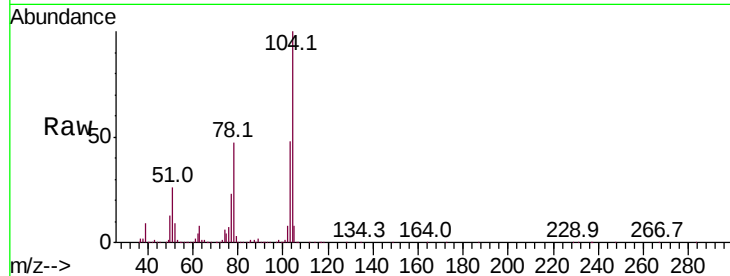
Tot Ion:104 Resp: 2361702

Ion Ratio Lower Upper

104 100

78 50.6 39.7 59.5

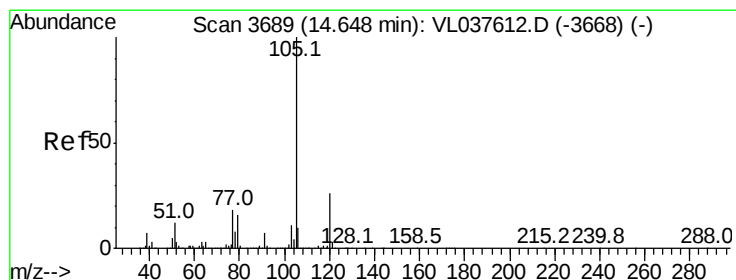
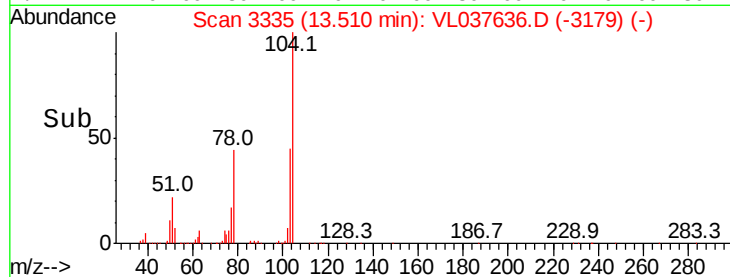
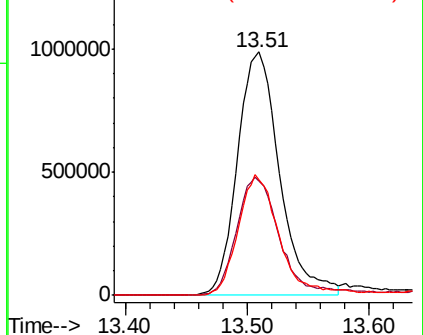
103 49.4 38.8 58.2



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: 7.546 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037636.D

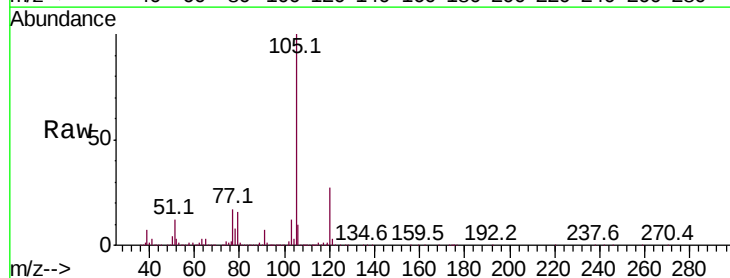
Acq: 17 Sep 2021 4:31

Tgt Ion:105 Resp: 5820273

Ion Ratio Lower Upper

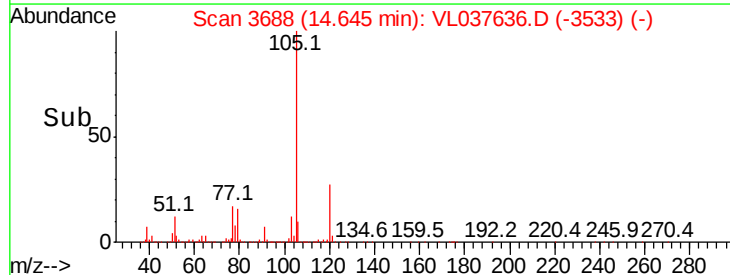
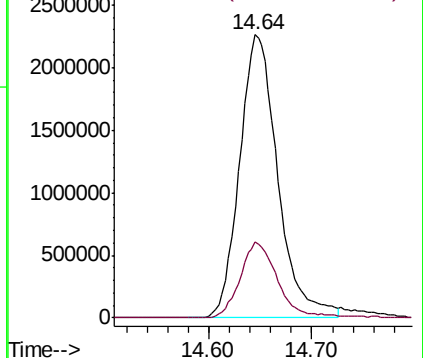
105 100

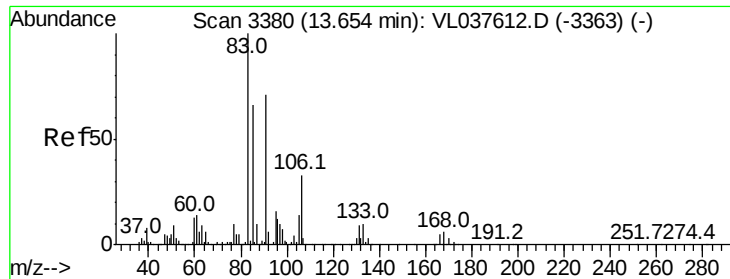
120 26.9 21.4 32.0



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: 6.762 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

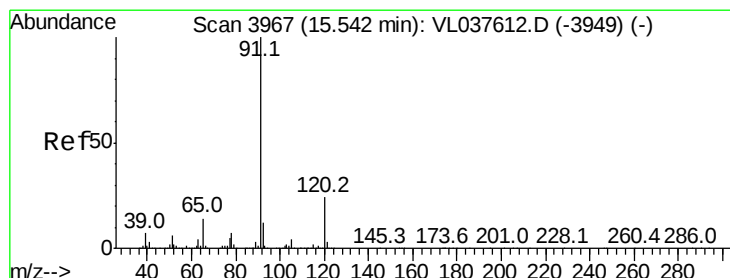
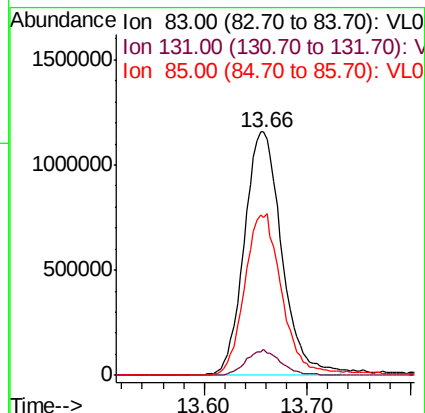
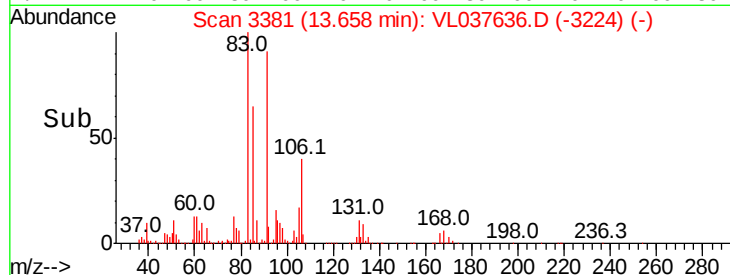
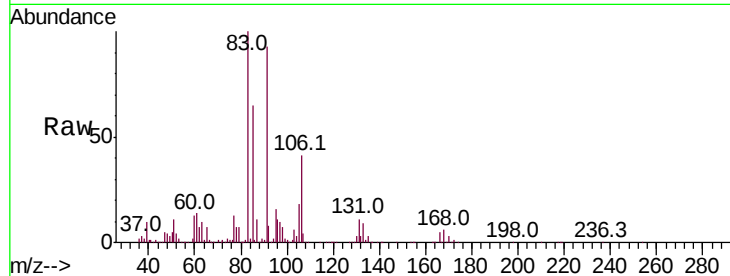
Tot Ion: 83 Resp: 2921776

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 67.8 33.3 99.9



#64

n-propylbenzene

Concen: 7.629 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.00 min

Lab File: VL037636.D

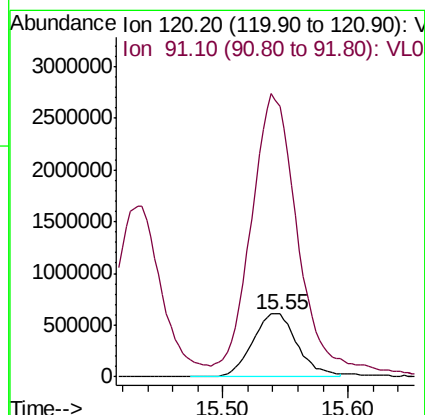
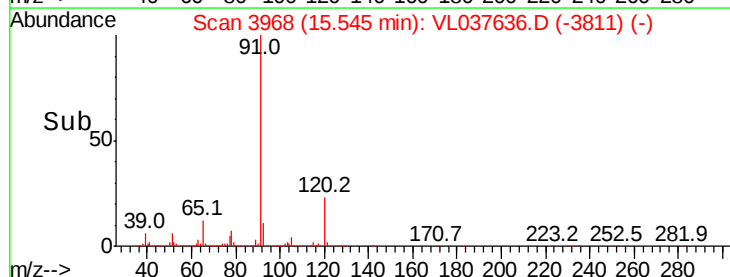
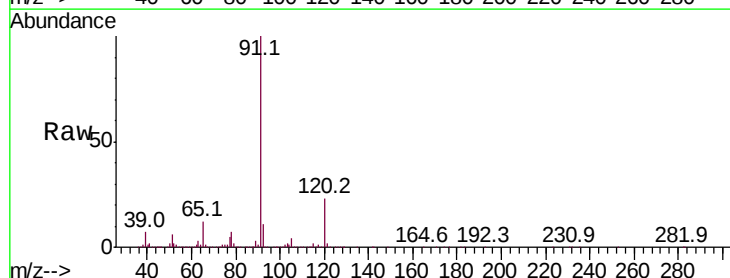
Acq: 17 Sep 2021 4:31

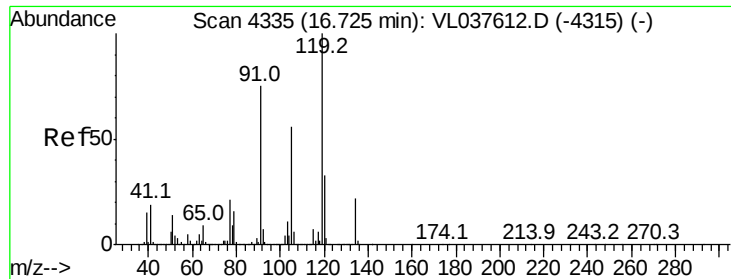
Tgt Ion:120 Resp: 1518479

Ion Ratio Lower Upper

120 100

91 477.3 345.0 517.4





#65

tert-Butylbenzene

Concen: 7.334 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

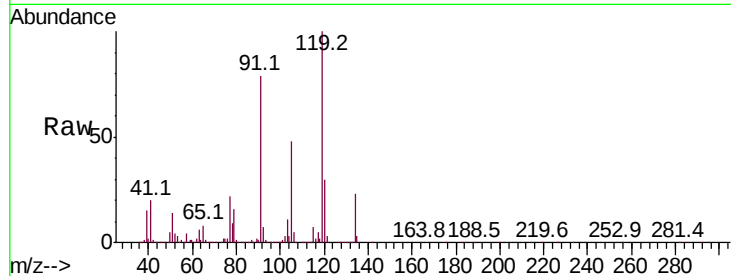
Tot Ion:119 Resp: 5100399

Ion Ratio Lower Upper

119 100

91 77.8 61.9 92.9

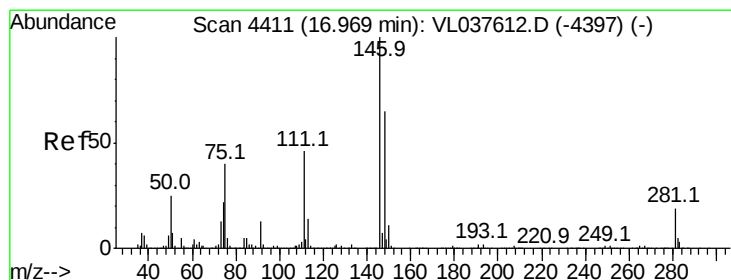
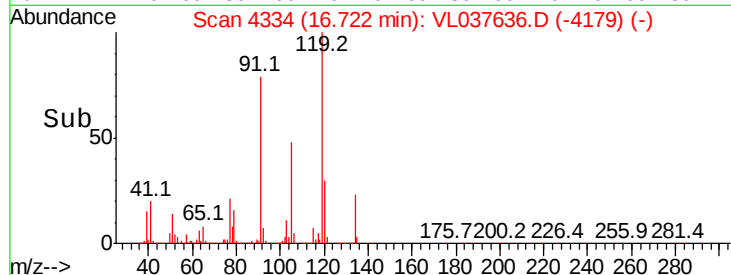
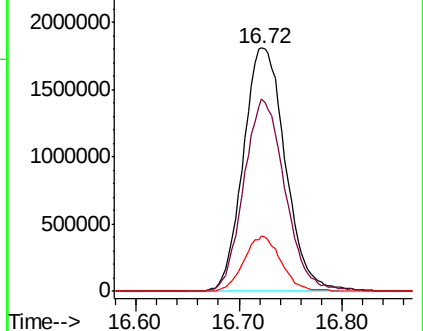
134 20.5 16.5 24.7



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.142 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

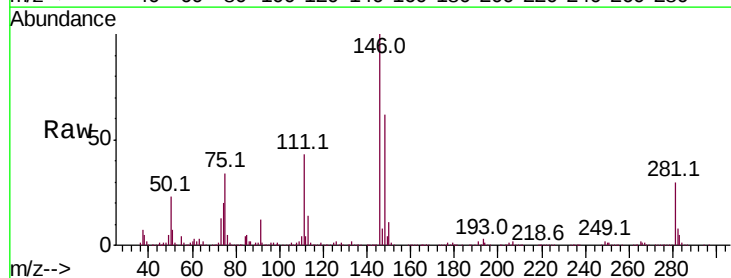
Tgt Ion: 91 Resp: 309420

Ion Ratio Lower Upper

91 100

126 18.9 14.4 21.6

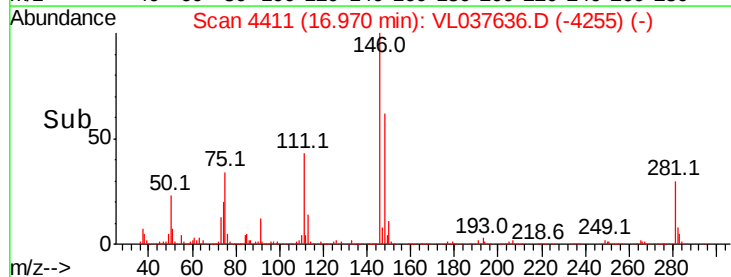
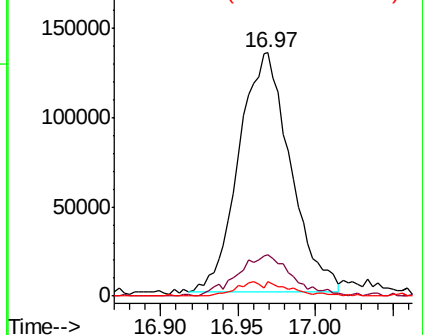
128 6.5 5.7 8.5

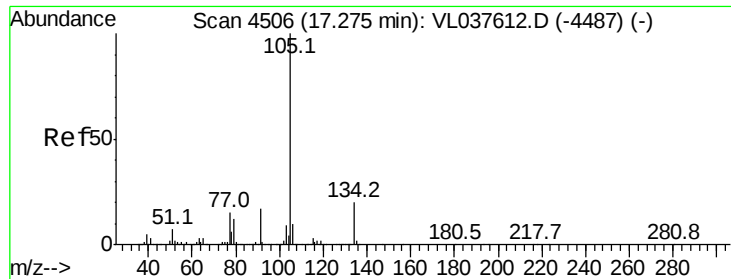


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.560 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

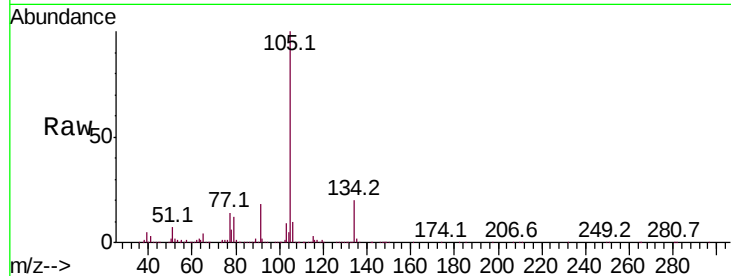
ClientSampleId :

Tot Ion:105 Resp: 7132879

Ion Ratio Lower Upper

105 100

134 19.1 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

2500000

2000000

1500000

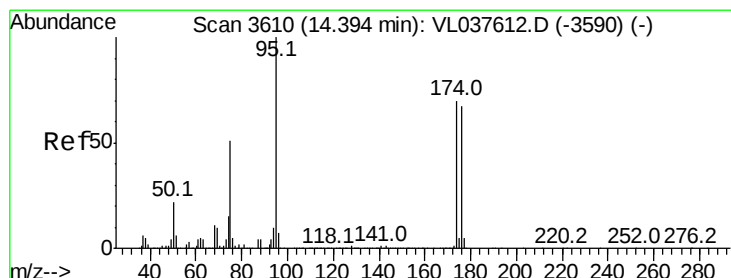
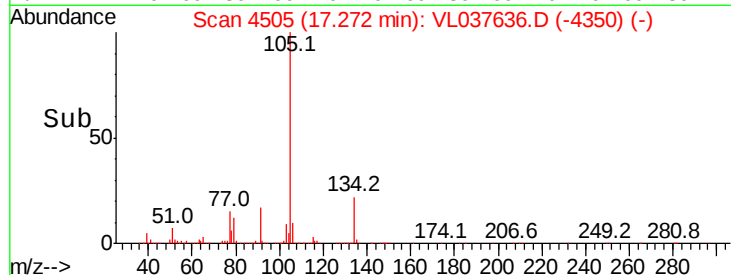
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.941 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

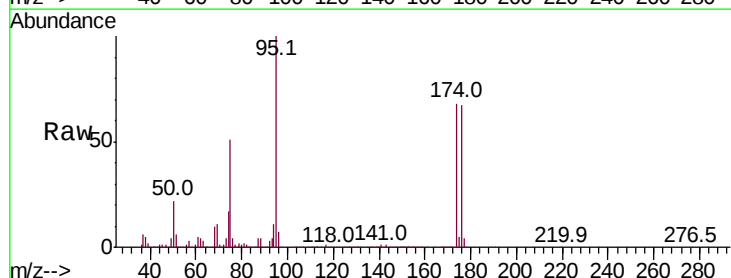
Tgt Ion: 95 Resp: 2878018

Ion Ratio Lower Upper

95 100

174 76.1 56.3 84.5

175 5.6 4.4 6.6



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

14.40

1500000

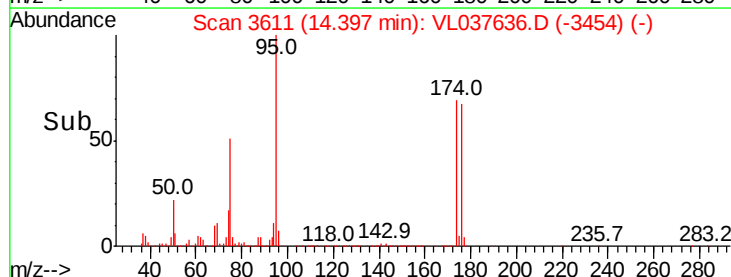
1000000

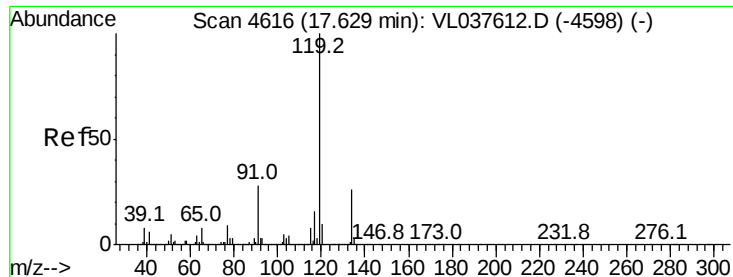
500000

0

Time-->

14.30 14.40

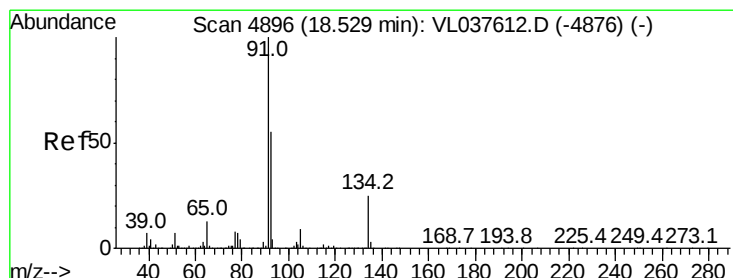
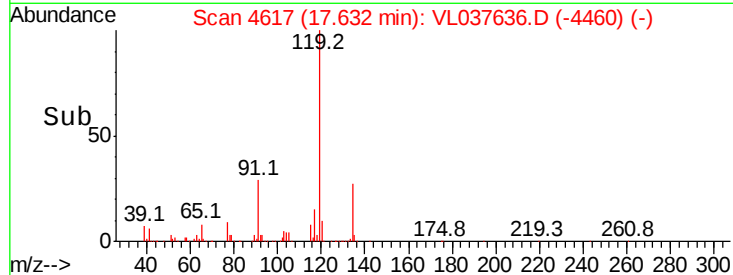
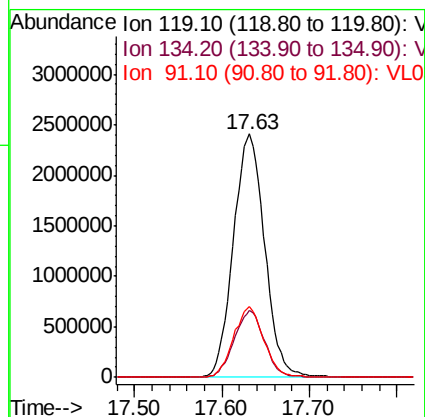
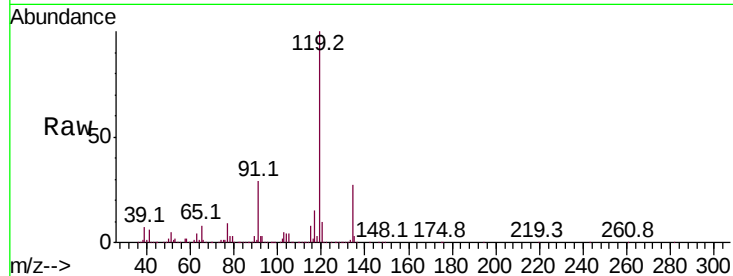




#69
 p-Isopropyltoluene
 Concen: 7.745 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

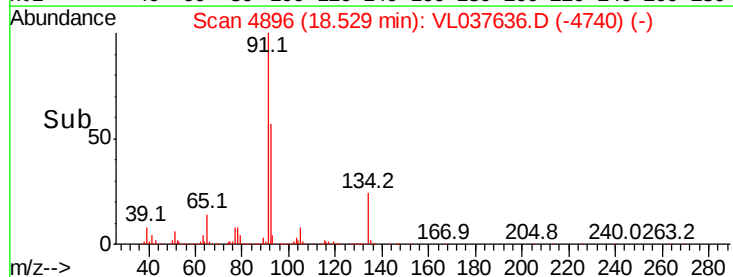
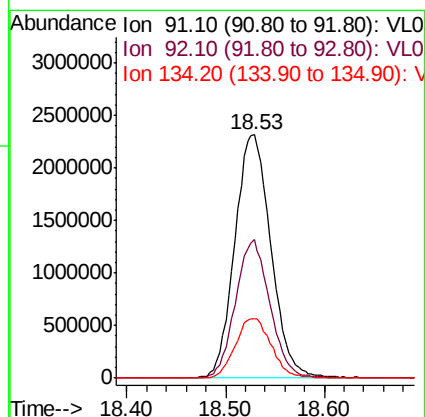
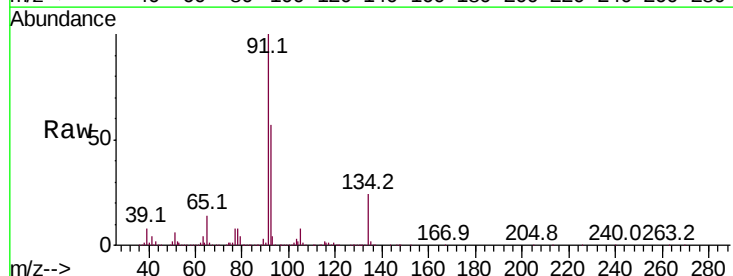
Instrument :
 MSVOA_L
 ClientSampleId :

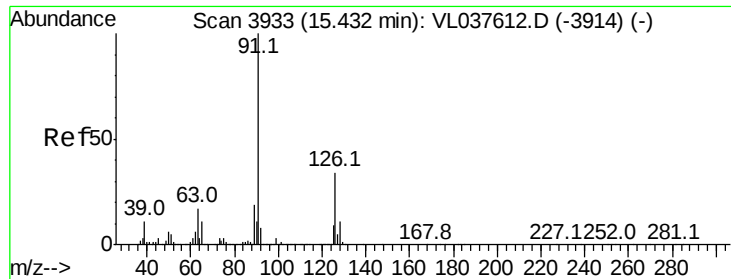
Tot Ion:119 Resp: 5970045
 Ion Ratio Lower Upper
 119 100
 134 26.8 21.2 31.8
 91 27.9 22.2 33.2



#70
 n-Butylbenzene
 Concen: 8.034 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion: 91 Resp: 5859506
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.0 66.0
 134 24.5 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.633 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

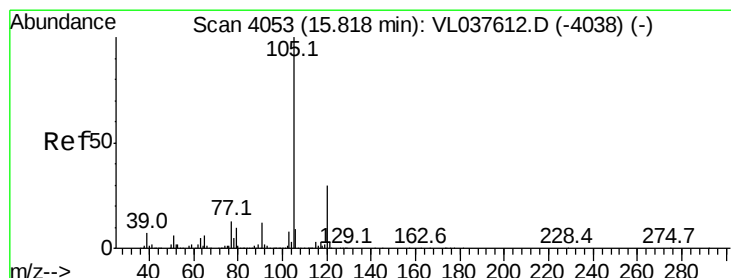
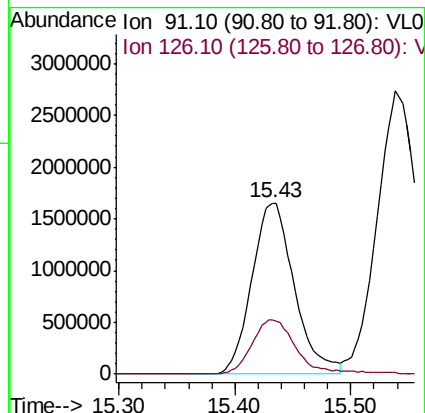
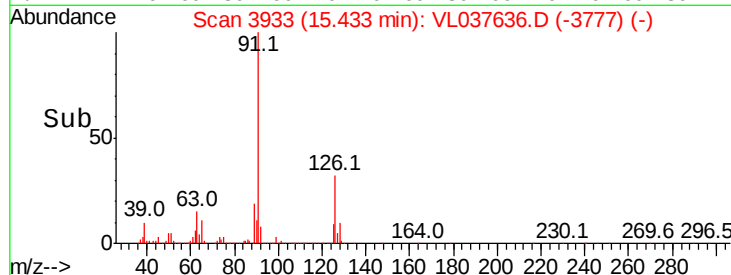
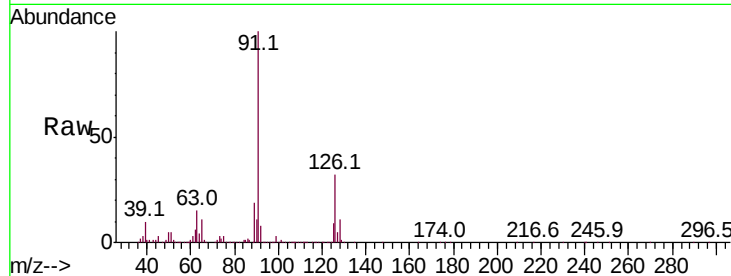
ClientSampleId :

Tot Ion: 91 Resp: 4218950

Ion Ratio Lower Upper

91 100

126 33.8 13.2 52.8



#72

4-Ethyltoluene

Concen: 7.891 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion:105 Resp: 5001451

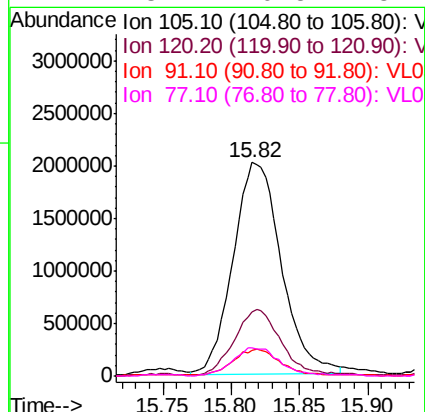
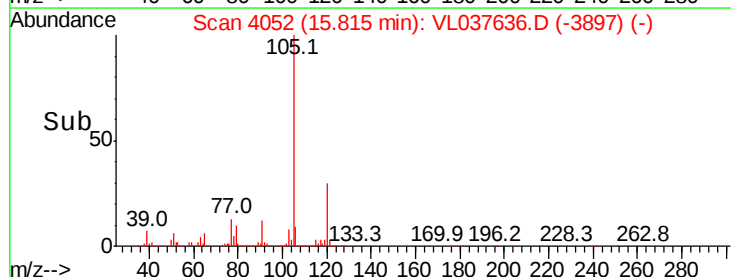
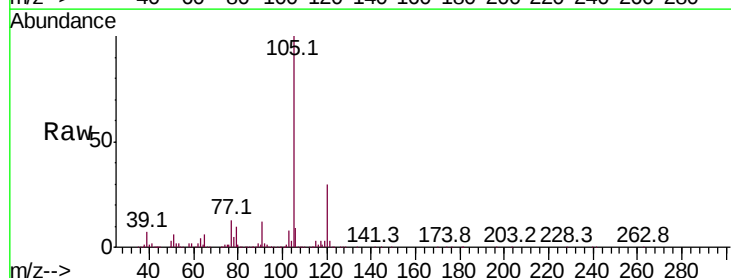
Ion Ratio Lower Upper

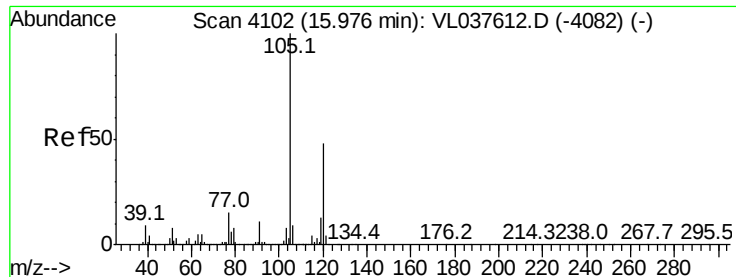
105 100

120 31.0 24.7 37.1

91 12.3 9.9 14.9

77 13.2 10.5 15.7

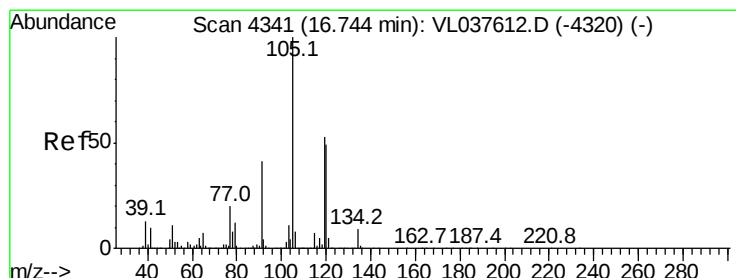
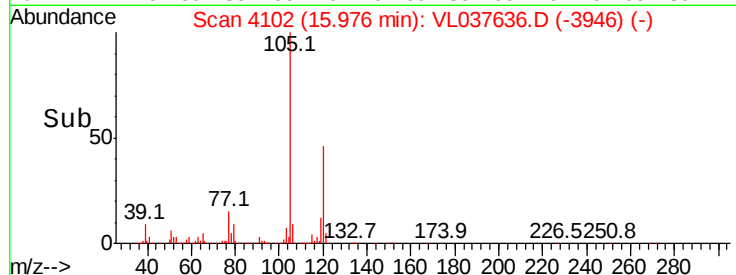
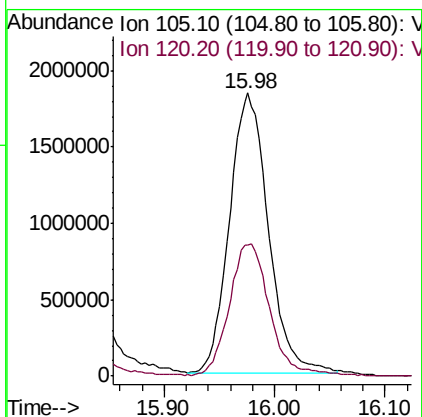
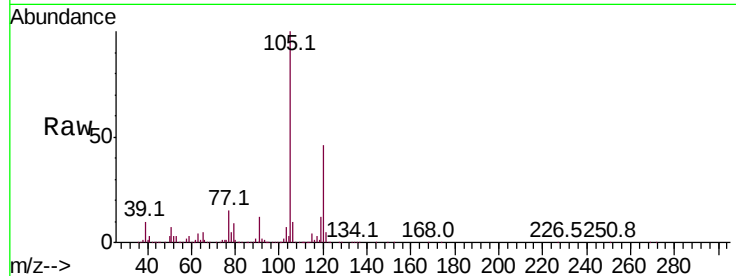




#73
 1,3,5-Trimethylbenzene
 Concen: 7.530 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

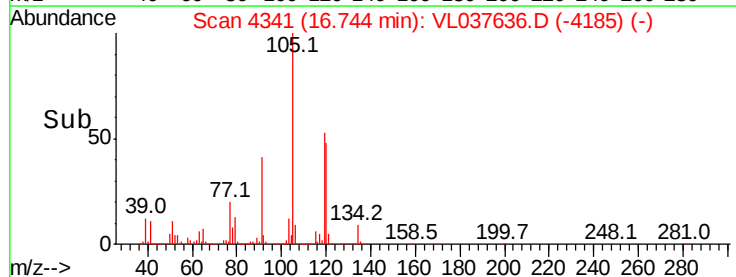
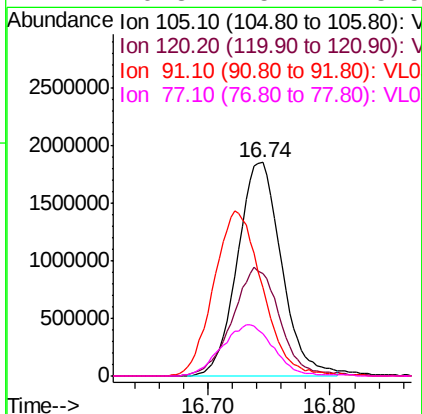
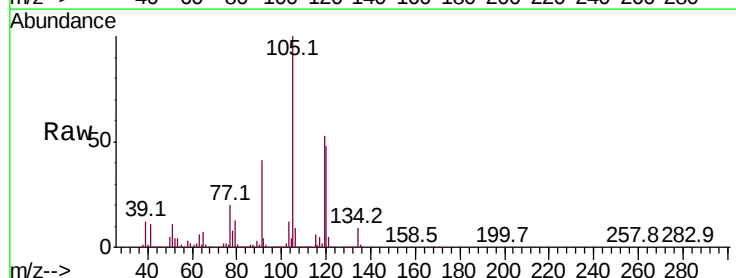
Instrument :
 MSVOA_L
 ClientSampleId :

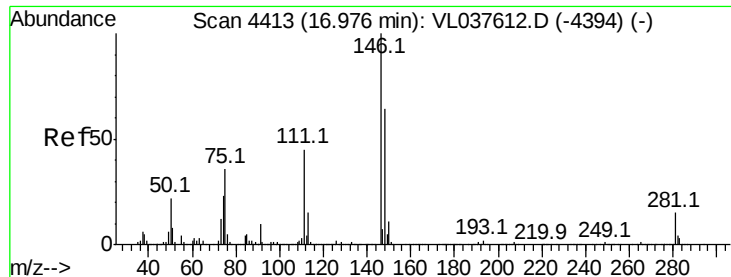
Tot Ion:105 Resp: 4448514
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 7.405 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion:105 Resp: 4607489
 Ion Ratio Lower Upper
 105 100
 120 47.0 39.4 59.0
 91 40.5 33.3 49.9
 77 19.3 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 7.311 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

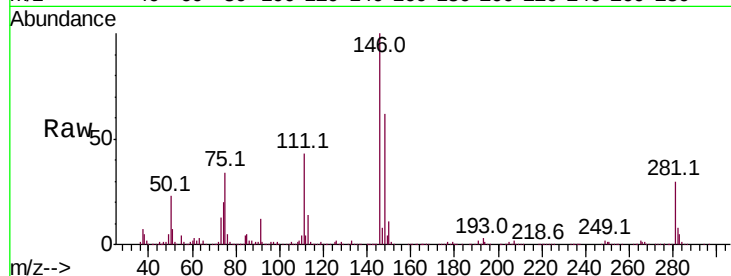
Tot Ion:146 Resp: 2826462

Ion Ratio Lower Upper

146 100

111 44.9 22.8 68.3

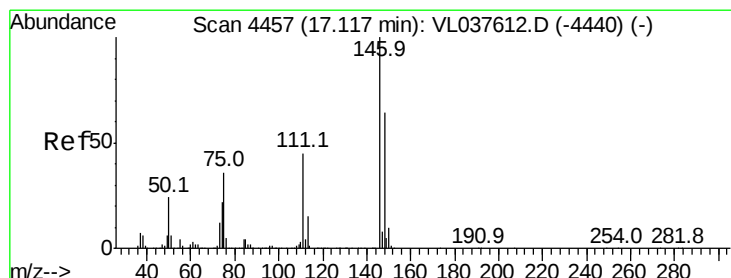
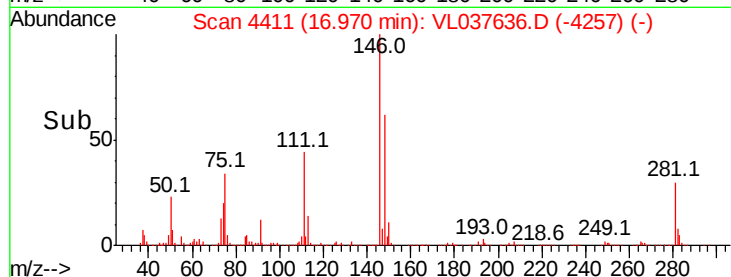
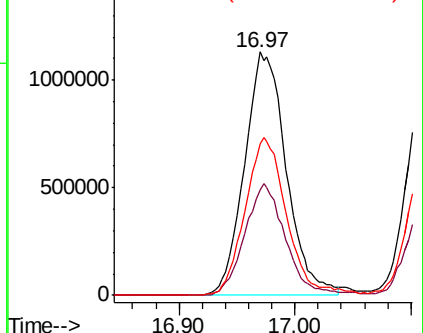
148 64.6 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.293 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

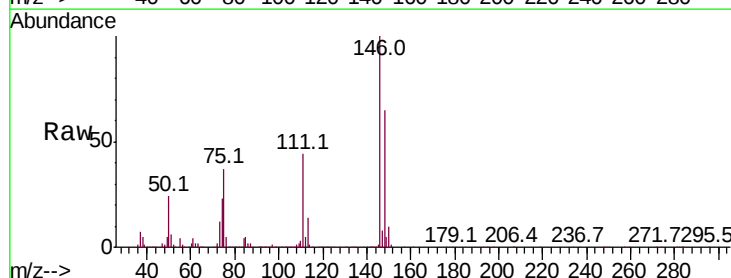
Tgt Ion:146 Resp: 2780889

Ion Ratio Lower Upper

146 100

111 44.9 22.5 67.5

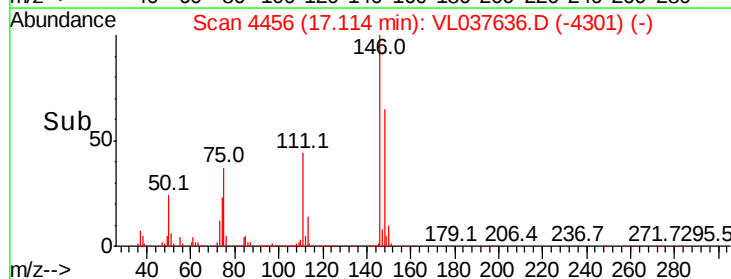
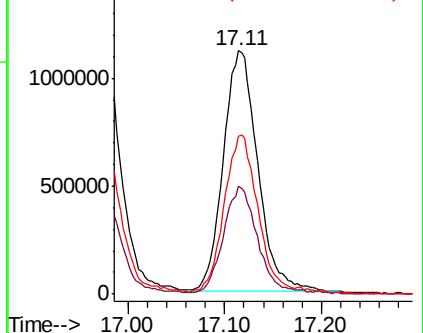
148 65.8 32.9 98.6

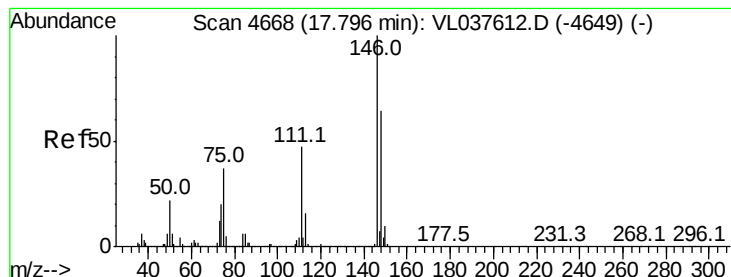


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.429 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampled :

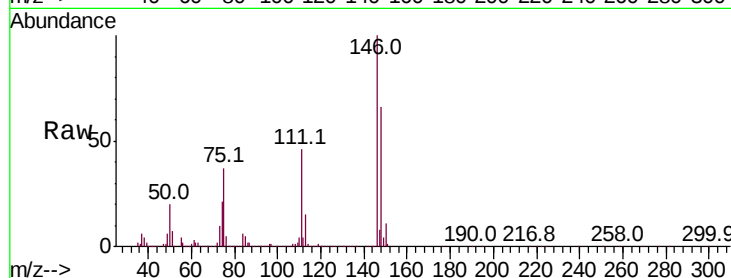
Tot Ion:146 Resp: 2724011

Ion Ratio Lower Upper

146 100

111 47.2 24.0 72.0

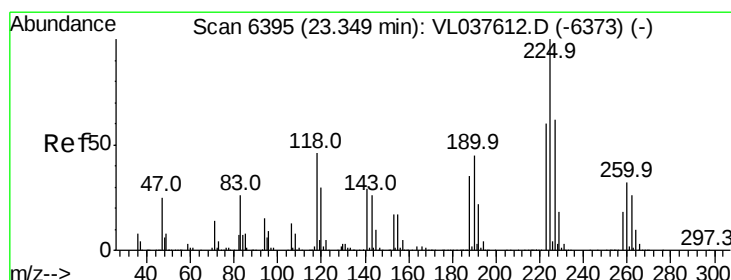
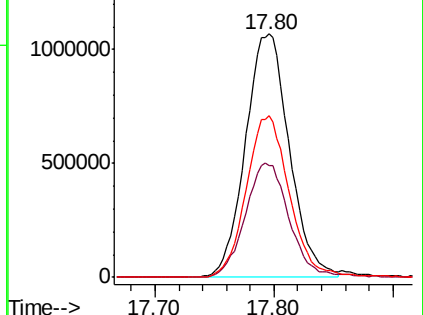
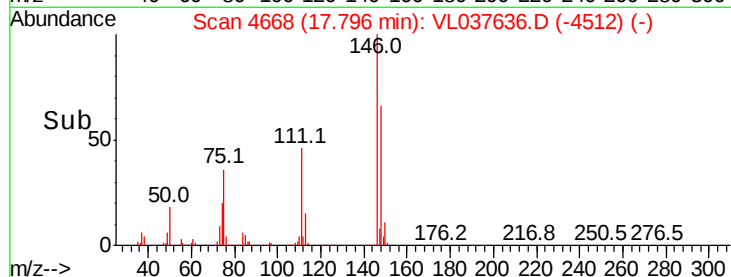
148 65.4 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.215 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

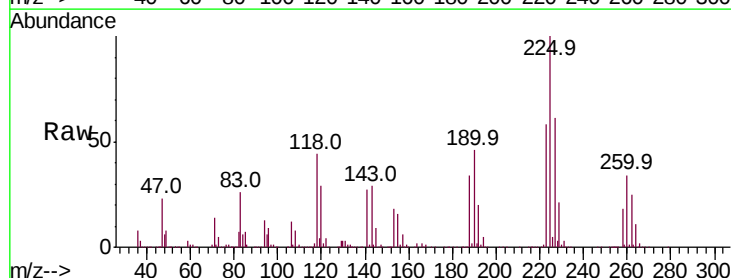
Tgt Ion:225 Resp: 2226547

Ion Ratio Lower Upper

225 100

223 63.3 51.1 76.7

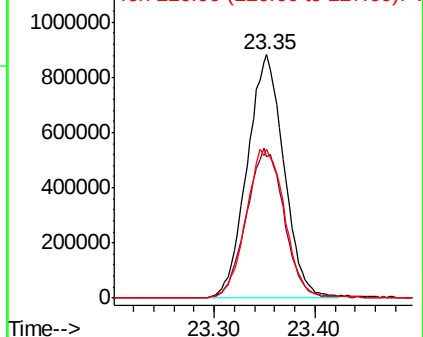
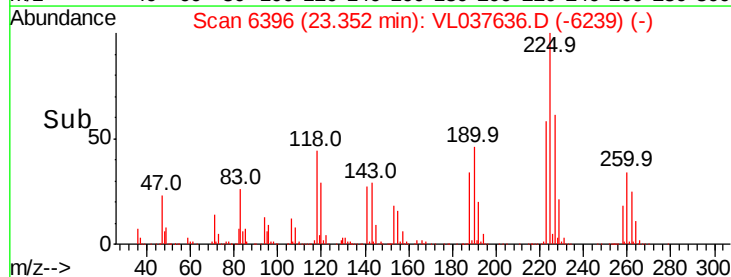
227 64.5 52.2 78.4

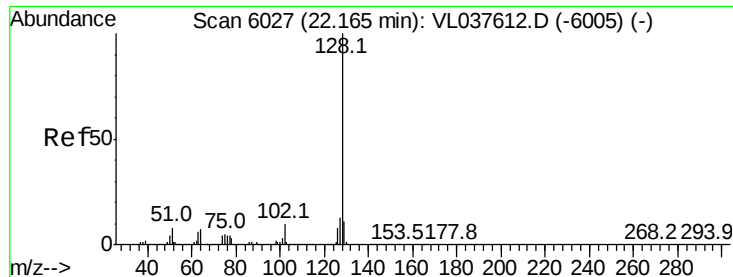


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.413 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

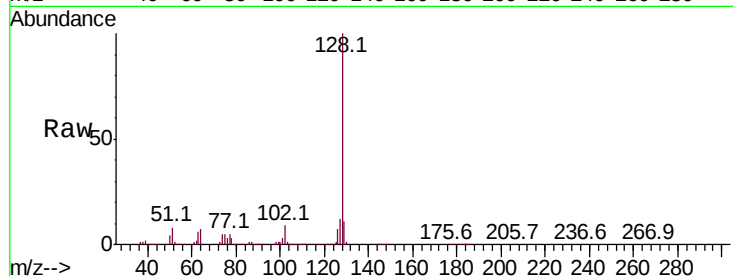
Tot Ion:128 Resp: 3978550

Ion Ratio Lower Upper

128 100

127 11.7 10.6 16.0

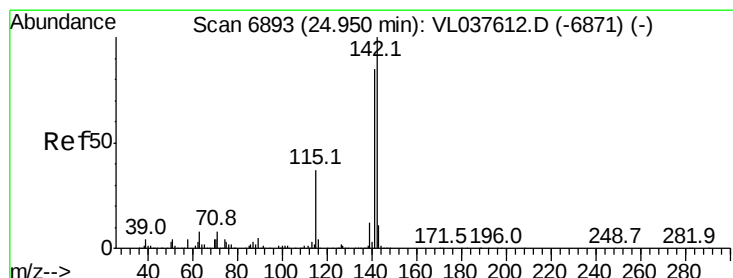
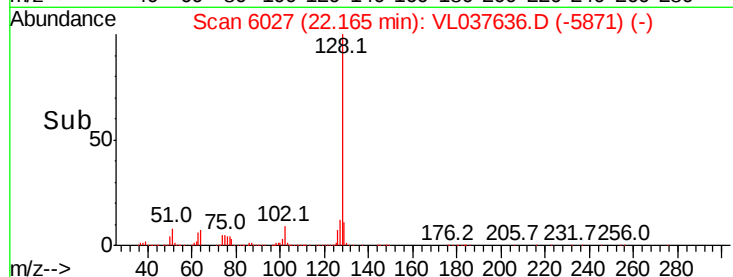
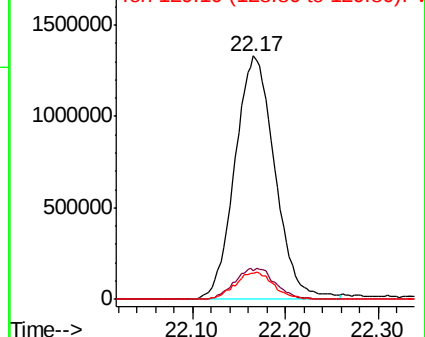
129 10.8 8.6 12.8



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: 12.469 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

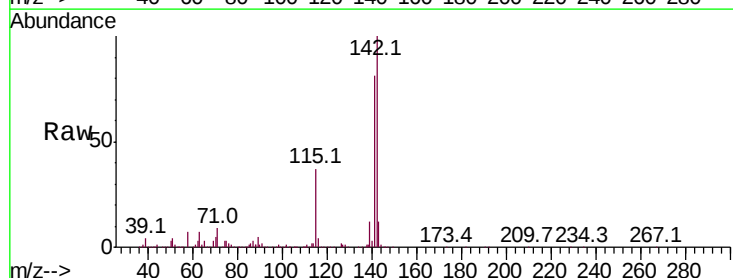
Tgt Ion:142 Resp: 1088902

Ion Ratio Lower Upper

142 100

141 87.0 70.9 106.3

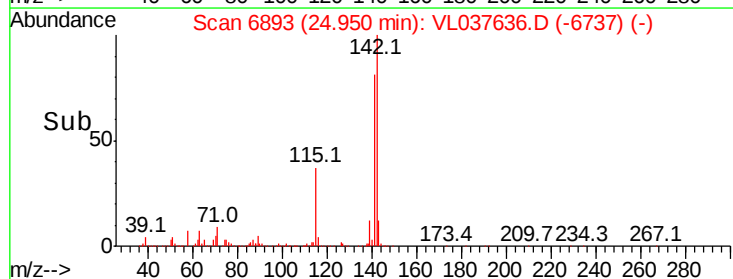
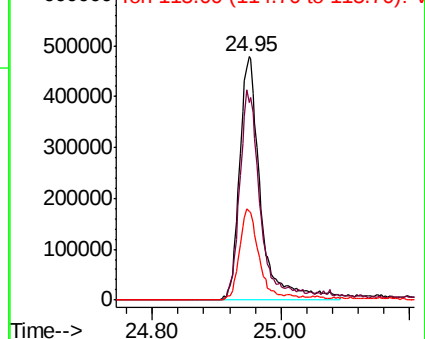
115 36.4 29.6 44.4

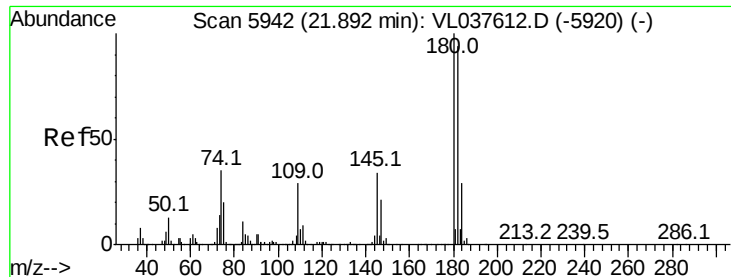


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

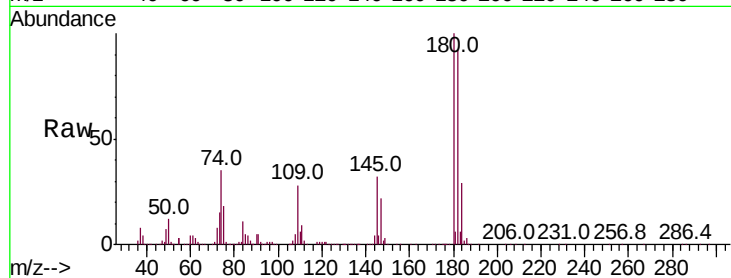




#81
 1,2,4-Trichlorobenzene
 Concen: 9.166 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2248502
 Ion Ratio Lower Upper
 180 100
 182 99.6 78.9 118.3
 184 31.6 24.7 37.1



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

