

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052421\
 Data File : VL037048.D
 Acq On : 24 May 2021 14:56
 Operator : SY/AP
 Sample : M2262-13 0.40
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 25 01:49:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1197074	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3681842	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3268586	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2434996	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	115757	0.570	ppbv 98
3) Chlorodifluoromethane	2.97	51	109623	0.500	ppbv 97
4) Chloromethane	3.12	50	32395	0.434	ppbv 95
5) Vinyl Chloride	3.24	62	33829	0.415	ppbv # 86
6) Bromomethane	3.46	94	10080	0.235	ppbv 92
7) Chloroethane	3.54	64	10604	0.400	ppbv 95
8) Dichlorotetrafluoroethane	3.17	85	96481	0.506	ppbv 98
9) Propene	2.99	41	37247	0.474	ppbv 91
10) Heptane	8.10	43	74532	0.381	ppbv 94
11) Trichlorofluoromethane	3.93	101	95143	0.506	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	28832	0.215	ppbv # 14
13) Ethanol	3.60	45	1089	0.104	ppbv # 35
14) Bromoethene	3.73	108	25319	0.429	ppbv # 89
15) Acetone	3.86	43	62111	0.507	ppbv # 65
16) 1,3-Butadiene	3.31	39	32322	0.424	ppbv 92
18) 1,1-Dichloroethene	4.27	96	13571	0.219	ppbv 93
19) Isopropyl Alcohol	3.98	45	17092	0.259	ppbv # 30
20) Methylene Chloride	4.33	84	49466	0.753	ppbv 91
21) Allvl Chloride	4.39	41	26147	0.283	ppbv # 43
22) trans-1,2-Dichloroethene	4.87	96	17681	0.298	ppbv 88
24) 1,1-Dichloroethane	4.99	63	60014	0.428	ppbv 99
25) Ethyl Acetate	5.67	43	115746	0.393	ppbv 99
26) Hexane	5.67	57	31925	0.212	ppbv # 1
27) Carbon Disulfide	4.53	76	41420	0.273	ppbv # 72
28) Methyl tert-Butyl Ether	5.03	73	78246	0.434	ppbv 97
29) Chloroform	5.73	83	53897	0.253	ppbv 94
30) Cyclohexane	7.10	84	26262	0.205	ppbv # 8
31) cis-1,2-Dichloroethene	5.52	61	21250	0.157	ppbv 94
32) 1,1,1-Trichloroethane	6.48	97	92151	0.404	ppbv 95
34) 2-Butanone	5.25	43	29807	0.222	ppbv # 53
35) Carbon Tetrachloride	6.99	117	85608	0.350	ppbv 96
36) Benzene	6.86	78	125212	0.395	ppbv 97
37) 1,2-Dichloroethane	6.29	62	61538	0.391	ppbv # 95
38) Trichloroethene	7.82	130	22202	0.164	ppbv 85
39) 1,2-Dichloropropane	7.59	63	24149	0.198	ppbv 94
41) Tetrahydrofuran	6.05	42	5552	0.073	ppbv # 36
42) Bromodichloromethane	7.77	83	78544	0.330	ppbv # 78
43) Methyl Methacrylate	8.01	69	25174	0.230	ppbv # 48
44) 2,2,4-Trimethylpentane	7.84	57	215869	0.397	ppbv 97
45) t-1,3-Dichloropropene	9.26	75	7747	0.093	ppbv 97
46) cis-1,3-Dichloropropene	8.68	75	19061	0.170	ppbv 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

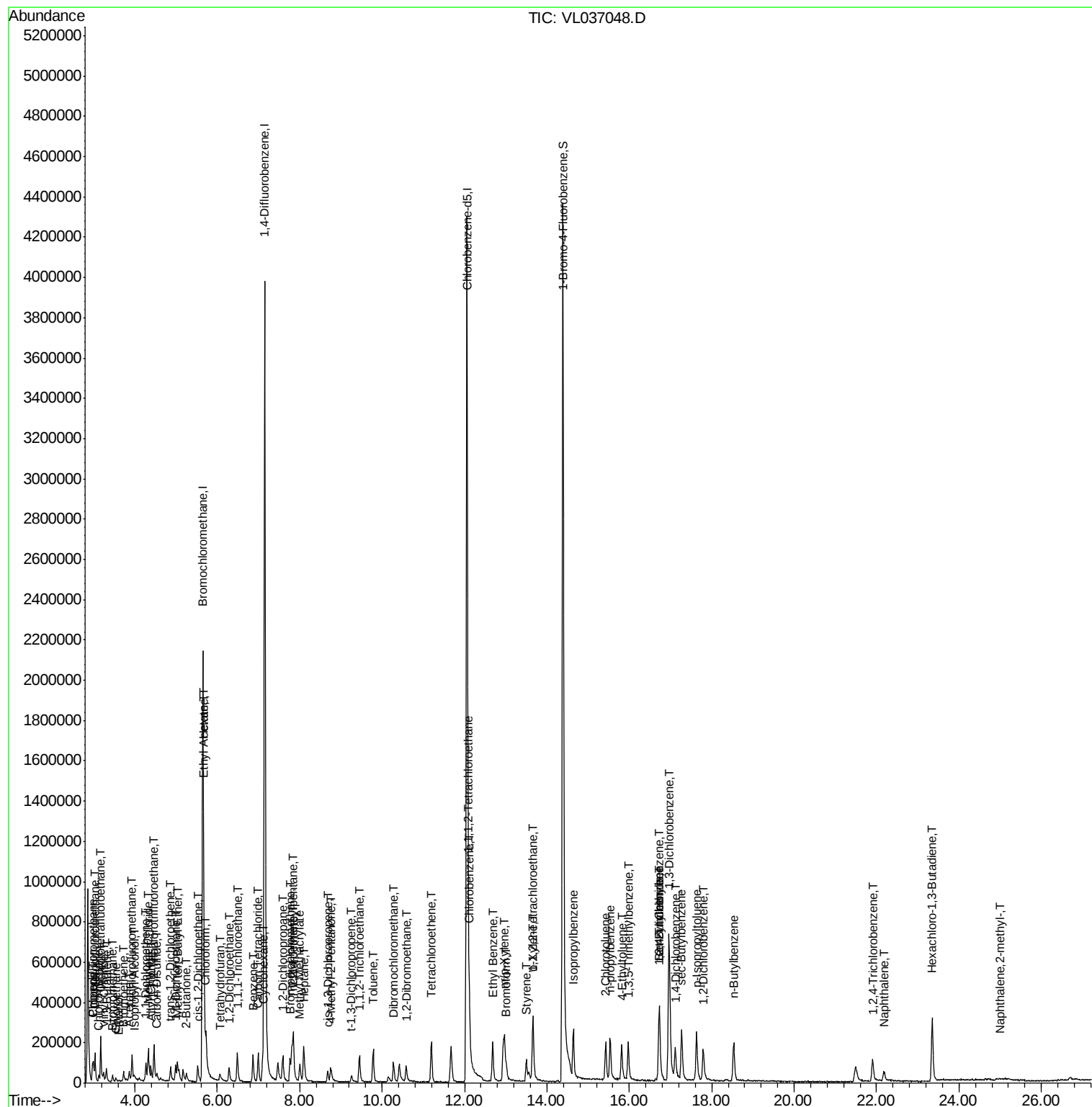
47) 1,1,2-Trichloroethane	9.45	97	49864	0.390	ppbv	93
48) Dibromochloromethane	10.28	129	35787	0.173	ppbv #	31
49) Bromoform	13.01	173	19932	0.117	ppbv #	26
50) 4-Methyl-2-Pentanone	8.74	43	15434	0.070	ppbv #	38
52) Tetrachloroethene	11.19	164	54656	0.433	ppbv #	88
53) Toluene	9.78	91	127551	0.338	ppbv	91
54) 1,2-Dibromoethane	10.58	107	36717	0.202	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	28430	0.207	ppbv #	1
57) Chlorobenzene	12.12	112	117360	0.463	ppbv #	90
58) Ethyl Benzene	12.68	91	189897	0.412	ppbv	89
59) m/p-Xylene	12.96	91	43180	0.113	ppbv #	1
60) o-Xylene	13.66	91	156109	0.429	ppbv	99
61) Styrene	13.51	104	66464	0.324	ppbv	92
62) Isopropylbenzene	14.64	105	117855	0.225	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.65	83	98736	0.364	ppbv	90
64) n-propylbenzene	15.54	120	16276	0.121	ppbv #	1
65) tert-Butylbenzene	16.72	119	190511	0.404	ppbv	88
66) Benzyl Chloride	16.72	91	163742	6.257	ppbv #	62
67) sec-Butylbenzene	17.27	105	254939	0.396	ppbv	96
69) p-Isopropyltoluene	17.63	119	123759	0.224	ppbv #	54
70) n-Butylbenzene	18.53	91	85211	0.162	ppbv #	30
71) 2-Chlorotoluene	15.42	91	65281	0.173	ppbv #	42
72) 4-Ethyltoluene	15.81	105	93222	0.216	ppbv #	65
73) 1,3,5-Trimethylbenzene	15.97	105	151100	0.373	ppbv	86
74) 1,2,4-Trimethylbenzene	16.74	105	160756	0.384	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	66503	0.260	ppbv #	47
76) 1,4-Dichlorobenzene	17.11	146	102823	0.397	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	86045	0.336	ppbv	78
78) Hexachloro-1,3-Butadiene	23.35	225	50535	0.245	ppbv #	18
79) Naphthalene	22.16	128	15280	0.046	ppbv #	91
80) Naphthalene,2-methyl-	25.00	142	3994	0.056	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	22322	0.111	ppbv #	9

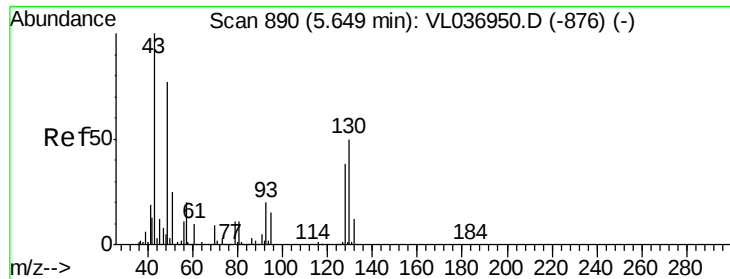
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

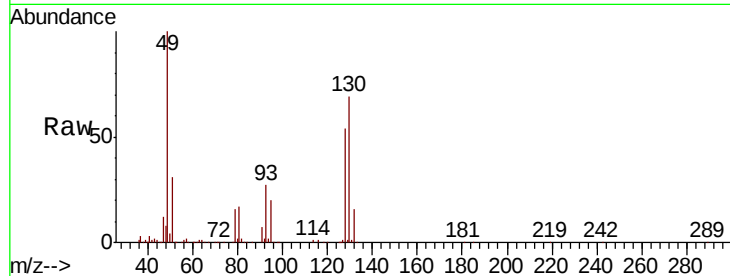
Tot Ion: 49 Resp: 1197074

Ion Ratio Lower Upper

49 100

128 58.4 26.9 80.7

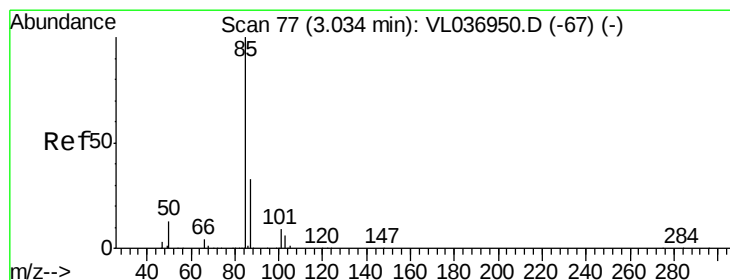
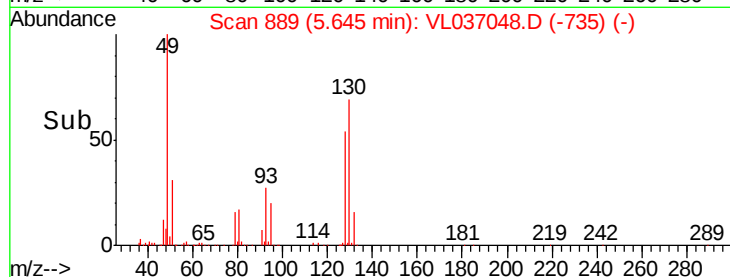
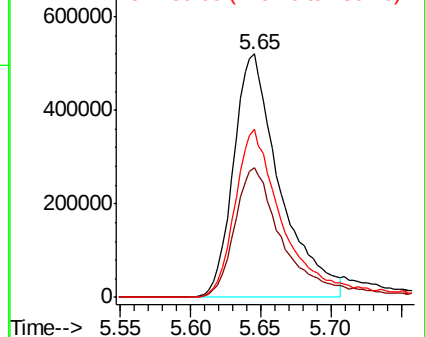
130 76.2 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.570 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL037048.D

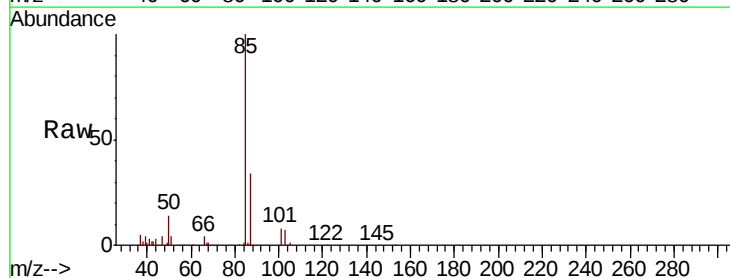
Acq: 24 May 2021 14:56

Tgt Ion: 85 Resp: 115757

Ion Ratio Lower Upper

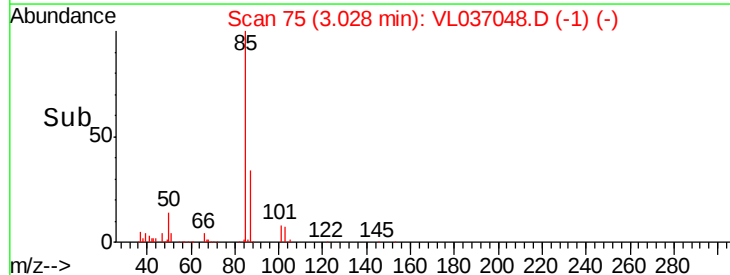
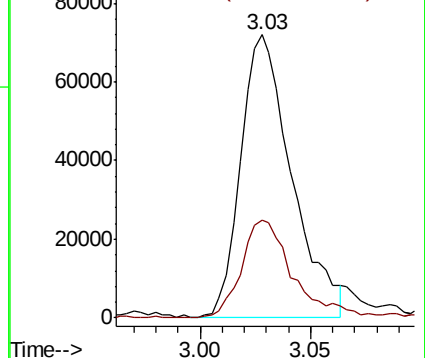
85 100

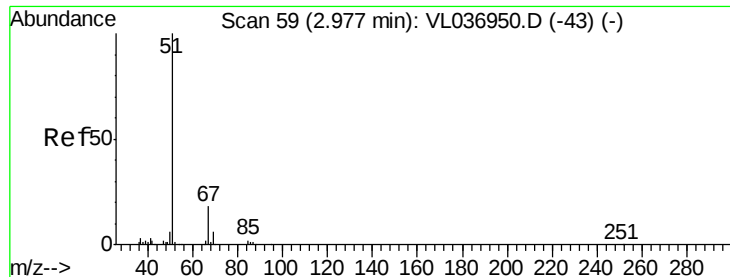
87 34.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.500 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

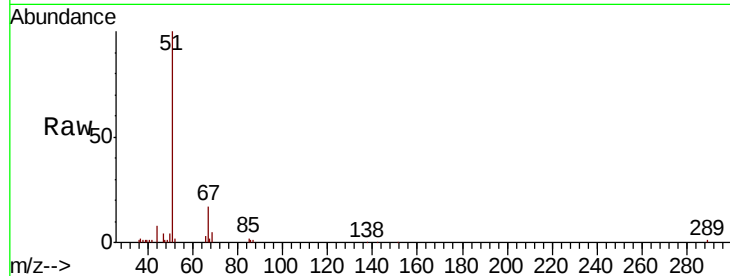
ClientSampleId :

Tot Ion: 51 Resp: 109623

Ion Ratio Lower Upper

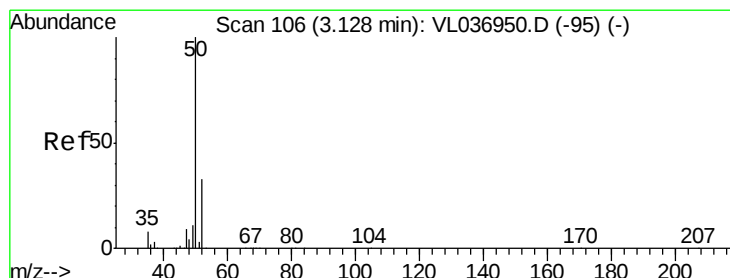
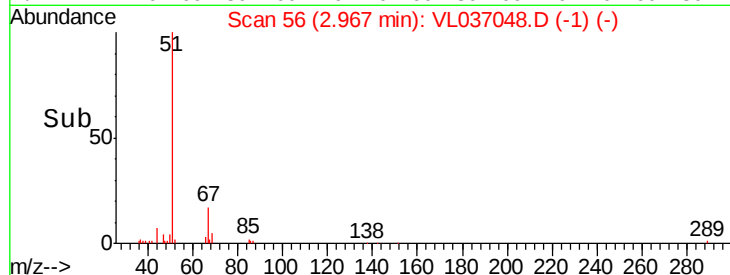
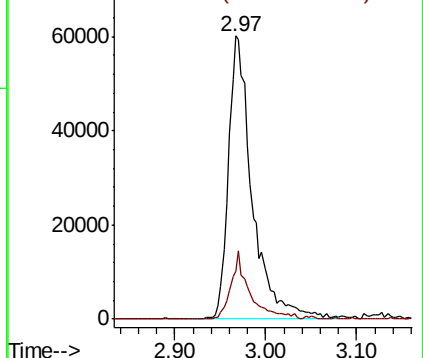
51 100

67 19.4 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.434 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL037048.D

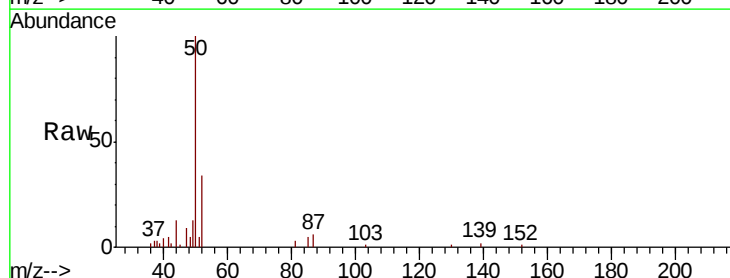
Acq: 24 May 2021 14:56

Tgt Ion: 50 Resp: 32395

Ion Ratio Lower Upper

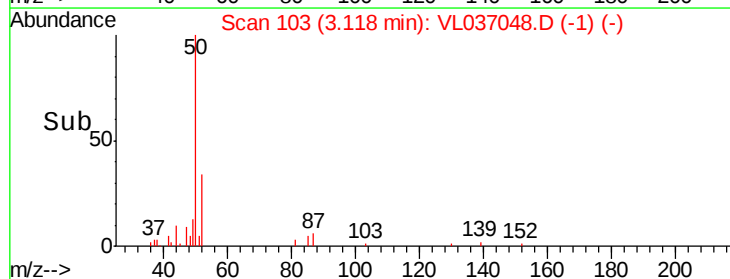
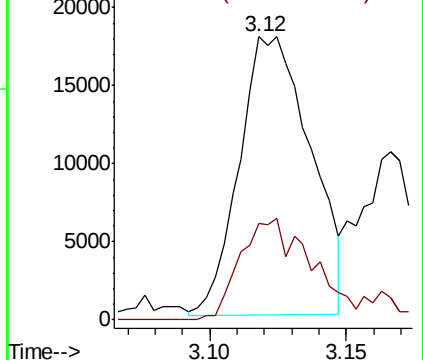
50 100

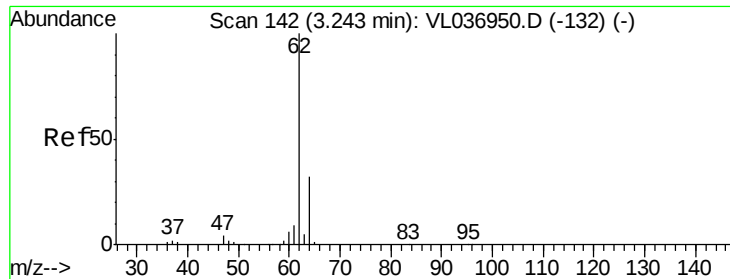
52 35.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.415 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

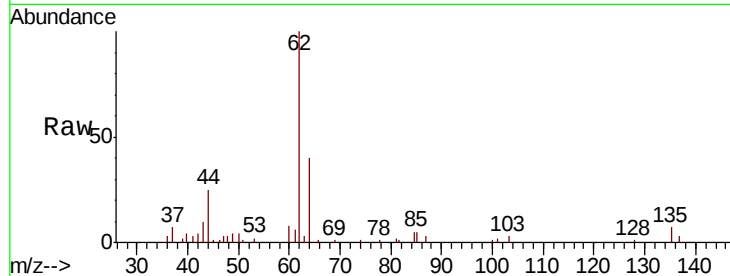
ClientSampleId :

Tot Ion: 62 Resp: 33829

Ion Ratio Lower Upper

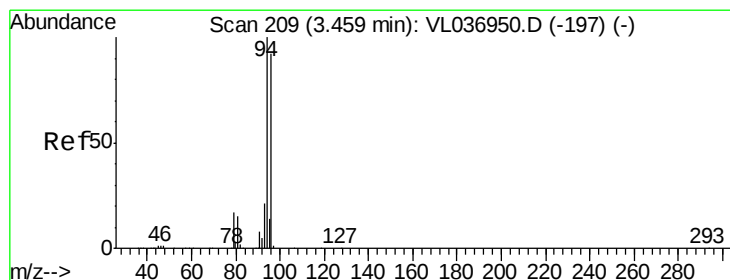
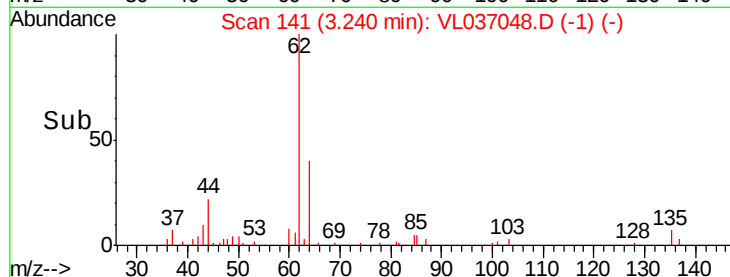
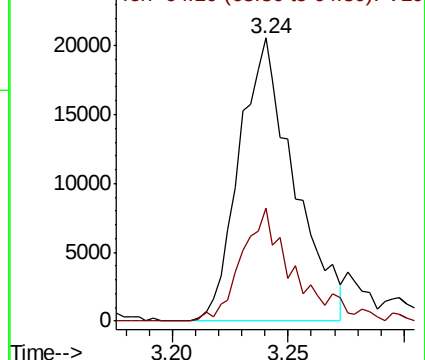
62 100

64 40.2 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.235 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL037048.D

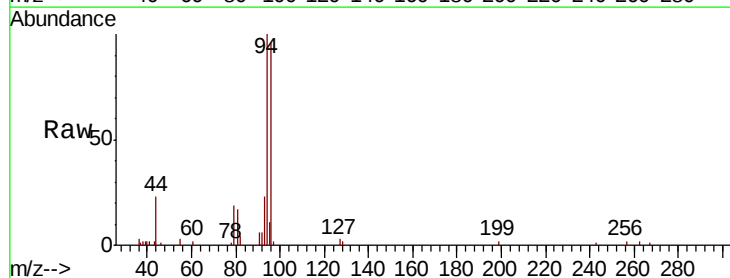
Acq: 24 May 2021 14:56

Tgt Ion: 94 Resp: 10080

Ion Ratio Lower Upper

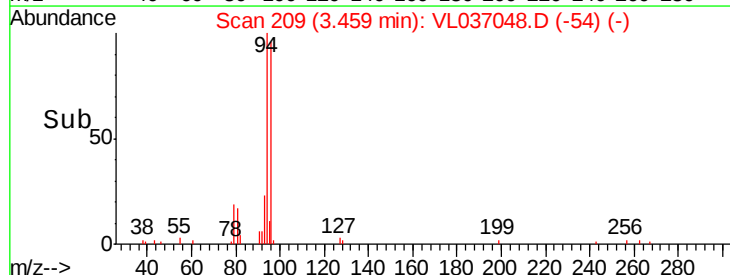
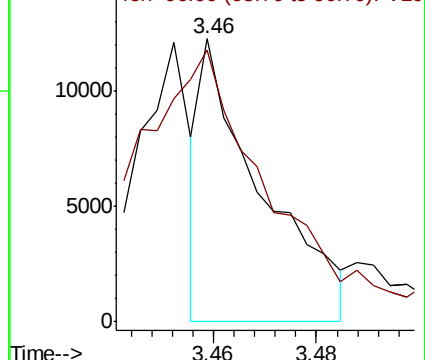
94 100

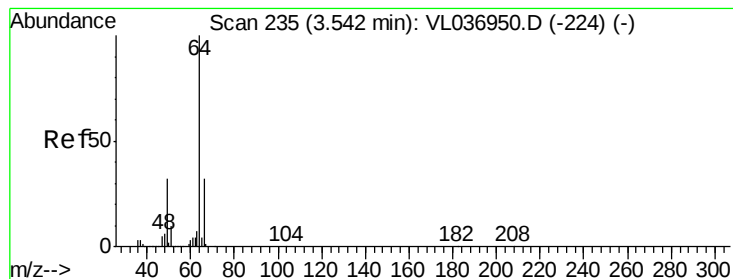
96 100.5 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.400 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

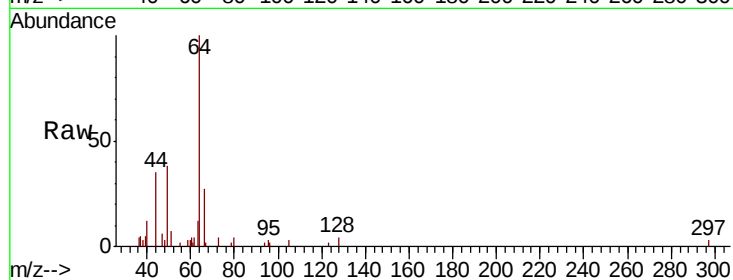
ClientSampled :

Tot Ion: 64 Resp: 10604

Ion Ratio Lower Upper

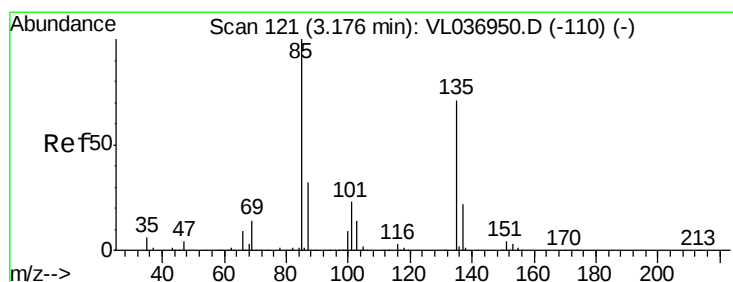
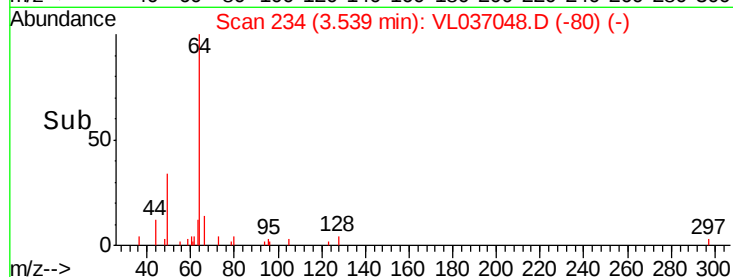
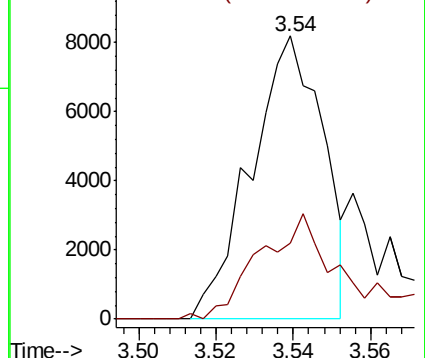
64 100

66 29.0 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.506 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL037048.D

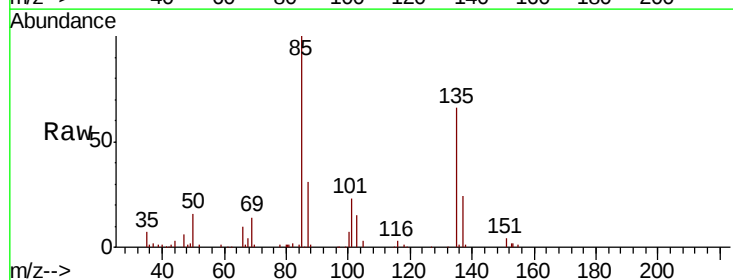
Acq: 24 May 2021 14:56

Tgt Ion: 85 Resp: 96481

Ion Ratio Lower Upper

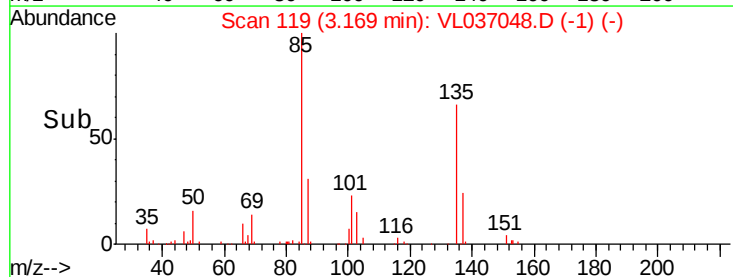
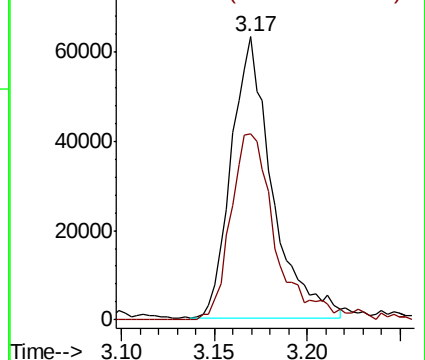
85 100

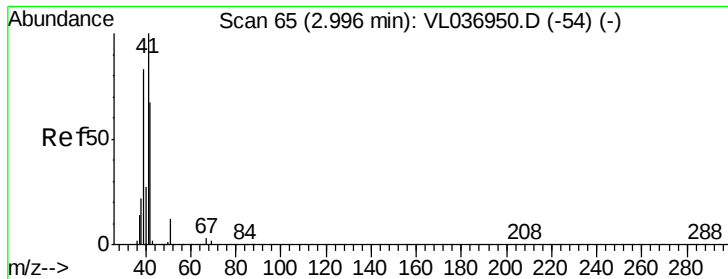
135 74.0 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.474 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

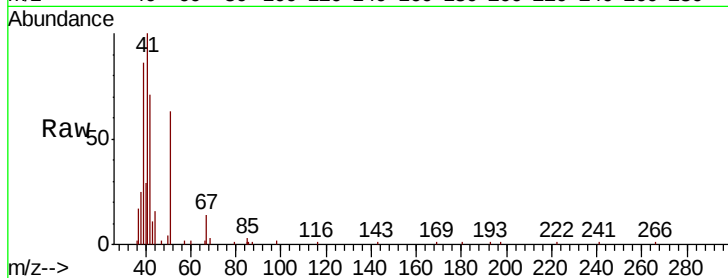
ClientSampleId :

Tot Ion: 41 Resp: 37247

Ion Ratio Lower Upper

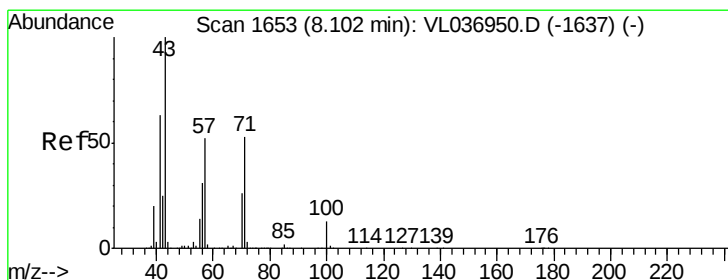
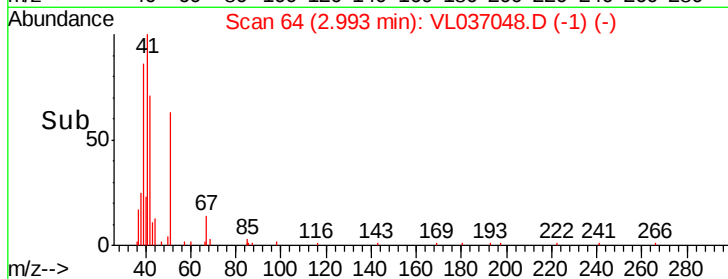
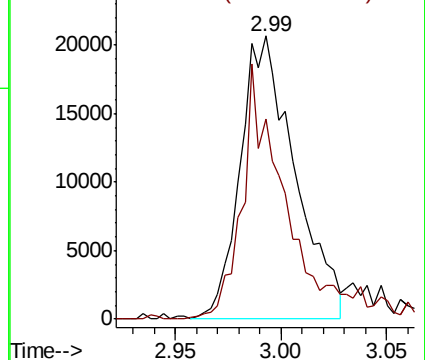
41 100

42 74.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.381 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL037048.D

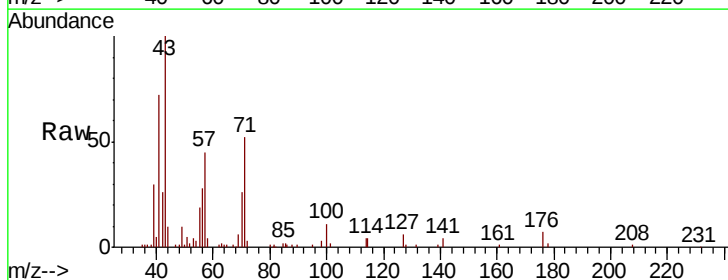
Acq: 24 May 2021 14:56

Tgt Ion: 43 Resp: 74532

Ion Ratio Lower Upper

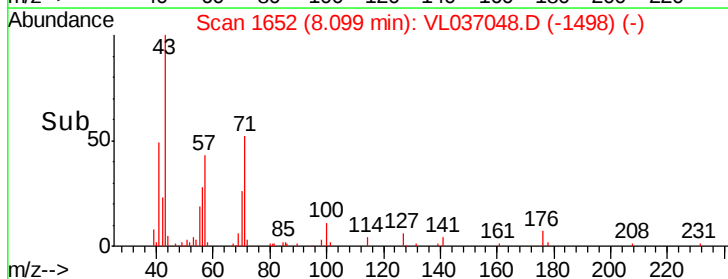
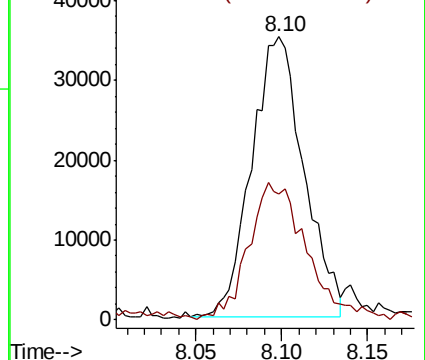
43 100

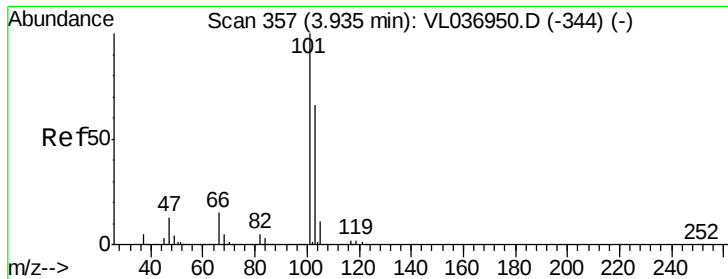
57 55.4 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.506 ppbv

RT: 3.93 min Scan# 354

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

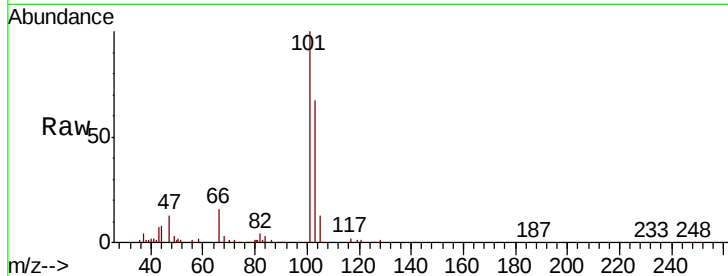
ClientSampleId :

Tot Ion:101 Resp: 95143

Ion Ratio Lower Upper

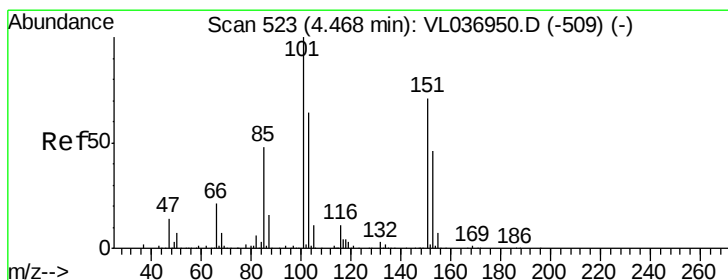
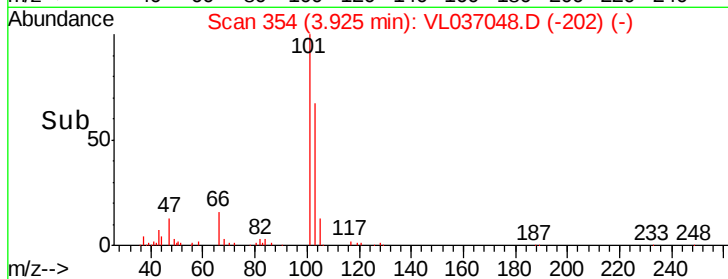
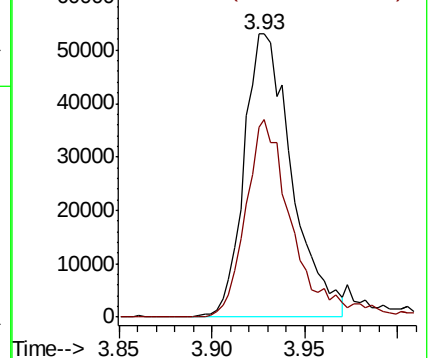
101 100

103 67.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.215 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037048.D

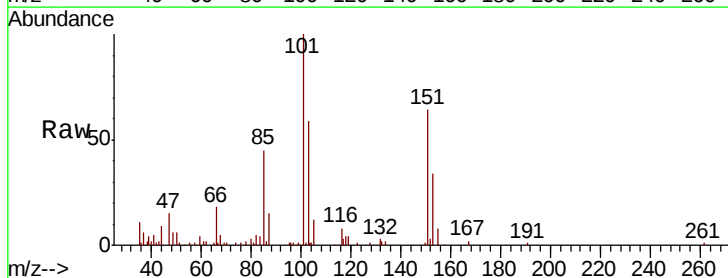
Acq: 24 May 2021 14:56

Tgt Ion:101 Resp: 28832

Ion Ratio Lower Upper

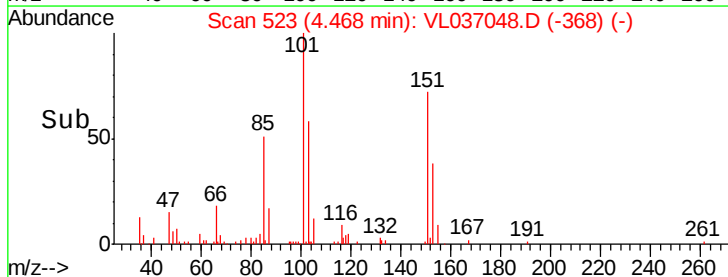
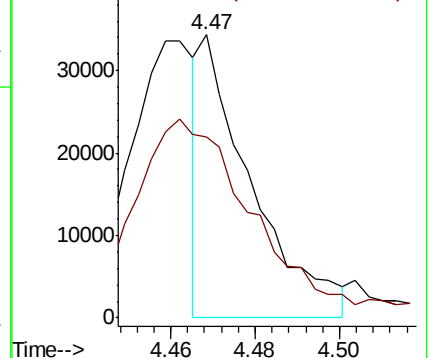
101 100

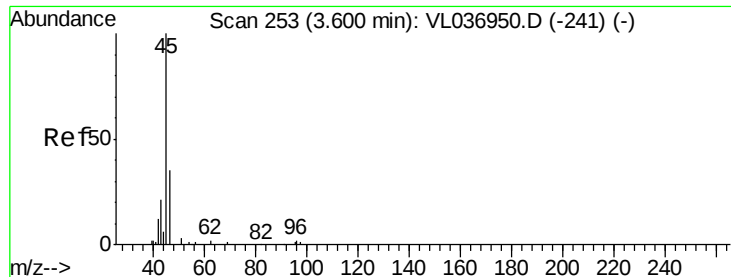
151 0.0 57.7 86.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

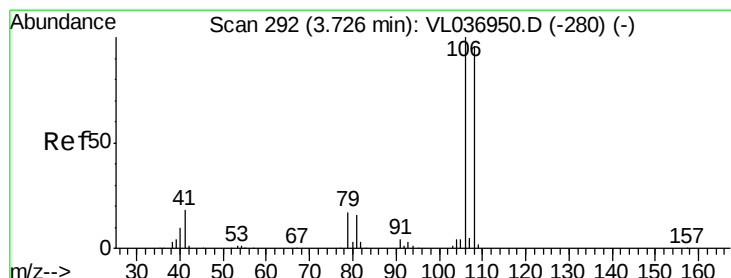
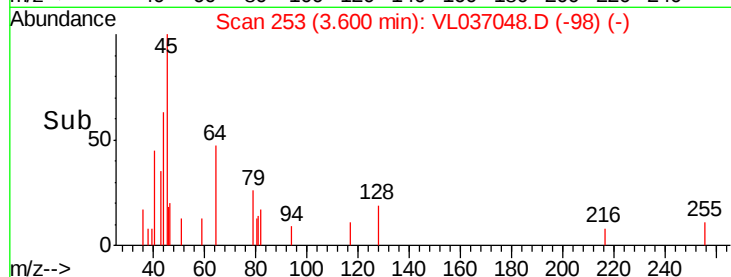
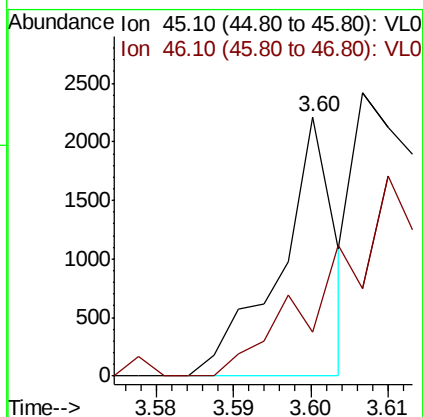
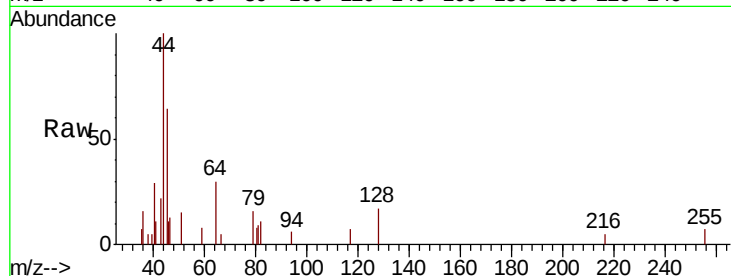




#13
Ethanol
Concen: 0.104 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

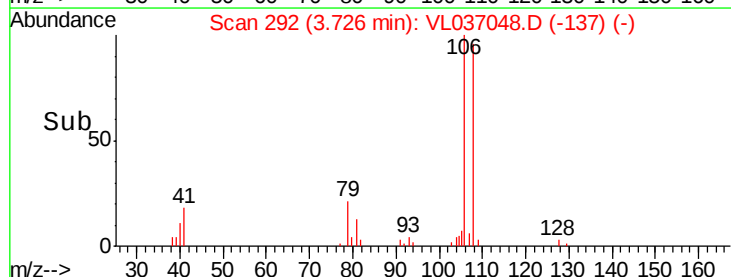
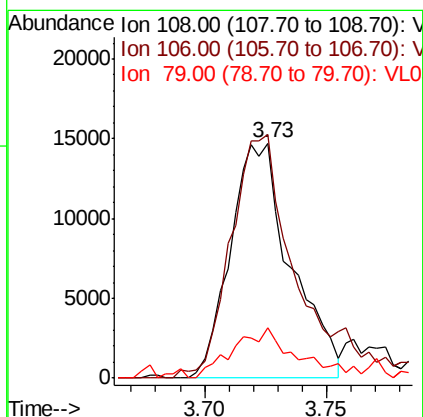
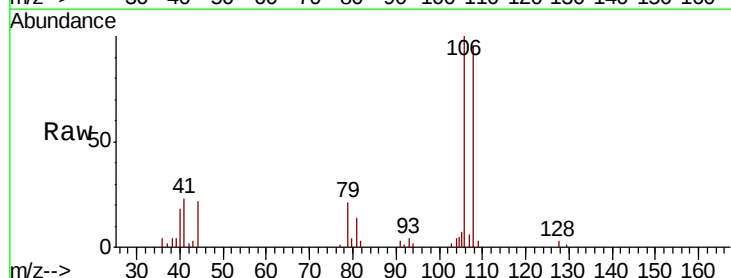
Instrument :
MSVOA_L
ClientSampleId :

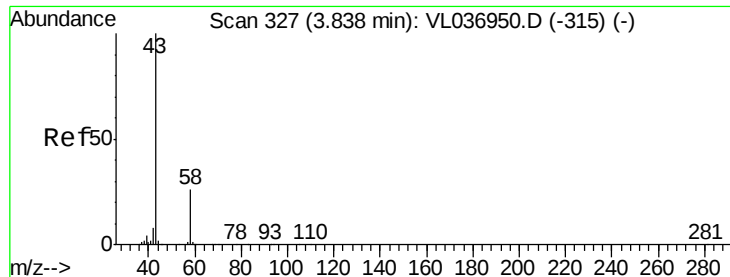
Tot Ion: 45 Resp: 1089
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#14
Bromoethene
Concen: 0.429 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion: 108 Resp: 25319
Ion Ratio Lower Upper
108 100
106 118.9 86.5 129.7
79 24.8 15.0 22.4#





#15

Acetone

Concen: 0.507 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

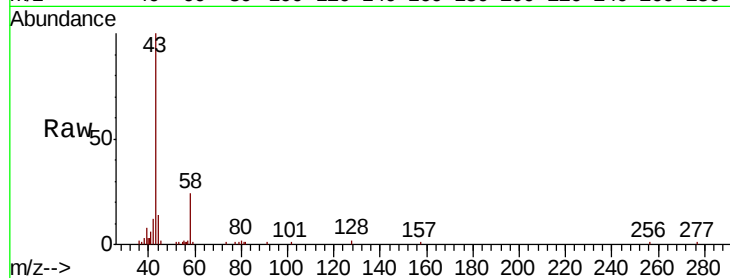
ClientSampleId :

Tot Ion: 43 Resp: 62111

Ion Ratio Lower Upper

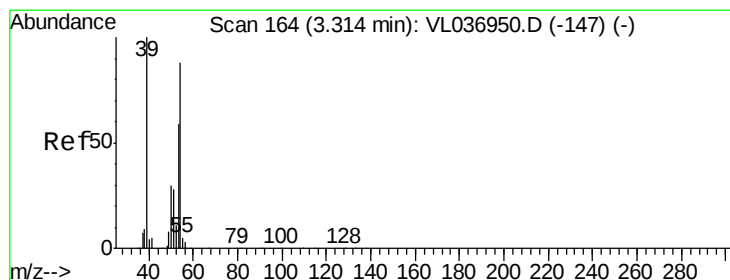
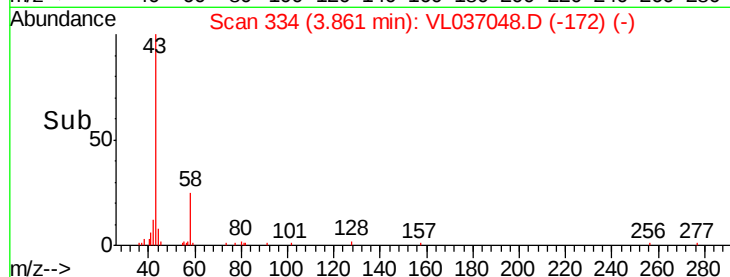
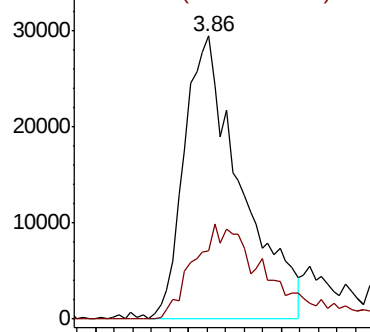
43 100

58 49.2 24.0 36.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.424 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL037048.D

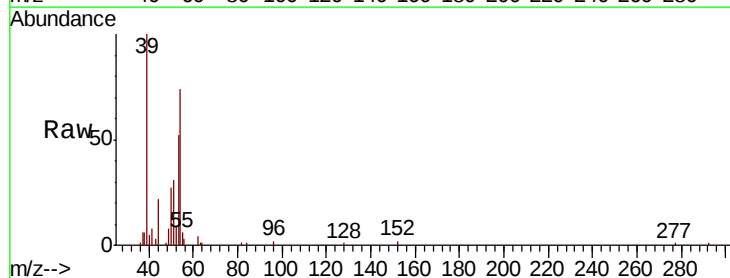
Acq: 24 May 2021 14:56

Tgt Ion: 39 Resp: 32322

Ion Ratio Lower Upper

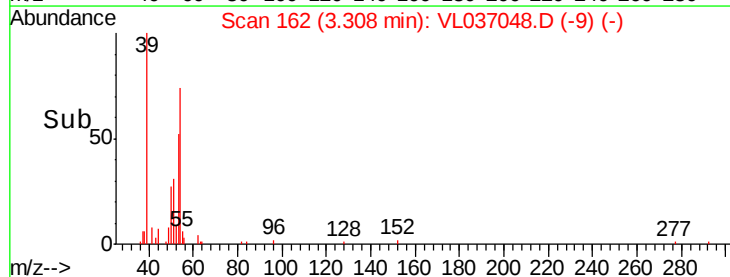
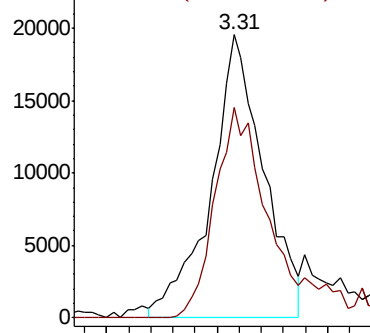
39 100

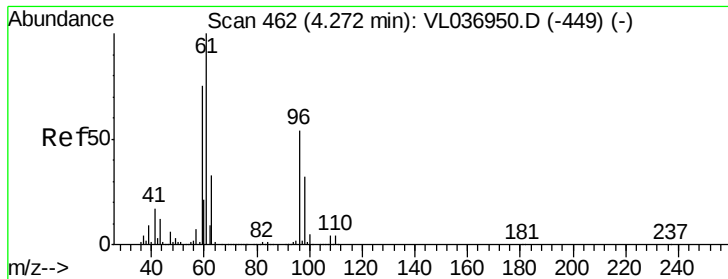
54 85.8 63.2 94.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#18

1,1-Dichloroethene

Concen: 0.219 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampled :

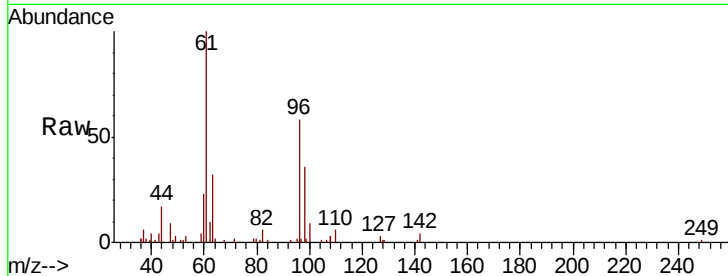
Tot Ion: 96 Resp: 13571

Ion Ratio Lower Upper

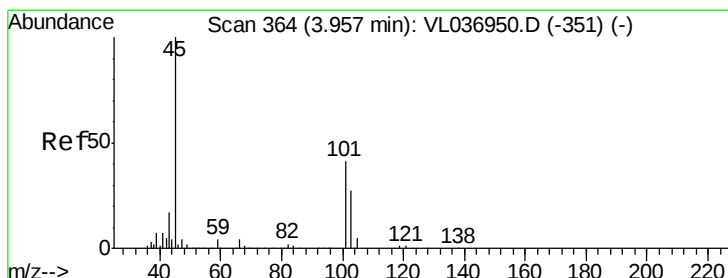
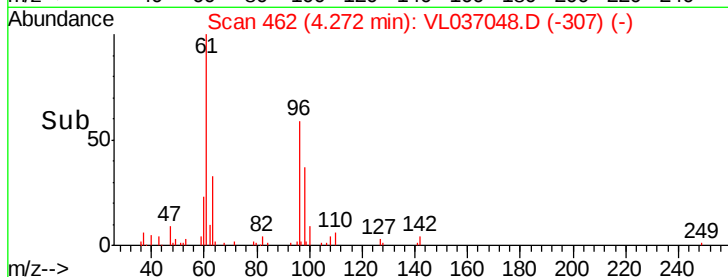
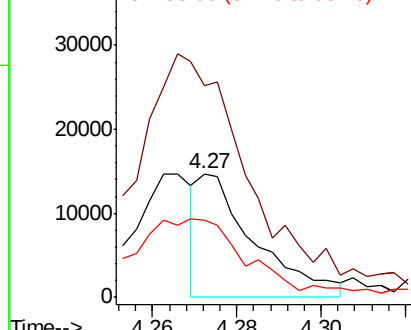
96 100

61 174.0 148.2 222.4

98 62.5 47.8 71.6



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.259 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037048.D

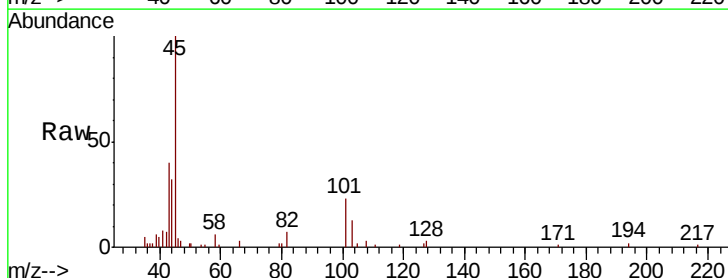
Acq: 24 May 2021 14:56

Tgt Ion: 45 Resp: 17092

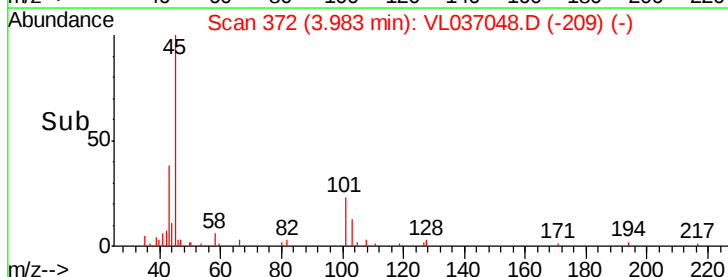
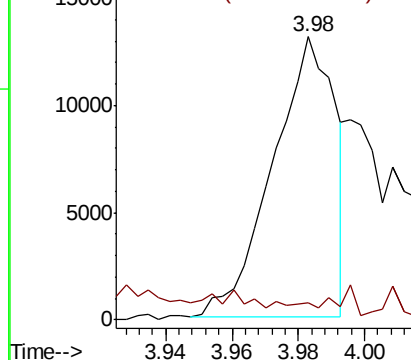
Ion Ratio Lower Upper

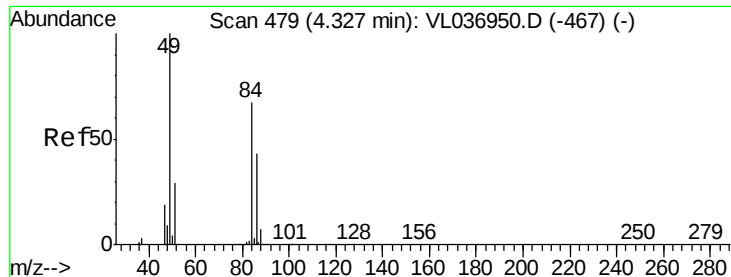
45 100

58 0.0 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

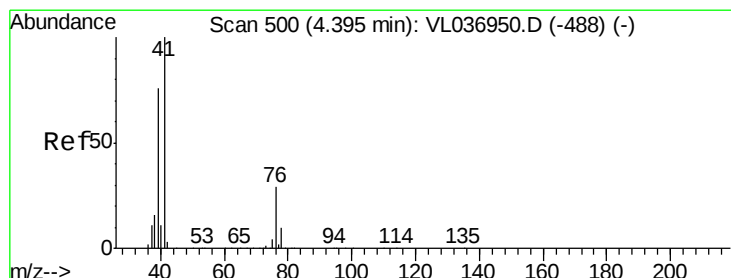
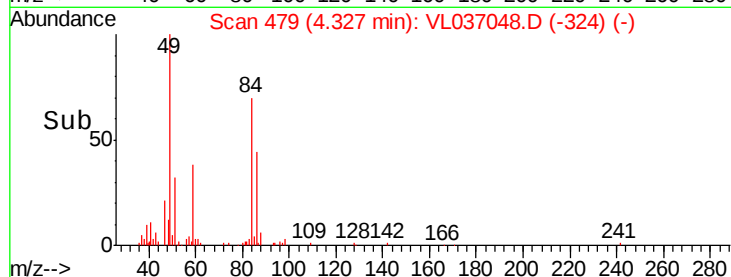
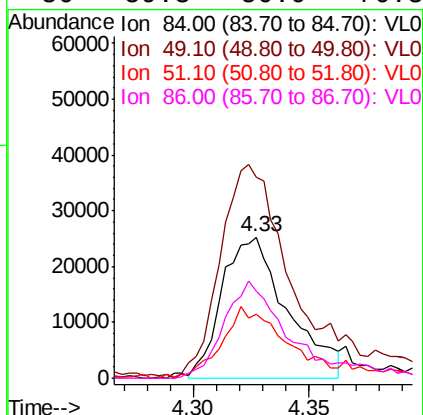
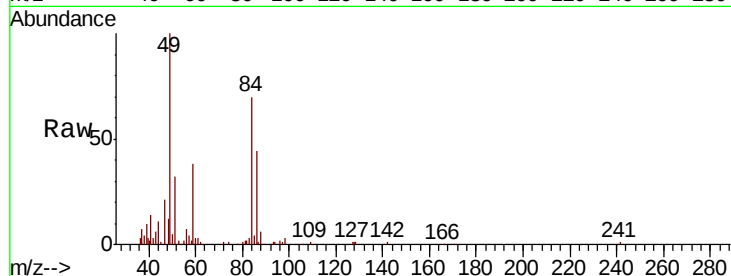




#20
Methvlene Chloride
Concen: 0.753 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

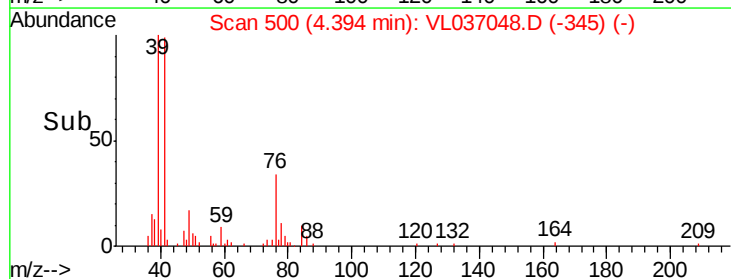
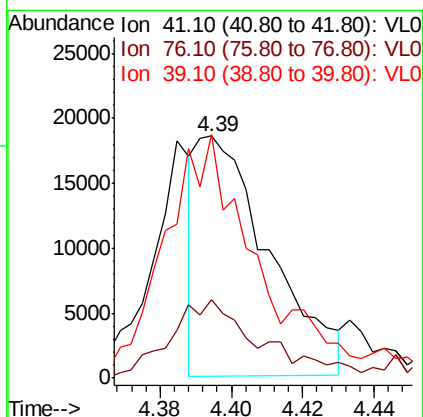
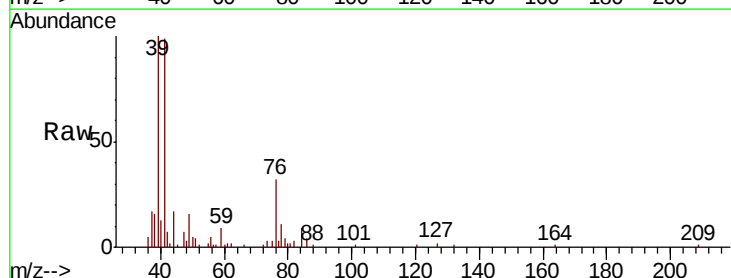
Instrument :
MSVOA_L
ClientSampleId :

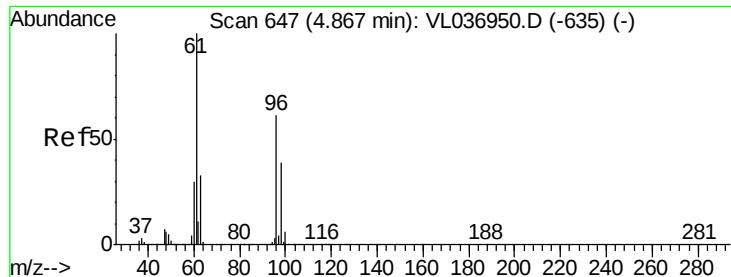
Tot Ion:	84	Resp:	49466
Ion	Ratio	Lower	Upper
84	100		
49	134.2	119.8	179.6
51	43.7	35.1	52.7
86	59.3	50.9	76.3



#21
Allyl Chloride
Concen: 0.283 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion:	41	Resp:	26147
Ion	Ratio	Lower	Upper
41	100		
76	46.5	24.9	37.3#
39	139.2	63.7	95.5#





#22

trans-1,2-Dichloroethene

Concen: 0.298 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

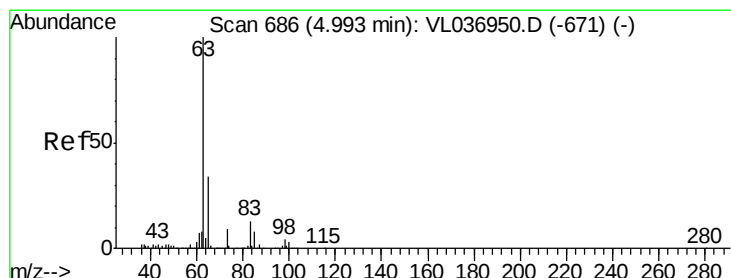
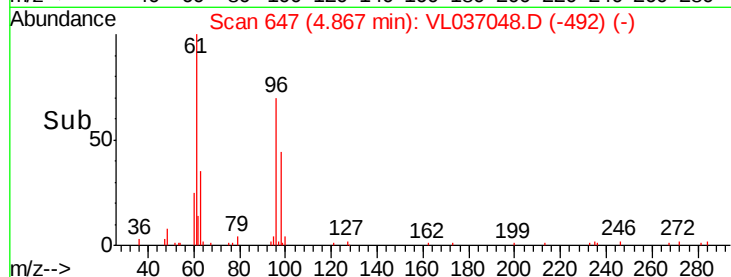
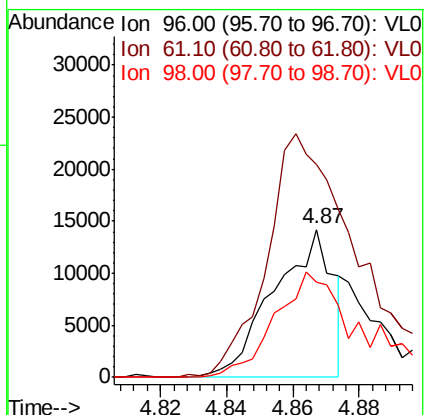
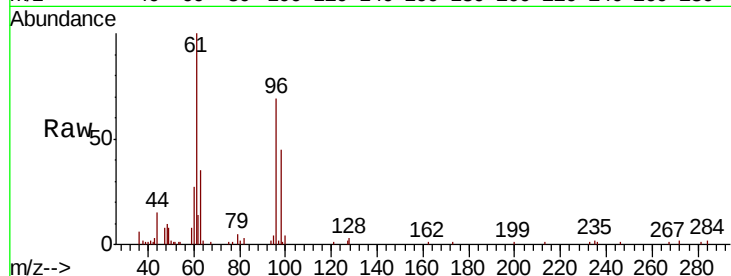
Tot Ion: 96 Resp: 17681

Ion Ratio Lower Upper

96 100

61 142.4 130.6 196.0

98 64.1 50.8 76.2



#24

1,1-Dichloroethane

Concen: 0.428 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

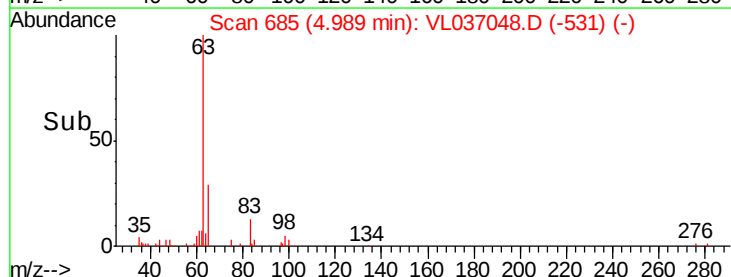
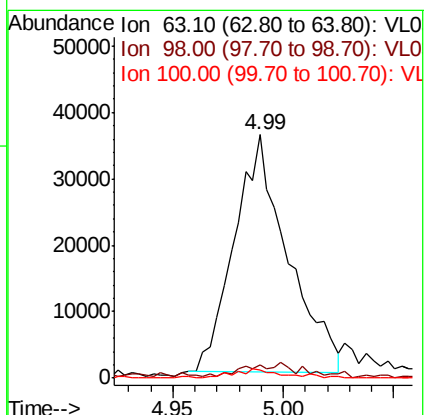
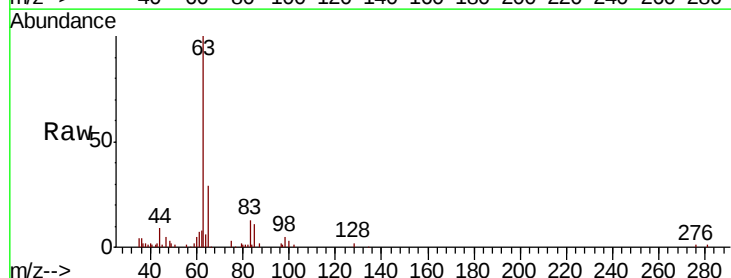
Tgt Ion: 63 Resp: 60014

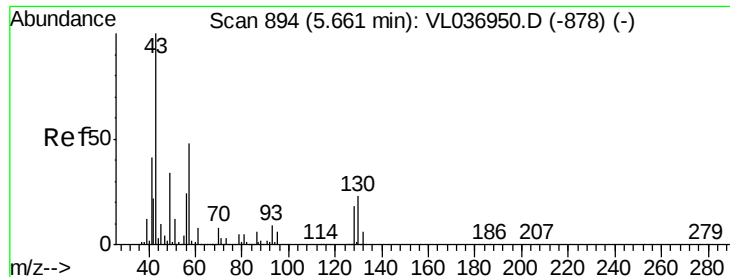
Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

100 2.6 1.4 4.0





#25

Ethyl Acetate

Concen: 0.393 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 115746

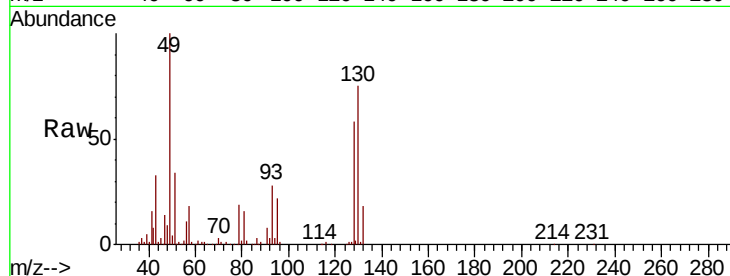
Ion Ratio Lower Upper

43 100

45 10.1 7.8 11.8

61 9.1 7.8 11.8

70 6.7 5.6 8.4

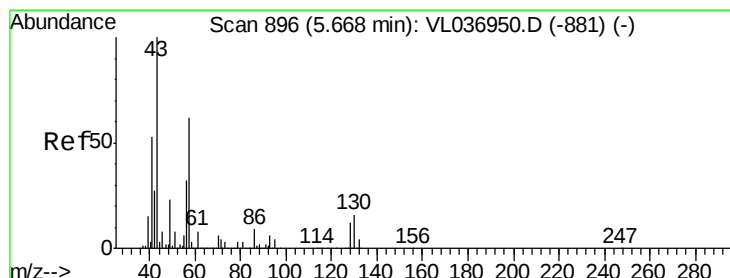
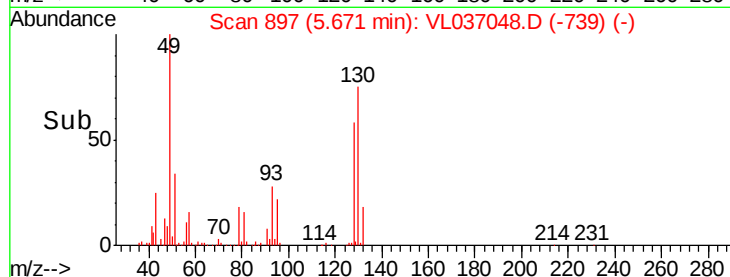
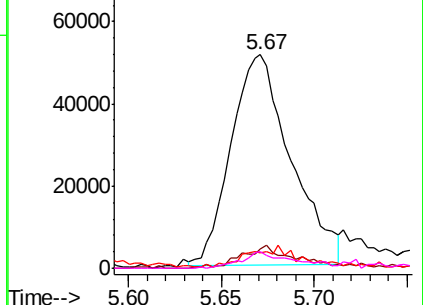


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.212 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Tgt Ion: 57 Resp: 31925

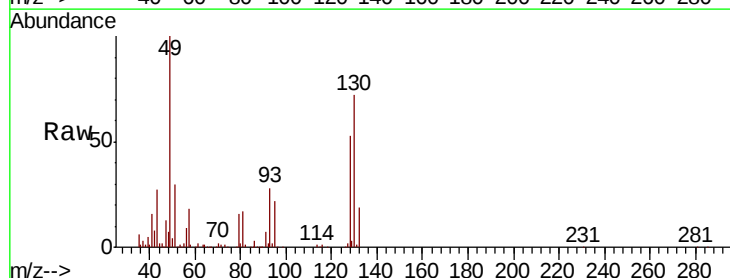
Ion Ratio Lower Upper

57 100

41 0.0 70.5 105.7#

43 420.7 165.8 248.8#

56 130.5 42.2 63.4#

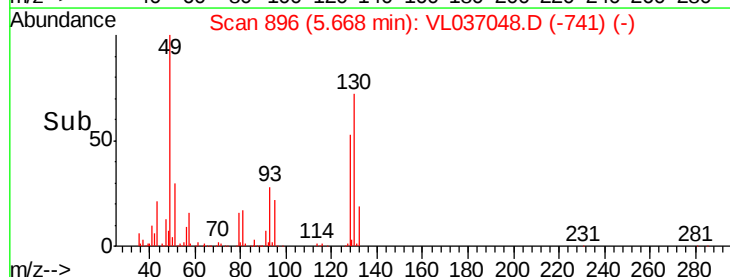
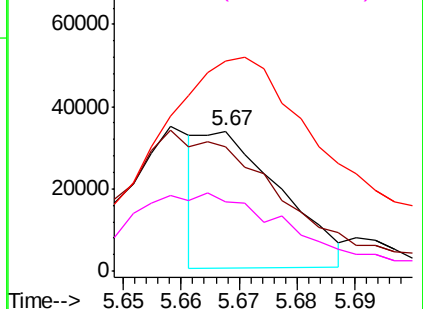


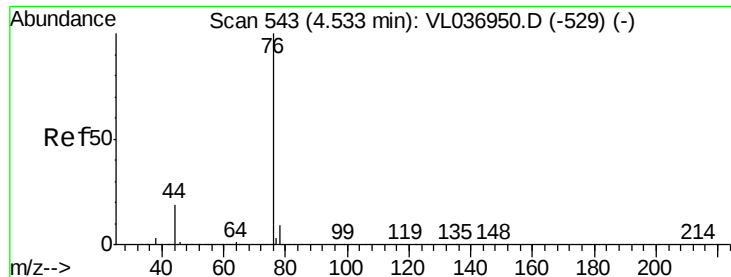
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.273 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

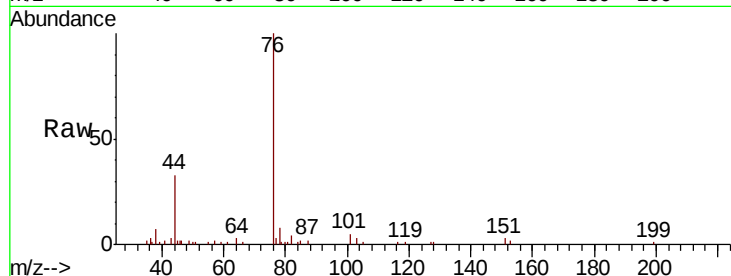
Tot Ion: 76 Resp: 41420

Ion Ratio Lower Upper

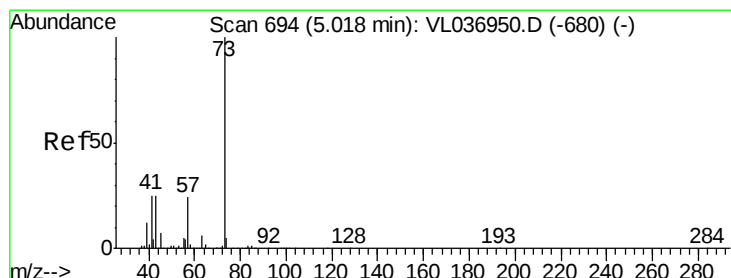
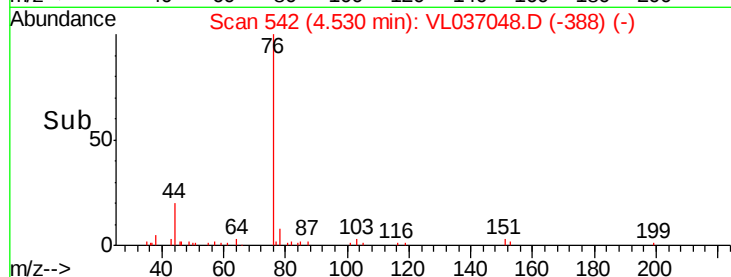
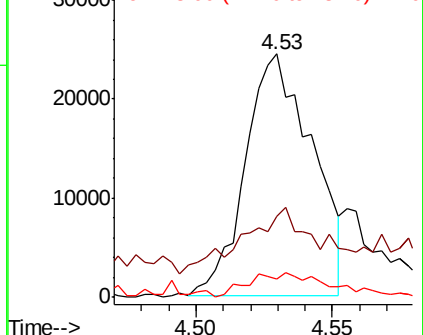
76 100

44 36.0 15.5 23.3#

78 13.6 7.8 11.6#



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: 0.434 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.02 min

Lab File: VL037048.D

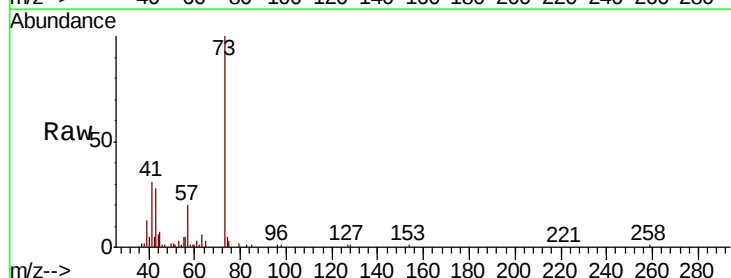
Acq: 24 May 2021 14:56

Tgt Ion: 73 Resp: 78246

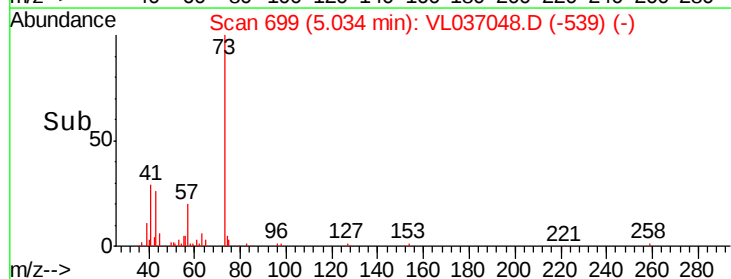
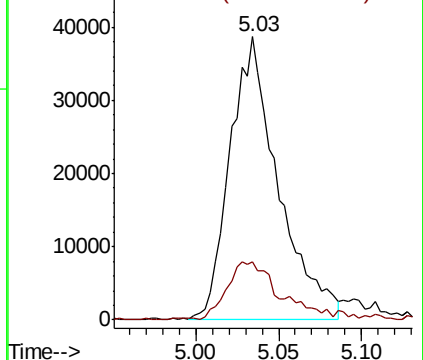
Ion Ratio Lower Upper

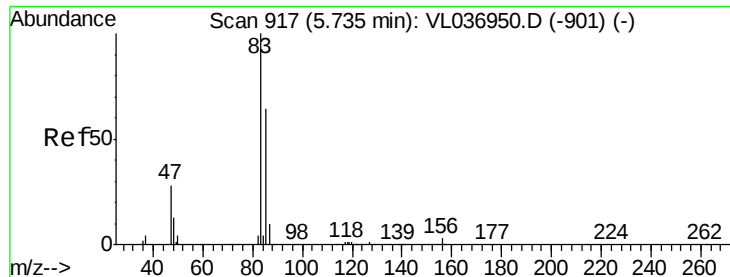
73 100

57 24.3 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.253 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

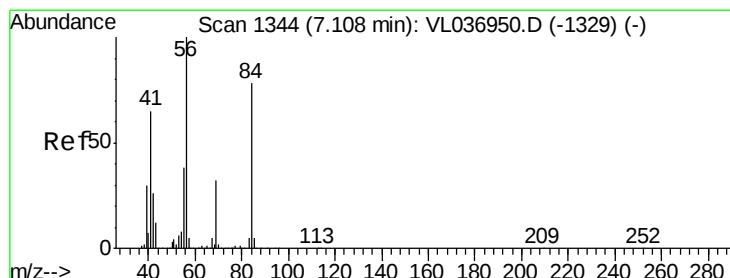
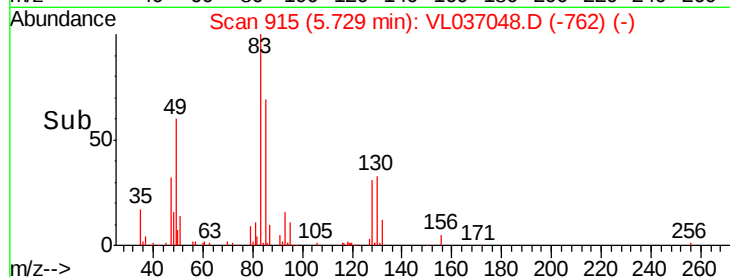
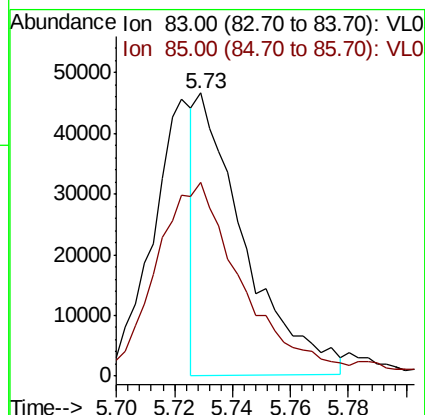
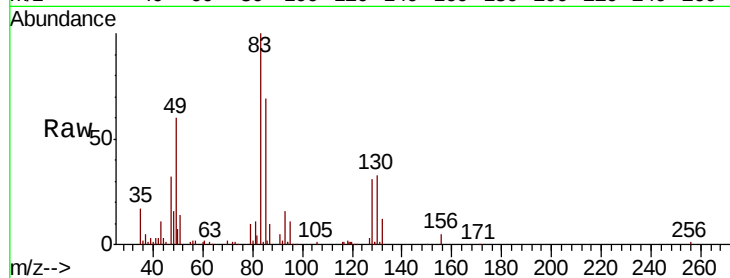
ClientSampleId :

Tot Ion: 83 Resp: 53897

Ion Ratio Lower Upper

83 100

85 68.5 51.1 76.7



#30

Cyclohexane

Concen: 0.205 ppbv

RT: 7.10 min Scan# 1342

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

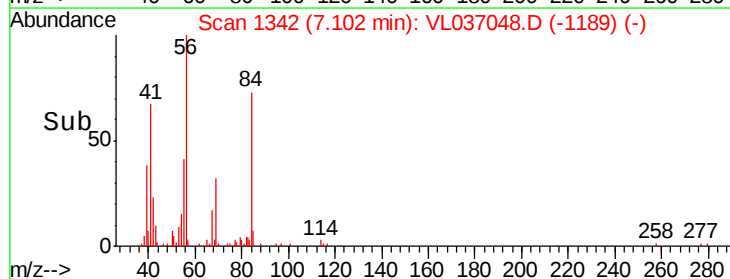
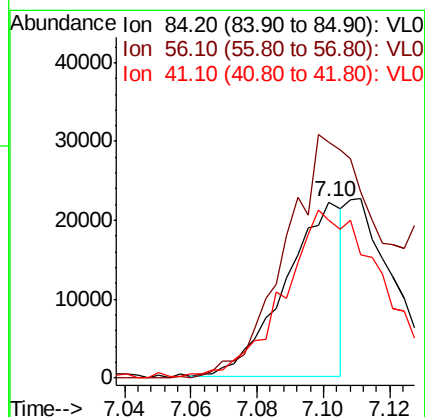
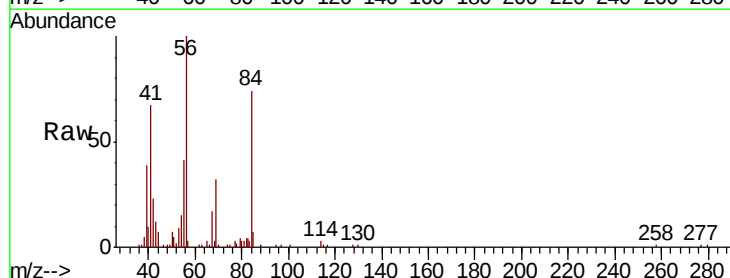
Tgt Ion: 84 Resp: 26262

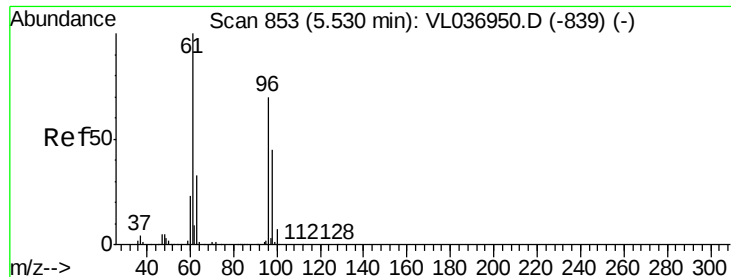
Ion Ratio Lower Upper

84 100

56 227.9 107.9 161.9#

41 185.6 65.5 98.3#



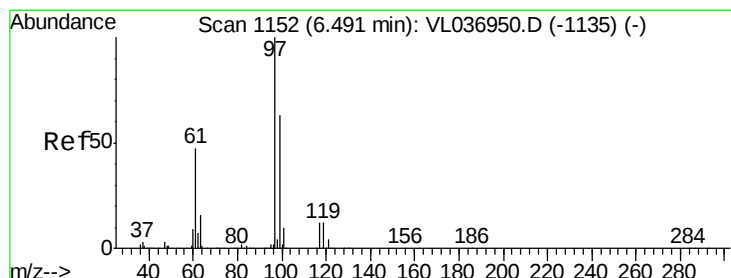
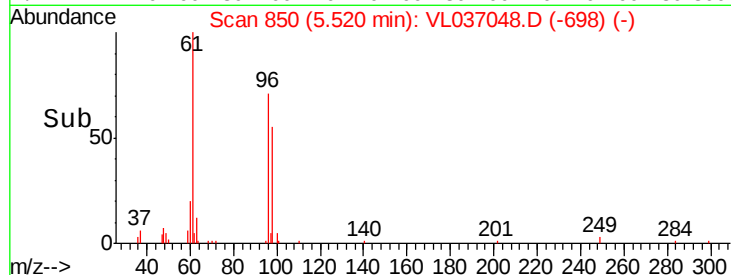
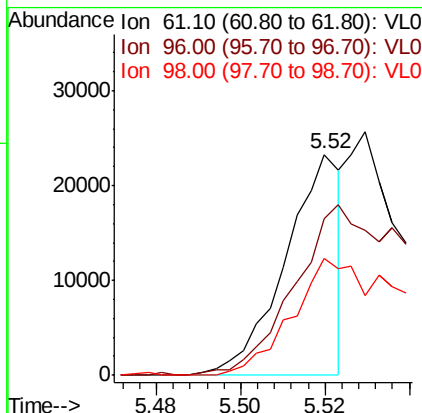
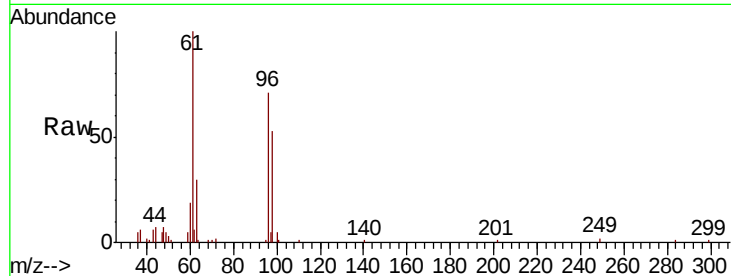


#31

cis-1,2-Dichloroethene
 Concen: 0.157 ppbv
 RT: 5.52 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

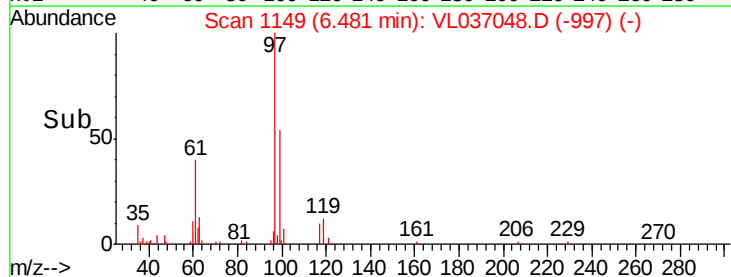
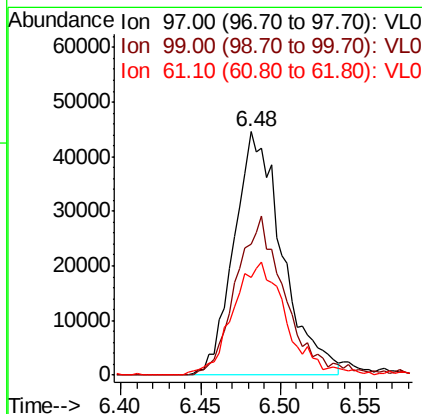
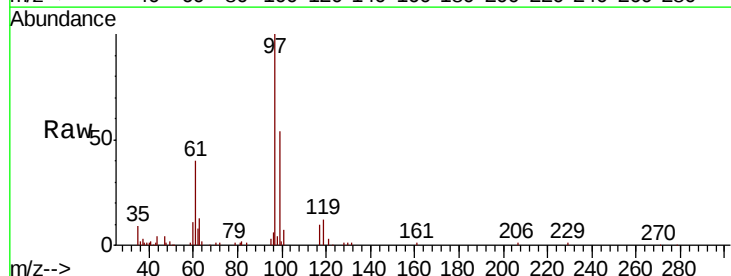
Tot Ion	61	Resp	21250
Ion Ratio	Lower	Upper	
61	100		
96	71.0	55.9	83.9
98	52.8	35.6	53.4

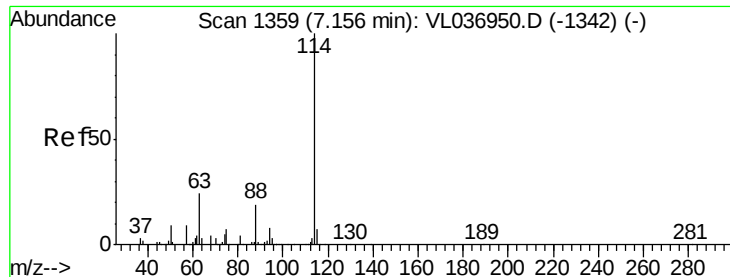


#32

1,1,1-Trichloroethane
 Concen: 0.404 ppbv
 RT: 6.48 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion	97	Resp	92151
Ion Ratio	Lower	Upper	
97	100		
99	66.5	51.9	77.9
61	52.3	37.6	56.4

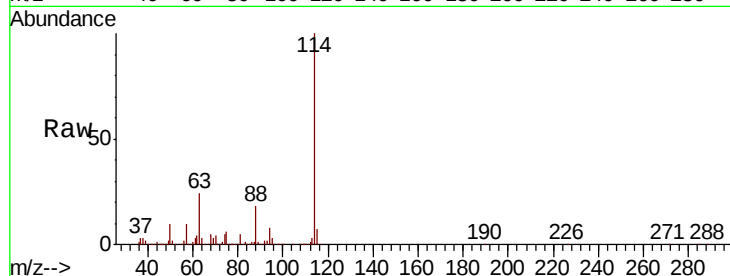




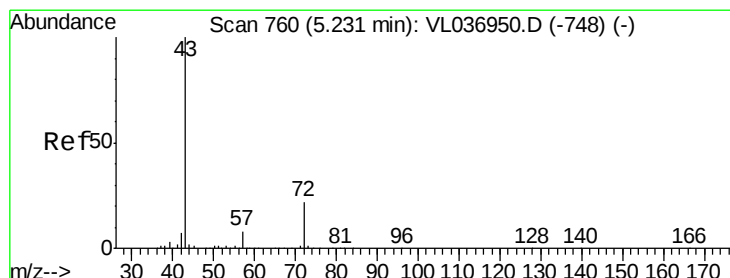
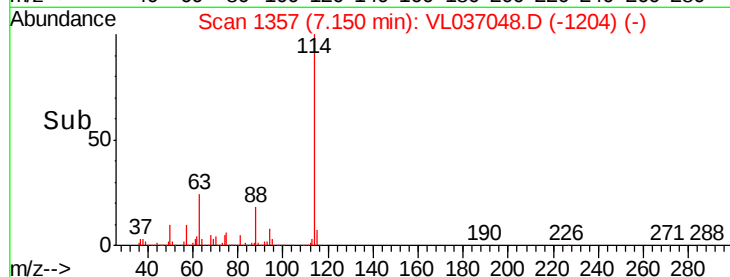
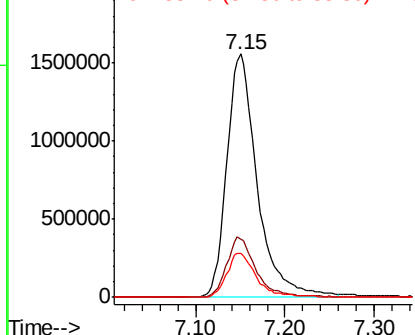
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3681842
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.9 14.6 21.8

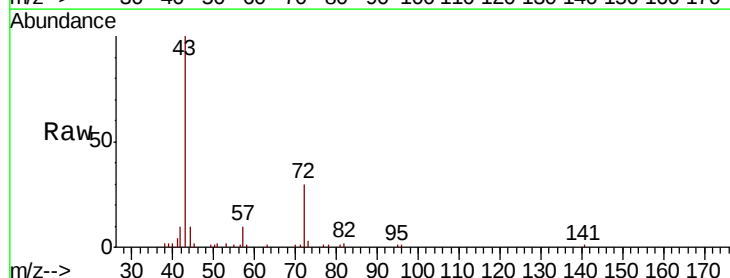


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

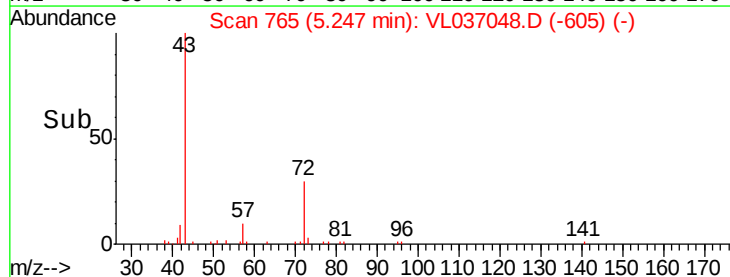
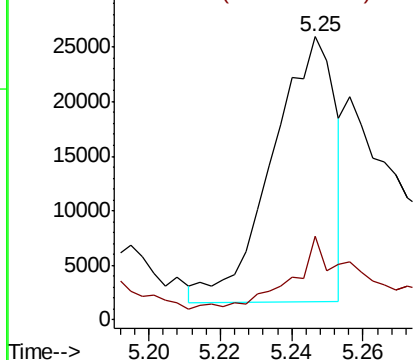


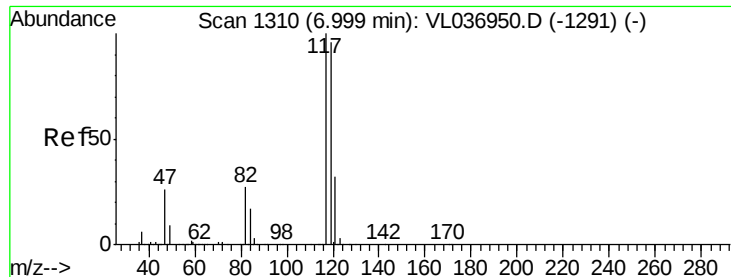
#34
 2-Butanone
 Concen: 0.222 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion: 43 Resp: 29807
 Ion Ratio Lower Upper
 43 100
 72 46.9 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.350 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampled :

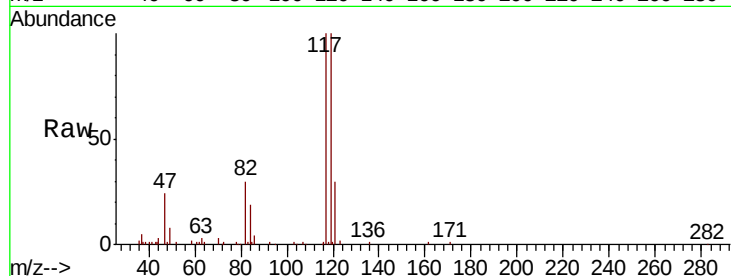
Tot Ion:117 Resp: 85608

Ion Ratio Lower Upper

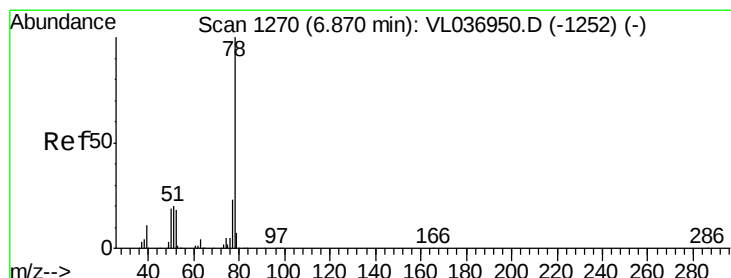
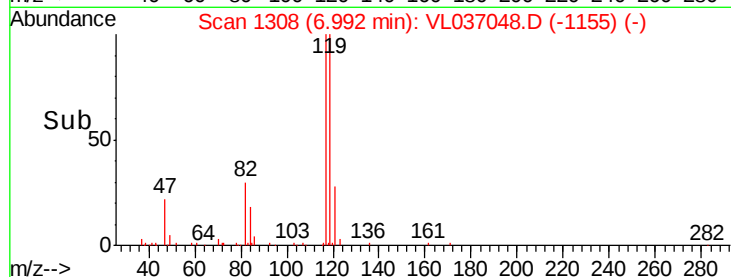
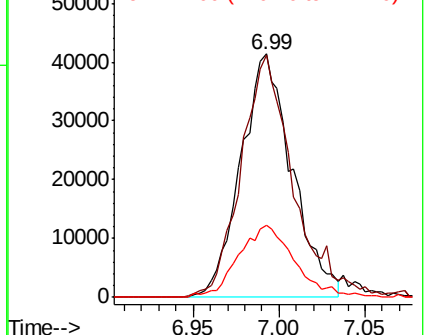
117 100

119 98.7 76.6 114.8

121 29.6 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.395 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

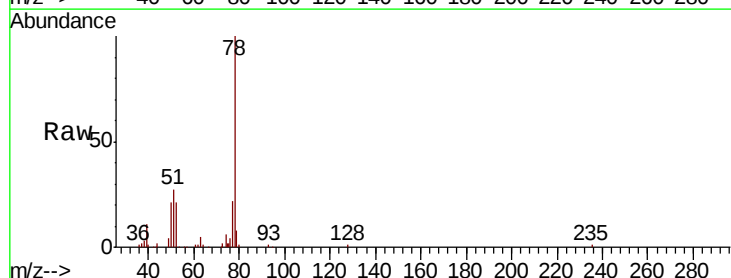
Tgt Ion: 78 Resp: 125212

Ion Ratio Lower Upper

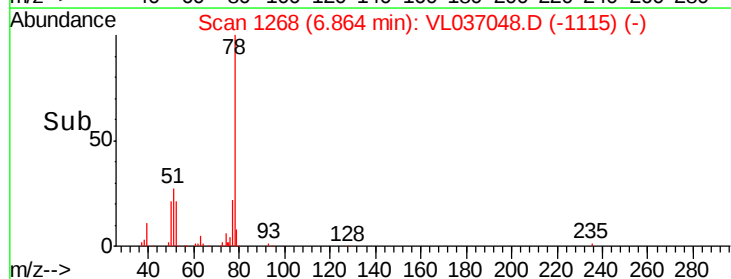
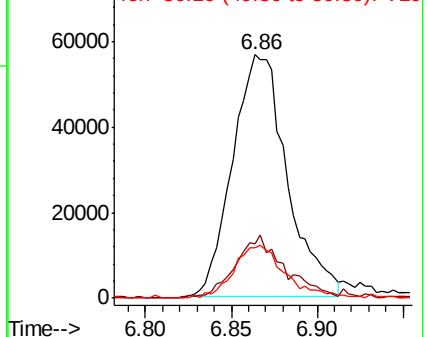
78 100

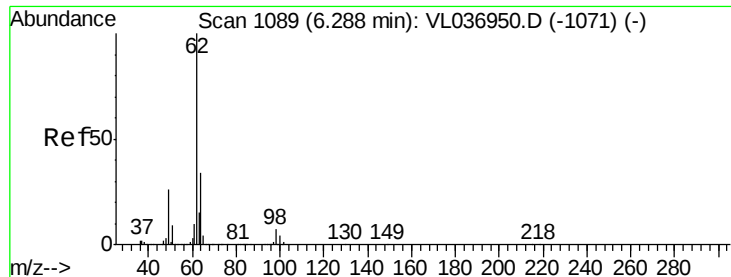
77 21.9 18.6 28.0

50 19.8 15.0 22.4



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

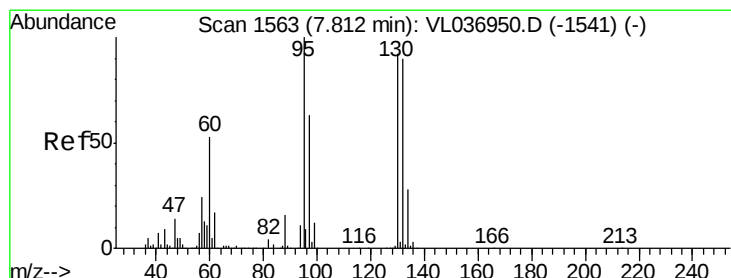
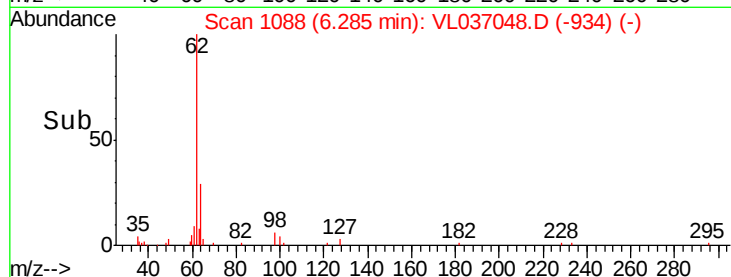
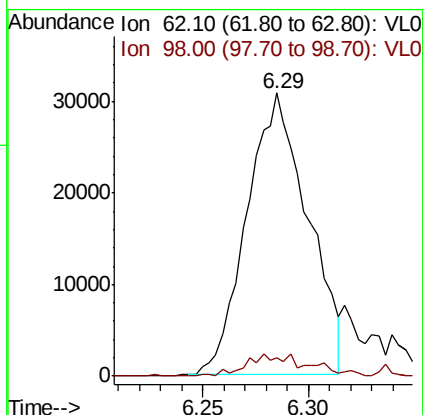
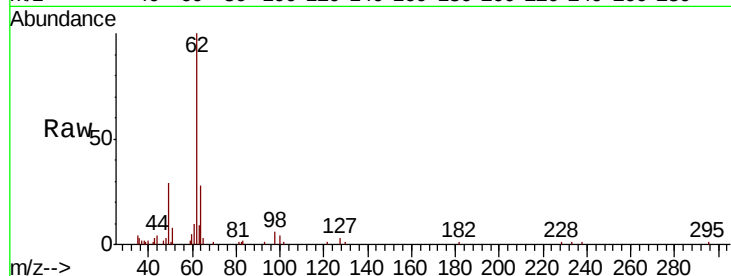




#37
 1,2-Dichloroethane
 Concen: 0.391 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

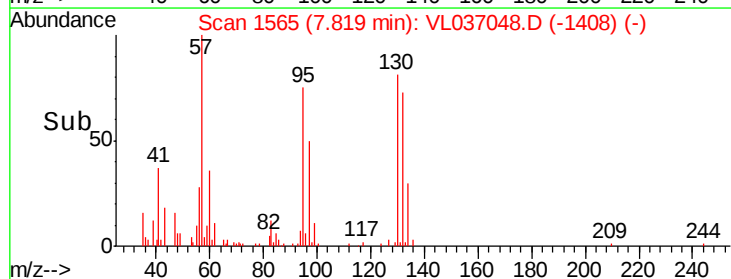
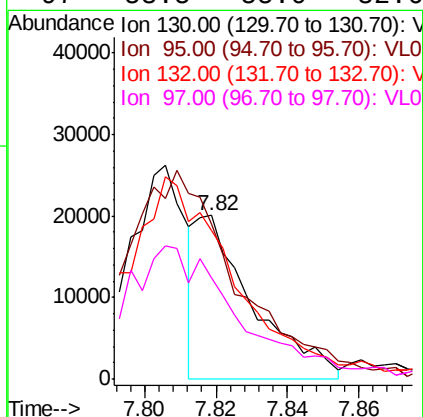
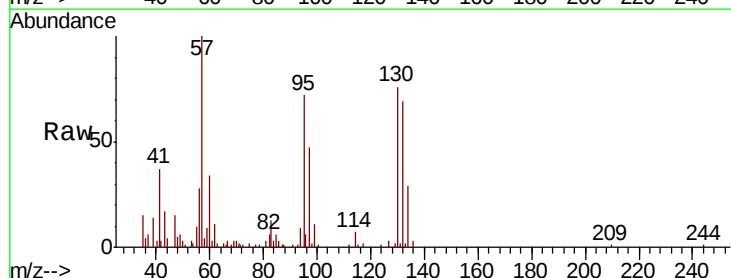
Instrument :
 MSVOA_L
 ClientSampleId :

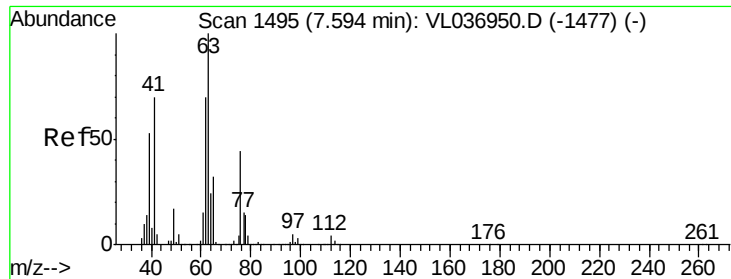
Tot Ion: 62 Resp: 61538
 Ion Ratio Lower Upper
 62 100
 98 8.5 5.5 8.3#



#38
 Trichloroethene
 Concen: 0.164 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion: 130 Resp: 22202
 Ion Ratio Lower Upper
 130 100
 95 88.8 86.9 130.3
 132 87.0 78.4 117.6
 97 58.5 55.0 82.6

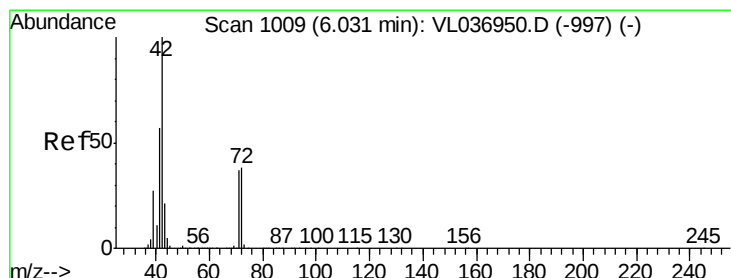
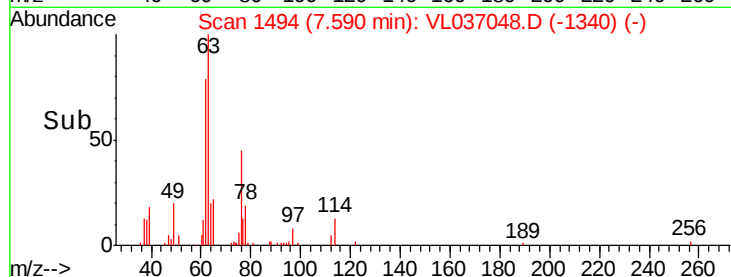
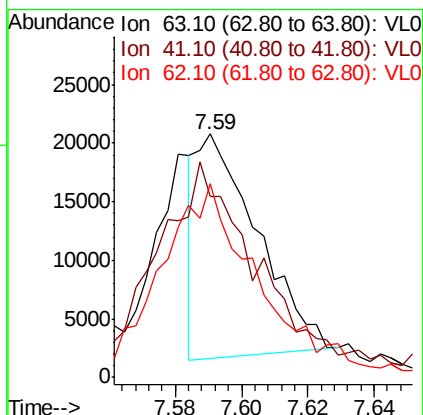
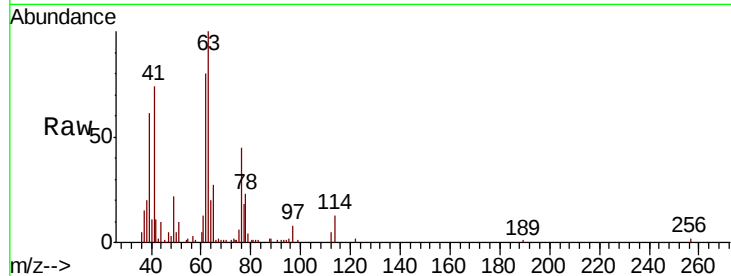




#39
 1,2-Dichloropropane
 Concen: 0.198 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

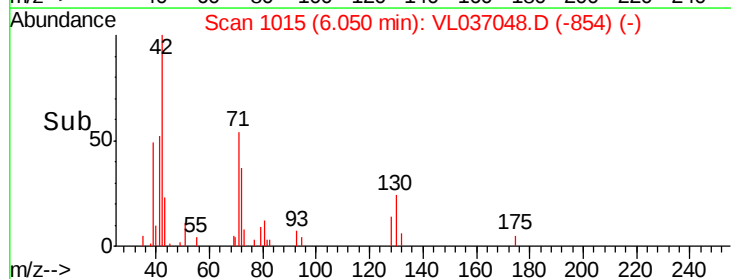
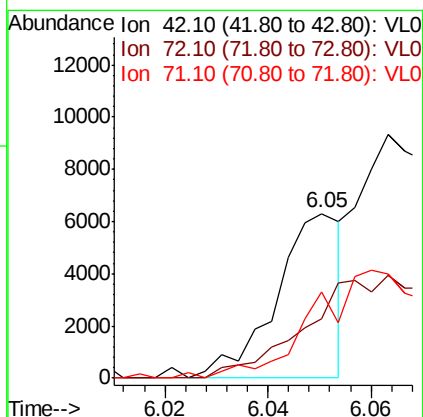
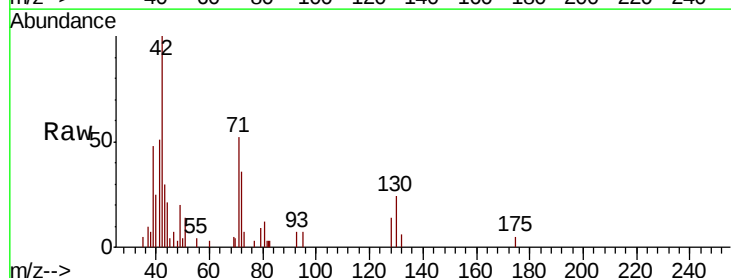
Instrument :
 MSVOA_L
 ClientSampleId :

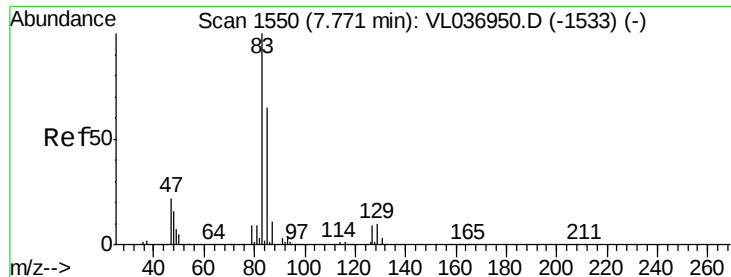
Tot Ion: 63 Resp: 24149
 Ion Ratio Lower Upper
 63 100
 41 74.3 55.7 83.5
 62 74.8 56.2 84.4



#41
 Tetrahydrofuran
 Concen: 0.073 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. 0.02 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion: 42 Resp: 5552
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.4 47.2#
 71 0.0 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.330 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

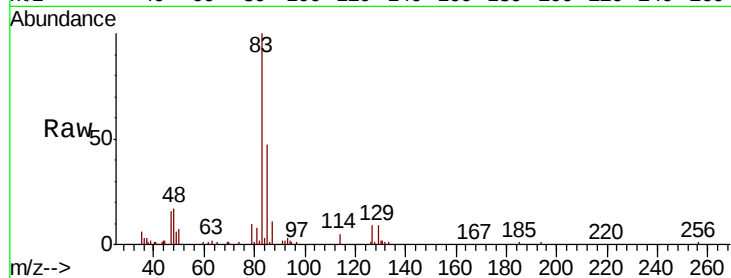
Tot Ion: 83 Resp: 78544

Ion Ratio Lower Upper

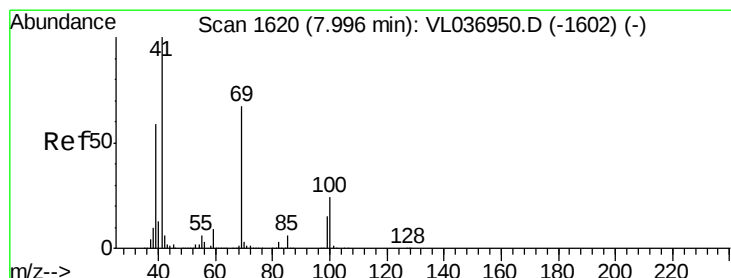
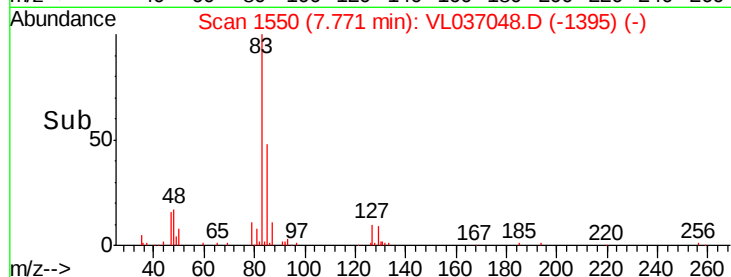
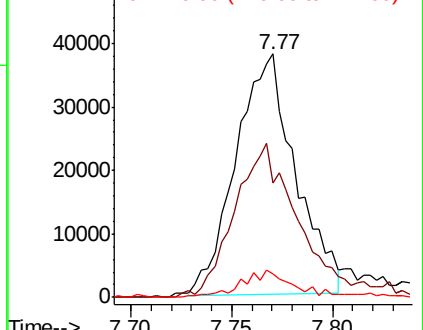
83 100

85 45.3 51.7 77.5#

127 9.2 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.230 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. 0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

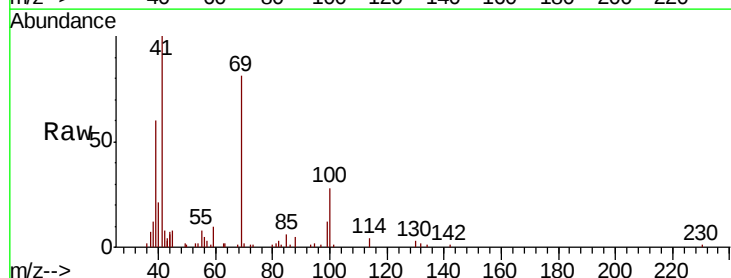
Tgt Ion: 69 Resp: 25174

Ion Ratio Lower Upper

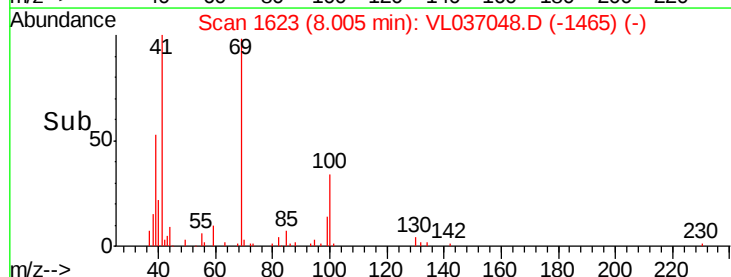
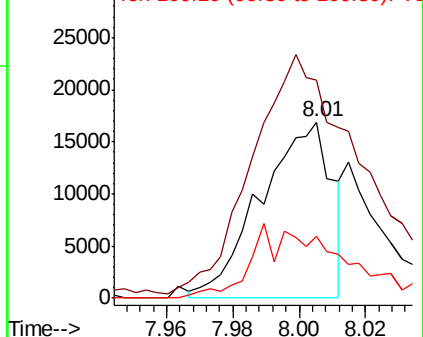
69 100

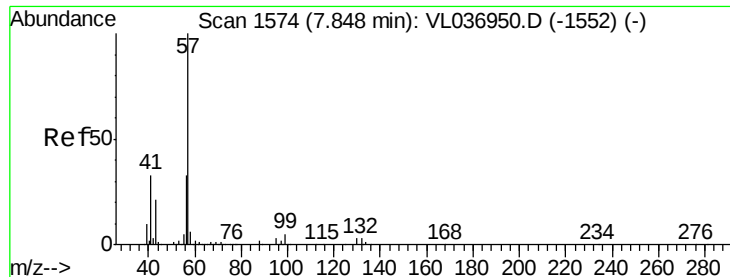
41 218.9 118.6 178.0#

100 55.1 28.2 42.4#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

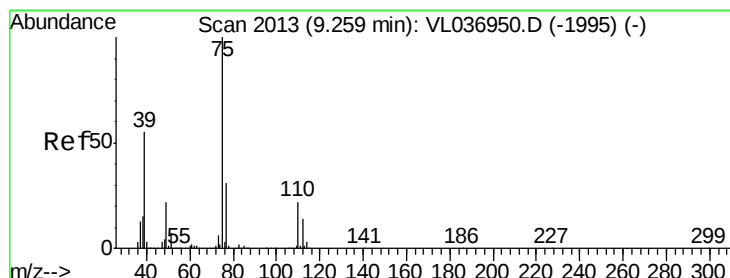
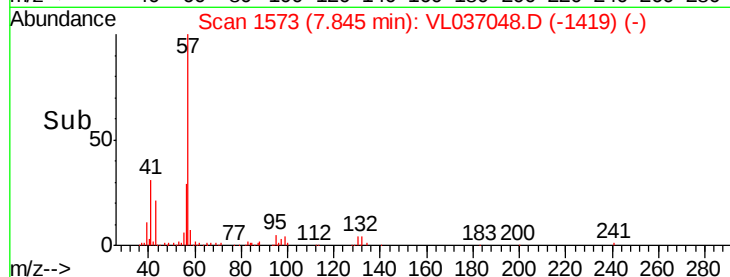
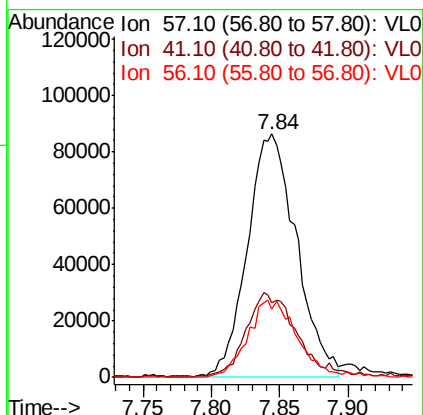
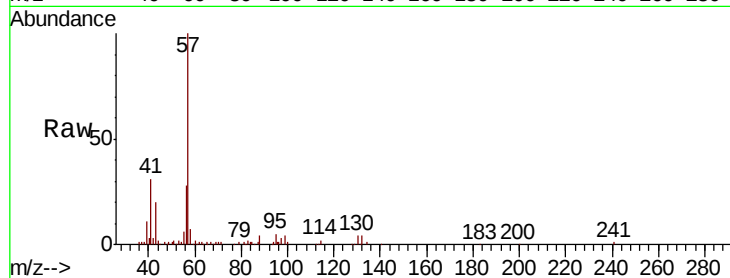




#44
 2,2,4-Trimethylpentane
 Concen: 0.397 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

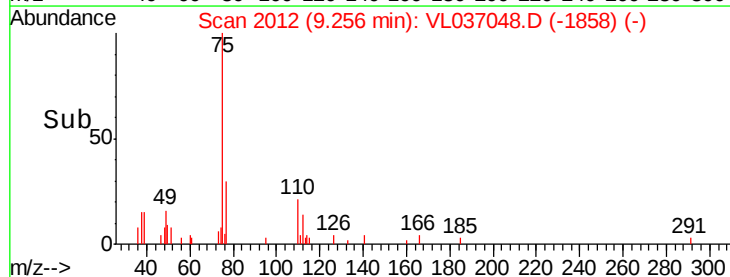
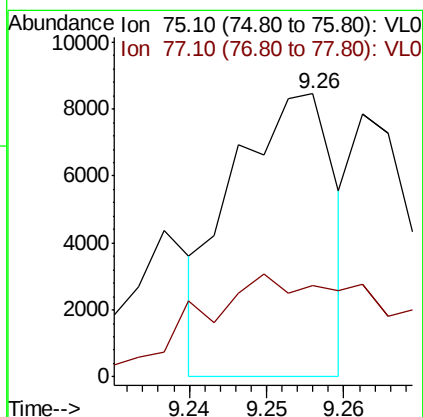
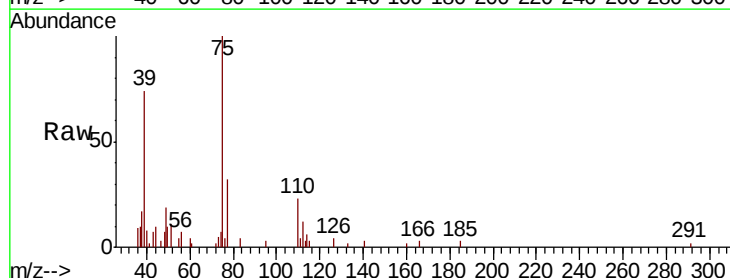
Instrument :
 MSVOA_L
 ClientSampleId :

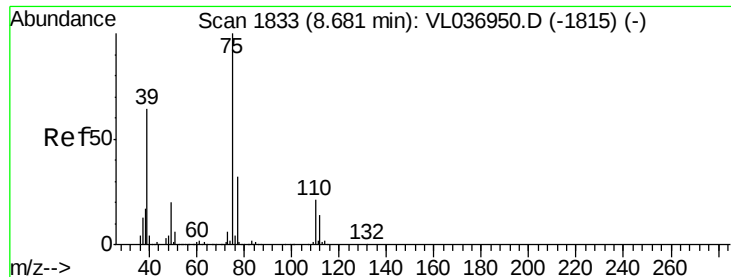
Tot Ion	57	Resp	215869
Ion	Ratio	Lower	Upper
57	100		
41	35.9	27.0	40.4
56	32.7	25.4	38.2



#45
 t-1,3-Dichloropropene
 Concen: 0.093 ppbv
 RT: 9.26 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion	75	Resp	7747
Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6

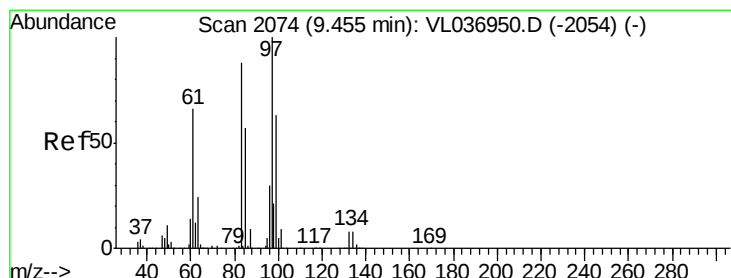
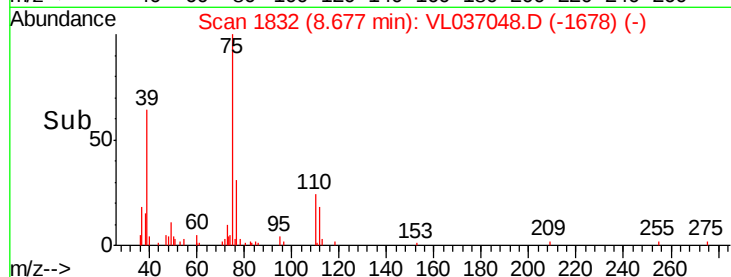
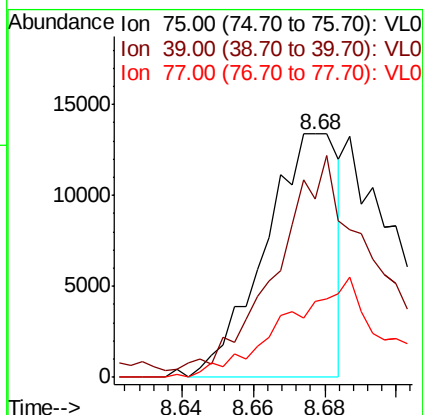
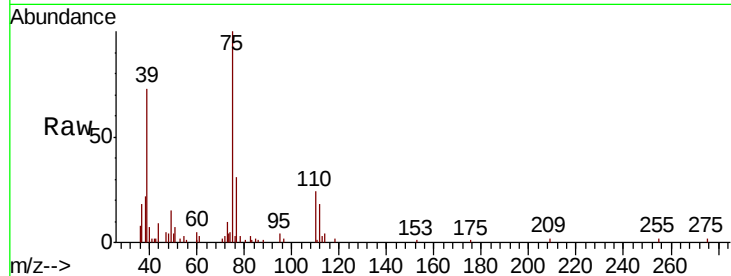




#46
 cis-1,3-Dichloropropene
 Concen: 0.170 ppbv
 RT: 8.68 min Scan# 1832
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

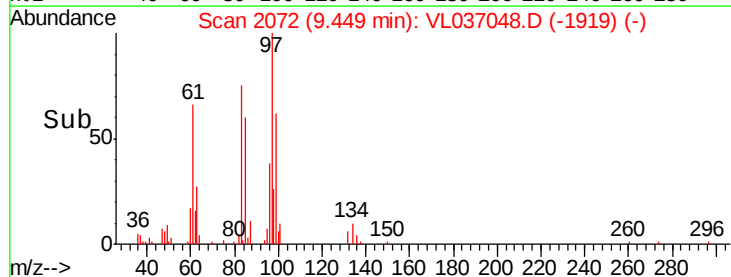
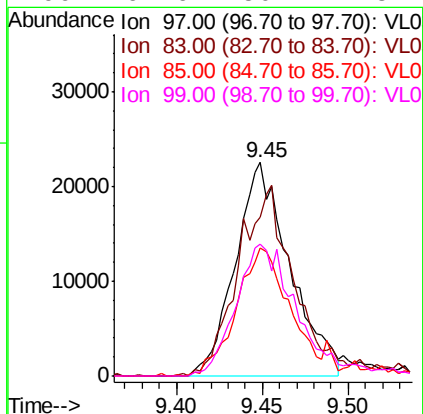
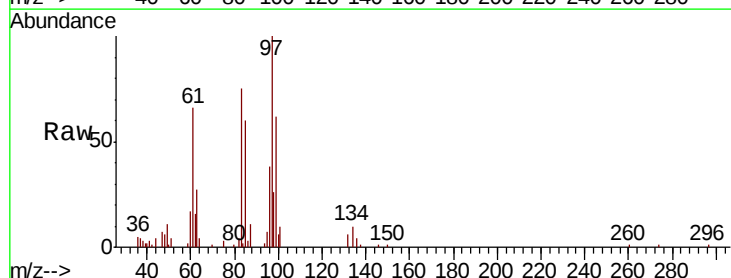
Instrument :
 MSVOA_L
 ClientSampleId :

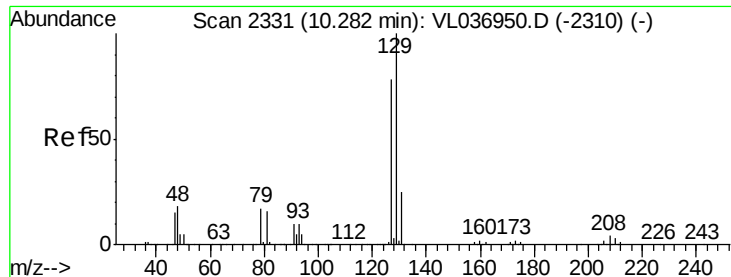
Tot Ion	Ratio	Lower	Upper
75	100		
39	67.2	51.5	77.3
77	30.9	25.9	38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.390 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.5	70.4	105.6
85	58.9	45.5	68.3
99	61.6	50.2	75.2





#48

Dibromochloromethane

Concen: 0.173 ppbv

RT: 10.28 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

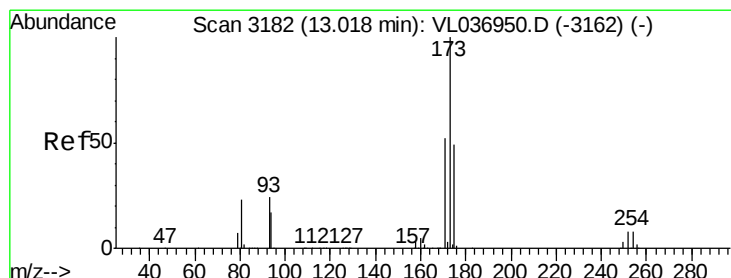
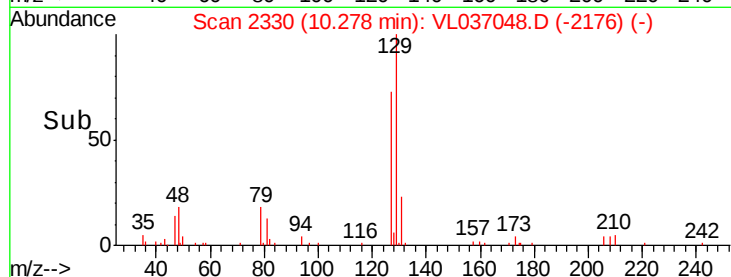
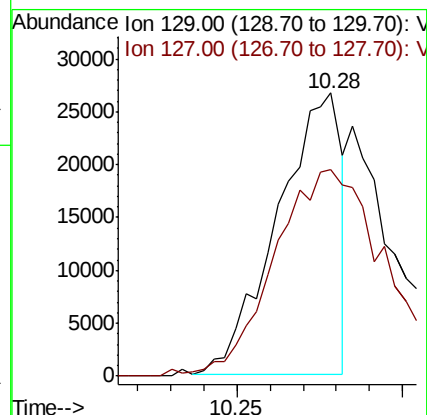
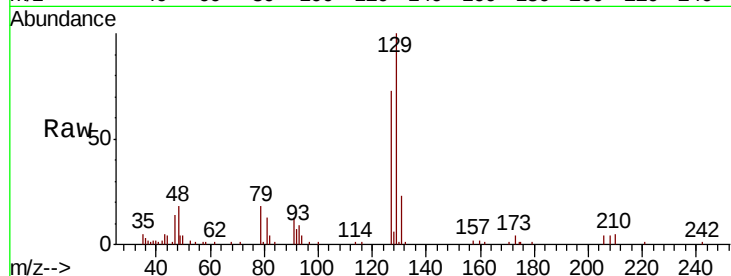
ClientSampleId :

Tot Ion:129 Resp: 35787

Ion Ratio Lower Upper

129 100

127 139.1 39.3 117.8#



#49

Bromoform

Concen: 0.117 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

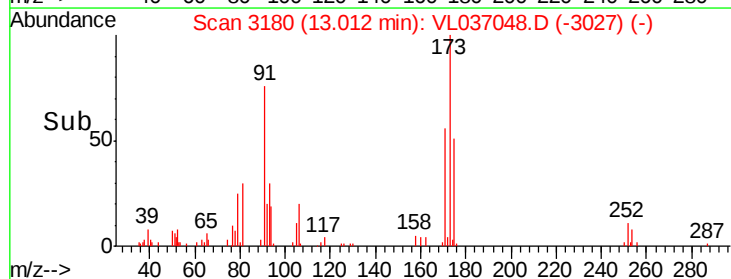
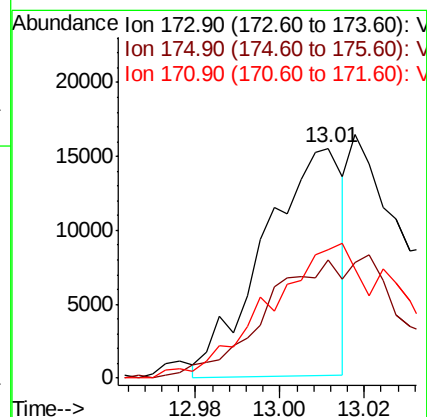
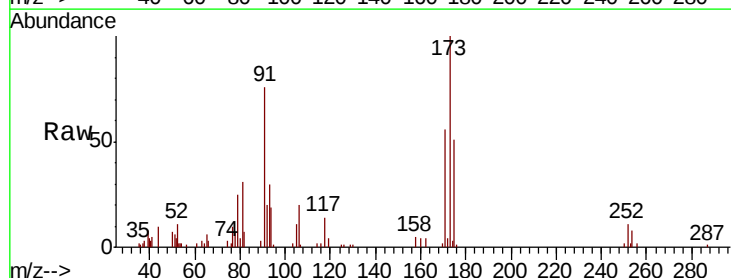
Tgt Ion:173 Resp: 19932

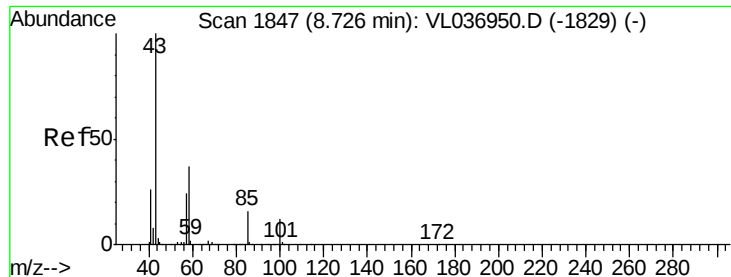
Ion Ratio Lower Upper

173 100

175 0.0 40.4 60.6#

171 0.0 42.6 64.0#

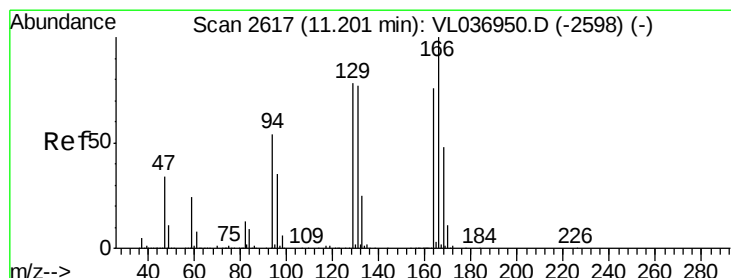
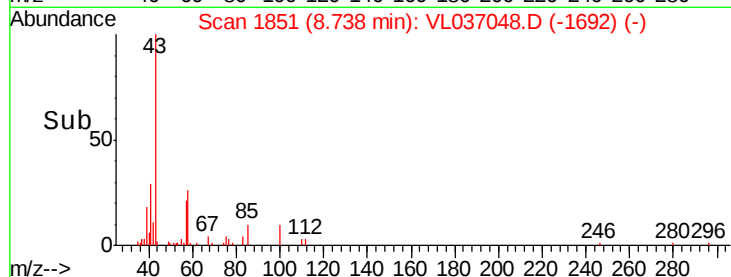
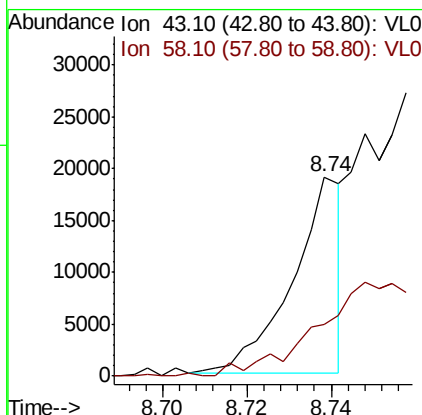
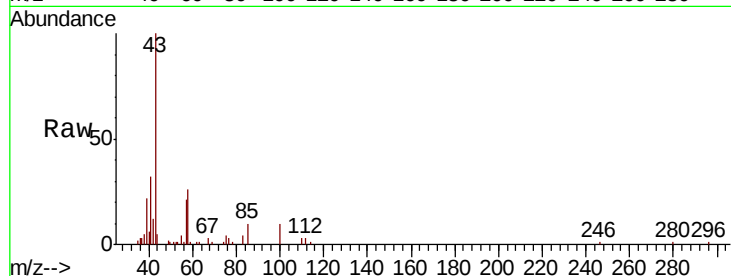




#50
4-Methyl-2-Pentanone
Concen: 0.070 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

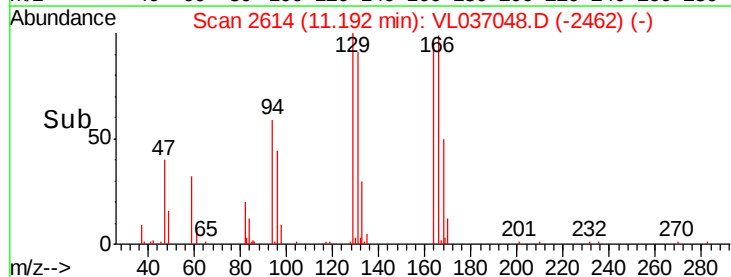
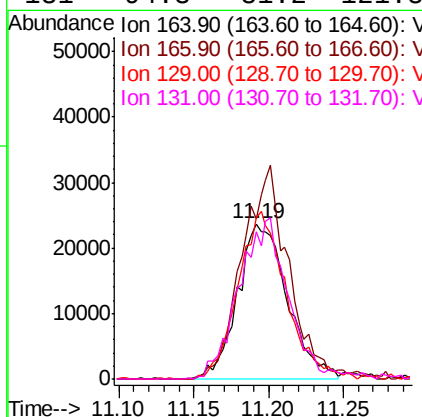
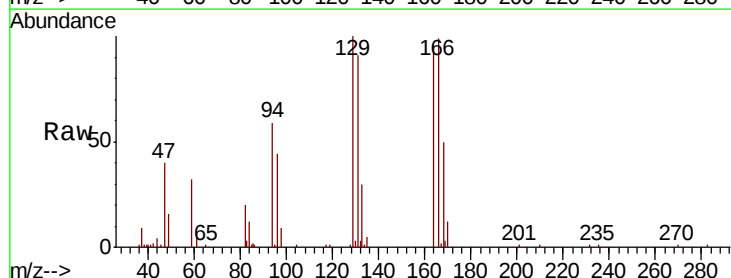
Instrument :
MSVOA_L
ClientSampleId :

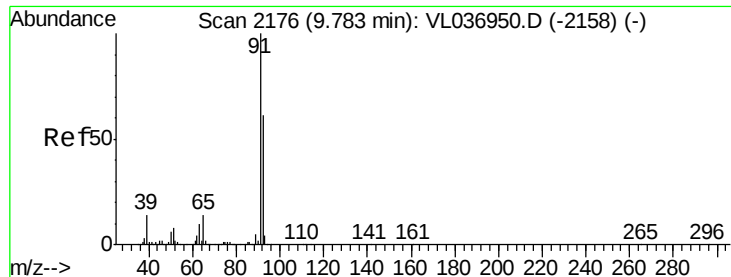
Tot Ion: 43 Resp: 15434
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#52
Tetrachloroethene
Concen: 0.433 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion: 164 Resp: 54656
Ion Ratio Lower Upper
164 100
166 102.9 105.5 158.3#
129 104.4 81.8 122.8
131 94.3 81.2 121.8





#53

Toluene

Concen: 0.338 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

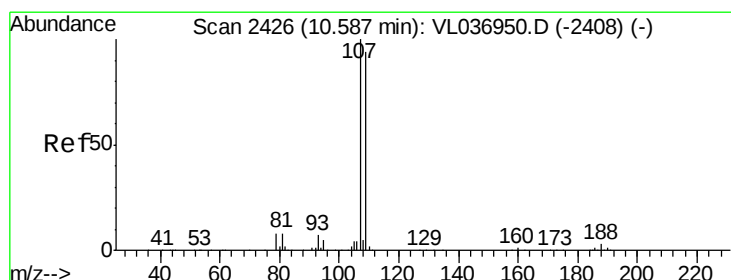
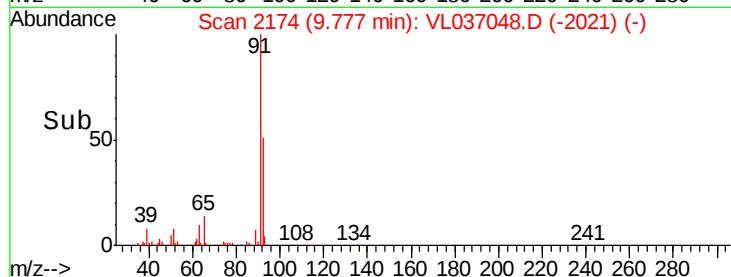
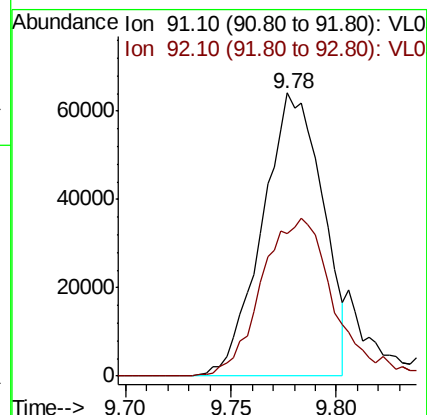
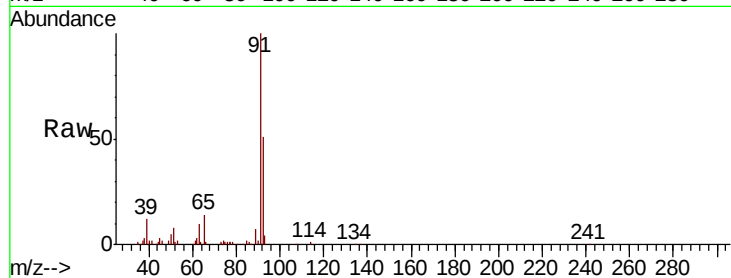
ClientSampleId :

Tot Ion: 91 Resp: 127551

Ion Ratio Lower Upper

91 100

92 68.7 49.5 74.3



#54

1,2-Dibromoethane

Concen: 0.202 ppbv

RT: 10.58 min Scan# 2425

Delta R.T. -0.00 min

Lab File: VL037048.D

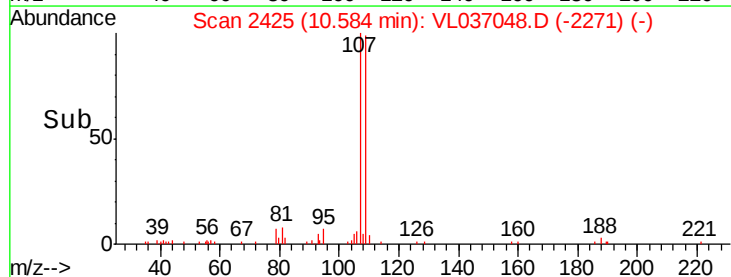
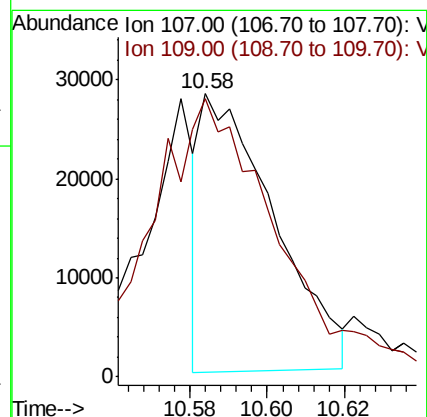
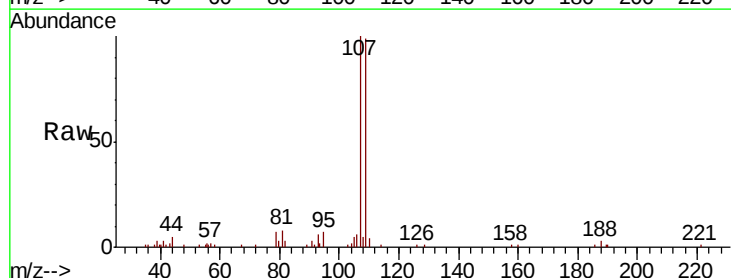
Acq: 24 May 2021 14:56

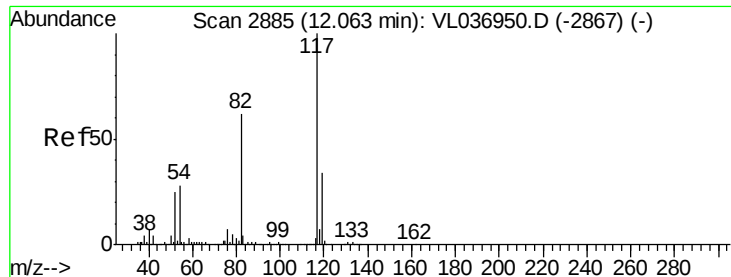
Tgt Ion: 107 Resp: 36717

Ion Ratio Lower Upper

107 100

109 98.8 75.0 112.4

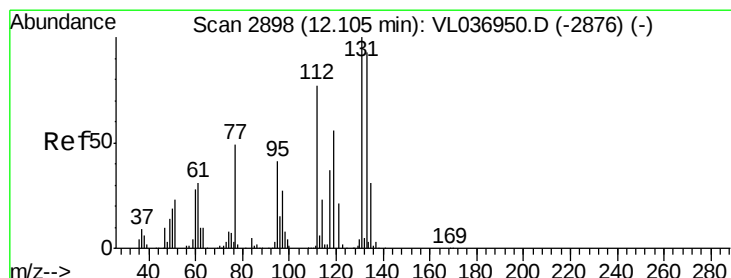
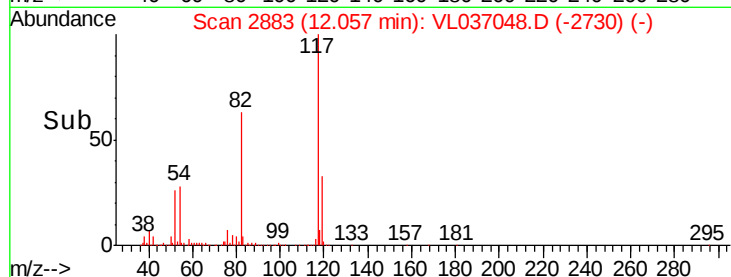
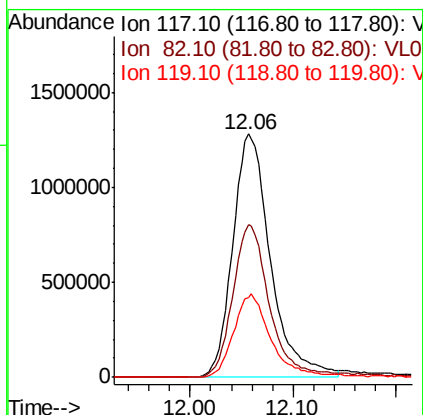
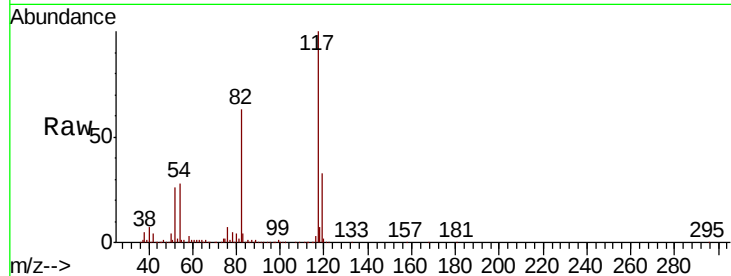




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

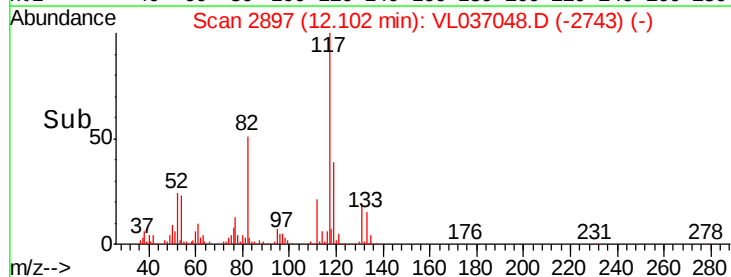
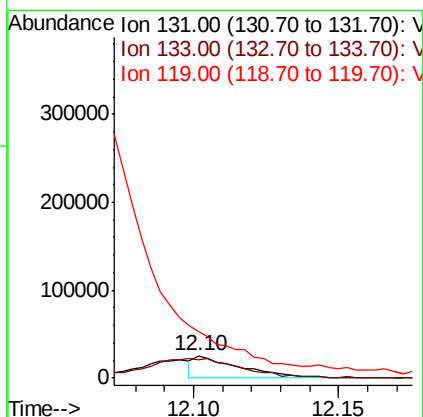
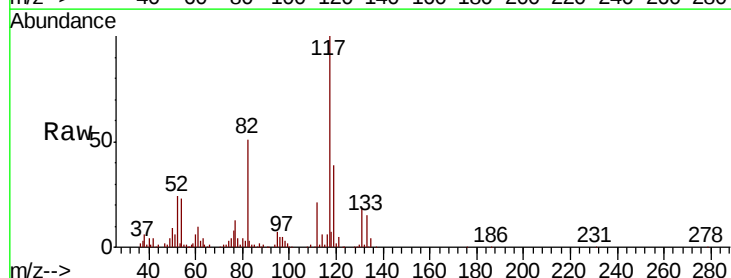
Instrument :
MSVOA_L
ClientSampleId :

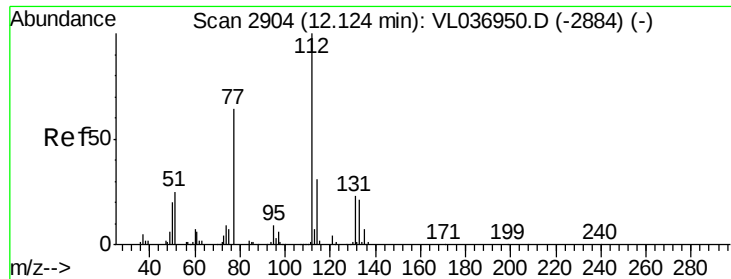
Tot Ion:117 Resp: 3268586
Ion Ratio Lower Upper
117 100
82 63.7 52.6 79.0
119 34.6 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.207 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion:131 Resp: 28430
Ion Ratio Lower Upper
131 100
133 190.0 76.9 115.3#
119 0.0 120.2 180.4#

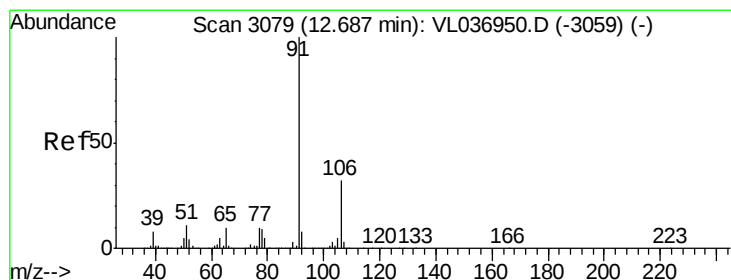
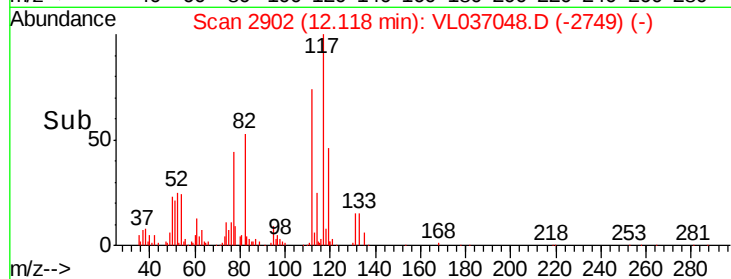
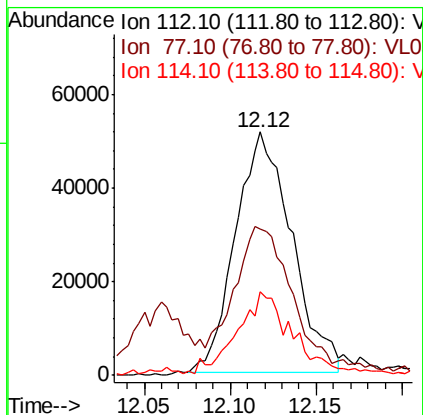
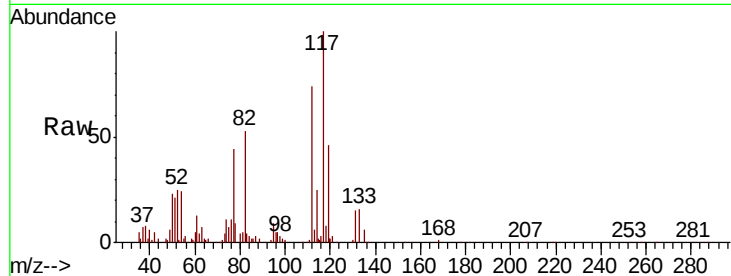




#57
Chlorobenzene
Concen: 0.463 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

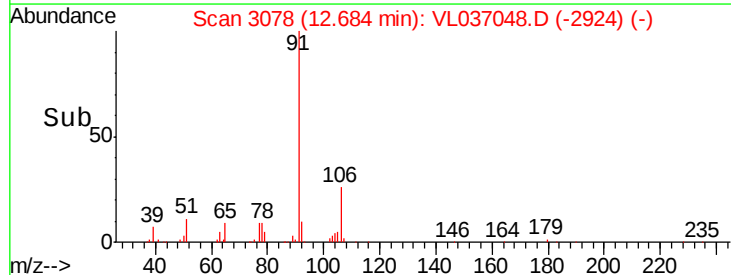
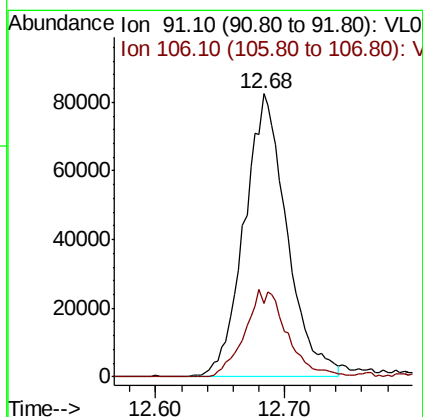
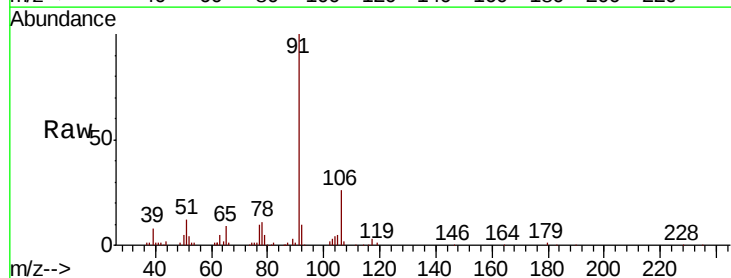
Instrument :
MSVOA_L
ClientSampleId :

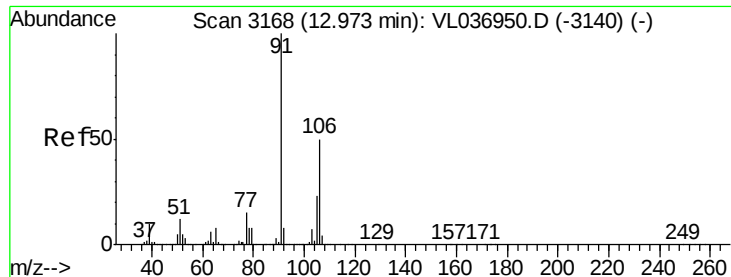
Tot Ion:112 Resp: 117360
Ion Ratio Lower Upper
112 100
77 54.7 51.0 76.6
114 34.9 28.3 34.5#



#58
Ethyl Benzene
Concen: 0.412 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion: 91 Resp: 189897
Ion Ratio Lower Upper
91 100
106 25.7 25.6 38.4

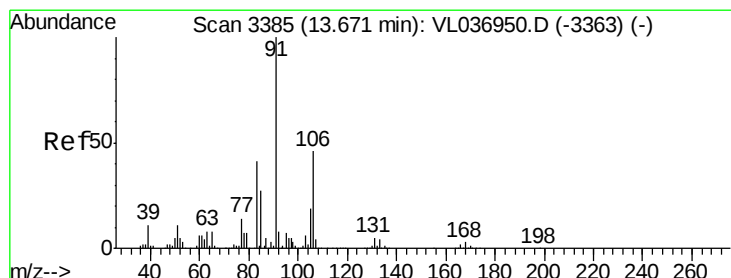
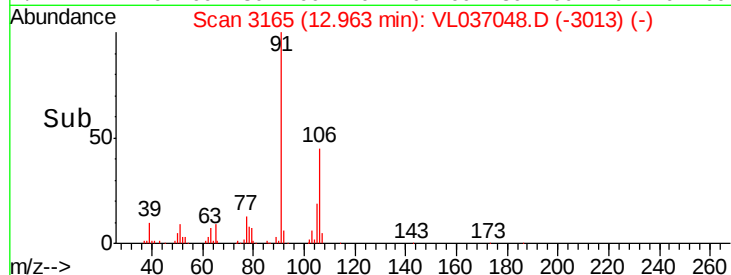
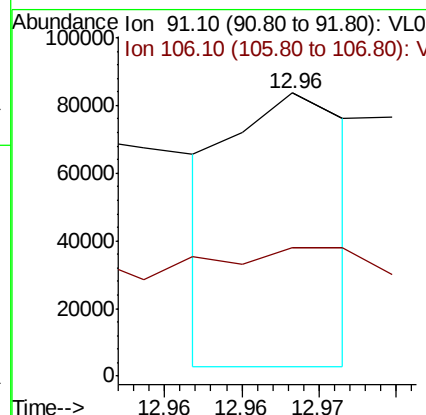
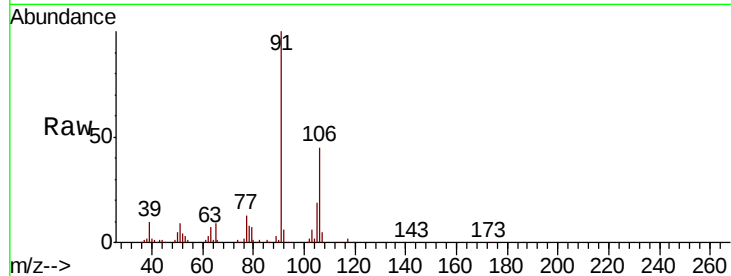




#59
m/p-Xylene
Concen: 0.113 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

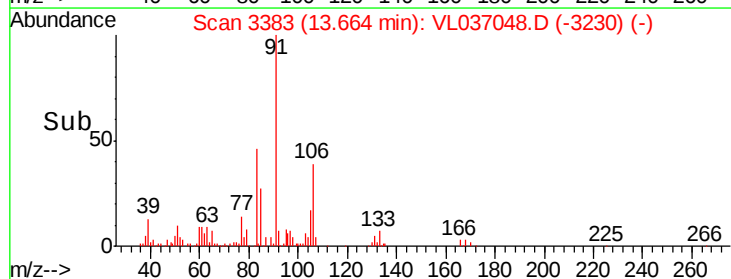
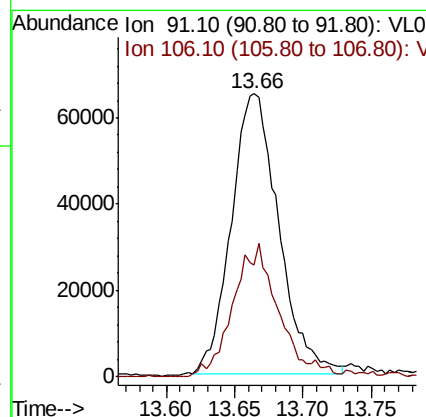
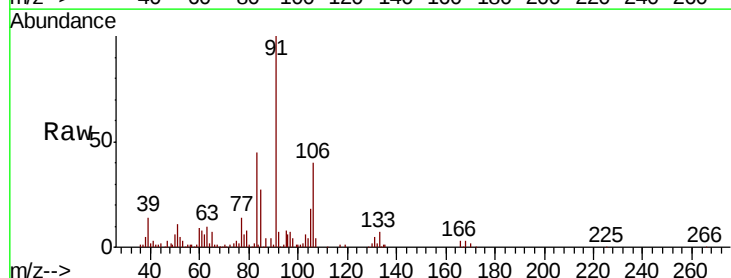
Instrument :
MSVOA_L
ClientSampled :

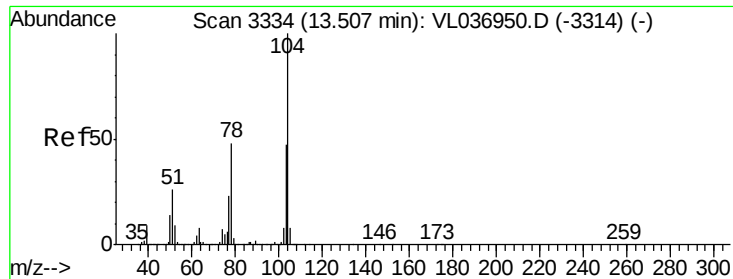
Tot Ion: 91 Resp: 43180
Ion Ratio Lower Upper
91 100
106 336.8 37.4 56.2#



#60
o-Xylene
Concen: 0.429 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.01 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion: 91 Resp: 156109
Ion Ratio Lower Upper
91 100
106 47.6 23.4 70.3

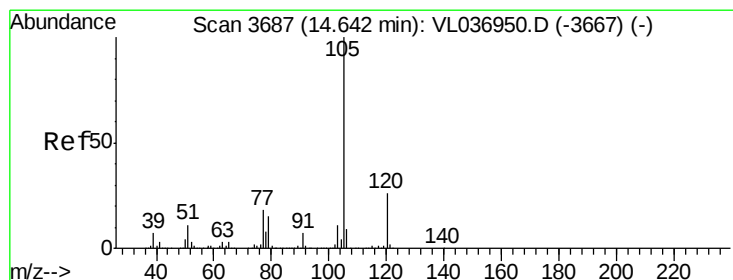
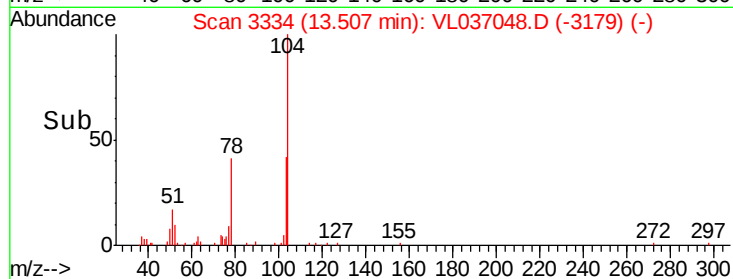
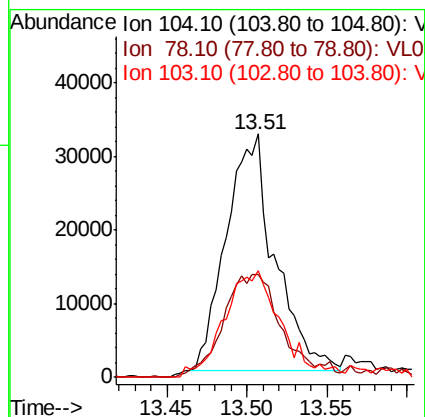
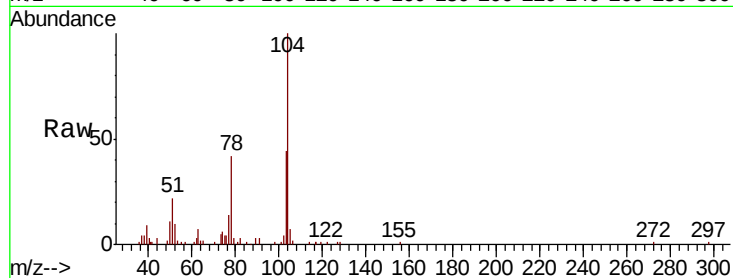




#61
Stvrene
Concen: 0.324 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

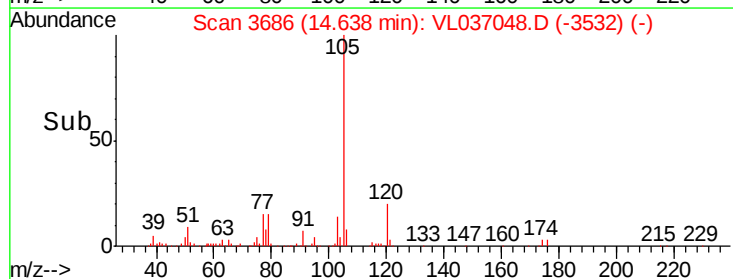
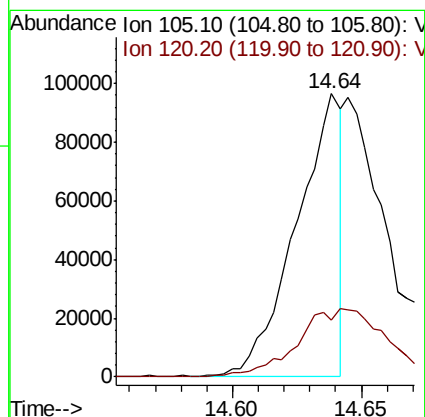
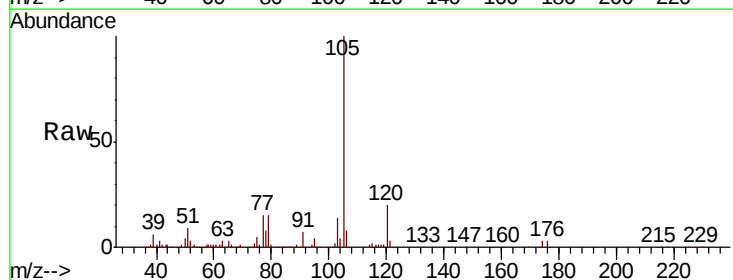
Instrument :
MSVOA_L
ClientSampled :

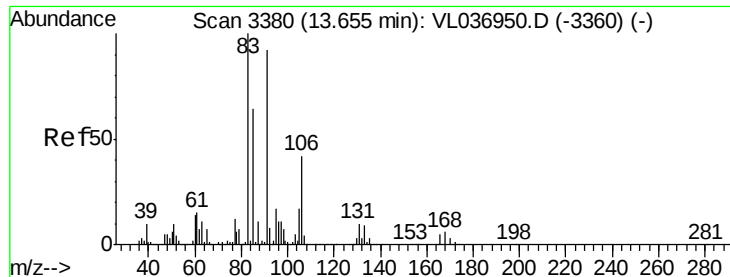
Tot Ion:104 Resp: 66464
Ion Ratio Lower Upper
104 100
78 54.2 39.0 58.6
103 52.6 38.0 57.0



#62
Isopropylbenzene
Concen: 0.225 ppbv
RT: 14.64 min Scan# 3686
Delta R.T. -0.00 min
Lab File: VL037048.D
Acq: 24 May 2021 14:56

Tgt Ion:105 Resp: 117855
Ion Ratio Lower Upper
105 100
120 0.0 21.7 32.5#

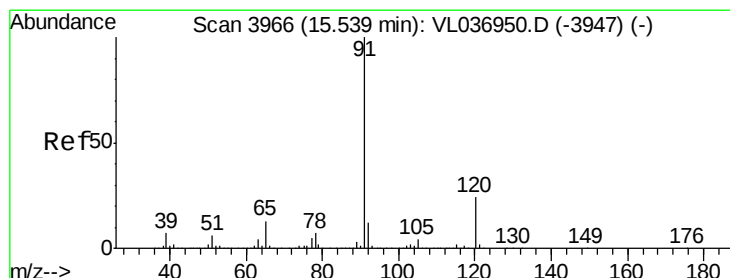
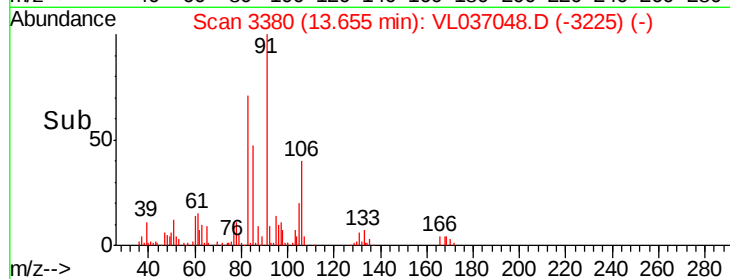
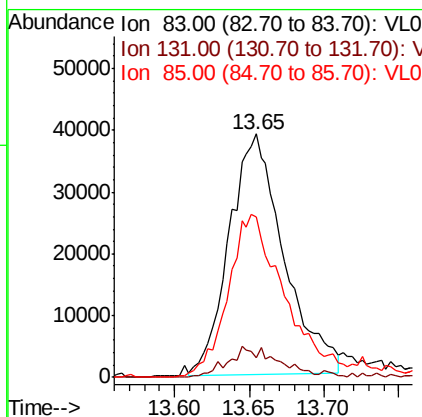
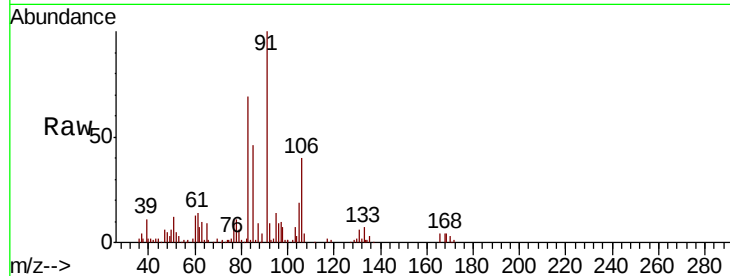




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.364 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

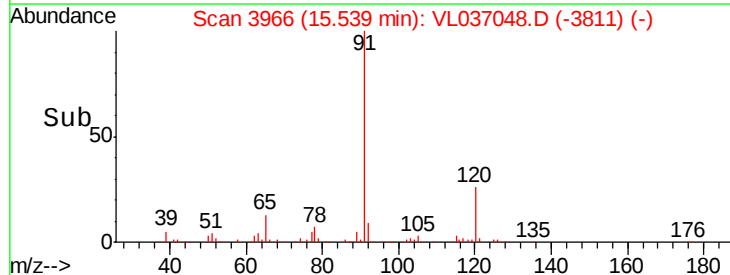
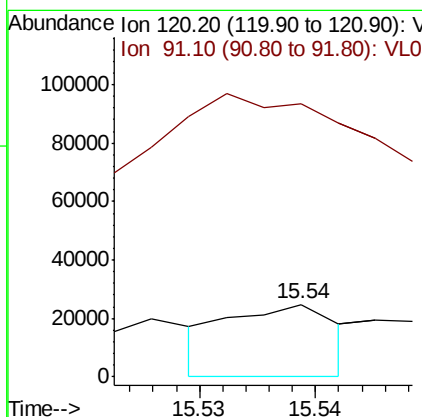
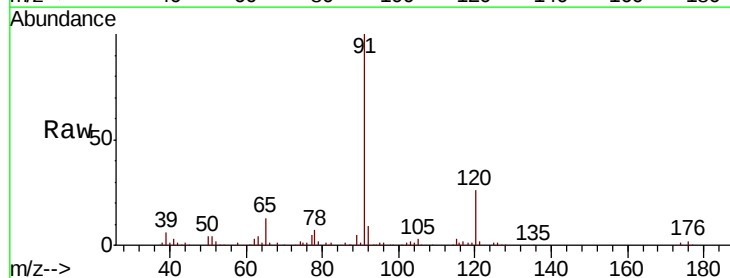
Instrument :
 MSVOA_L
 ClientSampleId :

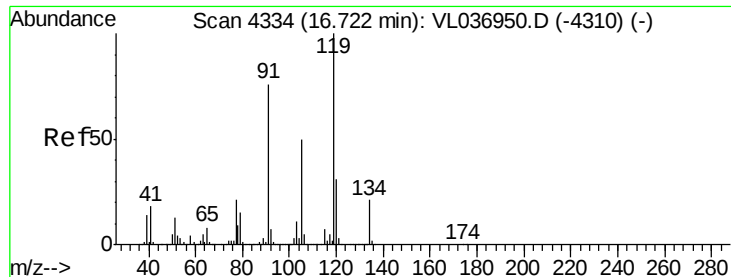
Tot Ion: 83 Resp: 98736
 Ion Ratio Lower Upper
 83 100
 131 12.2 5.0 15.0
 85 74.4 32.9 98.6



#64
 n-propylbenzene
 Concen: 0.121 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion:120 Resp: 16276
 Ion Ratio Lower Upper
 120 100
 91 1690.1 343.8 515.6#





#65

tert-Butylbenzene

Concen: 0.404 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

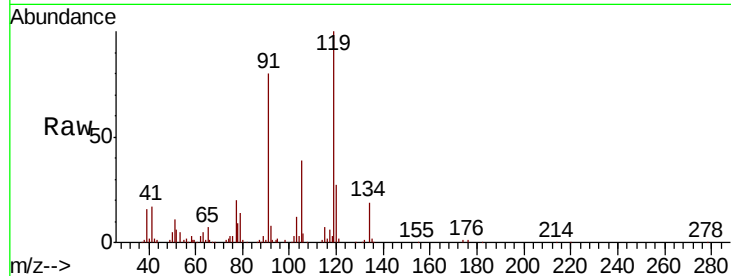
Tot Ion:119 Resp: 190511

Ion Ratio Lower Upper

119 100

91 90.7 61.9 92.9

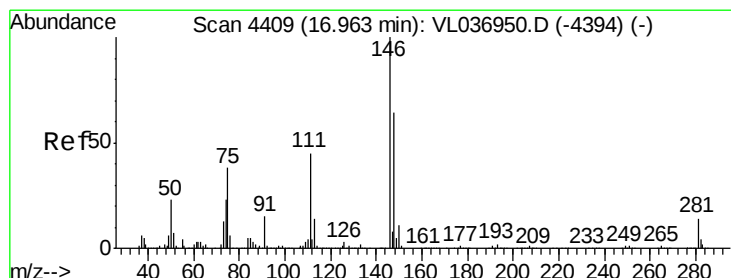
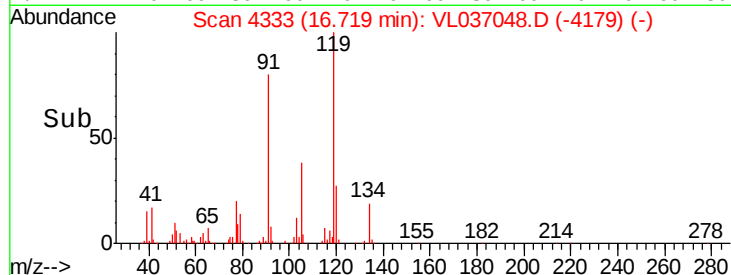
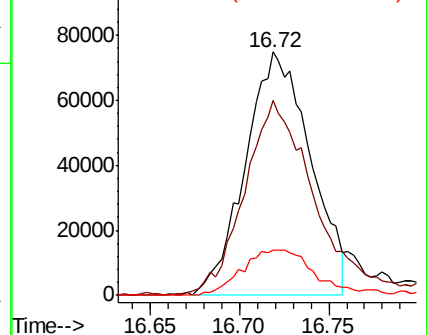
134 21.0 16.2 24.4



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: 6.257 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.24 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

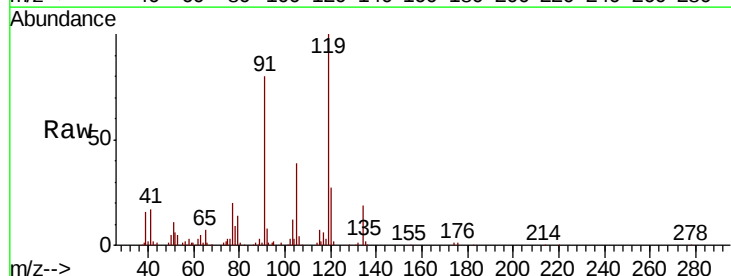
Tgt Ion: 91 Resp: 163742

Ion Ratio Lower Upper

91 100

126 0.1 16.5 24.7#

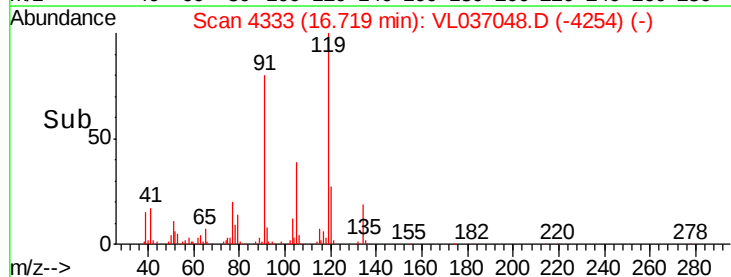
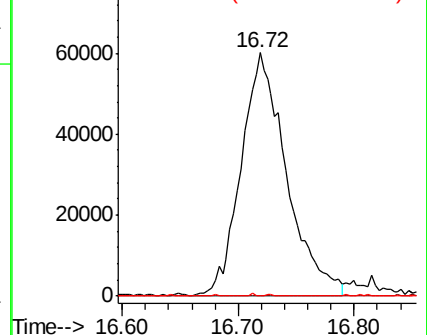
128 0.3 5.5 8.3#

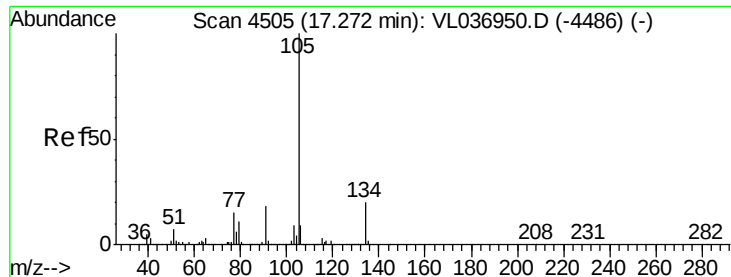


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

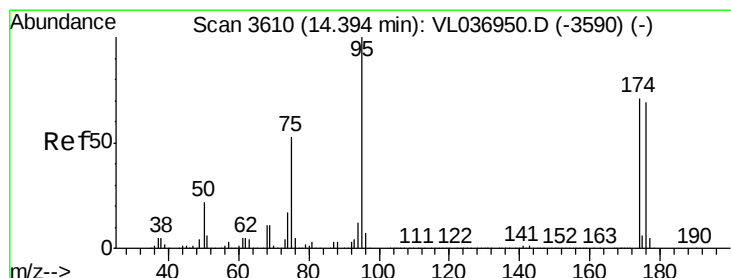
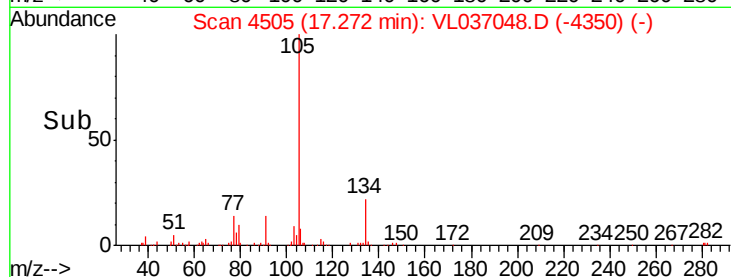
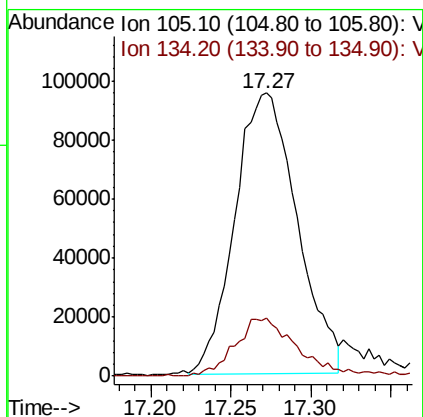
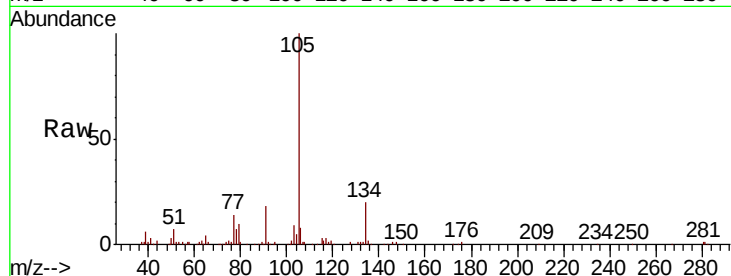




#67
 sec-Butylbenzene
 Concen: 0.396 ppbv
 RT: 17.27 min Scan# 4505
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

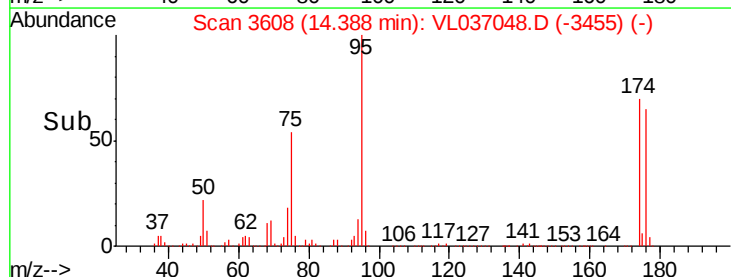
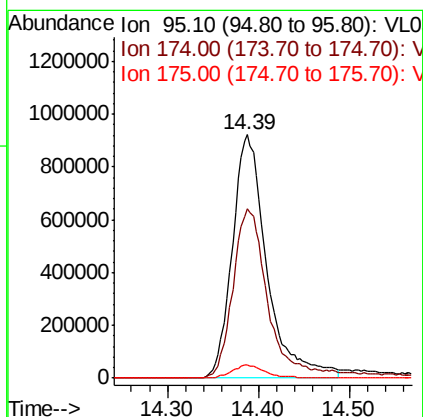
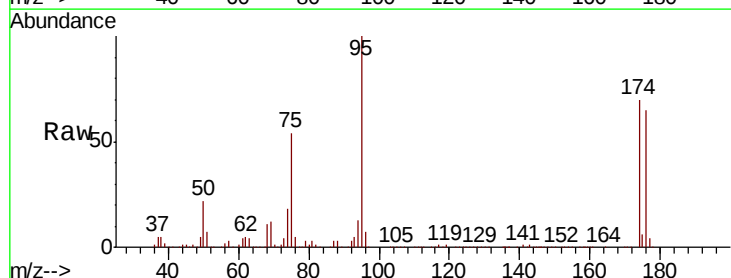
Instrument :
 MSVOA_L
 ClientSampled :

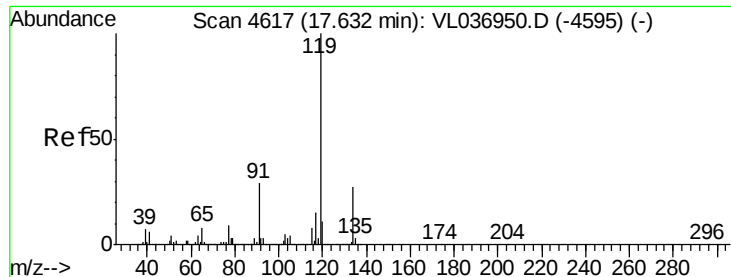
Tot Ion:105 Resp: 254939
 Ion Ratio Lower Upper
 105 100
 134 21.1 15.6 23.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.917 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion: 95 Resp: 2434996
 Ion Ratio Lower Upper
 95 100
 174 74.5 58.4 87.6
 175 5.2 4.4 6.6

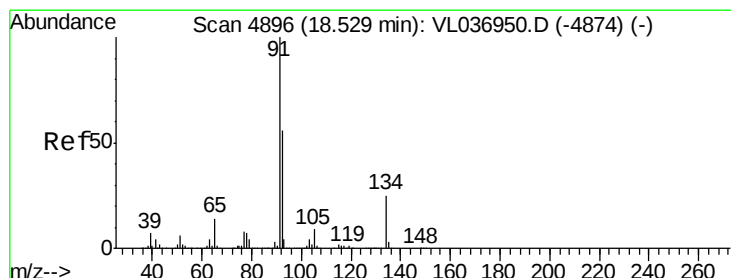
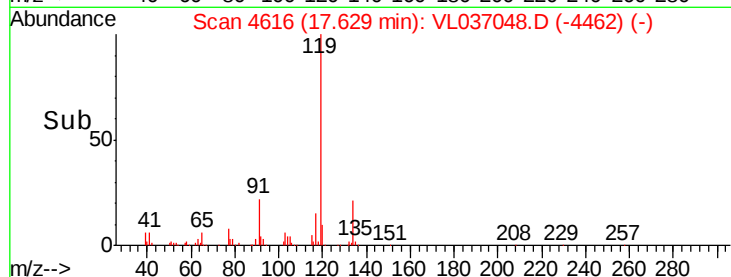
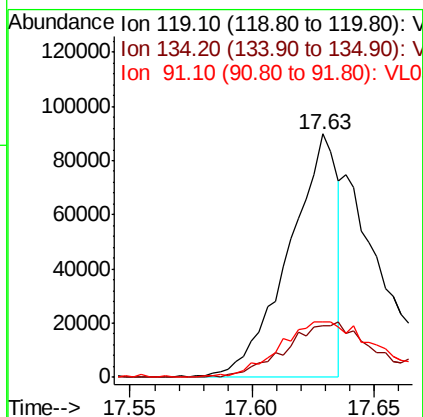
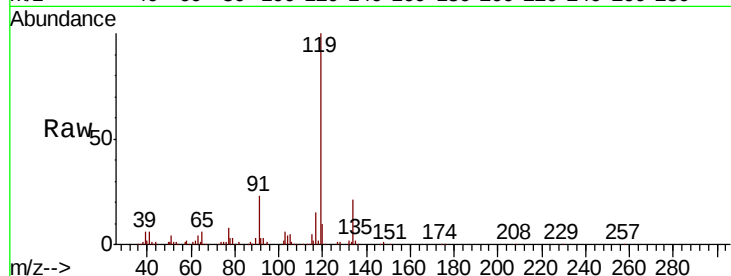




#69
 p-Isopropyltoluene
 Concen: 0.224 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

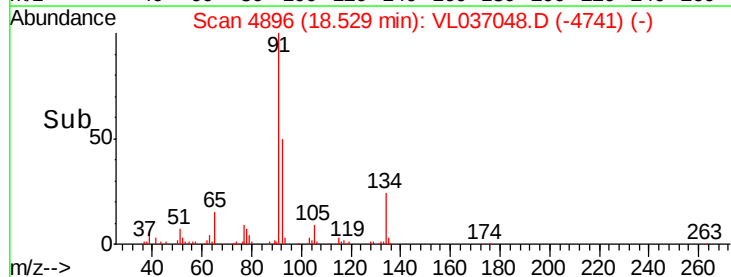
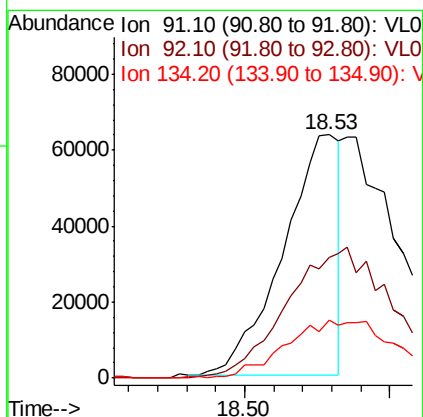
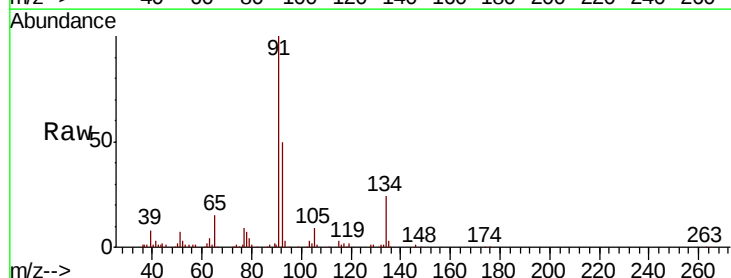
Instrument :
 MSVOA_L
 ClientSampleId :

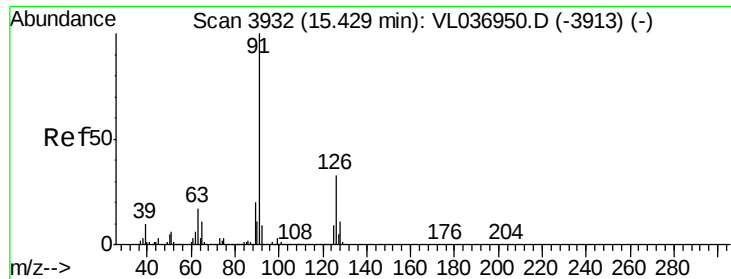
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.2	31.8#
91	49.2	22.2	33.4#



#70
 n-Butylbenzene
 Concen: 0.162 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.6	66.8#
134	53.4	20.2	30.2#

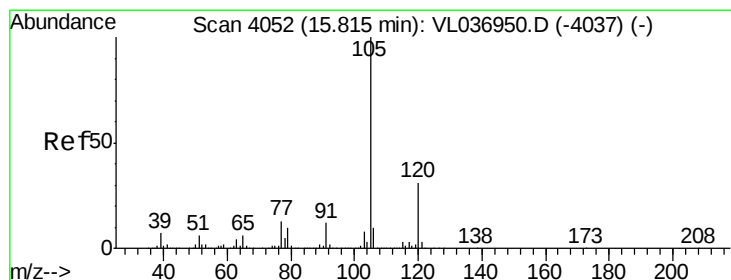
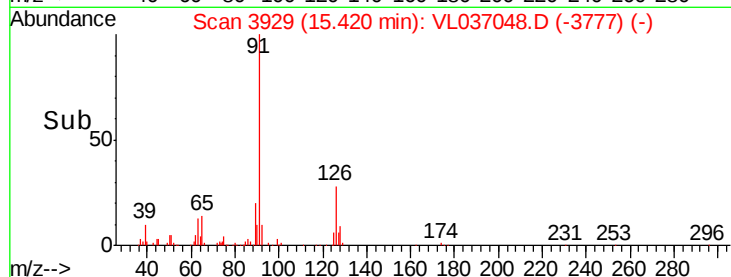
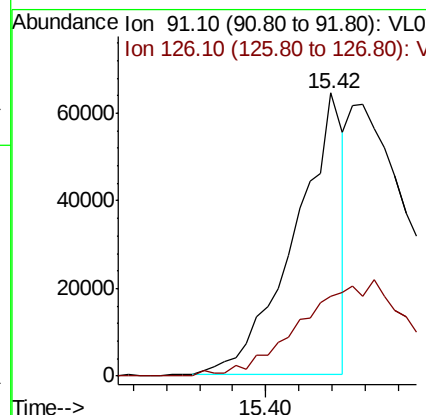
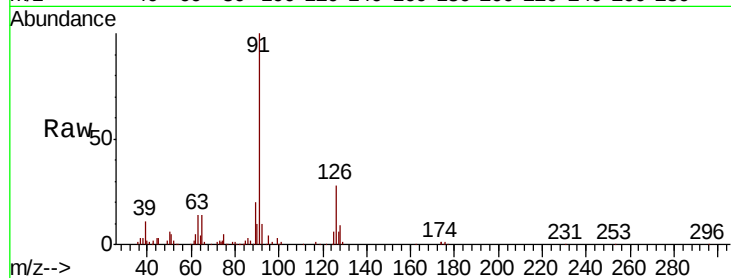




#71
 2-Chlorotoluene
 Concen: 0.173 ppbv
 RT: 15.42 min Scan# 3929
 Delta R.T. -0.01 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

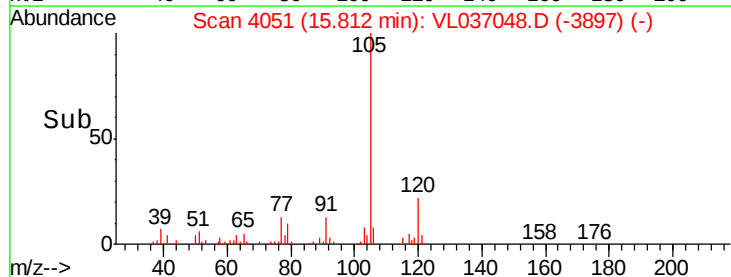
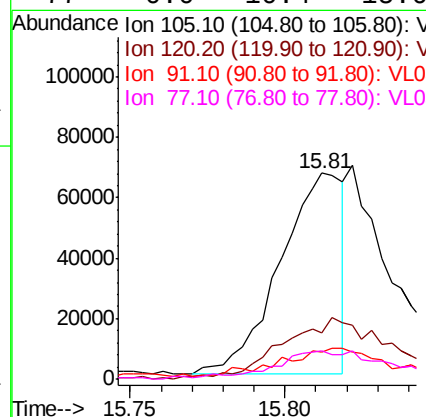
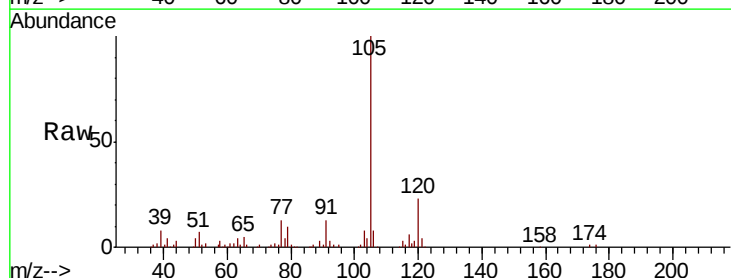
Instrument :
 MSVOA_L
 ClientSampleId :

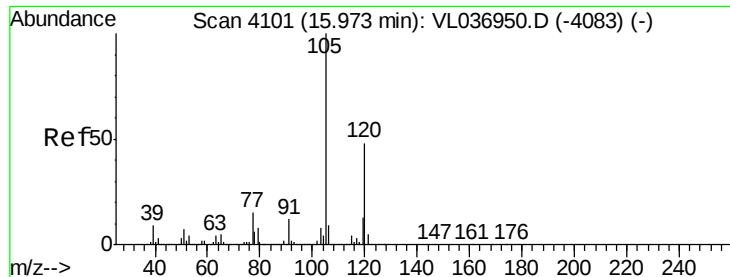
Tot Ion: 91 Resp: 65281
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 52.5#



#72
 4-Ethyltoluene
 Concen: 0.216 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion:105 Resp: 93222
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.6 37.0#
 91 25.3 9.8 14.6#
 77 0.0 10.4 15.6#

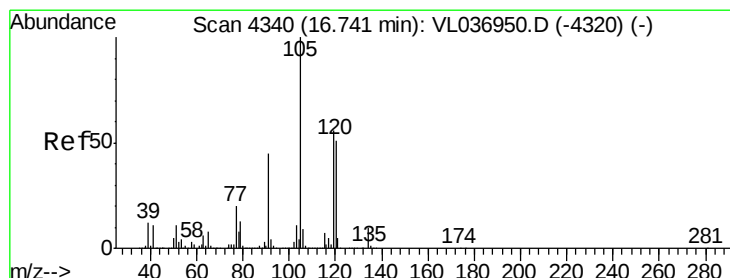
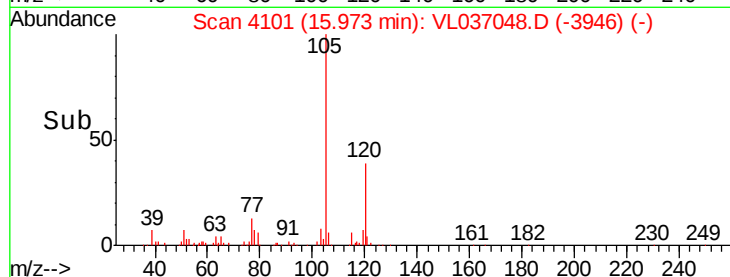
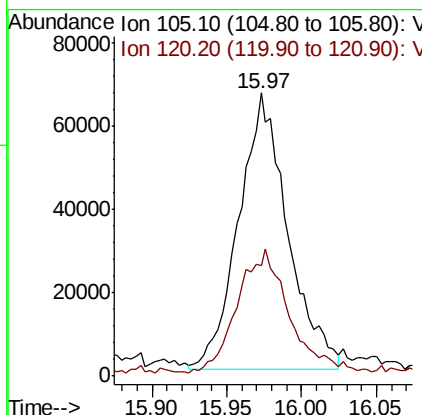
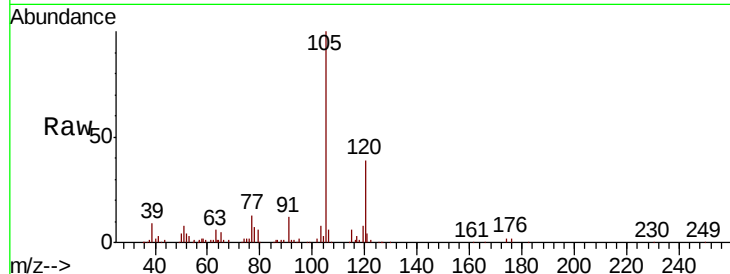




#73
 1,3,5-Trimethylbenzene
 Concen: 0.373 ppbv
 RT: 15.97 min Scan# 4101
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

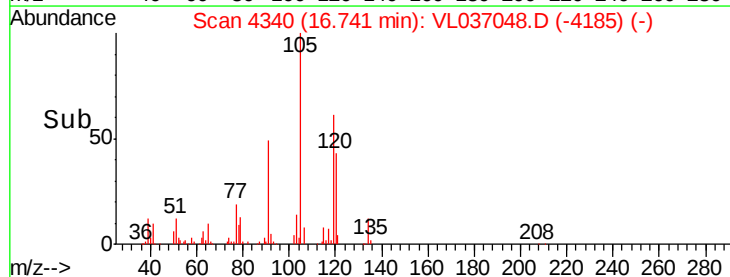
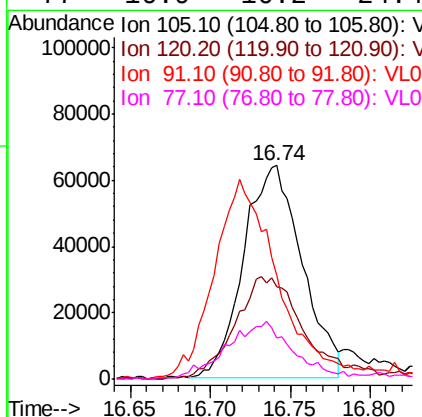
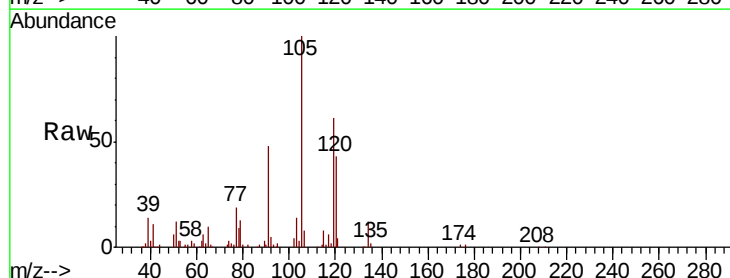
Instrument :
 MSVOA_L
 ClientSampleId :

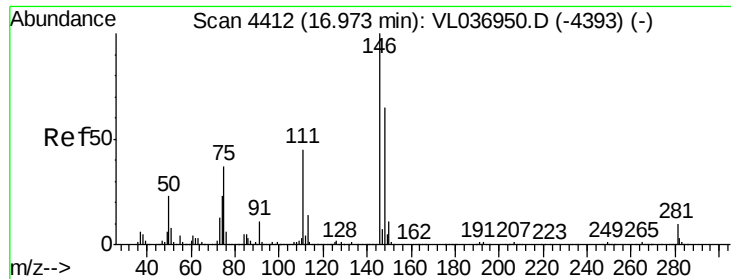
Tot Ion:105 Resp: 151100
 Ion Ratio Lower Upper
 105 100
 120 39.0 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.384 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion:105 Resp: 160756
 Ion Ratio Lower Upper
 105 100
 120 42.2 40.6 61.0
 91 41.6 37.4 56.0
 77 16.9 16.2 24.4

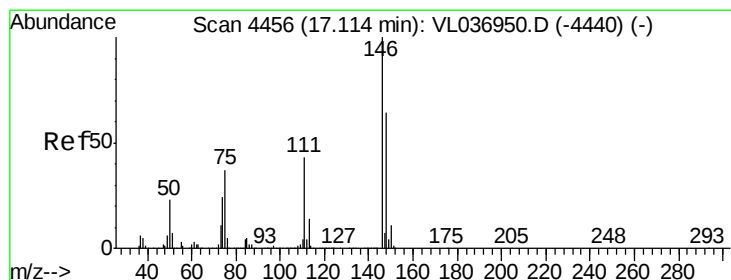
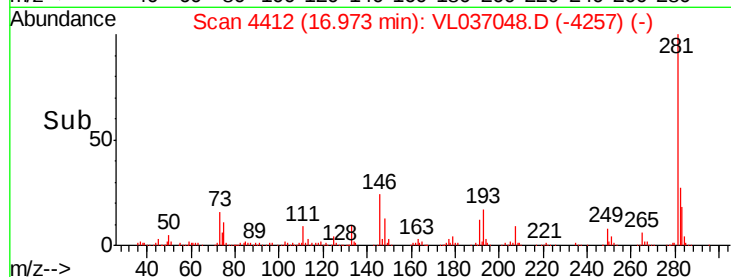
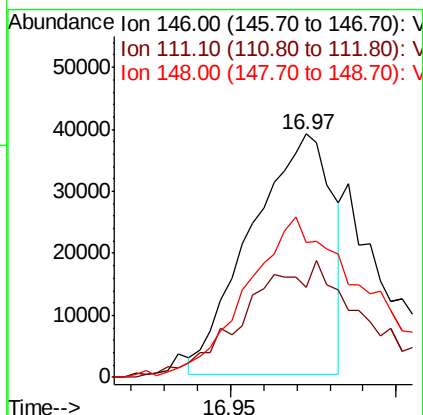
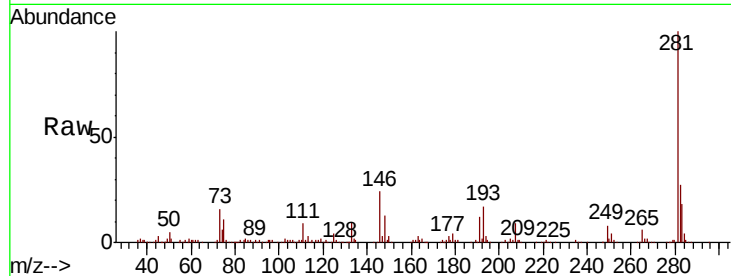




#75
 1,3-Dichlorobenzene
 Concen: 0.260 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

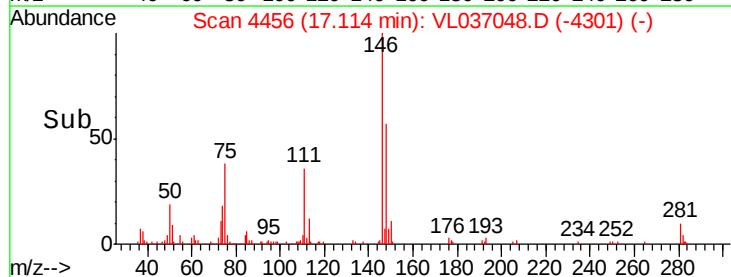
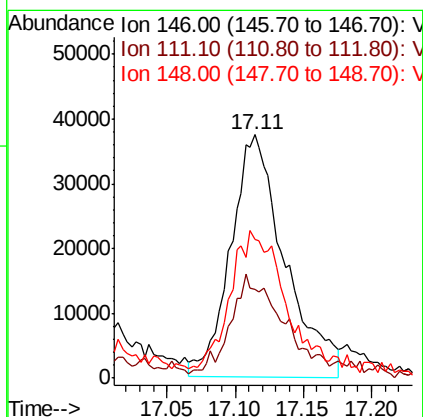
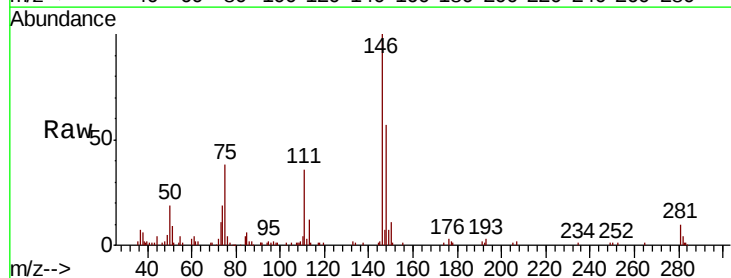
Instrument :
 MSVOA_L
 ClientSampleId :

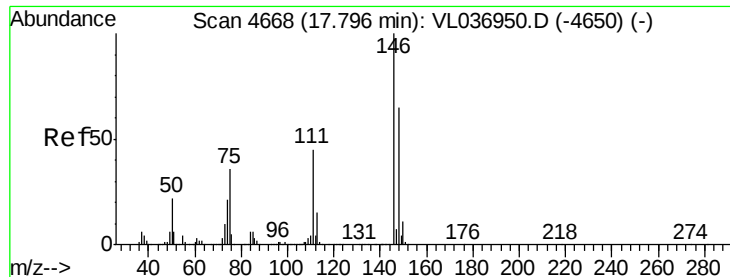
Tot Ion:146 Resp: 66503
 Ion Ratio Lower Upper
 146 100
 111 78.7 22.2 66.6#
 148 106.5 32.3 96.8#



#76
 1,4-Dichlorobenzene
 Concen: 0.397 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Tgt Ion:146 Resp: 102823
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.6 67.7
 148 67.8 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 0.336 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampleId :

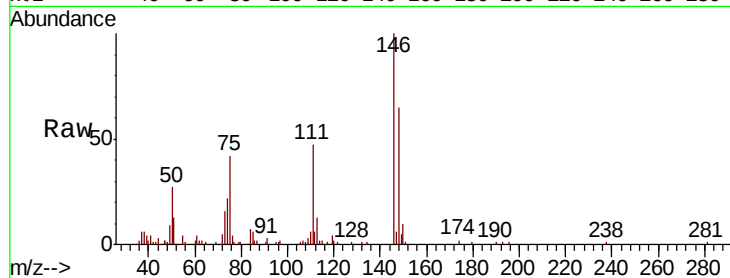
Tot Ion:146 Resp: 86045

Ion Ratio Lower Upper

146 100

111 58.9 23.1 69.2

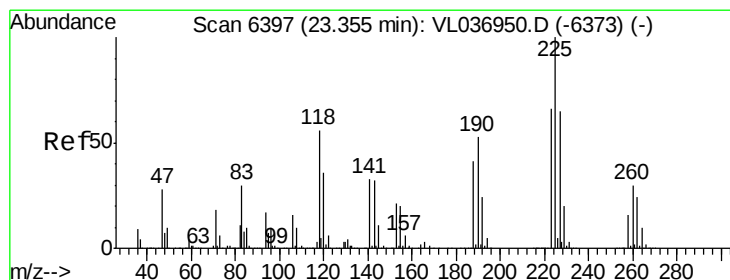
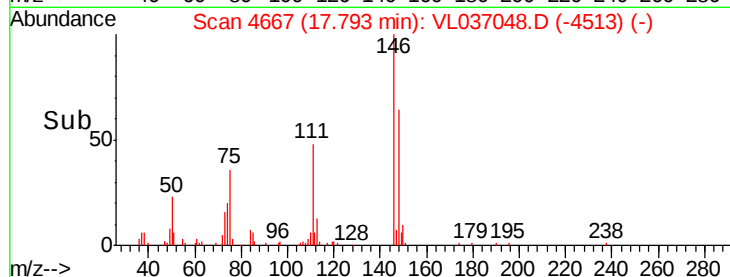
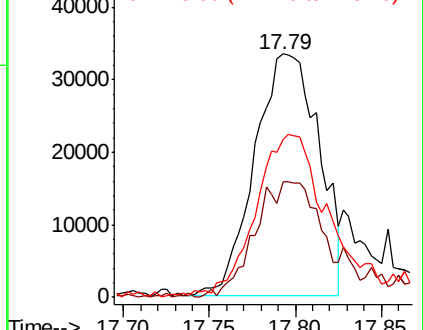
148 83.4 32.5 97.4



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: 0.245 ppbv

RT: 23.35 min Scan# 6395

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

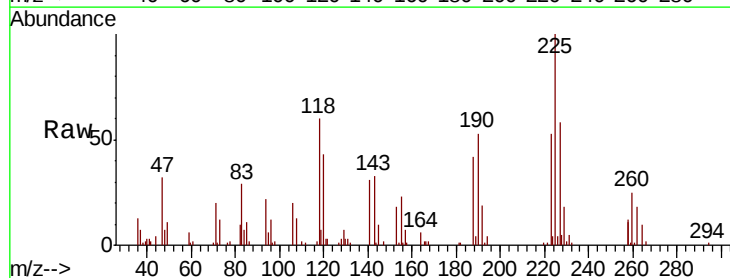
Tgt Ion:225 Resp: 50535

Ion Ratio Lower Upper

225 100

223 0.0 51.9 77.9#

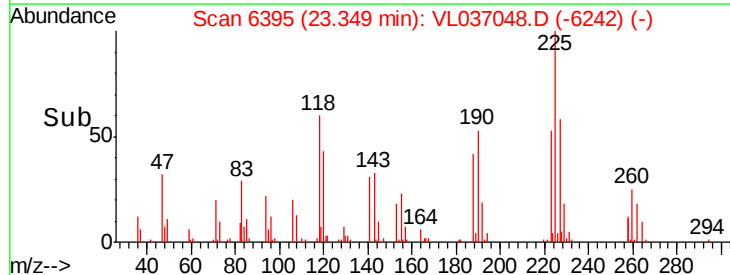
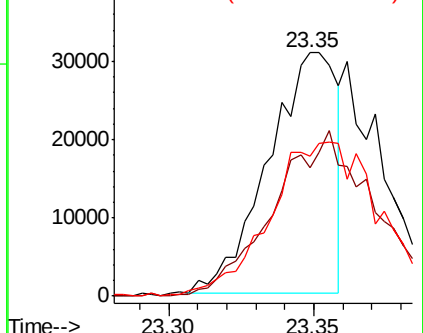
227 0.0 51.8 77.6#

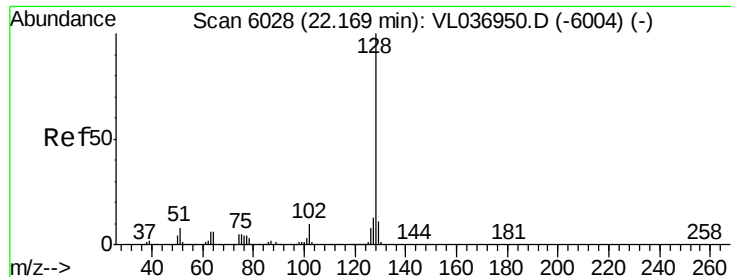


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.046 ppbv

RT: 22.16 min Scan# 6026

Delta R.T. -0.01 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

Instrument :

MSVOA_L

ClientSampled :

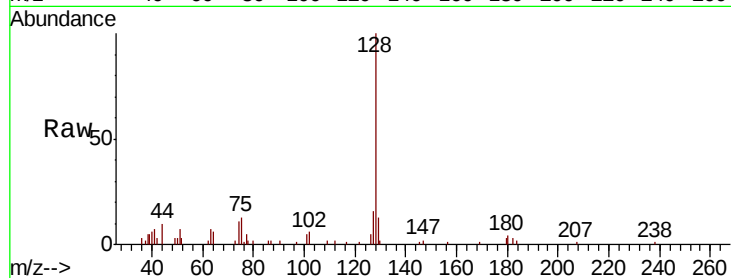
Tot Ion:128 Resp: 15280

Ion Ratio Lower Upper

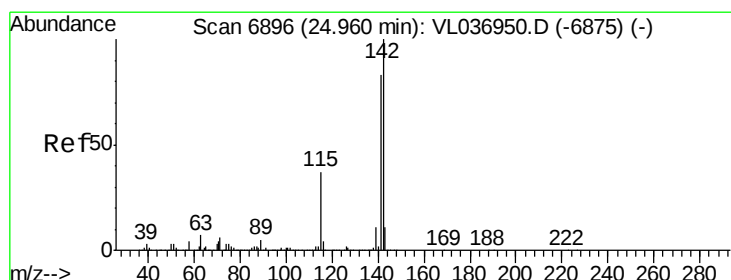
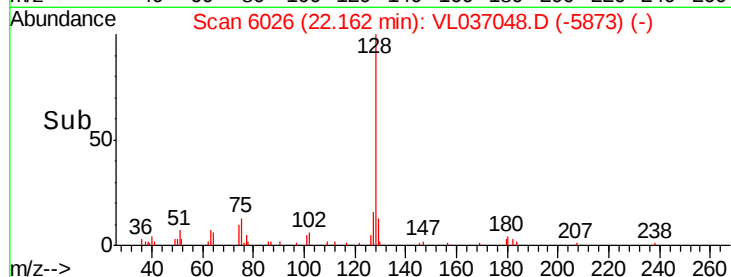
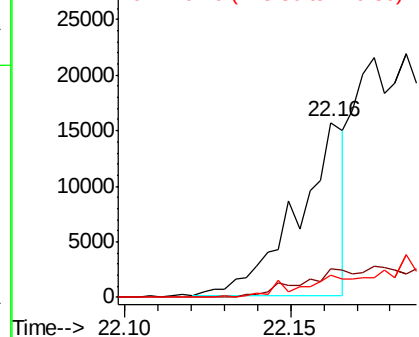
128 100

127 16.4 10.4 15.6#

129 14.9 9.0 13.6#



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: 0.056 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.04 min

Lab File: VL037048.D

Acq: 24 May 2021 14:56

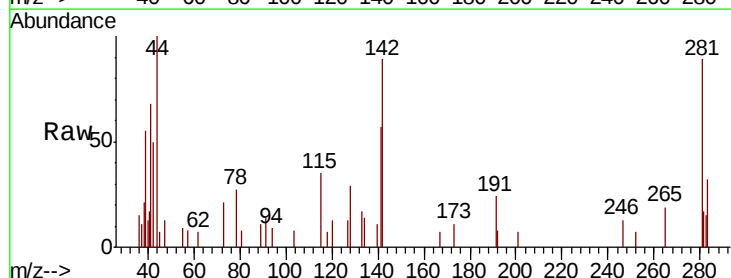
Tgt Ion:142 Resp: 3994

Ion Ratio Lower Upper

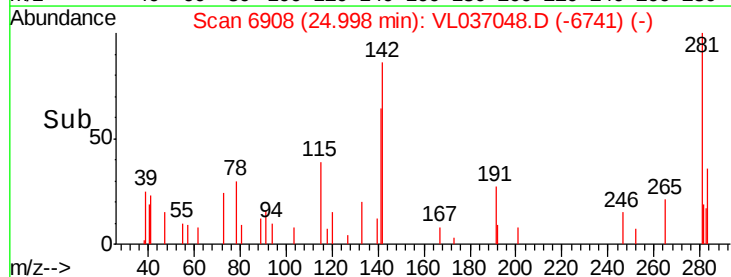
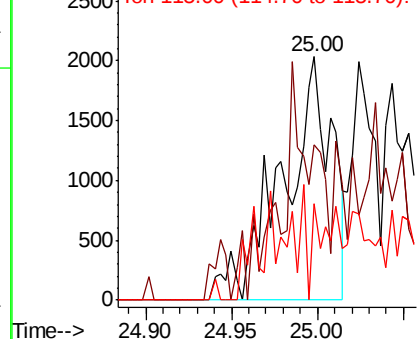
142 100

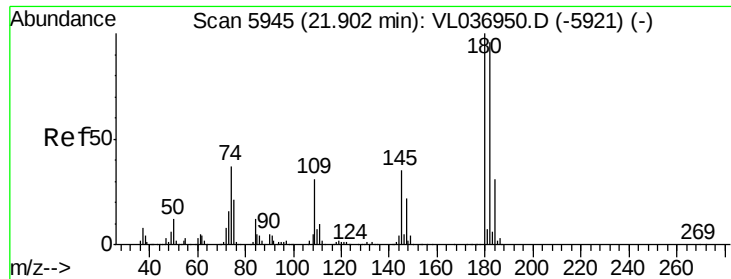
141 87.6 69.3 103.9

115 30.9 29.1 43.7



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: 0.111 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL037048.D
 Acq: 24 May 2021 14:56

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	81.7	122.5#
184	0.0	24.9	37.3#

