

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037282.D
 Acq On : 27 Jul 2021 4:31
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 06:43:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1293404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3832818	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3430177	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2656927	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	154035	0.675	ppbv	99
3) Chlorodifluoromethane	2.99	51	139787	0.551	ppbv	98
4) Chloromethane	3.14	50	43321	0.513	ppbv	97
5) Vinyl Chloride	3.26	62	22714	0.247	ppbv	94
6) Bromomethane	3.47	94	27165	0.500	ppbv	93
7) Chloroethane	3.56	64	13083	0.390	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	122467	0.525	ppbv	95
9) Propene	3.01	41	41910	0.519	ppbv	89
10) Heptane	8.12	43	90005	0.458	ppbv	91
11) Trichlorofluoromethane	3.95	101	126393	0.519	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	95702	0.556	ppbv	98
13) Ethanol	3.60	45	596	0.049	ppbv #	37
14) Bromoethene	3.74	108	35568	0.498	ppbv #	91
15) Acetone	3.87	43	153047	1.021	ppbv #	75
16) 1,3-Butadiene	3.32	39	35014	0.402	ppbv #	71
18) 1,1-Dichloroethene	4.29	96	38908	0.509	ppbv	93
19) Isopropyl Alcohol	3.98	45	12041	0.138	ppbv #	89
20) Methylene Chloride	4.35	84	54135	0.609	ppbv	86
21) Allvl Chloride	4.41	41	46518	0.415	ppbv #	77
22) trans-1,2-Dichloroethene	4.89	96	33543	0.445	ppbv #	74
23) Vinyl Acetate	5.08	43	94290	0.448	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	87090	0.510	ppbv	96
25) Ethyl Acetate	5.69	43	143970	0.452	ppbv #	97
26) Hexane	5.69	57	77864	0.485	ppbv #	91
27) Carbon Disulfide	4.56	76	60768	0.383	ppbv #	81
28) Methyl tert-Butyl Ether	5.05	73	93100	0.482	ppbv	93
29) Chloroform	5.75	83	126550	0.506	ppbv	96
30) Cyclohexane	7.13	84	29215	0.218	ppbv #	4
31) cis-1,2-Dichloroethene	5.55	61	66958	0.452	ppbv #	87
32) 1,1,1-Trichloroethane	6.51	97	122968	0.462	ppbv	97
34) 2-Butanone	5.26	43	84847	0.558	ppbv #	86
35) Carbon Tetrachloride	7.02	117	127036	0.488	ppbv	96
36) Benzene	6.89	78	143682	0.461	ppbv	96
37) 1,2-Dichloroethane	6.31	62	89767	0.489	ppbv	99
38) Trichloroethene	7.83	130	26259	0.177	ppbv	95
39) 1,2-Dichloropropane	7.61	63	51371	0.443	ppbv	95
41) Tetrahydrofuran	6.08	42	20448	0.292	ppbv #	65
42) Bromodichloromethane	7.79	83	115130	0.459	ppbv	94
43) Methyl Methacrylate	8.02	69	15200	0.141	ppbv #	1
44) 2,2,4-Trimethylpentane	7.87	57	130062	0.247	ppbv #	38
46) cis-1,3-Dichloropropene	8.70	75	16228	0.127	ppbv #	85

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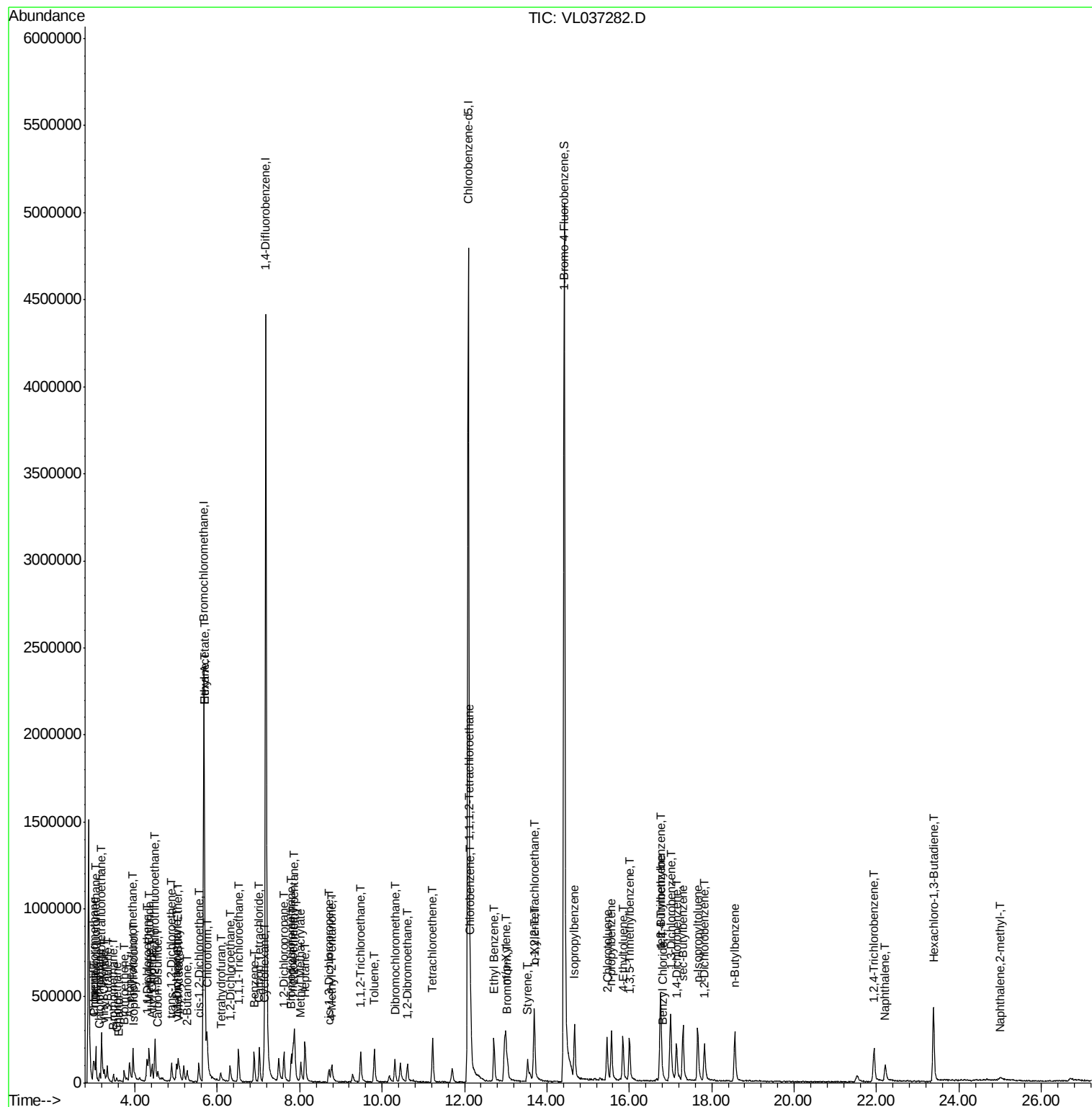
47) 1,1,2-Trichloroethane	9.48	97	61283	0.462	ppbv	95
48) Dibromochloromethane	10.31	129	79353	0.376	ppbv	93
49) Bromoform	13.04	173	55946	0.352	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	77445	0.370	ppbv	88
52) Tetrachloroethene	11.22	164	63174	0.437	ppbv	89
53) Toluene	9.81	91	159548	0.427	ppbv	98
54) 1,2-Dibromoethane	10.61	107	89804	0.470	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.13	131	74329	0.488	ppbv #	1
57) Chlorobenzene	12.15	112	147523	0.525	ppbv	96
58) Ethyl Benzene	12.71	91	220444	0.463	ppbv	97
59) m/p-Xylene	13.00	91	85987	0.212	ppbv #	1
60) o-Xylene	13.70	91	195814	0.506	ppbv	99
61) Styrene	13.53	104	74763	0.378	ppbv	96
62) Isopropylbenzene	14.67	105	276921	0.503	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	72867	0.282	ppbv #	34
64) n-propylbenzene	15.57	120	61512	0.448	ppbv #	63
65) tert-Butylbenzene	16.75	119	245736	0.501	ppbv	92
66) Benzyl Chloride	16.82	91	3382	0.162	ppbv #	68
67) sec-Butylbenzene	17.30	105	314850	0.482	ppbv	99
69) p-Isopropyltoluene	17.66	119	263039	0.477	ppbv	97
70) n-Butylbenzene	18.56	91	249576	0.489	ppbv	99
71) 2-Chlorotoluene	15.45	91	193859	0.502	ppbv	99
72) 4-Ethyltoluene	15.85	105	205716	0.467	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	187165	0.439	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	229604	0.523	ppbv #	89
75) 1,3-Dichlorobenzene	17.00	146	132437	0.497	ppbv	95
76) 1,4-Dichlorobenzene	17.14	146	54044	0.203	ppbv #	22
77) 1,2-Dichlorobenzene	17.82	146	127169	0.492	ppbv	94
78) Hexachloro-1,3-Butadiene	23.37	225	41980	0.195	ppbv #	18
79) Naphthalene	22.21	128	72389	0.211	ppbv #	95
80) Naphthalene,2-methyl-	25.00	142	9295	0.113	ppbv	91
81) 1,2,4-Trichlorobenzene	21.93	180	36315	0.180	ppbv #	11

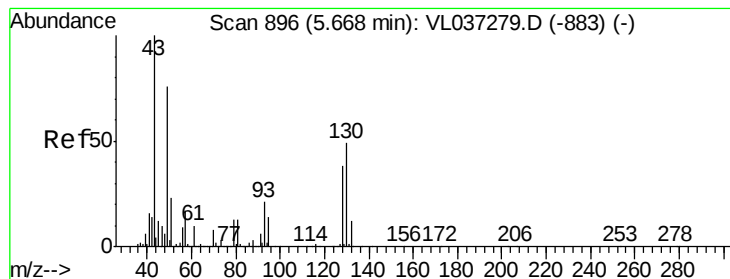
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

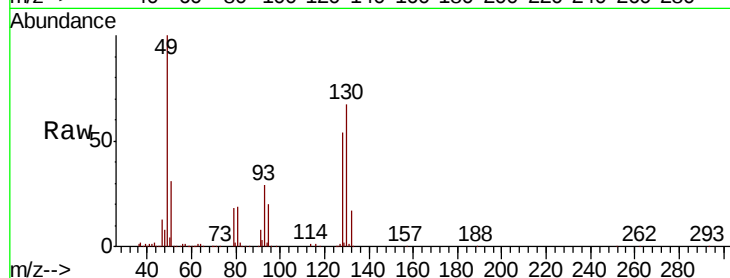
Tot Ion: 49 Resp: 1293404

Ion Ratio Lower Upper

49 100

128 57.8 28.4 85.2

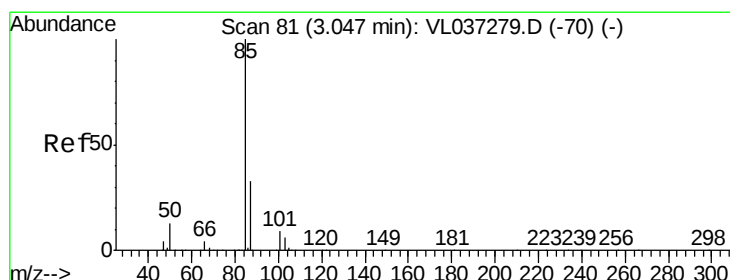
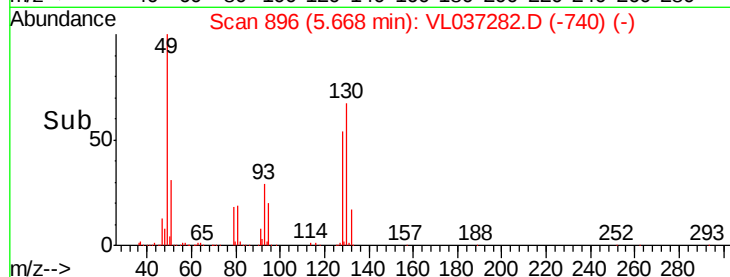
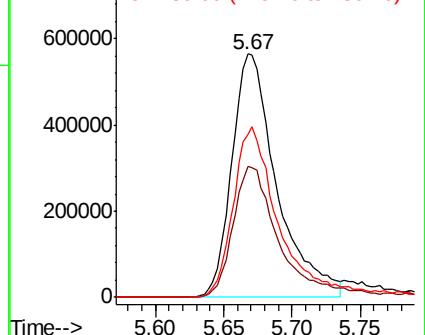
130 74.5 34.8 104.5



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: 0.675 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037282.D

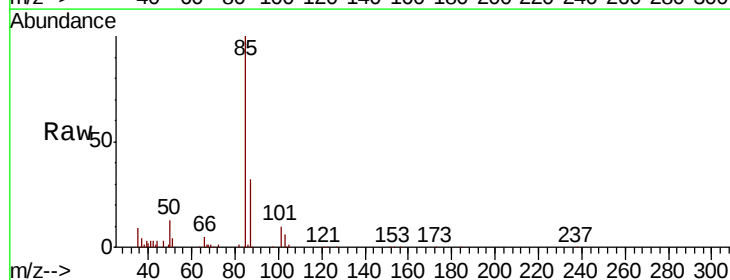
Acq: 27 Jul 2021 4:31

Tgt Ion: 85 Resp: 154035

Ion Ratio Lower Upper

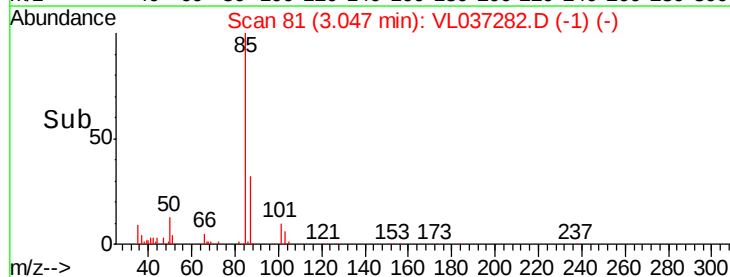
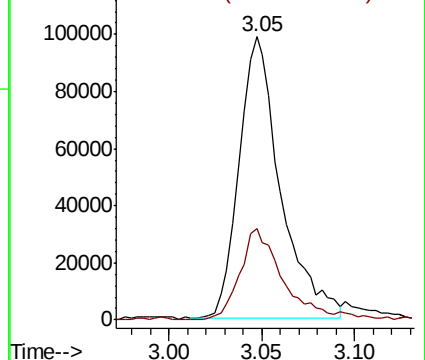
85 100

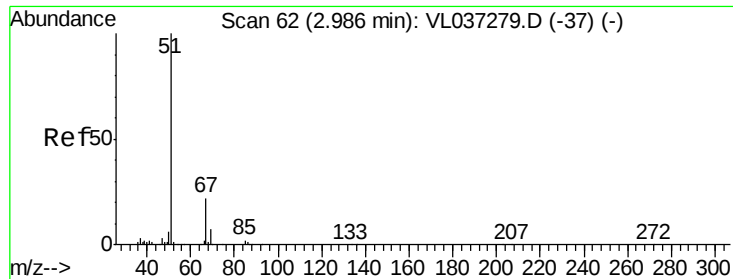
87 32.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

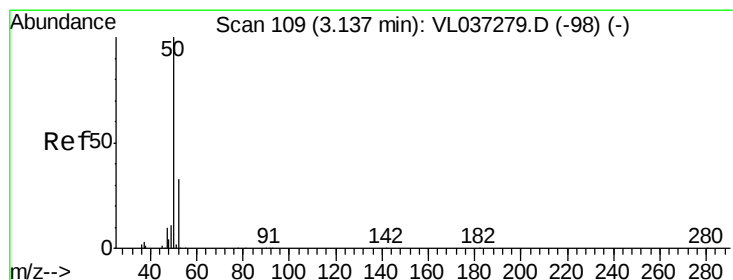
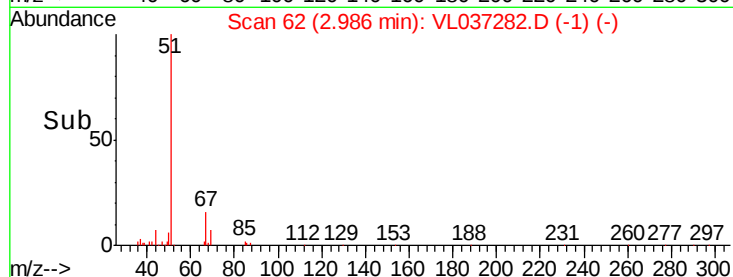
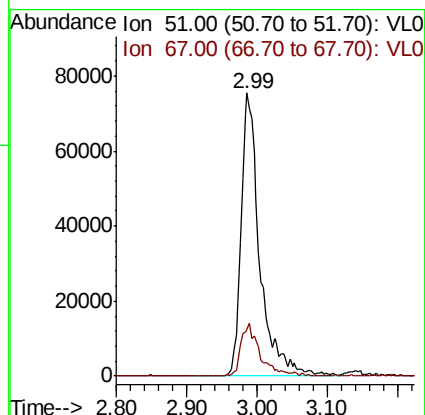
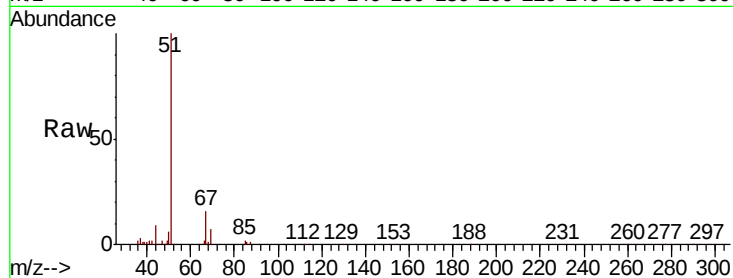




#3
Chlorodifluoromethane
Concen: 0.551 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

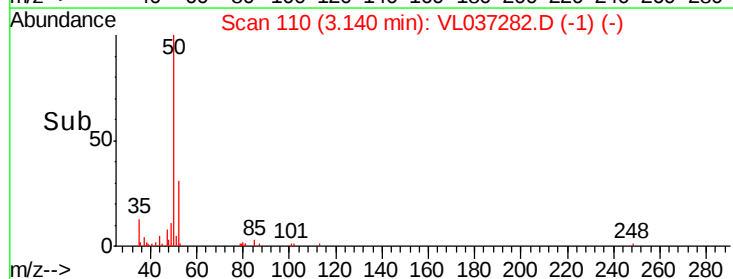
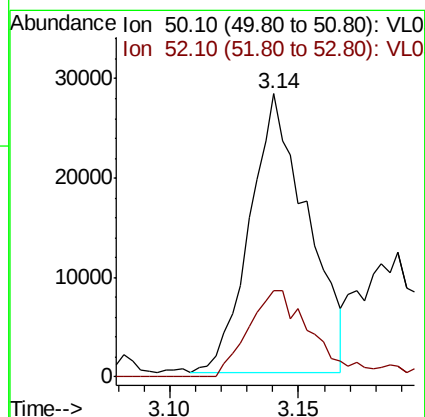
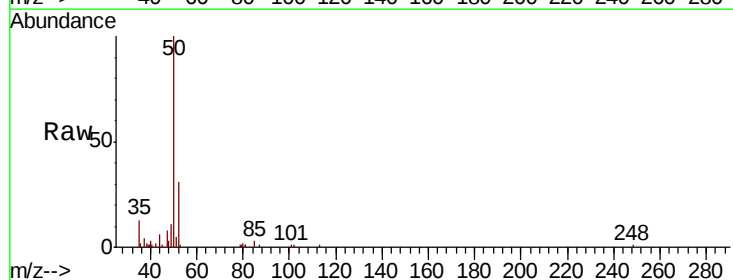
Instrument :
MSVOA_L
ClientSampleId :

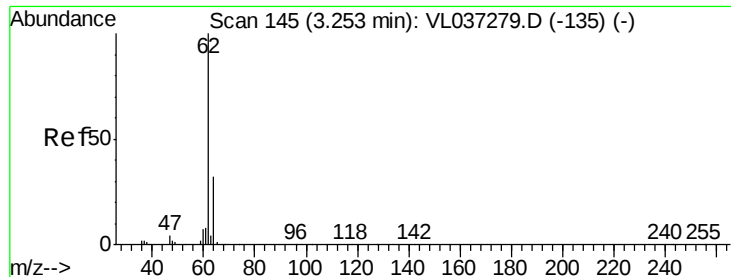
Tot Ion: 51 Resp: 139787
Ion Ratio Lower Upper
51 100
67 19.2 16.2 24.4



#4
Chloromethane
Concen: 0.513 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 50 Resp: 43321
Ion Ratio Lower Upper
50 100
52 31.2 26.4 39.6





#5

Vinyl Chloride

Concen: 0.247 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

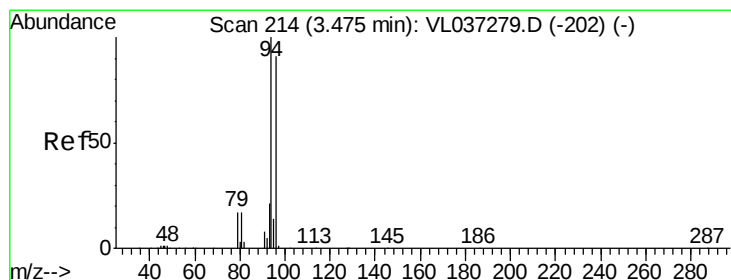
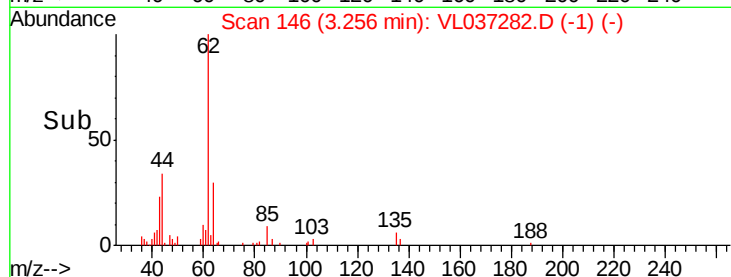
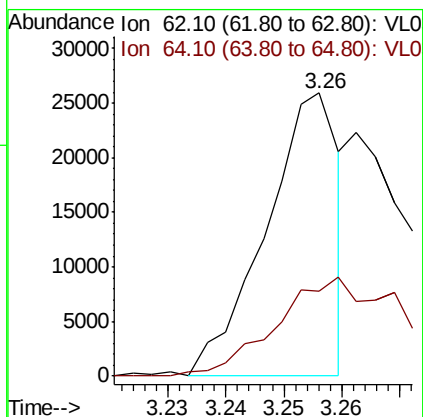
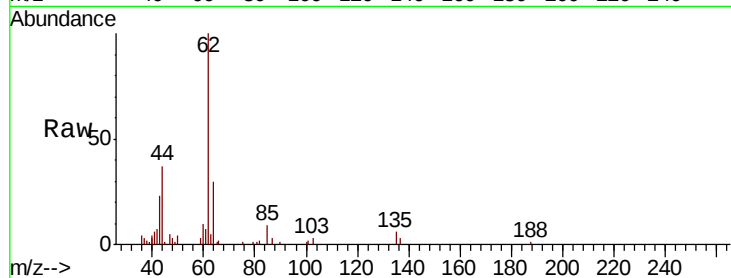
ClientSampled :

Tot Ion: 62 Resp: 22714

Ion Ratio Lower Upper

62 100

64 28.8 25.5 38.3



#6

Bromomethane

Concen: 0.500 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037282.D

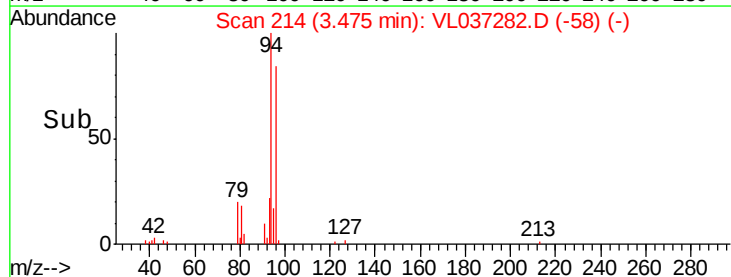
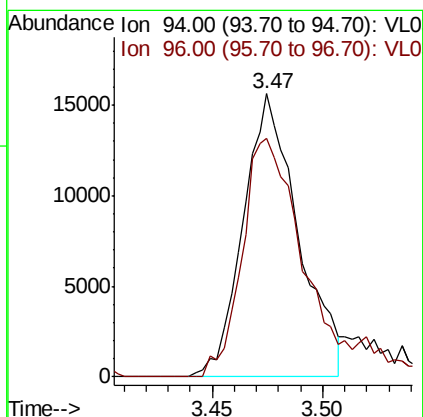
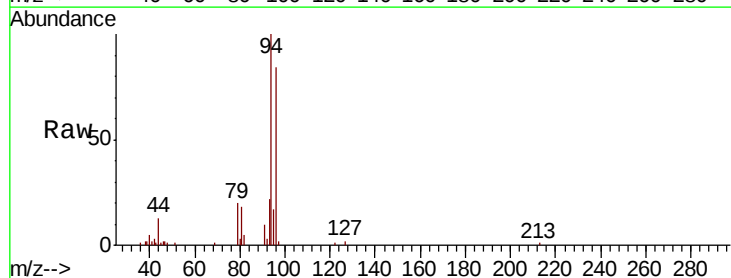
Acq: 27 Jul 2021 4:31

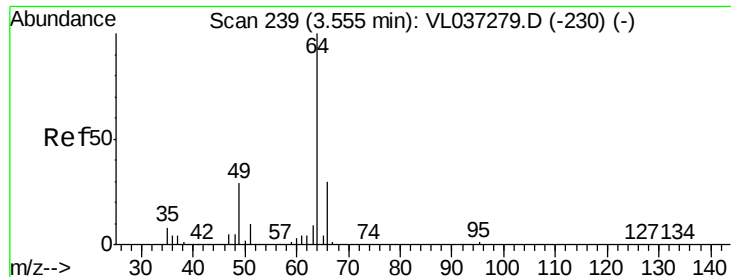
Tgt Ion: 94 Resp: 27165

Ion Ratio Lower Upper

94 100

96 84.5 73.0 109.4





#7

Chloroethane

Concen: 0.390 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

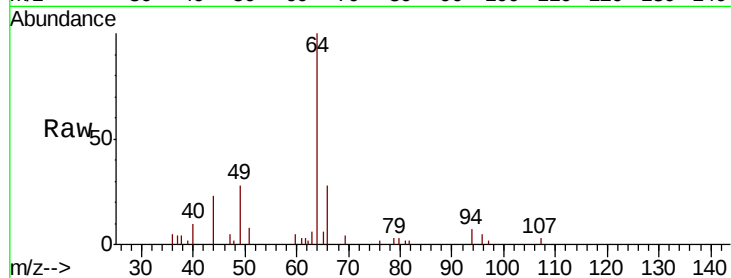
ClientSampleId :

Tot Ion: 64 Resp: 13083

Ion Ratio Lower Upper

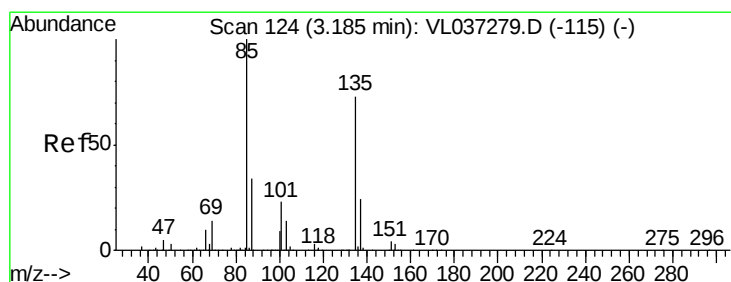
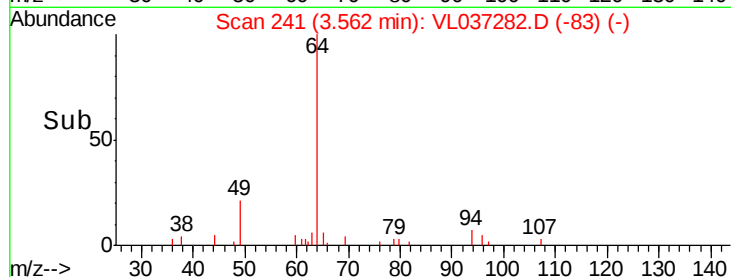
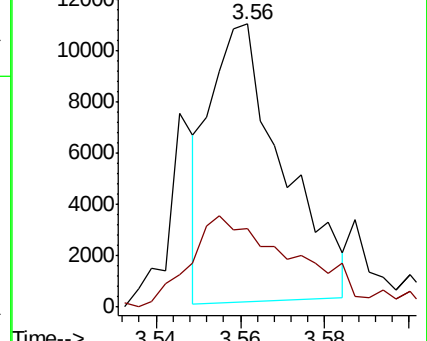
64 100

66 27.8 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.525 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037282.D

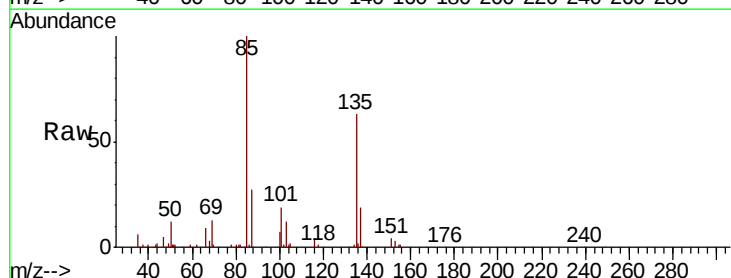
Acq: 27 Jul 2021 4:31

Tgt Ion: 85 Resp: 122467

Ion Ratio Lower Upper

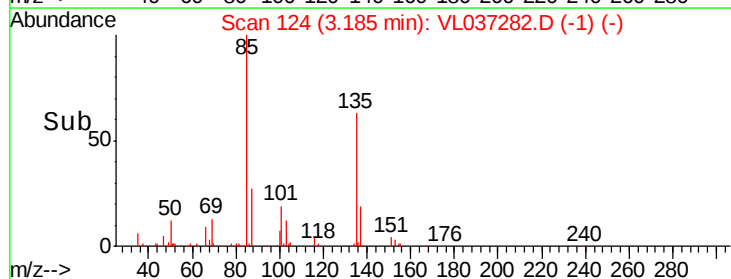
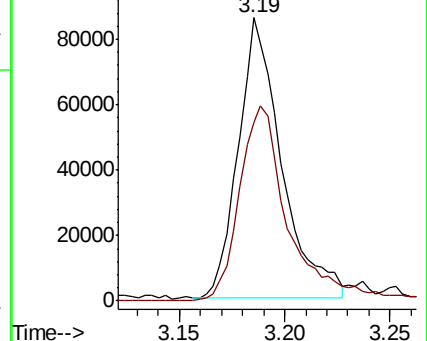
85 100

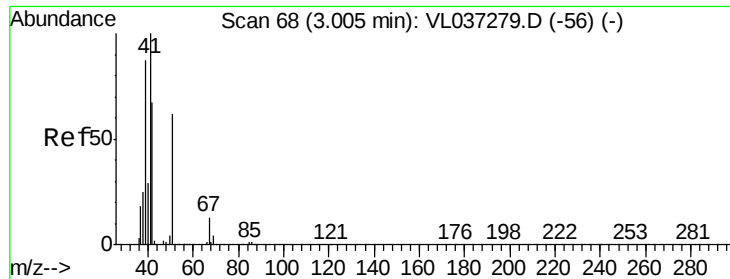
135 79.9 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.519 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

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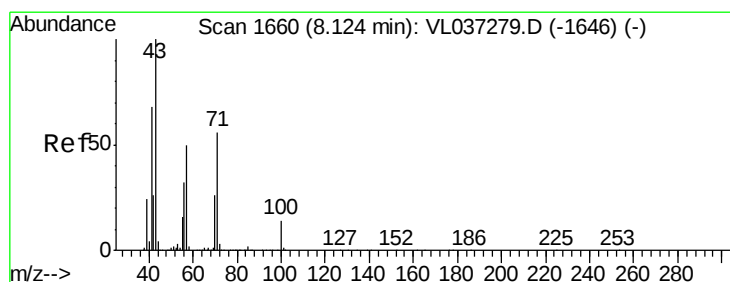
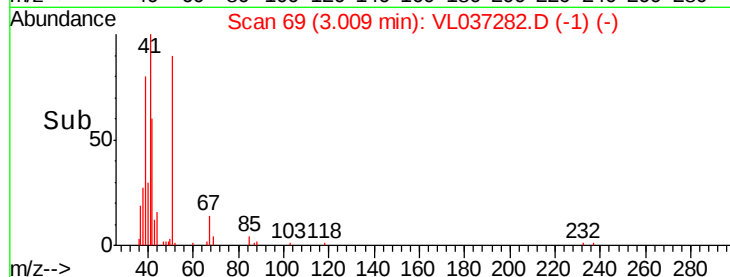
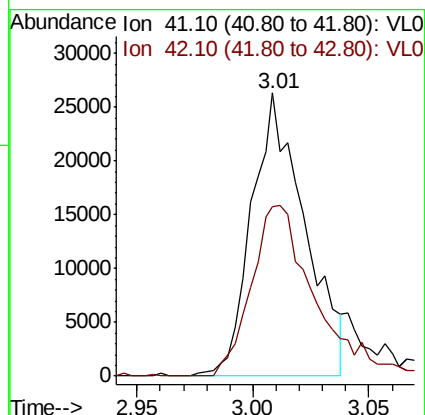
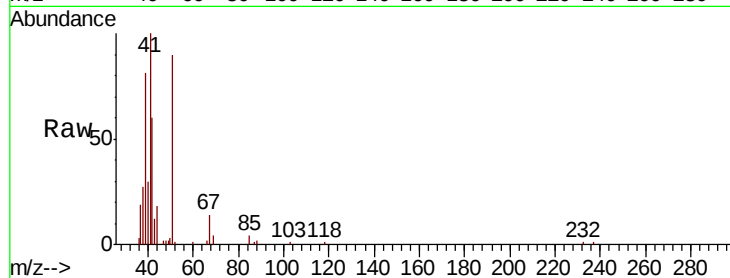
ClientSampled :

Tot Ion: 41 Resp: 41910

Ion Ratio Lower Upper

41 100

42 75.3 53.4 80.2



#10

Heptane

Concen: 0.458 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037282.D

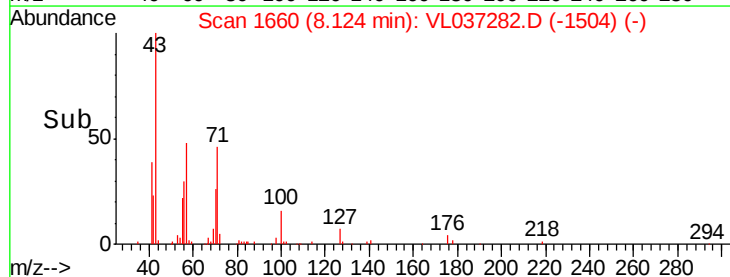
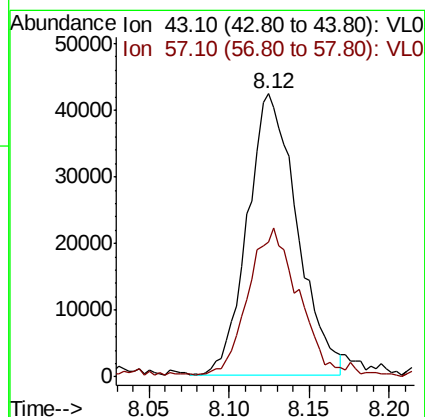
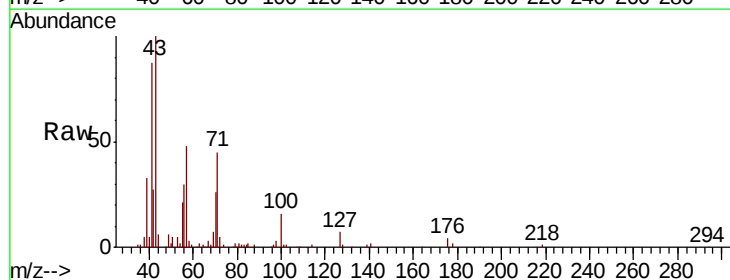
Acq: 27 Jul 2021 4:31

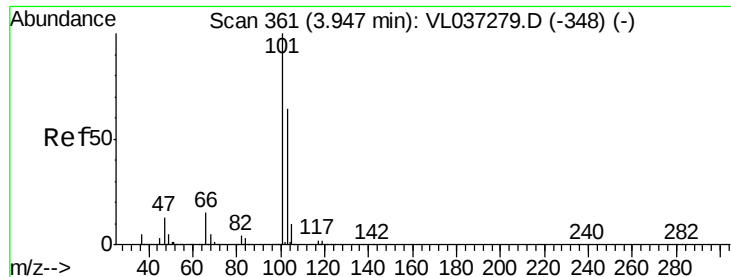
Tgt Ion: 43 Resp: 90005

Ion Ratio Lower Upper

43 100

57 56.4 40.1 60.1

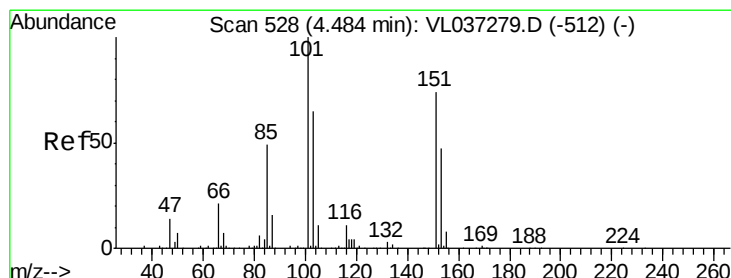
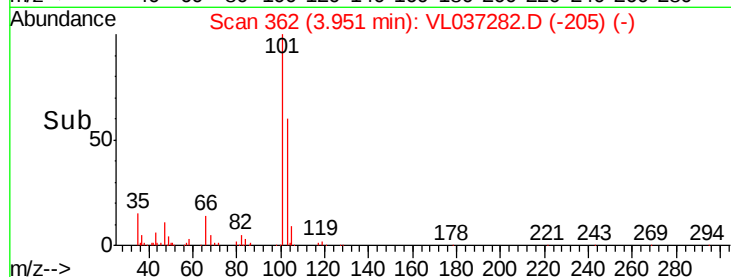
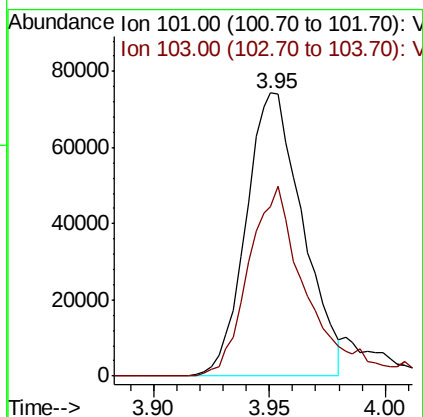
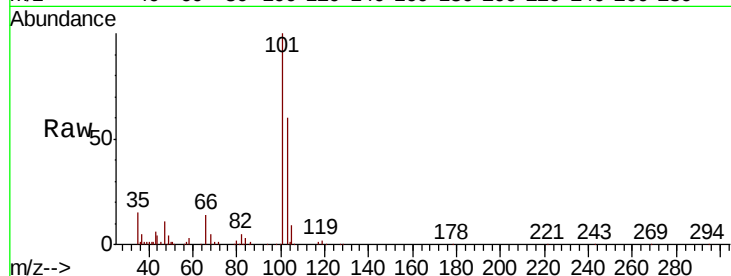




#11
 Trichlorofluoromethane
 Concen: 0.519 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

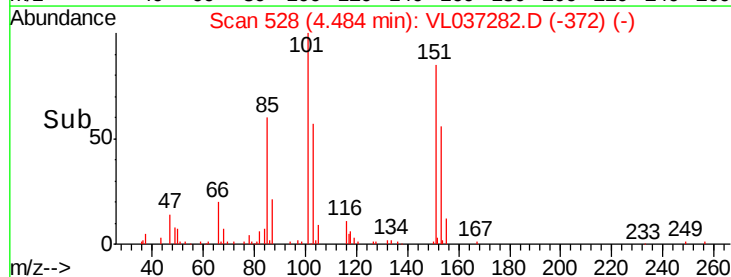
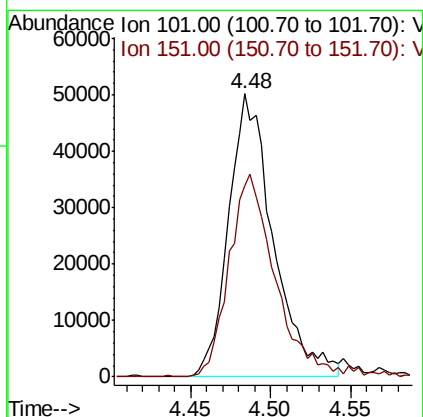
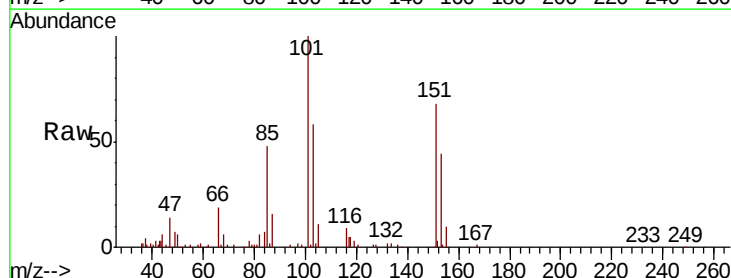
Instrument :
 MSVOA_L
 ClientSampleId :

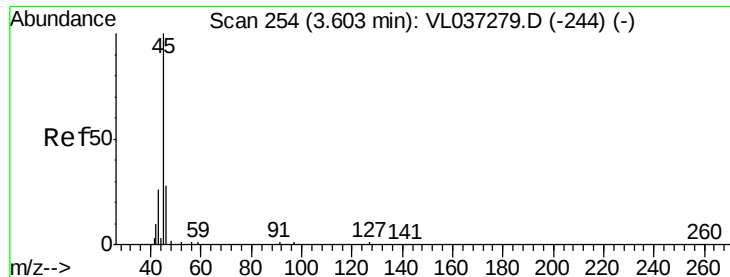
Tot Ion:101 Resp: 126393
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.556 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion:101 Resp: 95702
 Ion Ratio Lower Upper
 101 100
 151 75.4 59.3 88.9

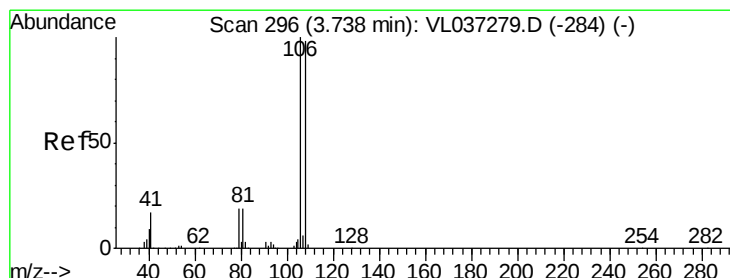
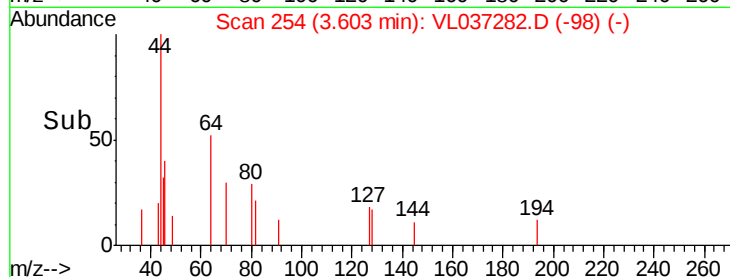
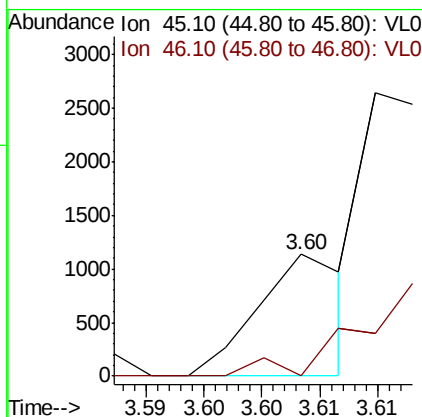
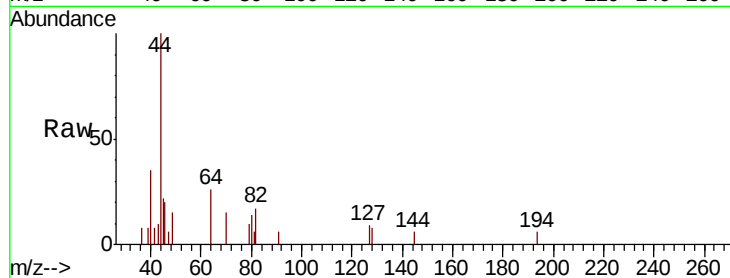




#13
Ethanol
Concen: 0.049 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

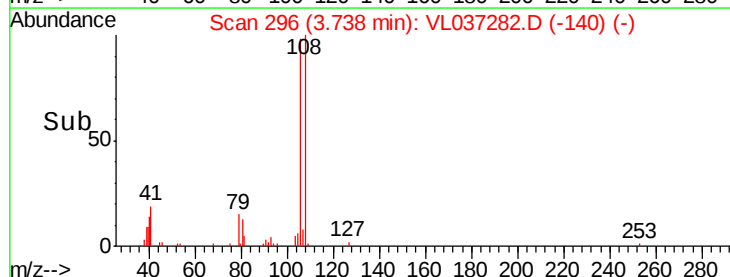
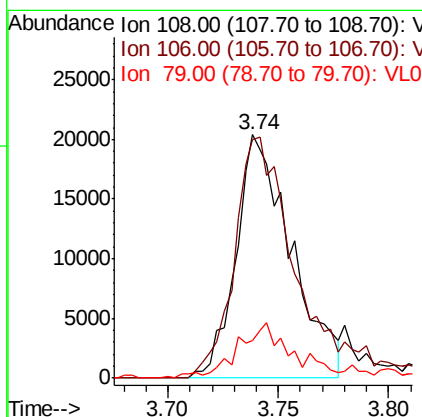
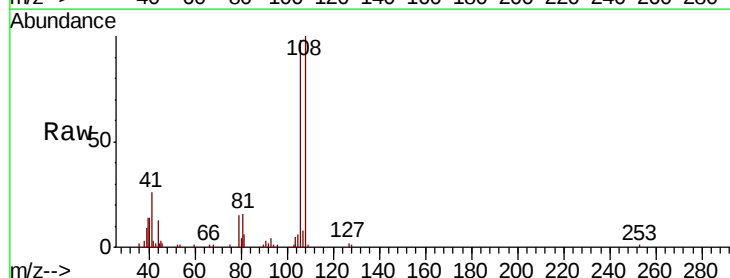
Instrument :
MSVOA_L
ClientSampleId :

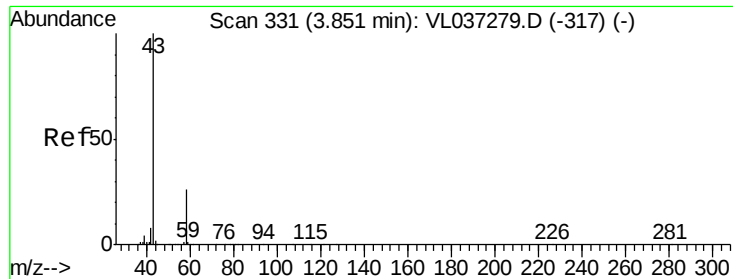
Tot Ion: 45 Resp: 596
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.3#



#14
Bromoethene
Concen: 0.498 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 108 Resp: 35568
Ion Ratio Lower Upper
108 100
106 115.6 86.0 129.0
79 26.1 16.0 24.0#

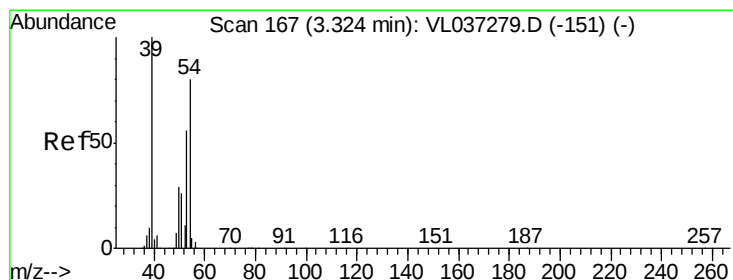
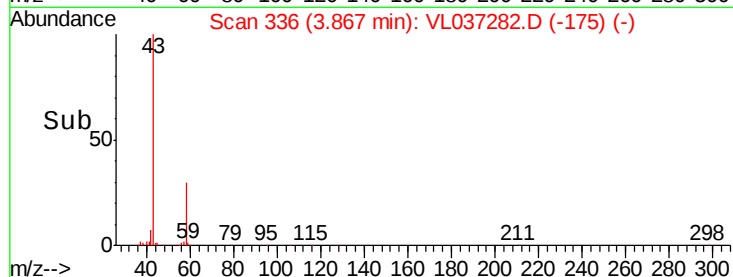
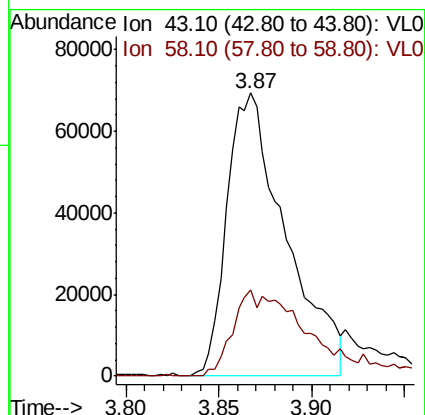
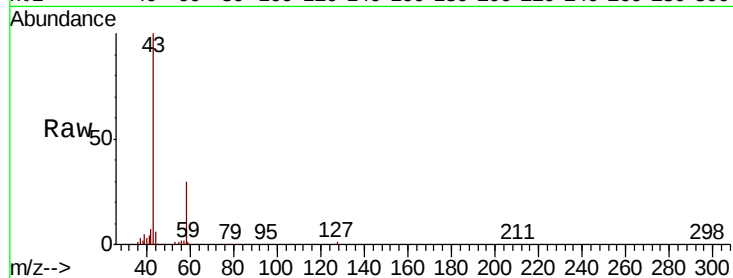




#15
Acetone
Concen: 1.021 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

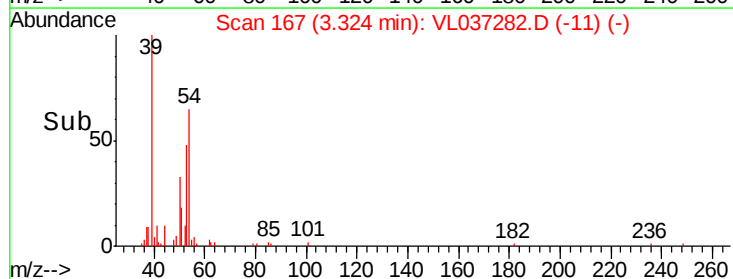
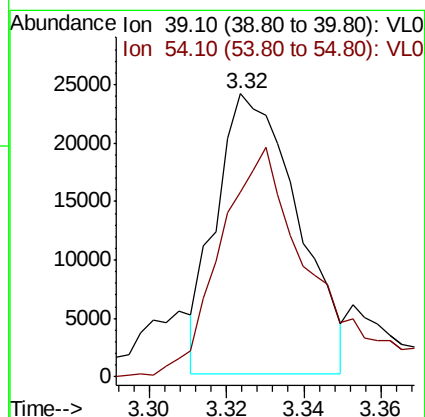
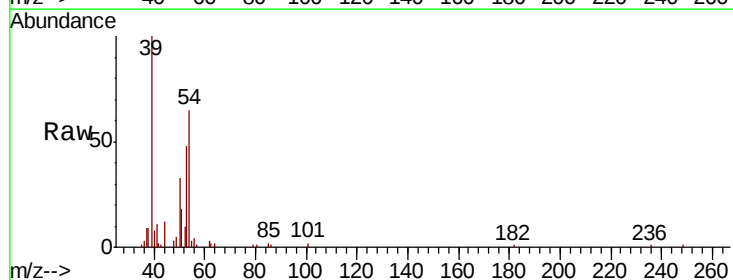
Instrument :
MSVOA_L
ClientSampleId :

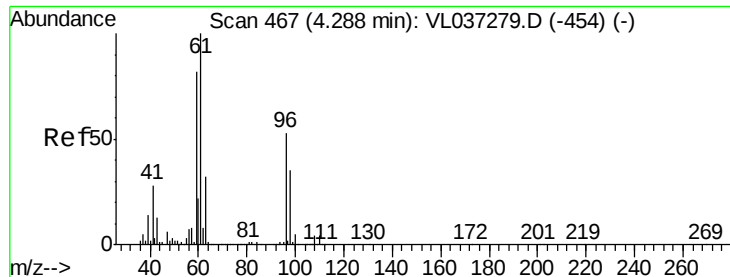
Tot Ion: 43 Resp: 153047
Ion Ratio Lower Upper
43 100
58 41.1 22.3 33.5#



#16
1,3-Butadiene
Concen: 0.402 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 39 Resp: 35014
Ion Ratio Lower Upper
39 100
54 100.5 60.4 90.6#





#18

1,1-Dichloroethene

Concen: 0.509 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

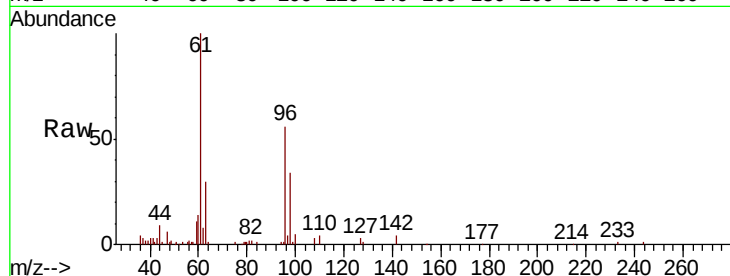
Tot Ion: 96 Resp: 38908

Ion Ratio Lower Upper

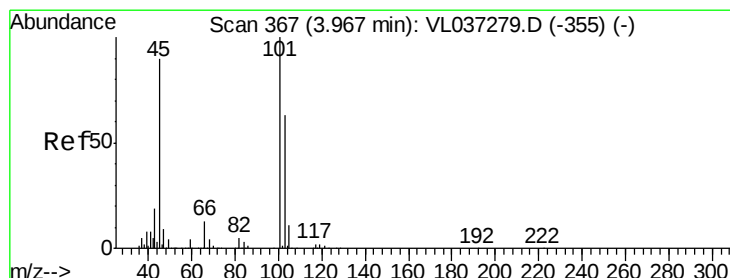
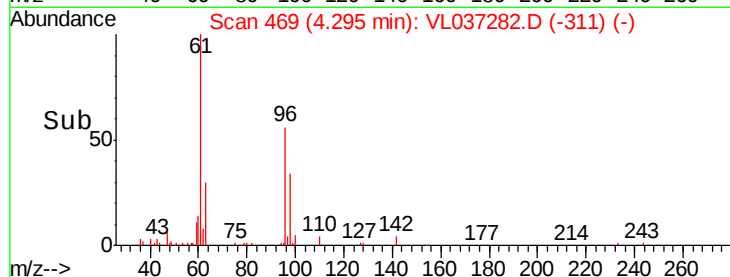
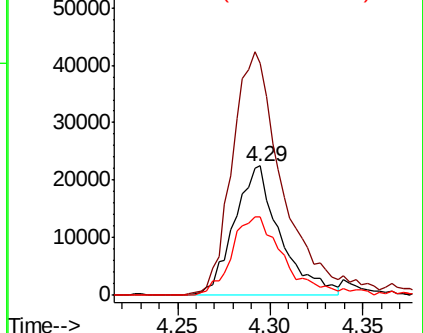
96 100

61 178.3 151.4 227.2

98 60.6 52.4 78.6



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: 0.138 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL037282.D

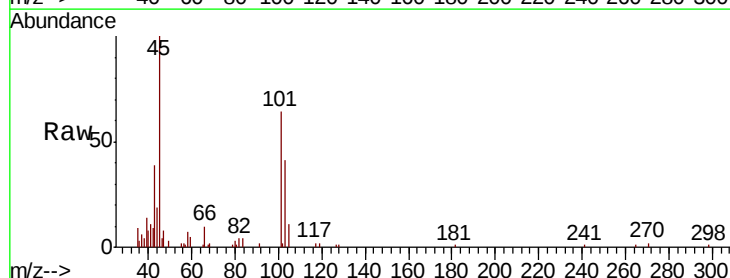
Acq: 27 Jul 2021 4:31

Tgt Ion: 45 Resp: 12041

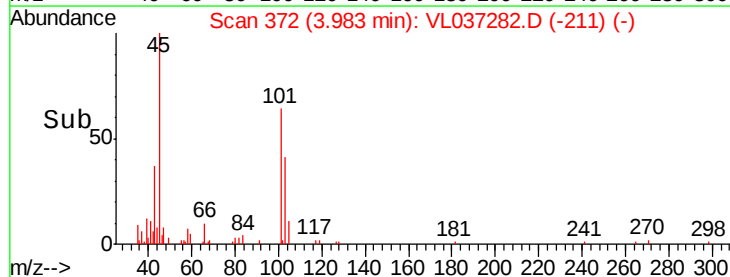
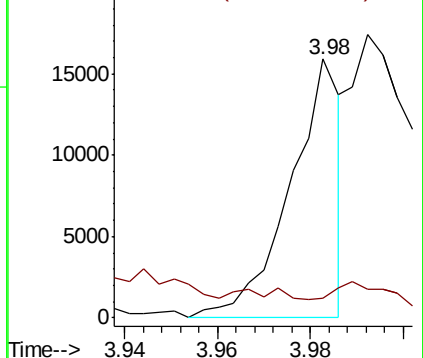
Ion Ratio Lower Upper

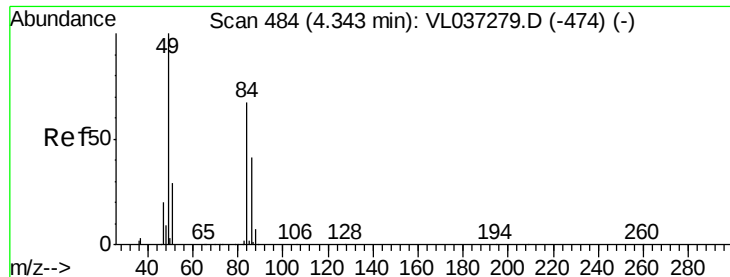
45 100

58 0.0 3.0 4.4#



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

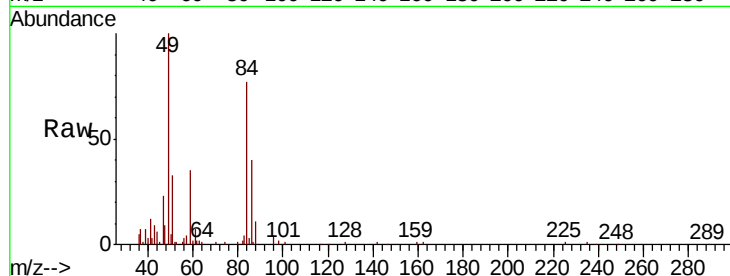




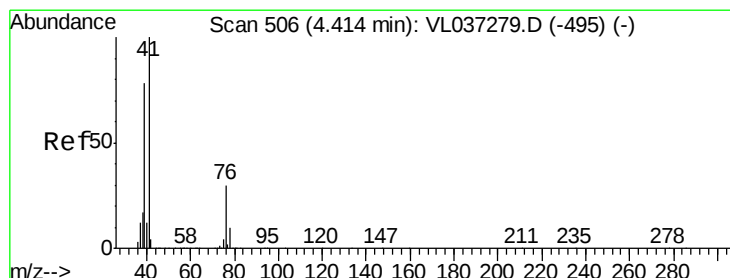
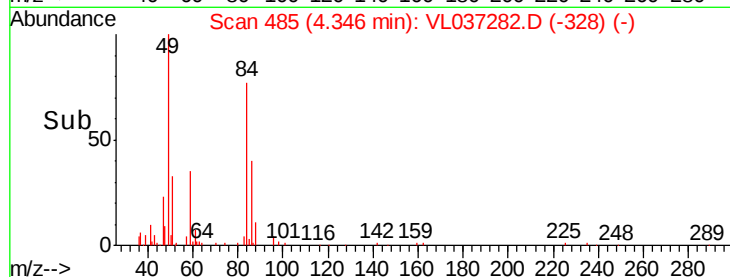
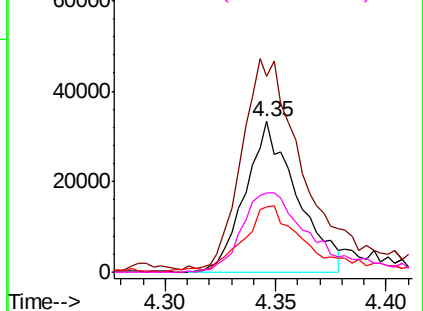
#20
Methylene Chloride
Concen: 0.609 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	54135
Ion	Ratio	Lower	Upper
84	100		
49	126.0	119.0	178.6
51	41.0	35.0	52.4
86	52.1	49.0	73.6

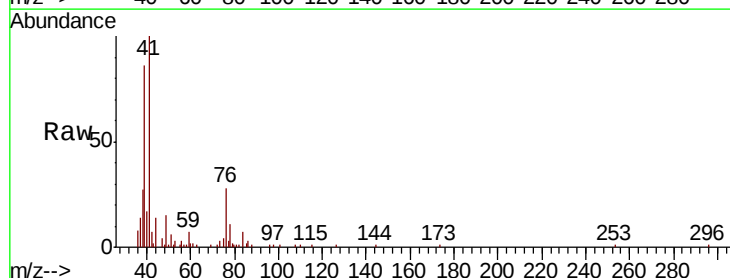


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

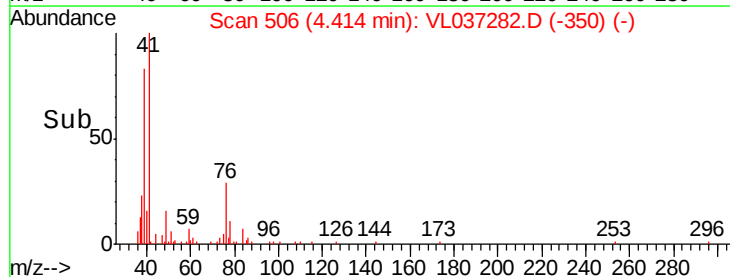
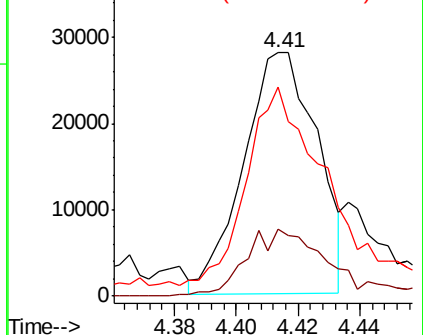


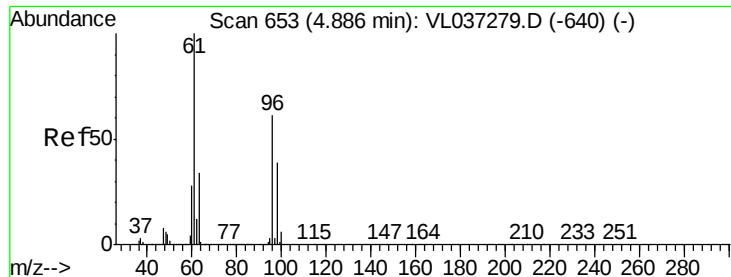
#21
Allyl Chloride
Concen: 0.415 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion:	41	Resp:	46518
Ion	Ratio	Lower	Upper
41	100		
76	33.8	23.6	35.4
39	104.5	63.8	95.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.445 ppbv

RT: 4.89 min Scan# 653

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

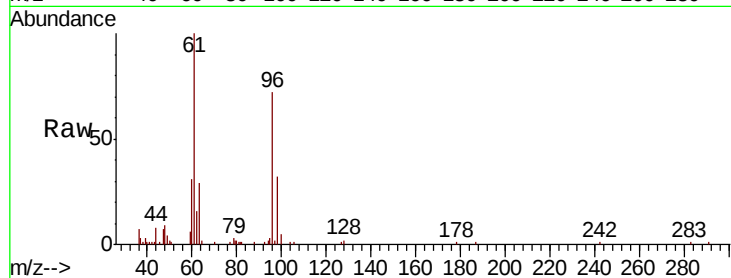
Tot Ion: 96 Resp: 33543

Ion Ratio Lower Upper

96 100

61 131.3 131.8 197.6#

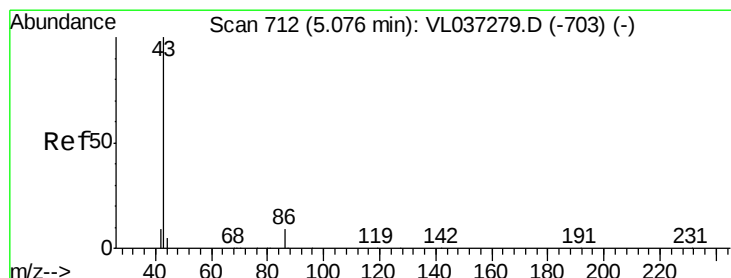
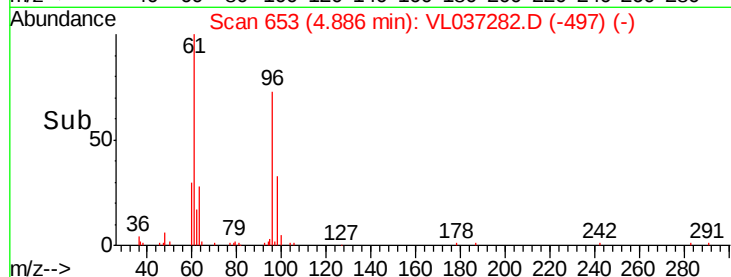
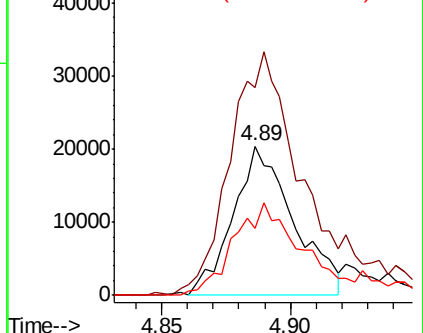
98 41.2 51.4 77.2#



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



#23

Vinyl Acetate

Concen: 0.448 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion: 43 Resp: 94290

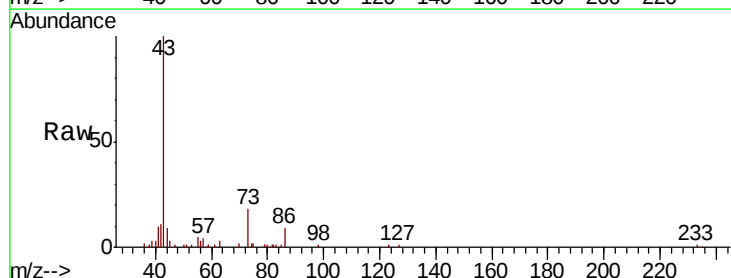
Ion Ratio Lower Upper

43 100

86 8.7 6.2 9.2

42 10.1 8.2 12.4

44 2.1 3.7 5.5#

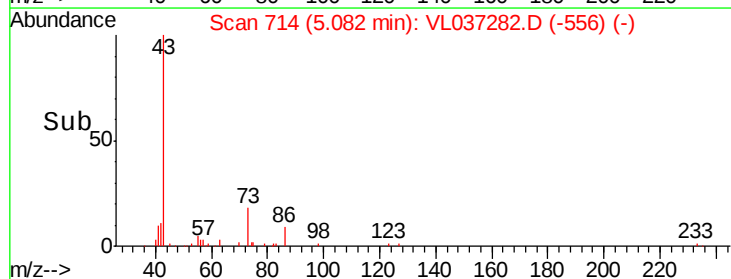
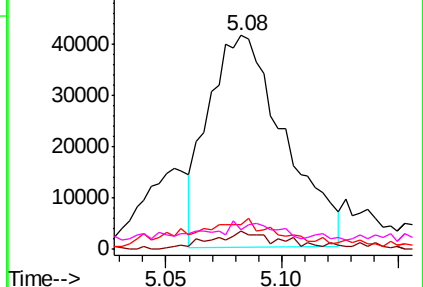


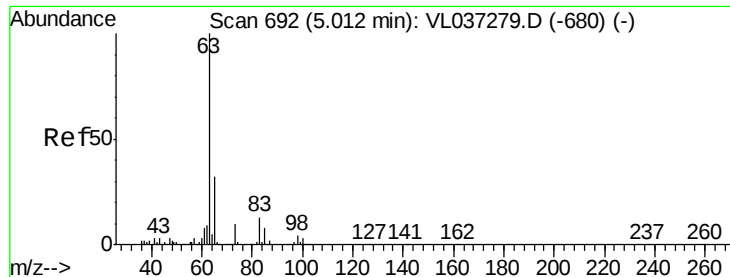
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.510 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

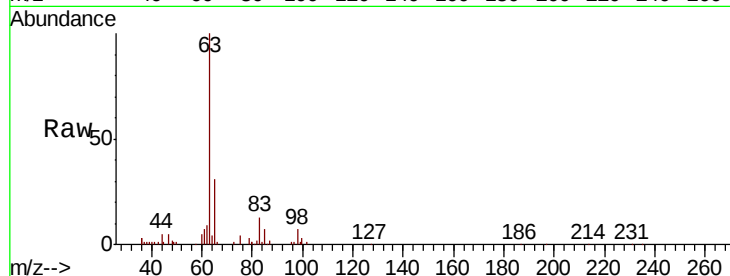
Tot Ion: 63 Resp: 87090

Ion Ratio Lower Upper

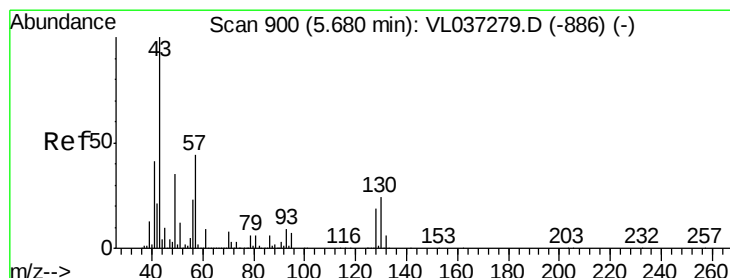
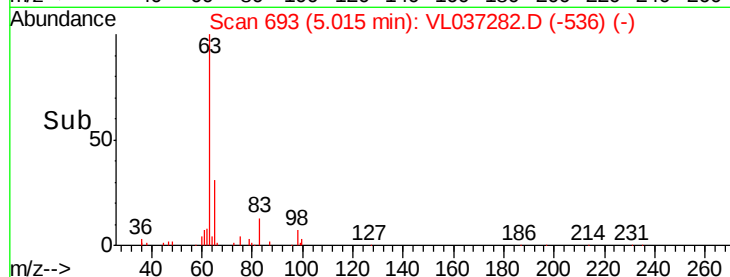
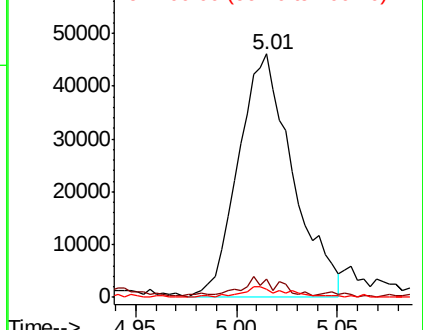
63 100

98 6.2 2.4 7.1

100 3.3 1.4 4.0



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: 0.452 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Tgt Ion: 43 Resp: 143970

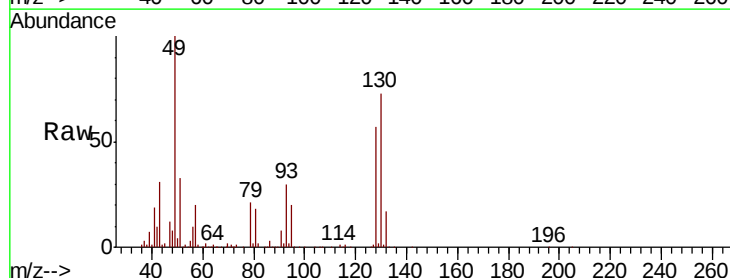
Ion Ratio Lower Upper

43 100

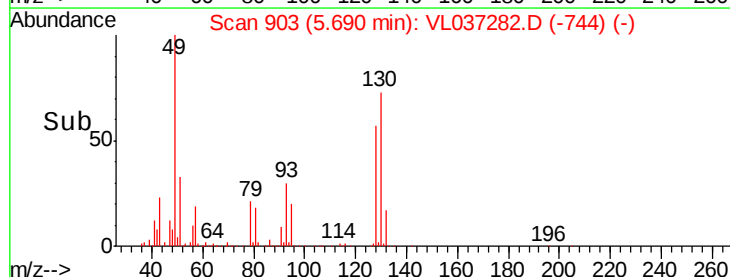
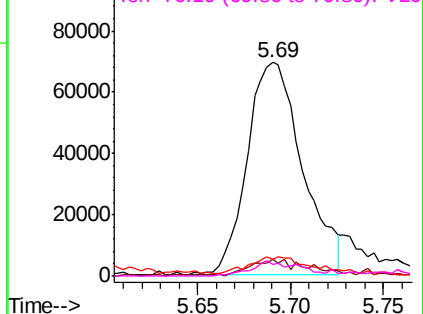
45 9.9 7.8 11.6

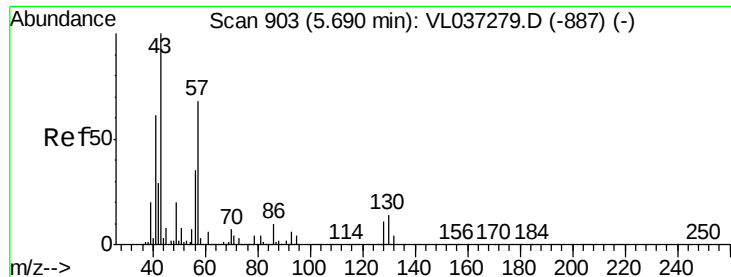
61 12.3 8.0 12.0#

70 6.6 5.4 8.2



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

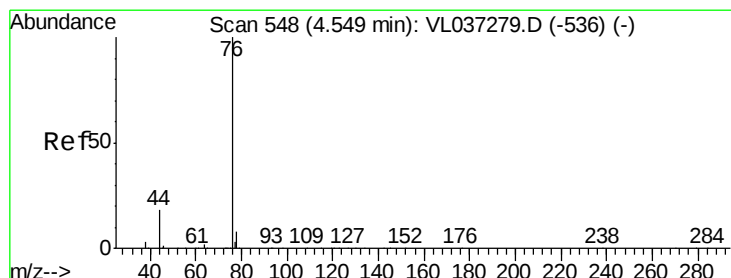
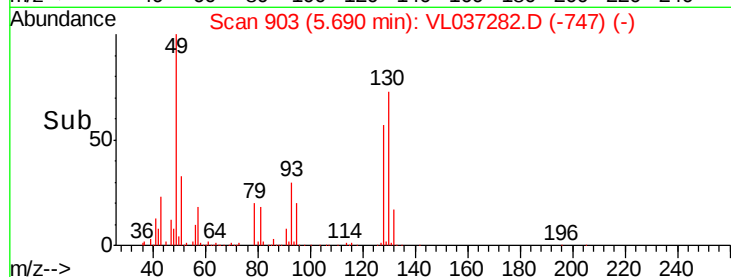
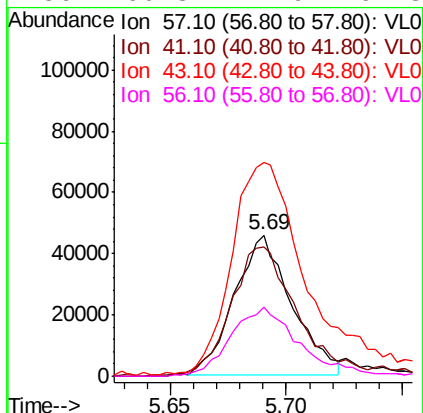
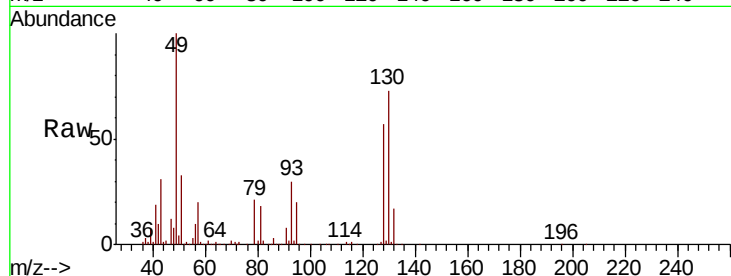




#26
Hexane
Concen: 0.485 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

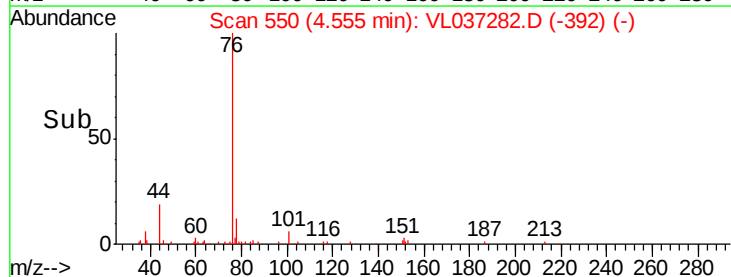
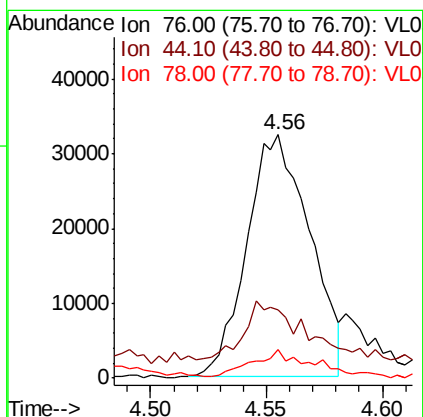
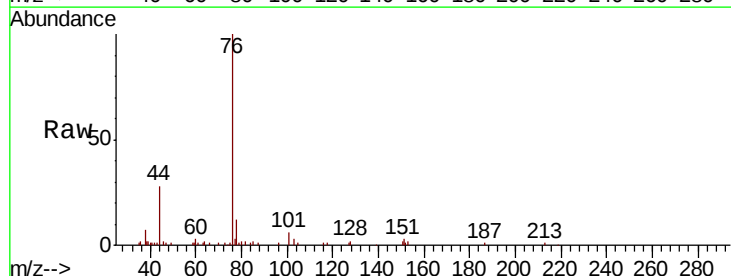
Instrument :
MSVOA_L
ClientSampleId :

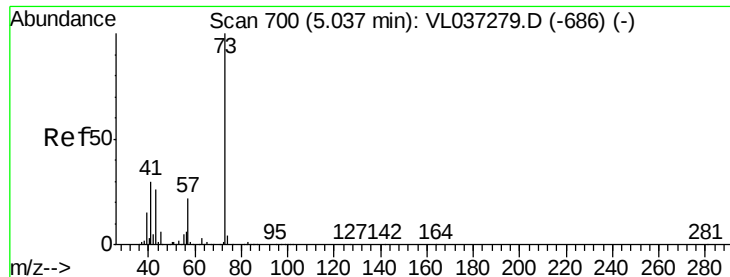
Tot Ion: 57 Resp: 77864
Ion Ratio Lower Upper
57 100
41 117.7 75.7 113.5#
43 217.8 172.2 258.2
56 60.3 42.9 64.3



#27
Carbon Disulfide
Concen: 0.383 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.01 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 76 Resp: 60768
Ion Ratio Lower Upper
76 100
44 30.9 15.8 23.8#
78 13.8 8.4 12.6#



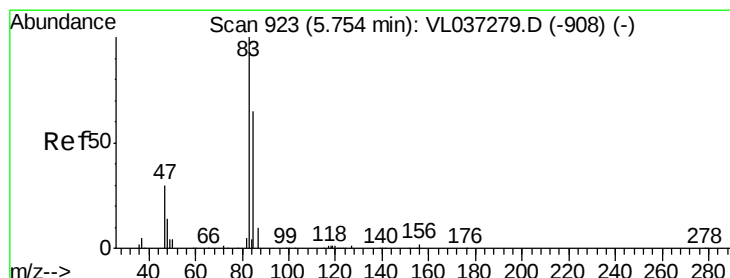
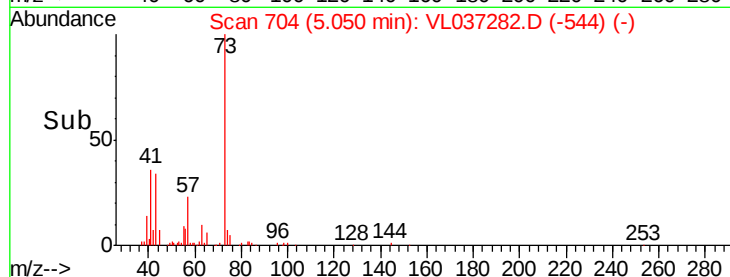
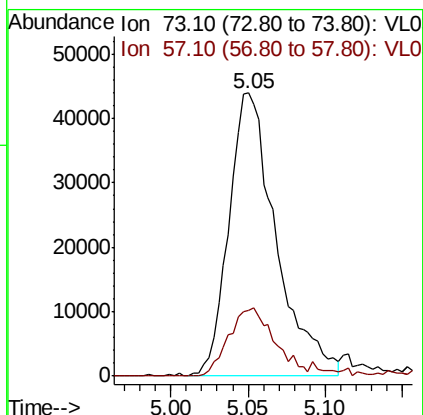
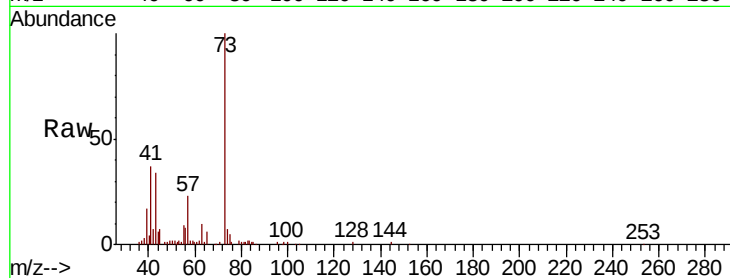


#28

Methvl tert-Butvl Ether
 Concen: 0.482 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :

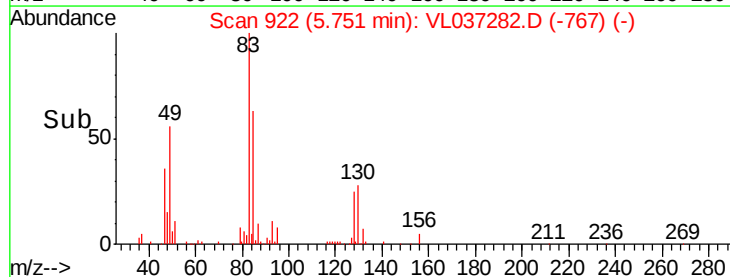
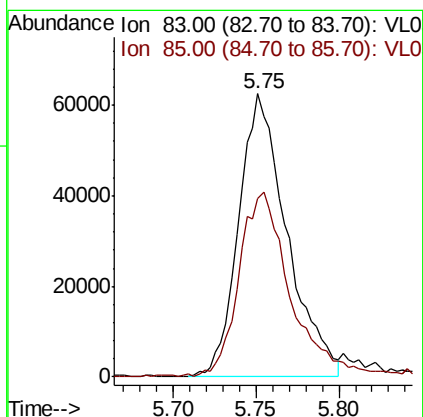
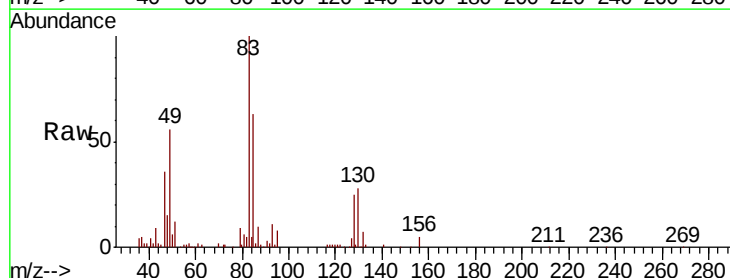
Tot Ion: 73 Resp: 93100
 Ion Ratio Lower Upper
 73 100
 57 25.6 17.9 26.9

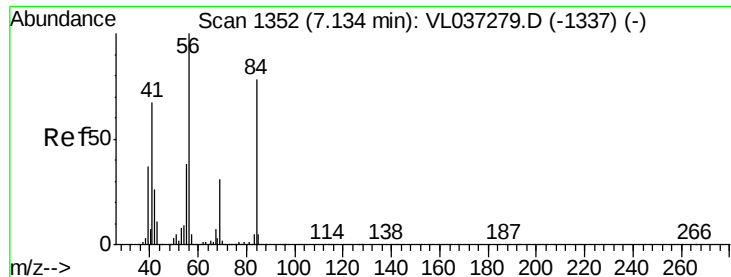


#29

Chloroform
 Concen: 0.506 ppbv
 RT: 5.75 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion: 83 Resp: 126550
 Ion Ratio Lower Upper
 83 100
 85 62.2 52.2 78.2

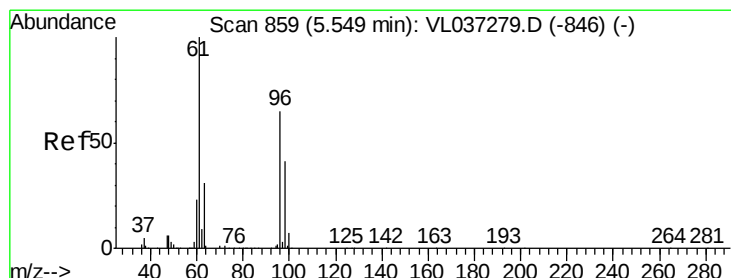
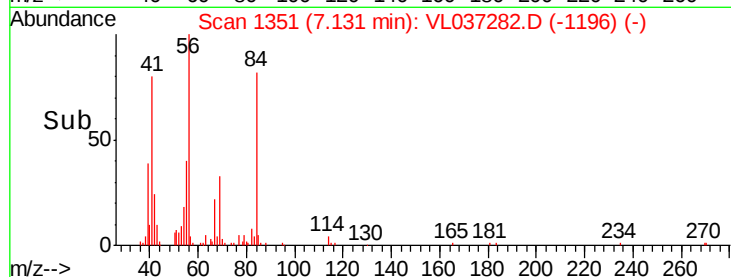
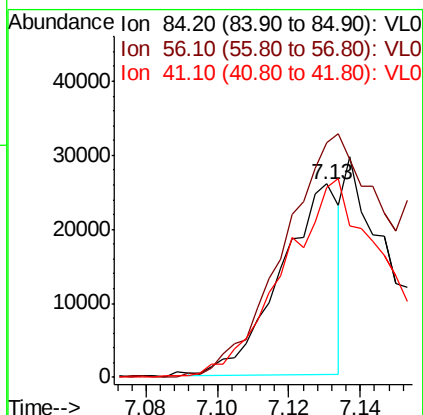
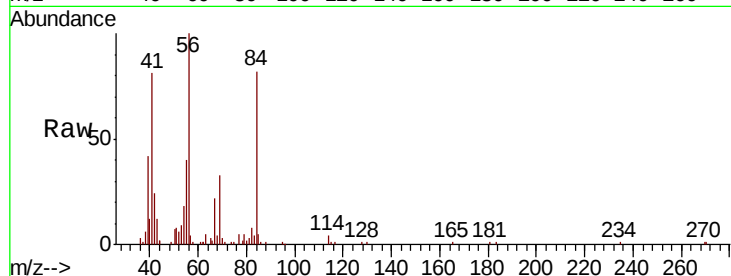




#30
Cvclohexane
Concen: 0.218 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

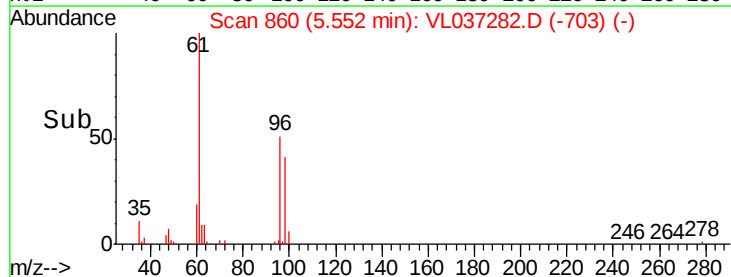
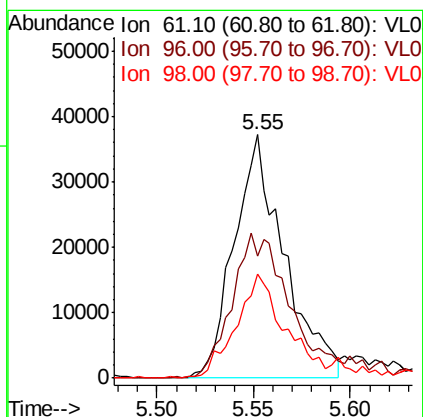
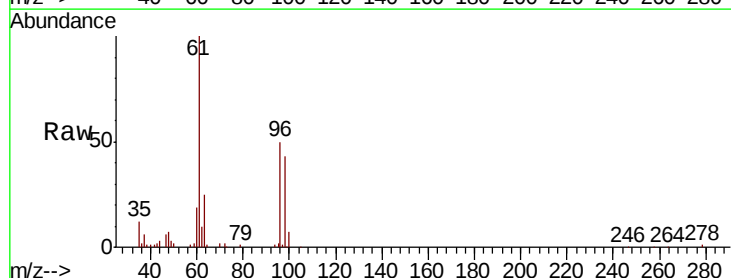
Instrument :
MSVOA_L
ClientSampleId :

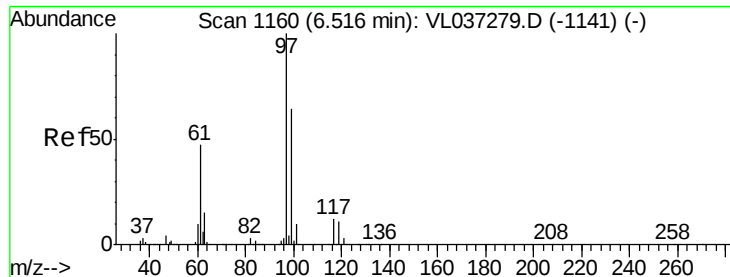
Tot Ion: 84 Resp: 29215
Ion Ratio Lower Upper
84 100
56 224.1 106.3 159.5#
41 200.3 68.6 103.0#



#31
cis-1,2-Dichloroethene
Concen: 0.452 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 61 Resp: 66958
Ion Ratio Lower Upper
61 100
96 49.4 52.1 78.1#
98 42.2 32.6 49.0





#32

1,1,1-Trichloroethane

Concen: 0.462 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

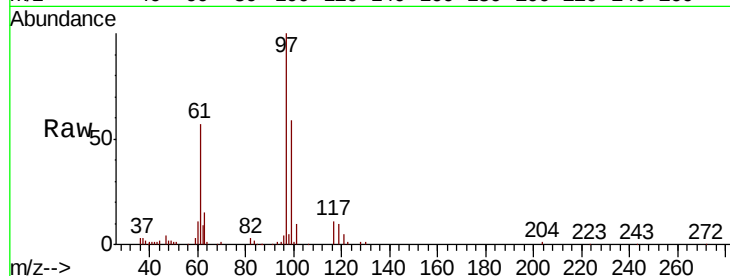
Tot Ion: 97 Resp: 122968

Ion Ratio Lower Upper

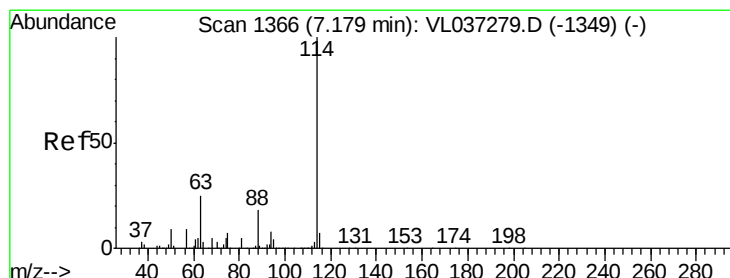
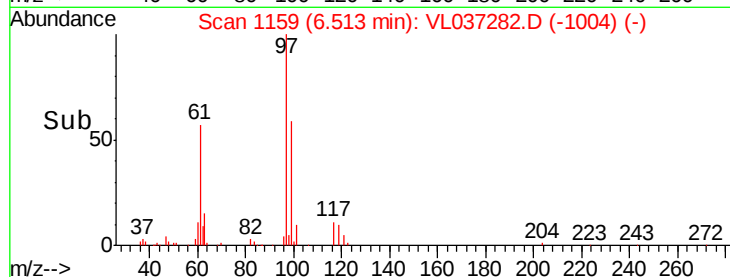
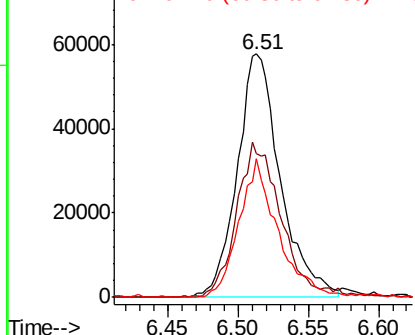
97 100

99 66.3 52.2 78.2

61 52.3 39.1 58.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

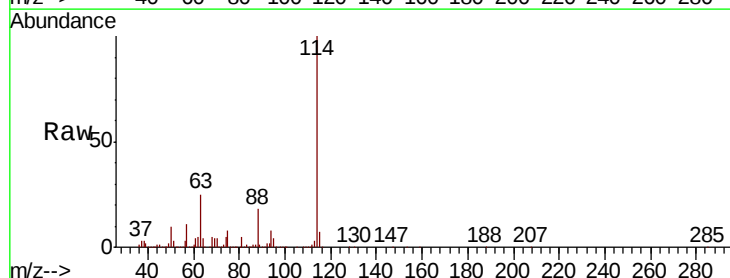
Tgt Ion: 114 Resp: 3832818

Ion Ratio Lower Upper

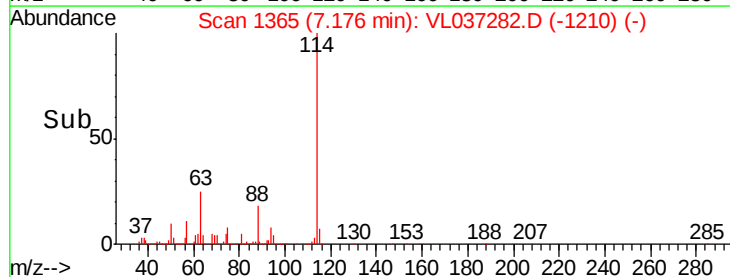
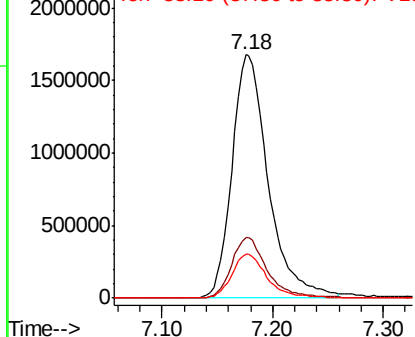
114 100

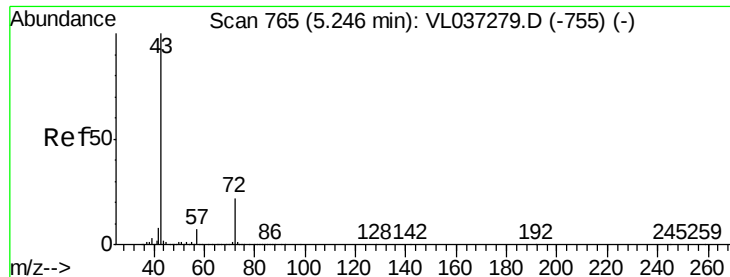
63 24.9 20.2 30.2

88 18.0 14.2 21.4



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

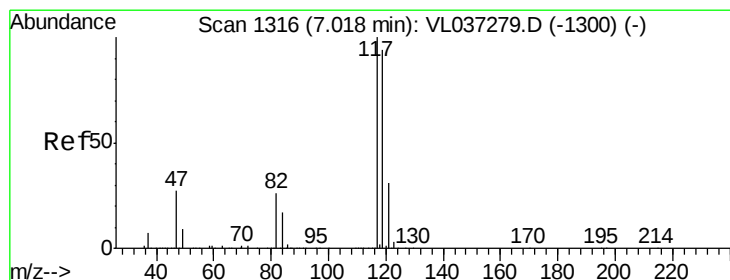
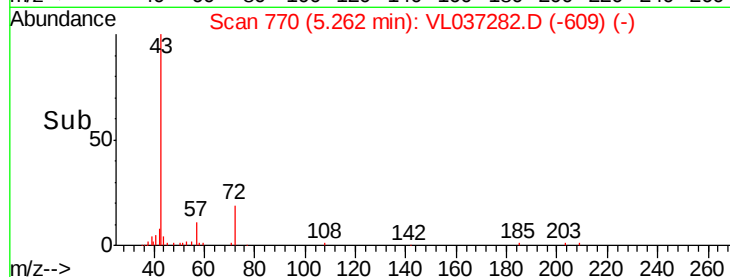
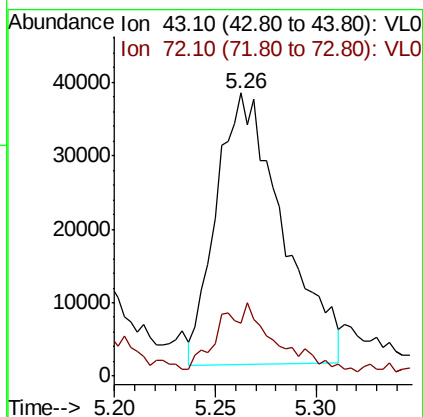
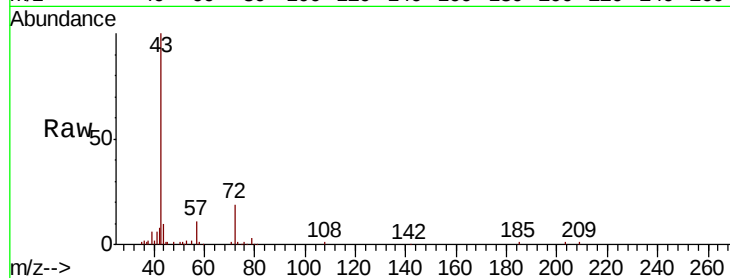




#34
2-Butanone
Concen: 0.558 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.02 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

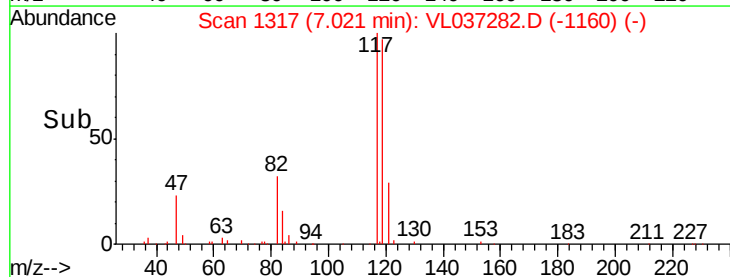
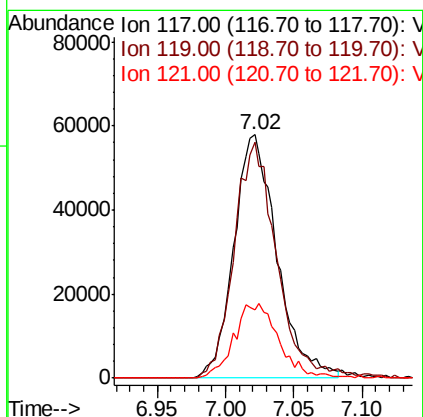
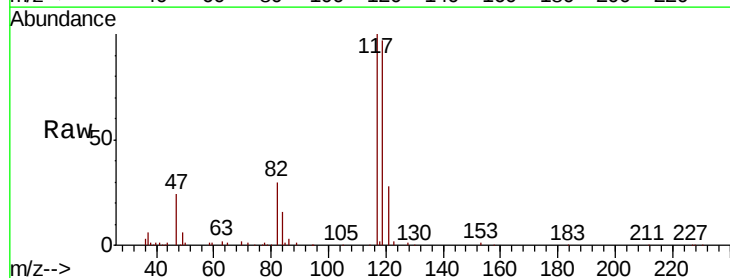
Instrument :
MSVOA_L
ClientSampleId :

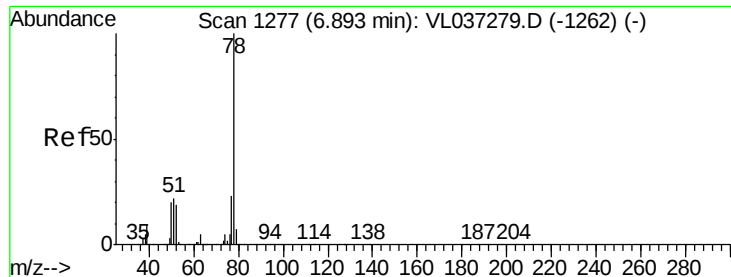
Tot Ion: 43 Resp: 84847
Ion Ratio Lower Upper
43 100
72 28.9 17.9 26.9#



#35
Carbon Tetrachloride
Concen: 0.488 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 117 Resp: 127036
Ion Ratio Lower Upper
117 100
119 97.0 75.4 113.0
121 28.0 24.8 37.2

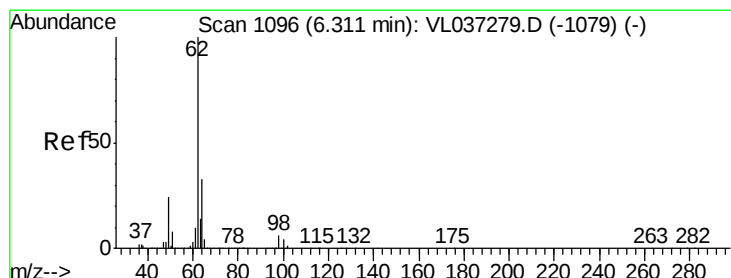
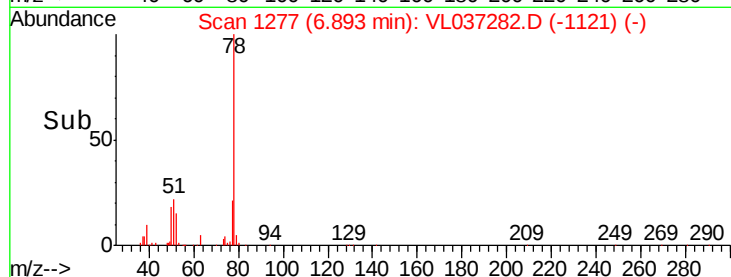
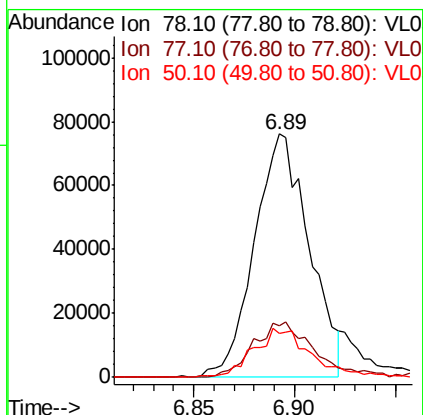
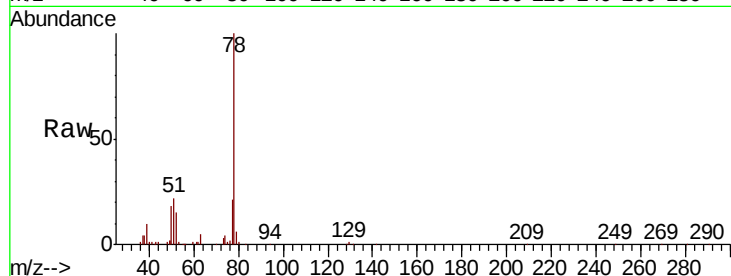




#36
Benzene
Concen: 0.461 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

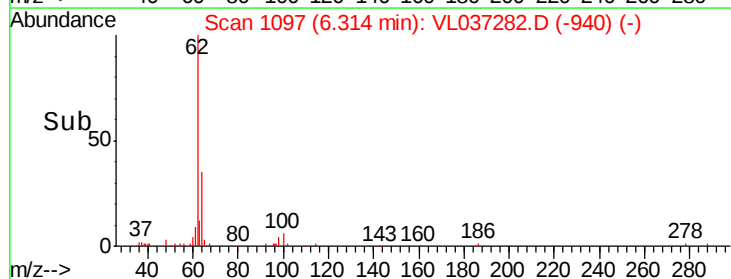
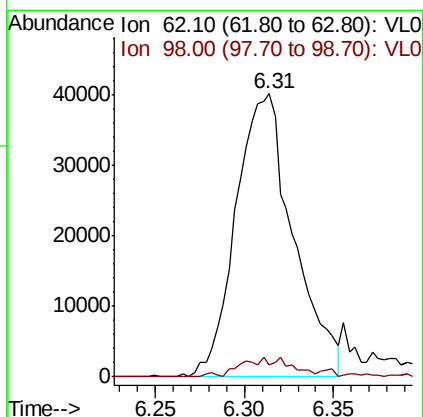
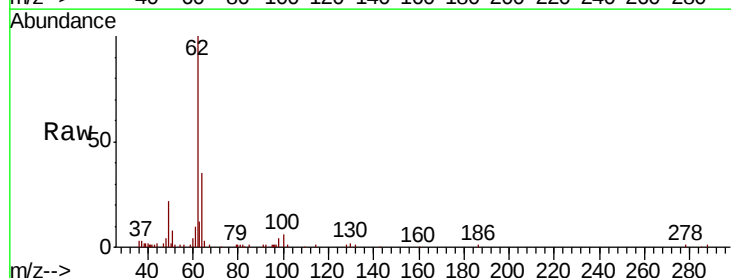
Instrument :
MSVOA_L
ClientSampleId :

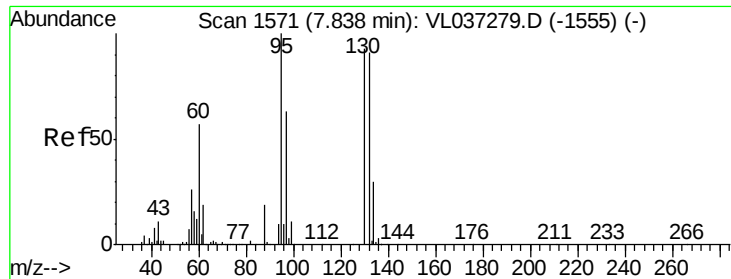
Tot Ion: 78 Resp: 143682
Ion Ratio Lower Upper
78 100
77 21.5 18.5 27.7
50 17.9 16.2 24.4



#37
1,2-Dichloroethane
Concen: 0.489 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 62 Resp: 89767
Ion Ratio Lower Upper
62 100
98 5.9 4.9 7.3





#38

Trichloroethene

Concen: 0.177 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130 Resp: 26259

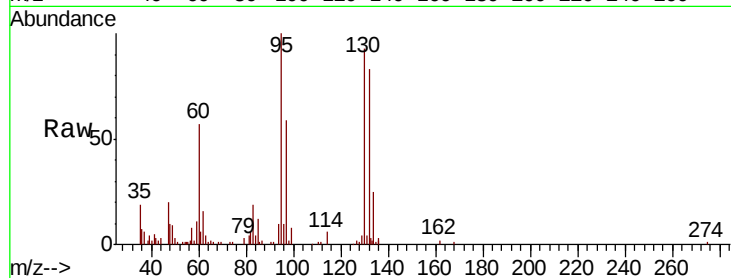
Ion Ratio Lower Upper

130 100

95 105.0 86.2 129.2

132 89.3 78.0 117.0

97 62.9 53.8 80.8

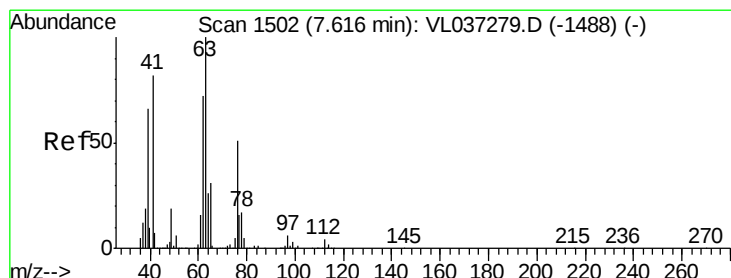
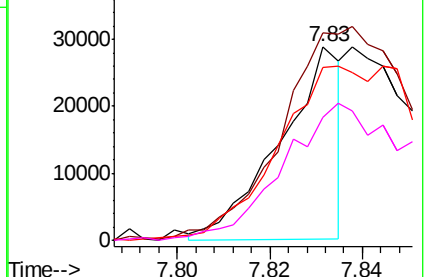
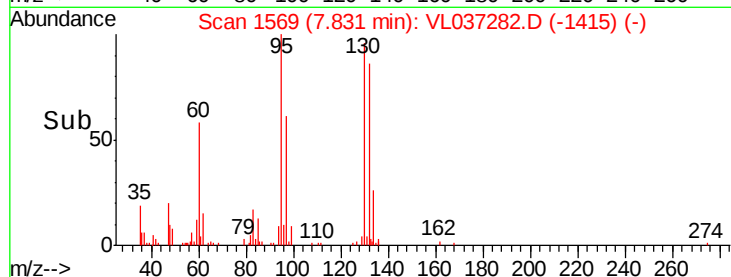


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.443 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

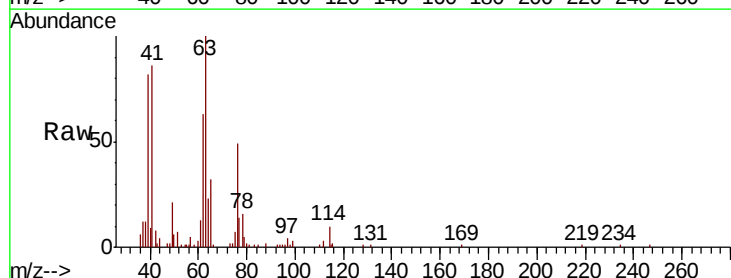
Tgt Ion: 63 Resp: 51371

Ion Ratio Lower Upper

63 100

41 82.7 65.6 98.4

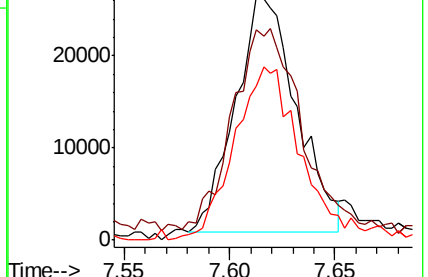
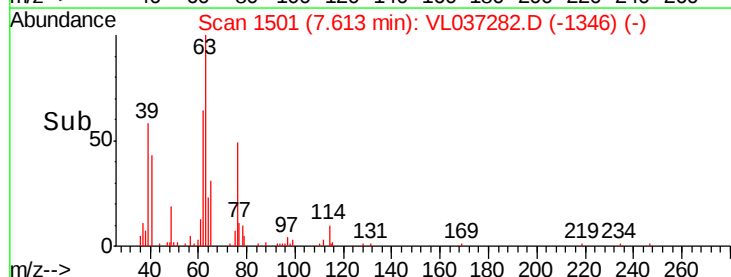
62 64.3 57.9 86.9

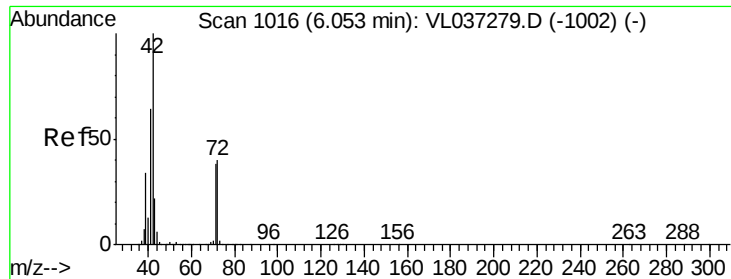


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.292 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.03 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

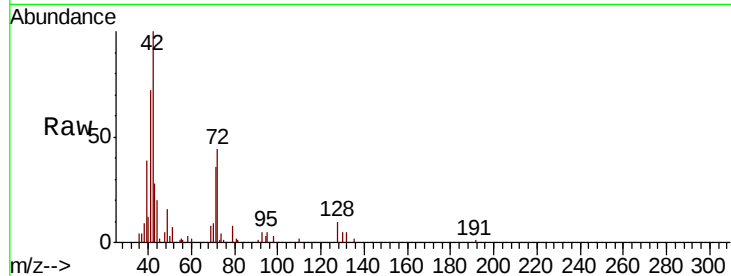
Tot Ion: 42 Resp: 20448

Ion Ratio Lower Upper

42 100

72 59.3 31.4 47.0#

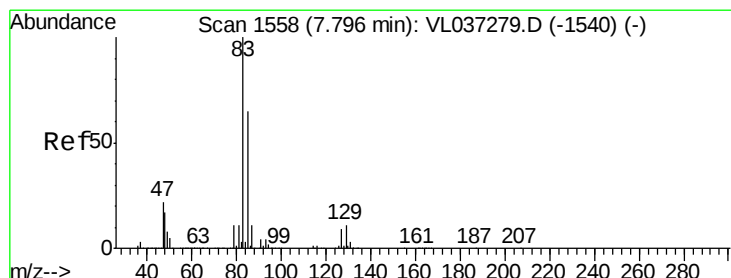
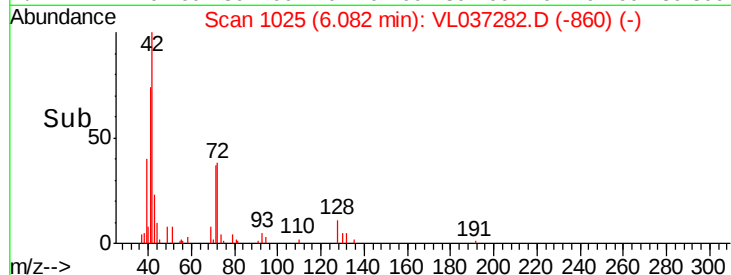
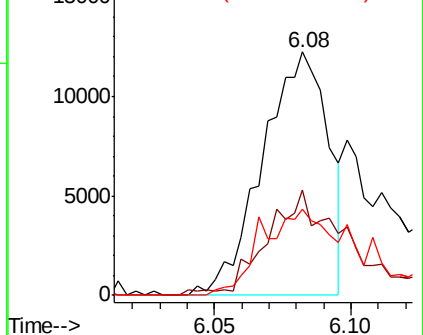
71 61.5 31.0 46.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.459 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

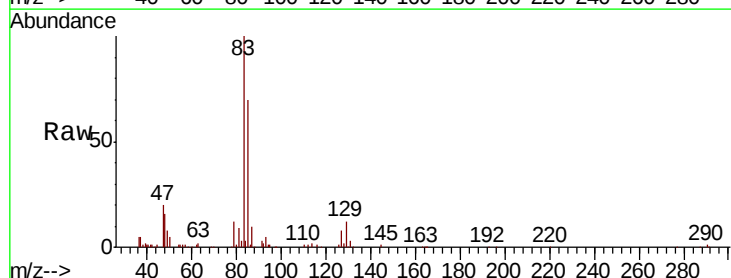
Tgt Ion: 83 Resp: 115130

Ion Ratio Lower Upper

83 100

85 69.5 51.7 77.5

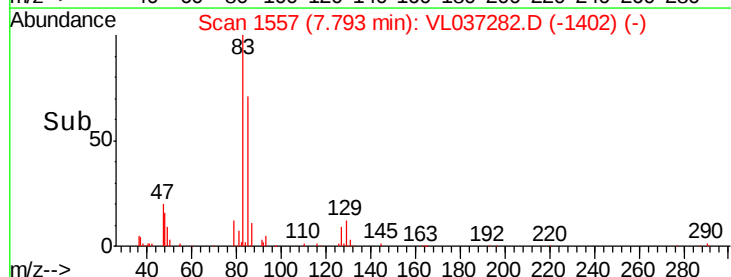
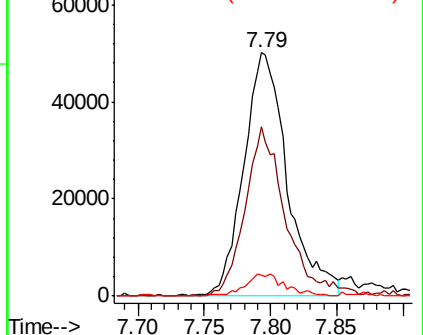
127 8.4 7.4 11.0

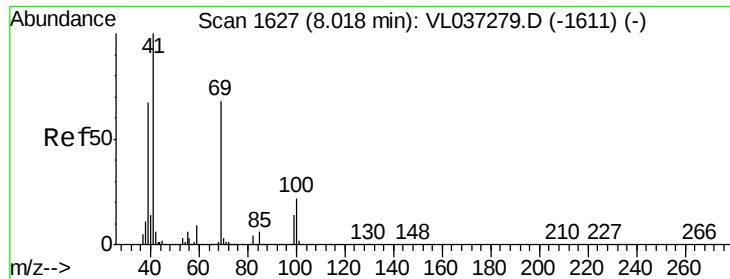


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

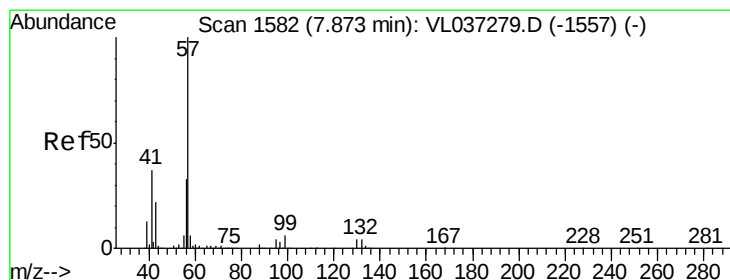
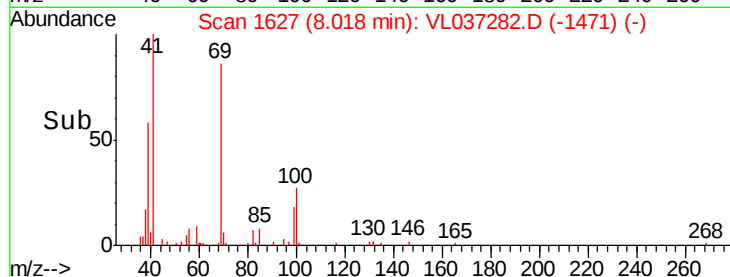
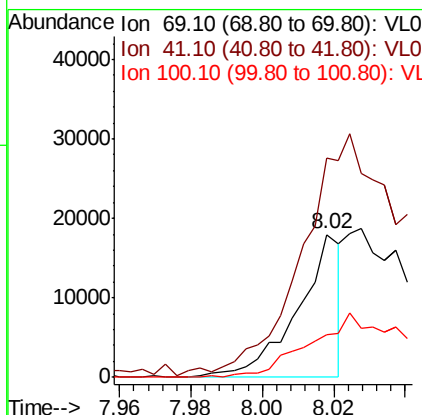
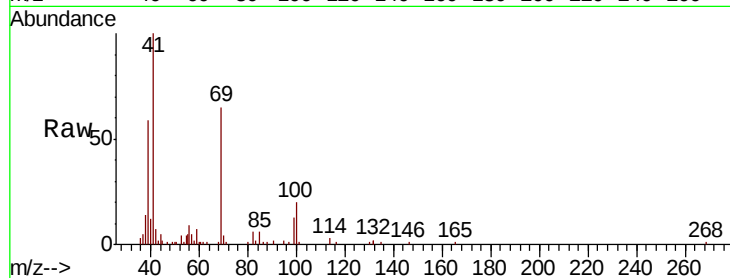




#43
Methyl Methacrylate
Concen: 0.141 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

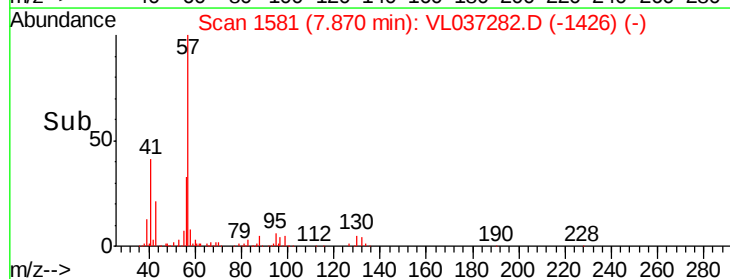
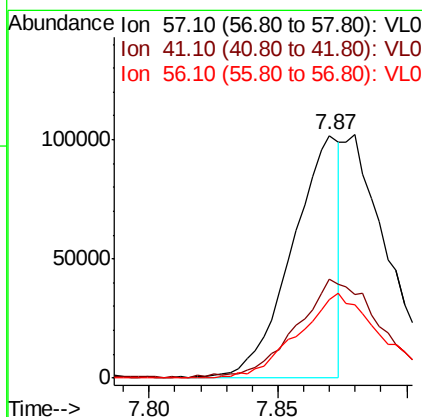
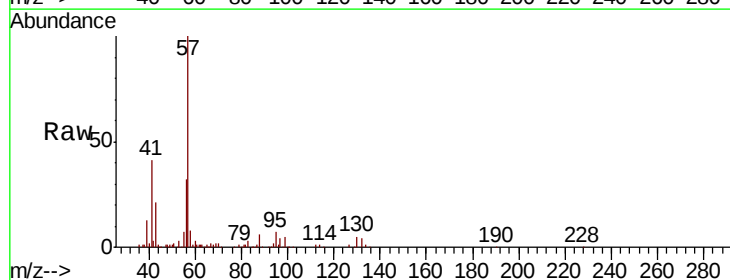
Instrument :
MSVOA_L
ClientSampled :

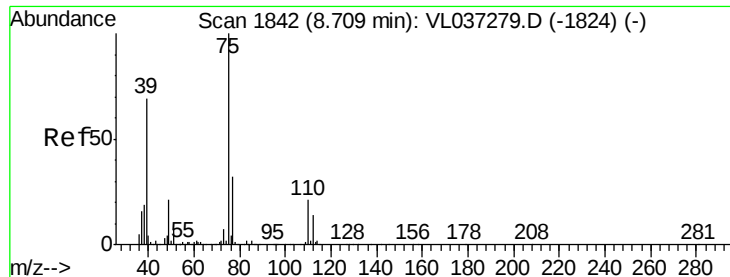
Tot Ion	69.10	Resp	15200
Ion Ratio	Lower	Upper	
69	100		
41	0.0	121.5	182.3#
100	0.0	27.4	41.2#



#44
2,2,4-Trimethylpentane
Concen: 0.247 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion	57	Resp	130062
Ion Ratio	Lower	Upper	
57	100		
41	75.1	28.9	43.3#
56	62.9	25.1	37.7#

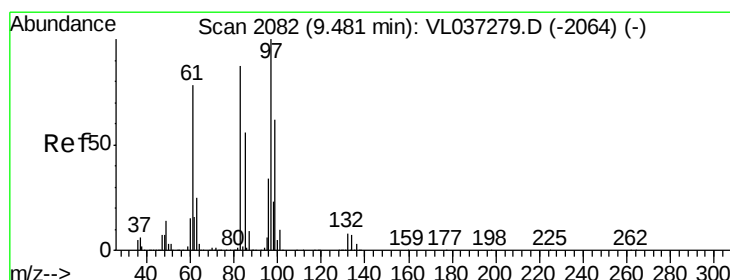
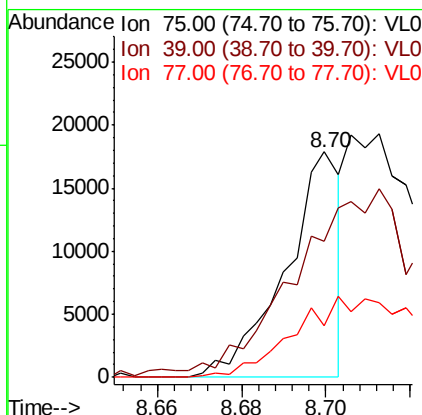
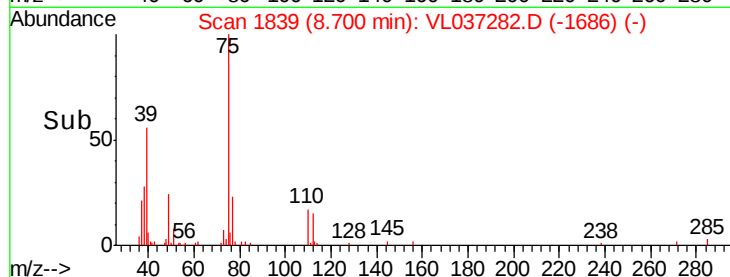
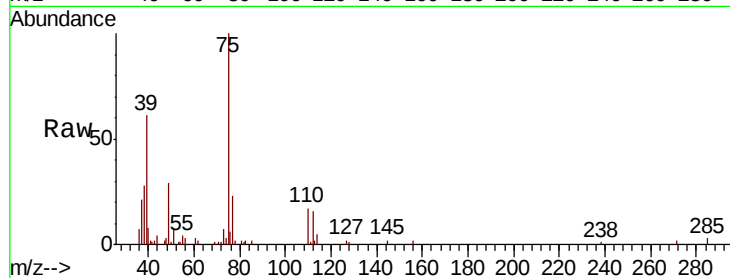




#46
 cis-1,3-Dichloropropene
 Concen: 0.127 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

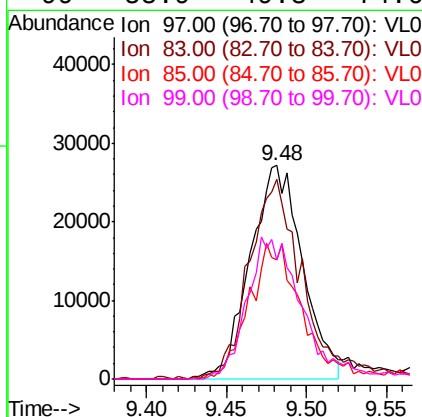
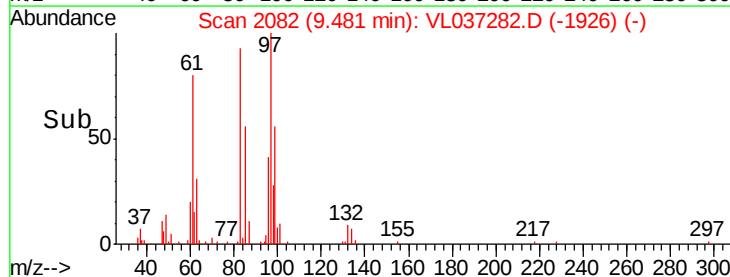
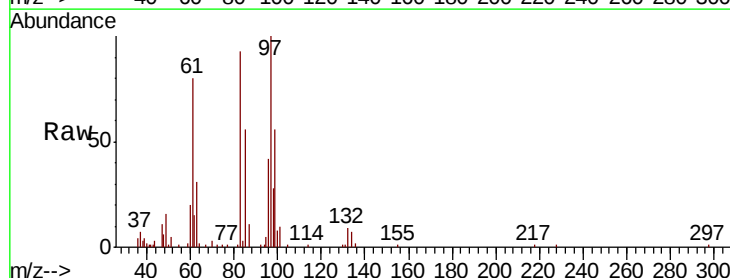
Instrument :
 MSVOA_L
 ClientSampleId :

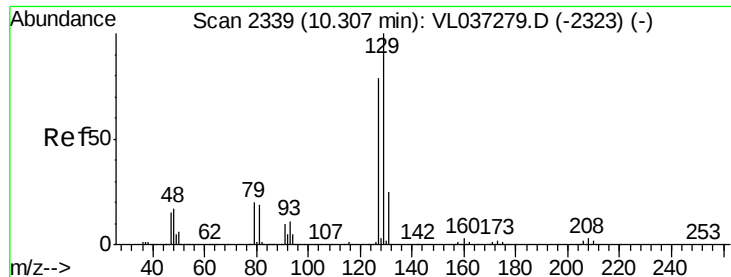
Tot Ion: 75 Resp: 16228
 Ion Ratio Lower Upper
 75 100
 39 57.5 55.3 82.9
 77 22.7 25.7 38.5#



#47
 1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.48 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion: 97 Resp: 61283
 Ion Ratio Lower Upper
 97 100
 83 93.3 69.8 104.8
 85 55.7 44.9 67.3
 99 55.9 49.8 74.6





#48

Dibromochloromethane

Concen: 0.376 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

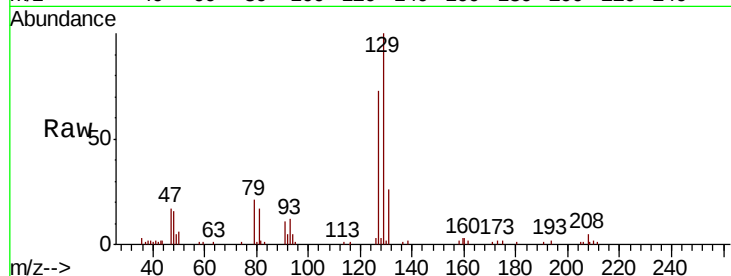
ClientSampleId :

Tot Ion:129 Resp: 79353

Ion Ratio Lower Upper

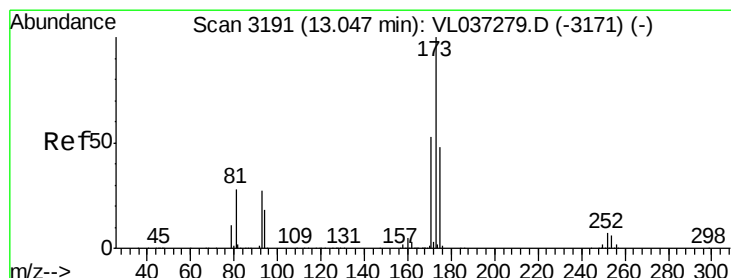
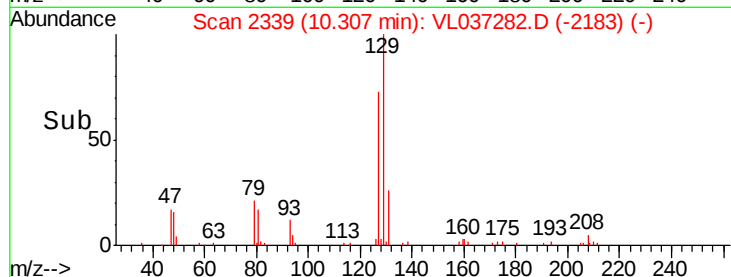
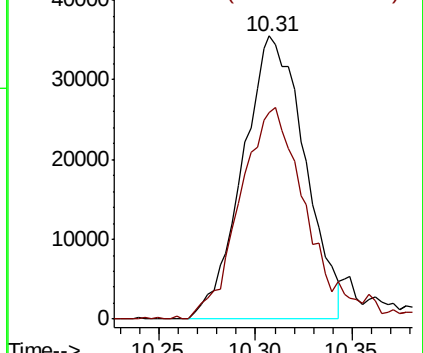
129 100

127 84.4 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.352 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

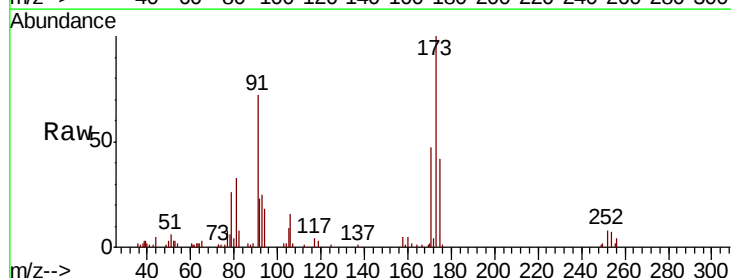
Tgt Ion:173 Resp: 55946

Ion Ratio Lower Upper

173 100

175 50.9 39.7 59.5

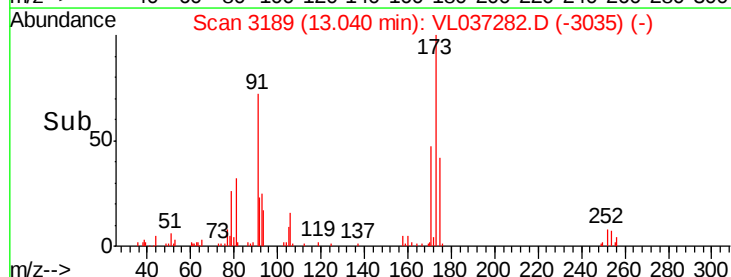
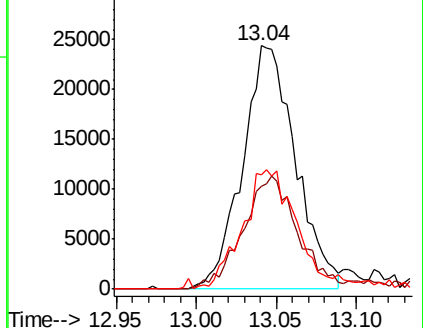
171 51.8 41.9 62.9

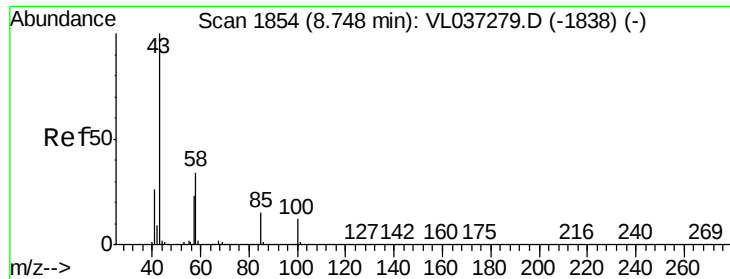


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

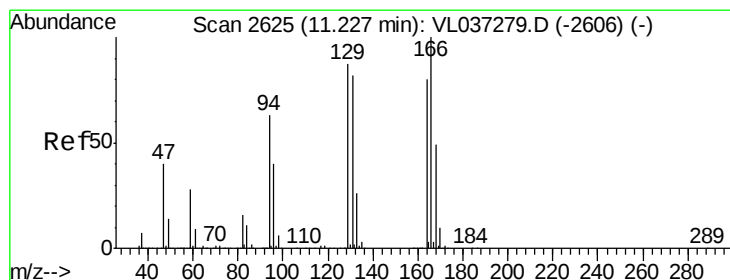
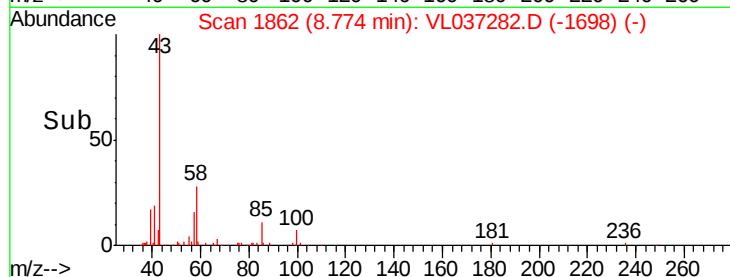
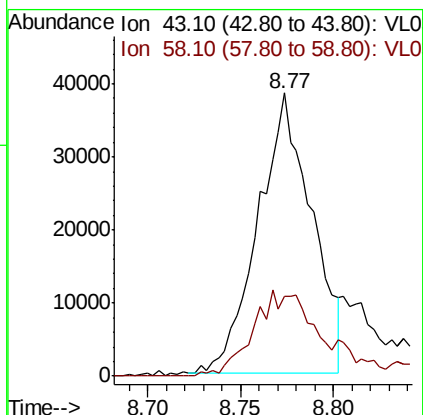
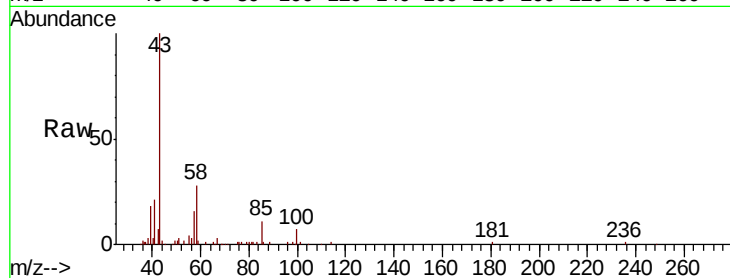




#50
4-Methyl-2-Pentanone
Concen: 0.370 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.03 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

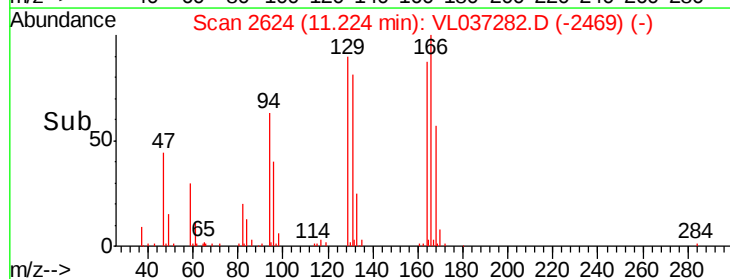
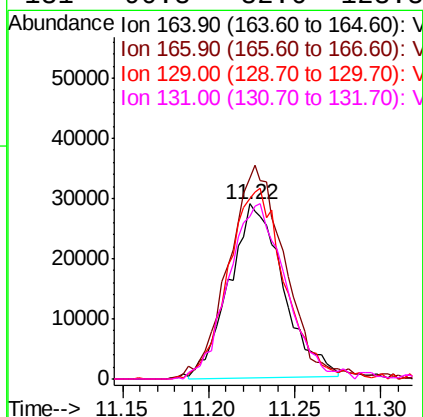
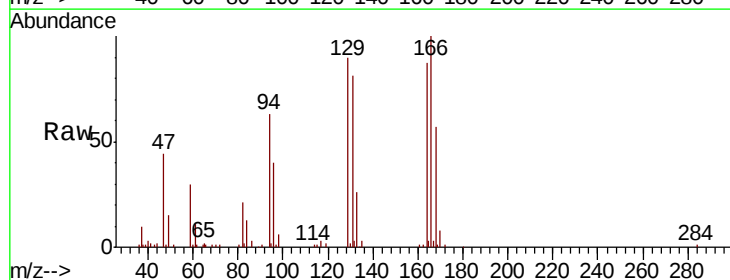
Instrument :
MSVOA_L
ClientSampleId :

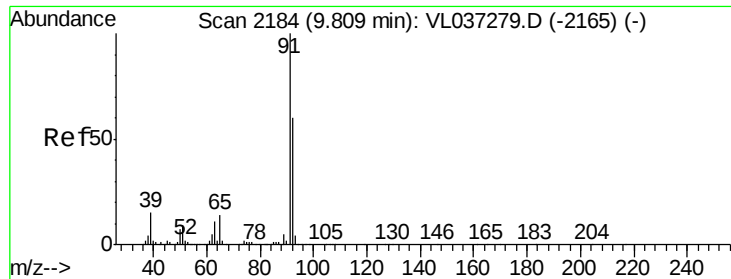
Tot Ion: 43 Resp: 77445
Ion Ratio Lower Upper
43 100
58 42.1 28.1 42.1



#52
Tetrachloroethene
Concen: 0.437 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 164 Resp: 63174
Ion Ratio Lower Upper
164 100
166 110.5 100.6 151.0
129 101.1 87.8 131.6
131 90.8 82.6 123.8





#53

Toluene

Concen: 0.427 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

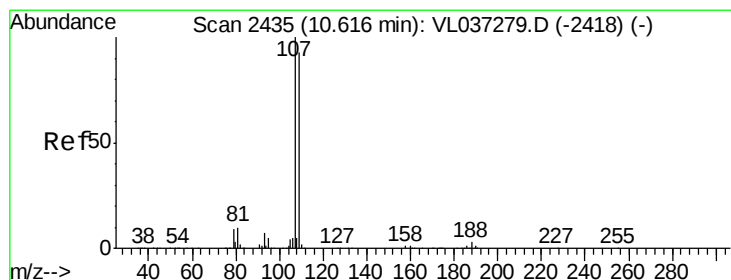
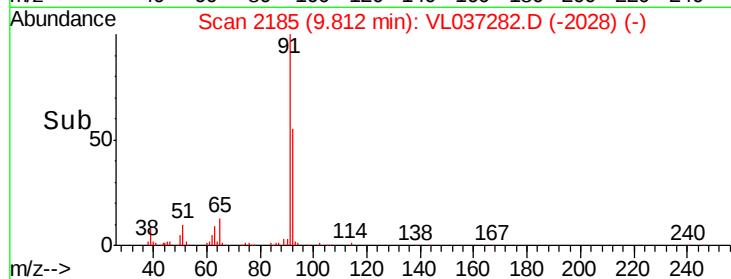
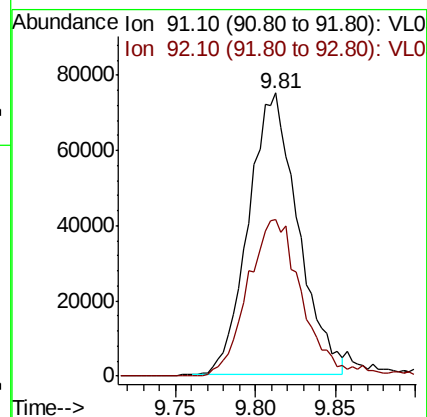
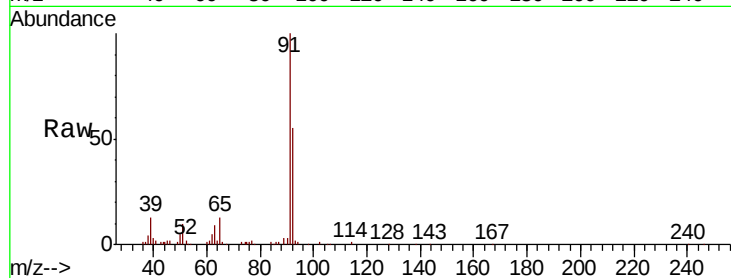
ClientSampleId :

Tot Ion: 91 Resp: 159548

Ion Ratio Lower Upper

91 100

92 61.8 48.1 72.1



#54

1,2-Dibromoethane

Concen: 0.470 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037282.D

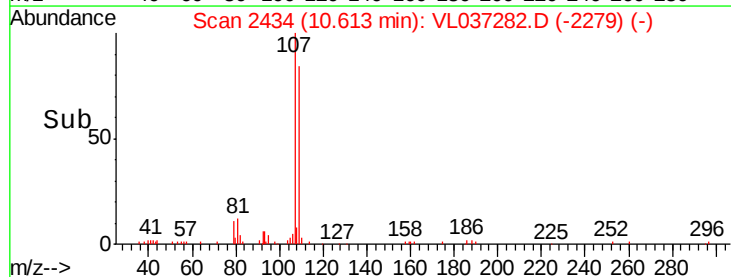
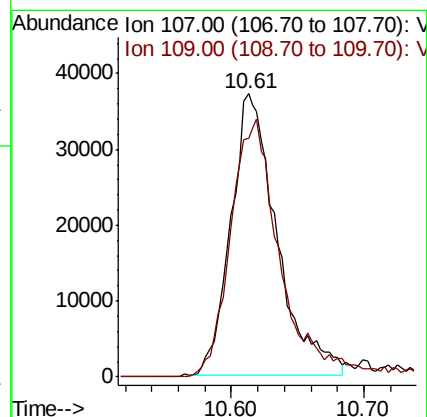
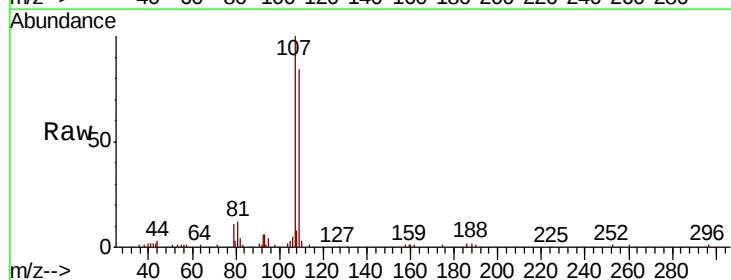
Acq: 27 Jul 2021 4:31

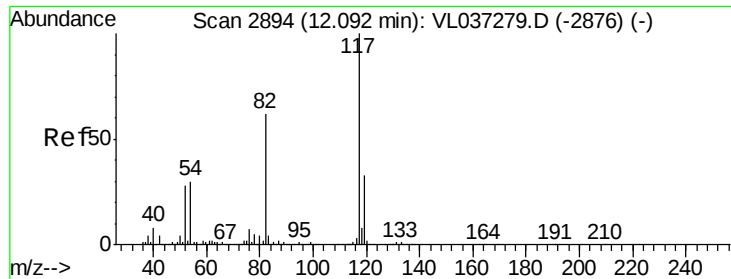
Tgt Ion: 107 Resp: 89804

Ion Ratio Lower Upper

107 100

109 83.9 74.2 111.4

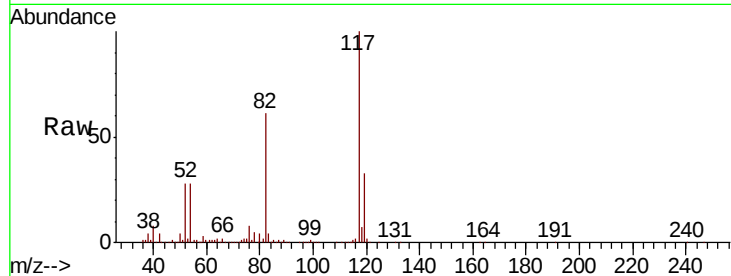




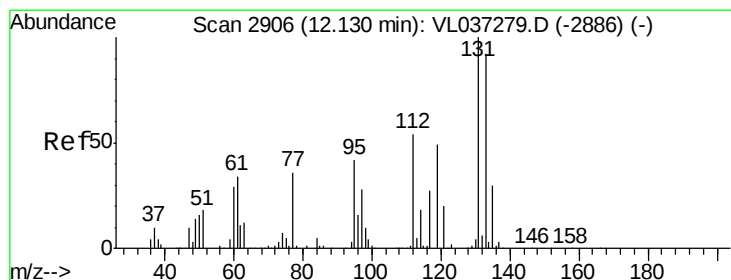
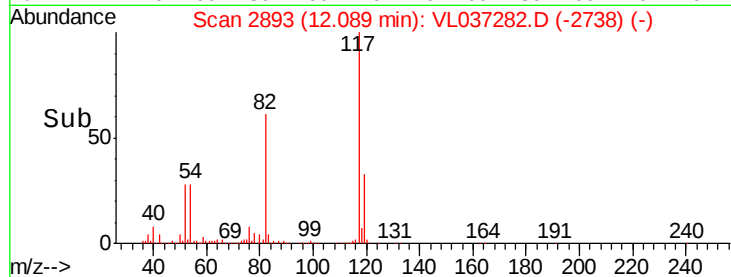
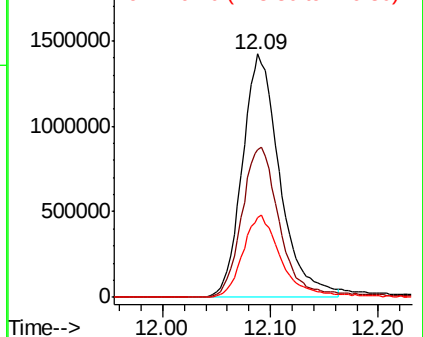
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3430177
Ion Ratio Lower Upper
117 100
82 64.2 52.3 78.5
119 35.6 26.5 39.7

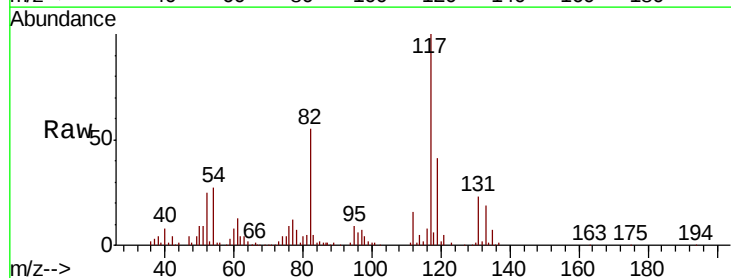


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

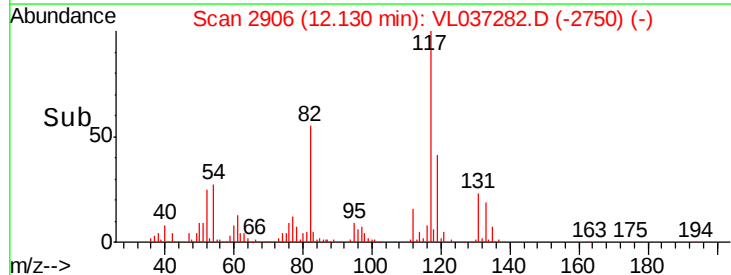
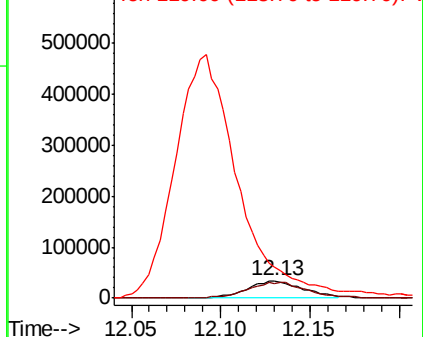


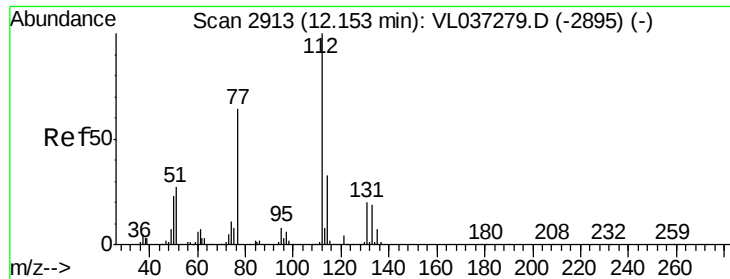
#56
1,1,1,2-Tetrachloroethane
Concen: 0.488 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion:131 Resp: 74329
Ion Ratio Lower Upper
131 100
133 98.2 76.4 114.6
119 1631.7 106.1 159.1#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

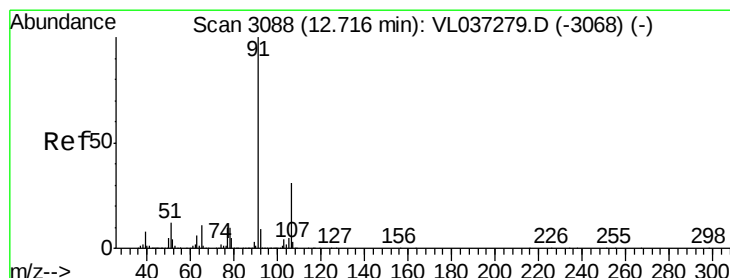
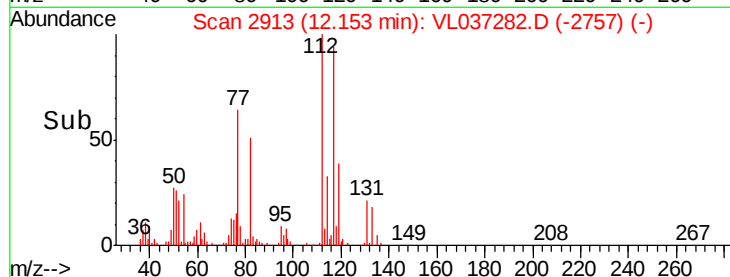
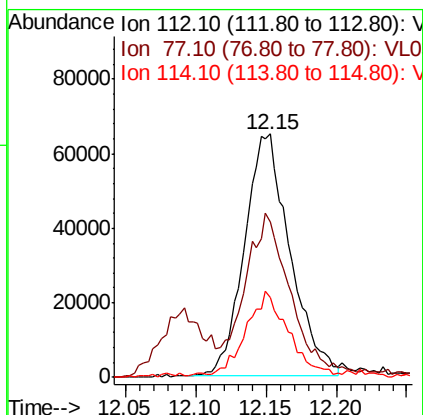
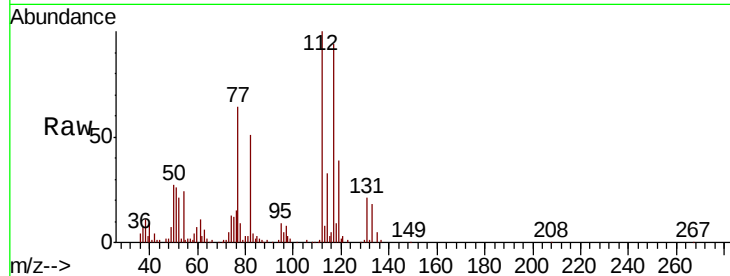




#57
Chlorobenzene
Concen: 0.525 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

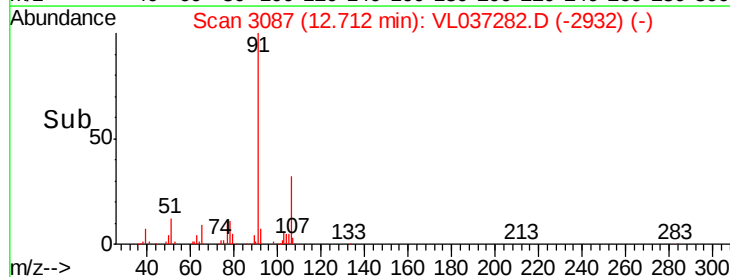
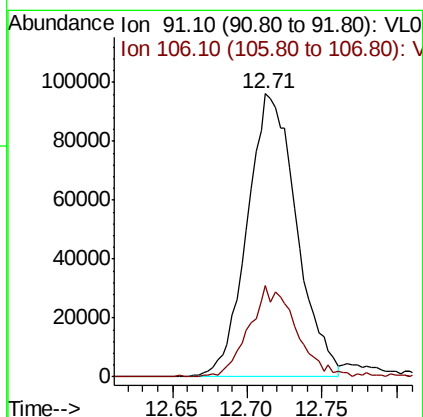
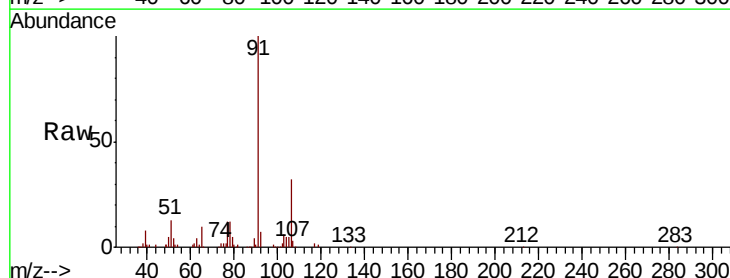
Instrument :
MSVOA_L
ClientSampleId :

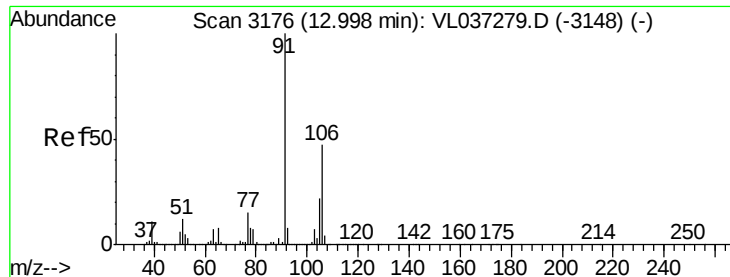
Tot Ion: 112 Resp: 147523
Ion Ratio Lower Upper
112 100
77 60.2 51.7 77.5
114 32.0 29.3 35.9



#58
Ethyl Benzene
Concen: 0.463 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 91 Resp: 220444
Ion Ratio Lower Upper
91 100
106 32.4 24.5 36.7

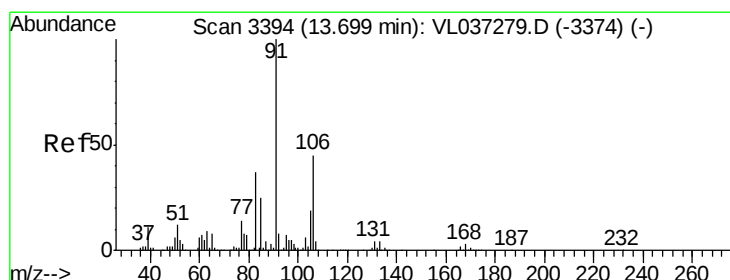
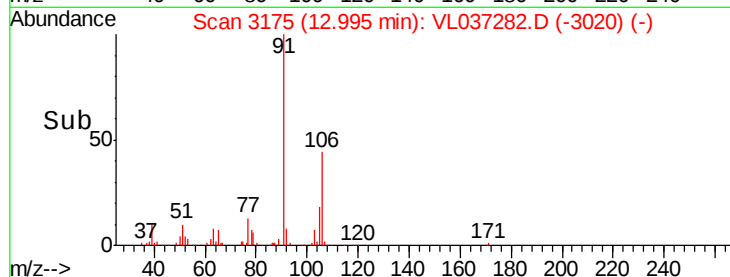
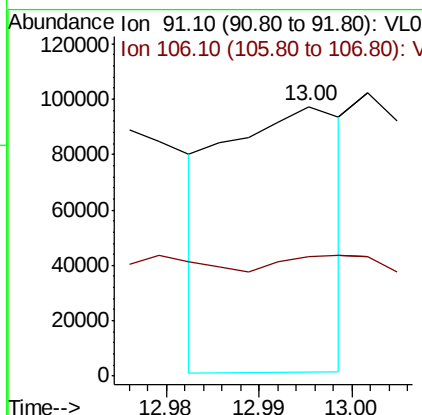
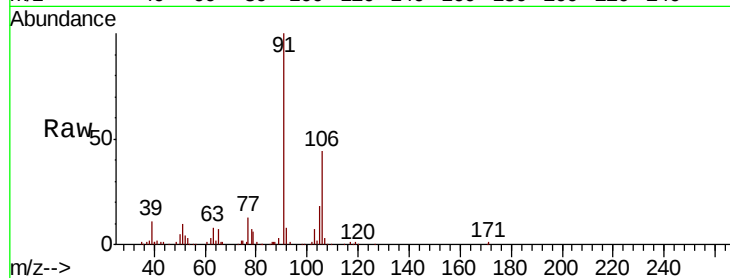




#59
m/p-Xylene
Concen: 0.212 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

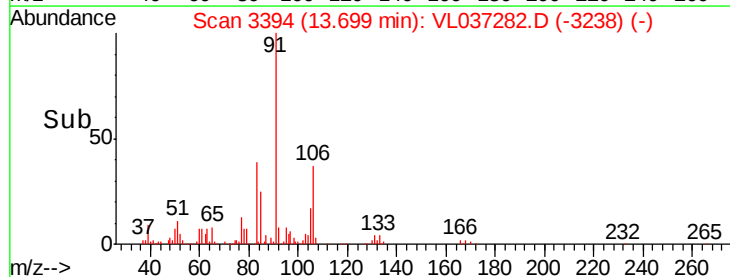
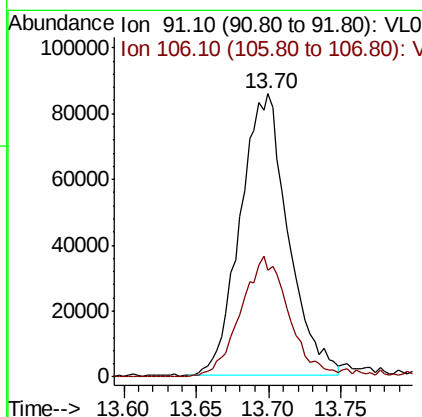
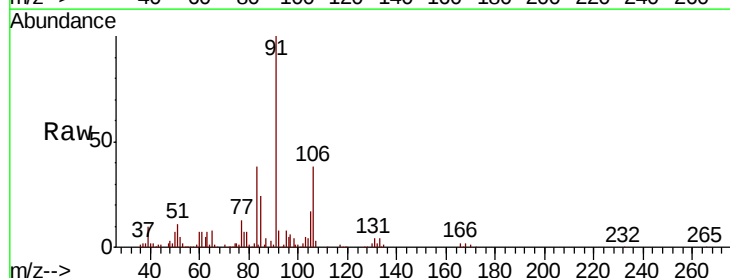
Instrument :
MSVOA_L
ClientSampleId :

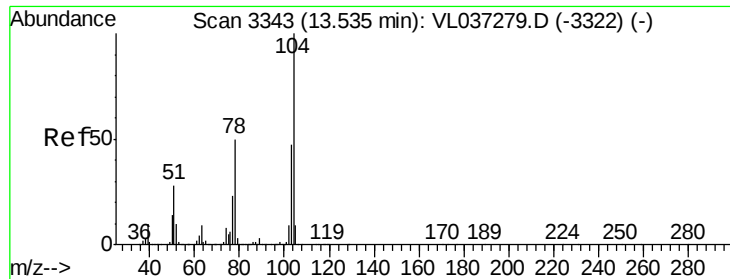
Tot Ion: 91 Resp: 85987
Ion Ratio Lower Upper
91 100
106 204.5 36.2 54.2#



#60
o-Xylene
Concen: 0.506 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 91 Resp: 195814
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.8





#61

Stvrene

Concen: 0.378 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

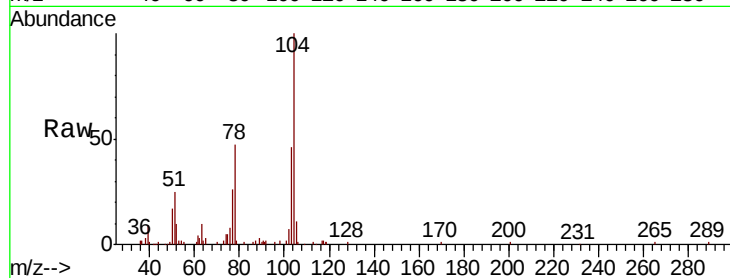
Tot Ion:104 Resp: 74763

Ion Ratio Lower Upper

104 100

78 54.4 41.8 62.6

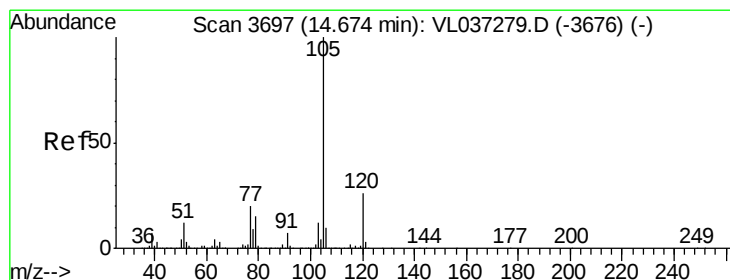
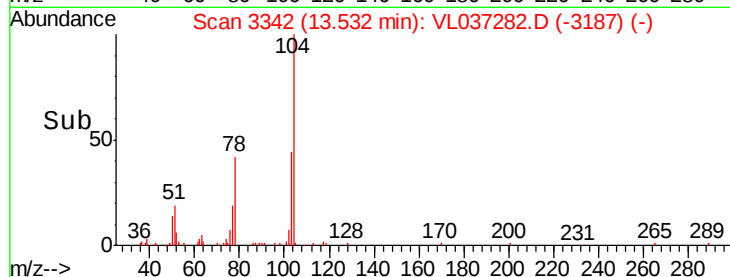
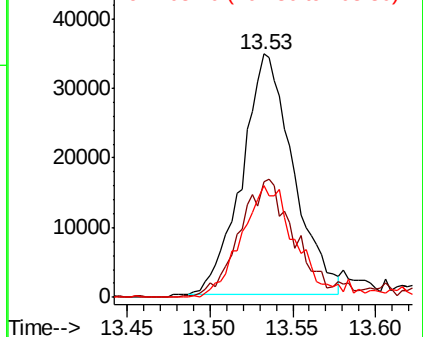
103 51.5 38.6 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.503 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL037282.D

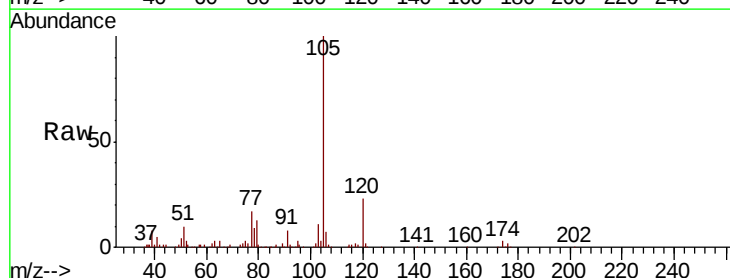
Acq: 27 Jul 2021 4:31

Tgt Ion:105 Resp: 276921

Ion Ratio Lower Upper

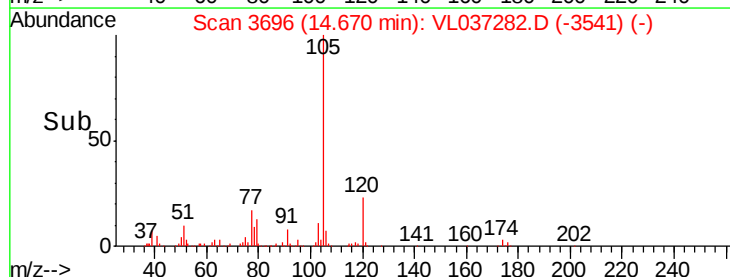
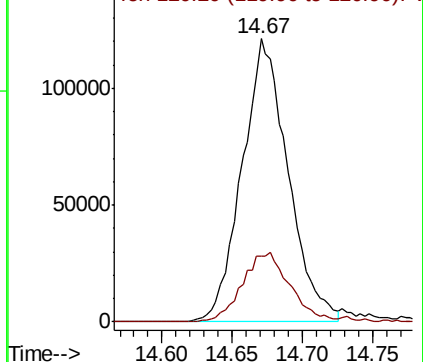
105 100

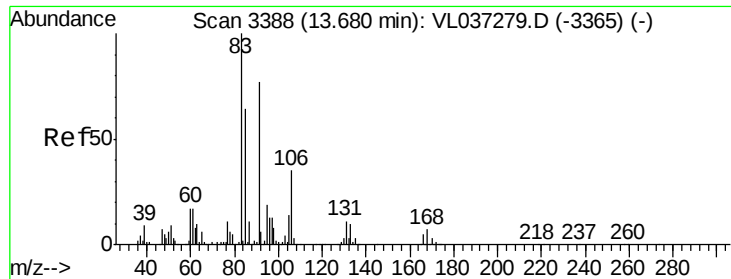
120 26.4 21.3 31.9



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: 0.282 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

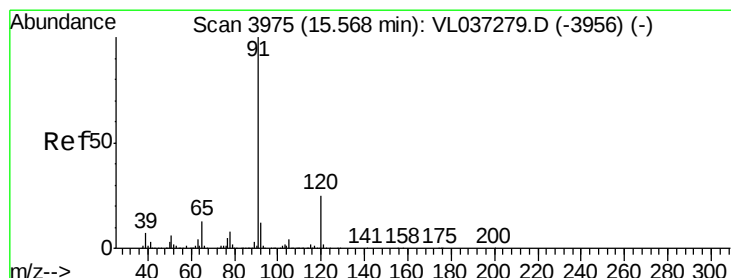
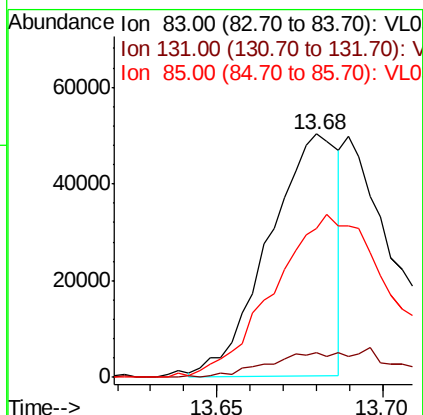
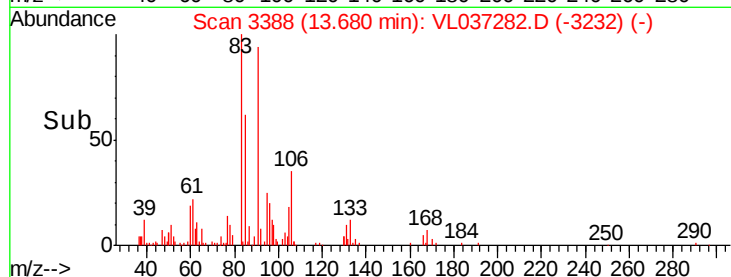
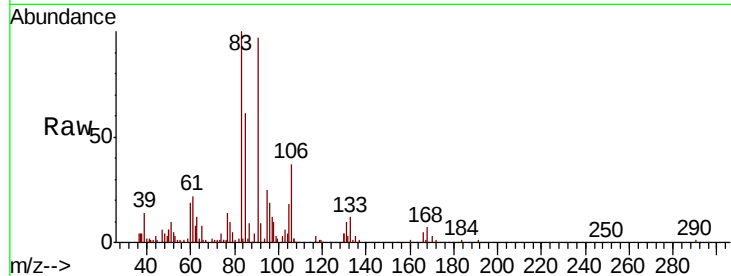
Tot Ion: 83 Resp: 72867

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 124.4 33.4 100.2#



#64

n-propylbenzene

Concen: 0.448 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VL037282.D

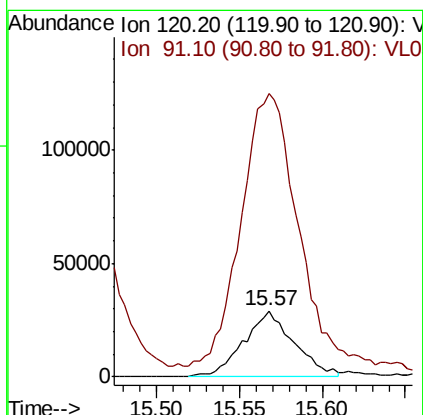
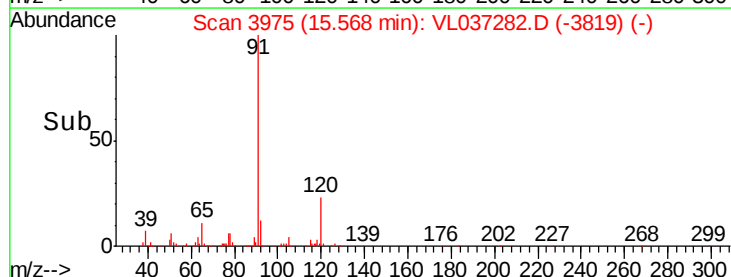
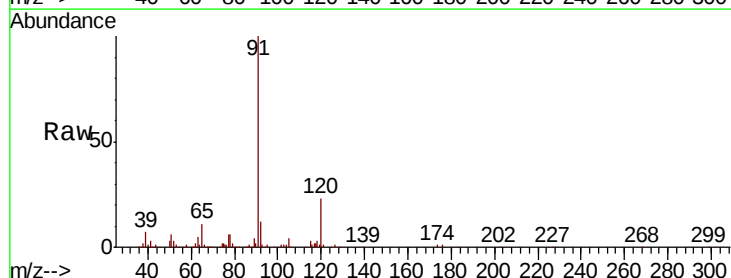
Acq: 27 Jul 2021 4:31

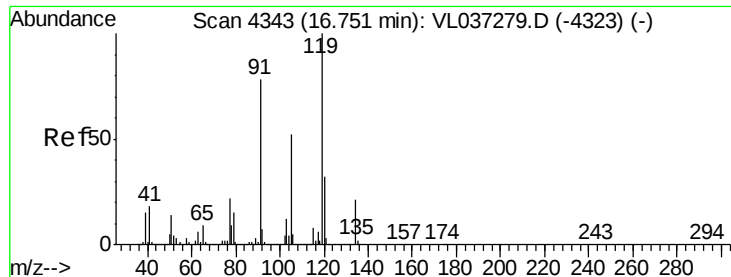
Tgt Ion:120 Resp: 61512

Ion Ratio Lower Upper

120 100

91 536.2 353.8 530.8#





#65

tert-Butylbenzene

Concen: 0.501 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampled :

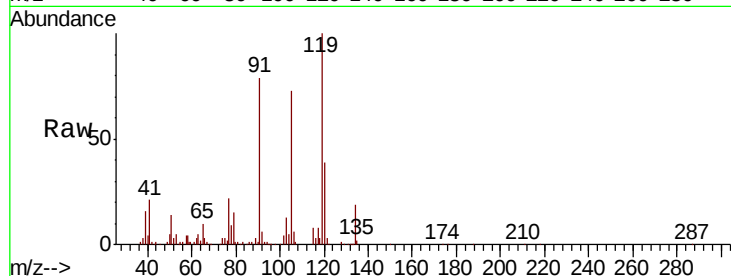
Tot Ion:119 Resp: 245736

Ion Ratio Lower Upper

119 100

91 87.1 63.4 95.0

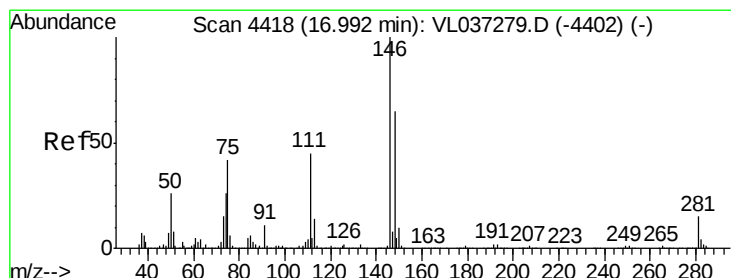
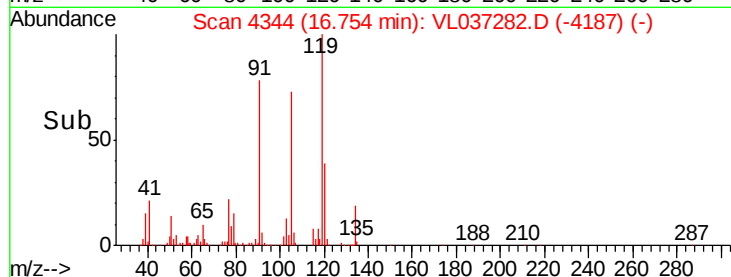
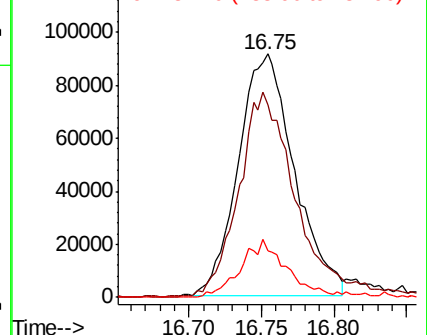
134 20.9 16.1 24.1



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: 0.162 ppbv

RT: 16.82 min Scan# 4363

Delta R.T. -0.18 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

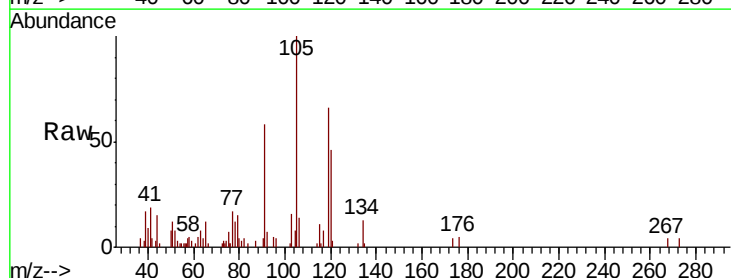
Tgt Ion: 91 Resp: 3382

Ion Ratio Lower Upper

91 100

126 0.0 13.4 20.2#

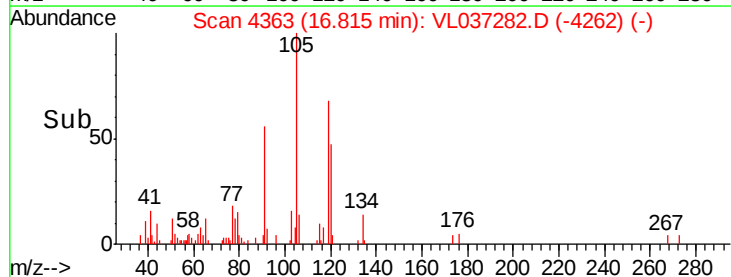
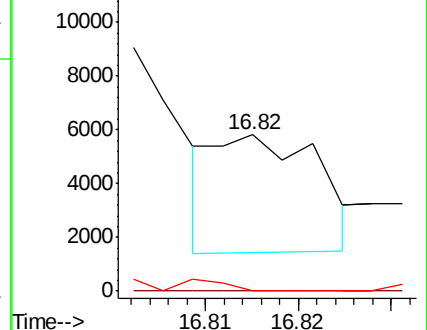
128 9.5 4.5 6.7#

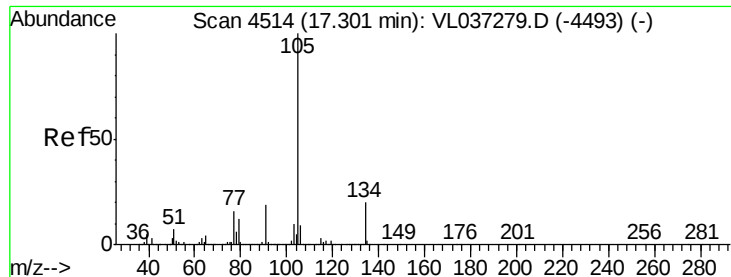


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.482 ppbv

RT: 17.30 min Scan# 4514

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

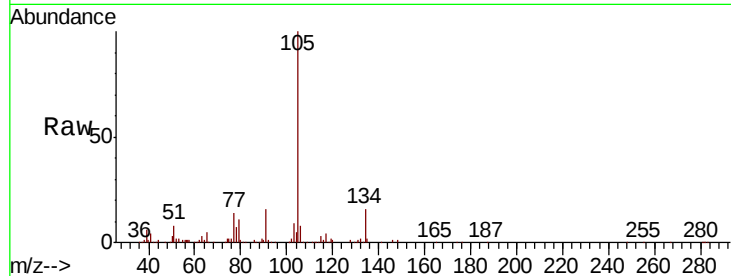
ClientSampleId :

Tot Ion: 105 Resp: 314850

Ion Ratio Lower Upper

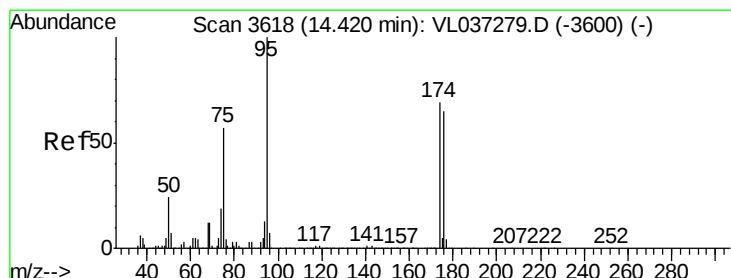
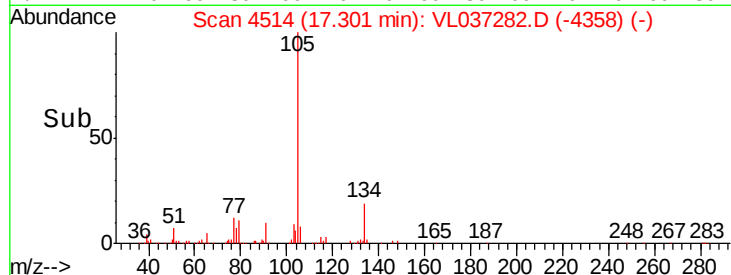
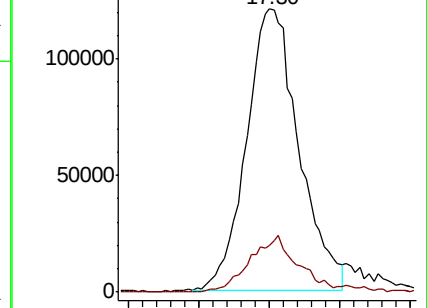
105 100

134 19.3 15.8 23.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.227 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

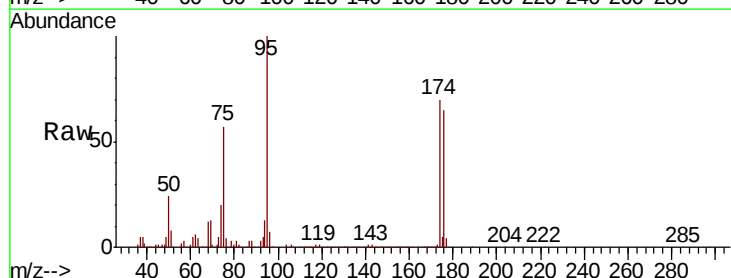
Tgt Ion: 95 Resp: 2656927

Ion Ratio Lower Upper

95 100

174 71.8 56.3 84.5

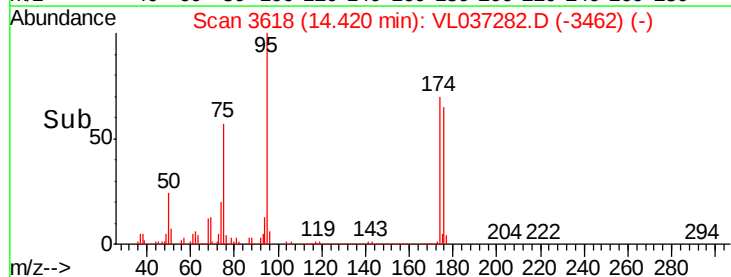
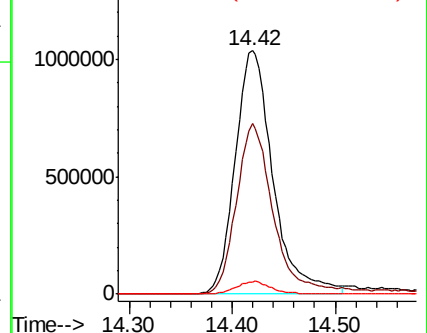
175 5.1 4.3 6.5

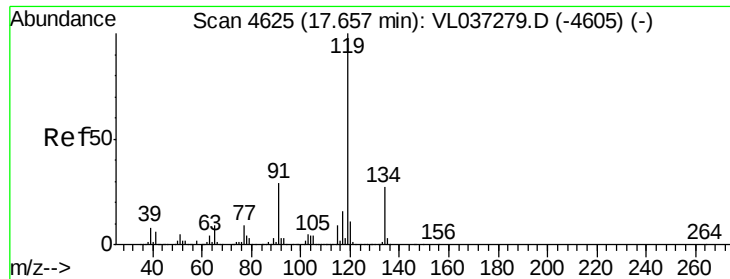


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.477 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

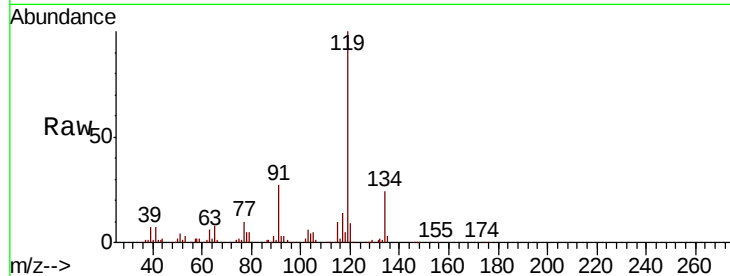
Tot Ion:119 Resp: 263039

Ion Ratio Lower Upper

119 100

134 26.3 20.6 31.0

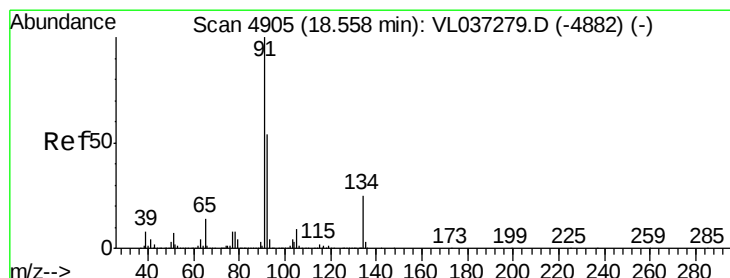
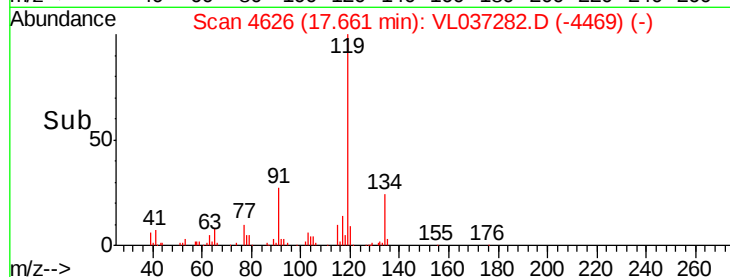
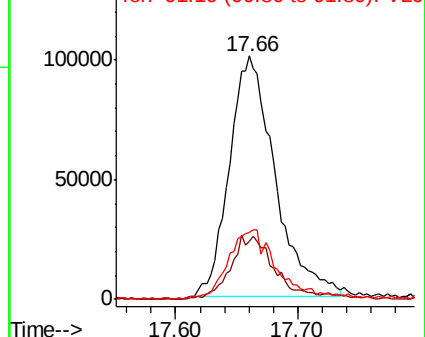
91 31.3 23.0 34.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.489 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

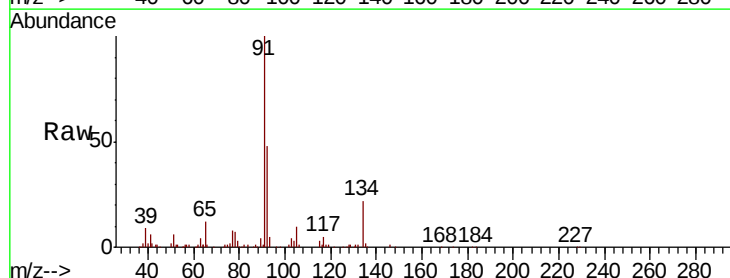
Tgt Ion: 91 Resp: 249576

Ion Ratio Lower Upper

91 100

92 53.4 43.4 65.2

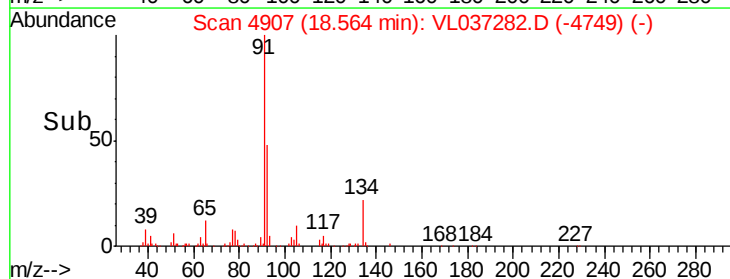
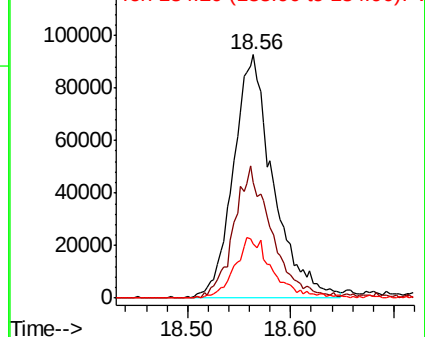
134 23.9 19.6 29.4

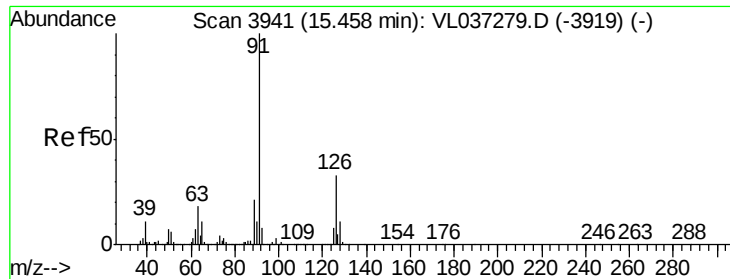


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

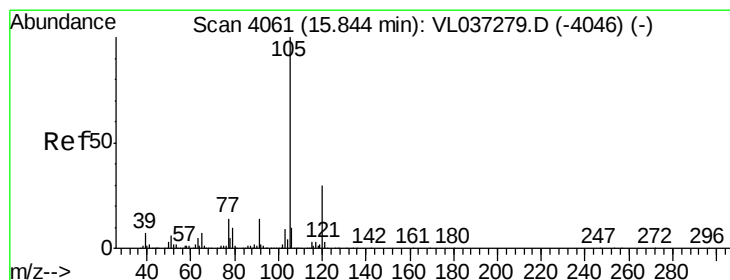
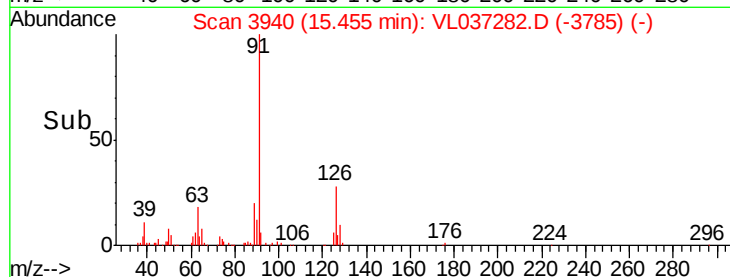
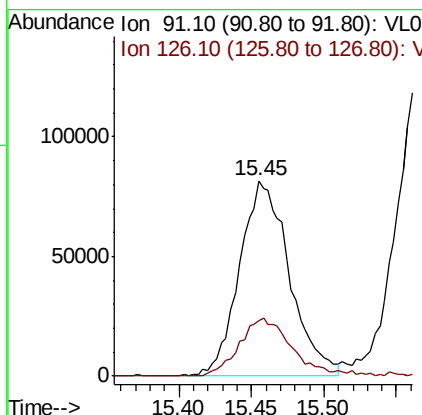
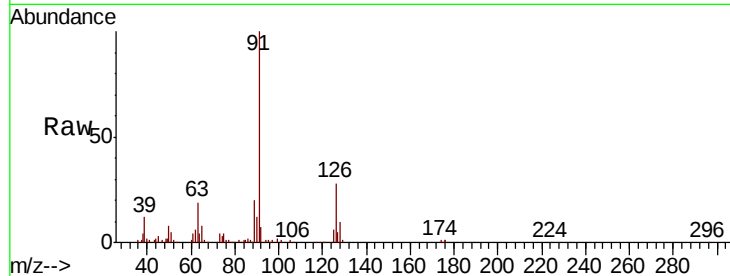




#71
2-Chlorotoluene
Concen: 0.502 ppbv
RT: 15.45 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

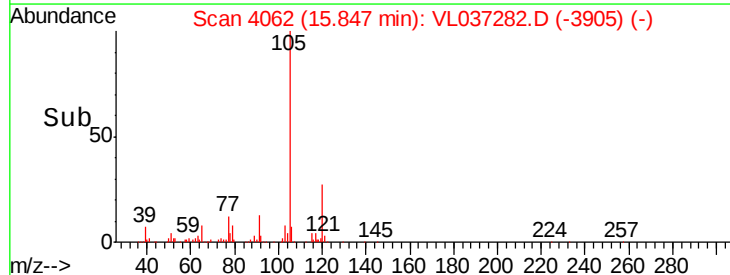
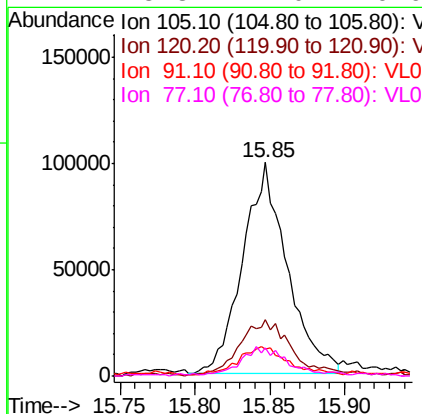
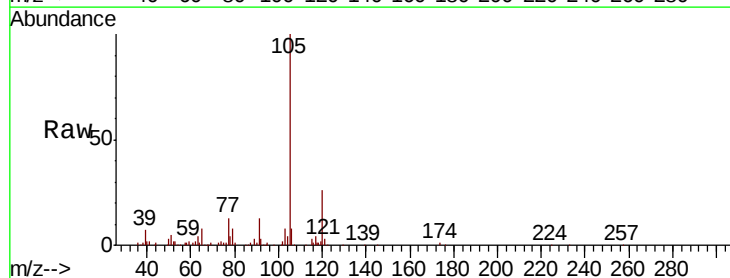
Instrument :
MSVOA_L
ClientSampled :

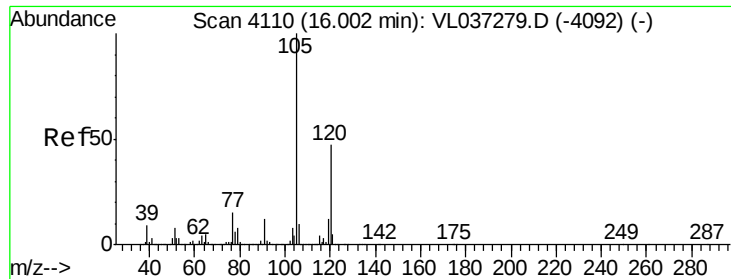
Tot Ion: 91 Resp: 193859
Ion Ratio Lower Upper
91 100
126 31.9 13.1 52.3



#72
4-Ethyltoluene
Concen: 0.467 ppbv
RT: 15.85 min Scan# 4062
Delta R.T. 0.00 min
Lab File: VL037282.D
Acq: 27 Jul 2021 4:31

Tgt Ion: 105 Resp: 205716
Ion Ratio Lower Upper
105 100
120 31.7 24.3 36.5
91 14.0 10.5 15.7
77 15.8 11.0 16.6

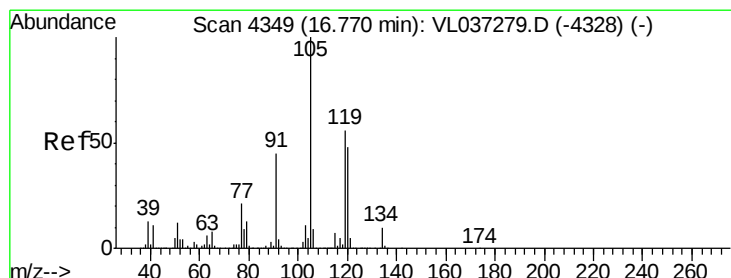
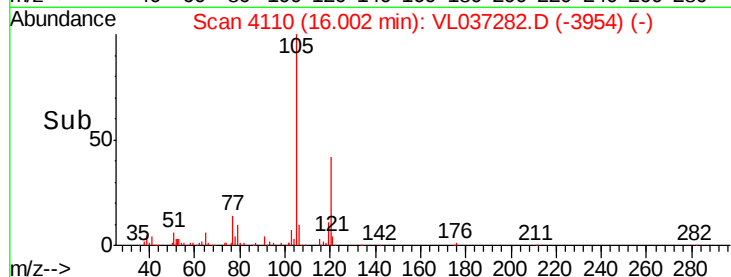
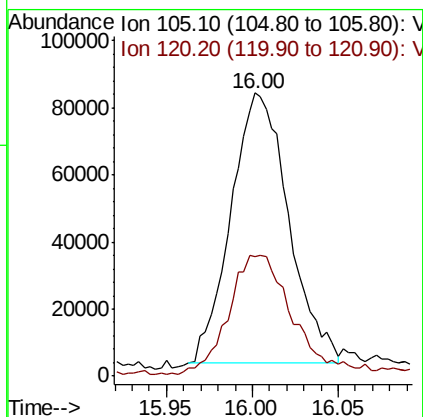
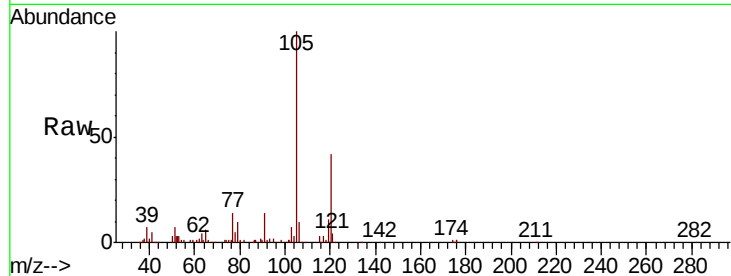




#73
 1,3,5-Trimethylbenzene
 Concen: 0.439 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

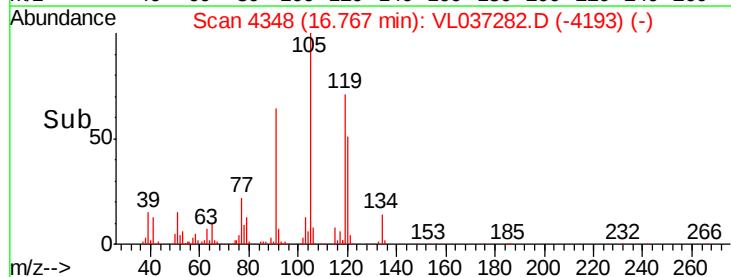
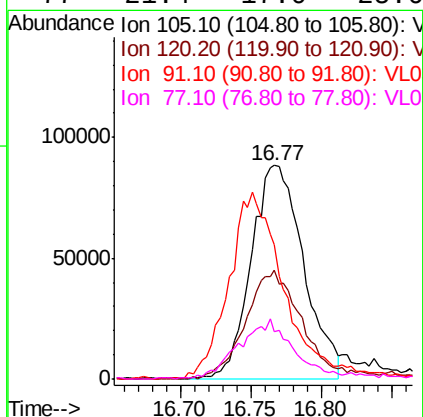
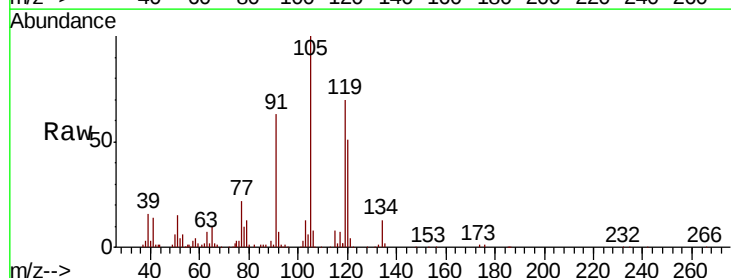
Instrument :
 MSVOA_L
 ClientSampleId :

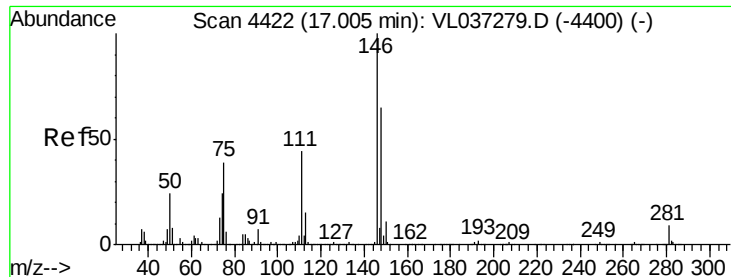
Tot Ion:105 Resp: 187165
 Ion Ratio Lower Upper
 105 100
 120 41.6 37.7 56.5



#74
 1,2,4-Trimethylbenzene
 Concen: 0.523 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.00 min
 Lab File: VL037282.D
 Acq: 27 Jul 2021 4:31

Tgt Ion:105 Resp: 229604
 Ion Ratio Lower Upper
 105 100
 120 50.9 38.2 57.4
 91 60.2 36.2 54.2#
 77 21.4 17.0 25.6





#75

1,3-Dichlorobenzene

Concen: 0.497 ppbv

RT: 17.00 min Scan# 4421

Delta R.T. -0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

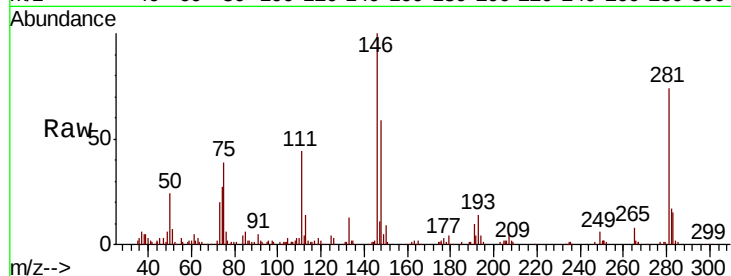
Tot Ion:146 Resp: 132437

Ion Ratio Lower Upper

146 100

111 48.4 22.6 67.8

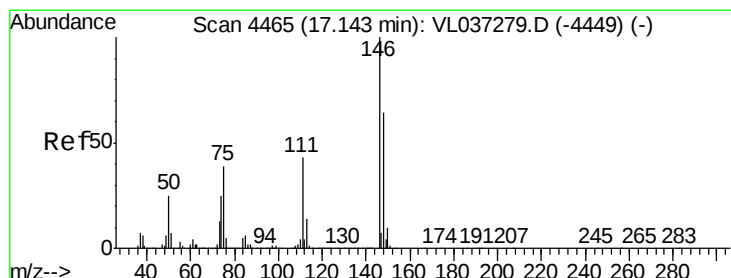
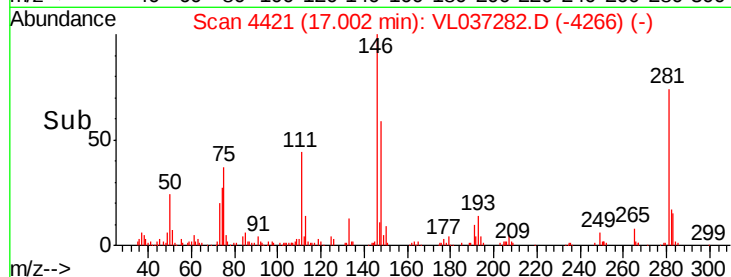
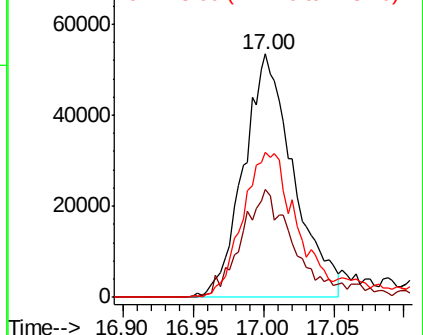
148 69.2 32.4 97.2



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: 0.203 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

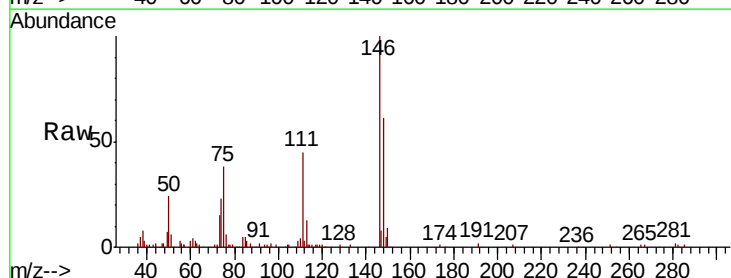
Tgt Ion:146 Resp: 54044

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.4#

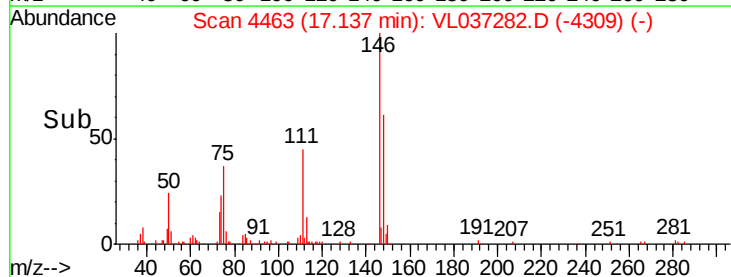
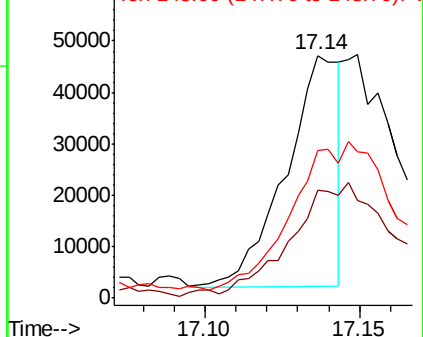
148 0.0 33.7 101.0#

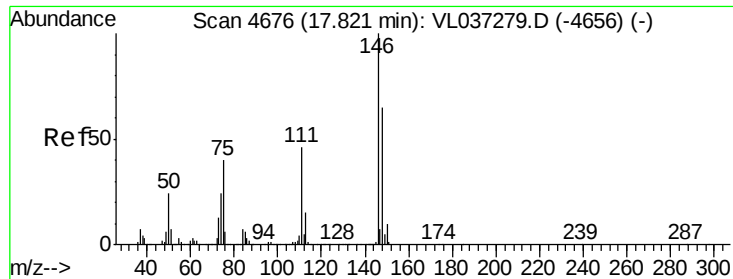


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.492 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

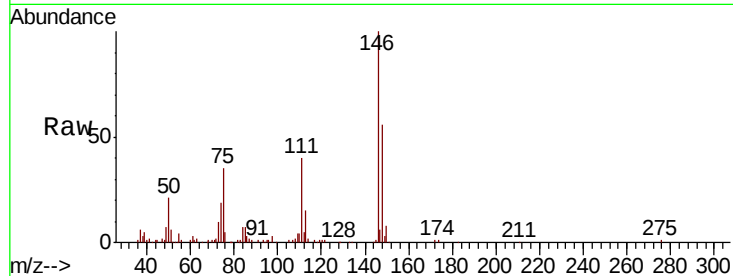
Tot Ion:146 Resp: 127169

Ion Ratio Lower Upper

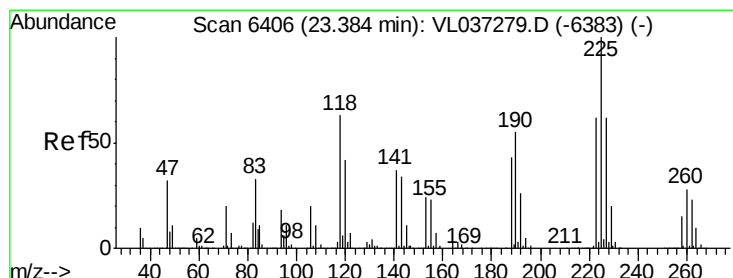
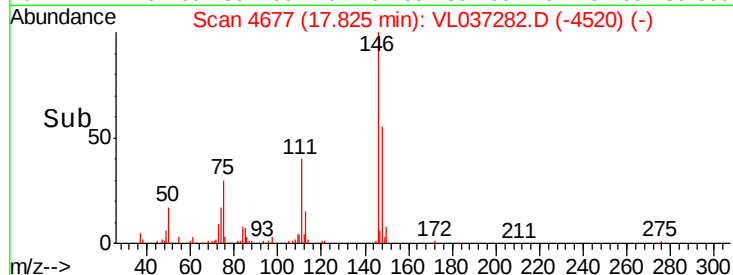
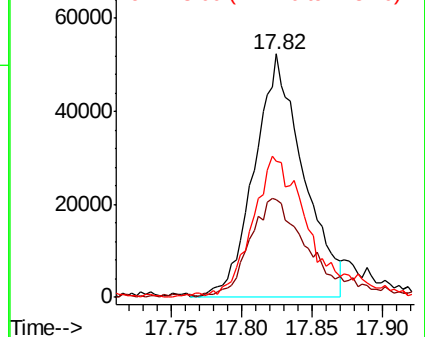
146 100

111 52.4 23.4 70.3

148 68.1 32.3 96.9



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: 0.195 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

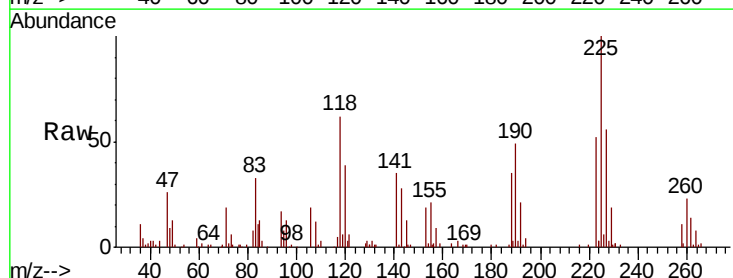
Tgt Ion:225 Resp: 41980

Ion Ratio Lower Upper

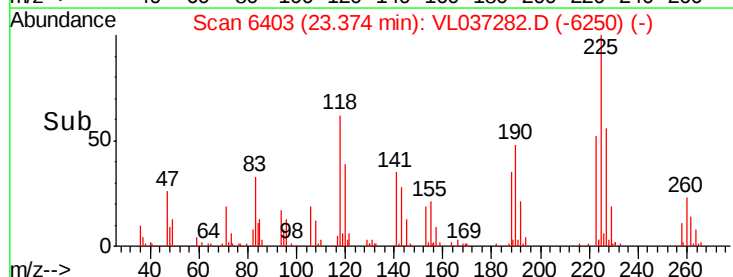
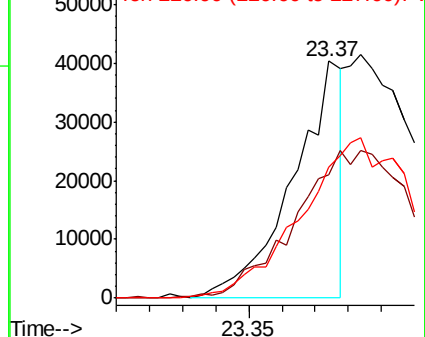
225 100

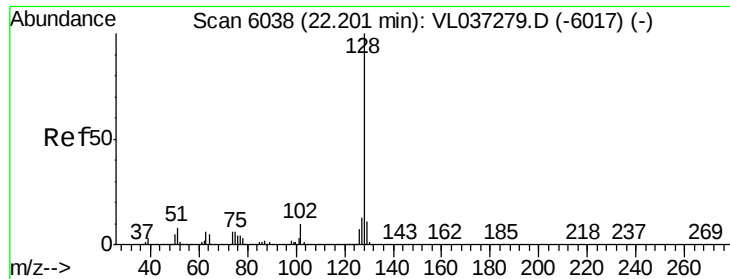
223 0.0 51.4 77.2#

227 0.0 50.8 76.2#



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: 0.211 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

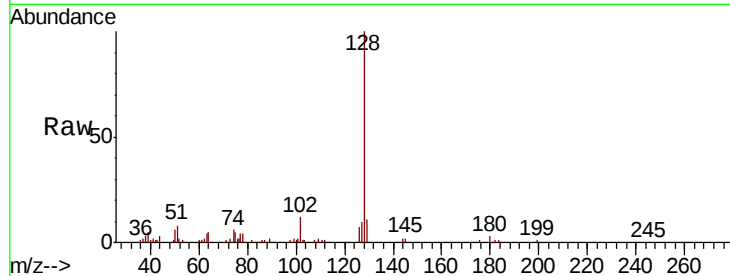
Tot Ion:128 Resp: 72389

Ion Ratio Lower Upper

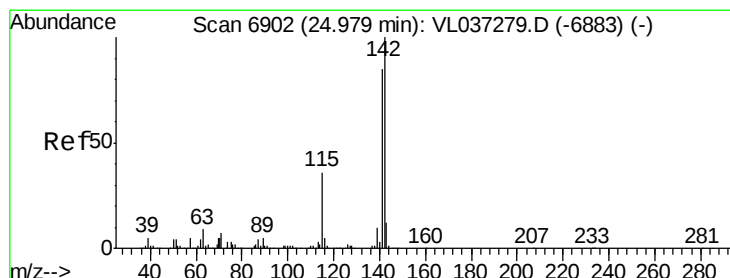
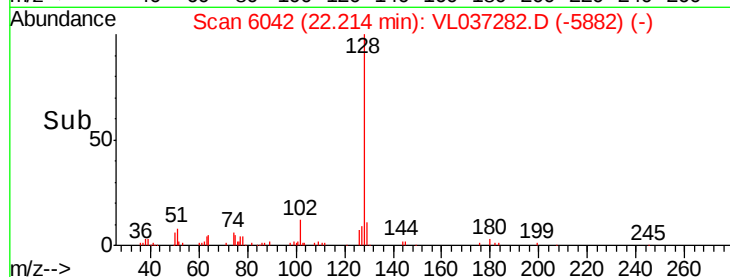
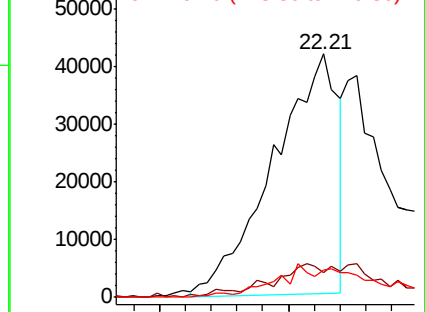
128 100

127 9.0 10.3 15.5#

129 11.3 9.0 13.4



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: 0.113 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. 0.02 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

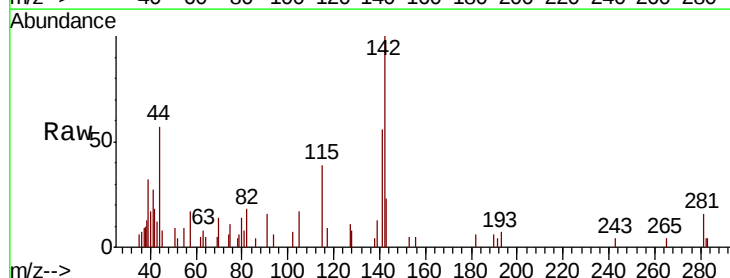
Tgt Ion:142 Resp: 9295

Ion Ratio Lower Upper

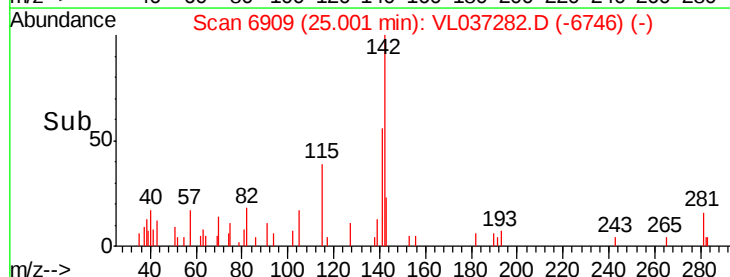
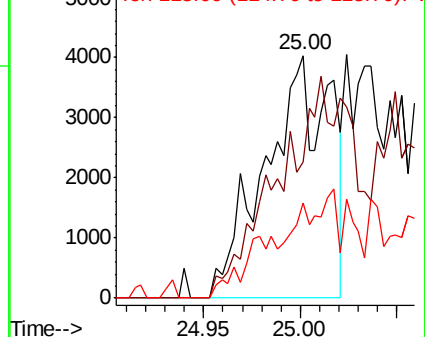
142 100

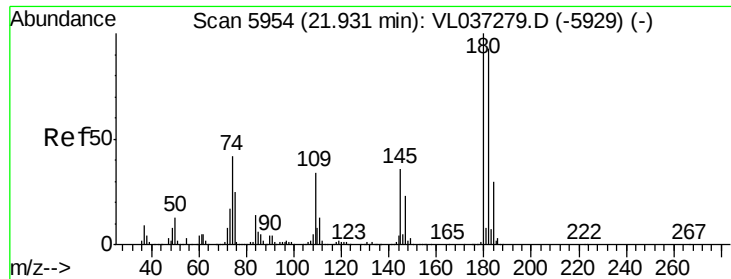
141 99.7 70.7 106.1

115 41.0 31.4 47.0



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: 0.180 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.00 min

Lab File: VL037282.D

Acq: 27 Jul 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 36315

Ion Ratio Lower Upper

180 100

182 0.0 79.3 118.9#

184 0.0 24.8 37.2#

