

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080421\
 Data File : VL037328.D
 Acq On : 5 Aug 2021 4:44
 Operator : SY/AP
 Sample : M3211-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 05 05:15:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1074299	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3460588	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2956746	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2007334	9.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds					Ovalue
3) Chlorodifluoromethane	2.96	51	175884	0.805	ppbv # 75
4) Chloromethane	3.13	50	46156	0.590	ppbv 100
9) Propene	3.02	41	551282	6.980	ppbv # 62
10) Heptane	8.11	43	104915	0.569	ppbv 97
11) Trichlorofluoromethane	3.94	101	2816158	14.034	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4998	0.034	ppbv # 36
13) Ethanol	3.60	45	4178298	351.231	ppbv 91
15) Acetone	3.84	43	12914879	110.671	ppbv 96
16) 1,3-Butadiene	3.30	39	15888	0.211	ppbv # 8
17) tert-Butyl alcohol	4.30	59	20449	0.174	ppbv # 72
19) Isopropyl Alcohol	3.97	45	828355	12.826	ppbv # 1
20) Methylene Chloride	4.34	84	180134	1.864	ppbv 93
21) Allyl Chloride	4.37	41	3067	0.032	ppbv # 1
23) Vinyl Acetate	5.06	43	153035	0.868	ppbv # 15
25) Ethyl Acetate	5.68	43	307803	1.014	ppbv # 91
26) Hexane	5.68	57	304771	1.795	ppbv # 61
27) Carbon Disulfide	4.54	76	14346	0.104	ppbv # 76
29) Chloroform	5.75	83	300401	1.397	ppbv 99
30) Cyclohexane	7.12	84	41721	0.319	ppbv 92
34) 2-Butanone	5.23	43	918776	7.651	ppbv 99
35) Carbon Tetrachloride	7.01	117	9286	0.045	ppbv # 75
36) Benzene	6.88	78	209791	0.674	ppbv 98
39) 1,2-Dichloropropane	7.17	63	744361	6.418	ppbv # 28
41) Tetrahydrofuran	6.05	42	8122	0.122	ppbv # 70
43) Methyl Methacrylate	8.00	69	9640	0.091	ppbv # 1
44) 2,2,4-Trimethylpentane	7.86	57	370019	0.719	ppbv 91
50) 4-Methyl-2-Pentanone	8.75	43	14314	0.078	ppbv # 1
51) 2-Hexanone	10.14	43	5215	0.062	ppbv # 1
52) Tetrachloroethene	11.21	164	7464	0.056	ppbv # 71
53) Toluene	9.80	91	4521792	12.299	ppbv 98
58) Ethyl Benzene	12.70	91	460231	1.060	ppbv 93
59) m/p-Xylene	12.98	91	384084	1.050	ppbv # 29
60) o-Xylene	13.68	91	394953	1.188	ppbv 97
61) Styrene	13.51	104	42279	0.232	ppbv # 43
62) Isopropylbenzene	14.66	105	26679	0.055	ppbv # 88
64) n-propylbenzene	15.55	120	9297	0.074	ppbv # 1
65) tert-Butylbenzene	16.74	119	61646	0.138	ppbv # 64
66) Benzyl Chloride	16.96	91	570	0.033	ppbv # 1
67) sec-Butylbenzene	17.28	105	20497	0.034	ppbv # 86
69) p-Isopropyltoluene	17.64	119	53064	0.105	ppbv 96
70) n-Butylbenzene	18.54	91	19127	0.041	ppbv # 32

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 QLast Update : Wed Aug 04 22:53:01 2021
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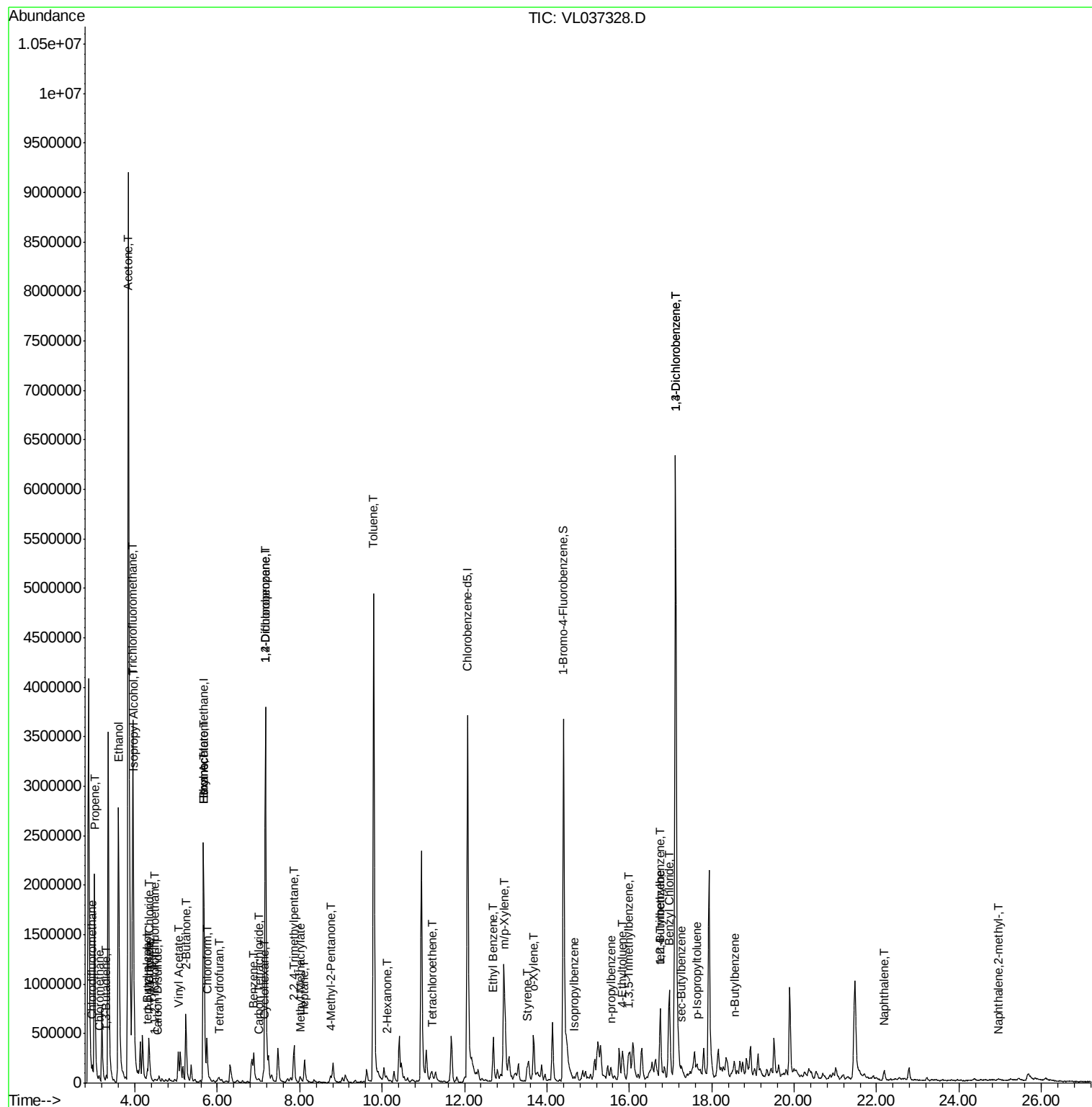
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.82	105	130794	0.326	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	167474	0.464	ppbv	87
74) 1,2,4-Trimethylbenzene	16.75	105	510369	1.325	ppbv #	76
75) 1,3-Dichlorobenzene	17.13	146	3894209	16.450	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	3894209	16.586	ppbv	98
79) Naphthalene	22.19	128	54974	0.156	ppbv	98
80) Naphthalene,2-methyl-	24.95	142	6937	0.121	ppbv	90

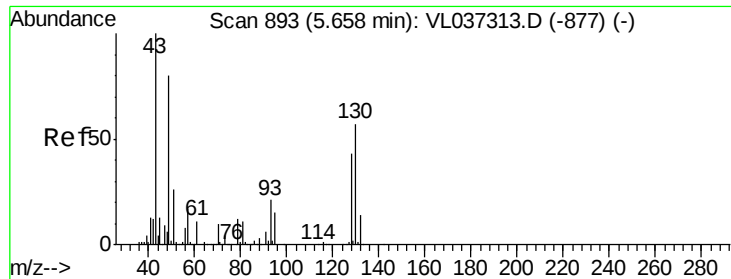
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

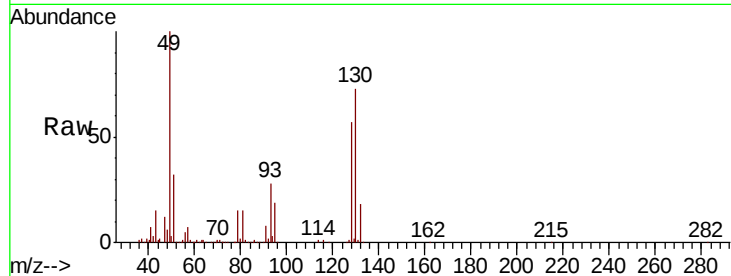
Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1074299

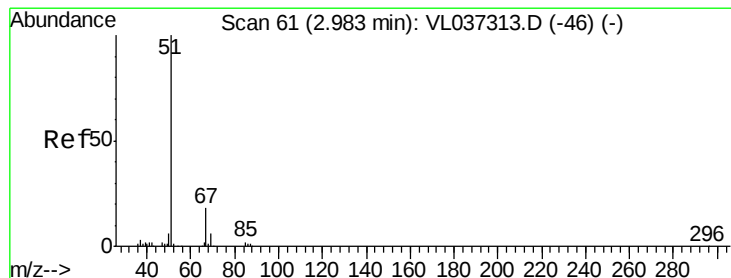
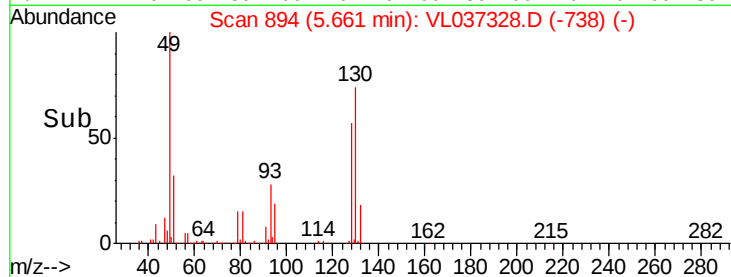
Ion	Ratio	Lower	Upper
49	100		
128	59.9	29.8	89.5
130	78.0	37.5	112.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.805 ppbv

RT: 2.96 min Scan# 55

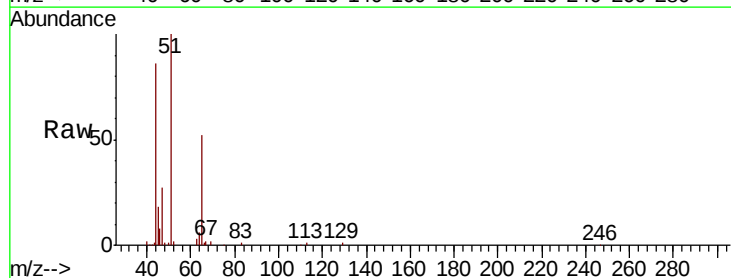
Delta R.T. -0.02 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

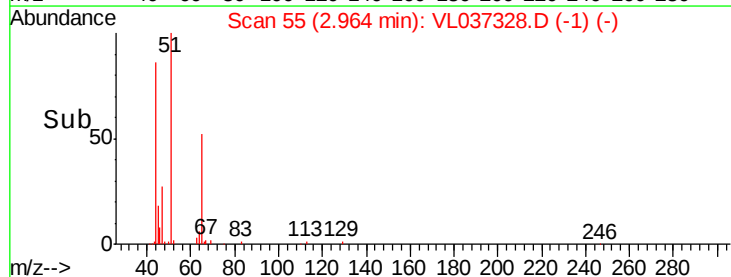
Tgt Ion: 51 Resp: 175884

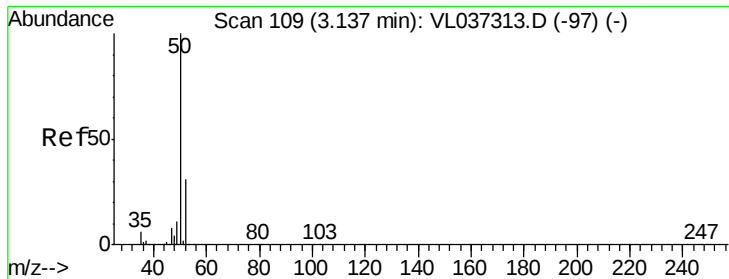
Ion	Ratio	Lower	Upper
51	100		
67	6.7	14.2	21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.590 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

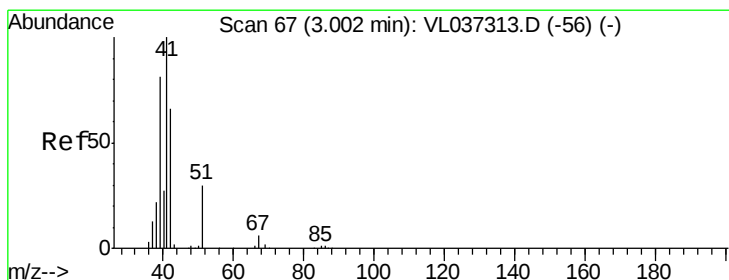
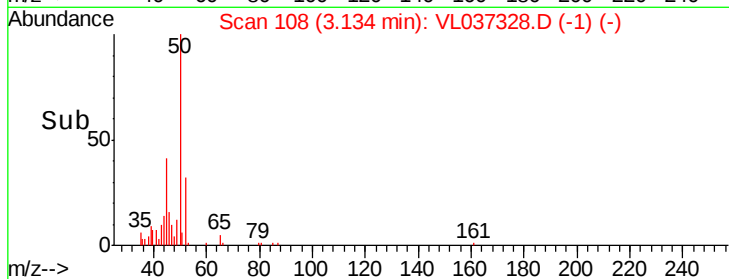
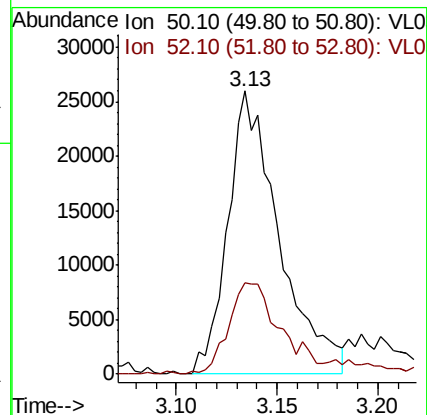
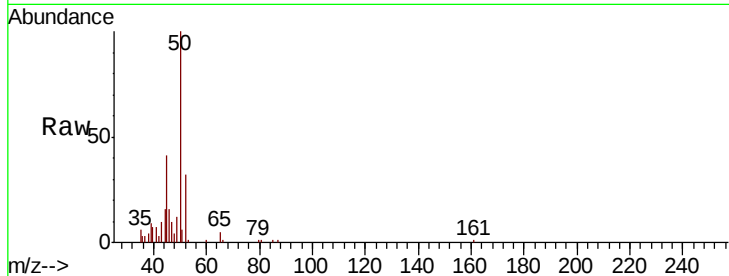
ClientSampled :

Tot Ion: 50 Resp: 46156

Ion Ratio Lower Upper

50 100

52 31.2 25.1 37.7



#9

Propene

Concen: 6.980 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037328.D

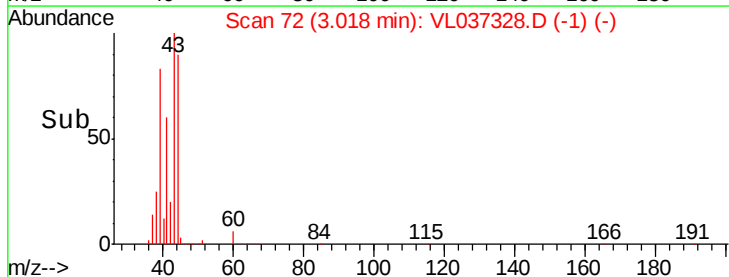
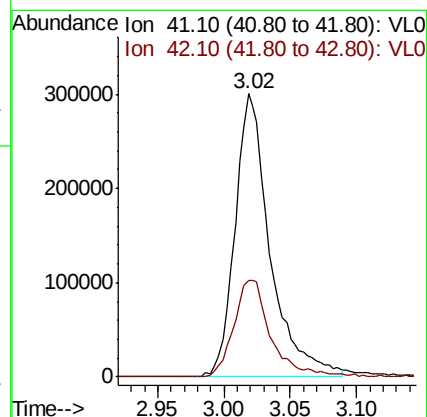
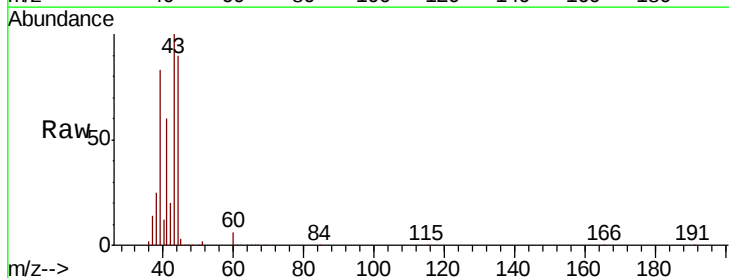
Acq: 5 Aug 2021 4:44

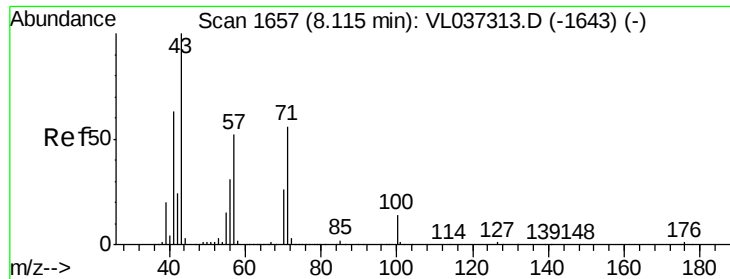
Tgt Ion: 41 Resp: 551282

Ion Ratio Lower Upper

41 100

42 36.7 53.8 80.8#

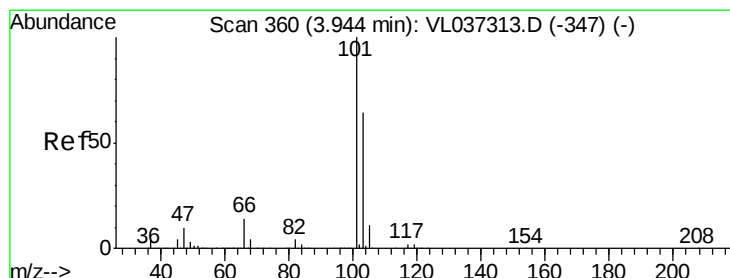
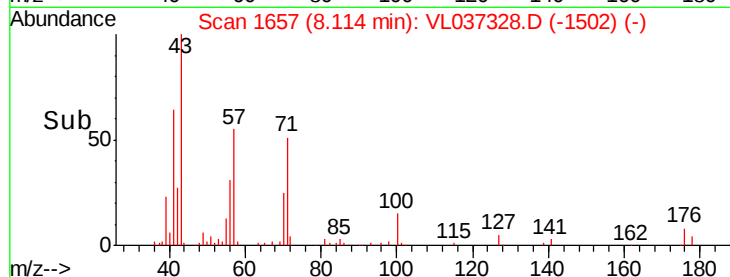
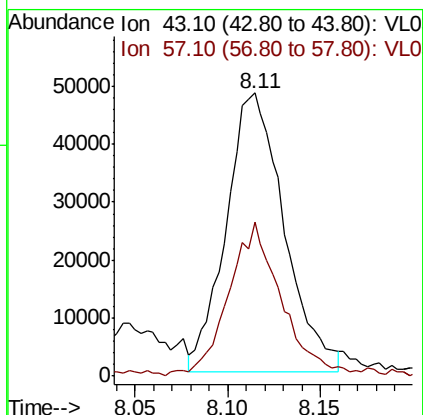
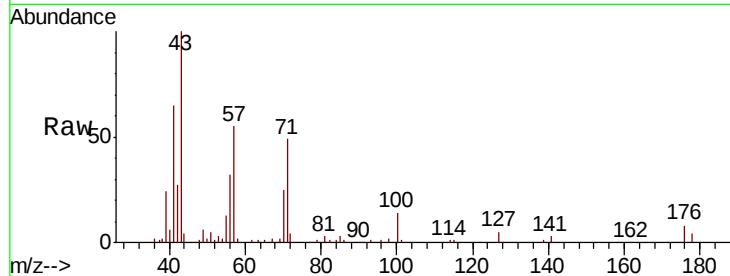




#10
 Heptane
 Concen: 0.569 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

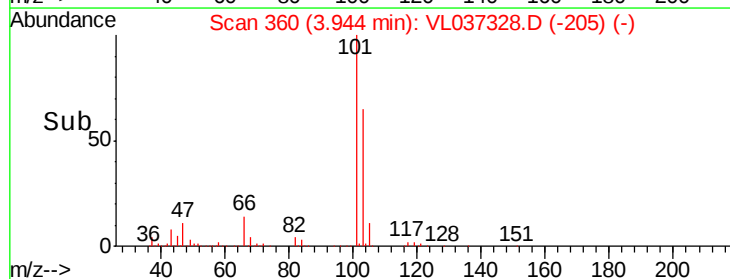
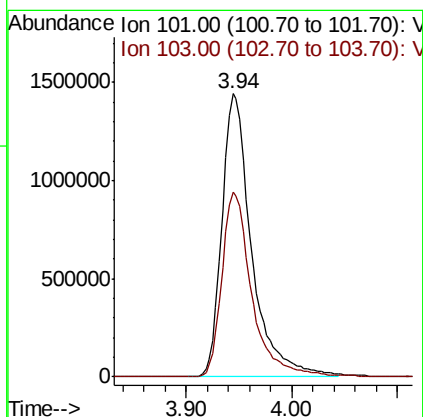
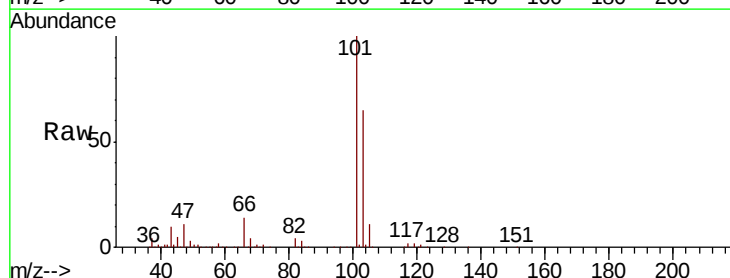
Instrument :
 MSVOA_L
 ClientSampleId :

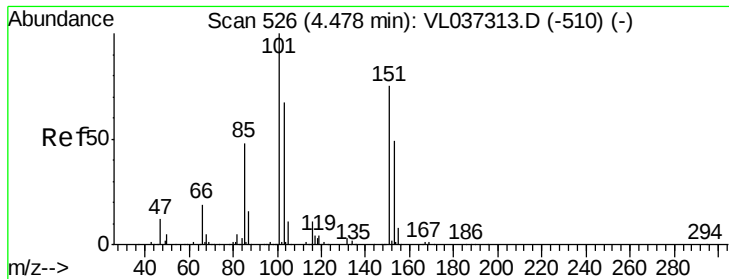
Tot Ion: 43 Resp: 104915
 Ion Ratio Lower Upper
 43 100
 57 50.6 42.4 63.6



#11
 Trichlorofluoromethane
 Concen: 14.034 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion: 101 Resp: 2816158
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.6 77.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.034 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

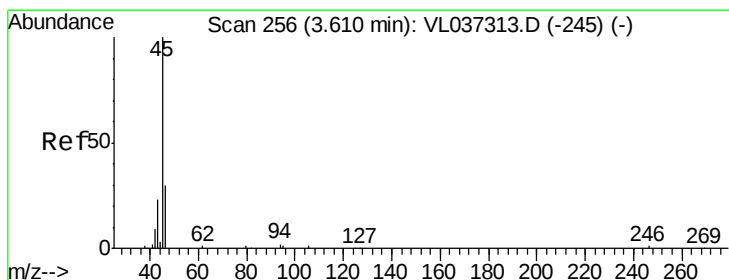
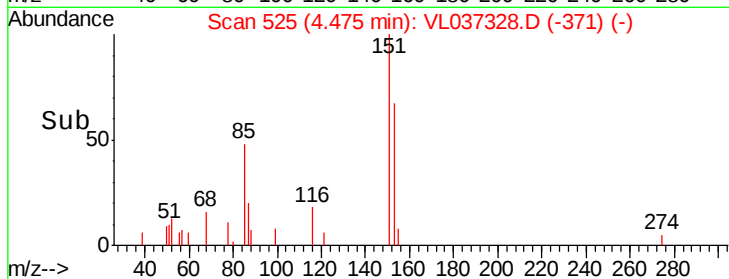
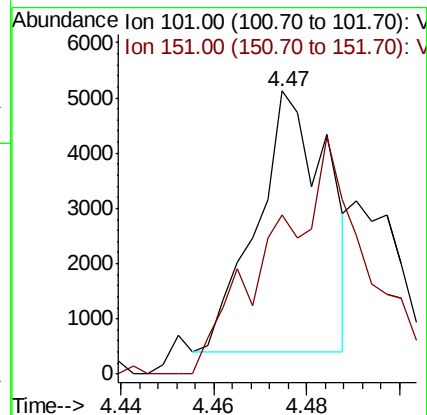
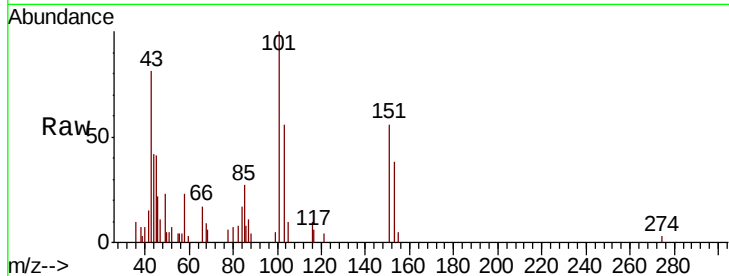
ClientSampleId :

Tot Ion:101 Resp: 4998

Ion Ratio Lower Upper

101 100

151 130.3 60.6 91.0#



#13

Ethanol

Concen: 351.231 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL037328.D

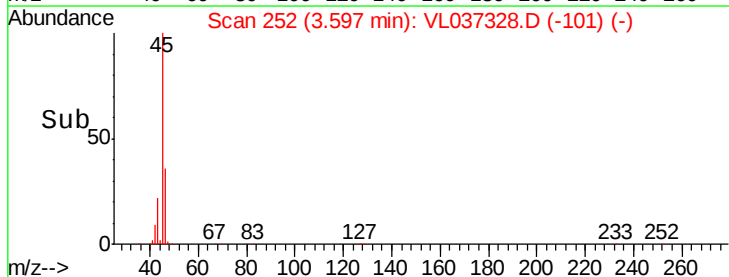
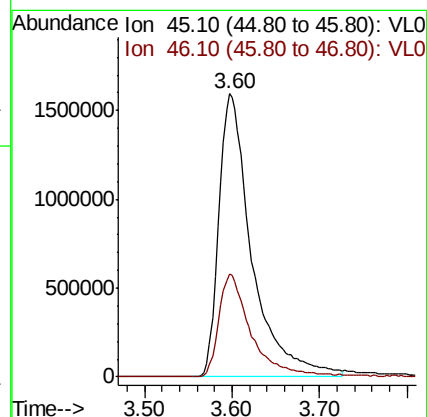
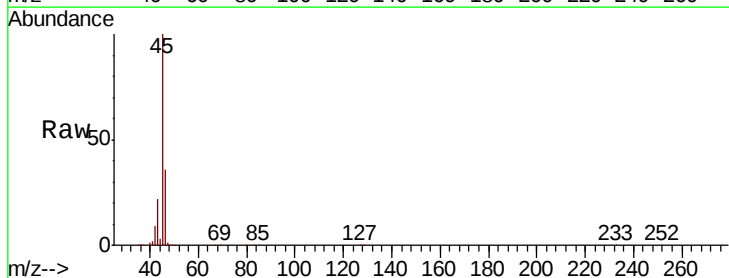
Acq: 5 Aug 2021 4:44

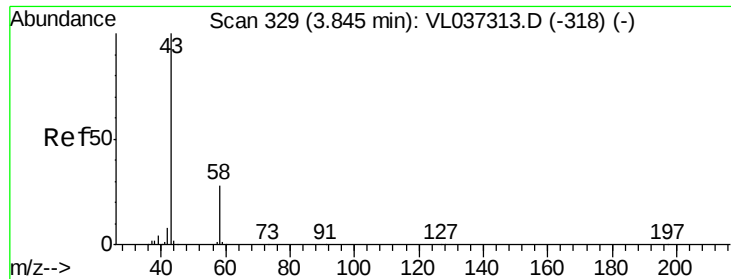
Tgt Ion: 45 Resp: 4178298

Ion Ratio Lower Upper

45 100

46 35.9 16.6 66.4





#15

Acetone

Concen: 110.671 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

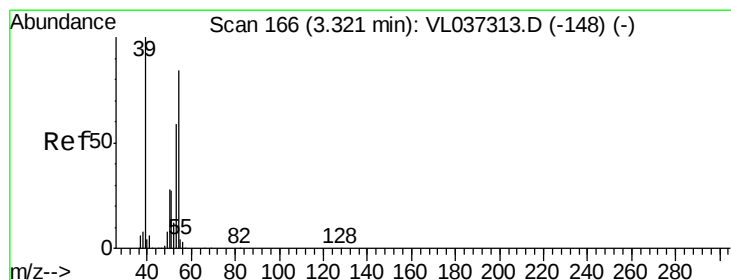
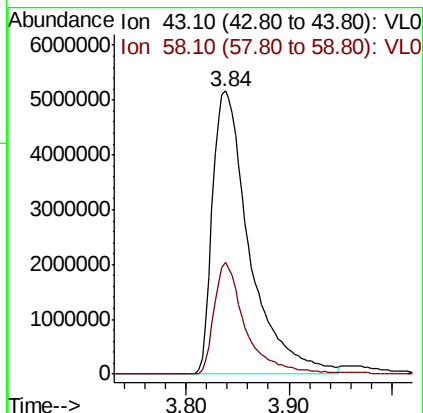
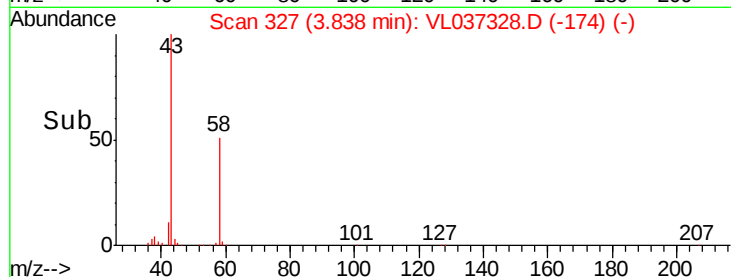
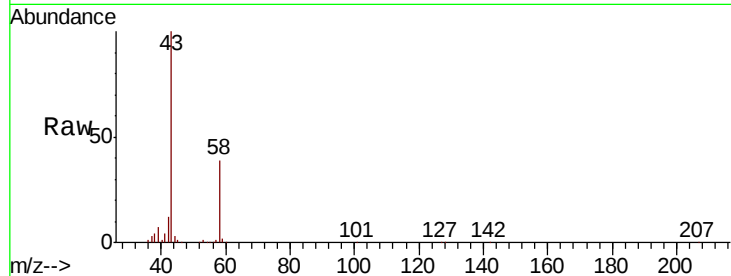
ClientSampled :

Tot Ion: 43 Resp:12914879

Ion Ratio Lower Upper

43 100

58 34.1 25.3 37.9



#16

1,3-Butadiene

Concen: 0.211 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL037328.D

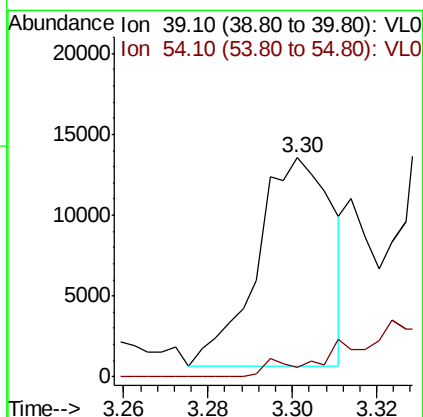
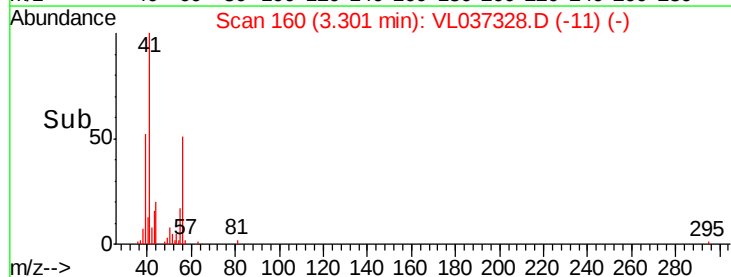
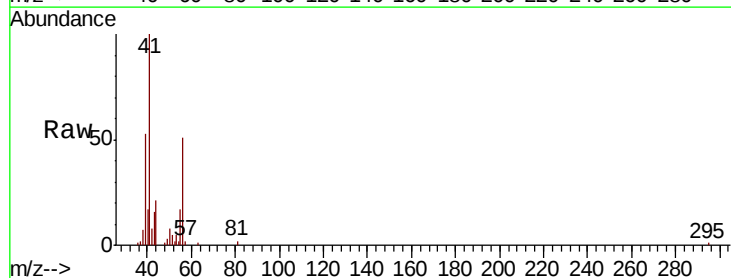
Acq: 5 Aug 2021 4:44

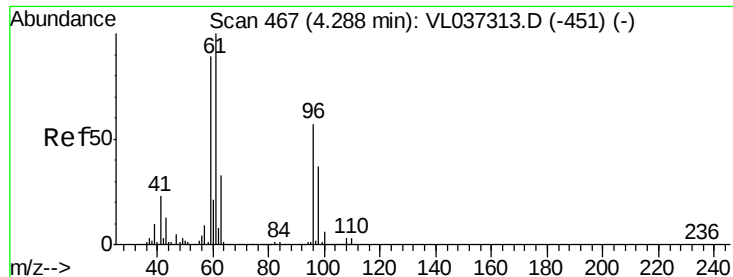
Tgt Ion: 39 Resp: 15888

Ion Ratio Lower Upper

39 100

54 0.0 66.1 99.1#



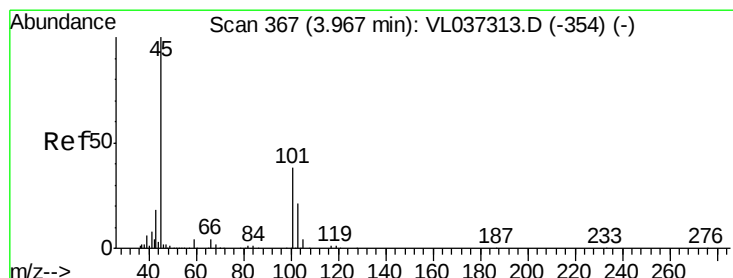
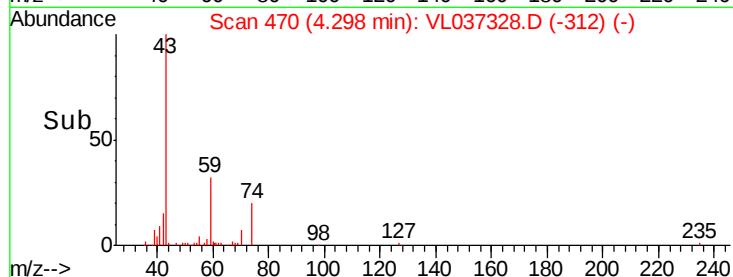
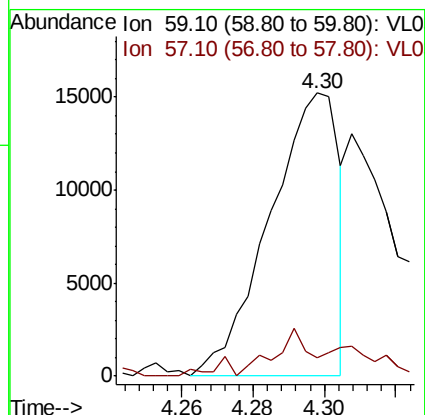
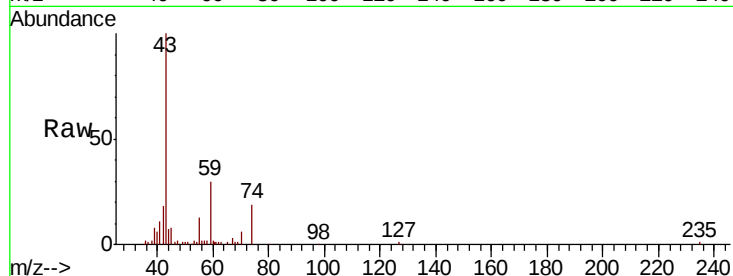


#17

tert-Butyl alcohol
Concen: 0.174 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :

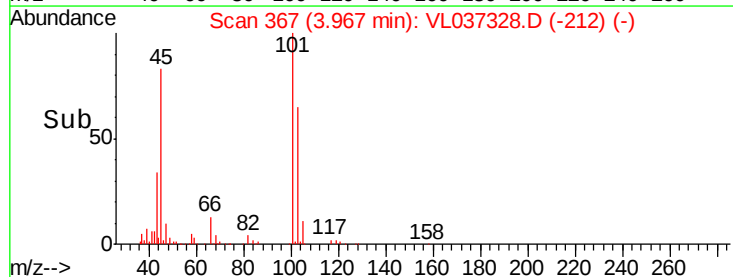
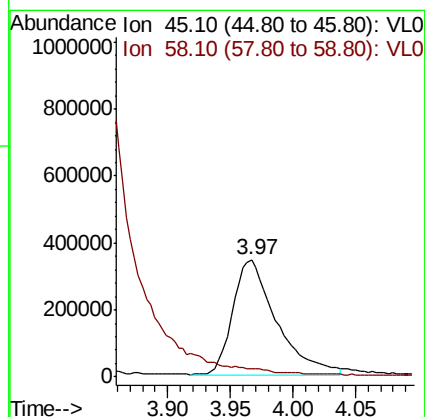
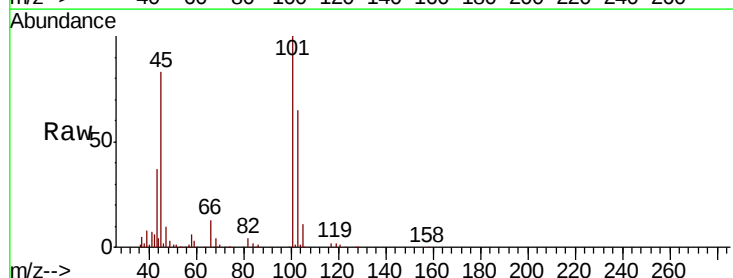
Tot Ion: 59 Resp: 20449
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

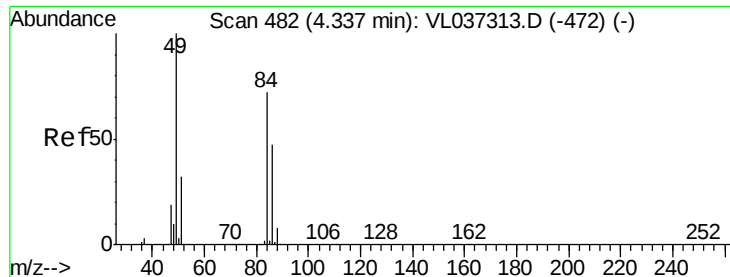


#19

Isopropyl Alcohol
Concen: 12.826 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 45 Resp: 828355
Ion Ratio Lower Upper
45 100
58 531.4 1.8 2.8#

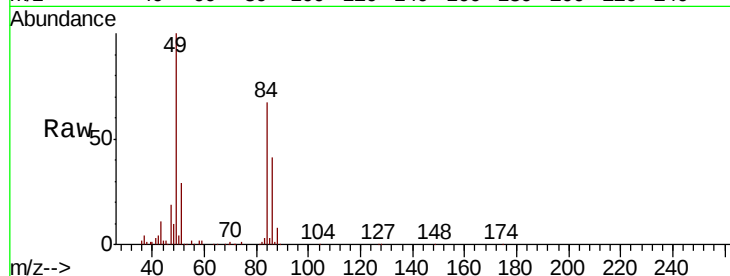




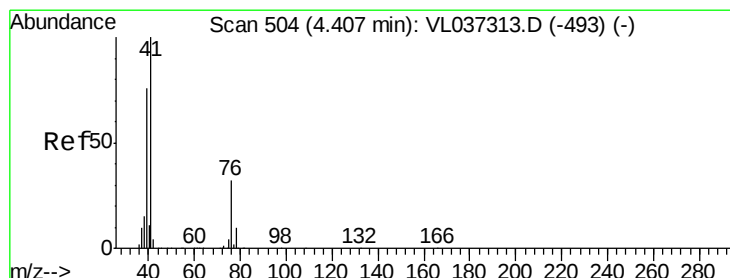
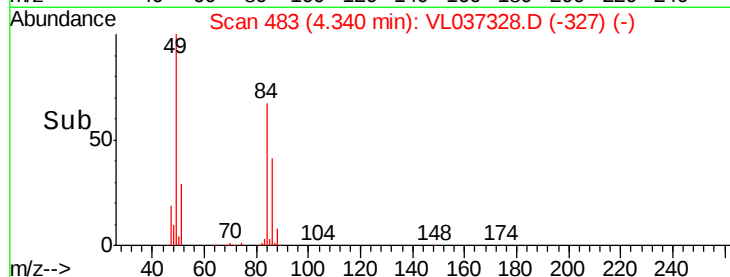
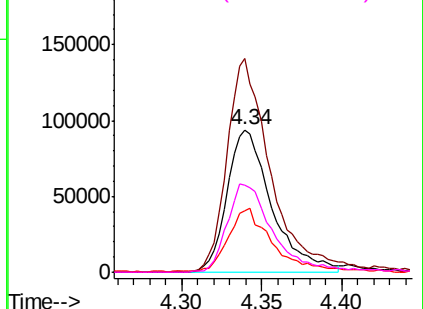
#20
Methvlene Chloride
Concen: 1.864 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	180134
Ion	Ratio	Lower	Upper
84	100		
49	149.5	110.4	165.6
51	41.7	35.8	53.6
86	61.2	51.8	77.8

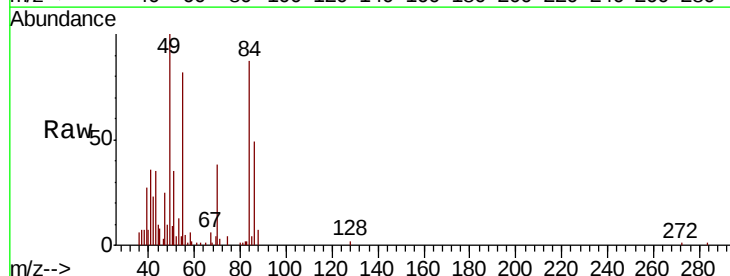


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

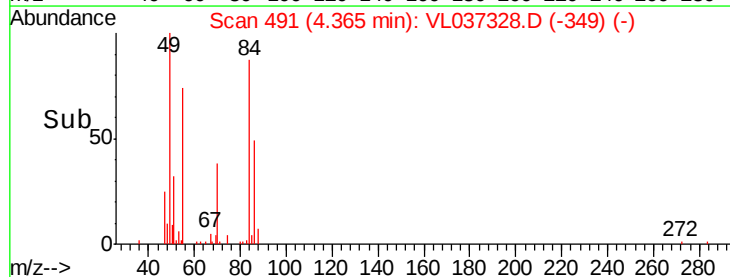
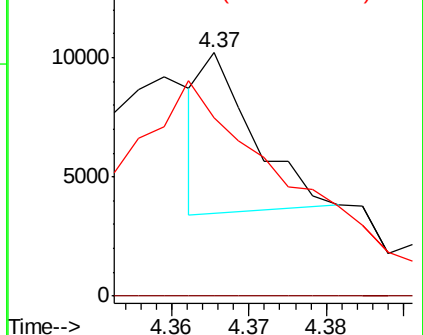


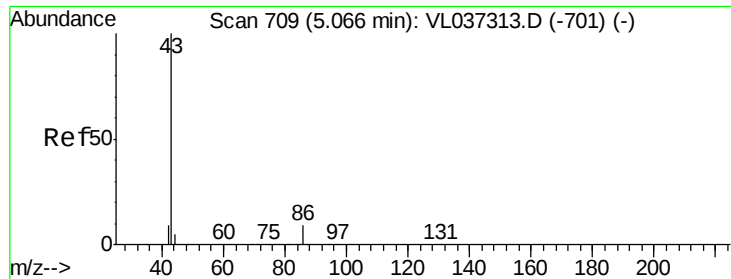
#21
Allyl Chloride
Concen: 0.032 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.04 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion:	41	Resp:	3067
Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.7	38.5#
39	435.9	59.0	88.4#



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





#23

Vinyl Acetate

Concen: 0.868 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.01 min

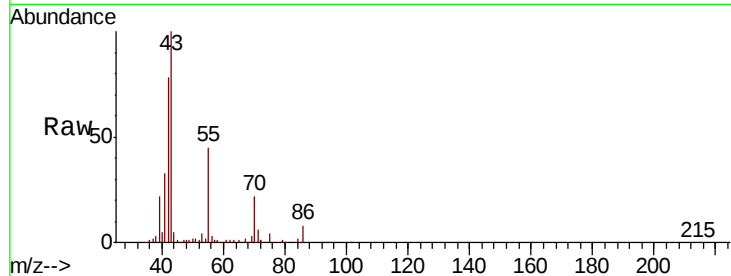
Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

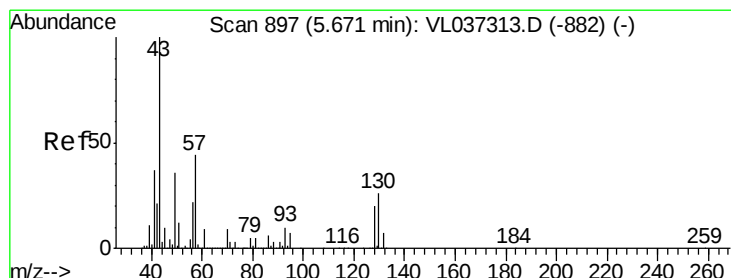
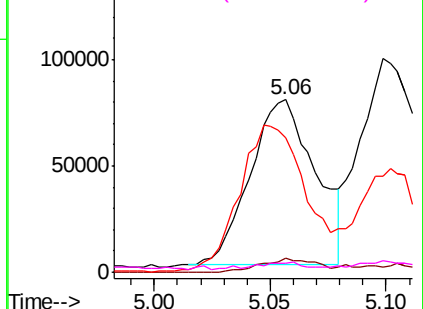
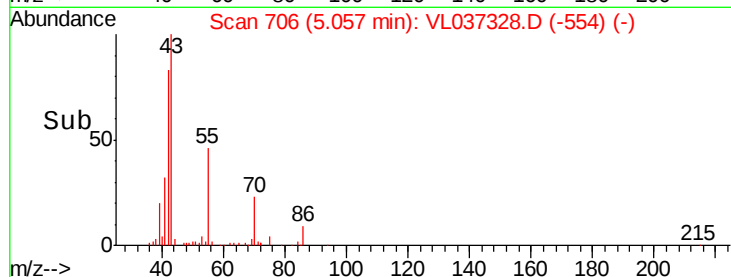
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 153035

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.2	9.2
42	79.6	7.7	11.5#
44	3.7	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



#25

Ethyl Acetate

Concen: 1.014 ppbv

RT: 5.68 min Scan# 899

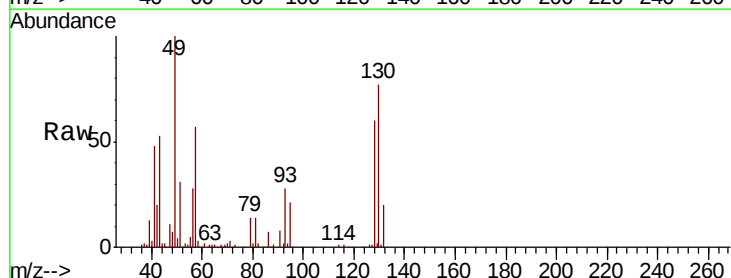
Delta R.T. 0.01 min

Lab File: VL037328.D

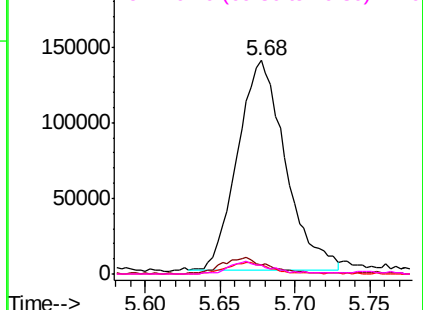
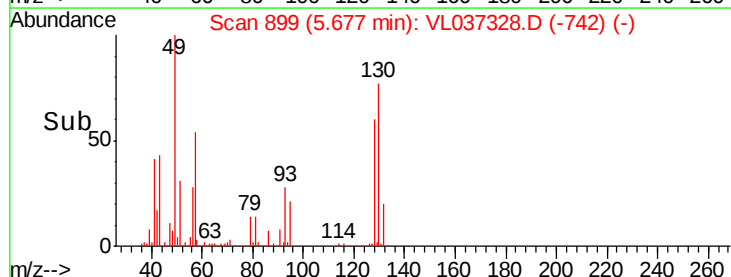
Acq: 5 Aug 2021 4:44

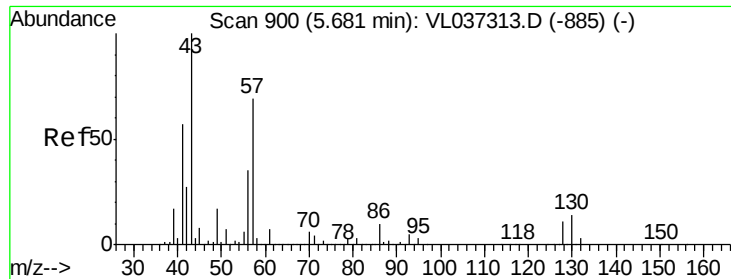
Tgt Ion: 43 Resp: 307803

Ion	Ratio	Lower	Upper
43	100		
45	7.5	7.8	11.8#
61	5.4	8.6	12.8#
70	5.1	5.9	8.9#



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: 1.795 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

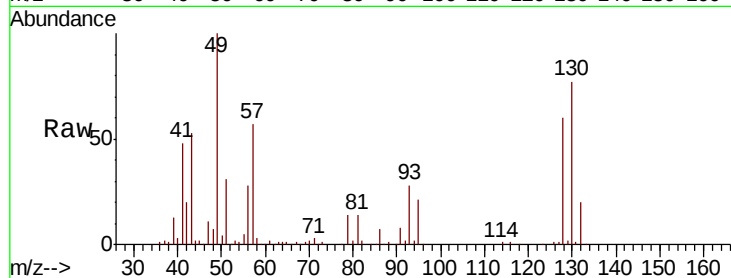
MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 304771

Ion Ratio Lower Upper

57	100		
41	88.2	67.5	101.3
43	109.1	163.0	244.4#
56	55.1	41.5	62.3



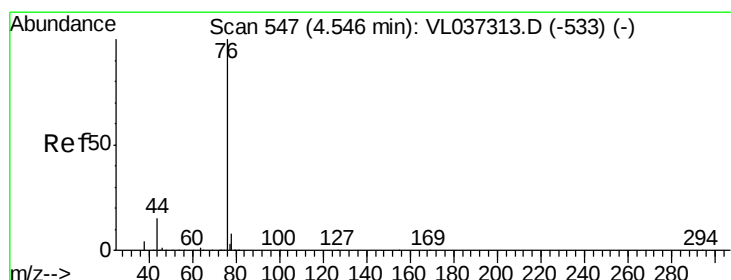
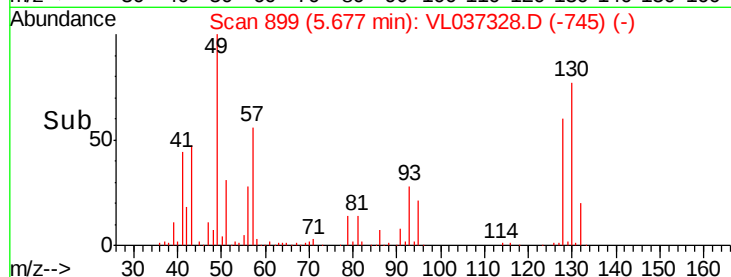
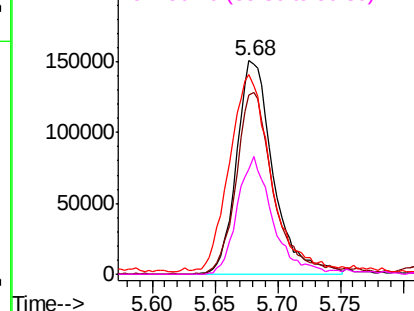
Abundance

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: 0.104 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

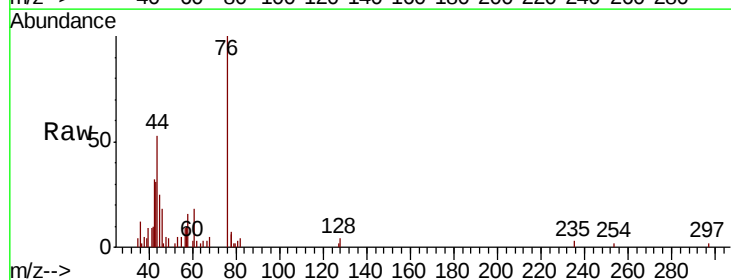
Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion: 76 Resp: 14346

Ion Ratio Lower Upper

76	100		
44	29.9	13.1	19.7#
78	14.1	8.0	12.0#

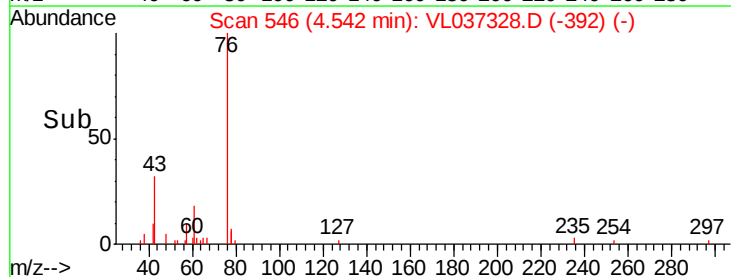
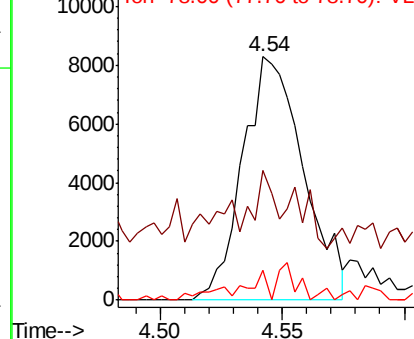


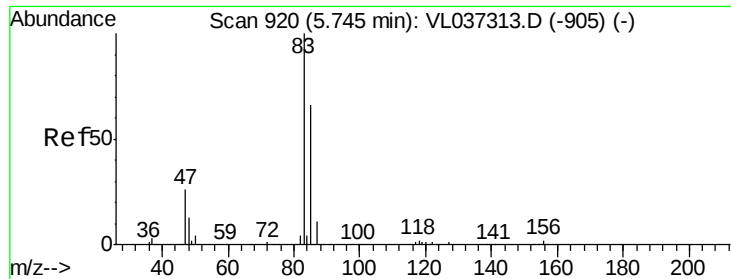
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

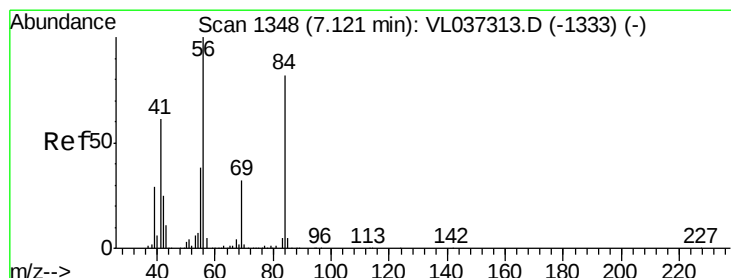
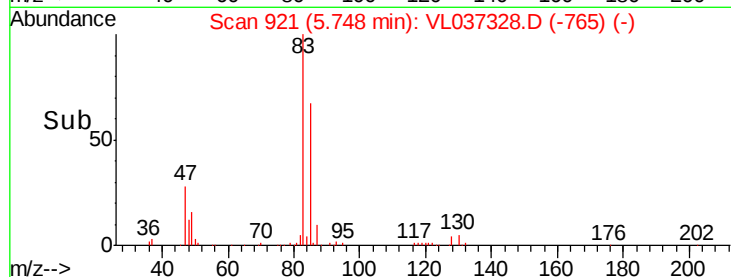
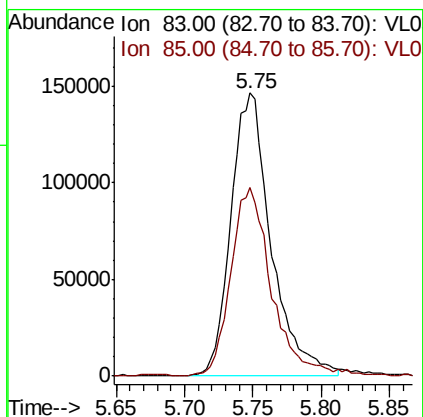
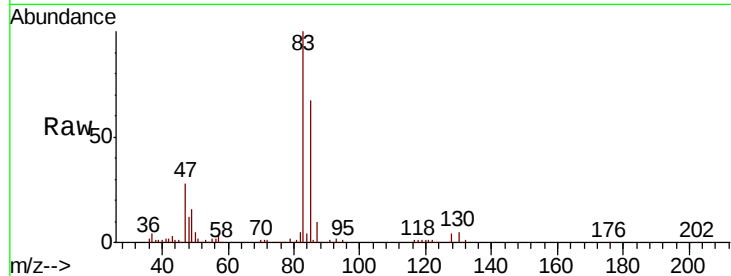




#29
Chloroform
Concen: 1.397 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

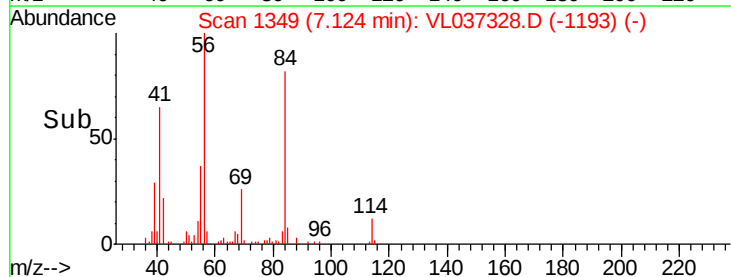
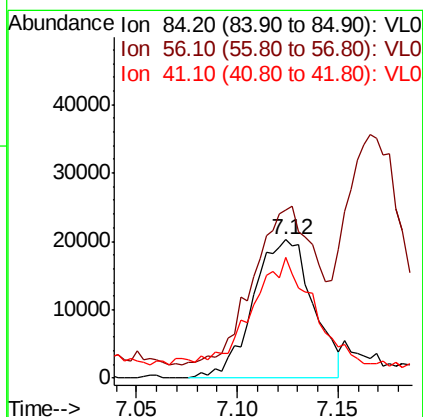
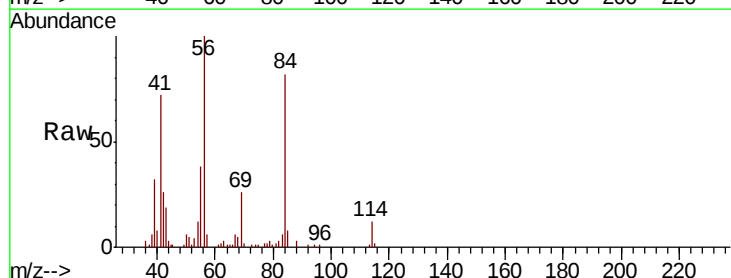
Instrument :
MSVOA_L
ClientSampleId :

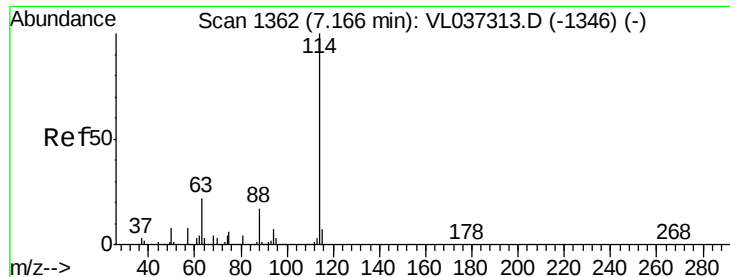
Tot Ion: 83 Resp: 300401
Ion Ratio Lower Upper
83 100
85 66.6 52.6 79.0



#30
Cyclohexane
Concen: 0.319 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 84 Resp: 41721
Ion Ratio Lower Upper
84 100
56 120.8 105.2 157.8
41 82.0 61.3 91.9

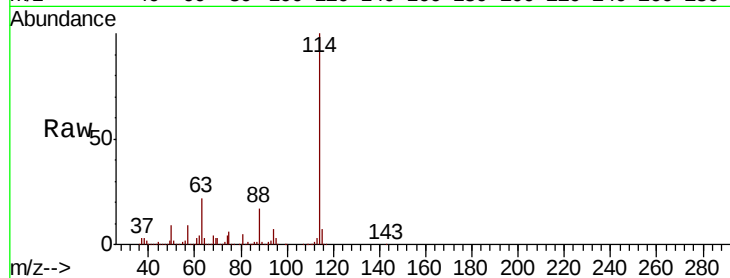




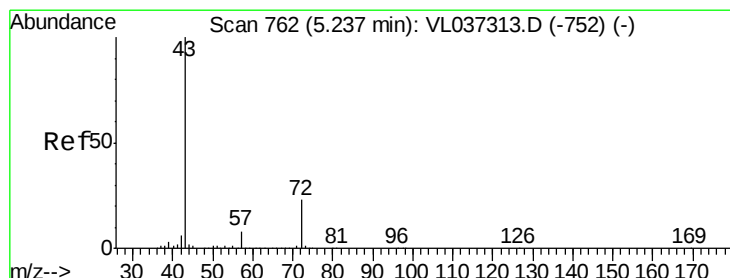
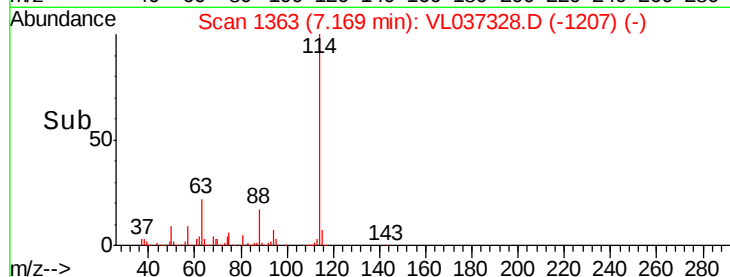
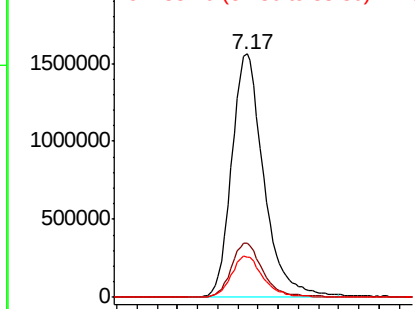
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3460588
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.1 27.1
 88 17.1 13.8 20.8

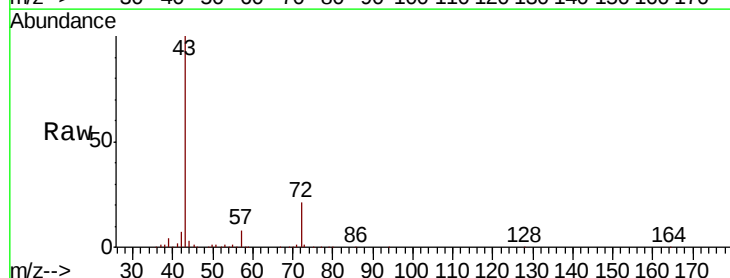


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

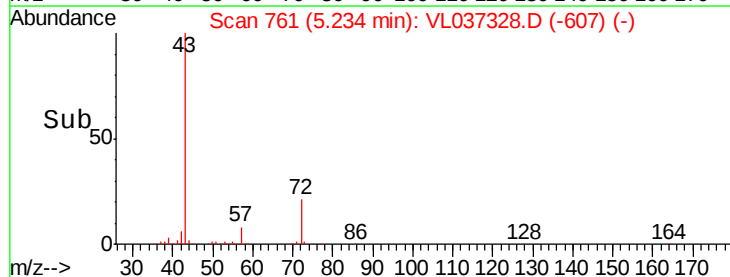
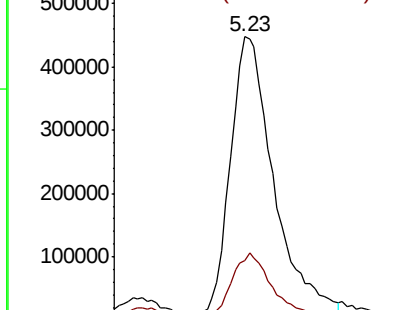


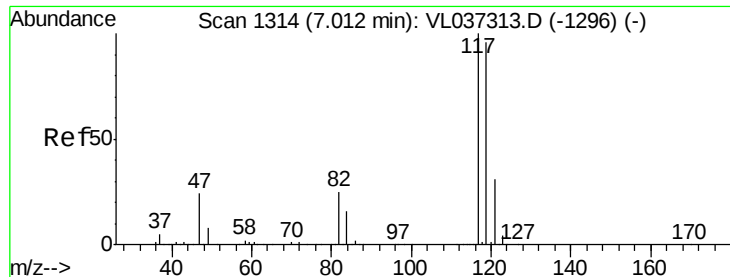
#34
 2-Butanone
 Concen: 7.651 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion: 43 Resp: 918776
 Ion Ratio Lower Upper
 43 100
 72 24.7 20.3 30.5



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

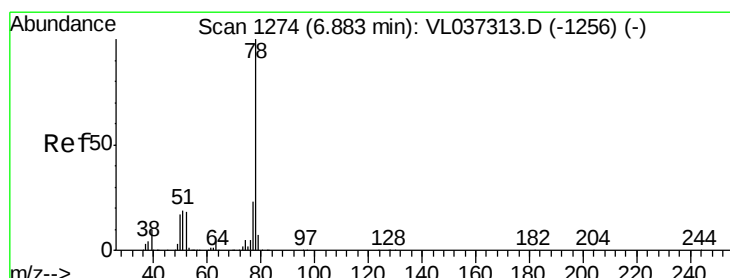
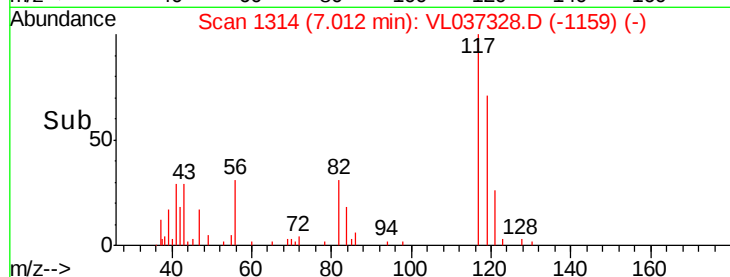
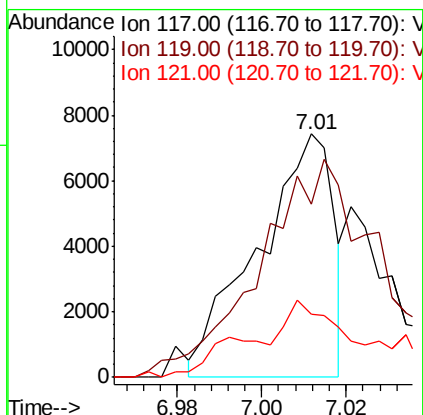
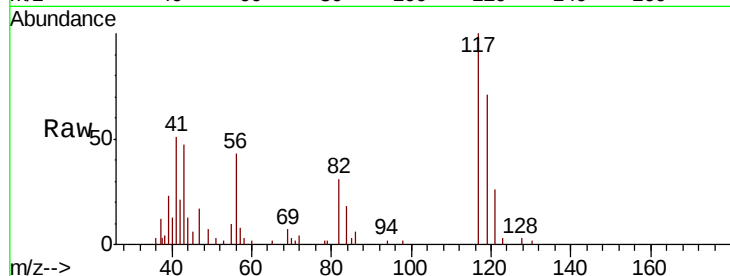




#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

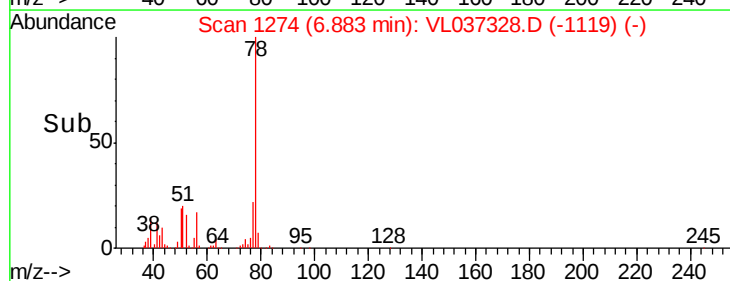
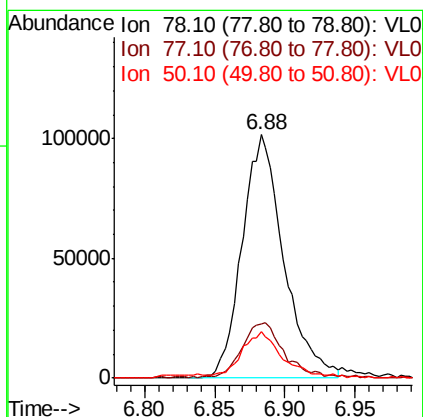
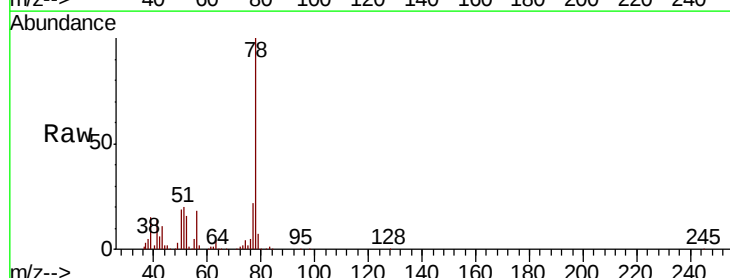
Instrument :
MSVOA_L
ClientSampleId :

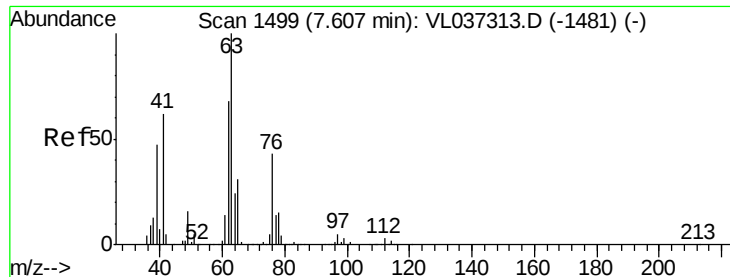
Tot Ion:117 Resp: 9286
Ion Ratio Lower Upper
117 100
119 66.1 76.6 114.8#
121 25.3 24.9 37.3



#36
Benzene
Concen: 0.674 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 78 Resp: 209791
Ion Ratio Lower Upper
78 100
77 22.3 18.7 28.1
50 18.3 13.7 20.5





#39

1,2-Dichloropropane

Concen: 6.418 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampleId :

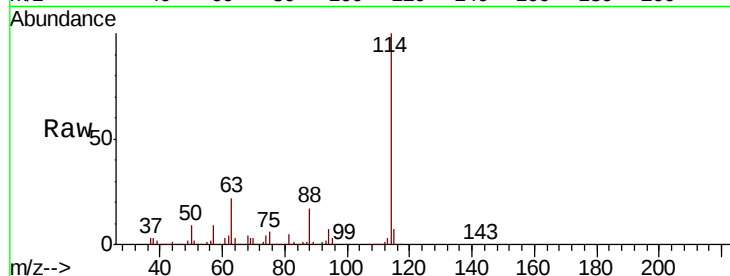
Tot Ion: 63 Resp: 744361

Ion Ratio Lower Upper

63 100

41 0.0 49.2 73.8#

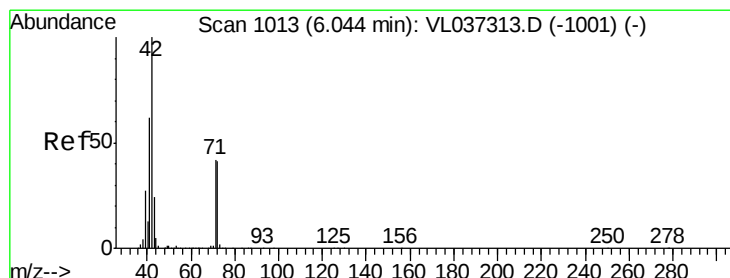
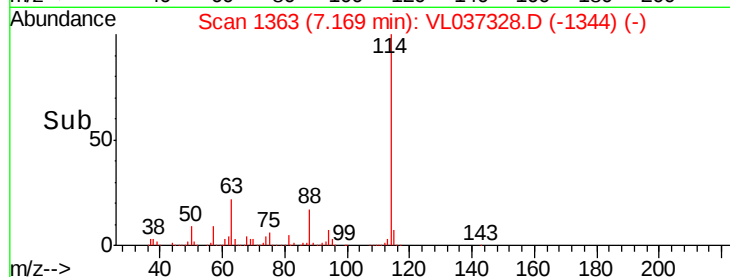
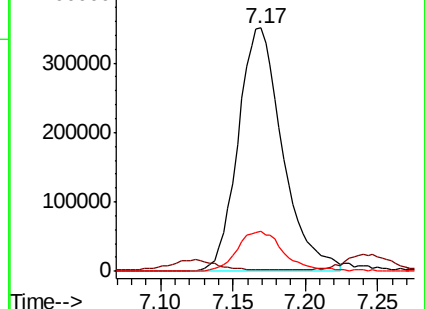
62 16.0 54.2 81.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.122 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

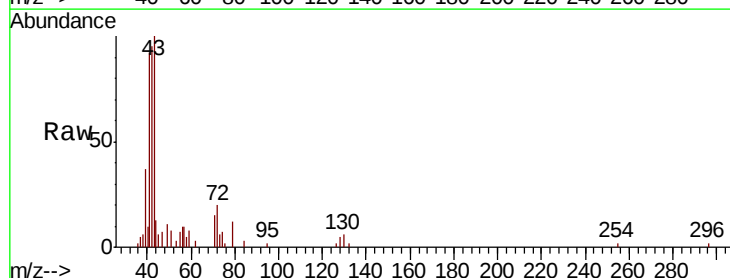
Tgt Ion: 42 Resp: 8122

Ion Ratio Lower Upper

42 100

72 77.4 33.6 50.4#

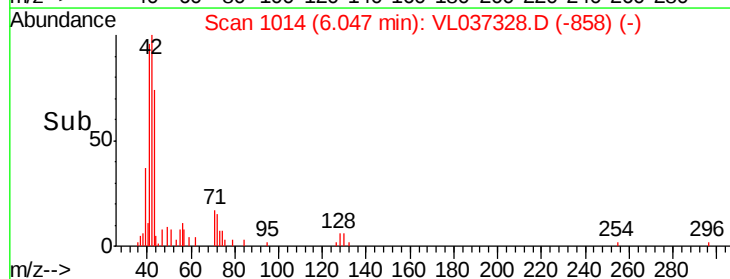
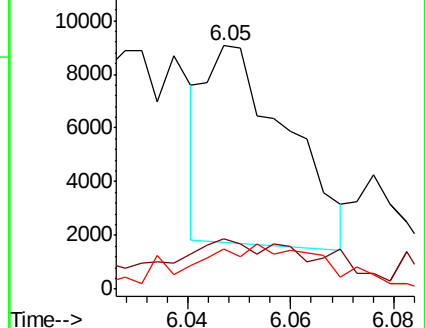
71 39.5 33.0 49.4

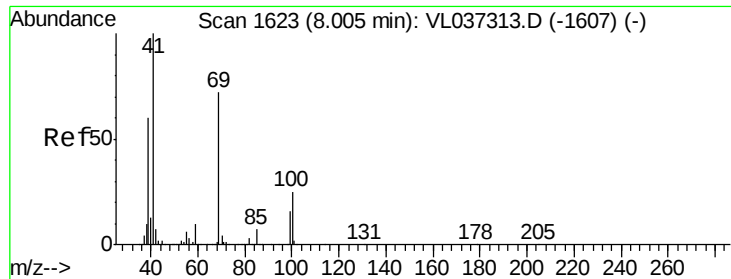


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

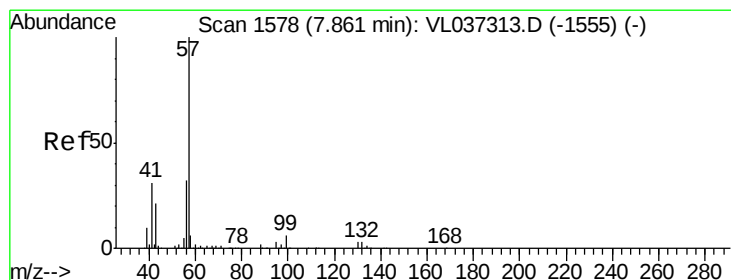
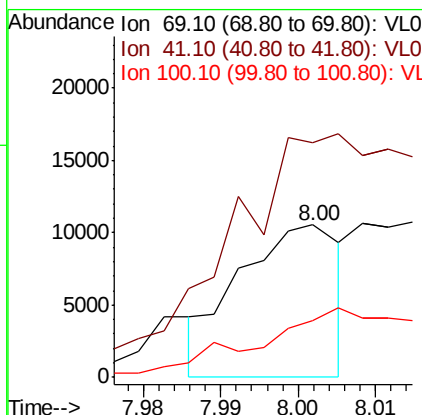
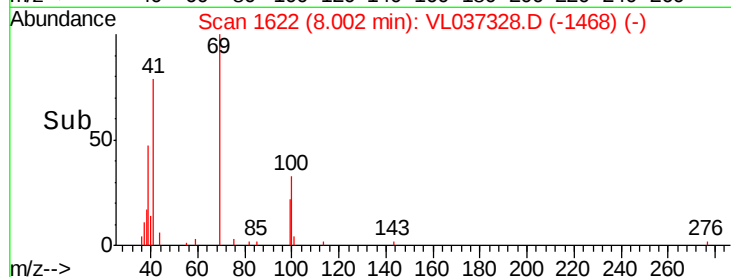
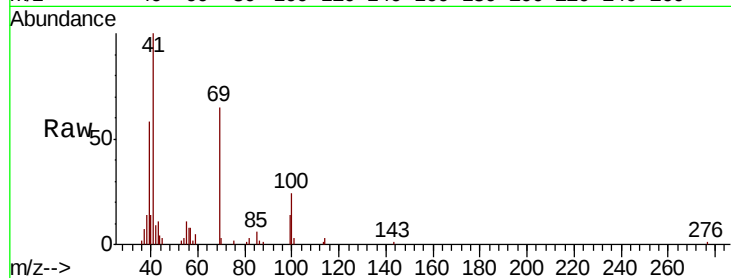




#43
Methvl Methacrylate
Concen: 0.091 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

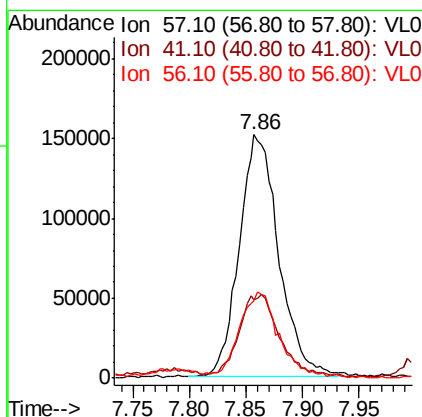
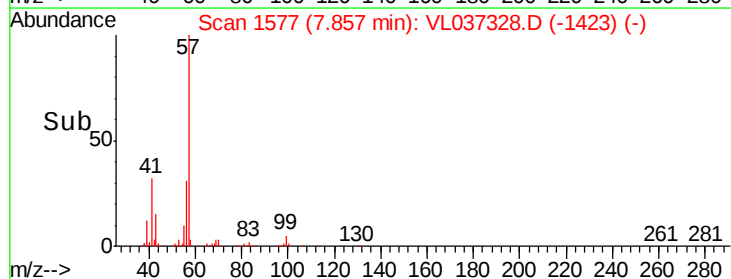
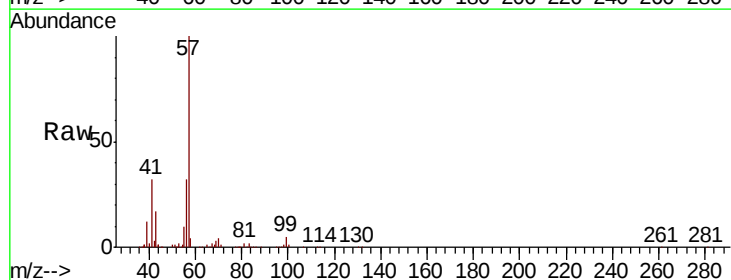
Instrument :
MSVOA_L
ClientSampleId :

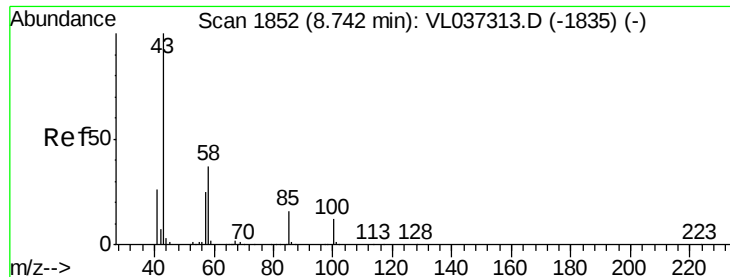
Tot Ion: 69 Resp: 9640
Ion Ratio Lower Upper
69 100
41 413.4 114.6 172.0#
100 102.4 29.4 44.2#



#44
2,2,4-Trimethylpentane
Concen: 0.719 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 57 Resp: 370019
Ion Ratio Lower Upper
57 100
41 35.0 24.3 36.5
56 36.5 25.0 37.6

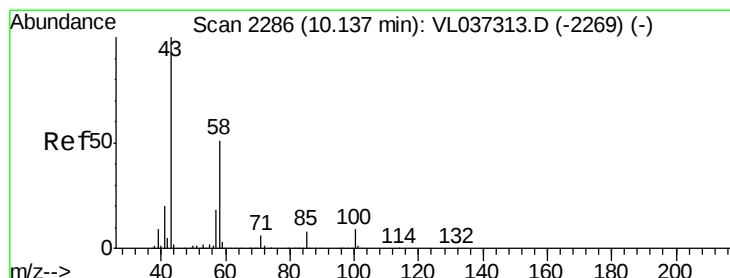
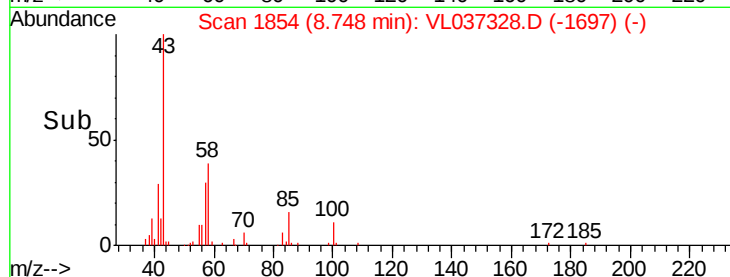
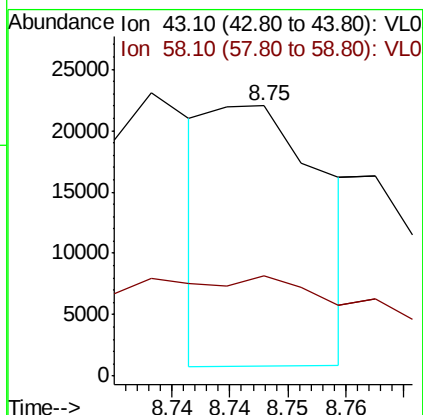
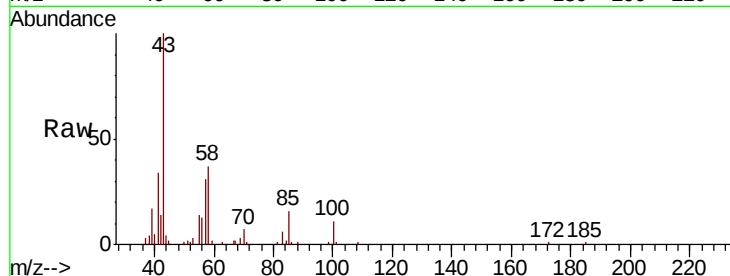




#50
4-Methyl-2-Pentanone
Concen: 0.078 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

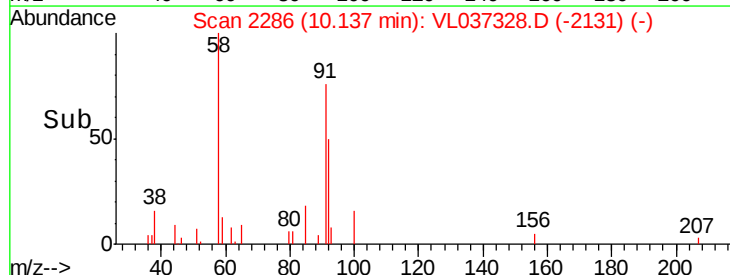
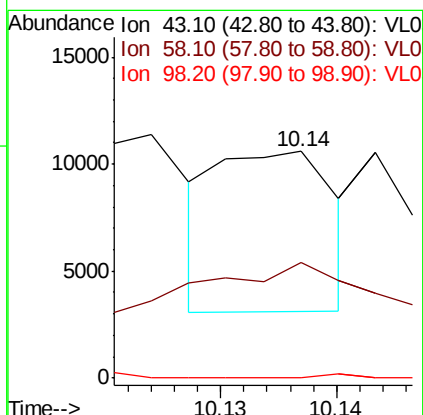
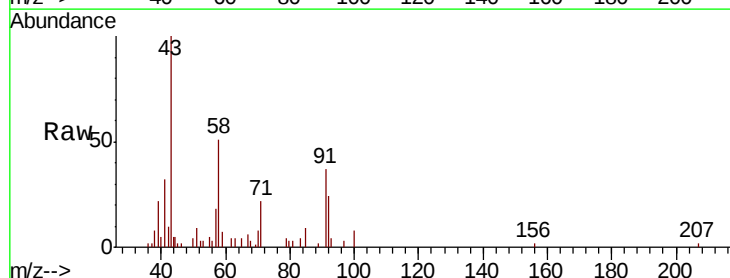
Instrument :
MSVOA_L
ClientSampleId :

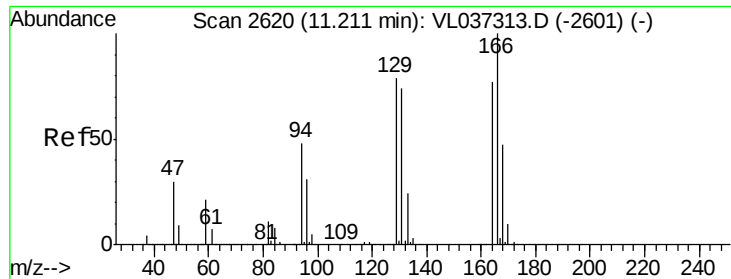
Tot Ion: 43 Resp: 14314
Ion Ratio Lower Upper
43 100
58 145.7 31.0 46.4#



#51
2-Hexanone
Concen: 0.062 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 43 Resp: 5215
Ion Ratio Lower Upper
43 100
58 237.0 40.9 61.3#
98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.056 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:164 Resp: 7464

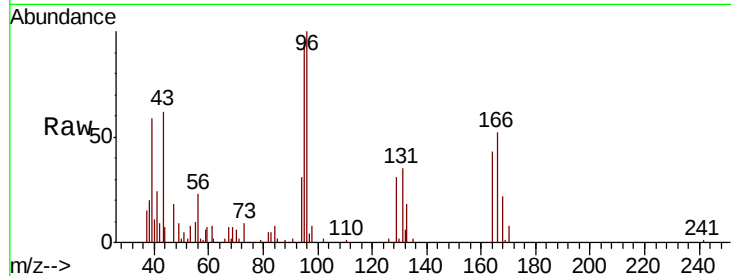
Ion Ratio Lower Upper

164 100

166 102.7 103.4 155.2#

129 60.3 82.2 123.2#

131 72.0 76.6 114.8#



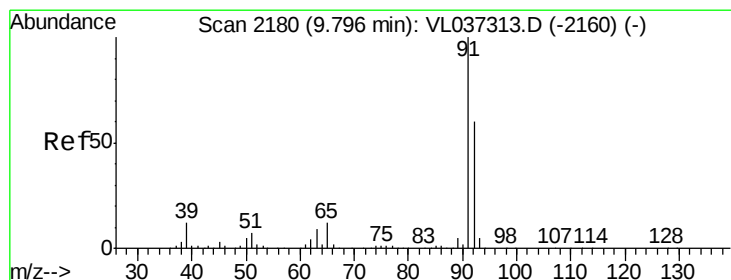
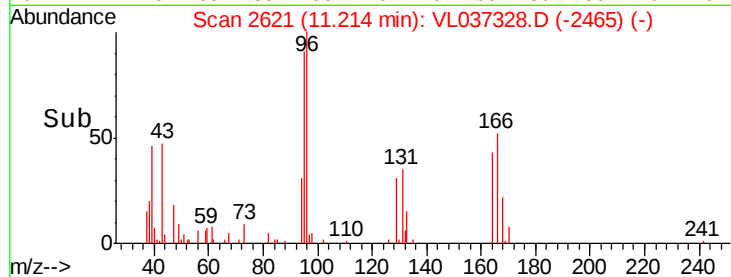
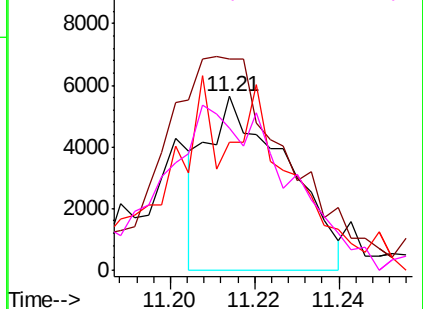
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 12.299 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037328.D

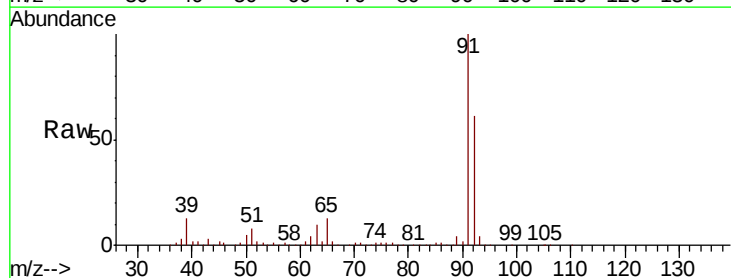
Acq: 5 Aug 2021 4:44

Tgt Ion: 91 Resp: 4521792

Ion Ratio Lower Upper

91 100

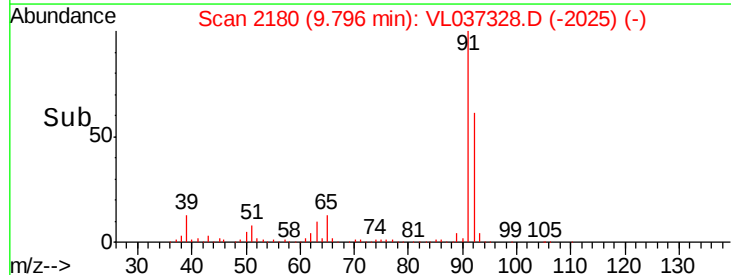
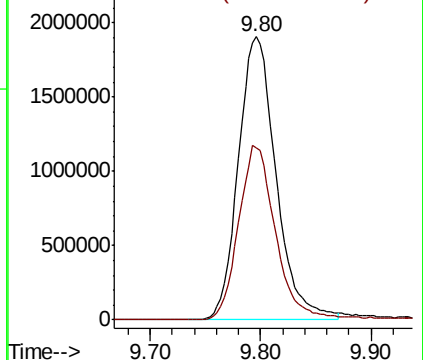
92 62.4 48.8 73.2

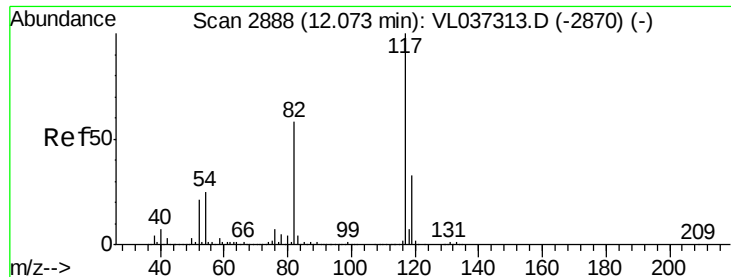


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

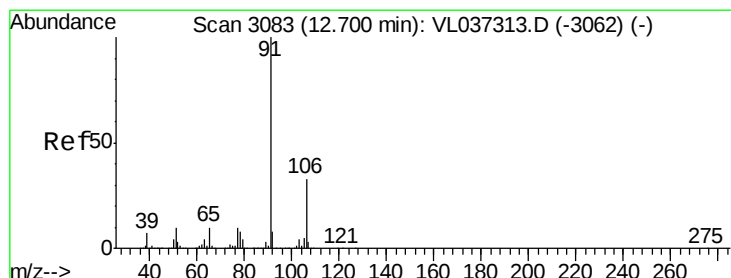
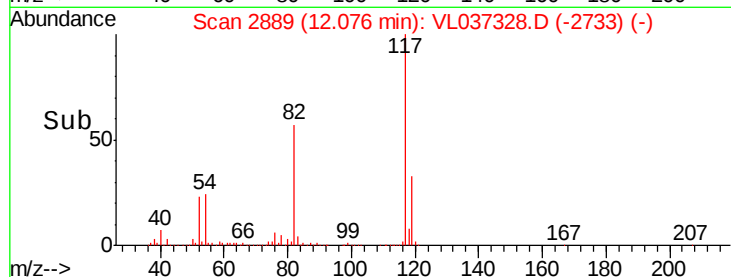
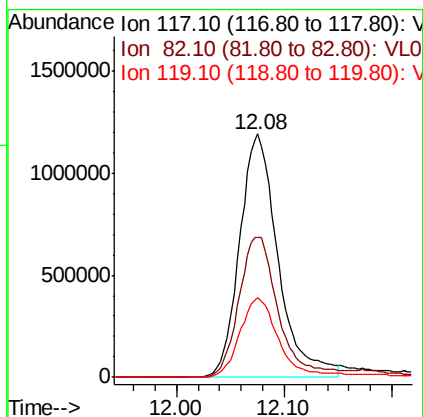
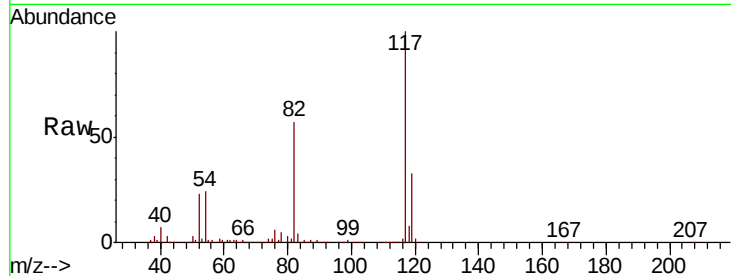




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

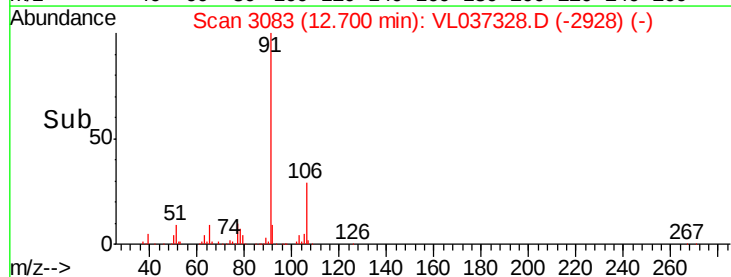
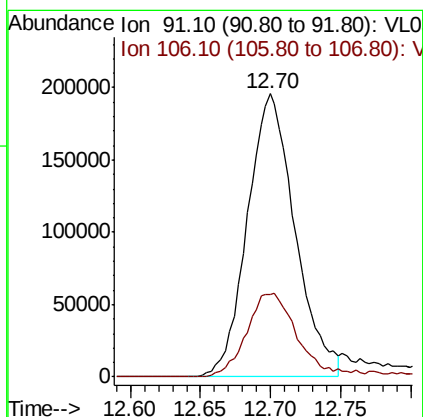
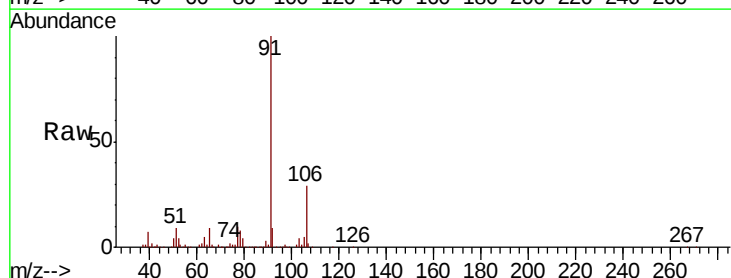
Instrument :
MSVOA_L
ClientSampleId :

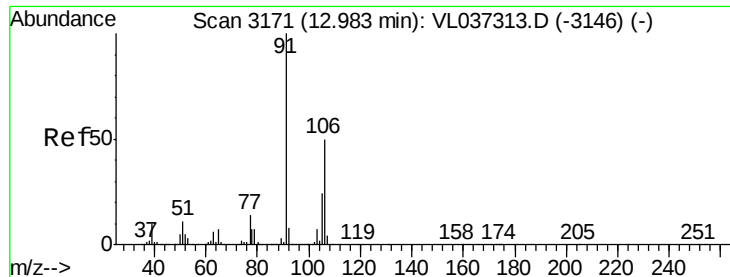
Tot Ion:117 Resp: 2956746
Ion Ratio Lower Upper
117 100
82 65.2 50.3 75.5
119 35.7 48.2 72.2#



#58
Ethyl Benzene
Concen: 1.060 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 91 Resp: 460231
Ion Ratio Lower Upper
91 100
106 29.0 26.2 39.2

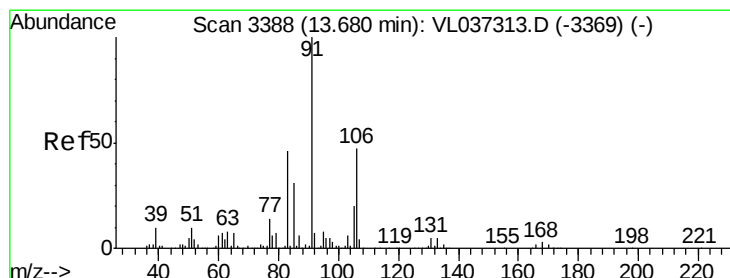
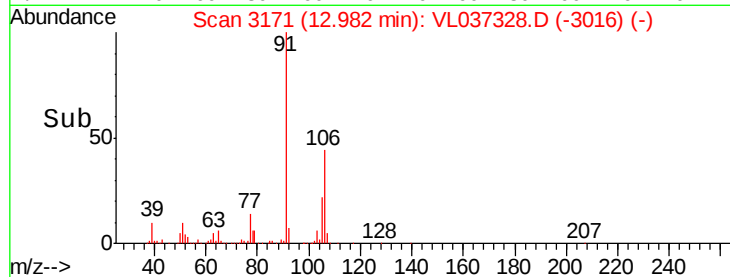
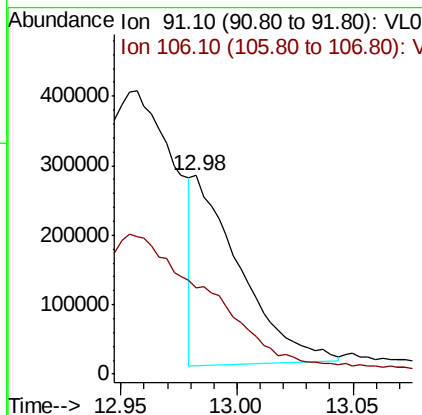
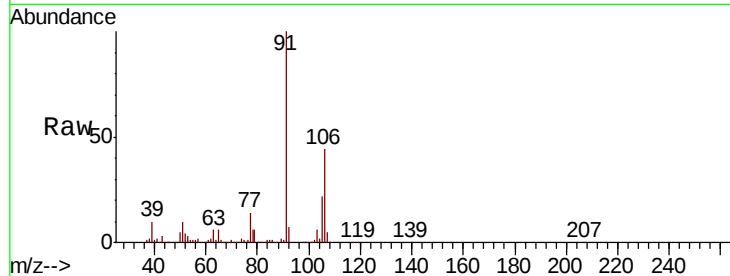




#59
m/p-Xylene
Concen: 1.050 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

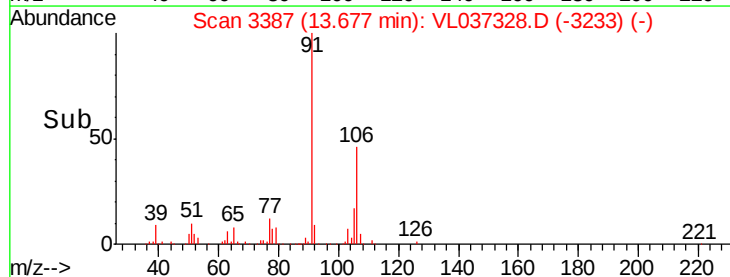
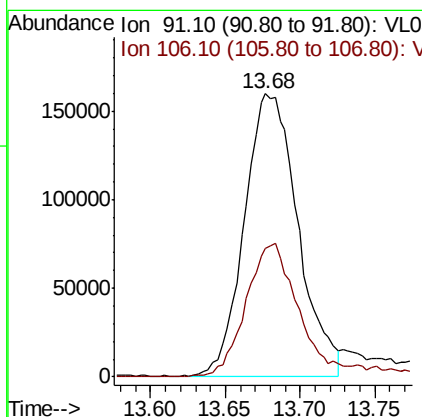
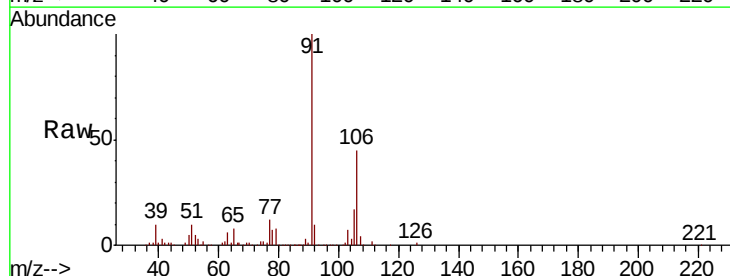
Instrument :
MSVOA_L
ClientSampled :

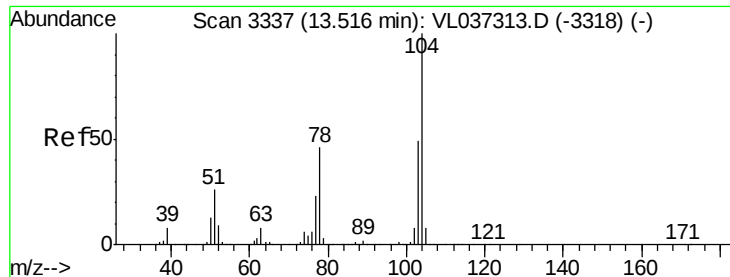
Tot Ion: 91 Resp: 384084
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#



#60
o-Xylene
Concen: 1.188 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 91 Resp: 394953
Ion Ratio Lower Upper
91 100
106 50.1 26.3 78.8

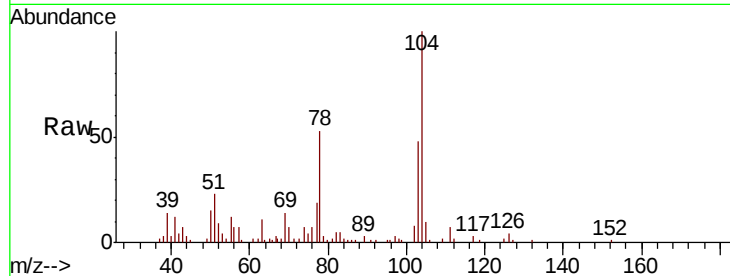




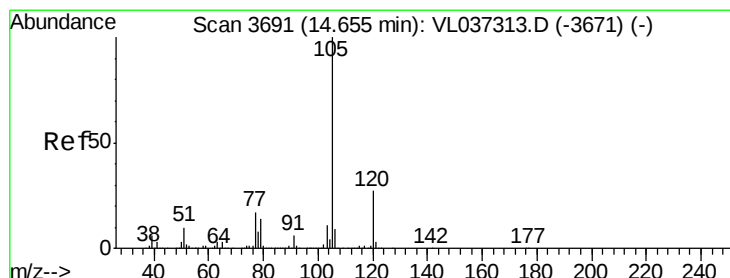
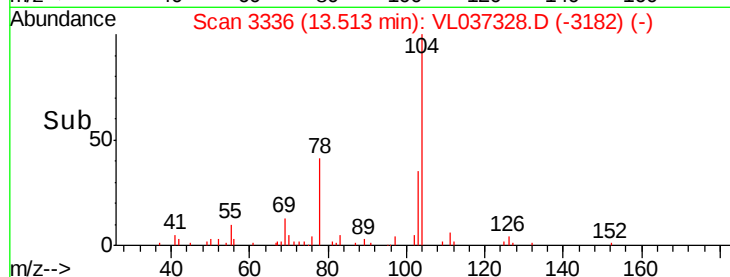
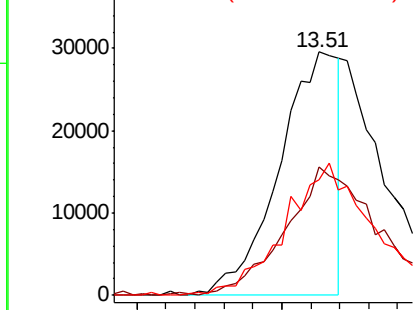
#61
Stvrene
Concen: 0.232 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:104 Resp: 42279
Ion Ratio Lower Upper
104 100
78 90.6 39.3 58.9#
103 88.3 40.6 60.8#

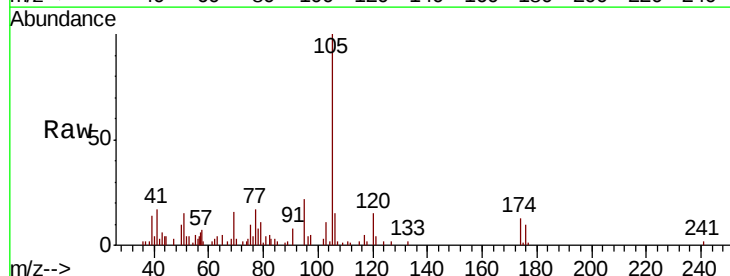


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

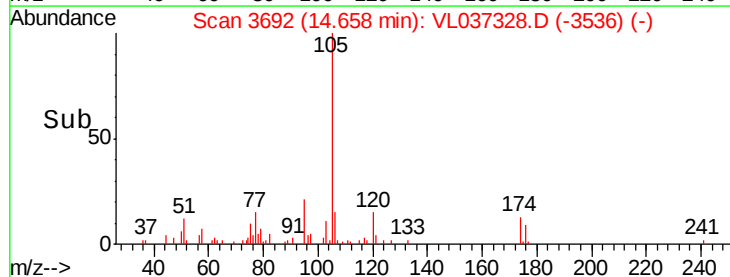
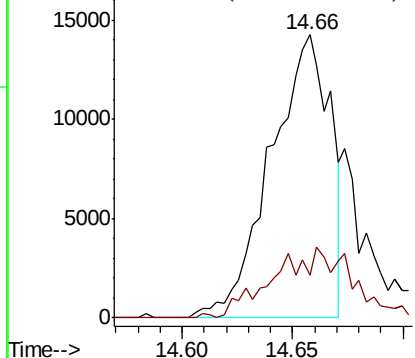


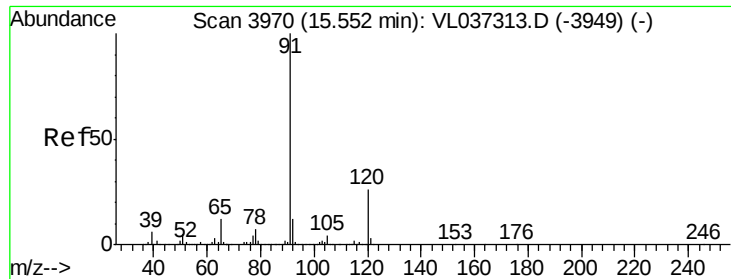
#62
Isopropylbenzene
Concen: 0.055 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion:105 Resp: 26679
Ion Ratio Lower Upper
105 100
120 35.0 23.0 34.6#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

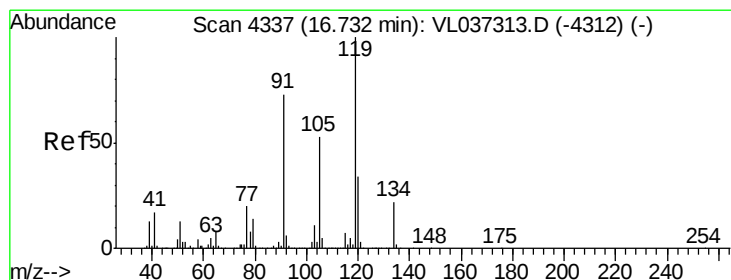
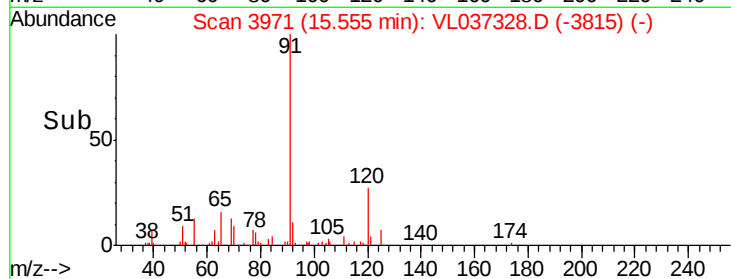
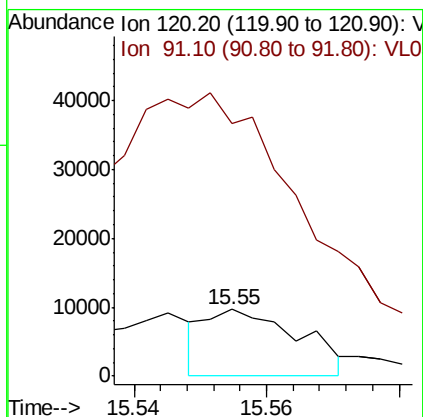
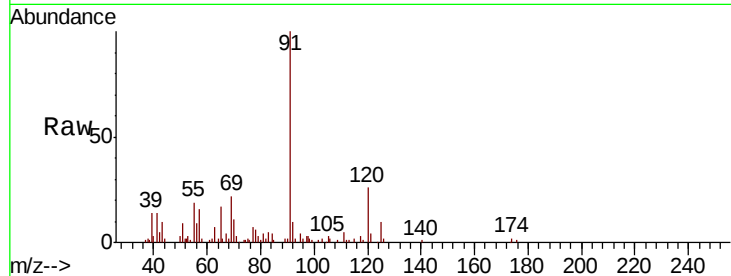




#64
n-propylbenzene
Concen: 0.074 ppbv
RT: 15.55 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

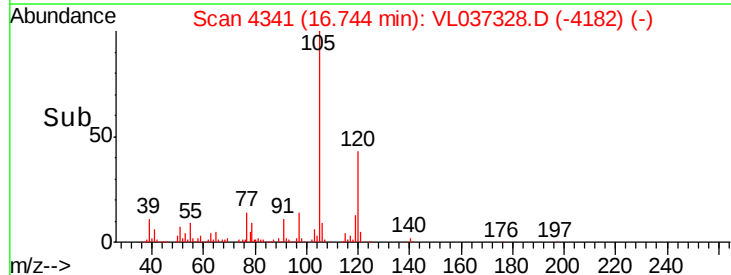
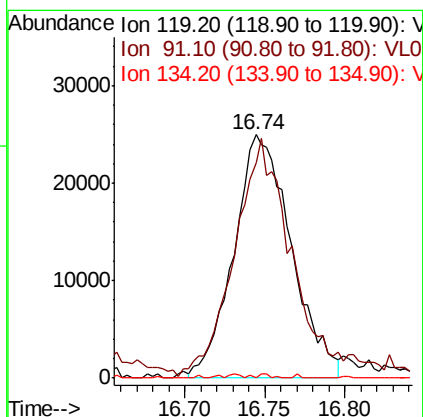
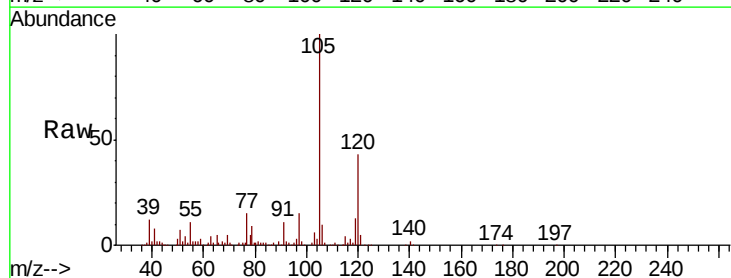
Instrument :
MSVOA_L
ClientSampleId :

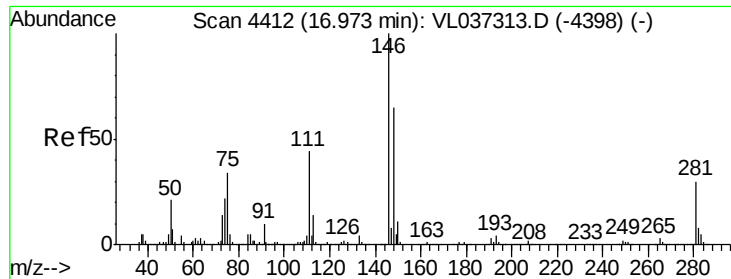
Tot Ion:120 Resp: 9297
Ion Ratio Lower Upper
120 100
91 1196.3 361.0 541.4#



#65
tert-Butylbenzene
Concen: 0.138 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. 0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion:119 Resp: 61646
Ion Ratio Lower Upper
119 100
91 102.1 58.6 88.0#
134 0.5 16.5 24.7#

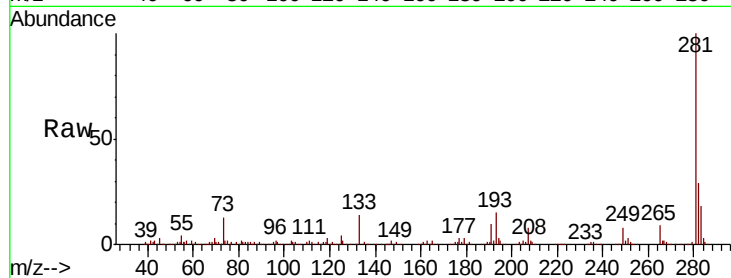




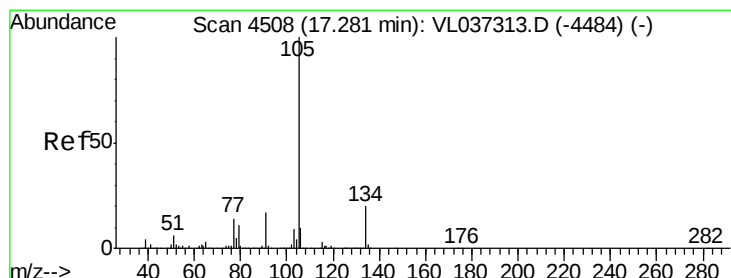
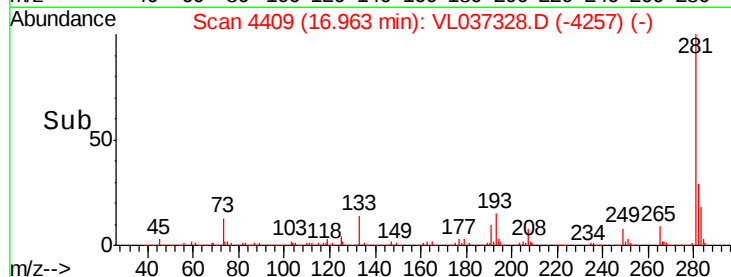
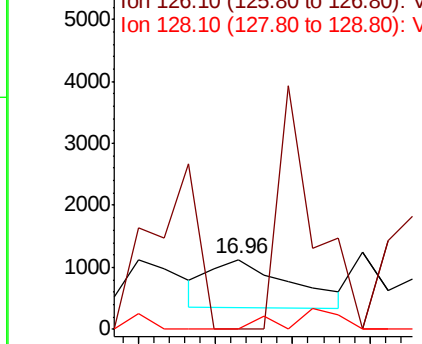
#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 16.96 min Scan# 4409
Delta R.T. -0.01 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 570
Ion Ratio Lower Upper
91 100
126 736.0 17.8 26.6#
128 0.0 5.8 8.6#

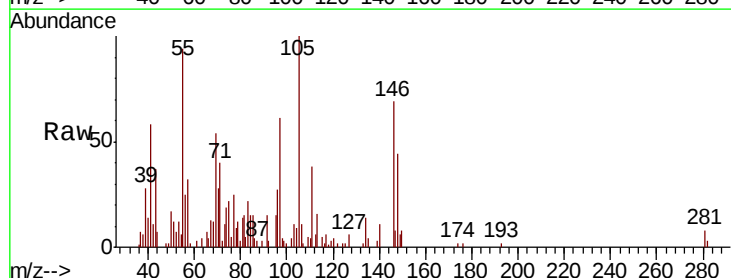


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

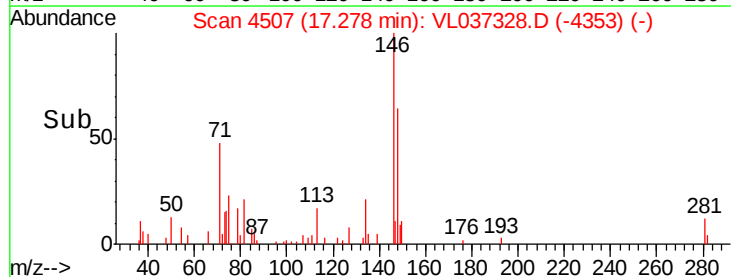
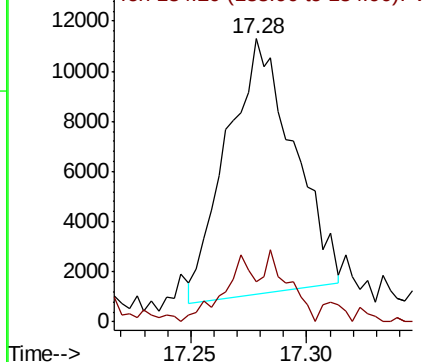


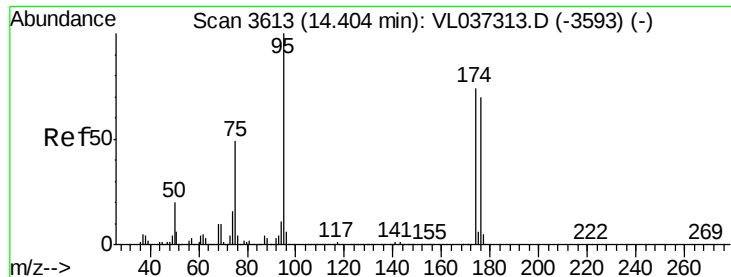
#67
sec-Butylbenzene
Concen: 0.034 ppbv
RT: 17.28 min Scan# 4507
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 105 Resp: 20497
Ion Ratio Lower Upper
105 100
134 25.7 15.4 23.2#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

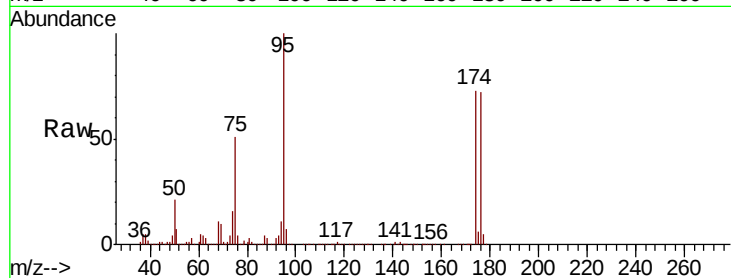




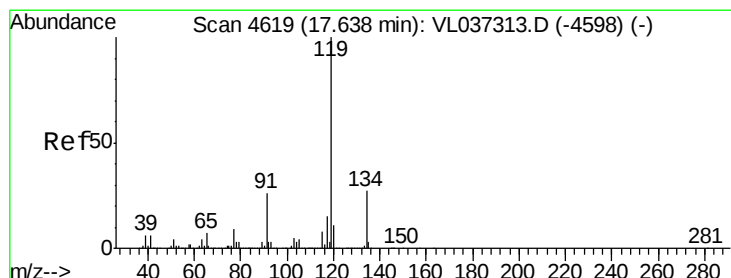
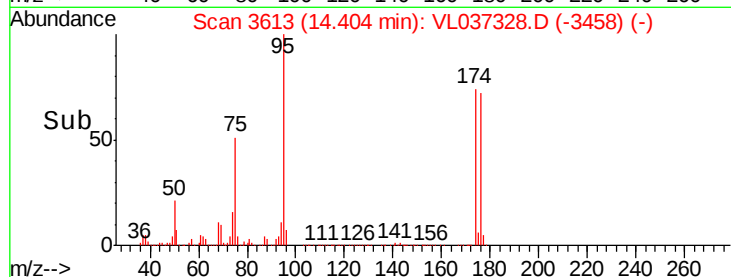
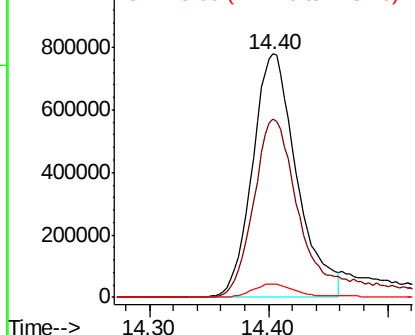
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.939 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2007334
 Ion Ratio Lower Upper
 95 100
 174 84.5 66.9 100.3
 175 6.4 5.1 7.7

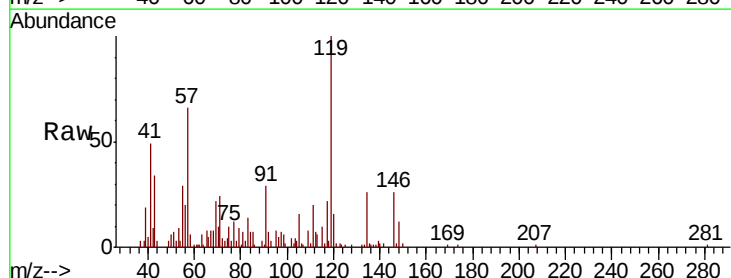


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

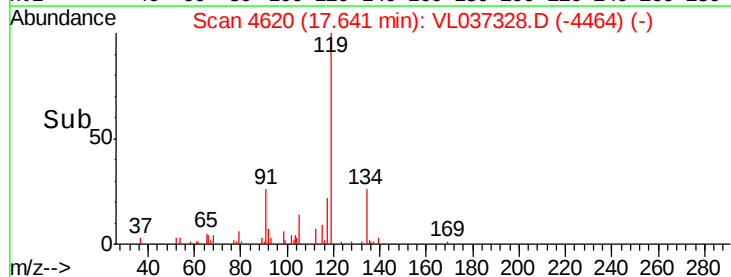
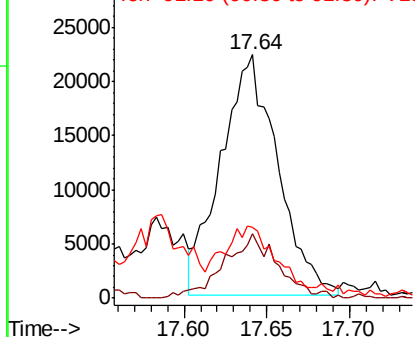


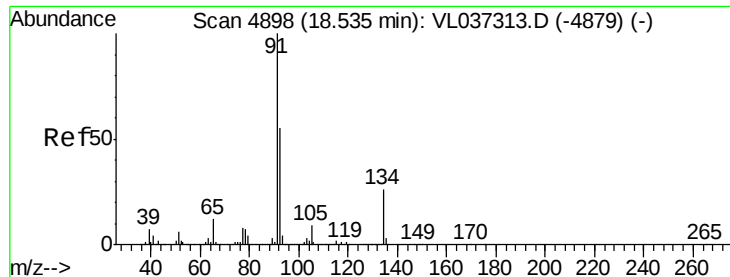
#69
 p-Isopropyltoluene
 Concen: 0.105 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

Tgt Ion: 119 Resp: 53064
 Ion Ratio Lower Upper
 119 100
 134 25.6 21.0 31.6
 91 29.1 20.5 30.7



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): VL0

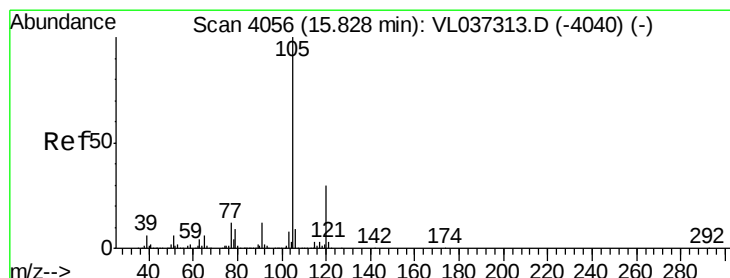
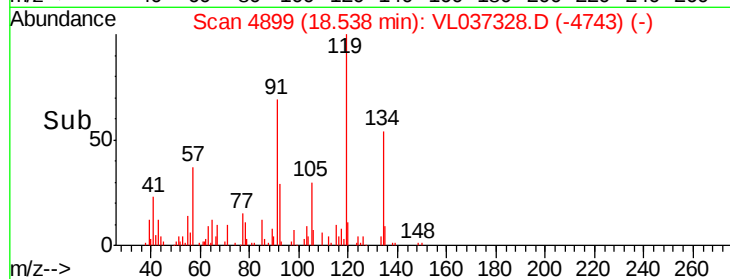
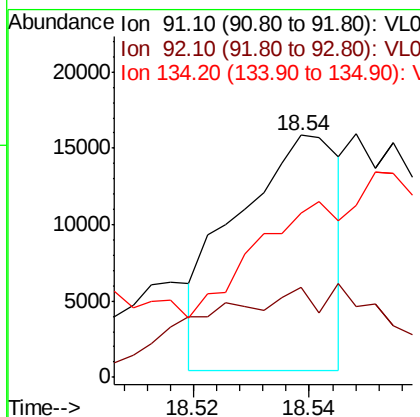
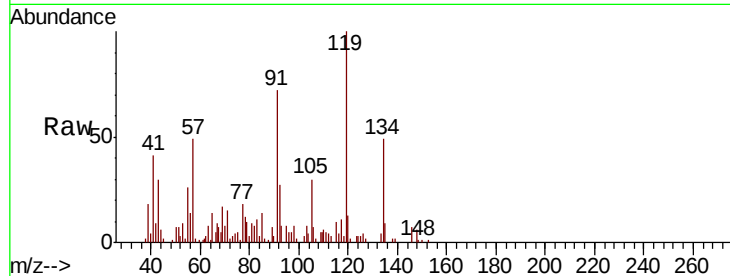




#70
n-Butylbenzene
Concen: 0.041 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. 0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

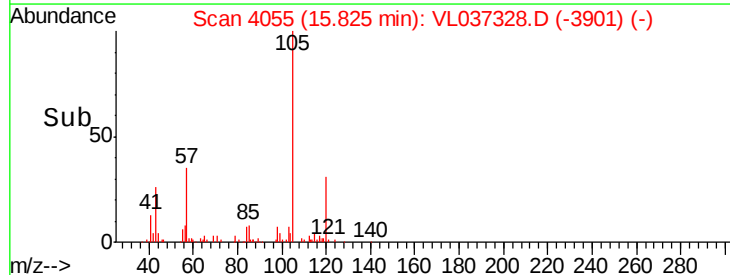
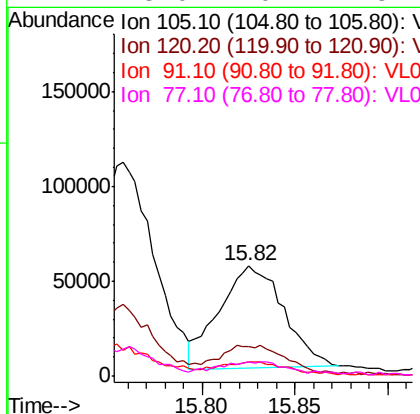
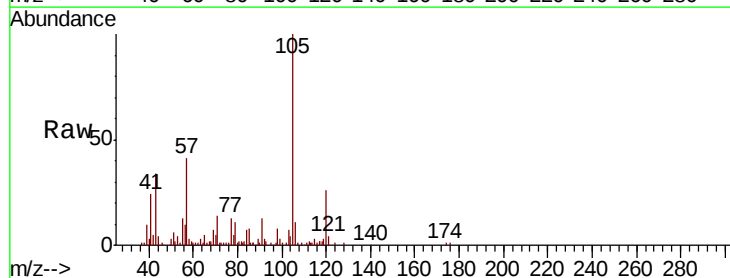
Instrument :
MSVOA_L
ClientSampled :

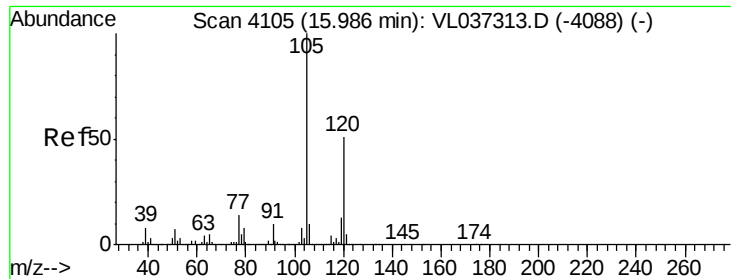
Tot Ion: 91 Resp: 19127
Ion Ratio Lower Upper
91 100
92 0.0 44.1 66.1#
134 0.0 20.6 31.0#



#72
4-Ethyltoluene
Concen: 0.326 ppbv
RT: 15.82 min Scan# 4055
Delta R.T. -0.00 min
Lab File: VL037328.D
Acq: 5 Aug 2021 4:44

Tgt Ion: 105 Resp: 130794
Ion Ratio Lower Upper
105 100
120 35.2 25.6 38.4
91 14.0 9.4 14.2
77 18.0 10.2 15.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.464 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

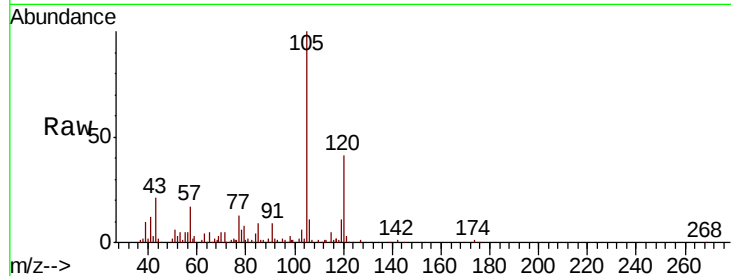
ClientSampleId :

Tot Ion:105 Resp: 167474

Ion Ratio Lower Upper

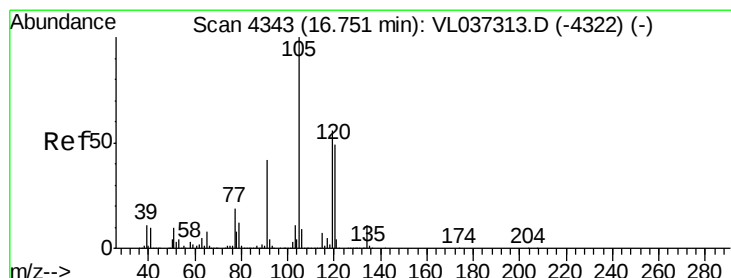
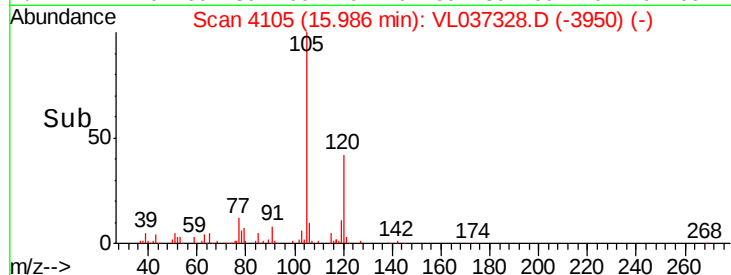
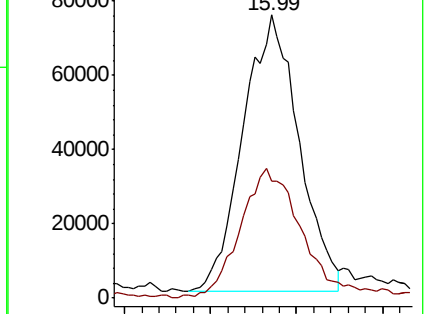
105 100

120 41.2 40.4 60.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 1.325 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.00 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Tgt Ion:105 Resp: 510369

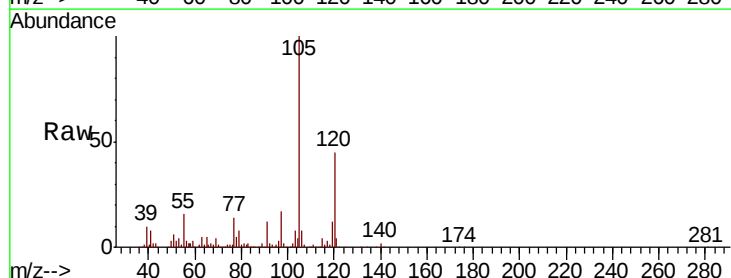
Ion Ratio Lower Upper

105 100

120 45.1 39.6 59.4

91 12.0 34.5 51.7#

77 13.0 15.3 22.9#

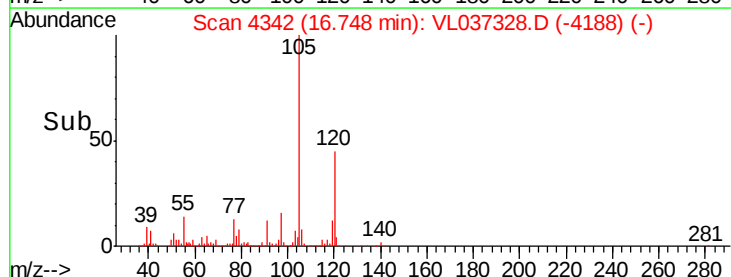
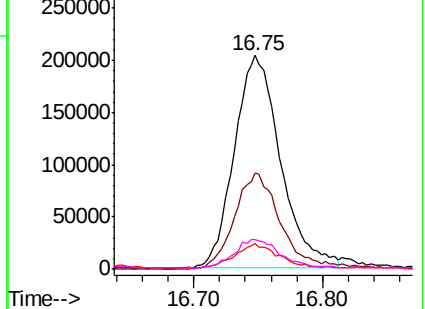


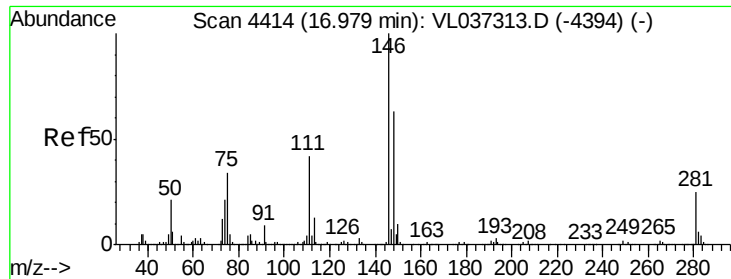
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



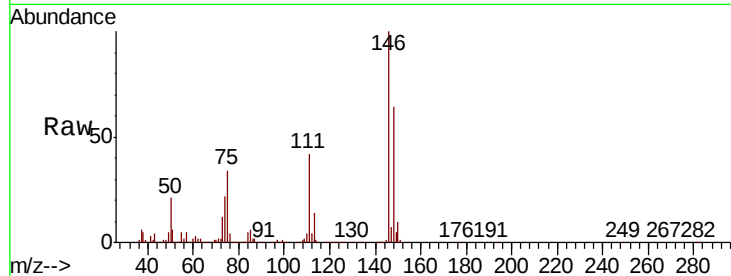


#75
 1,3-Dichlorobenzene
 Concen: 16.450 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.15 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

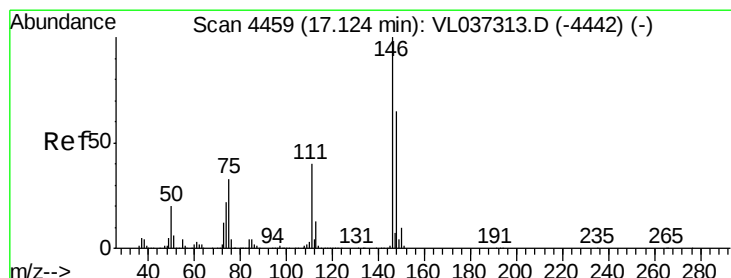
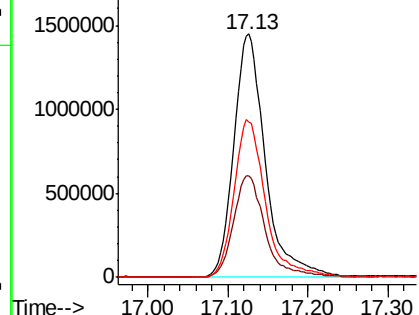
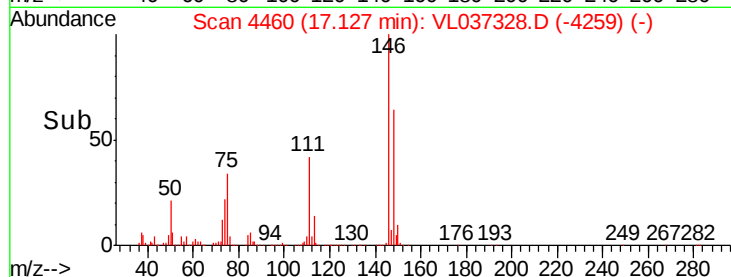
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 3894209

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	65.0	32.6	97.7



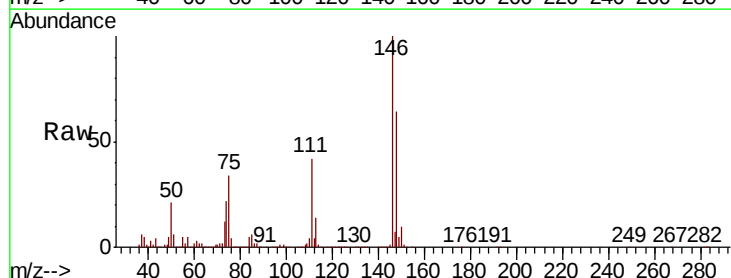
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



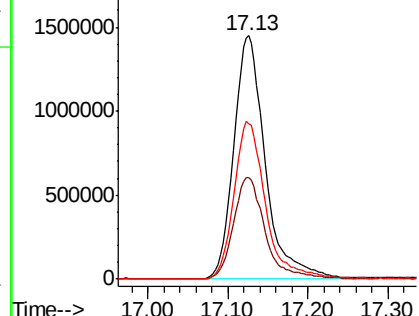
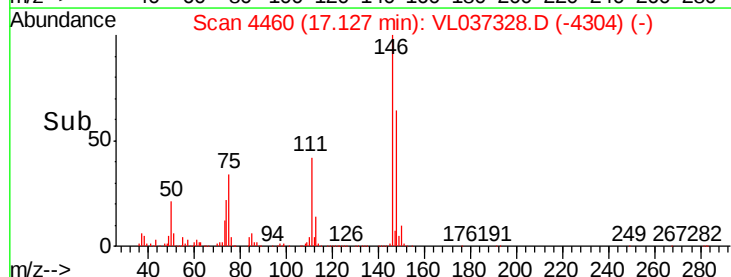
#76
 1,4-Dichlorobenzene
 Concen: 16.586 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.00 min
 Lab File: VL037328.D
 Acq: 5 Aug 2021 4:44

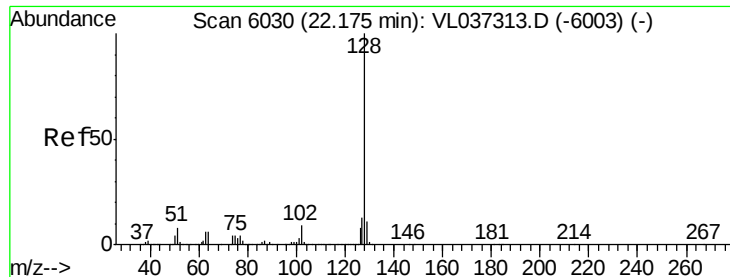
Tgt Ion:146 Resp: 3894209

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	65.0	33.5	100.4



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





#79

Naphthalene

Concen: 0.156 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. 0.01 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

Instrument :

MSVOA_L

ClientSampled :

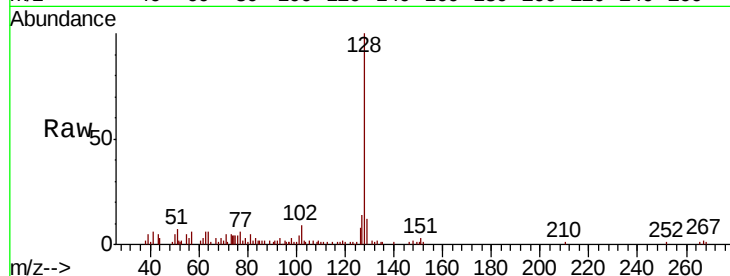
Tot Ion:128 Resp: 54974

Ion Ratio Lower Upper

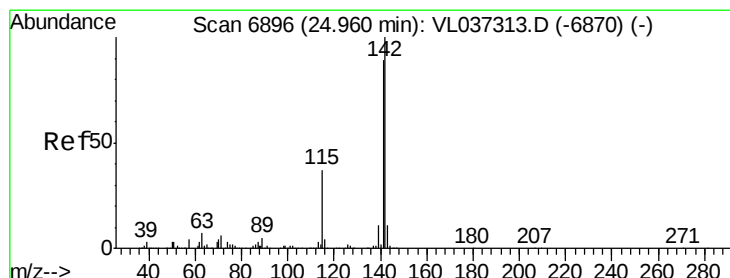
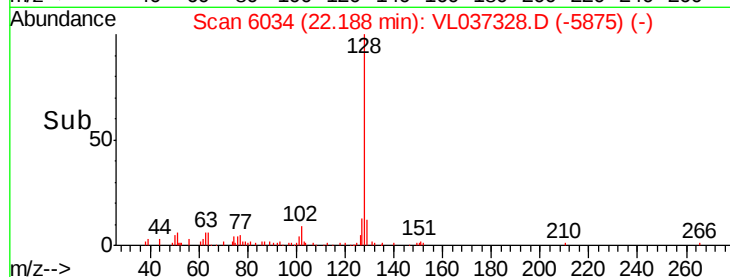
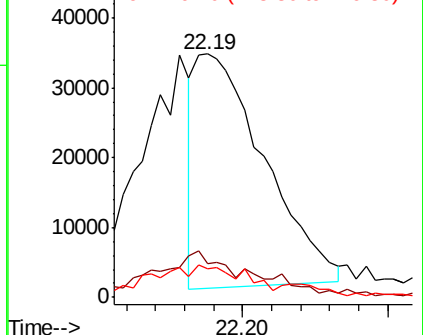
128 100

127 13.9 10.3 15.5

129 11.1 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.121 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL037328.D

Acq: 5 Aug 2021 4:44

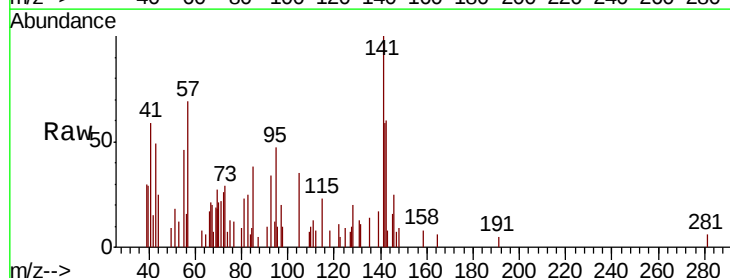
Tgt Ion:142 Resp: 6937

Ion Ratio Lower Upper

142 100

141 95.1 67.2 100.8

115 31.5 27.9 41.9



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

