

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037228.D
 Acq On : 22 Jun 2021 22:36
 Operator : SY/AP
 Sample : M2807-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1216188	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3501252	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3414306	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3262164	12.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	126.10%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.05	85	41778	0.198	ppbv	95
3) Chlorodifluoromethane	2.96	51	2610212	11.037	ppbv #	58
4) Chloromethane	3.14	50	46159	0.586	ppbv #	86
7) Chloroethane	3.55	64	5802	0.187	ppbv #	86
9) Propene	3.20	41	4489751	59.377	ppbv	94
10) Heptane	8.12	43	90515	0.494	ppbv	97
11) Trichlorofluoromethane	3.95	101	108379	0.480	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	10751	0.068	ppbv #	75
13) Ethanol	3.61	45	2360672	201.820	ppbv	47
15) Acetone	3.85	43	2004487	14.616	ppbv #	87
16) 1,3-Butadiene	3.30	39	12258669	151.196	ppbv #	16
17) tert-Butyl alcohol	4.31	59	132057	1.042	ppbv #	93
19) Isopropyl Alcohol	3.98	45	240975	2.901	ppbv #	1
20) Methylene Chloride	4.35	84	287305	3.499	ppbv	95
21) Allyl Chloride	4.36	41	8789	0.085	ppbv #	1
23) Vinyl Acetate	5.06	43	97050	0.494	ppbv #	9
24) 1,1-Dichloroethane	5.01	63	6441	0.041	ppbv #	94
25) Ethyl Acetate	5.69	43	363143	1.223	ppbv #	82
26) Hexane	5.69	57	455945	3.038	ppbv #	49
27) Carbon Disulfide	4.55	76	1284153	8.734	ppbv	98
29) Chloroform	5.75	83	376996	1.626	ppbv	92
30) Cyclohexane	7.14	84	36370	0.291	ppbv	86
34) 2-Butanone	5.25	43	136706	1.004	ppbv #	84
35) Carbon Tetrachloride	7.02	117	4821	0.021	ppbv #	79
36) Benzene	6.89	78	50684	0.179	ppbv #	92
39) 1,2-Dichloropropane	7.18	63	821517	7.809	ppbv #	23
41) Tetrahydrofuran	6.06	42	23587	0.373	ppbv #	63
42) Bromodichloromethane	7.79	83	5426	0.024	ppbv #	70
43) Methyl Methacrylate	8.01	69	153828	1.573	ppbv #	30
44) 2,2,4-Trimethylpentane	7.87	57	92598	0.194	ppbv #	36
50) 4-Methyl-2-Pentanone	8.75	43	30308	0.162	ppbv #	39
51) 2-Hexanone	10.15	43	3117	0.034	ppbv #	1
52) Tetrachloroethene	11.22	164	4078	0.031	ppbv #	29
53) Toluene	9.81	91	1290262	3.815	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.71	131	13460	0.090	ppbv #	1
57) Chlorobenzene	12.14	112	18564	0.067	ppbv #	25
58) Ethyl Benzene	12.71	91	100899	0.215	ppbv	90
59) m/p-Xylene	13.00	91	109811	0.276	ppbv #	30
60) o-Xylene	13.69	91	148461	0.391	ppbv	96
61) Styrene	13.53	104	20539	0.105	ppbv #	1
62) Isopropylbenzene	14.66	105	27389	0.051	ppbv #	48

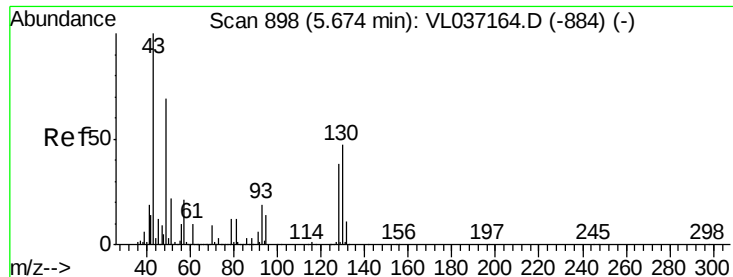
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037228.D
 Acq On : 22 Jun 2021 22:36
 Operator : SY/AP
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 Misc : 400mL/MSVOA L
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Quant Time: Jun 23 01:43:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	13.78	83	271123	1.074	ppbv #	50
64) n-propylbenzene	15.56	120	6477	0.048	ppbv #	1
65) tert-Butylbenzene	16.76	119	40760	0.085	ppbv #	71
66) Benzyl Chloride	16.99	91	1613	0.080	ppbv #	63
67) sec-Butylbenzene	17.29	105	13355	0.021	ppbv #	57
69) p-Isopropyltoluene	17.65	119	419817	0.779	ppbv #	87
71) 2-Chlorotoluene	15.46	91	9308	0.025	ppbv #	1
72) 4-Ethyltoluene	15.84	105	28546	0.066	ppbv #	1
73) 1,3,5-Trimethylbenzene	16.00	105	49455	0.119	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	165117	0.385	ppbv #	67
79) Naphthalene	22.20	128	10910	0.030	ppbv #	82

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

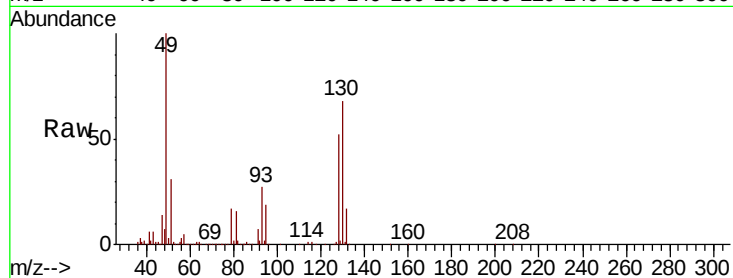
Tot Ion: 49 Resp: 1216188

Ion Ratio Lower Upper

49 100

128 56.2 29.3 88.0

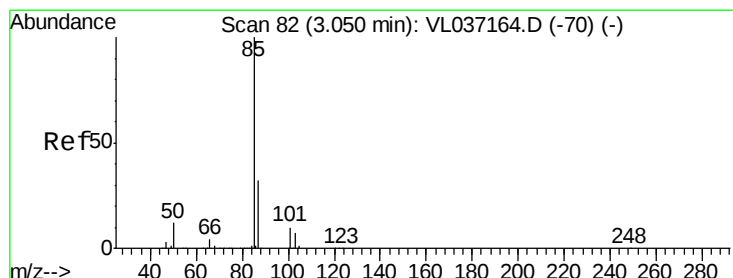
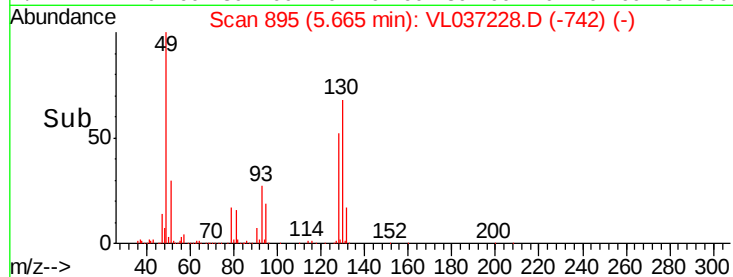
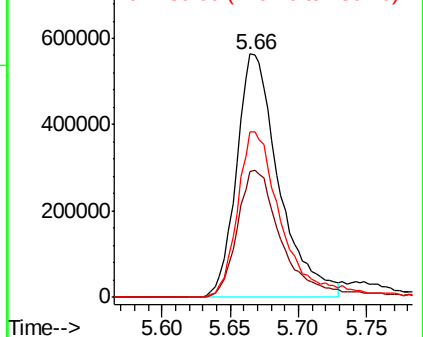
130 73.0 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.198 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037228.D

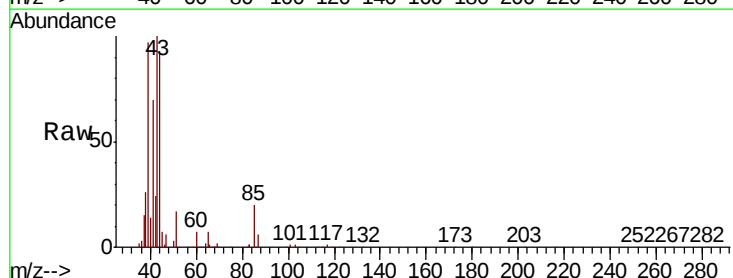
Acq: 22 Jun 2021 22:36

Tgt Ion: 85 Resp: 41778

Ion Ratio Lower Upper

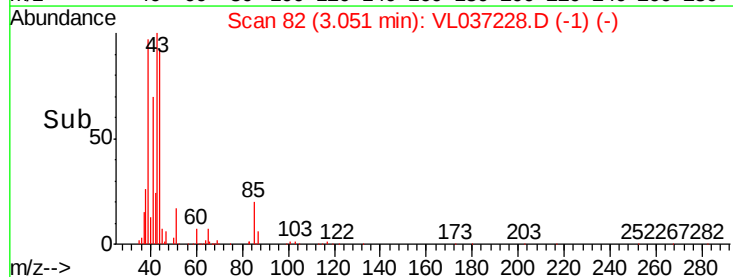
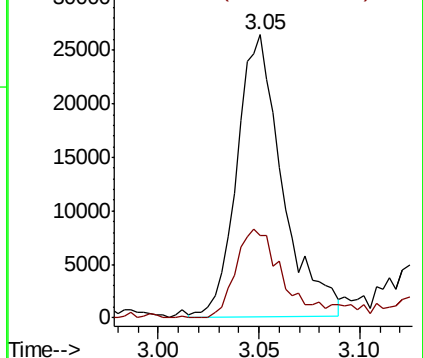
85 100

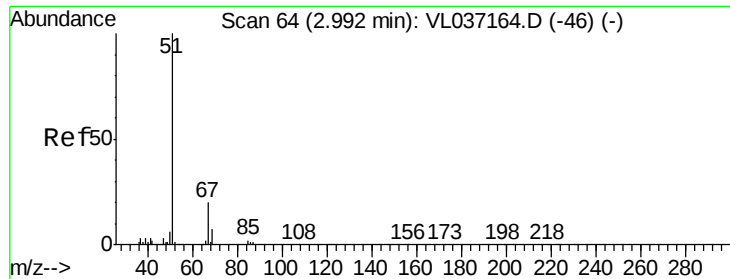
87 29.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.037 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

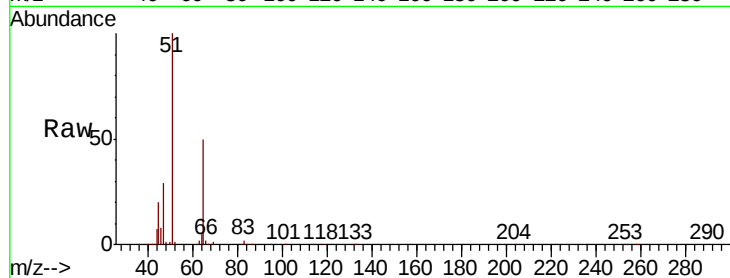
ClientSampleId :

Tot Ion: 51 Resp: 2610212

Ion Ratio Lower Upper

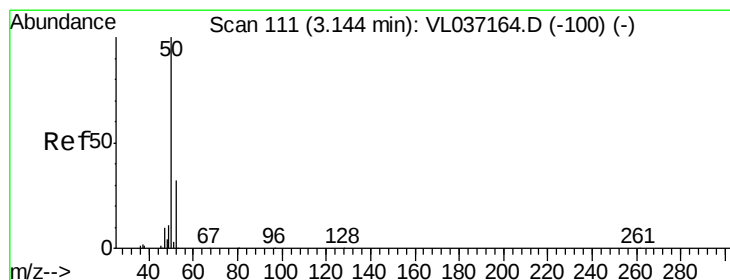
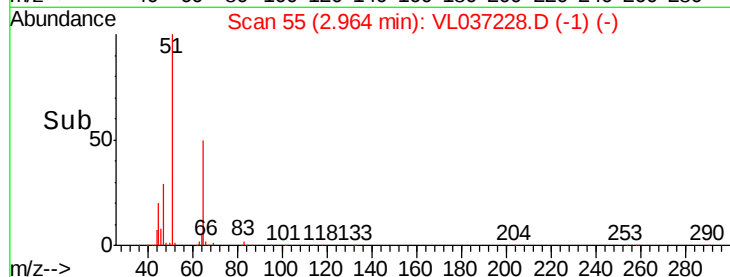
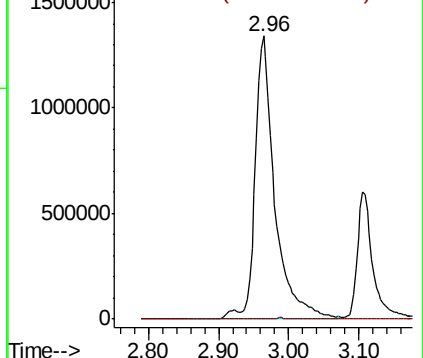
51 100

67 0.4 15.8 23.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.586 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL037228.D

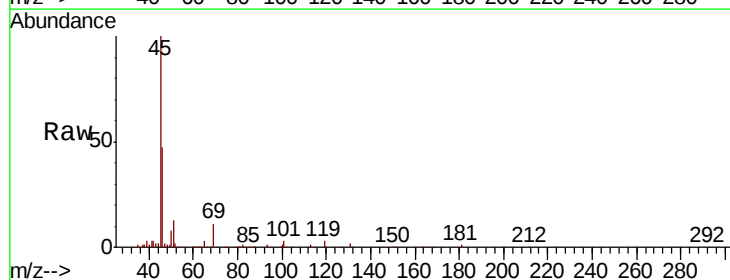
Acq: 22 Jun 2021 22:36

Tgt Ion: 50 Resp: 46159

Ion Ratio Lower Upper

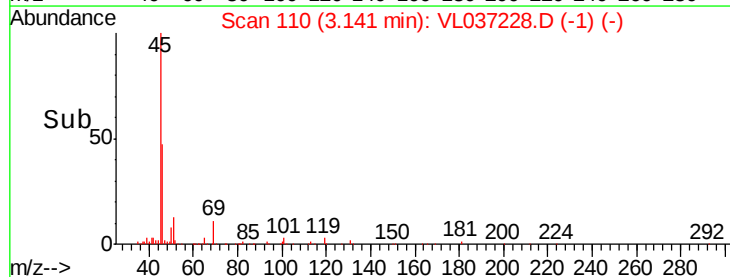
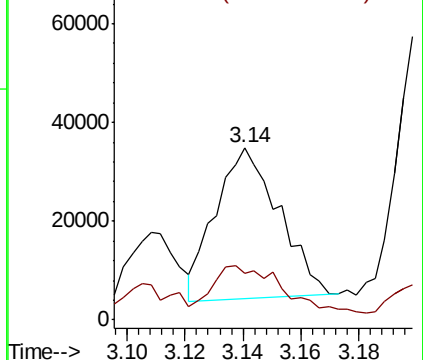
50 100

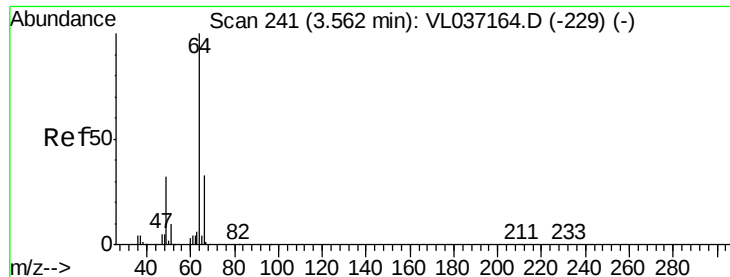
52 24.4 25.8 38.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.187 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

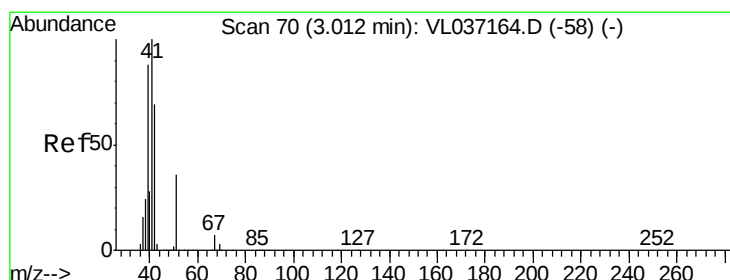
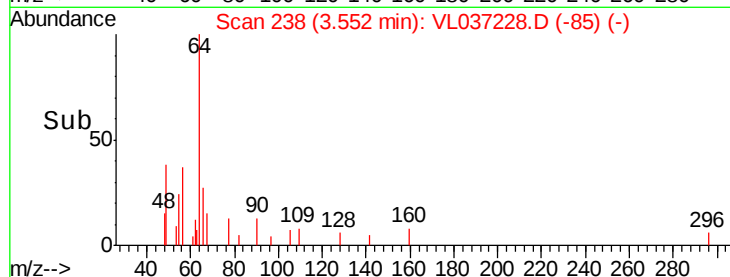
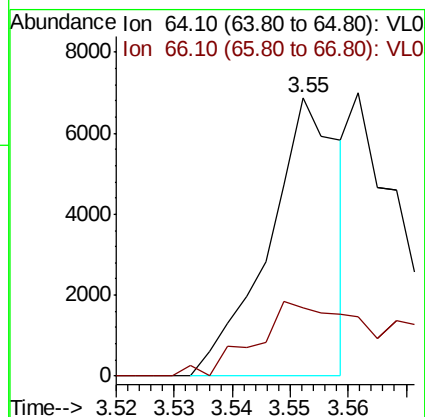
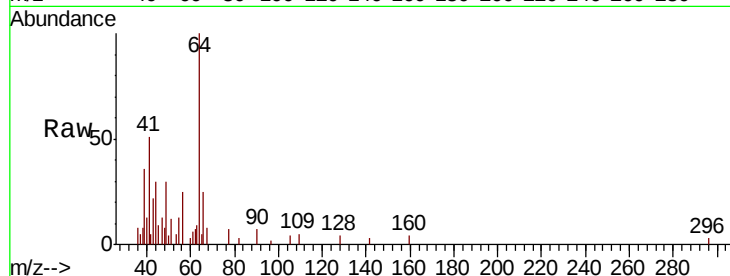
ClientSampleId :

Tot Ion: 64 Resp: 5802

Ion Ratio Lower Upper

64 100

66 24.6 26.2 39.4#



#9

Propene

Concen: 59.377 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL037228.D

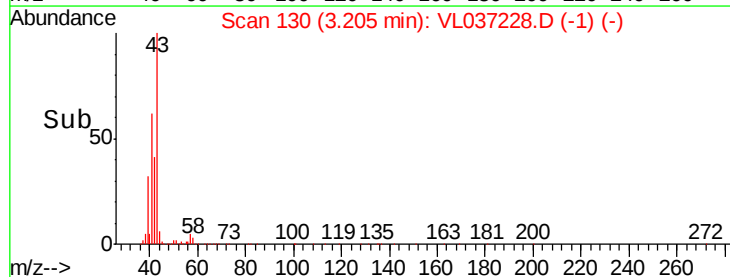
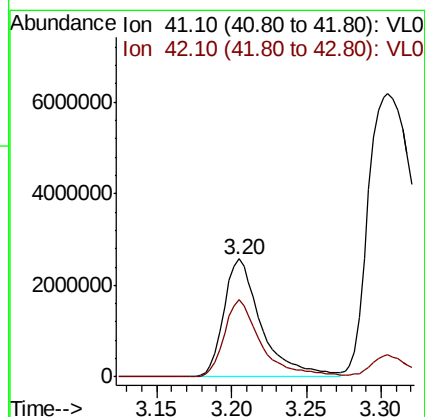
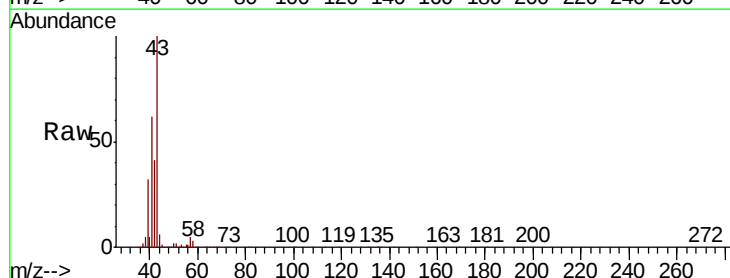
Acq: 22 Jun 2021 22:36

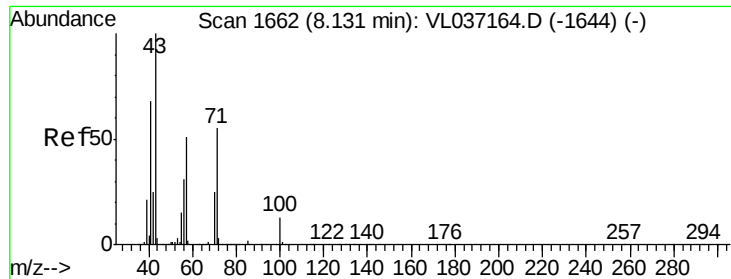
Tgt Ion: 41 Resp: 4489751

Ion Ratio Lower Upper

41 100

42 62.9 54.5 81.7

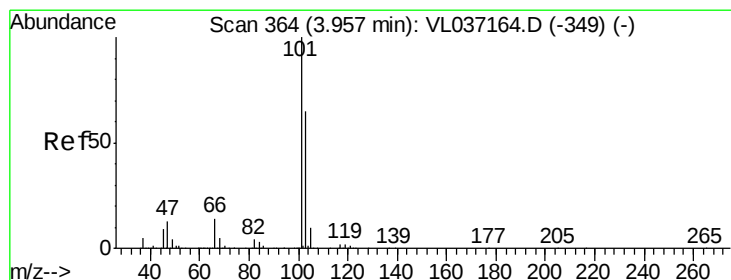
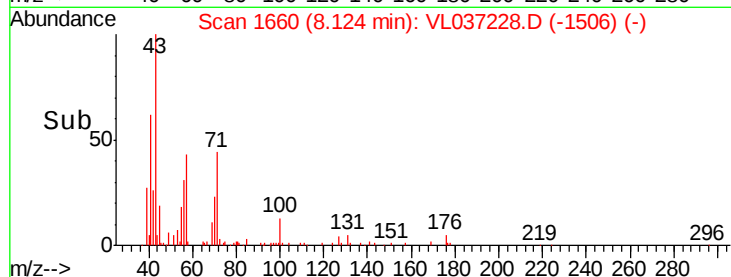
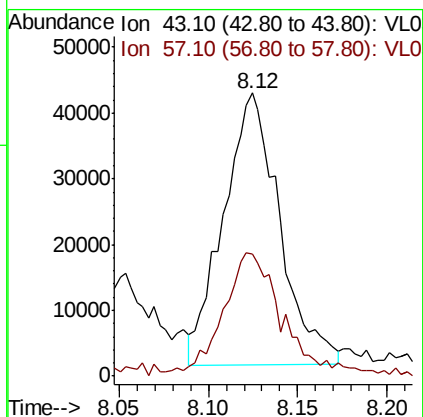
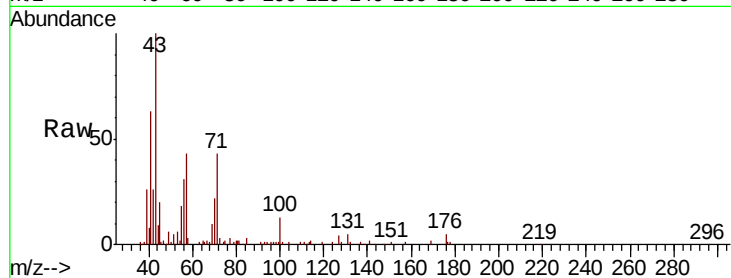




#10
Heptane
Concen: 0.494 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

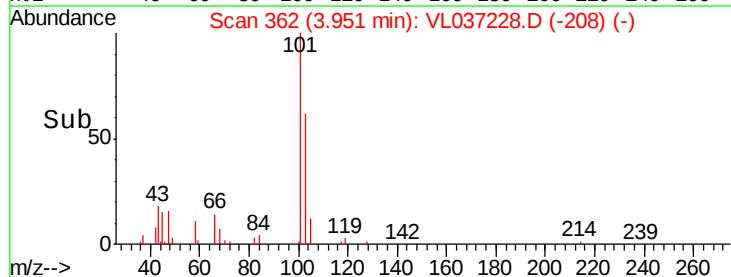
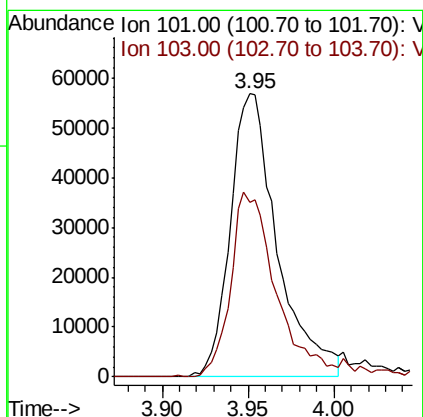
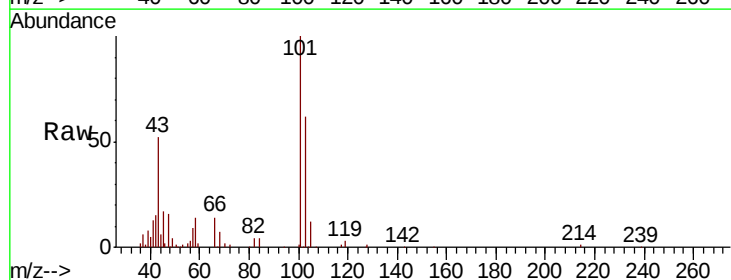
Instrument :
MSVOA_L
ClientSampleId :

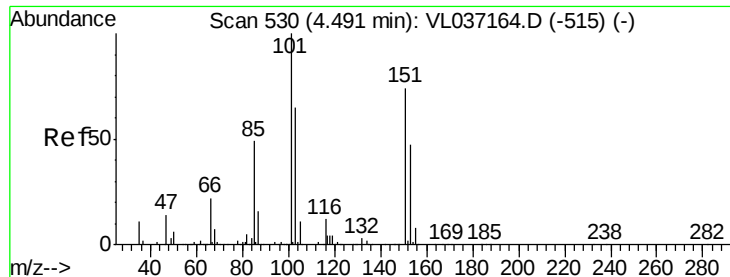
Tot Ion: 43 Resp: 90515
Ion Ratio Lower Upper
43 100
57 48.4 40.6 61.0



#11
Trichlorofluoromethane
Concen: 0.480 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 101 Resp: 108379
Ion Ratio Lower Upper
101 100
103 61.8 52.2 78.4





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.068 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

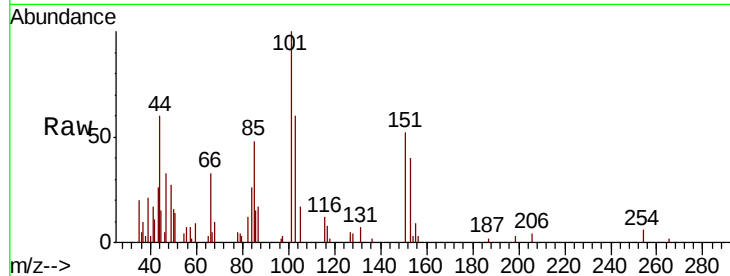
ClientSampleId :

Tot Ion:101 Resp: 10751

Ion Ratio Lower Upper

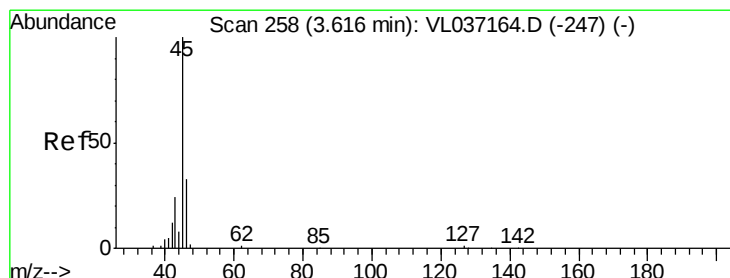
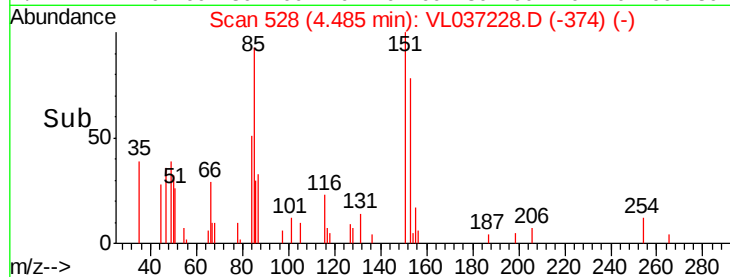
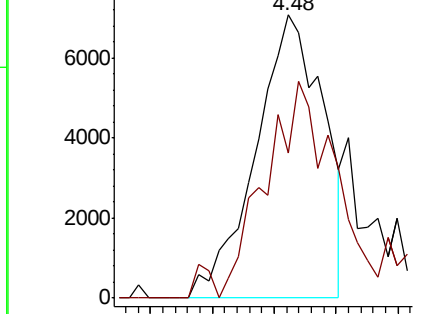
101 100

151 95.2 59.1 88.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 201.820 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.01 min

Lab File: VL037228.D

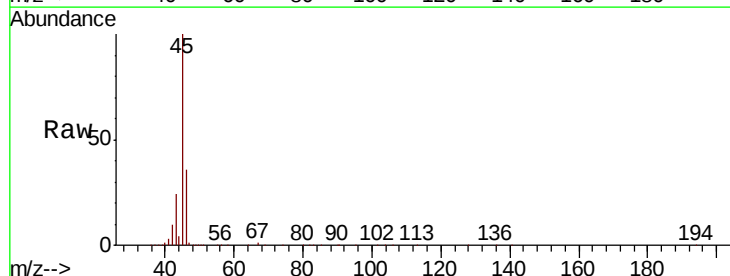
Acq: 22 Jun 2021 22:36

Tgt Ion: 45 Resp: 2360672

Ion Ratio Lower Upper

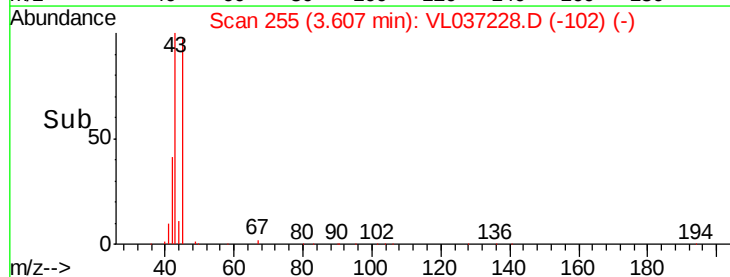
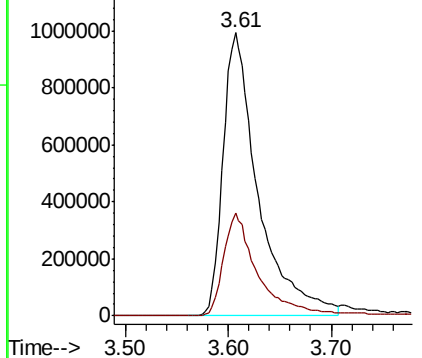
45 100

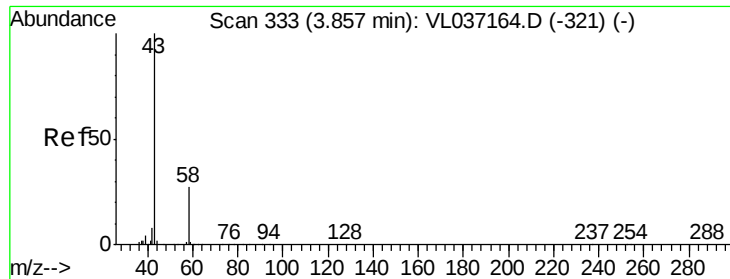
46 36.8 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 14.616 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

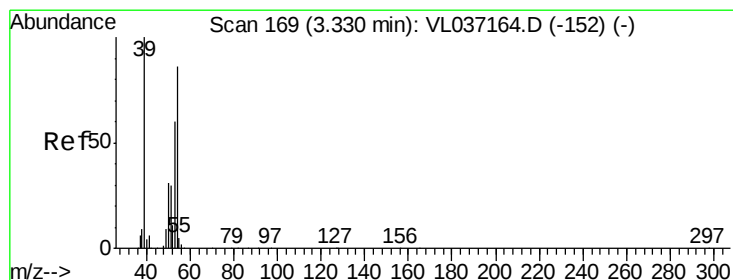
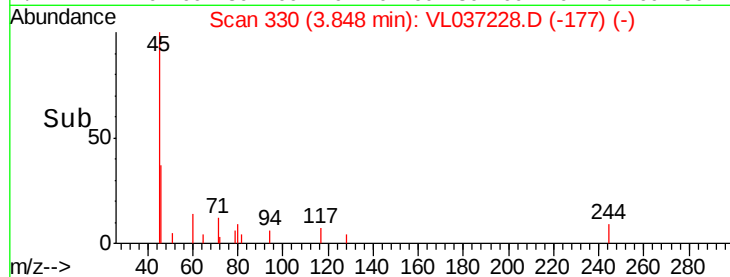
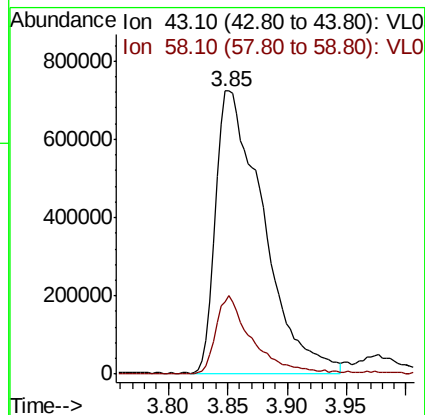
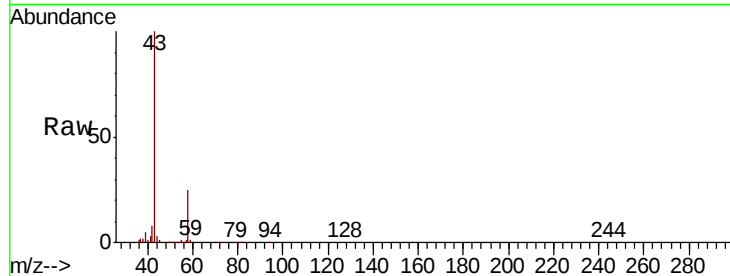
ClientSampleId :

Tot Ion: 43 Resp: 2004487

Ion Ratio Lower Upper

43 100

58 22.6 23.7 35.5#



#16

1,3-Butadiene

Concen: 151.196 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL037228.D

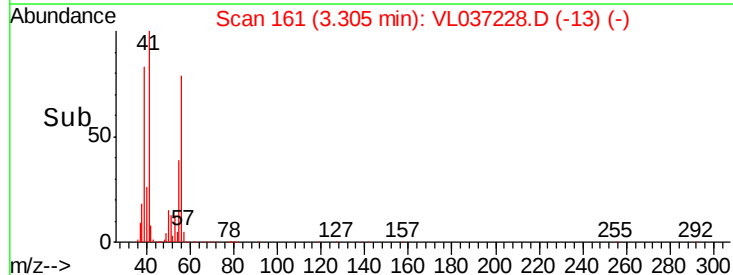
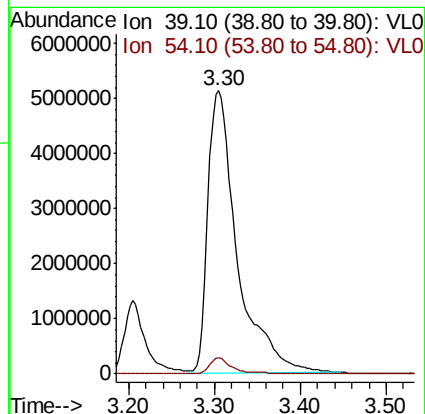
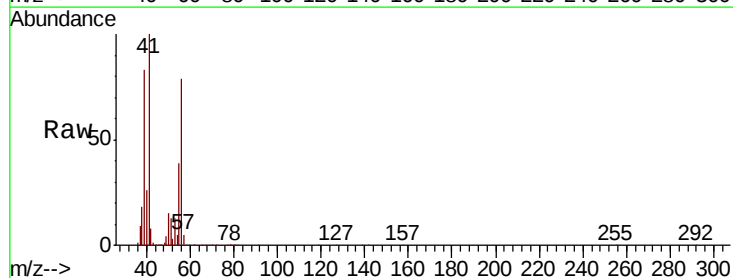
Acq: 22 Jun 2021 22:36

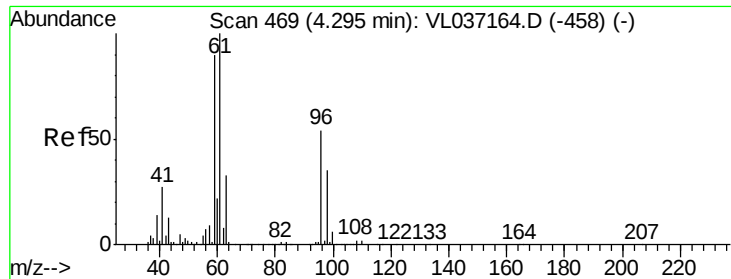
Tgt Ion: 39 Resp: 12258669

Ion Ratio Lower Upper

39 100

54 4.5 61.2 91.8#



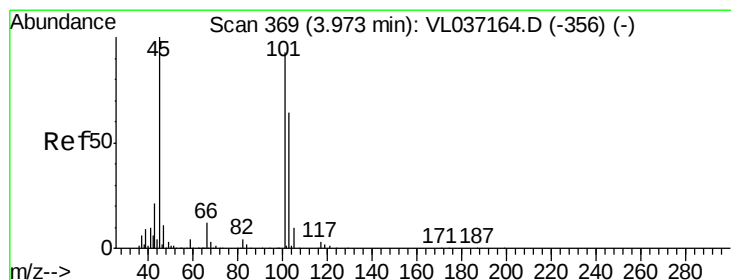
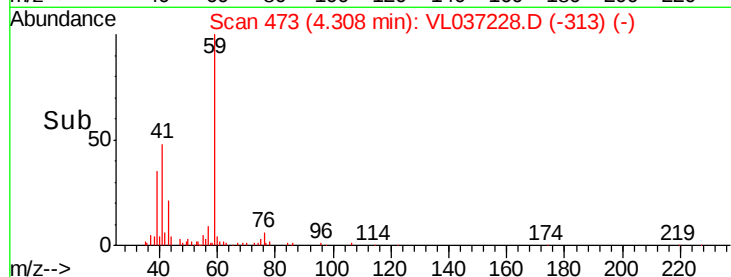
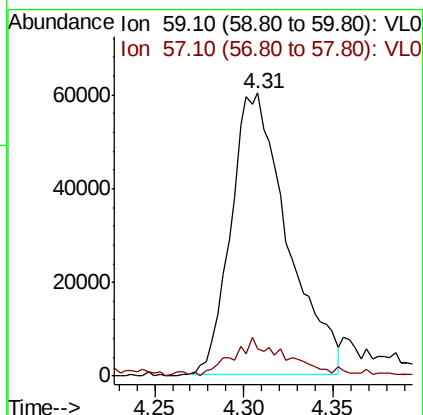
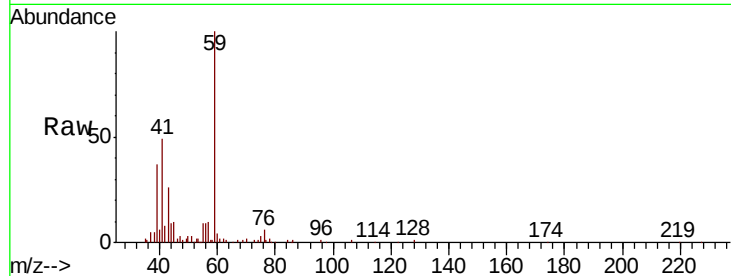


#17

tert-Butyl alcohol
Concen: 1.042 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Instrument :
MSVOA_L
ClientSampleId :

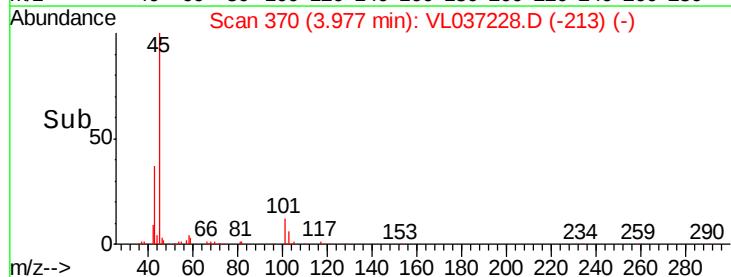
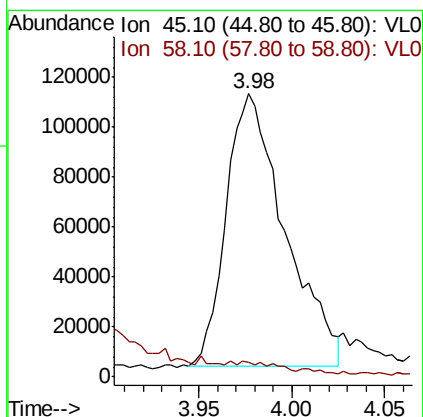
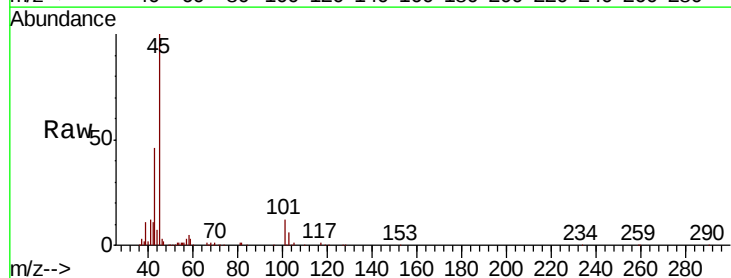
Tot Ion: 59 Resp: 132057
Ion Ratio Lower Upper
59 100
57 13.6 8.8 13.2#

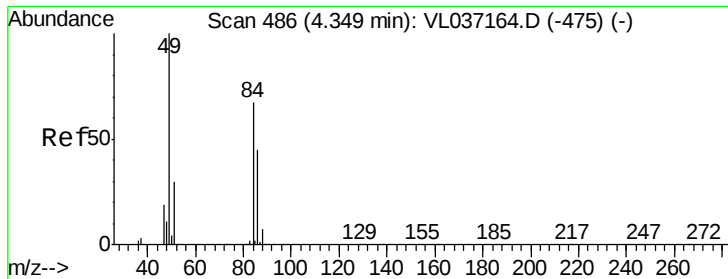


#19

Isopropyl Alcohol
Concen: 2.901 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 45 Resp: 240975
Ion Ratio Lower Upper
45 100
58 188.3 2.4 3.6#

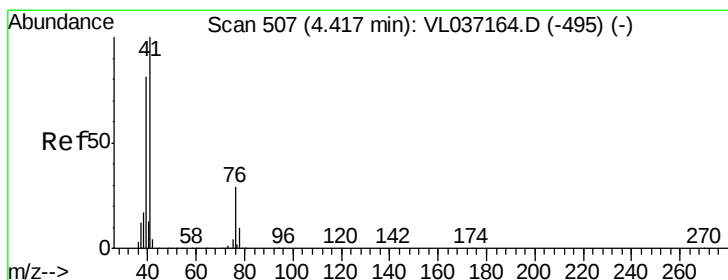
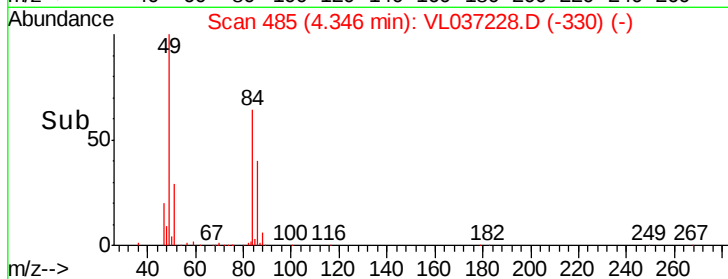
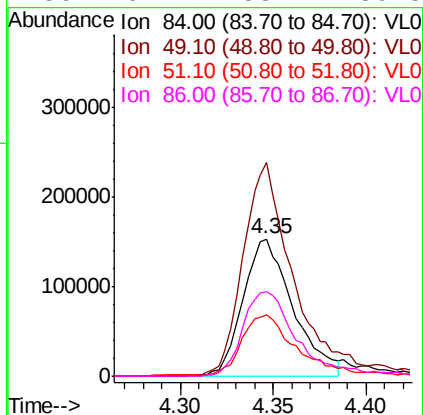
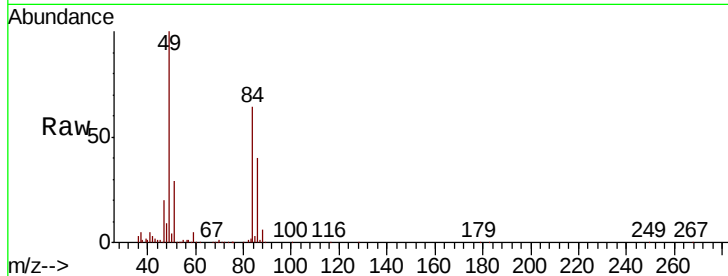




#20
Methylene Chloride
Concen: 3.499 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

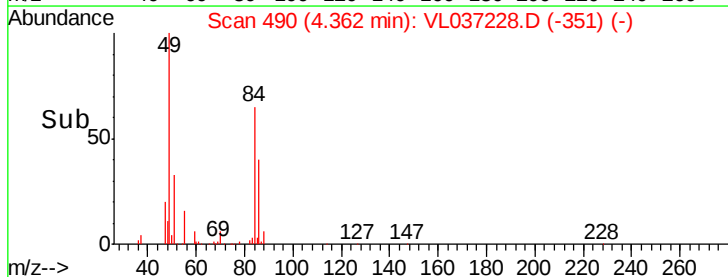
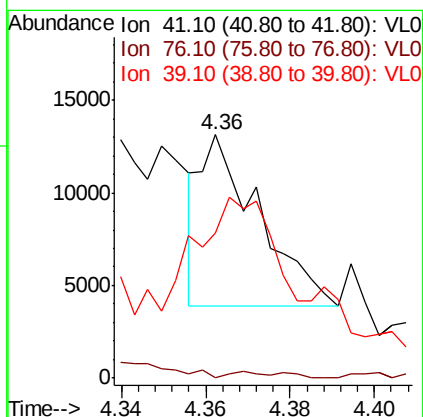
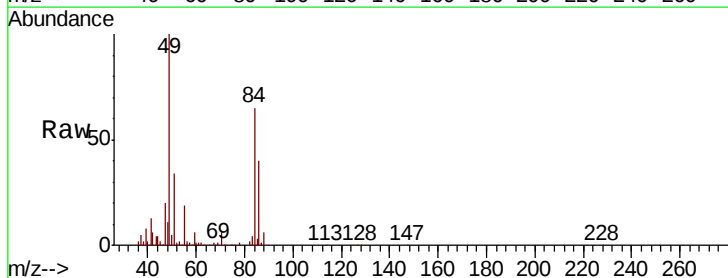
Instrument :
MSVOA_L
ClientSampled :

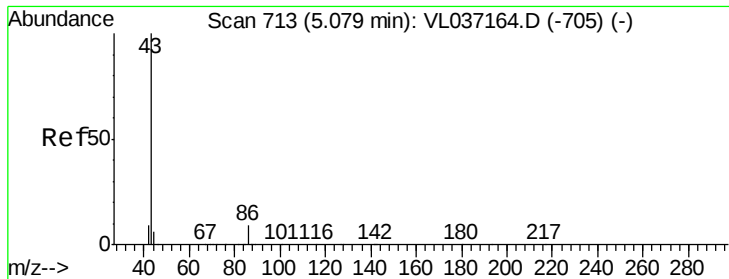
Tot Ion:	84	Resp:	287305
Ion	Ratio	Lower	Upper
84	100		
49	154.8	119.7	179.5
51	43.8	36.1	54.1
86	61.4	53.7	80.5



#21
Allyl Chloride
Concen: 0.085 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.05 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion:	41	Resp:	8789
Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.6	37.0#
39	211.8	65.4	98.0#

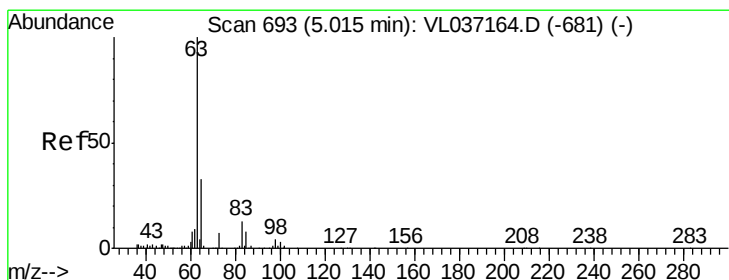
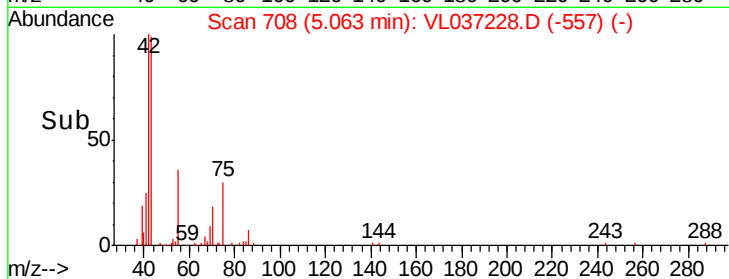
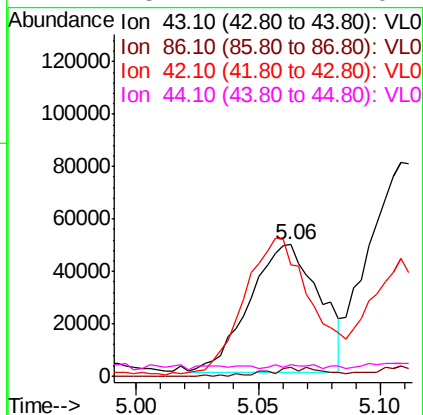
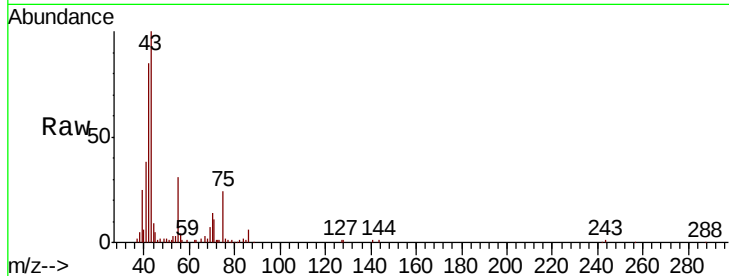




#23
 Vinyl Acetate
 Concen: 0.494 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VL037228.D
 Acq: 22 Jun 2021 22:36

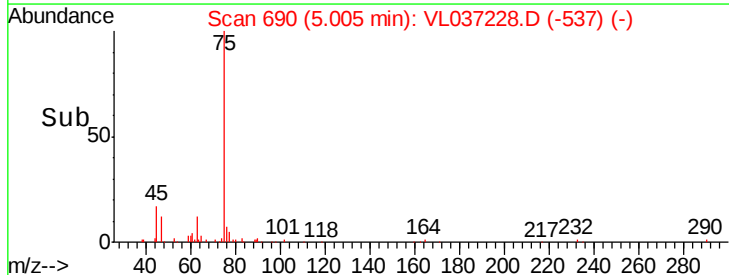
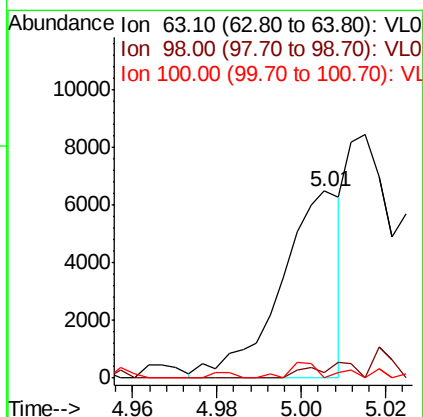
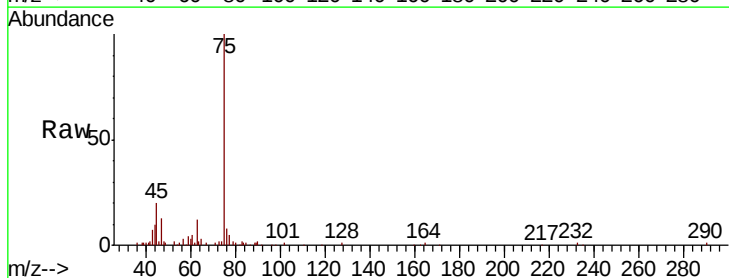
Instrument :
 MSVOA_L
 ClientSampleId :

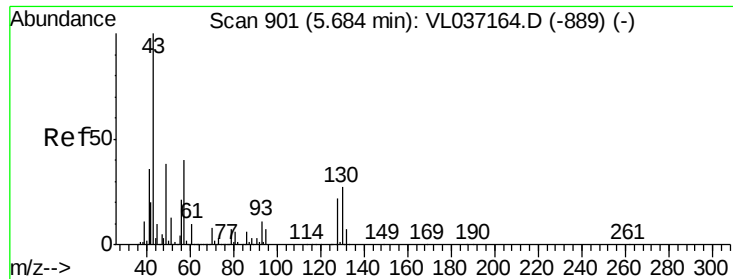
Tot Ion:	43	Resp:	97050
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.8
42	84.8	8.2	12.2#
44	3.7	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.041 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VL037228.D
 Acq: 22 Jun 2021 22:36

Tgt Ion:	63	Resp:	6441
Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.1	6.5
100	0.0	1.4	4.0#

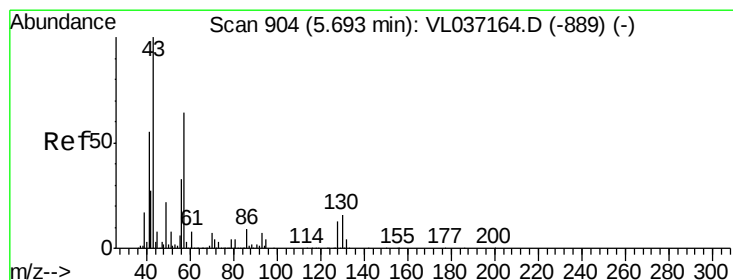
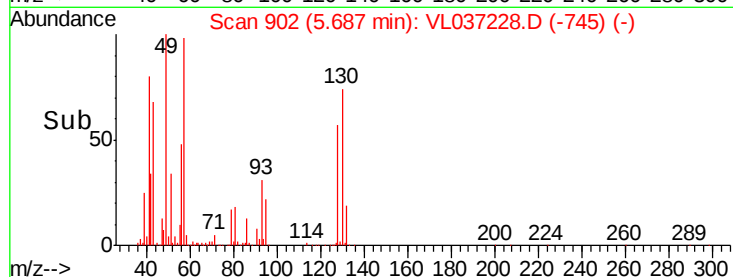
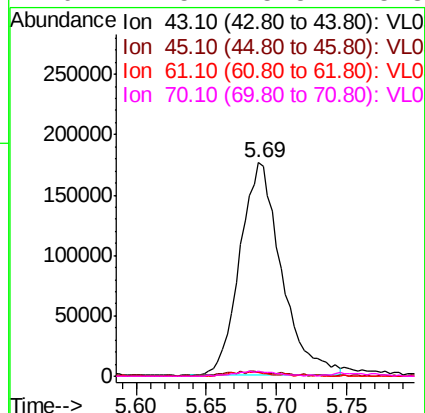
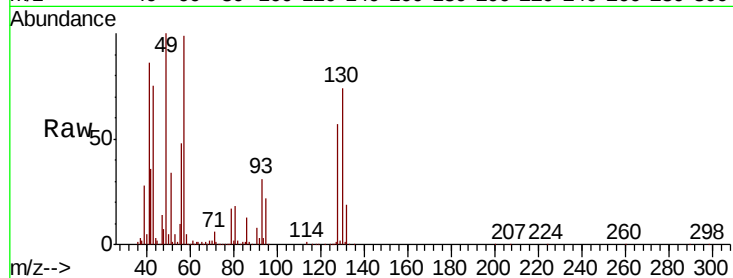




#25
Ethyl Acetate
Concen: 1.223 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

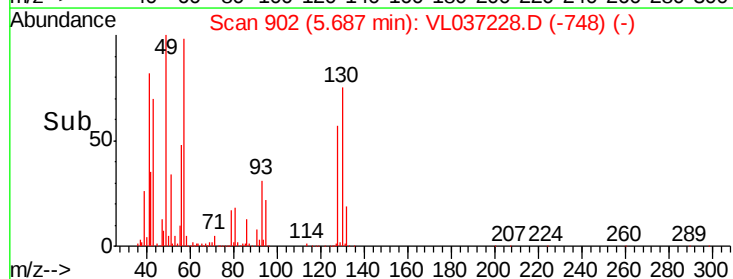
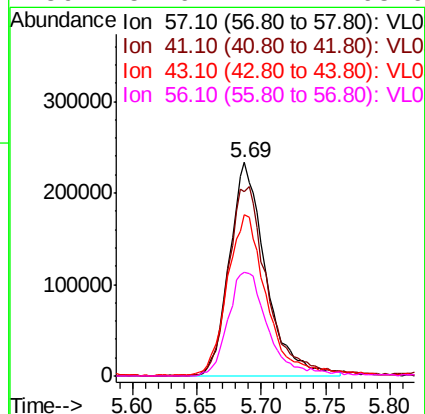
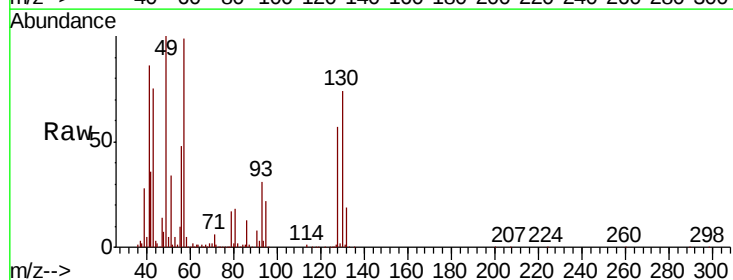
Instrument :
MSVOA_L
ClientSampled :

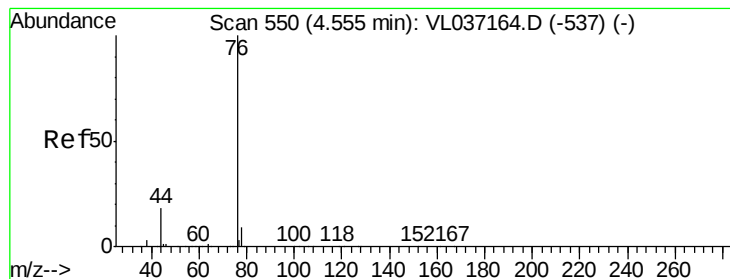
Tot Ion:	43	Resp:	363143
Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.0	12.0#
61	2.3	8.1	12.1#
70	2.5	5.5	8.3#



#26
Hexane
Concen: 3.038 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion:	57	Resp:	455945
Ion	Ratio	Lower	Upper
57	100		
41	96.4	73.5	110.3
43	82.5	170.7	256.1#
56	54.6	42.4	63.6





#27

Carbon Disulfide

Concen: 8.734 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

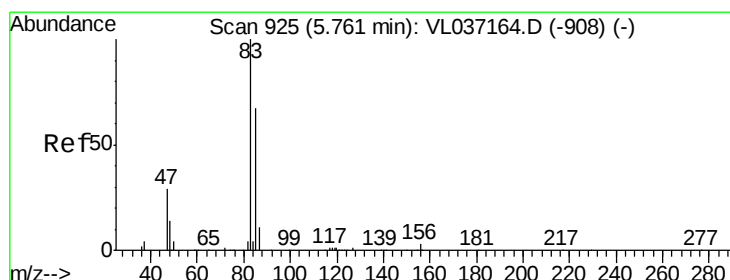
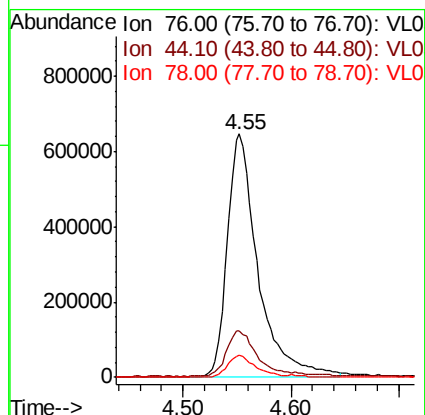
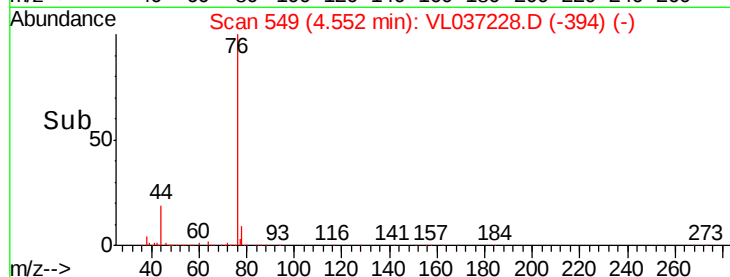
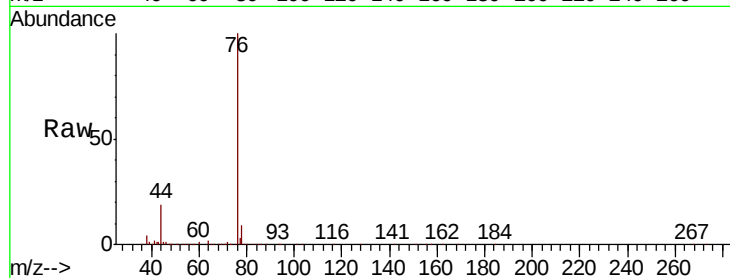
Tot Ion: 76 Resp: 1284153

Ion Ratio Lower Upper

76 100

44 20.5 15.4 23.2

78 9.3 8.0 12.0



#29

Chloroform

Concen: 1.626 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL037228.D

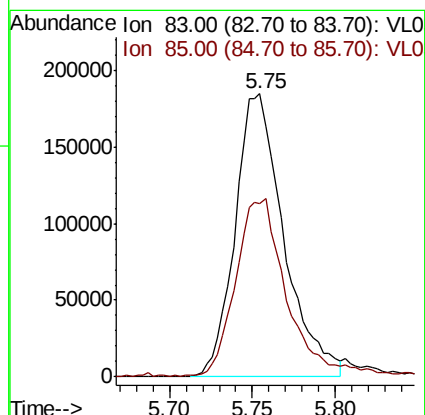
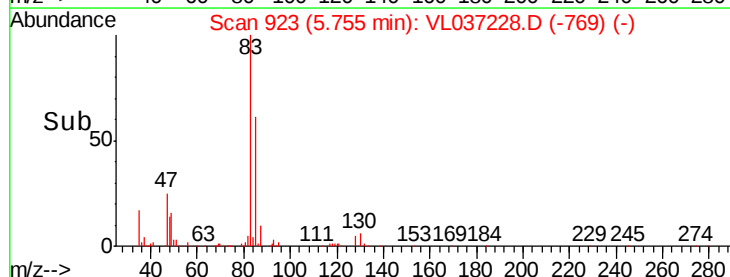
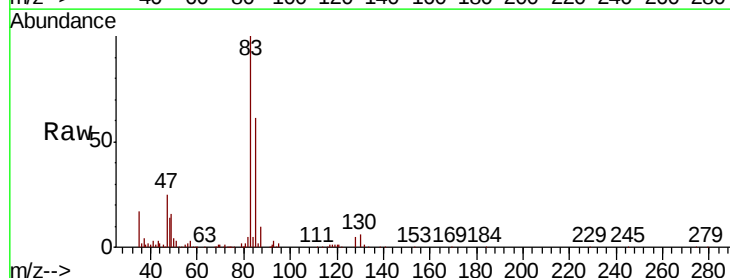
Acq: 22 Jun 2021 22:36

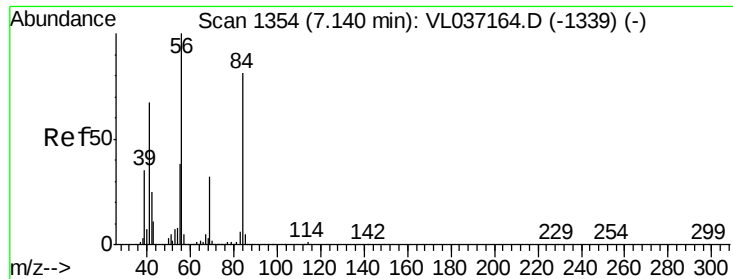
Tgt Ion: 83 Resp: 376996

Ion Ratio Lower Upper

83 100

85 60.6 53.6 80.4

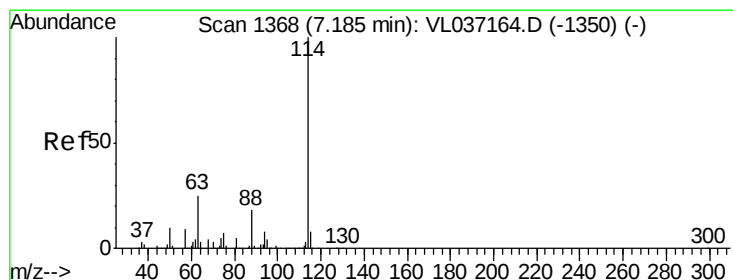
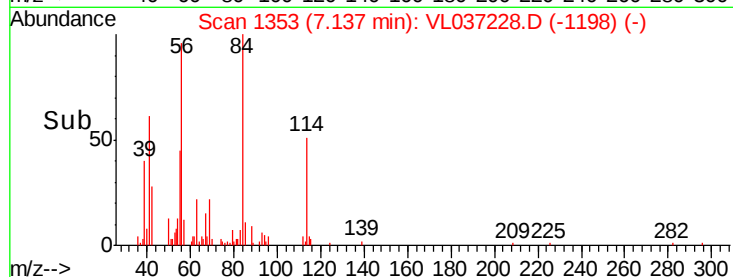
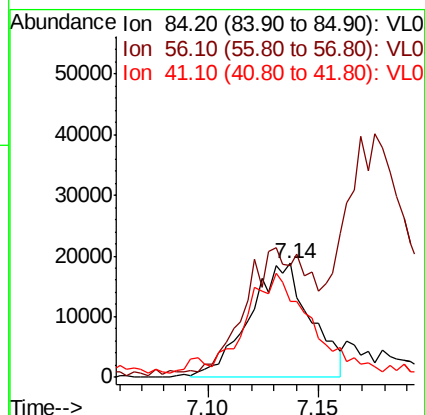
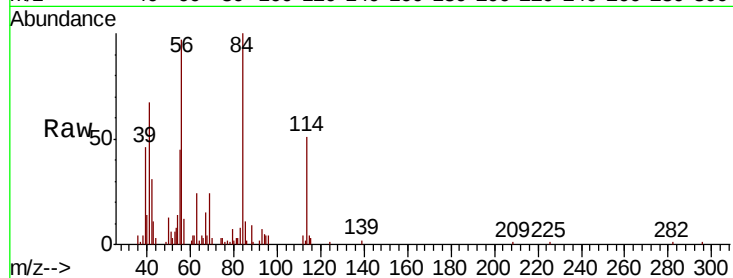




#30
Cvclohexane
Concen: 0.291 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

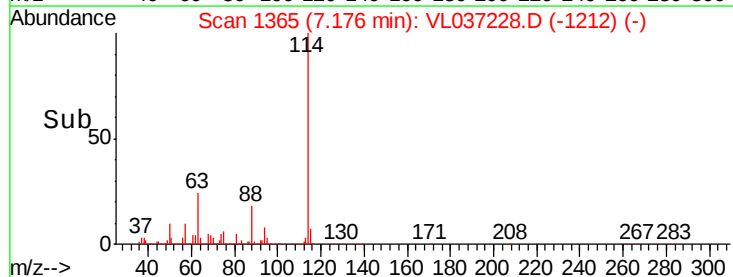
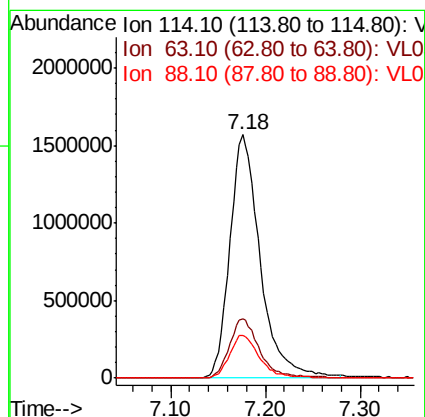
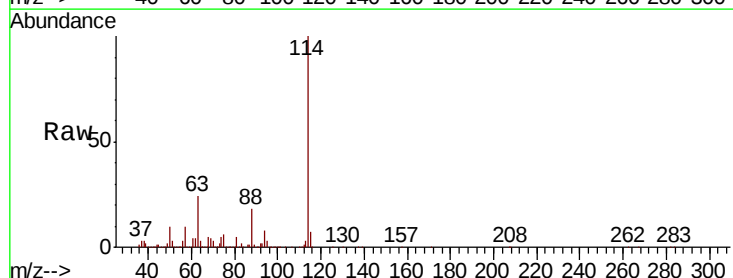
Instrument :
MSVOA_L
ClientSampleId :

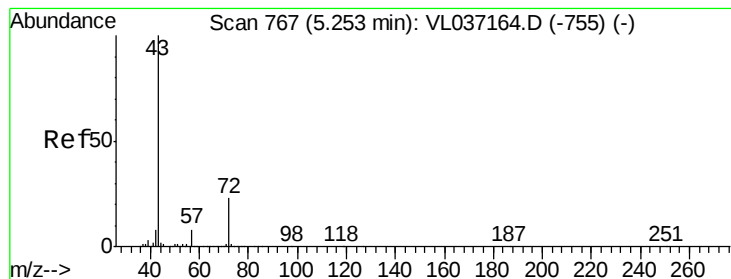
Tot Ion: 84 Resp: 36370
Ion Ratio Lower Upper
84 100
56 119.9 107.7 161.5
41 101.2 69.0 103.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion:114 Resp: 3501252
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 17.6 14.2 21.2





#34

2-Butanone

Concen: 1.004 ppbv

RT: 5.25 min Scan# 766

Delta R.T. -0.00 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

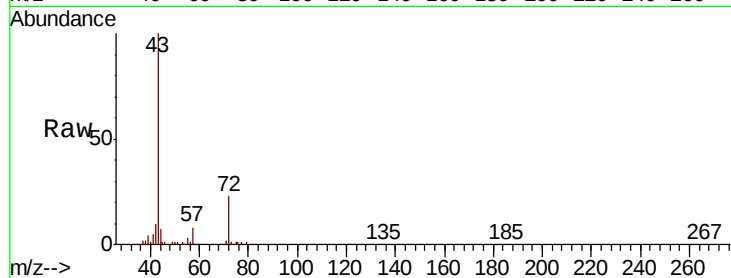
ClientSampleId :

Tot Ion: 43 Resp: 136706

Ion Ratio Lower Upper

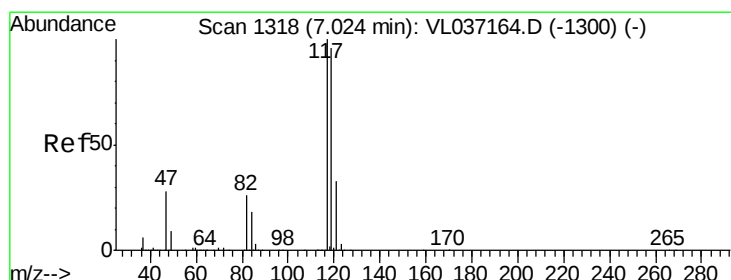
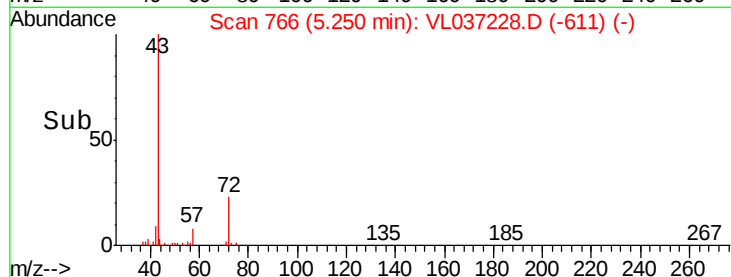
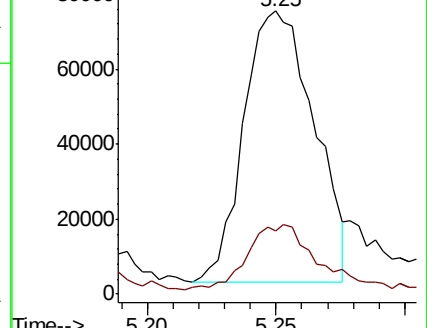
43 100

72 31.6 18.9 28.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.021 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

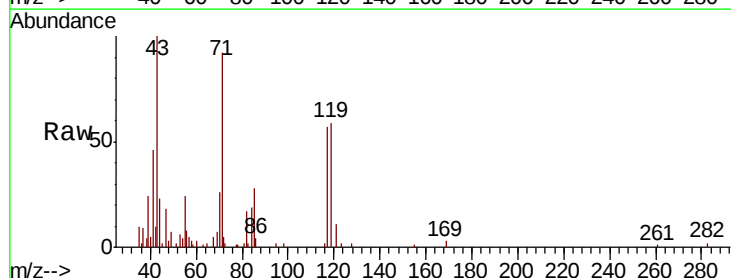
Tgt Ion: 117 Resp: 4821

Ion Ratio Lower Upper

117 100

119 108.4 76.6 114.8

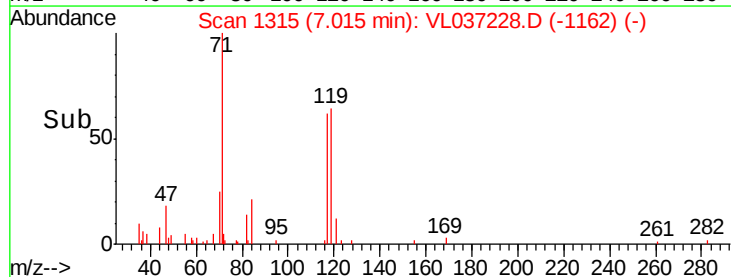
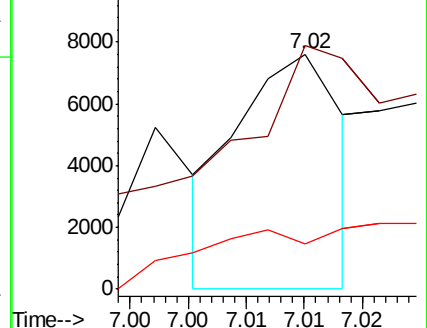
121 7.5 26.4 39.6#

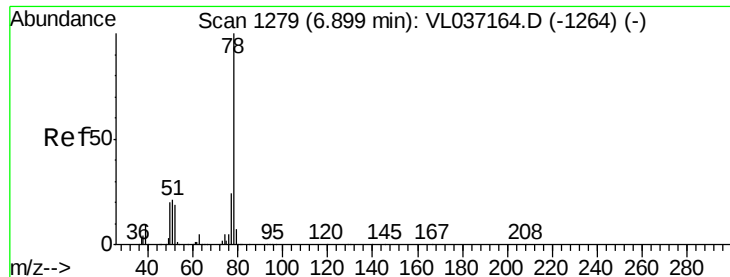


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 0.179 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

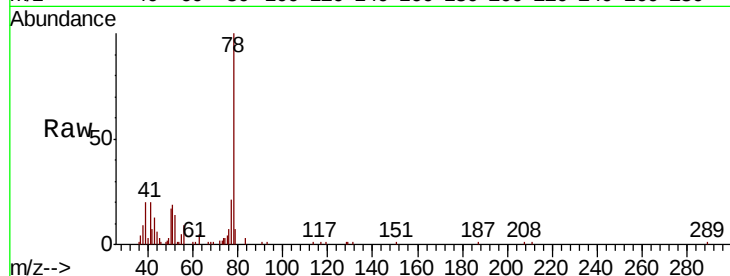
Tot Ion: 78 Resp: 50684

Ion Ratio Lower Upper

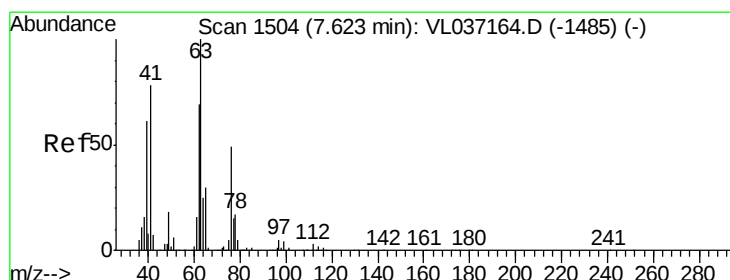
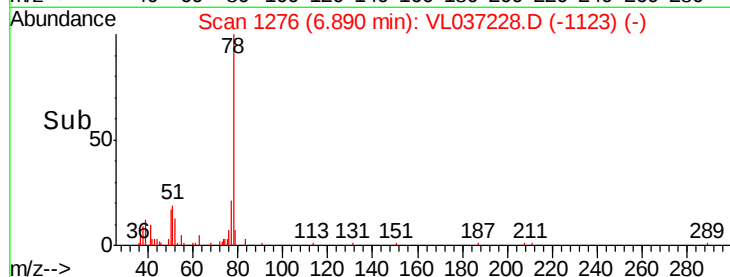
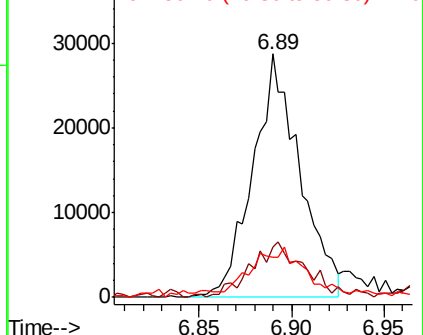
78 100

77 20.8 19.0 28.6

50 14.6 15.7 23.5#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.809 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.45 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

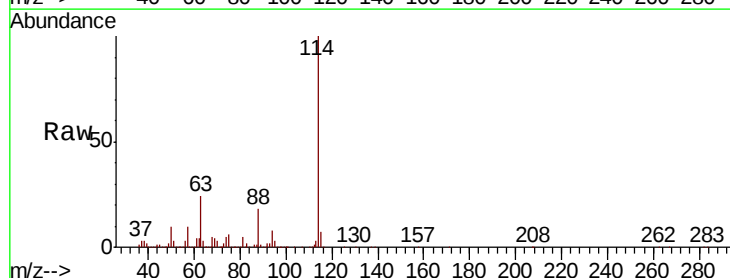
Tgt Ion: 63 Resp: 821517

Ion Ratio Lower Upper

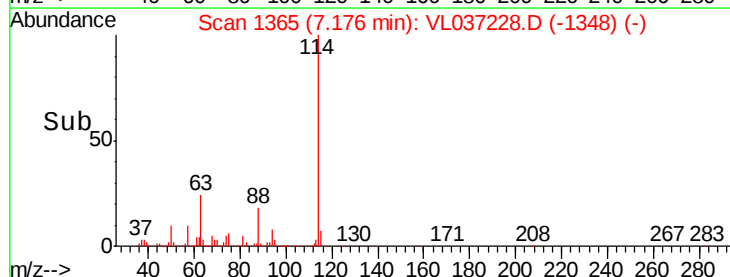
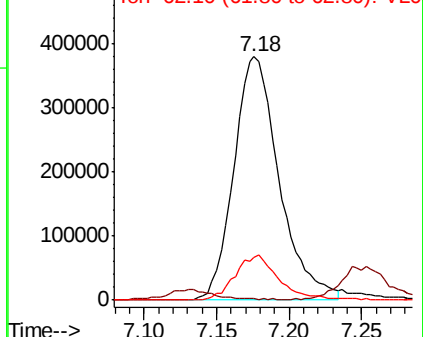
63 100

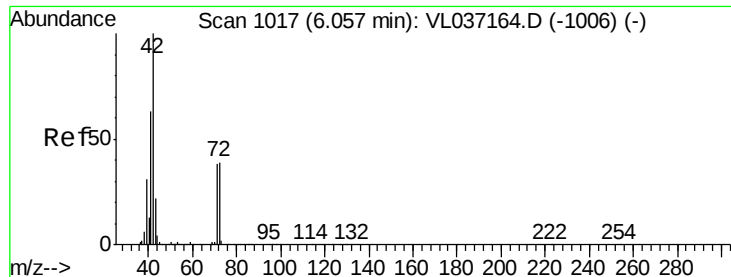
41 0.0 62.0 93.0#

62 17.2 54.9 82.3#



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: 0.373 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

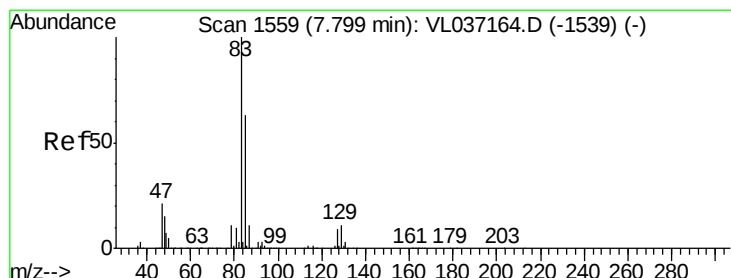
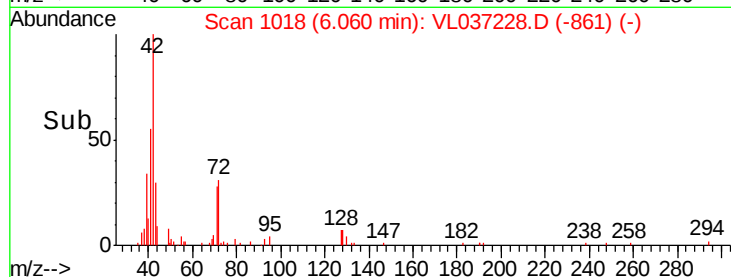
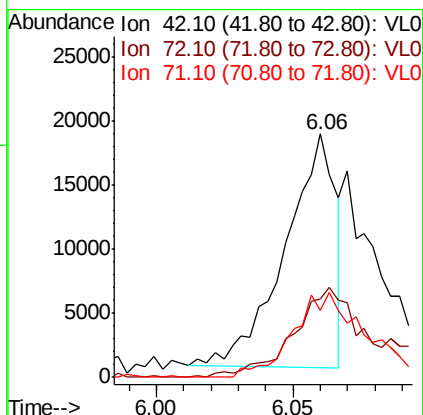
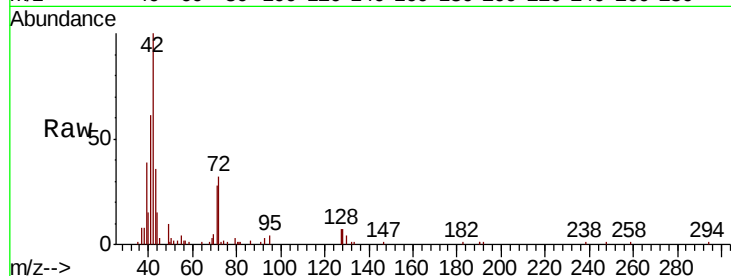
Tot Ion: 42 Resp: 23587

Ion Ratio Lower Upper

42 100

72 64.2 33.0 49.4#

71 60.9 31.0 46.6#



#42

Bromodichloromethane

Concen: 0.024 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

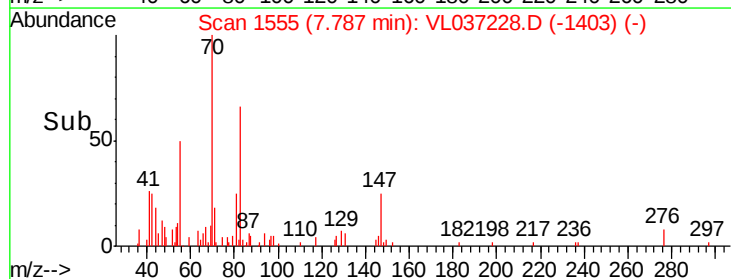
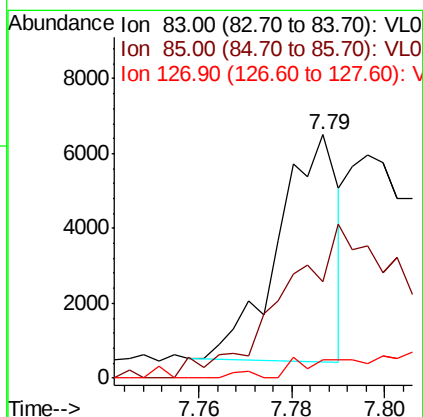
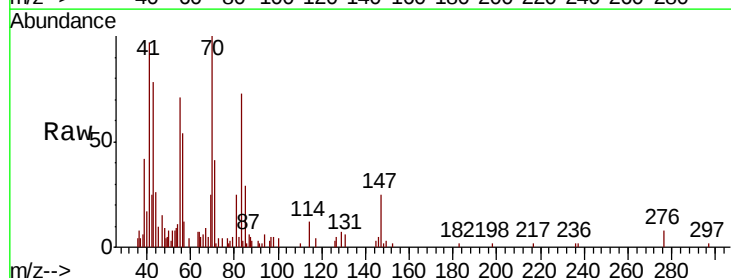
Tgt Ion: 83 Resp: 5426

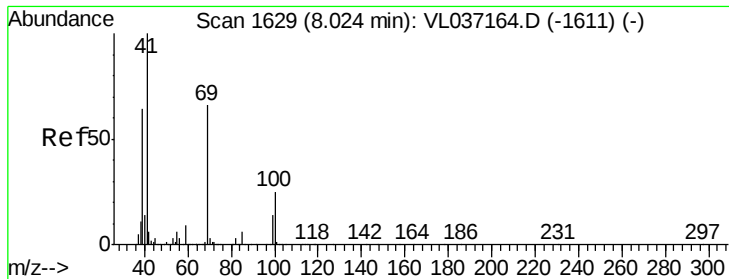
Ion Ratio Lower Upper

83 100

85 36.9 50.8 76.2#

127 8.1 7.0 10.6

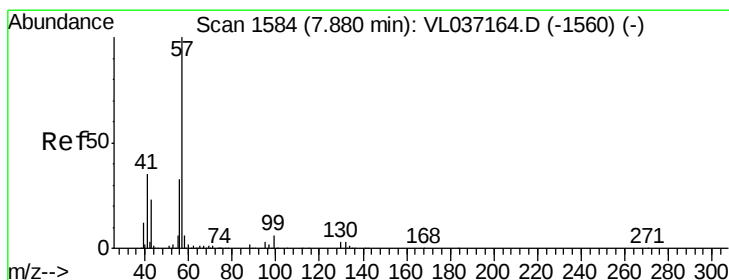
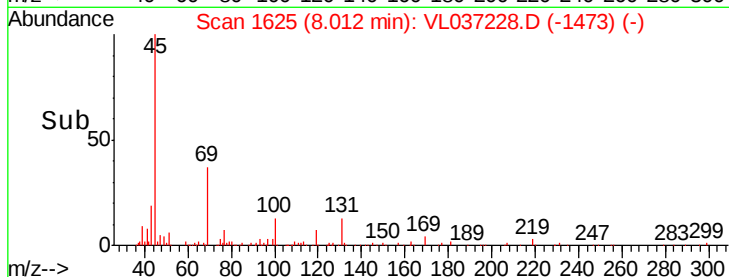
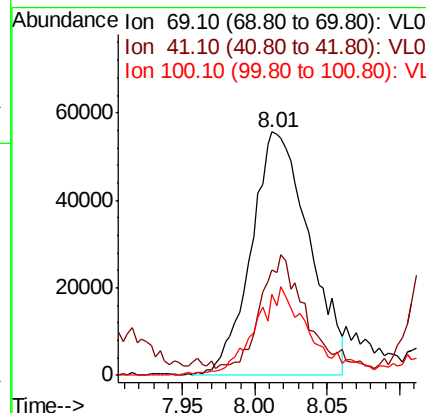
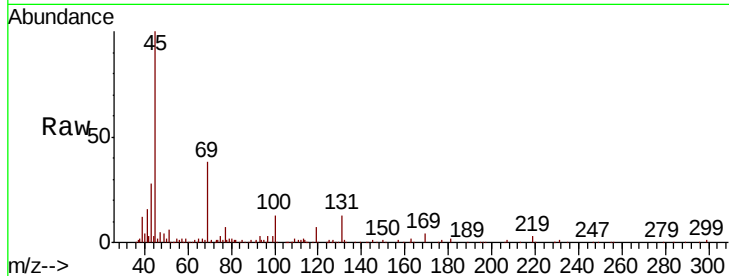




#43
Methvl Methacrylate
Concen: 1.573 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

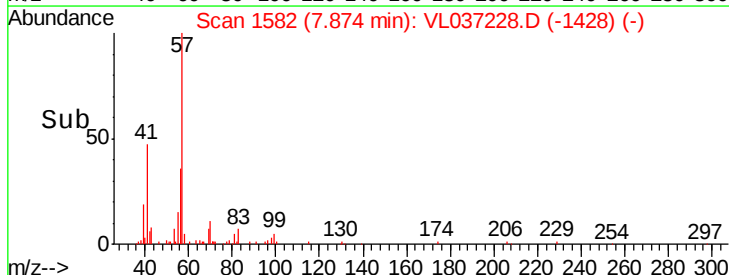
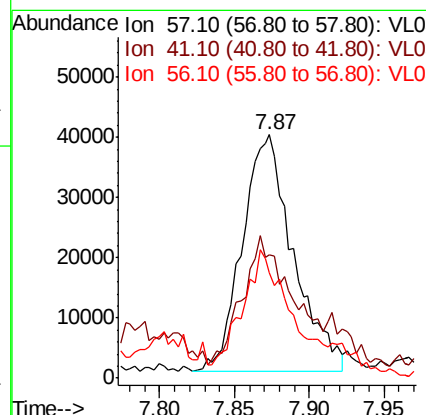
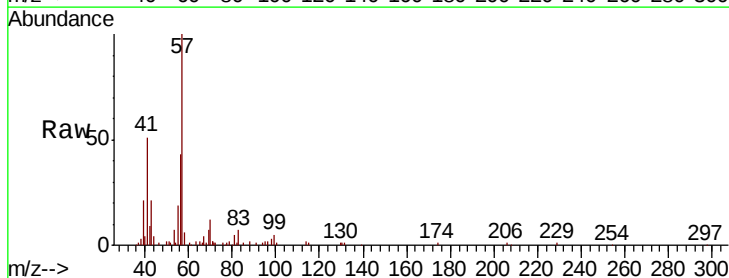
Instrument :
MSVOA_L
ClientSampleId :

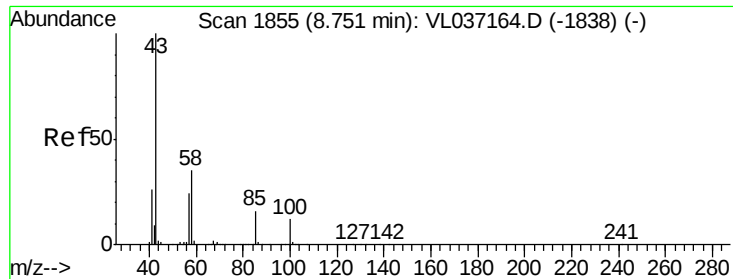
Tot Ion: 69 Resp: 153828
Ion Ratio Lower Upper
69 100
41 40.0 119.4 179.0#
100 35.3 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 0.194 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 57 Resp: 92598
Ion Ratio Lower Upper
57 100
41 76.1 27.6 41.4#
56 62.6 25.3 37.9#

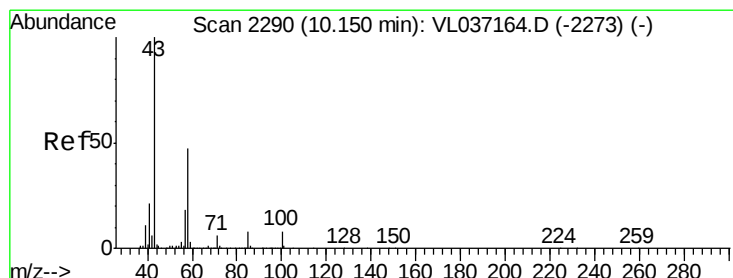
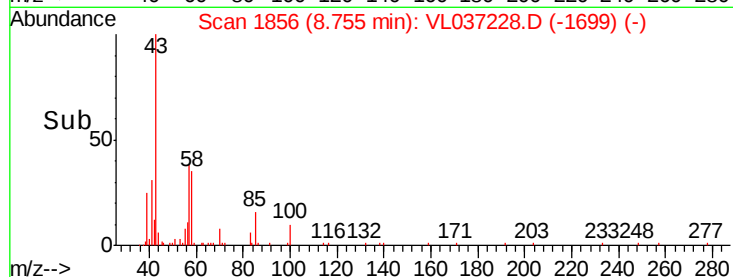
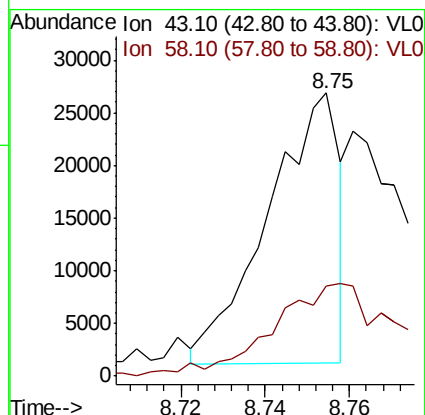
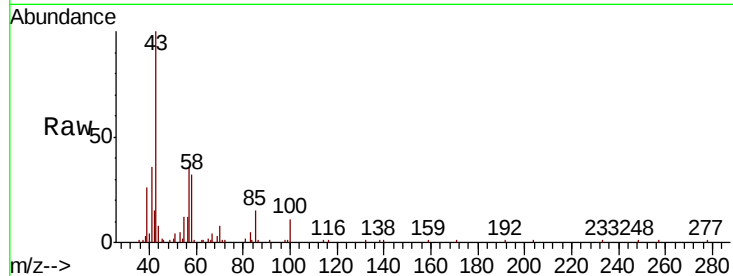




#50
4-Methyl-2-Pentanone
Concen: 0.162 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

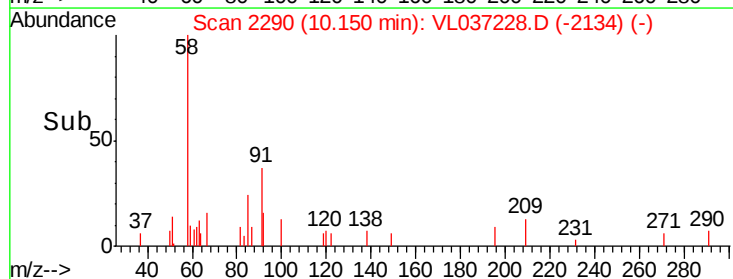
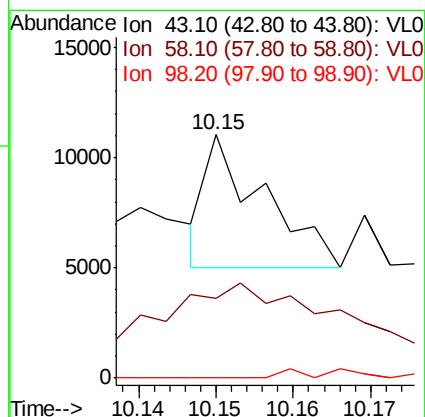
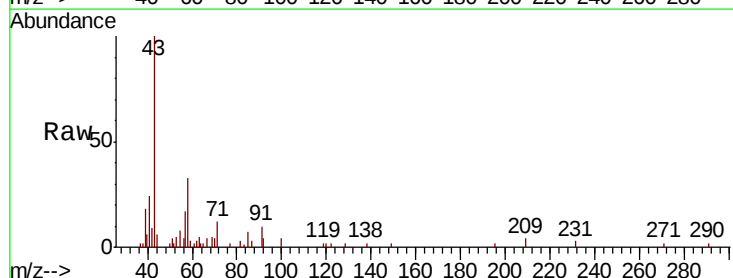
Instrument :
MSVOA_L
ClientSampleId :

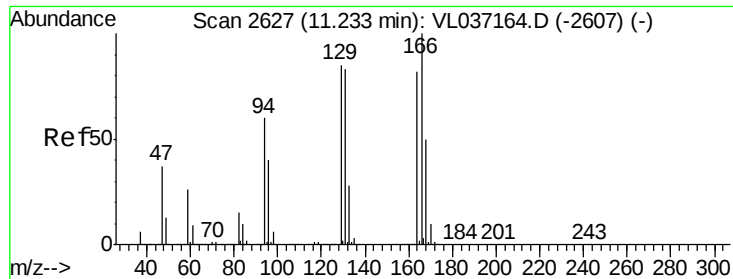
Tot Ion: 43 Resp: 30308
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#



#51
2-Hexanone
Concen: 0.034 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 43 Resp: 3117
Ion Ratio Lower Upper
43 100
58 384.2 38.4 57.6#
98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.031 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:164 Resp: 4078

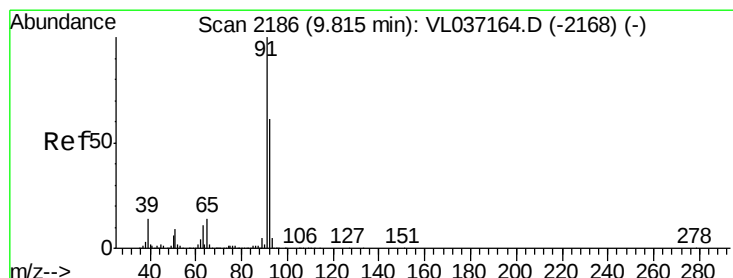
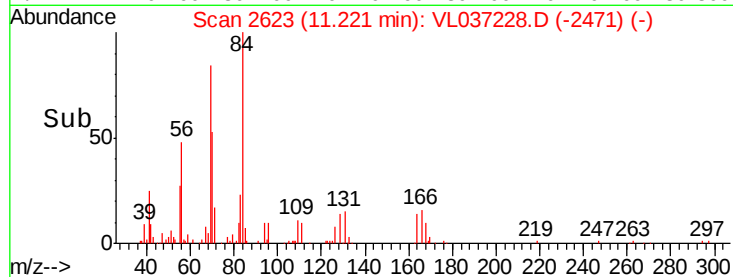
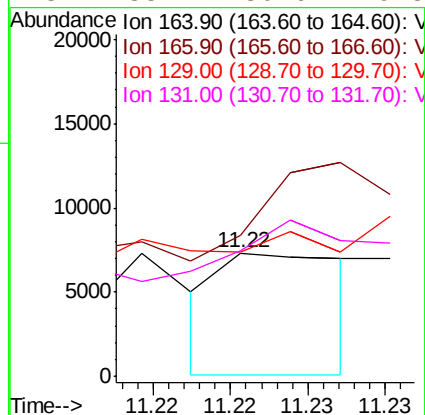
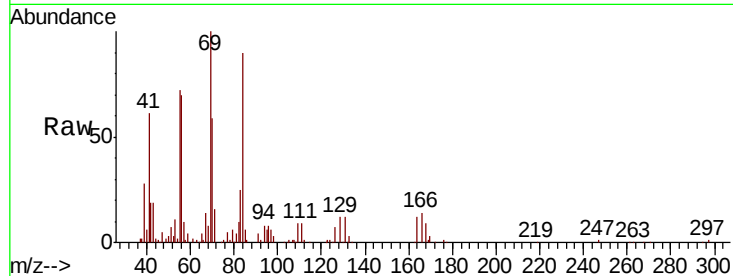
Ion Ratio Lower Upper

164 100

166 66.3 97.6 146.4#

129 0.6 82.9 124.3#

131 33.1 80.6 120.8#



#53

Toluene

Concen: 3.815 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL037228.D

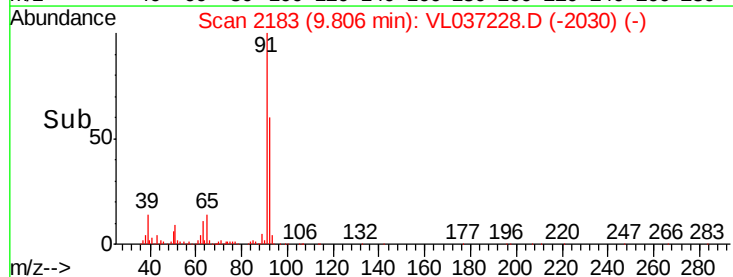
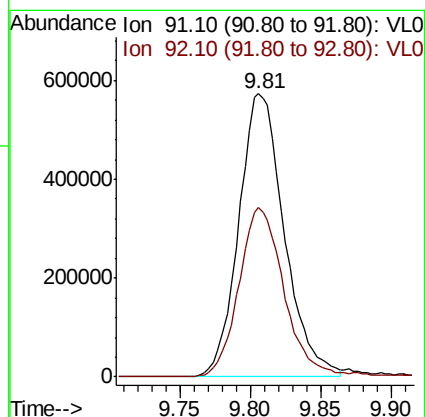
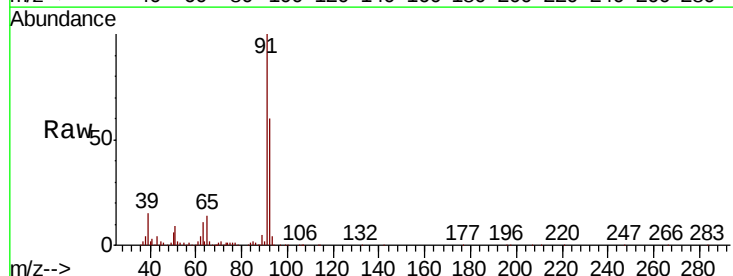
Acq: 22 Jun 2021 22:36

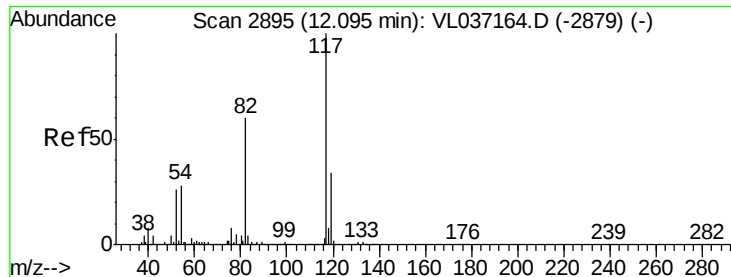
Tgt Ion: 91 Resp: 1290262

Ion Ratio Lower Upper

91 100

92 60.5 48.3 72.5

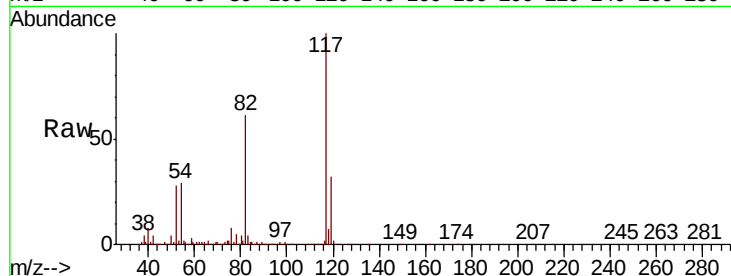




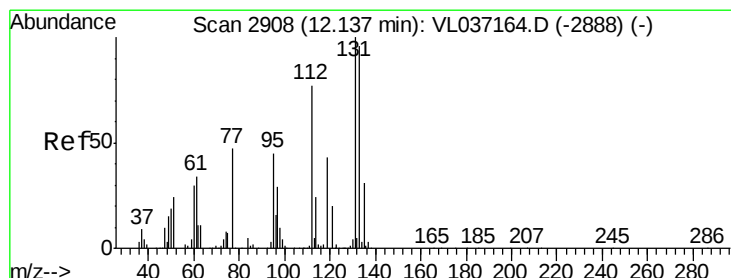
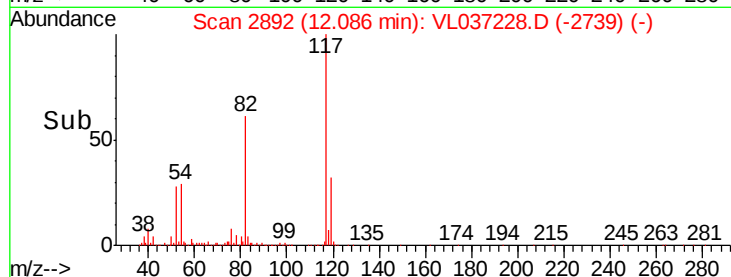
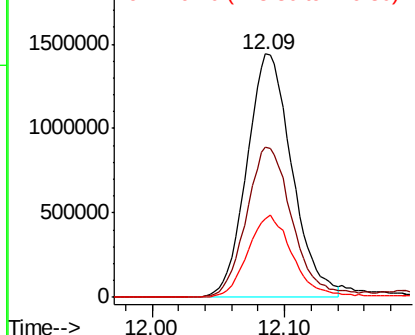
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3414306
Ion Ratio Lower Upper
117 100
82 63.7 51.7 77.5
119 35.2 47.6 71.4#

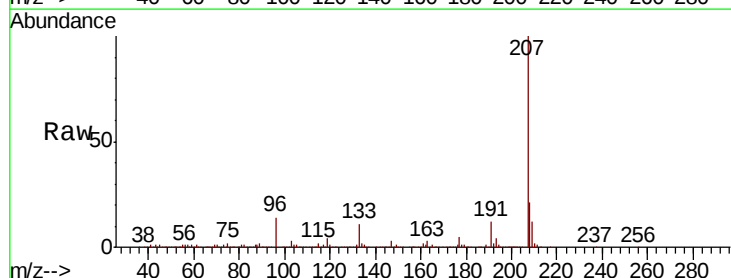


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

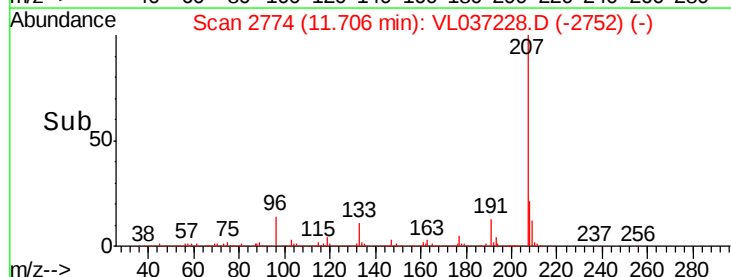
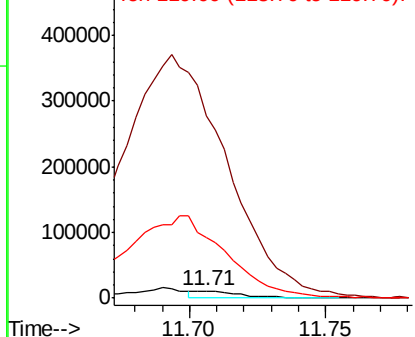


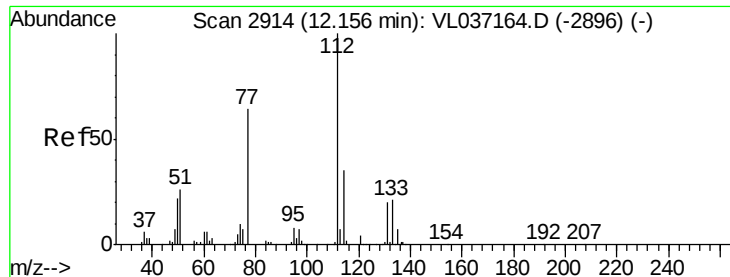
#56
1,1,1,2-Tetrachloroethane
Concen: 0.090 ppbv
RT: 11.71 min Scan# 2774
Delta R.T. -0.43 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion:131 Resp: 13460
Ion Ratio Lower Upper
131 100
133 0.0 76.5 114.7#
119 2380.1 48.6 72.8#



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

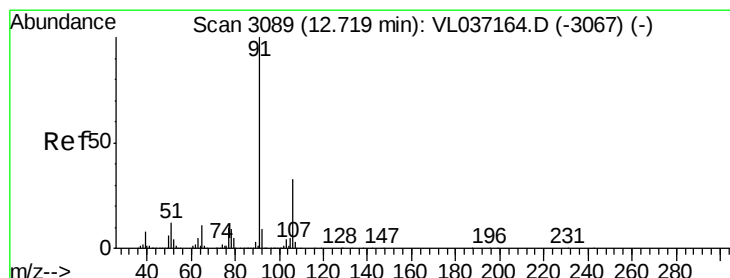
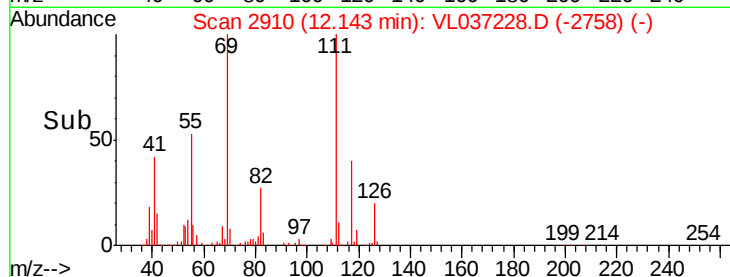
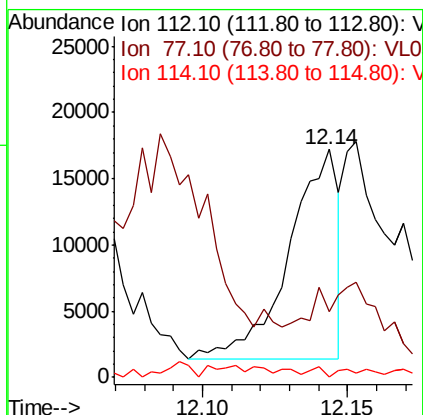
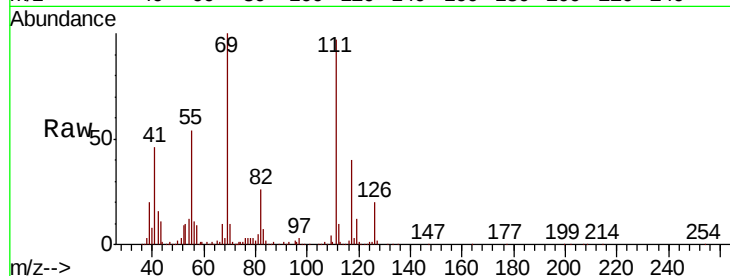




#57
Chlorobenzene
Concen: 0.067 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

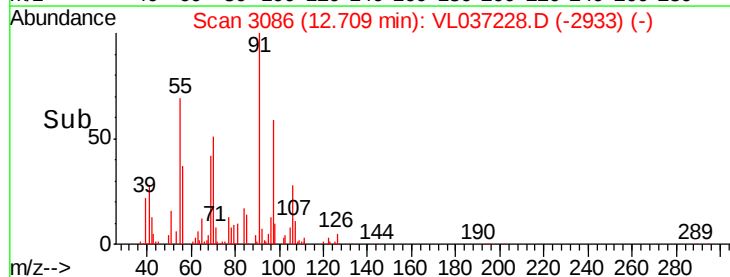
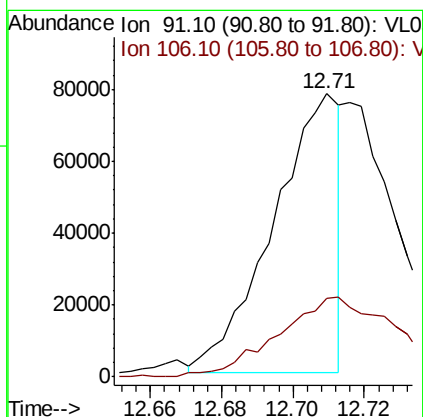
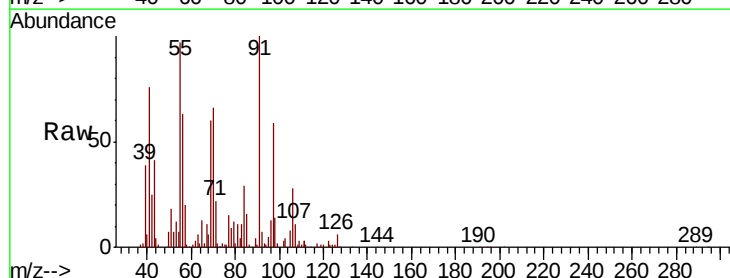
Instrument :
MSVOA_L
ClientSampleId :

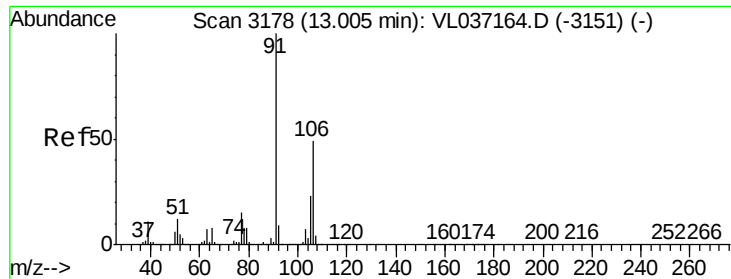
Tot Ion:112 Resp: 18564
Ion Ratio Lower Upper
112 100
77 0.0 52.2 78.4#
114 0.0 31.1 38.1#



#58
Ethyl Benzene
Concen: 0.215 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 91 Resp: 100899
Ion Ratio Lower Upper
91 100
106 27.4 26.3 39.5

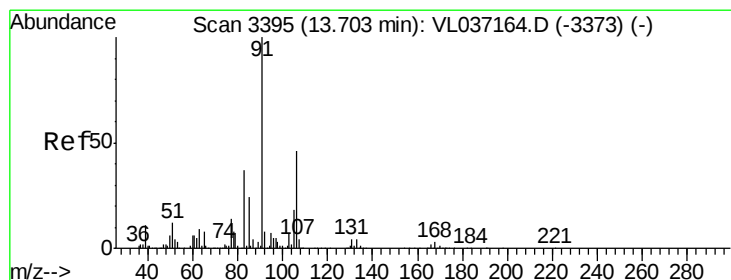
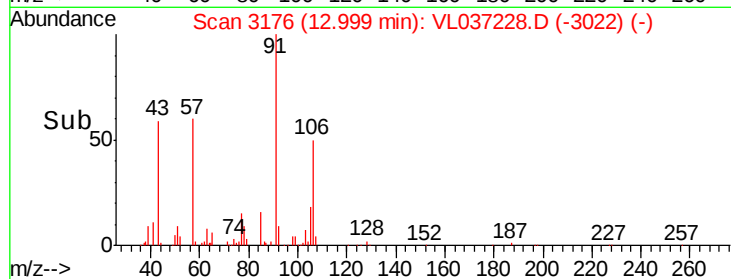
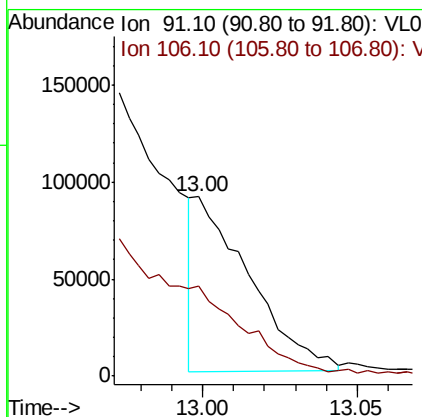
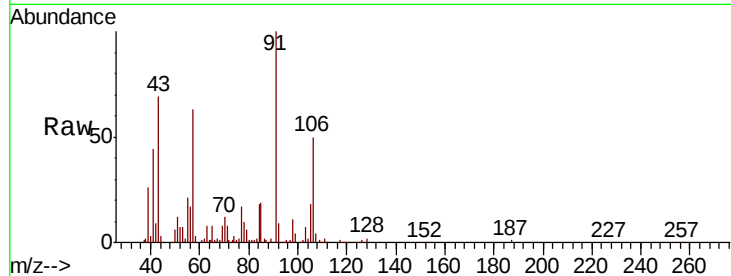




#59
m/p-Xylene
Concen: 0.276 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

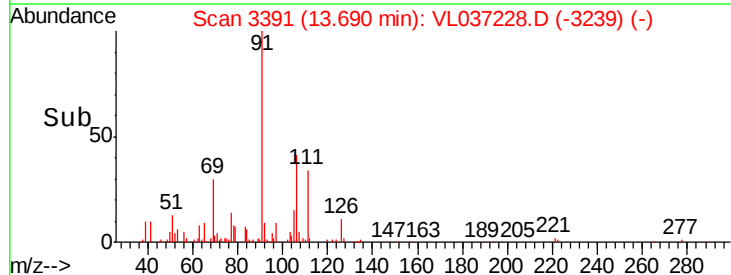
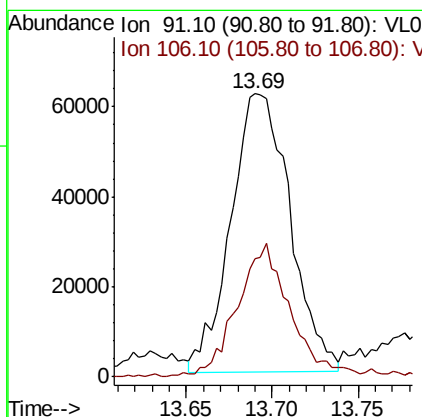
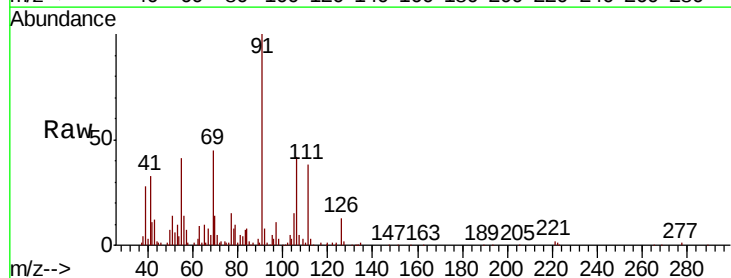
Instrument :
MSVOA_L
ClientSampleId :

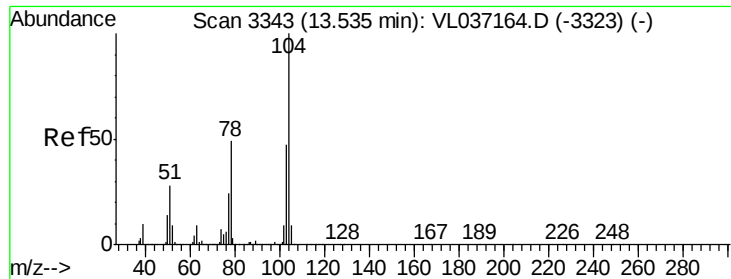
Tot Ion: 91 Resp: 109811
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#



#60
o-Xylene
Concen: 0.391 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion: 91 Resp: 148461
Ion Ratio Lower Upper
91 100
106 43.4 23.0 69.0

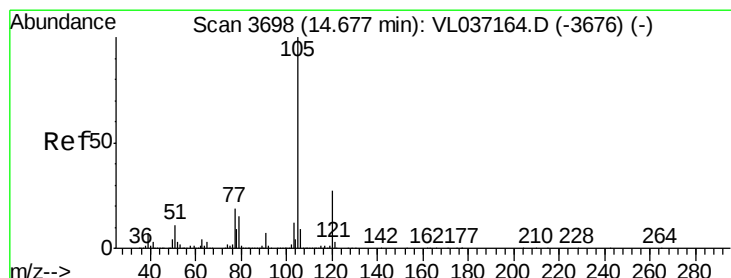
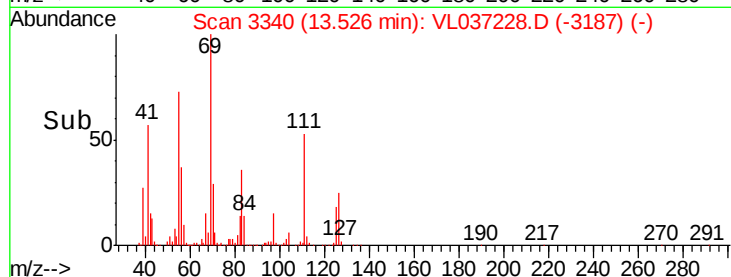
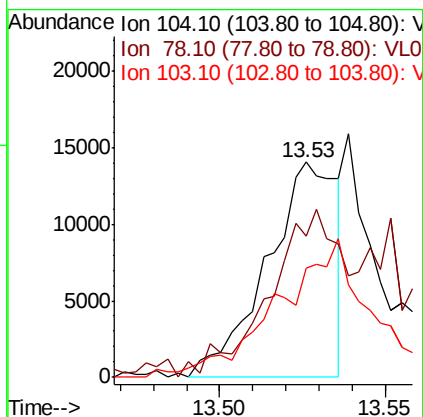
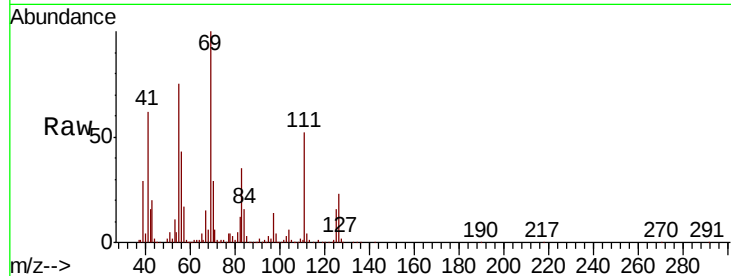




#61
Stvrene
Concen: 0.105 ppbv
RT: 13.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

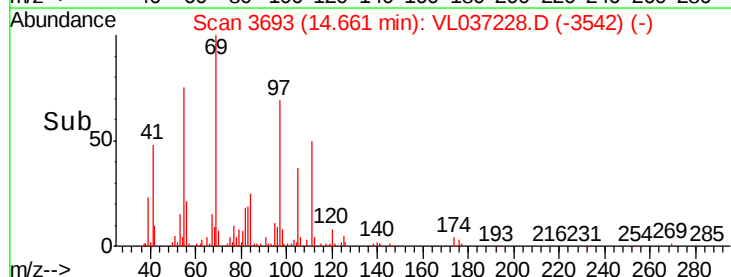
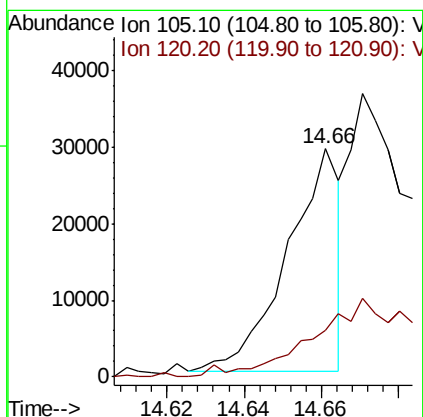
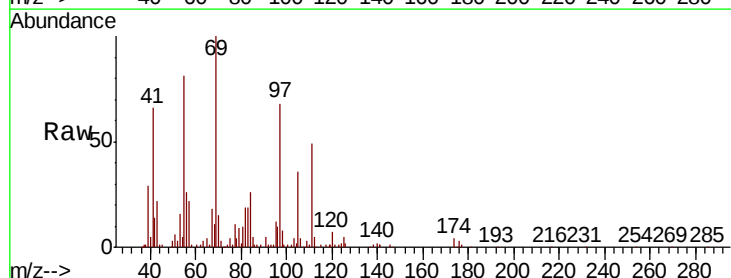
Instrument :
MSVOA_L
ClientSampleId :

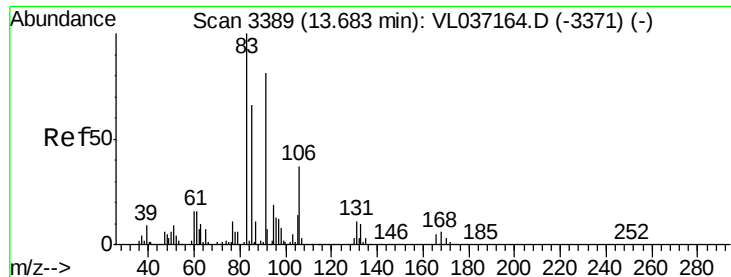
Tot Ion:104 Resp: 20539
Ion Ratio Lower Upper
104 100
78 150.8 39.7 59.5#
103 0.0 37.6 56.4#



#62
Isopropylbenzene
Concen: 0.051 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.02 min
Lab File: VL037228.D
Acq: 22 Jun 2021 22:36

Tgt Ion:105 Resp: 27389
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 1.074 ppbv

RT: 13.78 min Scan# 3419

Delta R.T. 0.10 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

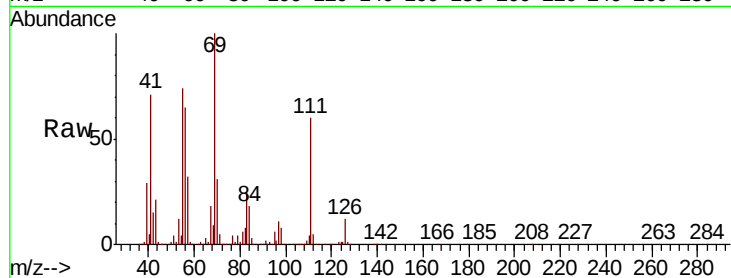
Tot Ion: 83 Resp: 271123

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

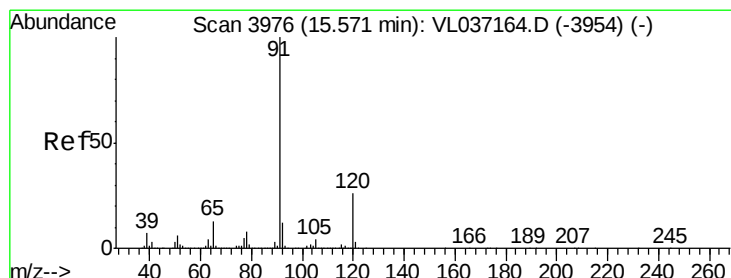
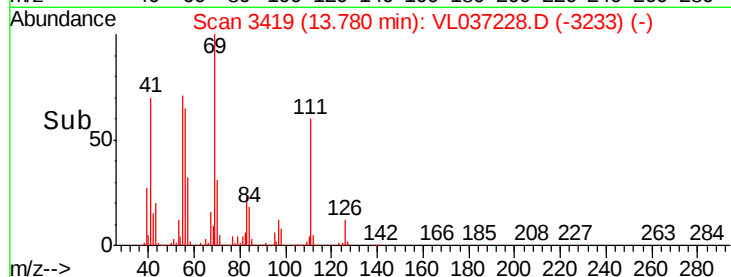
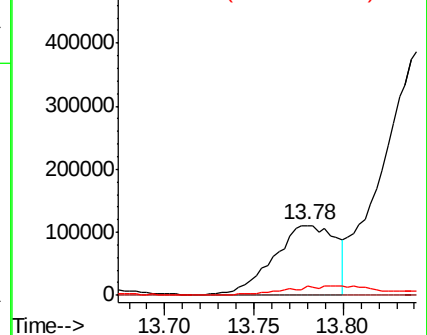
85 23.1 33.1 99.2#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.048 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL037228.D

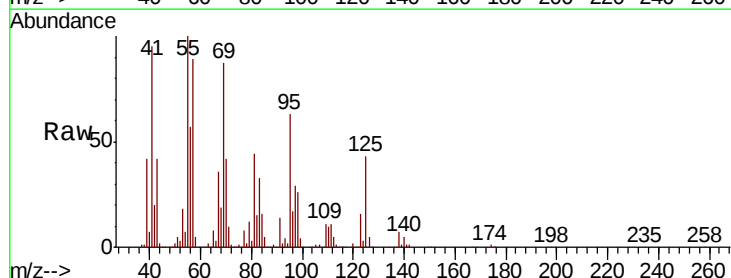
Acq: 22 Jun 2021 22:36

Tgt Ion:120 Resp: 6477

Ion Ratio Lower Upper

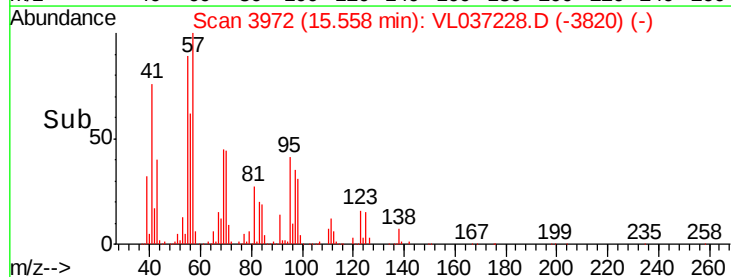
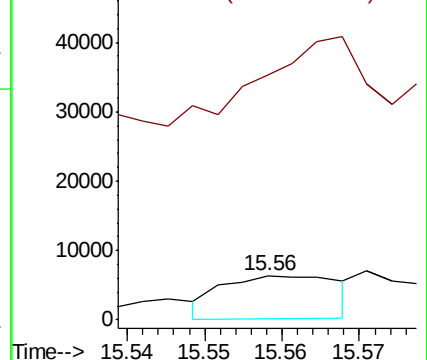
120 100

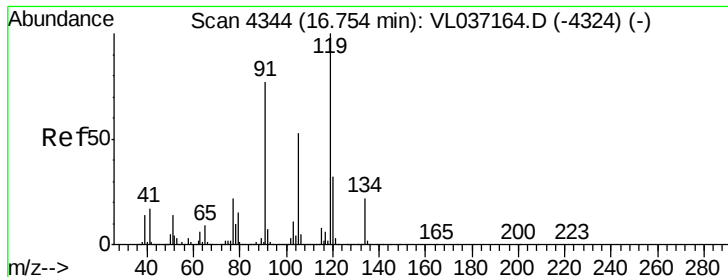
91 0.0 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.085 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

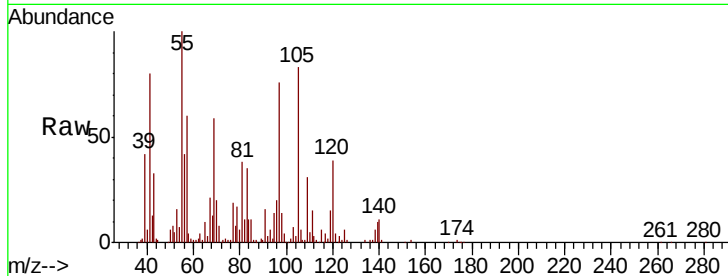
Tot Ion: 119 Resp: 40760

Ion Ratio Lower Upper

119 100

91 102.4 62.6 93.8#

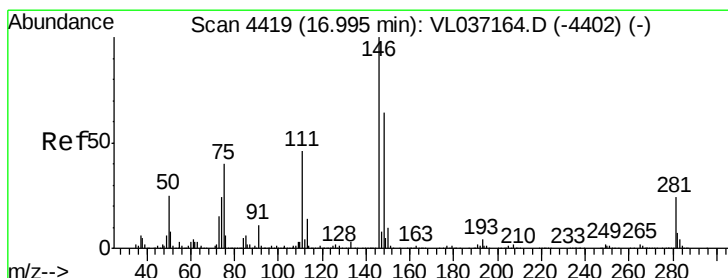
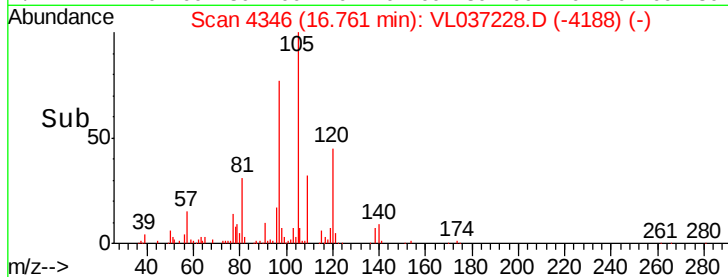
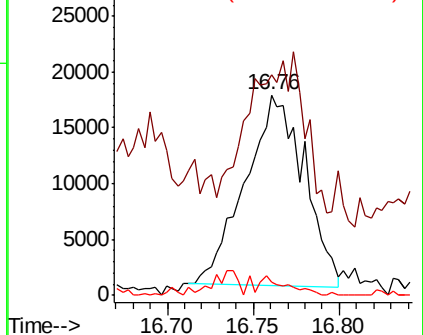
134 4.7 16.2 24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.080 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

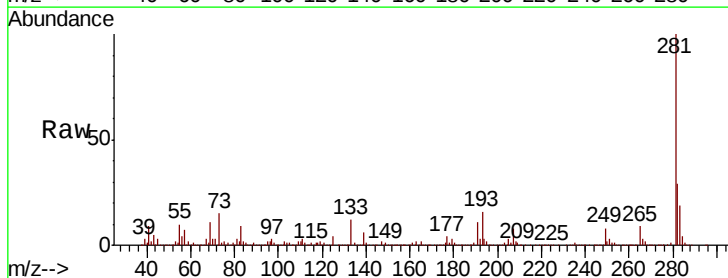
Tgt Ion: 91 Resp: 1613

Ion Ratio Lower Upper

91 100

126 0.0 15.5 23.3#

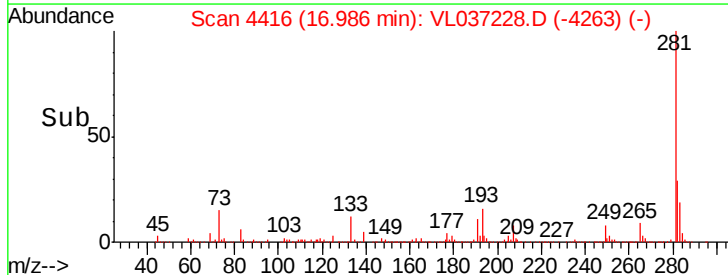
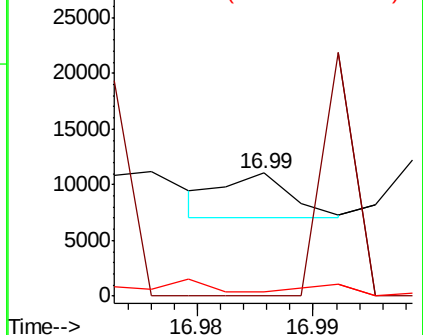
128 0.0 5.7 8.5#

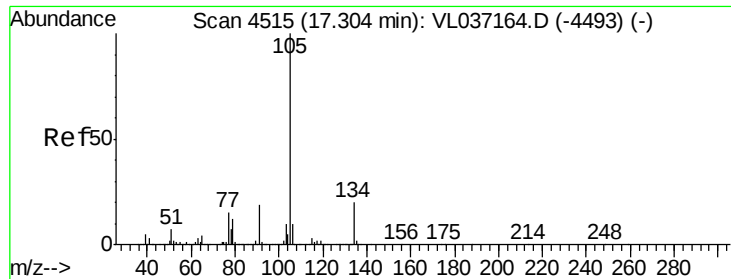


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.021 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

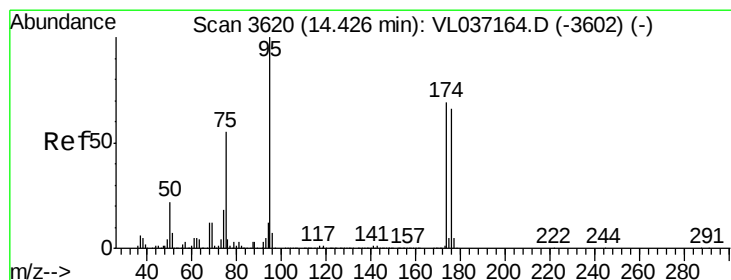
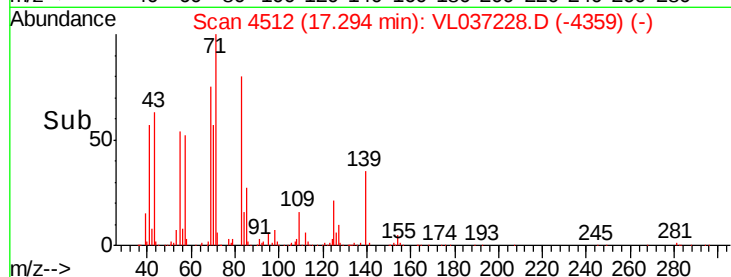
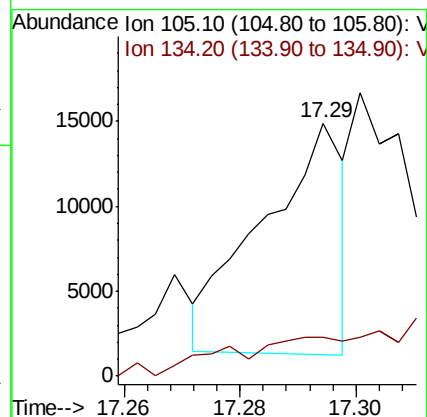
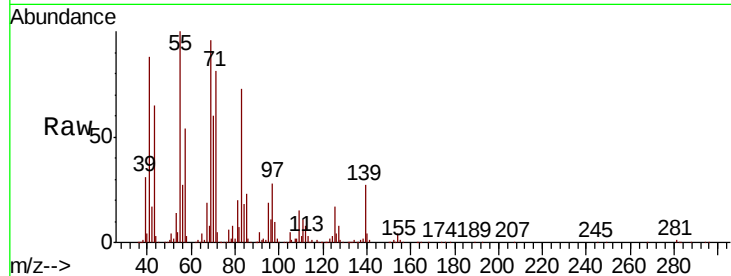
ClientSampled :

Tot Ion:105 Resp: 13355

Ion Ratio Lower Upper

105 100

134 0.0 15.8 23.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 12.609 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

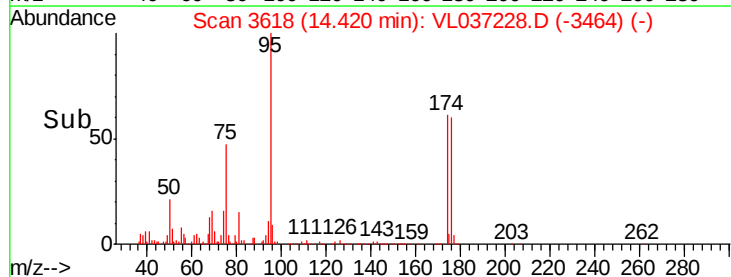
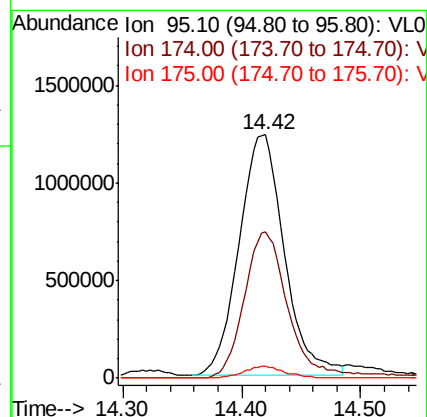
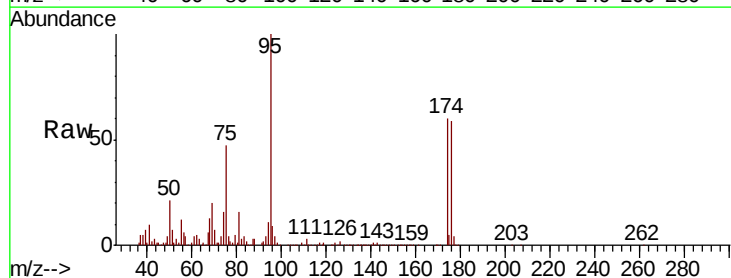
Tgt Ion: 95 Resp: 3262164

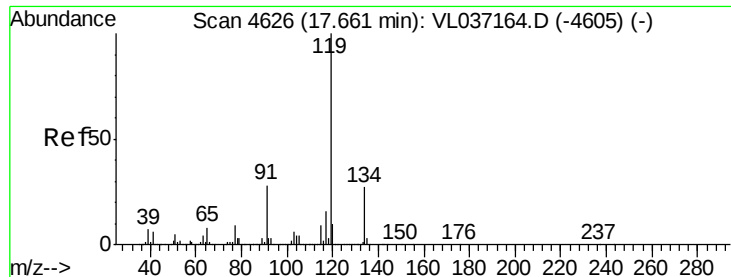
Ion Ratio Lower Upper

95 100

174 61.4 57.0 85.4

175 4.6 4.4 6.6

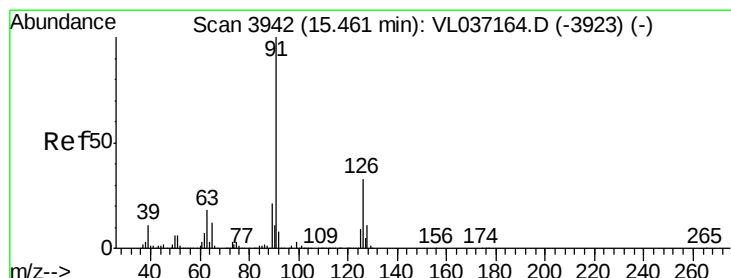
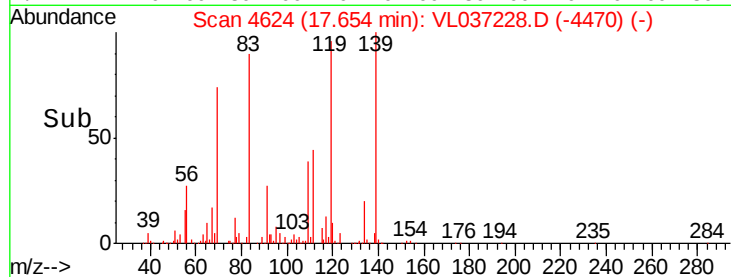
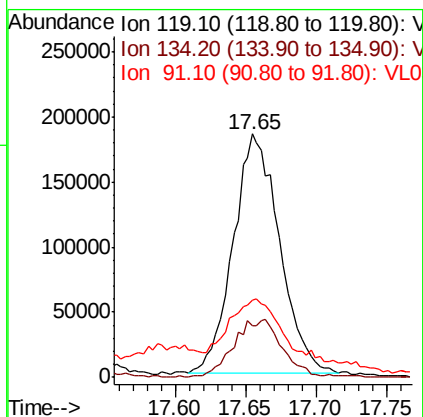
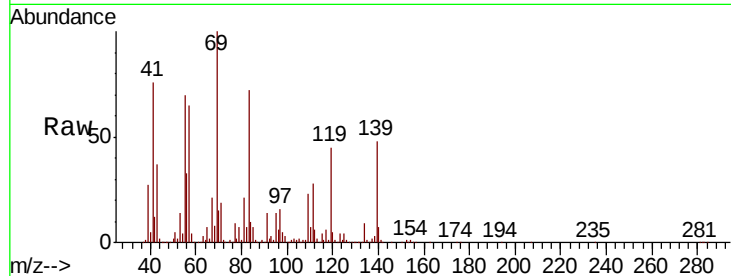




#69
 p-Isopropyltoluene
 Concen: 0.779 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL037228.D
 Acq: 22 Jun 2021 22:36

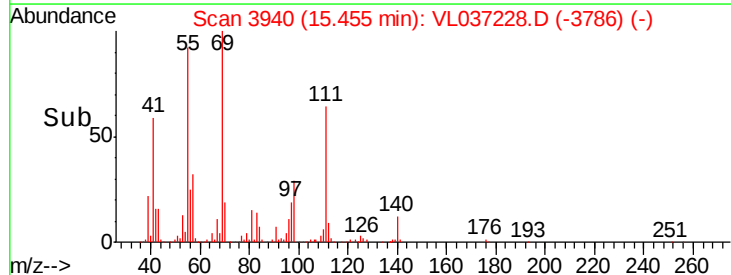
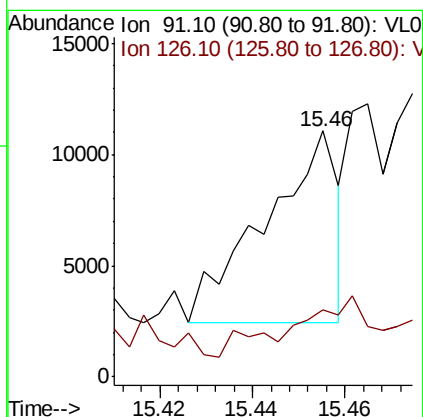
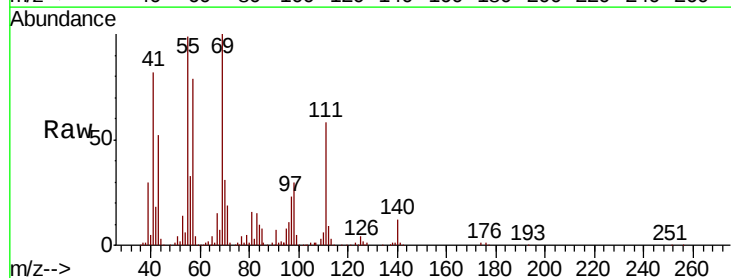
Instrument :
 MSVOA_L
 ClientSampleID :

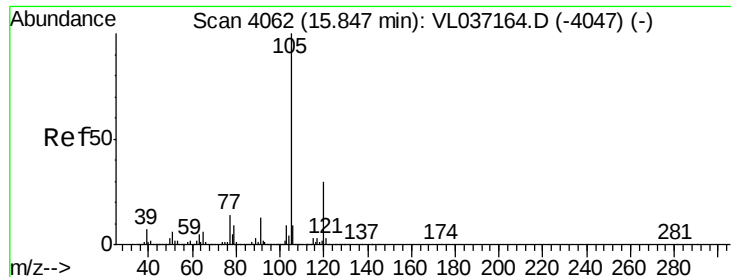
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.9	31.3
91	41.9	22.6	34.0



#71
 2-Chlorotoluene
 Concen: 0.025 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.01 min
 Lab File: VL037228.D
 Acq: 22 Jun 2021 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	95.0	13.5	54.1





#72

4-Ethyltoluene

Concen: 0.066 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 28546

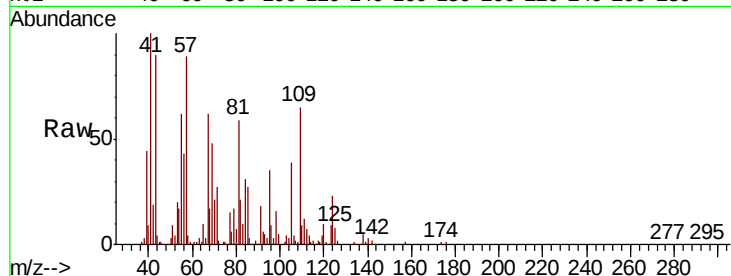
Ion Ratio Lower Upper

105 100

120 0.0 24.7 37.1#

91 120.6 10.2 15.4#

77 0.0 11.0 16.6#

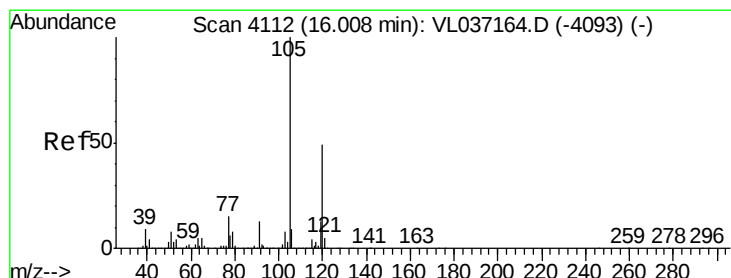
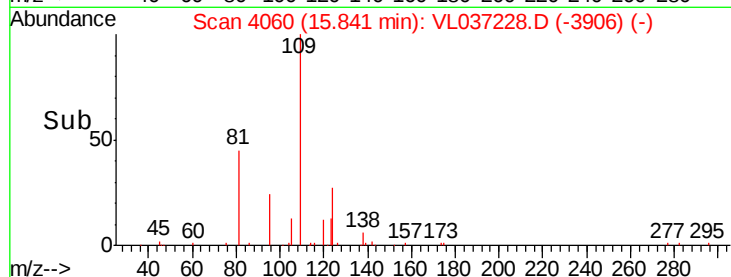
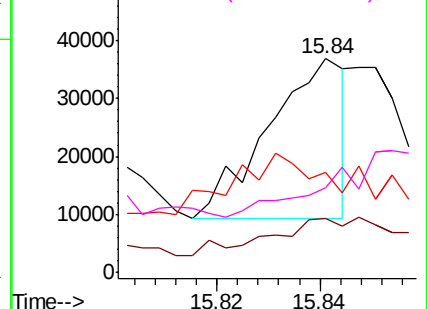


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.119 ppbv

RT: 16.00 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL037228.D

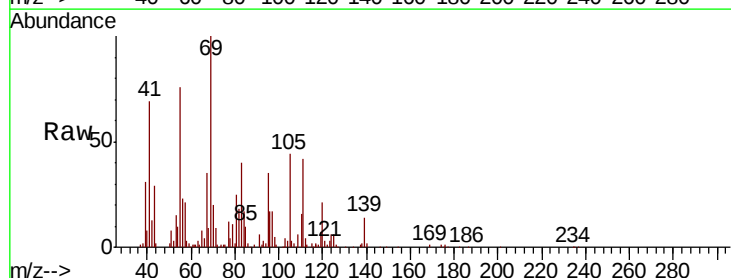
Acq: 22 Jun 2021 22:36

Tgt Ion:105 Resp: 49455

Ion Ratio Lower Upper

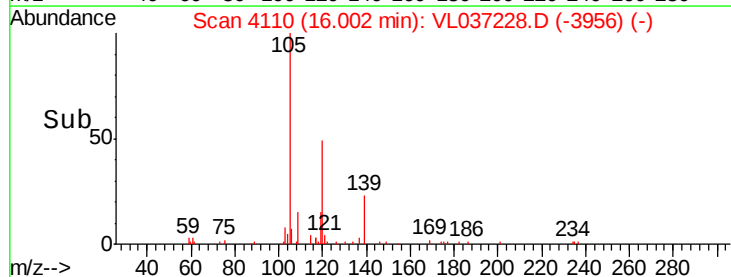
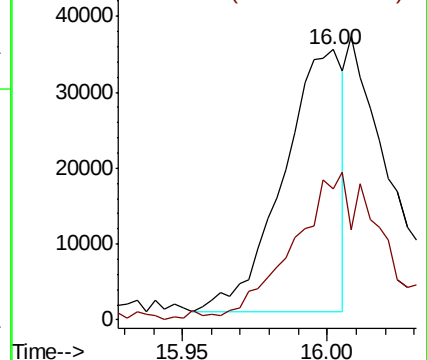
105 100

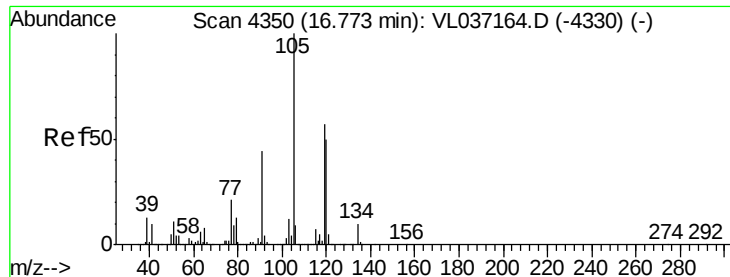
120 46.4 39.4 59.2



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: 0.385 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL037228.D

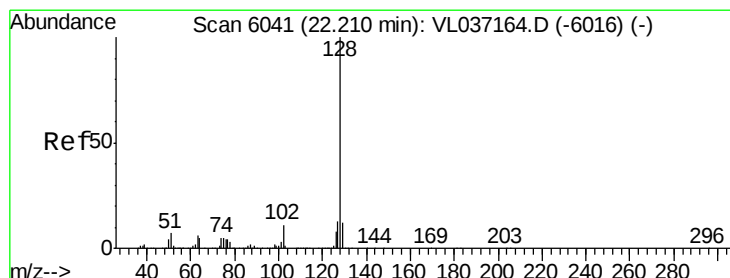
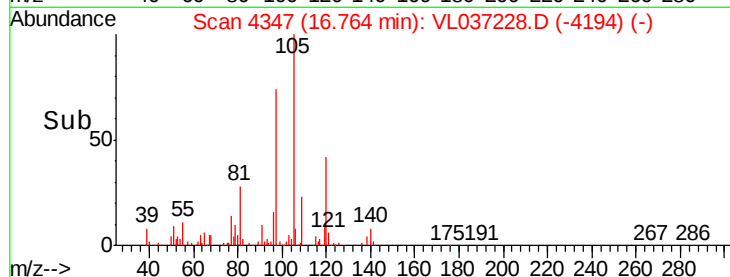
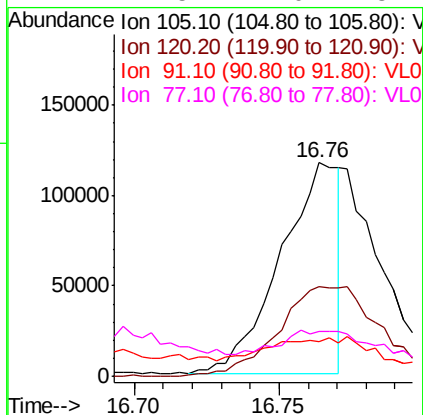
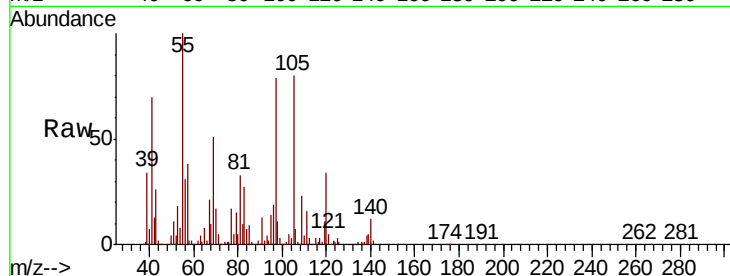
Acq: 22 Jun 2021 22:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	165117
Ion	Ratio	Lower	Upper
105	100		
120	41.9	39.8	59.8
91	8.5	37.0	55.4#
77	7.5	17.0	25.4#



#79

Naphthalene

Concen: 0.030 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. -0.01 min

Lab File: VL037228.D

Acq: 22 Jun 2021 22:36

Tgt Ion:	128	Resp:	10910
Ion	Ratio	Lower	Upper
128	100		
127	0.7	10.7	16.1#
129	12.2	9.3	13.9

