

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036633.D
 Acq On : 1 Apr 2021 15:29
 Operator : SY/AP
 Sample : M1834-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Apr 02 01:49:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	137144	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	8512	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.36	117	1978667	10.00	ppbv	0.26

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.76	95	46274	0.29	ppbv	0.33
Spiked Amount	10.000	Range	65 - 135	Recovery	=	2.90%#

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.21	51	588106	22.952	ppbv #	59
4) Chloromethane	3.18	50	148661	16.425	ppbv #	71
5) Vinyl Chloride	3.25	62	292	0.031	ppbv #	42
6) Bromomethane	3.47	94	832	0.162	ppbv #	3
7) Chloroethane	3.55	64	511	0.160	ppbv	92
8) Dichlorotetrafluoroethane	3.36	85	1503	0.070	ppbv	99
9) Propene	3.22	41	20451161	2503.603	ppbv	90
10) Heptane	8.10	43	67057	3.222	ppbv #	28
12) 1,1,2-Trichlorotrifluoroet	4.48	101	485	0.033	ppbv #	11
13) Ethanol	3.59	45	22912	23.554	ppbv #	1
15) Acetone	3.89	43	35695075	2644.437	ppbv #	81
16) 1,3-Butadiene	3.30	39	15070046	1603.627	ppbv #	22
17) tert-Butyl alcohol	4.31	59	14614	1.244	ppbv #	1
18) 1,1-Dichloroethene	4.29	96	2271	0.350	ppbv #	1
19) Isopropyl Alcohol	3.96	45	22815	3.073	ppbv #	1
20) Methylene Chloride	4.34	84	14048	2.223	ppbv #	1
21) Allyl Chloride	4.52	41	15438815	1434.810	ppbv #	1
22) trans-1,2-Dichloroethene	4.89	96	329	0.055	ppbv #	63
23) Vinyl Acetate	5.07	43	11679156	505.830	ppbv #	1
24) 1,1-Dichloroethane	5.05	63	27645	1.643	ppbv #	91
25) Ethyl Acetate	5.68	43	76045	2.370	ppbv #	59
26) Hexane	5.97	57	1771331	118.944	ppbv #	1
27) Carbon Disulfide	4.55	76	3595	0.245	ppbv #	60
28) Methyl tert-Butyl Ether	5.03	73	511630	29.132	ppbv #	52
30) Cyclohexane	7.47	84	19758731	1635.969	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	4499	0.312	ppbv #	32
32) 1,1,1-Trichloroethane	6.45	97	3380	0.141	ppbv #	1
34) 2-Butanone	5.07	43	11679156	28108.768	ppbv #	47
35) Carbon Tetrachloride	6.70	117	488	0.746	ppbv	96
36) Benzene	7.19	78	160263910	204148.154	ppbv #	11
37) 1,2-Dichloroethane	6.30	62	32289	69.883	ppbv #	82
38) Trichloroethene	7.82	130	486	1.591	ppbv #	41
39) 1,2-Dichloropropane	7.19	63	5092257	15990.810	ppbv #	29
40) 1,4-Dioxane	7.83	88	965	13.020	ppbv #	1
41) Tetrahydrofuran	6.09	42	14420483	75272.202	ppbv #	1
42) Bromodichloromethane	7.77	83	88660	141.071	ppbv #	54
43) Methyl Methacrylate	7.98	69	201604	764.778	ppbv #	1
44) 2,2,4-Trimethylpentane	7.73	57	1970505	1426.191	ppbv #	1
45) t-1,3-Dichloropropene	9.26	75	2958	9.827	ppbv #	1
46) cis-1,3-Dichloropropene	8.70	75	10803	28.076	ppbv #	38
47) 1,1,2-Trichloroethane	9.41	97	27031388	83804.836	ppbv #	83

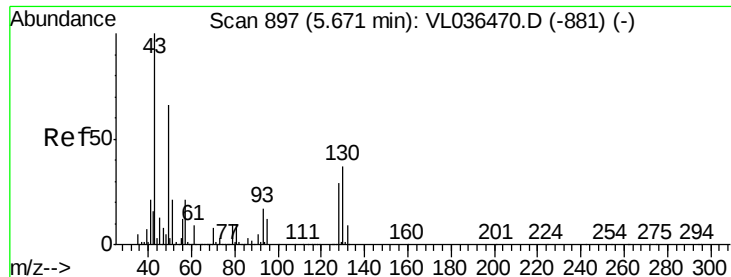
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.21	129	1260	2.563	ppbv	70
49) Bromoform	13.15	173	129	0.326	ppbv #	42
50) 4-Methyl-2-Pentanone	8.77	43	1126305	1873.399	ppbv #	1
51) 2-Hexanone	10.15	43	5723792	18865.856	ppbv #	30
52) Tetrachloroethene	11.19	164	67	0.232	ppbv #	1
53) Toluene	9.79	91	6990	8.361	ppbv #	1
54) 1,2-Dibromoethane	10.98	107	1793	3.936	ppbv	93
57) Chlorobenzene	12.46	112	2319391	13.777	ppbv #	43
58) Ethyl Benzene	12.95	91	10478325	36.400	ppbv	93
59) m/p-Xylene	13.19	91	3980576	15.853	ppbv	88
60) o-Xylene	13.88	91	844963	3.480	ppbv	96
62) Isopropylbenzene	14.81	105	4882881	14.935	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.97	83	1297378	7.005	ppbv #	15
64) n-propylbenzene	15.67	120	556144	6.958	ppbv	100
66) Benzyl Chloride	17.36	91	15704	0.501	ppbv #	66
67) sec-Butylbenzene	17.36	105	100073	0.250	ppbv	98
71) 2-Chlorotoluene	15.44	91	133514	0.545	ppbv	74

(#) = 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: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

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ClientSampleId :

SV1

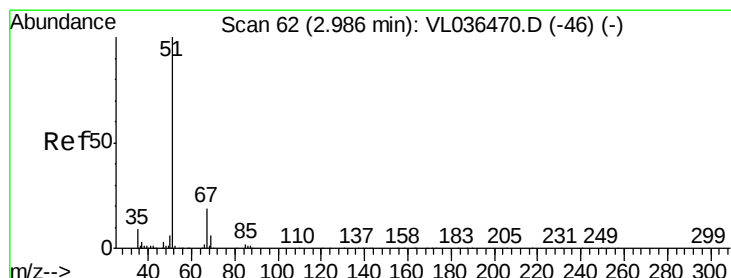
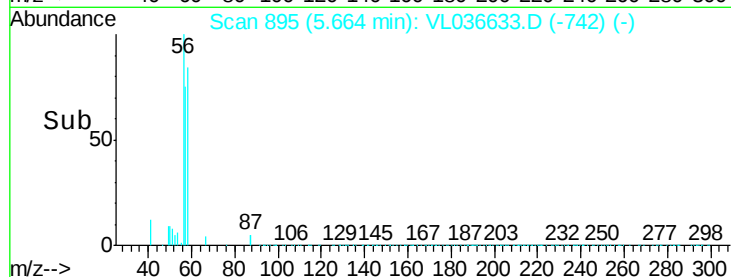
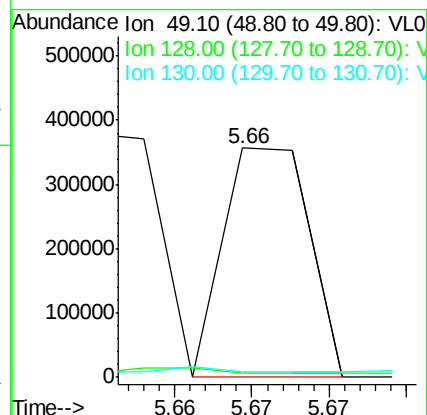
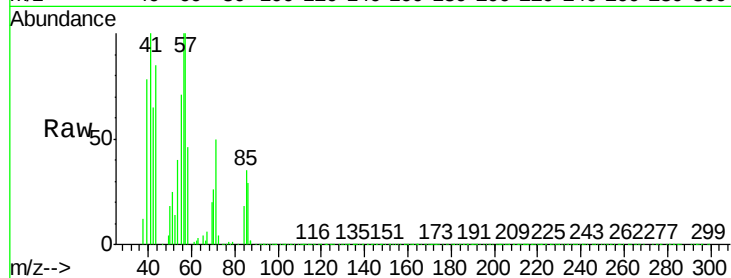
Tot Ion: 49 Resp: 137144

Ion Ratio Lower Upper

49 100

128 0.0 23.5 70.6#

130 17.0 29.1 87.4#



#3

Chlorodifluoromethane

Concen: 22.952 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.23 min

Lab File: VL036633.D

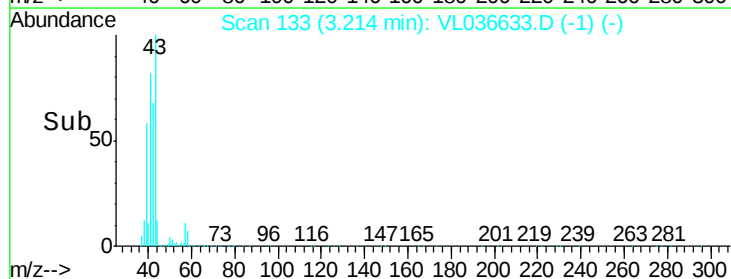
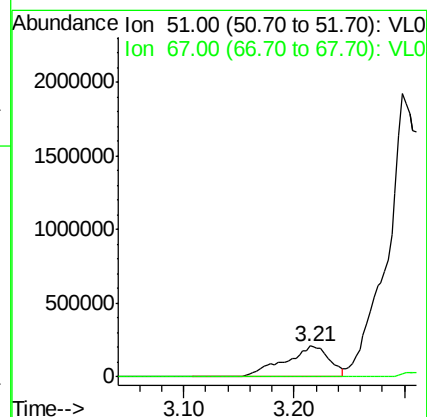
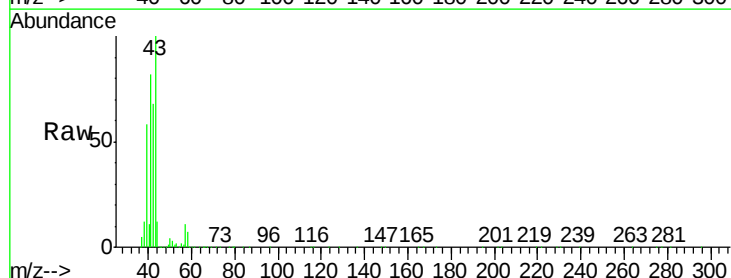
Acq: 1 Apr 2021 15:29

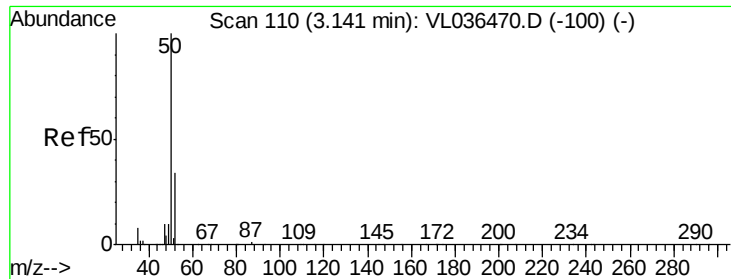
Tgt Ion: 51 Resp: 588106

Ion Ratio Lower Upper

51 100

67 0.0 14.7 22.1#





#4

Chloromethane

Concen: 16.425 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.04 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

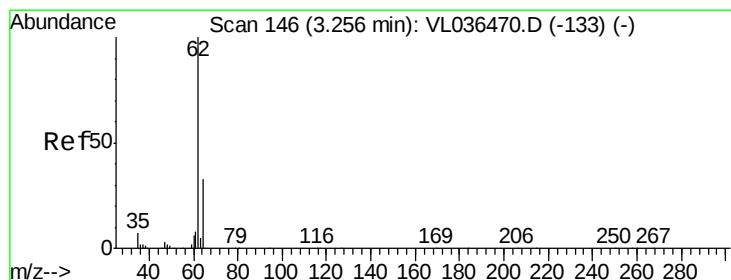
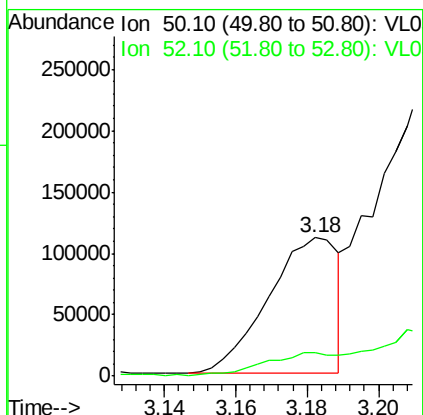
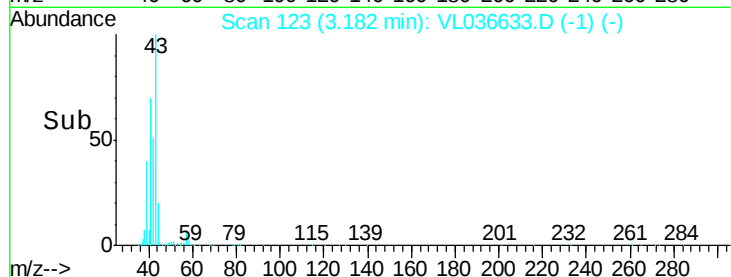
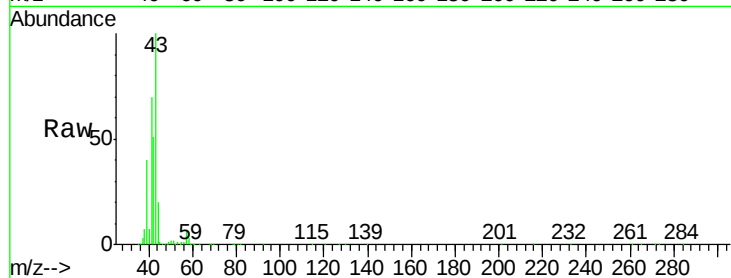
SV1

Tot Ion: 50 Resp: 148661

Ion Ratio Lower Upper

50 100

52 17.0 27.0 40.6#



#5

Vinyl Chloride

Concen: 0.031 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036633.D

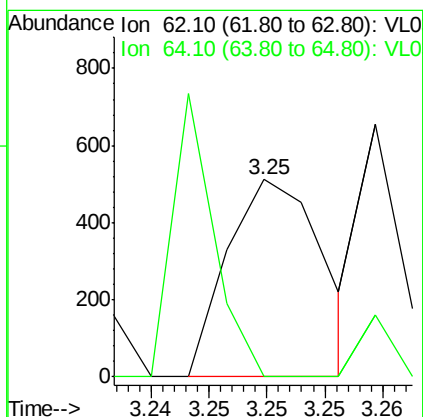
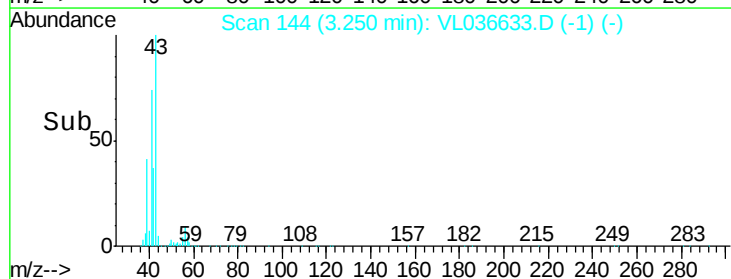
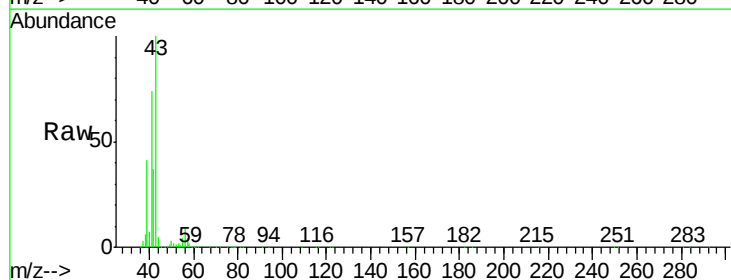
Acq: 1 Apr 2021 15:29

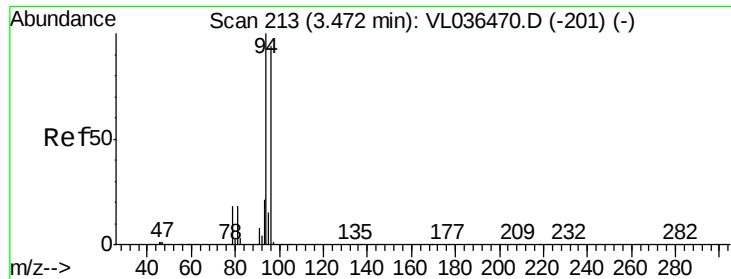
Tgt Ion: 62 Resp: 292

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#





#6

Bromomethane

Concen: 0.162 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampled :

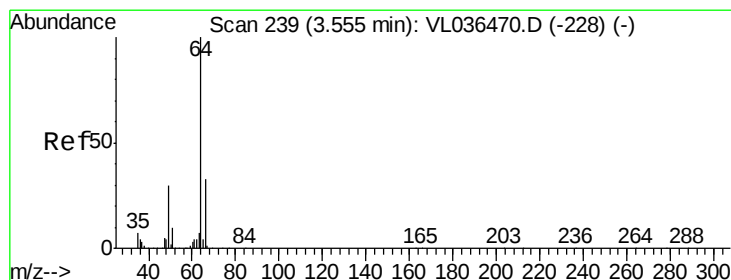
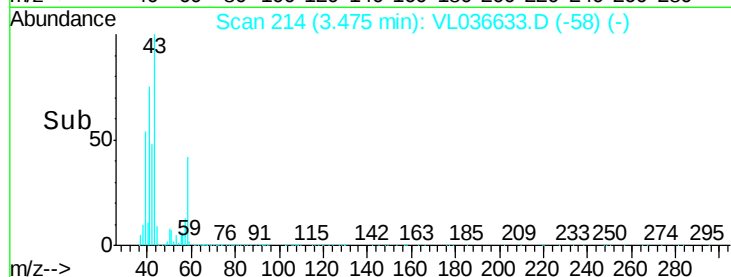
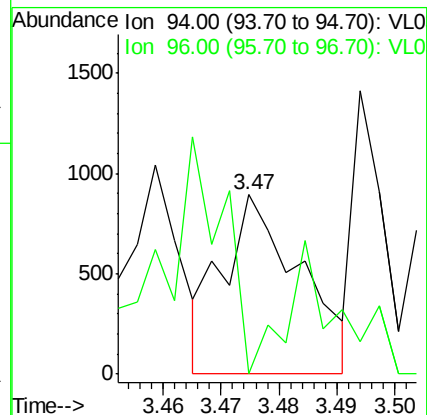
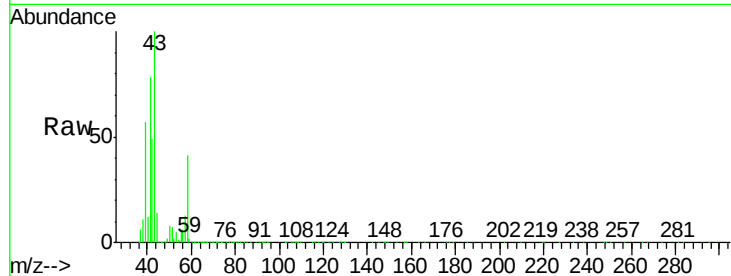
SV1

Tot Ion: 94 Resp: 832

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



#7

Chloroethane

Concen: 0.160 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL036633.D

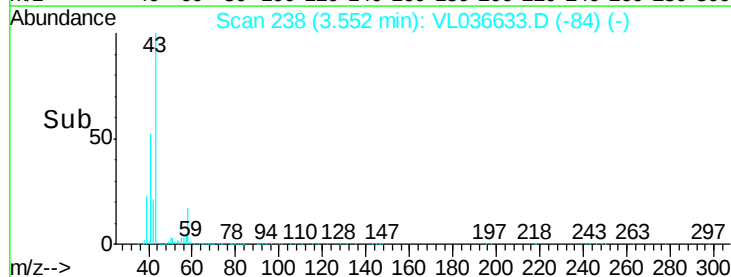
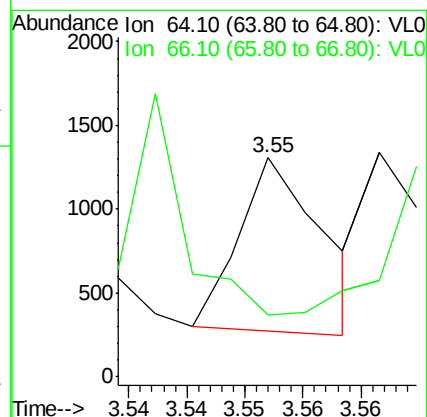
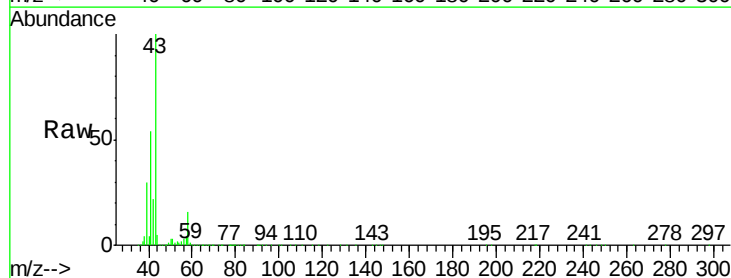
Acq: 1 Apr 2021 15:29

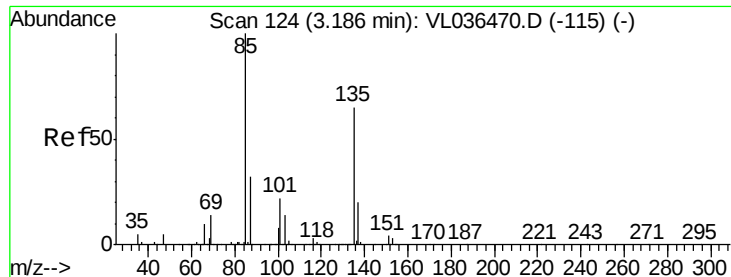
Tgt Ion: 64 Resp: 511

Ion Ratio Lower Upper

64 100

66 28.5 26.2 39.2





#8

Dichlorotetrafluoroethane

Concen: 0.070 ppbv

RT: 3.36 min Scan# 177

Delta R.T. 0.17 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

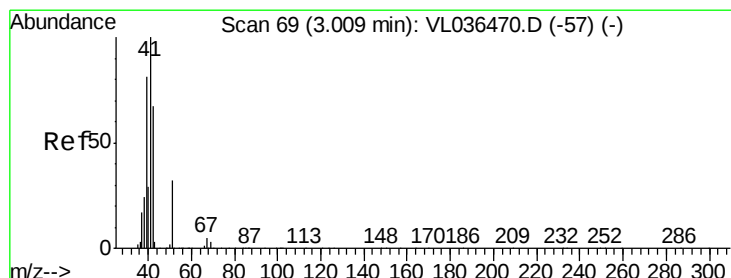
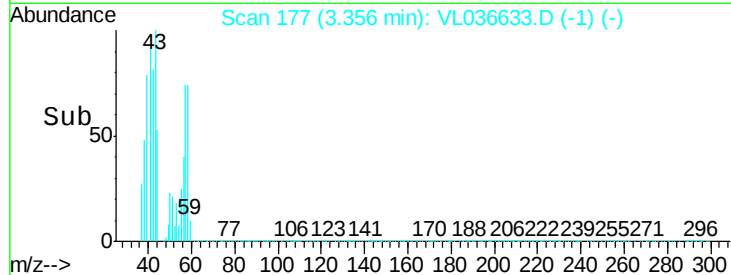
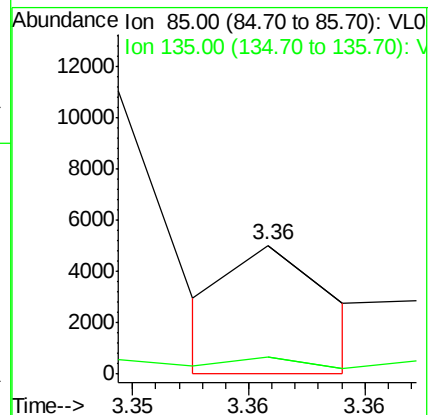
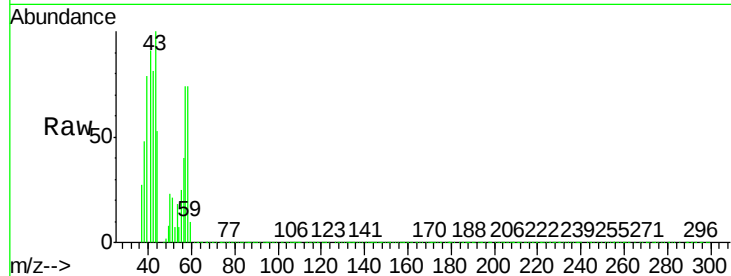
SV1

Tot Ion: 85 Resp: 1503

Ion Ratio Lower Upper

85 100

135 67.2 54.3 81.5



#9

Propene

Concen: 2503.603 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.21 min

Lab File: VL036633.D

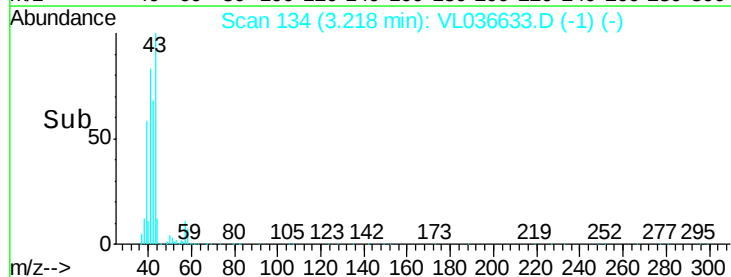
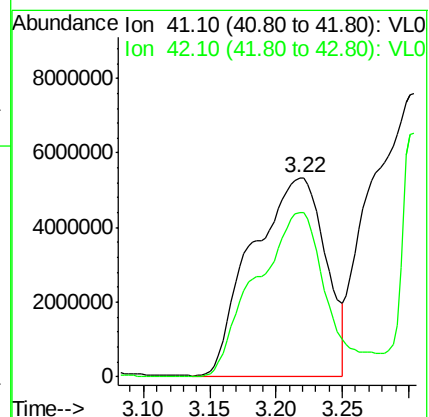
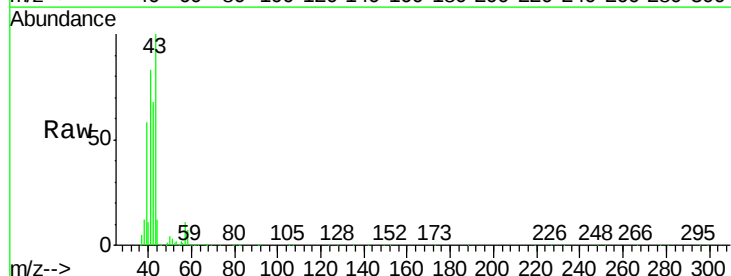
Acq: 1 Apr 2021 15:29

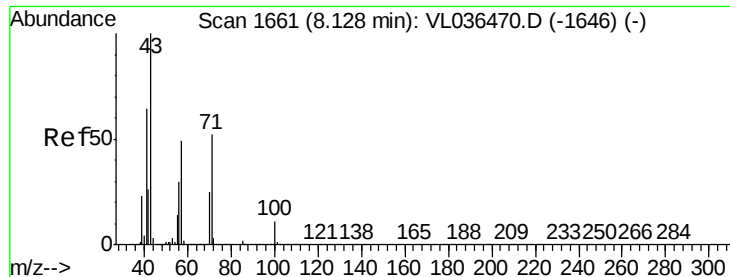
Tgt Ion: 41 Resp: 20451161

Ion Ratio Lower Upper

41 100

42 79.4 57.0 85.4

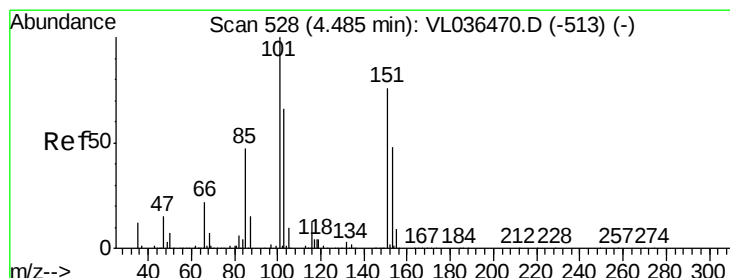
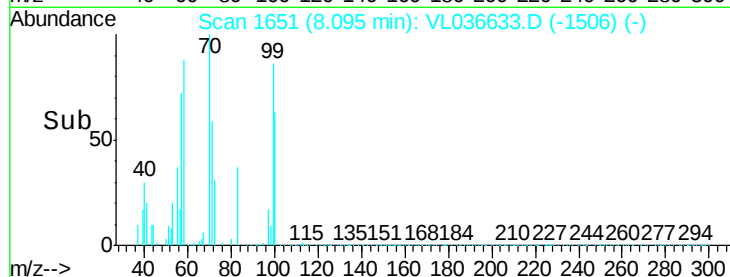
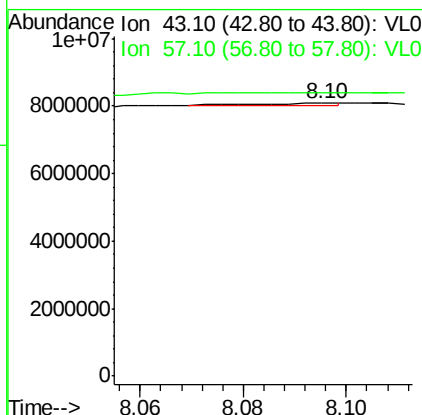
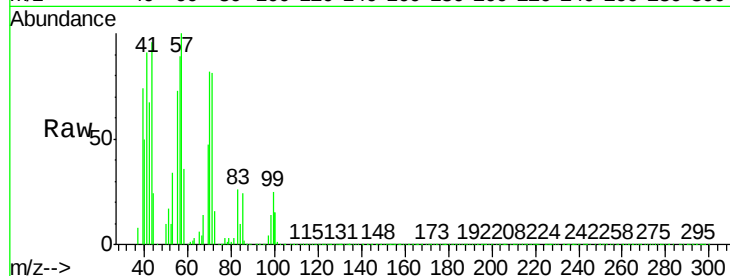




#10
Heptane
Concen: 3.222 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

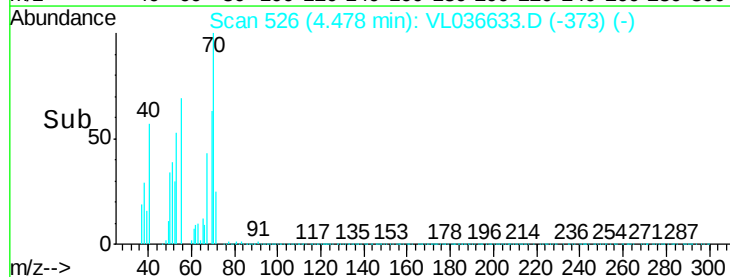
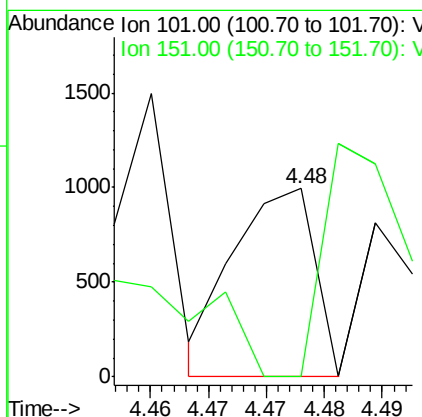
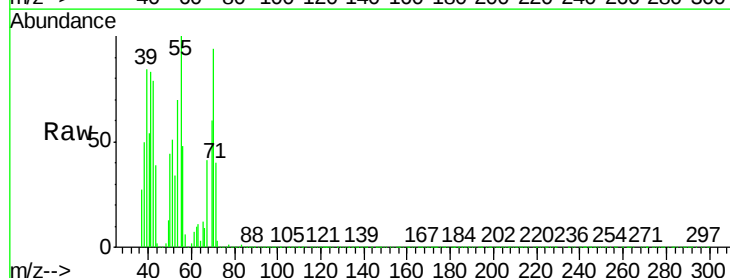
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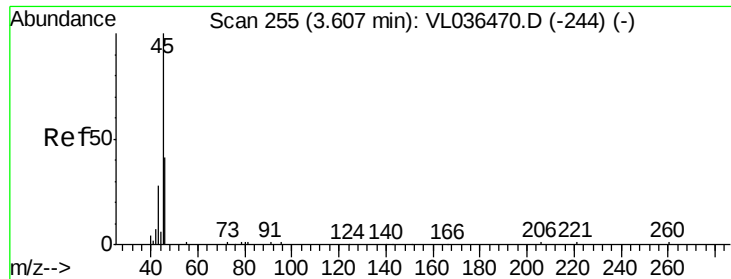
Tot Ion: 43 Resp: 67057
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.033 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 101 Resp: 485
Ion Ratio Lower Upper
101 100
151 0.0 60.9 91.3#





#13

Ethanol

Concen: 23.554 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampled :

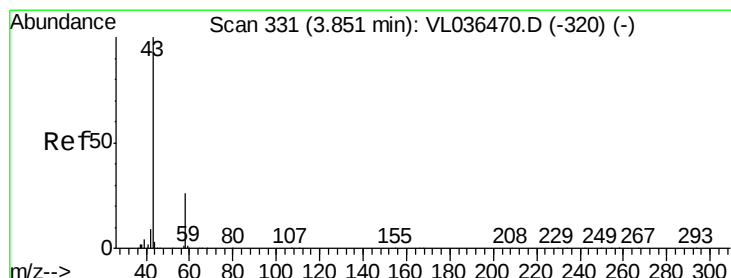
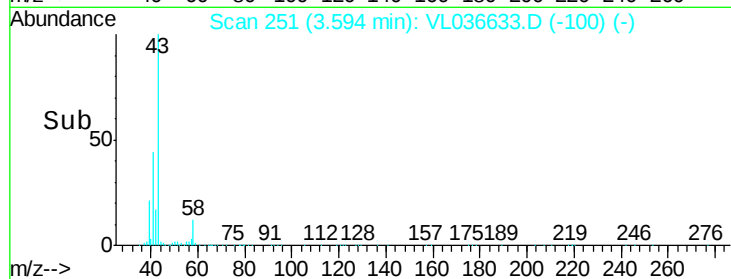
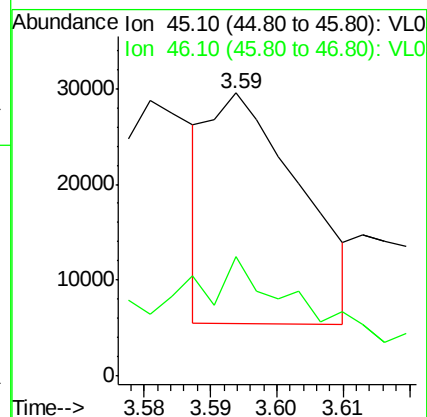
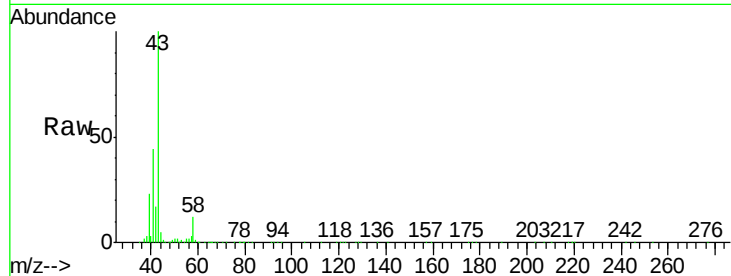
SV1

Tot Ion: 45 Resp: 22912

Ion Ratio Lower Upper

45 100

46 140.3 16.6 66.2#



#15

Acetone

Concen: 2644.437 ppbv

RT: 3.89 min Scan# 344

Delta R.T. 0.04 min

Lab File: VL036633.D

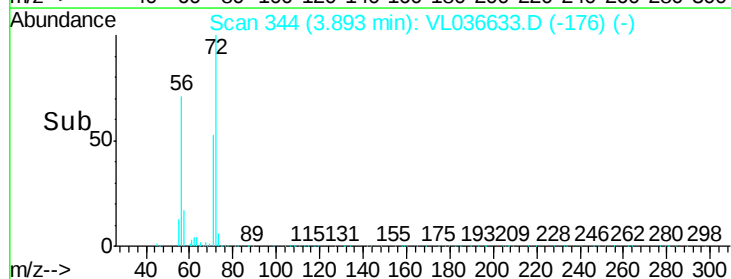
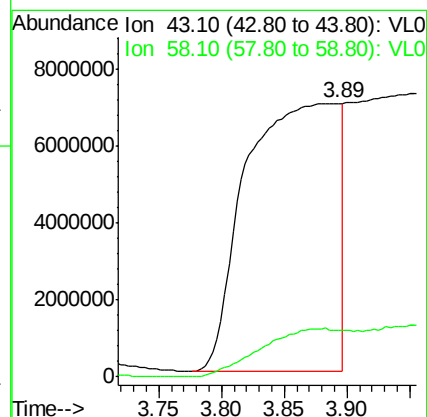
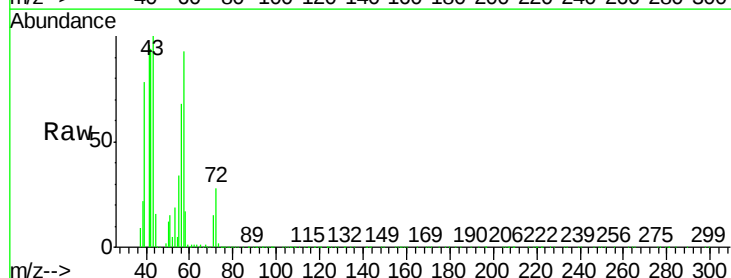
Acq: 1 Apr 2021 15:29

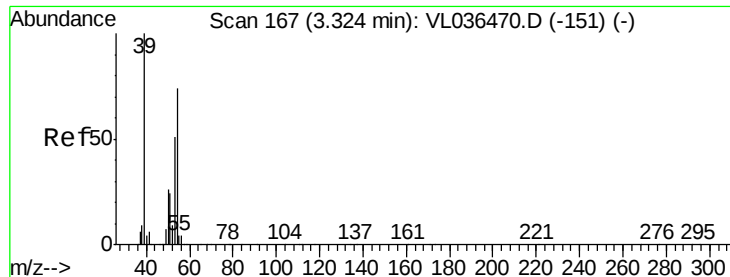
Tgt Ion: 43 Resp: 35695075

Ion Ratio Lower Upper

43 100

58 16.8 21.2 31.8#





#16

1,3-Butadiene

Concen: 1603.627 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.02 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

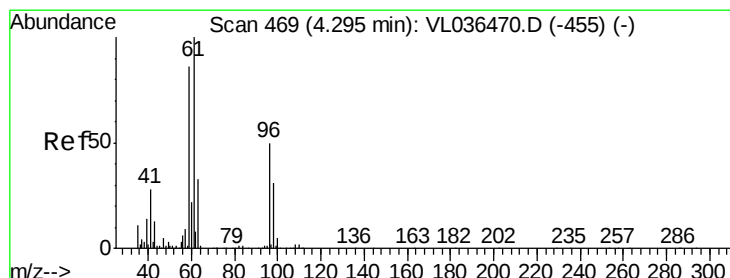
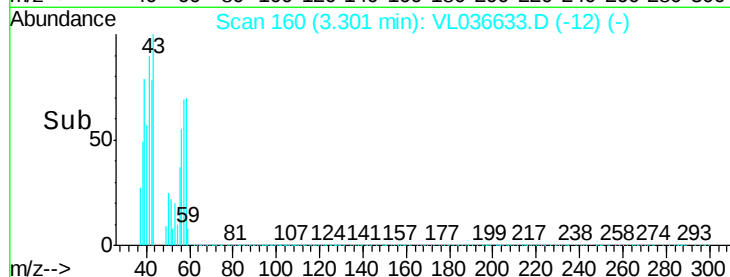
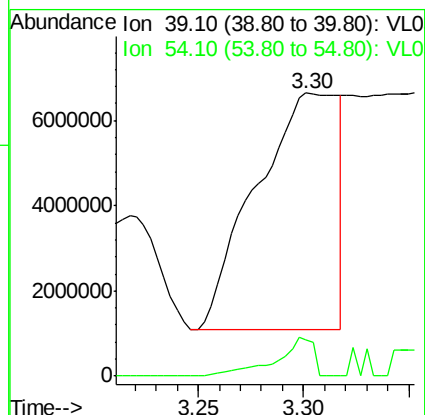
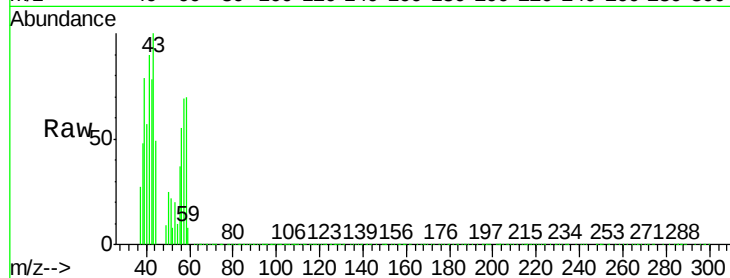
SV1

Tot Ion: 39 Resp:15070046

Ion Ratio Lower Upper

39 100

54 7.4 58.8 88.2#



#17

tert-Butyl alcohol

Concen: 1.244 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL036633.D

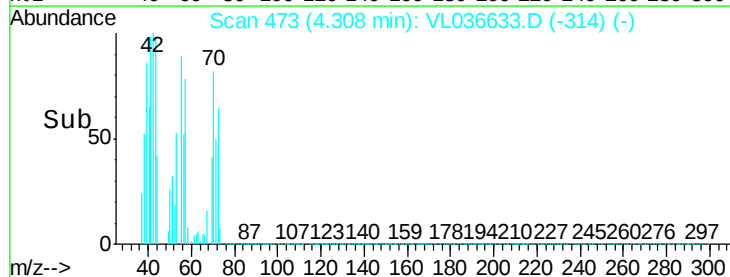
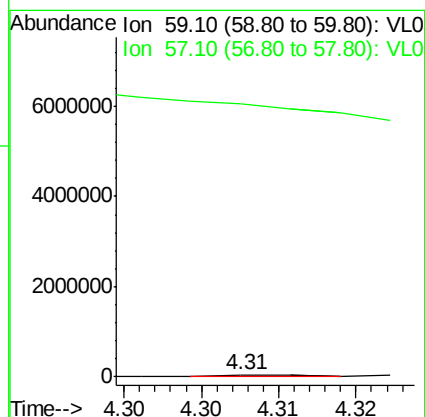
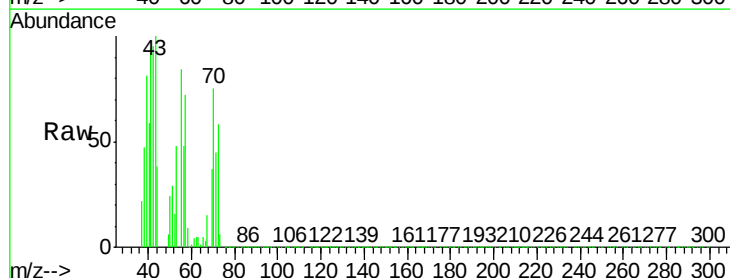
Acq: 1 Apr 2021 15:29

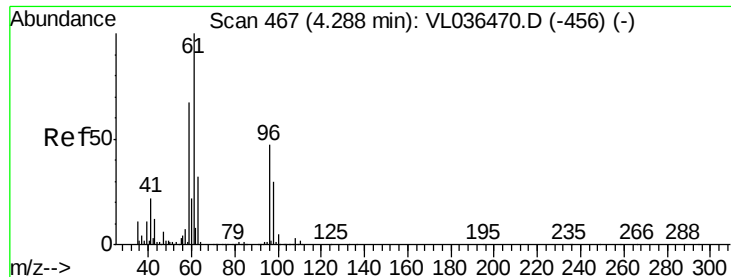
Tgt Ion: 59 Resp: 14614

Ion Ratio Lower Upper

59 100

57 715188.5 8.6 12.8#





#18

1,1-Dichloroethene

Concen: 0.350 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

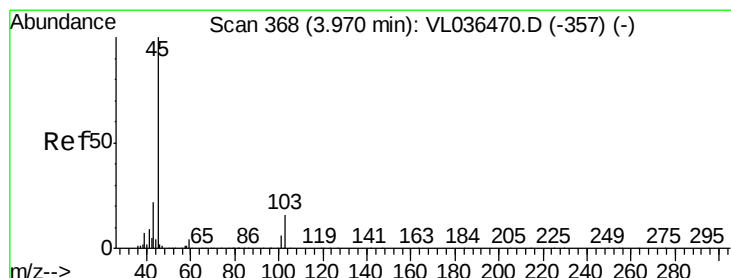
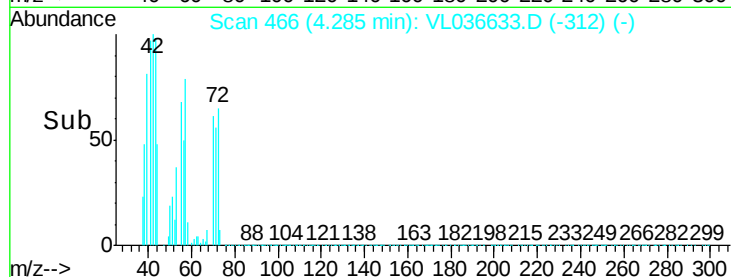
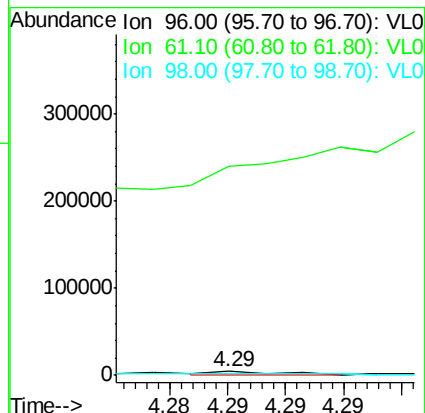
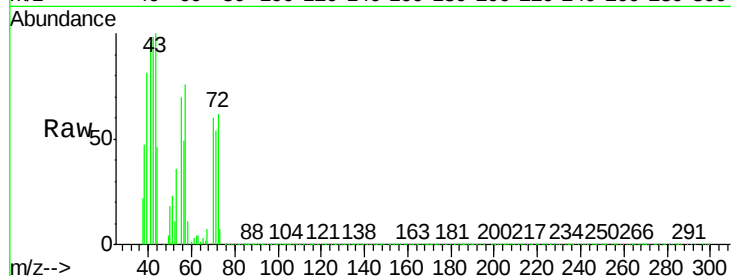
Tot Ion: 96 Resp: 2271

Ion Ratio Lower Upper

96 100

61 633.0 168.6 253.0#

98 10.9 50.8 76.2#



#19

Isopropyl Alcohol

Concen: 3.073 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL036633.D

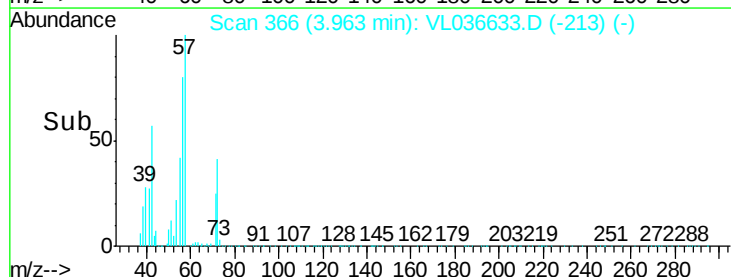
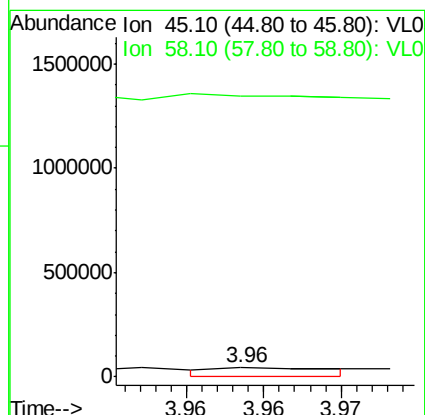
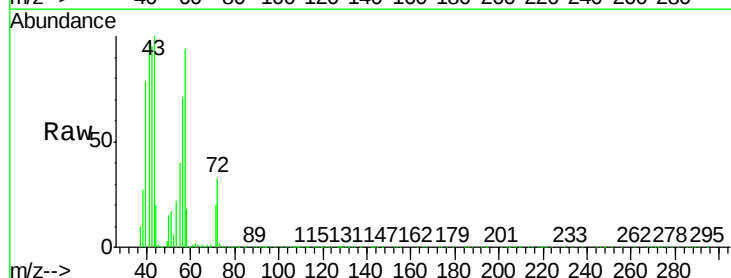
Acq: 1 Apr 2021 15:29

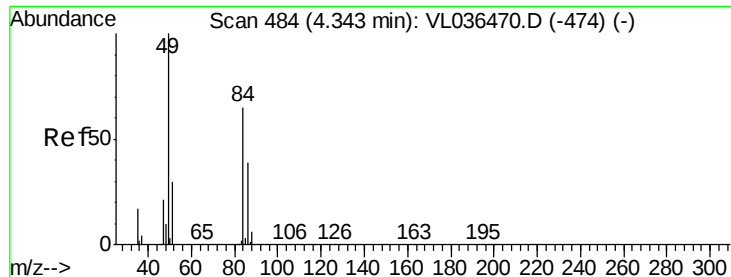
Tgt Ion: 45 Resp: 22815

Ion Ratio Lower Upper

45 100

58 43739.9 2.9 4.3#

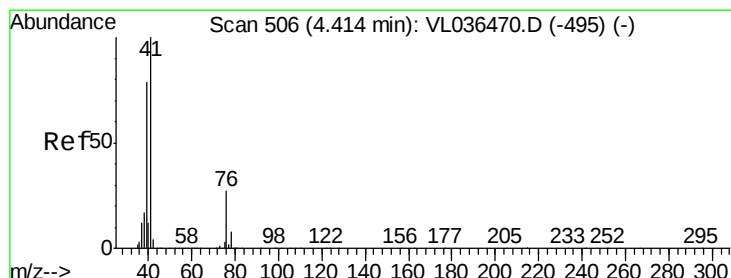
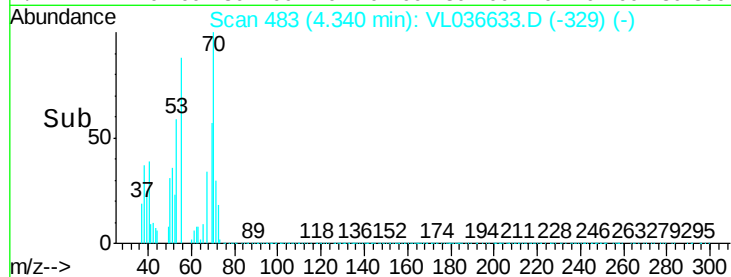
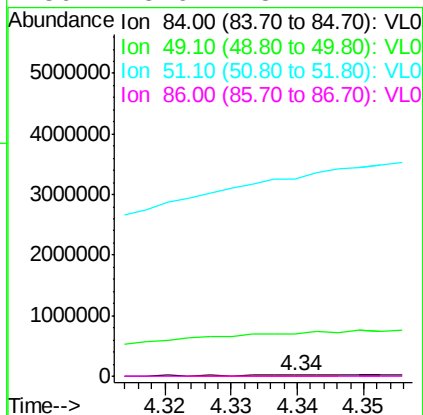
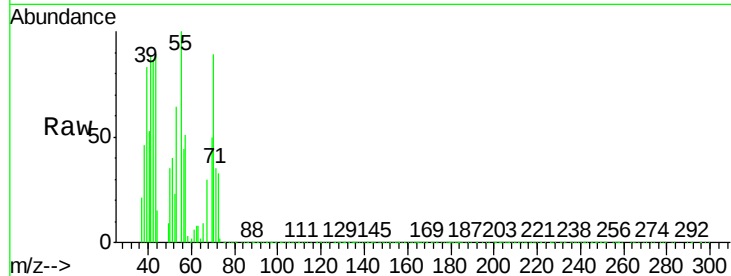




#20
Methylene Chloride
Concen: 2.223 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

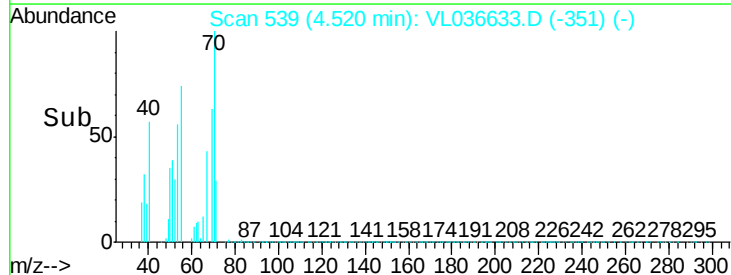
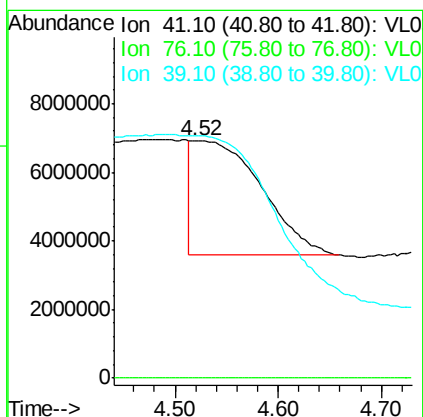
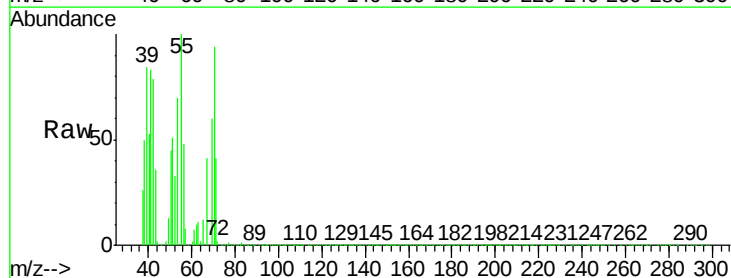
Instrument :
MSVOA_L
ClientSampled :
SV1

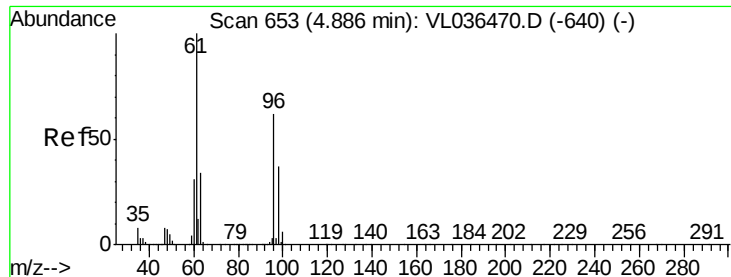
Tot Ion: 84 Resp: 14048
Ion Ratio Lower Upper
84 100
49 2069.5 122.9 184.3#
51 8943.5 36.9 55.3#
86 5.6 48.2 72.4#



#21
Allyl Chloride
Concen: 1434.810 ppbv
RT: 4.52 min Scan# 539
Delta R.T. 0.11 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 41 Resp:15438815
Ion Ratio Lower Upper
41 100
76 0.3 22.9 34.3#
39 521.6 67.3 100.9#





#22

trans-1,2-Dichloroethene

Concen: 0.055 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

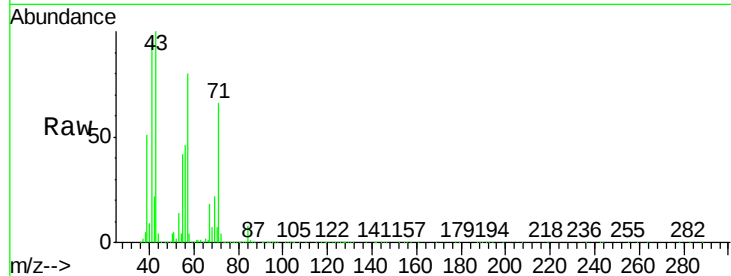
Tot Ion: 96 Resp: 329

Ion Ratio Lower Upper

96 100

61 134.4 129.4 194.0

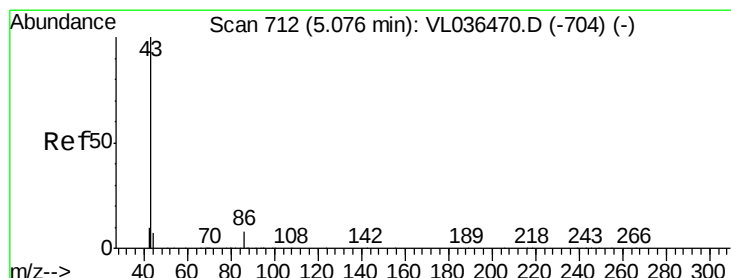
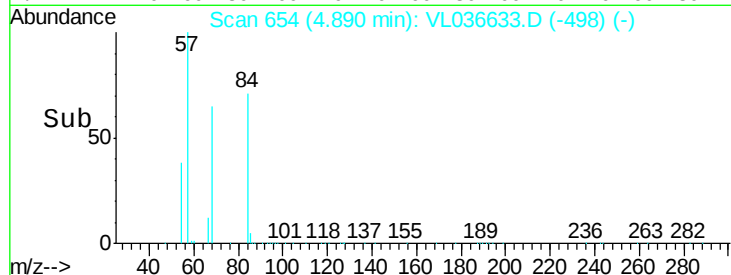
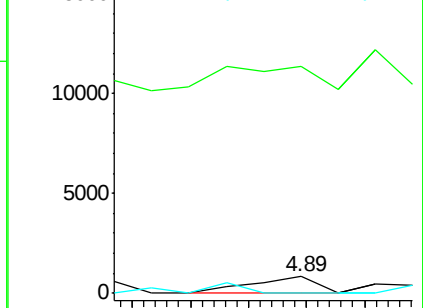
98 0.0 48.2 72.4#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 505.830 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Tgt Ion: 43 Resp: 11679156

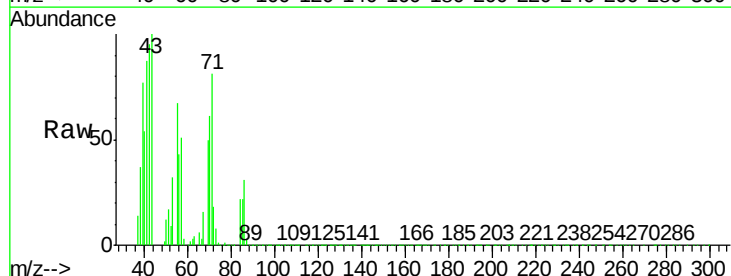
Ion Ratio Lower Upper

43 100

86 37.4 5.4 8.0#

42 101.6 8.5 12.7#

44 0.0 4.6 7.0#

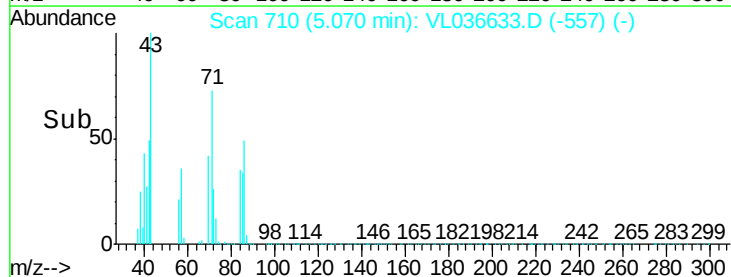
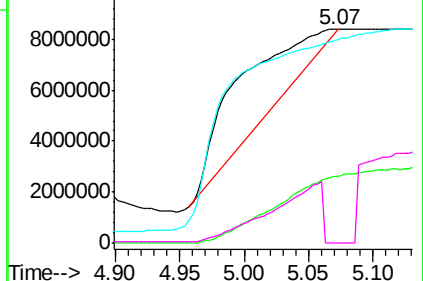


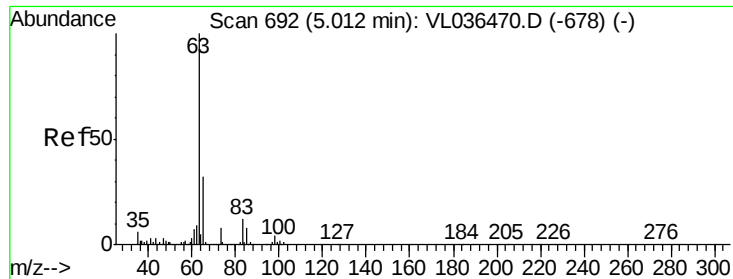
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 1.643 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.04 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

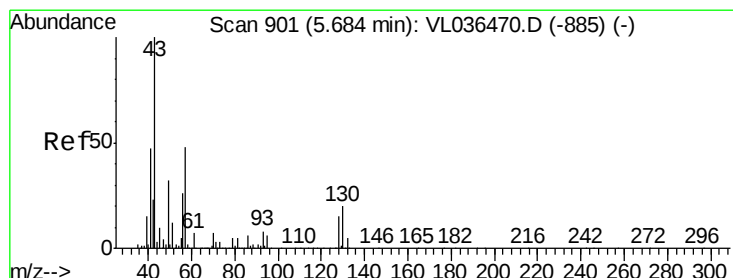
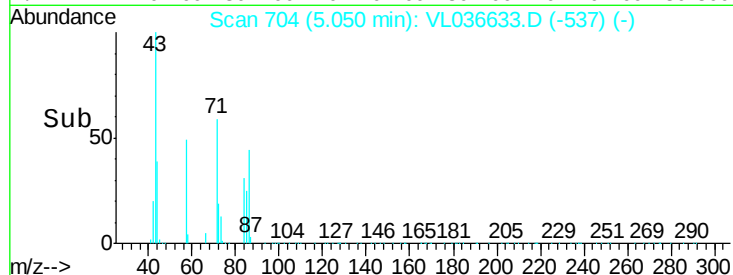
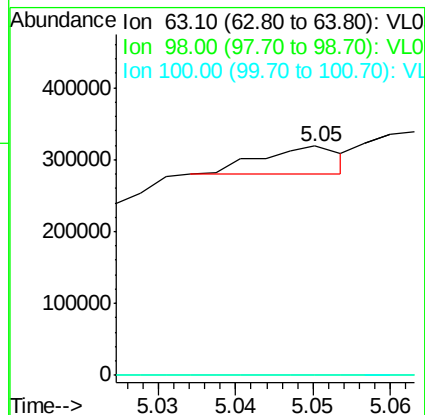
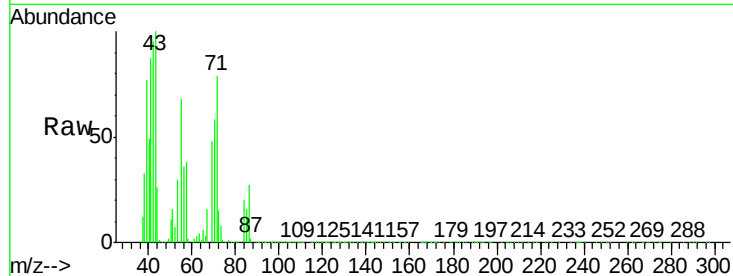
Tot Ion: 63 Resp: 27645

Ion Ratio Lower Upper

63 100

98 0.4 2.1 6.2#

100 0.1 0.9 2.8#



#25

Ethyl Acetate

Concen: 2.370 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Tgt Ion: 43 Resp: 76045

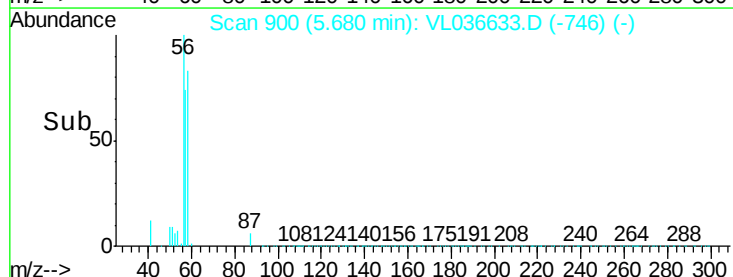
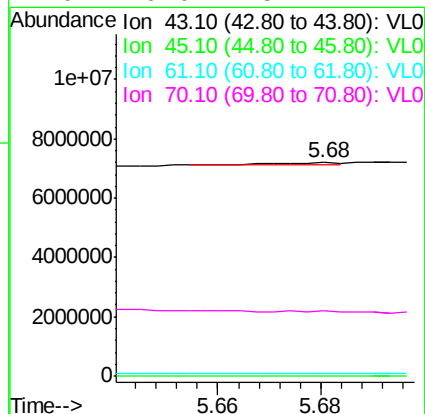
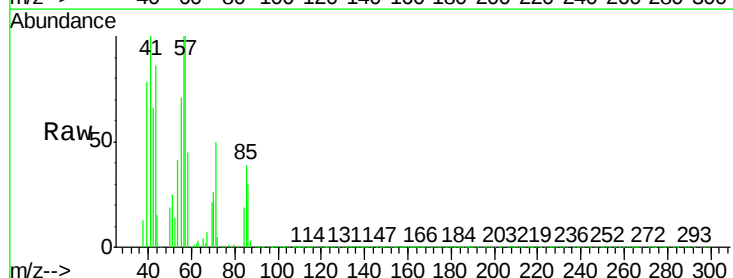
Ion Ratio Lower Upper

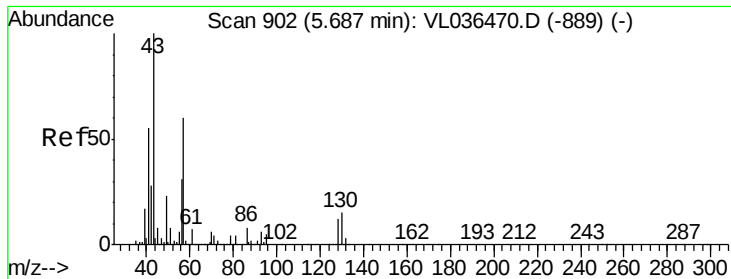
43 100

45 0.0 7.9 11.9#

61 35.6 7.4 11.2#

70 0.0 5.1 7.7#





#26

Hexane

Concen: 118.944 ppbv

RT: 5.97 min Scan# 990

Delta R.T. 0.28 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

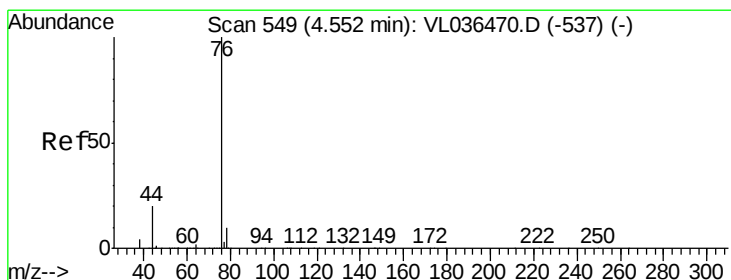
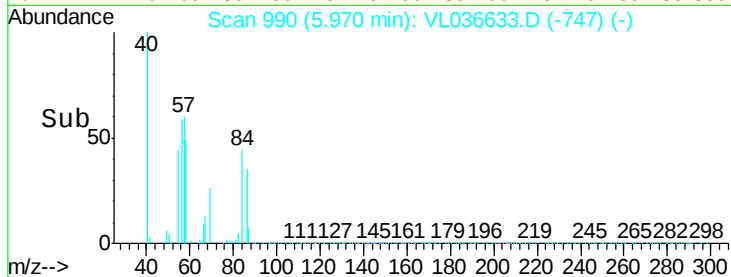
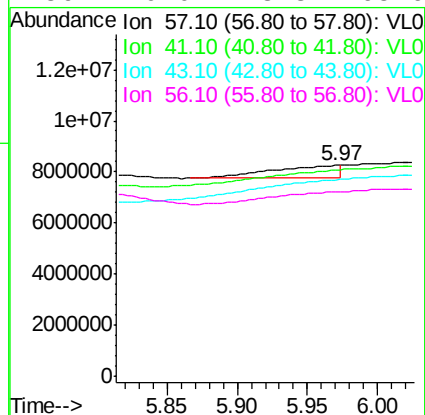
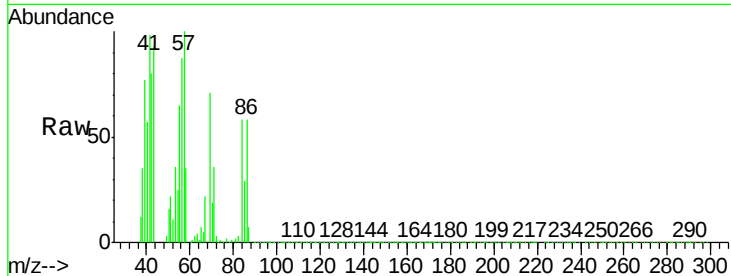
MSVOA_L

ClientSampleId :

SV1

Tot Ion: 57 Resp: 1771331

Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.2	115.8#
43	0.0	173.8	260.6#
56	0.0	43.8	65.6#



#27

Carbon Disulfide

Concen: 0.245 ppbv

RT: 4.55 min Scan# 547

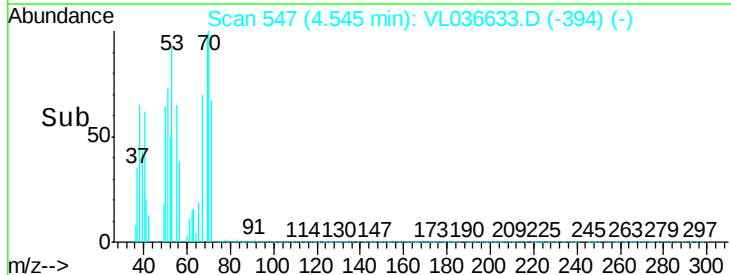
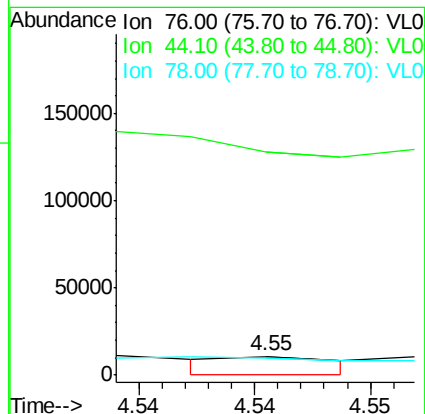
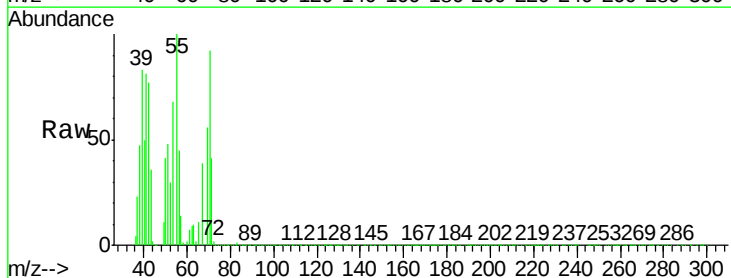
Delta R.T. -0.01 min

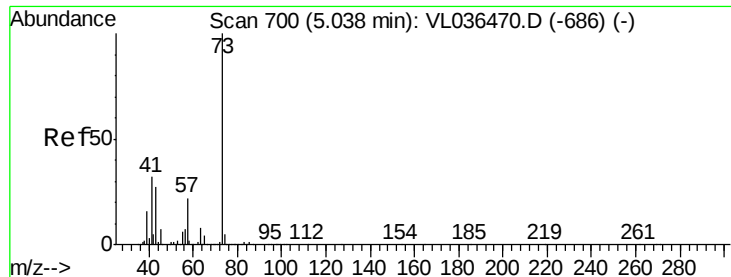
Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Tgt Ion: 76 Resp: 3595

Ion	Ratio	Lower	Upper
76	100		
44	0.0	17.5	26.3#
78	0.0	8.6	13.0#



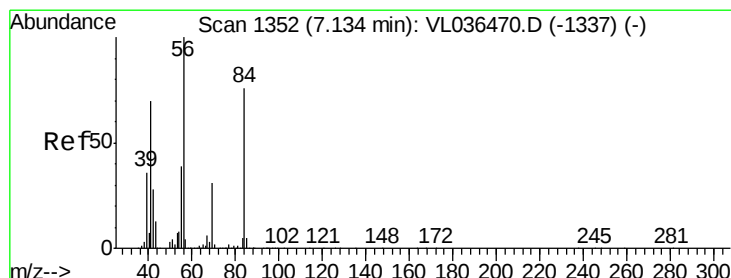
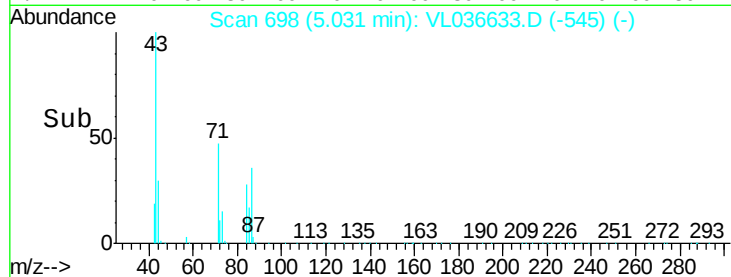
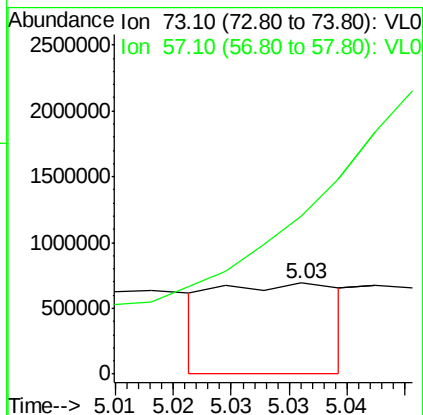
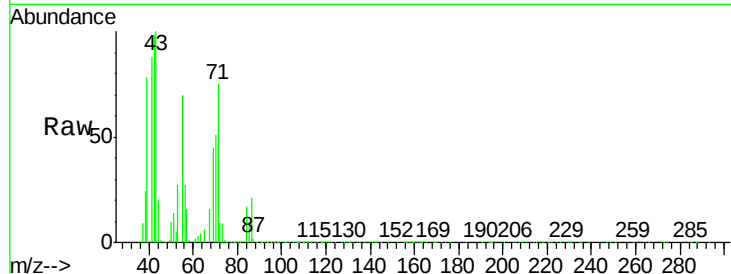


#28

Methvl tert-Butvl Ether
 Concen: 29.132 ppbv
 RT: 5.03 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

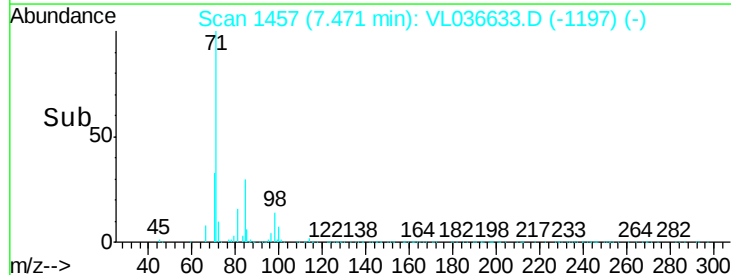
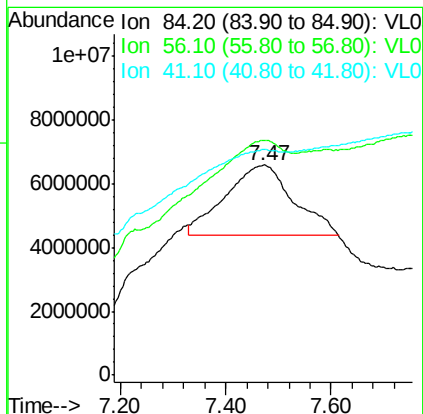
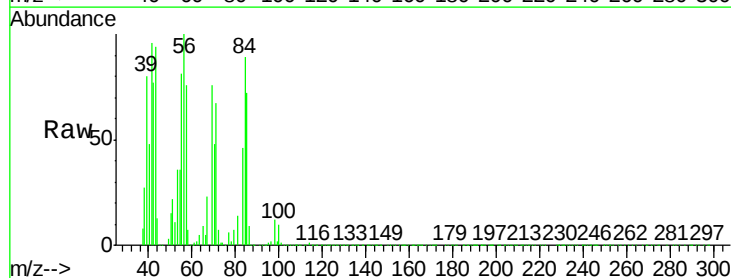
Tot Ion: 73 Resp: 511630
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.5 27.7#

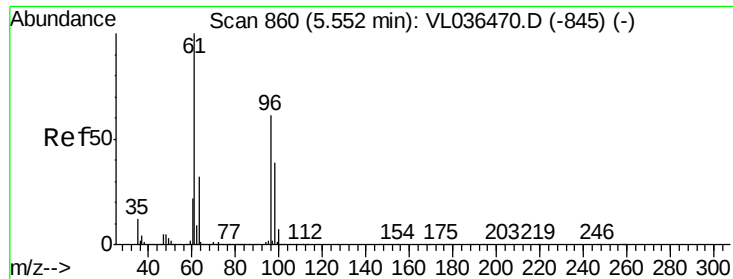


#30

Cyclohexane
 Concen: 1635.969 ppbv
 RT: 7.47 min Scan# 1457
 Delta R.T. 0.34 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Tgt Ion: 84 Resp:19758731
 Ion Ratio Lower Upper
 84 100
 56 333.6 114.6 171.8#
 41 164.7 75.3 112.9#





#31

cis-1,2-Dichloroethene

Concen: 0.312 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

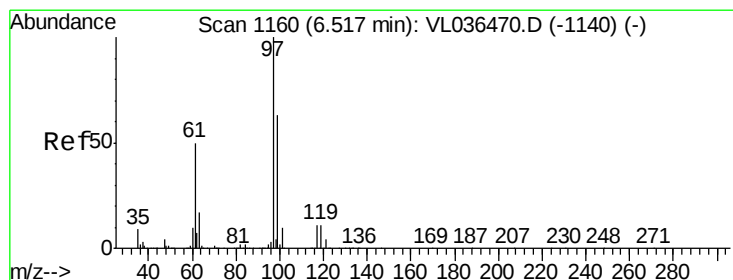
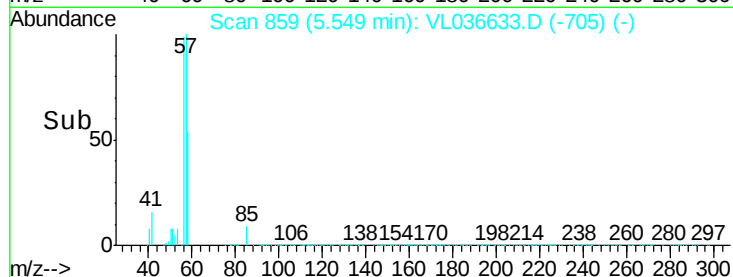
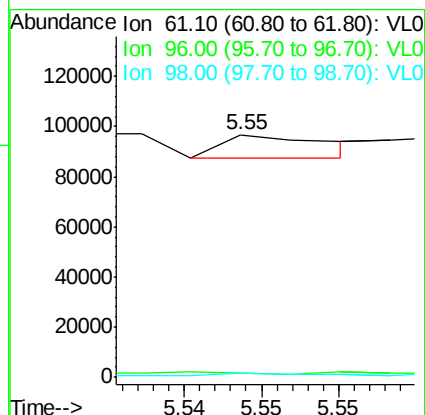
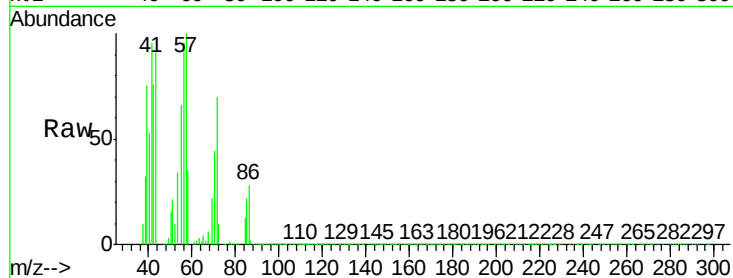
Tot Ion: 61 Resp: 4499

Ion Ratio Lower Upper

61 100

96 0.0 48.7 73.1#

98 8.3 31.4 47.0#



#32

1,1,1-Trichloroethane

Concen: 0.141 ppbv

RT: 6.45 min Scan# 1139

Delta R.T. -0.07 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

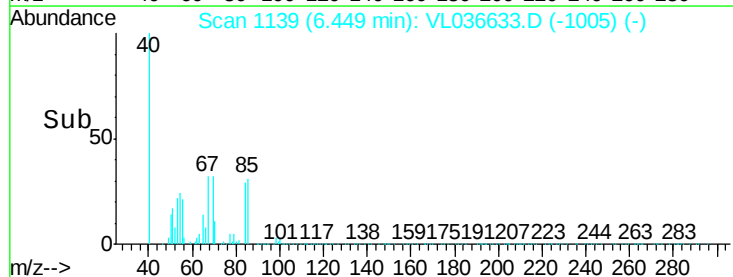
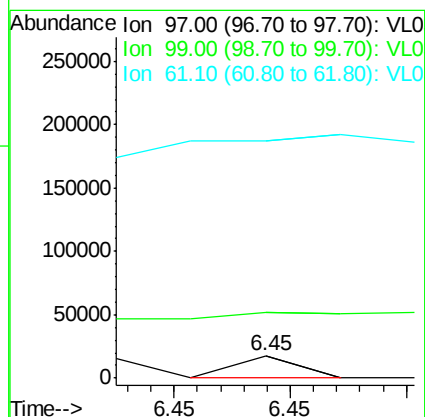
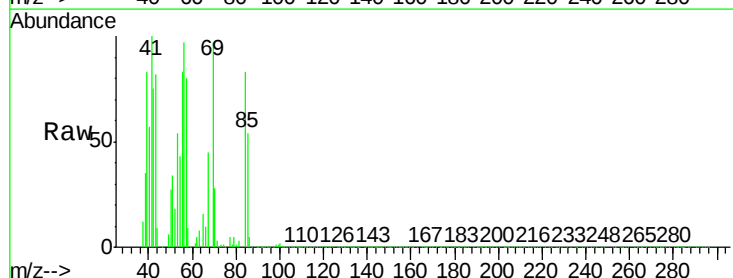
Tgt Ion: 97 Resp: 3380

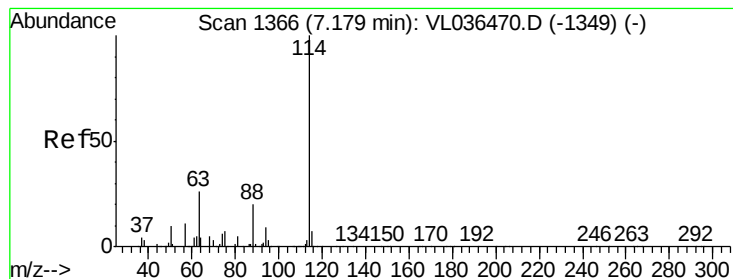
Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 22946.2 40.6 60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

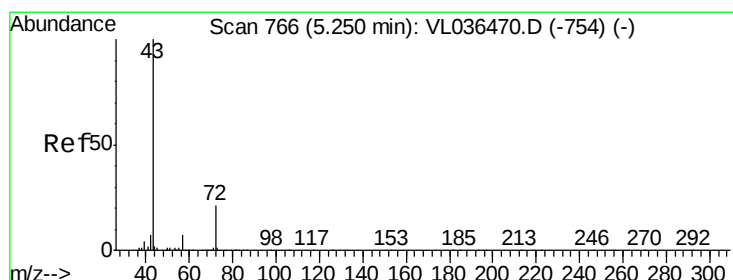
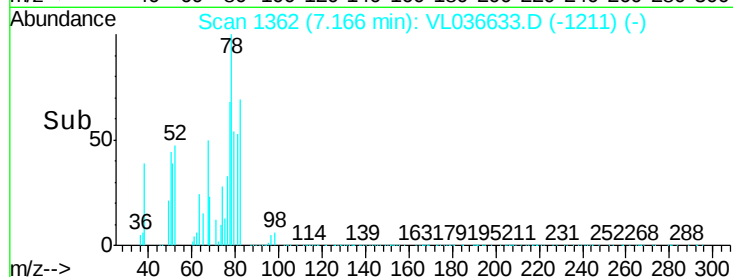
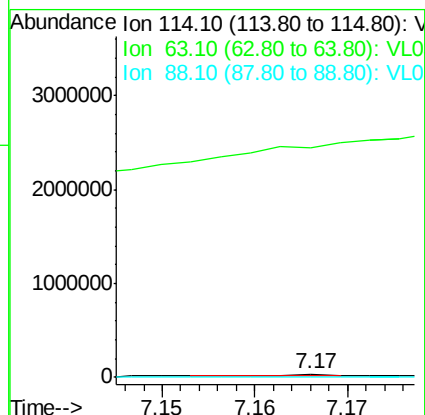
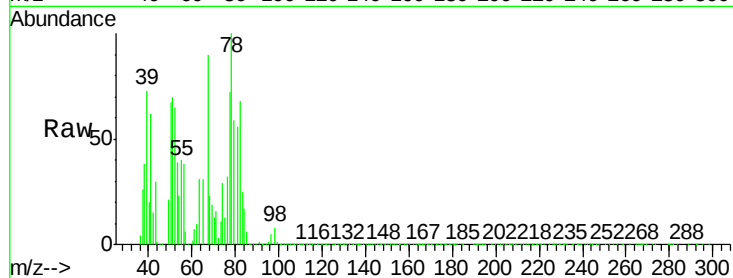
Tot Ion:114 Resp: 8512

Ion Ratio Lower Upper

114 100

63 0.0 22.4 33.6#

88 0.0 15.4 23.0#



#34

2-Butanone

Concen: 28108.768 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.18 min

Lab File: VL036633.D

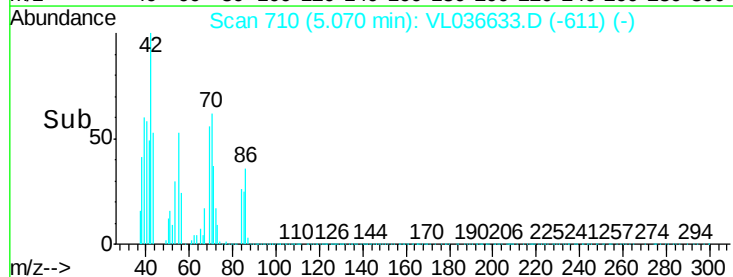
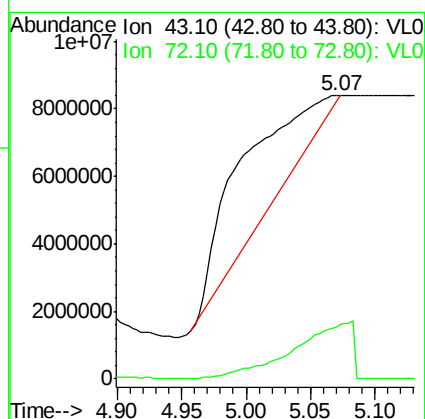
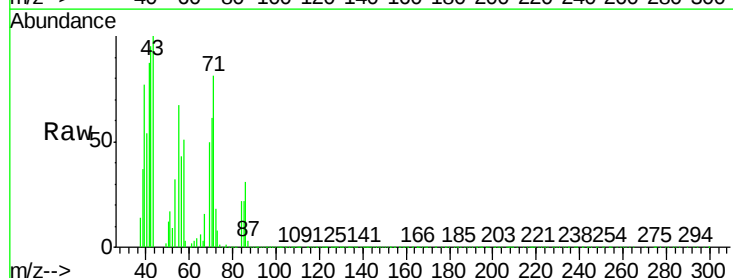
Acq: 1 Apr 2021 15:29

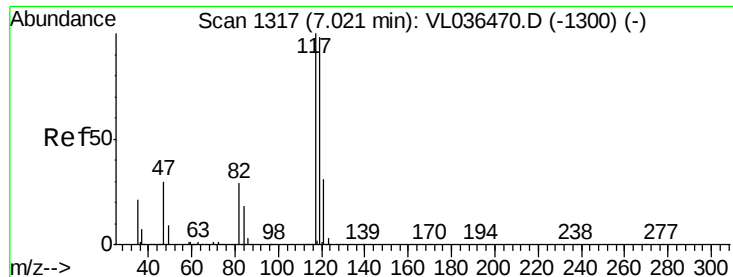
Tgt Ion: 43 Resp:11679156

Ion Ratio Lower Upper

43 100

72 46.0 17.0 25.6#

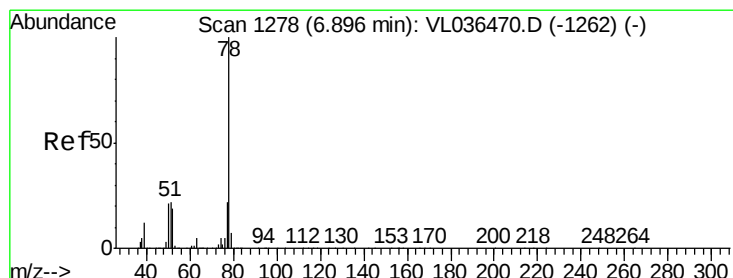
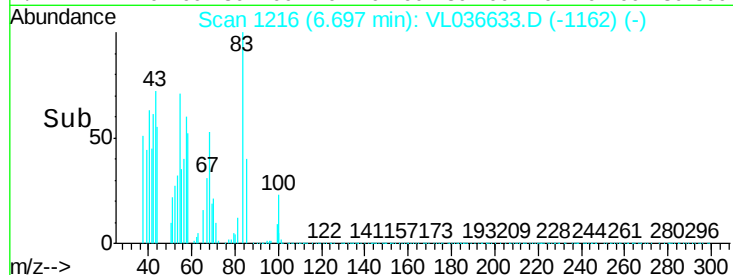
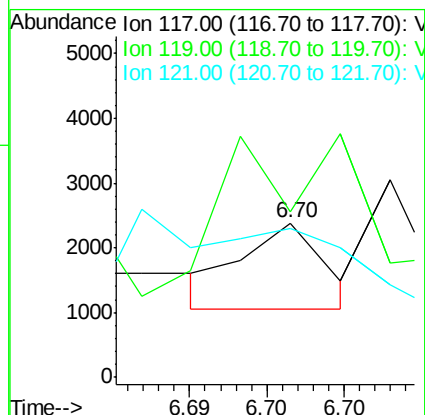
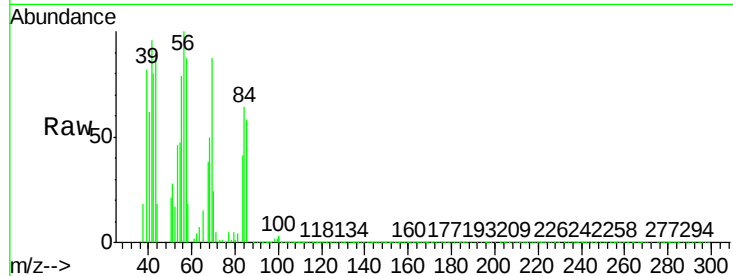




#35
Carbon Tetrachloride
Concen: 0.746 ppbv
RT: 6.70 min Scan# 1216
Delta R.T. -0.32 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

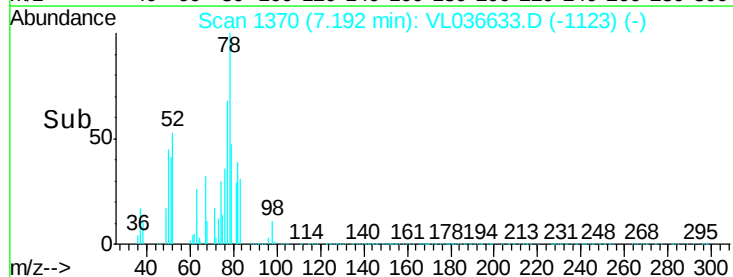
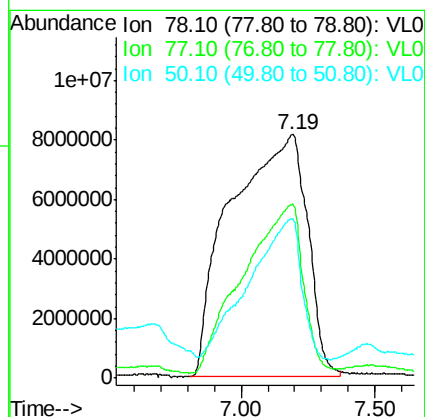
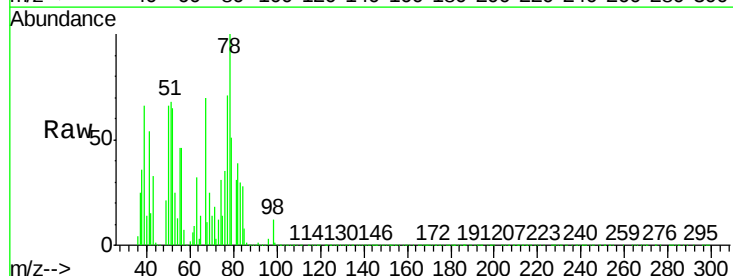
Instrument :
MSVOA_L
ClientSampleId :
SV1

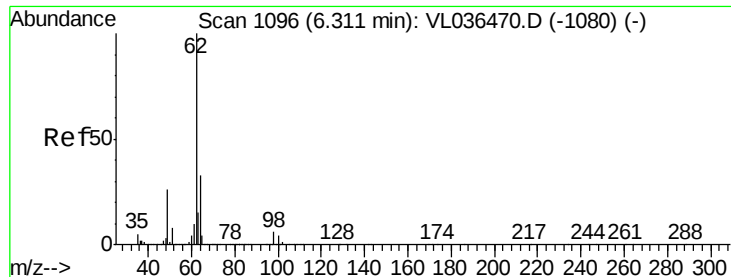
Tot Ion:117 Resp: 488
Ion Ratio Lower Upper
117 100
119 102.0 78.2 117.2
121 32.7 24.5 36.7



#36
Benzene
Concen: 204148.154 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.30 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 78 Resp:160263910
Ion Ratio Lower Upper
78 100
77 69.8 18.0 27.0#
50 57.3 16.5 24.7#





#37

1,2-Dichloroethane

Concen: 69.883 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

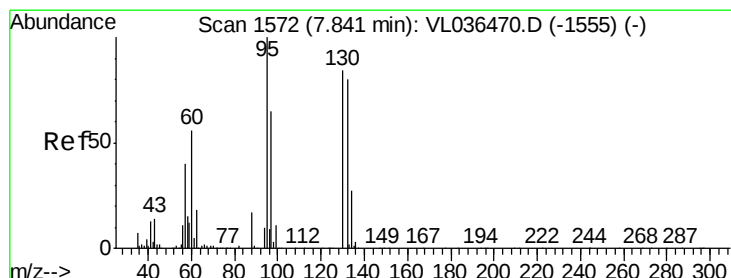
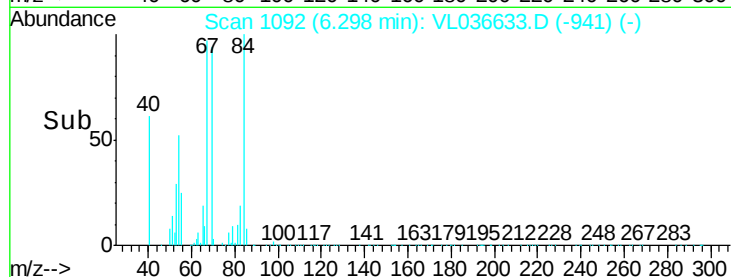
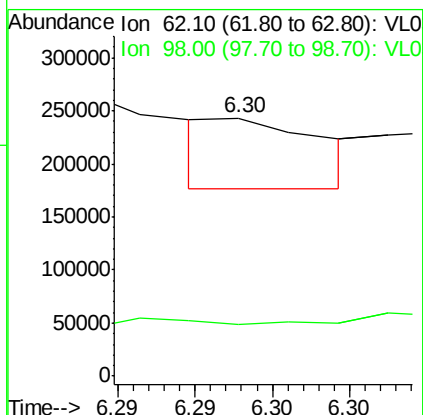
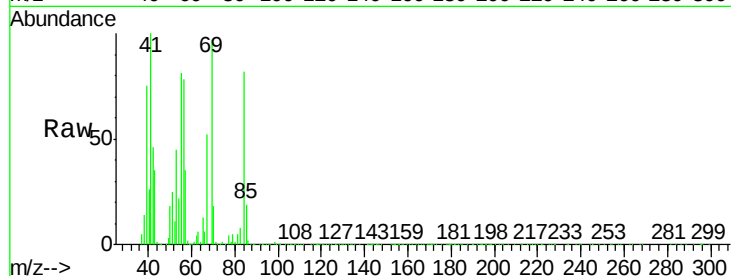
SV1

Tot Ion: 62 Resp: 32289

Ion Ratio Lower Upper

62 100

98 0.0 4.9 7.3#



#38

Trichloroethene

Concen: 1.591 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Tgt Ion: 130 Resp: 486

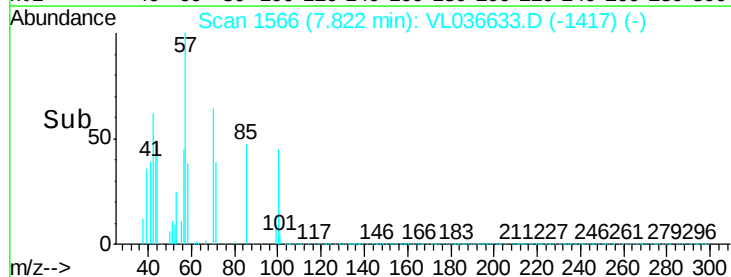
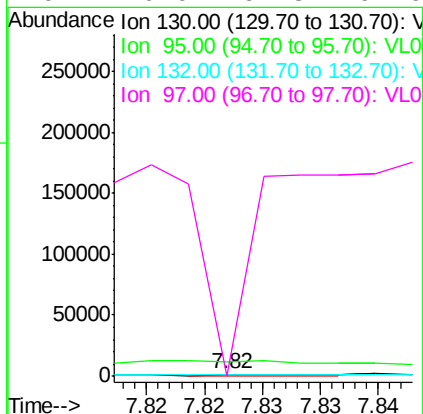
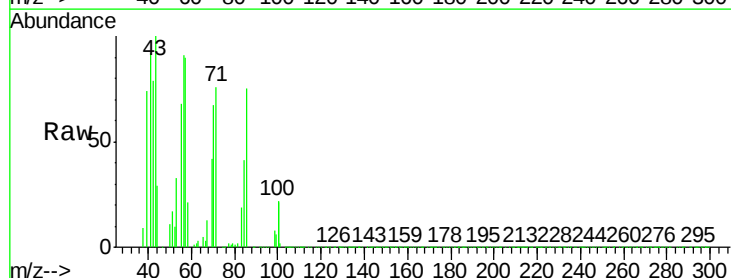
Ion Ratio Lower Upper

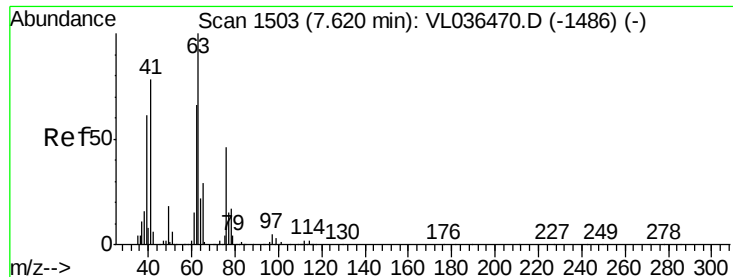
130 100

95 105.5 95.7 143.5

132 5.1 76.2 114.4#

97 0.0 61.8 92.6#





#39

1,2-Dichloropropane

Concen: 15990.810 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.43 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

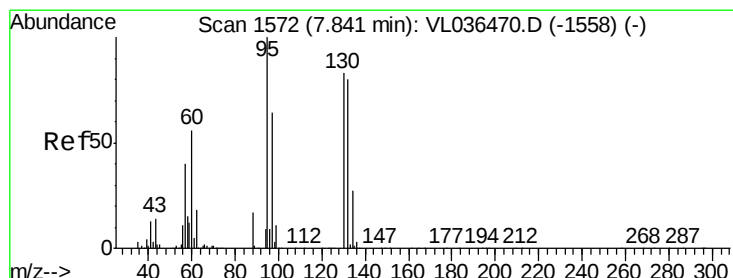
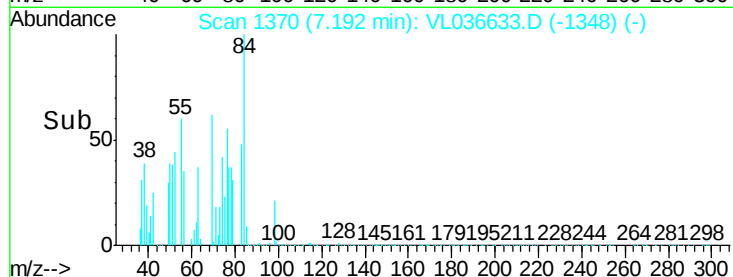
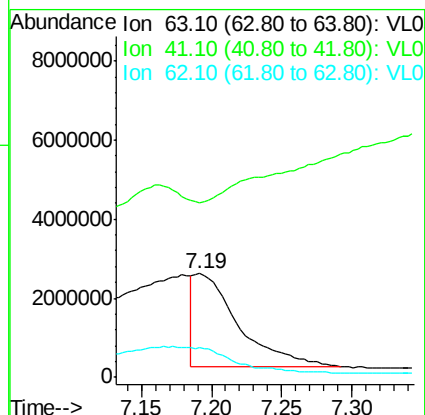
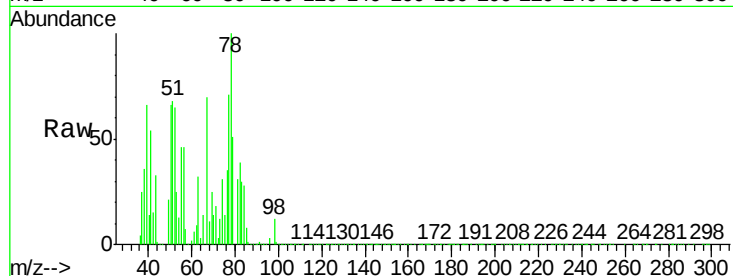
Tot Ion: 63 Resp: 5092257

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

62 27.2 52.8 79.2#



#40

1,4-Dioxane

Concen: 13.020 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Tgt Ion: 88 Resp: 965

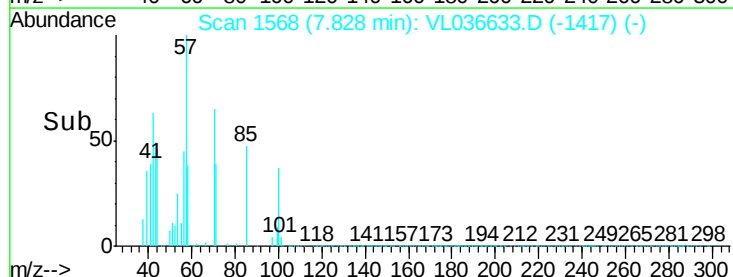
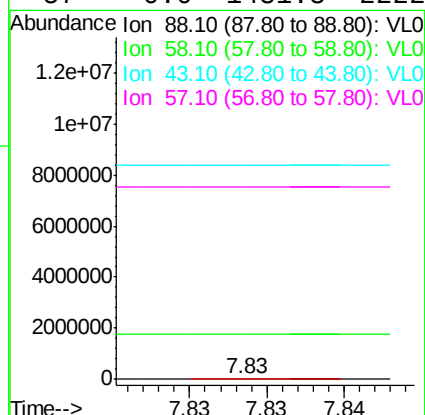
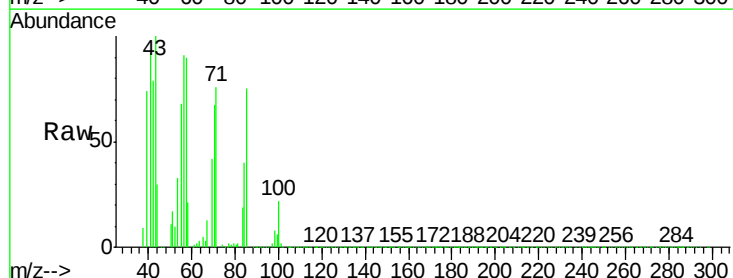
Ion Ratio Lower Upper

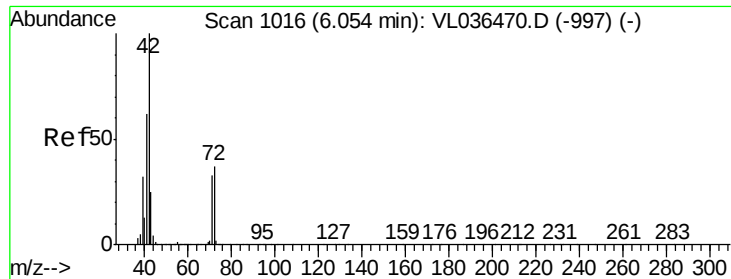
88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#





#41

Tetrahydrofuran

Concen: 75272.202 ppbv

RT: 6.09 min Scan# 1026

Delta R.T. 0.03 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

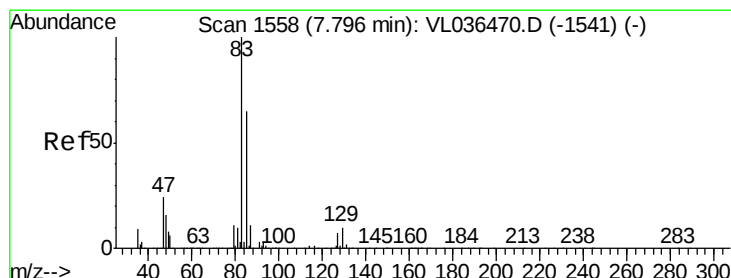
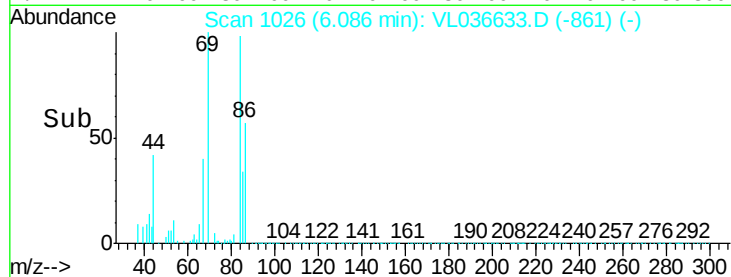
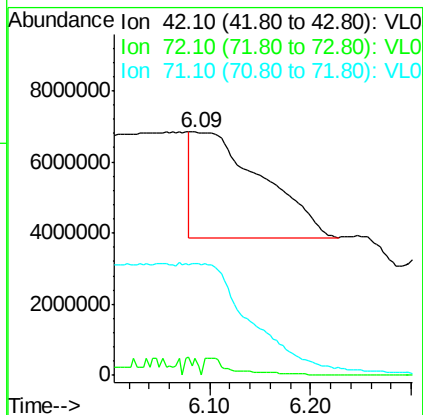
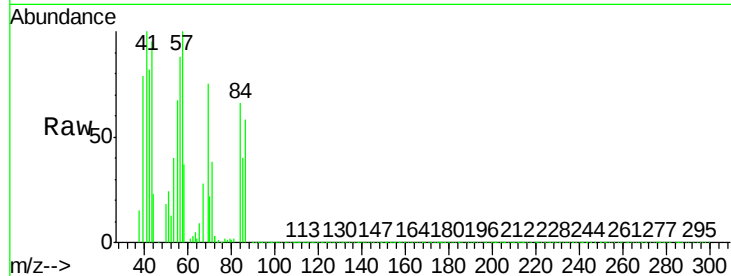
Tot Ion: 42 Resp:14420483

Ion Ratio Lower Upper

42 100

72 9.7 27.6 41.4#

71 337.2 27.0 40.4#



#42

Bromodichloromethane

Concen: 141.071 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.03 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

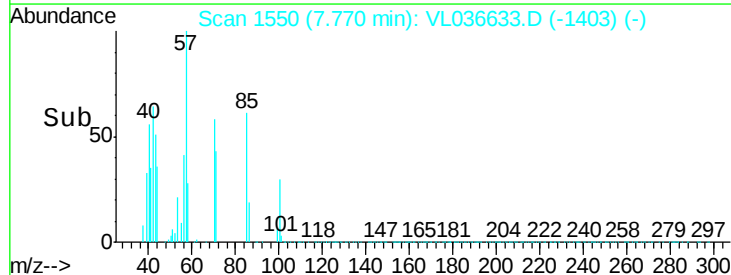
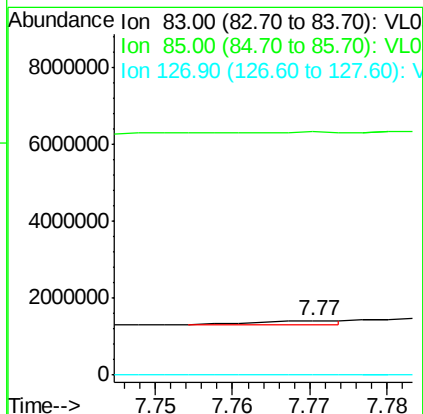
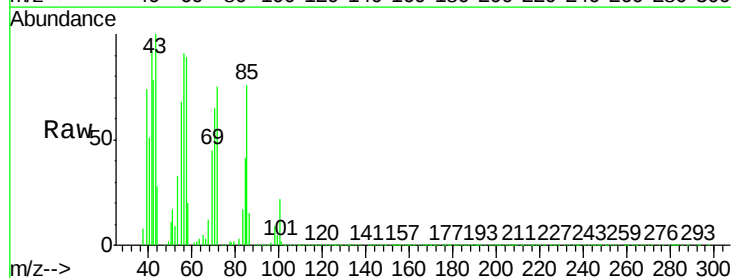
Tgt Ion: 83 Resp: 88660

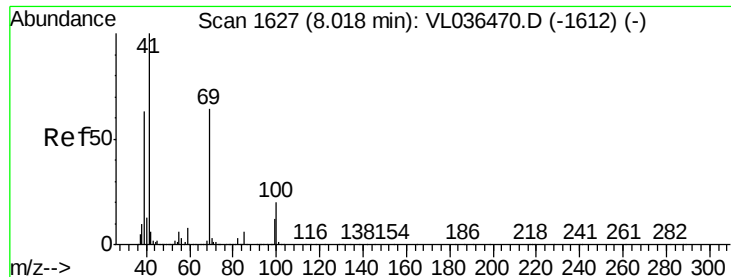
Ion Ratio Lower Upper

83 100

85 26.0 51.8 77.6#

127 0.0 5.8 8.8#

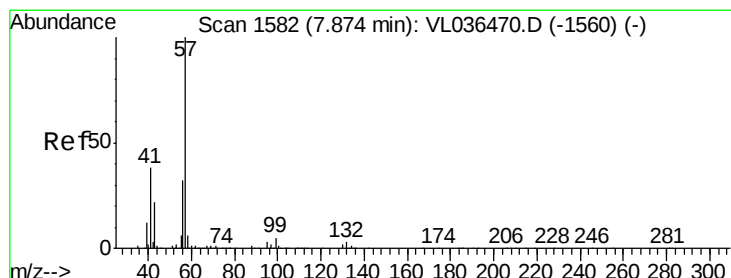
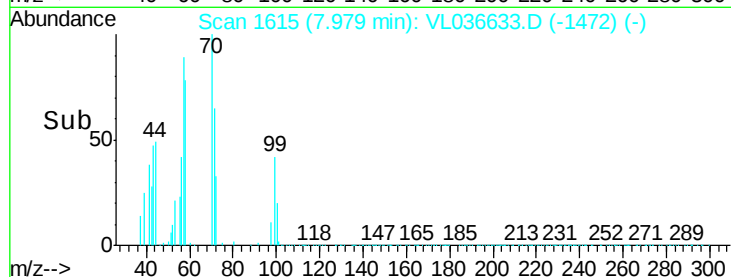
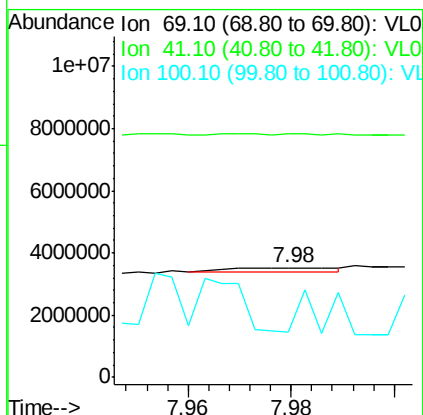
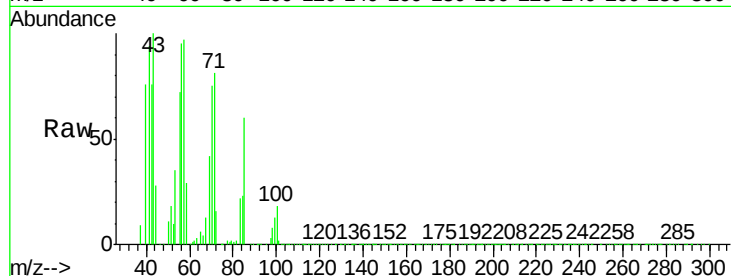




#43
Methvl Methacrylate
Concen: 764.778 ppbv
RT: 7.98 min Scan# 1615
Delta R.T. -0.04 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

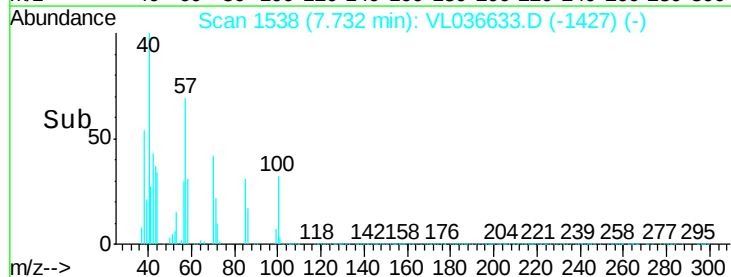
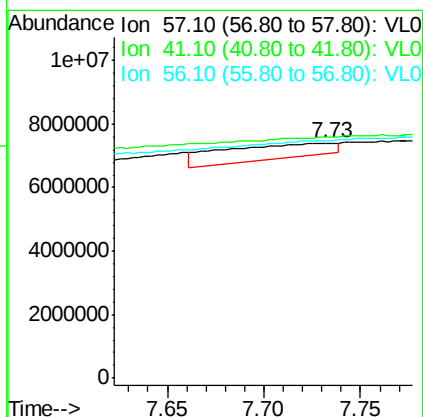
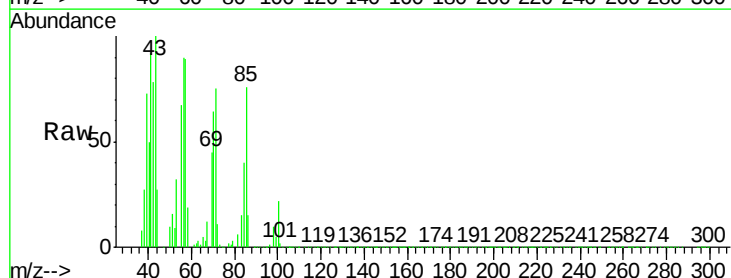
Instrument :
MSVOA_L
ClientSampleId :
SV1

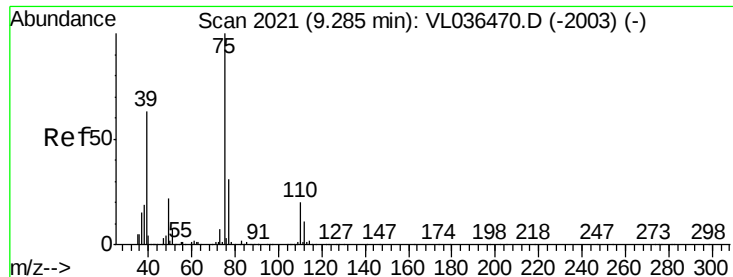
Tot Ion: 69 Resp: 201604
Ion Ratio Lower Upper
69 100
41 0.0 126.8 190.2#
100 641.5 24.9 37.3#



#44
2,2,4-Trimethylpentane
Concen: 1426.191 ppbv
RT: 7.73 min Scan# 1538
Delta R.T. -0.14 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 57 Resp: 1970505
Ion Ratio Lower Upper
57 100
41 868.4 28.8 43.2#
56 0.0 26.1 39.1#

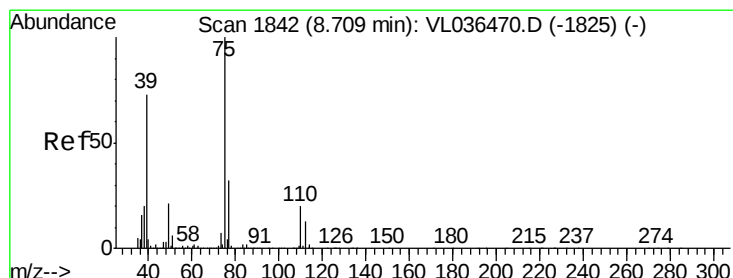
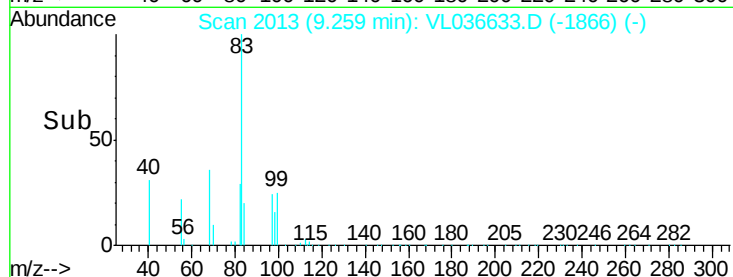
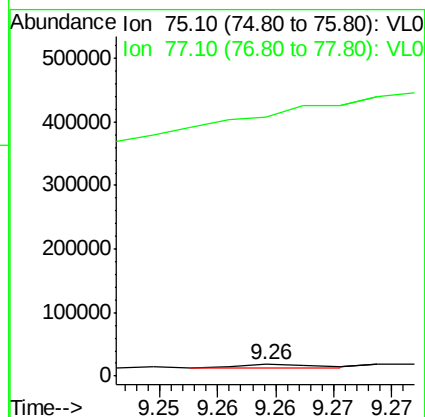
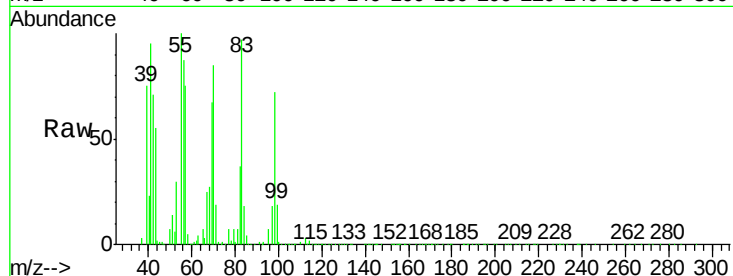




#45
t-1,3-Dichloropropene
Concen: 9.827 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.03 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

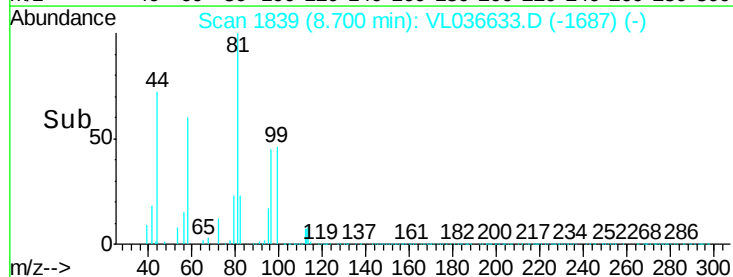
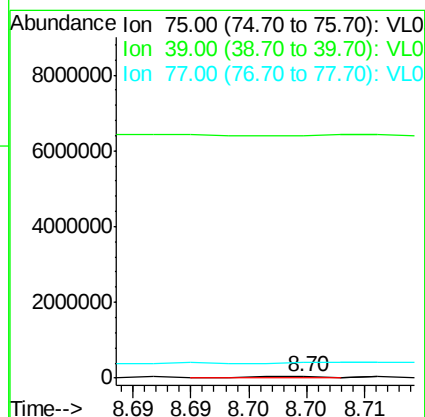
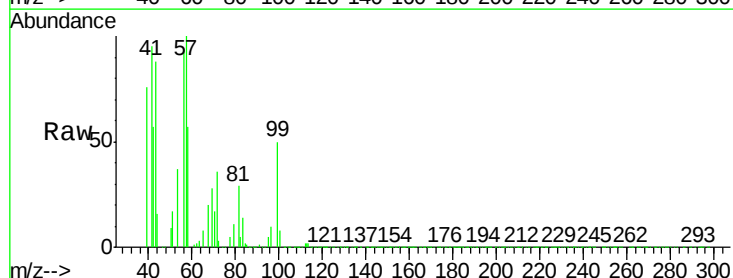
Instrument :
MSVOA_L
ClientSampleId :
SV1

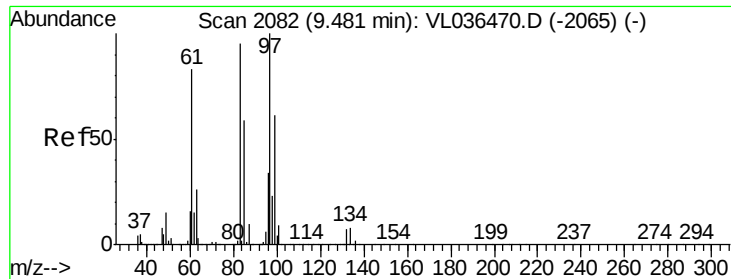
Tot Ion: 75 Resp: 2958
Ion Ratio Lower Upper
75 100
77 2240.3 25.1 37.7#



#46
cis-1,3-Dichloropropene
Concen: 28.076 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.01 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 75 Resp: 10803
Ion Ratio Lower Upper
75 100
39 0.0 58.2 87.2#
77 33.5 25.2 37.8



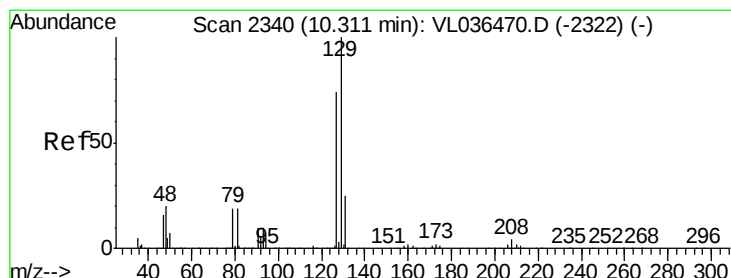
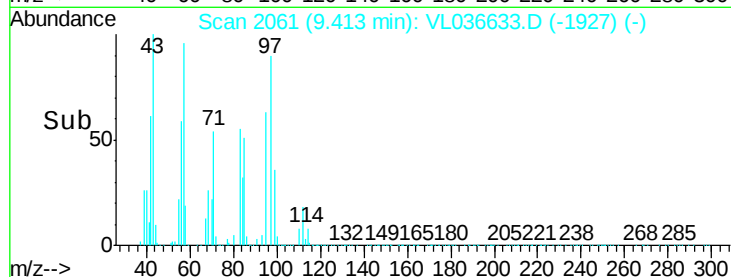
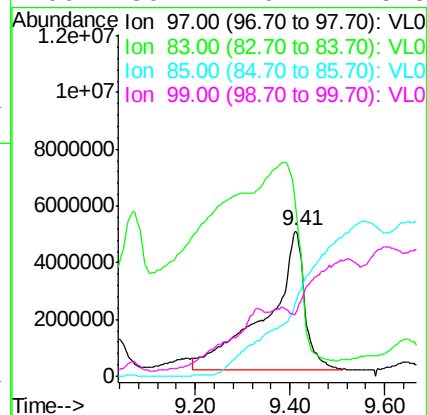
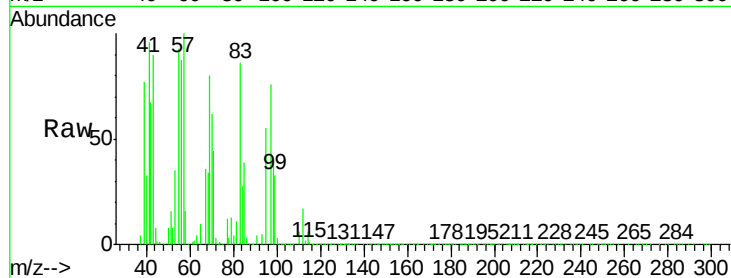


#47
 1,1,2-Trichloroethane
 Concen: 83804.836 ppbv
 RT: 9.41 min Scan# 2061
 Delta R.T. -0.07 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 97 Resp: 27031388

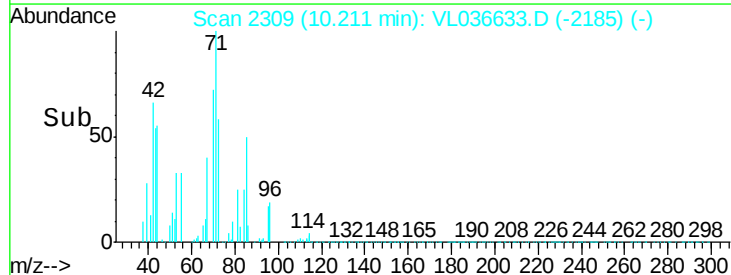
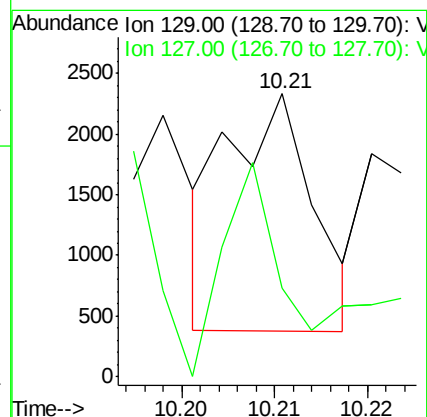
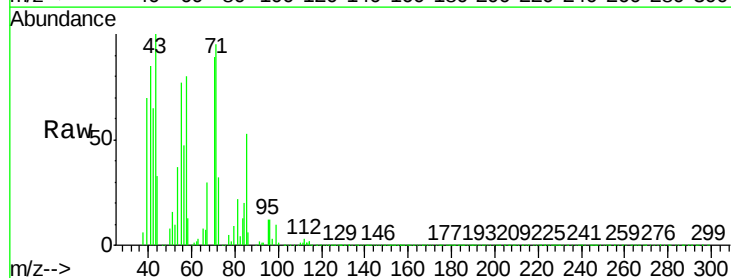
Ion	Ratio	Lower	Upper
97	100		
83	108.0	75.8	113.8
85	54.3	47.1	70.7
99	36.4	49.2	73.8#

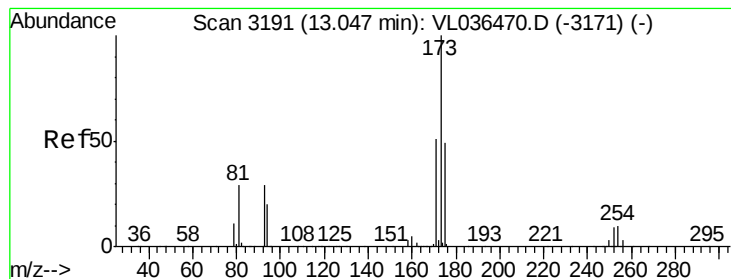


#48
 Dibromochloromethane
 Concen: 2.563 ppbv
 RT: 10.21 min Scan# 2309
 Delta R.T. -0.10 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Tgt Ion: 129 Resp: 1260

Ion	Ratio	Lower	Upper
129	100		
127	105.8	39.6	118.8





#49

Bromoform

Concen: 0.326 ppbv

RT: 13.15 min Scan# 3222

Delta R.T. 0.10 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

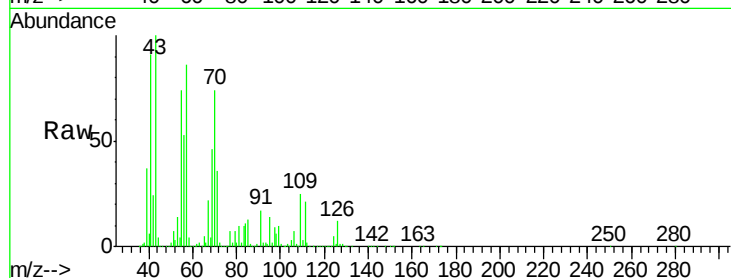
Tot Ion:173 Resp: 129

Ion Ratio Lower Upper

173 100

175 74.4 39.6 59.4#

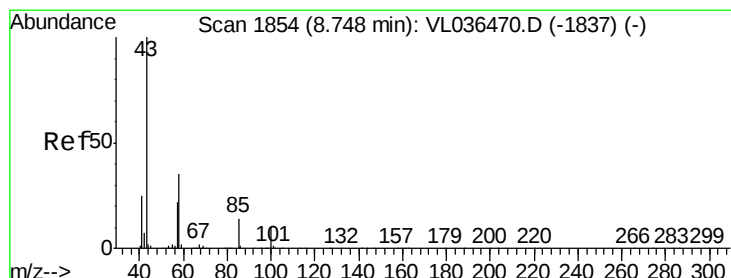
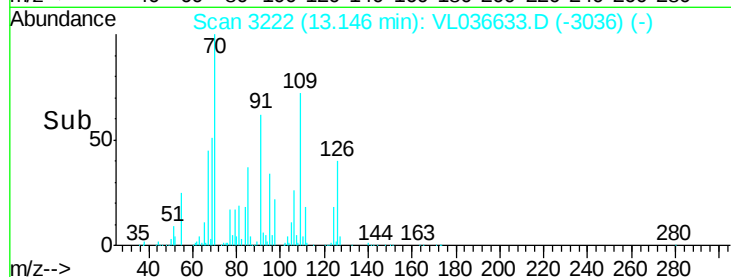
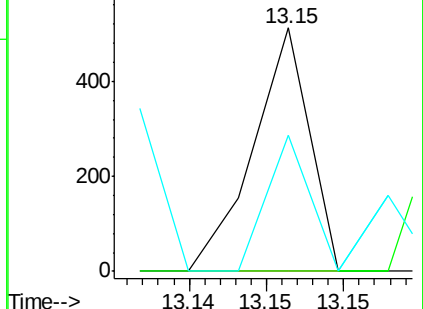
171 107.0 41.4 62.0#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1873.399 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.02 min

Lab File: VL036633.D

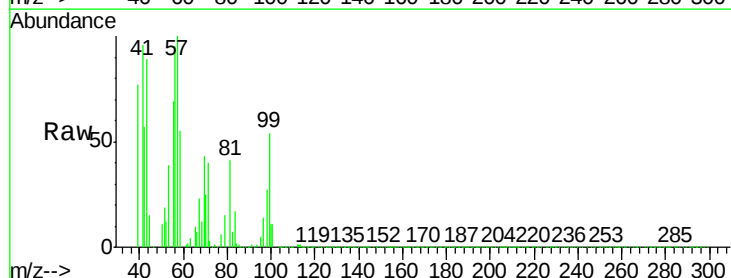
Acq: 1 Apr 2021 15:29

Tgt Ion: 43 Resp: 1126305

Ion Ratio Lower Upper

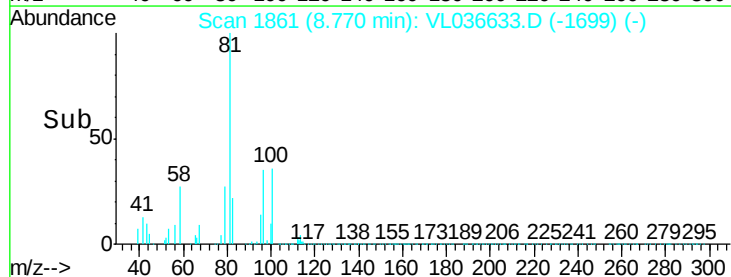
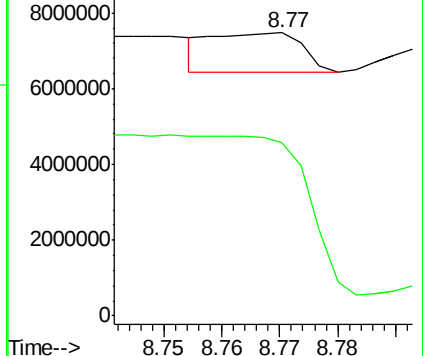
43 100

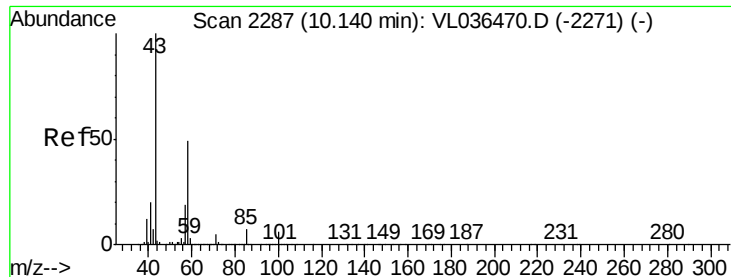
58 10650.5 28.2 42.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

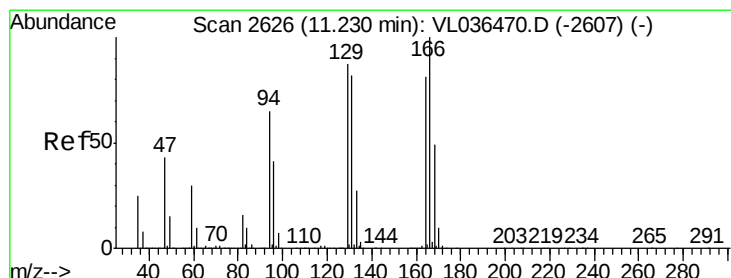
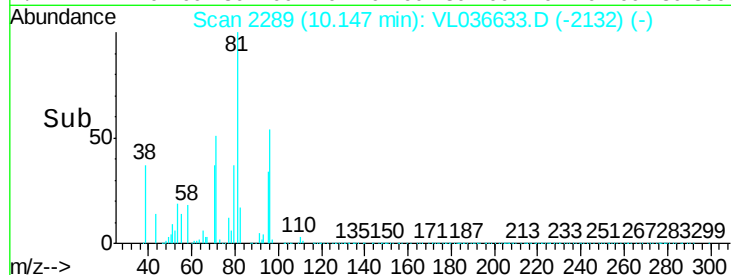
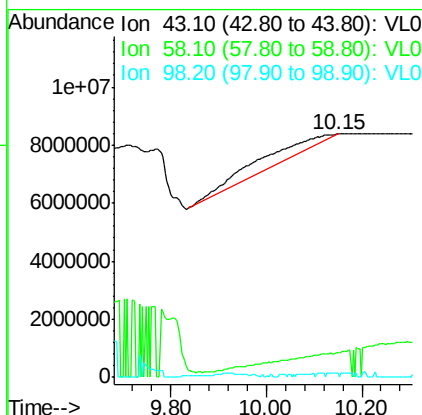
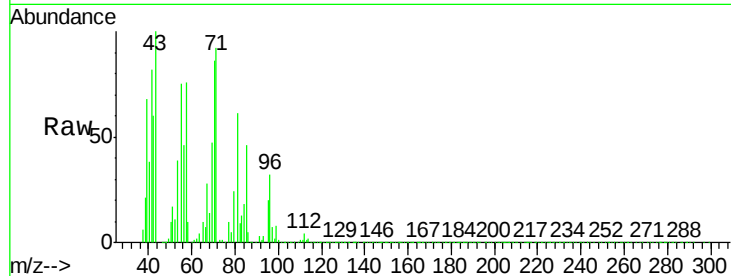




#51
2-Hexanone
Concen: 18865.856 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

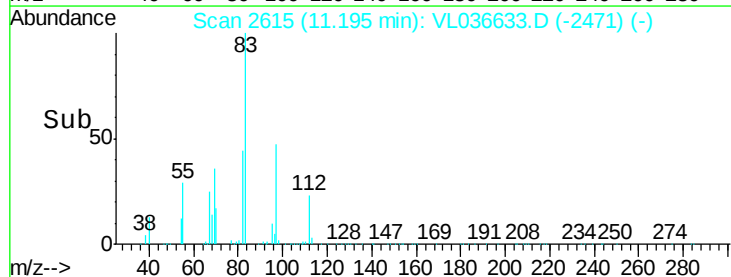
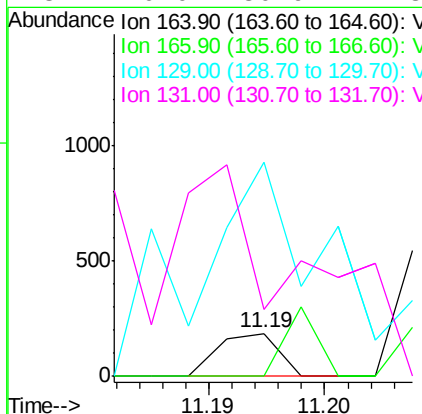
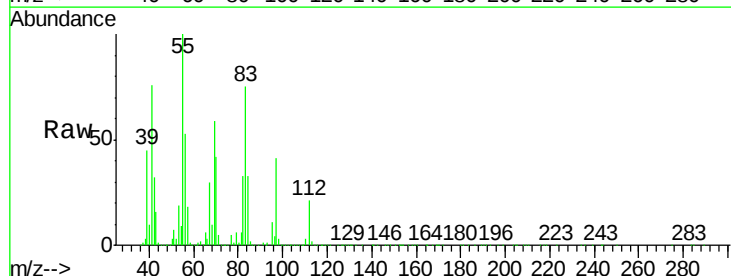
Instrument :
MSVOA_L
ClientSampled :
SV1

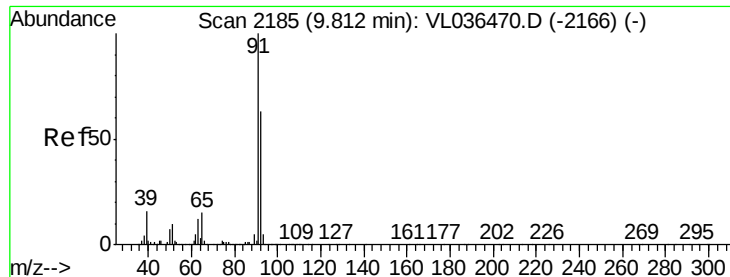
Tot Ion: 43 Resp: 5723792
Ion Ratio Lower Upper
43 100
58 0.0 37.7 56.5#
98 3.9 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.232 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 164 Resp: 67
Ion Ratio Lower Upper
164 100
166 0.0 98.3 147.5#
129 384.9 85.8 128.8#
131 0.0 80.9 121.3#





#53

Toluene

Concen: 8.361 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

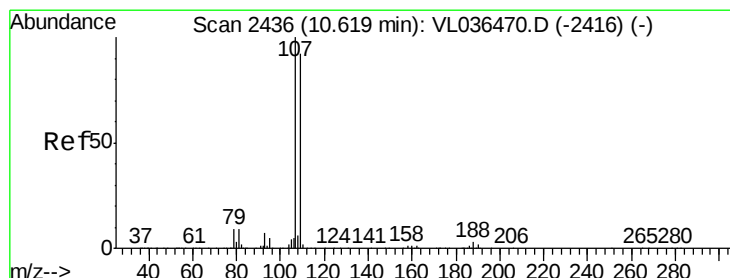
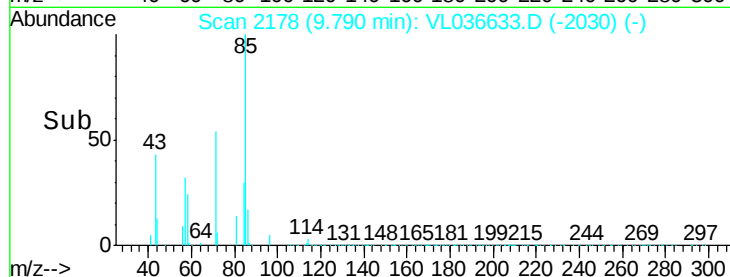
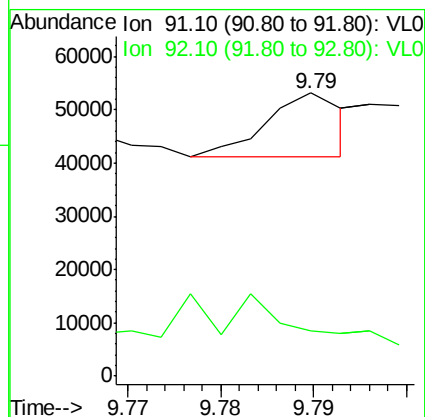
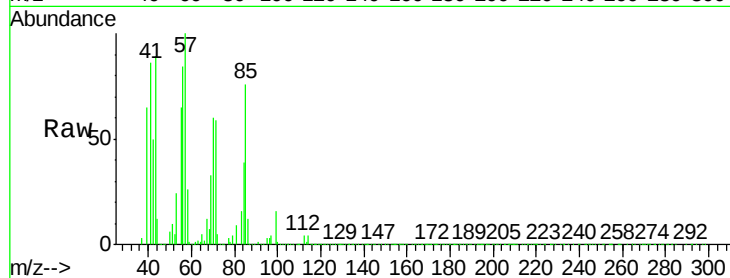
SV1

Tot Ion: 91 Resp: 6990

Ion Ratio Lower Upper

91 100

92 436.9 48.8 73.2#



#54

1,2-Dibromoethane

Concen: 3.936 ppbv

RT: 10.98 min Scan# 2548

Delta R.T. 0.36 min

Lab File: VL036633.D

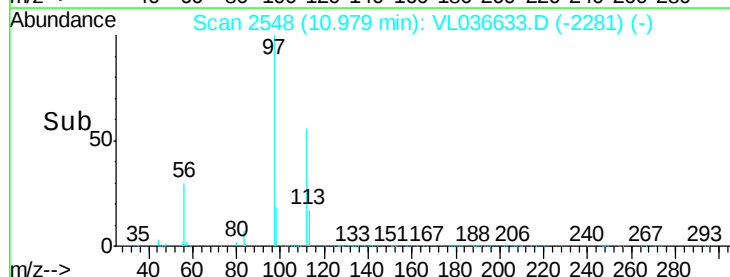
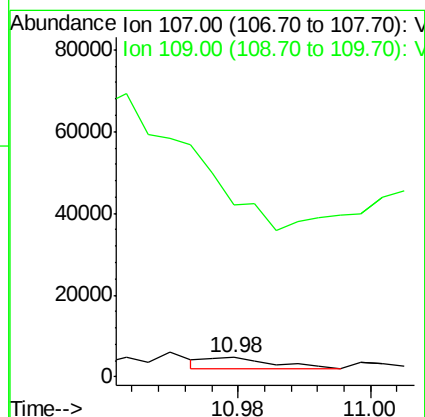
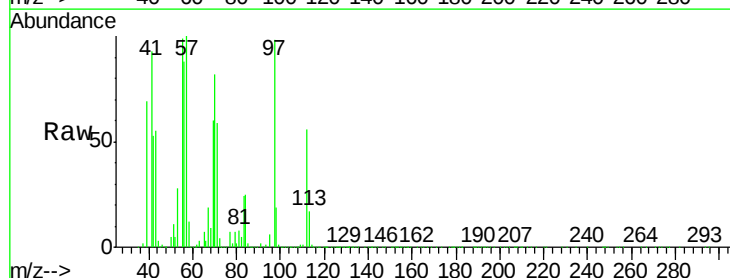
Acq: 1 Apr 2021 15:29

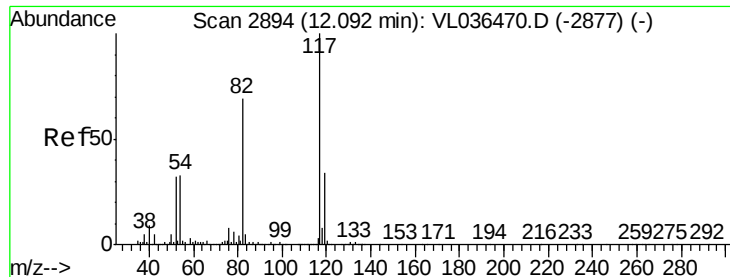
Tgt Ion:107 Resp: 1793

Ion Ratio Lower Upper

107 100

109 86.1 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.36 min Scan# 2976

Delta R.T. 0.26 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

SV1

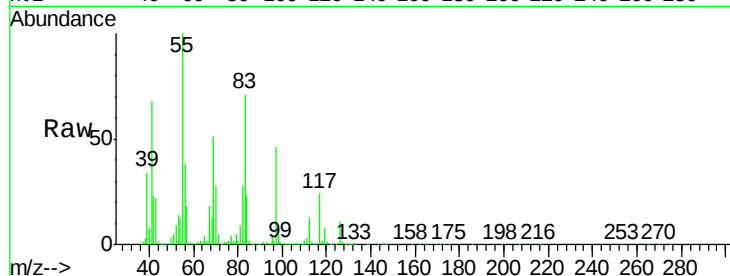
Tot Ion:117 Resp: 1978667

Ion Ratio Lower Upper

117 100

82 173.7 57.4 86.0#

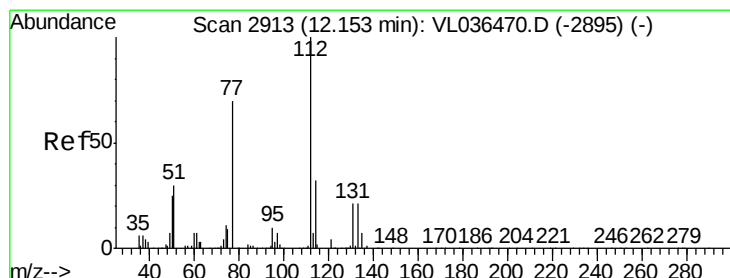
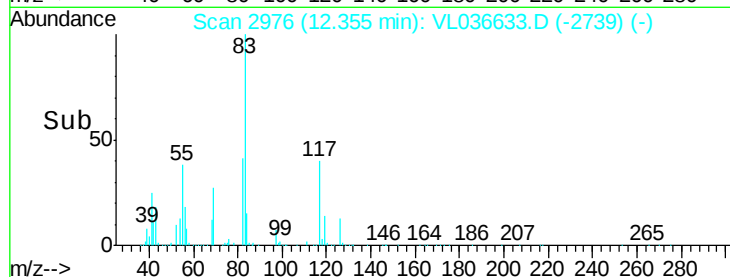
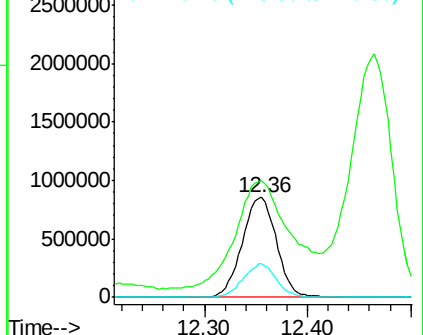
119 32.8 47.4 71.0#



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



#57

Chlorobenzene

Concen: 13.777 ppbv

RT: 12.46 min Scan# 3010

Delta R.T. 0.31 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

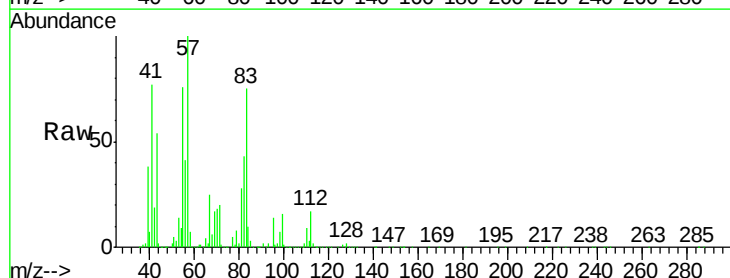
Tgt Ion:112 Resp: 2319391

Ion Ratio Lower Upper

112 100

77 22.5 56.0 84.0#

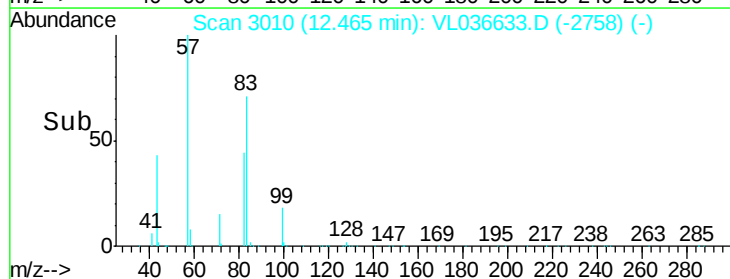
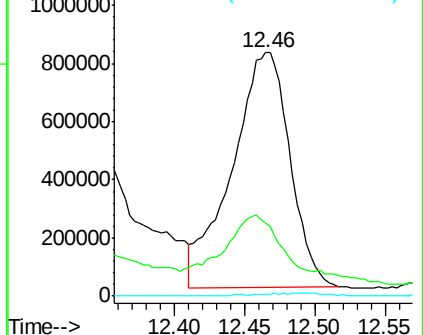
114 0.8 29.0 35.4#

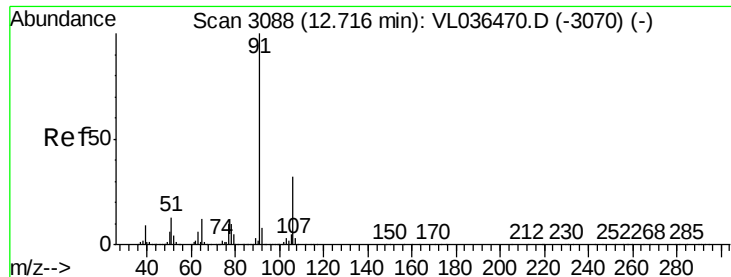


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V





#58

Ethyl Benzene

Concen: 36.400 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. 0.23 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

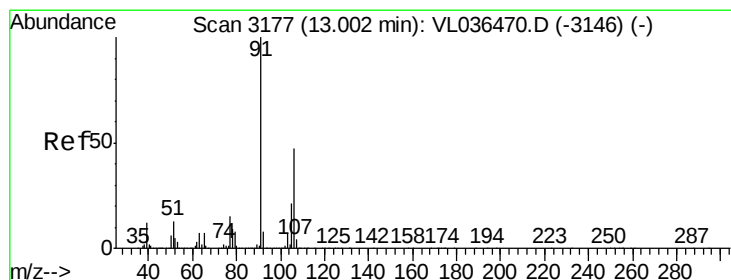
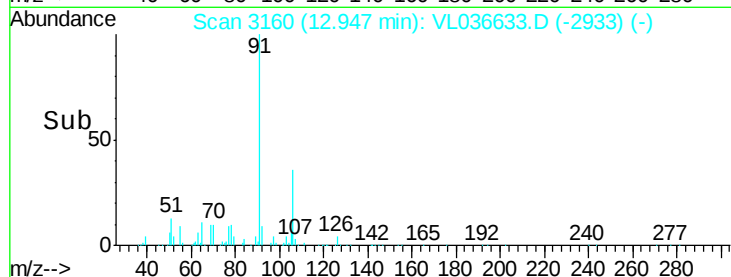
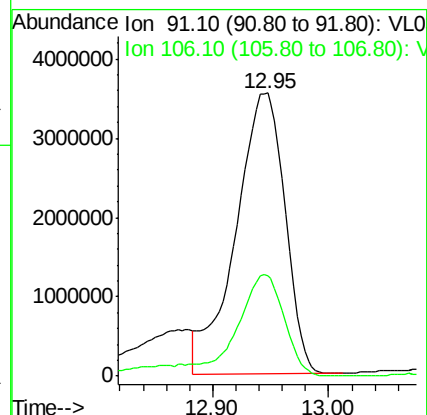
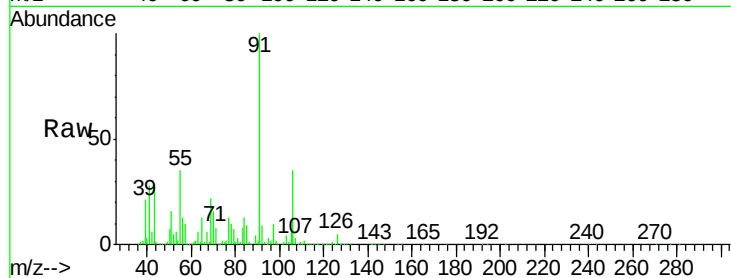
SV1

Tot Ion: 91 Resp:10478325

Ion Ratio Lower Upper

91 100

106 35.5 25.3 37.9



#59

m/p-Xylene

Concen: 15.853 ppbv

RT: 13.19 min Scan# 3234

Delta R.T. 0.18 min

Lab File: VL036633.D

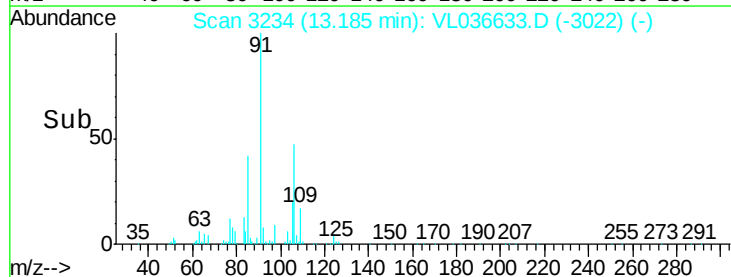
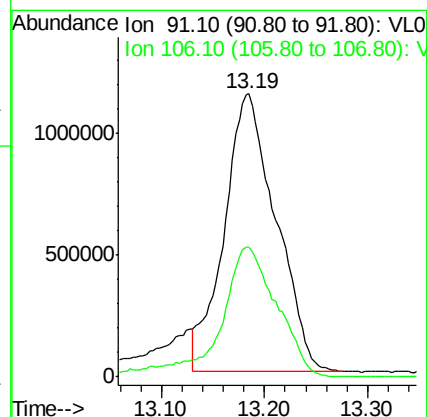
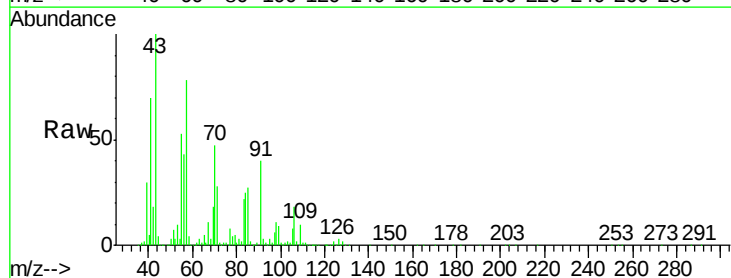
Acq: 1 Apr 2021 15:29

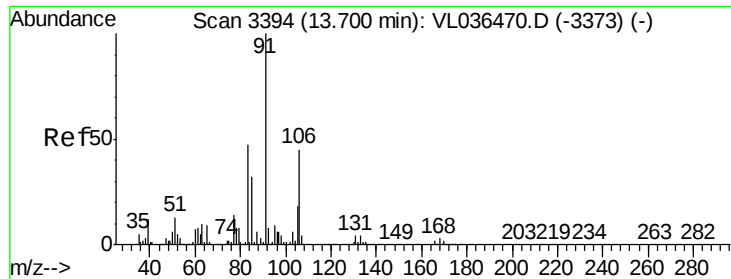
Tgt Ion: 91 Resp: 3980576

Ion Ratio Lower Upper

91 100

106 51.7 35.3 52.9





#60

o-Xylene

Concen: 3.480 ppbv

RT: 13.88 min Scan# 3451

Delta R.T. 0.18 min

Lab File: VL036633.D

Acq: 1 Apr 2021 15:29

Instrument :

MSVOA_L

ClientSampled :

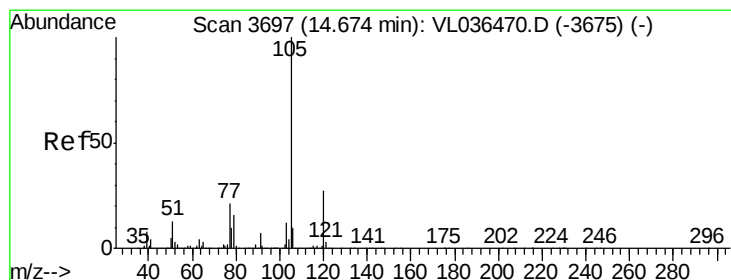
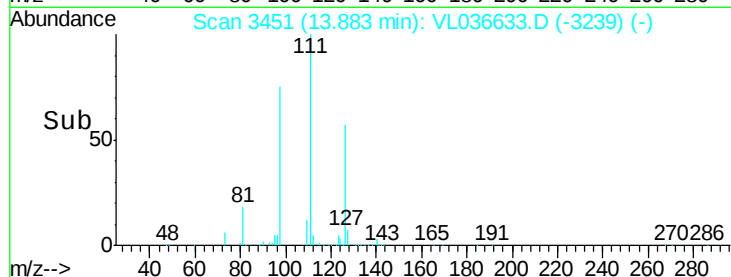
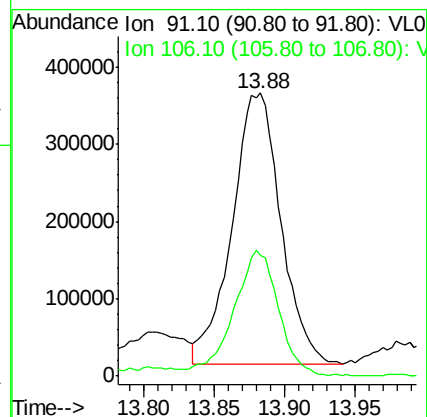
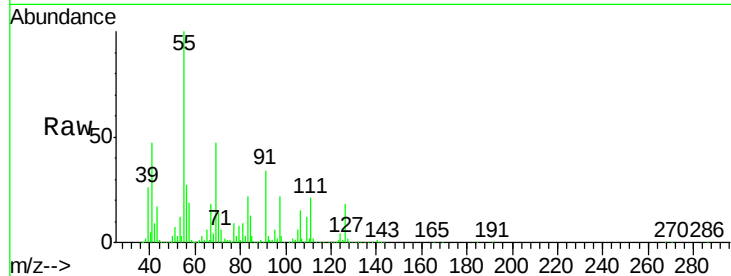
SV1

Tot Ion: 91 Resp: 844963

Ion Ratio Lower Upper

91 100

106 47.4 22.3 66.9



#62

Isopropylbenzene

Concen: 14.935 ppbv

RT: 14.81 min Scan# 3738

Delta R.T. 0.13 min

Lab File: VL036633.D

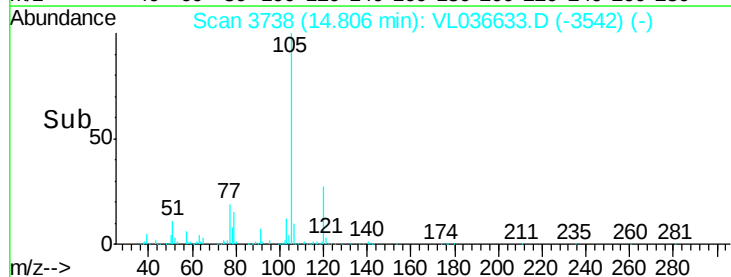
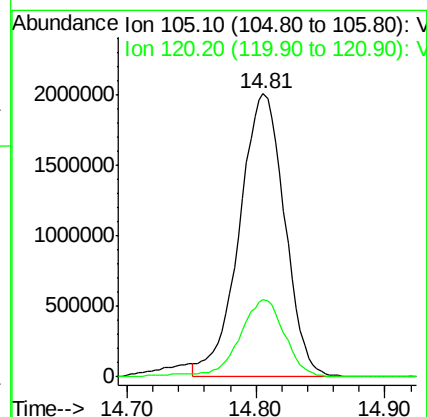
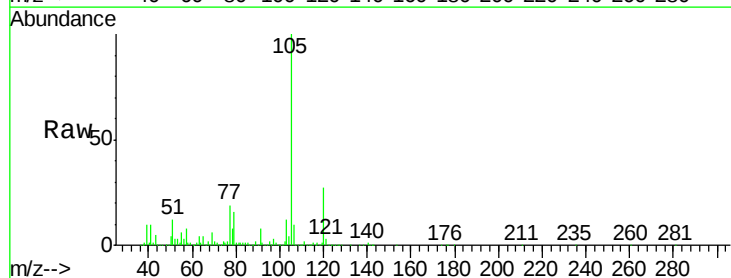
Acq: 1 Apr 2021 15:29

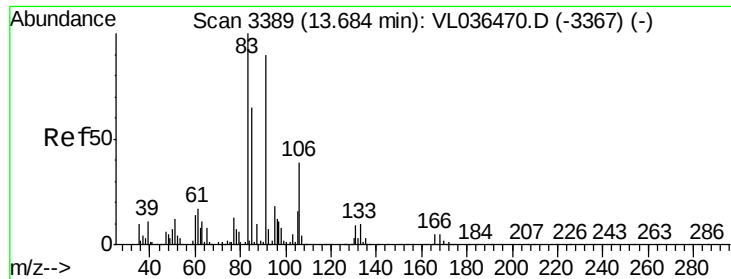
Tgt Ion:105 Resp: 4882881

Ion Ratio Lower Upper

105 100

120 27.9 20.6 31.0

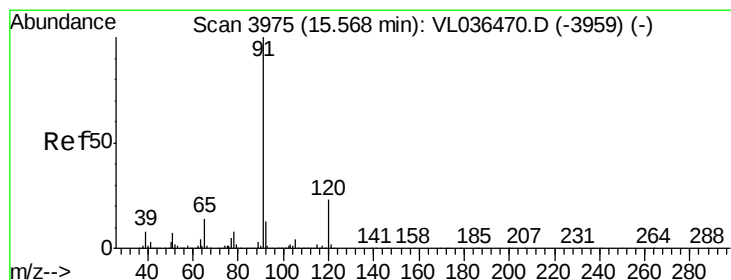
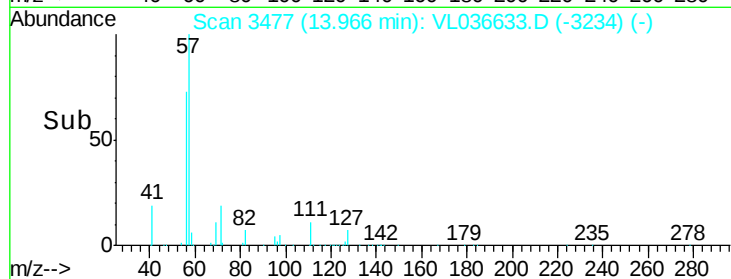
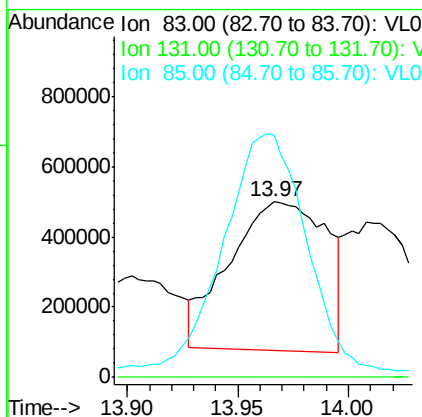
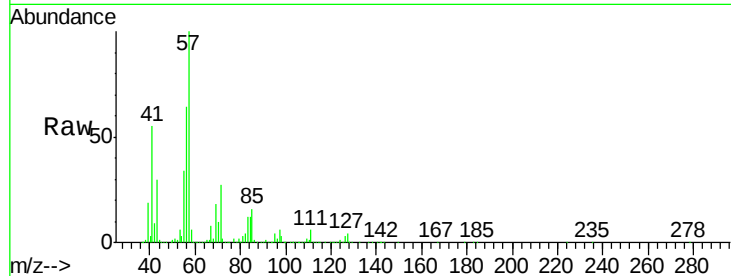




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.005 ppbv
 RT: 13.97 min Scan# 3477
 Delta R.T. 0.28 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

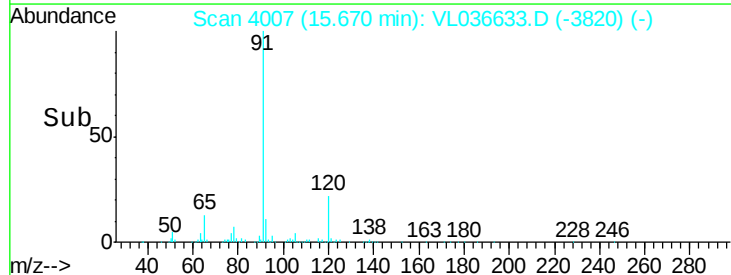
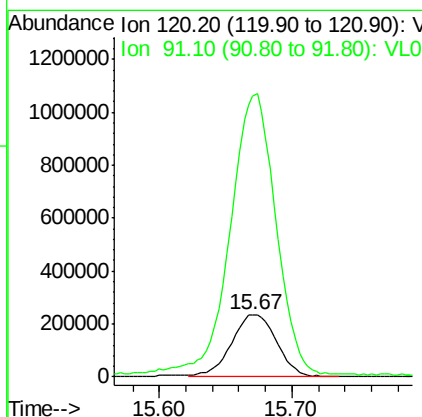
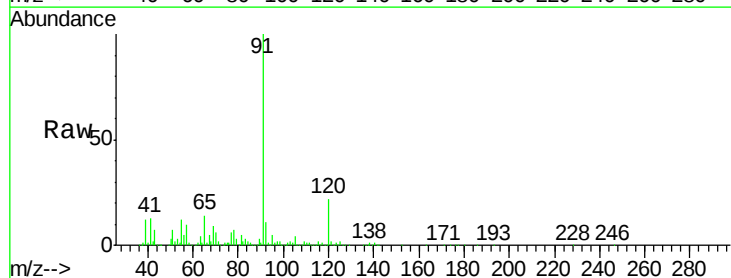
Instrument :
 MSVOA_L
 ClientSampled :
 SV1

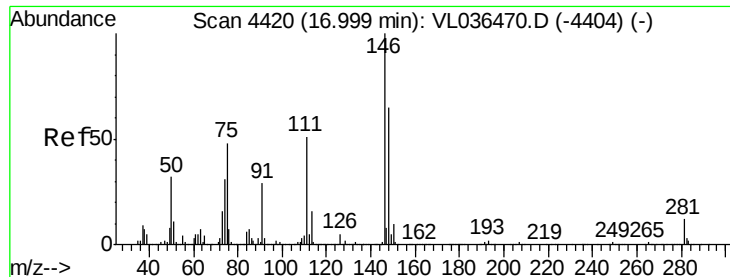
Tot Ion: 83 Resp: 1297378
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.0#
 85 140.1 33.1 99.3#



#64
 n-propylbenzene
 Concen: 6.958 ppbv
 RT: 15.67 min Scan# 4007
 Delta R.T. 0.10 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Tgt Ion:120 Resp: 556144
 Ion Ratio Lower Upper
 120 100
 91 472.1 377.4 566.2

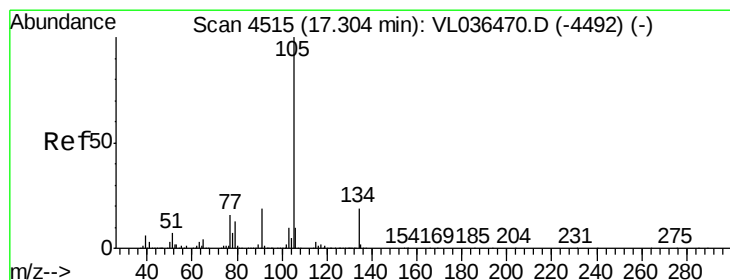
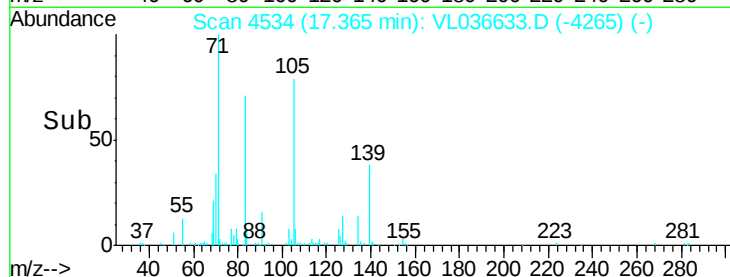
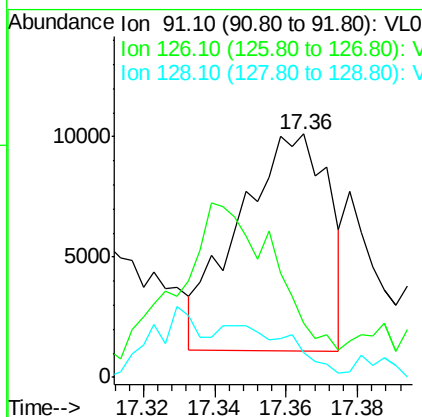
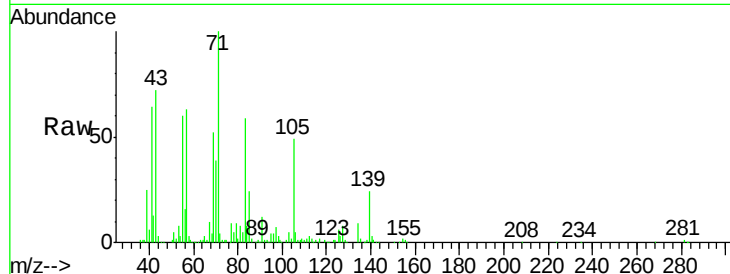




#66
Benzyl Chloride
Concen: 0.501 ppbv
RT: 17.36 min Scan# 4534
Delta R.T. 0.37 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

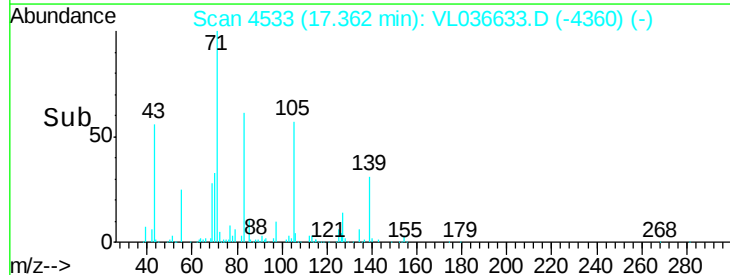
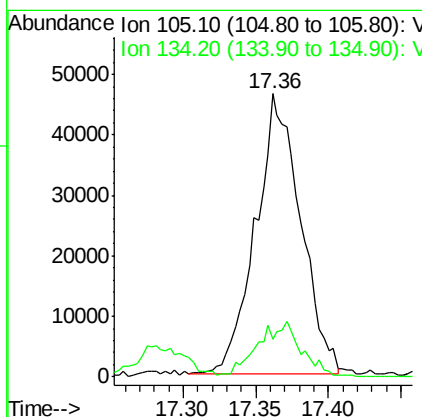
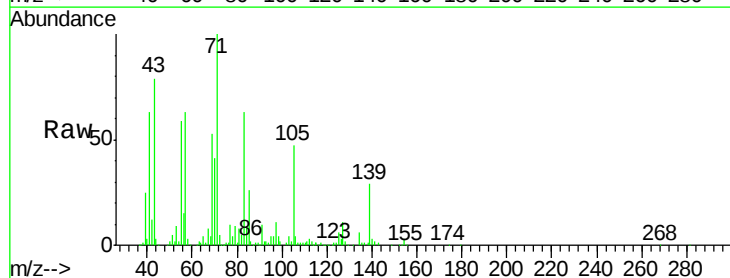
Instrument :
MSVOA_L
ClientSampleId :
SV1

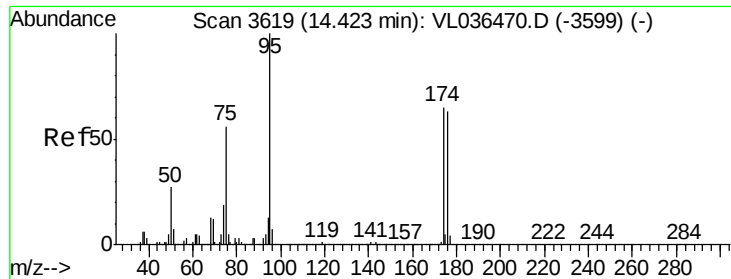
Tot Ion: 91 Resp: 15704
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 0.0 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.250 ppbv
RT: 17.36 min Scan# 4533
Delta R.T. 0.06 min
Lab File: VL036633.D
Acq: 1 Apr 2021 15:29

Tgt Ion: 105 Resp: 100073
Ion Ratio Lower Upper
105 100
134 19.4 14.7 22.1

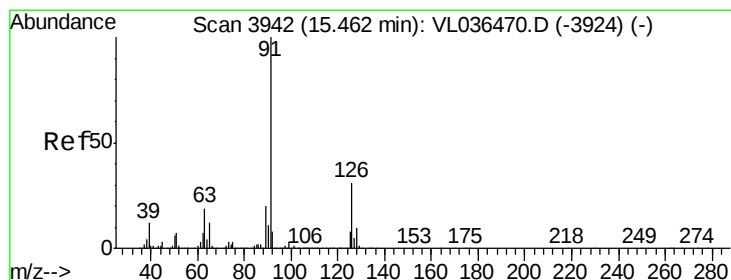
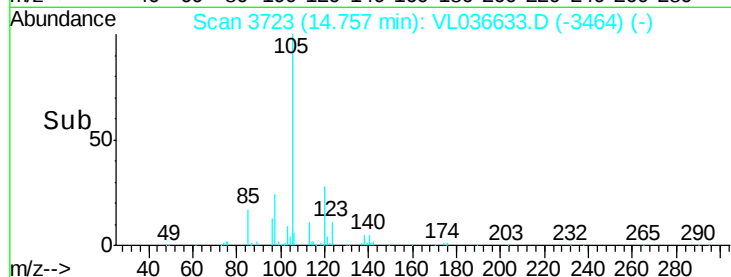
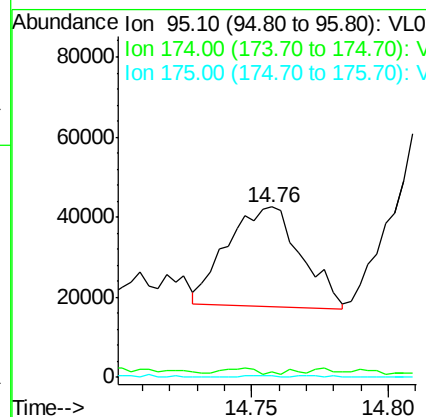
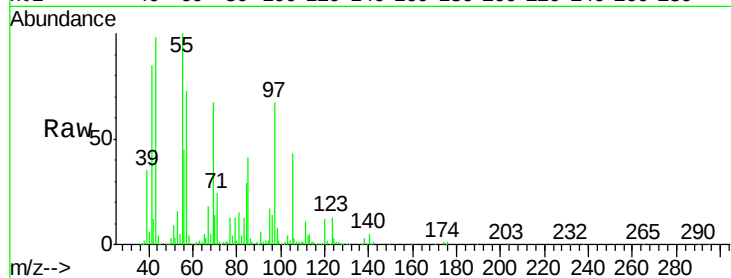




#68
 1-Bromo-4-Fluorobenzene
 Concen: 0.293 ppbv
 RT: 14.76 min Scan# 3723
 Delta R.T. 0.33 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 95 Resp: 46274
 Ion Ratio Lower Upper
 95 100
 174 0.0 51.0 76.6#
 175 0.0 3.9 5.9#



#71
 2-Chlorotoluene
 Concen: 0.545 ppbv
 RT: 15.44 min Scan# 3935
 Delta R.T. -0.02 min
 Lab File: VL036633.D
 Acq: 1 Apr 2021 15:29

Tgt Ion: 91 Resp: 133514
 Ion Ratio Lower Upper
 91 100
 126 16.1 12.1 48.5

