

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036981.D
 Acq On : 18 May 2021 22:52
 Operator : SY/AP
 Sample : M2430-04 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: May 19 03:16:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1277038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3632946	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3396626	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2541293	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	35953	0.166 ppbv	95
3) Chlorodifluoromethane	2.95	51	262427	1.122 ppbv #	73
4) Chloromethane	3.13	50	6420	0.081 ppbv #	75
9) Propene	3.01	41	324224	3.870 ppbv #	77
10) Heptane	8.10	43	163448	0.783 ppbv	99
11) Trichlorofluoromethane	3.93	101	39314	0.196 ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4803	0.034 ppbv #	38
13) Ethanol	3.59	45	1141969	102.165 ppbv	97
15) Acetone	3.83	43	8612828	65.846 ppbv	97
16) 1,3-Butadiene	3.29	39	325381	4.004 ppbv #	21
17) tert-Butyl alcohol	4.28	59	17104	0.143 ppbv #	13
19) Isopropyl Alcohol	3.95	45	2360816	33.576 ppbv #	35
20) Methylene Chloride	4.33	84	217532	3.102 ppbv	97
21) Allyl Chloride	4.28	41	6318	0.064 ppbv #	18
23) Vinyl Acetate	5.06	43	18798	0.091 ppbv #	76
25) Ethyl Acetate	5.67	43	479769	1.526 ppbv #	78
26) Hexane	5.67	57	698563	4.351 ppbv #	47
27) Carbon Disulfide	4.53	76	58271	0.360 ppbv #	85
29) Chloroform	5.74	83	16739	0.074 ppbv	94
30) Cyclohexane	7.10	84	79627	0.584 ppbv	86
34) 2-Butanone	5.23	43	506239	3.827 ppbv	96
36) Benzene	6.87	78	457911	1.463 ppbv	97
38) Trichloroethene	7.81	130	869956	6.499 ppbv	96
39) 1,2-Dichloropropane	7.16	63	857423	7.113 ppbv #	25
41) Tetrahydrofuran	6.01	42	2792	0.037 ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	29496	0.055 ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	16760	0.077 ppbv #	38
51) 2-Hexanone	10.11	43	12795	0.111 ppbv #	27
52) Tetrachloroethene	11.21	164	7471253	60.041 ppbv	94
53) Toluene	9.79	91	481344	1.293 ppbv	100
58) Ethyl Benzene	12.69	91	210634	0.439 ppbv #	88
59) m/p-Xylene	12.98	91	97438	0.246 ppbv #	30
60) o-Xylene	13.67	91	246028	0.651 ppbv	99
62) Isopropylbenzene	14.64	105	26180	0.048 ppbv #	71
63) 1,1,2,2-Tetrachloroethane	13.65	83	18834	0.067 ppbv #	86
64) n-propylbenzene	15.54	120	27541	0.197 ppbv	78
70) n-Butylbenzene	18.54	91	78100	0.143 ppbv #	82
71) 2-Chlorotoluene	15.55	91	40341	0.103 ppbv	80
72) 4-Ethyltoluene	15.82	105	122239	0.273 ppbv #	92
73) 1,3,5-Trimethylbenzene	15.97	105	101785	0.242 ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	347160	0.797 ppbv #	69

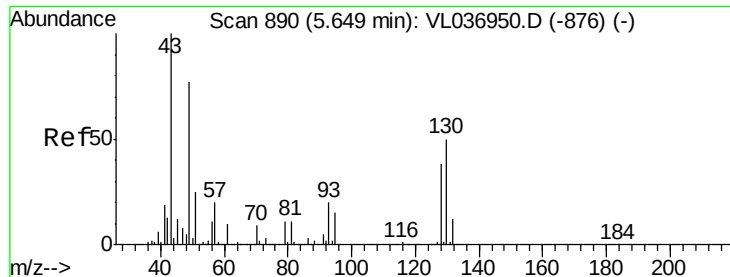
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
Data File : VL036981.D
Acq On : 18 May 2021 22:52
Operator : SY/AP
Sample : M2430-04 2X
Misc : 400mL/MSVOA L
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Instrument :
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SV2

Quant Time: May 19 03:16:18 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

SV2

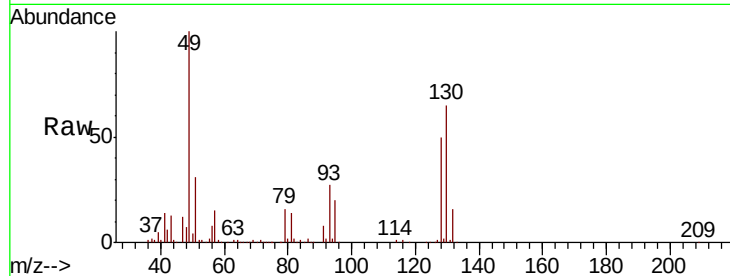
Tot Ion: 49 Resp: 1277038

Ion Ratio Lower Upper

49 100

128 53.0 26.9 80.7

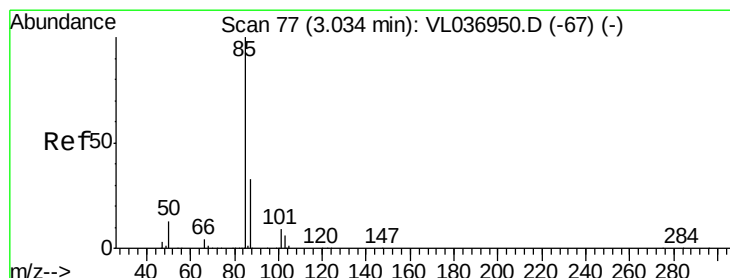
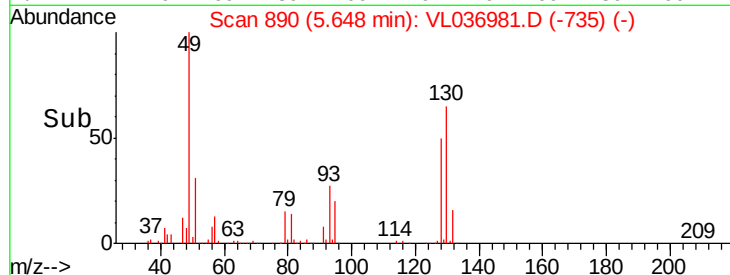
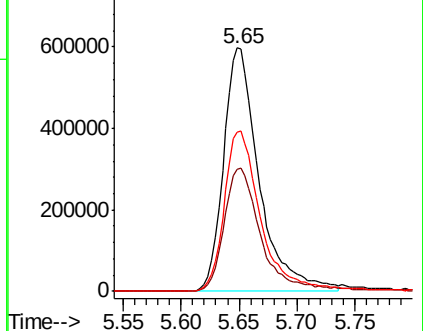
130 68.8 33.8 101.4



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: 0.166 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL036981.D

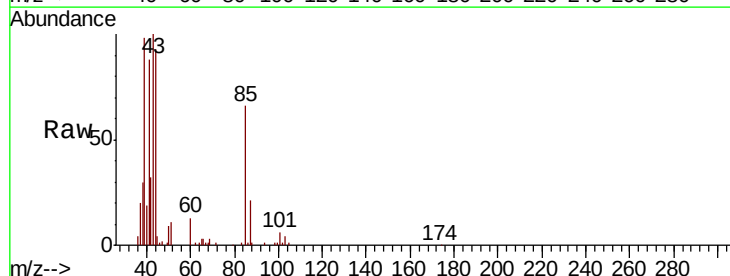
Acq: 18 May 2021 22:52

Tgt Ion: 85 Resp: 35953

Ion Ratio Lower Upper

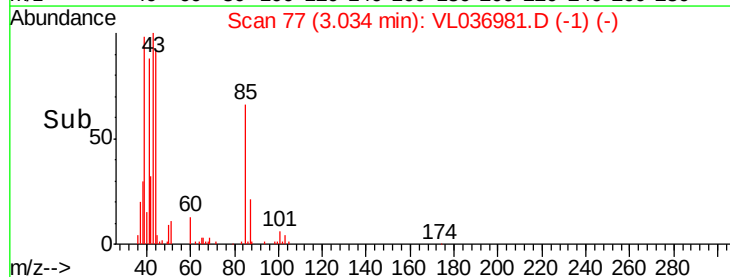
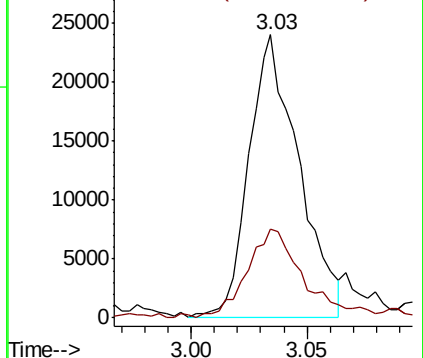
85 100

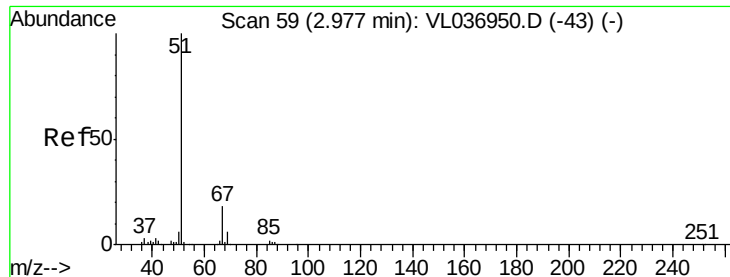
87 30.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.122 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.03 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

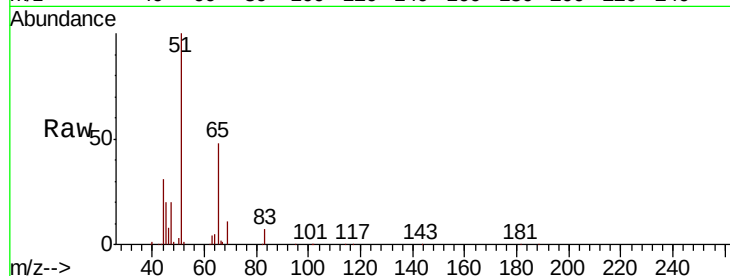
SV2

Tot Ion: 51 Resp: 262427

Ion Ratio Lower Upper

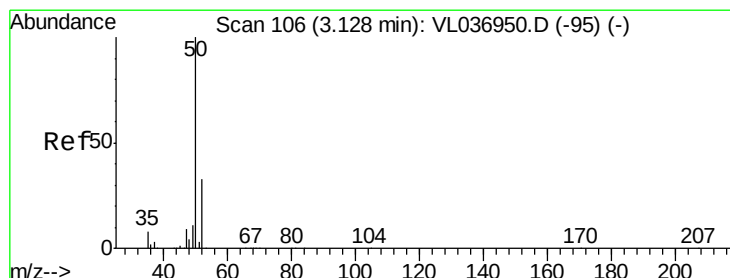
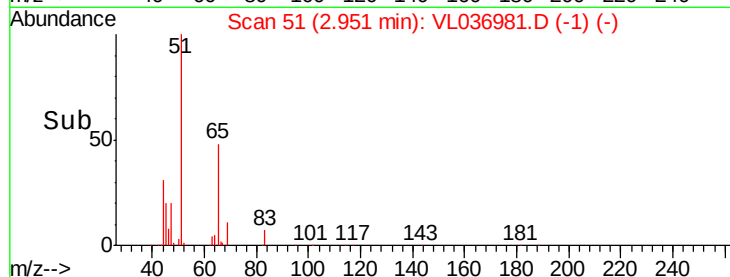
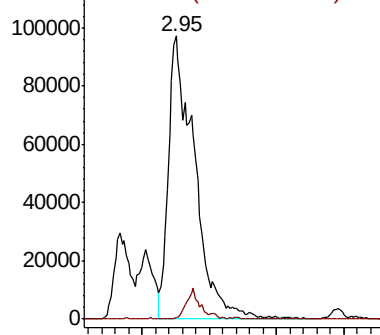
51 100

67 6.2 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.081 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036981.D

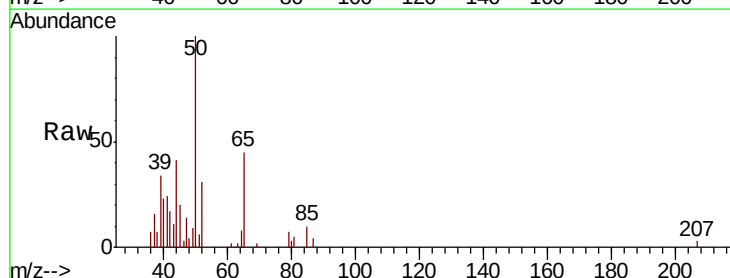
Acq: 18 May 2021 22:52

Tgt Ion: 50 Resp: 6420

Ion Ratio Lower Upper

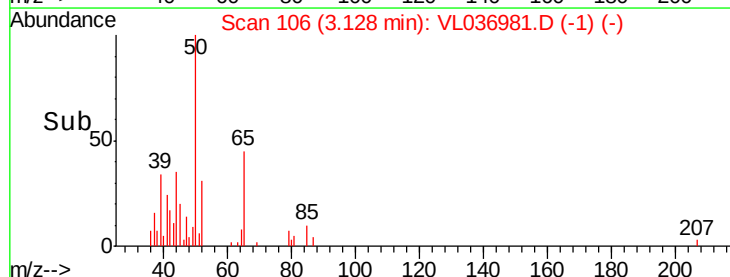
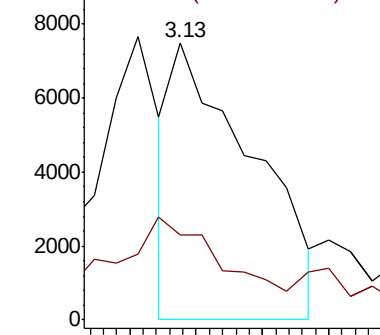
50 100

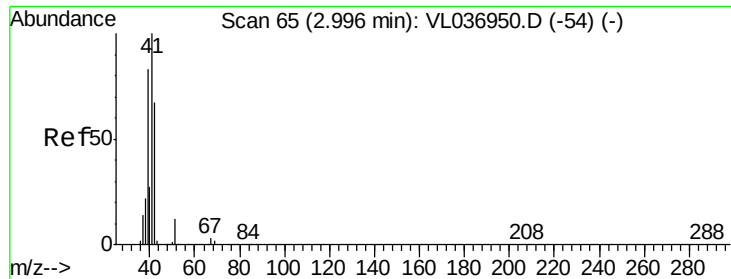
52 18.4 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 3.870 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

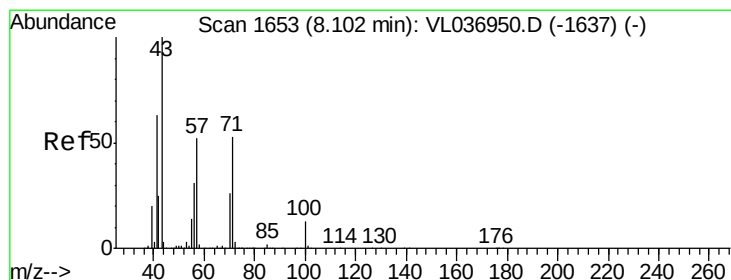
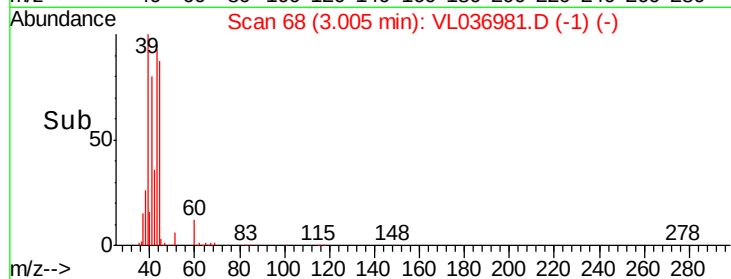
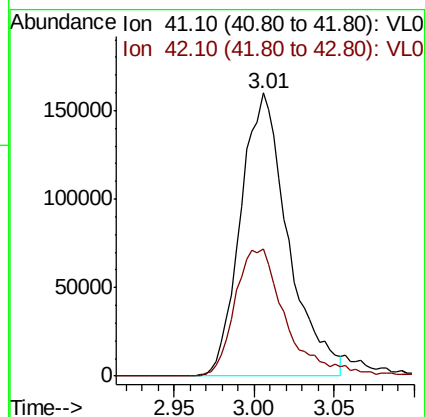
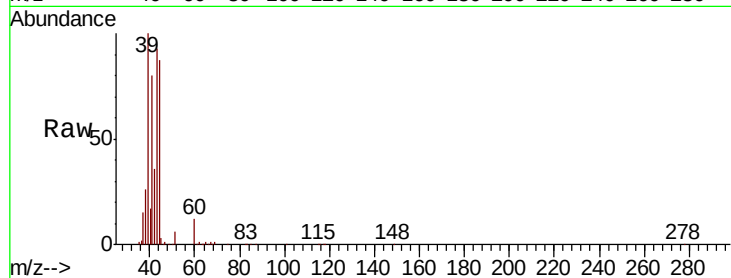
SV2

Tot Ion: 41 Resp: 324224

Ion Ratio Lower Upper

41 100

42 48.6 53.9 80.9#



#10

Heptane

Concen: 0.783 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036981.D

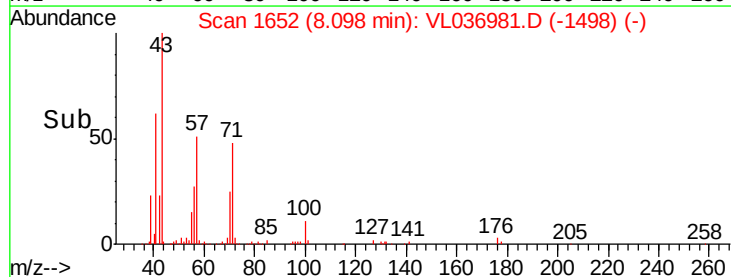
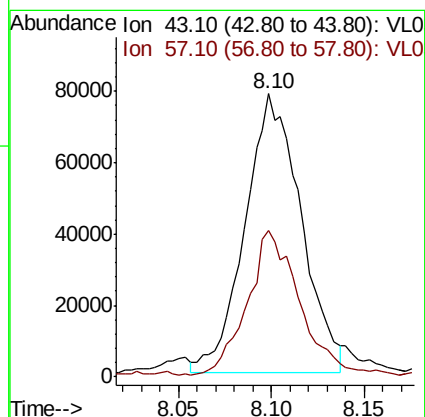
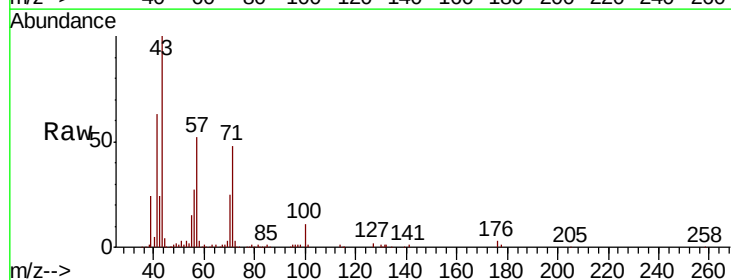
Acq: 18 May 2021 22:52

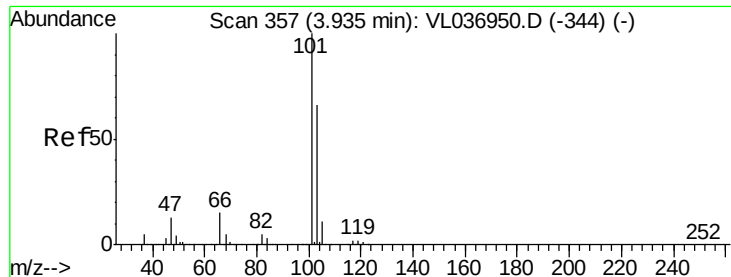
Tgt Ion: 43 Resp: 163448

Ion Ratio Lower Upper

43 100

57 50.9 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.196 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

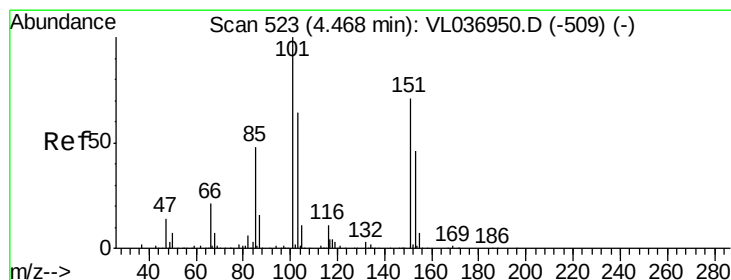
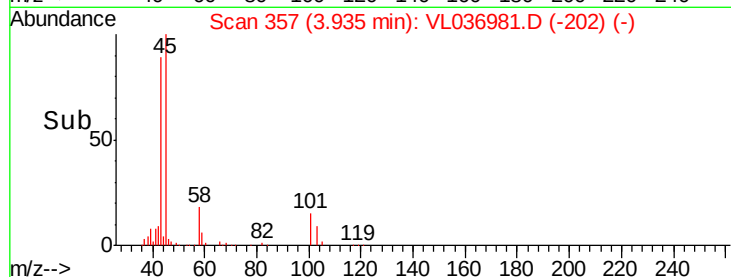
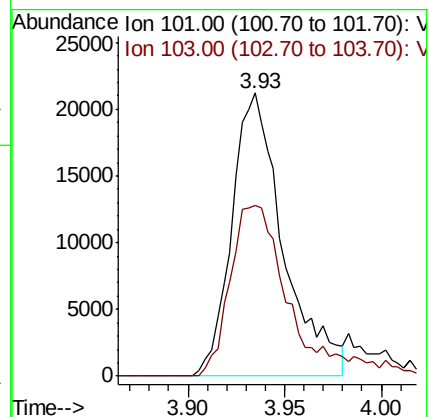
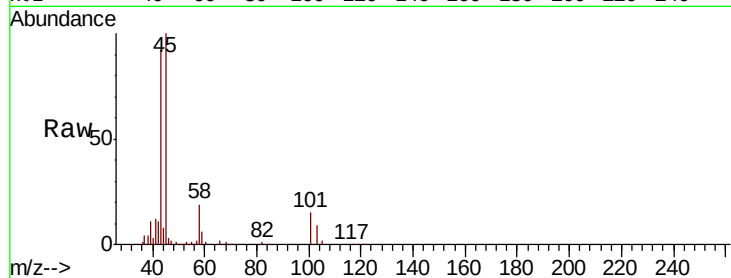
SV2

Tot Ion:101 Resp: 39314

Ion Ratio Lower Upper

101 100

103 60.3 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.034 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL036981.D

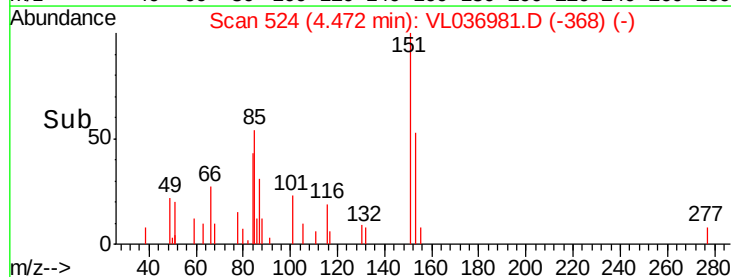
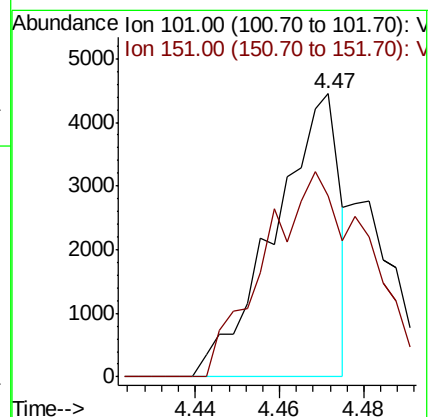
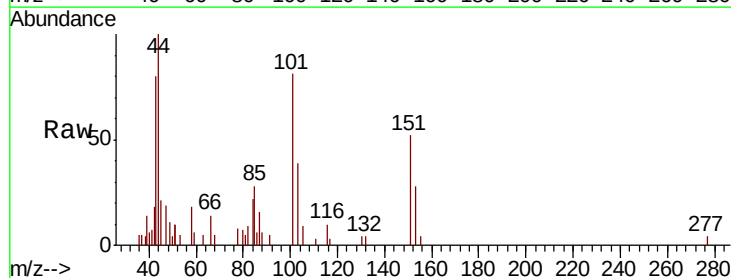
Acq: 18 May 2021 22:52

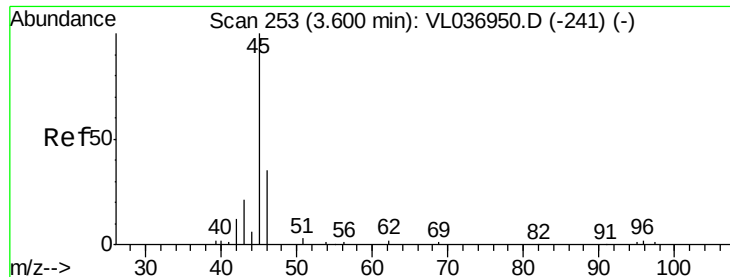
Tgt Ion:101 Resp: 4803

Ion Ratio Lower Upper

101 100

151 123.8 57.7 86.5#





#13

Ethanol

Concen: 102.165 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

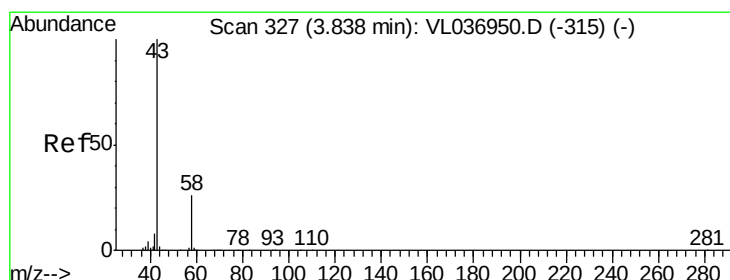
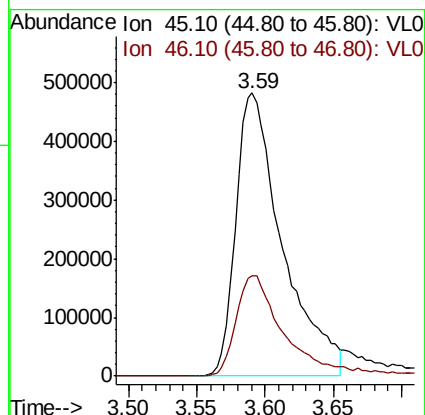
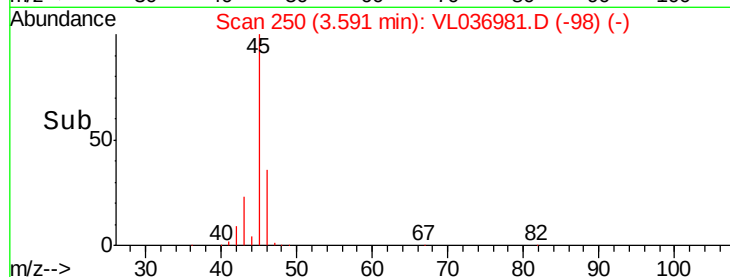
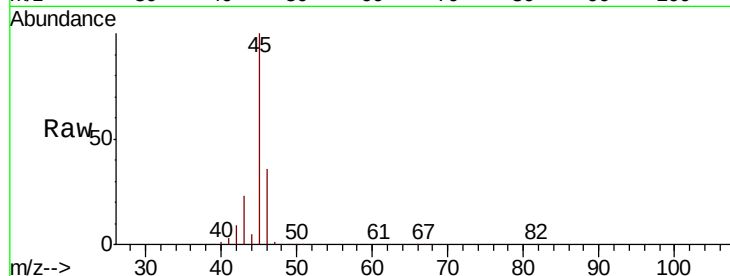
SV2

Tot Ion: 45 Resp: 1141969

Ion Ratio Lower Upper

45 100

46 38.8 16.3 65.3



#15

Acetone

Concen: 65.846 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.01 min

Lab File: VL036981.D

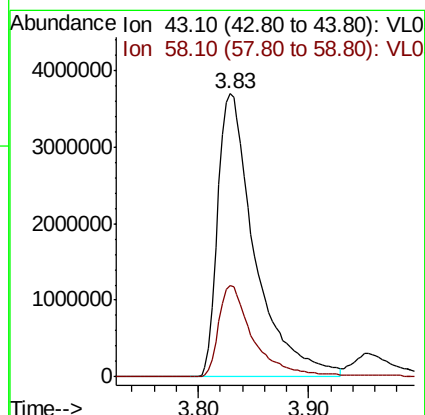
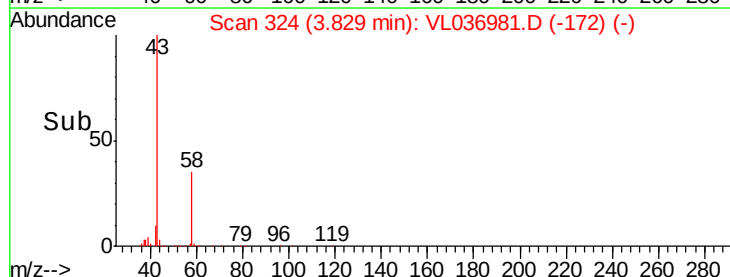
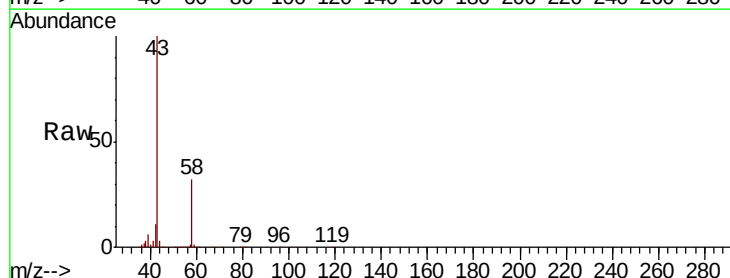
Acq: 18 May 2021 22:52

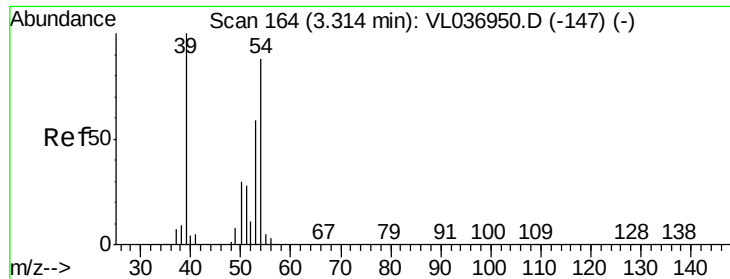
Tgt Ion: 43 Resp: 8612828

Ion Ratio Lower Upper

43 100

58 31.4 24.0 36.0





#16

1,3-Butadiene

Concen: 4.004 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.02 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampled :

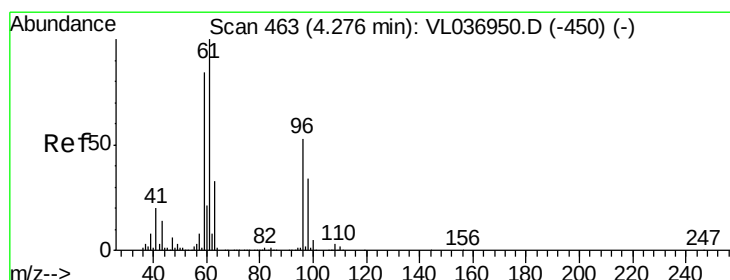
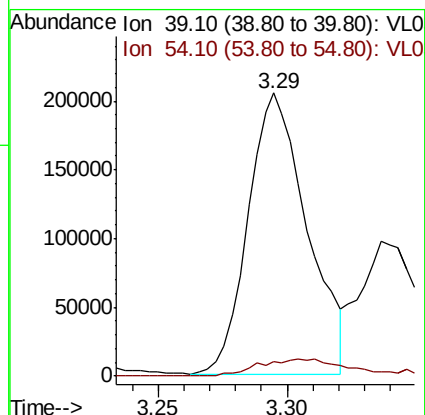
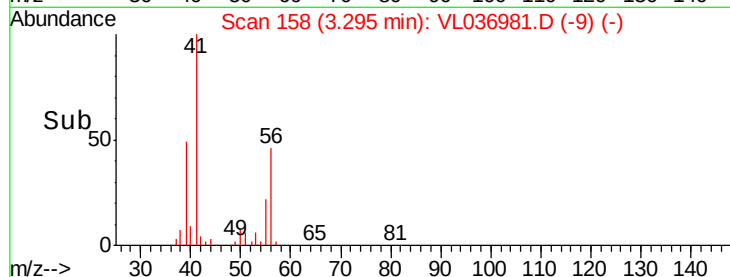
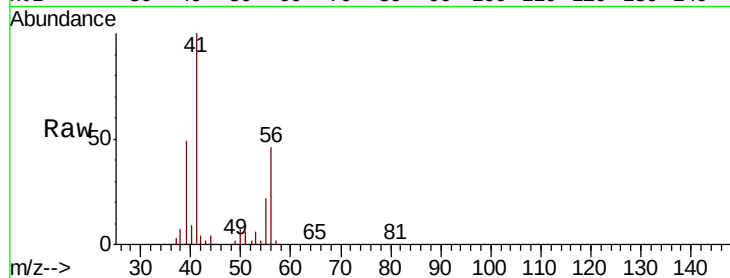
SV2

Tot Ion: 39 Resp: 325381

Ion Ratio Lower Upper

39 100

54 10.0 63.2 94.8#



#17

tert-Butyl alcohol

Concen: 0.143 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL036981.D

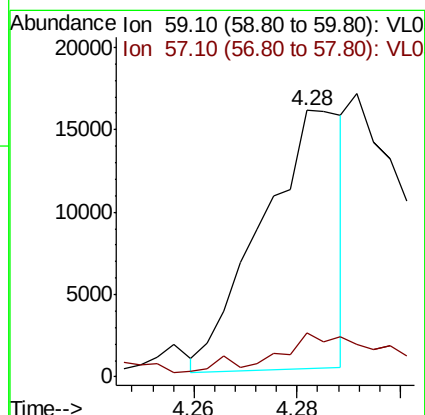
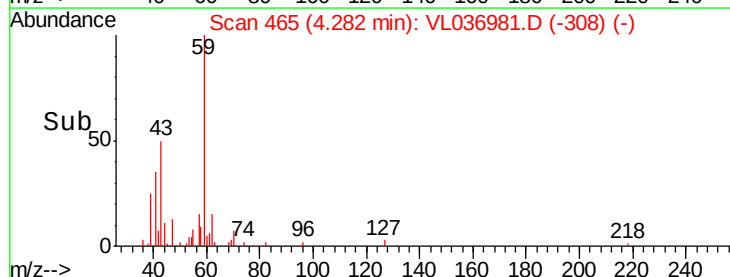
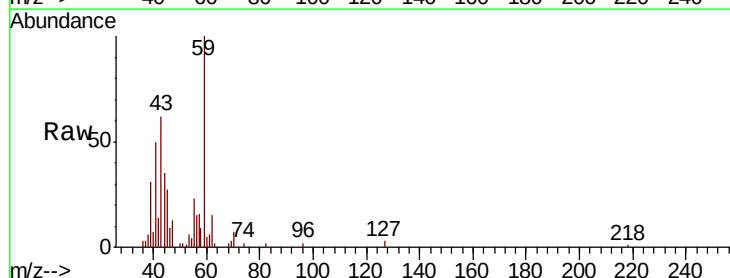
Acq: 18 May 2021 22:52

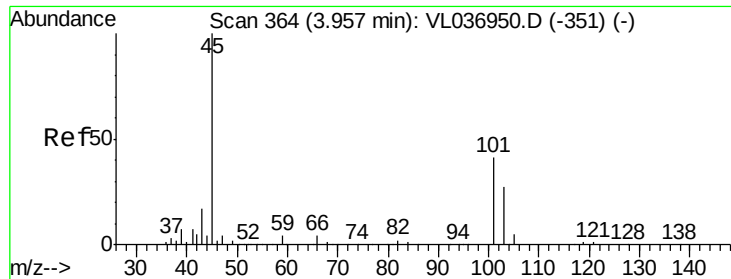
Tgt Ion: 59 Resp: 17104

Ion Ratio Lower Upper

59 100

57 43.0 8.3 12.5#





#19

Isopropyl Alcohol

Concen: 33.576 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampled :

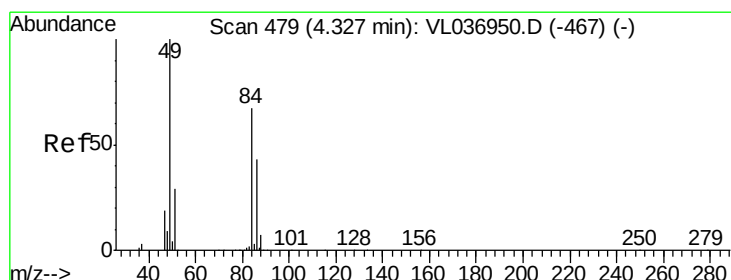
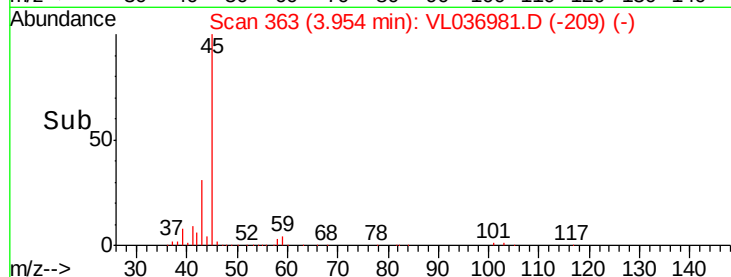
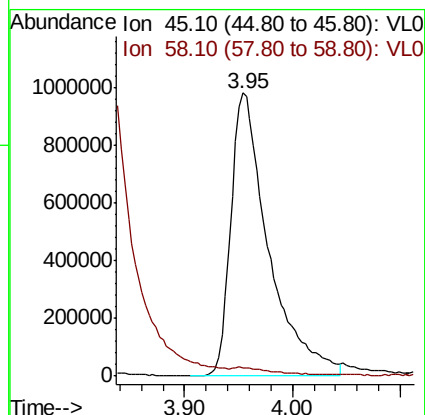
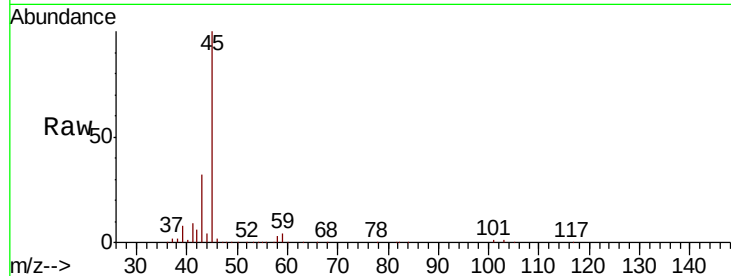
SV2

Tot Ion: 45 Resp: 2360816

Ion Ratio Lower Upper

45 100

58 3.5 37.2 55.8#



#20

Methylene Chloride

Concen: 3.102 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Tgt Ion: 84 Resp: 217532

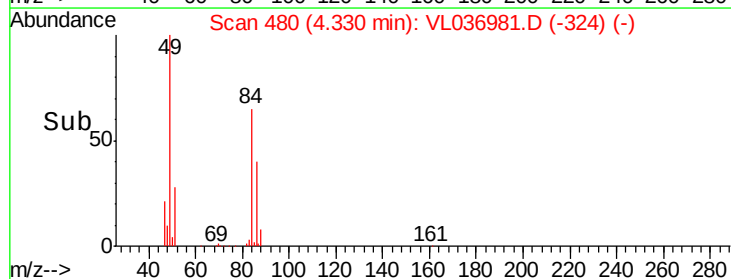
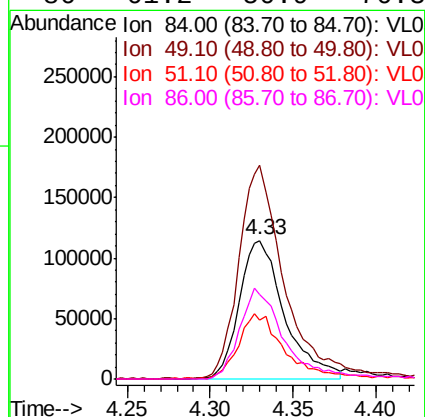
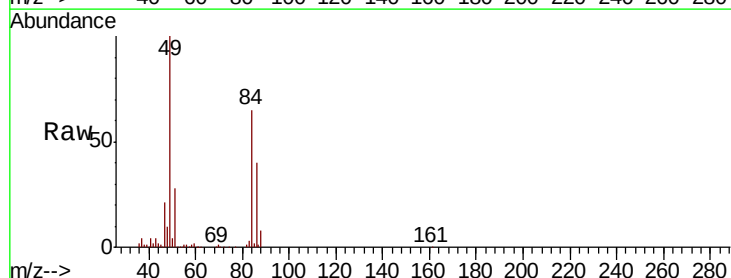
Ion Ratio Lower Upper

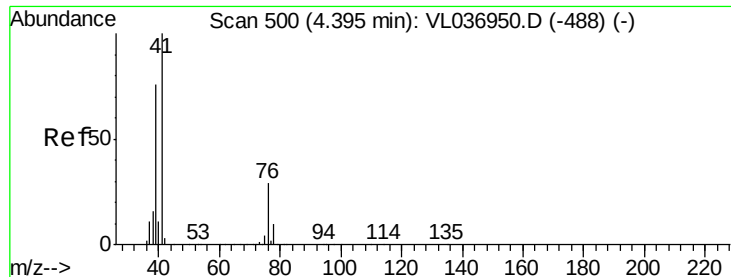
84 100

49 153.4 119.8 179.6

51 42.3 35.1 52.7

86 61.2 50.9 76.3

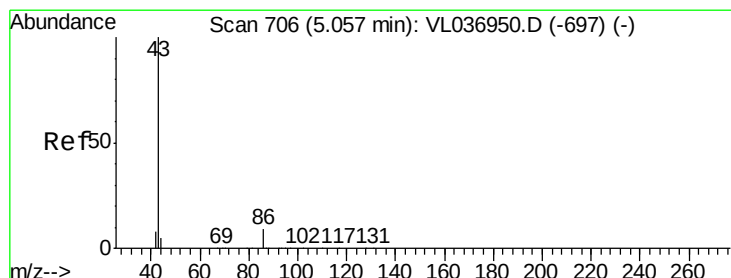
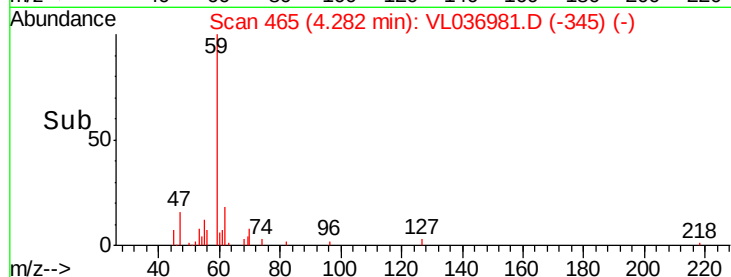
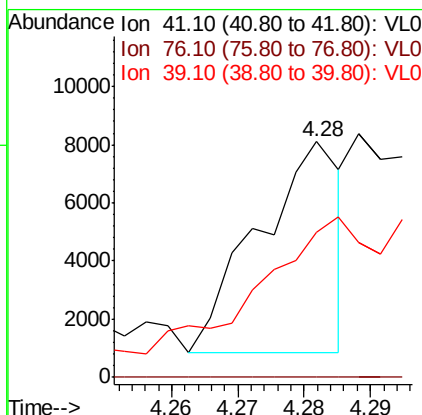
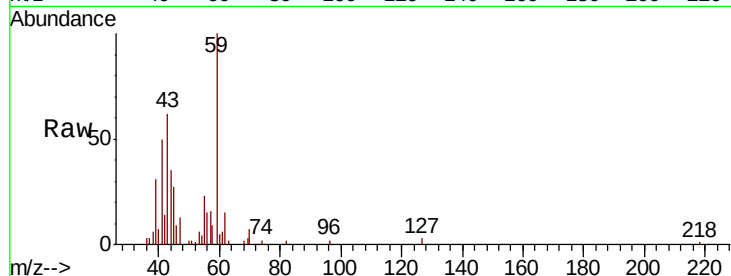




#21
Allvl Chloride
Concen: 0.064 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.11 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

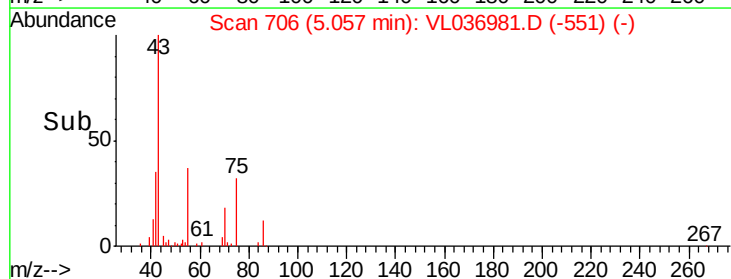
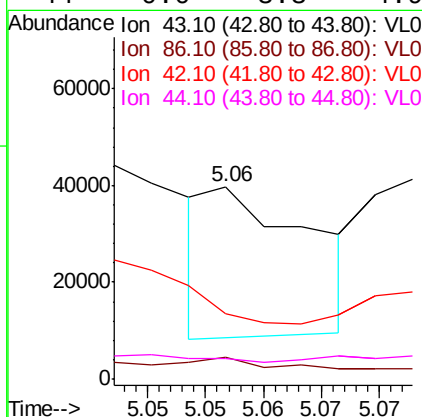
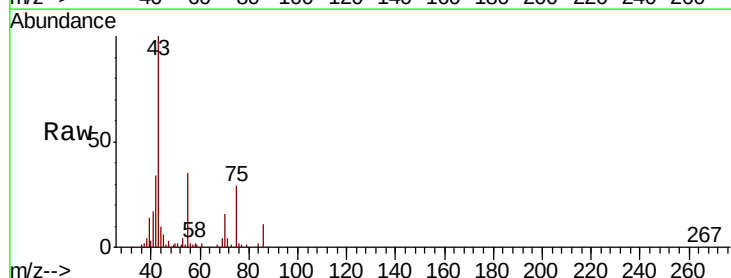
Instrument :
MSVOA_L
ClientSampleId :
SV2

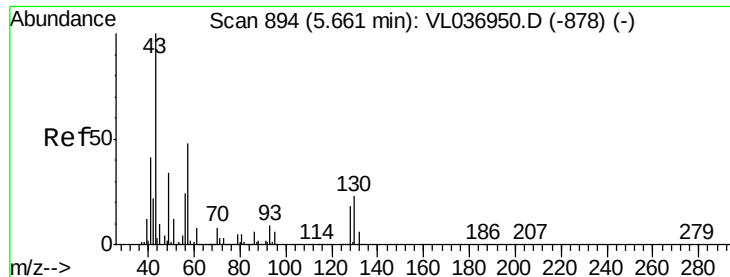
Tot Ion: 41 Resp: 6318
Ion Ratio Lower Upper
41 100
76 0.0 24.9 37.3#
39 160.4 63.7 95.5#



#23
Vinyl Acetate
Concen: 0.091 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 43 Resp: 18798
Ion Ratio Lower Upper
43 100
86 22.5 5.8 8.8#
42 4.4 7.4 11.2#
44 0.0 3.3 4.9#

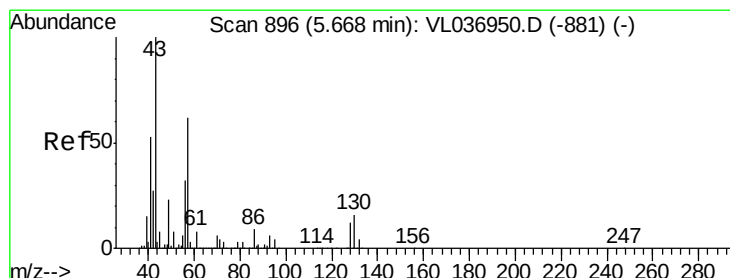
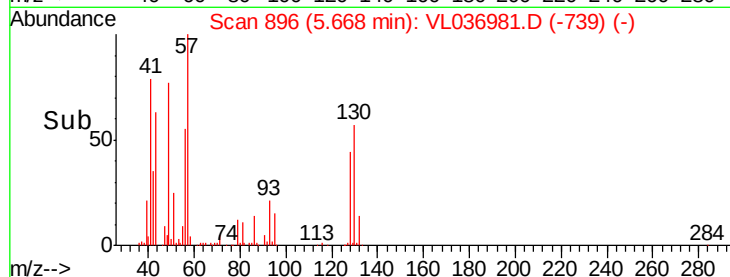
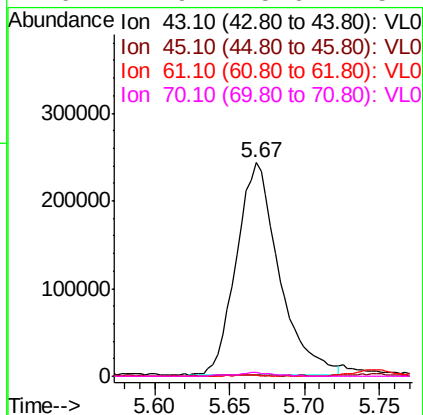
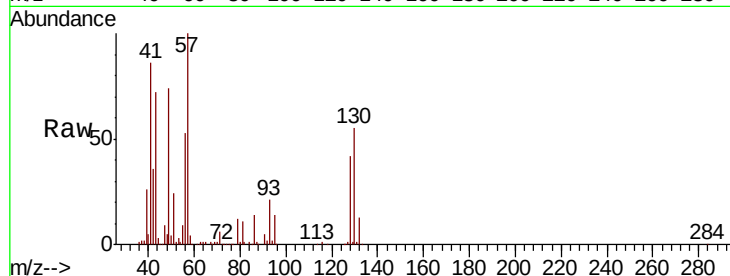




#25
Ethyl Acetate
Concen: 1.526 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

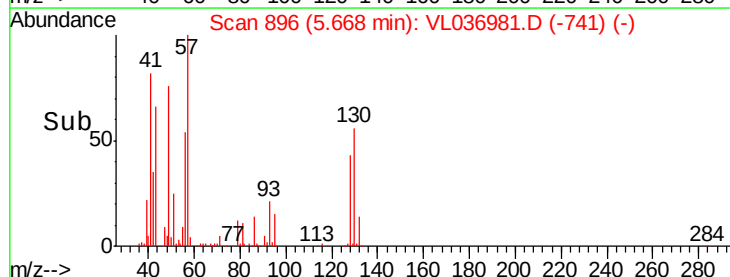
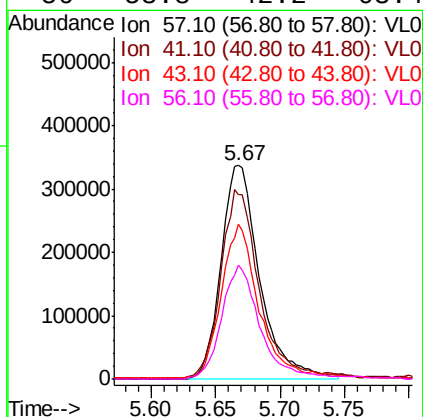
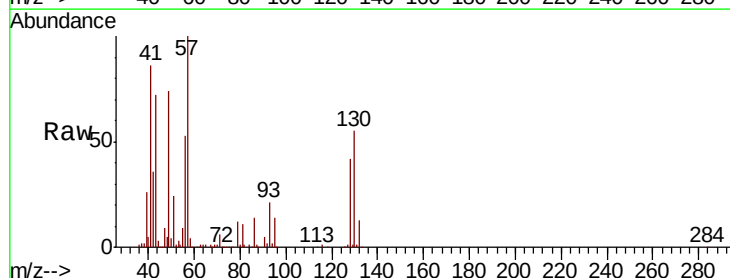
Instrument :
MSVOA_L
ClientSampleId :
SV2

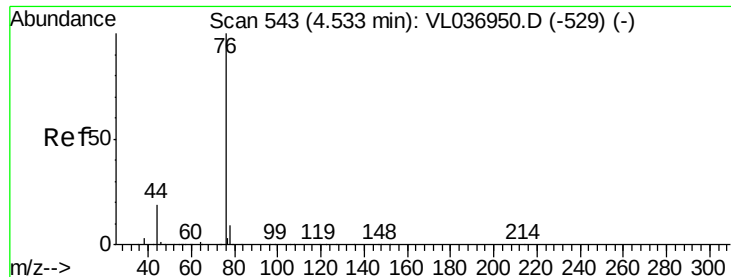
Tot Ion:	43	Resp:	479769
Ion	Ratio	Lower	Upper
43	100		
45	0.8	7.8	11.8#
61	0.6	7.8	11.8#
70	1.9	5.6	8.4#



#26
Hexane
Concen: 4.351 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion:	57	Resp:	698563
Ion	Ratio	Lower	Upper
57	100		
41	90.4	70.5	105.7
43	70.8	165.8	248.8#
56	53.8	42.2	63.4





#27

Carbon Disulfide

Concen: 0.360 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

SV2

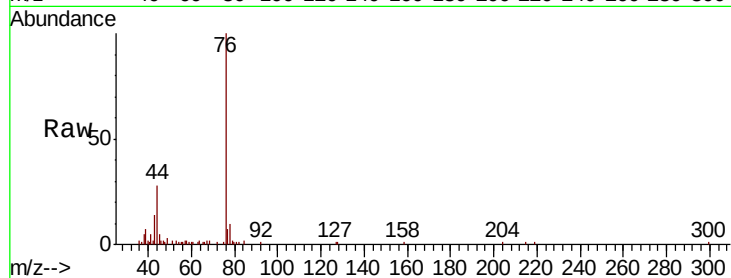
Tot Ion: 76 Resp: 58271

Ion Ratio Lower Upper

76 100

44 28.1 15.5 23.3#

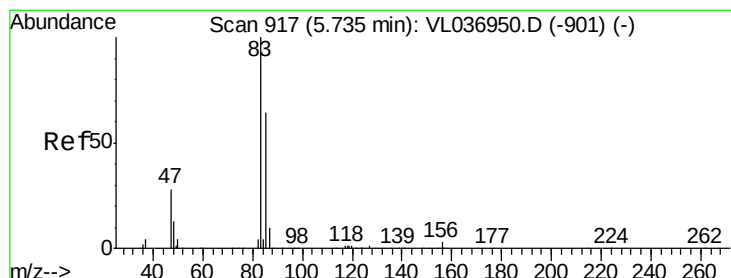
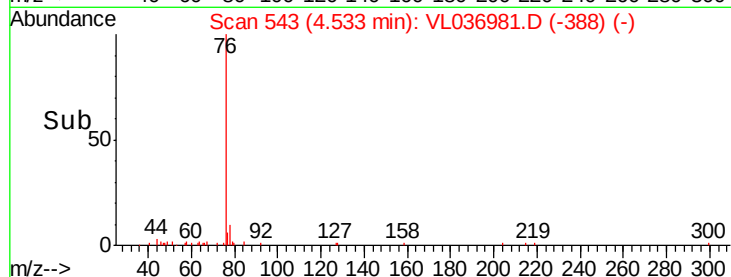
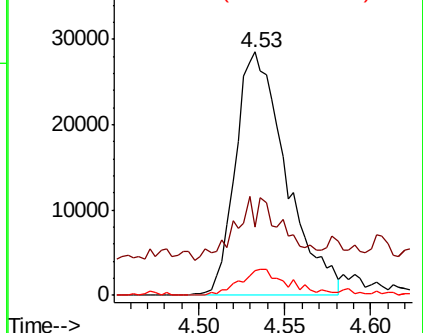
78 11.8 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#29

Chloroform

Concen: 0.074 ppbv

RT: 5.74 min Scan# 917

Delta R.T. -0.00 min

Lab File: VL036981.D

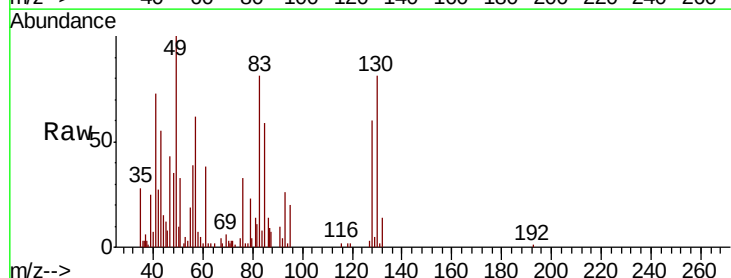
Acq: 18 May 2021 22:52

Tgt Ion: 83 Resp: 16739

Ion Ratio Lower Upper

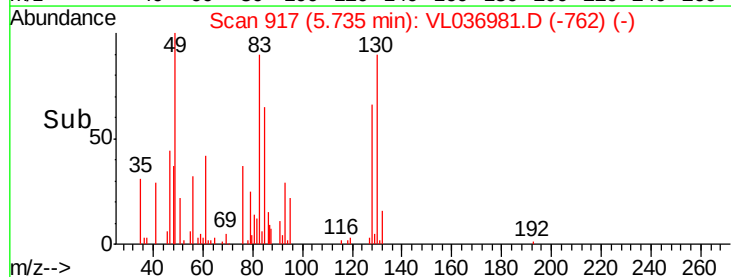
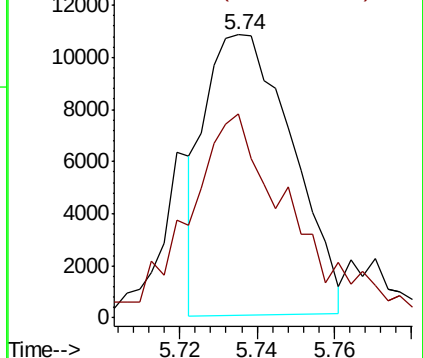
83 100

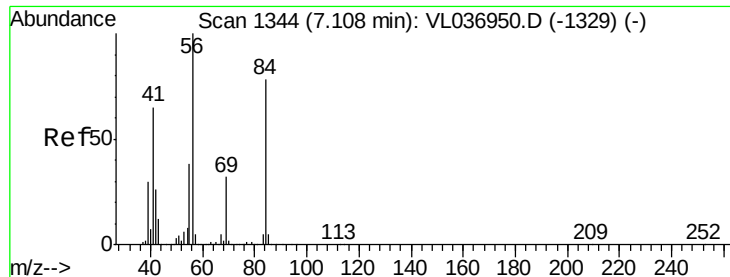
85 59.1 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

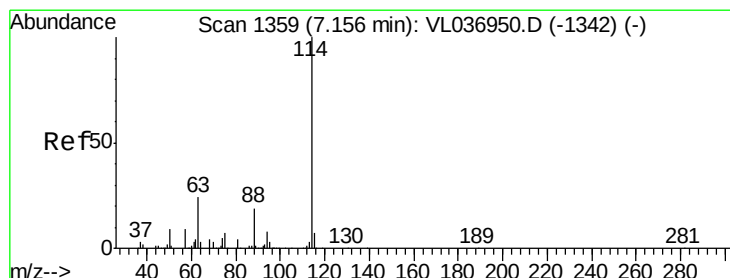
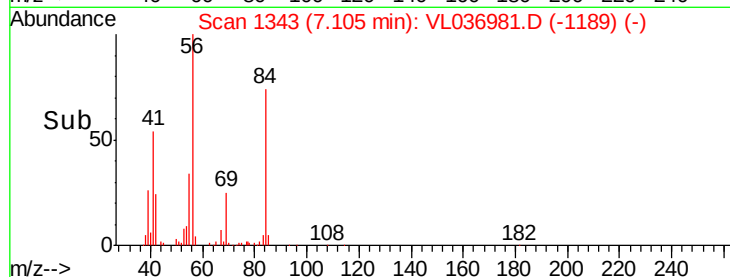
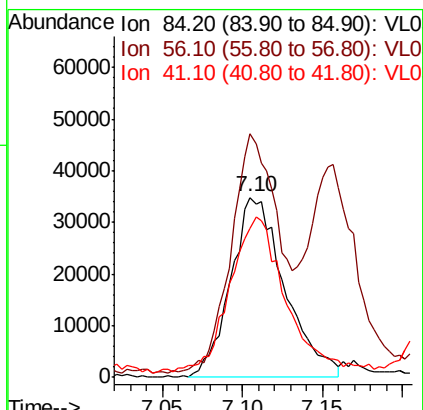
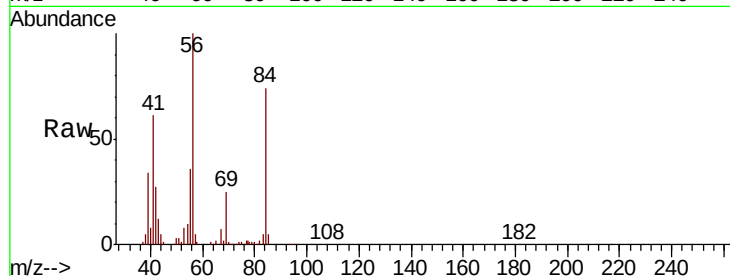




#30
Cyclohexane
Concen: 0.584 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

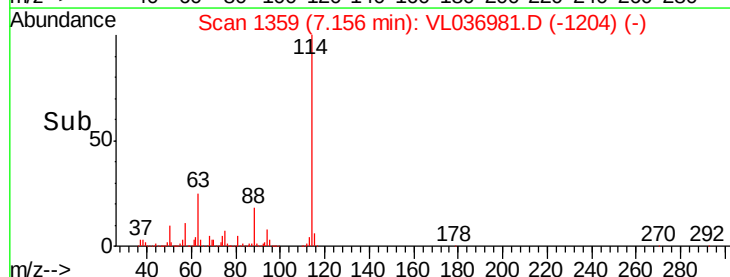
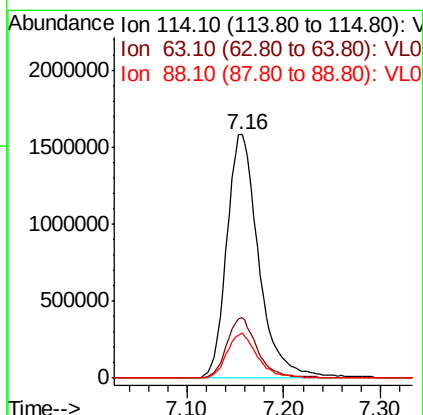
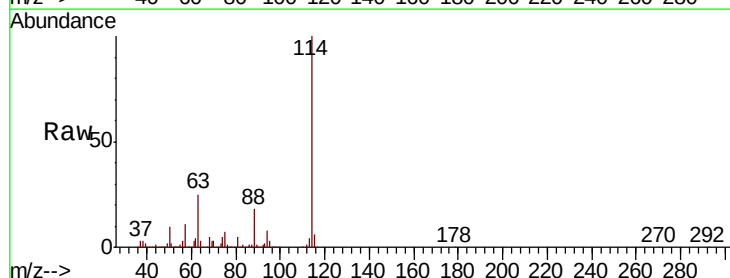
Instrument :
MSVOA_L
ClientSampleId :
SV2

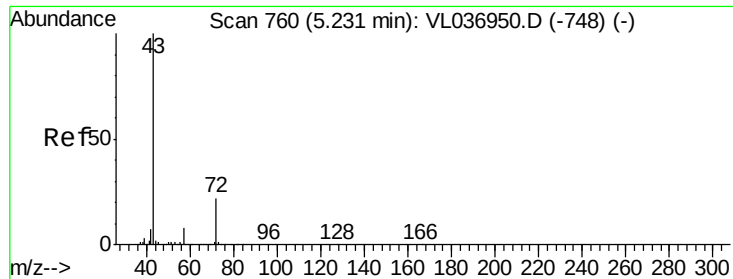
Tot Ion	Ratio	Lower	Upper
84	100		
56	110.8	107.9	161.9
41	85.3	65.5	98.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.6	29.4
88	17.8	14.6	21.8

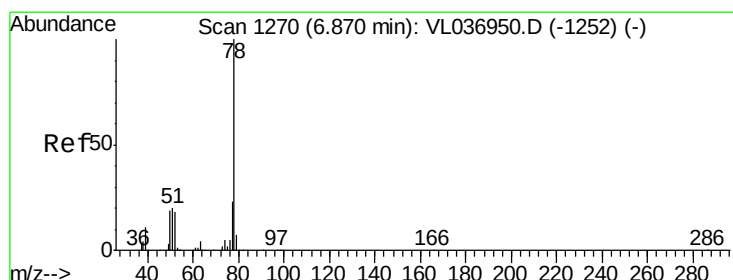
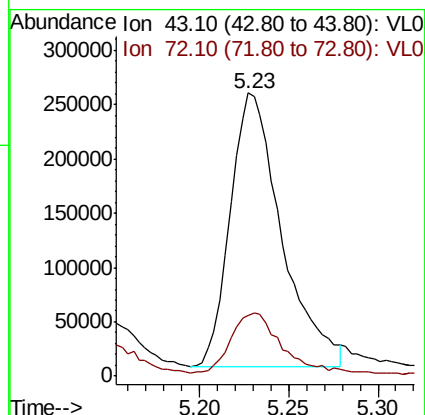
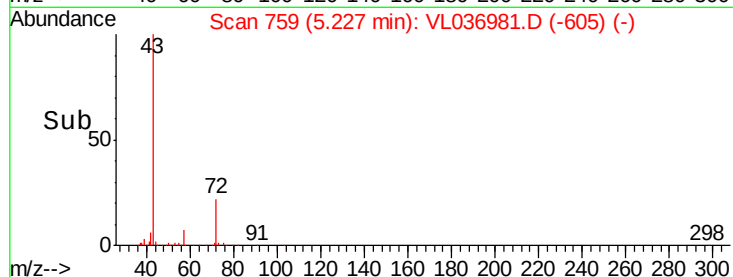
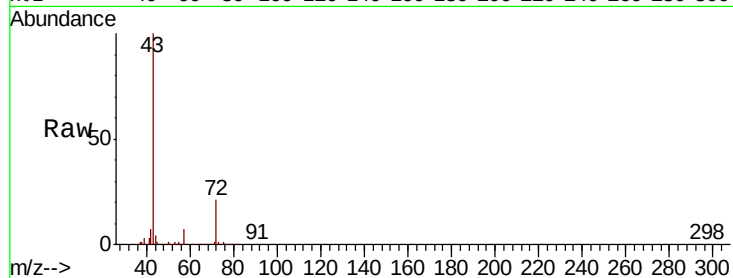




#34
 2-Butanone
 Concen: 3.827 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL036981.D
 Acq: 18 May 2021 22:52

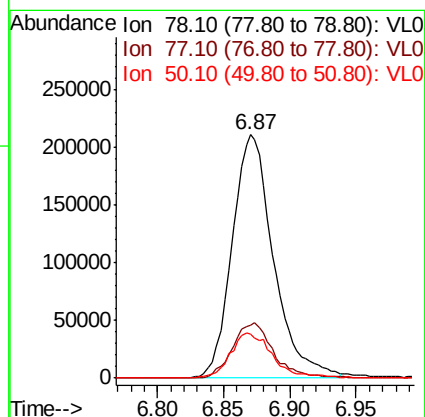
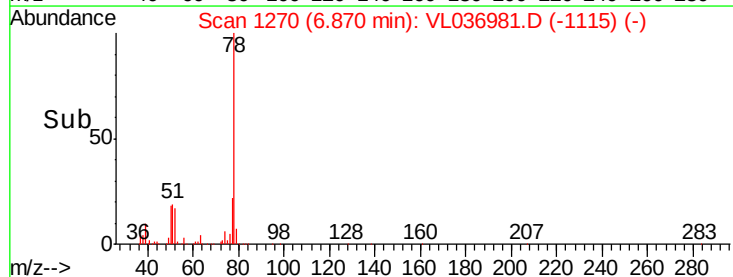
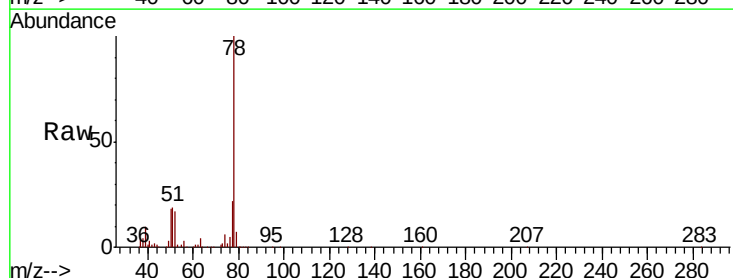
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

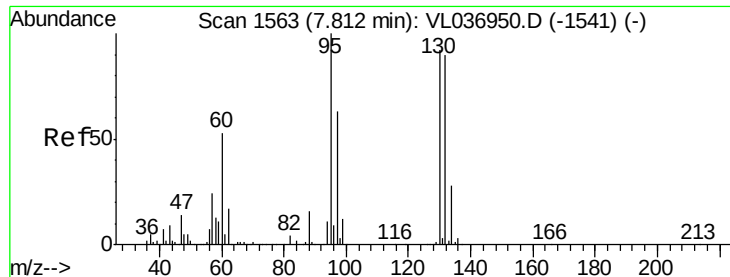
Tot Ion: 43 Resp: 506239
 Ion Ratio Lower Upper
 43 100
 72 25.6 19.0 28.4



#36
 Benzene
 Concen: 1.463 ppbv
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VL036981.D
 Acq: 18 May 2021 22:52

Tgt Ion: 78 Resp: 457911
 Ion Ratio Lower Upper
 78 100
 77 21.9 18.6 28.0
 50 17.5 15.0 22.4





#38

Trichloroethene

Concen: 6.499 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion:130 Resp: 869956

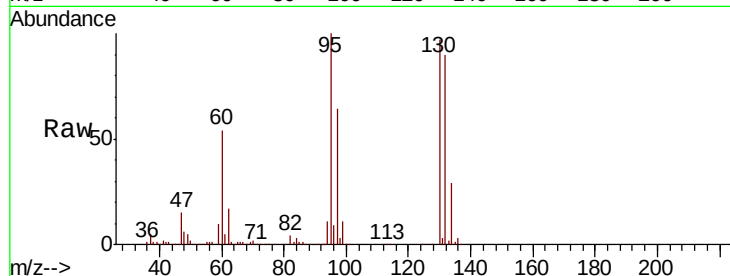
Ion Ratio Lower Upper

130 100

95 103.6 86.9 130.3

132 92.9 78.4 117.6

97 66.4 55.0 82.6

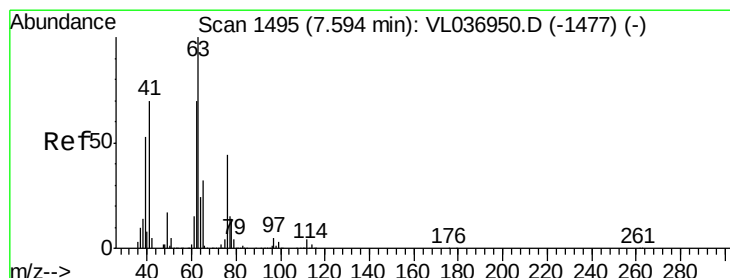
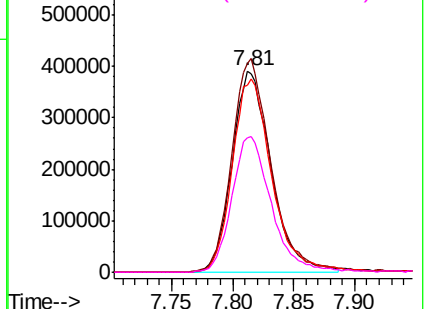
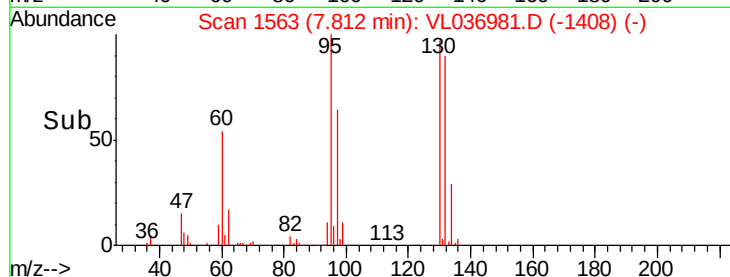


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.113 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

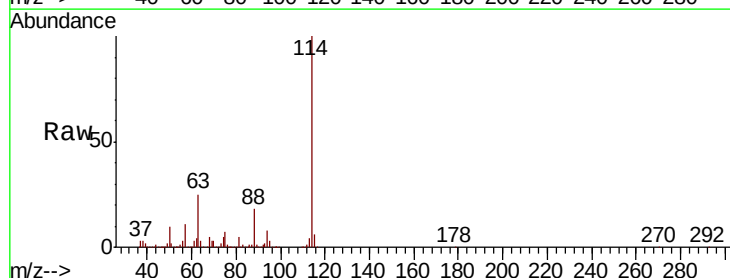
Tgt Ion: 63 Resp: 857423

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

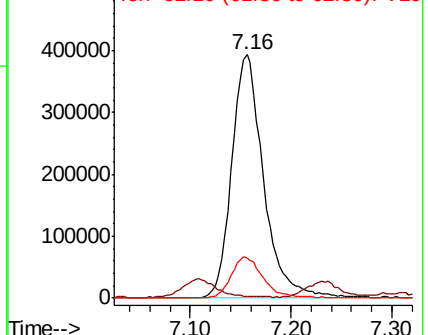
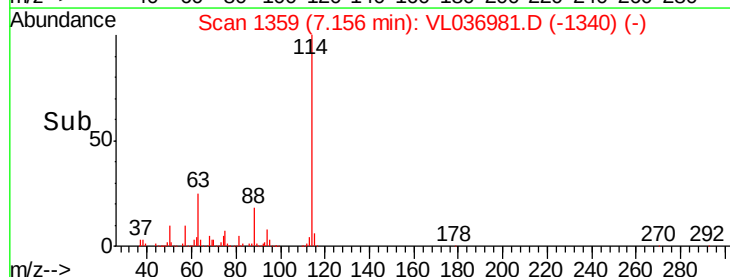
62 16.7 56.2 84.4#

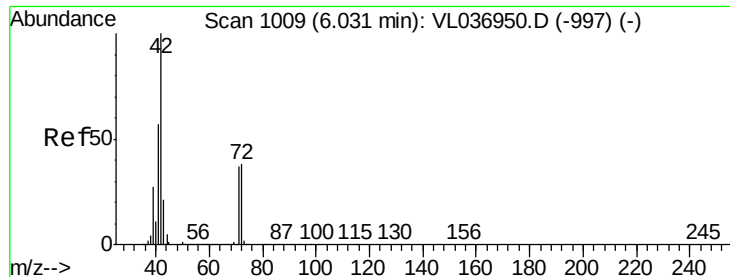


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.037 ppbv

RT: 6.01 min Scan# 1003

Delta R.T. -0.02 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

SV2

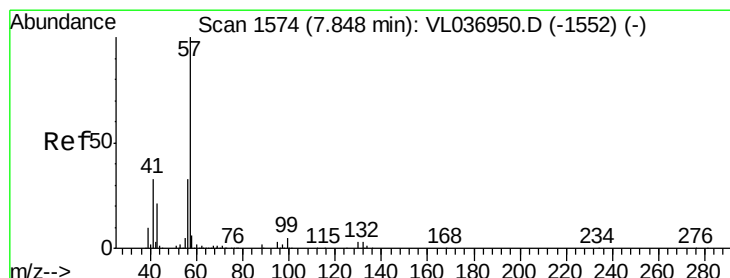
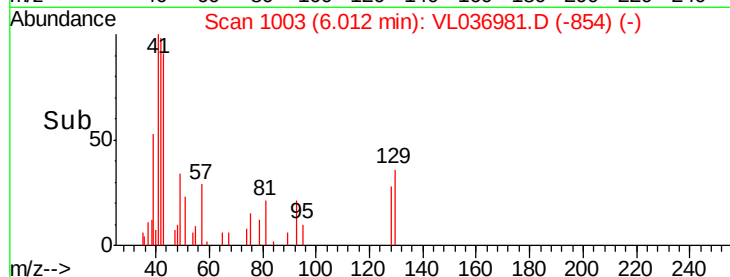
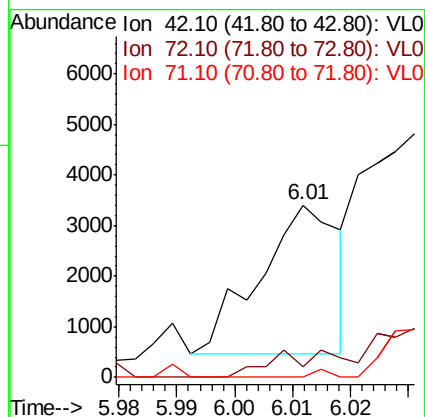
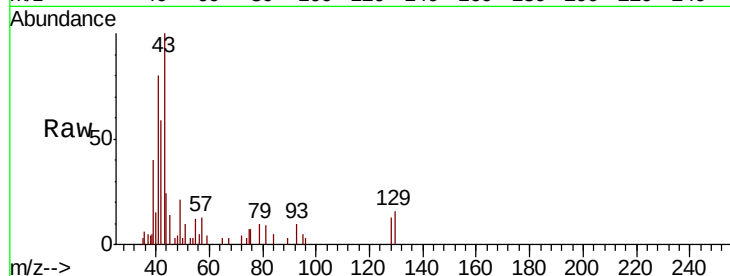
Tot Ion: 42 Resp: 2792

Ion Ratio Lower Upper

42 100

72 153.9 31.4 47.2#

71 91.3 30.4 45.6#



#44

2,2,4-Trimethylpentane

Concen: 0.055 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

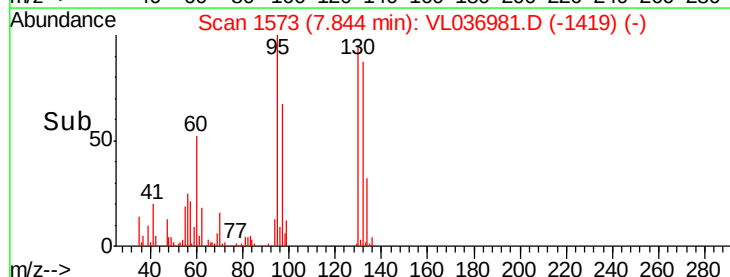
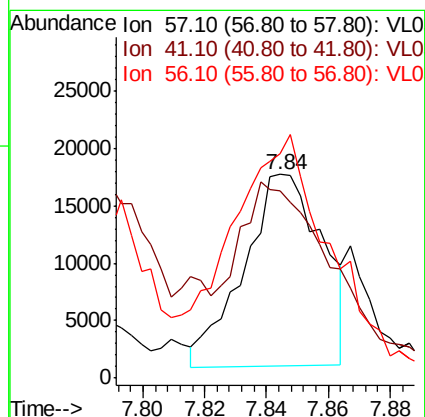
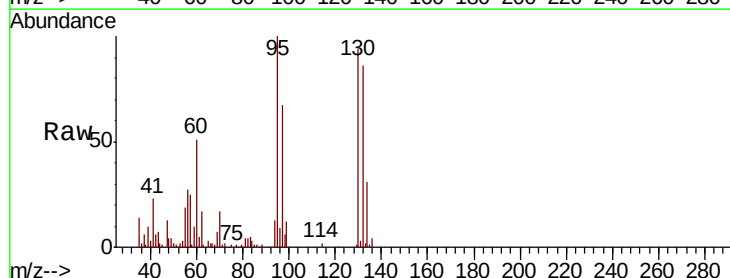
Tgt Ion: 57 Resp: 29496

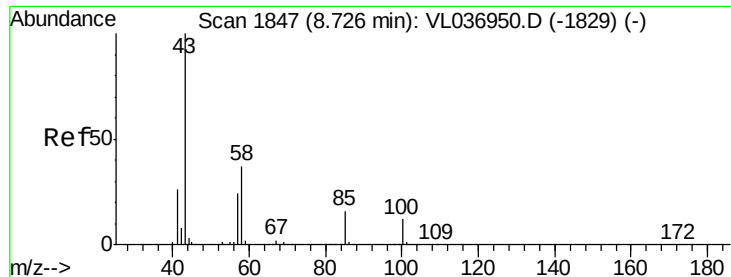
Ion Ratio Lower Upper

57 100

41 132.6 27.0 40.4#

56 159.0 25.4 38.2#

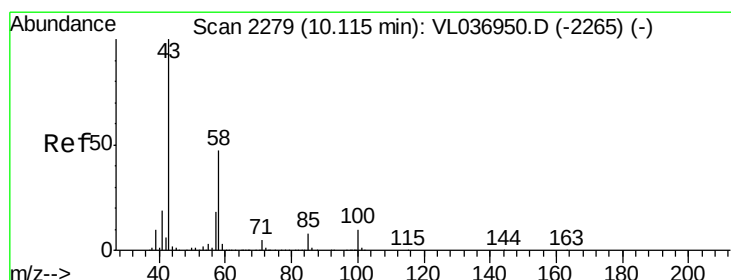
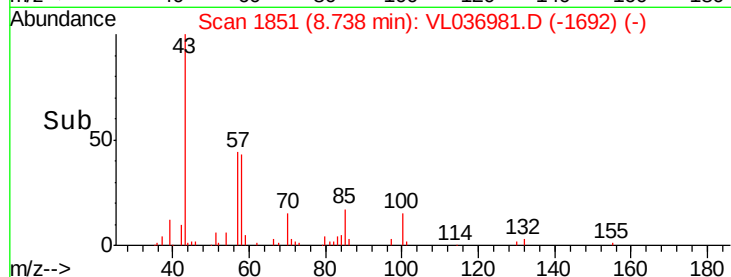
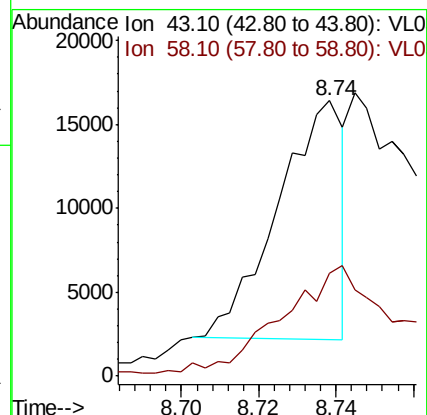
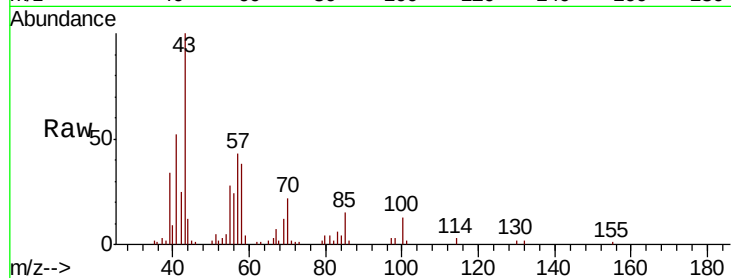




#50
4-Methyl-2-Pentanone
Concen: 0.077 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. 0.01 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

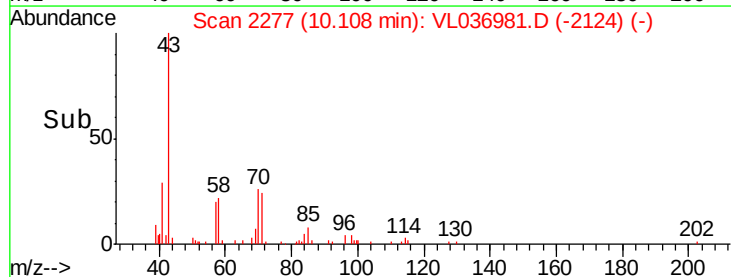
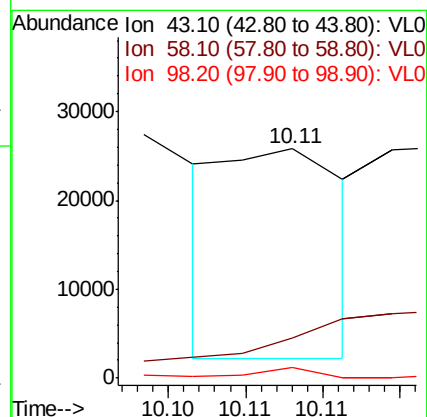
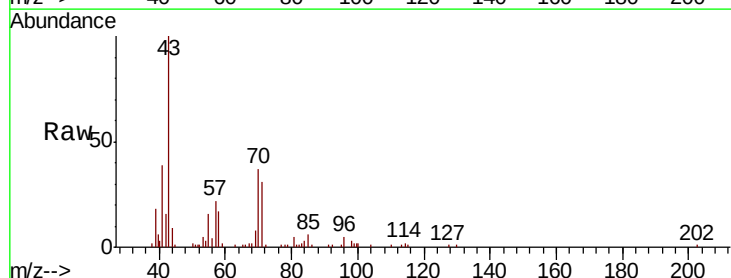
Instrument :
MSVOA_L
ClientSampled :
SV2

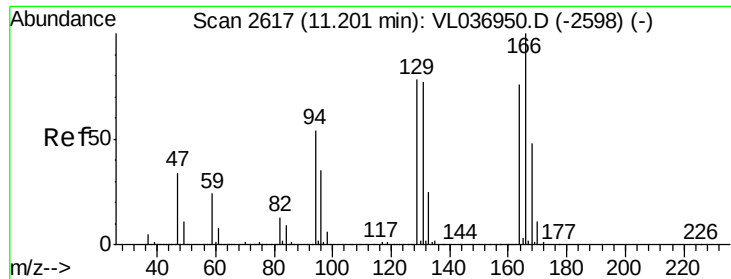
Tot Ion: 43 Resp: 16760
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#51
2-Hexanone
Concen: 0.111 ppbv
RT: 10.11 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 43 Resp: 12795
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#

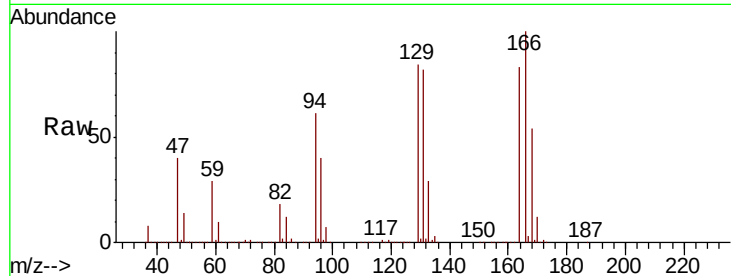




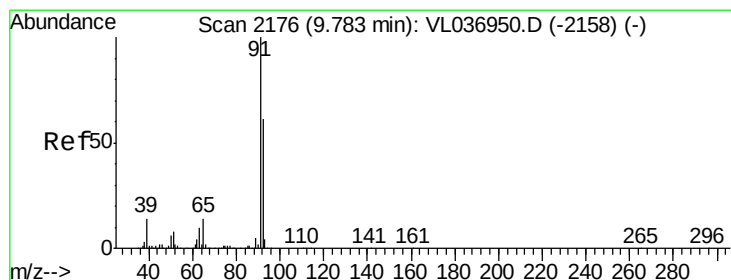
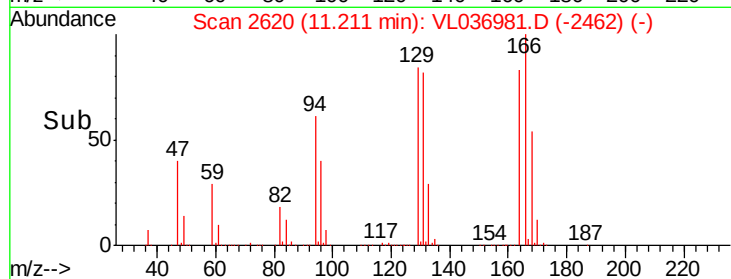
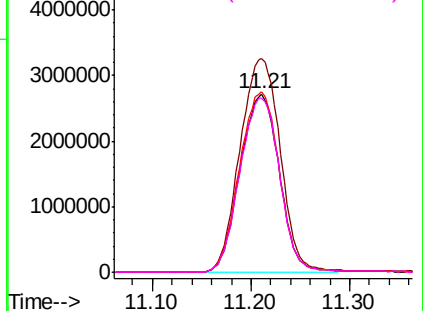
#52
Tetrachloroethene
Concen: 60.041 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.01 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Instrument :
MSVOA_L
ClientSampleID :
SV2

Tot Ion:164 Resp: 7471253
Ion Ratio Lower Upper
164 100
166 119.8 105.5 158.3
129 101.0 81.8 122.8
131 97.7 81.2 121.8

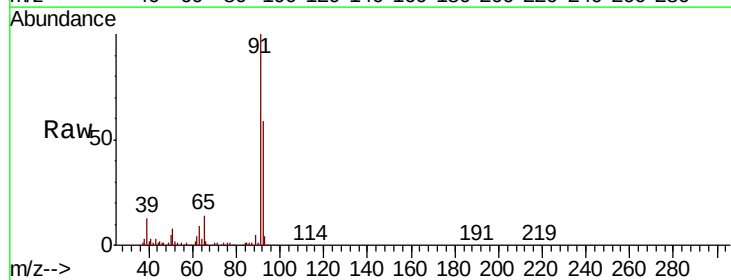


Abundance Ion 163.90 (163.60 to 164.60): V
5000000 Ion 165.90 (165.60 to 166.60): V
4000000 Ion 129.00 (128.70 to 129.70): V
3000000 Ion 131.00 (130.70 to 131.70): V
2000000
1000000
0

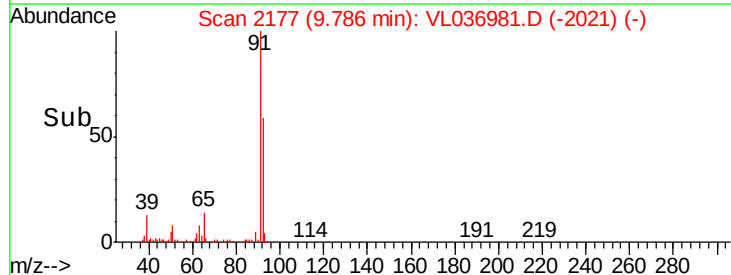
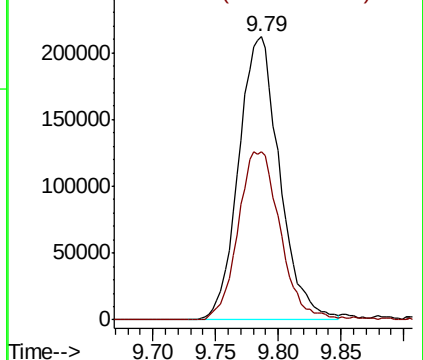


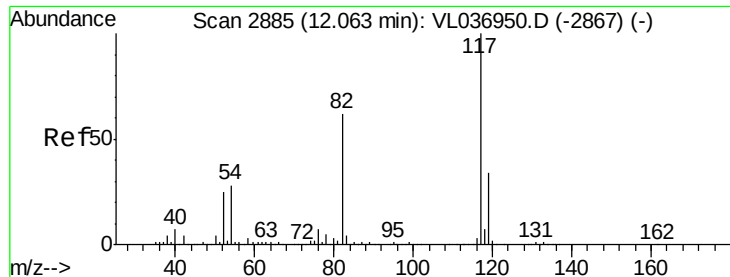
#53
Toluene
Concen: 1.293 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 91 Resp: 481344
Ion Ratio Lower Upper
91 100
92 61.6 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
250000 Ion 92.10 (91.80 to 92.80): VL0
200000
150000
100000
50000
0

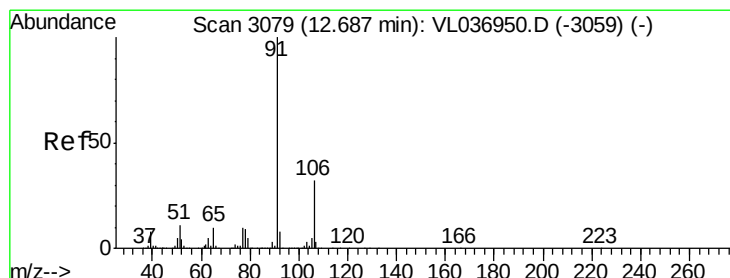
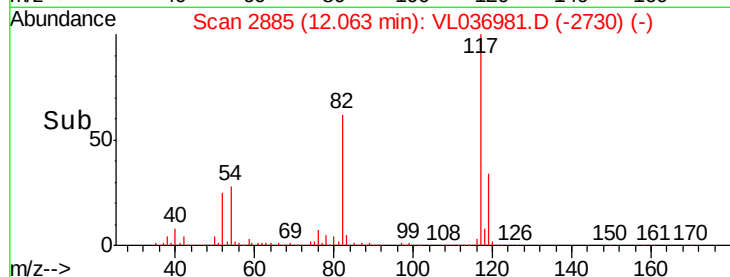
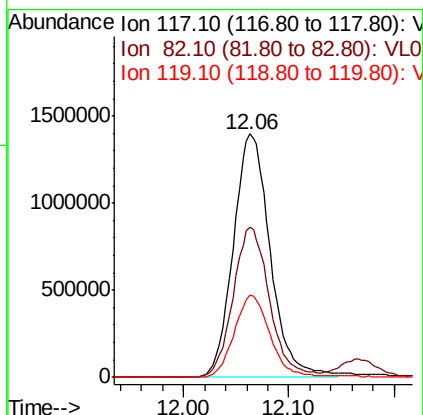
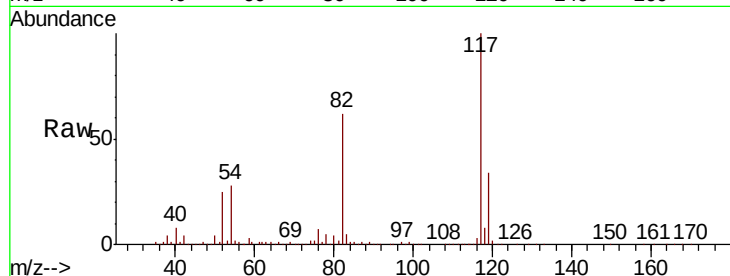




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

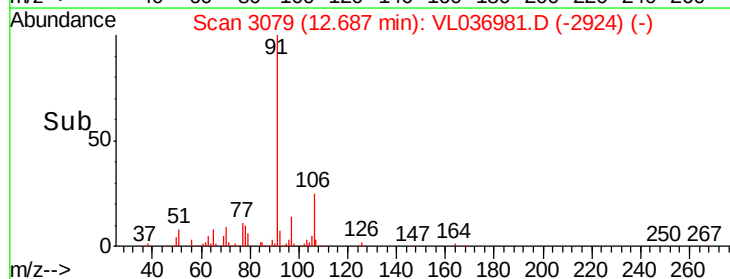
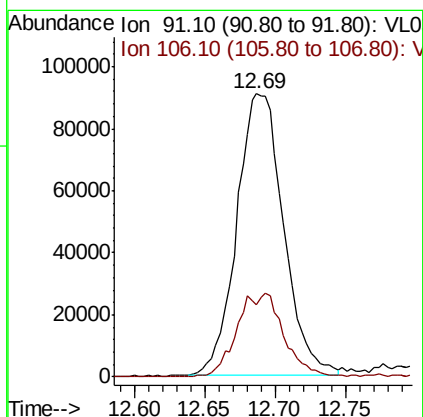
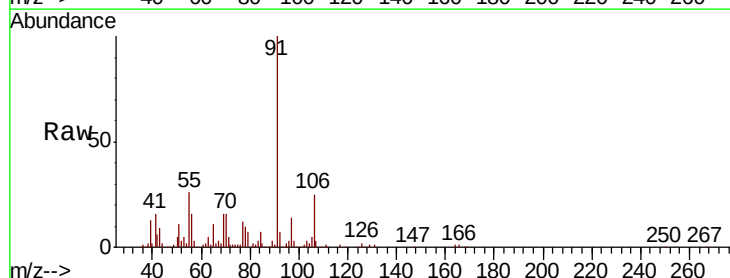
Instrument :
MSVOA_L
ClientSampleId :
SV2

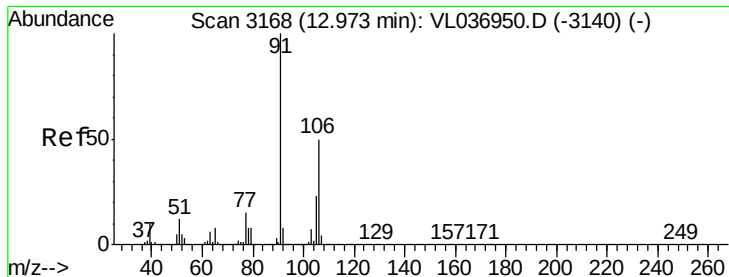
Tot Ion:117 Resp: 3396626
Ion Ratio Lower Upper
117 100
82 60.8 52.6 79.0
119 33.4 46.6 70.0#



#58
Ethyl Benzene
Concen: 0.439 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 91 Resp: 210634
Ion Ratio Lower Upper
91 100
106 25.4 25.6 38.4#

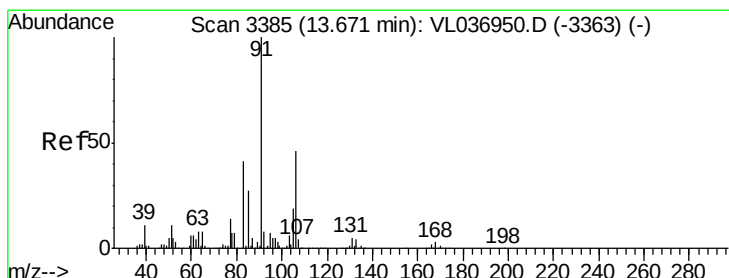
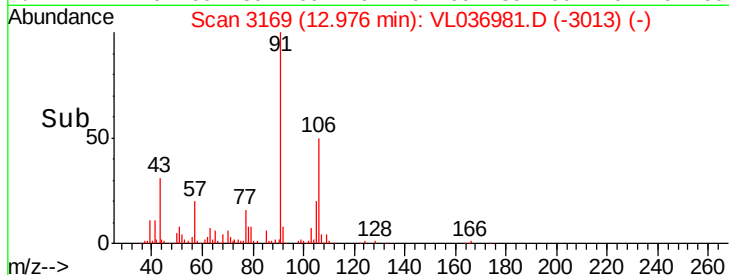
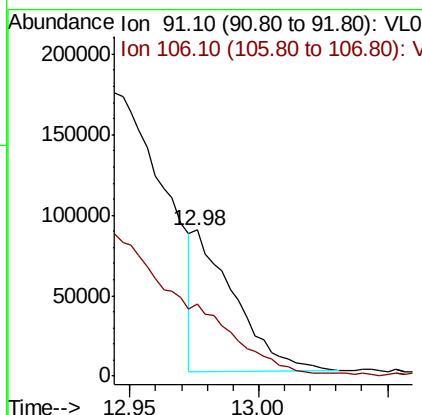
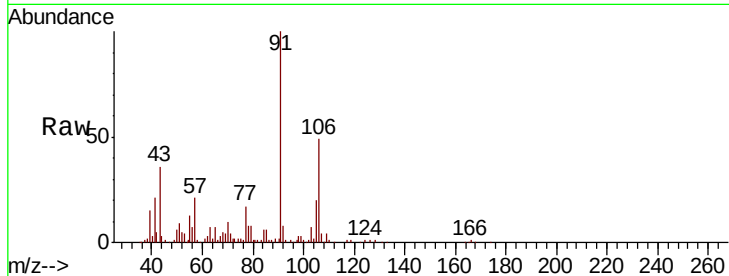




#59
m/p-Xylene
Concen: 0.246 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

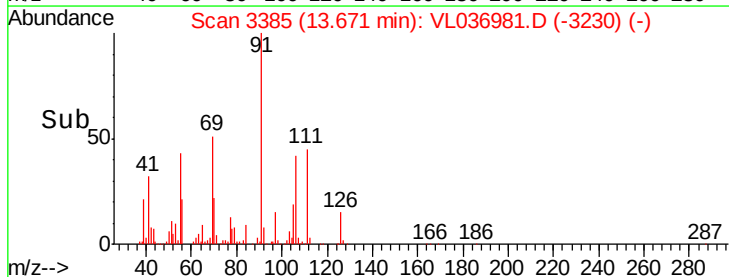
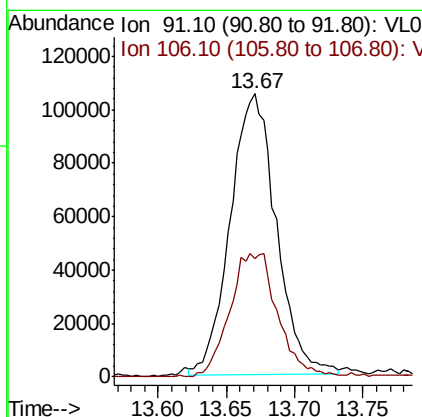
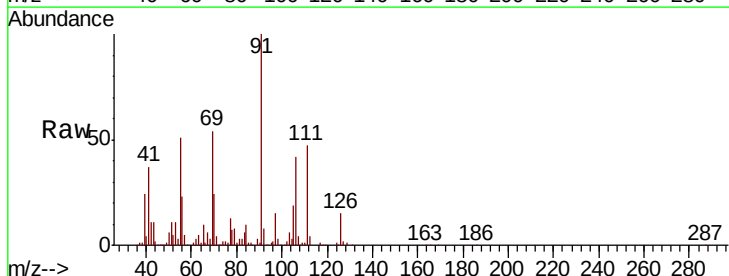
Instrument :
MSVOA_L
ClientSampled :
SV2

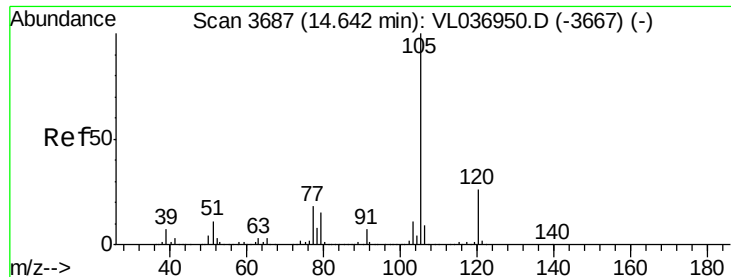
Tot Ion: 91 Resp: 97438
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#



#60
o-Xylene
Concen: 0.651 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 91 Resp: 246028
Ion Ratio Lower Upper
91 100
106 45.9 23.4 70.3





#62

Isopropylbenzene

Concen: 0.048 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

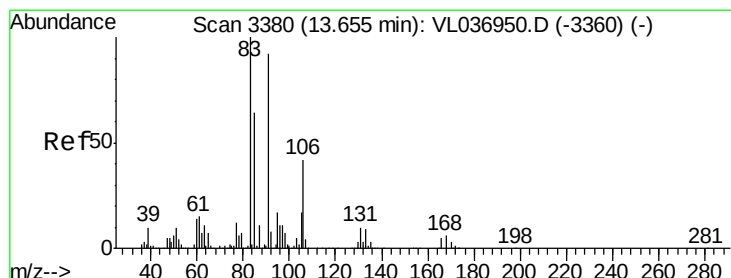
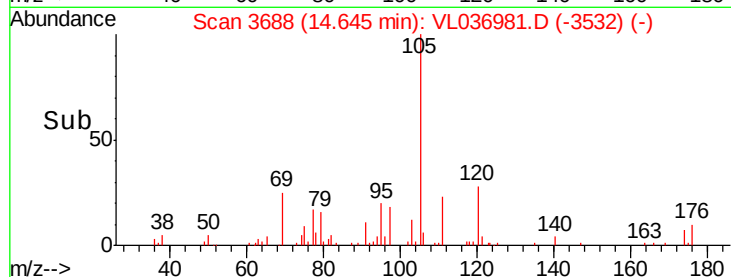
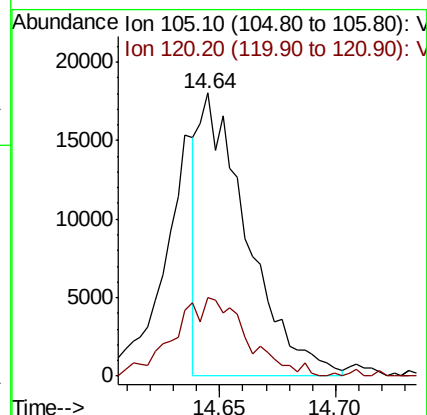
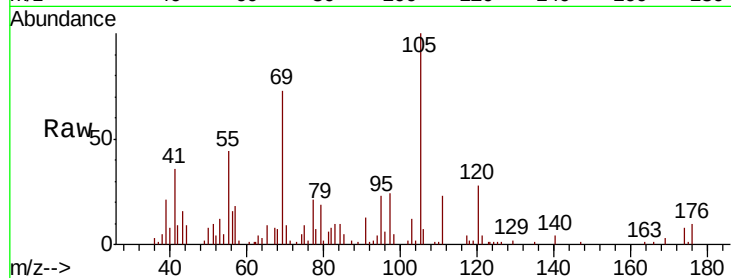
SV2

Tot Ion:105 Resp: 26180

Ion Ratio Lower Upper

105 100

120 41.9 21.7 32.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.067 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

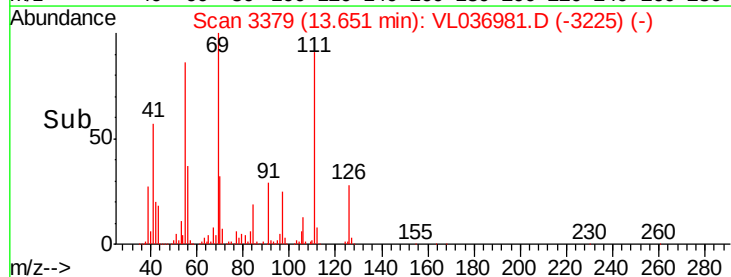
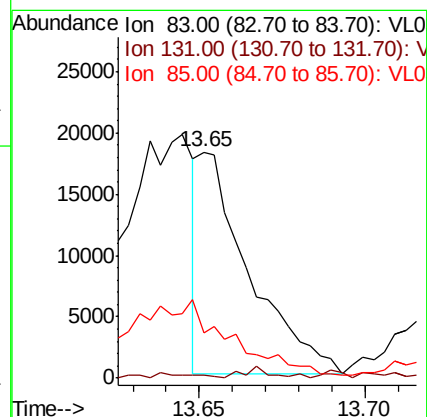
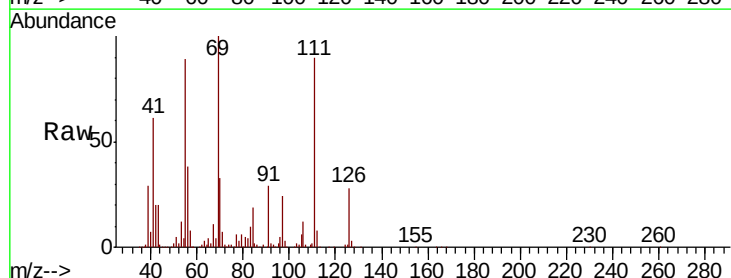
Tgt Ion: 83 Resp: 18834

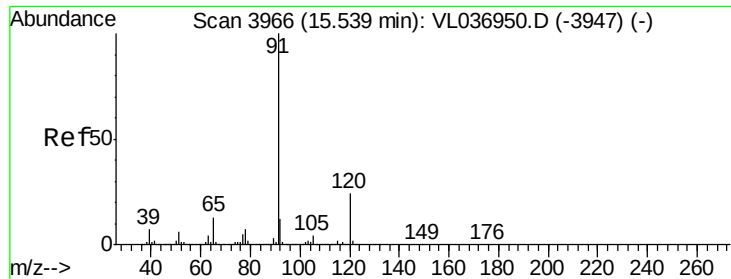
Ion Ratio Lower Upper

83 100

131 4.5 5.0 15.0#

85 76.4 32.9 98.6

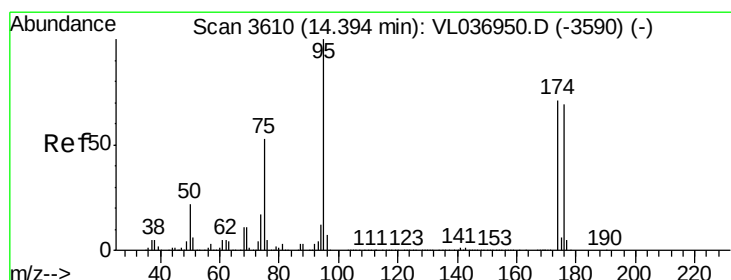
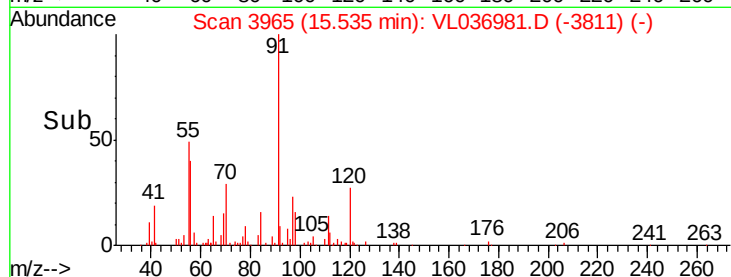
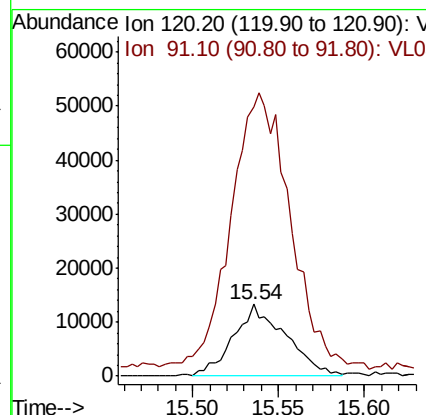
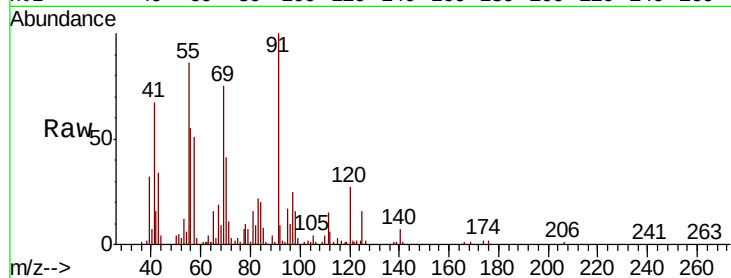




#64
n-propylbenzene
Concen: 0.197 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

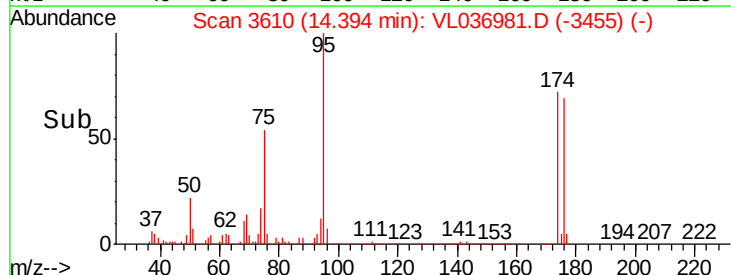
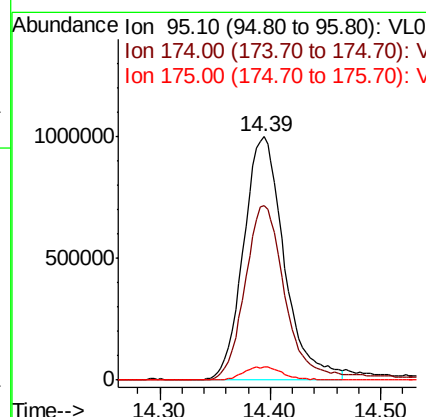
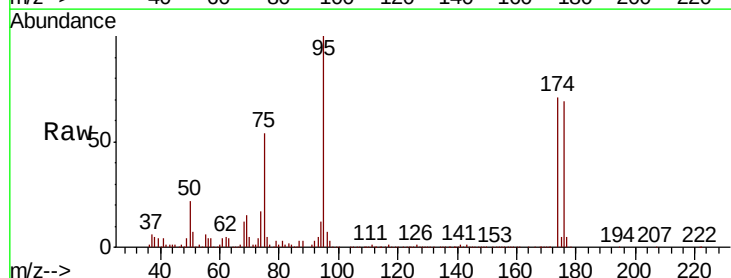
Instrument :
MSVOA_L
ClientSampleID :
SV2

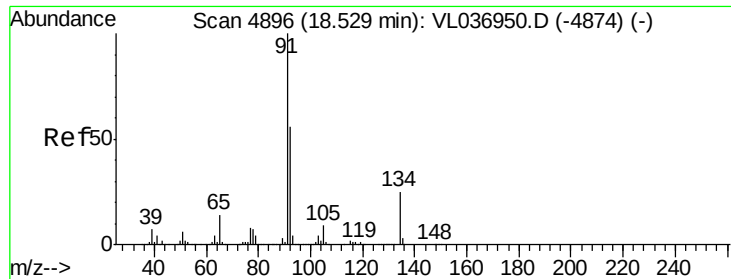
Tot Ion:120 Resp: 27541
Ion Ratio Lower Upper
120 100
91 485.7 343.8 515.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.960 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 95 Resp: 2541293
Ion Ratio Lower Upper
95 100
174 74.5 58.4 87.6
175 5.7 4.4 6.6

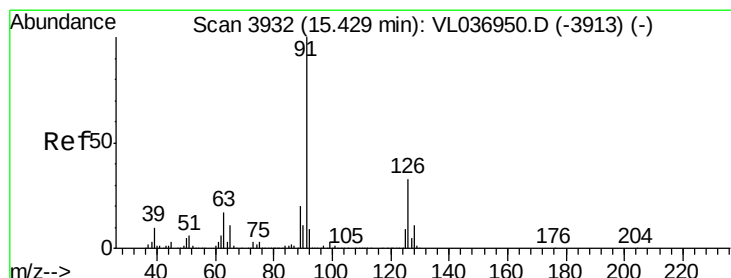
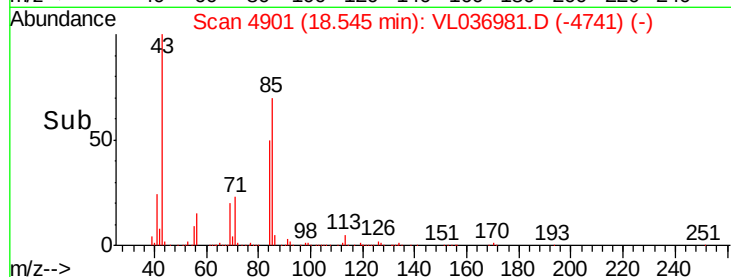
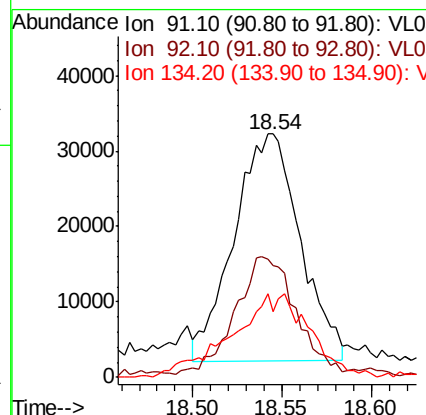
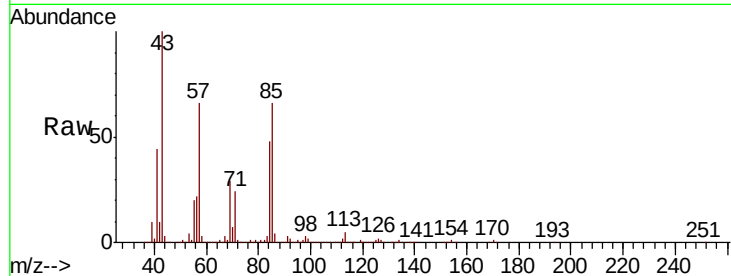




#70
n-Butylbenzene
Concen: 0.143 ppbv
RT: 18.54 min Scan# 4901
Delta R.T. 0.02 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

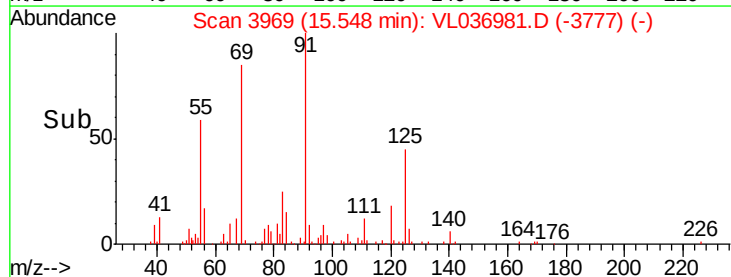
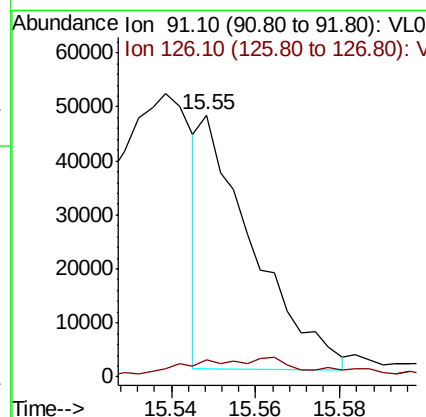
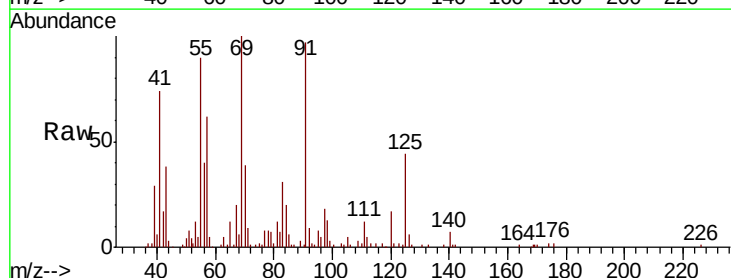
Instrument :
MSVOA_L
ClientSampleId :
SV2

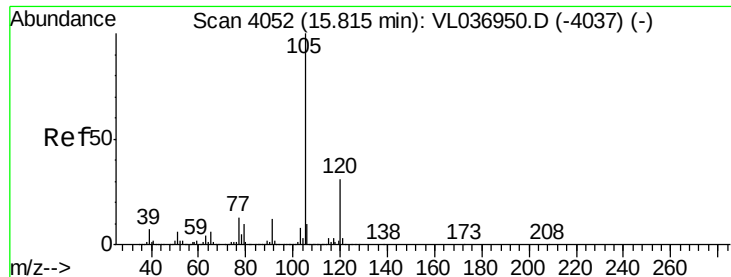
Tot Ion: 91 Resp: 78100
Ion Ratio Lower Upper
91 100
92 48.7 44.6 66.8
134 43.9 20.2 30.2#



#71
2-Chlorotoluene
Concen: 0.103 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. 0.12 min
Lab File: VL036981.D
Acq: 18 May 2021 22:52

Tgt Ion: 91 Resp: 40341
Ion Ratio Lower Upper
91 100
126 21.2 13.1 52.5





#72

4-Ethyltoluene

Concen: 0.273 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

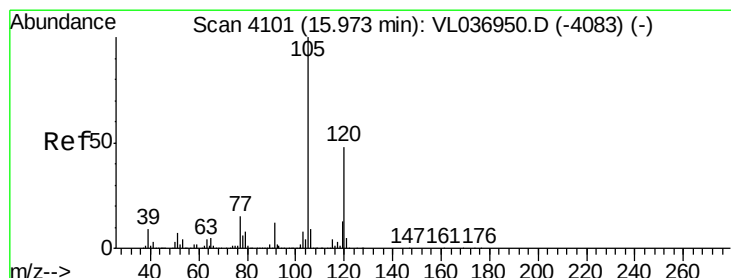
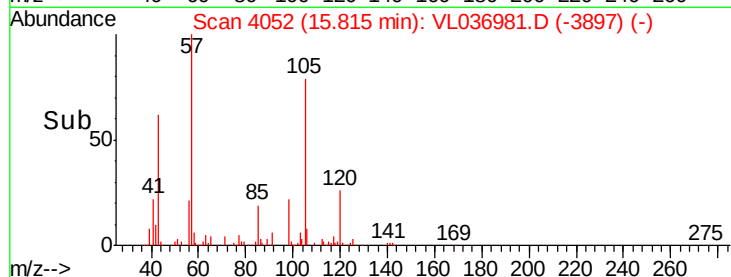
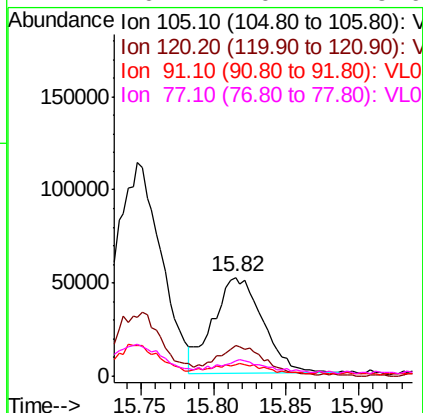
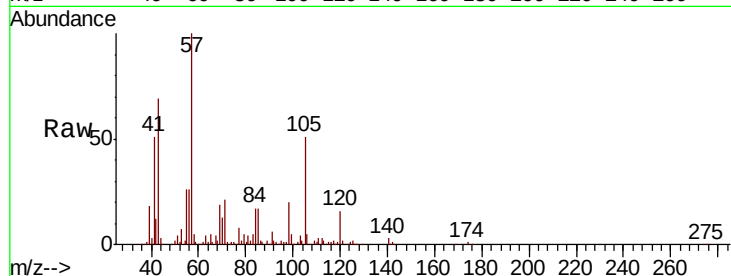
Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion:	105	Resp:	122239
Ion	Ratio	Lower	Upper
105	100		
120	33.5	24.6	37.0
91	10.9	9.8	14.6
77	20.4	10.4	15.6



#73

1,3,5-Trimethylbenzene

Concen: 0.242 ppbv

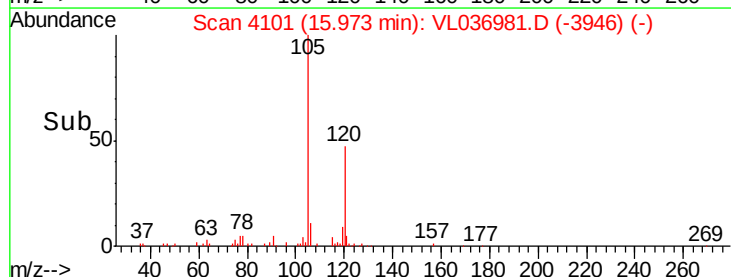
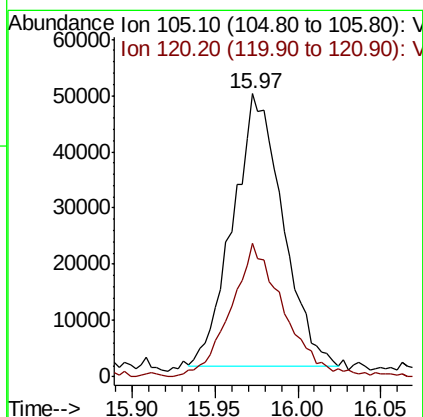
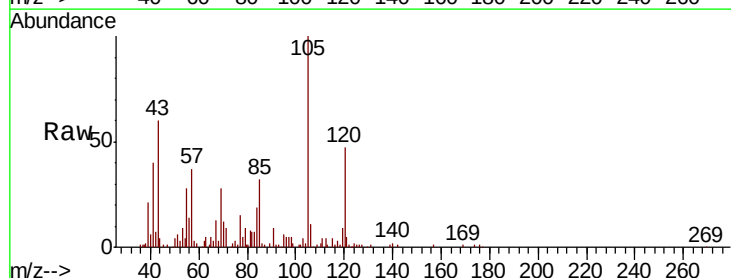
RT: 15.97 min Scan# 4101

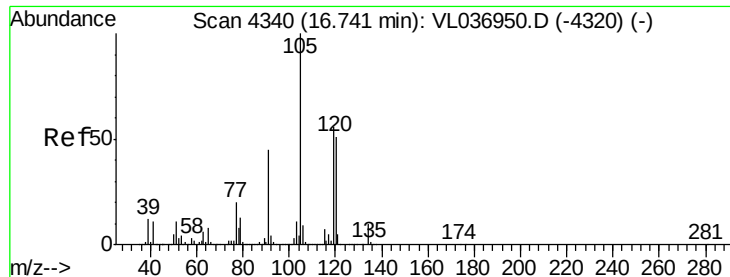
Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Tgt Ion:	105	Resp:	101785
Ion	Ratio	Lower	Upper
105	100		
120	46.1	38.6	58.0





#74

1,2,4-Trimethylbenzene

Concen: 0.797 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036981.D

Acq: 18 May 2021 22:52

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion:105 Resp: 347160

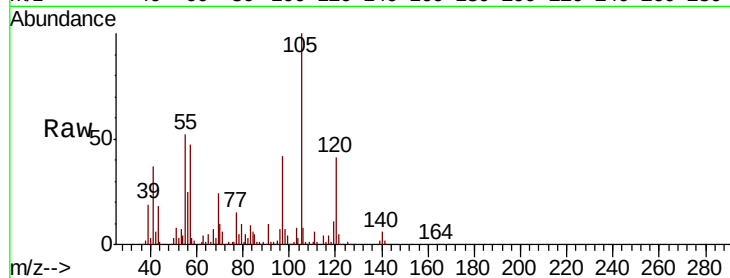
Ion Ratio Lower Upper

105 100

120 41.4 40.6 61.0

91 9.3 37.4 56.0#

77 12.9 16.2 24.4#



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

