

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035012.D
 Acq On : 13 May 2020 7:11
 Operator : SY/AP
 Sample : L2566-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

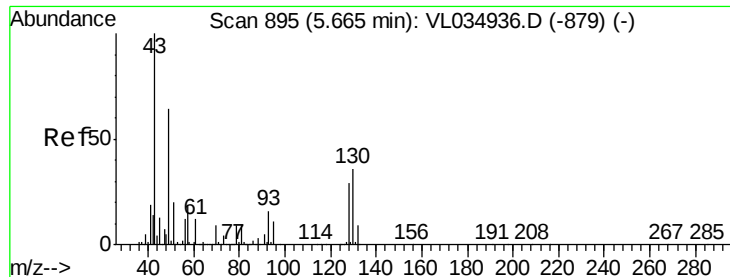
Quant Time: May 13 08:44:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	829422	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2026686	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	1867103	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	1511533	10.00	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	12466	0.303	ppbv	91
10) Heptane	8.11	43	85763	0.833	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.45	101	3103	0.036	ppbv #	1
13) Ethanol	3.56	45	105689	7.794	ppbv	94
15) Acetone	3.81	43	1171201	10.681	ppbv	99
16) 1,3-Butadiene	3.26	39	8379	0.178	ppbv #	8
17) tert-Butyl alcohol	4.26	59	160872	1.649	ppbv	96
19) Isopropyl Alcohol	3.93	45	462266	6.322	ppbv #	1
20) Methylene Chloride	4.31	84	11558	0.318	ppbv #	80
22) trans-1,2-Dichloroethene	4.85	96	14739	0.397	ppbv	98
23) Vinyl Acetate	5.02	43	63200	0.455	ppbv #	19
24) 1,1-Dichloroethane	4.98	63	9369	0.087	ppbv	97
25) Ethyl Acetate	5.66	43	39489	0.214	ppbv #	80
26) Hexane	5.66	57	23254	0.291	ppbv #	40
29) Chloroform	5.73	83	245409	1.878	ppbv	96
30) Cyclohexane	7.11	84	4629	0.075	ppbv #	1
31) cis-1,2-Dichloroethene	5.52	61	130293	1.672	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	5436	0.046	ppbv #	34
34) 2-Butanone	5.22	43	36358	0.289	ppbv	93
38) Trichloroethene	7.83	130	467430	7.221	ppbv	96
39) 1,2-Dichloropropane	7.16	63	514156	7.676	ppbv #	24
44) 2,2,4-Trimethylpentane	7.86	57	103467	0.348	ppbv #	83
50) 4-Methyl-2-Pentanone	8.75	43	6362	0.035	ppbv #	38
51) 2-Hexanone	10.11	43	287001	2.043	ppbv #	29
52) Tetrachloroethene	11.23	164	1030913	17.351	ppbv	97
53) Toluene	9.81	91	175155	0.989	ppbv	99
58) Ethyl Benzene	12.73	91	116716	0.506	ppbv	94
59) m/p-Xylene	12.98	91	623669	3.070	ppbv #	59
60) o-Xylene	13.71	91	194472	0.970	ppbv	100
61) Styrene	13.54	104	8704	0.069	ppbv #	1
62) Isopropylbenzene	14.69	105	158494	0.530	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	58110	0.368	ppbv #	1
64) n-propylbenzene	15.80	120	7599	0.099	ppbv	82
72) 4-Ethyltoluene	15.85	105	6161	0.028	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.03	105	19407	0.089	ppbv	91

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035012.D

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Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

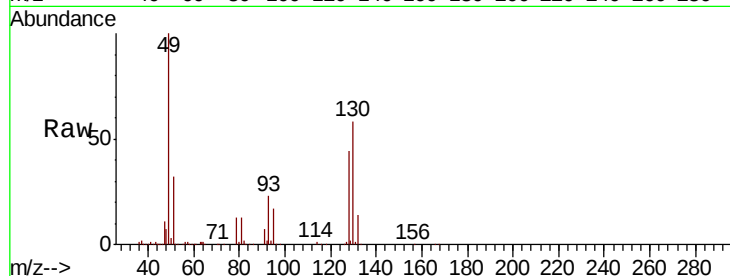
Tot Ion: 49 Resp: 829422

Ion Ratio Lower Upper

49 100

128 45.5 22.1 66.5

130 58.9 29.1 87.3



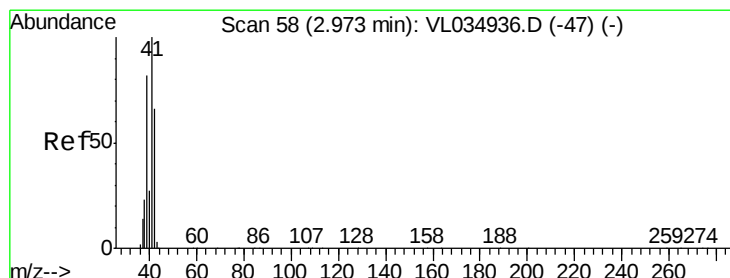
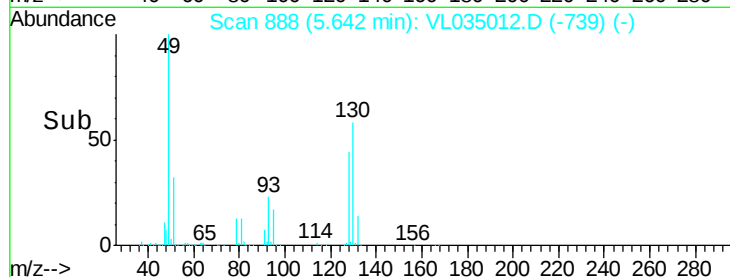
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.64

Time-->



#9

Propene

Concen: 0.303 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035012.D

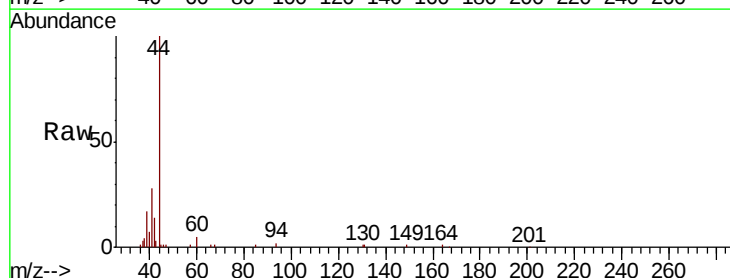
Acq: 13 May 2020 7:11

Tgt Ion: 41 Resp: 12466

Ion Ratio Lower Upper

41 100

42 61.0 54.5 81.7

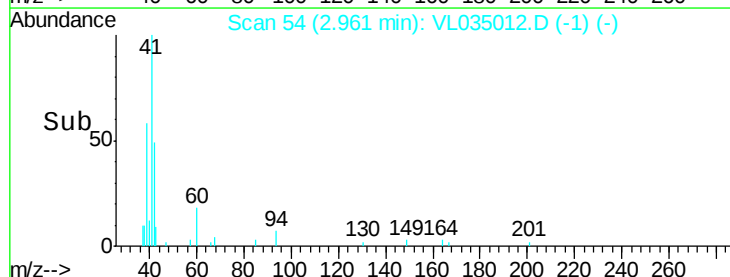


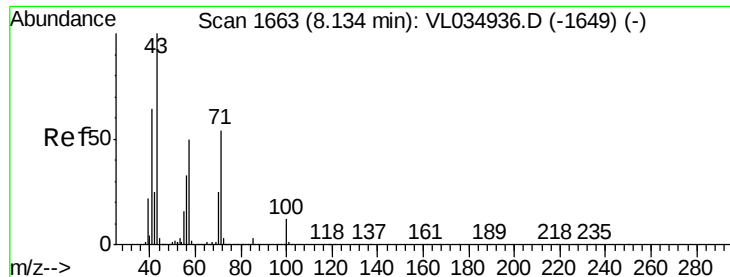
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.96

Time-->





#10

Heptane

Concen: 0.833 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampled :

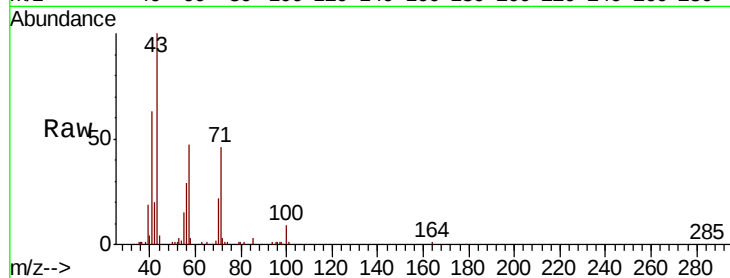
SG-3DL

Tot Ion: 43 Resp: 85763

Ion Ratio Lower Upper

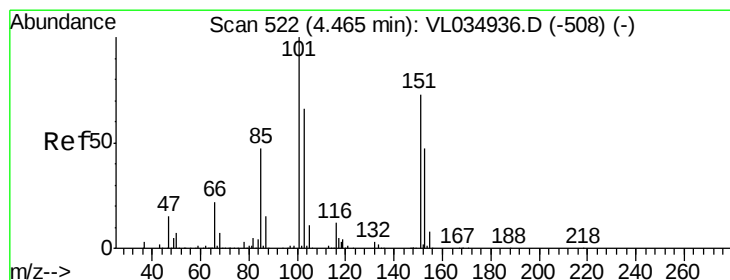
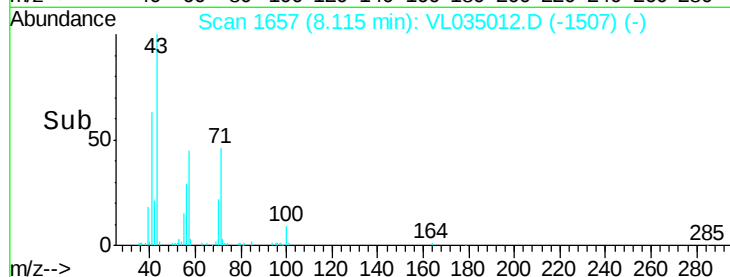
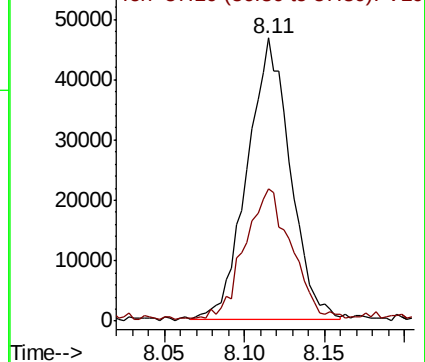
43 100

57 50.4 41.1 61.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.036 ppbv

RT: 4.45 min Scan# 516

Delta R.T. -0.02 min

Lab File: VL035012.D

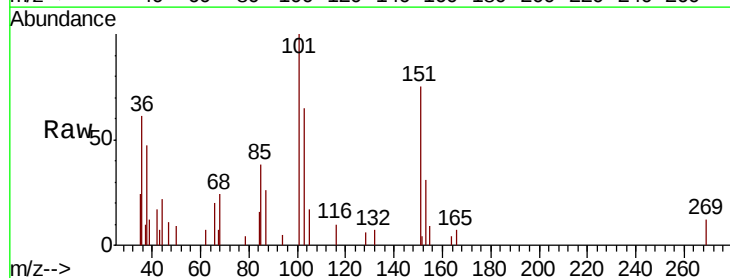
Acq: 13 May 2020 7:11

Tgt Ion: 101 Resp: 3103

Ion Ratio Lower Upper

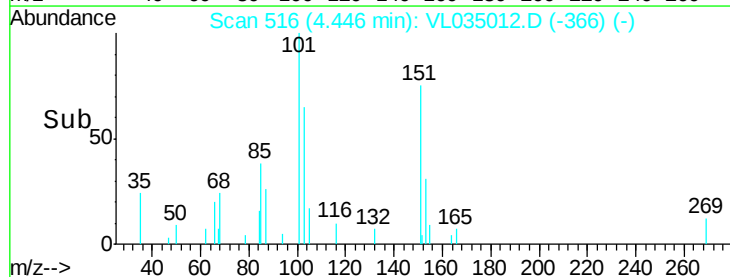
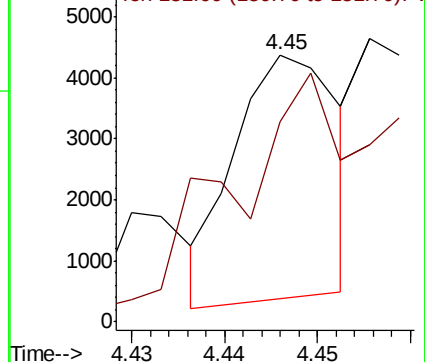
101 100

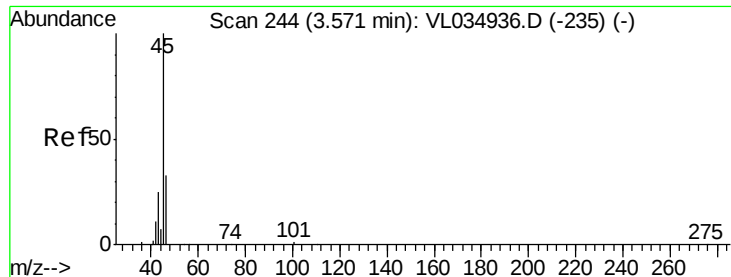
151 180.9 57.6 86.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.794 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

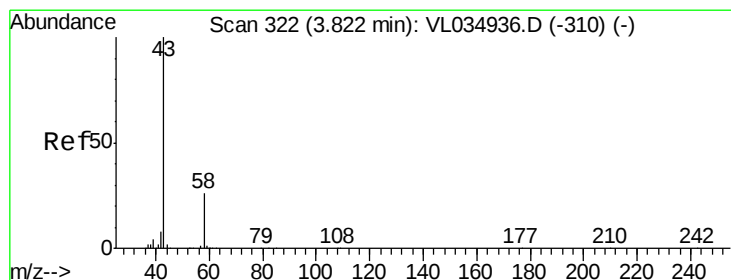
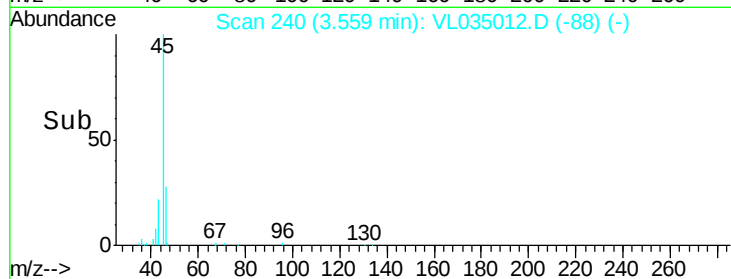
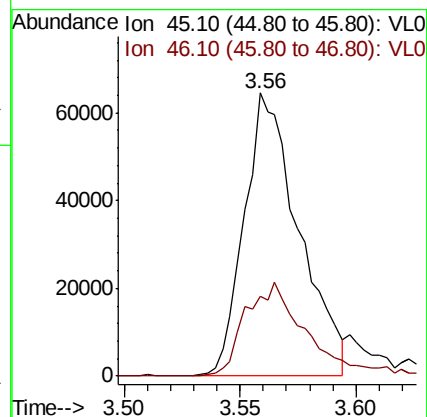
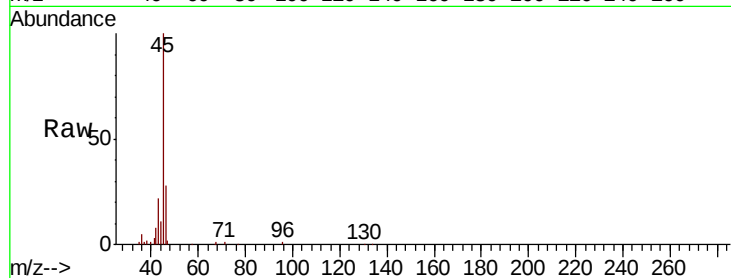
SG-3DL

Tot Ion: 45 Resp: 105689

Ion Ratio Lower Upper

45 100

46 39.1 14.3 57.3



#15

Acetone

Concen: 10.681 ppbv

RT: 3.81 min Scan# 317

Delta R.T. -0.02 min

Lab File: VL035012.D

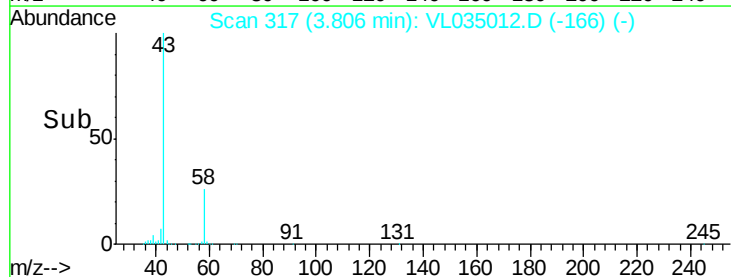
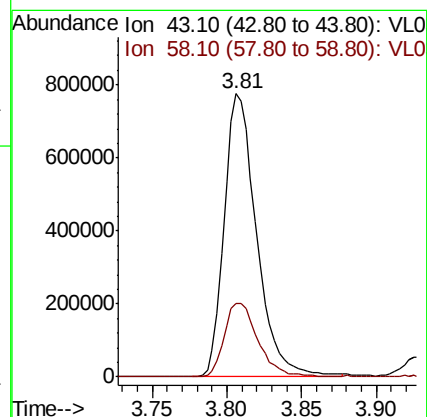
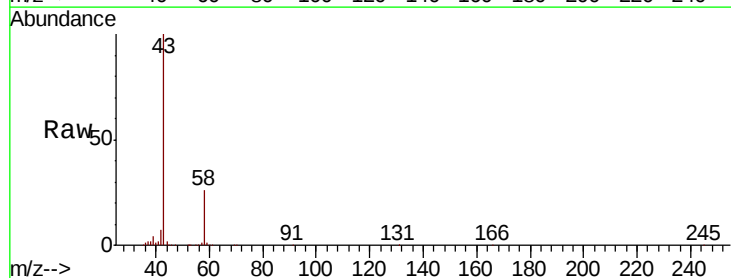
Acq: 13 May 2020 7:11

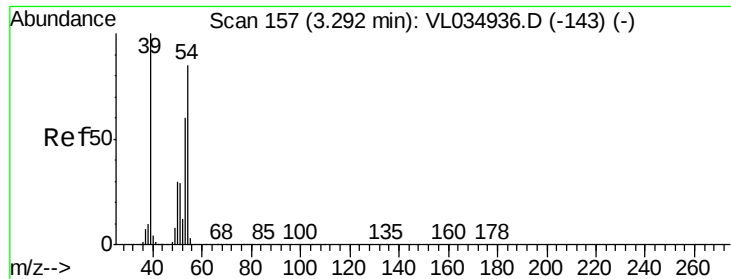
Tgt Ion: 43 Resp: 1171201

Ion Ratio Lower Upper

43 100

58 27.4 21.7 32.5

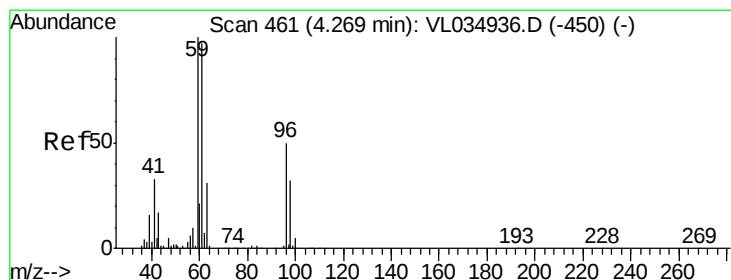
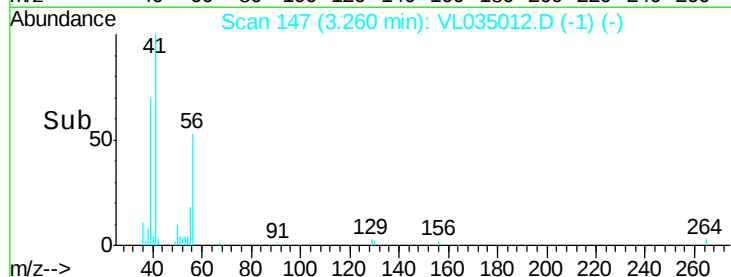
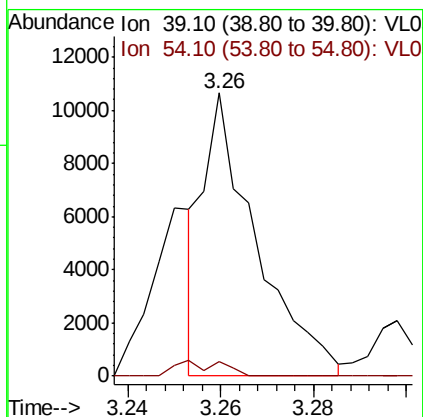
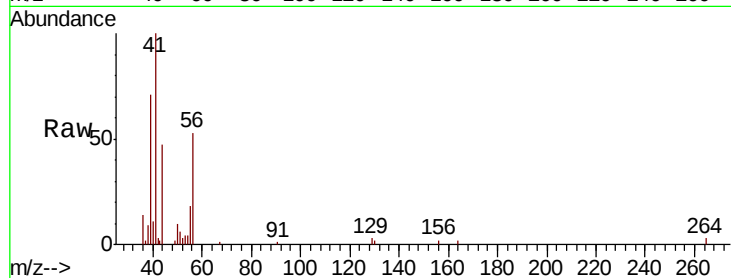




#16
1,3-Butadiene
Concen: 0.178 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

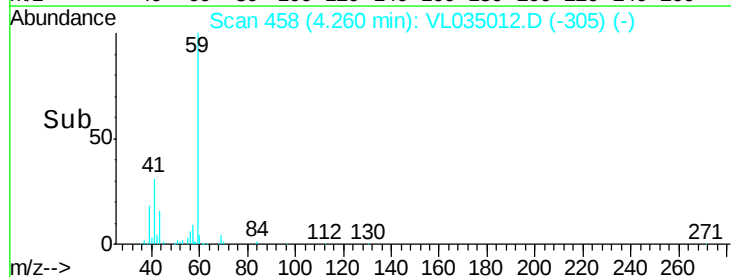
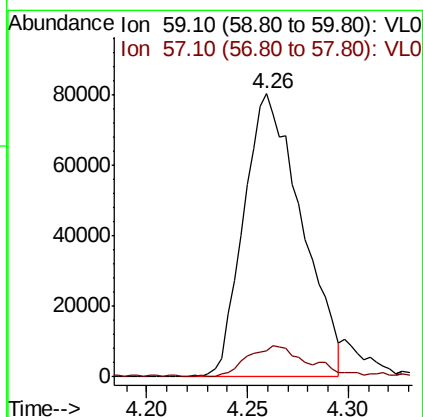
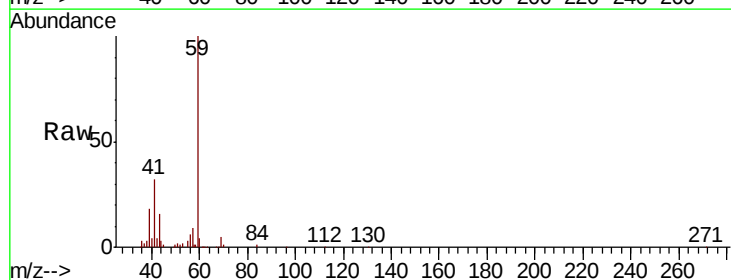
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

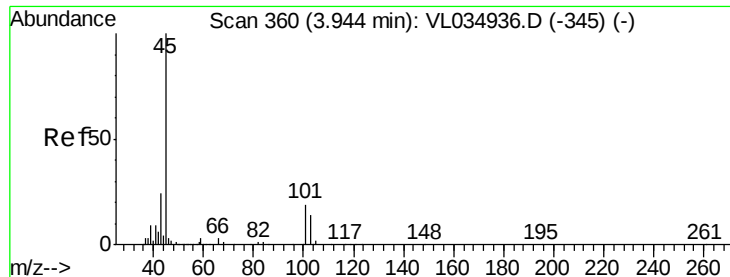
Tot Ion: 39 Resp: 8379
Ion Ratio Lower Upper
39 100
54 0.0 66.6 100.0#



#17
tert-Butyl alcohol
Concen: 1.649 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 59 Resp: 160872
Ion Ratio Lower Upper
59 100
57 12.5 8.7 13.1





#19

Isopropyl Alcohol

Concen: 6.322 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampled :

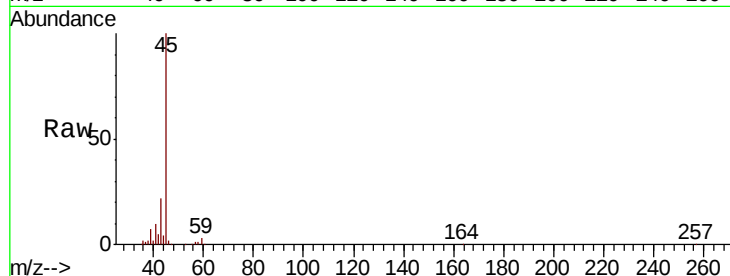
SG-3DL

Tot Ion: 45 Resp: 462266

Ion Ratio Lower Upper

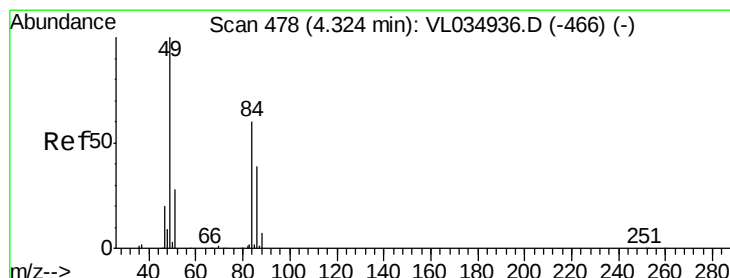
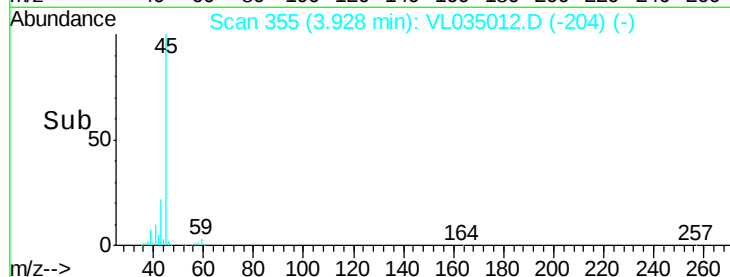
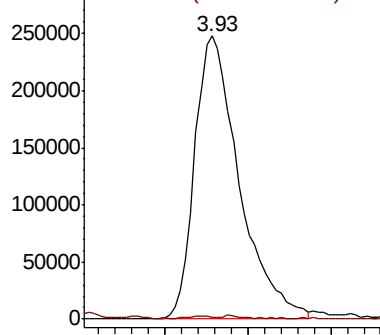
45 100

58 69.3 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.318 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.01 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Tgt Ion: 84 Resp: 11558

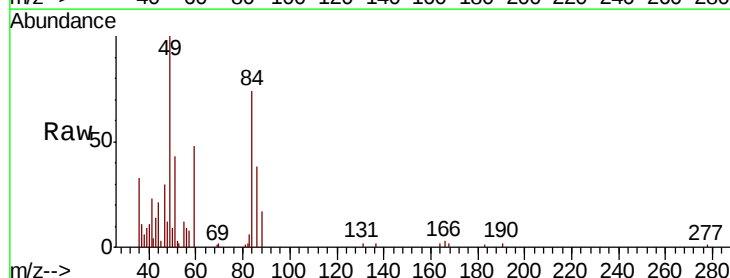
Ion Ratio Lower Upper

84 100

49 130.0 132.5 198.7#

51 50.4 38.4 57.6

86 52.5 51.2 76.8

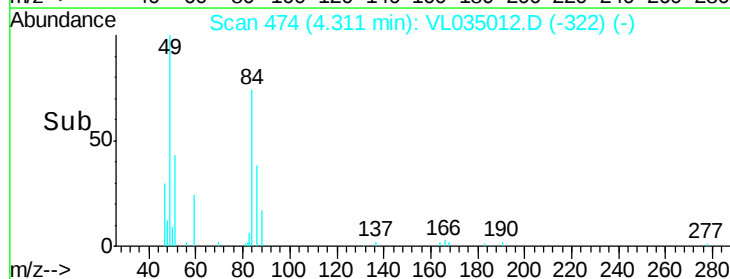
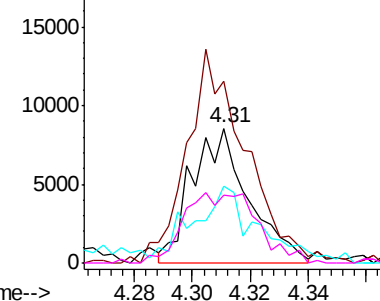


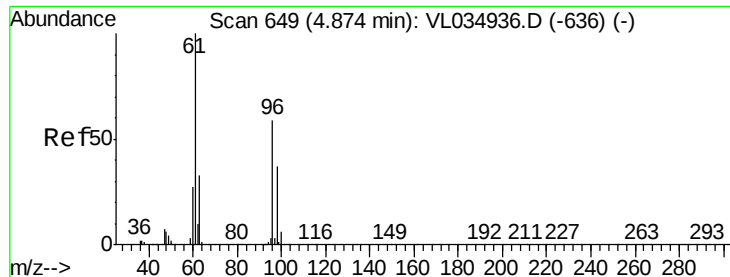
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.397 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampled :

SG-3DL

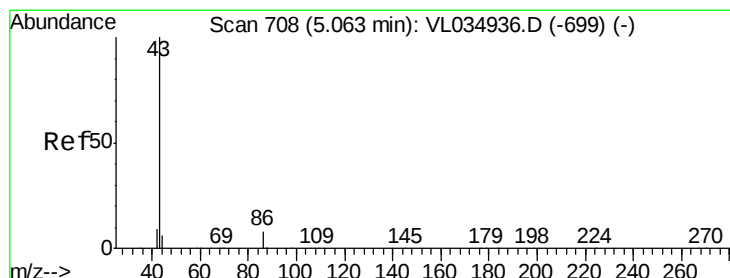
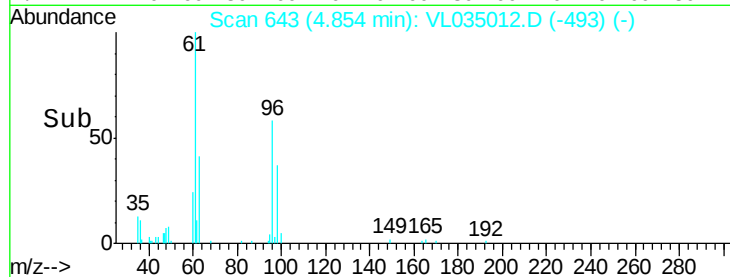
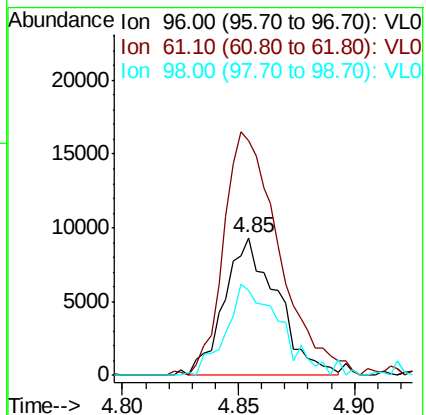
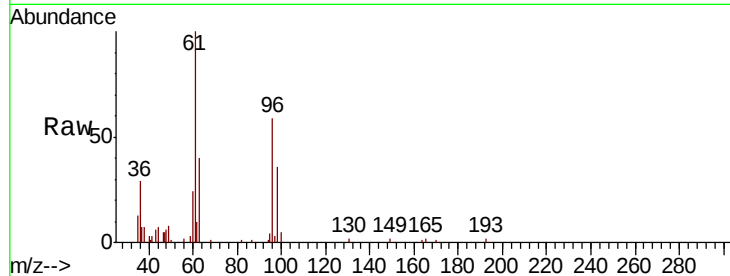
Tot Ion: 96 Resp: 14739

Ion Ratio Lower Upper

96 100

61 170.6 135.3 202.9

98 59.6 50.4 75.6



#23

Vinyl Acetate

Concen: 0.455 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.04 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Tgt Ion: 43 Resp: 63200

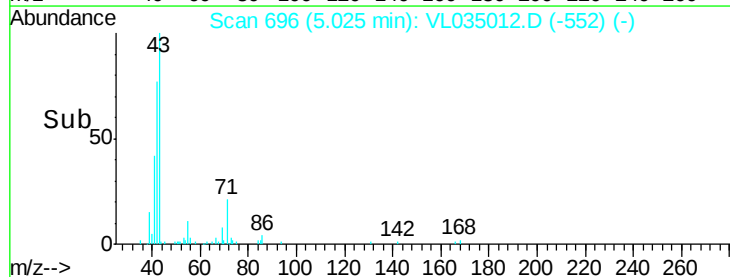
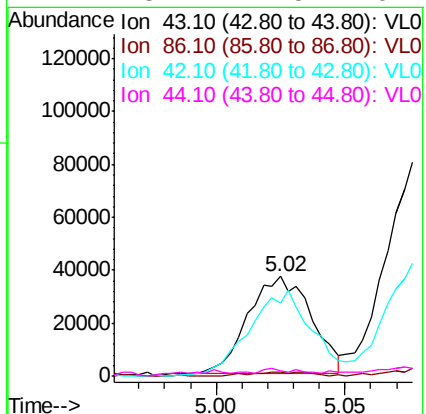
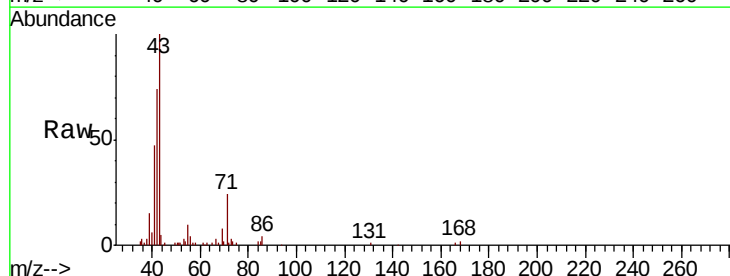
Ion Ratio Lower Upper

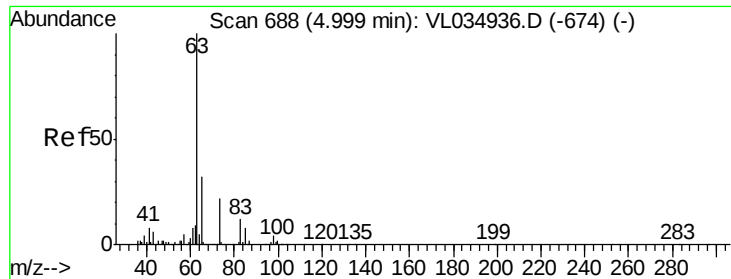
43 100

86 3.6 5.5 8.3#

42 73.7 8.0 12.0#

44 3.1 4.5 6.7#





#24

1,1-Dichloroethane

Concen: 0.087 ppbv

RT: 4.98 min Scan# 681

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

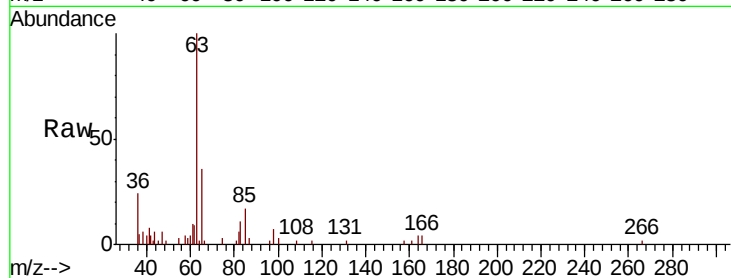
Tot Ion: 63 Resp: 9369

Ion Ratio Lower Upper

63 100

98 2.7 2.0 6.0

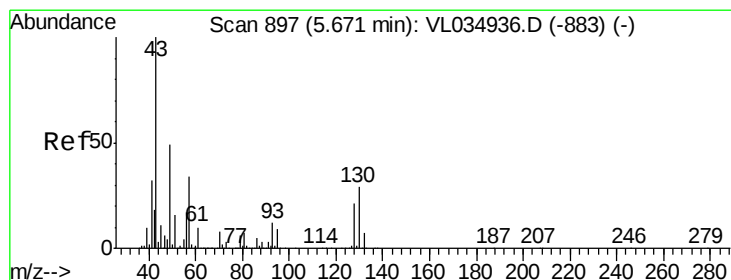
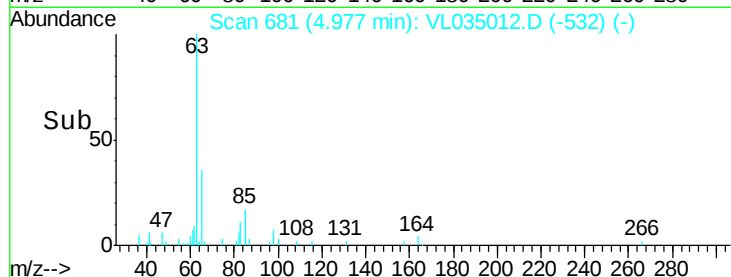
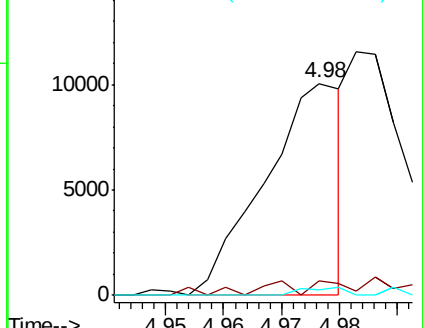
100 2.9 1.1 3.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.214 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Tgt Ion: 43 Resp: 39489

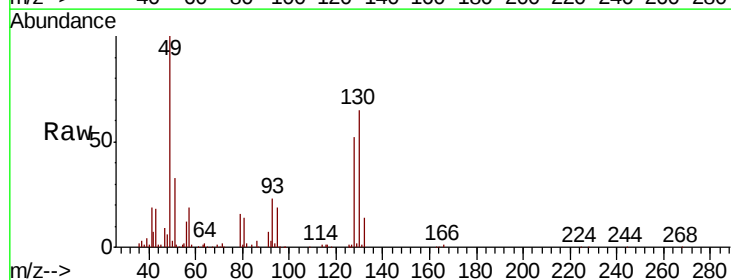
Ion Ratio Lower Upper

43 100

45 5.3 8.1 12.1#

61 0.0 7.8 11.8#

70 0.0 6.0 9.0#

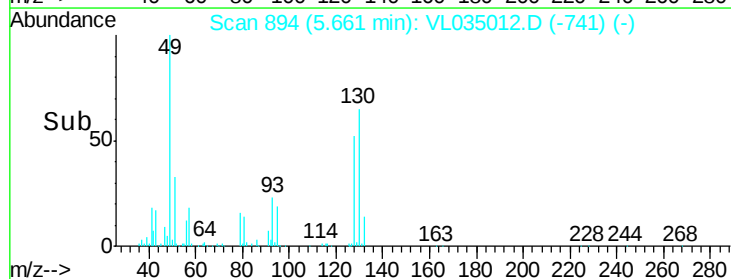
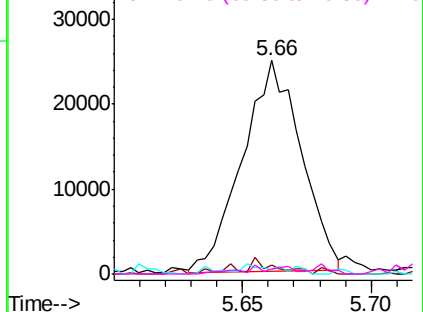


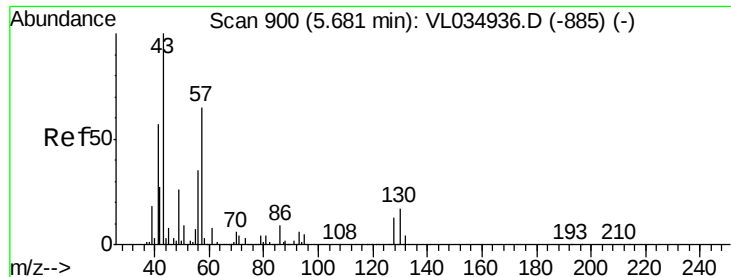
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

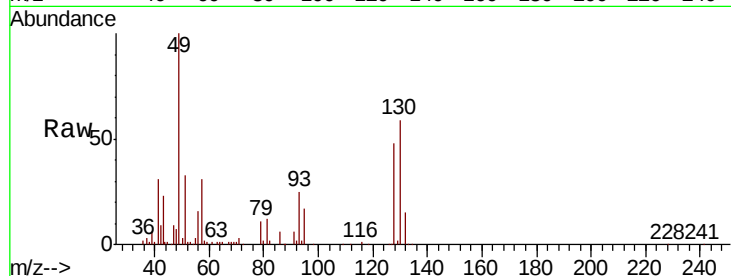




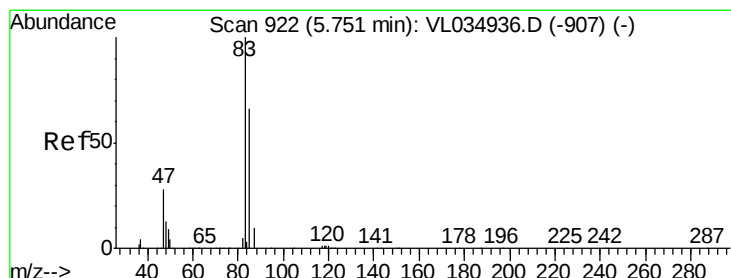
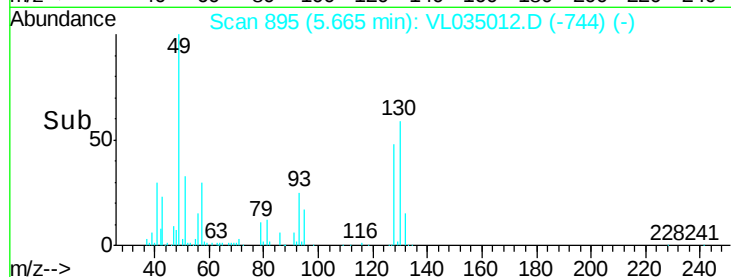
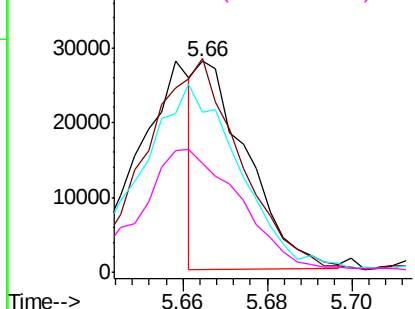
#26
Hexane
Concen: 0.291 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tot Ion: 57 Resp: 23254
Ion Ratio Lower Upper
57 100
41 201.4 72.7 109.1#
43 181.2 182.1 273.1#
56 122.9 42.2 63.2#

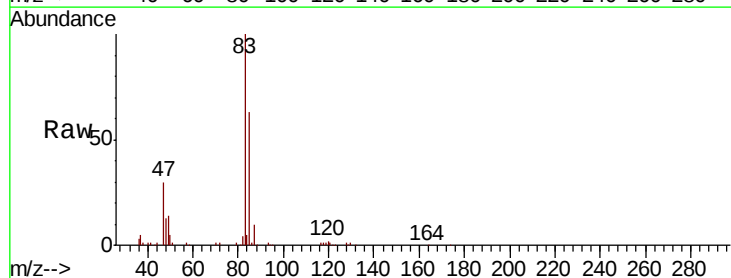


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

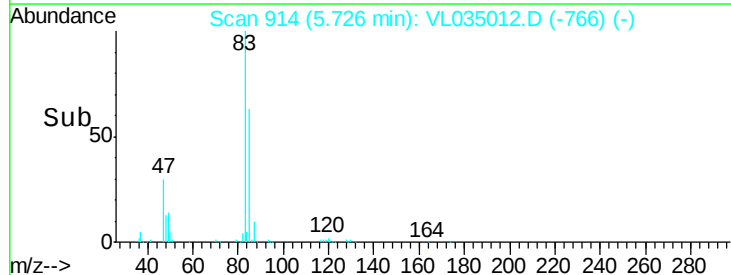
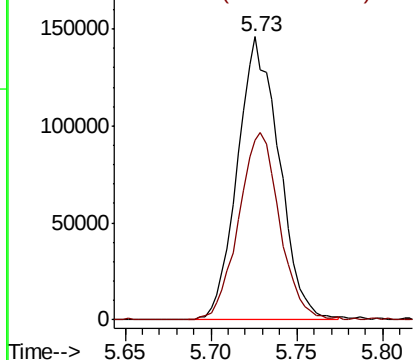


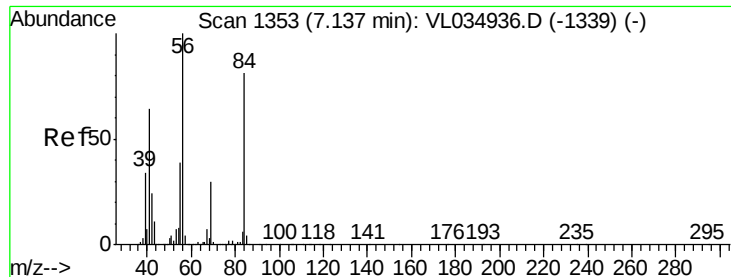
#29
Chloroform
Concen: 1.878 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 83 Resp: 245409
Ion Ratio Lower Upper
83 100
85 63.3 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

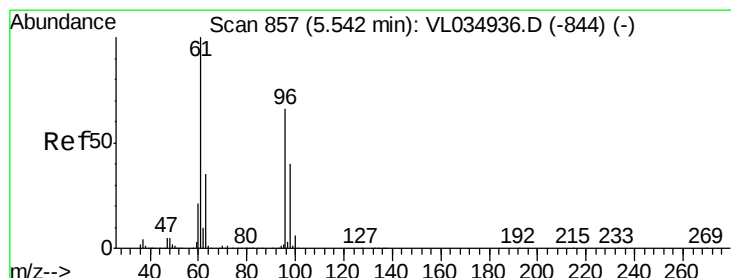
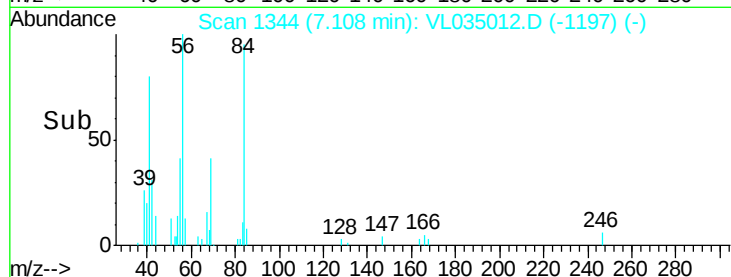
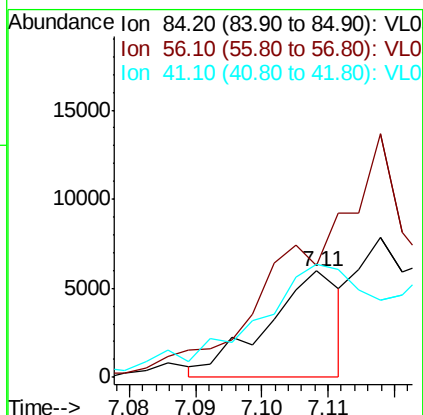
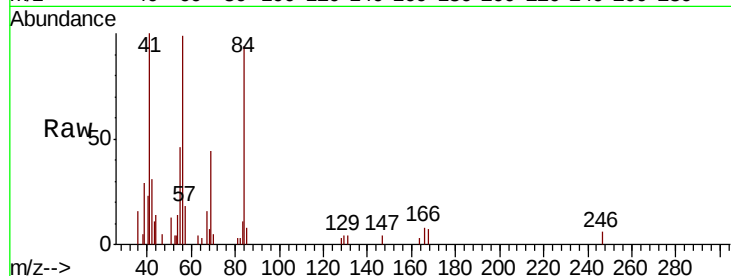




#30
Cvclohexane
Concen: 0.075 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

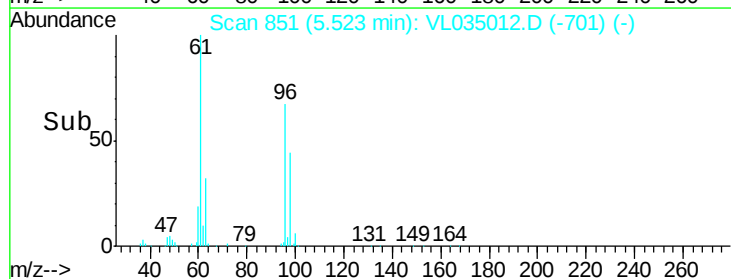
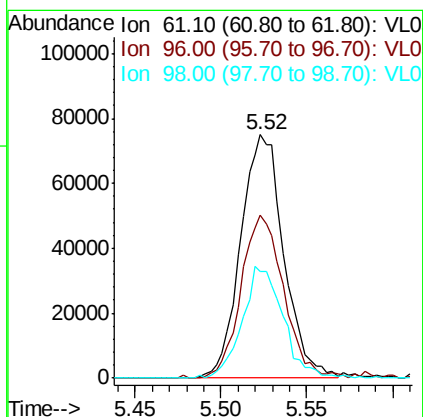
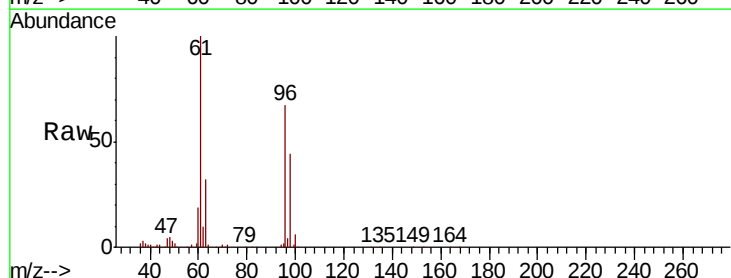
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

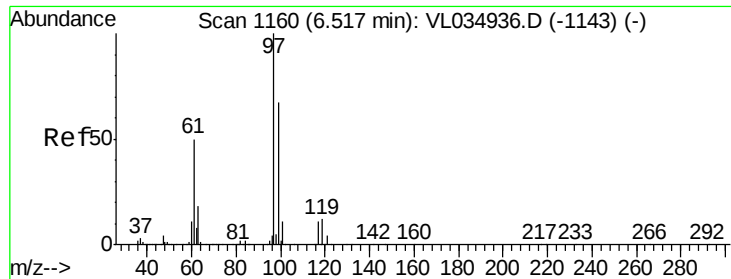
Tot Ion: 84 Resp: 4629
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2#
41 353.5 66.7 100.1#



#31
cis-1,2-Dichloroethene
Concen: 1.672 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 61 Resp: 130293
Ion Ratio Lower Upper
61 100
96 66.9 53.0 79.6
98 43.3 32.2 48.2

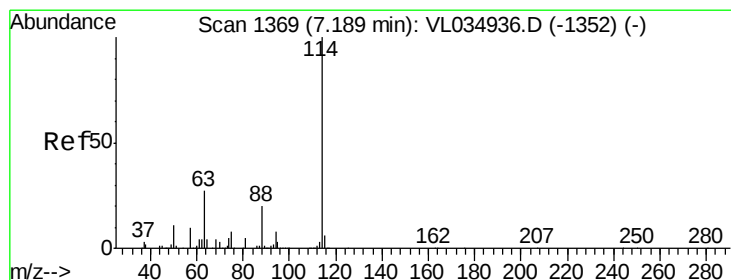
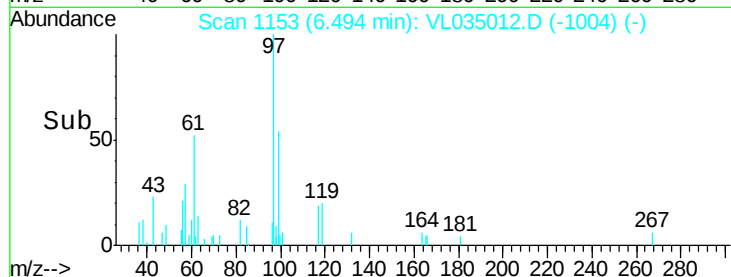
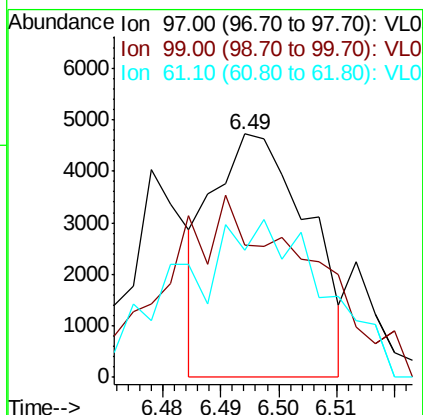
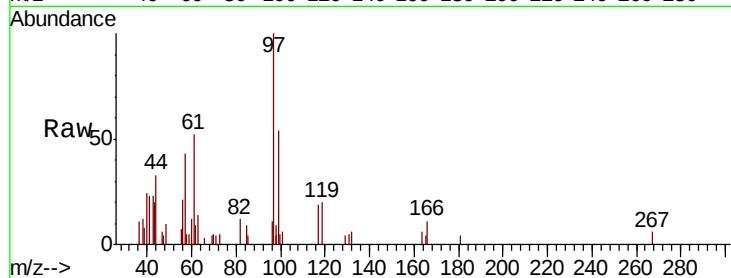




#32
 1,1,1-Trichloroethane
 Concen: 0.046 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: VL035012.D
 Acq: 13 May 2020 7:11

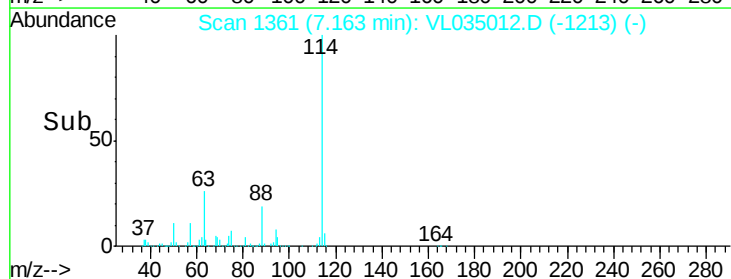
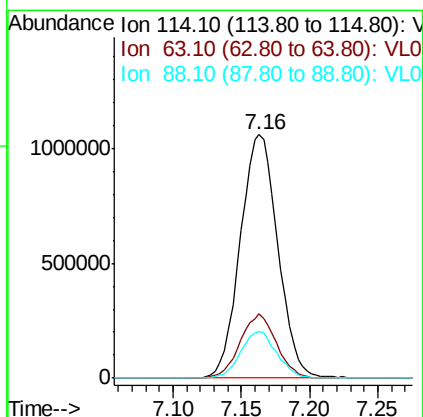
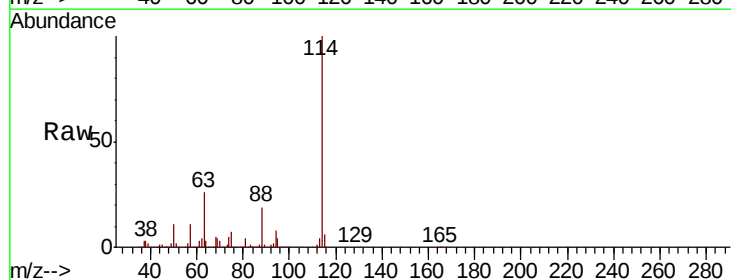
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

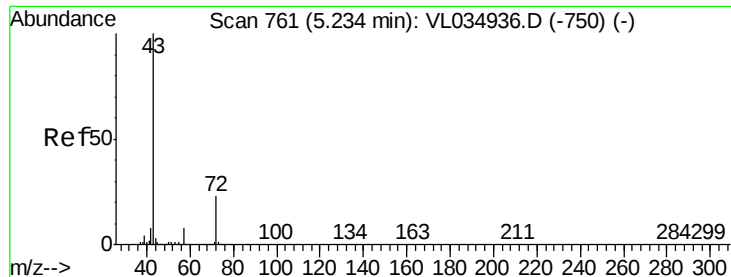
Tot Ion: 97 Resp: 5436
 Ion Ratio Lower Upper
 97 100
 99 112.5 52.1 78.1#
 61 104.2 41.8 62.8#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035012.D
 Acq: 13 May 2020 7:11

Tgt Ion: 114 Resp: 2026686
 Ion Ratio Lower Upper
 114 100
 63 25.5 22.2 33.4
 88 18.4 15.5 23.3

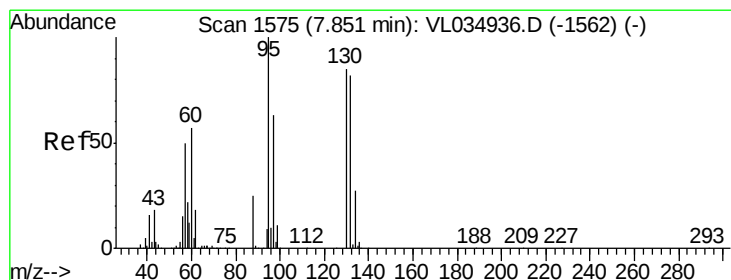
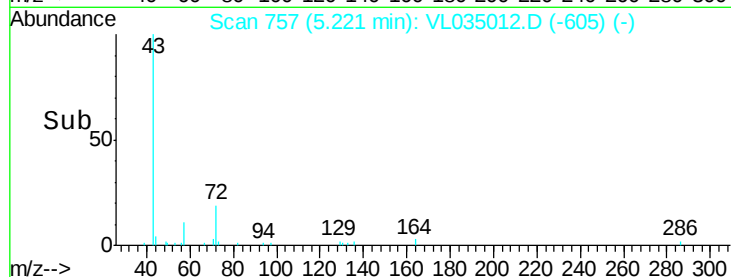
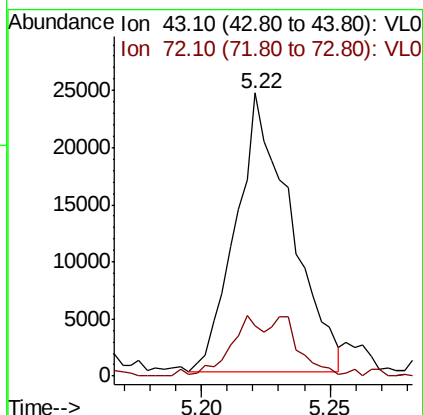
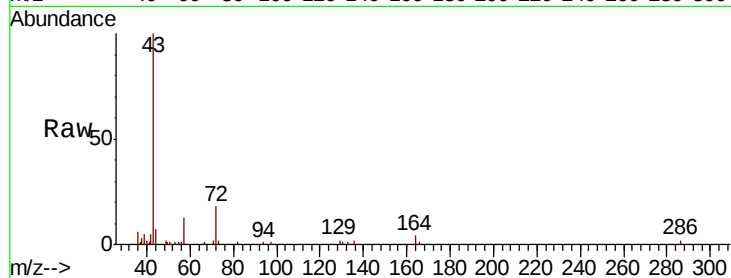




#34
2-Butanone
Concen: 0.289 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.01 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

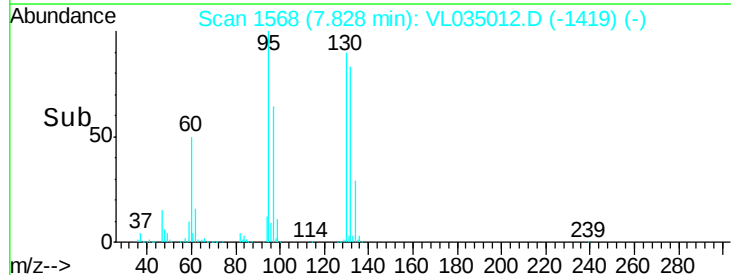
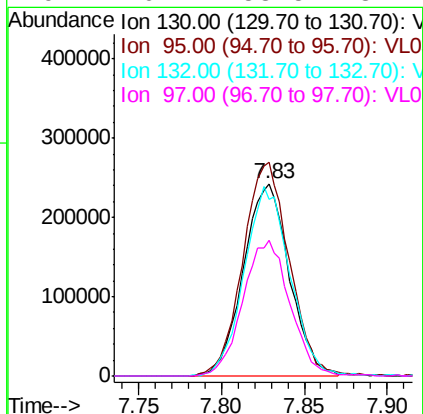
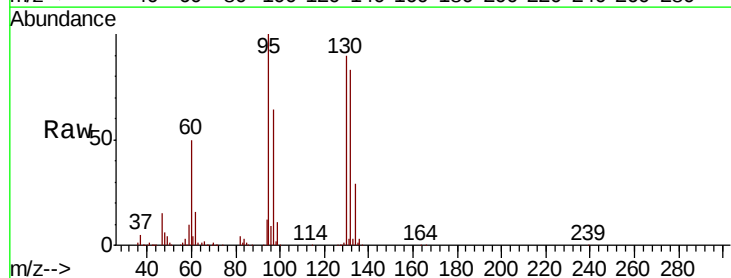
Instrument :
MSVOA_L
ClientSampled :
SG-3DL

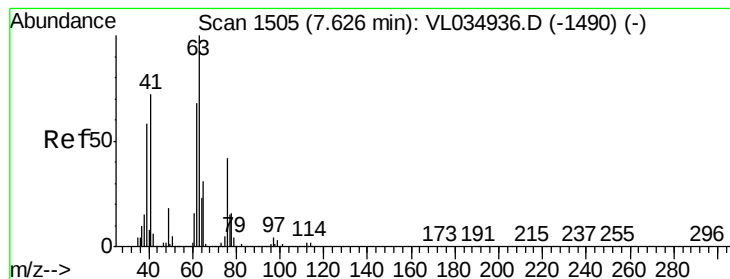
Tot Ion: 43 Resp: 36358
Ion Ratio Lower Upper
43 100
72 25.8 18.0 27.0



#38
Trichloroethene
Concen: 7.221 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.02 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 130 Resp: 467430
Ion Ratio Lower Upper
130 100
95 110.4 93.4 140.0
132 92.0 76.4 114.6
97 70.7 58.5 87.7





#39

1,2-Dichloropropane

Concen: 7.676 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.46 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

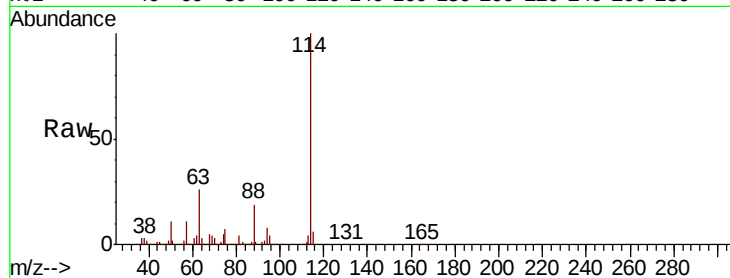
Tot Ion: 63 Resp: 514156

Ion Ratio Lower Upper

63 100

41 0.0 57.8 86.8#

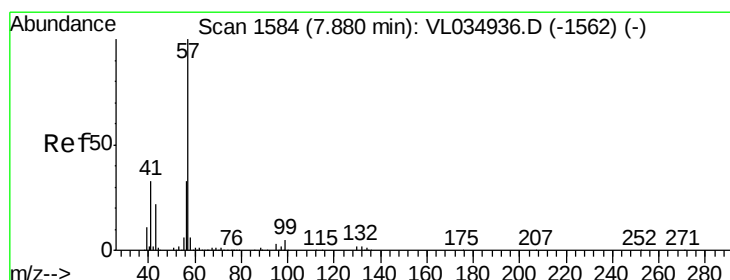
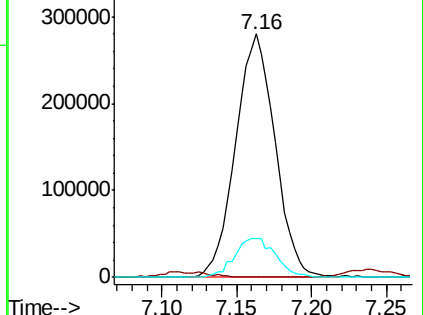
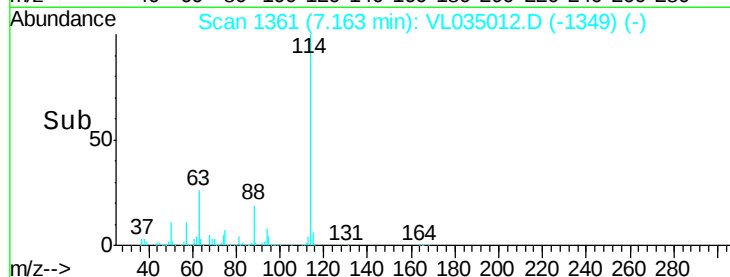
62 16.1 54.2 81.2#



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



#44

2,2,4-Trimethylpentane

Concen: 0.348 ppbv

RT: 7.86 min Scan# 1578

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

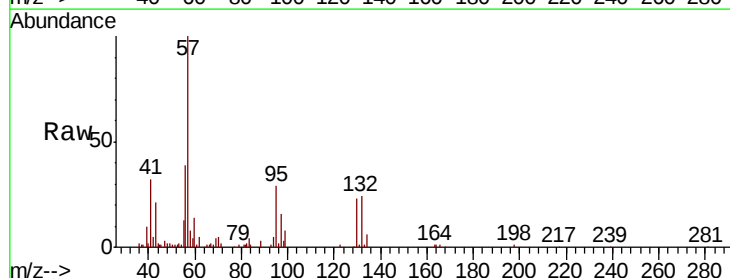
Tgt Ion: 57 Resp: 103467

Ion Ratio Lower Upper

57 100

41 41.8 26.4 39.6#

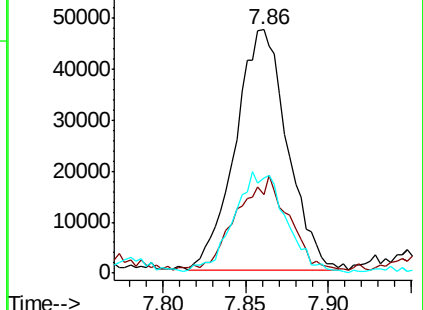
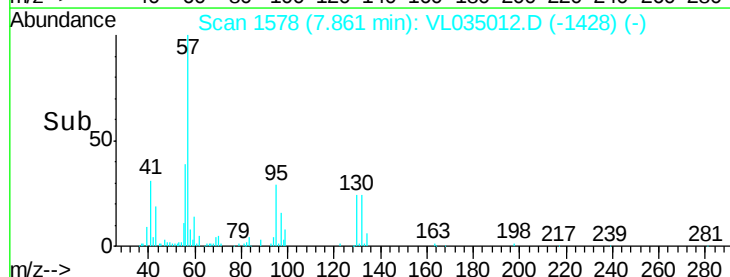
56 42.4 25.5 38.3#

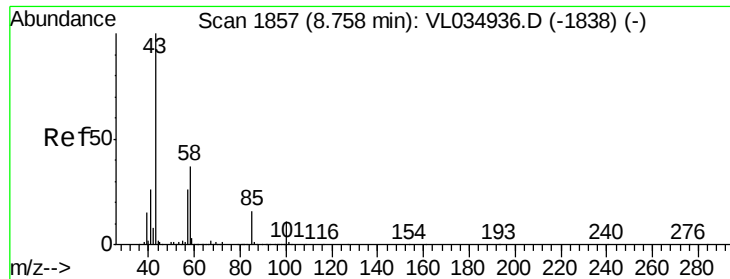


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

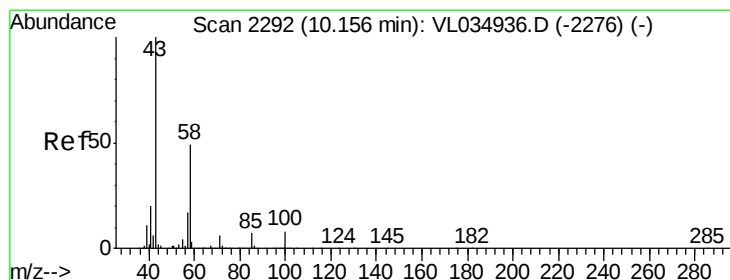
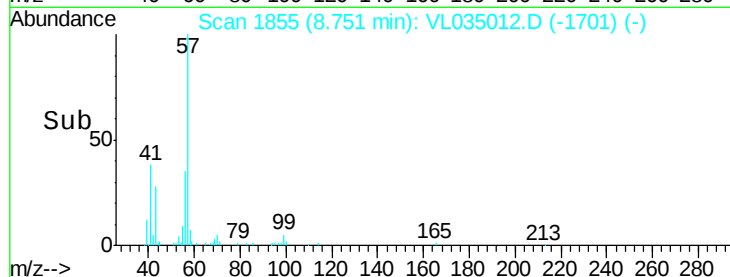
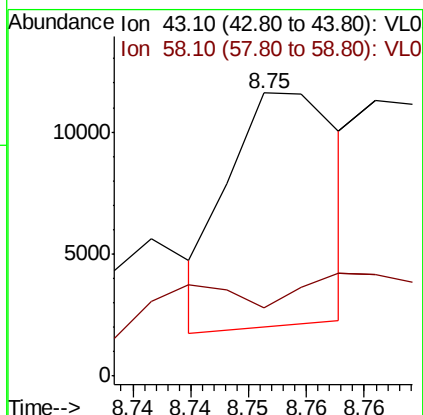
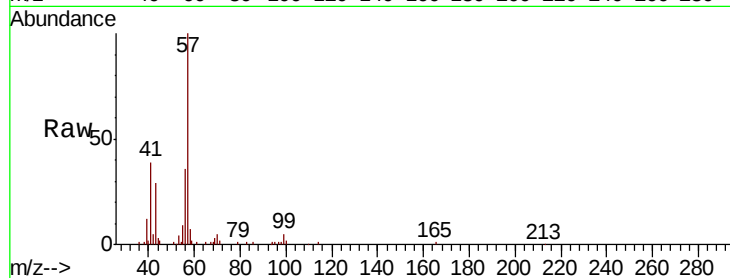




#50
4-Methyl-2-Pentanone
Concen: 0.035 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

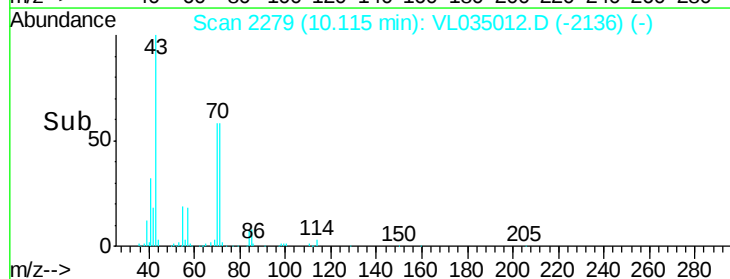
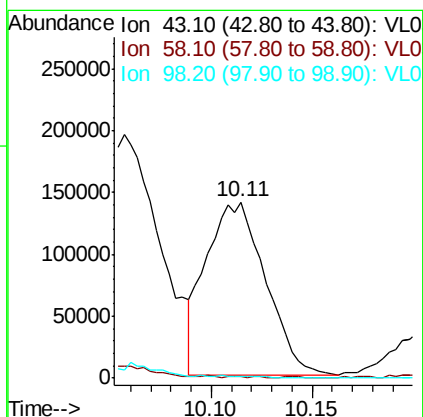
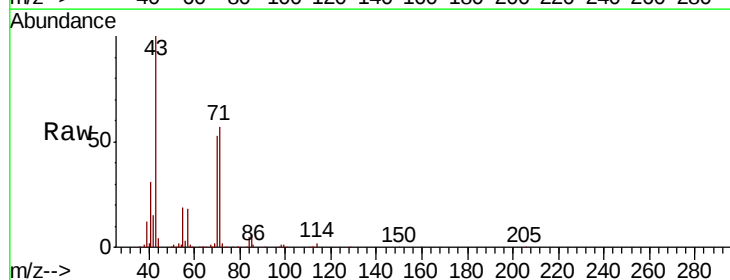
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

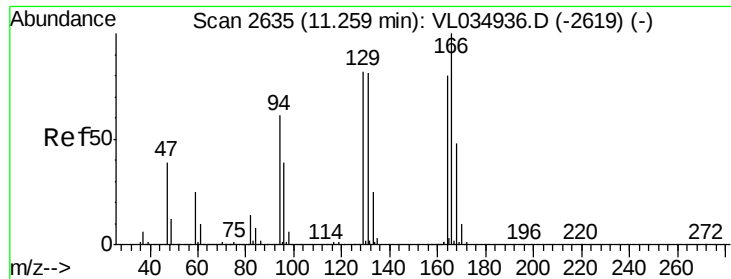
Tot Ion: 43 Resp: 6362
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#



#51
2-Hexanone
Concen: 2.043 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.04 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 43 Resp: 287001
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.3 0.5#

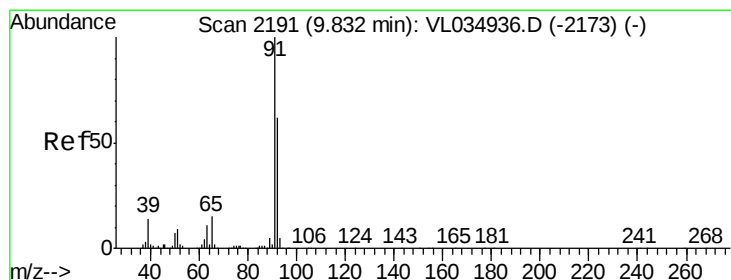
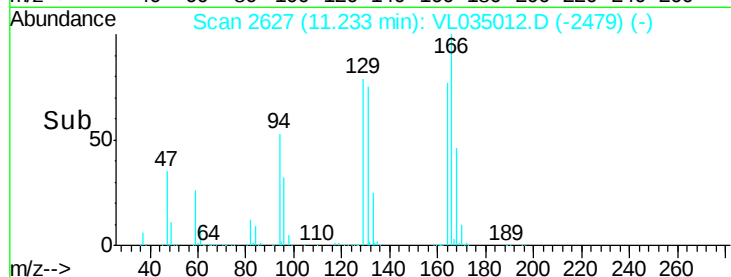
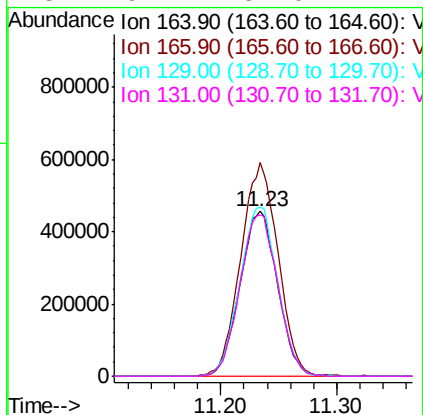
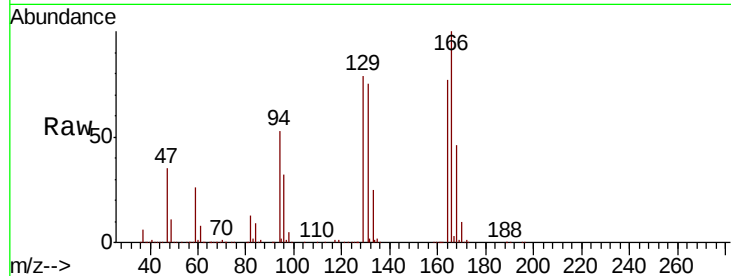




#52
Tetrachloroethene
Concen: 17.351 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

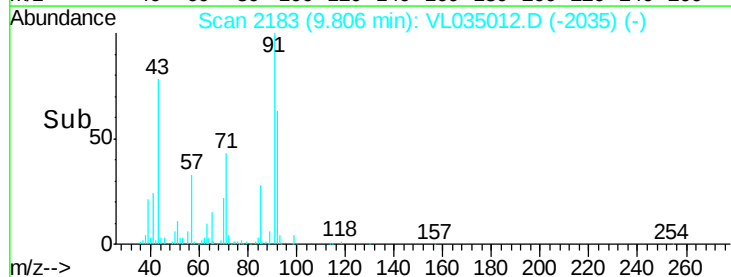
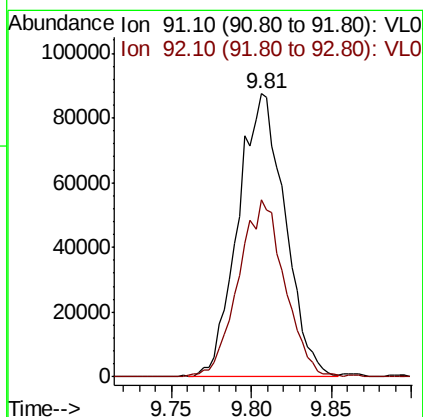
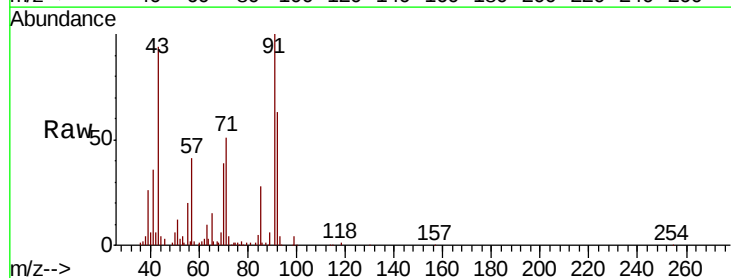
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

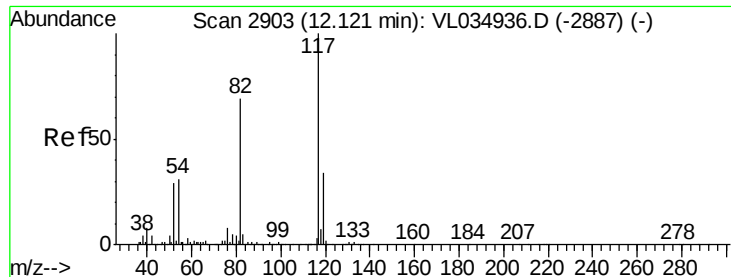
Tot Ion:164 Resp: 1030913
Ion Ratio Lower Upper
164 100
166 129.8 100.7 151.1
129 102.4 83.0 124.4
131 97.7 81.0 121.4



#53
Toluene
Concen: 0.989 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 91 Resp: 175155
Ion Ratio Lower Upper
91 100
92 61.8 48.6 73.0

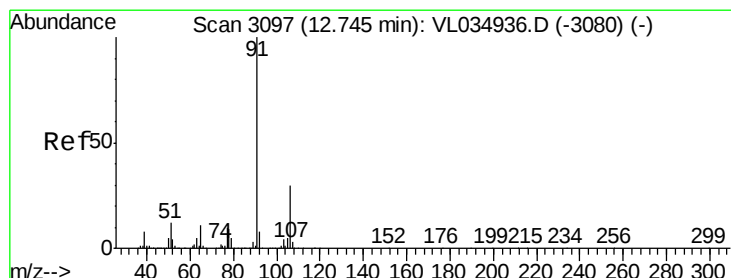
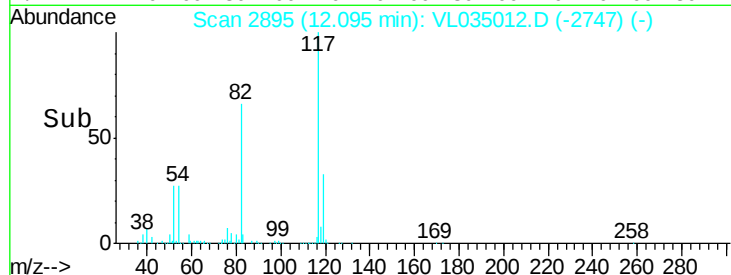
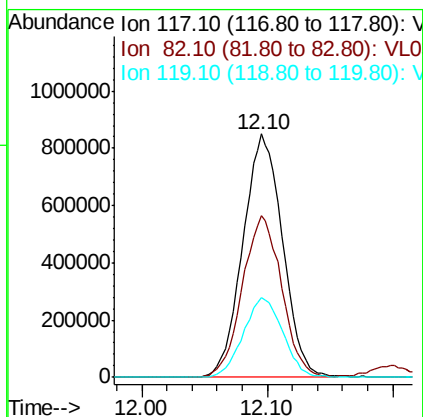
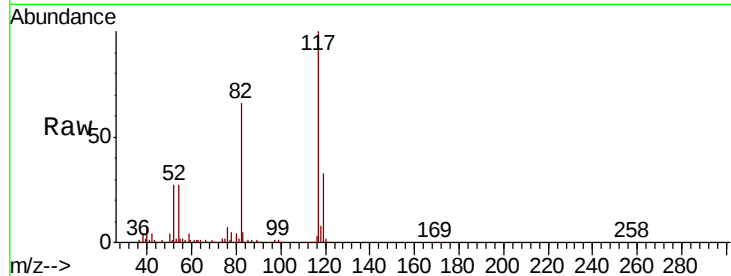




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

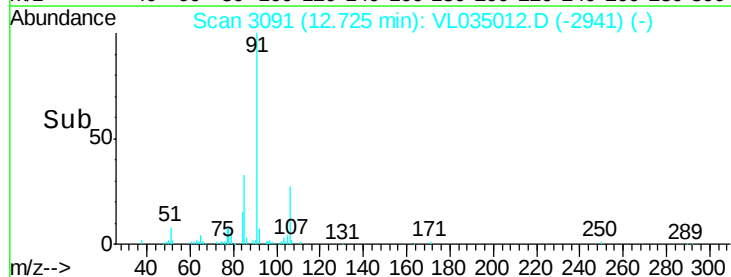
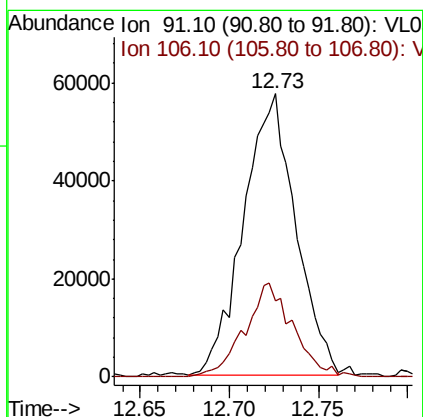
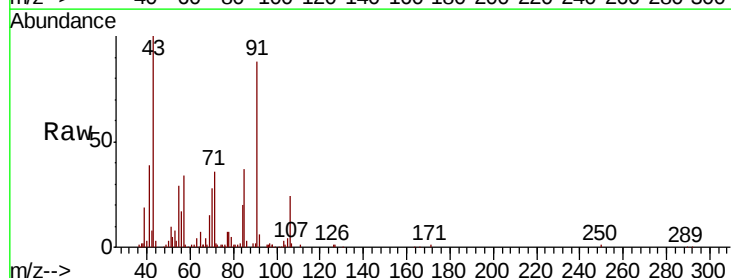
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

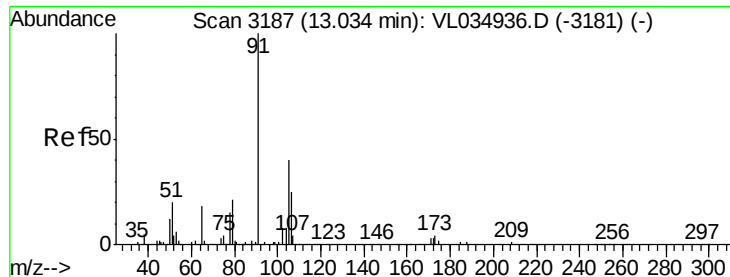
Tot Ion:117 Resp: 1867103
Ion Ratio Lower Upper
117 100
82 65.8 53.1 79.7
119 32.9 26.7 40.1



#58
Ethyl Benzene
Concen: 0.506 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.02 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion: 91 Resp: 116716
Ion Ratio Lower Upper
91 100
106 27.2 24.2 36.4





#59

m/p-Xylene

Concen: 3.070 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. -0.06 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

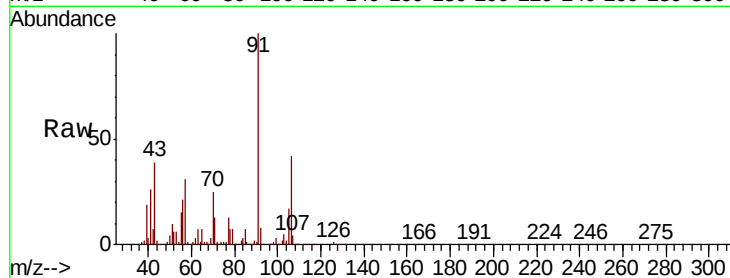
SG-3DL

Tot Ion: 91 Resp: 623669

Ion Ratio Lower Upper

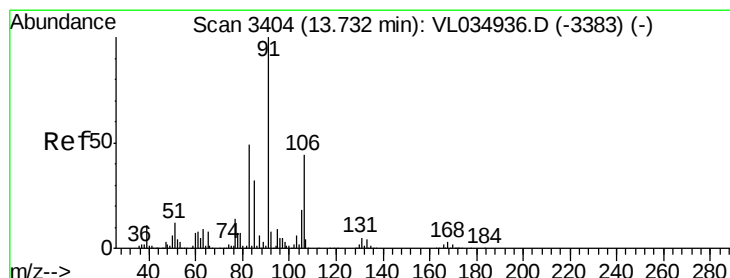
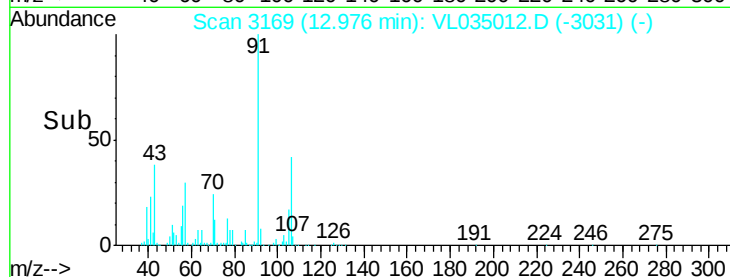
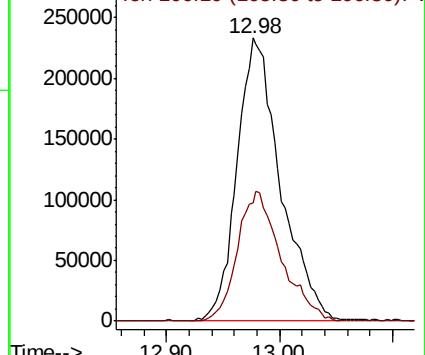
91 100

106 46.0 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.970 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. -0.02 min

Lab File: VL035012.D

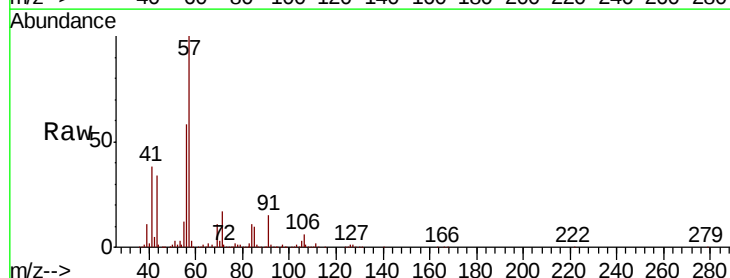
Acq: 13 May 2020 7:11

Tgt Ion: 91 Resp: 194472

Ion Ratio Lower Upper

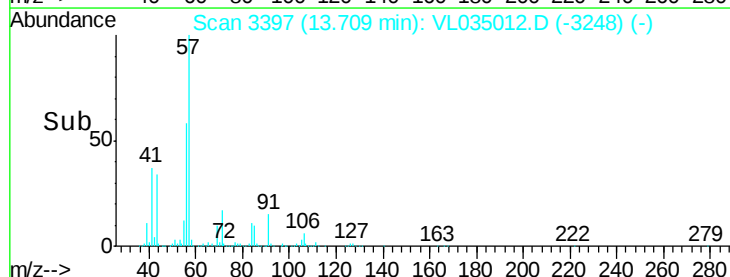
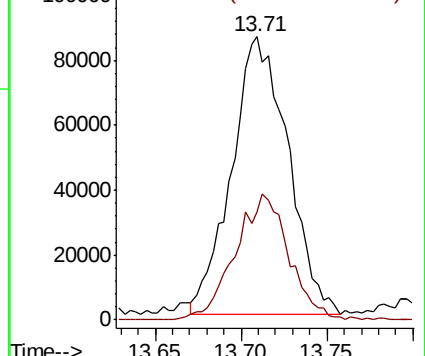
91 100

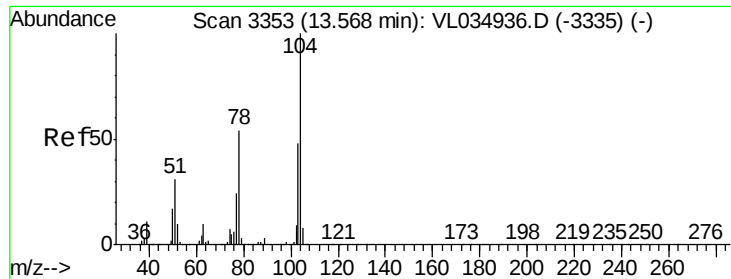
106 43.4 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

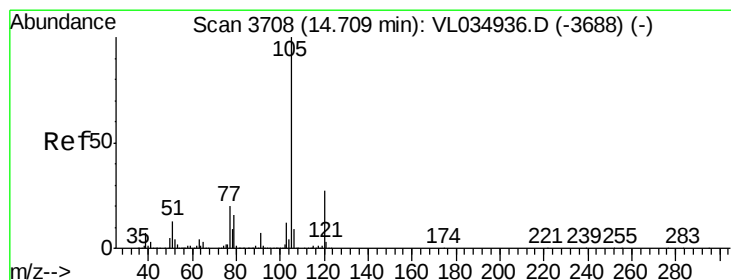
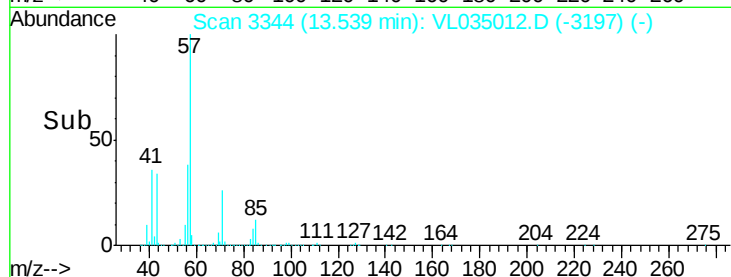
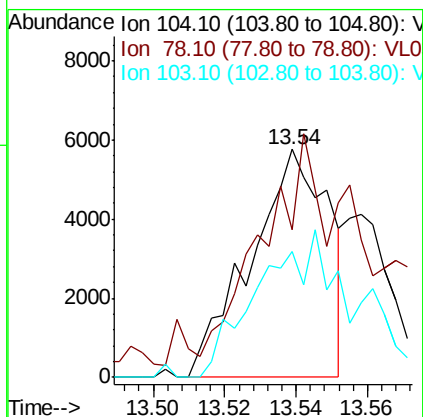
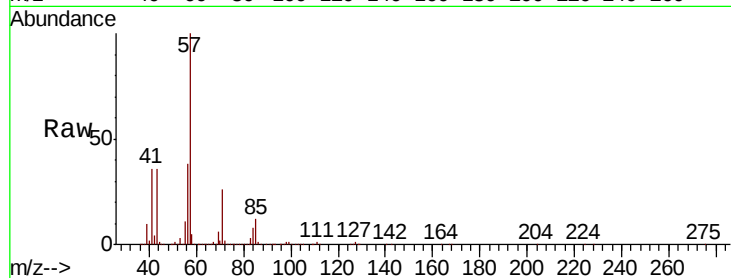




#61
Stvrene
Concen: 0.069 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.03 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

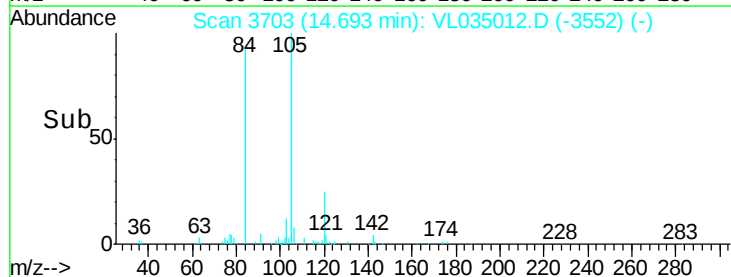
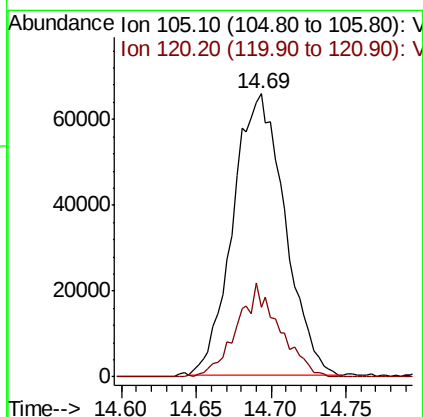
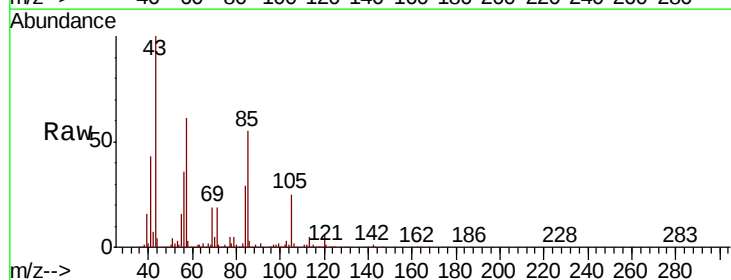
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

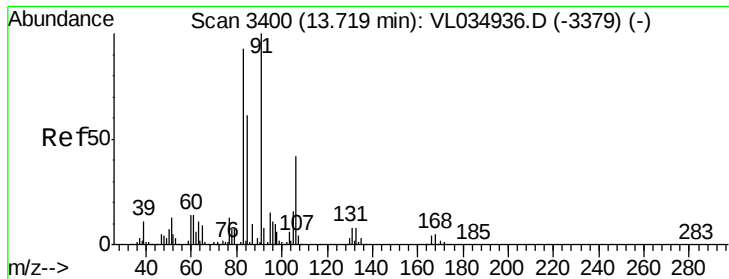
Tot Ion:104 Resp: 8704
Ion Ratio Lower Upper
104 100
78 174.6 43.7 65.5#
103 83.4 38.8 58.2#



#62
Isopropylbenzene
Concen: 0.530 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.02 min
Lab File: VL035012.D
Acq: 13 May 2020 7:11

Tgt Ion:105 Resp: 158494
Ion Ratio Lower Upper
105 100
120 27.3 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.368 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. -0.04 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

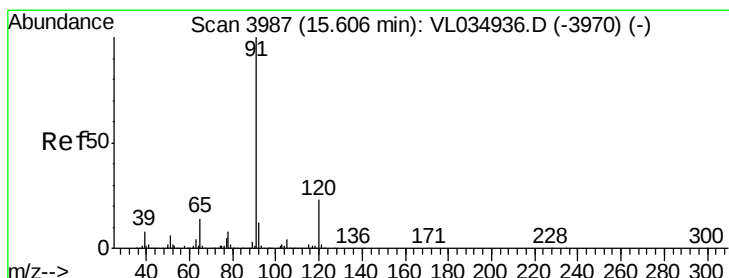
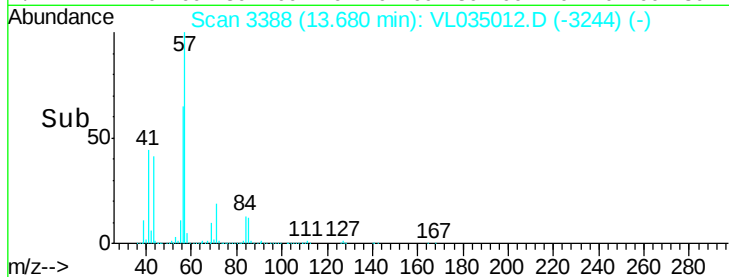
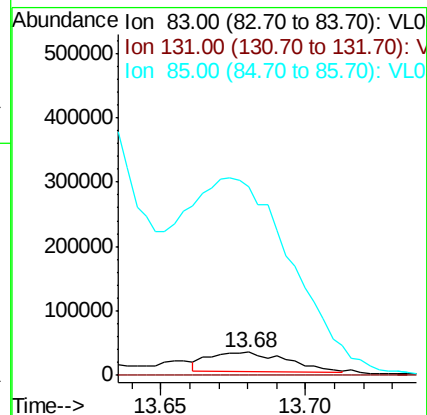
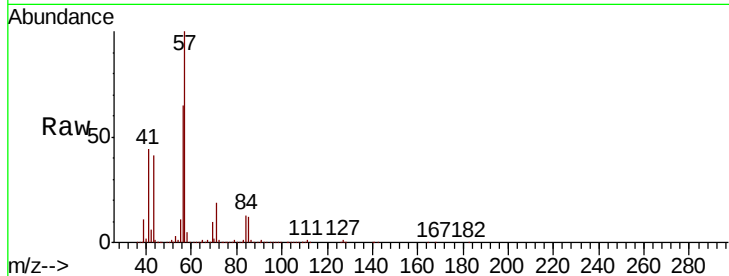
Tot Ion: 83 Resp: 58110

Ion Ratio Lower Upper

83 100

131 0.3 4.7 14.0#

85 1303.2 32.5 97.4#



#64

n-propylbenzene

Concen: 0.099 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. 0.19 min

Lab File: VL035012.D

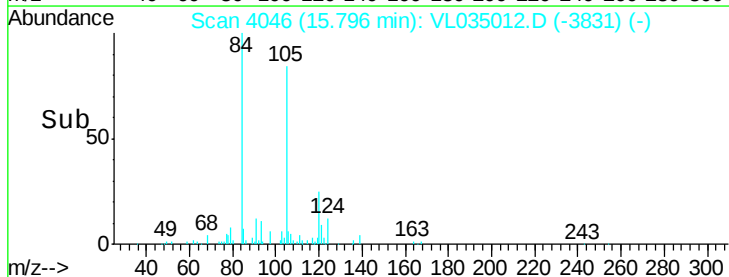
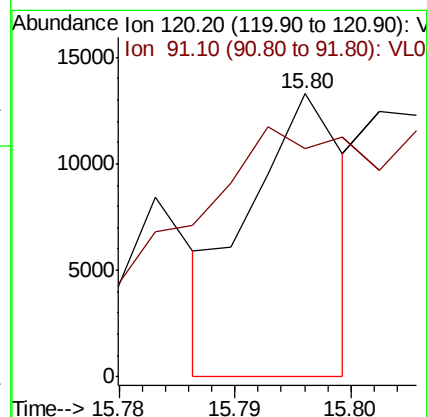
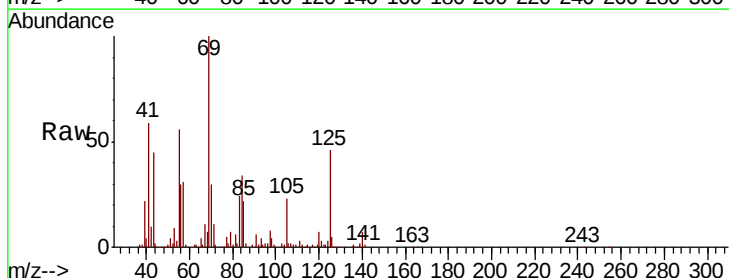
Acq: 13 May 2020 7:11

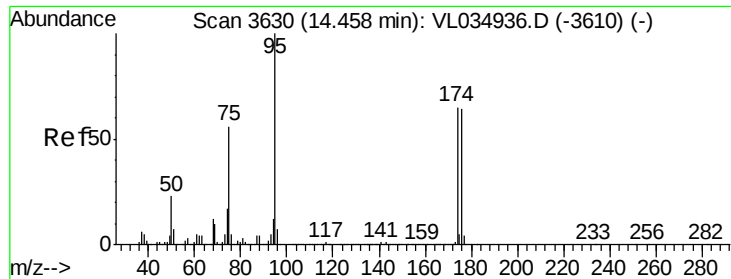
Tgt Ion: 120 Resp: 7599

Ion Ratio Lower Upper

120 100

91 513.2 373.5 560.3

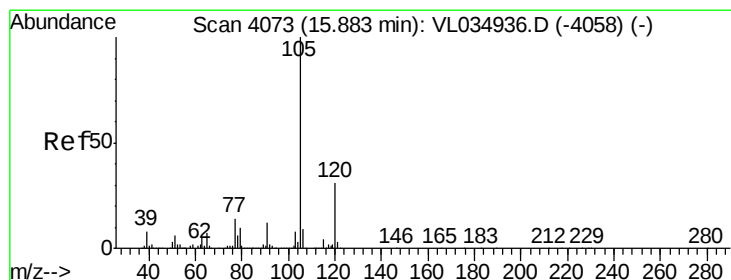
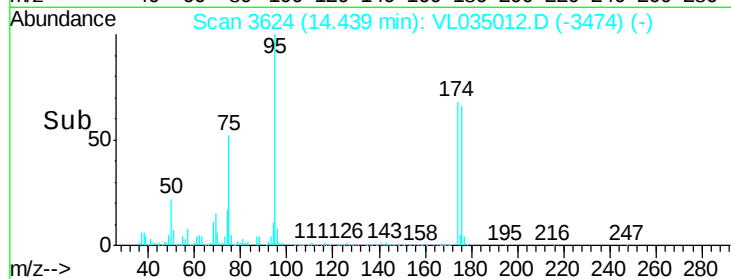
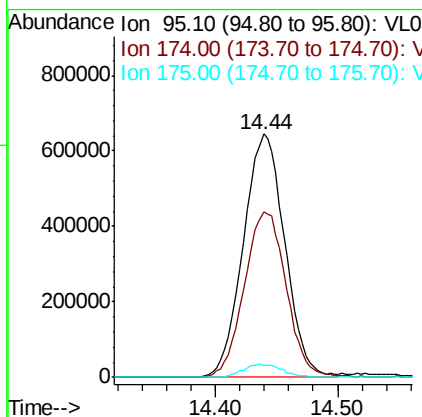
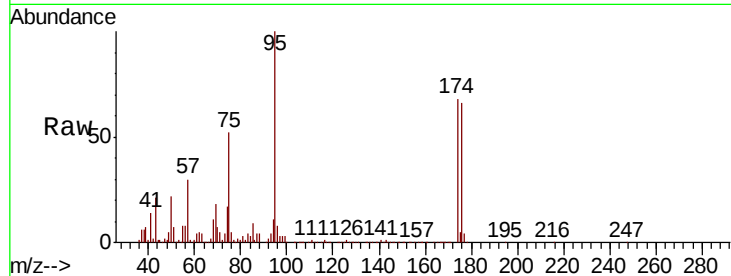




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.001 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.02 min
 Lab File: VL035012.D
 Acq: 13 May 2020 7:11

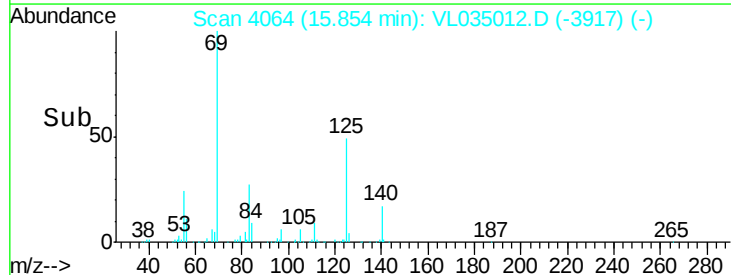
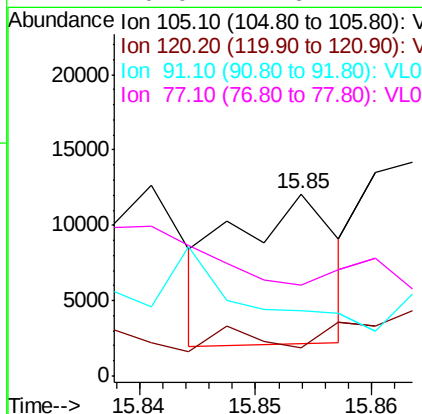
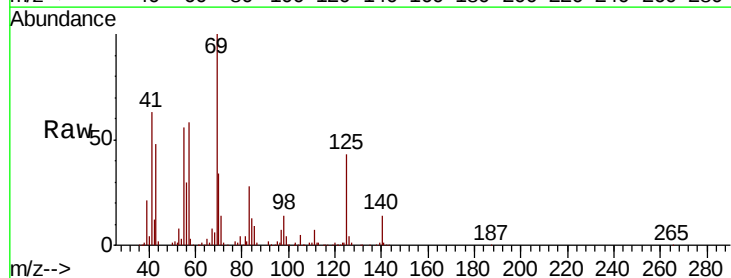
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

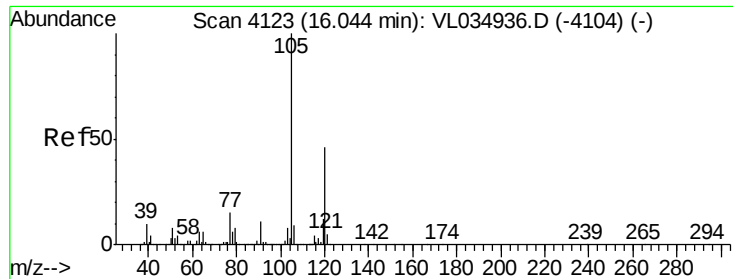
Tot Ion: 95 Resp: 1511533
 Ion Ratio Lower Upper
 95 100
 174 69.2 51.5 77.3
 175 5.2 3.8 5.8



#72
 4-Ethyltoluene
 Concen: 0.028 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.03 min
 Lab File: VL035012.D
 Acq: 13 May 2020 7:11

Tgt Ion: 105 Resp: 6161
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 35.8#
 91 0.0 10.6 15.8#
 77 0.0 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.089 ppbv

RT: 16.03 min Scan# 4118

Delta R.T. -0.02 min

Lab File: VL035012.D

Acq: 13 May 2020 7:11

Instrument :

MSVOA_L

ClientSampleId :

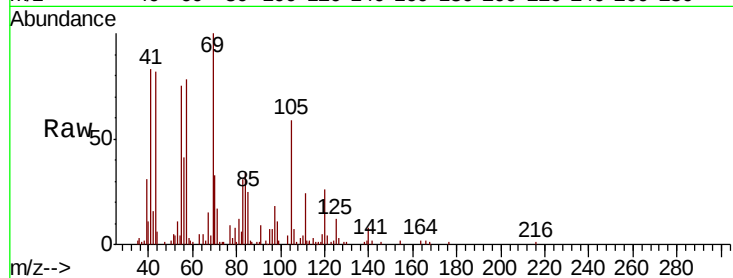
SG-3DL

Tot Ion:105 Resp: 19407

Ion Ratio Lower Upper

105 100

120 51.5 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

