

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035008.D
 Acq On : 13 May 2020 4:39
 Operator : SY/AP
 Sample : L2566-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Quant Time: May 13 06:58:13 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

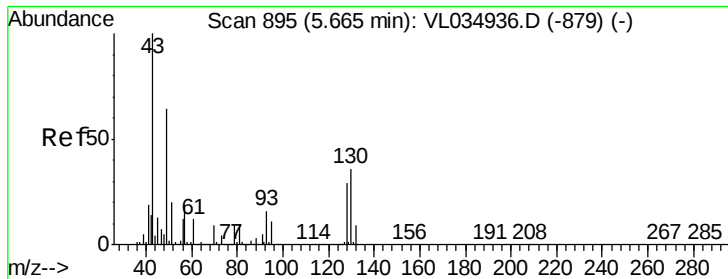
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	919499	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2182883	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	1949037	10.00	ppbv	0.08

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1485686	9.42	ppbv	0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	2630	0.020	ppbv #	64
3) Chlorodifluoromethane	2.94	51	4111	0.039	ppbv	98
4) Chloromethane	3.10	50	3625	0.060	ppbv	89
5) Vinyl Chloride	3.21	62	24358	0.415	ppbv	91
7) Chloroethane	3.51	64	1144	0.054	ppbv #	31
9) Propene	2.96	41	269519	5.916	ppbv	86
13) Ethanol	3.58	45	18171	1.209	ppbv	88
15) Acetone	3.83	43	202161	1.663	ppbv #	81
16) 1,3-Butadiene	3.26	39	91524	1.750	ppbv #	13
17) tert-Butyl alcohol	4.26	59	19569	0.181	ppbv #	71
18) 1,1-Dichloroethene	4.25	96	251125	6.041	ppbv	100
19) Isopropyl Alcohol	3.94	45	3735	0.046	ppbv #	94
20) Methylene Chloride	4.31	84	22081	0.549	ppbv	96
21) Allyl Chloride	4.34	41	2912	0.042	ppbv #	46
22) trans-1,2-Dichloroethene	4.85	96	391226	9.501	ppbv	97
23) Vinyl Acetate	5.03	43	16857	0.109	ppbv #	1
24) 1,1-Dichloroethane	4.99	63	5507	0.046	ppbv #	93
26) Hexane	5.66	57	42127	0.476	ppbv #	43
27) Carbon Disulfide	4.52	76	2434	0.023	ppbv #	63
28) Methyl tert-Butyl Ether	5.02	73	4756	0.035	ppbv #	53
29) Chloroform	5.73	83	4410710	30.452	ppbv	97
30) Cyclohexane	7.13	84	6152	0.090	ppbv #	22
31) cis-1,2-Dichloroethene	5.53	61	8514825	98.582	ppbv #	81
32) 1,1,1-Trichloroethane	6.50	97	50461	0.386	ppbv #	92
36) Benzene	6.90	78	184895	1.027	ppbv #	95
38) Trichloroethene	7.93	130	40271655	577.607	ppbv #	86
39) 1,2-Dichloropropane	7.86	63	6558	0.091	ppbv #	1
40) 1,4-Dioxane	7.85	88	620	0.021	ppbv #	1
42) Bromodichloromethane	7.88	83	646250	4.316	ppbv #	93
47) 1,1,2-Trichloroethane	9.51	97	115838	1.522	ppbv	98
52) Tetrachloroethene	11.41	164	14564931	227.599	ppbv	90
53) Toluene	9.85	91	115115	0.603	ppbv #	31
56) 1,1,1,2-Tetrachloroethane	12.24	131	228461	2.599	ppbv #	67
58) Ethyl Benzene	13.09	91	7970	0.033	ppbv	95
62) Isopropylbenzene	14.74	105	101546	0.325	ppbv	99

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

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ALS Vial : 1 Sample Multiplier: 1



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

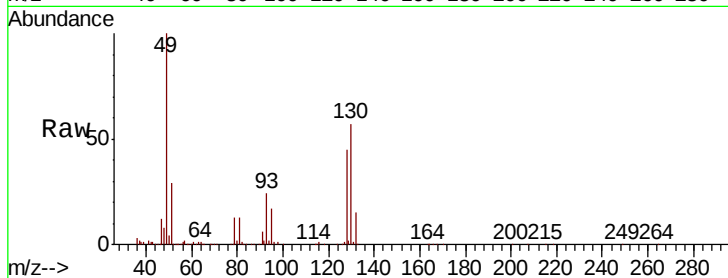
Tot Ion: 49 Resp: 919499

Ion Ratio Lower Upper

49 100

128 45.3 22.1 66.5

130 57.4 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

5.65

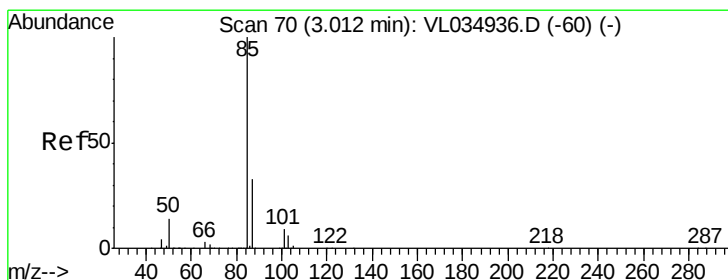
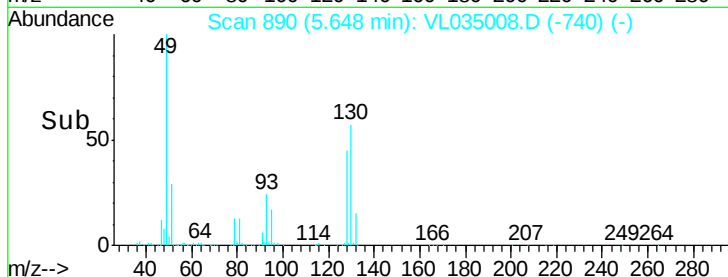
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.020 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL035008.D

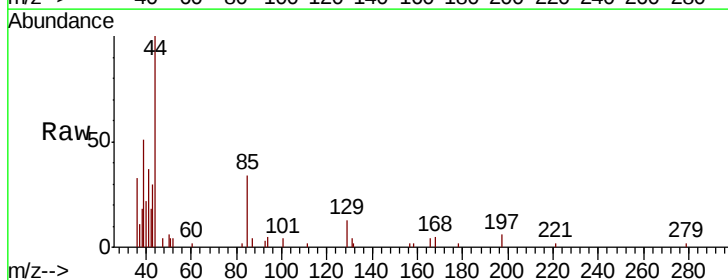
Acq: 13 May 2020 4:39

Tgt Ion: 85 Resp: 2630

Ion Ratio Lower Upper

85 100

87 12.3 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

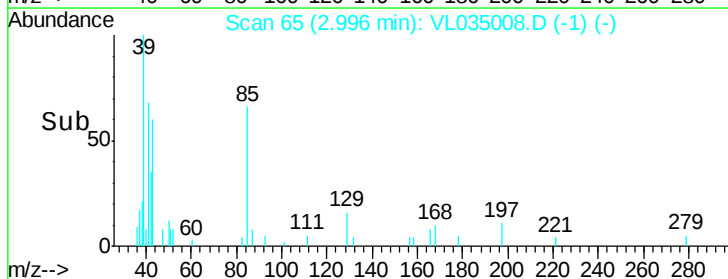
3000

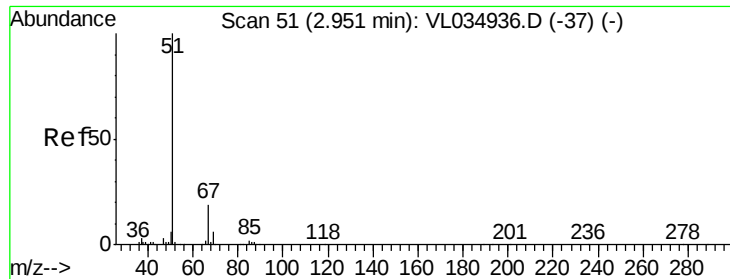
2000

1000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

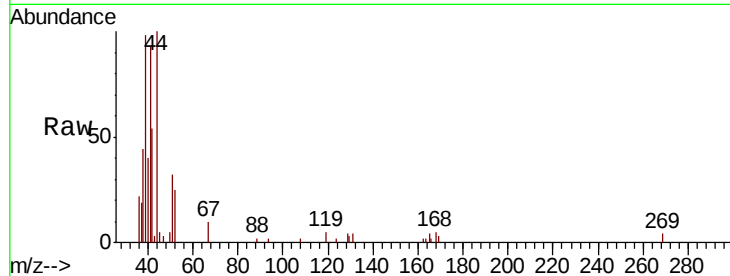
SG-2DL

Tot Ion: 51 Resp: 4111

Ion Ratio Lower Upper

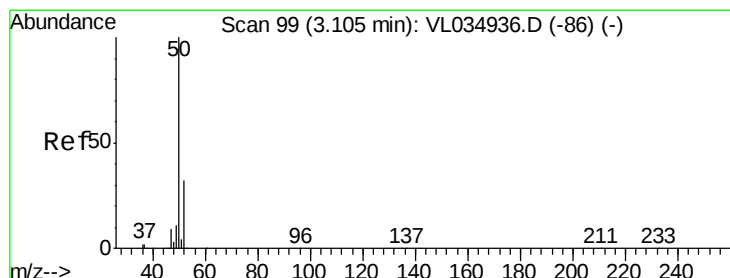
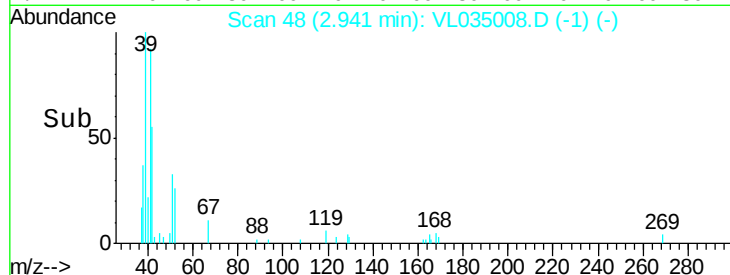
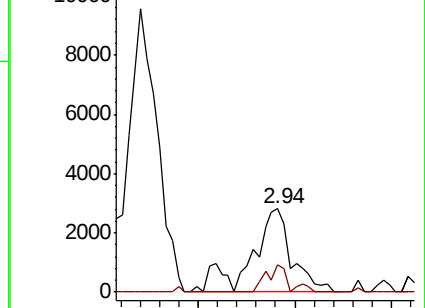
51 100

67 18.1 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.060 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.01 min

Lab File: VL035008.D

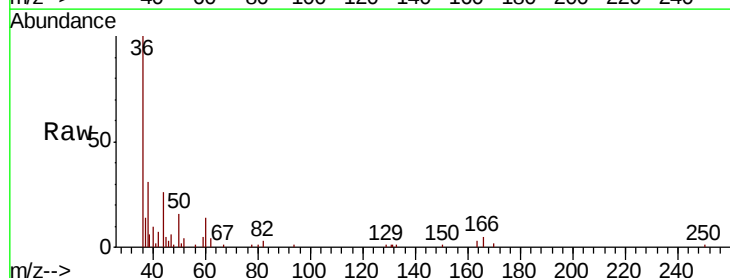
Acq: 13 May 2020 4:39

Tgt Ion: 50 Resp: 3625

Ion Ratio Lower Upper

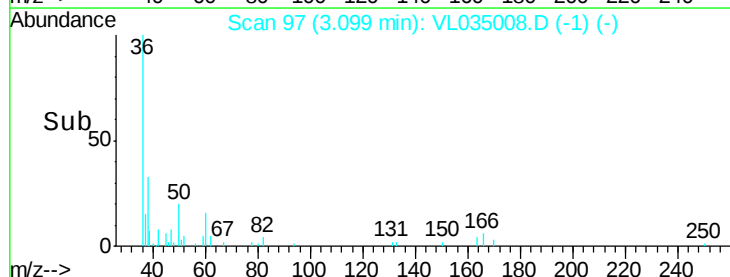
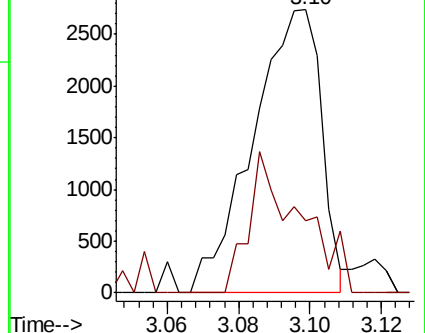
50 100

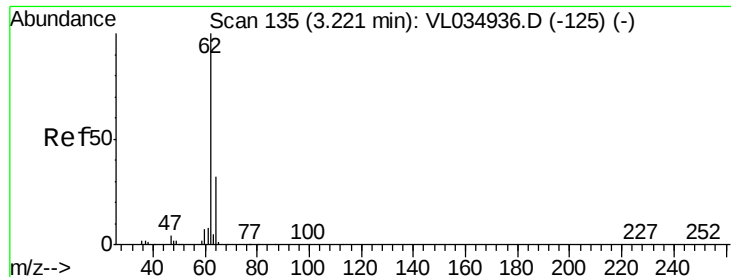
52 25.5 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.415 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

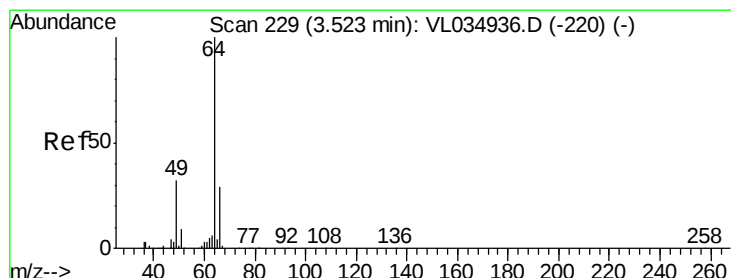
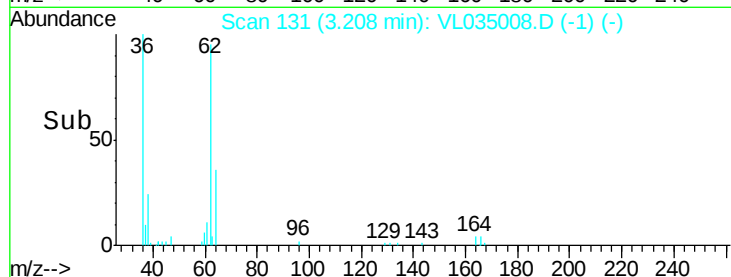
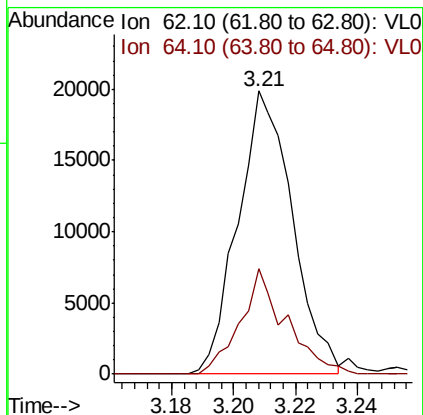
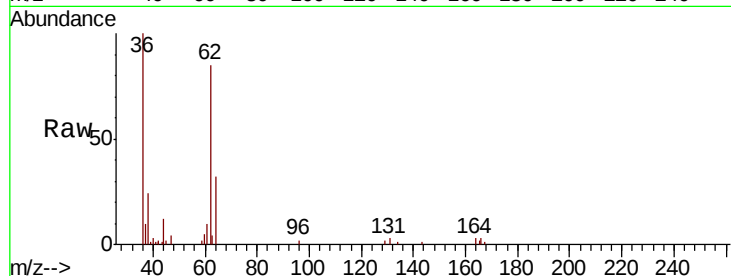
SG-2DL

Tot Ion: 62 Resp: 24358

Ion Ratio Lower Upper

62 100

64 37.2 25.7 38.5



#7

Chloroethane

Concen: 0.054 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035008.D

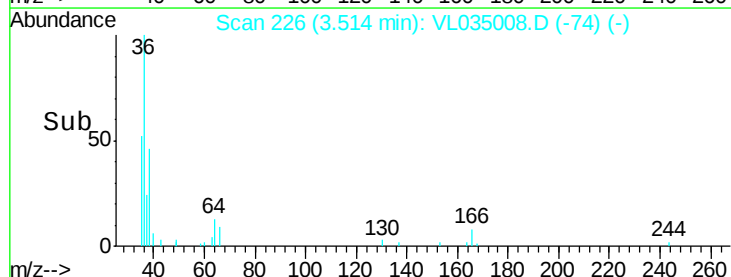
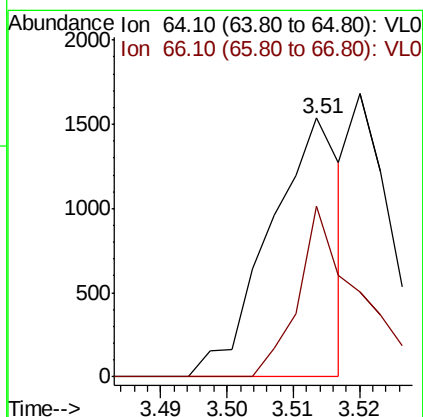
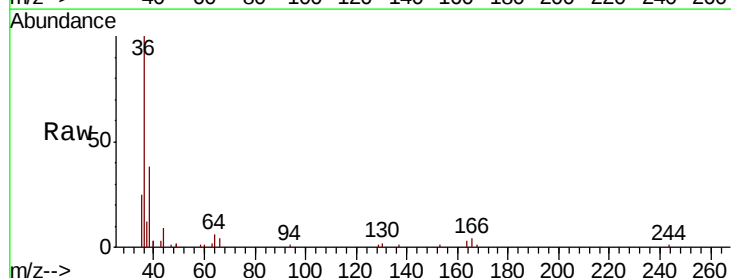
Acq: 13 May 2020 4:39

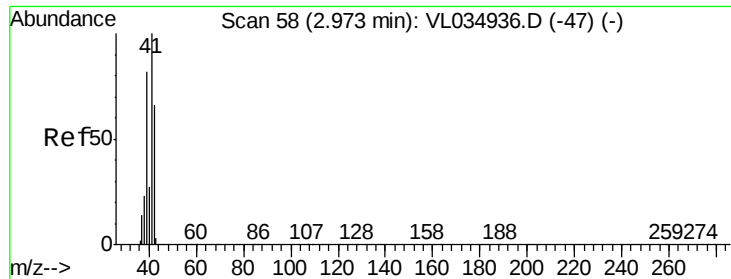
Tgt Ion: 64 Resp: 1144

Ion Ratio Lower Upper

64 100

66 65.8 23.2 34.8#





#9

Propene

Concen: 5.916 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

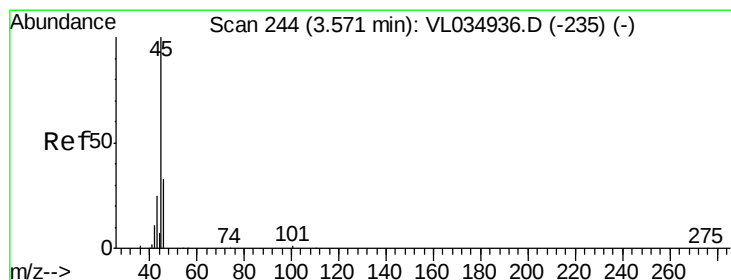
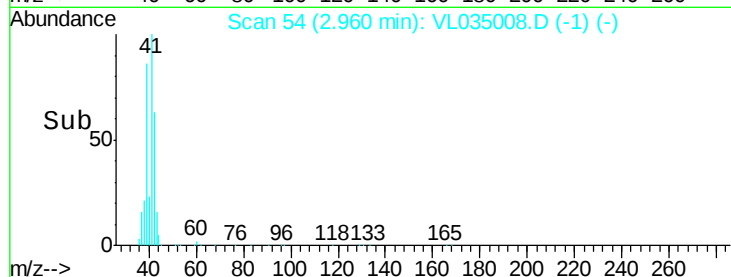
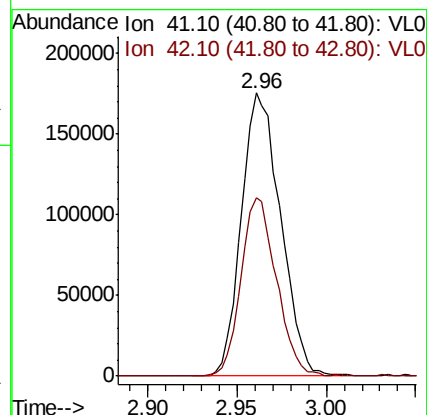
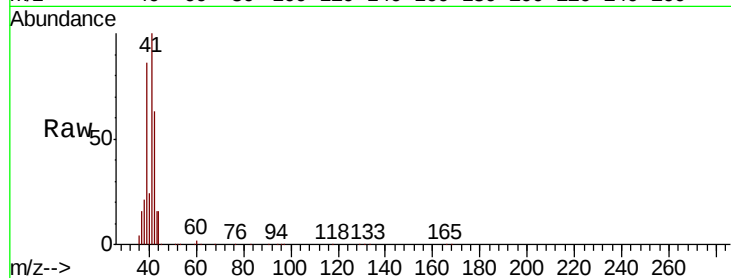
SG-2DL

Tot Ion: 41 Resp: 269519

Ion Ratio Lower Upper

41 100

42 56.9 54.5 81.7



#13

Ethanol

Concen: 1.209 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.01 min

Lab File: VL035008.D

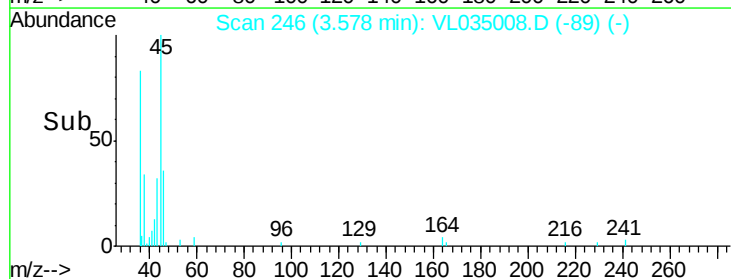
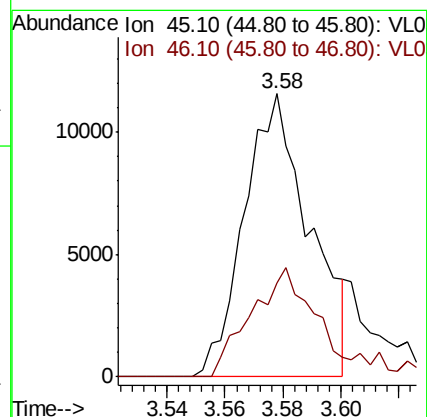
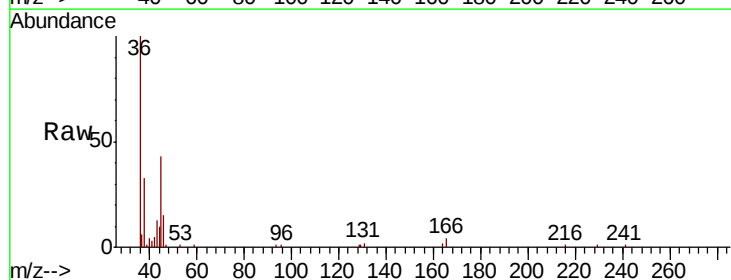
Acq: 13 May 2020 4:39

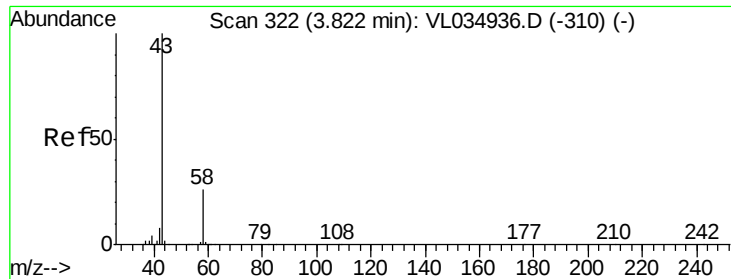
Tgt Ion: 45 Resp: 18171

Ion Ratio Lower Upper

45 100

46 42.9 14.3 57.3





#15

Acetone

Concen: 1.663 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

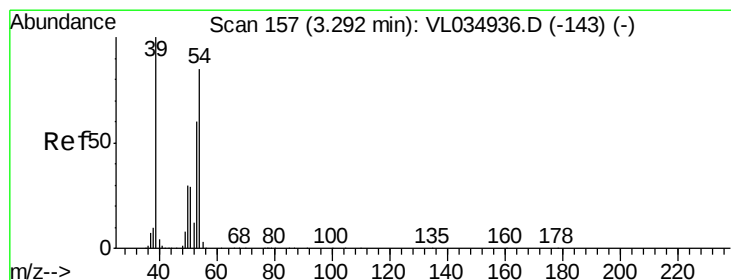
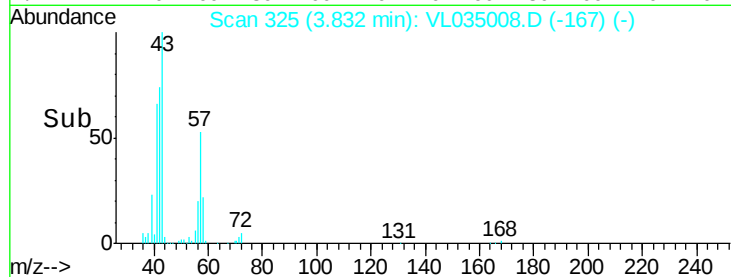
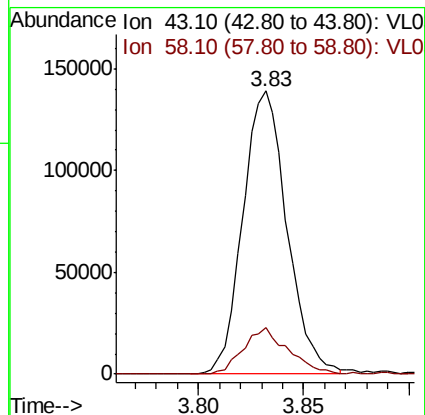
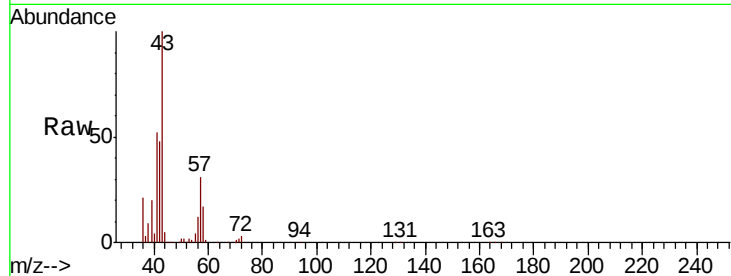
SG-2DL

Tot Ion: 43 Resp: 202161

Ion Ratio Lower Upper

43 100

58 17.3 21.7 32.5#



#16

1,3-Butadiene

Concen: 1.750 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.03 min

Lab File: VL035008.D

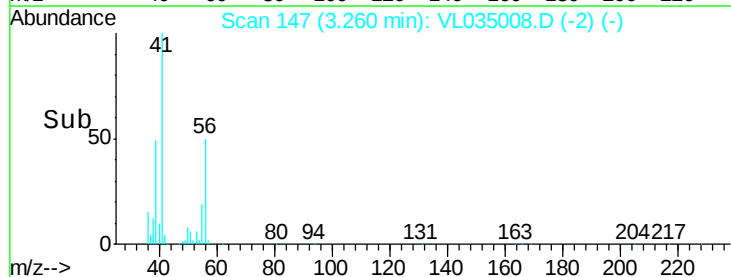
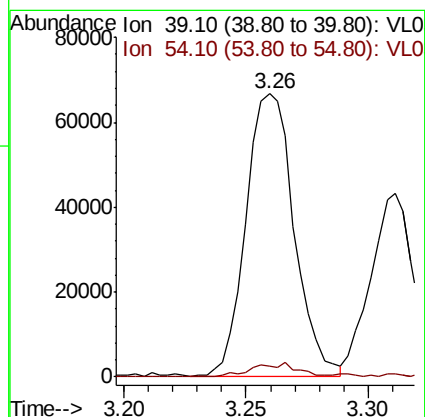
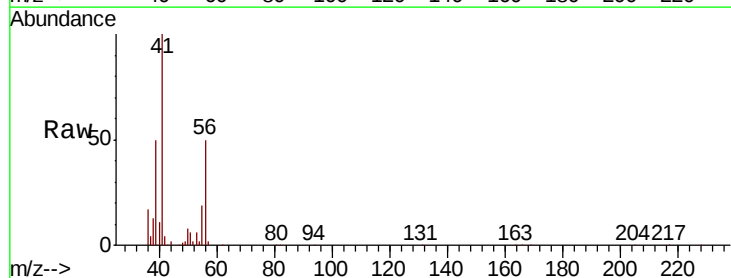
Acq: 13 May 2020 4:39

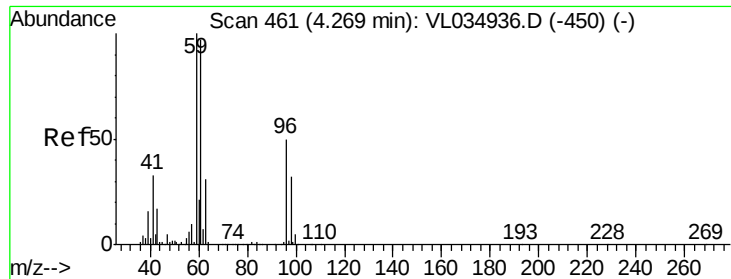
Tgt Ion: 39 Resp: 91524

Ion Ratio Lower Upper

39 100

54 5.2 66.6 100.0#





#17

tert-Butyl alcohol

Concen: 0.181 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleID :

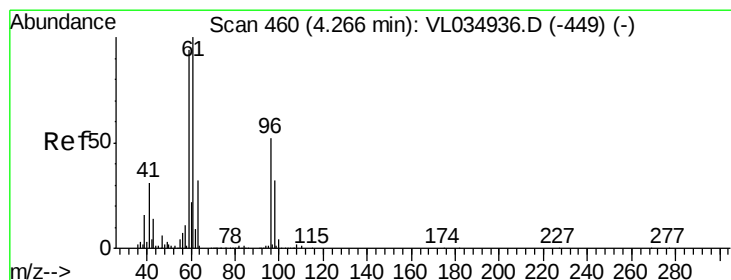
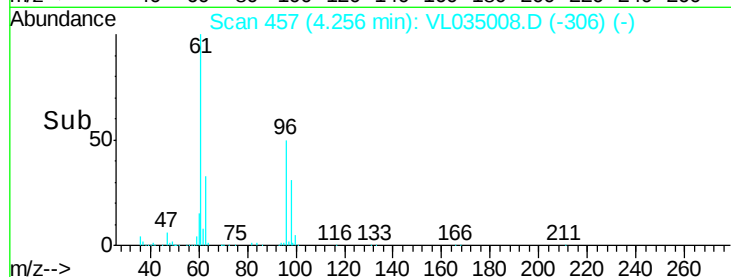
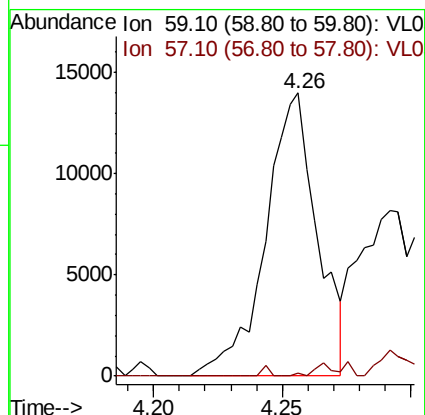
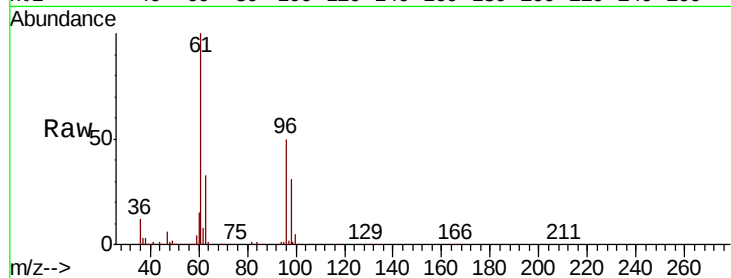
SG-2DL

Tot Ion: 59 Resp: 19569

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 6.041 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

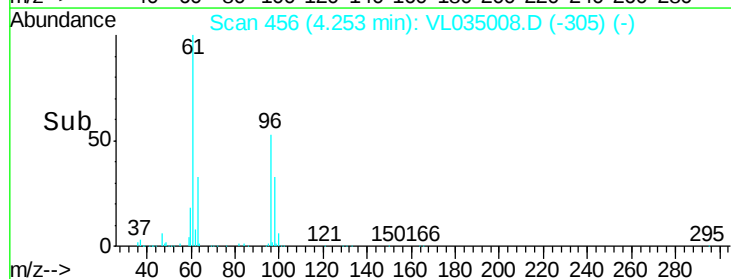
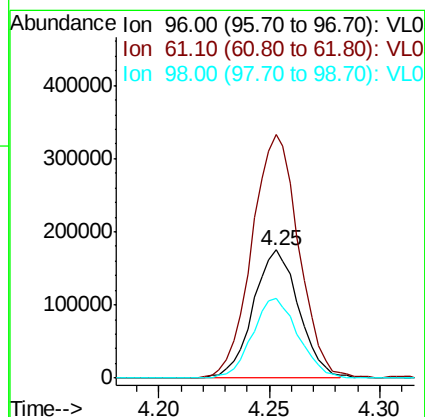
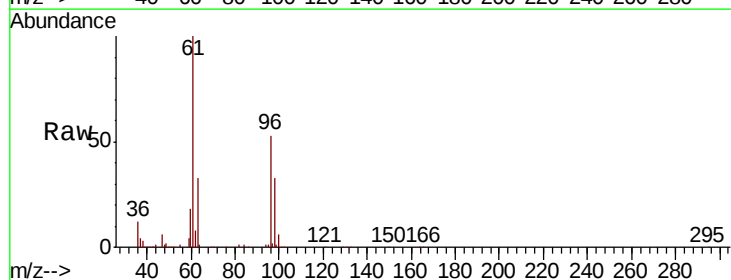
Tgt Ion: 96 Resp: 251125

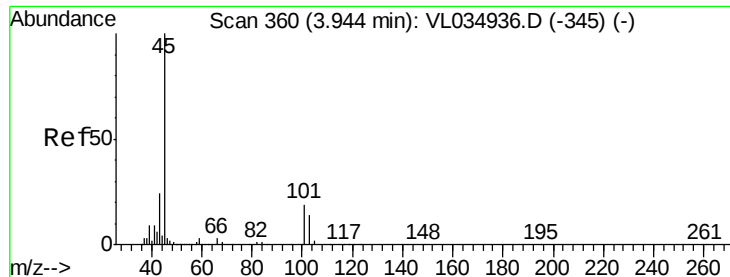
Ion Ratio Lower Upper

96 100

61 190.4 152.4 228.6

98 62.2 48.8 73.2





#19

Isopropyl Alcohol

Concen: 0.046 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

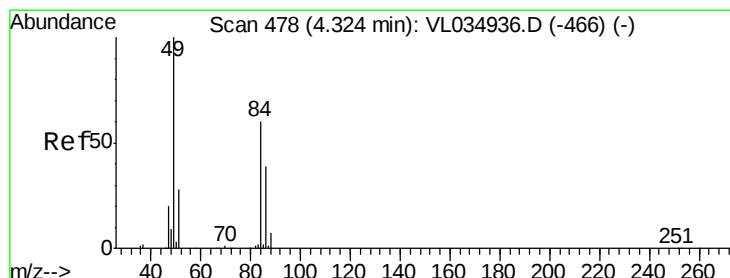
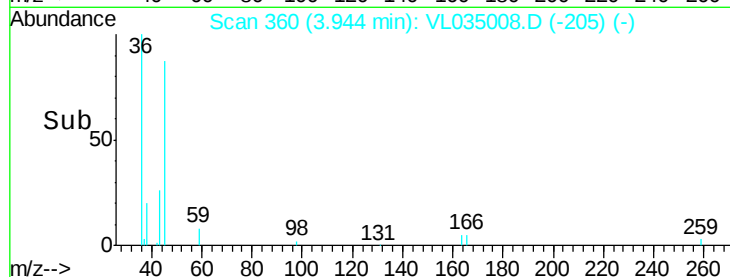
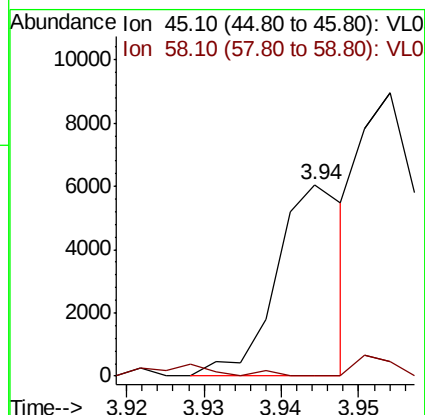
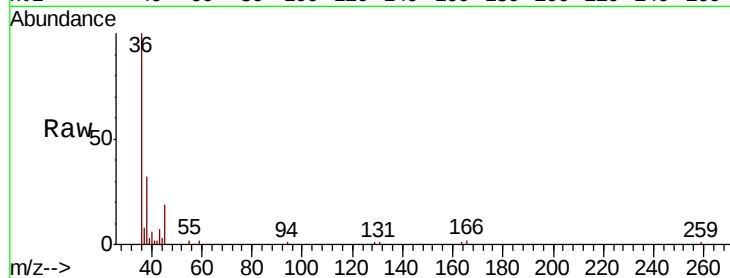
SG-2DL

Tot Ion: 45 Resp: 3735

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.549 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tgt Ion: 84 Resp: 22081

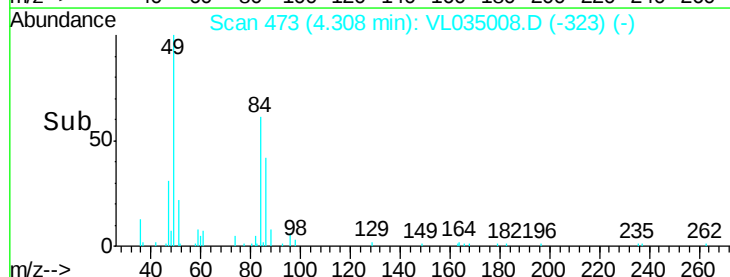
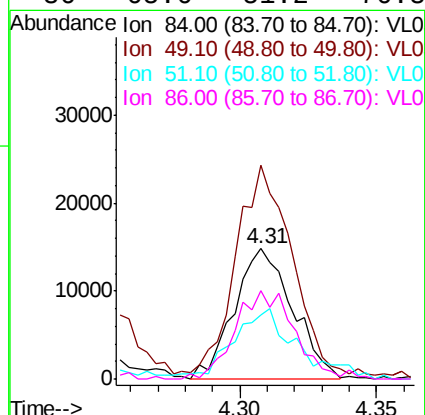
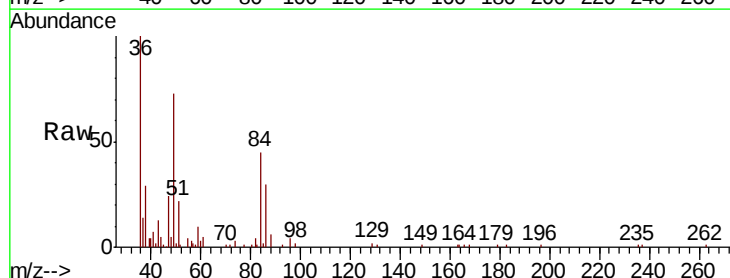
Ion Ratio Lower Upper

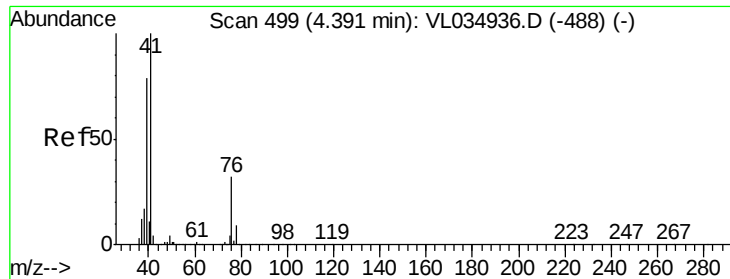
84 100

49 158.4 132.5 198.7

51 47.0 38.4 57.6

86 65.6 51.2 76.8

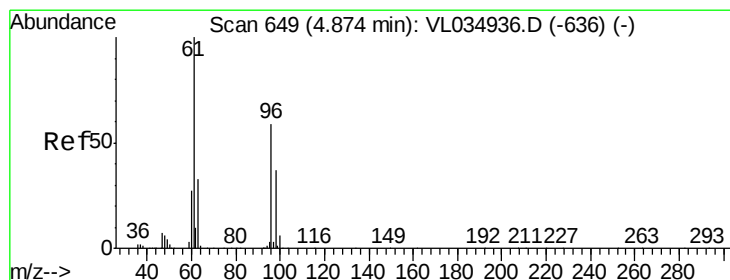
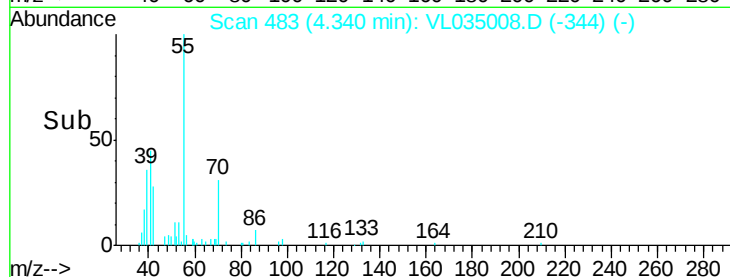
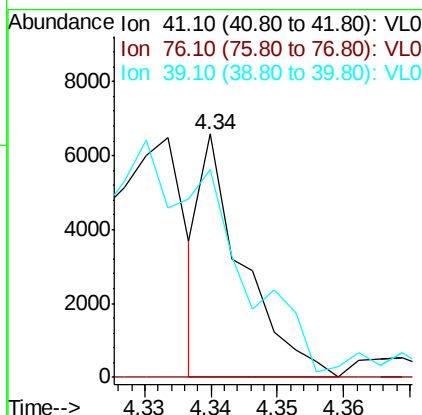
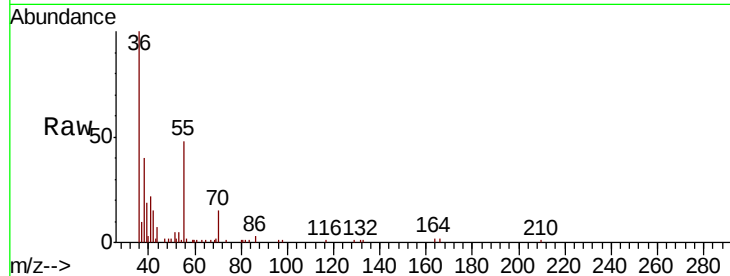




#21
Allvl Chloride
Concen: 0.042 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.05 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

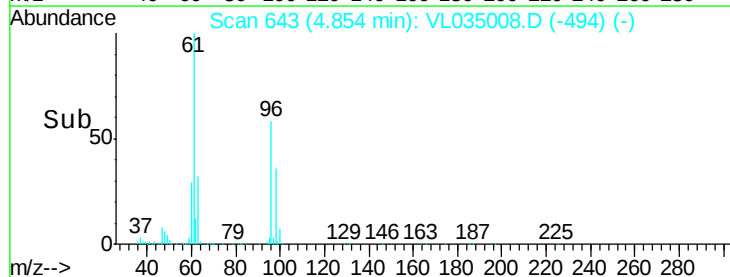
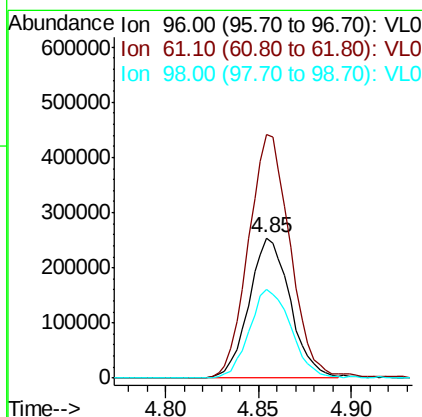
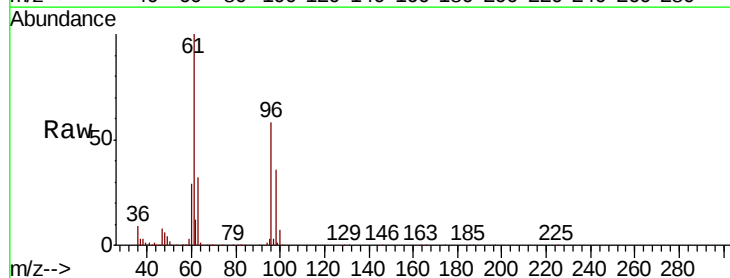
Instrument :
MSVOA_L
ClientSampled :
SG-2DL

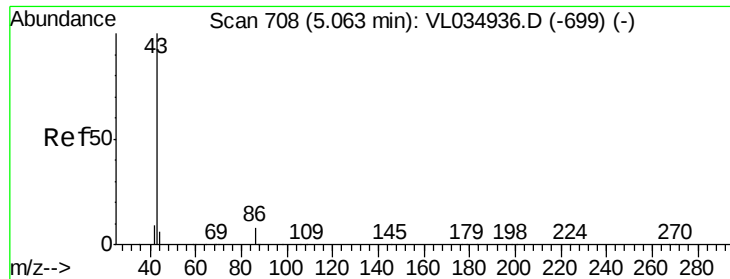
Tot Ion: 41 Resp: 2912
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 30.9 61.9 92.9#



#22
trans-1,2-Dichloroethene
Concen: 9.501 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion: 96 Resp: 391226
Ion Ratio Lower Upper
96 100
61 173.8 135.3 202.9
98 63.2 50.4 75.6





#23

Vinyl Acetate

Concen: 0.109 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.03 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 43 Resp: 16857

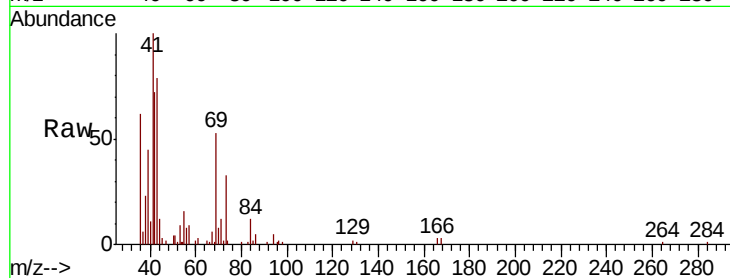
Ion Ratio Lower Upper

43 100

86 6.0 5.5 8.3

42 99.0 8.0 12.0#

44 13.0 4.5 6.7#



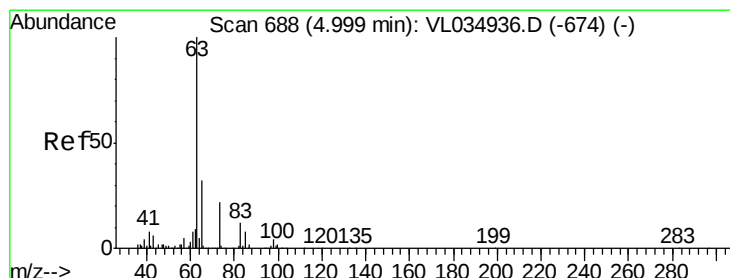
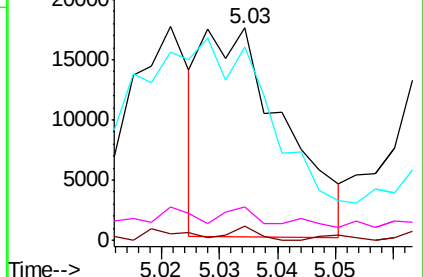
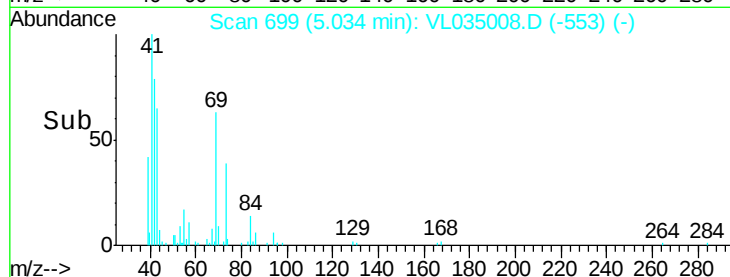
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

5.03



#24

1,1-Dichloroethane

Concen: 0.046 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

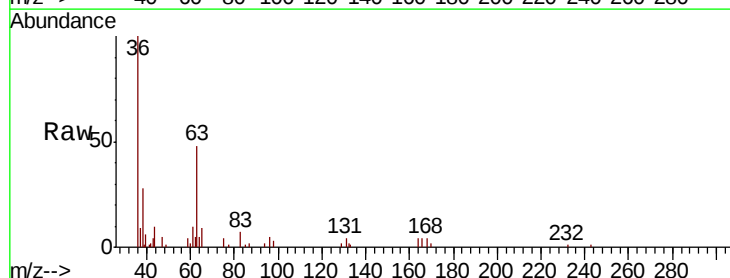
Tgt Ion: 63 Resp: 5507

Ion Ratio Lower Upper

63 100

98 6.6 2.0 6.0#

100 0.0 1.1 3.5#

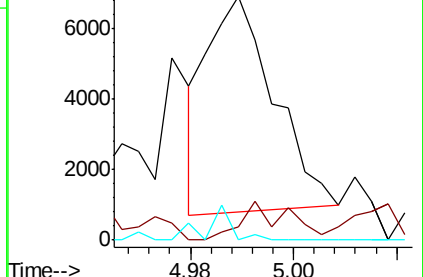
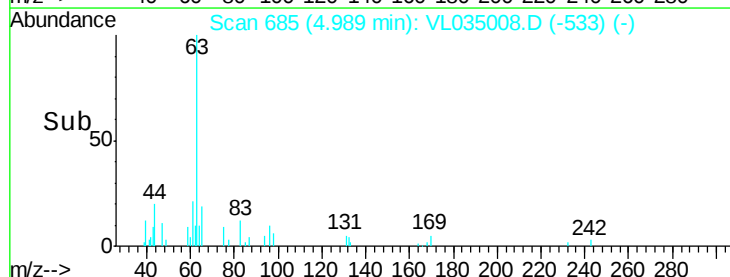


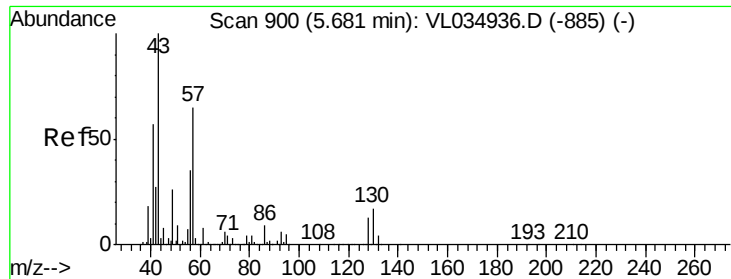
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

4.99

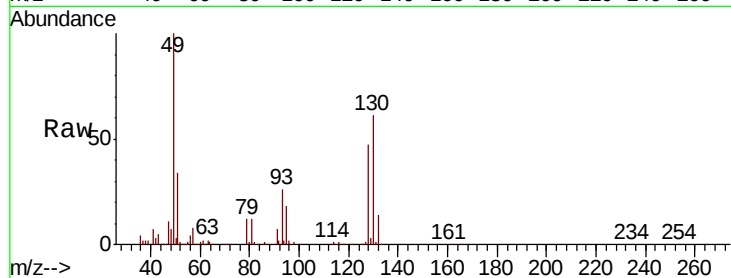




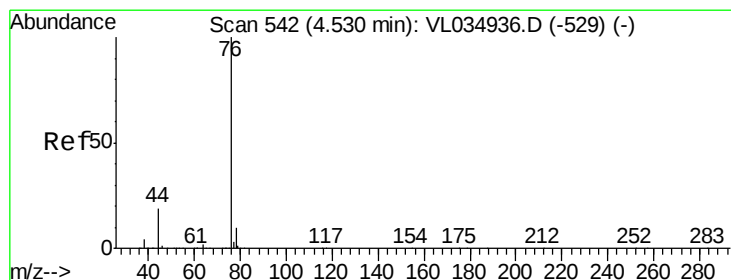
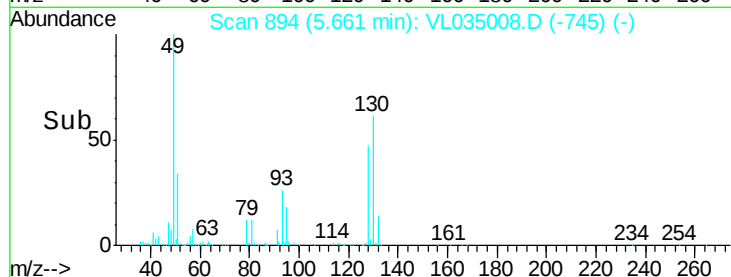
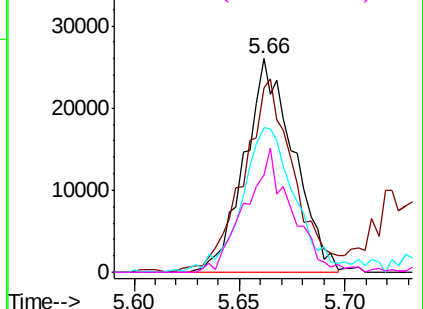
#26
Hexane
Concen: 0.476 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion: 57 Resp: 42127
Ion Ratio Lower Upper
57 100
41 93.6 72.7 109.1
43 77.4 182.1 273.1#
56 55.2 42.2 63.2

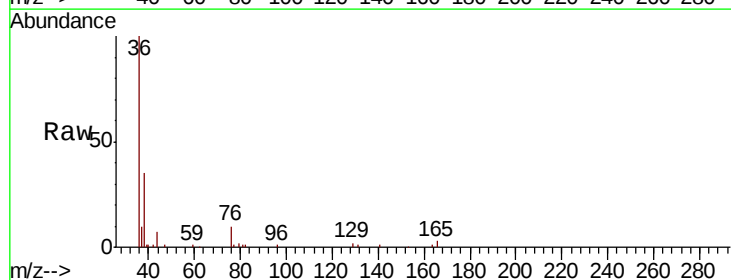


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

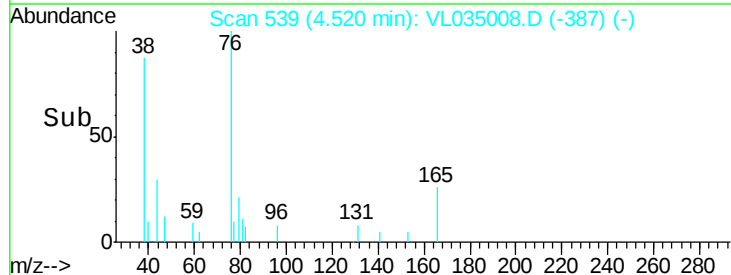
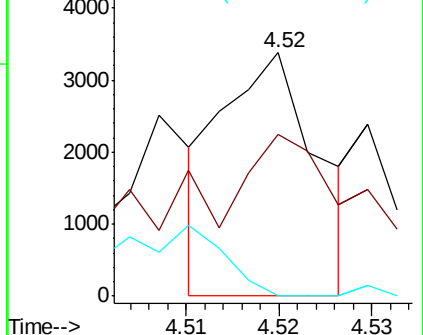


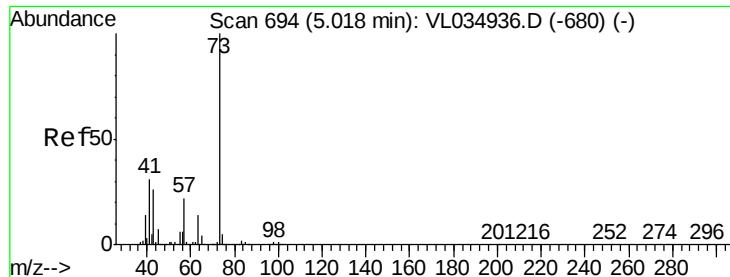
#27
Carbon Disulfide
Concen: 0.023 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion: 76 Resp: 2434
Ion Ratio Lower Upper
76 100
44 0.0 15.2 22.8#
78 0.0 7.7 11.5#



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

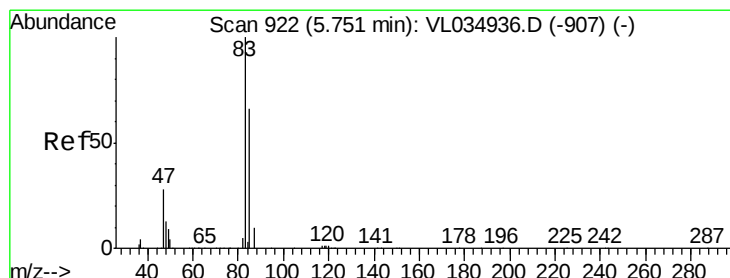
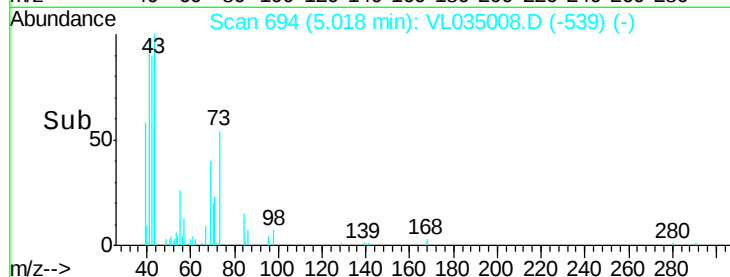
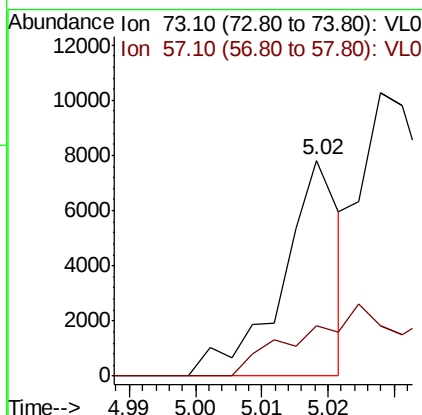
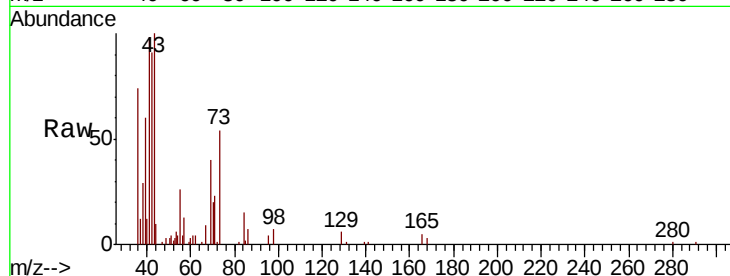




#28
Methvl tert-Butvl Ether
Concen: 0.035 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

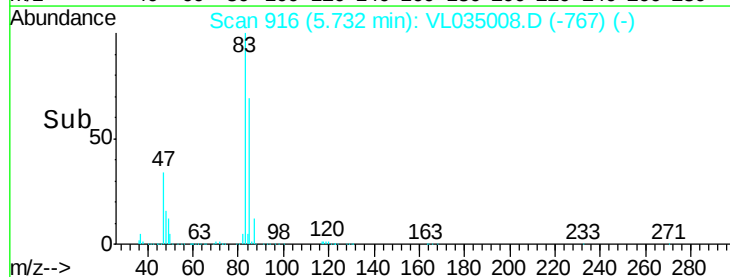
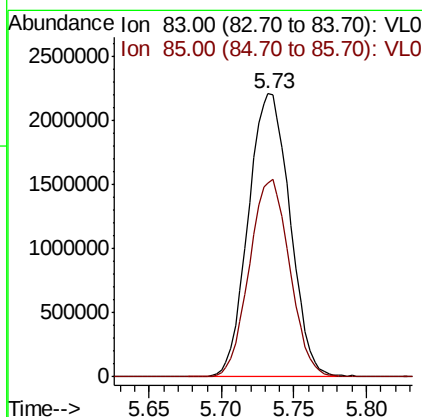
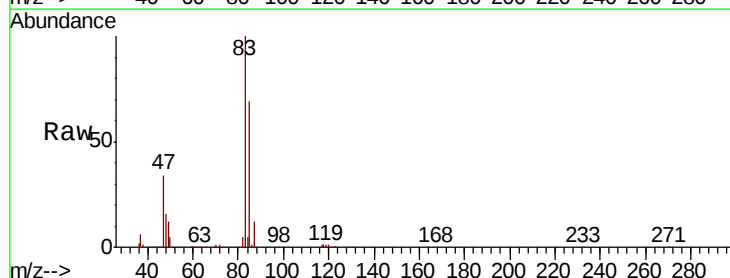
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

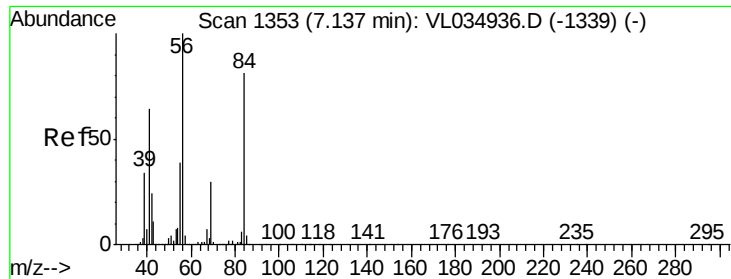
Tot Ion: 73 Resp: 4756
Ion Ratio Lower Upper
73 100
57 0.0 18.3 27.5#



#29
Chloroform
Concen: 30.452 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion: 83 Resp: 4410710
Ion Ratio Lower Upper
83 100
85 68.6 53.0 79.6

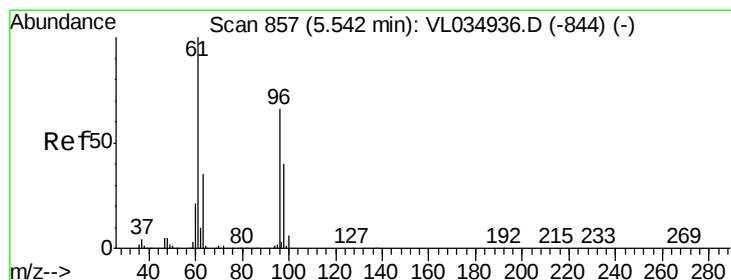
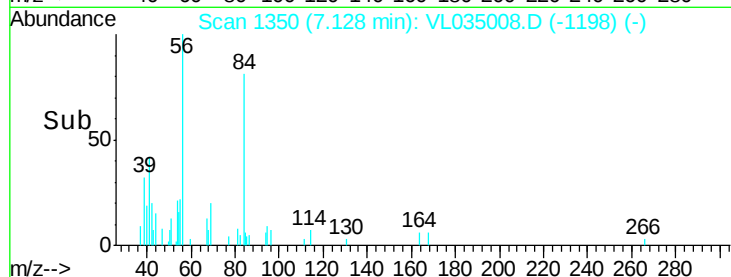
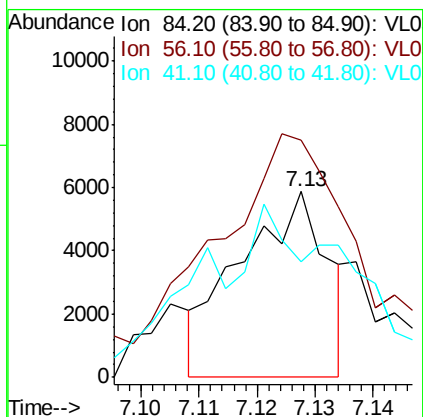
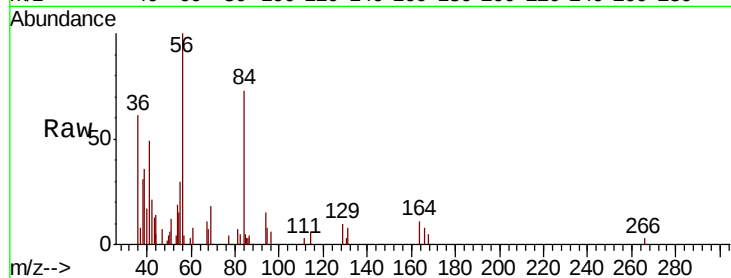




#30
Cvclohexane
Concen: 0.090 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

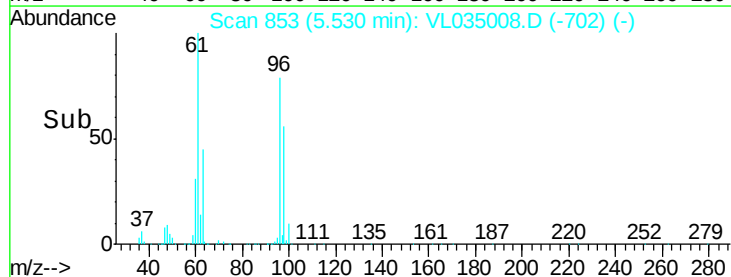
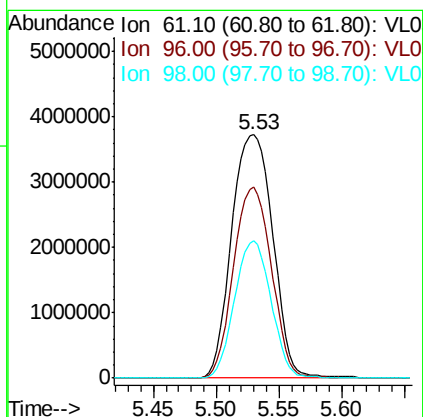
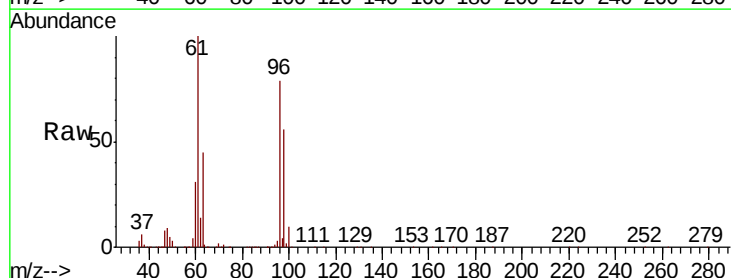
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

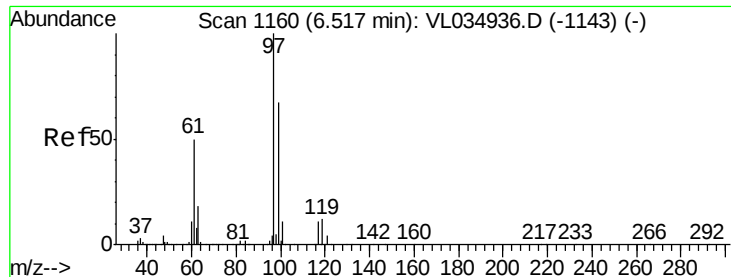
Tot Ion: 84 Resp: 6152
Ion Ratio Lower Upper
84 100
56 227.1 111.4 167.2#
41 161.7 66.7 100.1#



#31
cis-1,2-Dichloroethene
Concen: 98.582 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion: 61 Resp: 8514825
Ion Ratio Lower Upper
61 100
96 78.5 53.0 79.6
98 56.3 32.2 48.2#





#32

1,1,1-Trichloroethane

Concen: 0.386 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

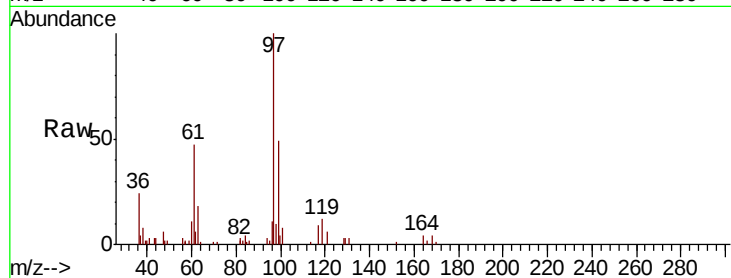
Tot Ion: 97 Resp: 50461

Ion Ratio Lower Upper

97 100

99 65.3 52.1 78.1

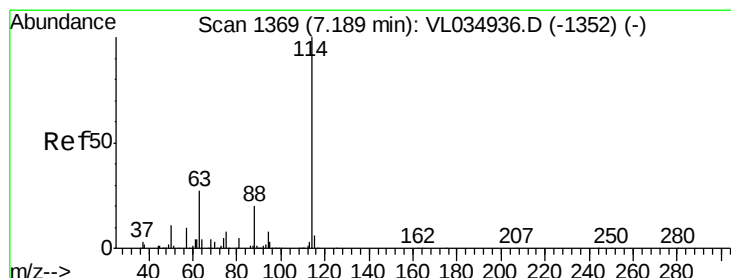
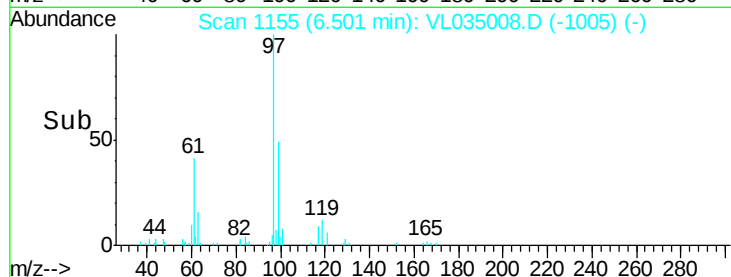
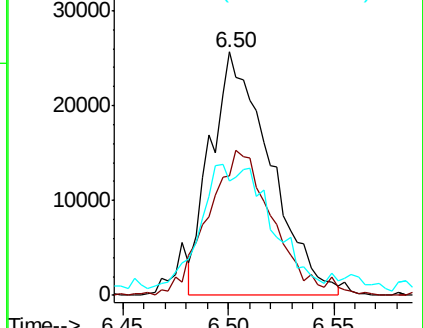
61 64.0 41.8 62.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

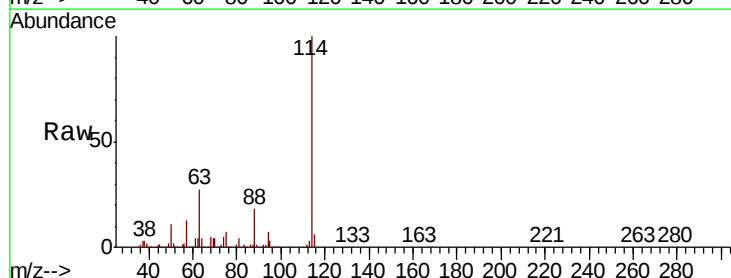
Tgt Ion: 114 Resp: 2182883

Ion Ratio Lower Upper

114 100

63 26.3 22.2 33.4

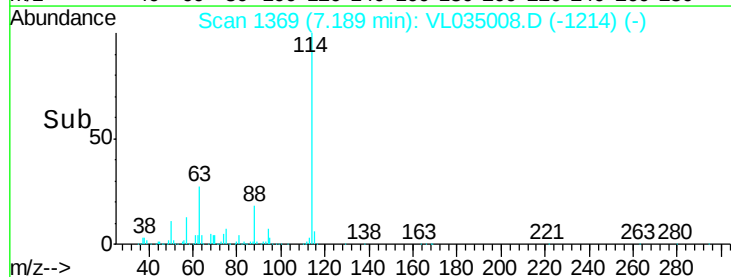
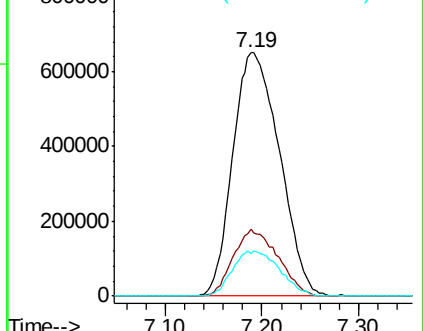
88 18.8 15.5 23.3

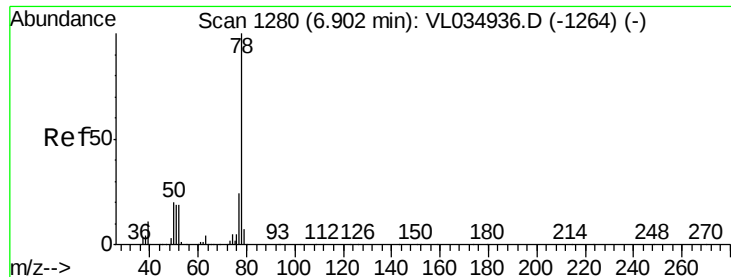


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 1.027 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

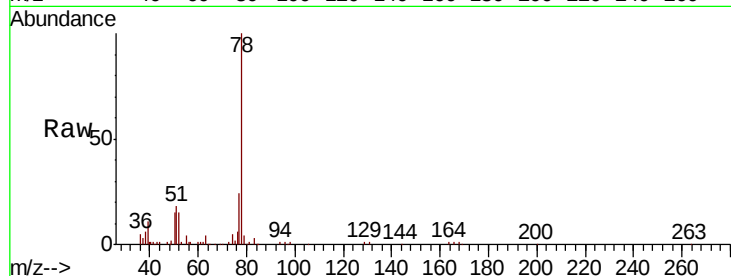
Tot Ion: 78 Resp: 184895

Ion Ratio Lower Upper

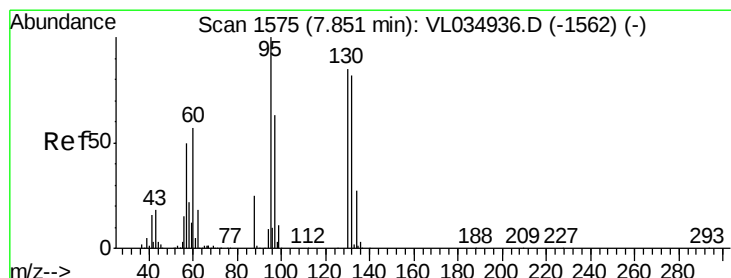
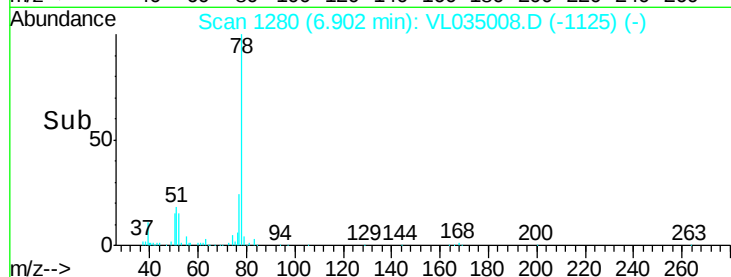
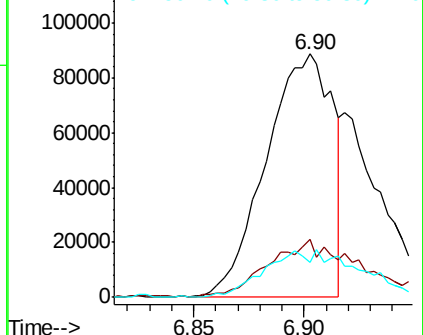
78 100

77 23.9 19.0 28.6

50 14.3 15.8 23.8#



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



#38

Trichloroethene

Concen: 577.607 ppbv

RT: 7.93 min Scan# 1600

Delta R.T. 0.08 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tgt Ion: 130 Resp: 40271655

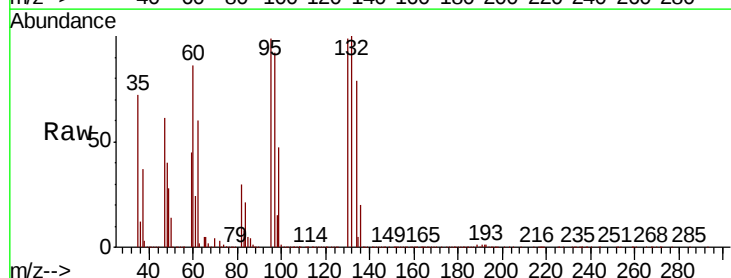
Ion Ratio Lower Upper

130 100

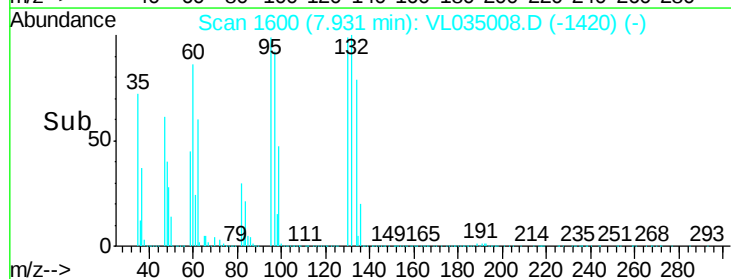
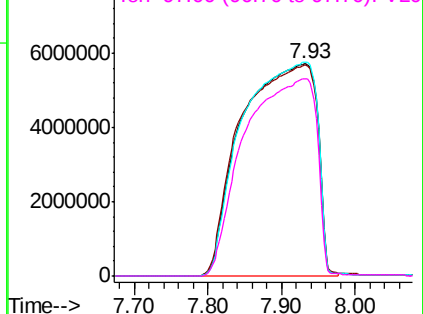
95 99.4 93.4 140.0

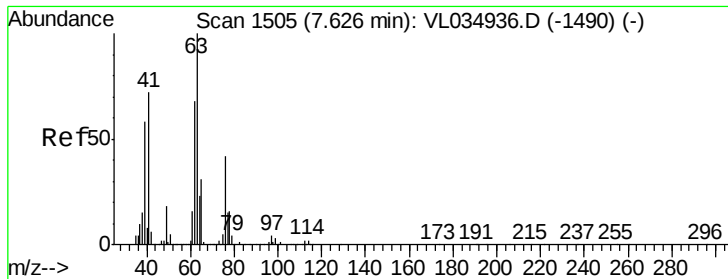
132 100.7 76.4 114.6

97 92.7 58.5 87.7#



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

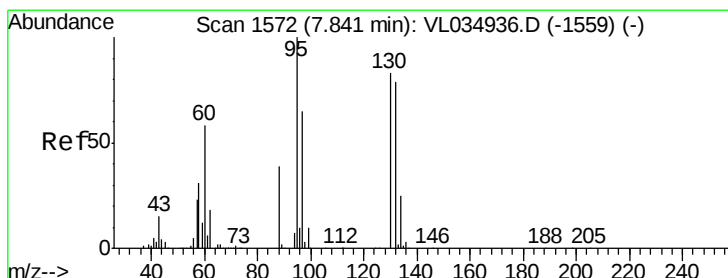
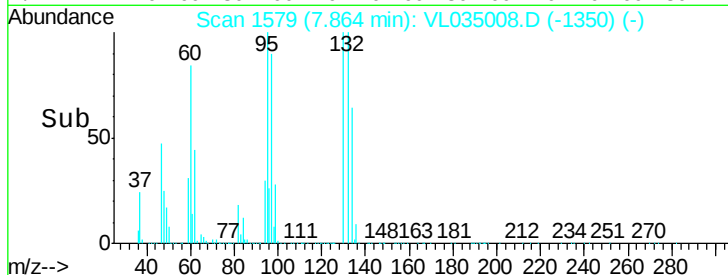
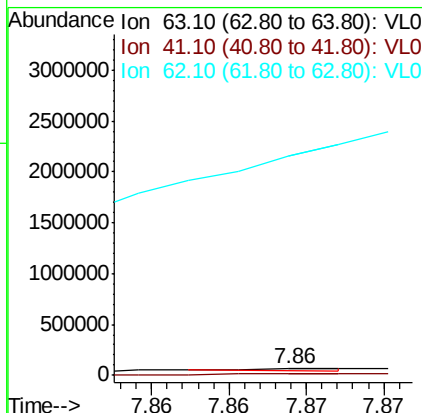
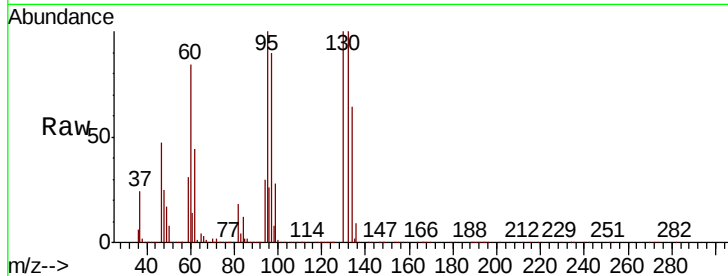




#39
 1,2-Dichloropropane
 Concen: 0.091 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.24 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

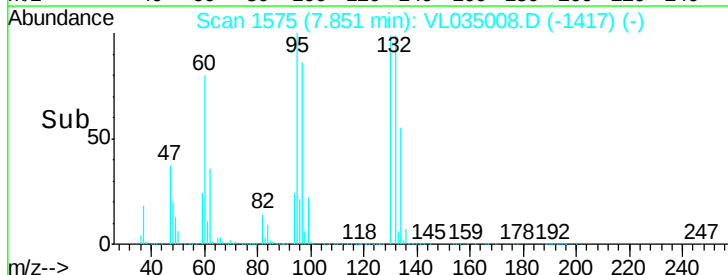
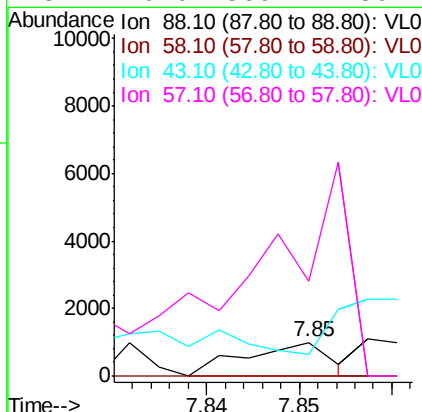
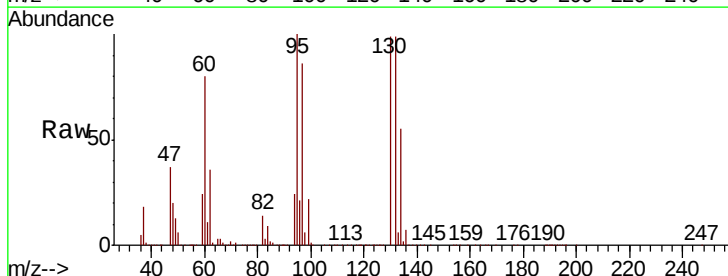
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

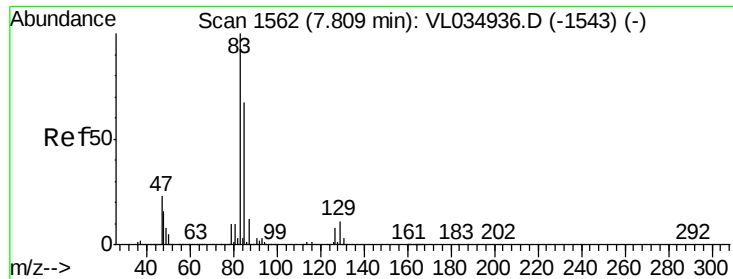
Tot Ion: 63 Resp: 6558
 Ion Ratio Lower Upper
 63 100
 41 17.6 57.8 86.8#
 62 1594.0 54.2 81.2#



#40
 1,4-Dioxane
 Concen: 0.021 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL035008.D
 Acq: 13 May 2020 4:39

Tgt Ion: 88 Resp: 620
 Ion Ratio Lower Upper
 88 100
 58 0.0 105.1 157.7#
 43 0.0 202.6 303.8#
 57 0.0 869.4 1304.0#





#42

Bromodichloromethane

Concen: 4.316 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.07 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleID :

SG-2DL

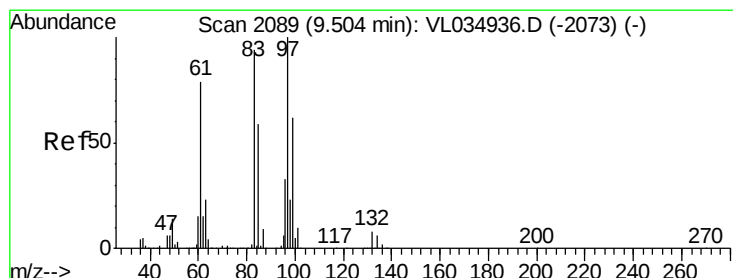
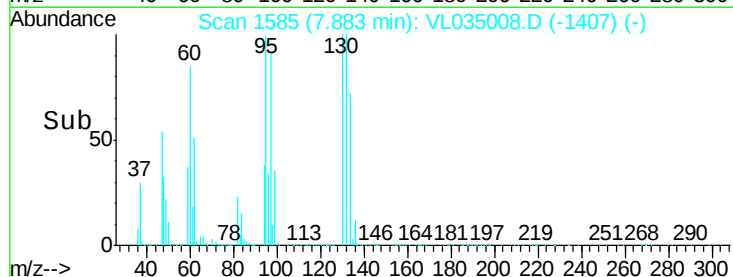
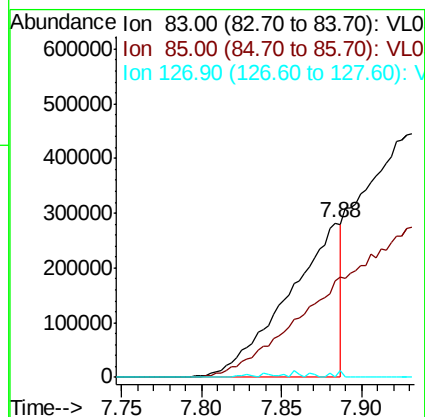
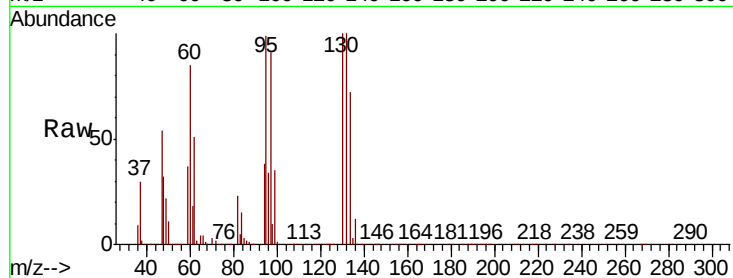
Tot Ion: 83 Resp: 646250

Ion Ratio Lower Upper

83 100

85 62.6 53.4 80.0

127 0.0 6.1 9.1#



#47

1,1,2-Trichloroethane

Concen: 1.522 ppbv

RT: 9.51 min Scan# 2092

Delta R.T. 0.01 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Tgt Ion: 97 Resp: 115838

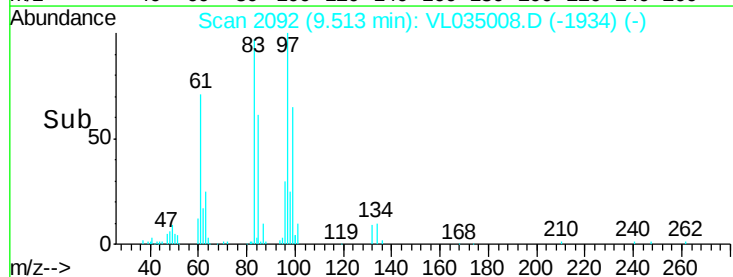
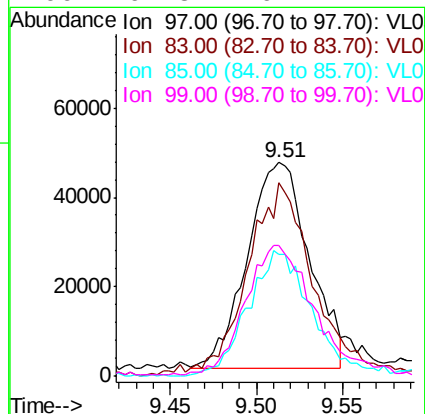
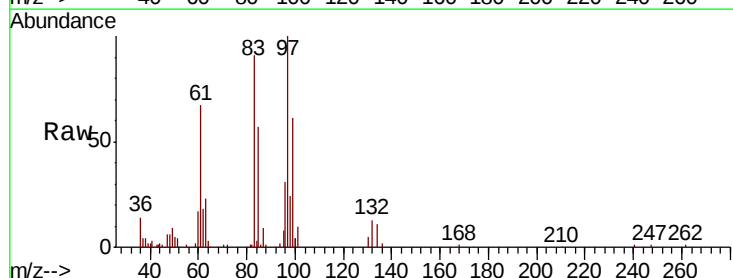
Ion Ratio Lower Upper

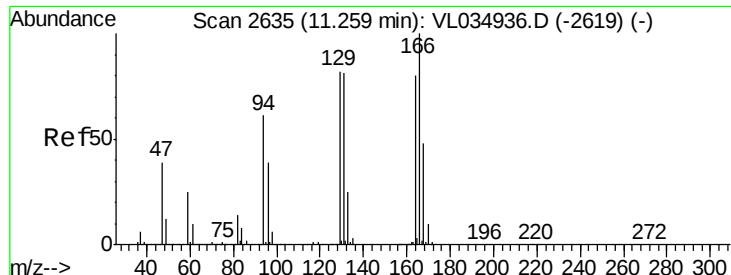
97 100

83 91.0 75.6 113.4

85 58.9 47.0 70.6

99 61.8 49.4 74.2





#52

Tetrachloroethene

Concen: 227.599 ppbv

RT: 11.41 min Scan# 2682

Delta R.T. 0.15 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion:164 Resp:14564931

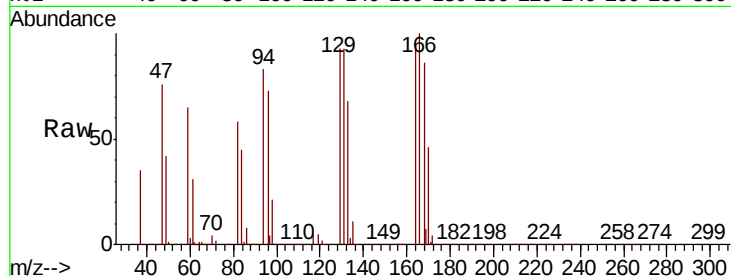
Ion Ratio Lower Upper

164 100

166 104.4 100.7 151.1

129 96.7 83.0 124.4

131 97.4 81.0 121.4

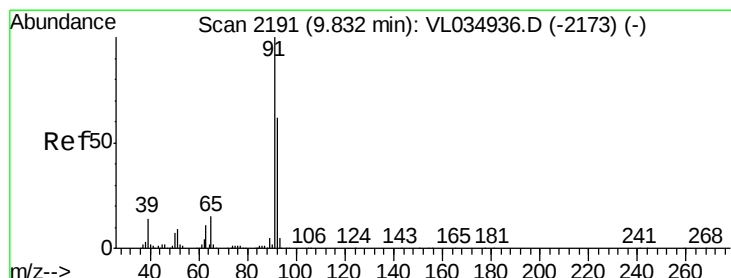
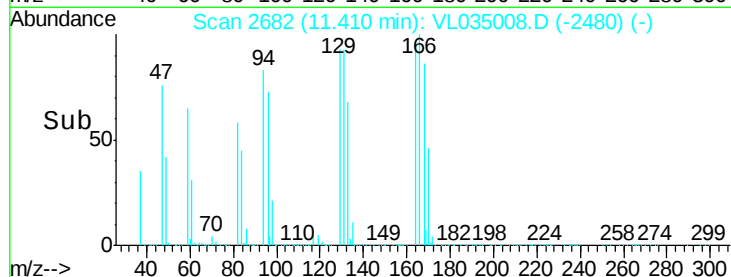
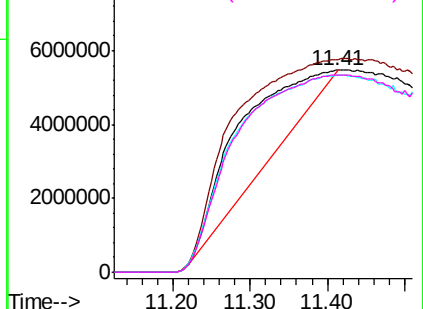


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.603 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.02 min

Lab File: VL035008.D

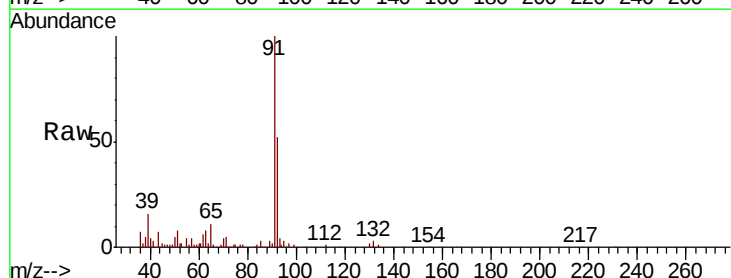
Acq: 13 May 2020 4:39

Tgt Ion: 91 Resp: 115115

Ion Ratio Lower Upper

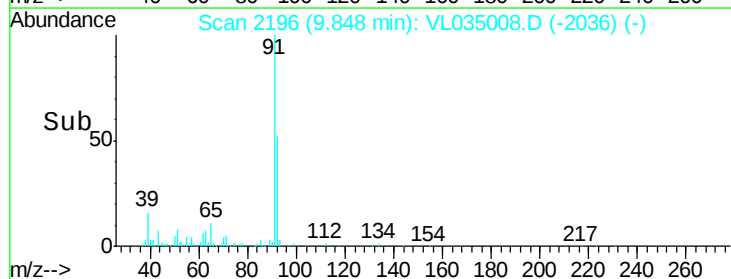
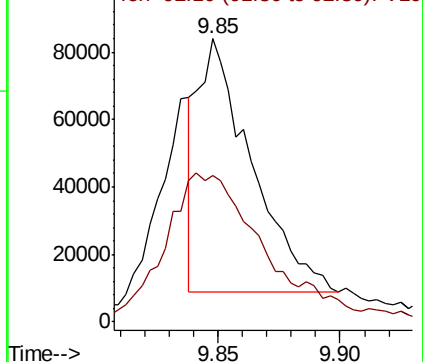
91 100

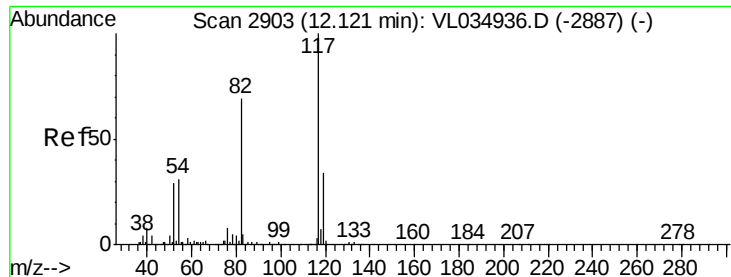
92 113.3 48.6 73.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

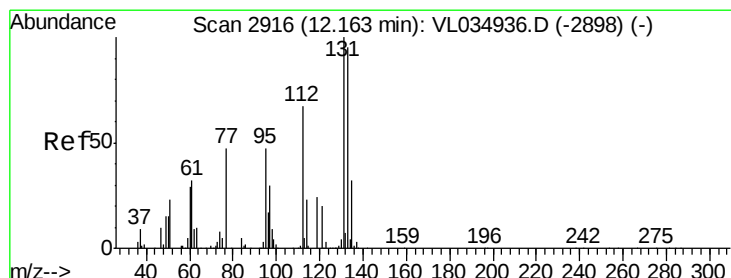
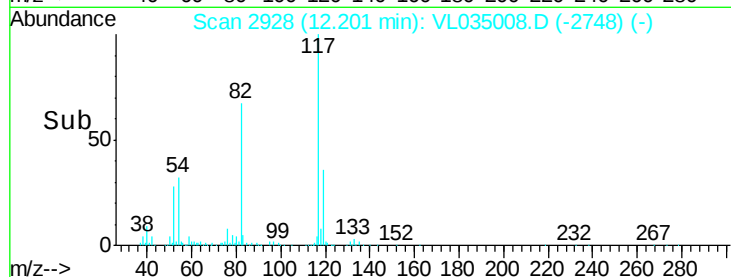
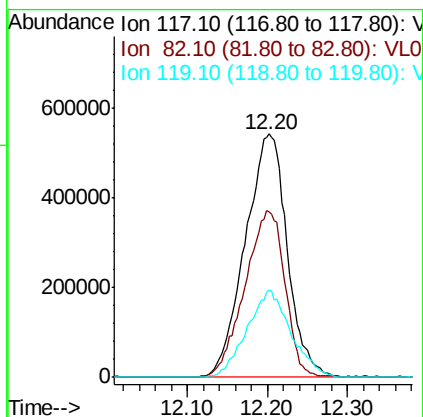
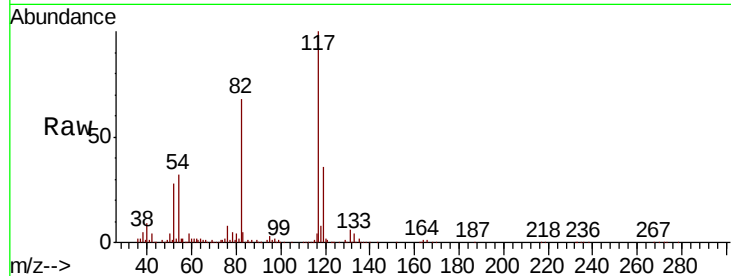




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. 0.08 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

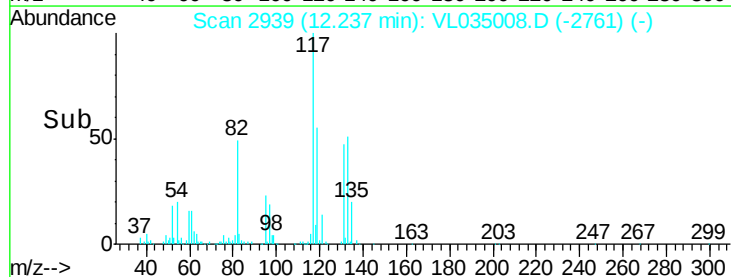
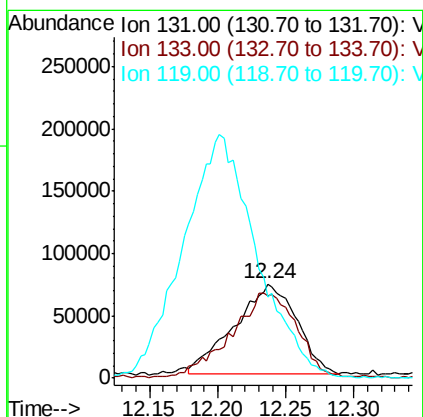
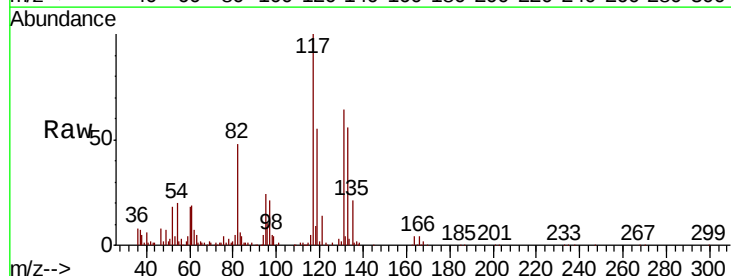
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

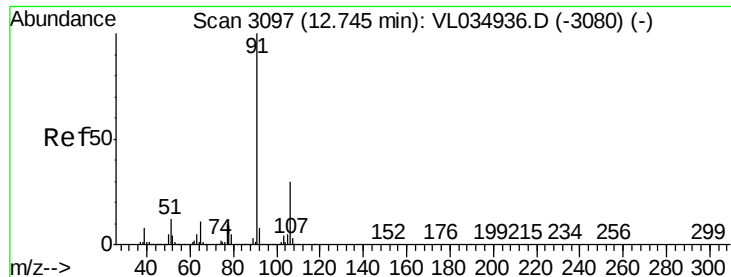
Tot Ion:117 Resp: 1949037
Ion Ratio Lower Upper
117 100
82 65.8 53.1 79.7
119 37.7 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 2.599 ppbv
RT: 12.24 min Scan# 2939
Delta R.T. 0.07 min
Lab File: VL035008.D
Acq: 13 May 2020 4:39

Tgt Ion:131 Resp: 228461
Ion Ratio Lower Upper
131 100
133 98.8 77.7 116.5
119 0.0 49.8 74.6#





#58

Ethyl Benzene

Concen: 0.033 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.35 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

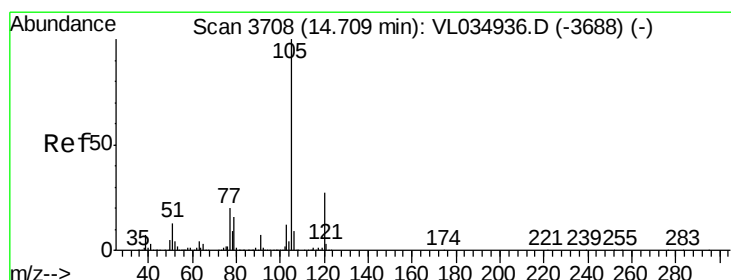
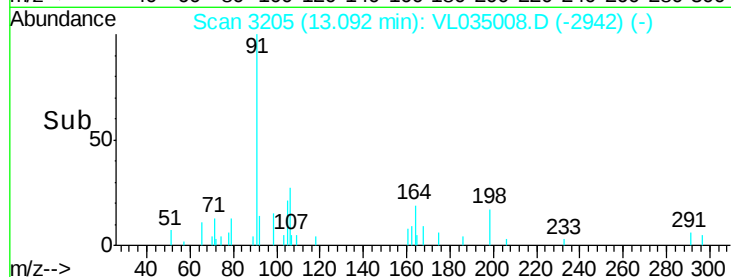
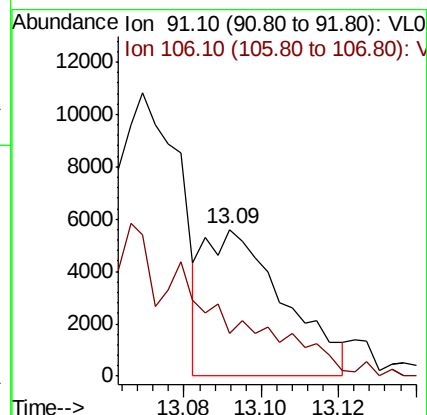
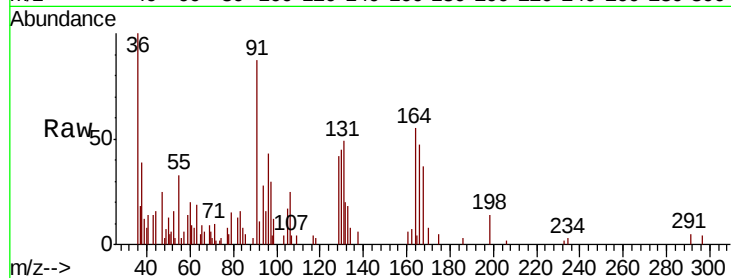
SG-2DL

Tot Ion: 91 Resp: 7970

Ion Ratio Lower Upper

91 100

106 32.8 24.2 36.4



#62

Isopropylbenzene

Concen: 0.325 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. 0.03 min

Lab File: VL035008.D

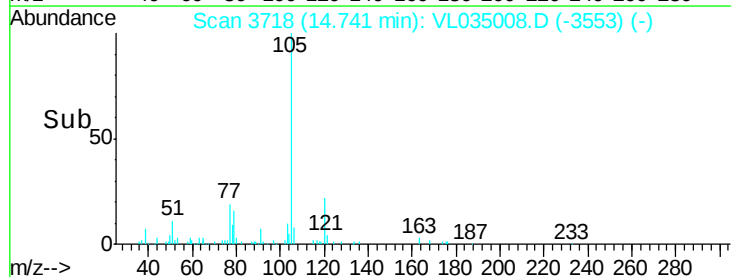
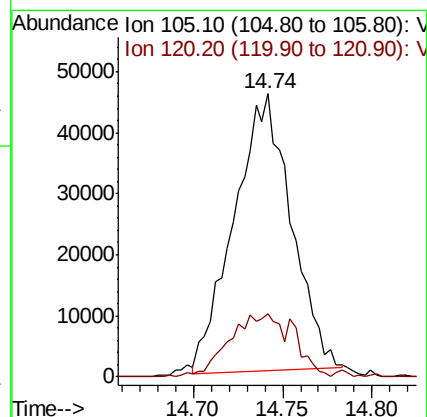
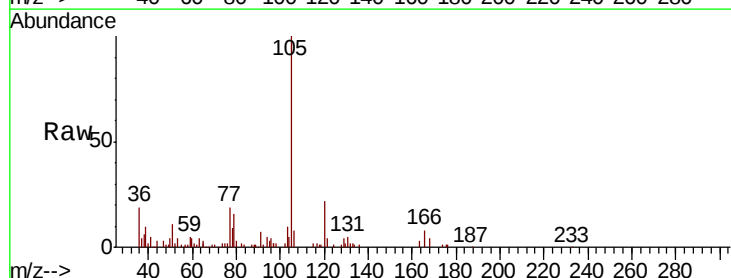
Acq: 13 May 2020 4:39

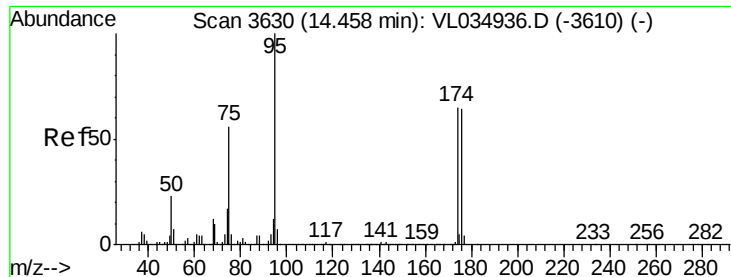
Tgt Ion: 105 Resp: 101546

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.417 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. 0.04 min

Lab File: VL035008.D

Acq: 13 May 2020 4:39

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

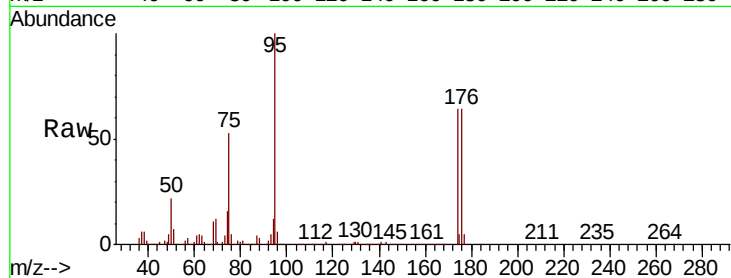
Tot Ion: 95 Resp: 1485686

Ion Ratio Lower Upper

95 100

174 64.1 51.5 77.3

175 5.0 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

