

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035003.D
 Acq On : 13 May 2020 1:29
 Operator : SY/AP
 Sample : L2566-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

Quant Time: May 13 06:55:44 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	1040960	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1961828	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2779171	10.00	ppbv	0.24

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1780850	7.92	ppbv	0.12	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	10200	0.069	ppbv #	74
3) Chlorodifluoromethane	2.94	51	41891	0.352	ppbv	98
4) Chloromethane	3.09	50	3934	0.058	ppbv #	83
5) Vinyl Chloride	3.21	62	10155	0.153	ppbv	92
7) Chloroethane	3.51	64	1667	0.070	ppbv	98
9) Propene	3.16	41	72764	1.411	ppbv	100
11) Trichlorofluoromethane	3.91	101	6214	0.041	ppbv	92
13) Ethanol	3.56	45	201303	11.829	ppbv	96
15) Acetone	3.83	43	533118	3.874	ppbv #	84
16) 1,3-Butadiene	3.26	39	137796	2.327	ppbv #	16
17) tert-Butyl alcohol	4.25	59	46284	0.378	ppbv #	71
18) 1,1-Dichloroethene	4.25	96	542004	11.518	ppbv	98
19) Isopropyl Alcohol	3.94	45	324028	3.531	ppbv #	97
20) Methylene Chloride	4.31	84	38185	0.838	ppbv	93
21) Allyl Chloride	4.34	41	2003	0.026	ppbv #	20
22) trans-1,2-Dichloroethene	4.86	96	226023	4.849	ppbv	93
23) Vinyl Acetate	5.03	43	158492	0.908	ppbv #	1
24) 1,1-Dichloroethane	4.98	63	7769	0.058	ppbv #	96
25) Ethyl Acetate	5.67	43	110943	0.480	ppbv #	76
26) Hexane	5.67	57	153393	1.531	ppbv #	44
27) Carbon Disulfide	4.52	76	3322	0.028	ppbv #	63
28) Methyl tert-Butyl Ether	5.02	73	19480	0.128	ppbv #	51
29) Chloroform	5.73	83	2416869	14.739	ppbv	100
30) Cyclohexane	7.12	84	69949	0.904	ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	6129930	62.690	ppbv	91
32) 1,1,1-Trichloroethane	6.50	97	270128	1.824	ppbv	99
34) 2-Butanone	5.25	43	2592	0.021	ppbv #	1
36) Benzene	6.91	78	286201	1.769	ppbv	97
38) Trichloroethene	7.95	130	41322824	659.466	ppbv #	85
39) 1,2-Dichloropropane	7.84	63	52123	0.804	ppbv #	1
40) 1,4-Dioxane	7.86	88	711	0.027	ppbv #	1
42) Bromodichloromethane	7.91	83	1239152	9.209	ppbv #	88
43) Methyl Methacrylate	7.81	69	1836	0.027	ppbv #	1
44) 2,2,4-Trimethylpentane	7.90	57	124876	0.434	ppbv #	49
47) 1,1,2-Trichloroethane	9.54	97	142138	2.077	ppbv	94
50) 4-Methyl-2-Pentanone	8.98	43	277784	1.598	ppbv #	54
52) Tetrachloroethene	11.42	164	48272791	839.330	ppbv	90
53) Toluene	9.88	91	863007	5.033	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.39	131	1031398	8.229	ppbv #	63
57) Chlorobenzene	12.42	112	4871	0.022	ppbv #	89
58) Ethyl Benzene	12.90	91	14459	0.042	ppbv	91

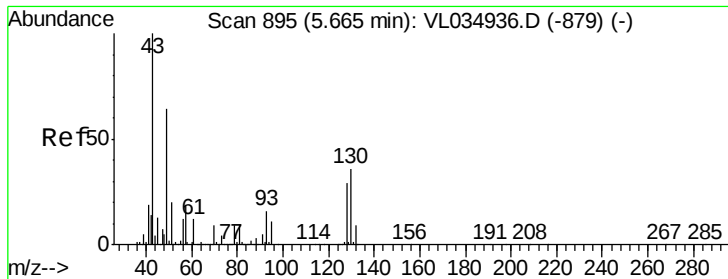
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL035003.D
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) m/p-Xylene	13.19	91	135279	0.447	ppbv #	81
62) Isopropylbenzene	14.81	105	365862	0.821	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

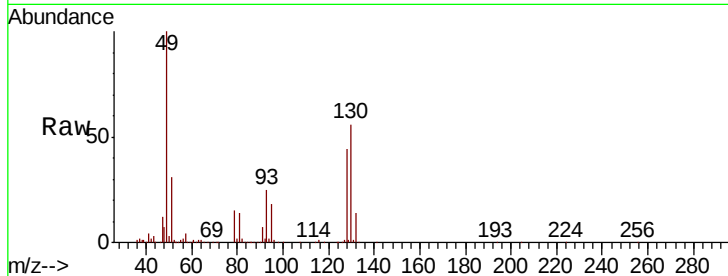
Tot Ion: 49 Resp: 1040960

Ion Ratio Lower Upper

49 100

128 45.1 22.1 66.5

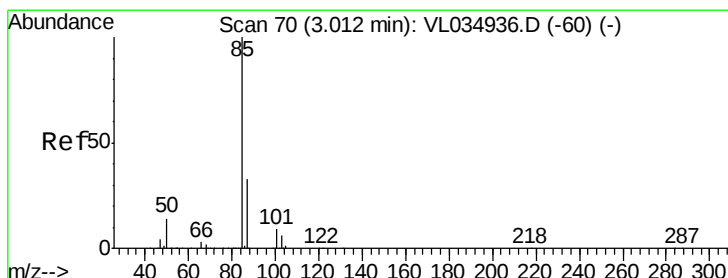
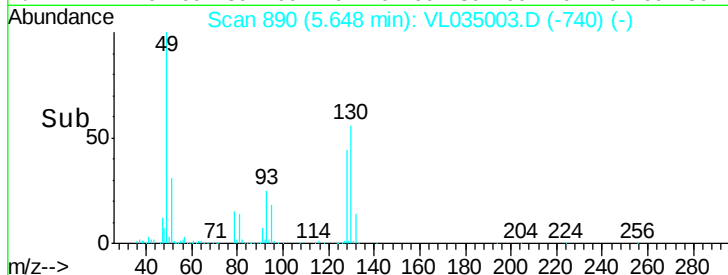
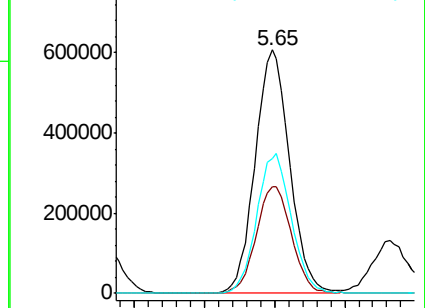
130 57.7 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 0.069 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035003.D

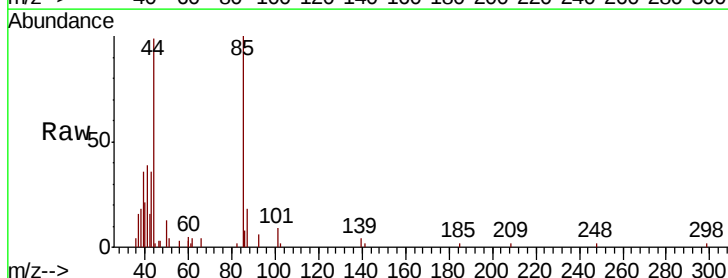
Acq: 13 May 2020 1:29

Tgt Ion: 85 Resp: 10200

Ion Ratio Lower Upper

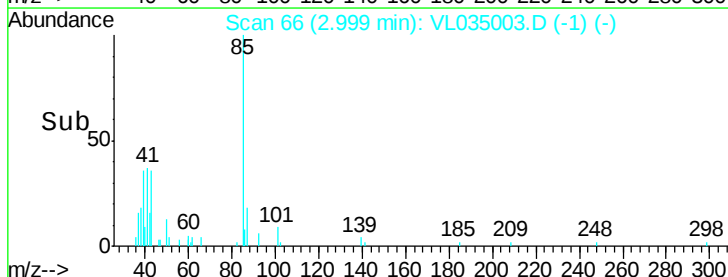
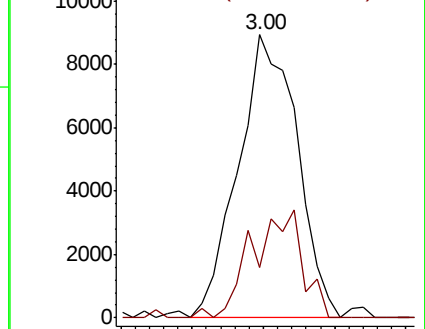
85 100

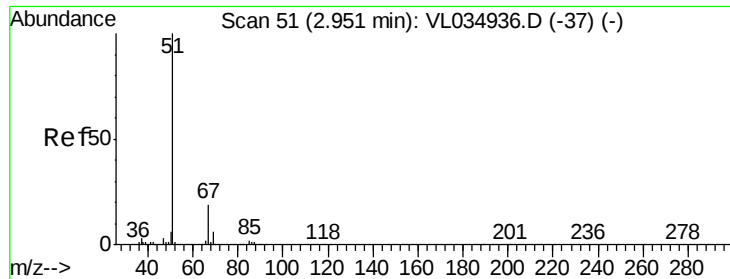
87 17.8 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.352 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

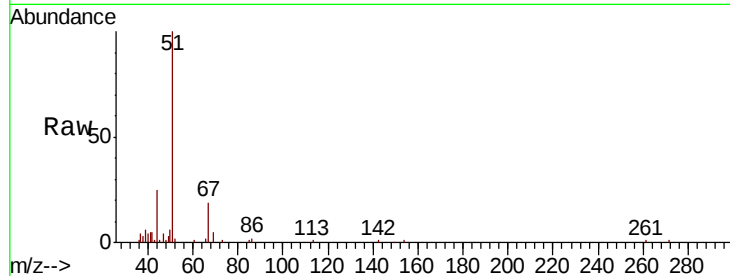
SG-4

Tot Ion: 51 Resp: 41891

Ion Ratio Lower Upper

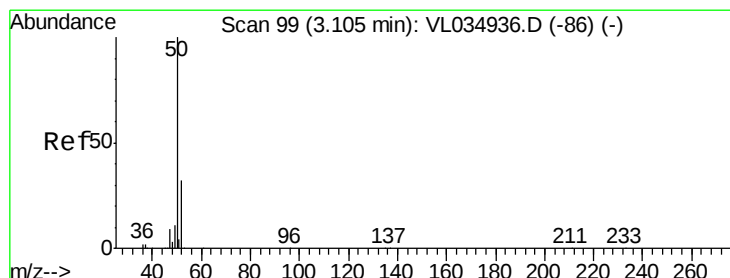
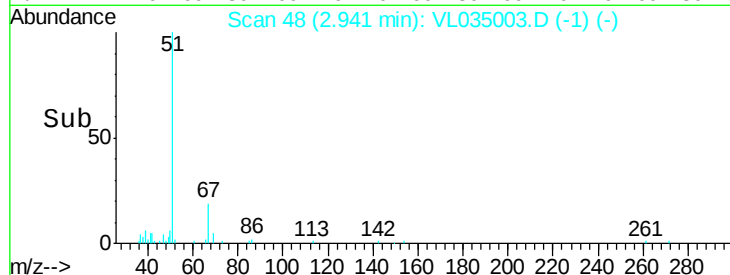
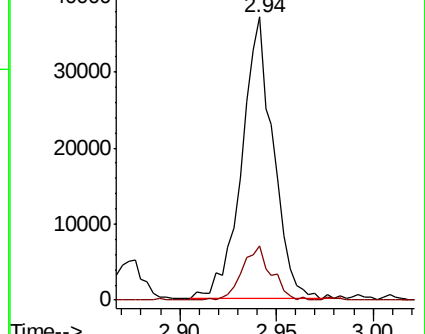
51 100

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: 0.058 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035003.D

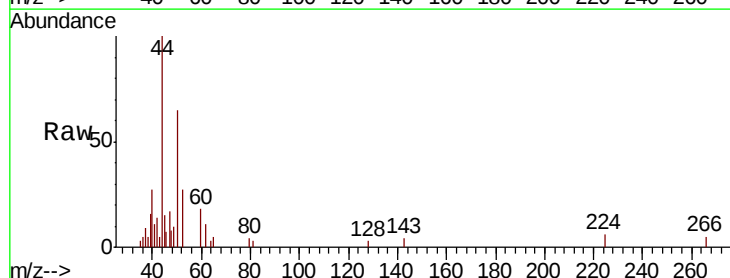
Acq: 13 May 2020 1:29

Tgt Ion: 50 Resp: 3934

Ion Ratio Lower Upper

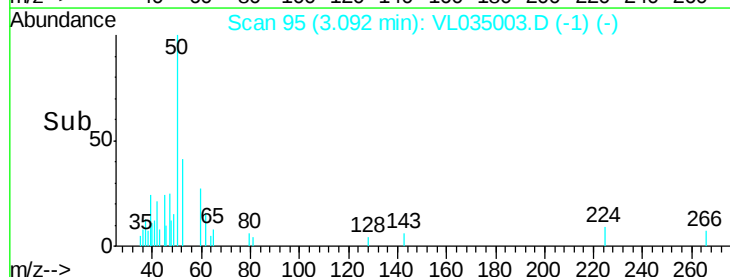
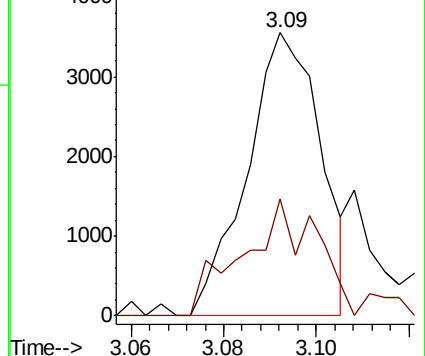
50 100

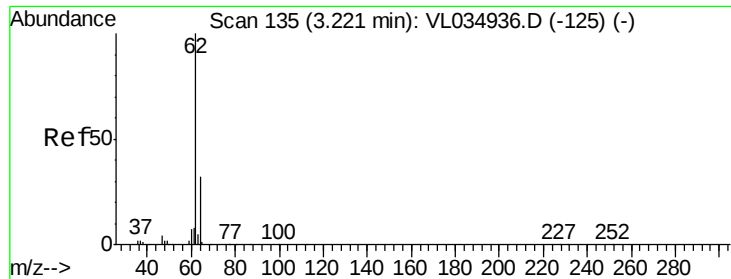
52 41.4 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.153 ppbv

RT: 3.21 min Scan# 131

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

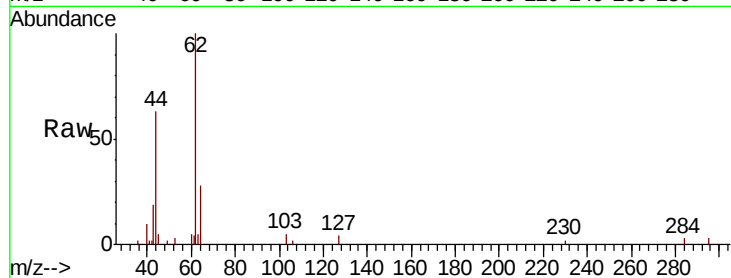
SG-4

Tot Ion: 62 Resp: 10155

Ion Ratio Lower Upper

62 100

64 27.6 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

8000

6000

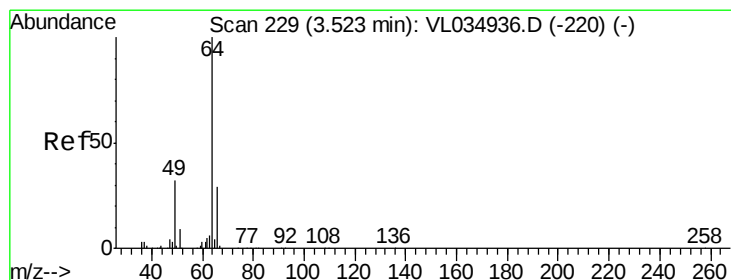
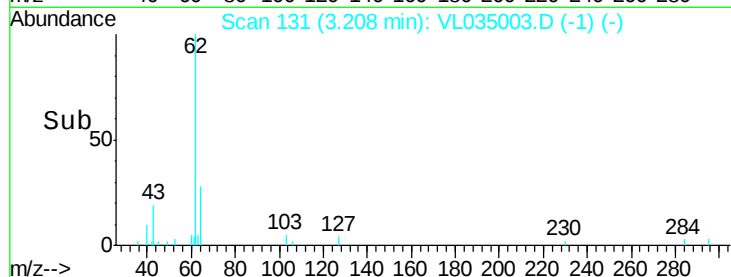
4000

2000

0

Time-->

3.18 3.20 3.22 3.24



#7

Chloroethane

Concen: 0.070 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL035003.D

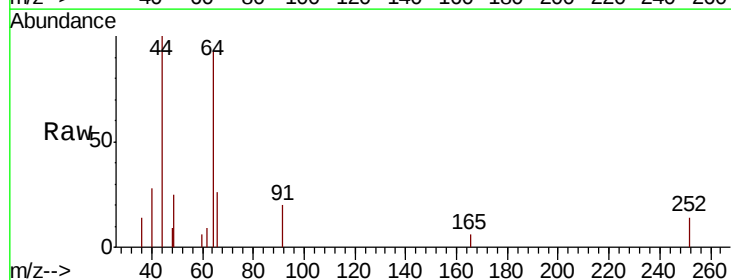
Acq: 13 May 2020 1:29

Tgt Ion: 64 Resp: 1667

Ion Ratio Lower Upper

64 100

66 27.7 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.51

3000

2500

2000

1500

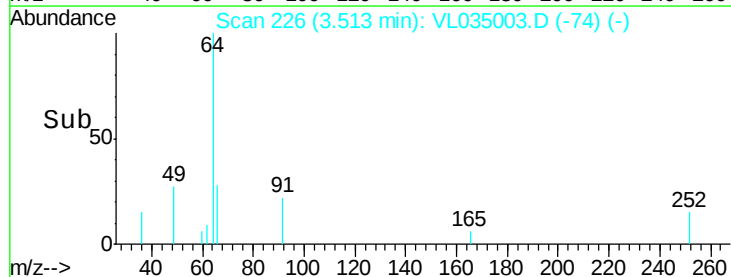
1000

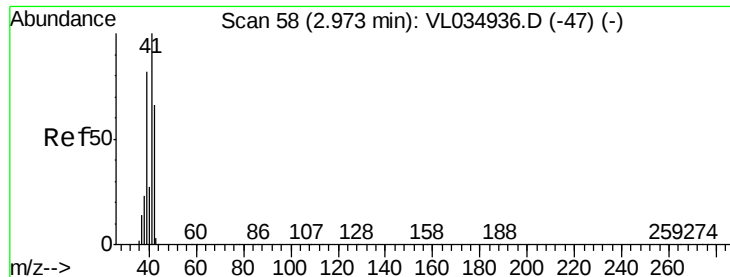
500

0

Time-->

3.50 3.51 3.52 3.53





#9

Propene

Concen: 1.411 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.18 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

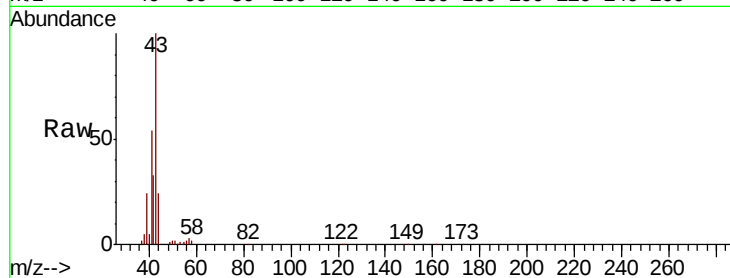
SG-4

Tot Ion: 41 Resp: 72764

Ion Ratio Lower Upper

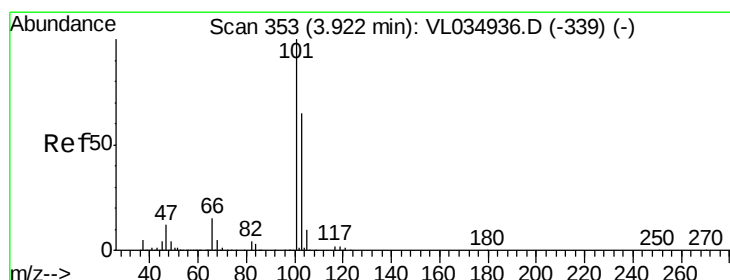
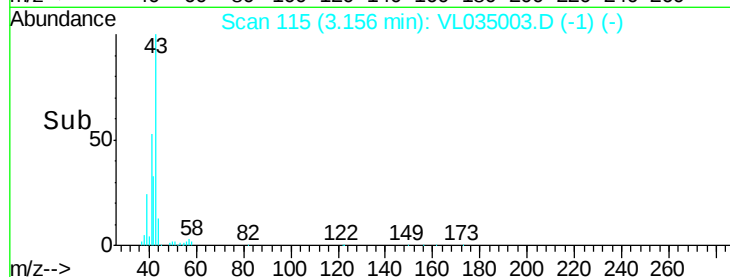
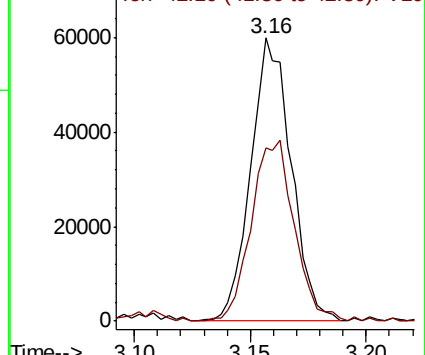
41 100

42 68.1 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.041 ppbv

RT: 3.91 min Scan# 350

Delta R.T. -0.01 min

Lab File: VL035003.D

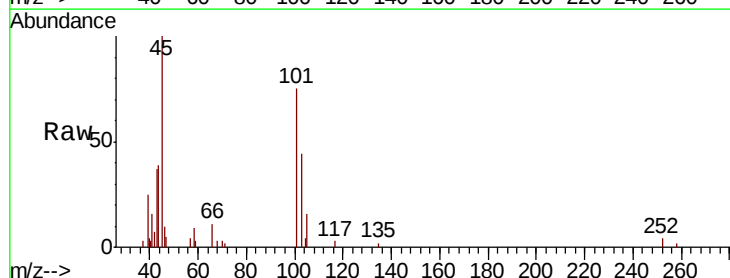
Acq: 13 May 2020 1:29

Tgt Ion: 101 Resp: 6214

Ion Ratio Lower Upper

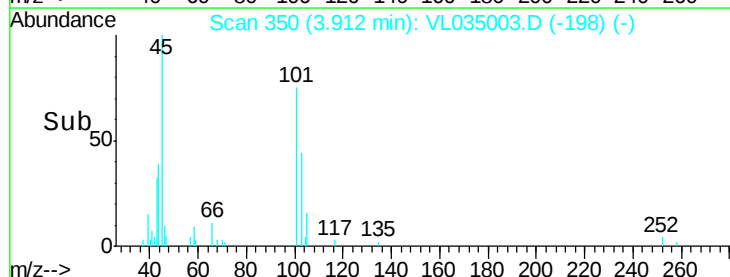
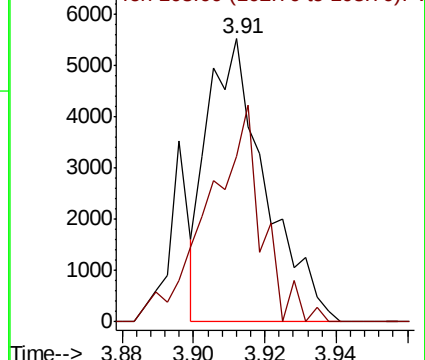
101 100

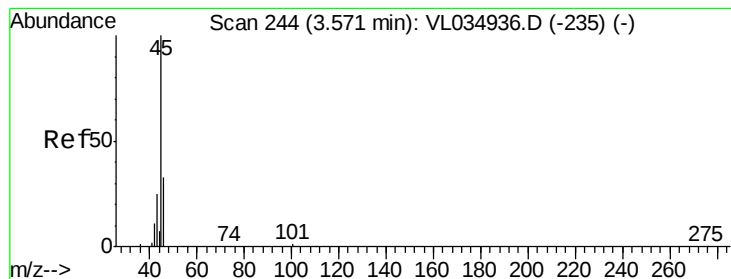
103 58.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Ethanol

Concen: 11.829 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

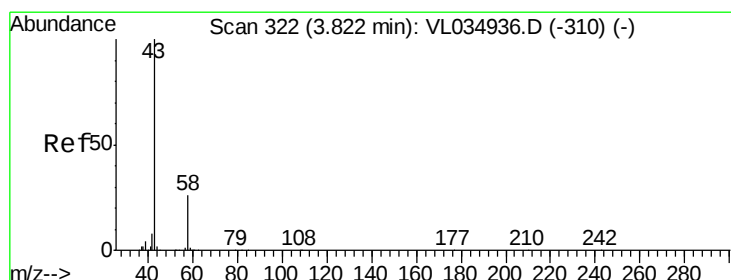
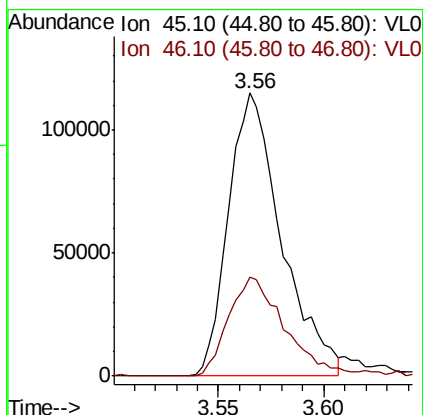
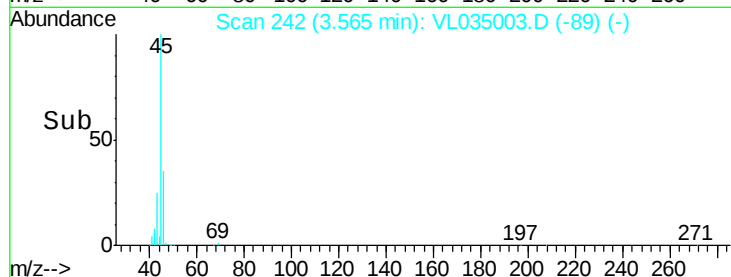
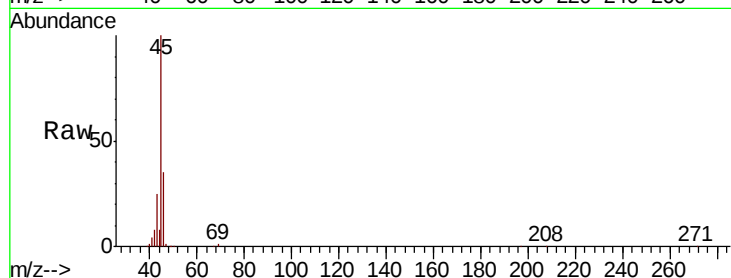
SG-4

Tot Ion: 45 Resp: 201303

Ion Ratio Lower Upper

45 100

46 38.0 14.3 57.3



#15

Acetone

Concen: 3.874 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL035003.D

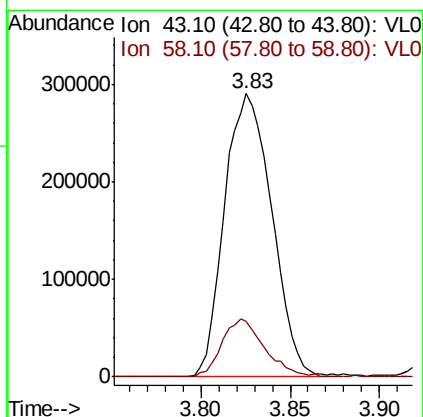
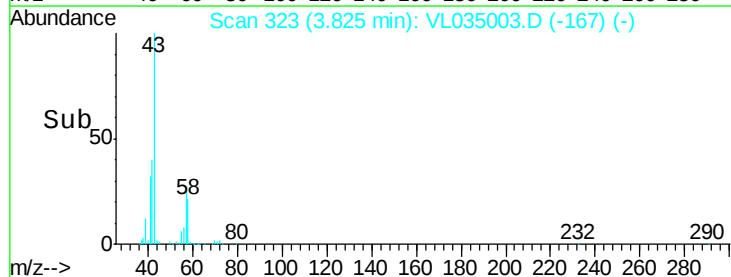
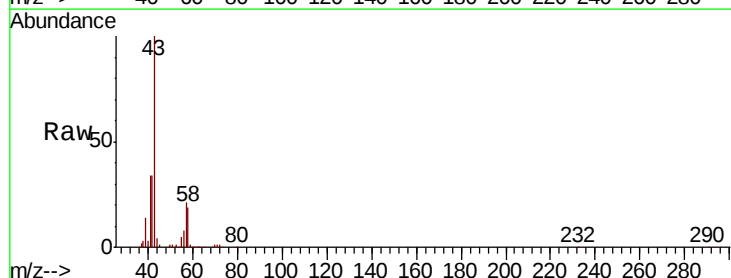
Acq: 13 May 2020 1:29

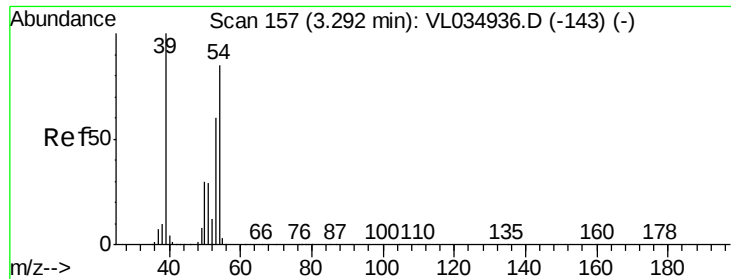
Tgt Ion: 43 Resp: 533118

Ion Ratio Lower Upper

43 100

58 18.7 21.7 32.5#





#16

1,3-Butadiene

Concen: 2.327 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.03 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

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ClientSampleId :

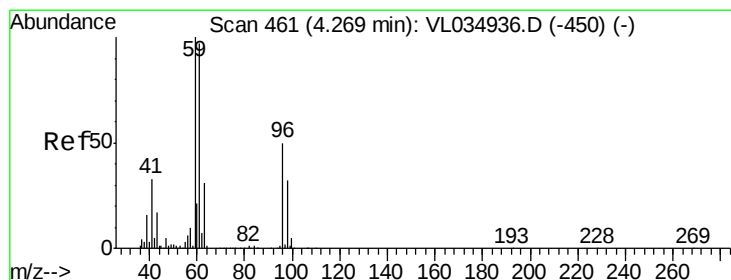
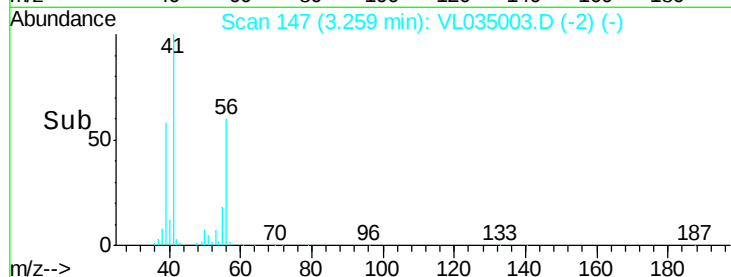
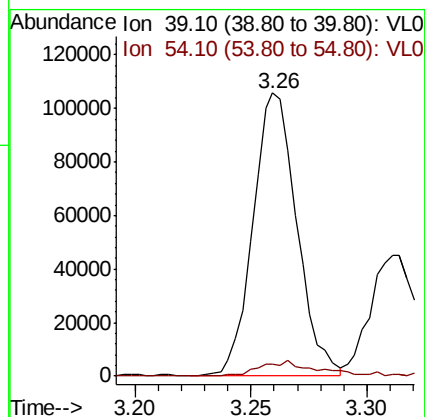
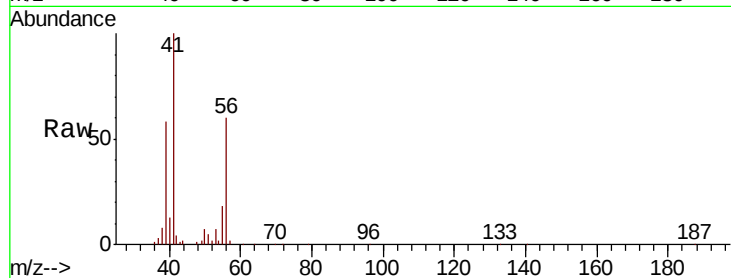
SG-4

Tot Ion: 39 Resp: 137796

Ion Ratio Lower Upper

39 100

54 7.5 66.6 100.0#



#17

tert-Butyl alcohol

Concen: 0.378 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.02 min

Lab File: VL035003.D

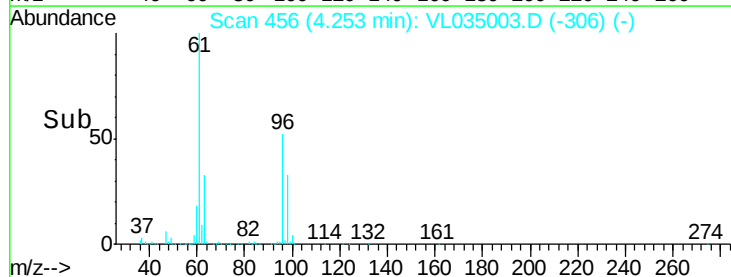
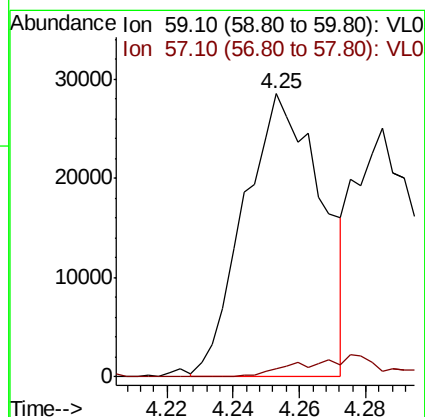
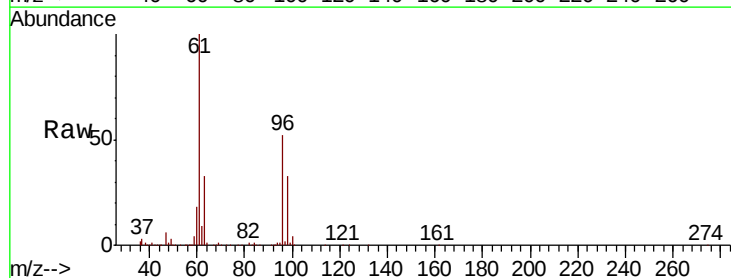
Acq: 13 May 2020 1:29

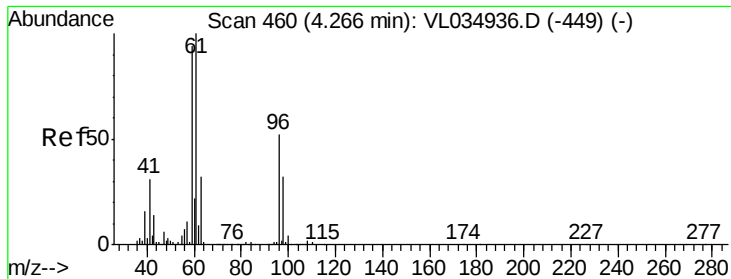
Tgt Ion: 59 Resp: 46284

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#





#18

1,1-Dichloroethene

Concen: 11.518 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

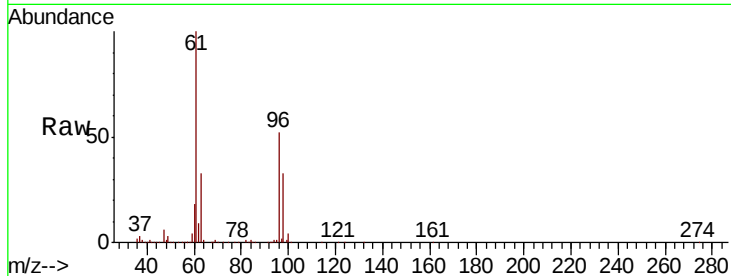
Tot Ion: 96 Resp: 542004

Ion Ratio Lower Upper

96 100

61 191.7 152.4 228.6

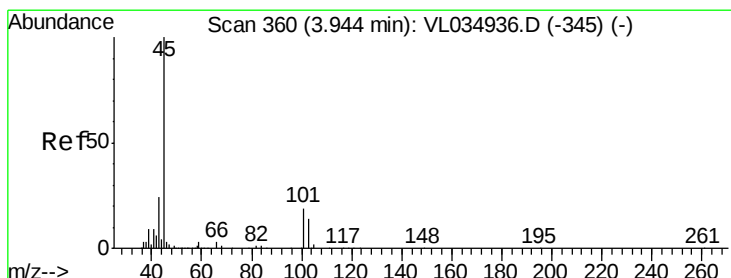
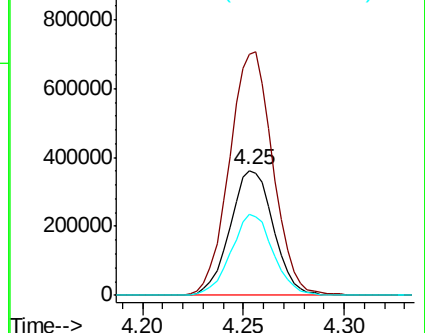
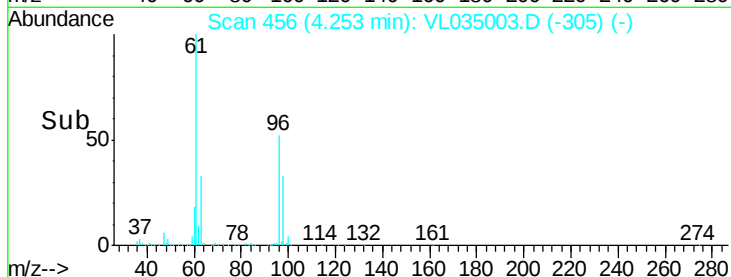
98 64.1 48.8 73.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 3.531 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.01 min

Lab File: VL035003.D

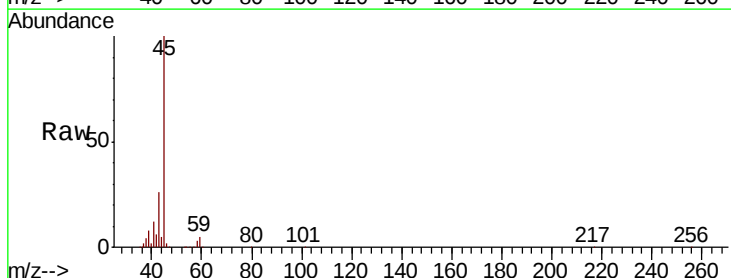
Acq: 13 May 2020 1:29

Tgt Ion: 45 Resp: 324028

Ion Ratio Lower Upper

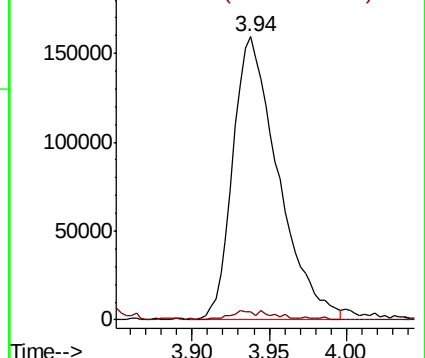
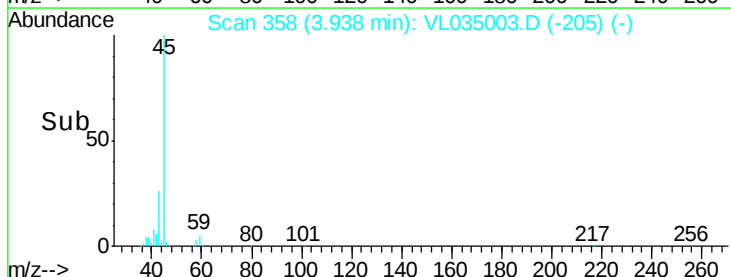
45 100

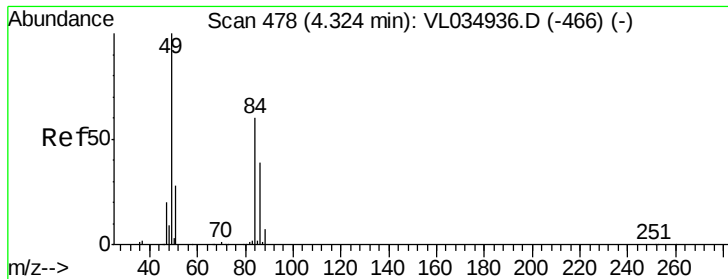
58 3.0 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

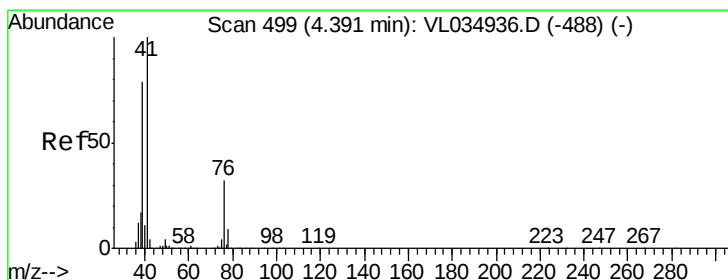
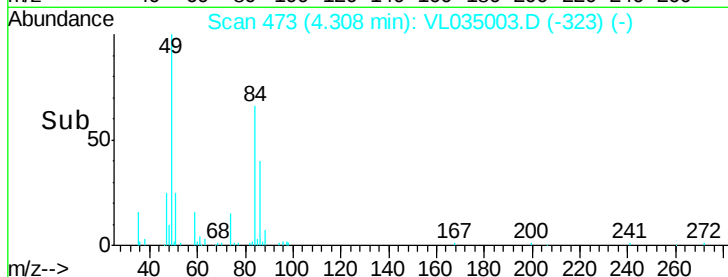
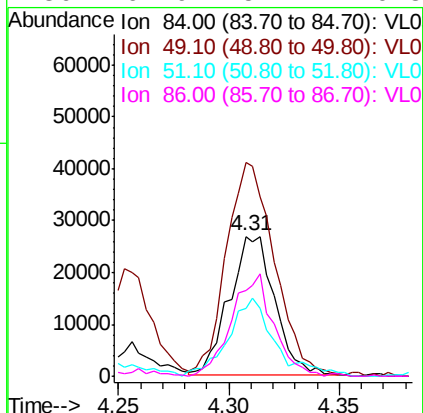
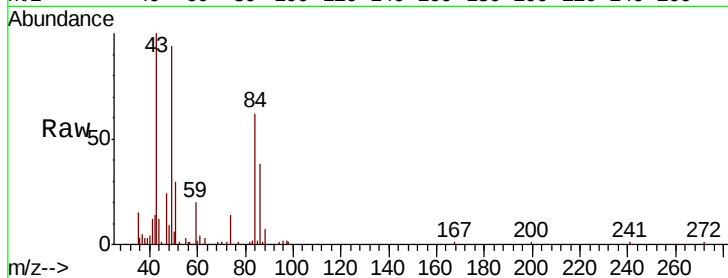




#20
Methylene Chloride
Concen: 0.838 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

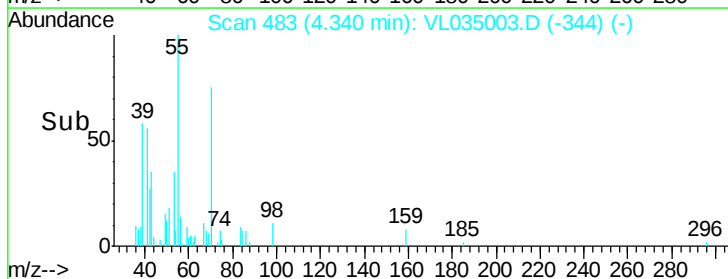
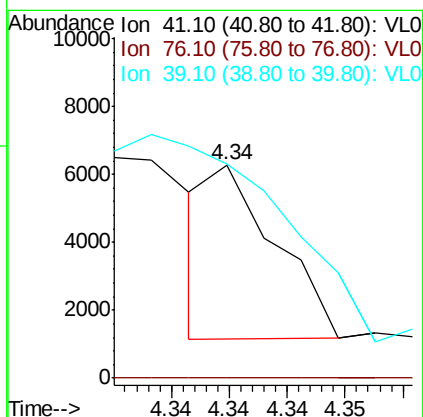
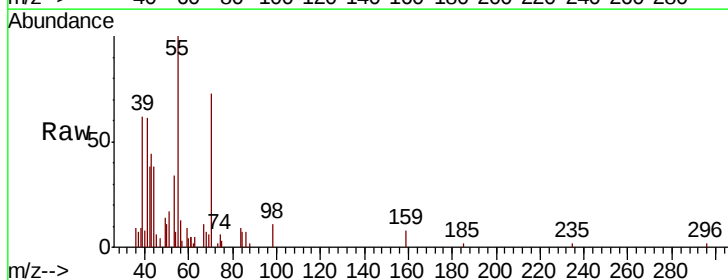
Instrument :
MSVOA_L
ClientSampled :
SG-4

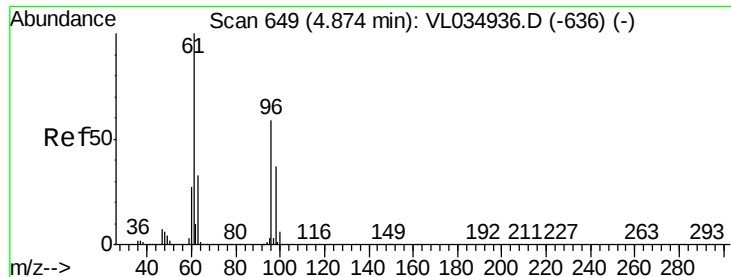
Tot Ion:	84	Resp:	38185
Ion	Ratio	Lower	Upper
84	100		
49	152.4	132.5	198.7
51	46.2	38.4	57.6
86	61.9	51.2	76.8



#21
Allyl Chloride
Concen: 0.026 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.05 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion:	41	Resp:	2003
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.6	35.4#
39	0.0	61.9	92.9#





#22

trans-1,2-Dichloroethene

Concen: 4.849 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.02 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

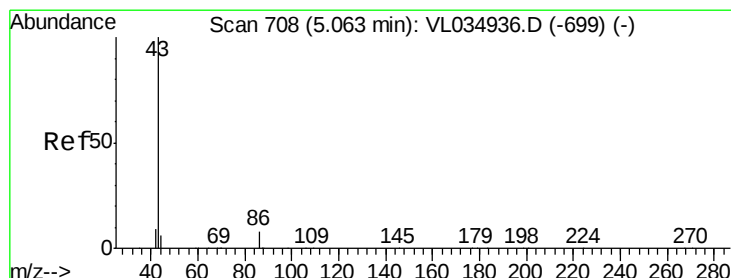
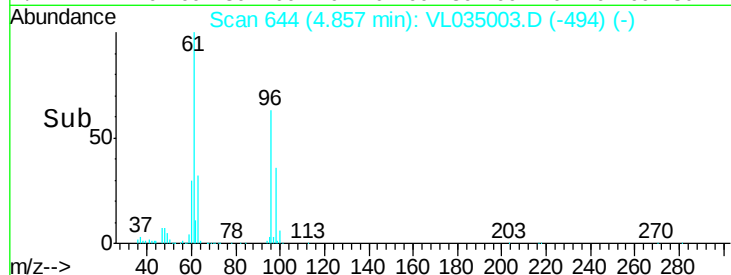
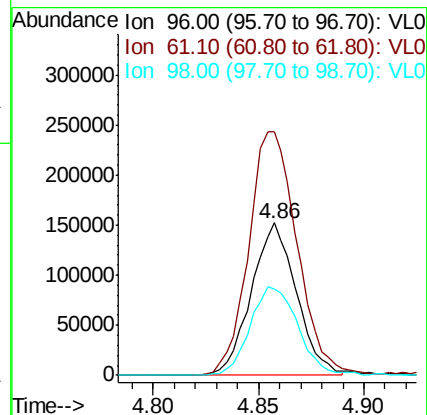
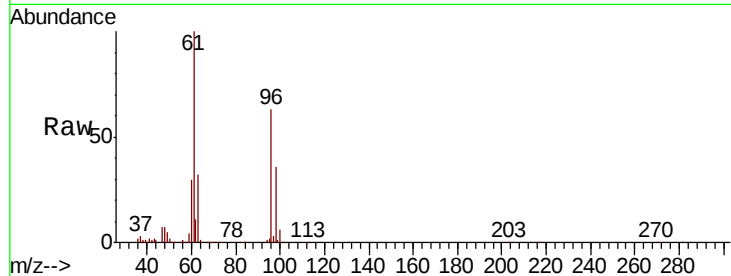
Tot Ion: 96 Resp: 226023

Ion Ratio Lower Upper

96 100

61 159.2 135.3 202.9

98 56.7 50.4 75.6



#23

Vinyl Acetate

Concen: 0.908 ppbv

RT: 5.03 min Scan# 697

Delta R.T. -0.04 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Tgt Ion: 43 Resp: 158492

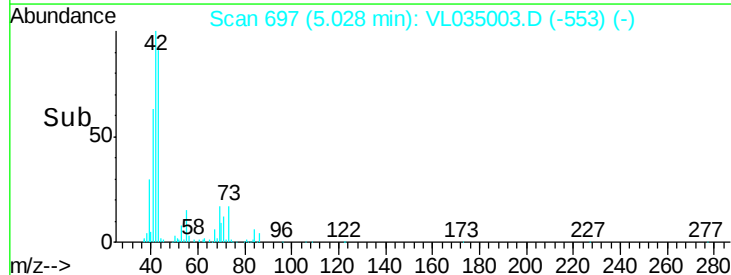
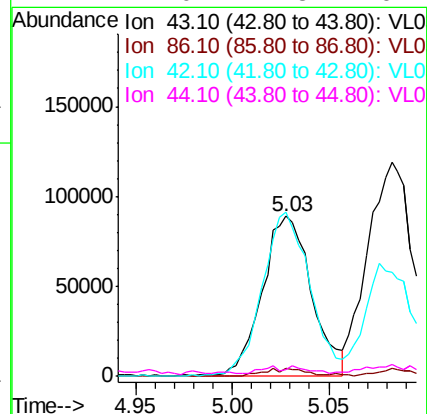
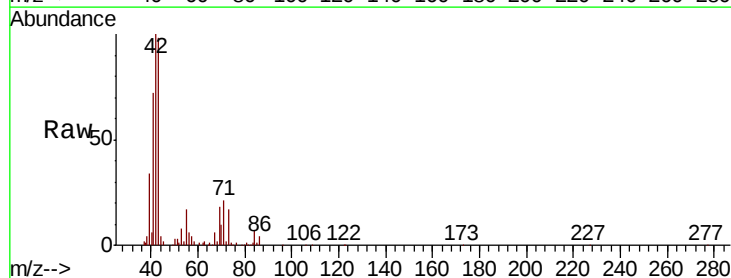
Ion Ratio Lower Upper

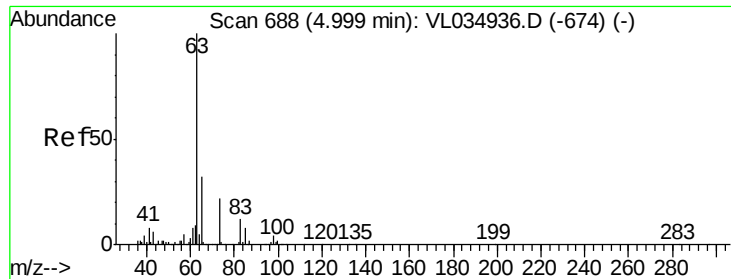
43 100

86 4.5 5.5 8.3#

42 101.9 8.0 12.0#

44 2.0 4.5 6.7#





#24

1,1-Dichloroethane

Concen: 0.058 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.02 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

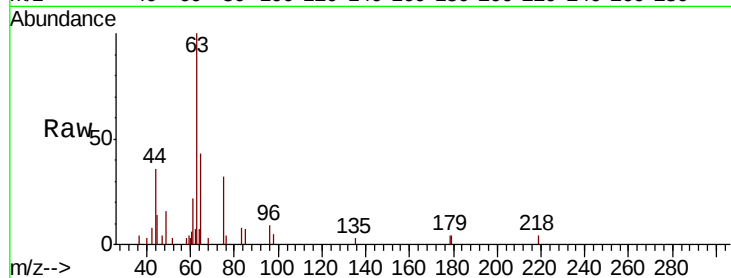
Tot Ion: 63 Resp: 7769

Ion Ratio Lower Upper

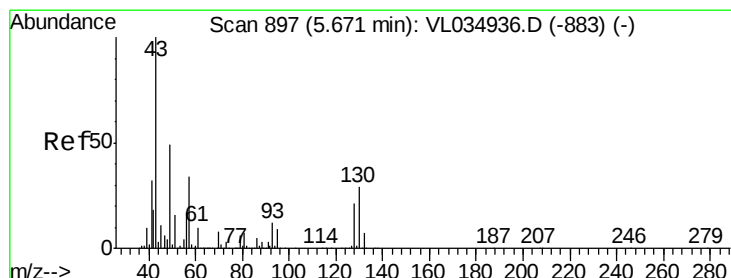
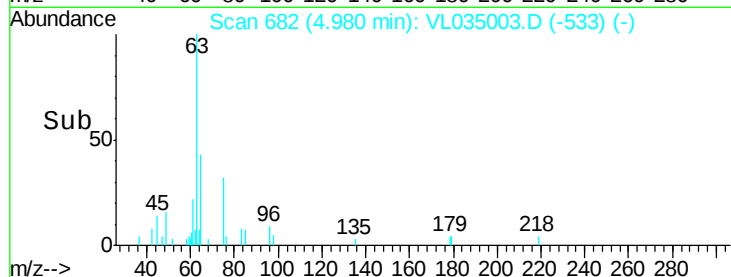
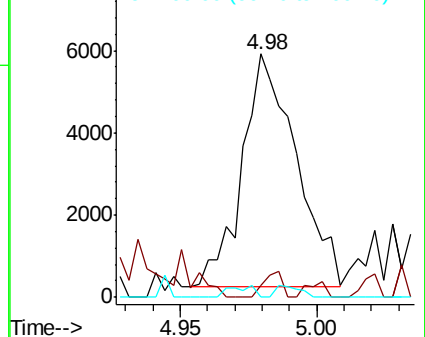
63 100

98 4.9 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



#25

Ethyl Acetate

Concen: 0.480 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Tgt Ion: 43 Resp: 110943

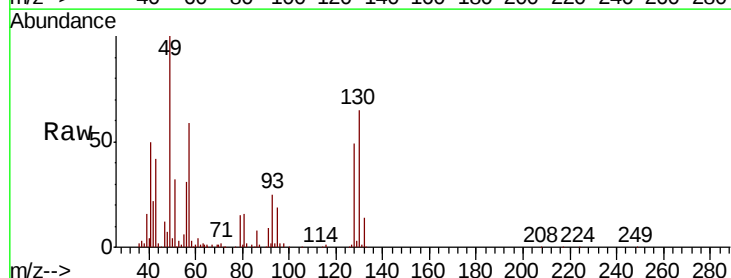
Ion Ratio Lower Upper

43 100

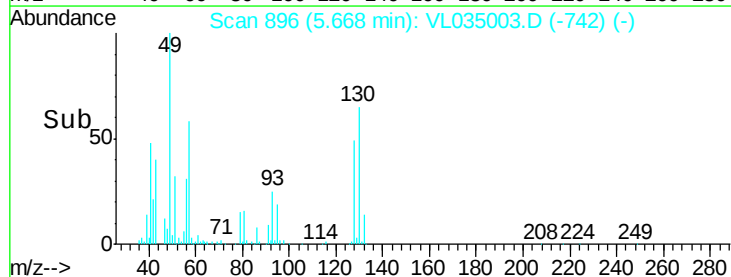
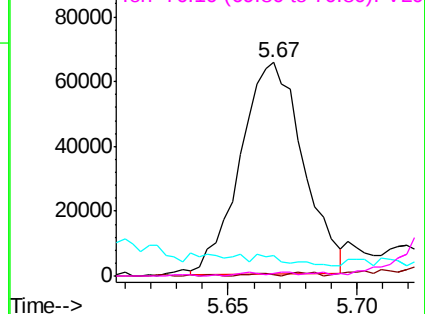
45 1.4 8.1 12.1#

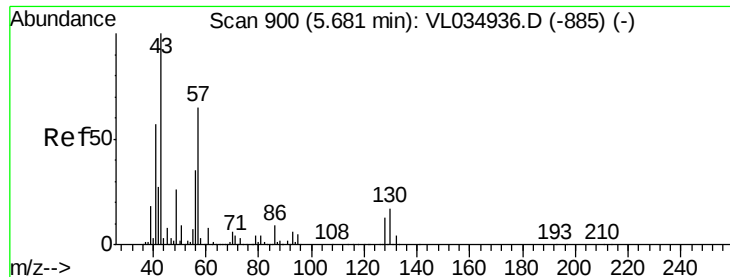
61 0.0 7.8 11.8#

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: 1.531 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion: 57 Resp: 153393

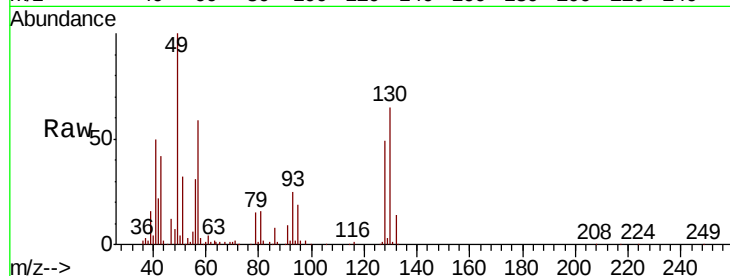
Ion Ratio Lower Upper

57 100

41 92.4 72.7 109.1

43 79.4 182.1 273.1#

56 55.5 42.2 63.2

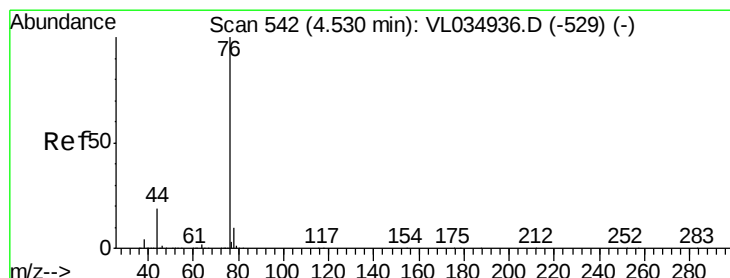
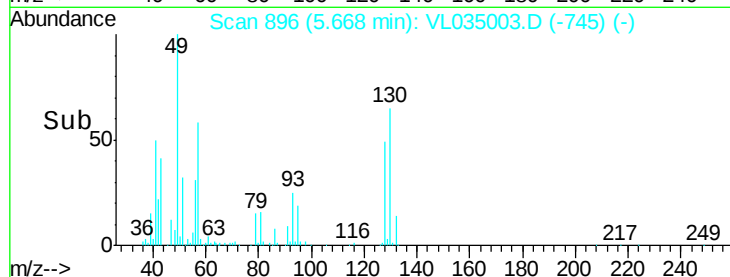
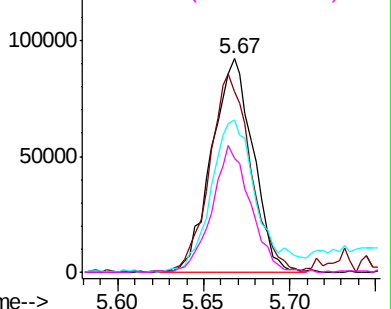


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.028 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

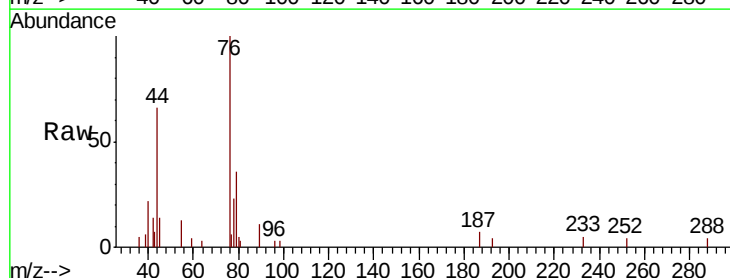
Tgt Ion: 76 Resp: 3322

Ion Ratio Lower Upper

76 100

44 0.0 15.2 22.8#

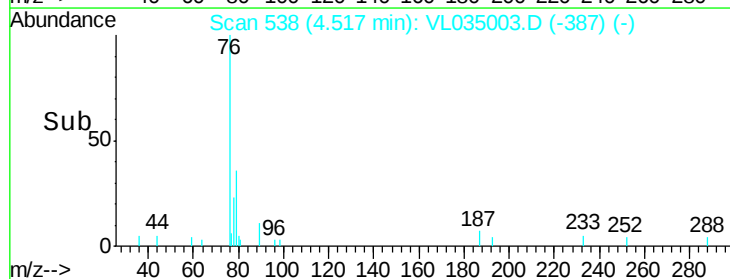
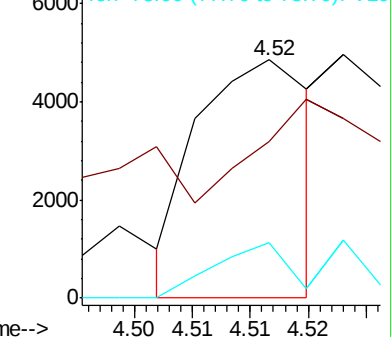
78 0.0 7.7 11.5#

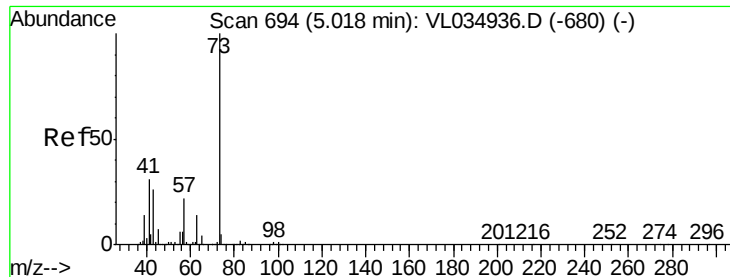


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



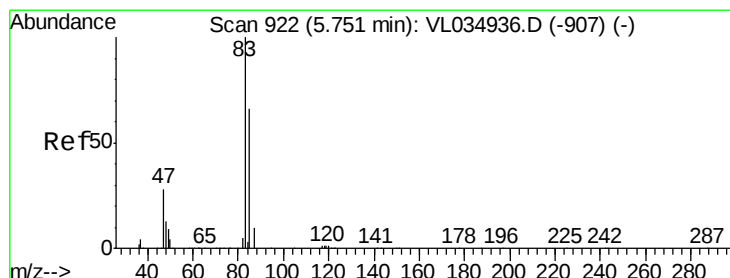
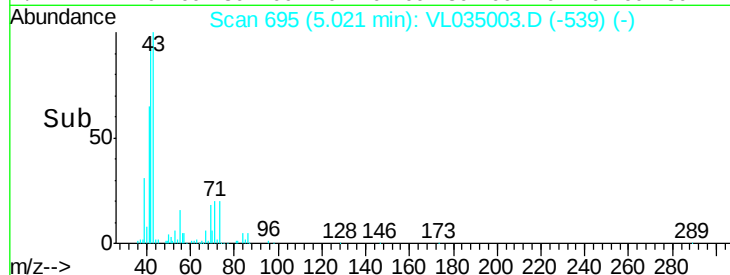
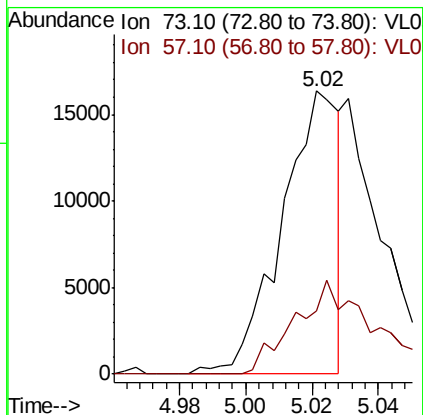
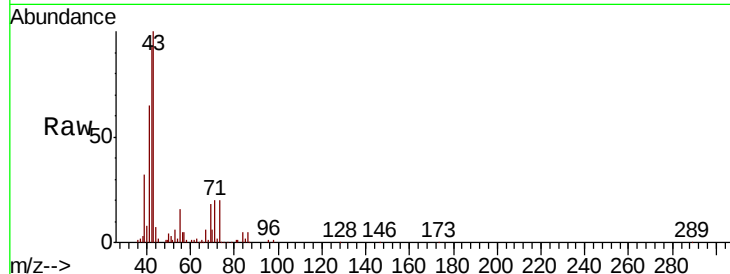


#28

Methvl tert-Butvl Ether
 Concen: 0.128 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VL035003.D
 Acq: 13 May 2020 1:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

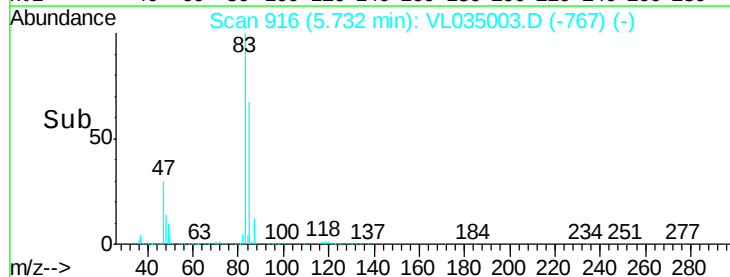
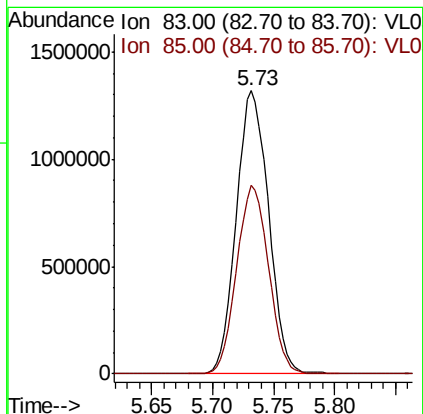
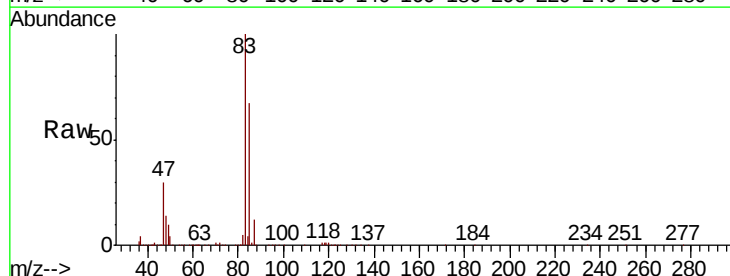
Tot Ion: 73 Resp: 19480
 Ion Ratio Lower Upper
 73 100
 57 46.8 18.3 27.5#

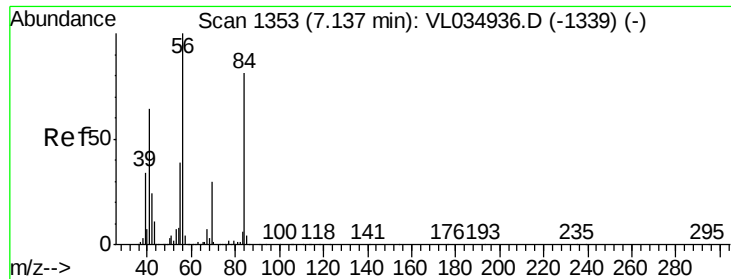


#29

Chloroform
 Concen: 14.739 ppbv
 RT: 5.73 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VL035003.D
 Acq: 13 May 2020 1:29

Tgt Ion: 83 Resp: 2416869
 Ion Ratio Lower Upper
 83 100
 85 66.7 53.0 79.6

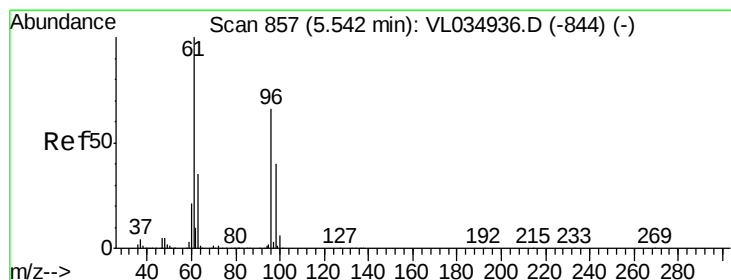
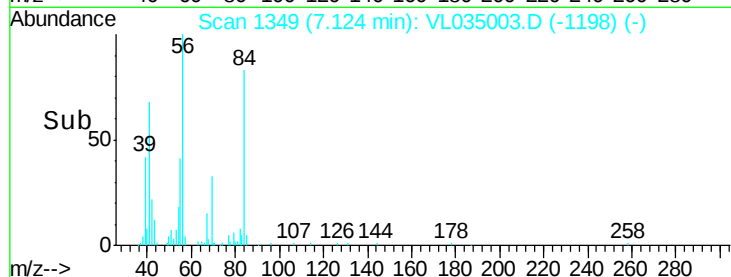
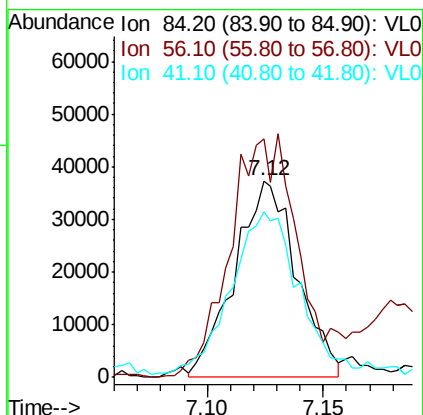
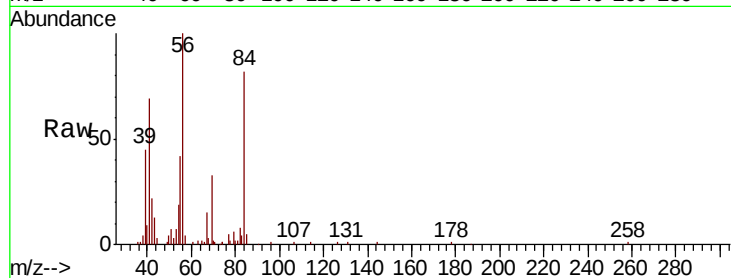




#30
Cvclohexane
Concen: 0.904 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

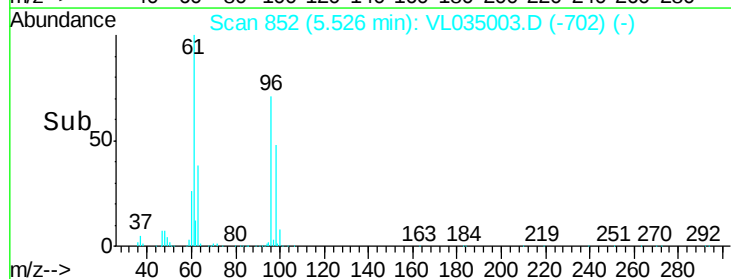
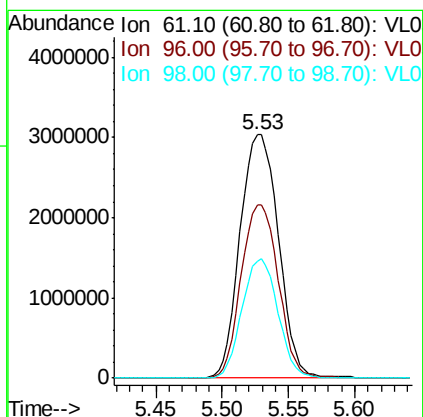
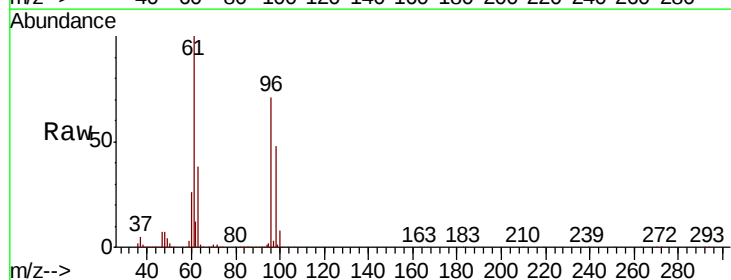
Instrument :
MSVOA_L
ClientSampleId :
SG-4

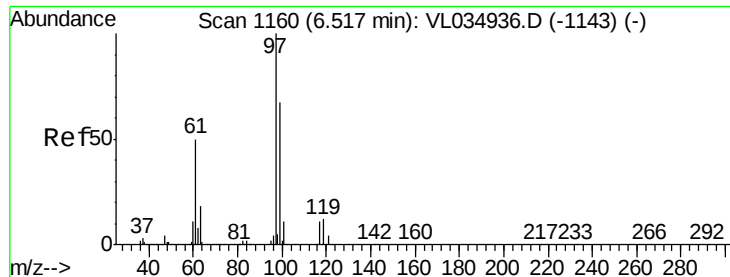
Tot Ion: 84 Resp: 69949
Ion Ratio Lower Upper
84 100
56 133.9 111.4 167.2
41 88.9 66.7 100.1



#31
cis-1,2-Dichloroethene
Concen: 62.690 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion: 61 Resp: 6129930
Ion Ratio Lower Upper
61 100
96 71.1 53.0 79.6
98 48.2 32.2 48.2





#32

1,1,1-Trichloroethane

Concen: 1.824 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

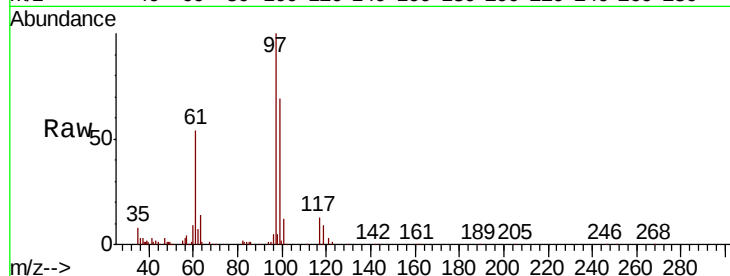
Tot Ion: 97 Resp: 270128

Ion Ratio Lower Upper

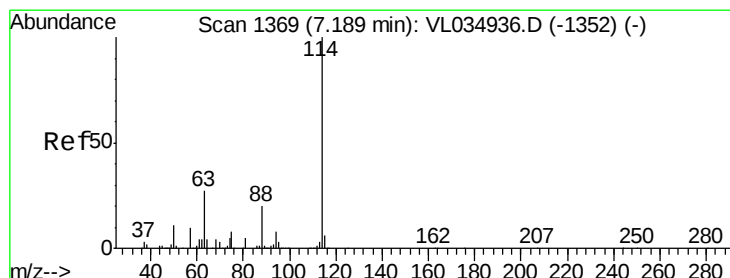
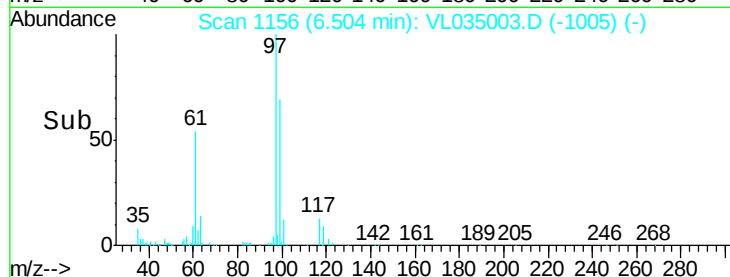
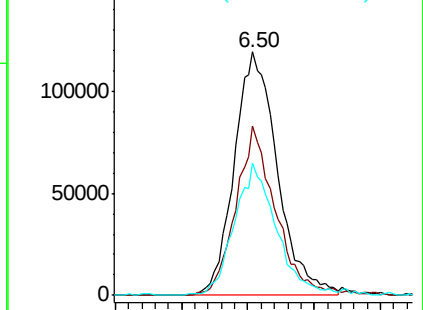
97 100

99 64.5 52.1 78.1

61 53.8 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# 1371

Delta R.T. 0.01 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

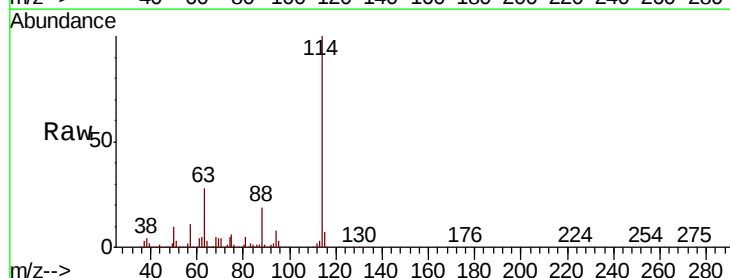
Tgt Ion: 114 Resp: 1961828

Ion Ratio Lower Upper

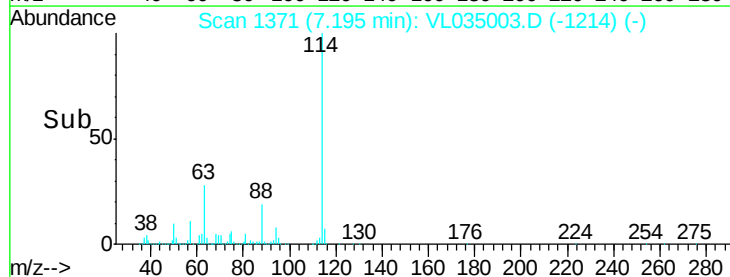
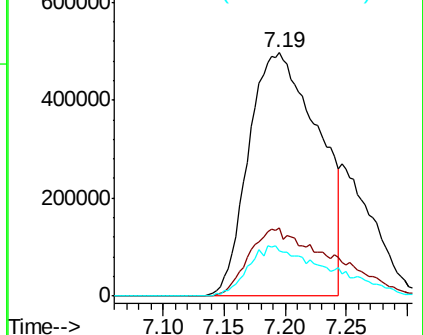
114 100

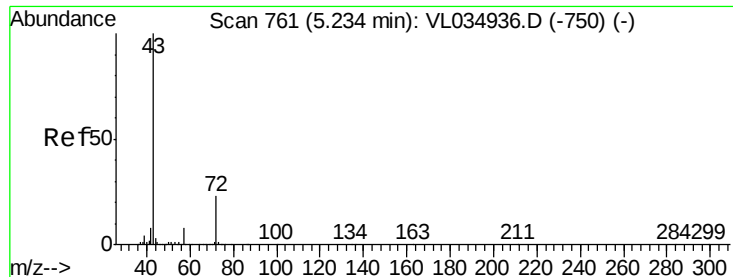
63 33.9 22.2 33.4#

88 24.1 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

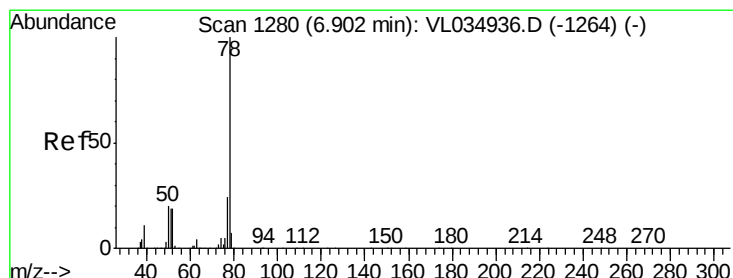
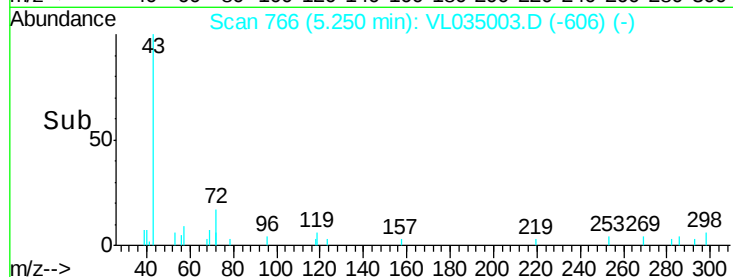
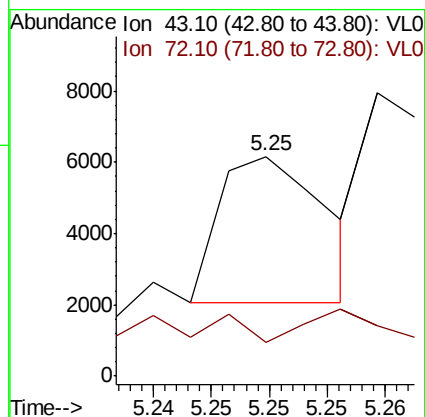
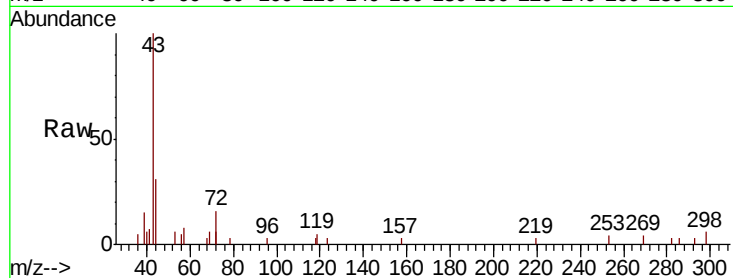




#34
2-Butanone
Concen: 0.021 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.02 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

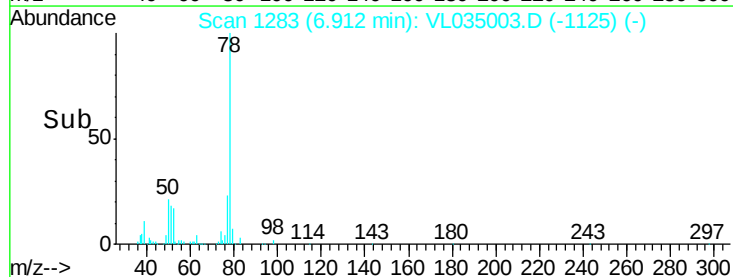
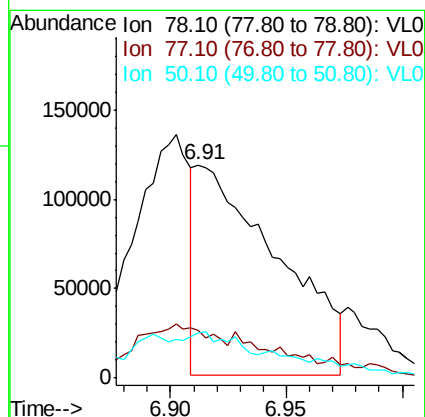
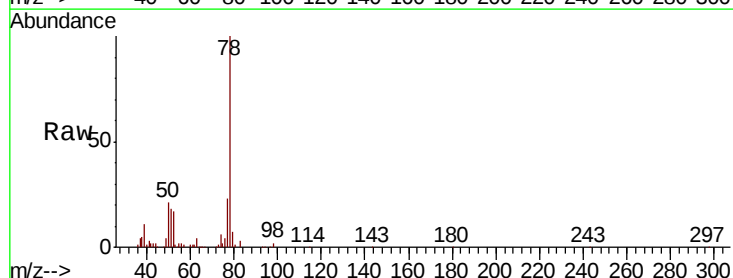
Instrument :
MSVOA_L
ClientSampled :
SG-4

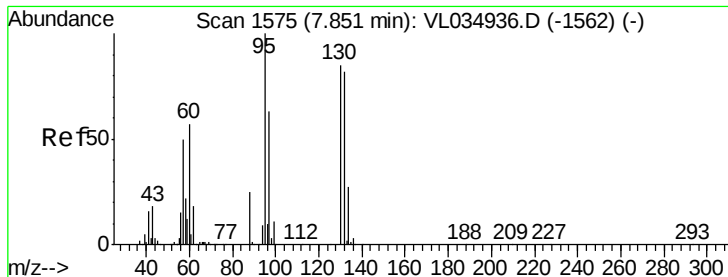
Tot Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
72 81.6 18.0 27.0#



#36
Benzene
Concen: 1.769 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion: 78 Resp: 286201
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6
50 22.4 15.8 23.8





#38

Trichloroethene

Concen: 659.466 ppbv

RT: 7.95 min Scan# 1605

Delta R.T. 0.10 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion:130 Resp:41322824

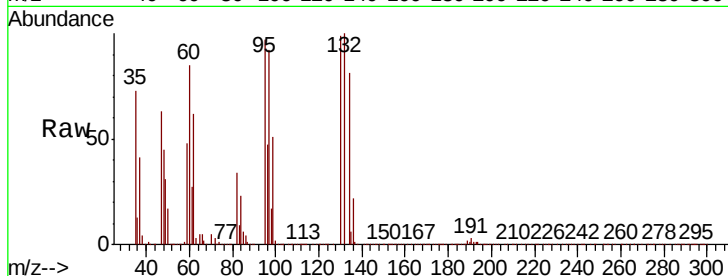
Ion Ratio Lower Upper

130 100

95 98.1 93.4 140.0

132 100.7 76.4 114.6

97 92.4 58.5 87.7#

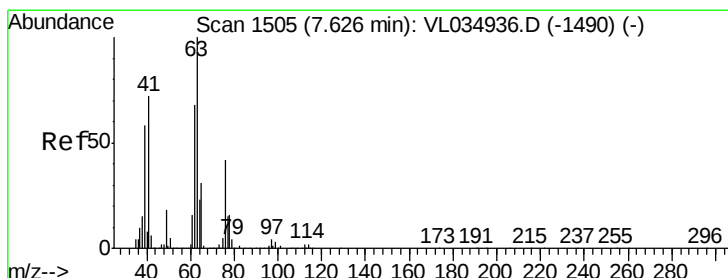
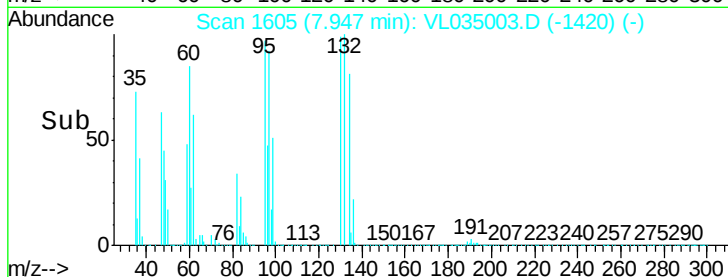
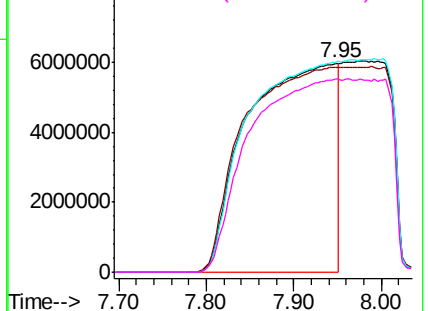


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.804 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.22 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

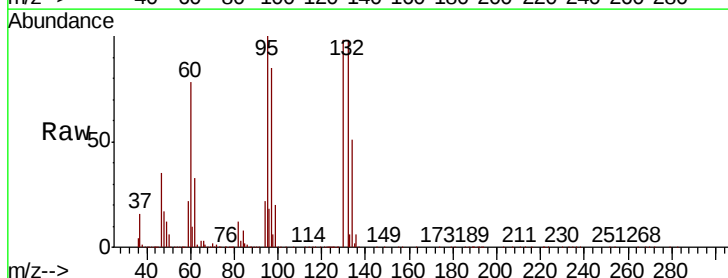
Tgt Ion: 63 Resp: 52123

Ion Ratio Lower Upper

63 100

41 12.4 57.8 86.8#

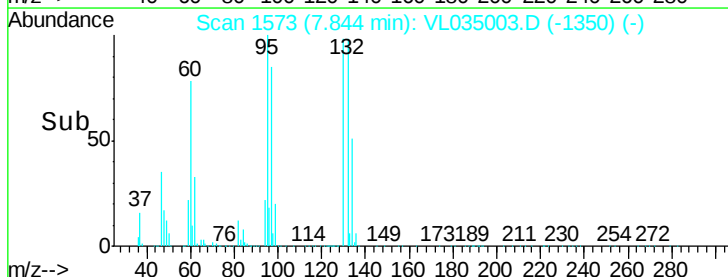
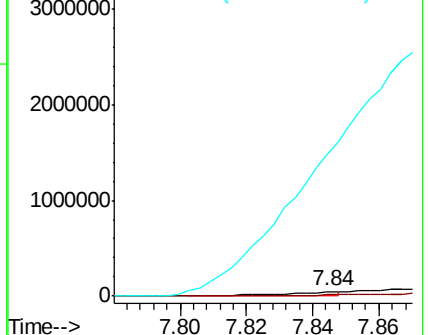
62 3300.8 54.2 81.2#

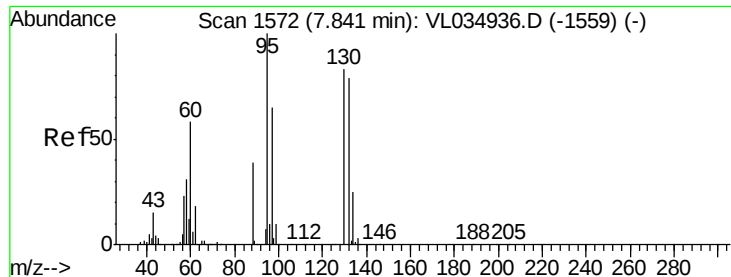


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

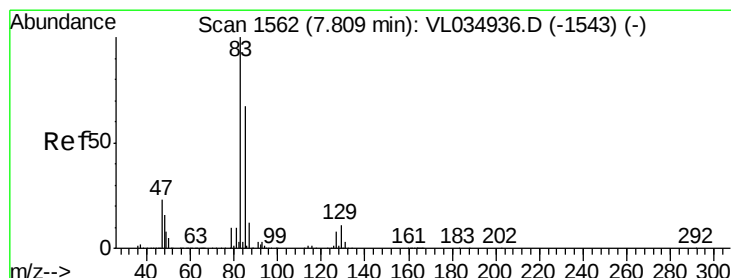
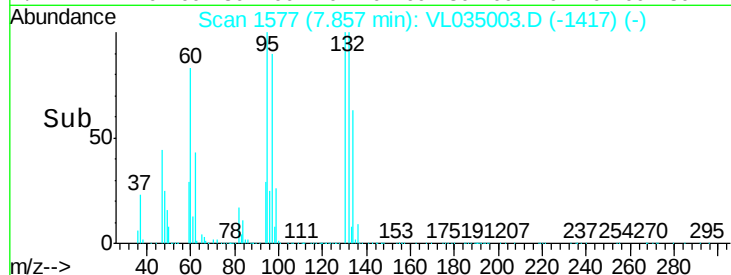
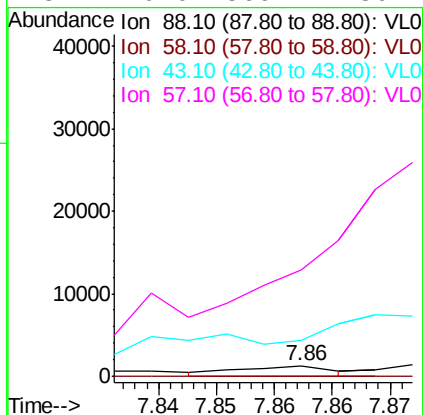
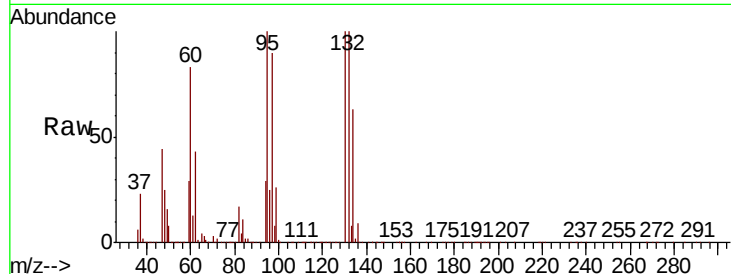




#40
1,4-Dioxane
Concen: 0.027 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.02 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

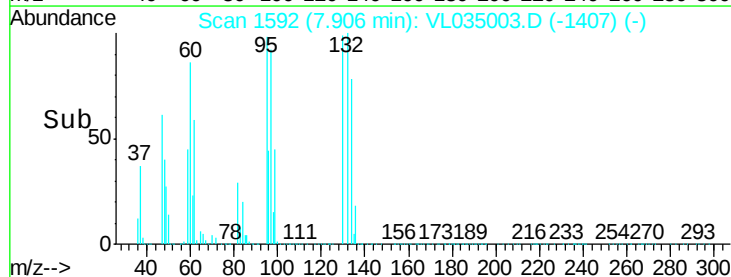
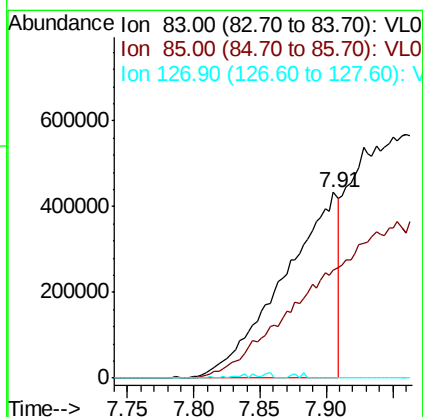
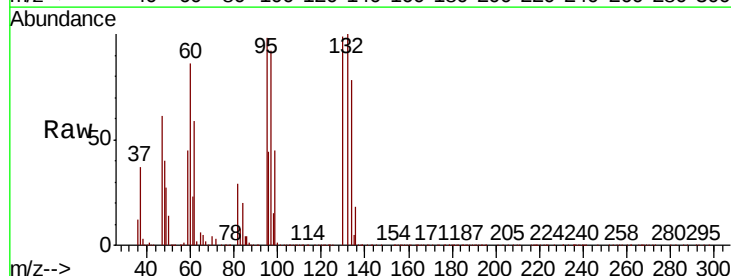
Instrument :
MSVOA_L
ClientSampleId :
SG-4

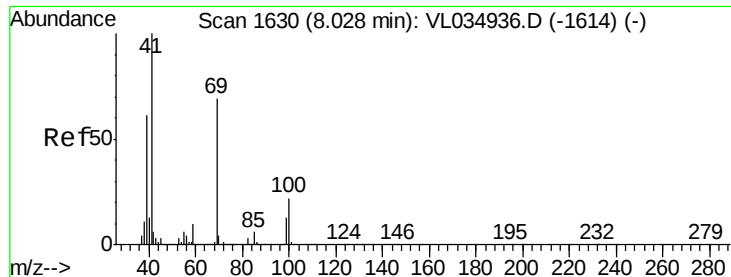
Tot Ion: 88 Resp: 711
Ion Ratio Lower Upper
88 100
58 0.0 105.1 157.7#
43 0.0 202.6 303.8#
57 0.0 869.4 1304.0#



#42
Bromodichloromethane
Concen: 9.209 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.10 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion: 83 Resp: 1239152
Ion Ratio Lower Upper
83 100
85 58.4 53.4 80.0
127 0.0 6.1 9.1#

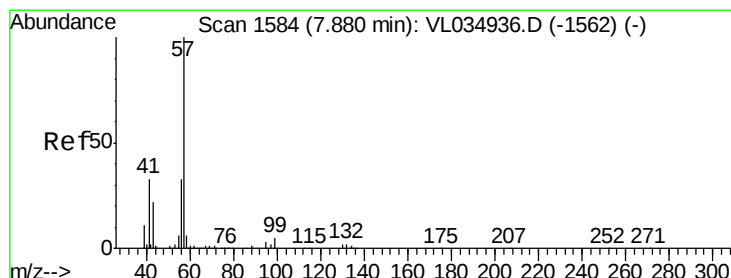
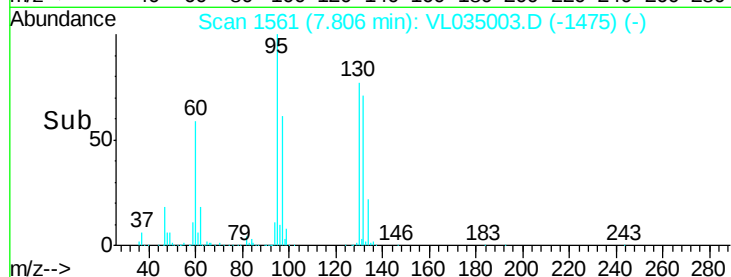
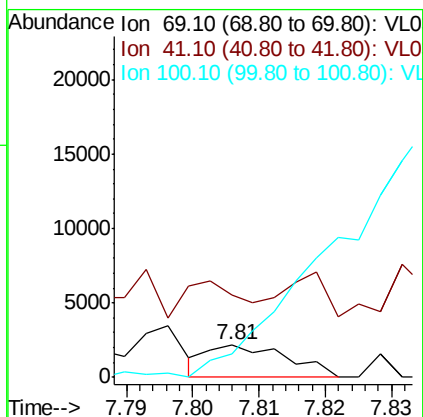
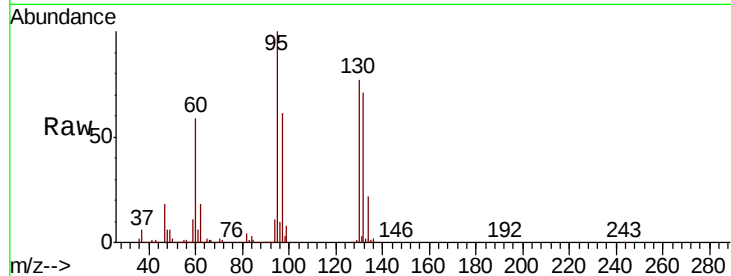




#43
Methyl Methacrylate
Concen: 0.027 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.22 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

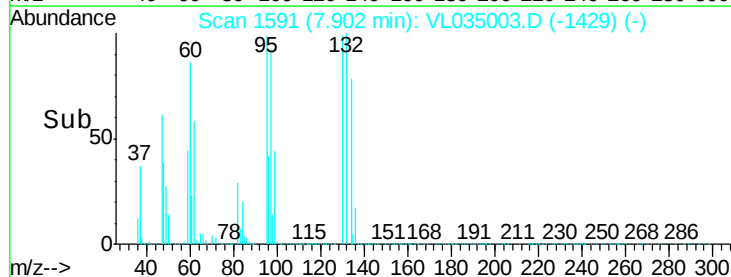
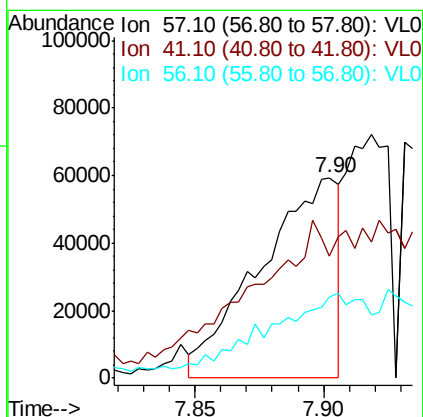
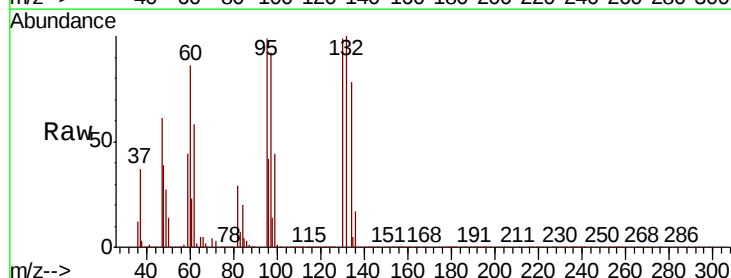
Instrument :
MSVOA_L
ClientSampleID :
SG-4

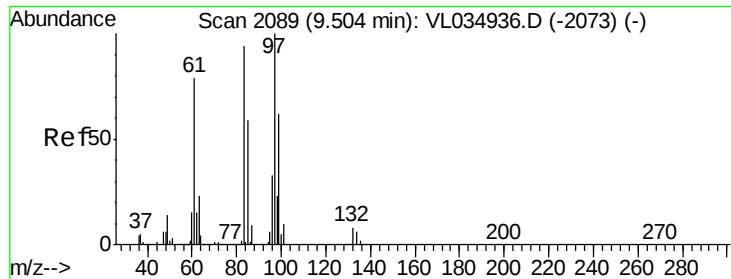
Tot Ion: 69 Resp: 1836
Ion Ratio Lower Upper
69 100
41 11632.8 119.8 179.6#
100 44677.0 25.0 37.6#



#44
2,2,4-Trimethylpentane
Concen: 0.434 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.02 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion: 57 Resp: 124876
Ion Ratio Lower Upper
57 100
41 0.0 26.4 39.6#
56 55.9 25.5 38.3#

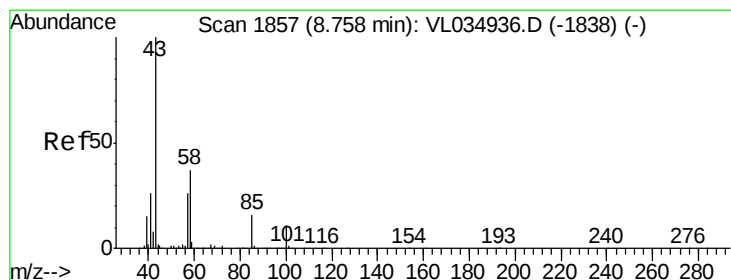
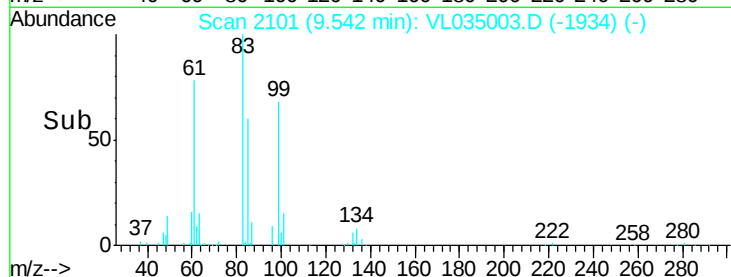
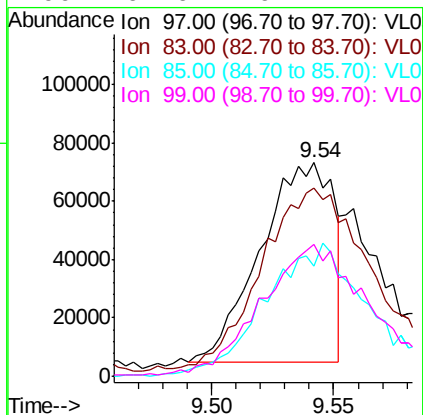
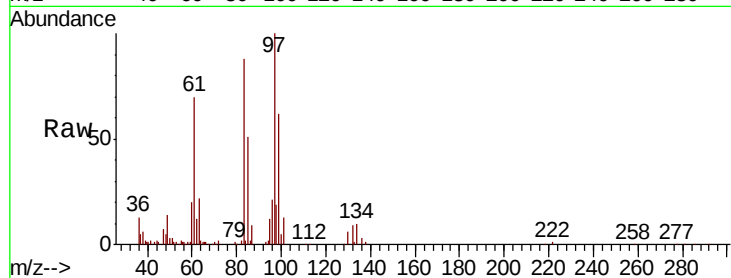




#47
 1,1,2-Trichloroethane
 Concen: 2.077 ppbv
 RT: 9.54 min Scan# 2101
 Delta R.T. 0.04 min
 Lab File: VL035003.D
 Acq: 13 May 2020 1:29

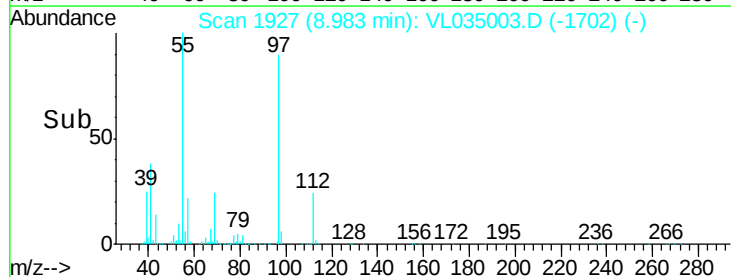
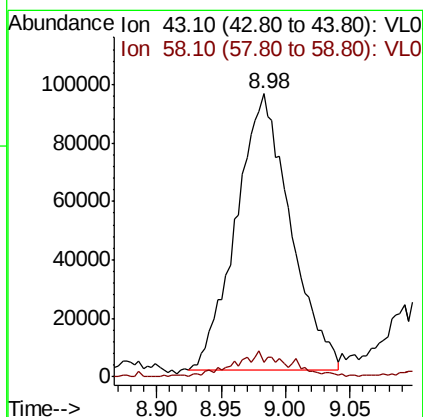
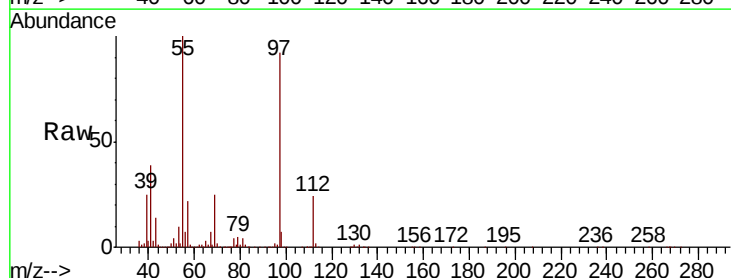
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4

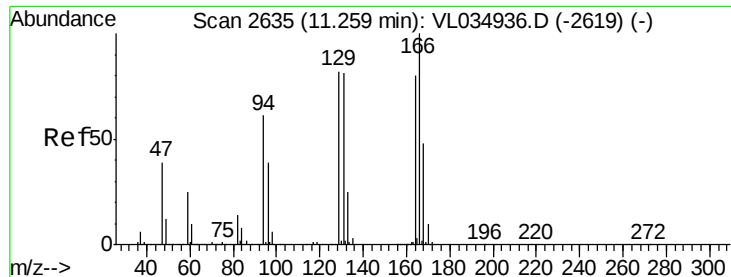
Tot Ion: 97 Resp: 142138
 Ion Ratio Lower Upper
 97 100
 83 89.0 75.6 113.4
 85 52.1 47.0 70.6
 99 64.6 49.4 74.2



#50
 4-Methyl-2-Pentanone
 Concen: 1.598 ppbv
 RT: 8.98 min Scan# 1927
 Delta R.T. 0.22 min
 Lab File: VL035003.D
 Acq: 13 May 2020 1:29

Tgt Ion: 43 Resp: 277784
 Ion Ratio Lower Upper
 43 100
 58 9.3 29.1 43.7#





#52

Tetrachloroethene

Concen: 839.330 ppbv

RT: 11.42 min Scan# 2685

Delta R.T. 0.16 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion:164 Resp:48272791

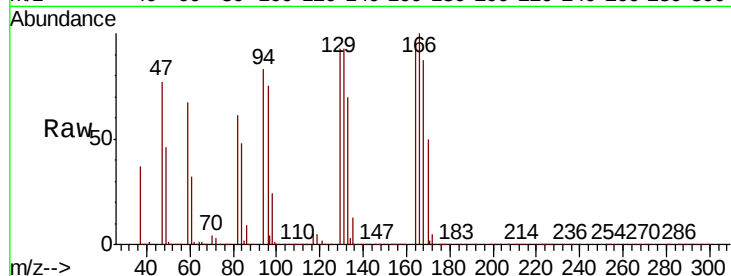
Ion Ratio Lower Upper

164 100

166 105.1 100.7 151.1

129 97.3 83.0 124.4

131 97.5 81.0 121.4

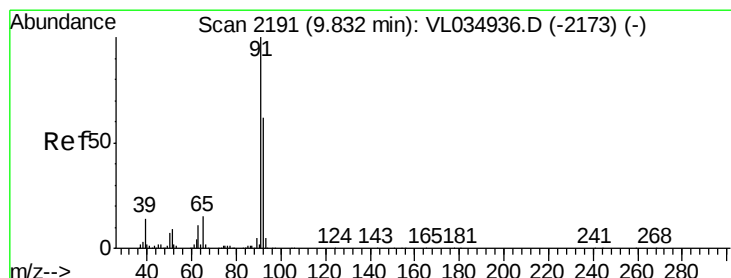
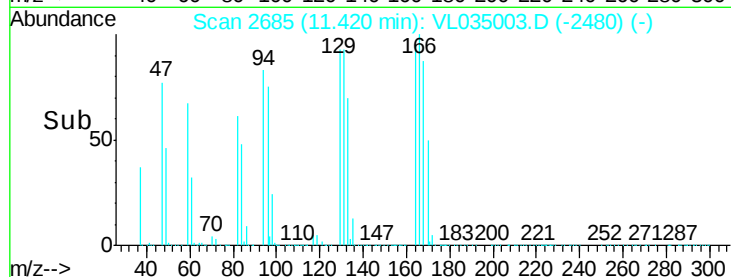
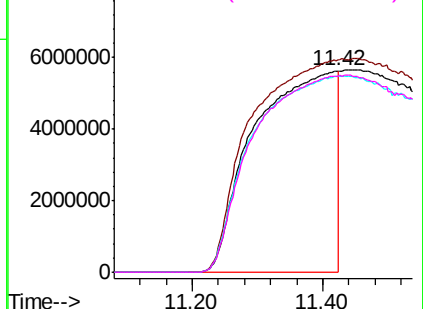


Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.033 ppbv

RT: 9.88 min Scan# 2205

Delta R.T. 0.04 min

Lab File: VL035003.D

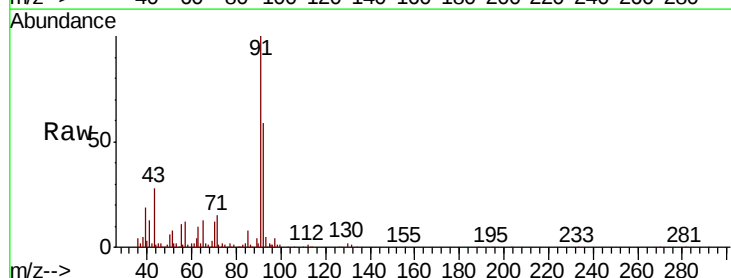
Acq: 13 May 2020 1:29

Tgt Ion: 91 Resp: 863007

Ion Ratio Lower Upper

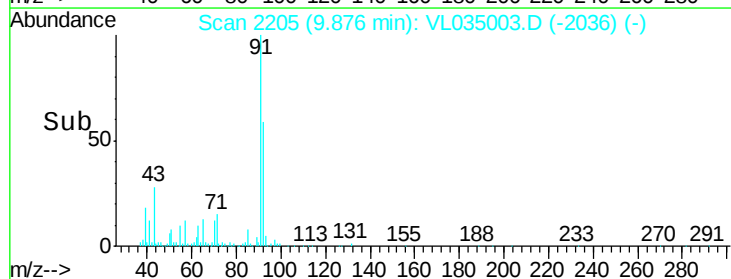
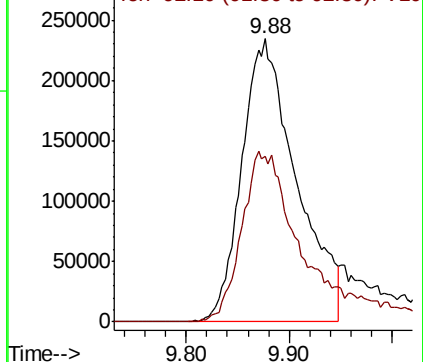
91 100

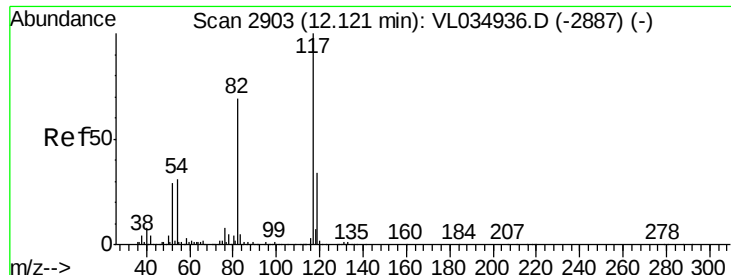
92 72.7 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

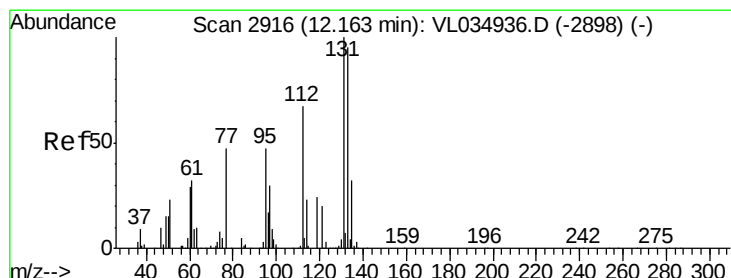
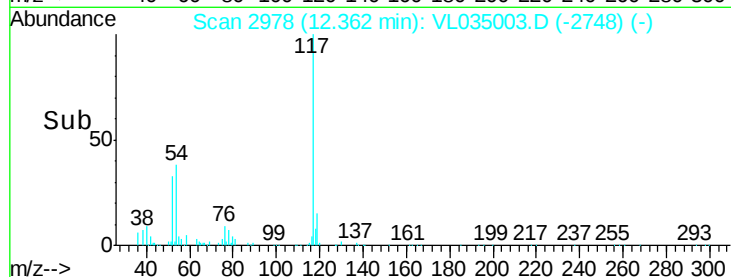
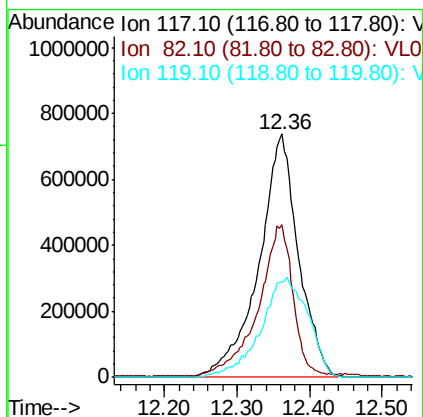
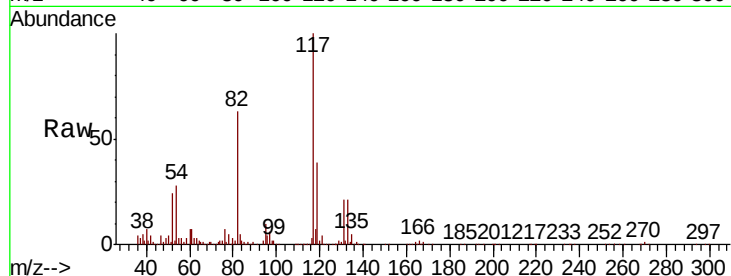




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.36 min Scan# 2978
Delta R.T. 0.24 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

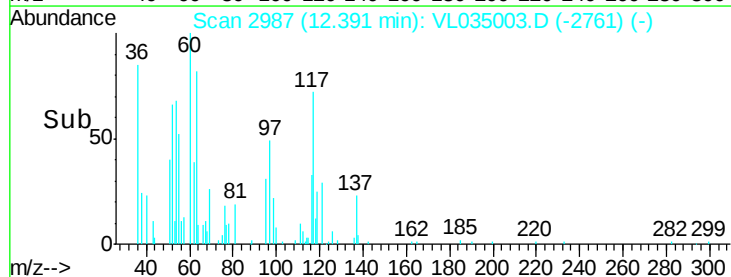
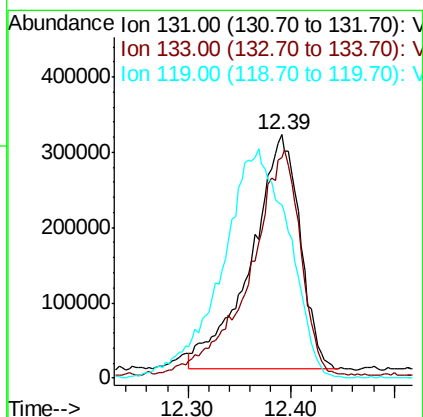
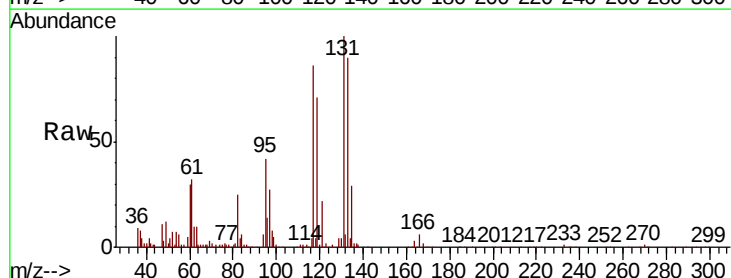
Instrument :
MSVOA_L
ClientSampled :
SG-4

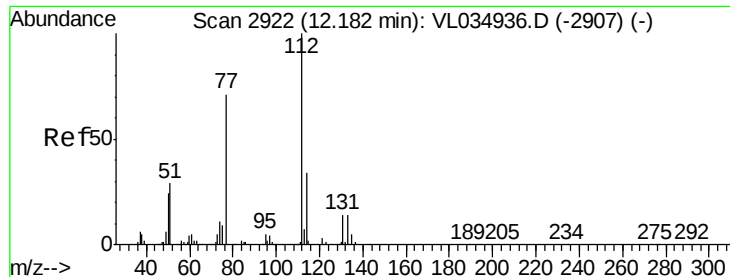
Tot Ion:117 Resp: 2779171
Ion Ratio Lower Upper
117 100
82 55.3 53.1 79.7
119 49.3 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.229 ppbv
RT: 12.39 min Scan# 2987
Delta R.T. 0.23 min
Lab File: VL035003.D
Acq: 13 May 2020 1:29

Tgt Ion:131 Resp: 1031398
Ion Ratio Lower Upper
131 100
133 99.4 77.7 116.5
119 132.9 49.8 74.6#





#57

Chlorobenzene

Concen: 0.022 ppbv

RT: 12.42 min Scan# 2995

Delta R.T. 0.23 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

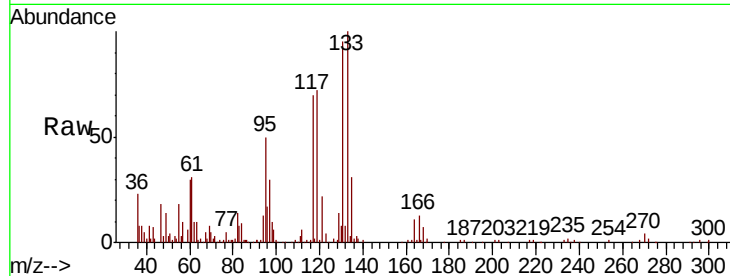
Tot Ion:112 Resp: 4871

Ion Ratio Lower Upper

112 100

77 70.8 57.0 85.6

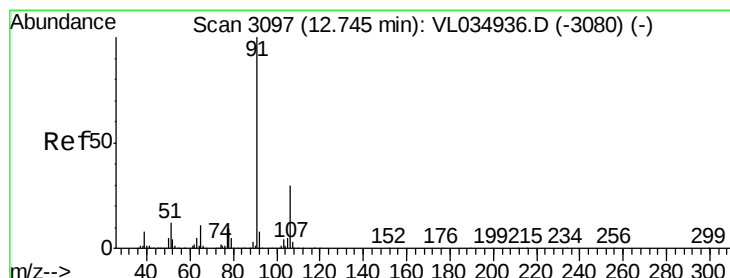
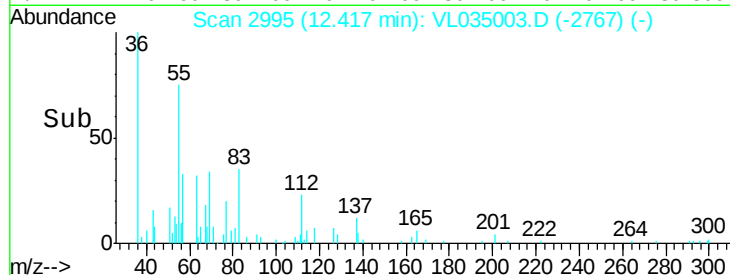
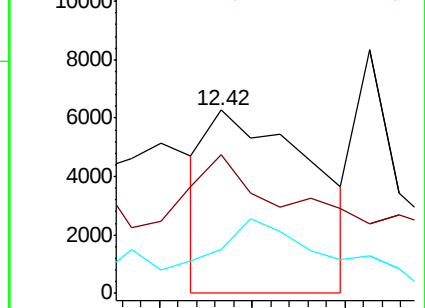
114 14.8 30.8 37.6#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.042 ppbv

RT: 12.90 min Scan# 3144

Delta R.T. 0.15 min

Lab File: VL035003.D

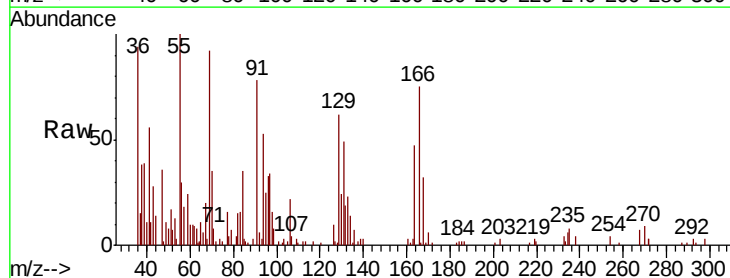
Acq: 13 May 2020 1:29

Tgt Ion: 91 Resp: 14459

Ion Ratio Lower Upper

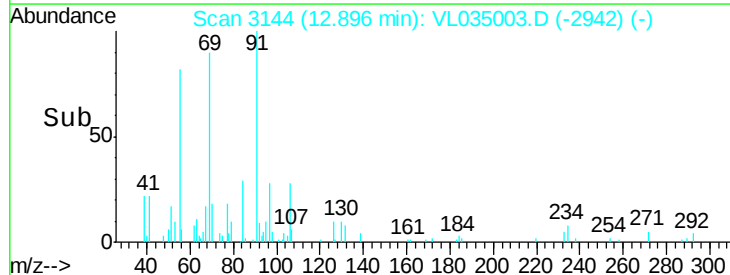
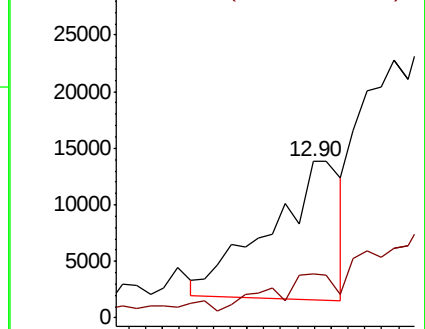
91 100

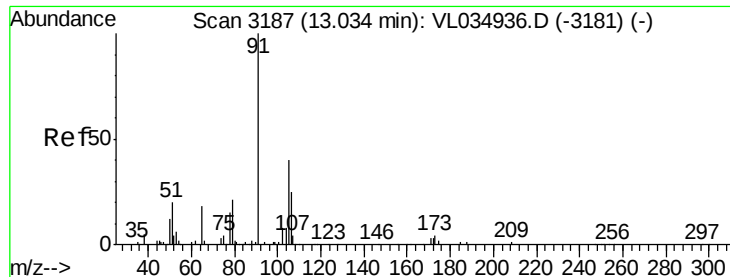
106 25.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.447 ppbv

RT: 13.19 min Scan# 3234

Delta R.T. 0.15 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

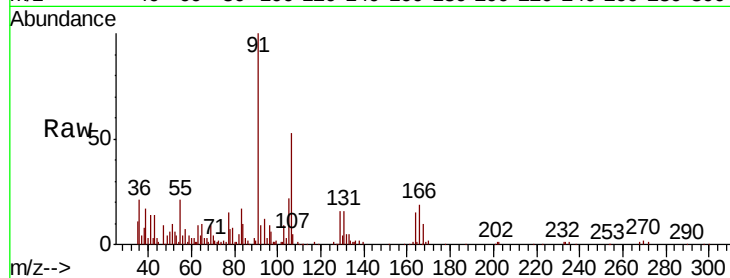
SG-4

Tot Ion: 91 Resp: 135279

Ion Ratio Lower Upper

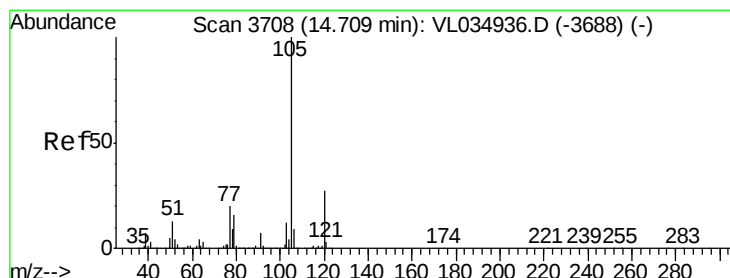
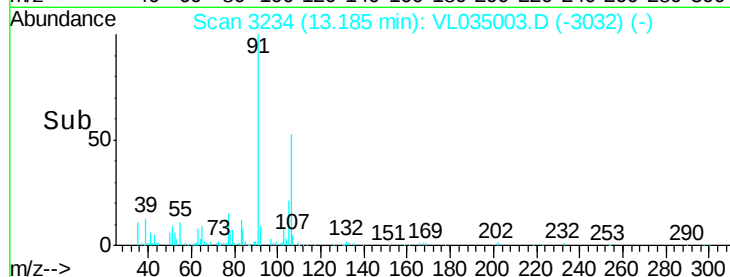
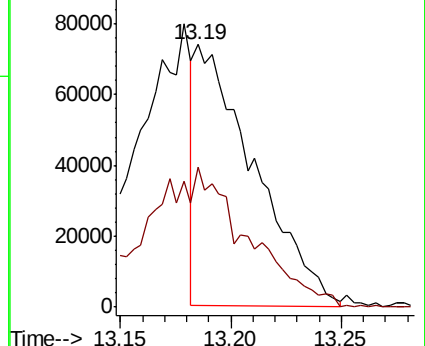
91 100

106 99.9 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#62

Isopropylbenzene

Concen: 0.821 ppbv

RT: 14.81 min Scan# 3740

Delta R.T. 0.10 min

Lab File: VL035003.D

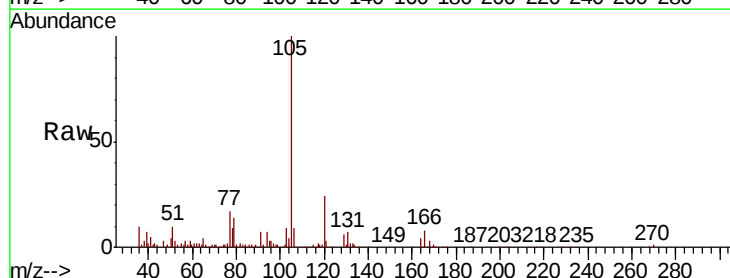
Acq: 13 May 2020 1:29

Tgt Ion: 105 Resp: 365862

Ion Ratio Lower Upper

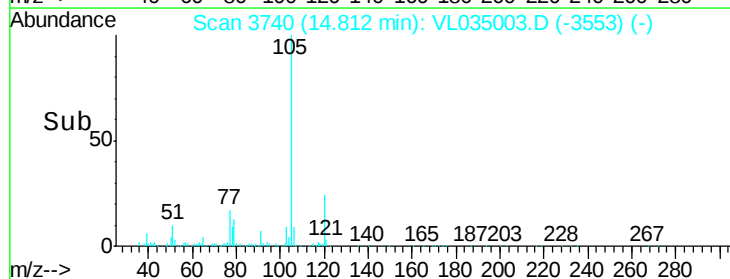
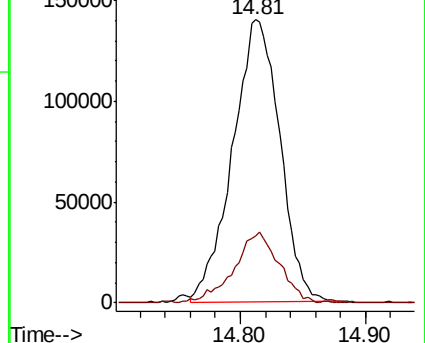
105 100

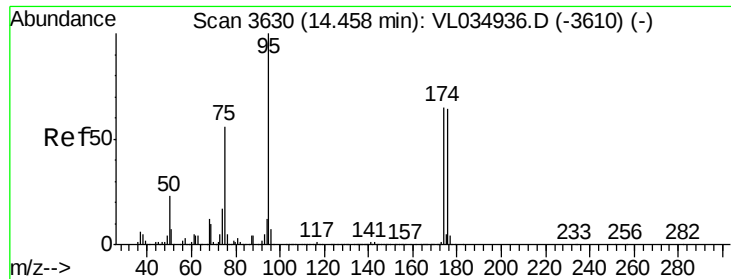
120 24.1 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 7.916 ppbv

RT: 14.57 min Scan# 3666

Delta R.T. 0.12 min

Lab File: VL035003.D

Acq: 13 May 2020 1:29

Instrument :

MSVOA_L

ClientSampleId :

SG-4

Tot Ion: 95 Resp: 1780850

Ion Ratio Lower Upper

95 100

174 63.7 51.5 77.3

175 4.7 3.8 5.8

