

Data File : VL033830.D
Acq On : 29 May 2019 9:28
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: May 30 01:07:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	720805	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1788199	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1796666	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1459962	10.02	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	4614	0.030	ppbv	99
3) Chlorodifluoromethane	3.01	51	5509	0.067	ppbv #	87
4) Chloromethane	3.17	50	3248	0.069	ppbv #	80
5) Vinyl Chloride	3.29	62	2090	0.043	ppbv #	47
6) Bromomethane	3.51	94	652	0.022	ppbv	88
8) Dichlorotetrafluoroethane	3.22	85	6230	0.051	ppbv	93
9) Propene	3.03	41	4677	0.133	ppbv	89
11) Trichlorofluoromethane	4.00	101	7285	0.050	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.54	101	2591	0.026	ppbv #	13
13) Ethanol	3.64	45	132	0.012	ppbv	81
14) Bromoethene	3.78	108	1046	0.028	ppbv #	40
15) Acetone	3.92	43	42623	0.426	ppbv	97
16) 1,3-Butadiene	3.35	39	1096	0.028	ppbv #	6
18) 1,1-Dichloroethene	4.35	96	1119	0.026	ppbv	88
20) Methylene Chloride	4.39	84	1313	0.034	ppbv	86
21) Allyl Chloride	4.47	41	1711	0.027	ppbv #	11
22) trans-1,2-Dichloroethene	4.96	96	1329	0.030	ppbv	97
23) Vinyl Acetate	5.15	43	2434	0.018	ppbv #	89
24) 1,1-Dichloroethane	5.08	63	3712	0.037	ppbv #	76
26) Hexane	5.77	57	1379	0.018	ppbv #	1
27) Carbon Disulfide	4.61	76	3694	0.036	ppbv #	1
28) Methyl tert-Butyl Ether	5.13	73	3102	0.025	ppbv	96
29) Chloroform	5.83	83	2335	0.017	ppbv	94
31) cis-1,2-Dichloroethene	5.63	61	1204	0.016	ppbv #	66
32) 1,1,1-Trichloroethane	6.60	97	1392	0.010	ppbv #	1
34) 2-Butanone	5.34	43	2269	0.020	ppbv #	51
35) Carbon Tetrachloride	7.12	117	4852	0.034	ppbv #	68
36) Benzene	6.99	78	2624	0.016	ppbv #	46
37) 1,2-Dichloroethane	6.40	62	2848	0.027	ppbv #	83
39) 1,2-Dichloropropane	7.28	63	476045	7.850	ppbv #	23
42) Bromodichloromethane	7.91	83	2525	0.018	ppbv #	45
44) 2,2,4-Trimethylpentane	7.98	57	4475	0.016	ppbv #	52
46) cis-1,3-Dichloropropene	8.82	75	1015	0.011	ppbv #	64
47) 1,1,2-Trichloroethane	9.60	97	1105	0.016	ppbv #	34
49) Bromoform	13.18	173	1174	0.012	ppbv #	27
52) Tetrachloroethene	11.35	164	1122	0.020	ppbv #	16
56) 1,1,1,2-Tetrachloroethane	12.27	131	1480	0.018	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.83	83	2377	0.016	ppbv #	25
75) 1,3-Dichlorobenzene	17.15	146	5245	0.034	ppbv	72
80) Naphthalene,2-methyl-	25.13	142	1572	0.017	ppbv #	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\
Quantitation Report (Not Reviewed)

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

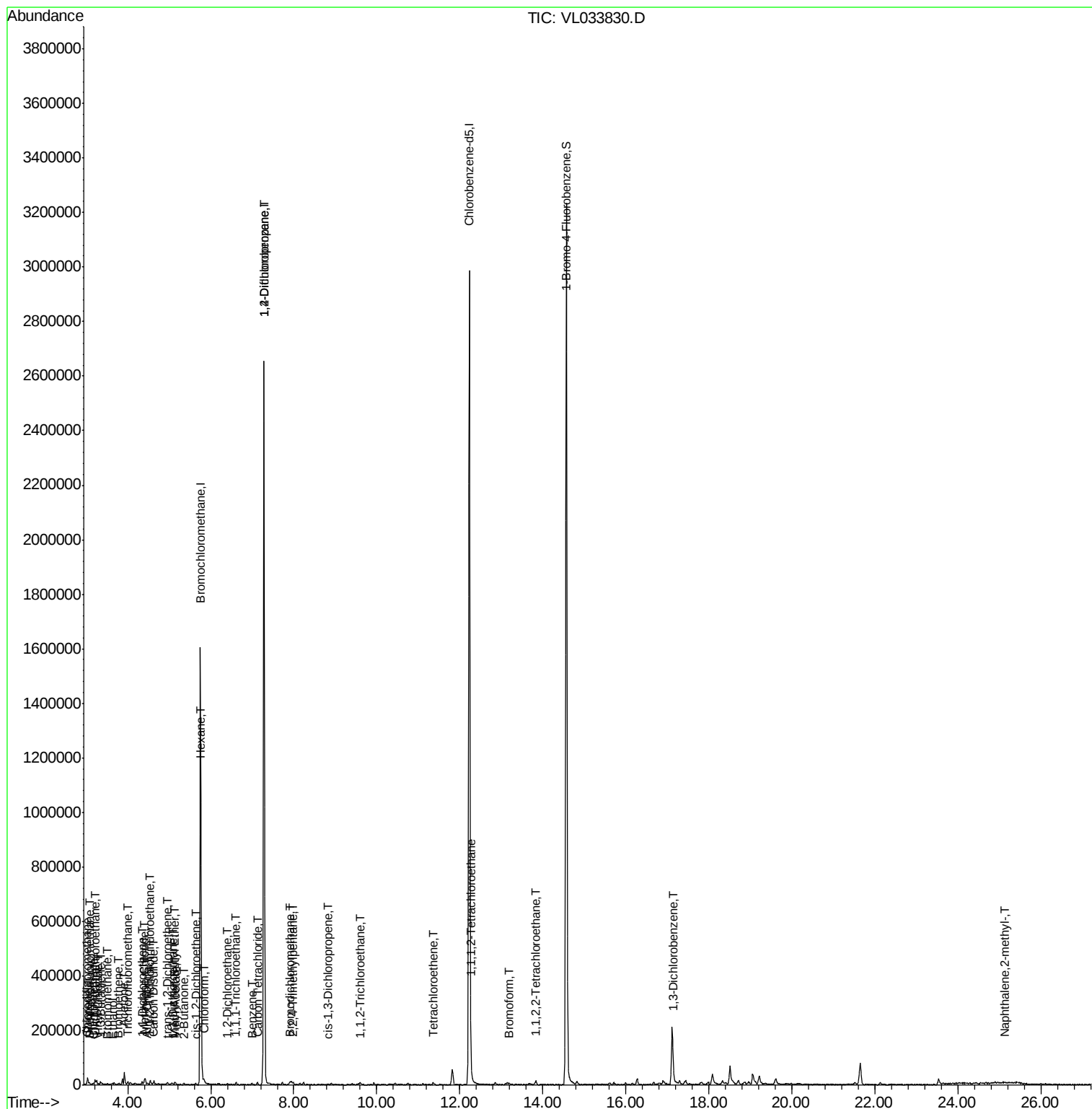
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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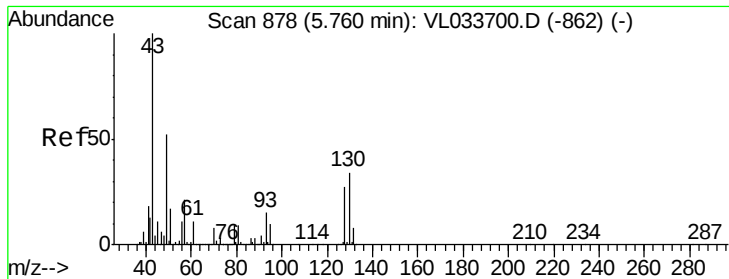
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

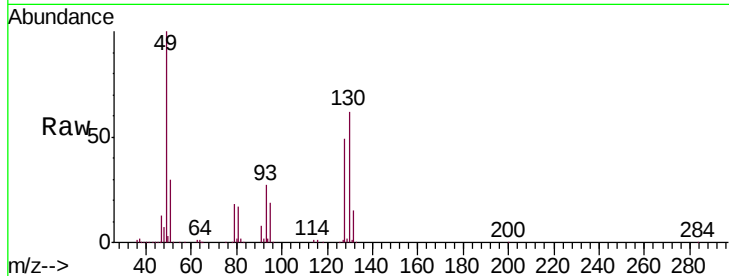
Tgt Ion: 49 Resp: 720805

Ion Ratio Lower Upper

49 100

128 49.9 25.2 75.6

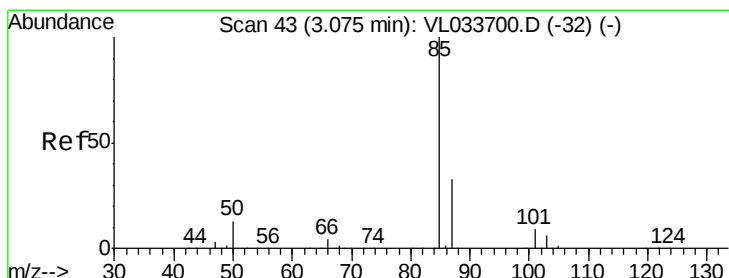
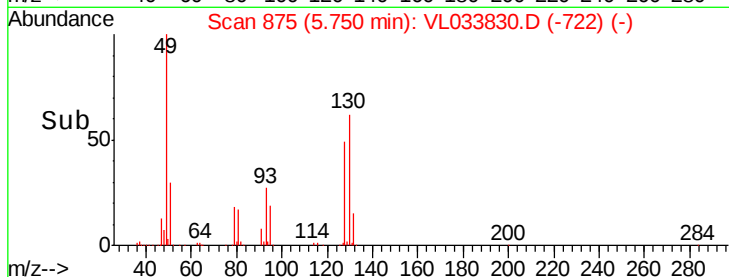
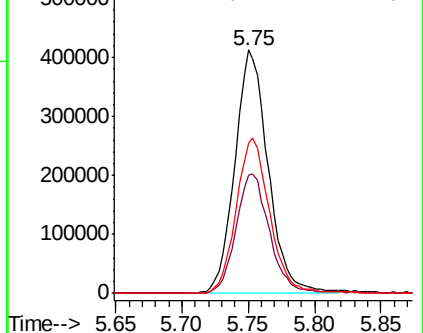
130 64.4 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.030 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033830.D

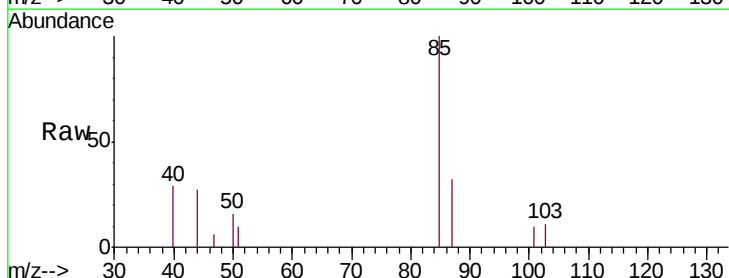
Acq: 29 May 2019 9:28

Tgt Ion: 85 Resp: 4614

Ion Ratio Lower Upper

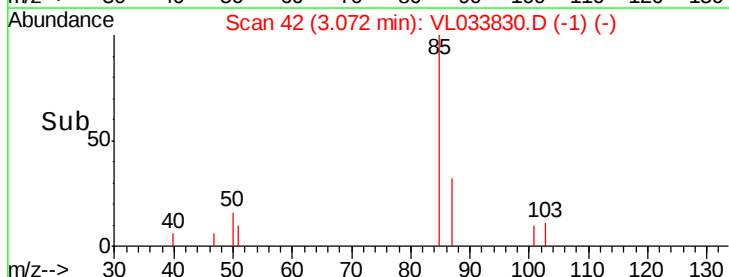
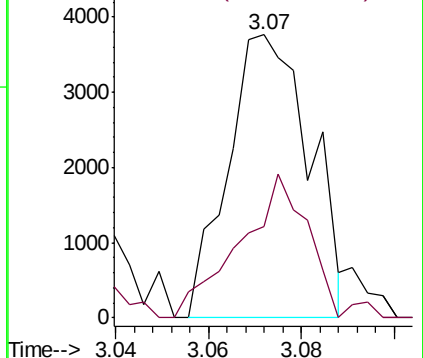
85 100

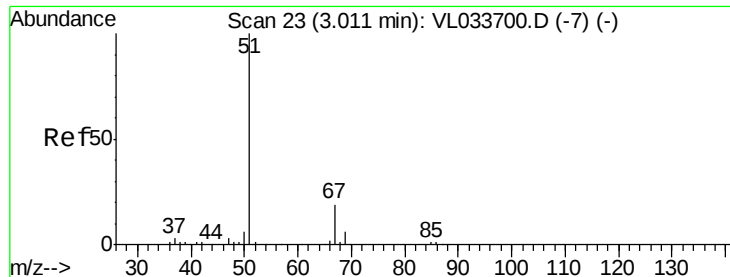
87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.067 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

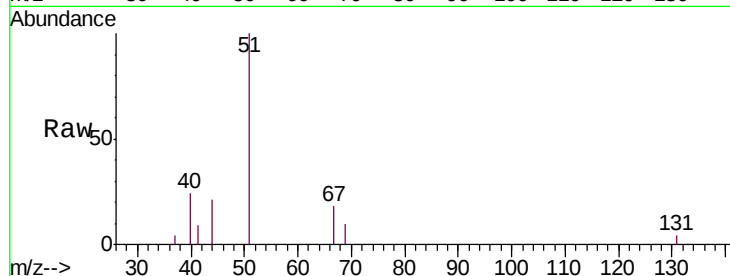
VIBLK

Tgt Ion: 51 Resp: 5509

Ion Ratio Lower Upper

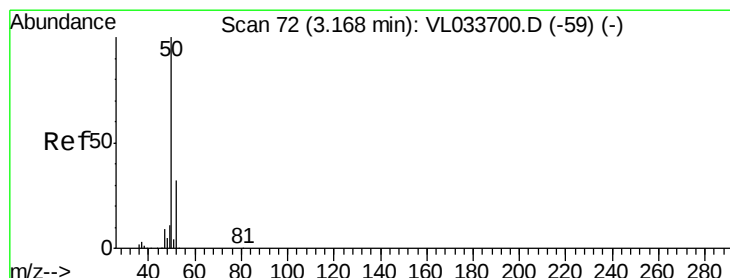
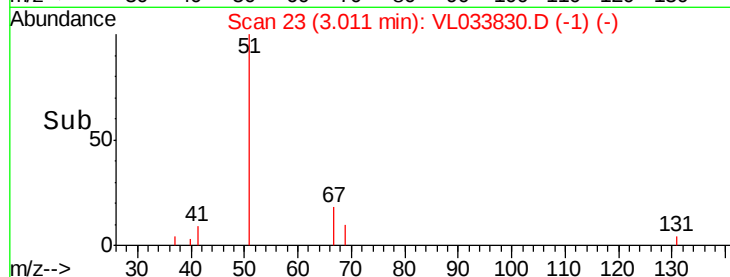
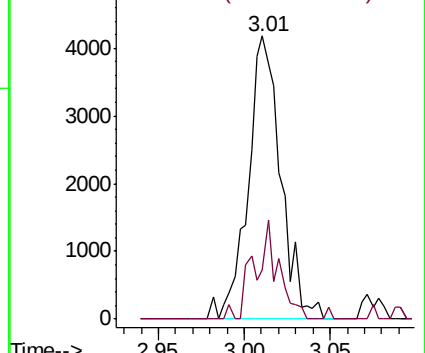
51 100

67 25.4 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.069 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033830.D

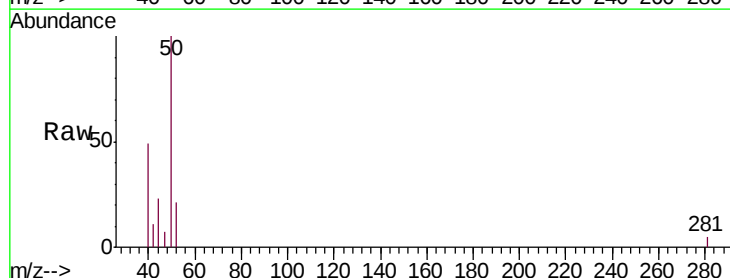
Acq: 29 May 2019 9:28

Tgt Ion: 50 Resp: 3248

Ion Ratio Lower Upper

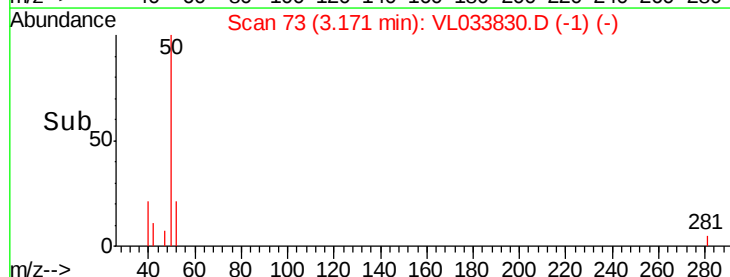
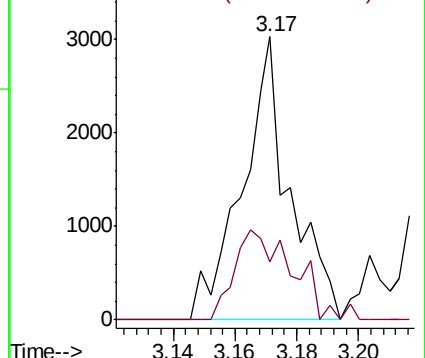
50 100

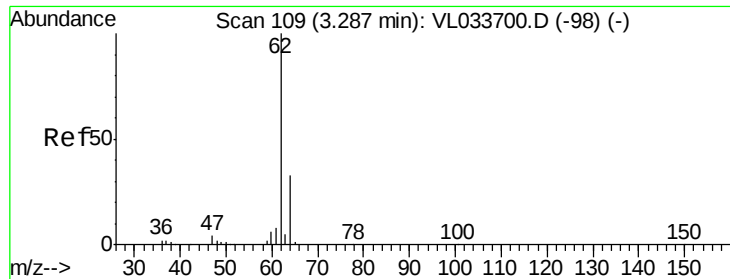
52 20.7 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.043 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

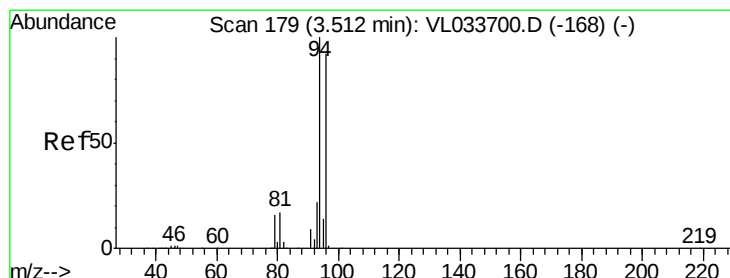
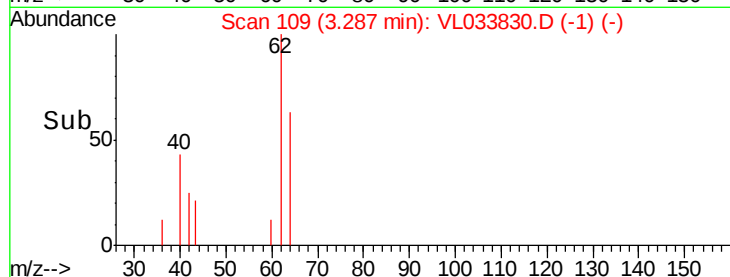
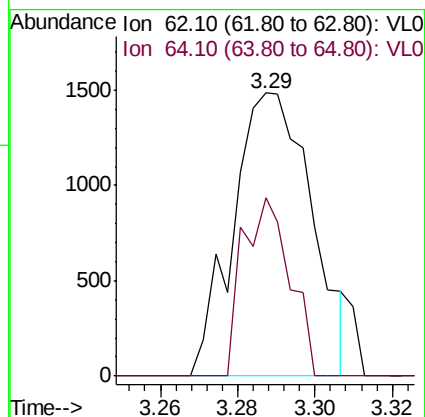
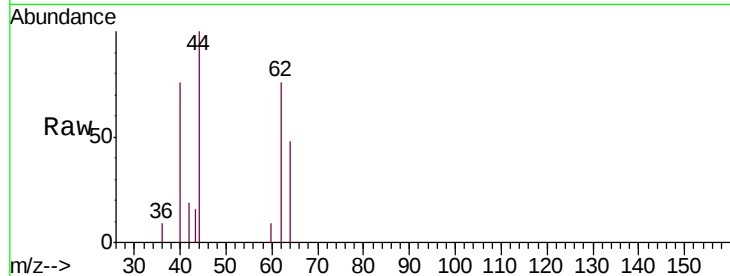
VIBLK

Tgt Ion: 62 Resp: 2090

Ion Ratio Lower Upper

62 100

64 63.2 26.4 39.6#



#6

Bromomethane

Concen: 0.022 ppbv

RT: 3.51 min Scan# 177

Delta R.T. -0.01 min

Lab File: VL033830.D

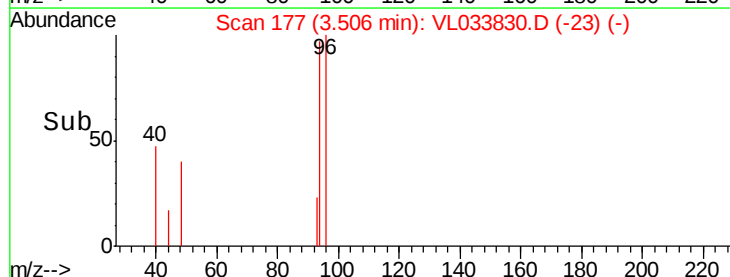
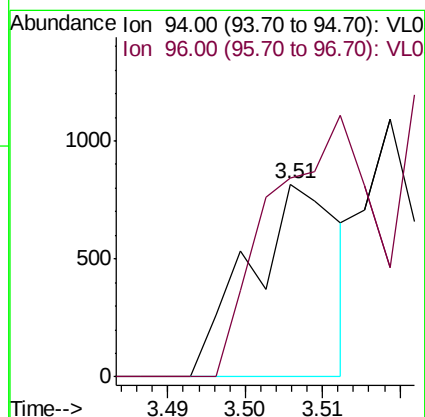
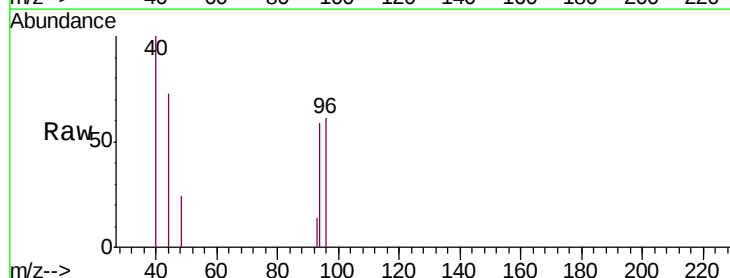
Acq: 29 May 2019 9:28

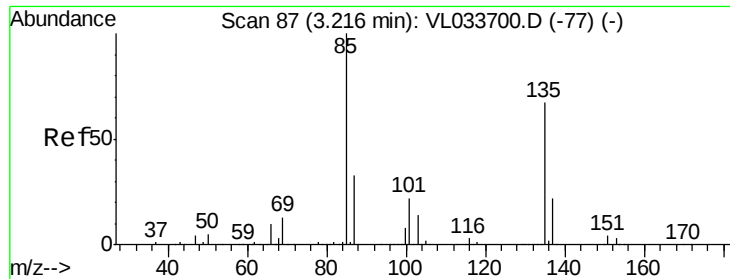
Tgt Ion: 94 Resp: 652

Ion Ratio Lower Upper

94 100

96 103.1 73.6 110.4

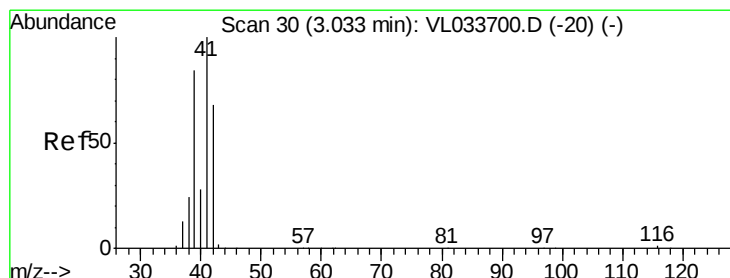
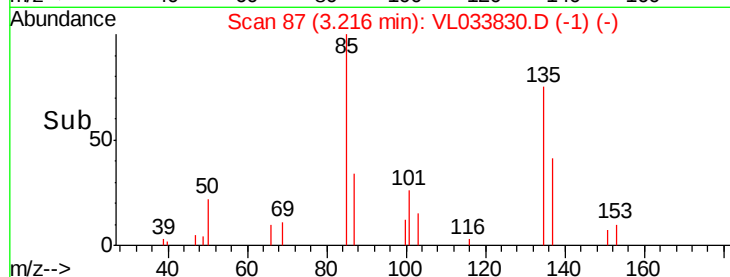
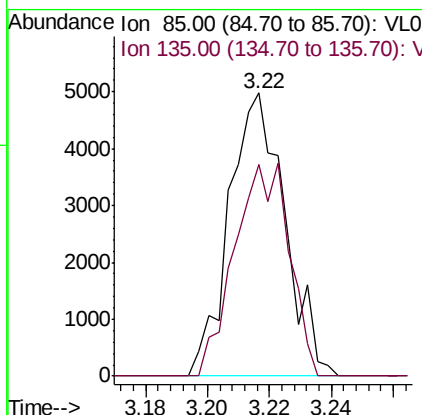
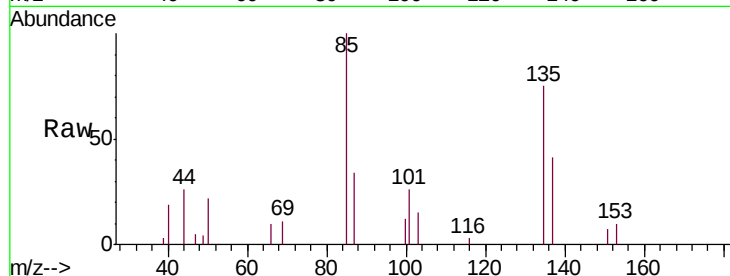




#8
Dichlorotetrafluoroethane
Concen: 0.051 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

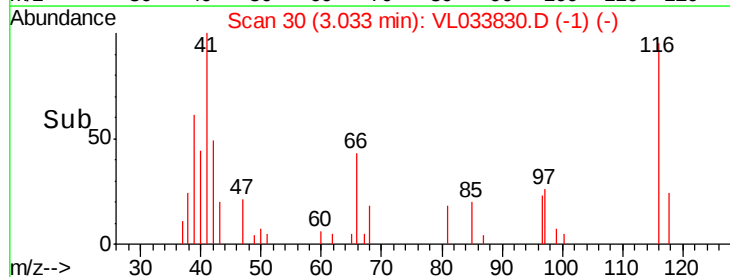
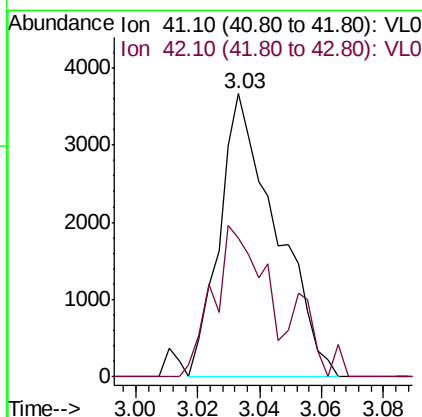
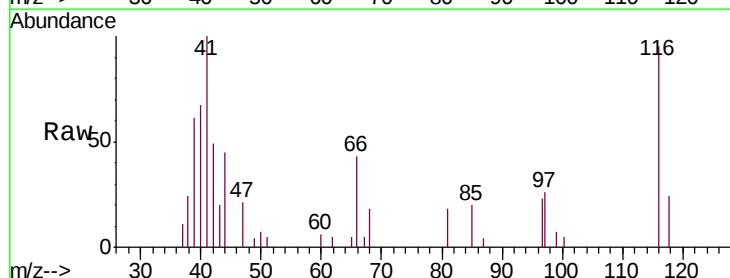
Instrument :
MSVOA_L
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VIBLK

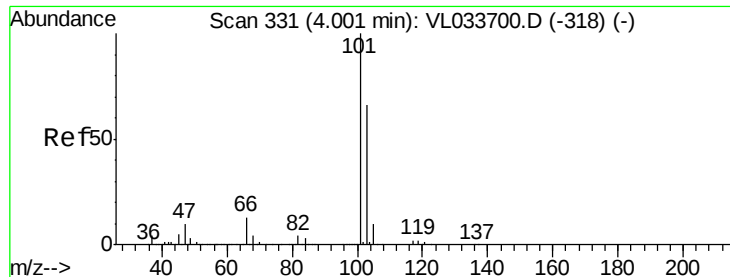
Tgt Ion: 85 Resp: 6230
Ion Ratio Lower Upper
85 100
135 73.9 54.5 81.7



#9
Propene
Concen: 0.133 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

Tgt Ion: 41 Resp: 4677
Ion Ratio Lower Upper
41 100
42 60.7 56.1 84.1





#11

Trichlorofluoromethane

Concen: 0.050 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

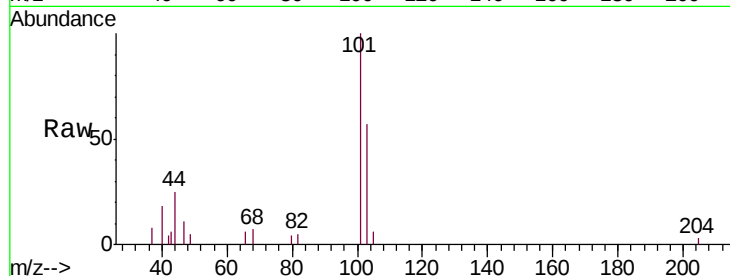
VIBLK

Tgt Ion:101 Resp: 7285

Ion Ratio Lower Upper

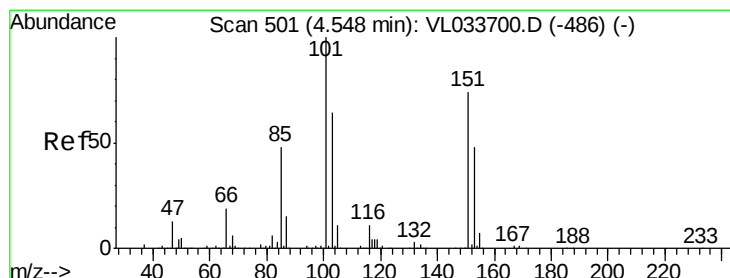
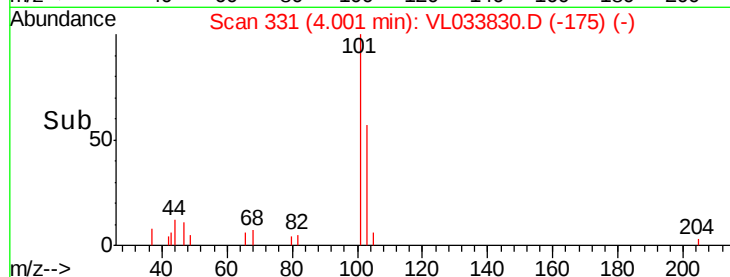
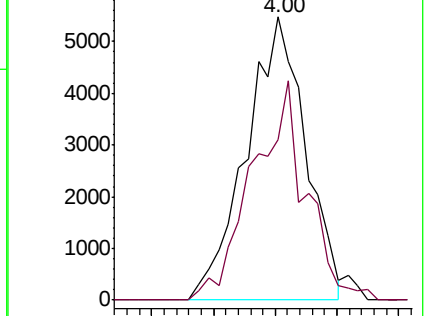
101 100

103 56.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.026 ppbv

RT: 4.54 min Scan# 499

Delta R.T. -0.01 min

Lab File: VL033830.D

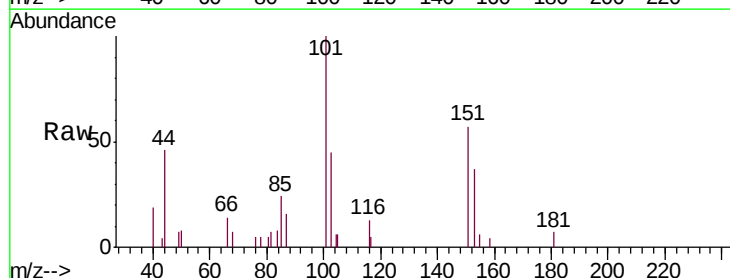
Acq: 29 May 2019 9:28

Tgt Ion:101 Resp: 2591

Ion Ratio Lower Upper

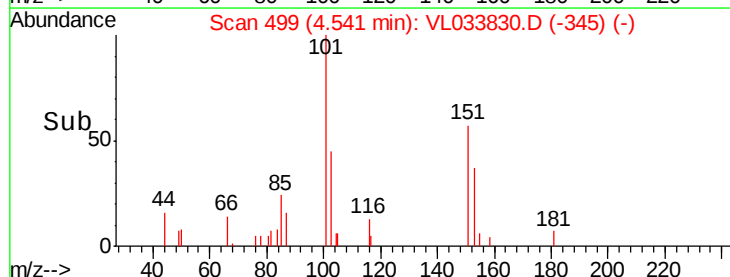
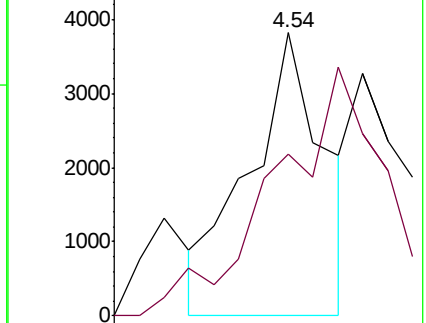
101 100

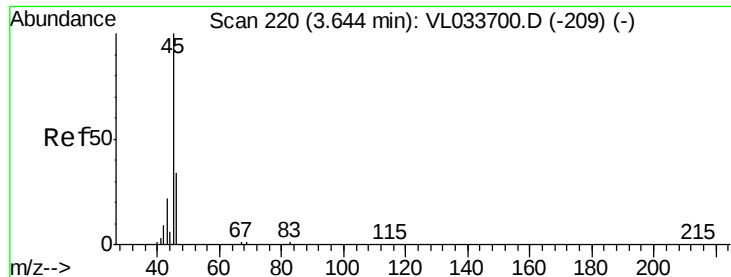
151 0.0 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.012 ppbv

RT: 3.64 min Scan# 218

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampled :

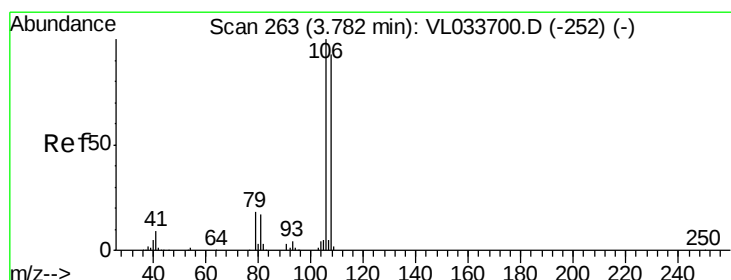
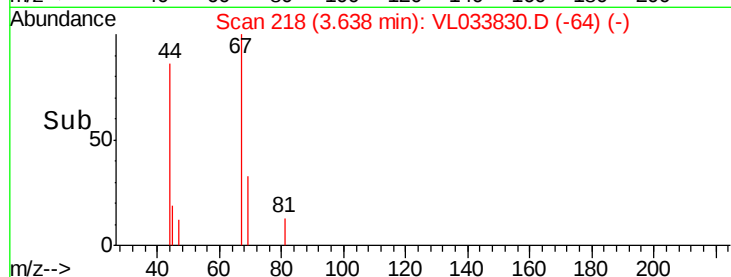
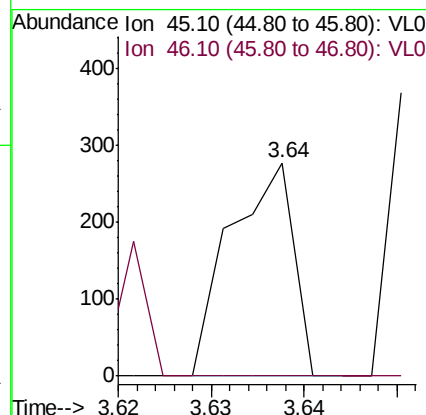
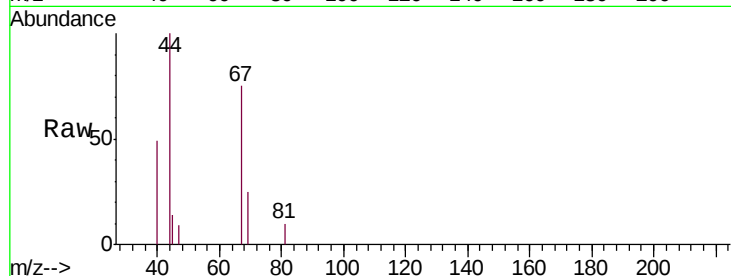
VIBLK

Tgt Ion: 45 Resp: 132

Ion Ratio Lower Upper

45 100

46 25.8 14.8 59.0



#14

Bromoethene

Concen: 0.028 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

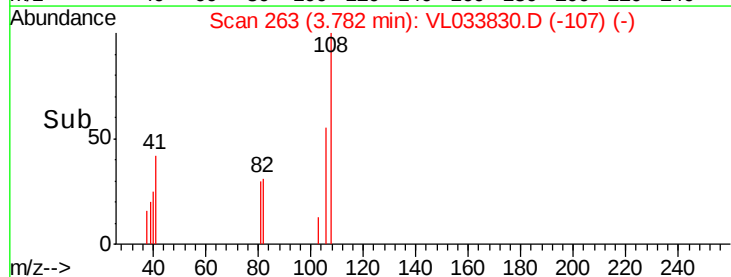
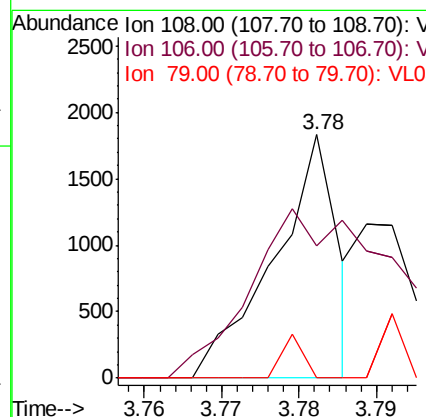
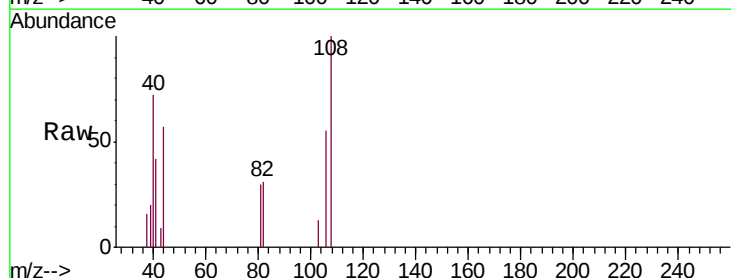
Tgt Ion: 108 Resp: 1046

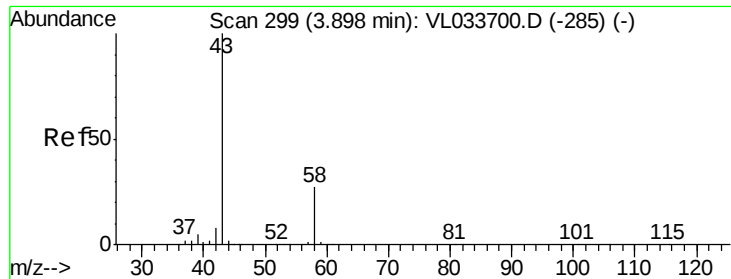
Ion Ratio Lower Upper

108 100

106 173.7 86.5 129.7#

79 0.0 15.1 22.7#





#15

Acetone

Concen: 0.426 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

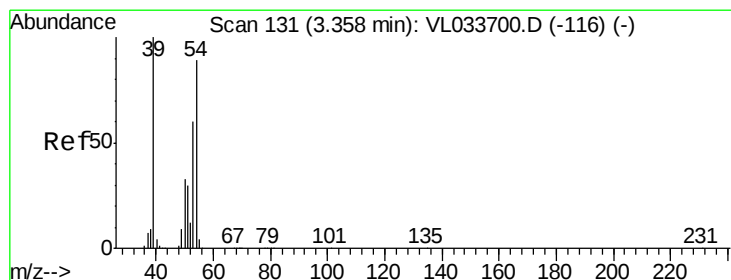
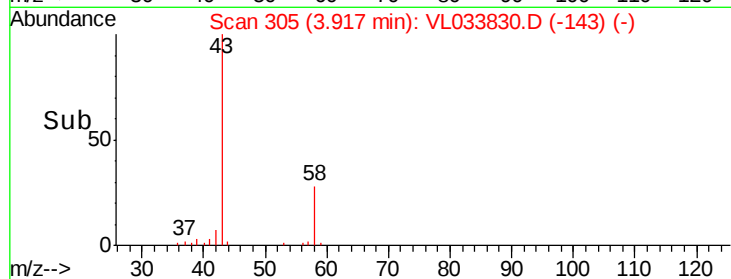
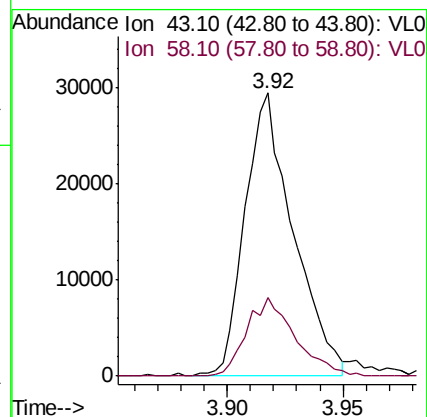
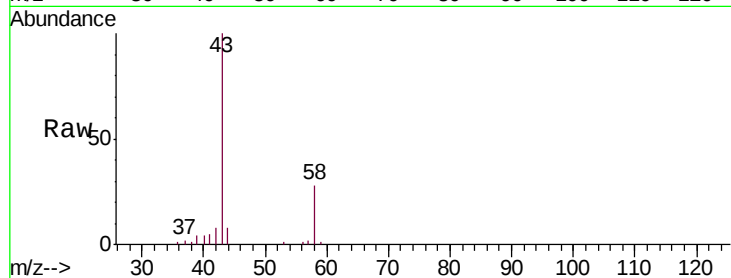
VIBLK

Tgt Ion: 43 Resp: 42623

Ion Ratio Lower Upper

43 100

58 28.0 21.3 31.9



#16

1,3-Butadiene

Concen: 0.028 ppbv

RT: 3.35 min Scan# 129

Delta R.T. -0.01 min

Lab File: VL033830.D

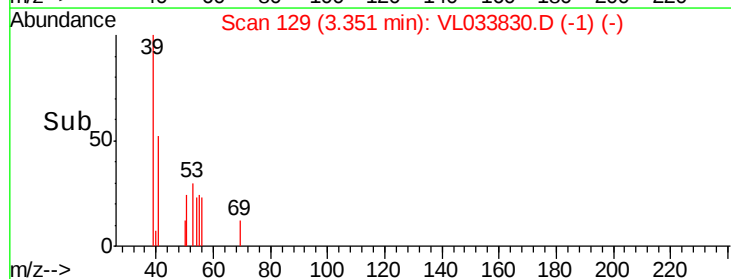
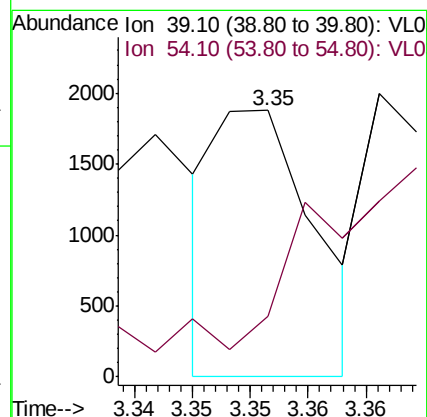
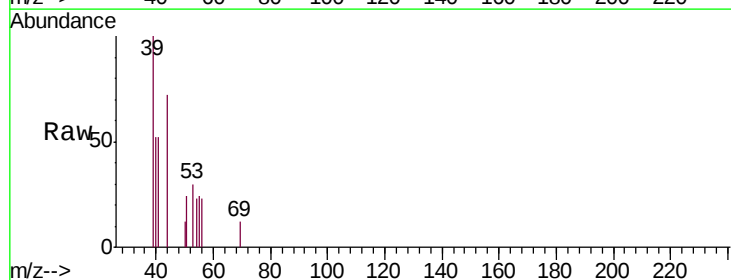
Acq: 29 May 2019 9:28

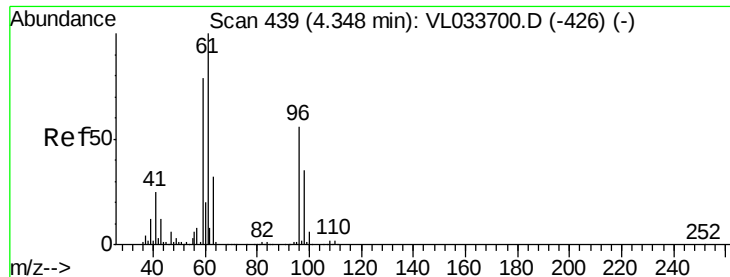
Tgt Ion: 39 Resp: 1096

Ion Ratio Lower Upper

39 100

54 0.0 69.0 103.6#

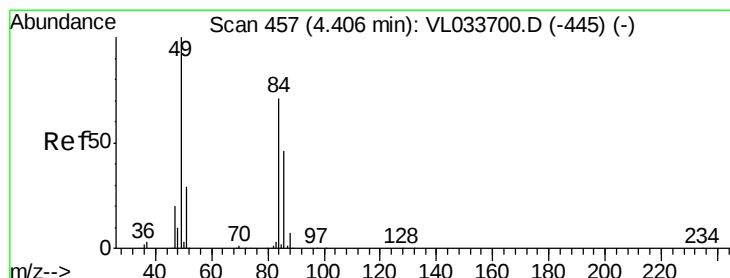
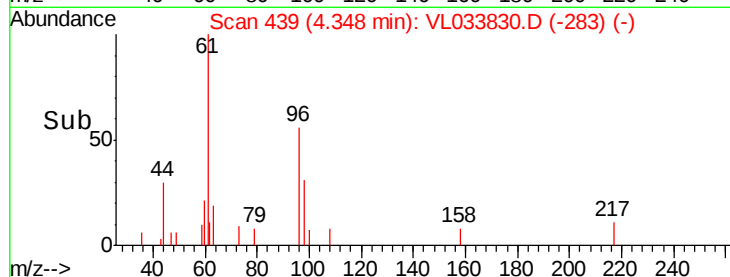
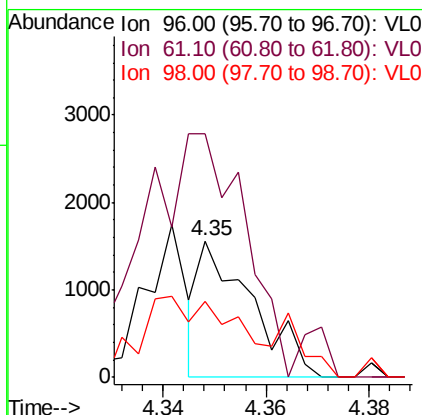
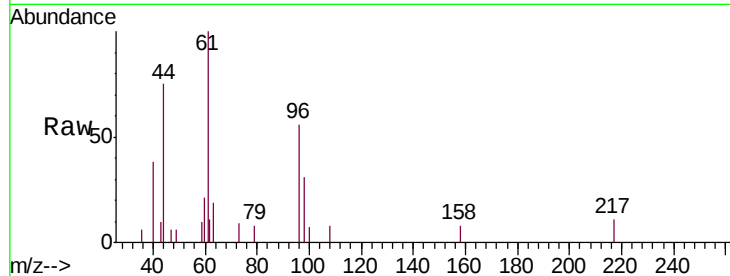




#18
 1,1-Dichloroethene
 Concen: 0.026 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.00 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

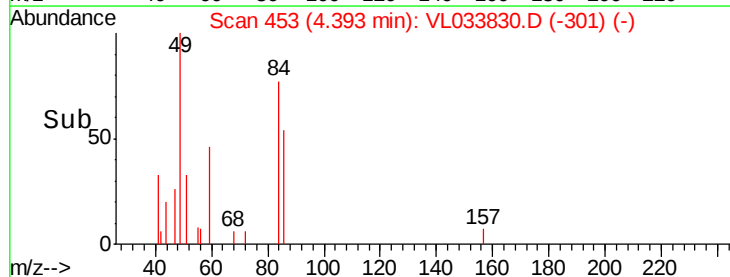
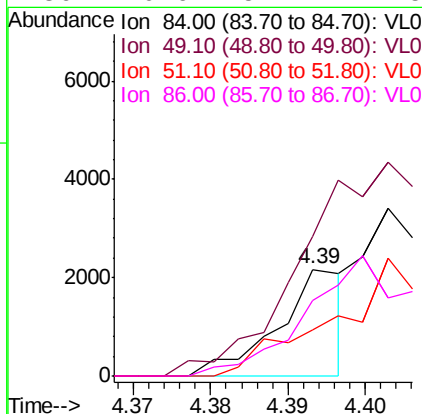
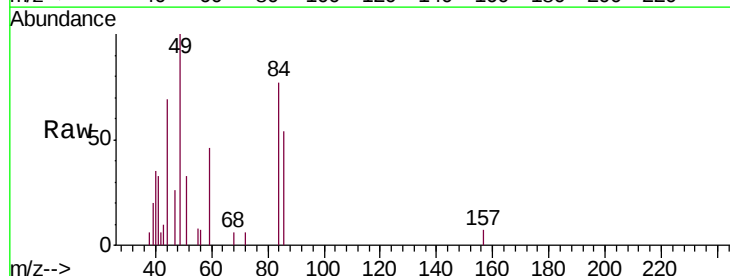
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

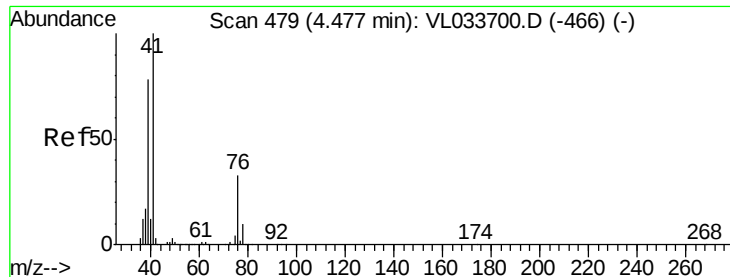
Tgt Ion: 96 Resp: 1119
 Ion Ratio Lower Upper
 96 100
 61 197.9 143.1 214.7
 98 55.8 49.5 74.3



#20
 Methylene Chloride
 Concen: 0.034 ppbv
 RT: 4.39 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

Tgt Ion: 84 Resp: 1313
 Ion Ratio Lower Upper
 84 100
 49 116.3 112.8 169.2
 51 43.0 33.4 50.0
 86 70.6 51.7 77.5

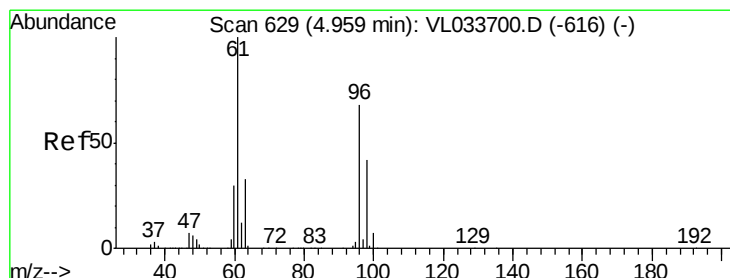
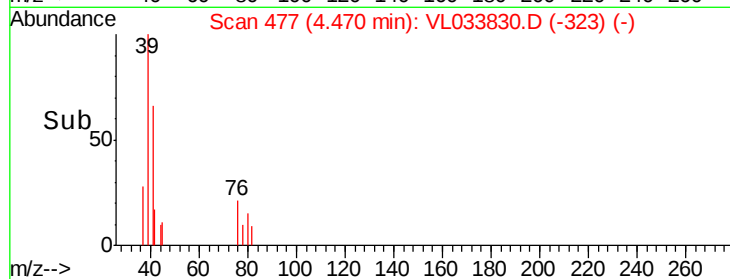
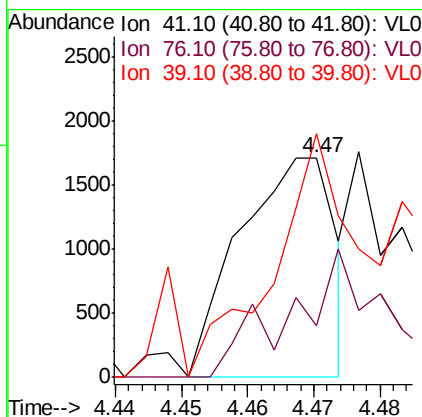
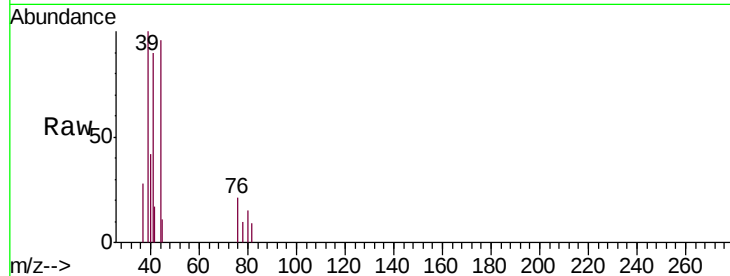




#21
 Allyl Chloride
 Concen: 0.027 ppbv
 RT: 4.47 min Scan# 477
 Delta R.T. -0.01 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

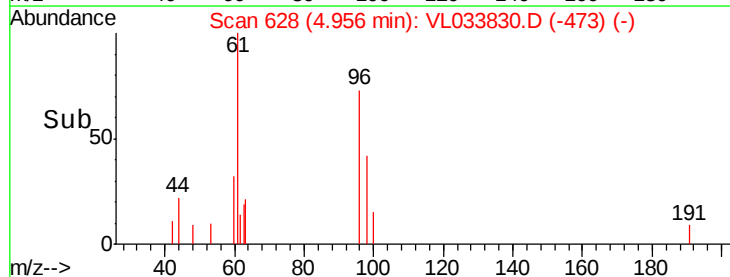
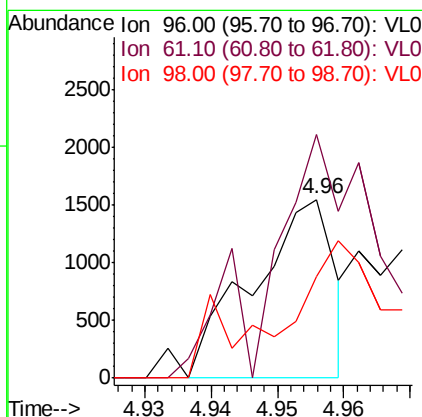
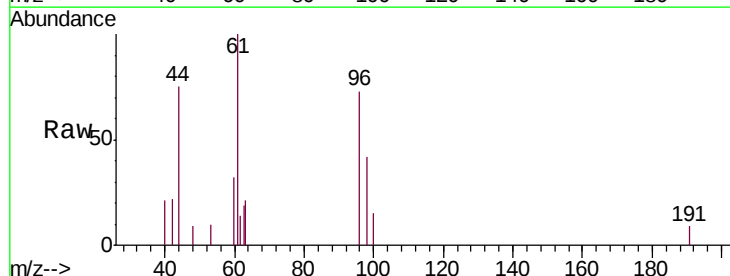
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

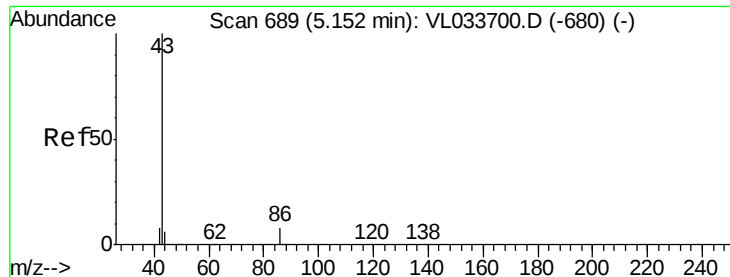
Tgt Ion: 41 Resp: 1711
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 170.8 64.6 97.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.030 ppbv
 RT: 4.96 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

Tgt Ion: 96 Resp: 1329
 Ion Ratio Lower Upper
 96 100
 61 144.0 116.8 175.2
 98 57.3 49.4 74.0





#23

Vinyl Acetate

Concen: 0.018 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 43 Resp: 2434

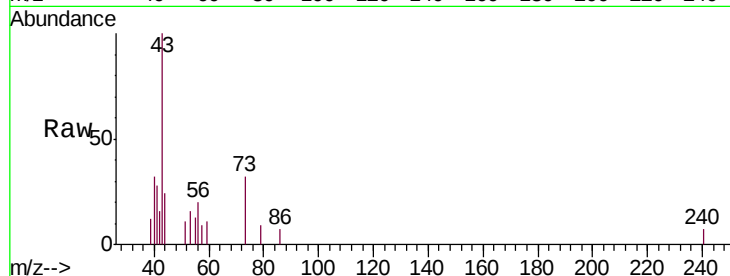
Ion Ratio Lower Upper

43 100

86 7.5 6.0 9.0

42 3.3 7.5 11.3#

44 0.0 4.4 6.6#

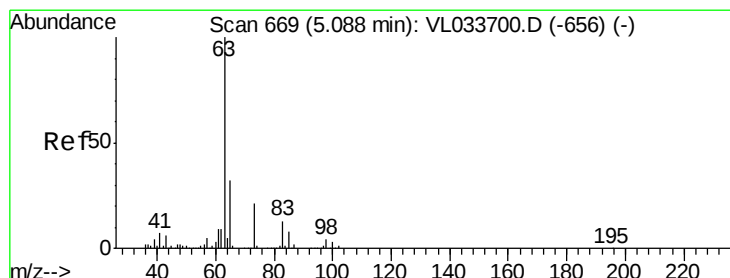
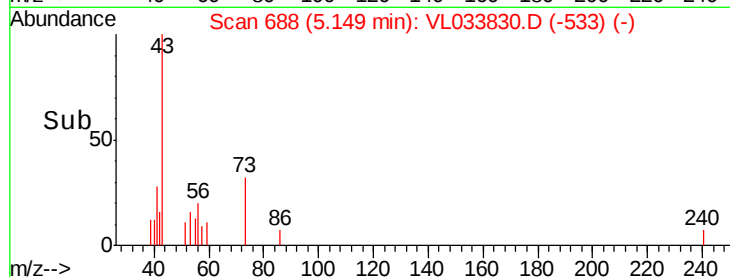
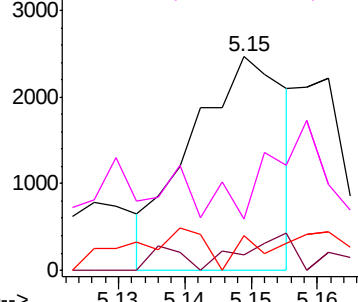


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.037 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

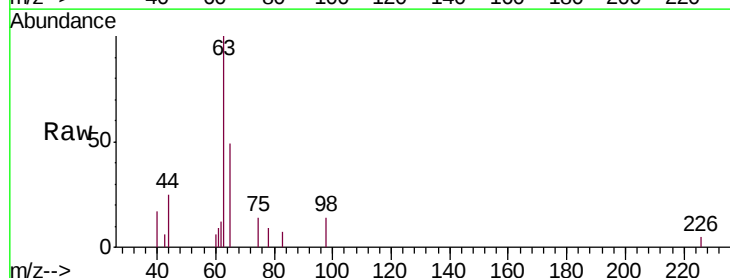
Tgt Ion: 63 Resp: 3712

Ion Ratio Lower Upper

63 100

98 15.6 1.8 5.5#

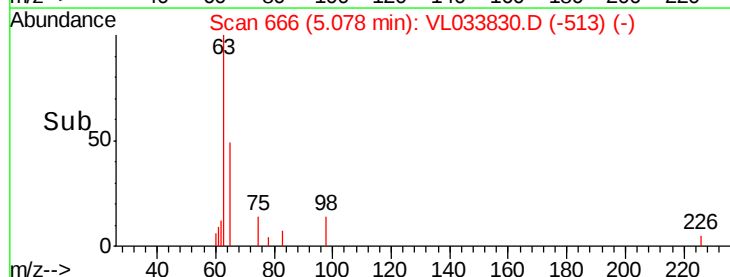
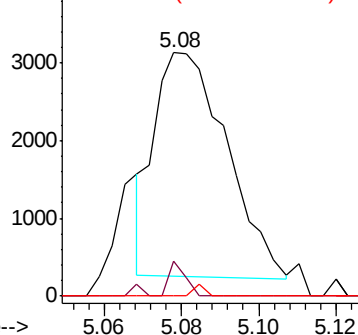
100 0.0 1.4 4.2#

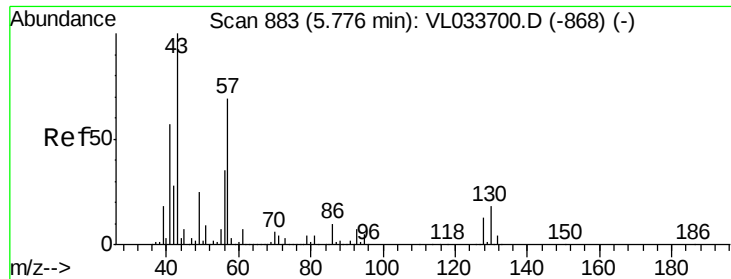


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#26

Hexane

Concen: 0.018 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 57 Resp: 1379

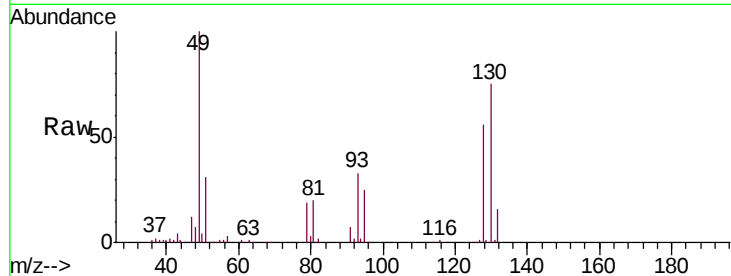
Ion Ratio Lower Upper

57 100

41 0.0 69.8 104.6#

43 553.3 181.8 272.6#

56 0.0 42.1 63.1#

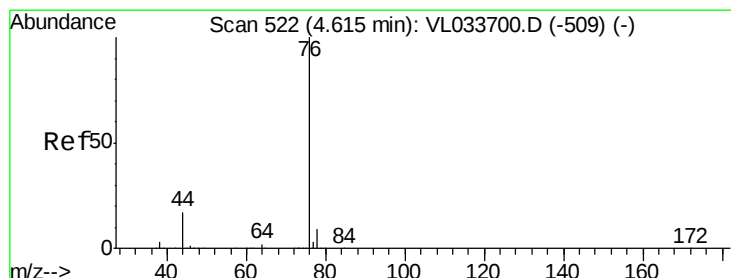
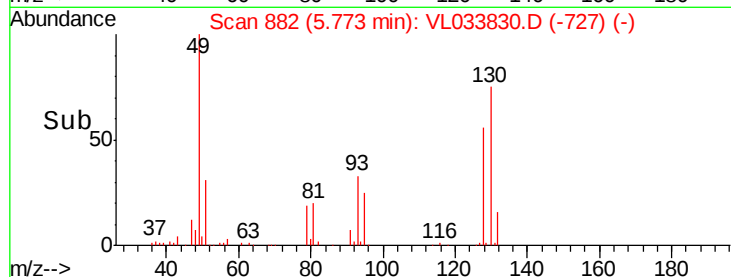
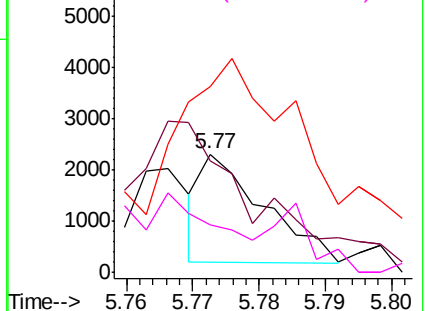


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.036 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

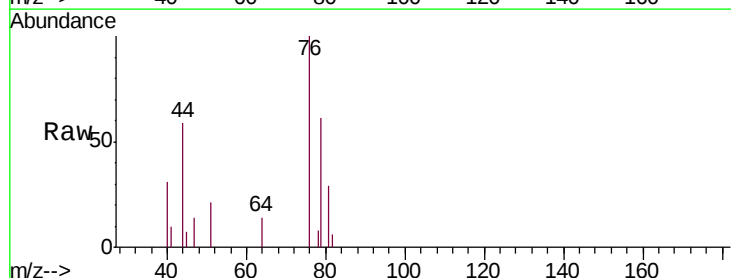
Tgt Ion: 76 Resp: 3694

Ion Ratio Lower Upper

76 100

44 86.0 13.8 20.8#

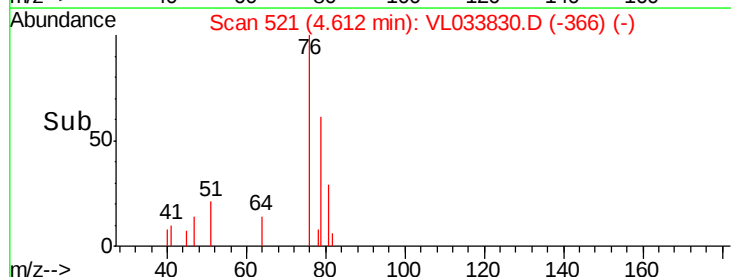
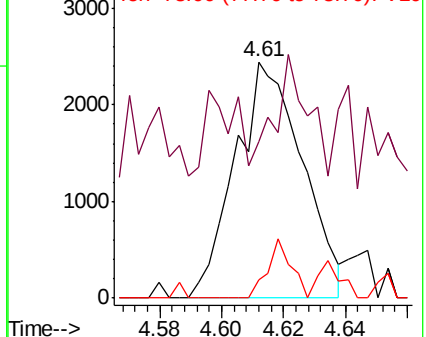
78 16.0 7.4 11.0#

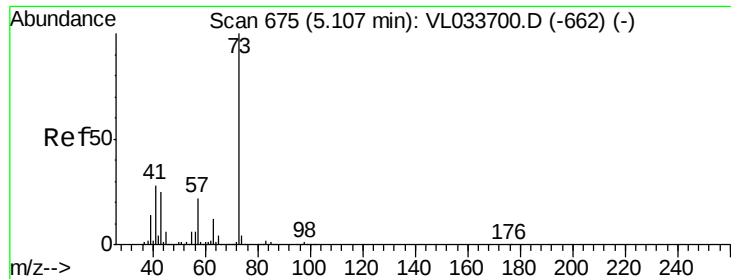


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

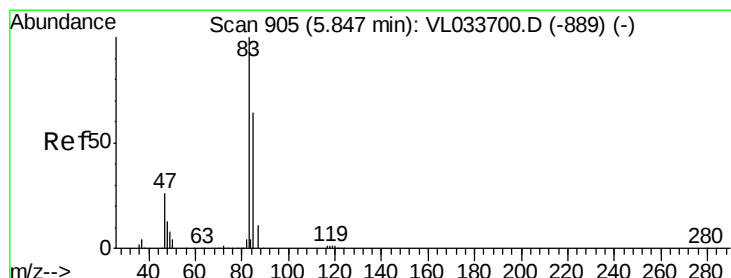
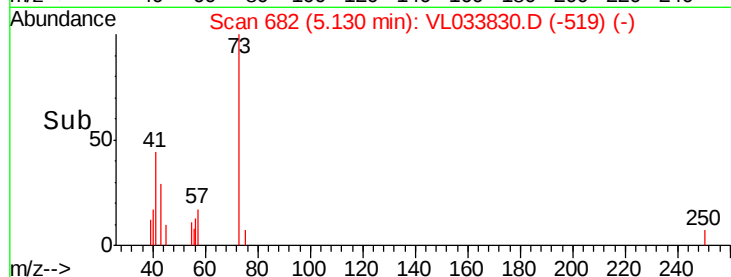
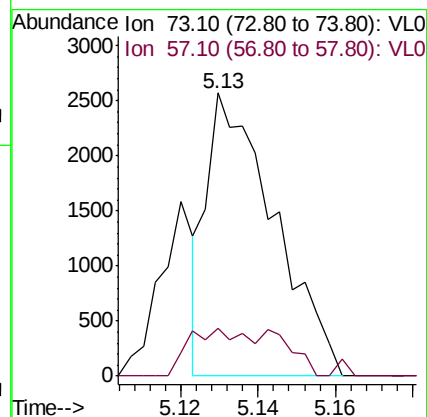
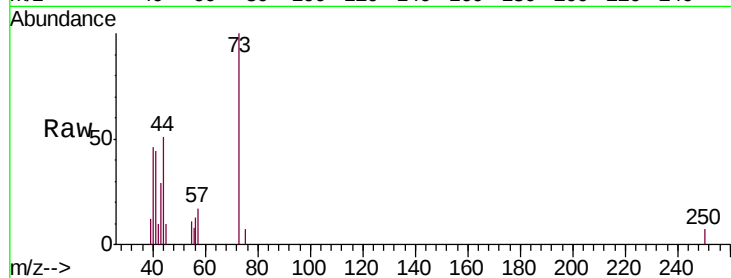




#28
Methyl tert-Butyl Ether
Concen: 0.025 ppbv
RT: 5.13 min Scan# 682
Delta R.T. 0.02 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

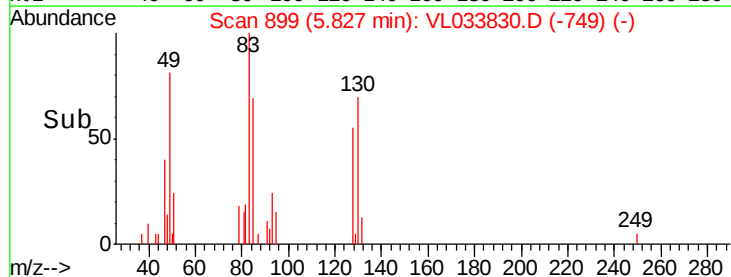
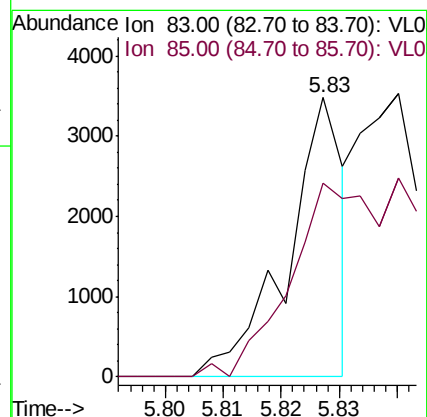
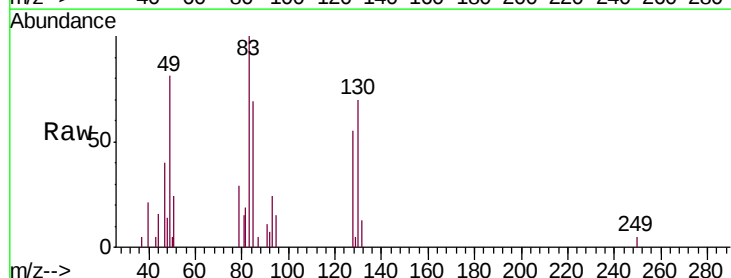
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

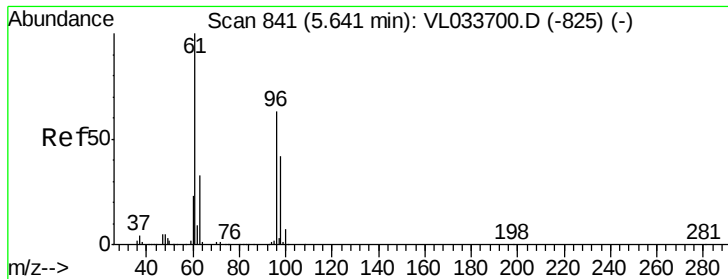
Tgt Ion: 73 Resp: 3102
Ion Ratio Lower Upper
73 100
57 23.6 17.4 26.2



#29
Chloroform
Concen: 0.017 ppbv
RT: 5.83 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

Tgt Ion: 83 Resp: 2335
Ion Ratio Lower Upper
83 100
85 69.4 51.5 77.3





#31

cis-1,2-Dichloroethene

Concen: 0.016 ppbv

RT: 5.63 min Scan# 837

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

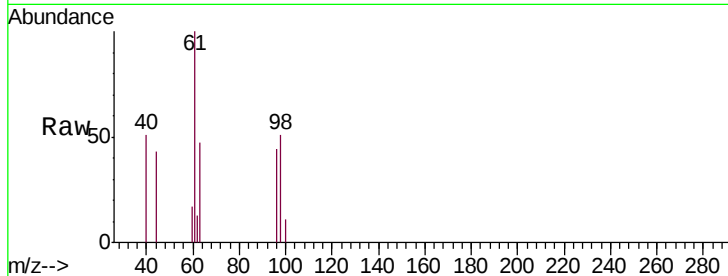
Tgt Ion: 61 Resp: 1204

Ion Ratio Lower Upper

61 100

96 26.5 50.8 76.2#

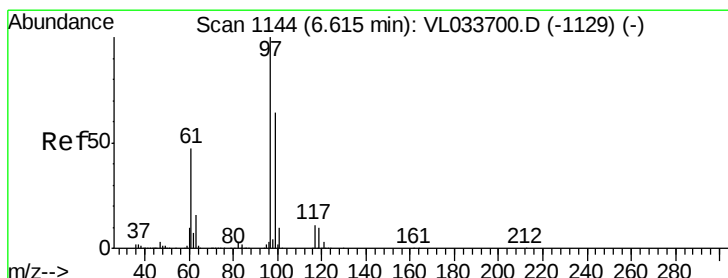
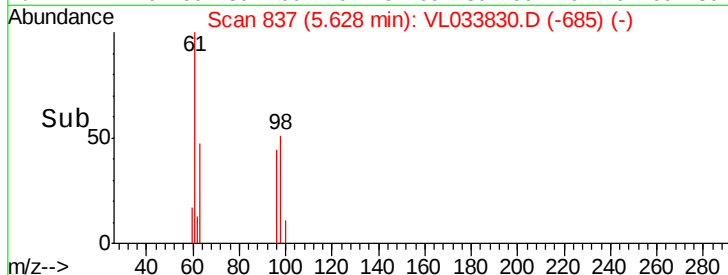
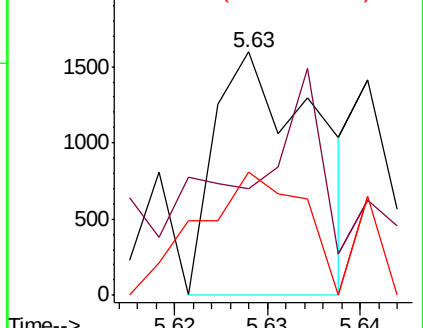
98 50.8 33.3 49.9#



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.010 ppbv

RT: 6.60 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

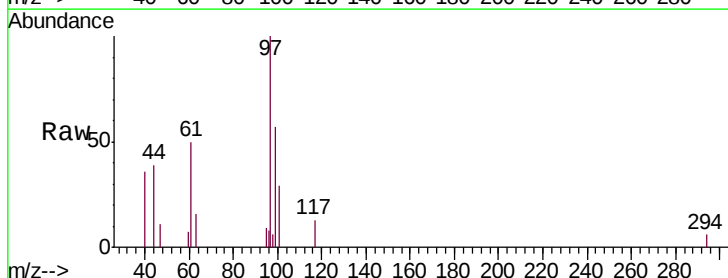
Tgt Ion: 97 Resp: 1392

Ion Ratio Lower Upper

97 100

99 272.0 51.5 77.3#

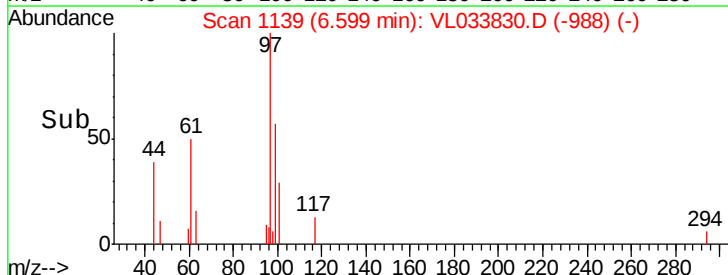
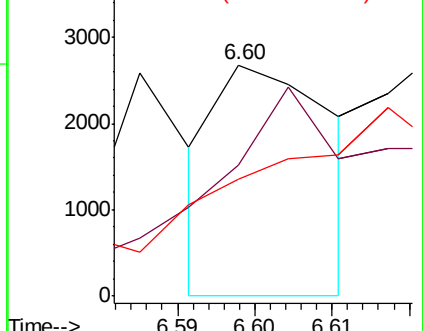
61 0.0 37.8 56.8#

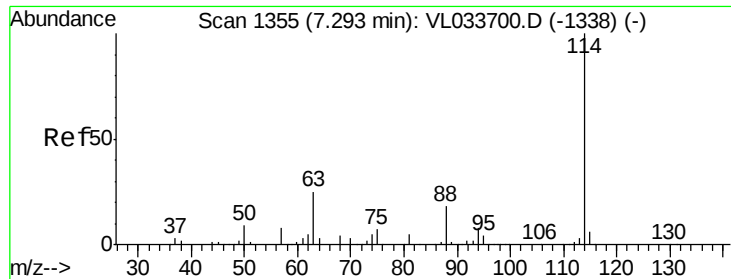


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

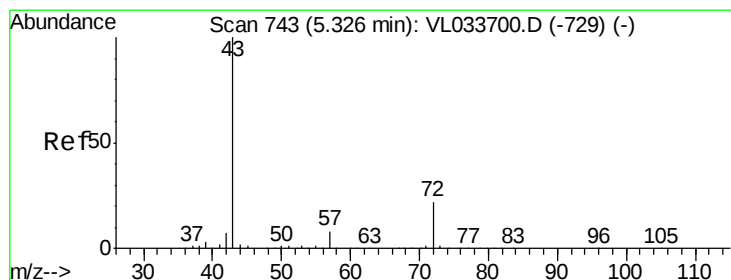
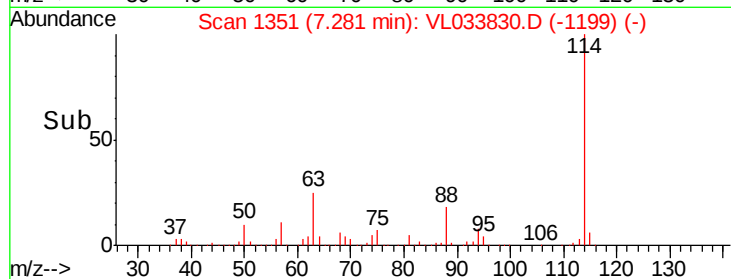
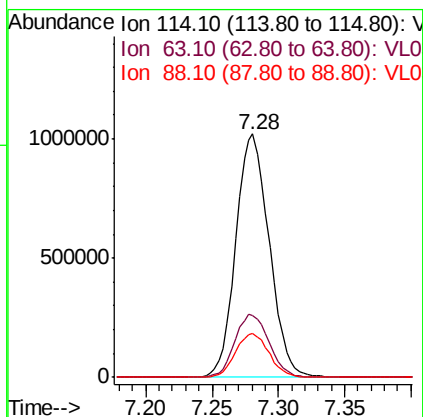
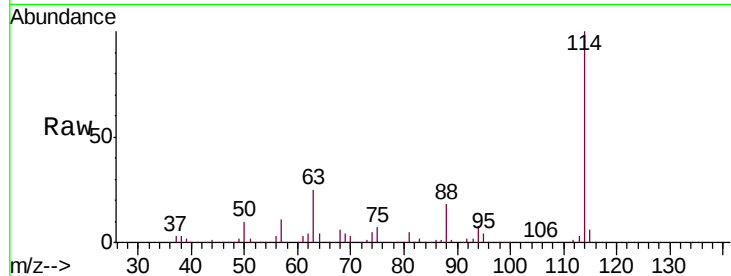




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

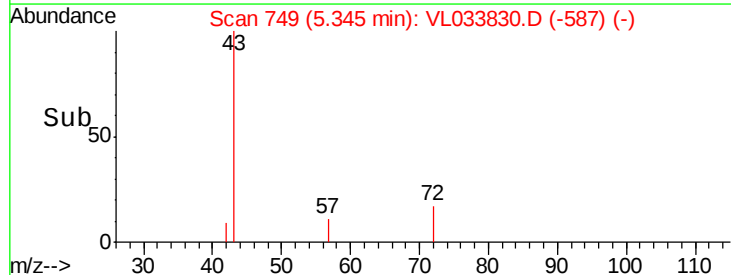
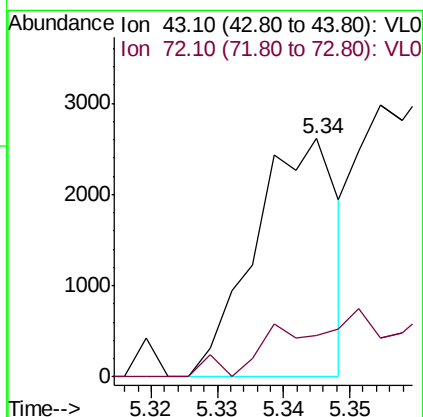
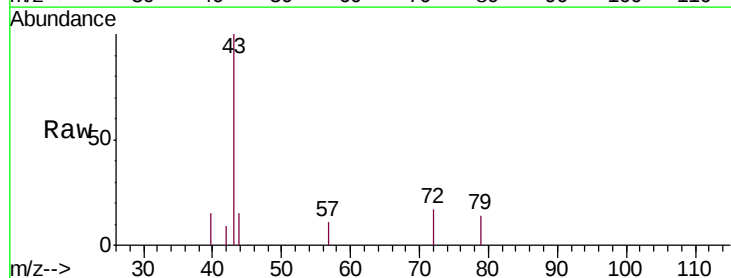
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

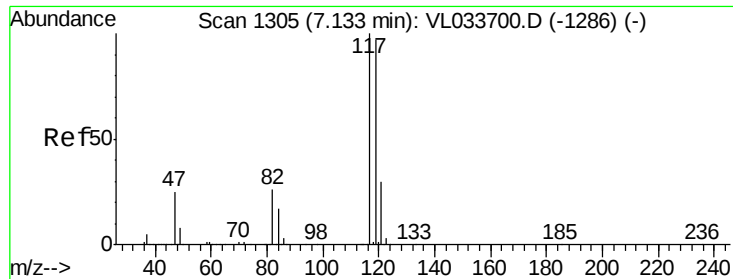
Tgt Ion:114 Resp: 1788199
 Ion Ratio Lower Upper
 114 100
 63 26.7 20.9 31.3
 88 18.1 14.3 21.5



#34
 2-Butanone
 Concen: 0.020 ppbv
 RT: 5.34 min Scan# 749
 Delta R.T. 0.02 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

Tgt Ion: 43 Resp: 2269
 Ion Ratio Lower Upper
 43 100
 72 45.6 17.8 26.6#





#35

Carbon Tetrachloride

Concen: 0.034 ppbv

RT: 7.12 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

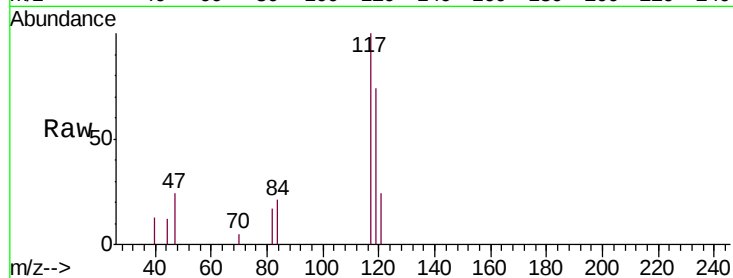
Tgt Ion: 117 Resp: 4852

Ion Ratio Lower Upper

117 100

119 60.8 77.2 115.8#

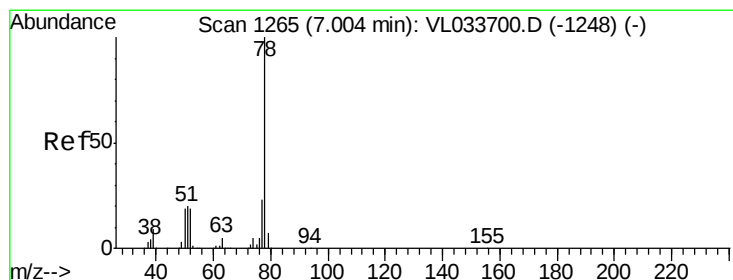
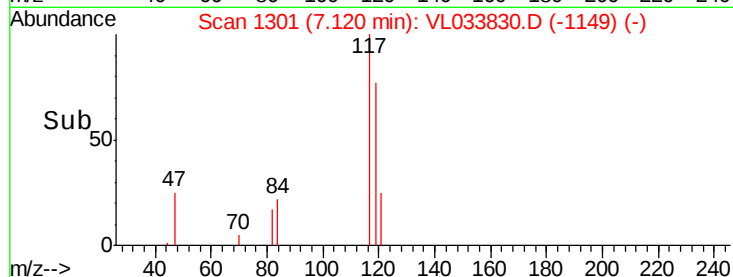
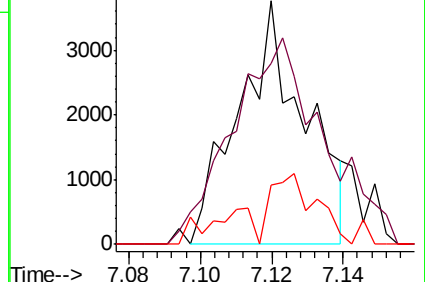
121 20.0 24.1 36.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.016 ppbv

RT: 6.99 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

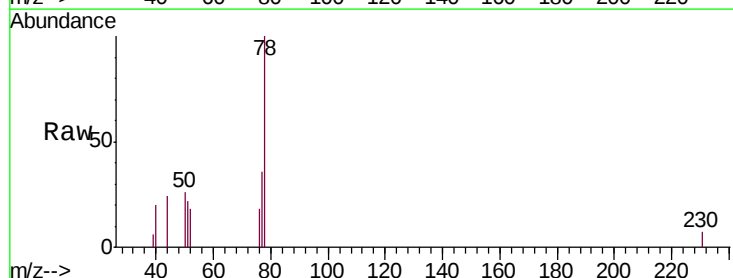
Tgt Ion: 78 Resp: 2624

Ion Ratio Lower Upper

78 100

77 62.7 18.4 27.6#

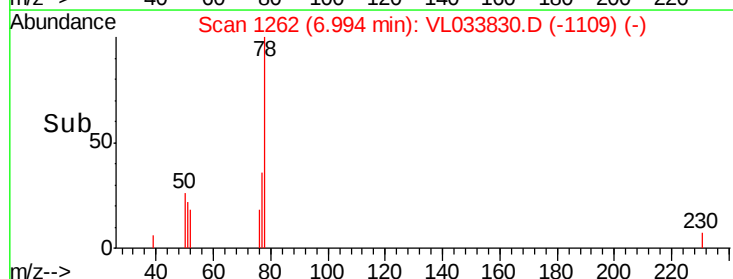
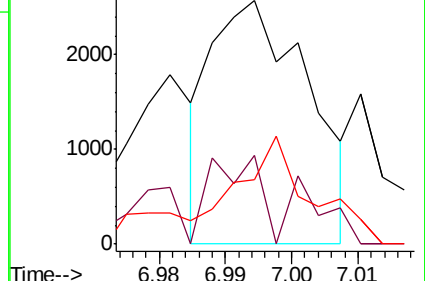
50 28.7 15.5 23.3#

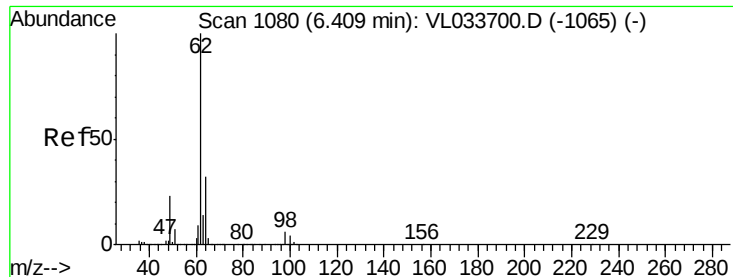


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

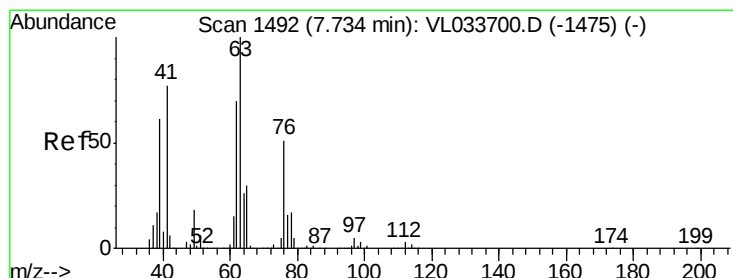
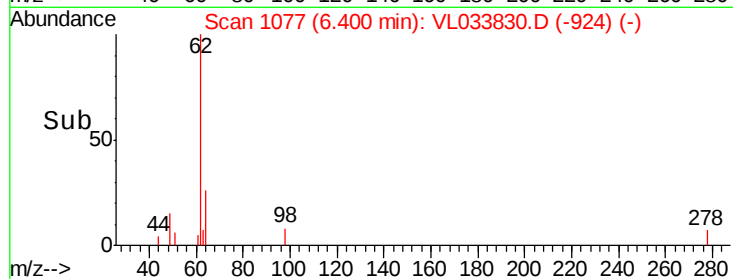
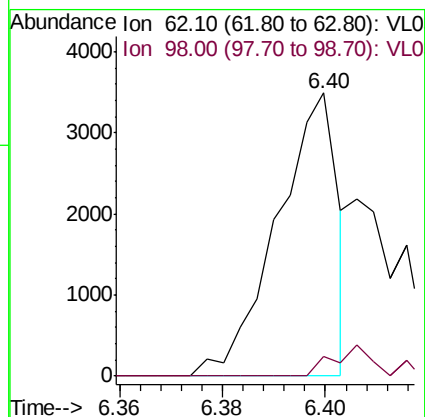
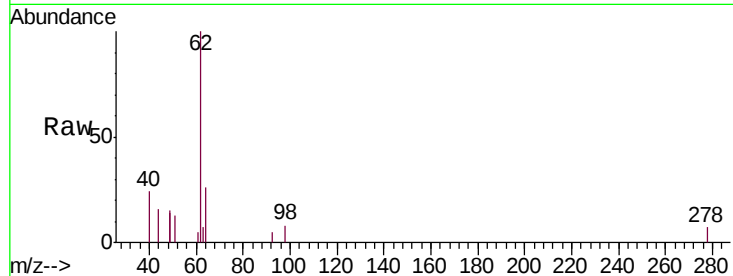




#37
 1,2-Dichloroethane
 Concen: 0.027 ppbv
 RT: 6.40 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

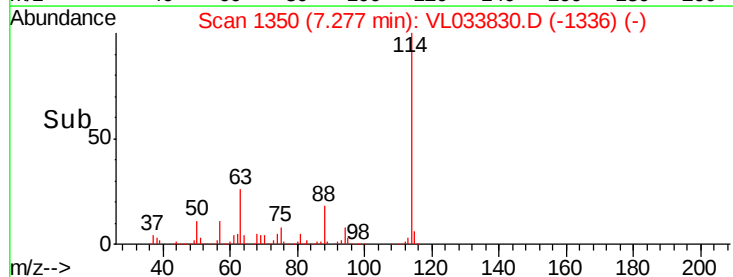
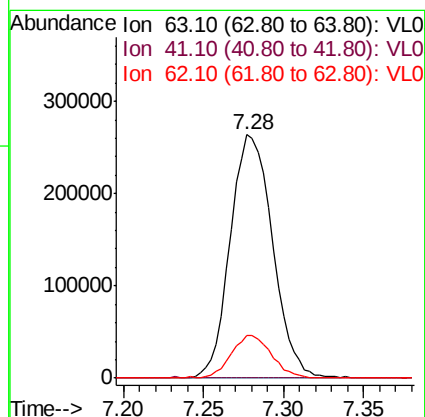
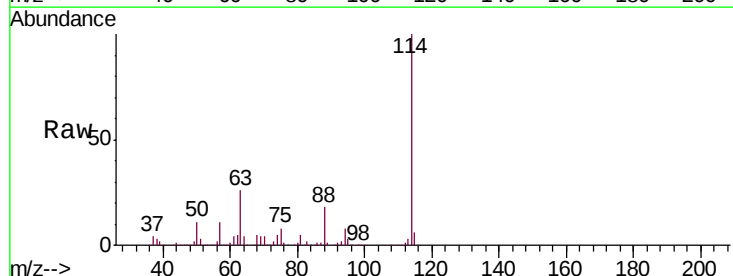
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

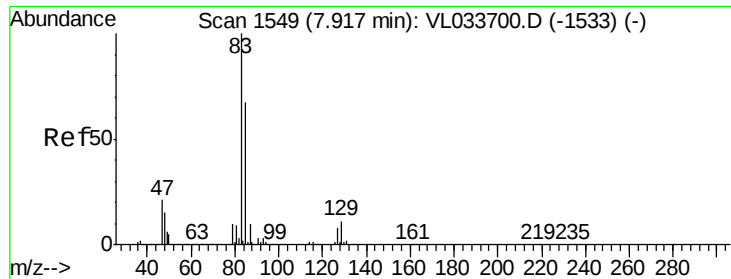
Tgt Ion: 62 Resp: 2848
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.5 6.7#



#39
 1,2-Dichloropropane
 Concen: 7.850 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.46 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

Tgt Ion: 63 Resp: 476045
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 17.5 56.2 84.4#





#42

Bromodichloromethane

Concen: 0.018 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

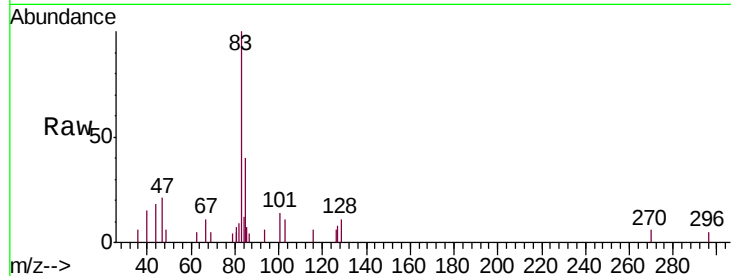
Tgt Ion: 83 Resp: 2525

Ion Ratio Lower Upper

83 100

85 19.2 53.3 79.9#

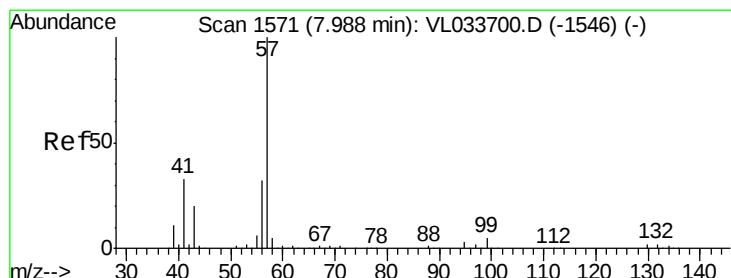
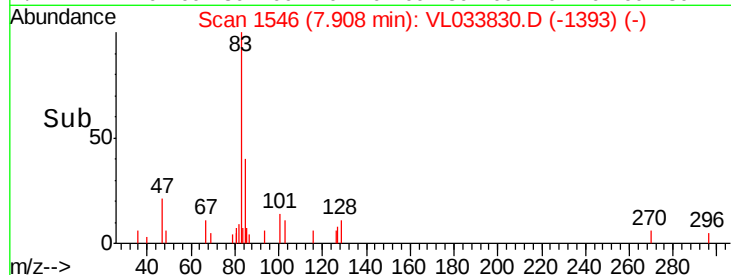
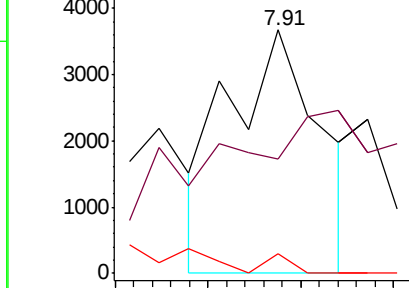
127 13.8 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.016 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

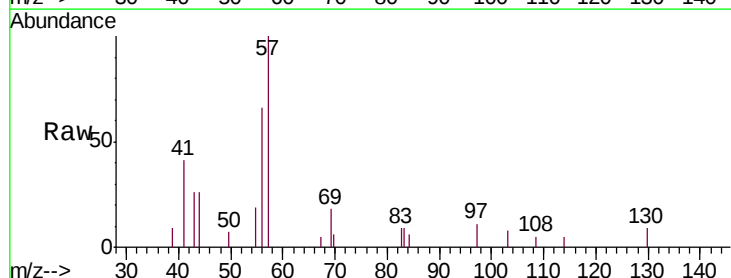
Tgt Ion: 57 Resp: 4475

Ion Ratio Lower Upper

57 100

41 65.9 25.4 38.0#

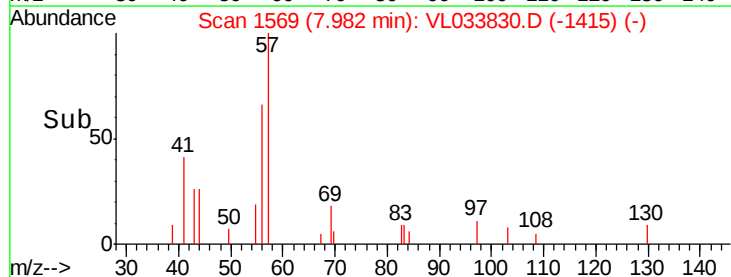
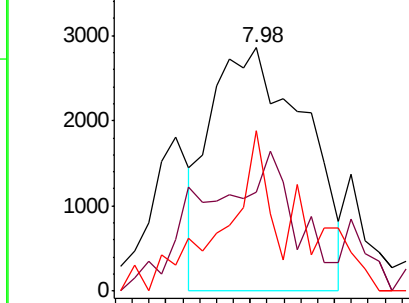
56 49.9 24.7 37.1#

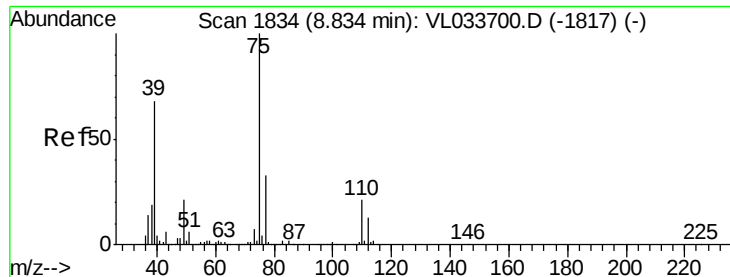


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#46

cis-1,3-Dichloropropene

Concen: 0.011 ppbv

RT: 8.82 min Scan# 1829

Delta R.T. -0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

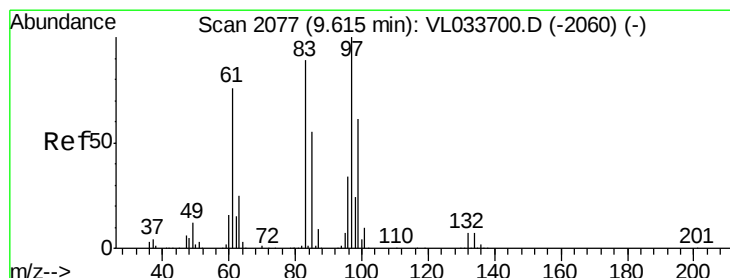
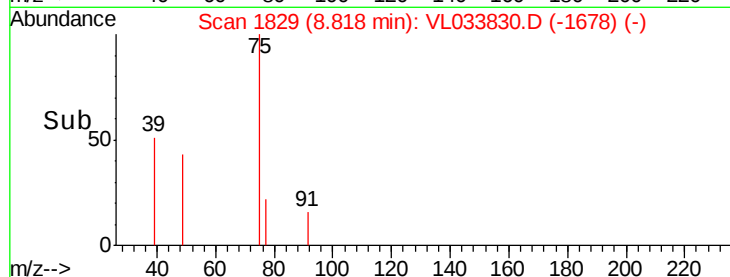
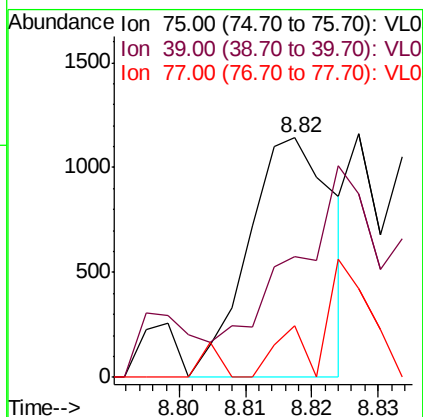
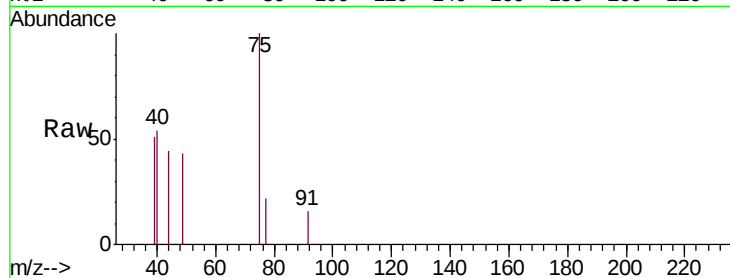
Tgt Ion: 75 Resp: 1015

Ion Ratio Lower Upper

75 100

39 32.6 54.4 81.6#

77 21.6 26.6 39.8#



#47

1,1,2-Trichloroethane

Concen: 0.016 ppbv

RT: 9.60 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Tgt Ion: 97 Resp: 1105

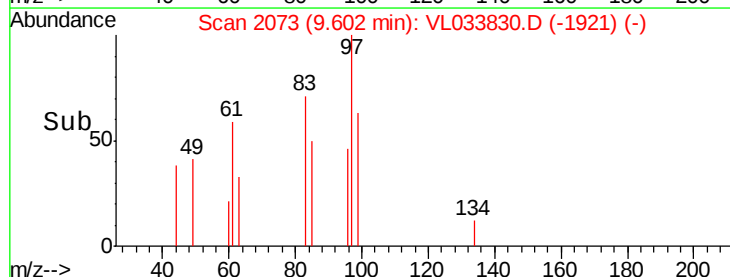
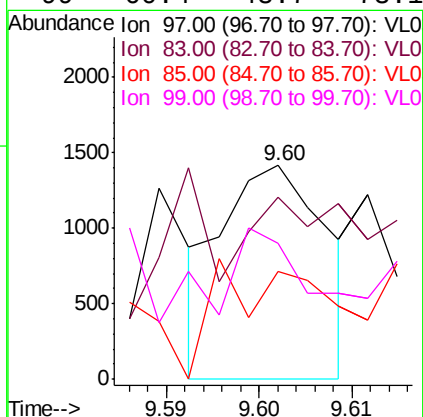
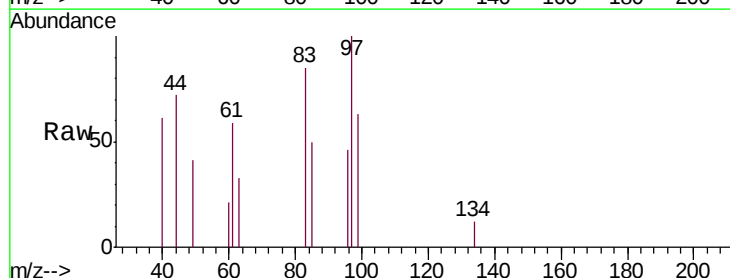
Ion Ratio Lower Upper

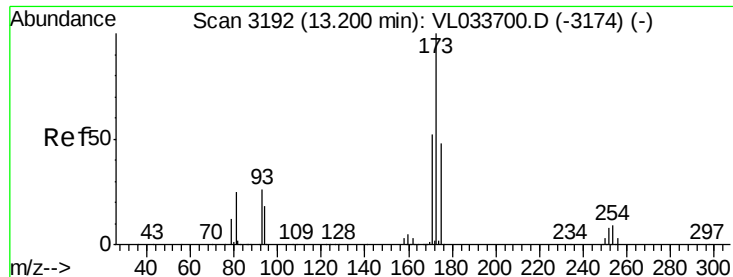
97 100

83 8.7 70.8 106.2#

85 131.5 43.7 65.5#

99 60.4 48.7 73.1





#49

Bromoform

Concen: 0.012 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Instrument :

MSVOA_L

ClientSampled :

VIBLK

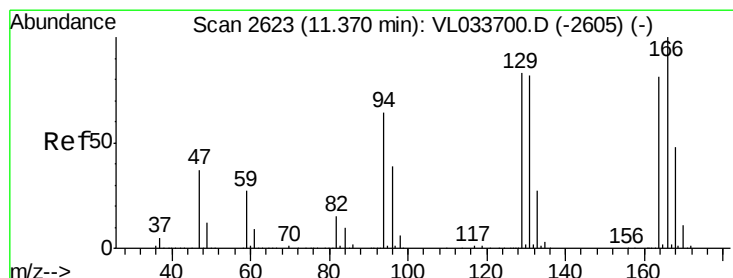
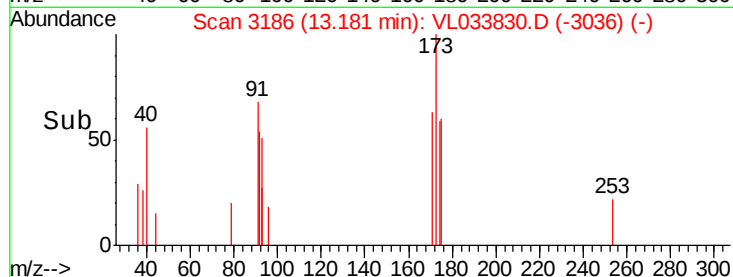
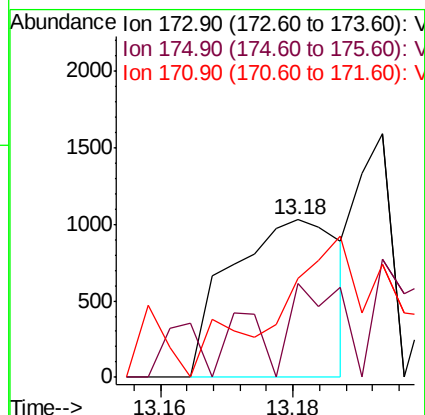
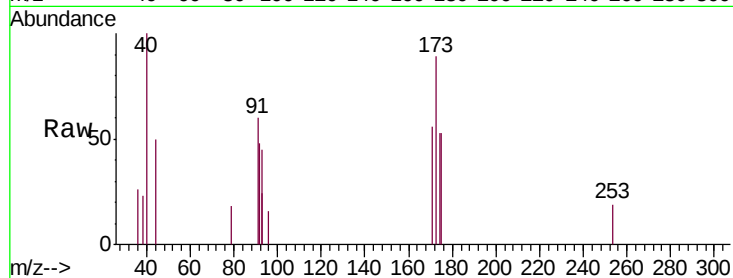
Tgt Ion:173 Resp: 1174

Ion Ratio Lower Upper

173 100

175 0.0 38.6 58.0#

171 0.0 41.5 62.3#



#52

Tetrachloroethene

Concen: 0.020 ppbv

RT: 11.35 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Tgt Ion:164 Resp: 1122

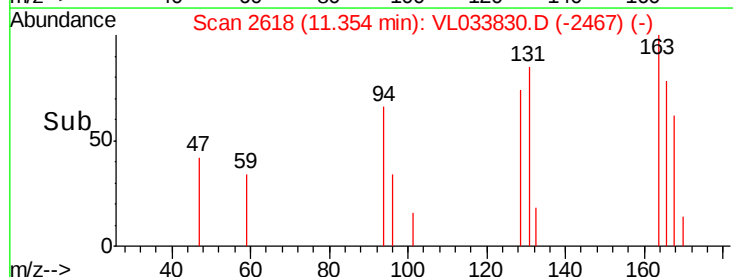
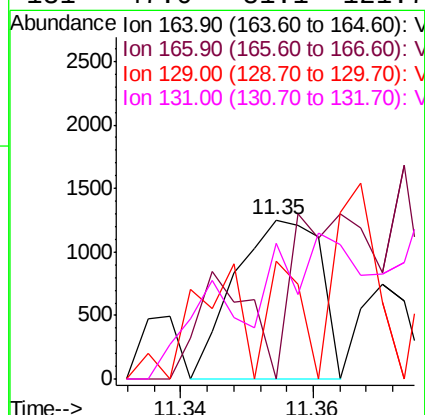
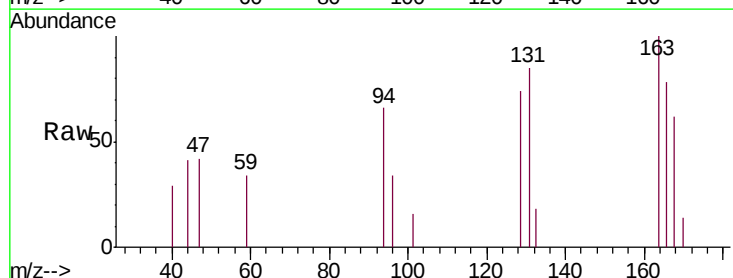
Ion Ratio Lower Upper

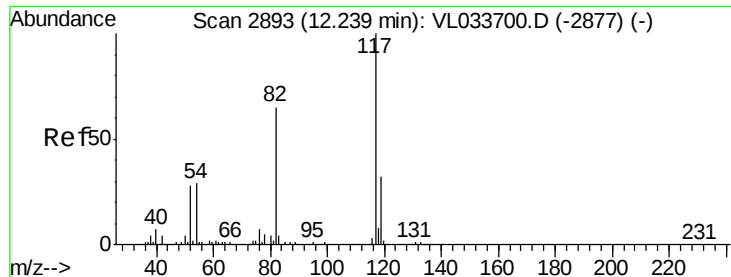
164 100

166 0.0 98.9 148.3#

129 18.3 81.8 122.6#

131 47.0 81.1 121.7#

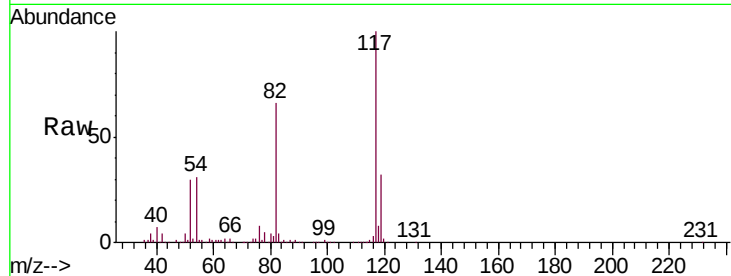




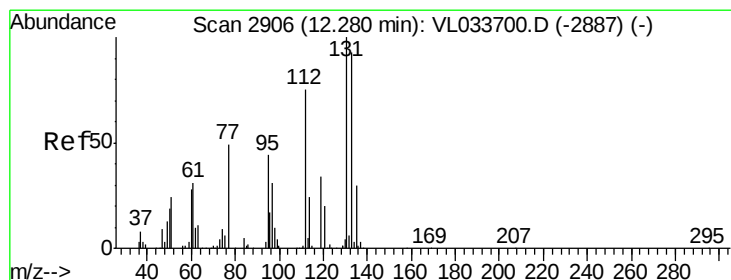
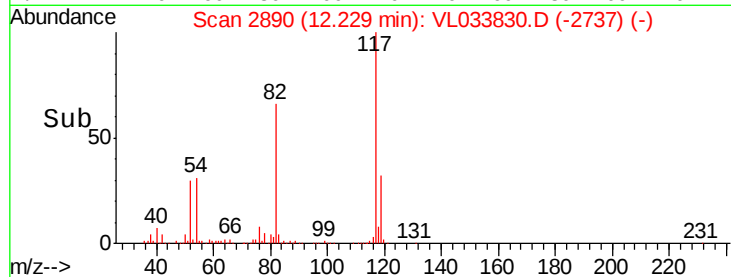
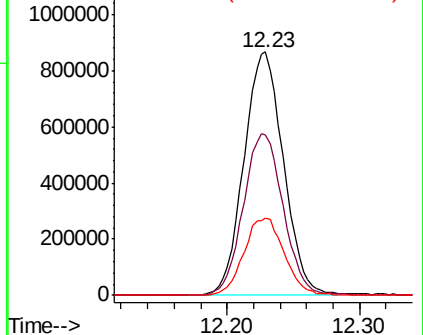
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1796666
Ion Ratio Lower Upper
117 100
82 67.8 49.4 74.0
119 32.6 24.9 37.3

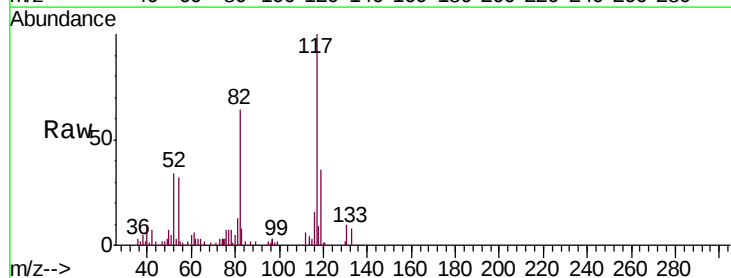


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

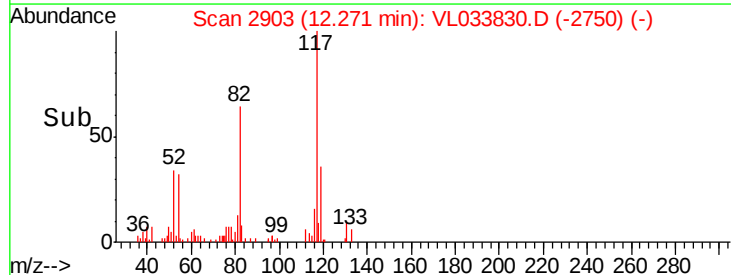
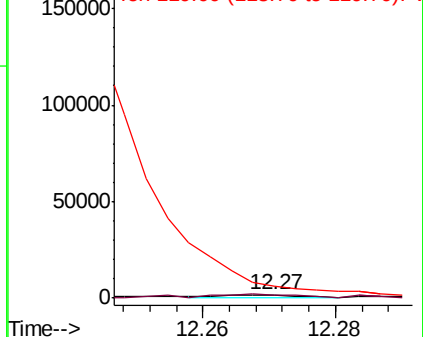


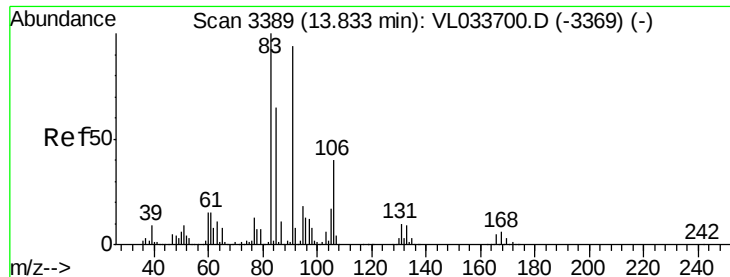
#56
1,1,1,2-Tetrachloroethane
Concen: 0.018 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033830.D
Acq: 29 May 2019 9:28

Tgt Ion:131 Resp: 1480
Ion Ratio Lower Upper
131 100
133 207.2 76.6 114.8#
119 0.0 49.0 73.4#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

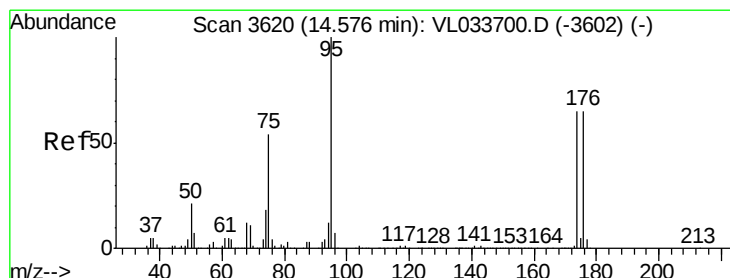
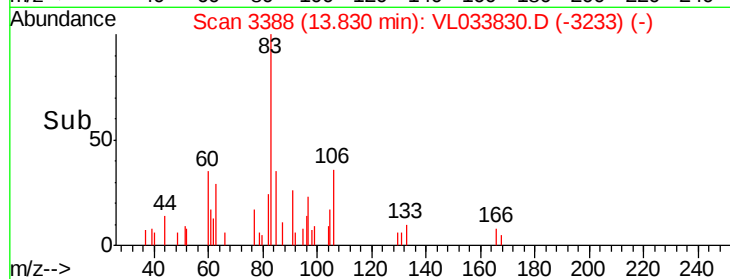
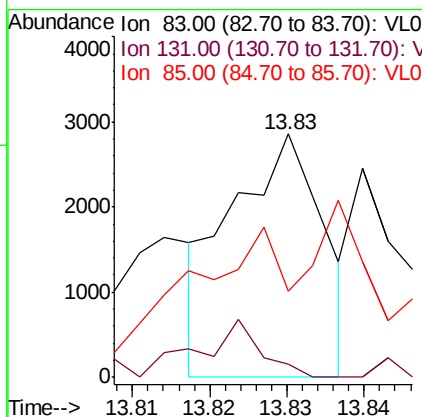
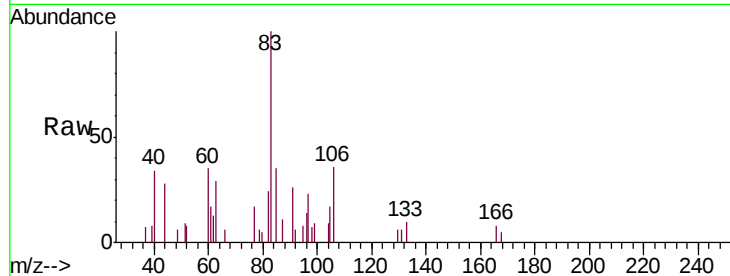




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.016 ppbv
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

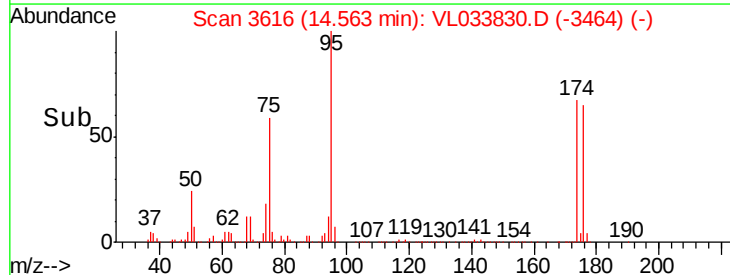
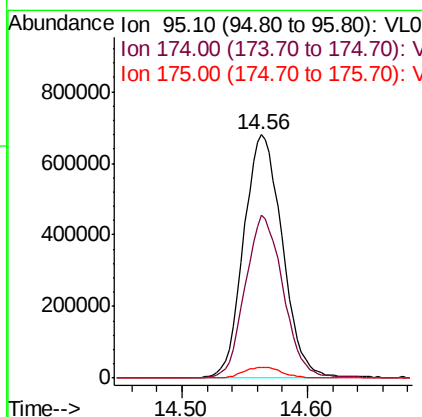
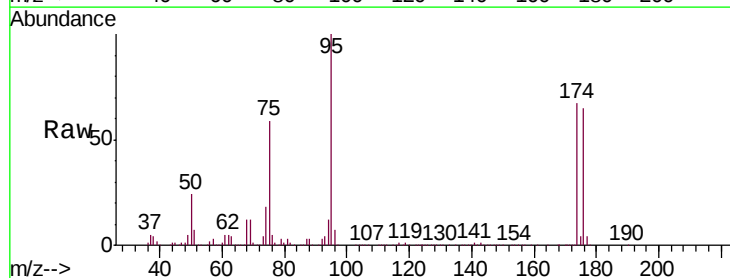
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

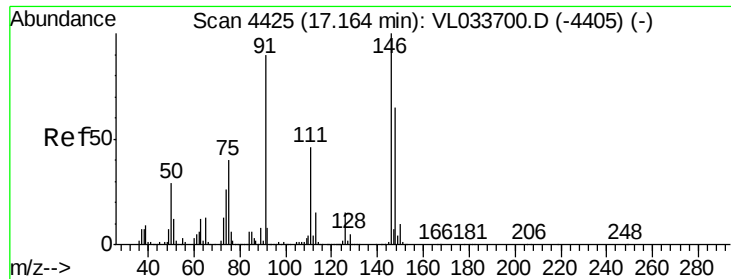
Tgt Ion: 83 Resp: 2377
 Ion Ratio Lower Upper
 83 100
 131 19.4 4.8 14.3#
 85 0.0 32.3 96.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.024 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033830.D
 Acq: 29 May 2019 9:28

Tgt Ion: 95 Resp: 1459962
 Ion Ratio Lower Upper
 95 100
 174 66.4 53.9 80.9
 175 4.6 3.8 5.8





#75

1,3-Dichlorobenzene

Concen: 0.034 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

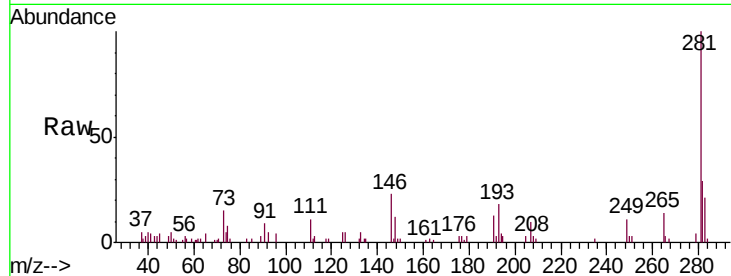
Instrument :

MSVOA_L

ClientSampleId :

VIBLK

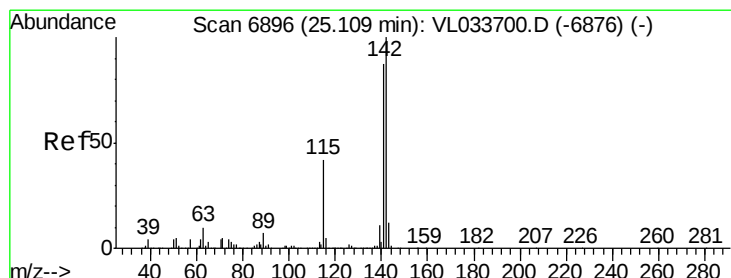
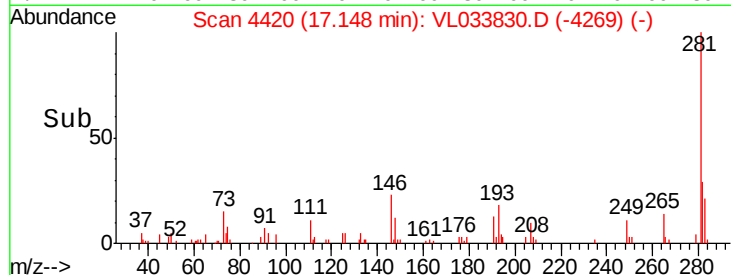
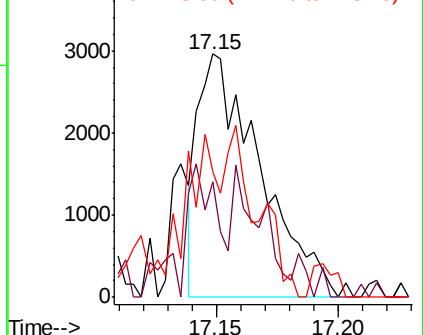
Tgt Ion:	146	Resp:	5245
Ion	Ratio	Lower	Upper
146	100		
111	64.1	22.9	68.8
148	86.7	32.0	96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#80

Naphthalene, 2-methyl-

Concen: 0.017 ppbv

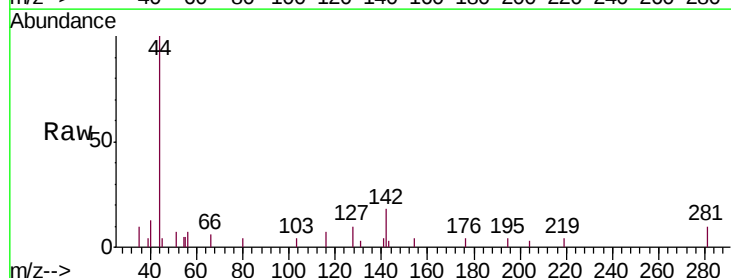
RT: 25.13 min Scan# 6901

Delta R.T. 0.02 min

Lab File: VL033830.D

Acq: 29 May 2019 9:28

Tgt Ion:	142	Resp:	1572
Ion	Ratio	Lower	Upper
142	100		
141	68.2	67.2	100.8
115	31.7	34.1	51.1#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

