

Data File : VL033837.D

Acq On : 29 May 2019 14:20

Operator : SY/AP

Sample : VIBLK

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: May 30 01:11:21 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	879401	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2444937	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	2266870	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1779622	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.22	85	13072	0.071	ppbv	92
3) Chlorodifluoromethane	3.01	51	9454	0.094	ppbv	100
4) Chloromethane	3.17	50	4298	0.075	ppbv #	83
5) Vinyl Chloride	3.29	62	4513	0.077	ppbv	100
6) Bromomethane	3.51	94	2619	0.073	ppbv #	41
7) Chloroethane	3.59	64	470	0.023	ppbv #	75
8) Dichlorotetrafluoroethane	3.22	85	13072	0.087	ppbv	94
9) Propene	3.03	41	9810	0.229	ppbv	84
10) Heptane	8.24	43	1557	0.013	ppbv #	26
11) Trichlorofluoromethane	4.00	101	12857	0.073	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.54	101	5047	0.041	ppbv #	27
13) Ethanol	3.65	45	324	0.023	ppbv #	38
14) Bromoethene	3.79	108	1348	0.030	ppbv #	1
15) Acetone	3.92	43	58201	0.477	ppbv	96
16) 1,3-Butadiene	3.36	39	1522	0.031	ppbv #	6
18) 1,1-Dichloroethene	4.35	96	1395	0.027	ppbv #	52
19) Isopropyl Alcohol	4.05	45	7272	0.092	ppbv #	94
20) Methylene Chloride	4.41	84	4948	0.105	ppbv #	81
21) Allyl Chloride	4.47	41	1422	0.019	ppbv #	1
22) trans-1,2-Dichloroethene	4.95	96	949	0.018	ppbv #	63
23) Vinyl Acetate	5.15	43	11968	0.074	ppbv #	85
24) 1,1-Dichloroethane	5.08	63	6454	0.053	ppbv	99
25) Ethyl Acetate	5.78	43	9688	0.045	ppbv #	76
26) Hexane	5.77	57	8487	0.092	ppbv	87
27) Carbon Disulfide	4.62	76	3821	0.030	ppbv #	1
28) Methyl tert-Butyl Ether	5.13	73	11022	0.073	ppbv #	90
29) Chloroform	5.84	83	12193	0.072	ppbv	95
30) Cyclohexane	7.24	84	1769	0.023	ppbv #	1
31) cis-1,2-Dichloroethene	5.63	61	4429	0.048	ppbv #	90
32) 1,1,1-Trichloroethane	6.61	97	10635	0.063	ppbv	93
35) Carbon Tetrachloride	7.12	117	8990	0.046	ppbv	89
36) Benzene	6.99	78	8153	0.037	ppbv #	88
37) 1,2-Dichloroethane	6.40	62	7747	0.054	ppbv #	86
38) Trichloroethene	7.95	130	3430	0.042	ppbv #	41
39) 1,2-Dichloropropane	7.28	63	570579	6.881	ppbv #	22
41) Tetrahydrofuran	6.18	42	2751	0.032	ppbv #	36
42) Bromodichloromethane	7.90	83	3778	0.019	ppbv #	76
44) 2,2,4-Trimethylpentane	7.97	57	7601	0.020	ppbv #	43
45) t-1,3-Dichloropropene	9.41	75	1822	0.018	ppbv	92
46) cis-1,3-Dichloropropene	8.82	75	2111	0.017	ppbv #	73
47) 1,1,2-Trichloroethane	9.61	97	4414	0.047	ppbv #	63

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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	10.44	129	3371	0.021	ppbv	93
49) Bromoform	13.18	173	1552	0.011	ppbv #	1
52) Tetrachloroethene	11.35	164	1885	0.024	ppbv #	62
53) Toluene	9.92	91	3269	0.014	ppbv #	1
54) 1,2-Dibromoethane	10.74	107	3767	0.026	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.27	131	6007	0.057	ppbv #	1
57) Chlorobenzene	12.29	112	5763	0.031	ppbv #	86
59) m/p-Xylene	13.14	91	7945	0.030	ppbv #	1
60) o-Xylene	13.84	91	5952	0.023	ppbv #	33
61) Styrene	13.68	104	6504	0.037	ppbv	94
62) Isopropylbenzene	14.81	105	10674	0.030	ppbv #	73
63) 1,1,2,2-Tetrachloroethane	13.82	83	7339	0.038	ppbv #	47
64) n-propylbenzene	15.70	120	1343	0.015	ppbv #	1
66) Benzyl Chloride	17.15	91	2640	0.017	ppbv #	66
67) sec-Butylbenzene	17.44	105	11660	0.026	ppbv #	59
69) p-Isopropyltoluene	17.80	119	24105	0.064	ppbv	93
70) n-Butylbenzene	18.70	91	14430	0.036	ppbv #	41
71) 2-Chlorotoluene	15.61	91	8586	0.032	ppbv #	57
72) 4-Ethyltoluene	15.99	105	11208	0.037	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.15	105	13187	0.045	ppbv	93
74) 1,2,4-Trimethylbenzene	16.91	105	7450	0.023	ppbv #	28
75) 1,3-Dichlorobenzene	17.15	146	5378	0.027	ppbv #	1
76) 1,4-Dichlorobenzene	17.30	146	3085	0.016	ppbv #	1
77) 1,2-Dichlorobenzene	17.97	146	4061	0.022	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.53	225	4793	0.034	ppbv #	42
79) Naphthalene	22.40	128	4586	0.015	ppbv #	74
80) Naphthalene,2-methyl-	25.13	142	3521	0.031	ppbv #	93

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

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Instrument :

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ClientSampleId :

VIBLK

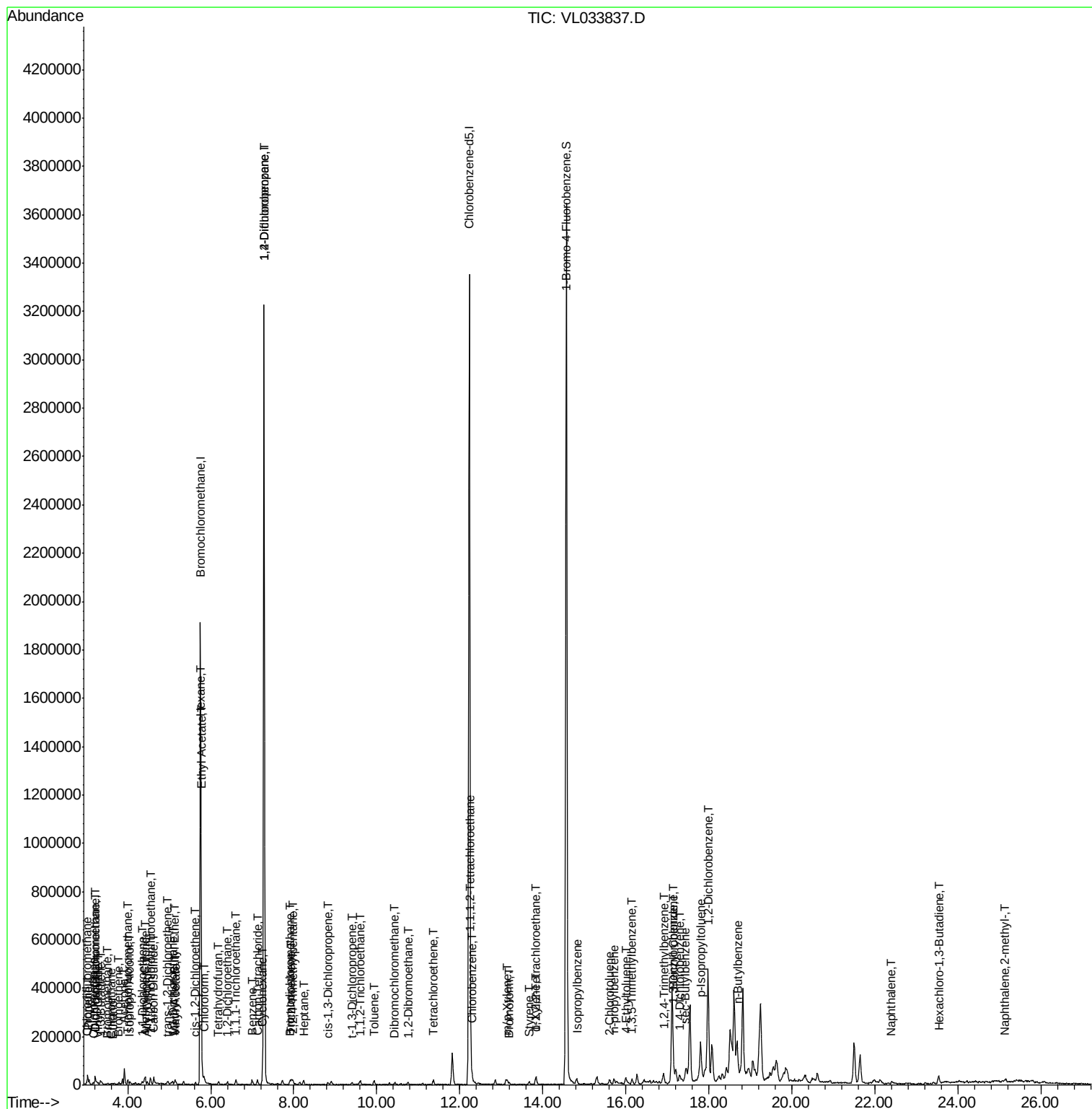
Quant Time: May 30 01:11:21 2019

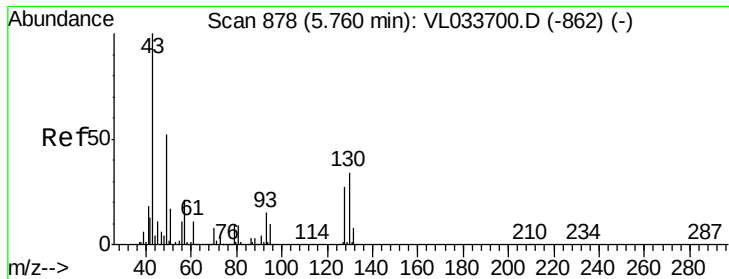
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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ClientSampleId :

VIBLK

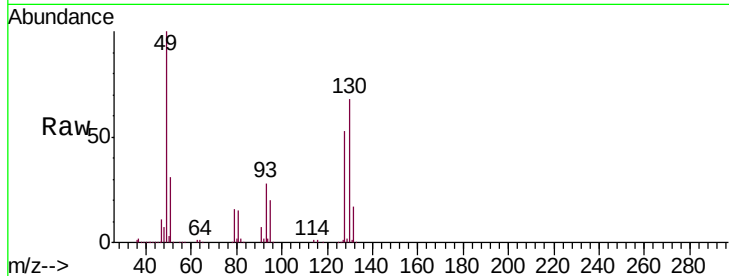
Tgt Ion: 49 Resp: 879401

Ion Ratio Lower Upper

49 100

128 52.8 25.2 75.6

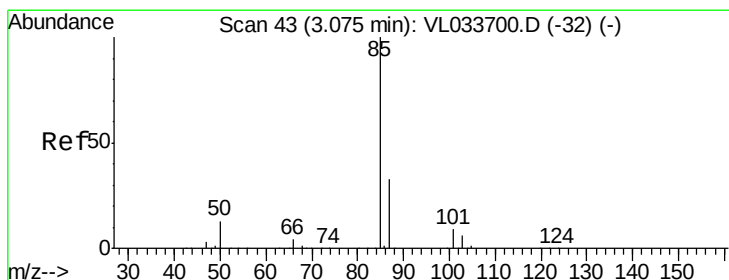
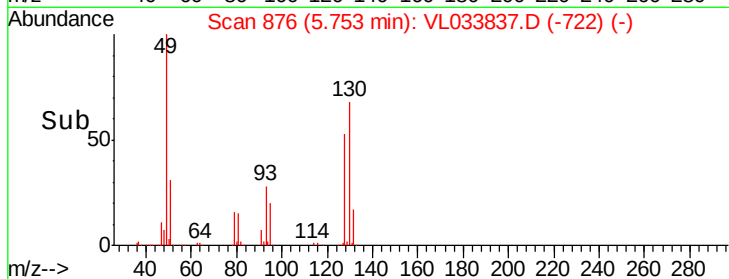
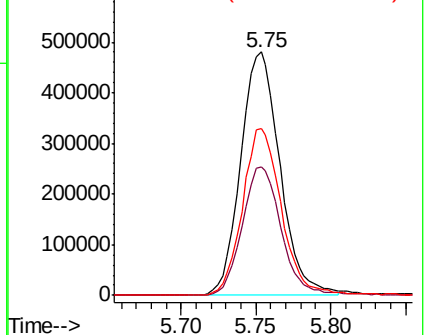
130 68.4 32.5 97.5



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: 0.071 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.14 min

Lab File: VL033837.D

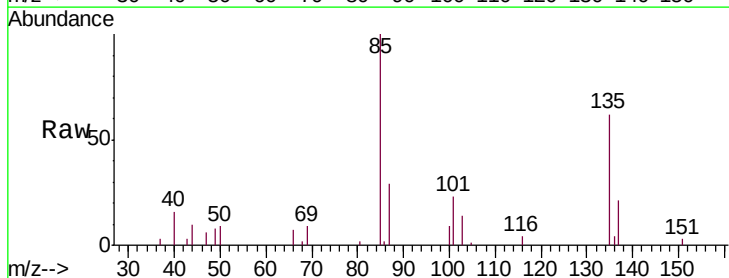
Acq: 29 May 2019 14:20

Tgt Ion: 85 Resp: 13072

Ion Ratio Lower Upper

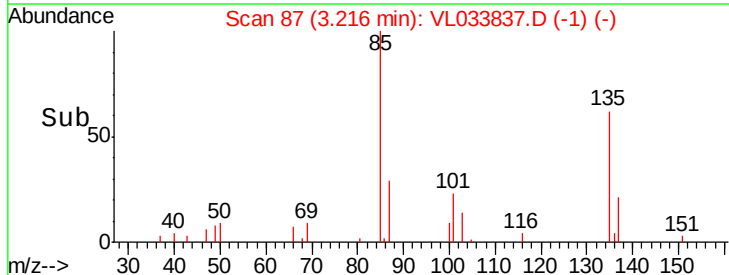
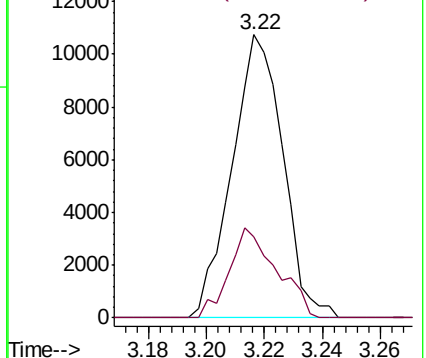
85 100

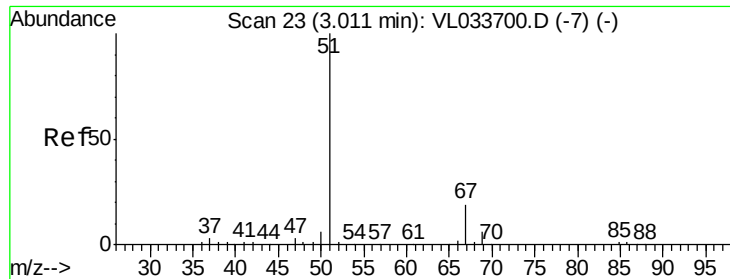
87 28.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

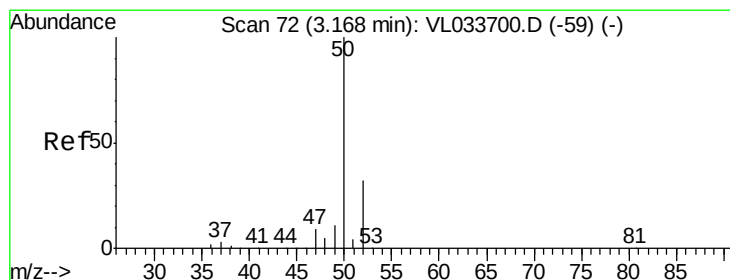
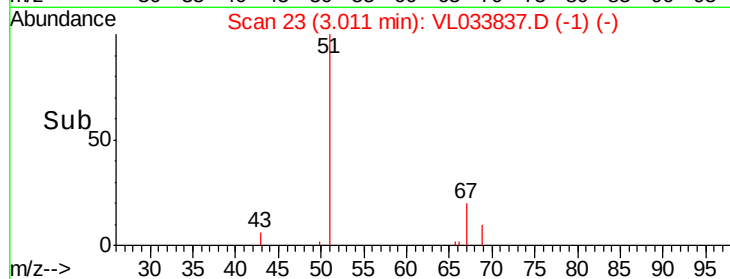
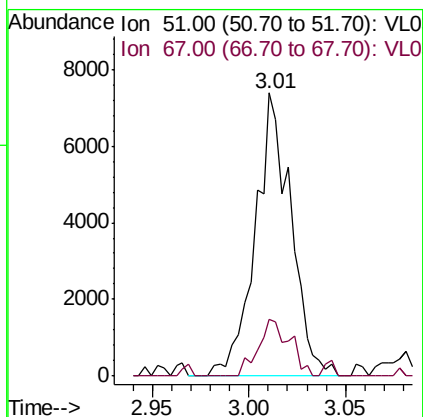
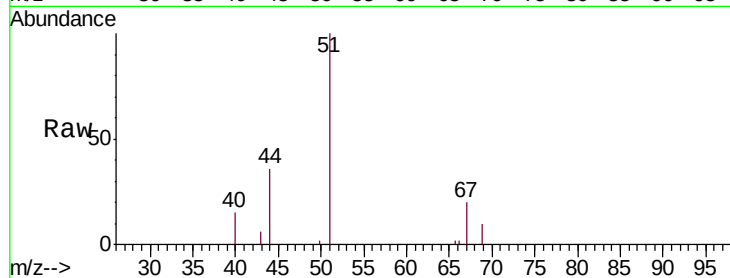




#3
 Chlorodifluoromethane
 Concen: 0.094 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

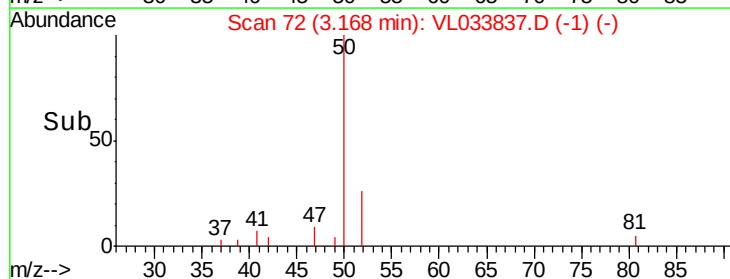
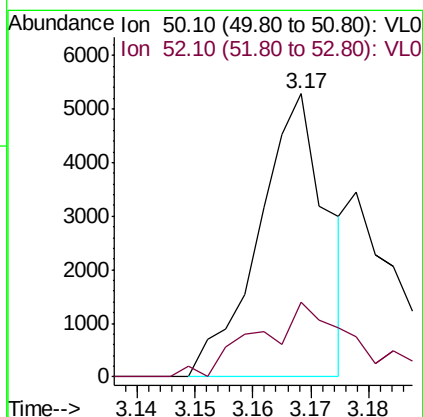
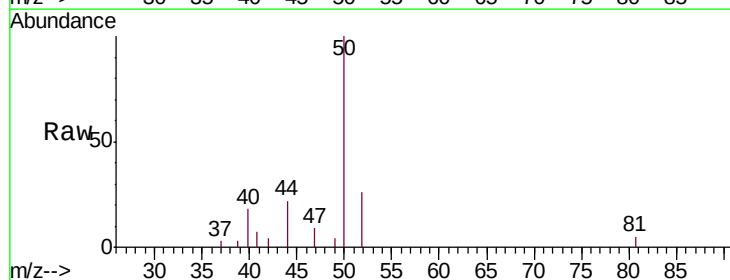
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

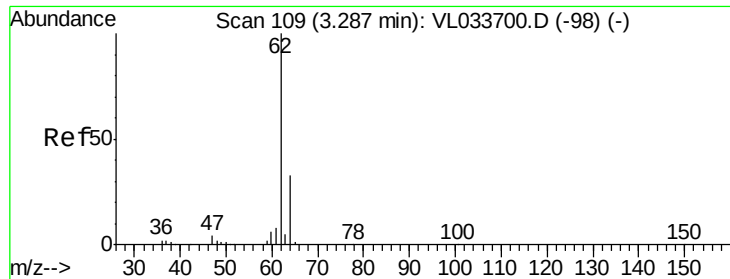
Tgt Ion: 51 Resp: 9454
 Ion Ratio Lower Upper
 51 100
 67 19.4 15.6 23.4



#4
 Chloromethane
 Concen: 0.075 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

Tgt Ion: 50 Resp: 4298
 Ion Ratio Lower Upper
 50 100
 52 22.5 25.7 38.5#





#5

Vinyl Chloride

Concen: 0.077 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

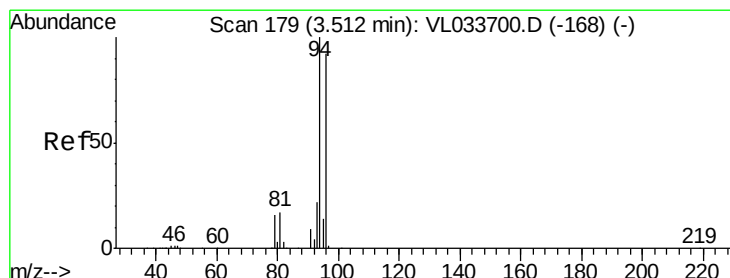
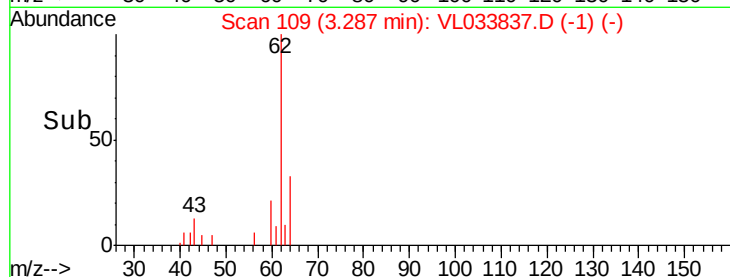
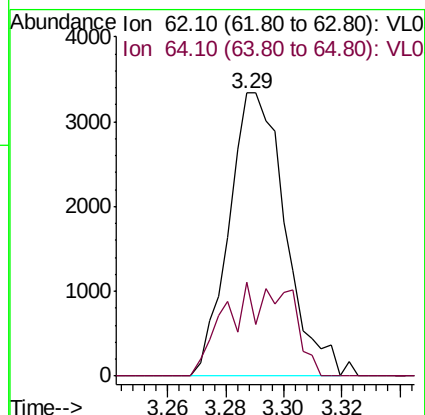
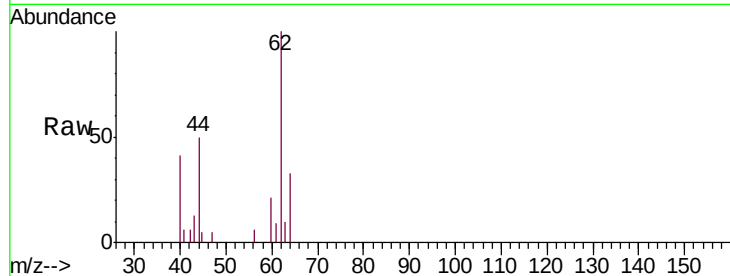
VIBLK

Tgt Ion: 62 Resp: 4513

Ion Ratio Lower Upper

62 100

64 33.1 26.4 39.6



#6

Bromomethane

Concen: 0.073 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033837.D

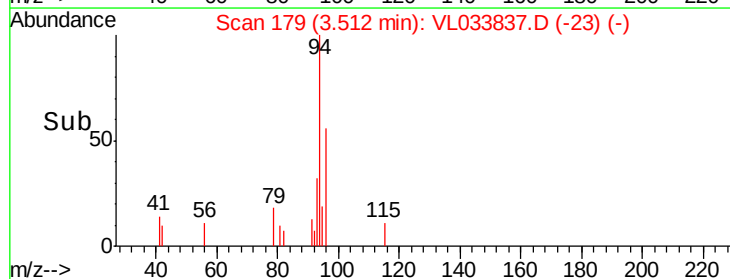
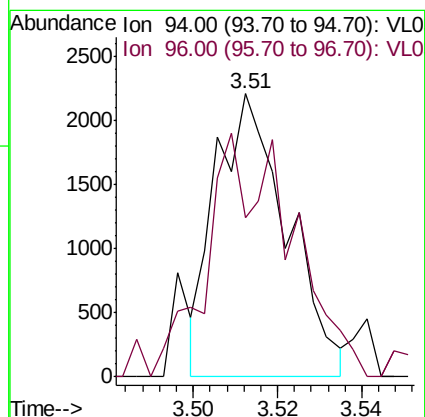
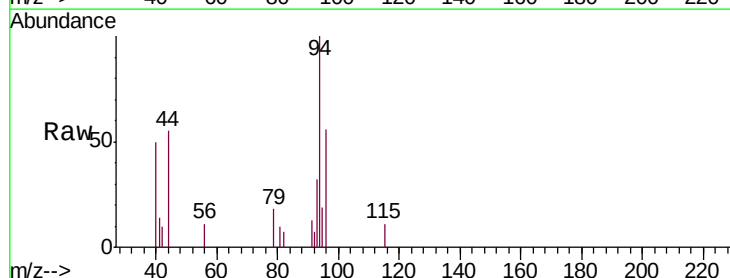
Acq: 29 May 2019 14:20

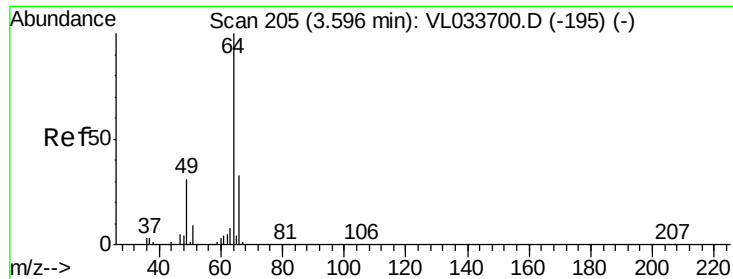
Tgt Ion: 94 Resp: 2619

Ion Ratio Lower Upper

94 100

96 36.1 73.6 110.4#





#7

Chloroethane

Concen: 0.023 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

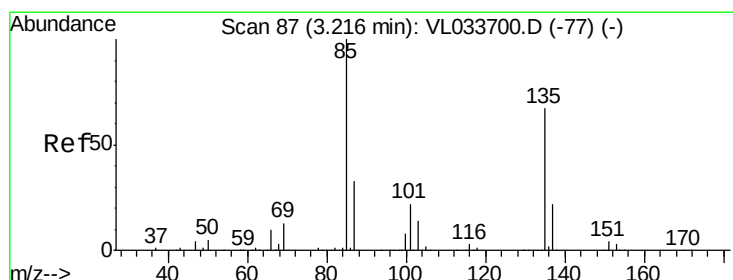
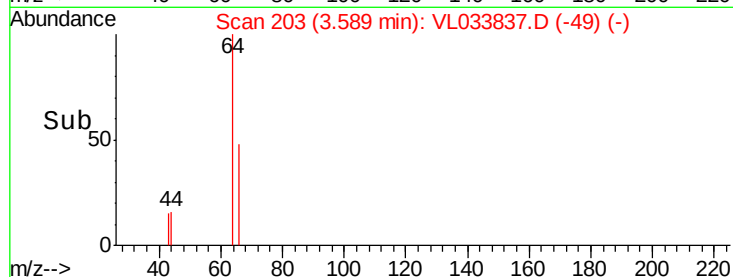
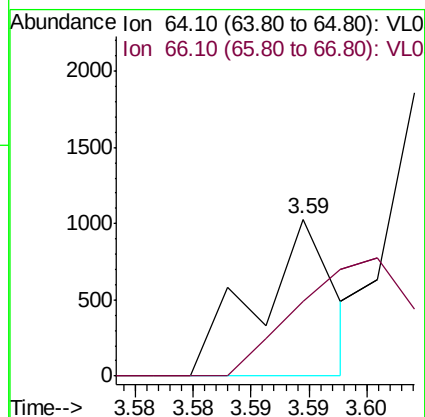
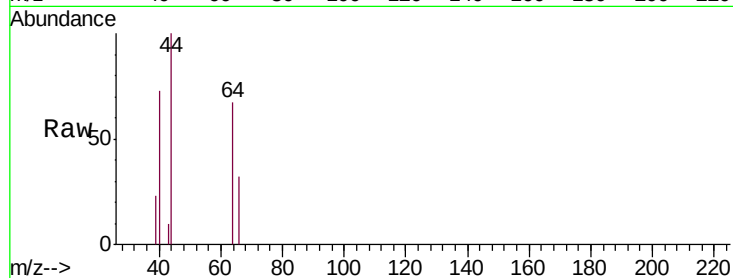
VIBLK

Tgt Ion: 64 Resp: 470

Ion Ratio Lower Upper

64 100

66 47.5 26.6 40.0#



#8

Dichlorotetrafluoroethane

Concen: 0.087 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033837.D

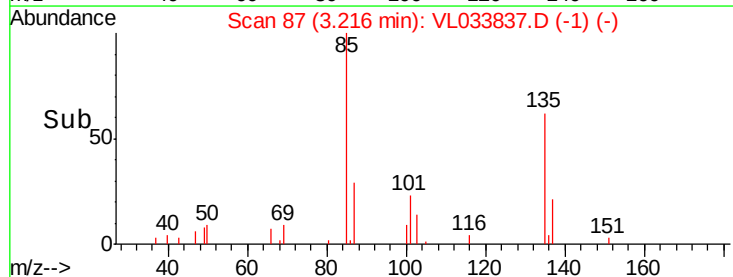
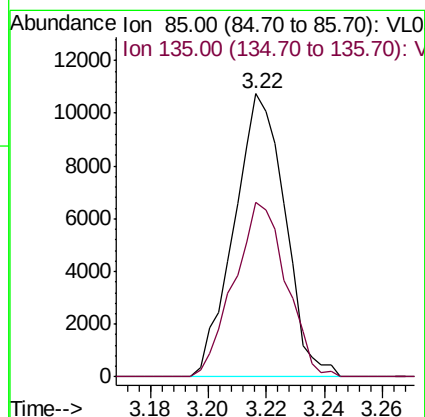
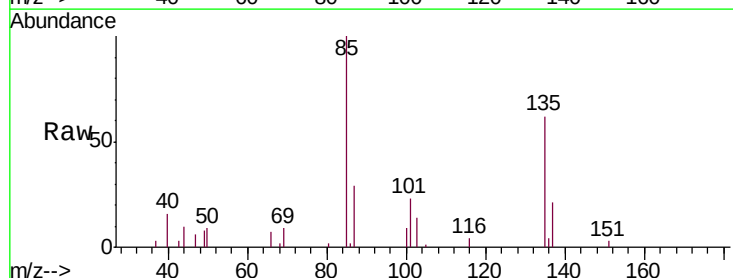
Acq: 29 May 2019 14:20

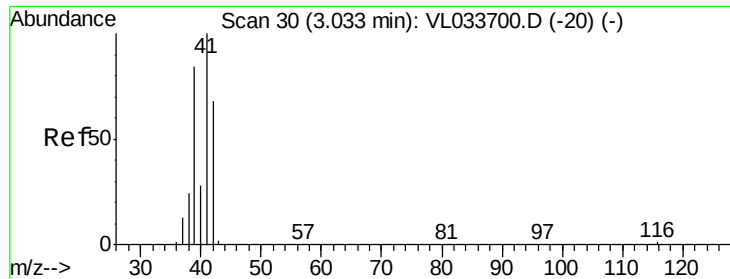
Tgt Ion: 85 Resp: 13072

Ion Ratio Lower Upper

85 100

135 63.4 54.5 81.7





#9

Propene

Concen: 0.229 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

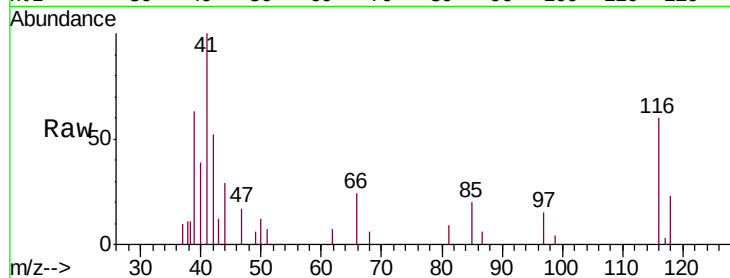
VIBLK

Tgt Ion: 41 Resp: 9810

Ion Ratio Lower Upper

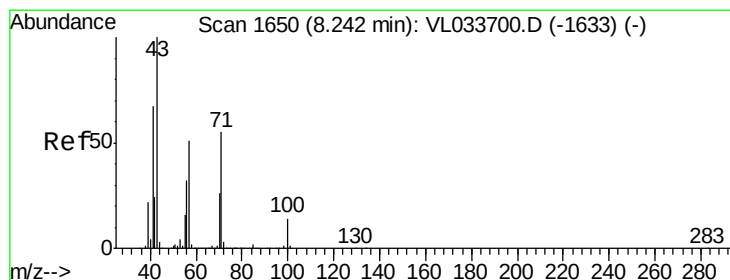
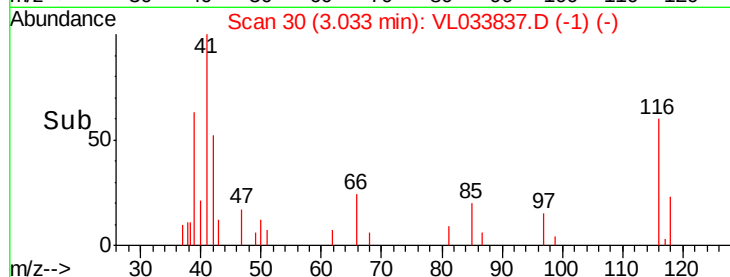
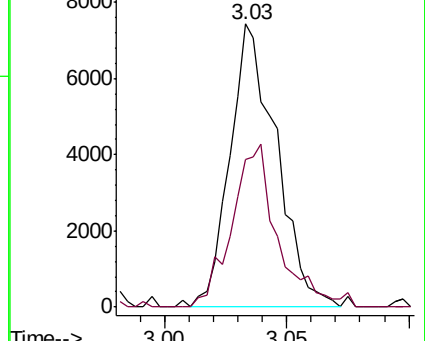
41 100

42 57.0 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.013 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033837.D

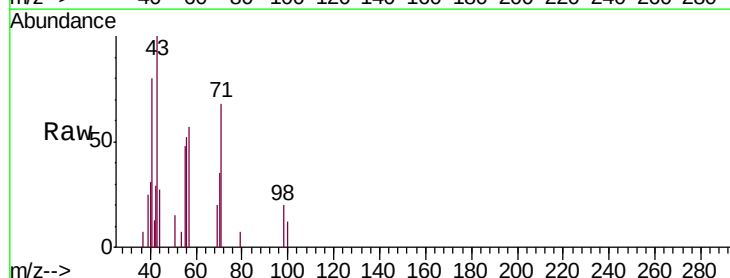
Acq: 29 May 2019 14:20

Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

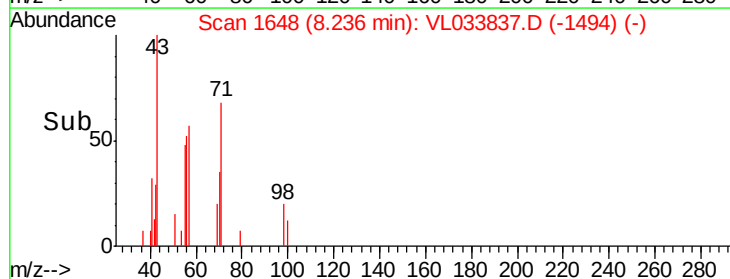
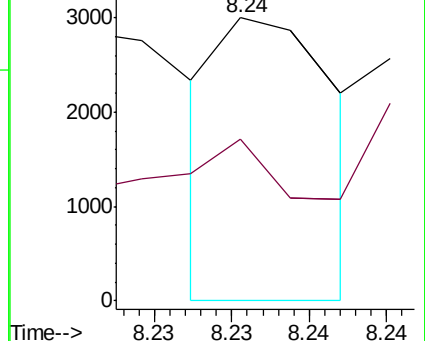
43 100

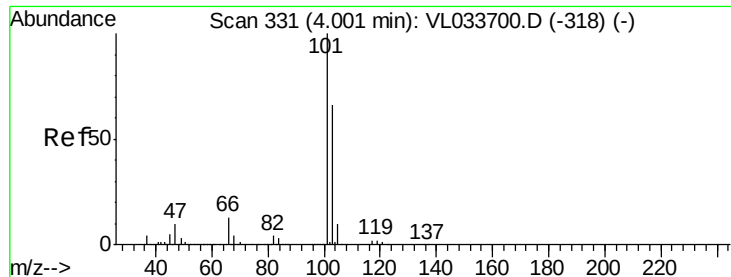
57 0.0 41.4 62.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.073 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

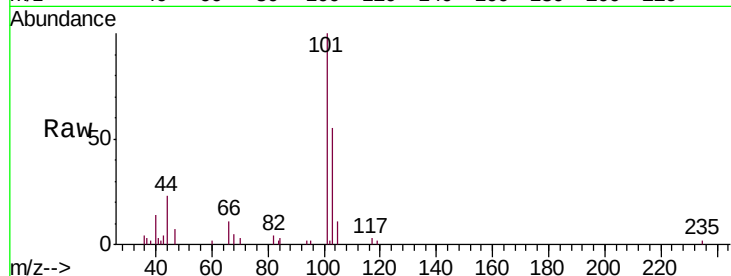
VIBLK

Tgt Ion:101 Resp: 12857

Ion Ratio Lower Upper

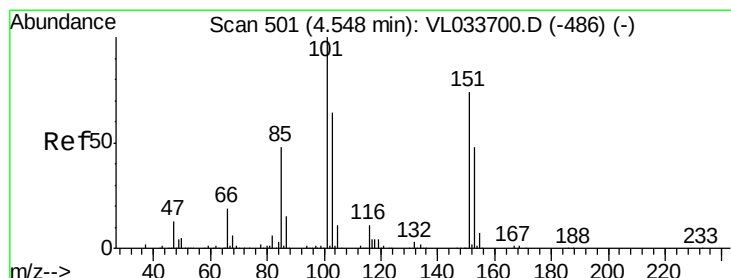
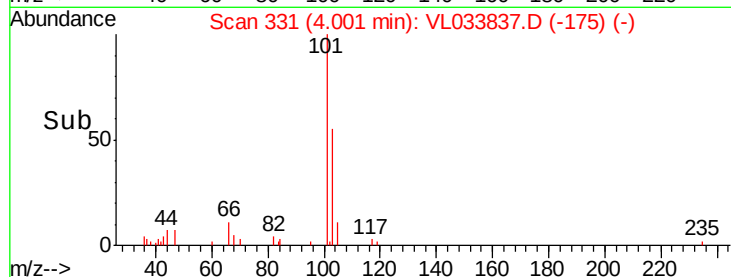
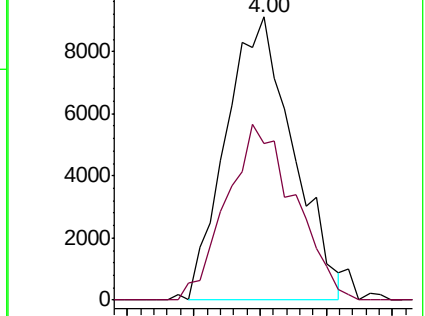
101 100

103 51.7 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: 0.041 ppbv

RT: 4.54 min Scan# 500

Delta R.T. -0.00 min

Lab File: VL033837.D

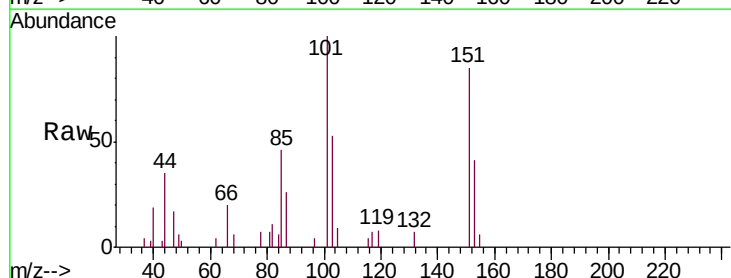
Acq: 29 May 2019 14:20

Tgt Ion:101 Resp: 5047

Ion Ratio Lower Upper

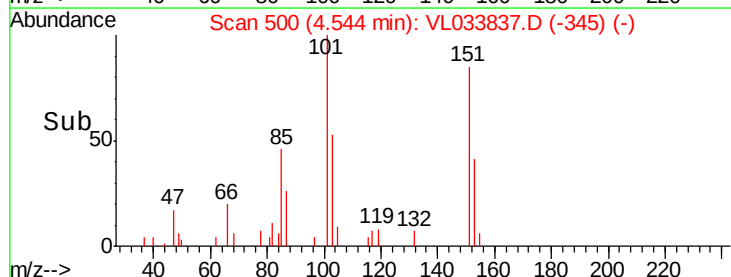
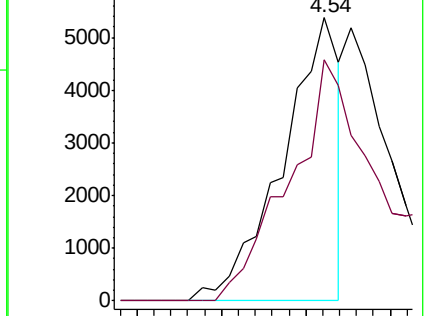
101 100

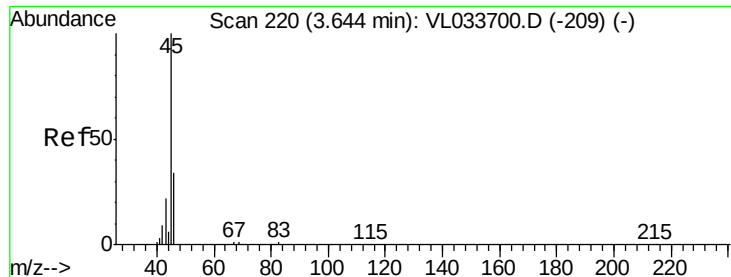
151 133.6 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

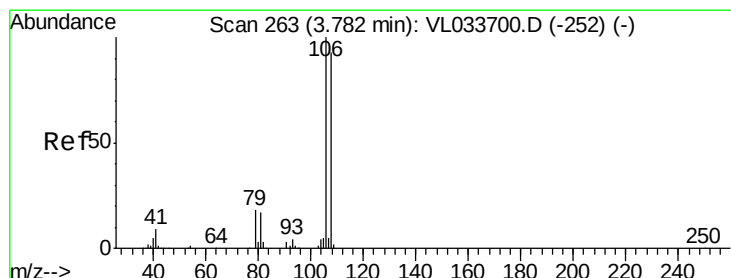
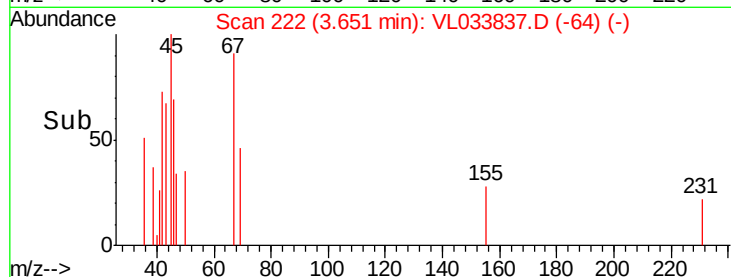
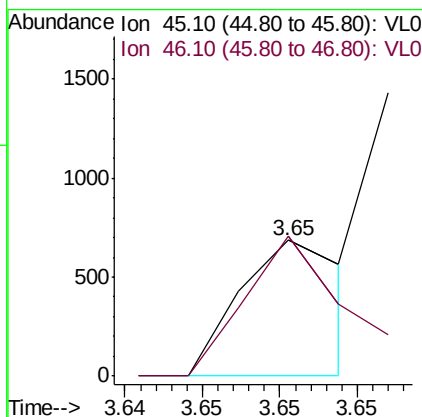
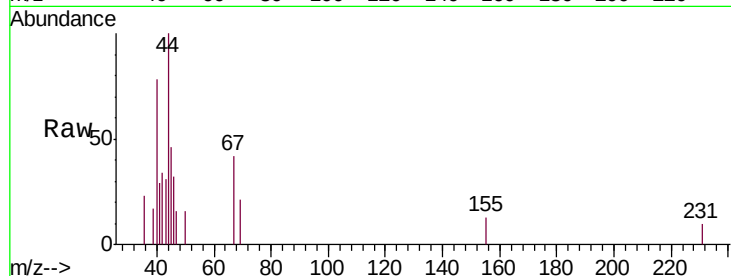




#13
Ethanol
Concen: 0.023 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

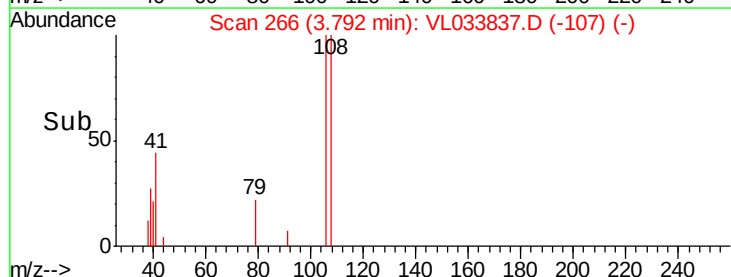
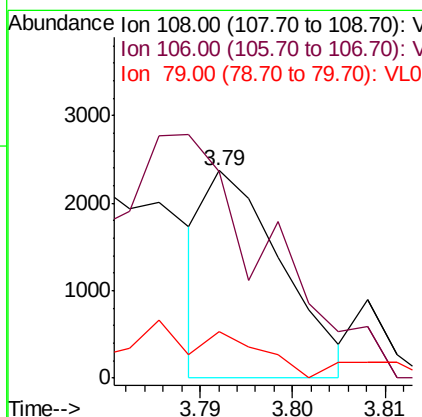
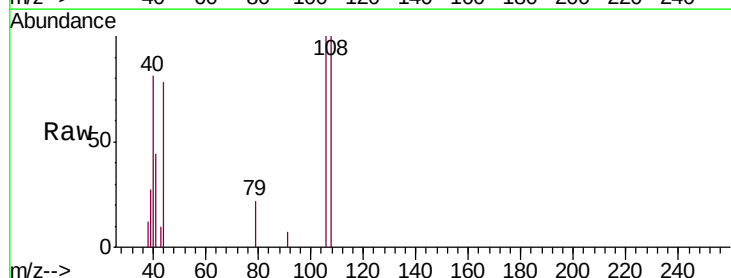
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

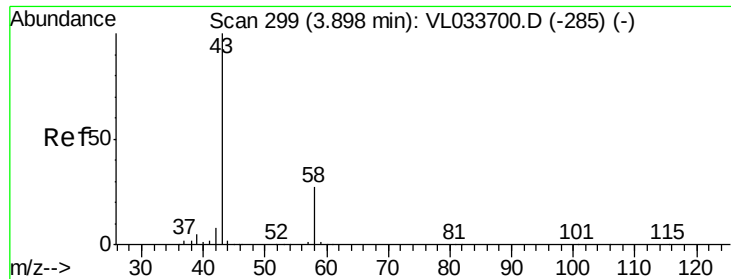
Tgt Ion: 45 Resp: 324
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.0#



#14
Bromoethene
Concen: 0.030 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 108 Resp: 1348
Ion Ratio Lower Upper
108 100
106 289.2 86.5 129.7#
79 61.0 15.1 22.7#





#15

Acetone

Concen: 0.477 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

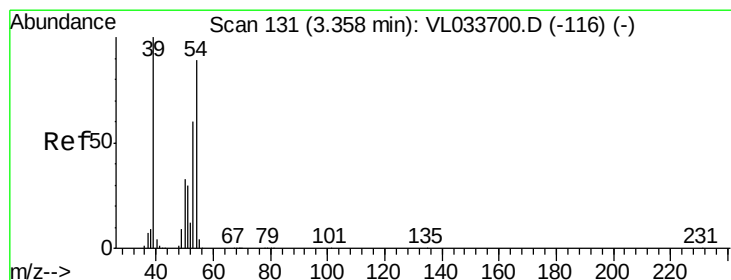
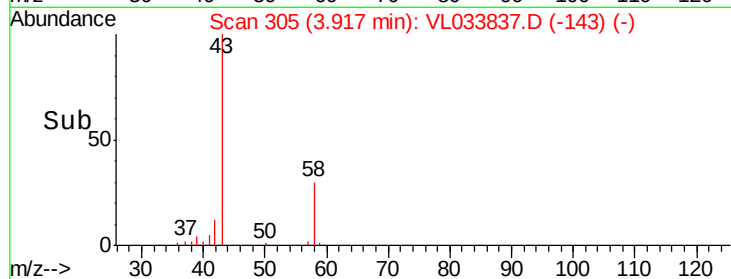
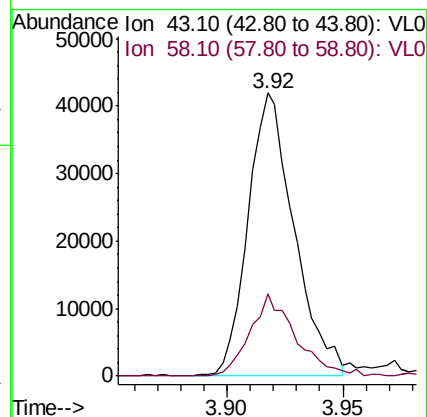
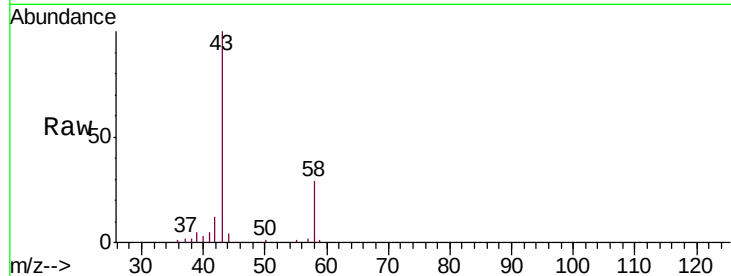
VIBLK

Tgt Ion: 43 Resp: 58201

Ion Ratio Lower Upper

43 100

58 28.8 21.3 31.9



#16

1,3-Butadiene

Concen: 0.031 ppbv

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033837.D

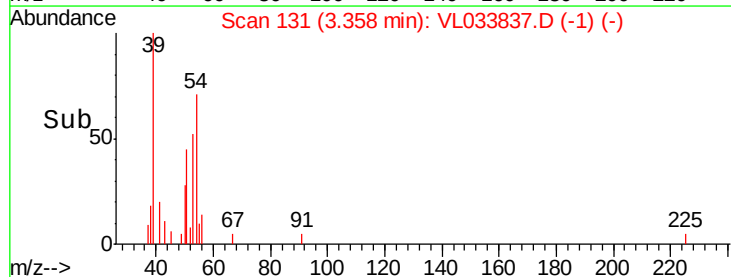
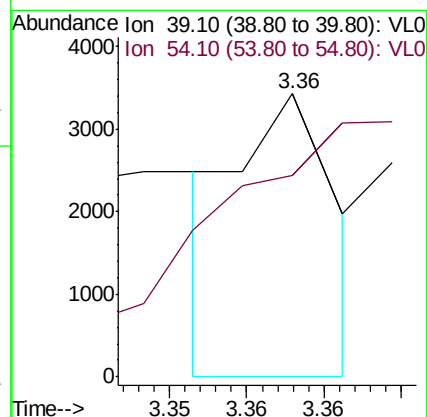
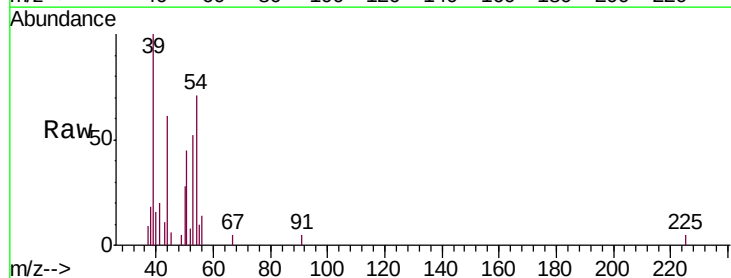
Acq: 29 May 2019 14:20

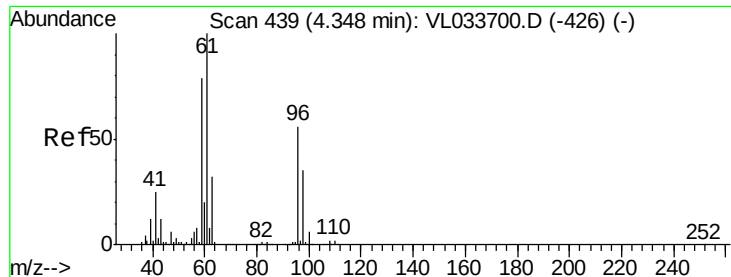
Tgt Ion: 39 Resp: 1522

Ion Ratio Lower Upper

39 100

54 0.0 69.0 103.6#





#18

1,1-Dichloroethene

Concen: 0.027 ppbv

RT: 4.35 min Scan# 438

Delta R.T. -0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleID :

VIBLK

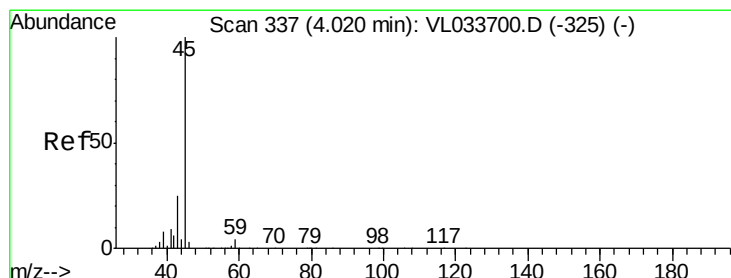
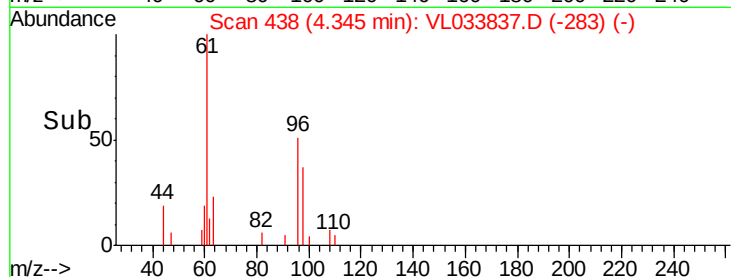
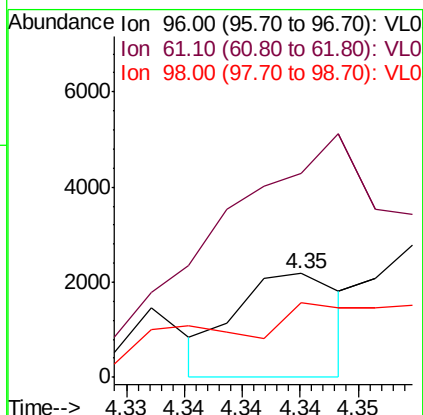
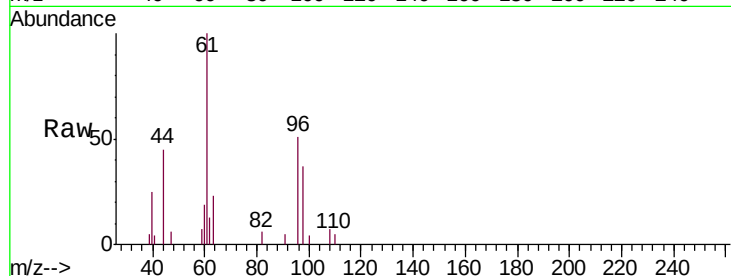
Tgt Ion: 96 Resp: 1395

Ion Ratio Lower Upper

96 100

61 104.7 143.1 214.7#

98 35.3 49.5 74.3#



#19

Isopropyl Alcohol

Concen: 0.092 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.03 min

Lab File: VL033837.D

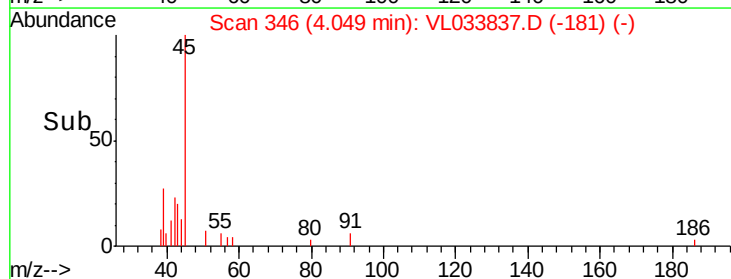
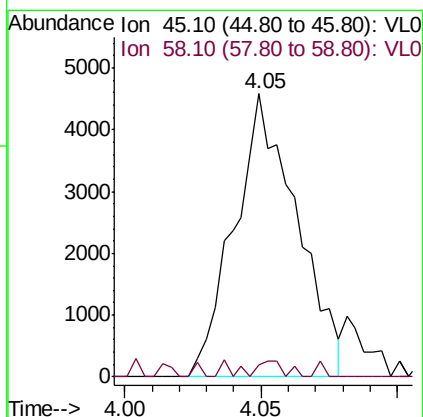
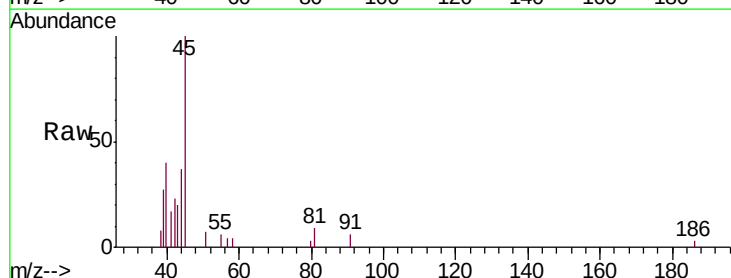
Acq: 29 May 2019 14:20

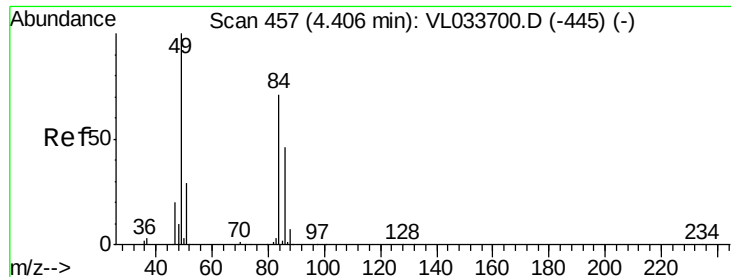
Tgt Ion: 45 Resp: 7272

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#





#20

Methylene Chloride

Concen: 0.105 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 4948

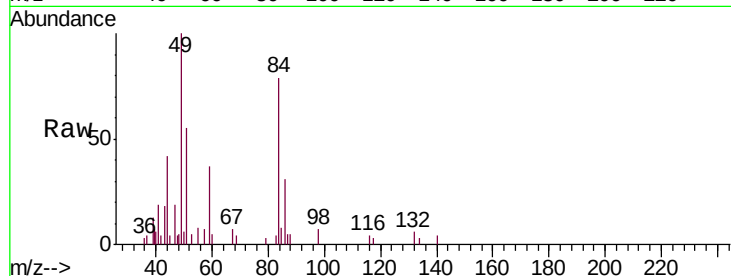
Ion Ratio Lower Upper

84 100

49 134.5 112.8 169.2

51 69.9 33.4 50.0#

86 38.9 51.7 77.5#

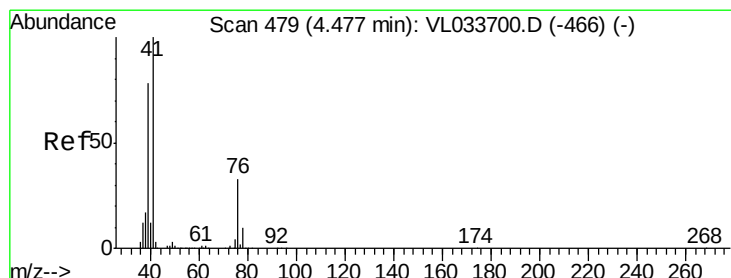
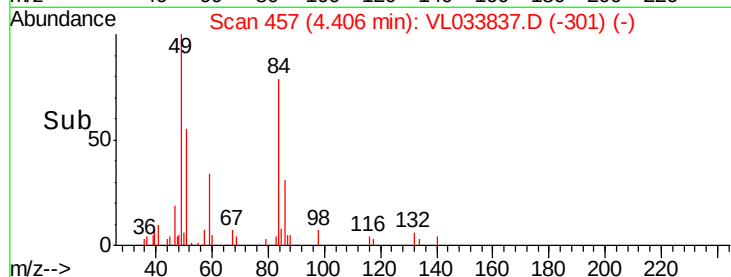
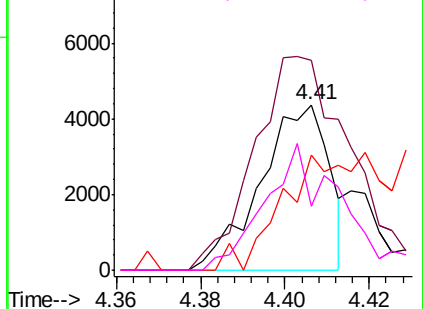


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.019 ppbv

RT: 4.47 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

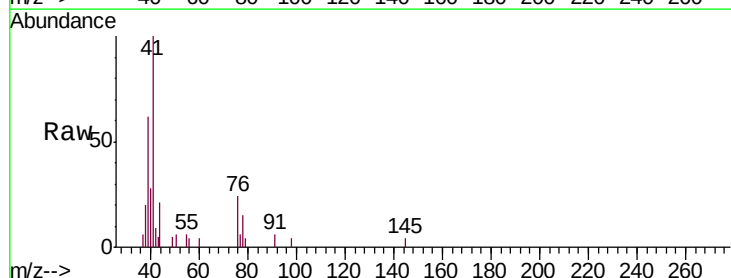
Tgt Ion: 41 Resp: 1422

Ion Ratio Lower Upper

41 100

76 102.0 25.9 38.9#

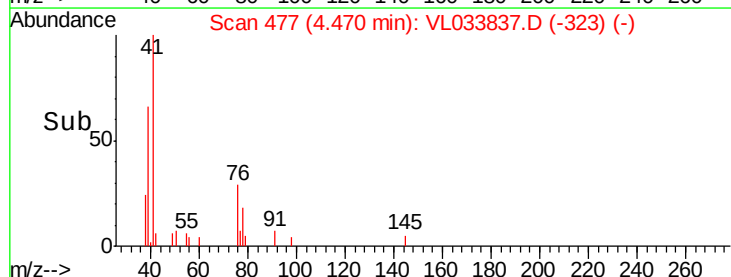
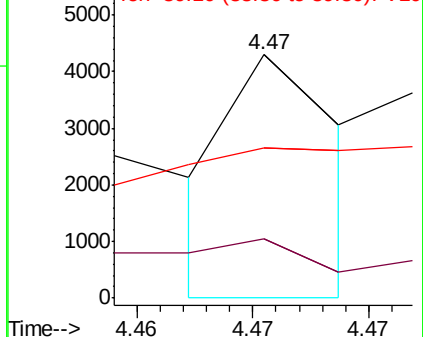
39 0.0 64.6 97.0#

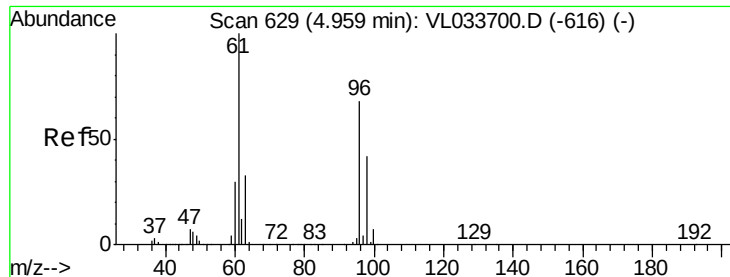


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.018 ppbv

RT: 4.95 min Scan# 625

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

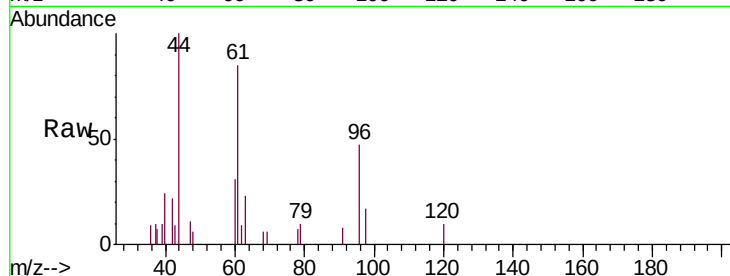
Tgt Ion: 96 Resp: 949

Ion Ratio Lower Upper

96 100

61 169.9 116.8 175.2

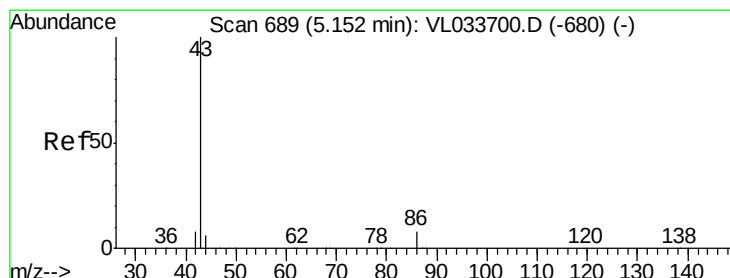
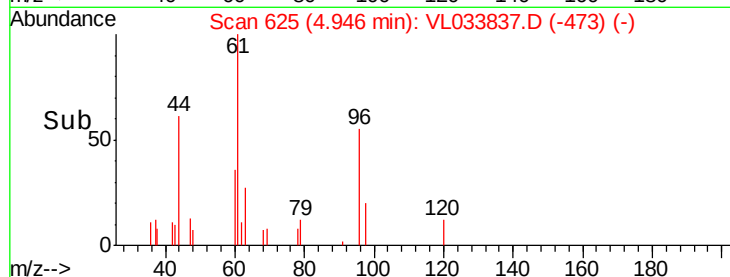
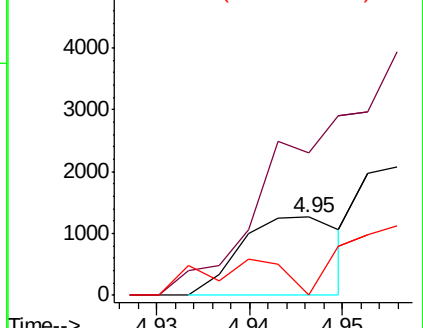
98 0.0 49.4 74.0#



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



#23

Vinyl Acetate

Concen: 0.074 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion: 43 Resp: 11968

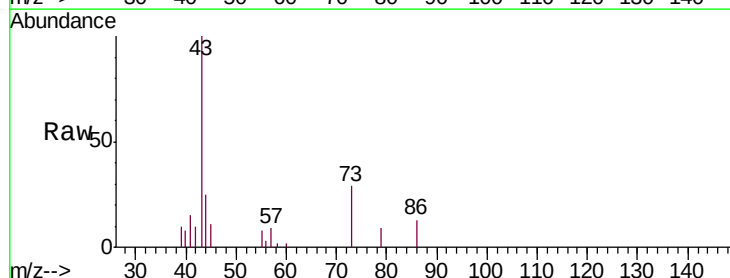
Ion Ratio Lower Upper

43 100

86 14.4 6.0 9.0#

42 6.7 7.5 11.3#

44 12.8 4.4 6.6#

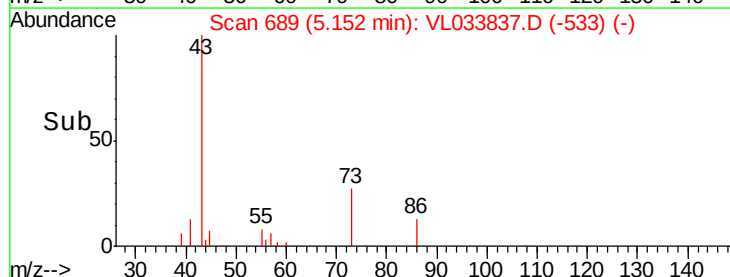
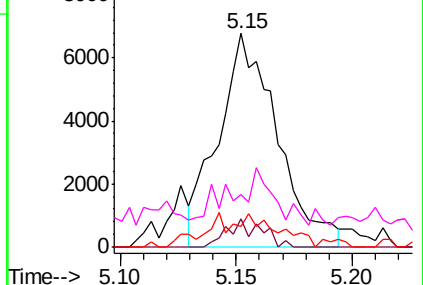


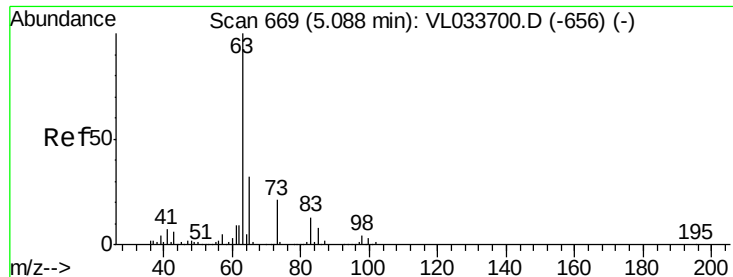
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.053 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

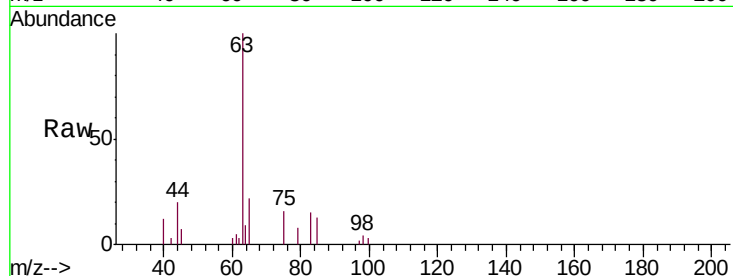
Tgt Ion: 63 Resp: 6454

Ion Ratio Lower Upper

63 100

98 3.9 1.8 5.5

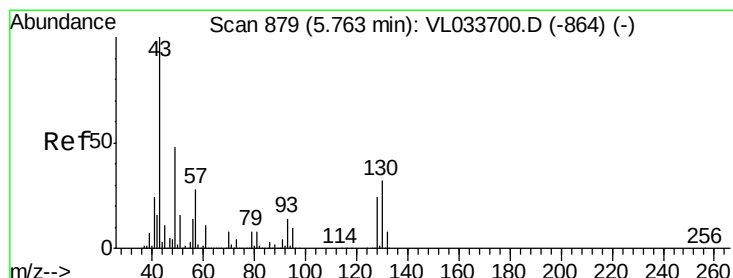
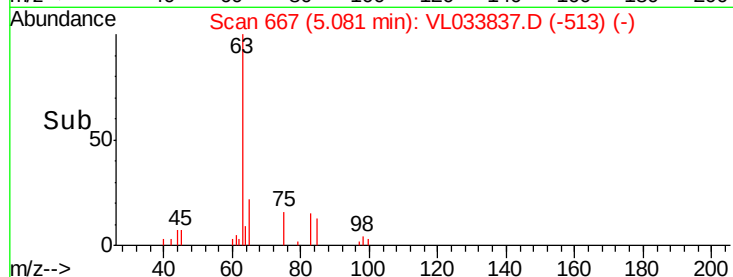
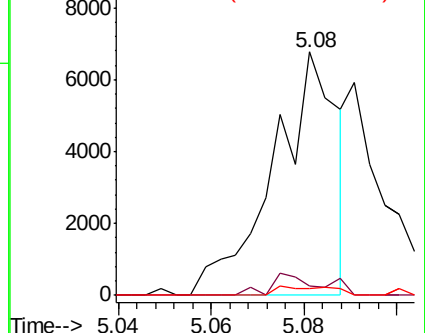
100 2.6 1.4 4.2



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



#25

Ethyl Acetate

Concen: 0.045 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion: 43 Resp: 9688

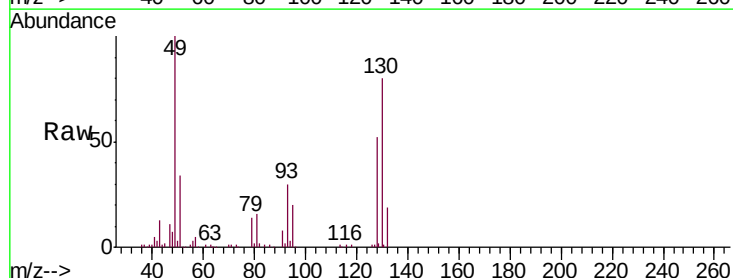
Ion Ratio Lower Upper

43 100

45 18.8 7.9 11.9#

61 0.0 7.7 11.5#

70 0.0 5.8 8.6#

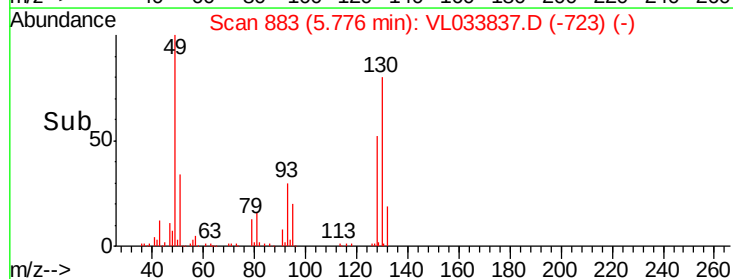
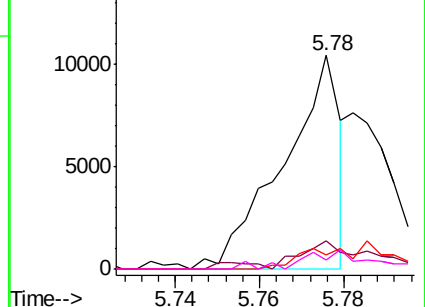


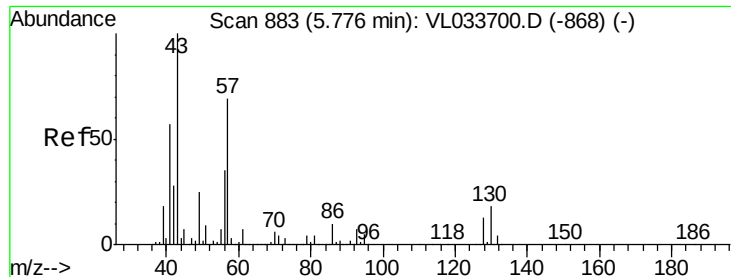
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.092 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 57 Resp: 8487

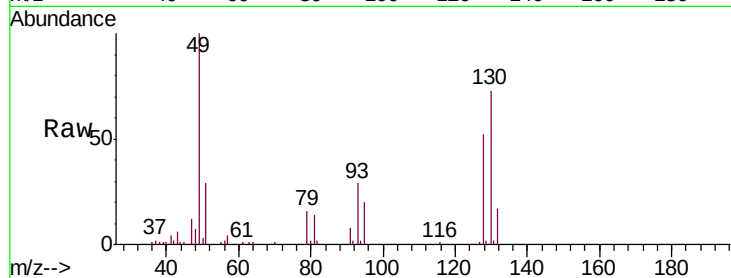
Ion Ratio Lower Upper

57 100

41 93.6 69.8 104.6

43 200.5 181.8 272.6

56 56.8 42.1 63.1

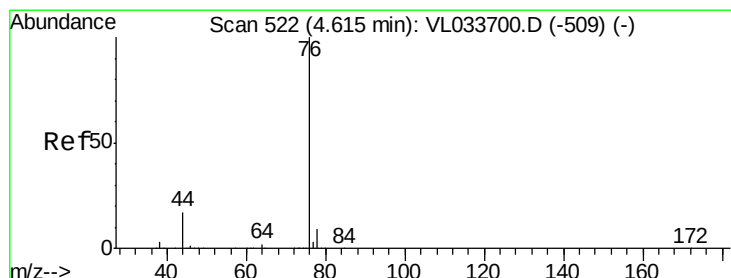
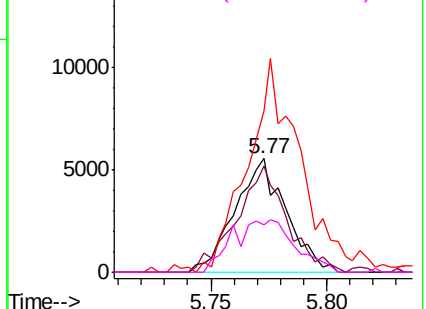
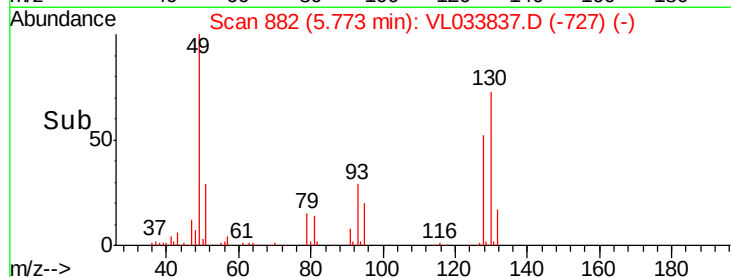


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.030 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

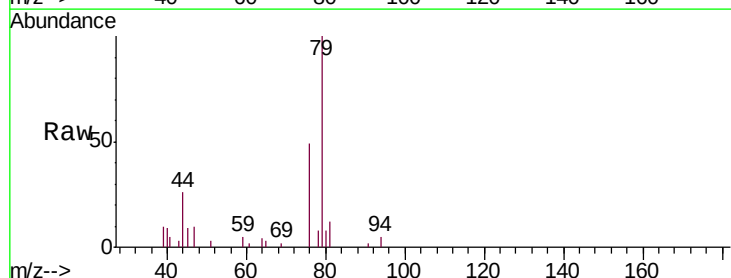
Tgt Ion: 76 Resp: 3821

Ion Ratio Lower Upper

76 100

44 117.6 13.8 20.8#

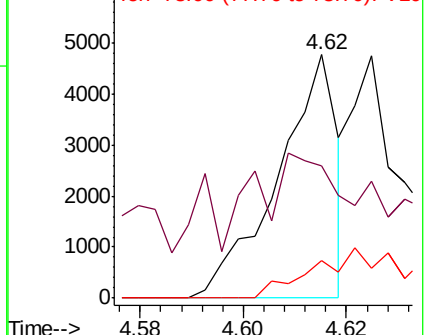
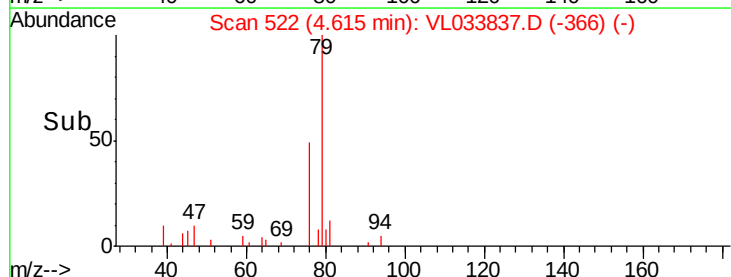
78 0.0 7.4 11.0#

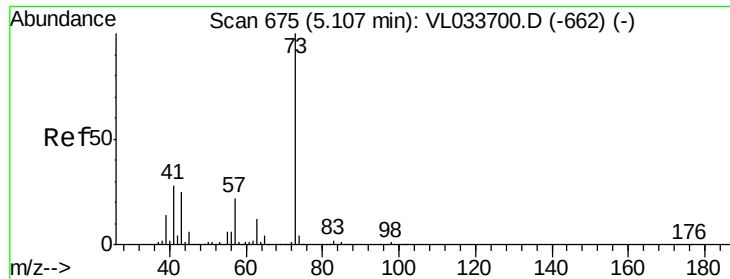


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.073 ppbv

RT: 5.13 min Scan# 683

Delta R.T. 0.03 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

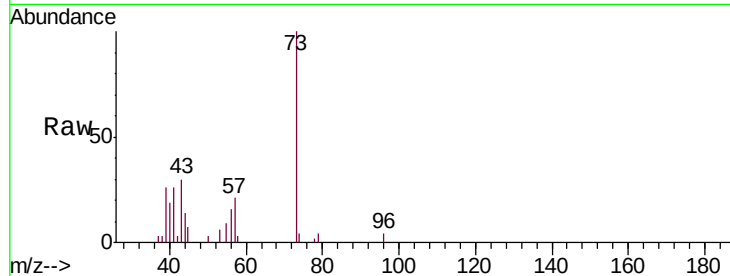
VIBLK

Tgt Ion: 73 Resp: 11022

Ion Ratio Lower Upper

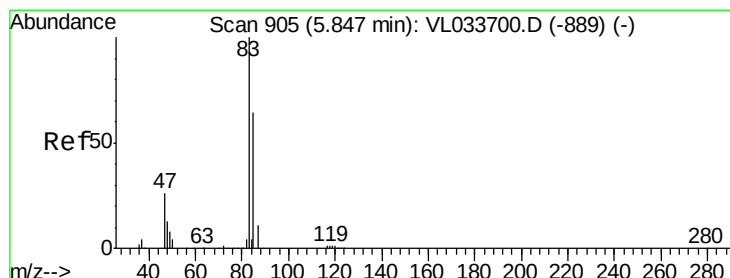
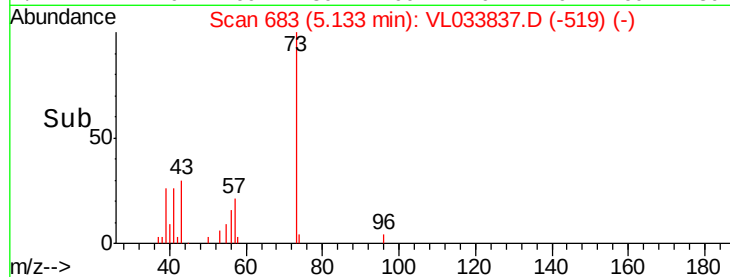
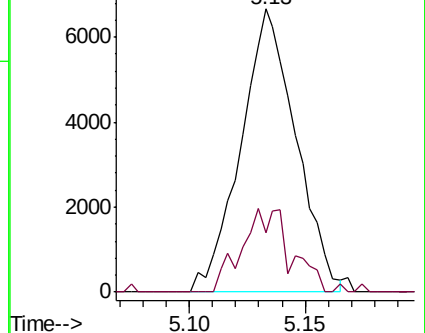
73 100

57 26.5 17.4 26.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.072 ppbv

RT: 5.84 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL033837.D

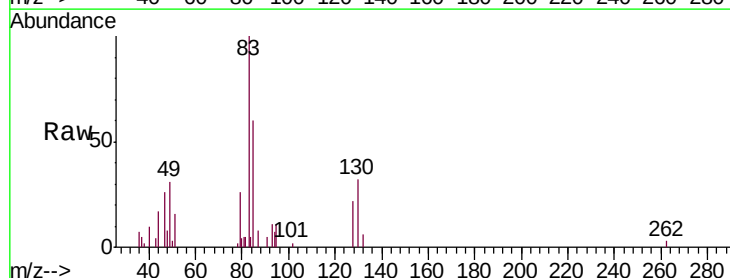
Acq: 29 May 2019 14:20

Tgt Ion: 83 Resp: 12193

Ion Ratio Lower Upper

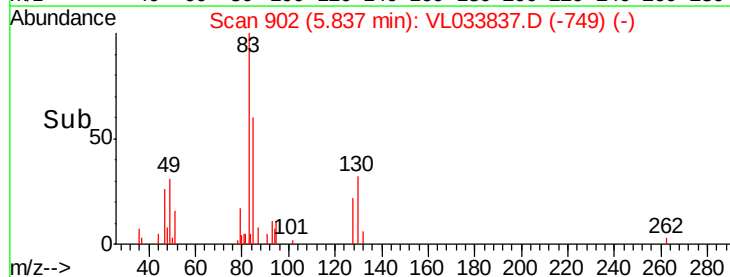
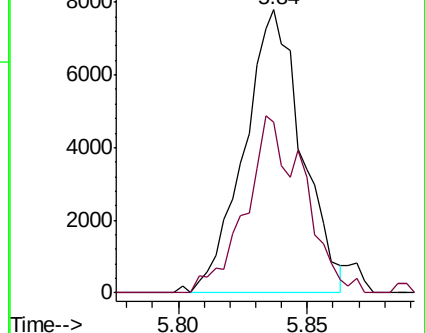
83 100

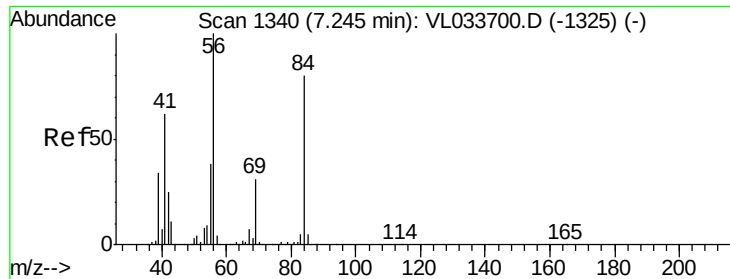
85 60.2 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

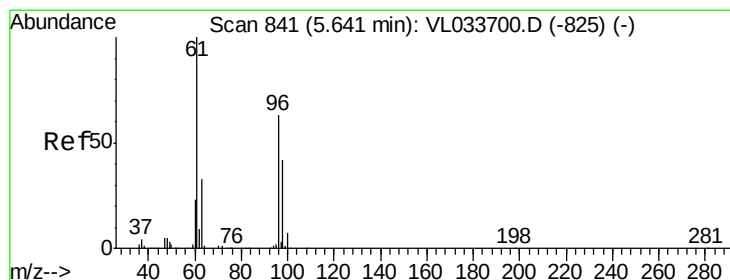
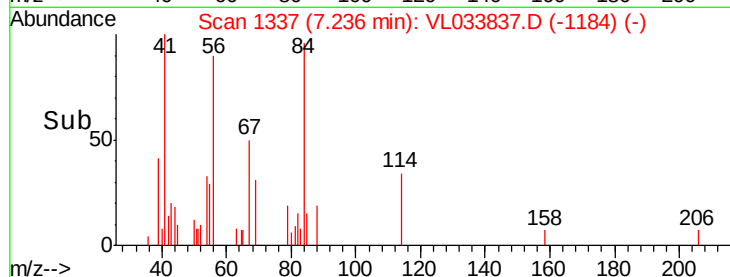
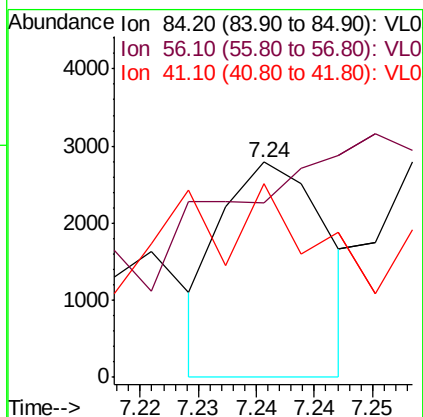
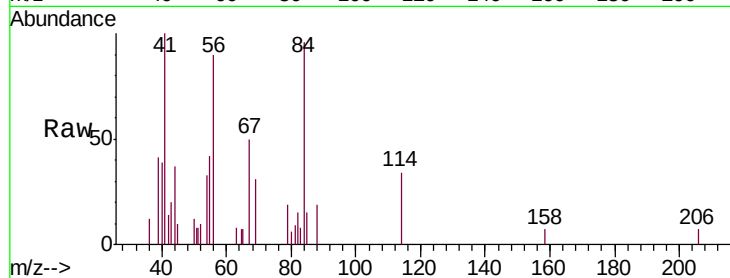




#30
Cyclohexane
Concen: 0.023 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

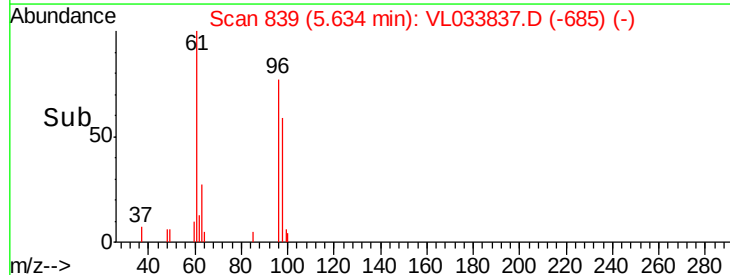
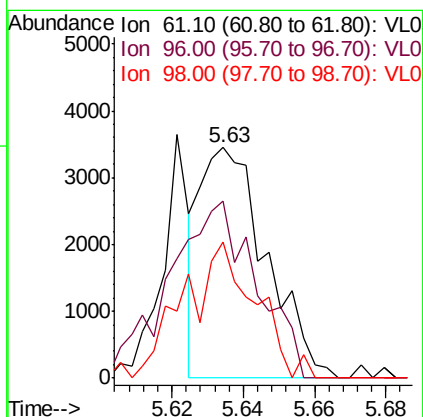
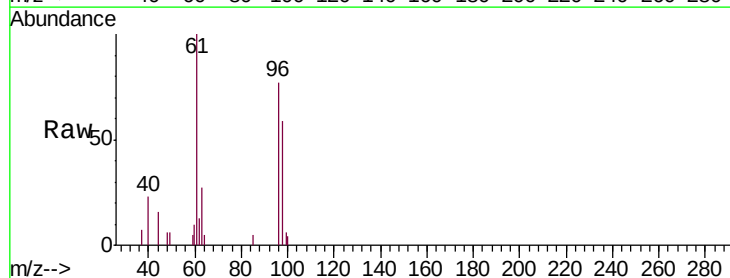
Instrument :
MSVOA_L
ClientSampleID :
VIBLK

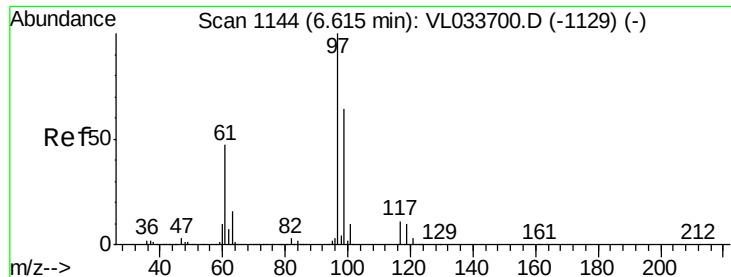
Tgt Ion: 84 Resp: 1769
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 285.8 66.0 99.0#



#31
cis-1,2-Dichloroethene
Concen: 0.048 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 61 Resp: 4429
Ion Ratio Lower Upper
61 100
96 67.8 50.8 76.2
98 52.2 33.3 49.9#





#32

1,1,1-Trichloroethane

Concen: 0.063 ppbv

RT: 6.61 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

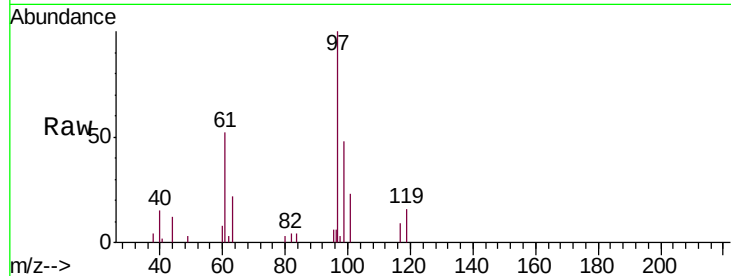
Tgt Ion: 97 Resp: 10635

Ion Ratio Lower Upper

97 100

99 62.2 51.5 77.3

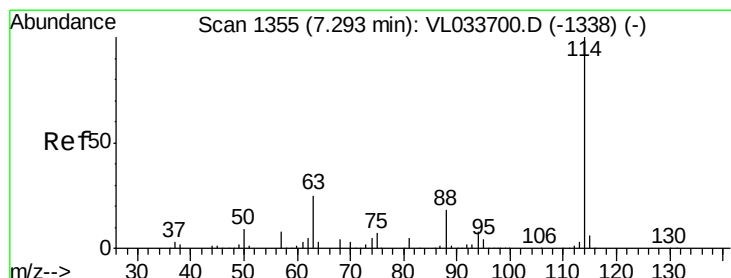
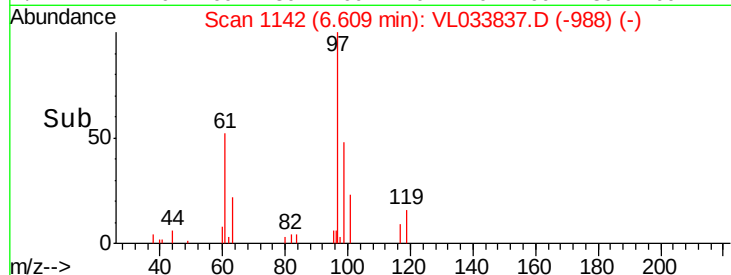
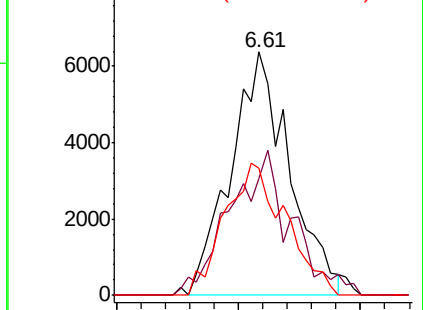
61 56.5 37.8 56.8



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: VL033837.D

Acq: 29 May 2019 14:20

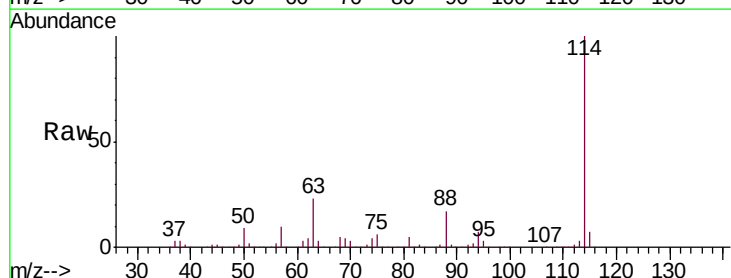
Tgt Ion: 114 Resp: 2444937

Ion Ratio Lower Upper

114 100

63 23.5 20.9 31.3

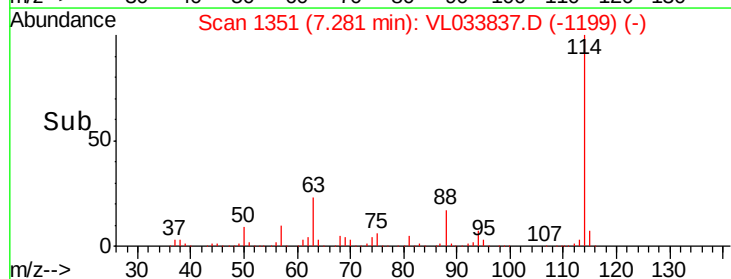
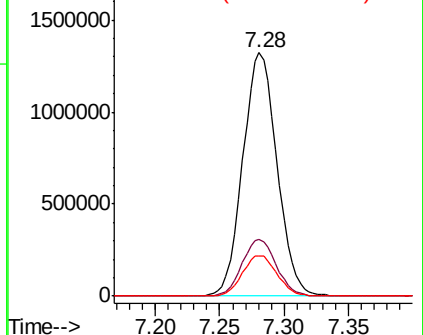
88 17.0 14.3 21.5

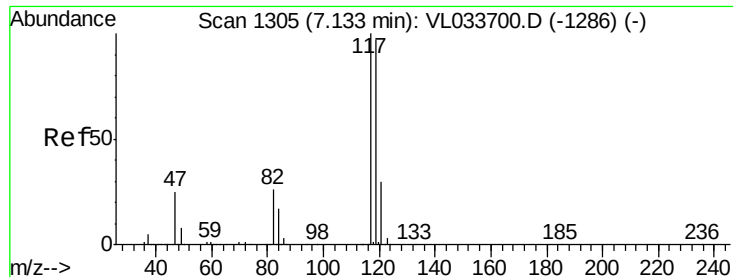


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

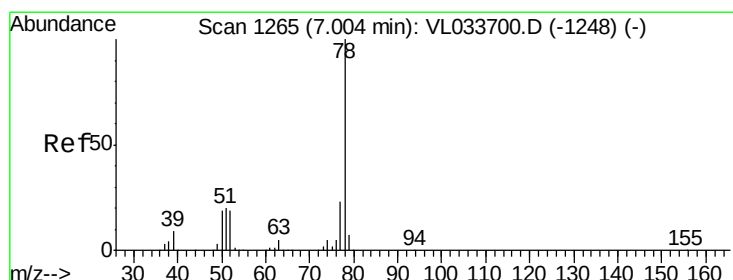
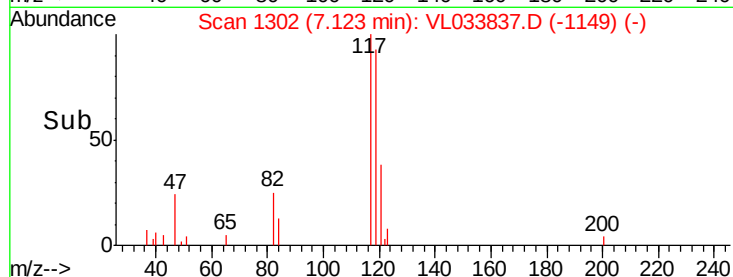
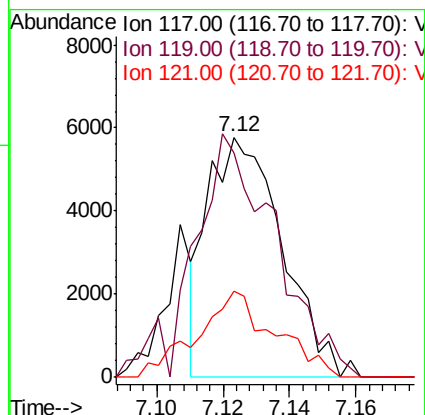
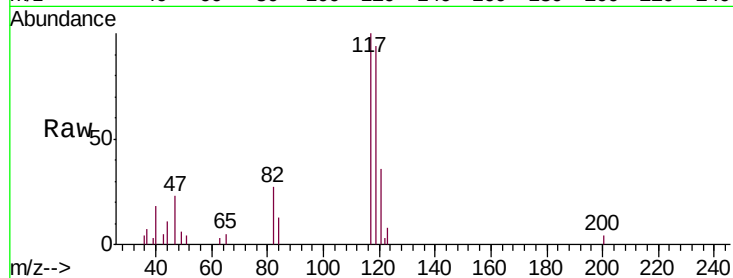




#35
Carbon Tetrachloride
Concen: 0.046 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

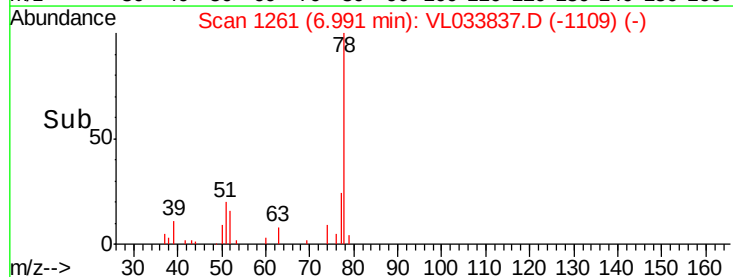
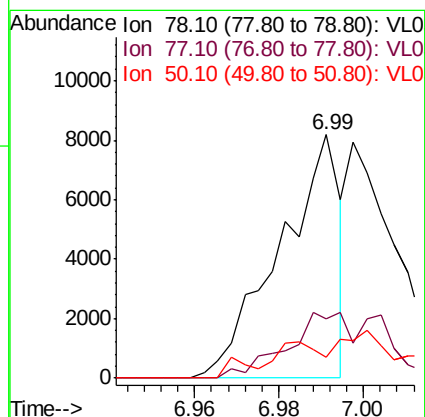
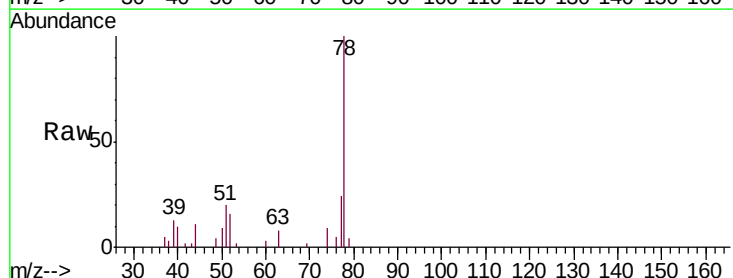
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

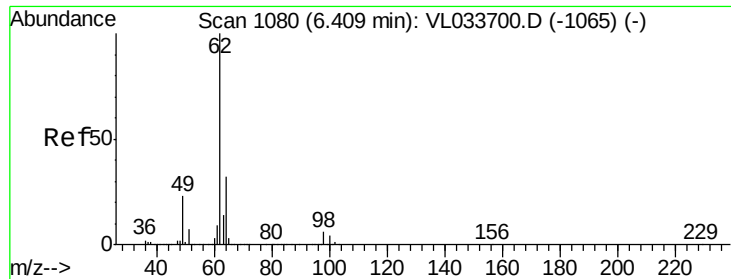
Tgt Ion: 117 Resp: 8990
Ion Ratio Lower Upper
117 100
119 86.1 77.2 115.8
121 36.0 24.1 36.1



#36
Benzene
Concen: 0.037 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 78 Resp: 8153
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6
50 8.7 15.5 23.3#

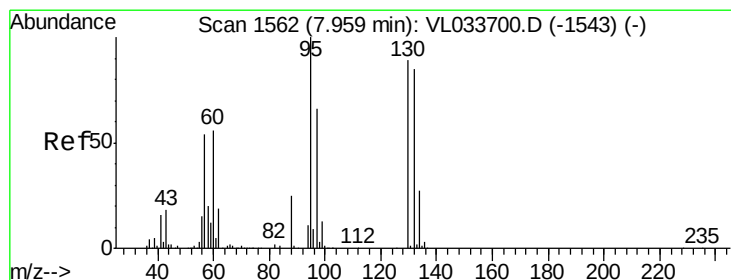
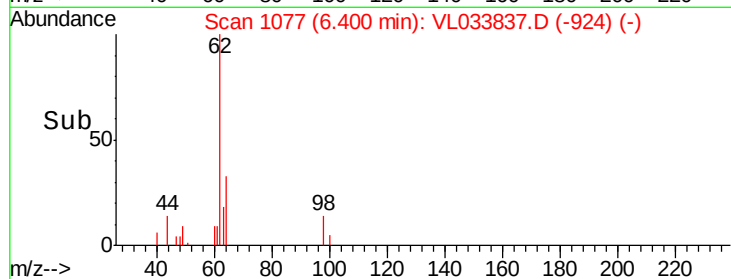
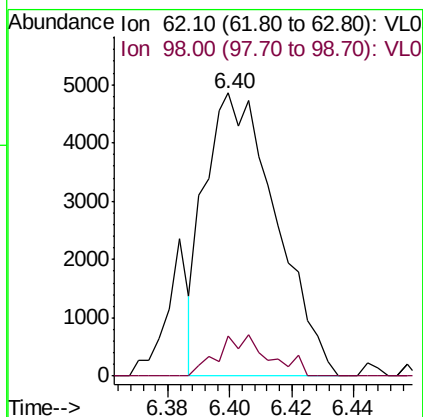
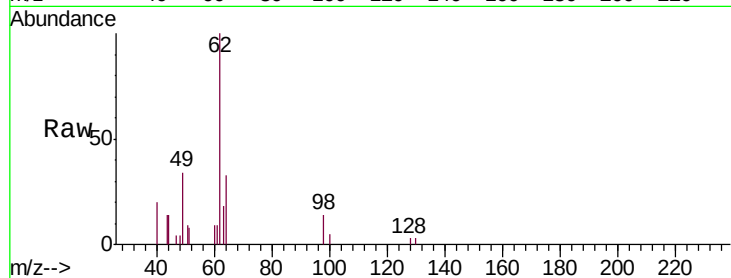




#37
 1,2-Dichloroethane
 Concen: 0.054 ppbv
 RT: 6.40 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

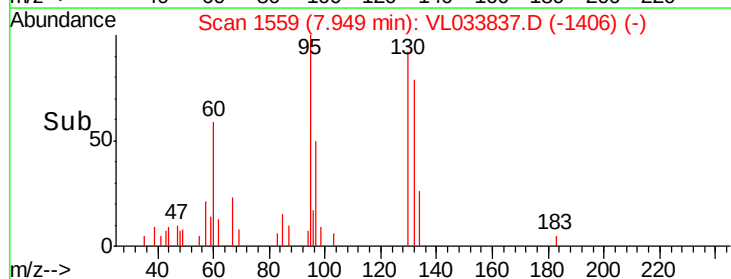
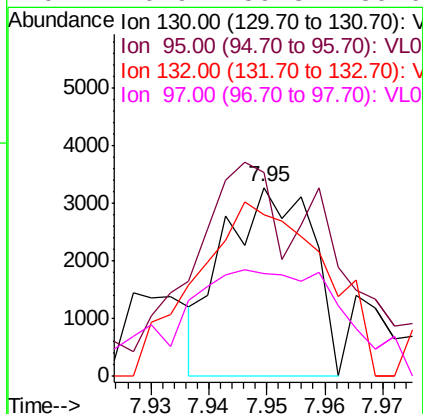
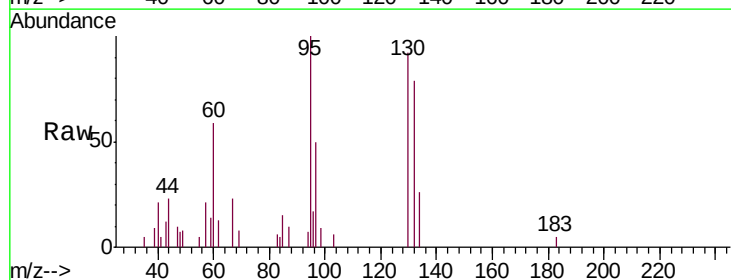
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

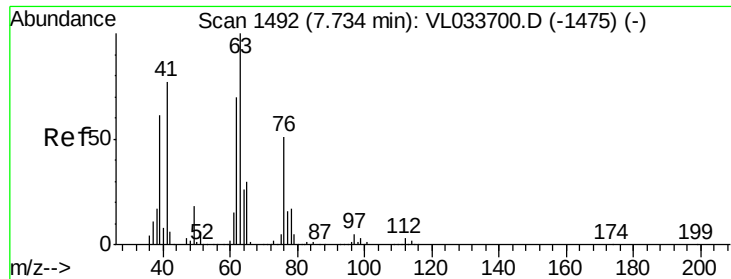
Tgt Ion: 62 Resp: 7747
 Ion Ratio Lower Upper
 62 100
 98 10.4 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.042 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

Tgt Ion: 130 Resp: 3430
 Ion Ratio Lower Upper
 130 100
 95 50.7 90.2 135.4#
 132 43.2 76.4 114.6#
 97 16.9 59.8 89.6#





#39

1,2-Dichloropropane

Concen: 6.881 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.45 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

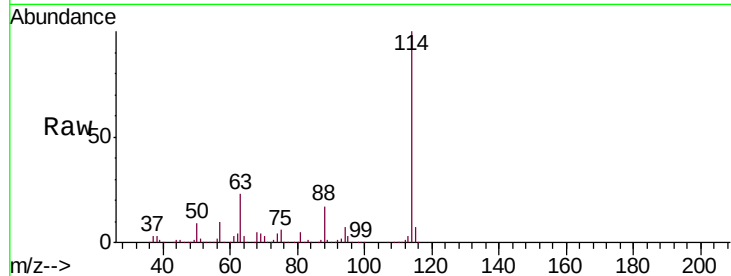
Tgt Ion: 63 Resp: 570579

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

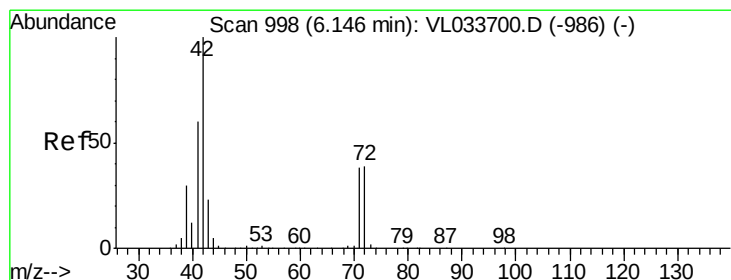
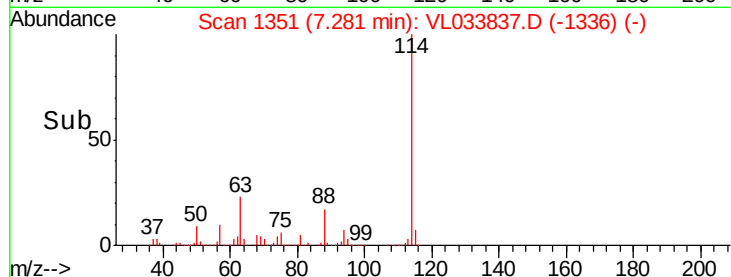
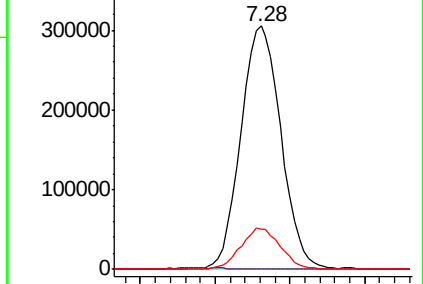
62 16.3 56.2 84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 6.18 min Scan# 1009

Delta R.T. 0.04 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

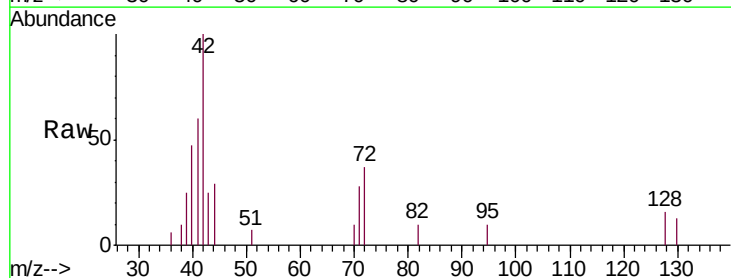
Tgt Ion: 42 Resp: 2751

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

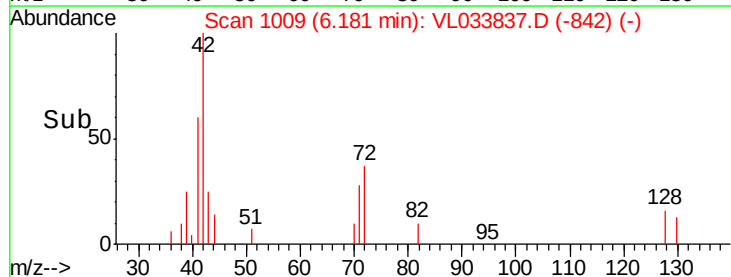
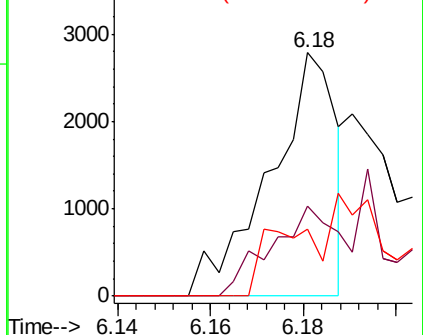
71 0.0 30.4 45.6#

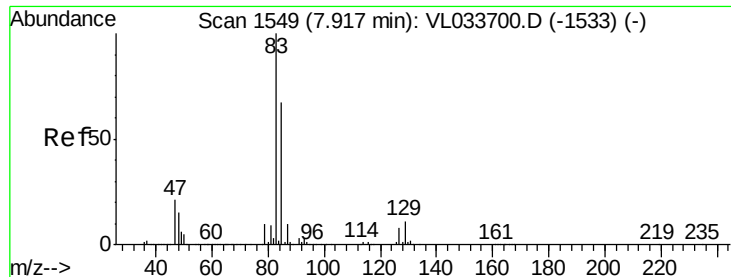


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.019 ppbv

RT: 7.90 min Scan# 1544

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

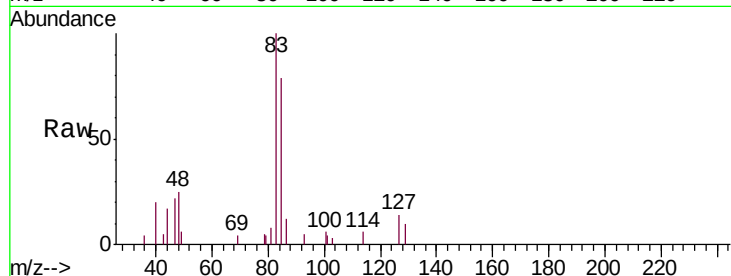
Tgt Ion: 83 Resp: 3778

Ion Ratio Lower Upper

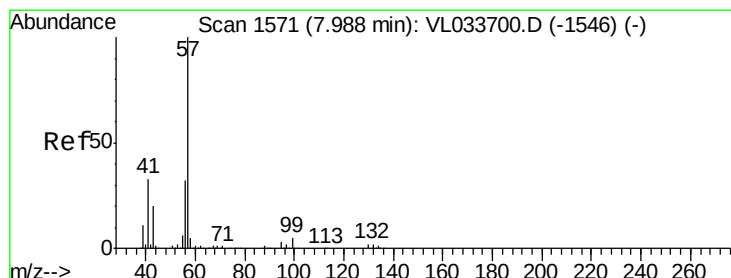
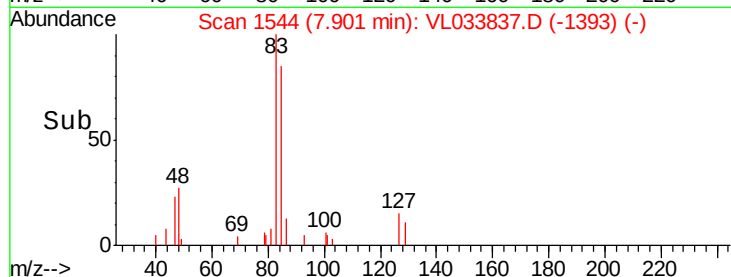
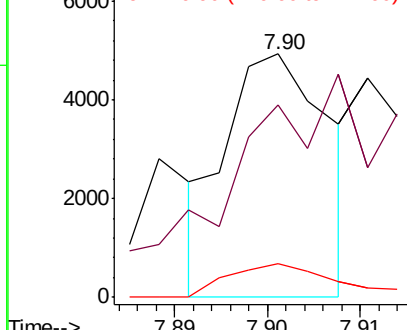
83 100

85 83.0 53.3 79.9#

127 26.0 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: 0.020 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

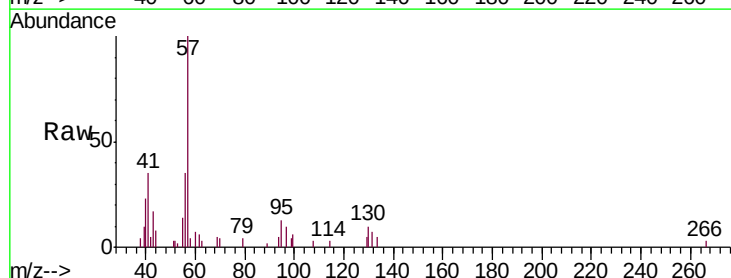
Tgt Ion: 57 Resp: 7601

Ion Ratio Lower Upper

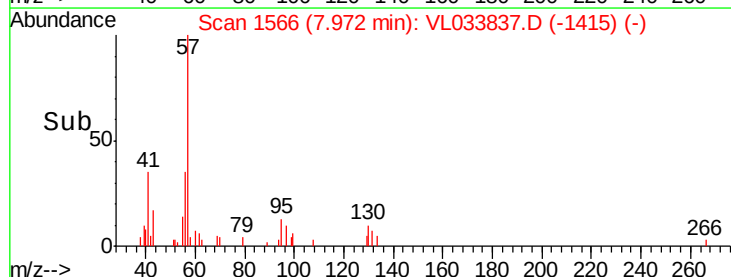
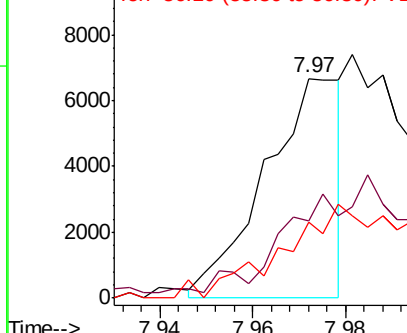
57 100

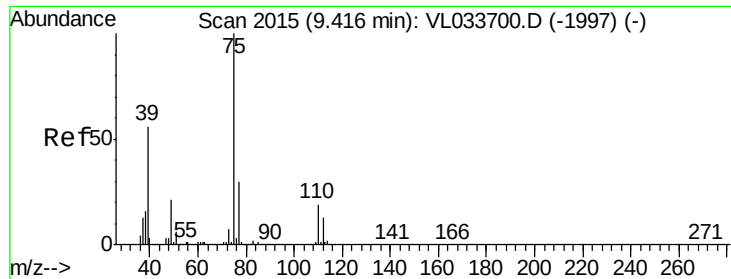
41 0.0 25.4 38.0#

56 0.0 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





#45

t-1,3-Dichloropropene

Concen: 0.018 ppbv

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

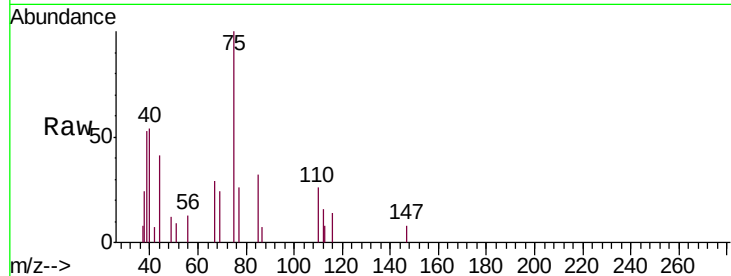
VIBLK

Tgt Ion: 75 Resp: 1822

Ion Ratio Lower Upper

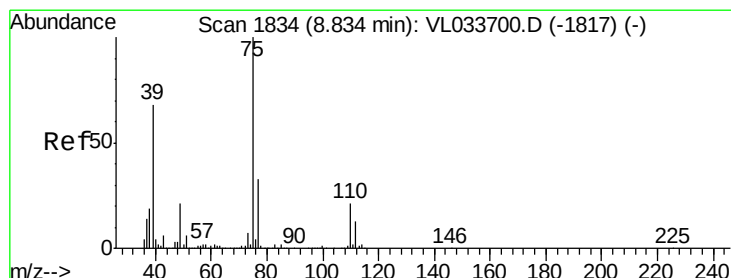
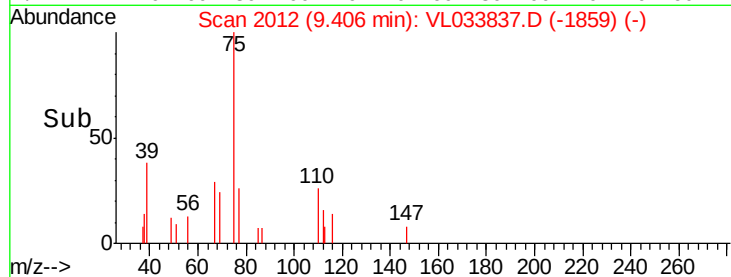
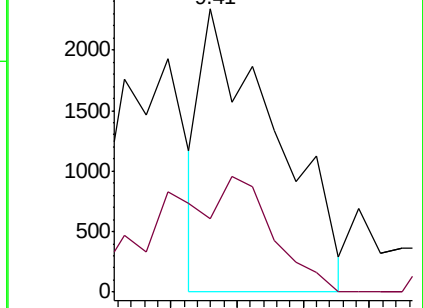
75 100

77 26.0 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.017 ppbv

RT: 8.82 min Scan# 1829

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

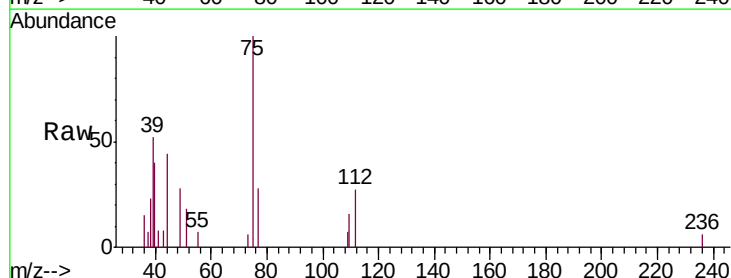
Tgt Ion: 75 Resp: 2111

Ion Ratio Lower Upper

75 100

39 38.9 54.4 81.6#

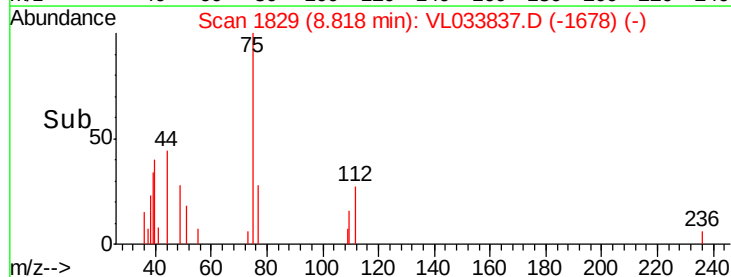
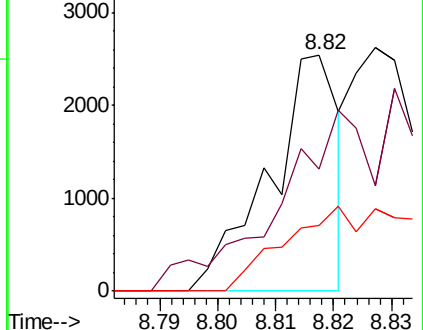
77 27.9 26.6 39.8

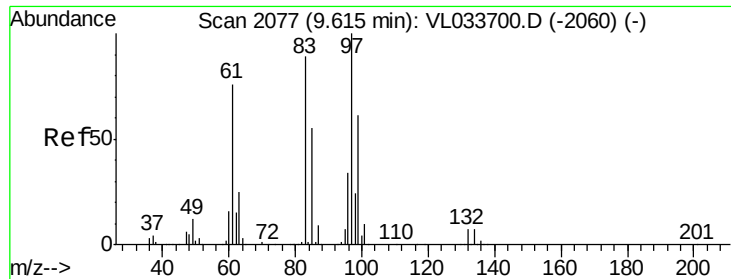


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.047 ppbv

RT: 9.61 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 97 Resp: 4414

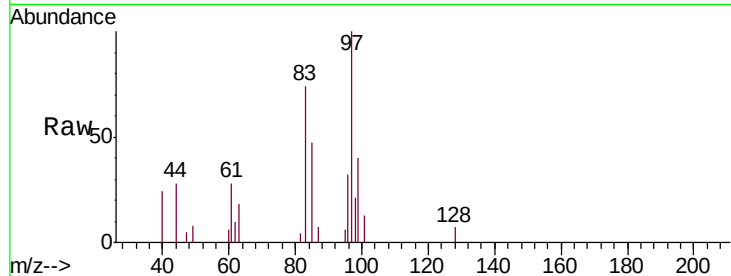
Ion Ratio Lower Upper

97 100

83 66.6 70.8 106.2#

85 24.7 43.7 65.5#

99 20.7 48.7 73.1#

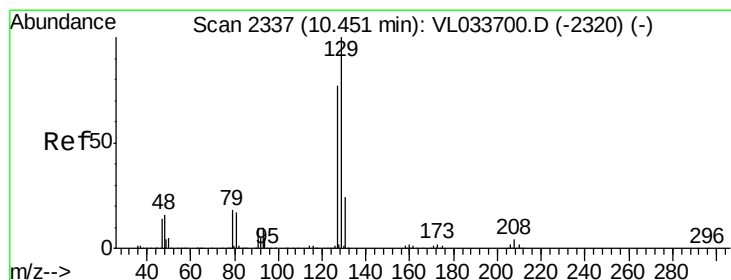
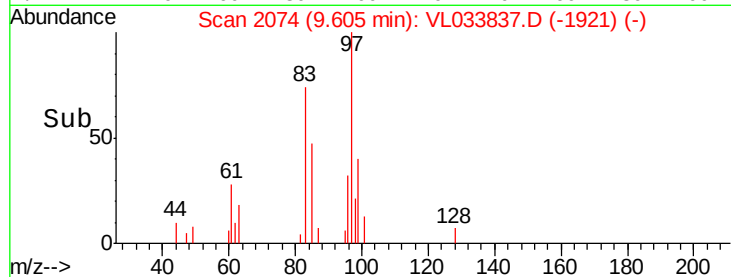
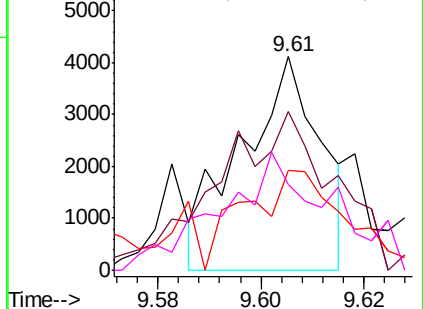


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.021 ppbv

RT: 10.44 min Scan# 2334

Delta R.T. -0.01 min

Lab File: VL033837.D

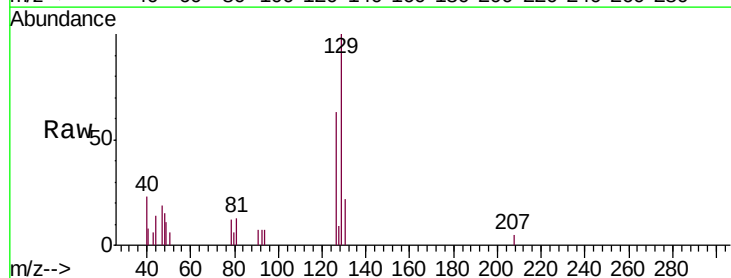
Acq: 29 May 2019 14:20

Tgt Ion: 129 Resp: 3371

Ion Ratio Lower Upper

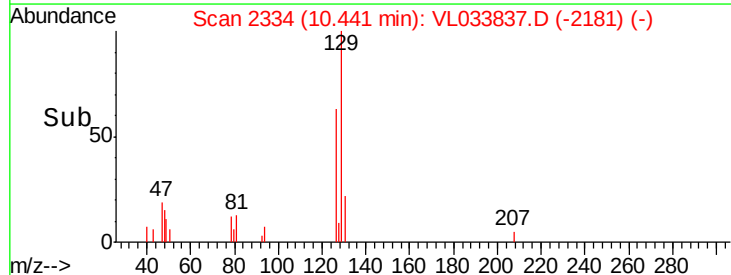
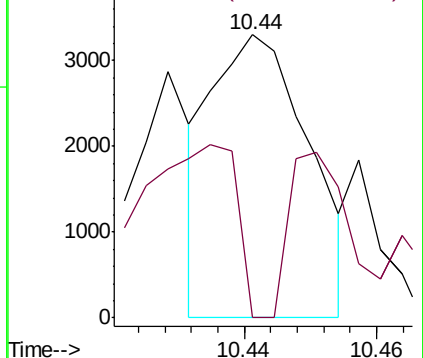
129 100

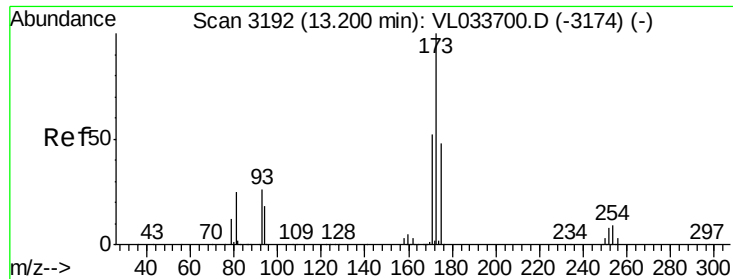
127 71.6 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.011 ppbv

RT: 13.18 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

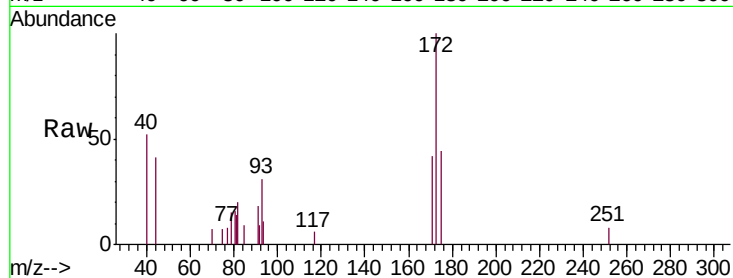
Tgt Ion:173 Resp: 1552

Ion Ratio Lower Upper

173 100

175 159.5 38.6 58.0#

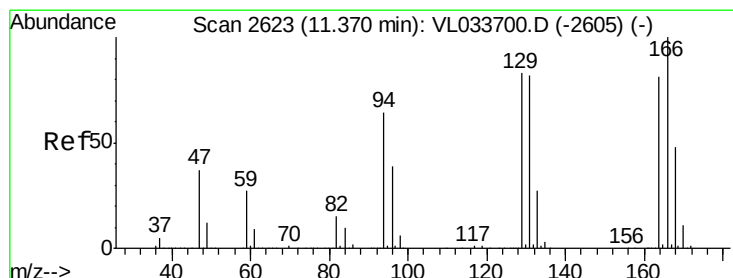
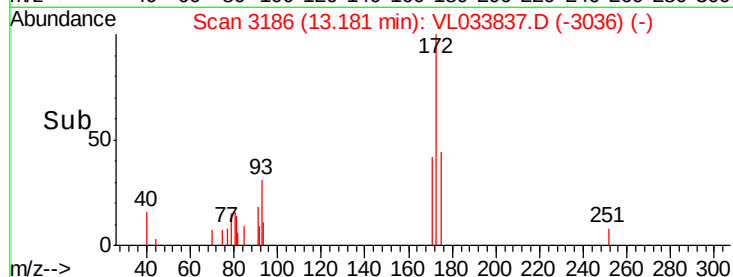
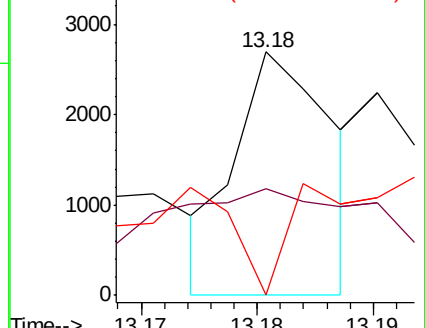
171 0.0 41.5 62.3#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#52

Tetrachloroethene

Concen: 0.024 ppbv

RT: 11.35 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:164 Resp: 1885

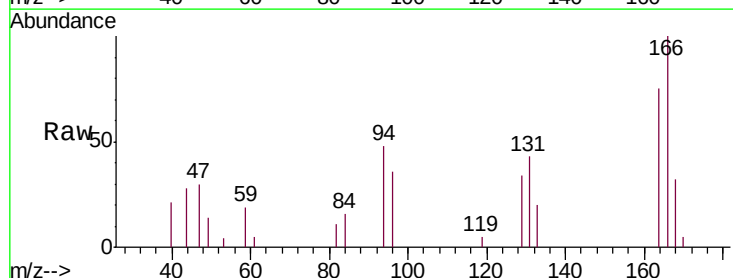
Ion Ratio Lower Upper

164 100

166 132.5 98.9 148.3

129 42.0 81.8 122.6#

131 49.4 81.1 121.7#

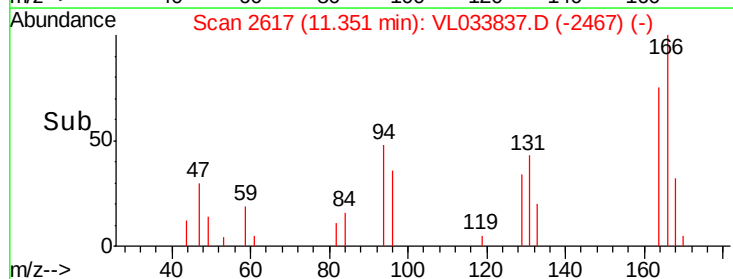
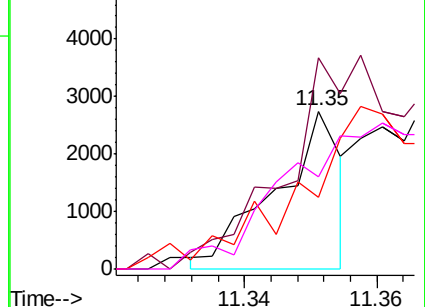


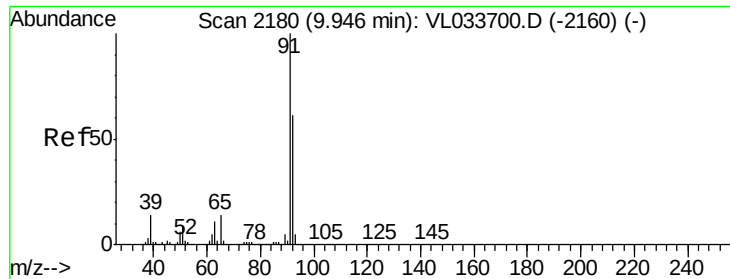
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.014 ppbv

RT: 9.92 min Scan# 2173

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

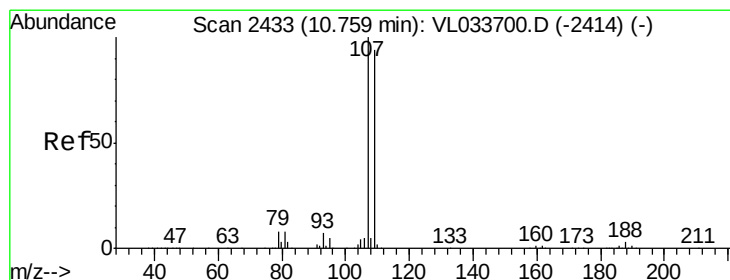
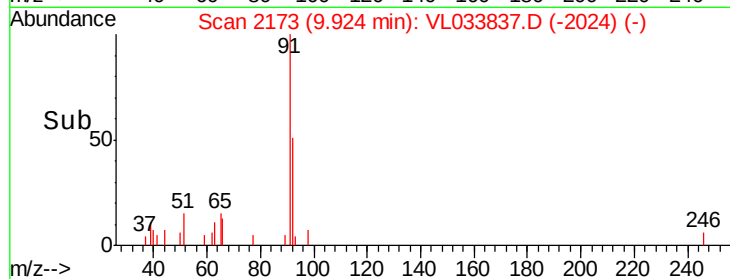
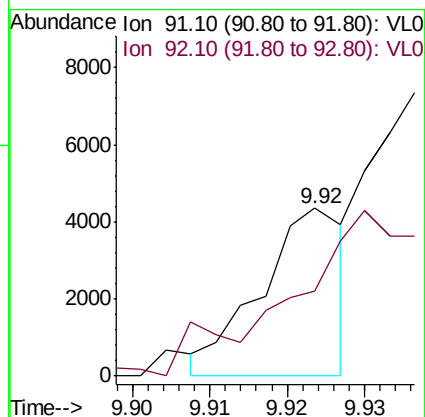
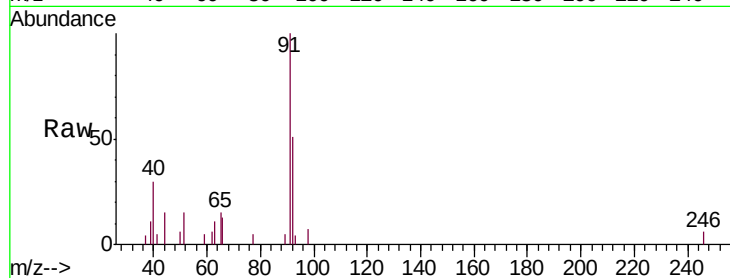
VIBLK

Tgt Ion: 91 Resp: 3269

Ion Ratio Lower Upper

91 100

92 251.1 47.6 71.4#



#54

1,2-Dibromoethane

Concen: 0.026 ppbv

RT: 10.74 min Scan# 2428

Delta R.T. -0.02 min

Lab File: VL033837.D

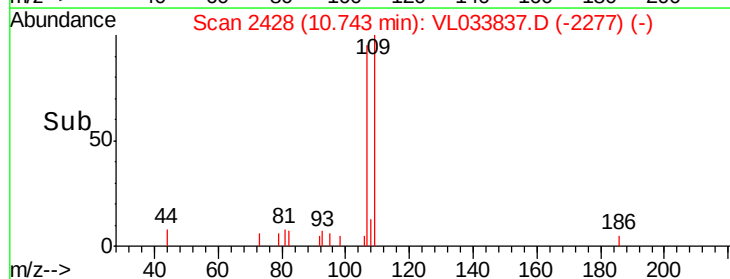
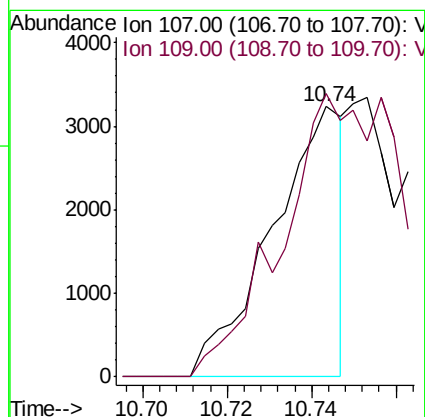
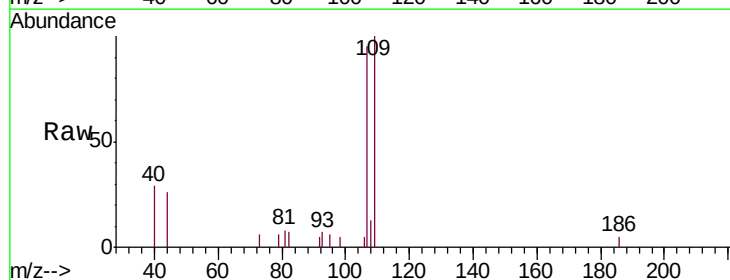
Acq: 29 May 2019 14:20

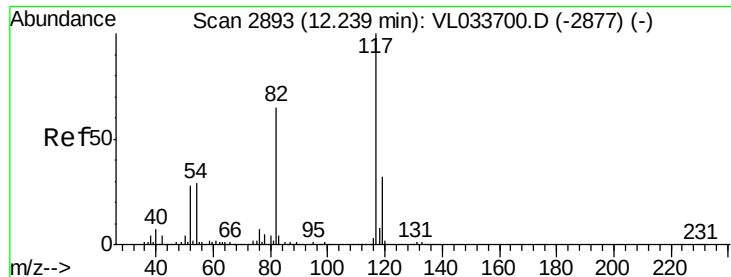
Tgt Ion: 107 Resp: 3767

Ion Ratio Lower Upper

107 100

109 104.7 75.2 112.8

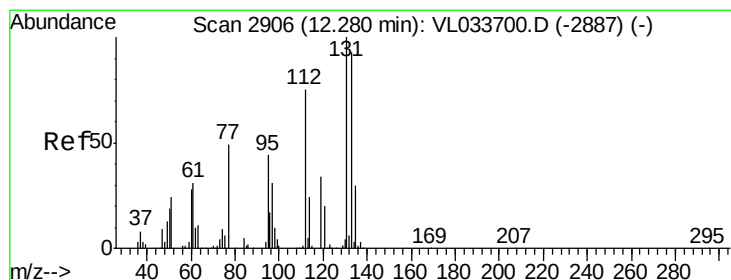
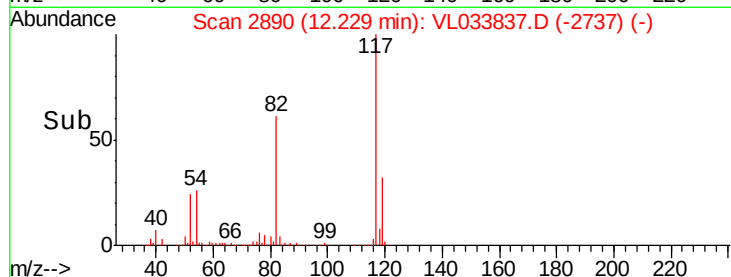
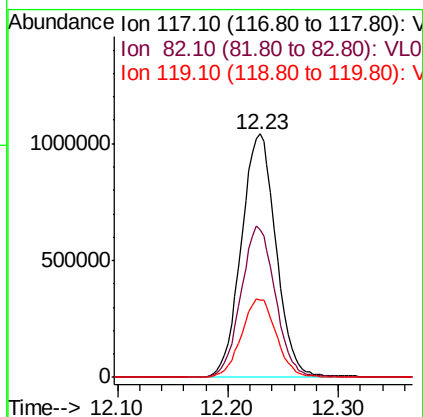
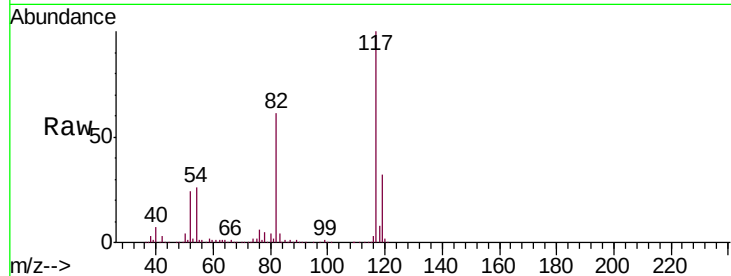




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

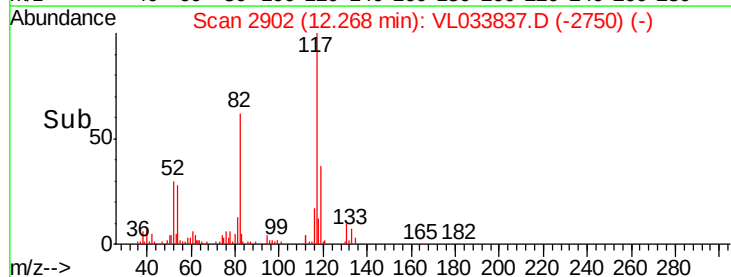
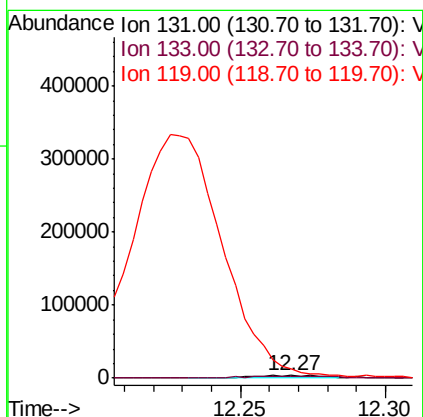
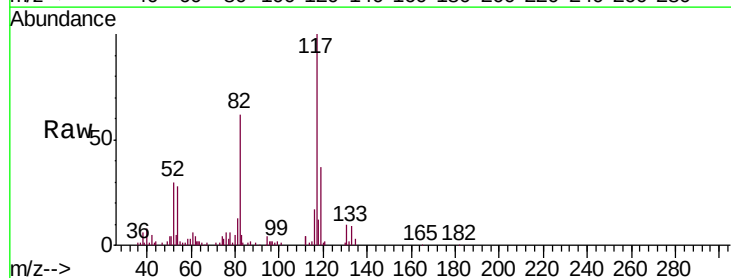
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

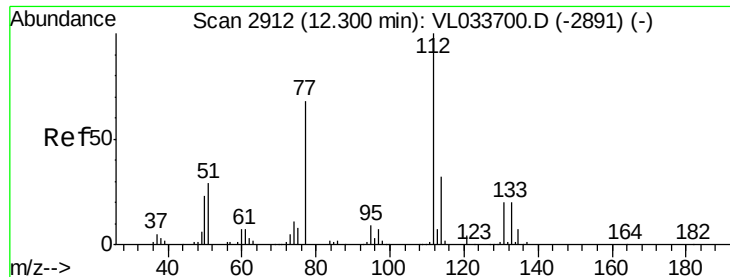
Tgt Ion:117 Resp: 2266870
Ion Ratio Lower Upper
117 100
82 62.0 49.4 74.0
119 32.5 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.057 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion:131 Resp: 6007
Ion Ratio Lower Upper
131 100
133 102.0 76.6 114.8
119 12253.1 49.0 73.4#

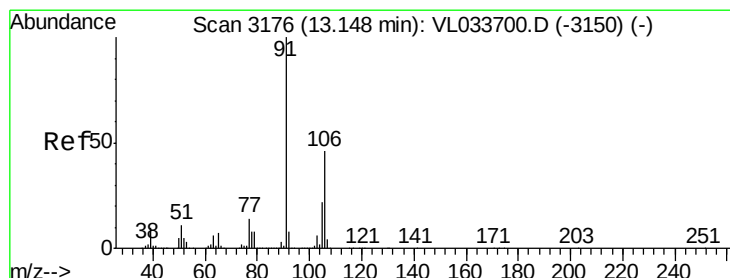
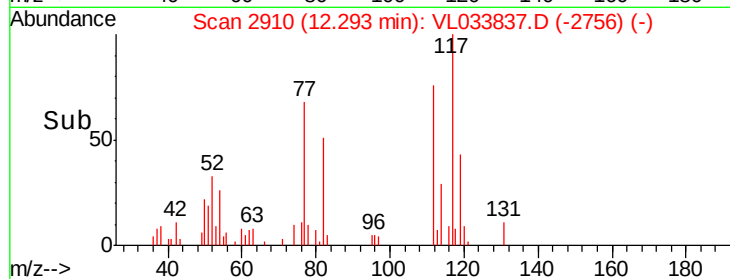
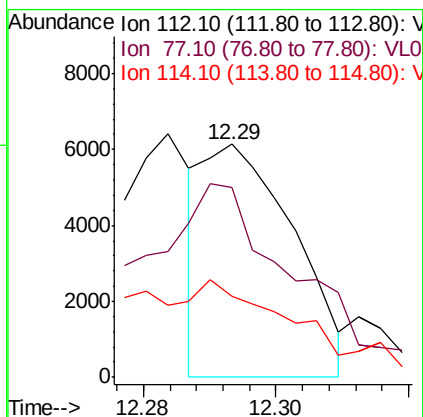
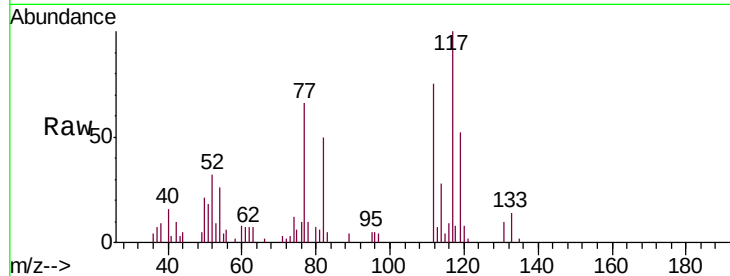




#57
Chlorobenzene
Concen: 0.031 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

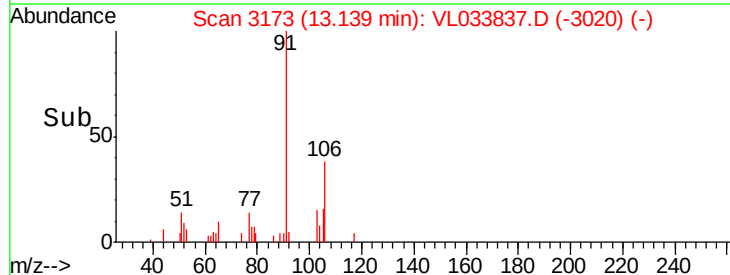
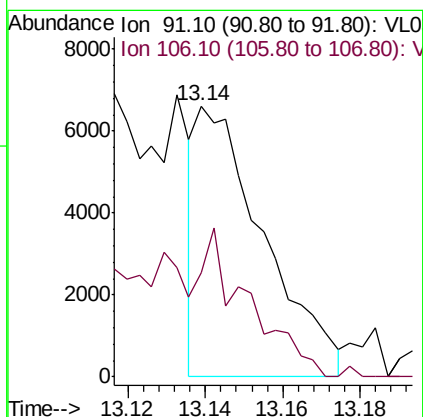
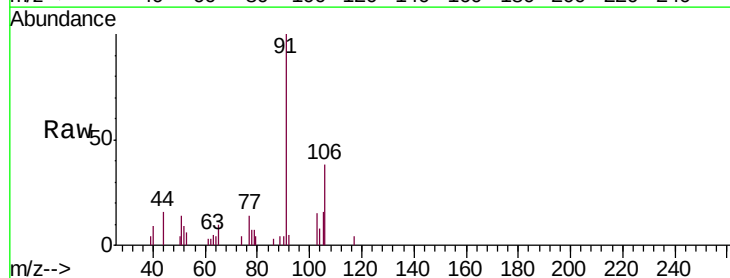
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

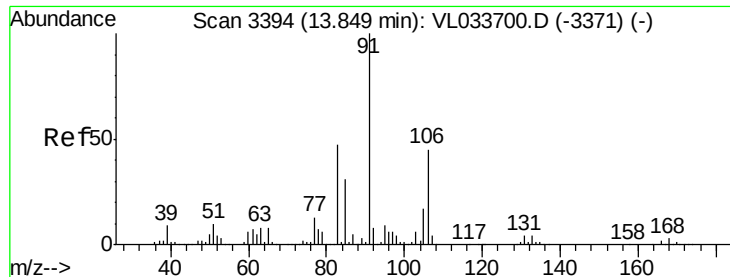
Tgt Ion: 112 Resp: 5763
Ion Ratio Lower Upper
112 100
77 55.9 55.4 83.0
114 37.7 29.3 35.8#



#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 91 Resp: 7945
Ion Ratio Lower Upper
91 100
106 128.5 35.8 53.6#

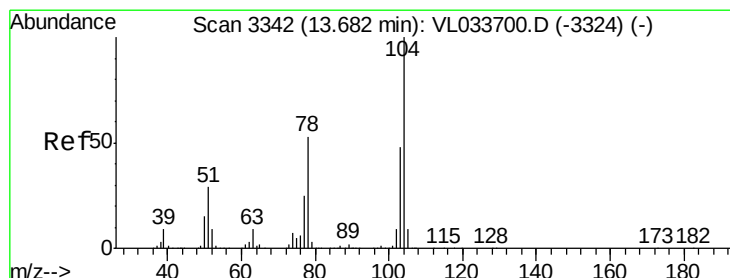
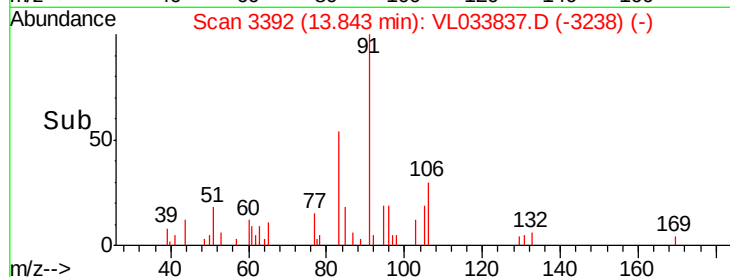
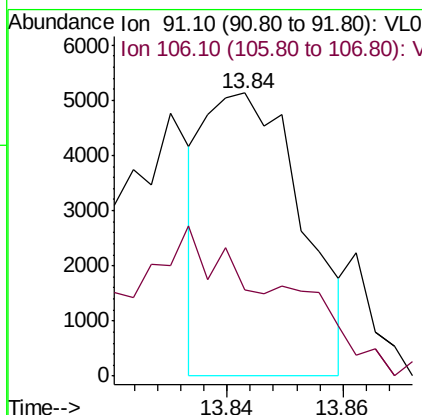
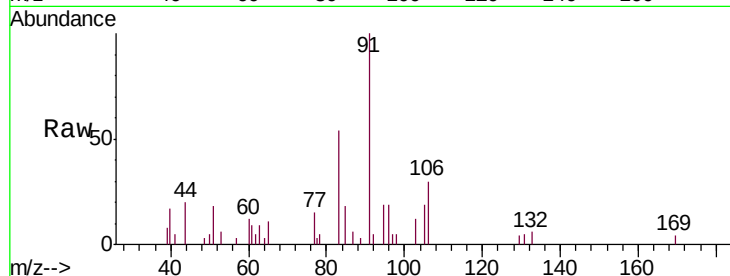




#60
o-Xylene
Concen: 0.023 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

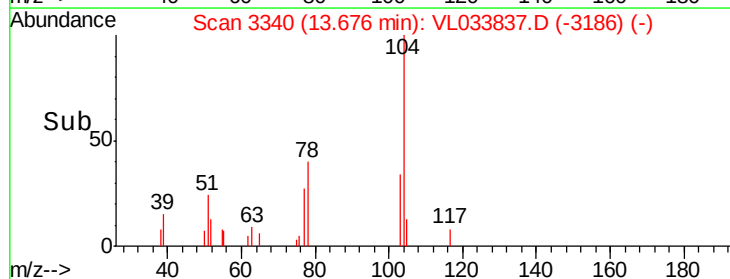
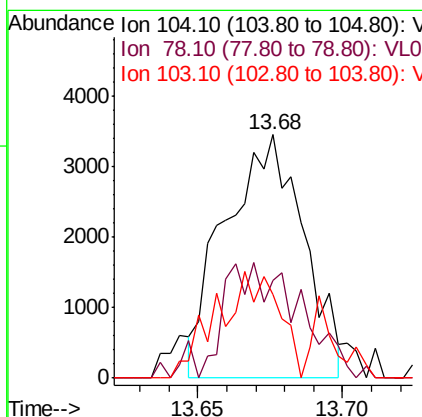
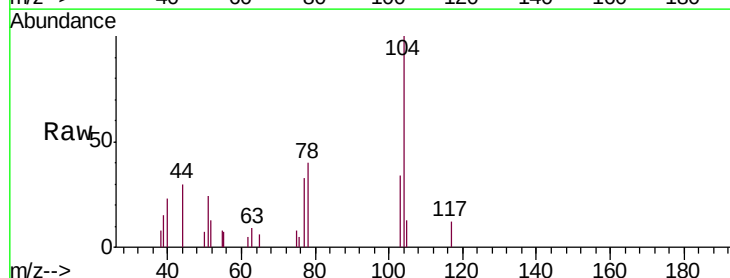
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

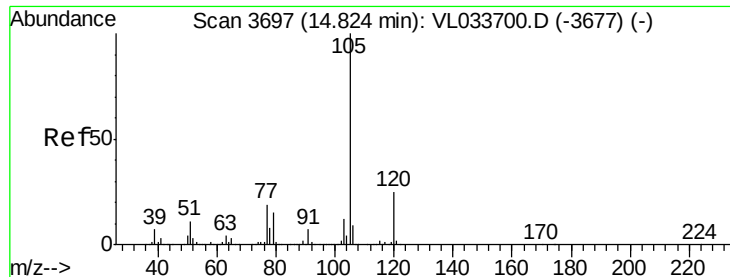
Tgt Ion: 91 Resp: 5952
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.8#



#61
Styrene
Concen: 0.037 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 104 Resp: 6504
Ion Ratio Lower Upper
104 100
78 47.8 42.6 64.0
103 44.4 37.8 56.6





#62

Isopropylbenzene

Concen: 0.030 ppbv

RT: 14.81 min Scan# 3693

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

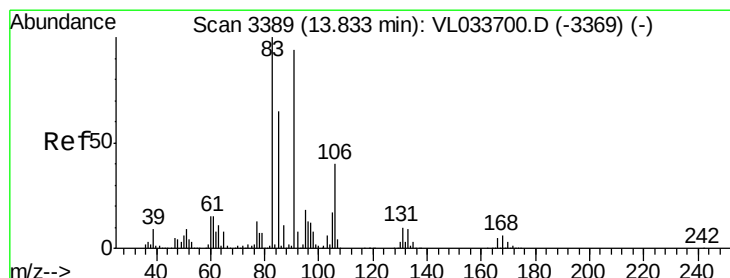
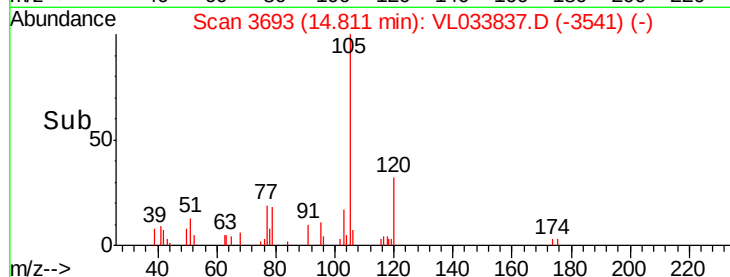
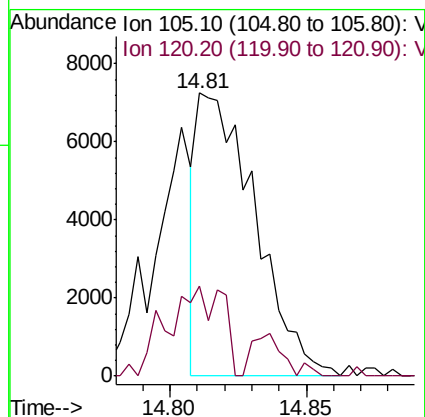
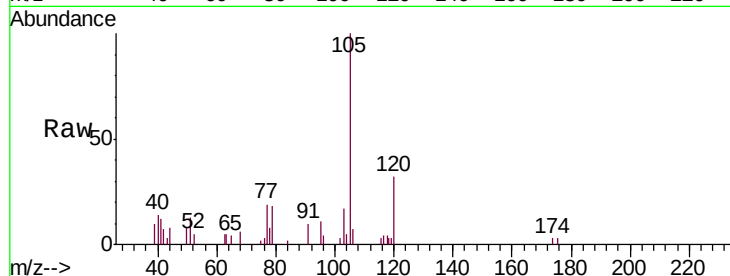
VIBLK

Tgt Ion:105 Resp: 10674

Ion Ratio Lower Upper

105 100

120 38.8 20.1 30.1#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.038 ppbv

RT: 13.82 min Scan# 3386

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

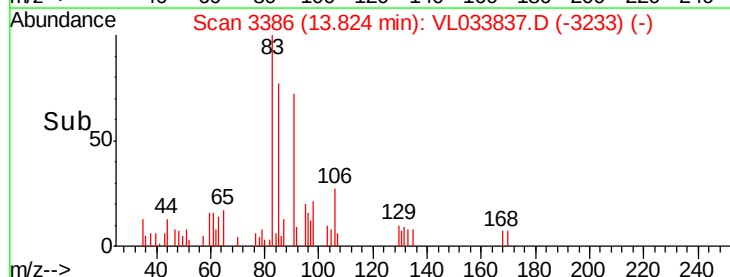
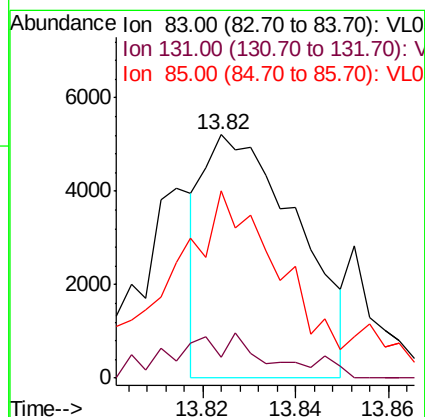
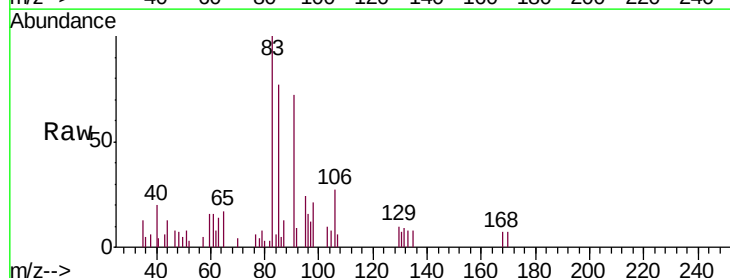
Tgt Ion: 83 Resp: 7339

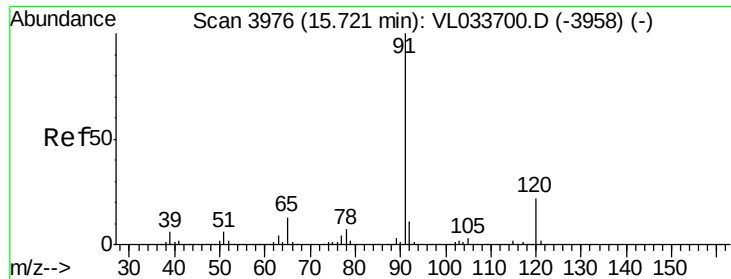
Ion Ratio Lower Upper

83 100

131 20.9 4.8 14.3#

85 108.9 32.3 96.9#

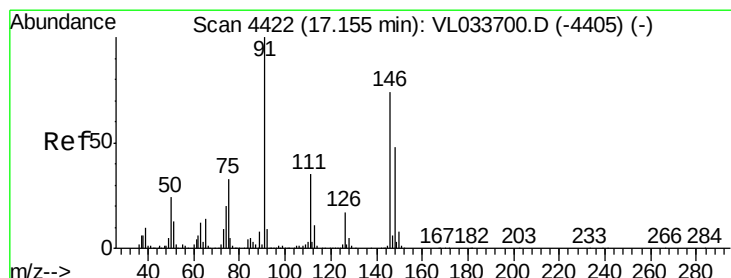
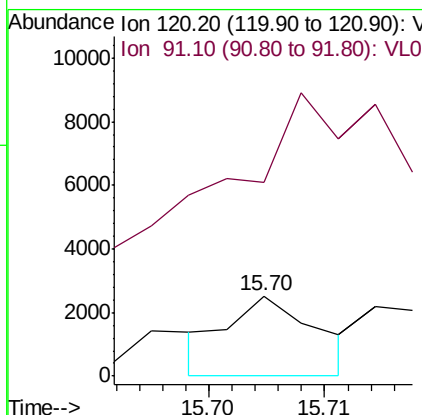
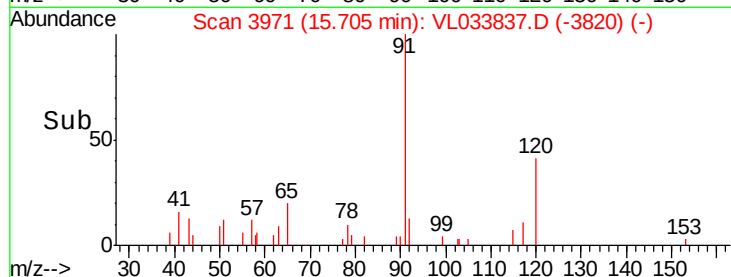
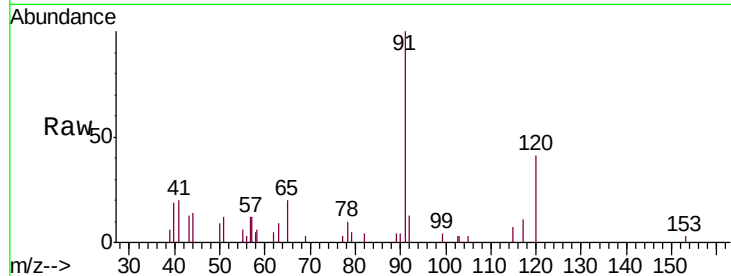




#64
n-propylbenzene
Concen: 0.015 ppbv
RT: 15.70 min Scan# 3971
Delta R.T. -0.02 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

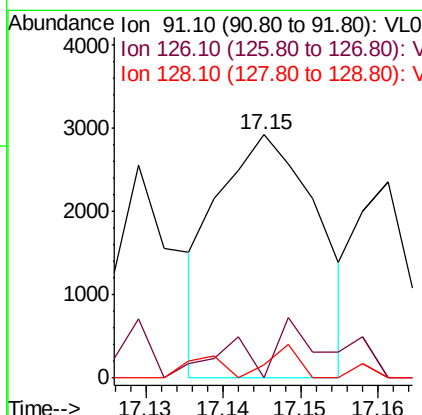
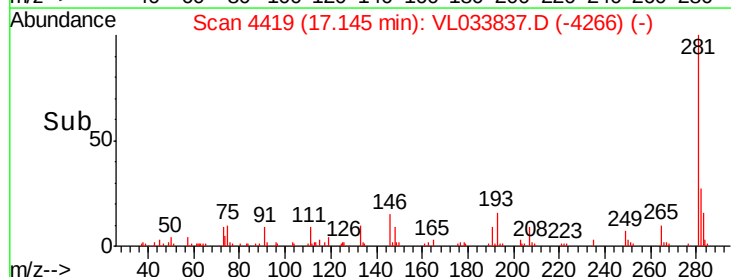
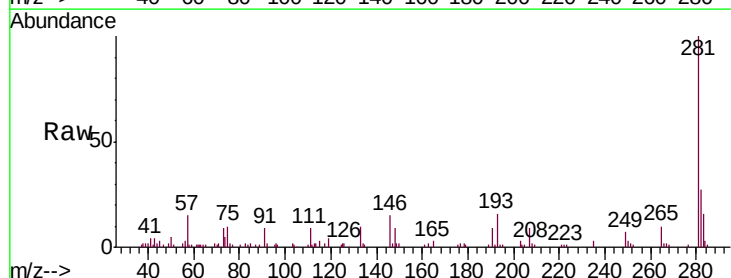
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

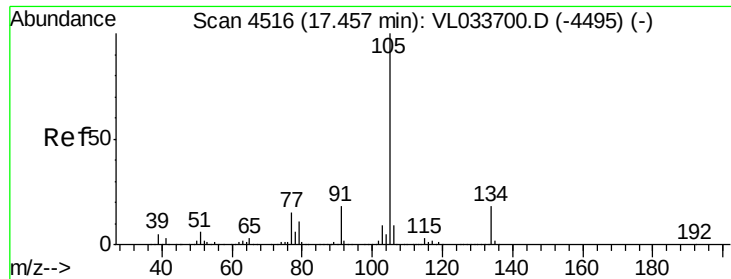
Tgt Ion: 120 Resp: 1343
Ion Ratio Lower Upper
120 100
91 1436.0 379.1 568.7#



#66
Benzyl Chloride
Concen: 0.017 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.01 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion: 91 Resp: 2640
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.026 ppbv

RT: 17.44 min Scan# 4511

Delta R.T. -0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

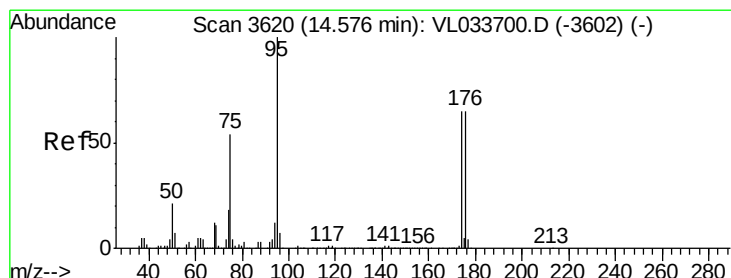
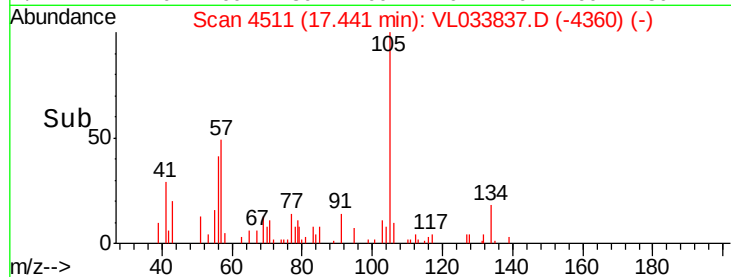
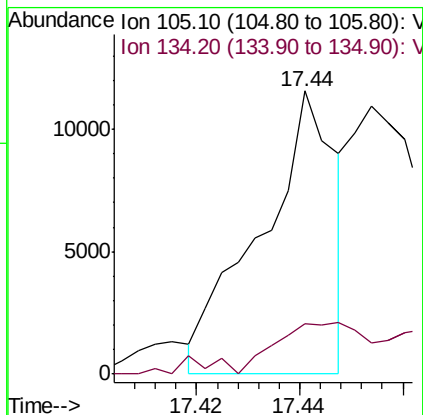
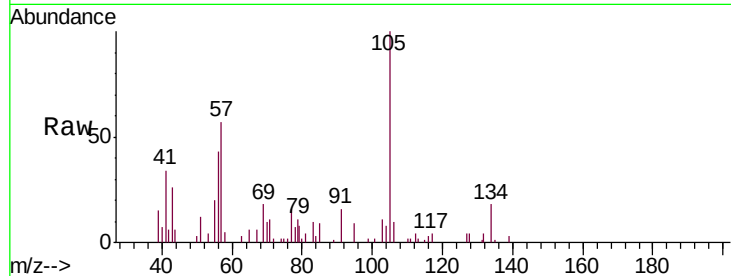
VIBLK

Tgt Ion: 105 Resp: 11660

Ion Ratio Lower Upper

105 100

134 0.0 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.684 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

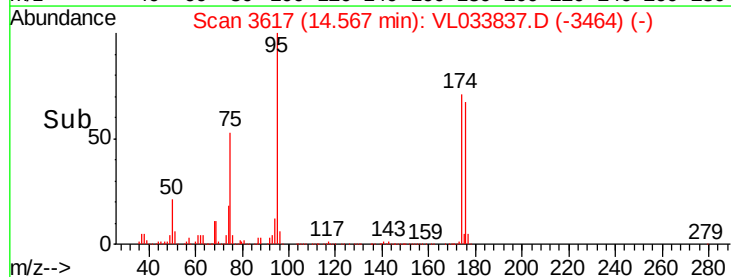
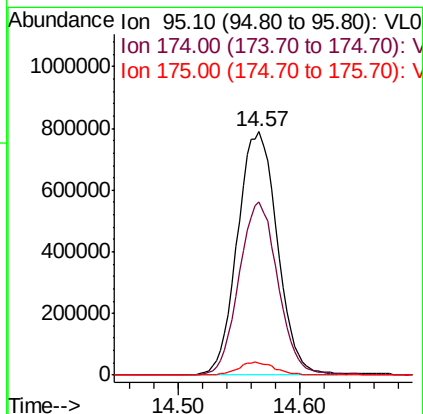
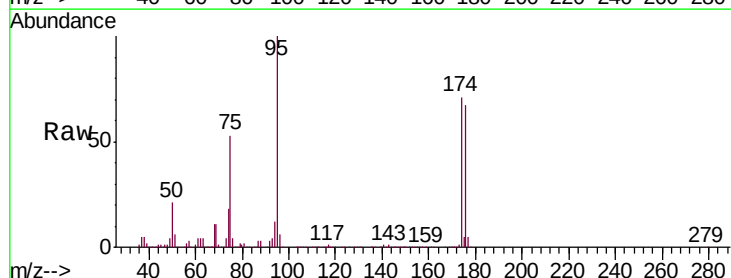
Tgt Ion: 95 Resp: 1779622

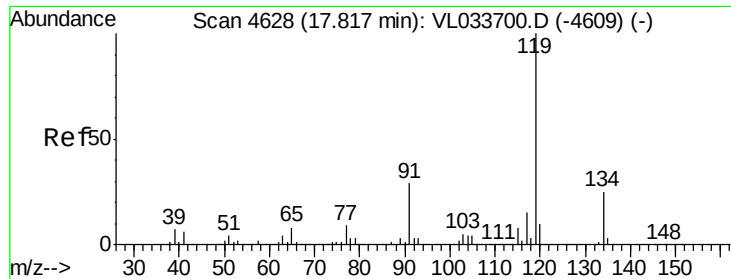
Ion Ratio Lower Upper

95 100

174 70.0 53.9 80.9

175 5.0 3.8 5.8

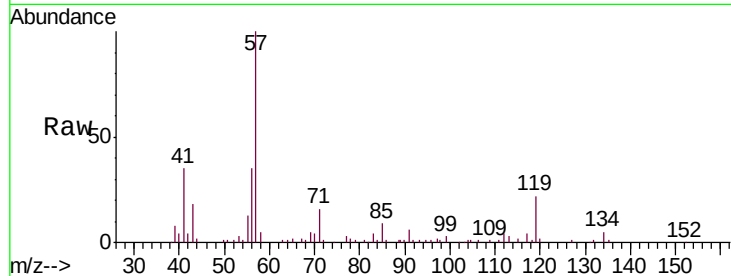




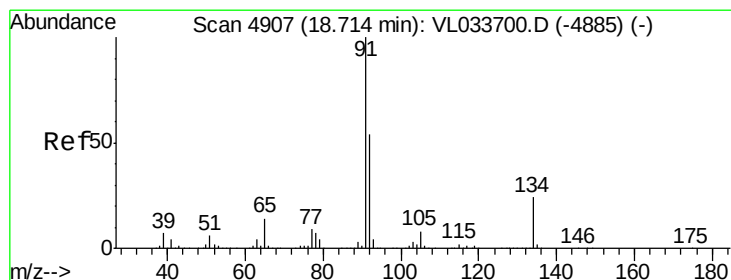
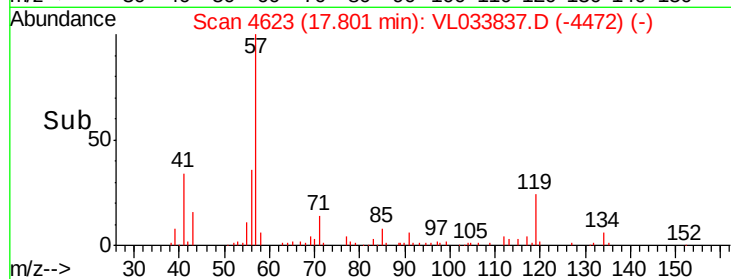
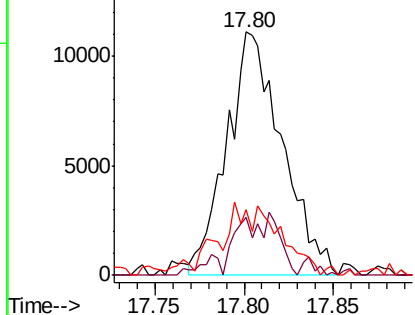
#69
p-Isopropyltoluene
Concen: 0.064 ppbv
RT: 17.80 min Scan# 4623
Delta R.T. -0.02 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Instrument :
MSVOA_L
ClientSampled :
VIBLK

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.0	20.3	30.5
91	33.9	23.1	34.7

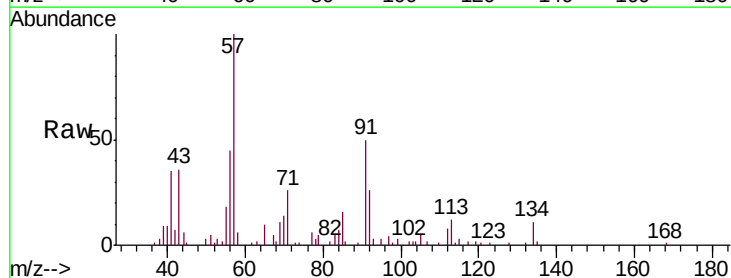


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

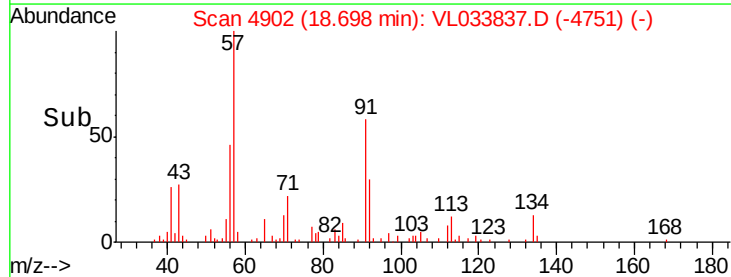
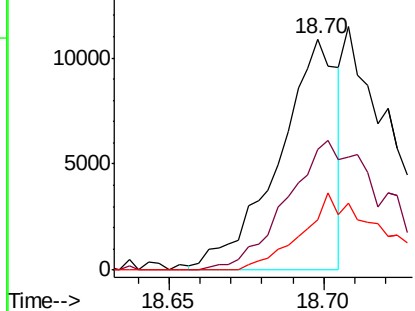


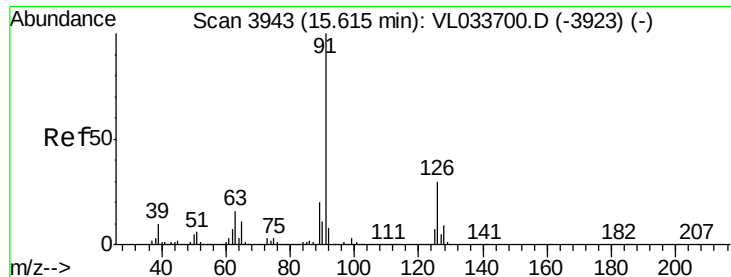
#70
n-Butylbenzene
Concen: 0.036 ppbv
RT: 18.70 min Scan# 4902
Delta R.T. -0.02 min
Lab File: VL033837.D
Acq: 29 May 2019 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	97.7	42.6	63.8#
134	46.5	18.1	27.1#



Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V

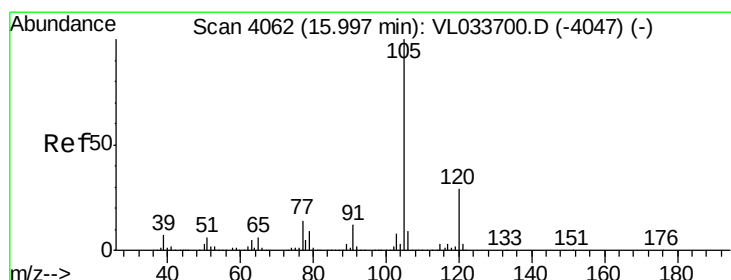
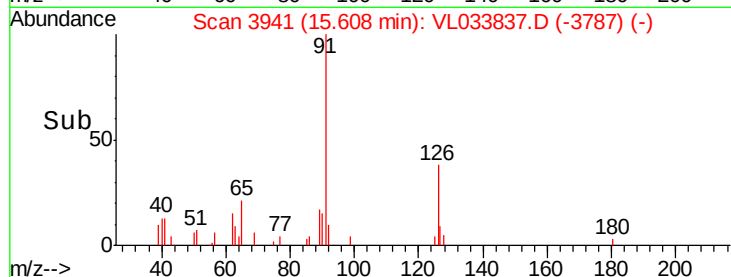
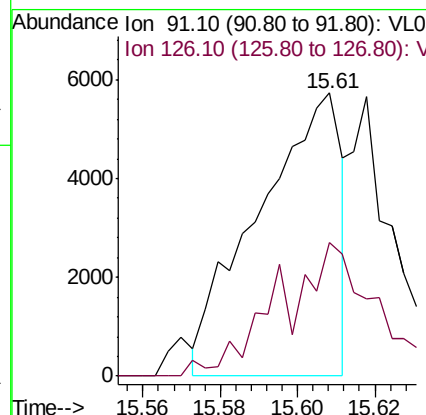
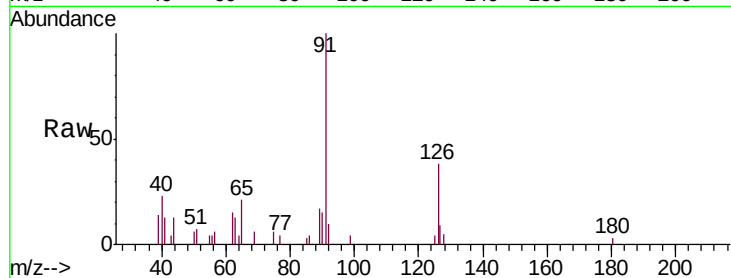




#71
 2-Chlorotoluene
 Concen: 0.032 ppbv
 RT: 15.61 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

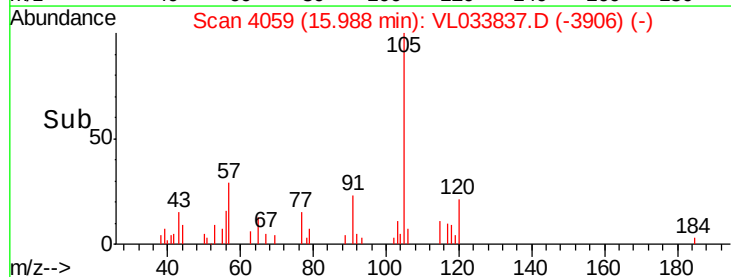
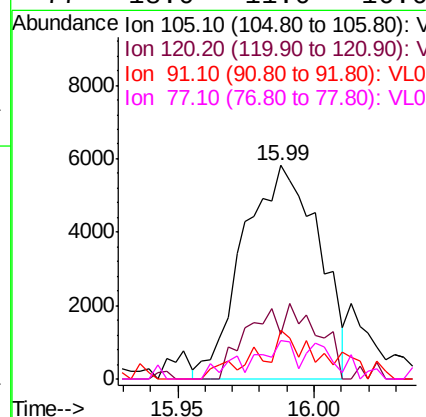
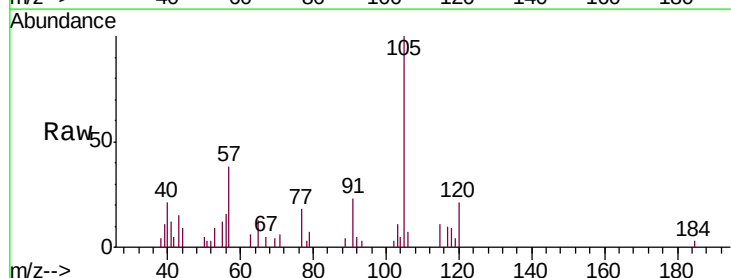
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

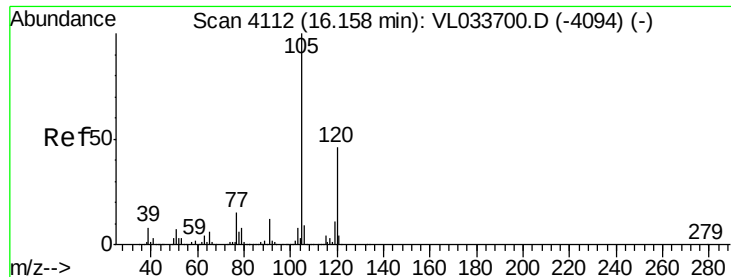
Tgt Ion: 91 Resp: 8586
 Ion Ratio Lower Upper
 91 100
 126 52.9 12.0 47.8#



#72
 4-Ethyltoluene
 Concen: 0.037 ppbv
 RT: 15.99 min Scan# 4059
 Delta R.T. -0.01 min
 Lab File: VL033837.D
 Acq: 29 May 2019 14:20

Tgt Ion: 105 Resp: 11208
 Ion Ratio Lower Upper
 105 100
 120 32.5 23.1 34.7
 91 20.2 10.4 15.6#
 77 18.0 11.0 16.6#





#73

1,3,5-Trimethylbenzene

Concen: 0.045 ppbv

RT: 16.15 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

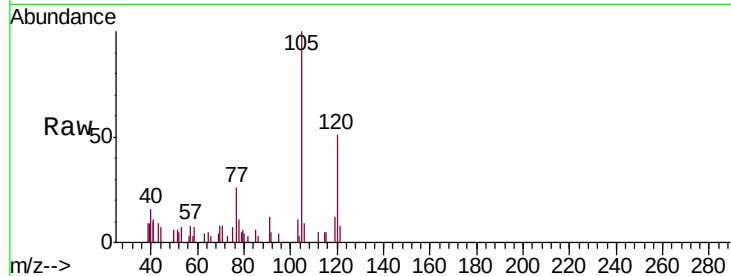
VIBLK

Tgt Ion:105 Resp: 13187

Ion Ratio Lower Upper

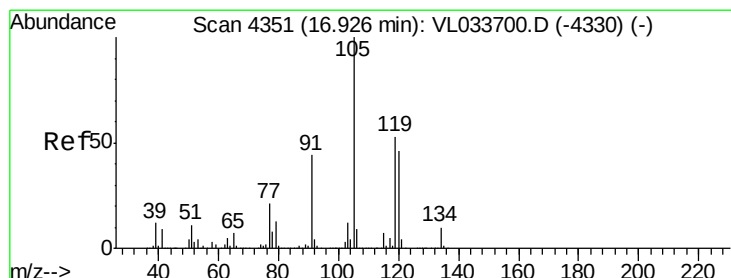
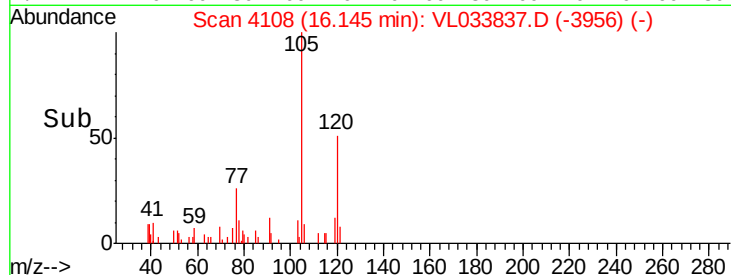
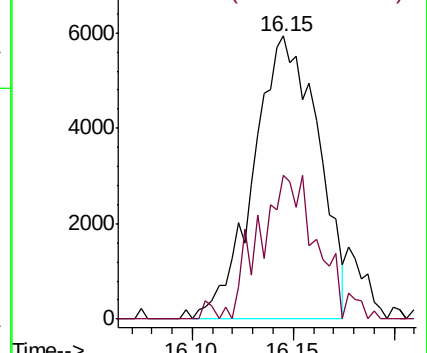
105 100

120 50.7 37.0 55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.023 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:105 Resp: 7450

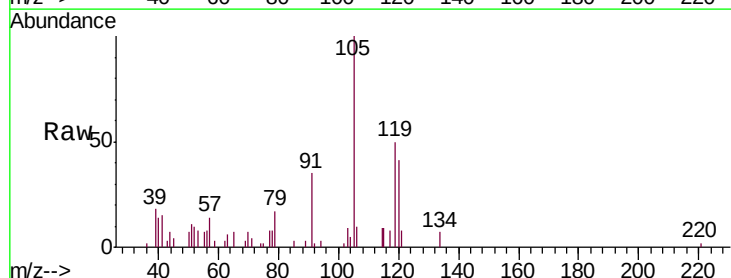
Ion Ratio Lower Upper

105 100

120 114.4 36.8 55.2#

91 0.0 35.4 53.0#

77 16.9 16.8 25.2

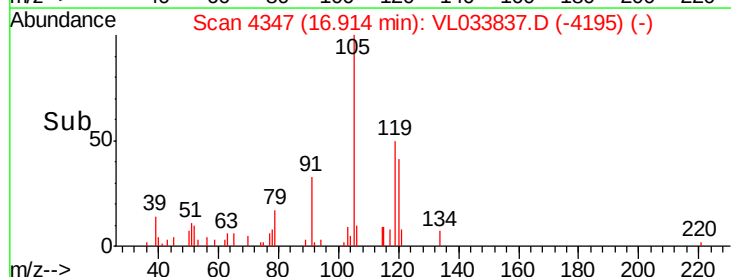
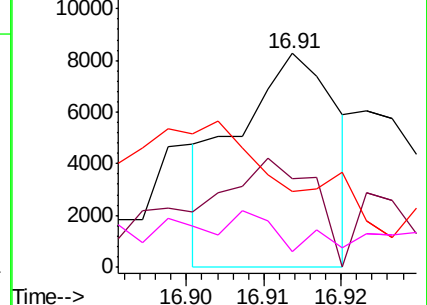


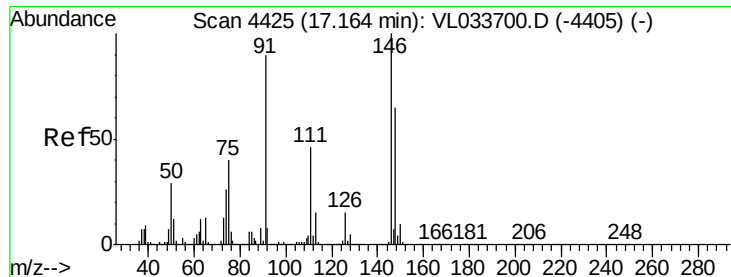
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.027 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampled :

VIBLK

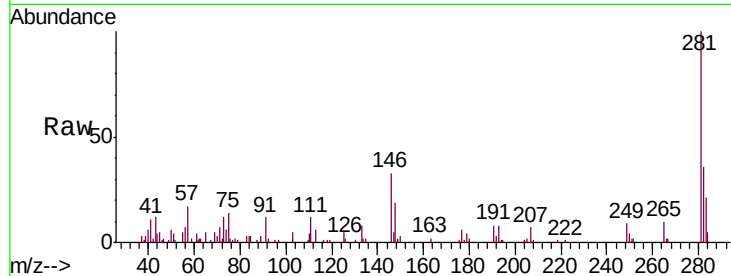
Tgt Ion:146 Resp: 5378

Ion Ratio Lower Upper

146 100

111 161.0 22.9 68.8#

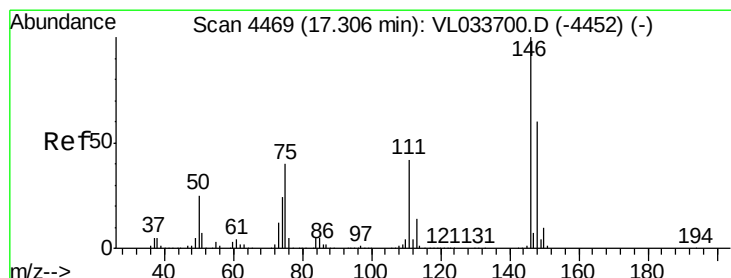
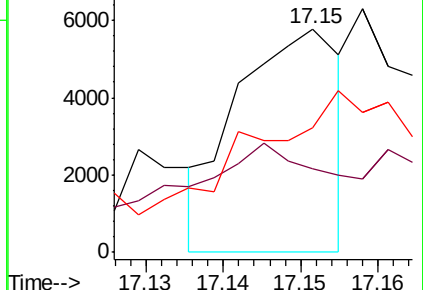
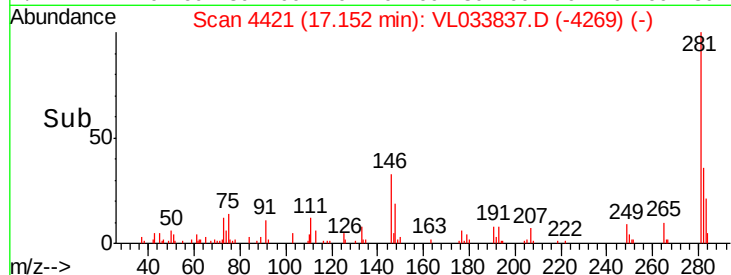
148 0.0 32.0 96.2#



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



#76

1,4-Dichlorobenzene

Concen: 0.016 ppbv

RT: 17.30 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

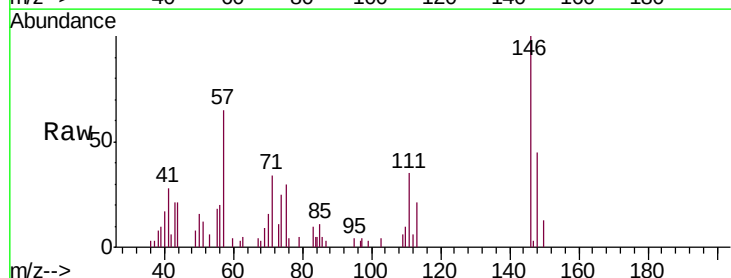
Tgt Ion:146 Resp: 3085

Ion Ratio Lower Upper

146 100

111 184.5 21.9 65.8#

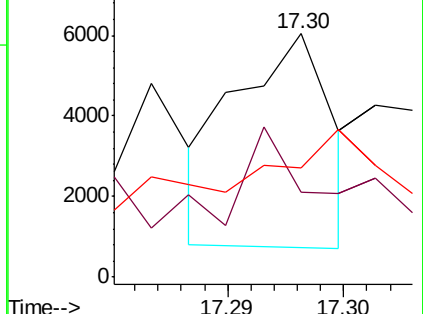
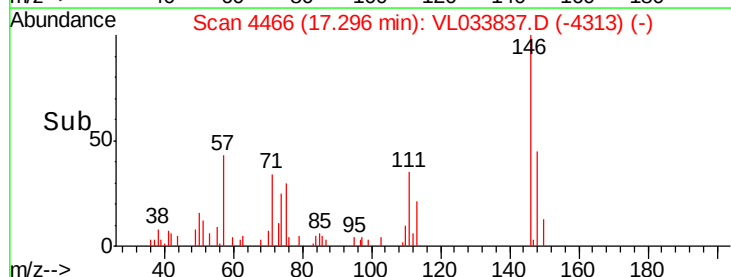
148 0.0 32.1 96.3#

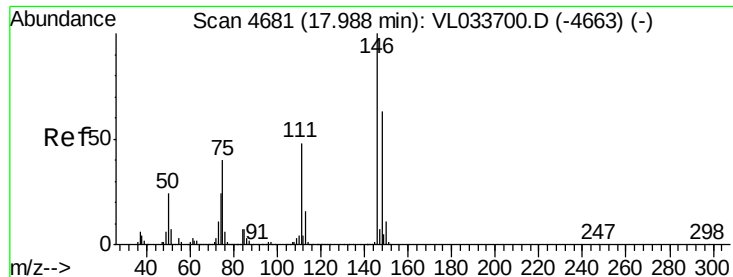


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.022 ppbv

RT: 17.97 min Scan# 4675

Delta R.T. -0.02 min

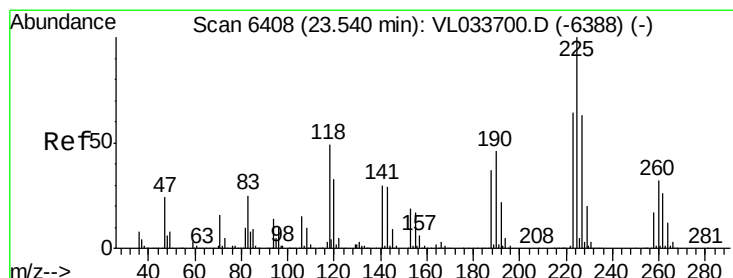
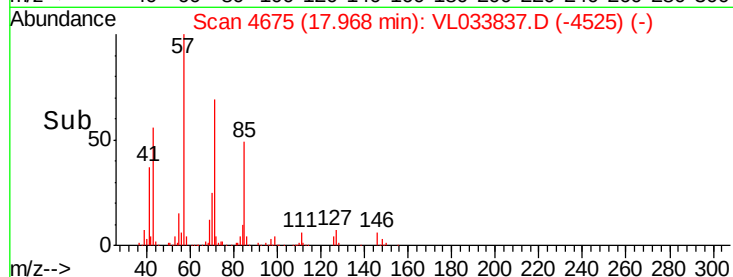
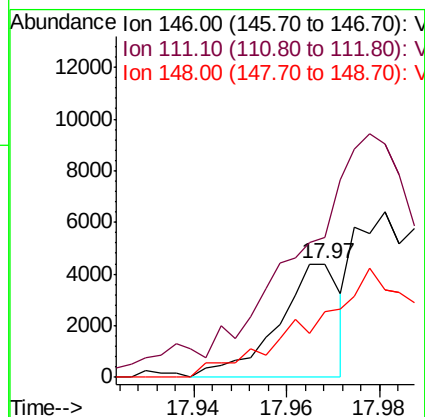
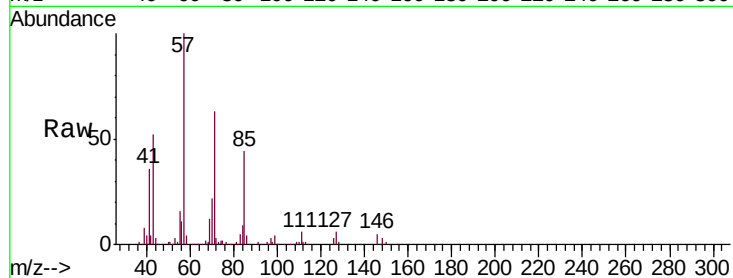
Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:146 Resp: 4061

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	0.0	32.1	96.3#



#78

Hexachloro-1,3-Butadiene

Concen: 0.034 ppbv

RT: 23.53 min Scan# 6405

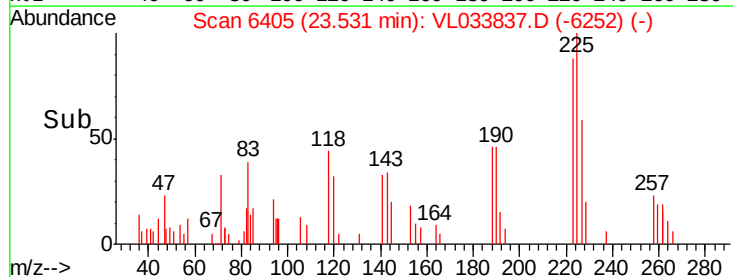
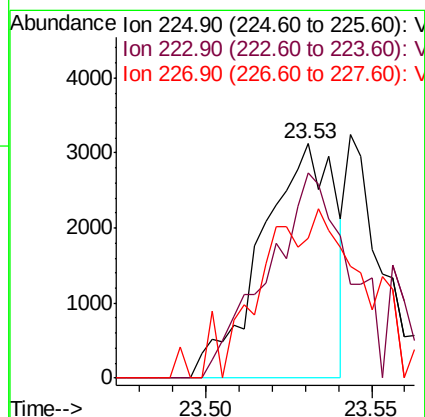
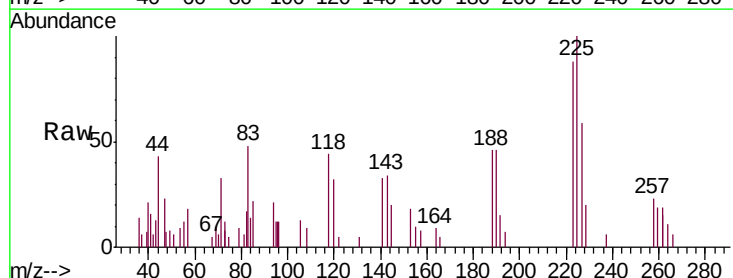
Delta R.T. -0.01 min

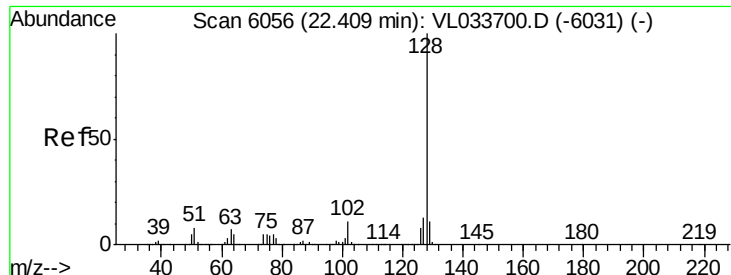
Lab File: VL033837.D

Acq: 29 May 2019 14:20

Tgt Ion:225 Resp: 4793

Ion	Ratio	Lower	Upper
225	100		
223	111.4	50.2	75.4#
227	104.5	50.7	76.1#





#79

Naphthalene

Concen: 0.015 ppbv

RT: 22.40 min Scan# 6052

Delta R.T. -0.01 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

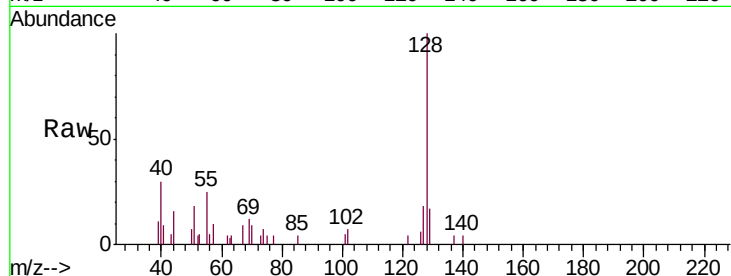
Tgt Ion:128 Resp: 4586

Ion Ratio Lower Upper

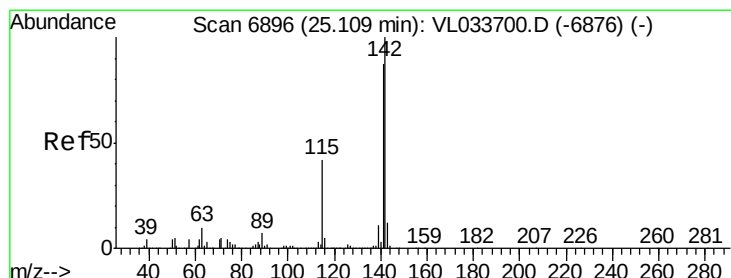
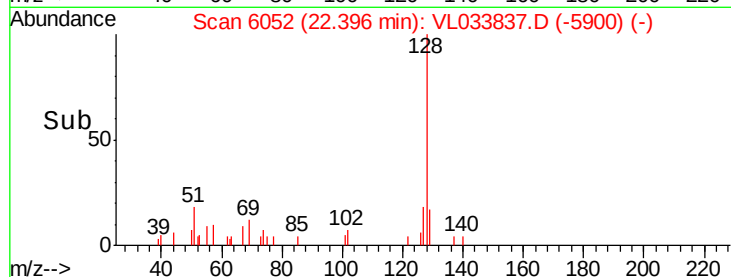
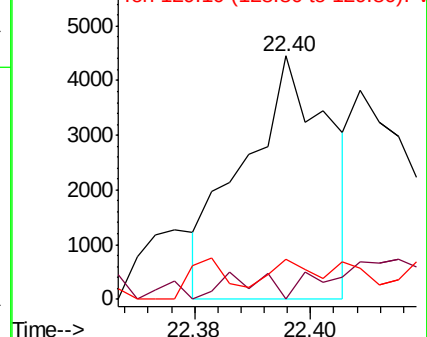
128 100

127 0.0 10.6 16.0#

129 4.5 8.9 13.3#



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.13 min Scan# 6901

Delta R.T. 0.02 min

Lab File: VL033837.D

Acq: 29 May 2019 14:20

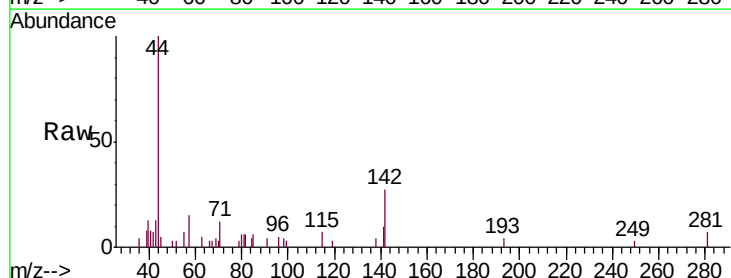
Tgt Ion:142 Resp: 3521

Ion Ratio Lower Upper

142 100

141 82.0 67.2 100.8

115 31.5 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

