

Data File : VL033802.D
Acq On : 28 May 2019 13:05
Operator : SY/AP
Sample : K2929-17
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

Quant Time: May 29 04:35:29 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	5.76	49	882372	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2306948	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2184050	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1765059	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	32789	0.176	ppbv	99
3) Chlorodifluoromethane	3.01	51	74771	0.740	ppbv #	89
4) Chloromethane	3.17	50	47209	0.817	ppbv	90
6) Bromomethane	3.51	94	675	0.019	ppbv #	13
7) Chloroethane	3.59	64	890	0.043	ppbv	96
8) Dichlorotetrafluoroethane	3.21	85	1872	0.012	ppbv #	77
9) Propene	3.03	41	3983875	92.670	ppbv	95
10) Heptane	8.24	43	285173	2.343	ppbv	98
11) Trichlorofluoromethane	4.00	101	42727	0.241	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	28461	0.230	ppbv	92
13) Ethanol	3.66	45	523198	37.654	ppbv	99
15) Acetone	3.89	43	14684732	119.949	ppbv #	74
16) 1,3-Butadiene	3.34	39	2797376	57.380	ppbv #	23
17) tert-Butyl alcohol	4.36	59	458051	4.627	ppbv	97
19) Isopropyl Alcohol	4.03	45	133970	1.697	ppbv #	94
20) Methylene Chloride	4.41	84	117021	2.483	ppbv #	93
21) Allyl Chloride	4.46	41	66393	0.869	ppbv #	1
23) Vinyl Acetate	5.15	43	232375	1.440	ppbv #	70
24) 1,1-Dichloroethane	5.13	63	3267	0.027	ppbv #	90
25) Ethyl Acetate	5.77	43	377248	1.754	ppbv #	83
26) Hexane	5.77	57	489434	5.294	ppbv #	36
27) Carbon Disulfide	4.62	76	254853	2.009	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1887	0.013	ppbv #	54
29) Chloroform	5.85	83	70692	0.415	ppbv	99
30) Cyclohexane	7.25	84	10810	0.139	ppbv #	1
32) 1,1,1-Trichloroethane	6.62	97	1914	0.011	ppbv #	23
34) 2-Butanone	5.32	43	2200238	15.387	ppbv	98
35) Carbon Tetrachloride	7.14	117	4014	0.022	ppbv	97
36) Benzene	7.00	78	372867	1.777	ppbv	98
37) 1,2-Dichloroethane	6.41	62	2479	0.018	ppbv #	56
38) Trichloroethene	7.96	130	2815	0.036	ppbv #	51
39) 1,2-Dichloropropane	7.29	63	581461	7.432	ppbv #	22
41) Tetrahydrofuran	6.15	42	8471	0.106	ppbv #	36
42) Bromodichloromethane	7.92	83	5913	0.032	ppbv #	24
43) Methyl Methacrylate	8.10	69	4152	0.054	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	79135	0.223	ppbv #	22
50) 4-Methyl-2-Pentanone	8.87	43	125020	0.568	ppbv	97
51) 2-Hexanone	10.26	43	210073	1.224	ppbv #	95
52) Tetrachloroethene	11.38	164	2985	0.040	ppbv	92
53) Toluene	9.94	91	2130736	9.414	ppbv	99
58) Ethyl Benzene	12.86	91	312474	1.080	ppbv	94

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ClientSampleId :
BPS1-SG-3006-55

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) m/p-Xylene	13.11	91	889077	3.517	ppbv	99
60) o-Xylene	13.84	91	287280	1.127	ppbv	98
61) Styrene	13.68	104	6896	0.040	ppbv #	1
63) 1,1,2,2-Tetrachloroethane	13.83	83	3129	0.017	ppbv #	31
64) n-propylbenzene	15.71	120	4771	0.054	ppbv #	1
65) tert-Butylbenzene	16.91	119	15106	0.048	ppbv #	9
67) sec-Butylbenzene	17.44	105	4618	0.011	ppbv #	59
69) p-Isopropyltoluene	17.79	119	5077	0.014	ppbv #	48
70) n-Butylbenzene	18.70	91	11090	0.029	ppbv #	33
72) 4-Ethyltoluene	15.99	105	62153	0.213	ppbv #	86
73) 1,3,5-Trimethylbenzene	16.15	105	52393	0.184	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	162406	0.525	ppbv #	75
75) 1,3-Dichlorobenzene	17.15	146	13584	0.072	ppbv #	23
76) 1,4-Dichlorobenzene	17.29	146	2425	0.013	ppbv #	1
77) 1,2-Dichlorobenzene	17.98	146	4400	0.025	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.53	225	4673	0.035	ppbv #	19
79) Naphthalene	22.40	128	14656	0.051	ppbv #	77
80) Naphthalene,2-methyl-	25.10	142	10073	0.092	ppbv	90
81) 1,2,4-Trichlorobenzene	22.13	180	2506	0.015	ppbv #	12

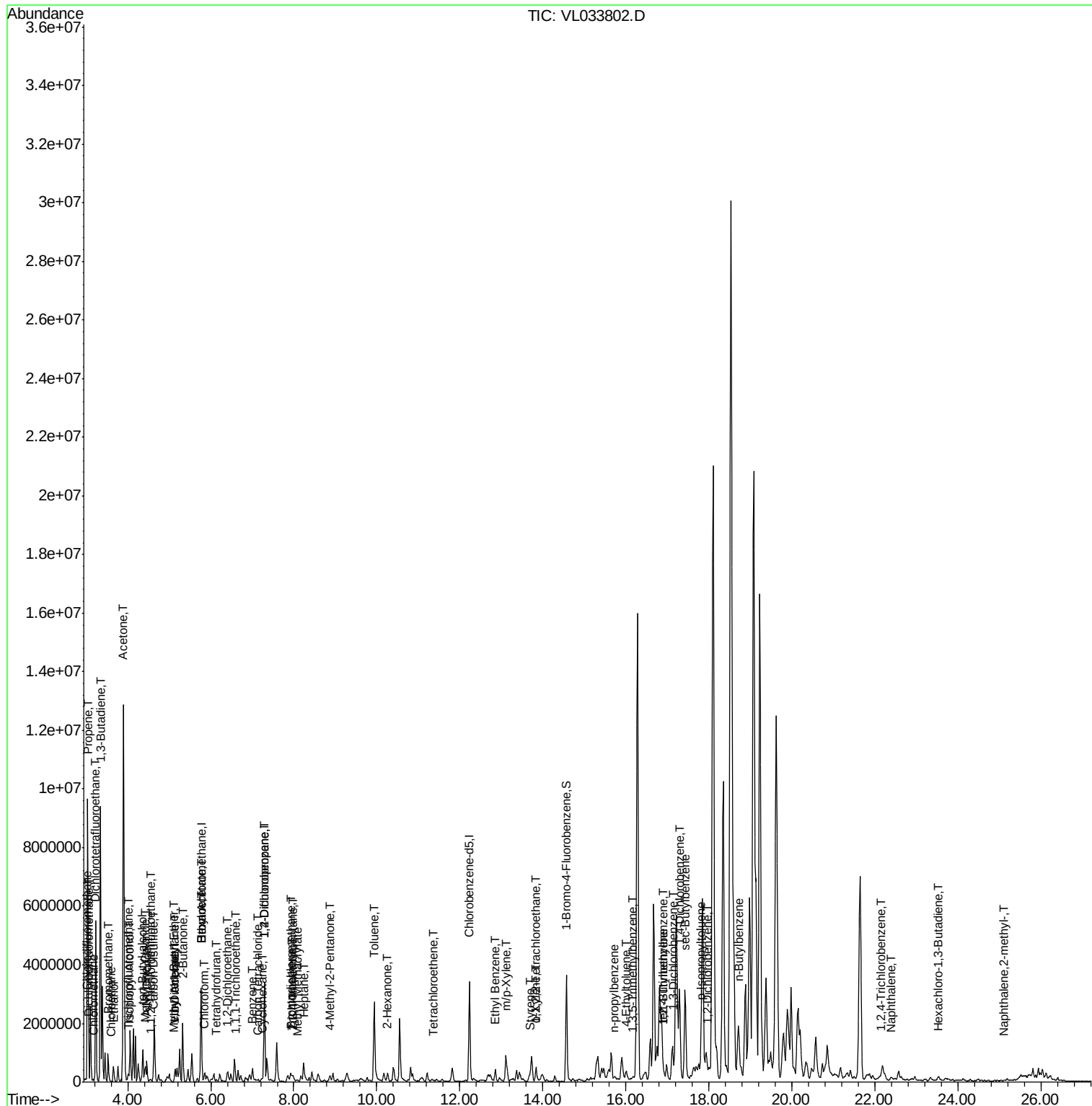
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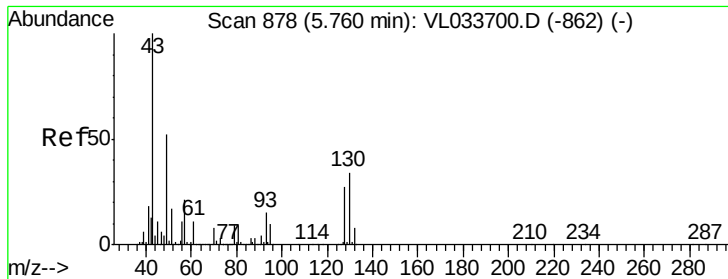
Data File : VL033802.D

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Operator     : SY/AP
Sample       : K2929-17
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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

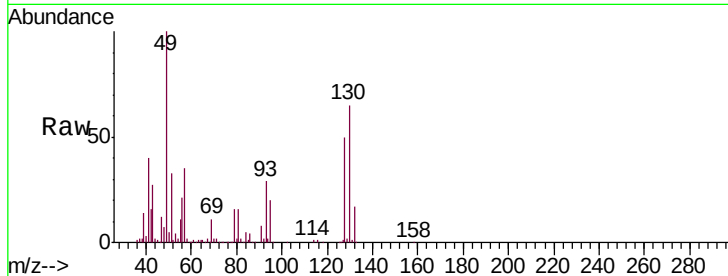
Tgt Ion: 49 Resp: 882372

Ion Ratio Lower Upper

49 100

128 50.9 25.2 75.6

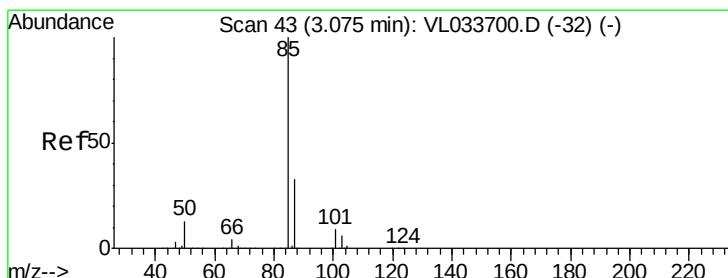
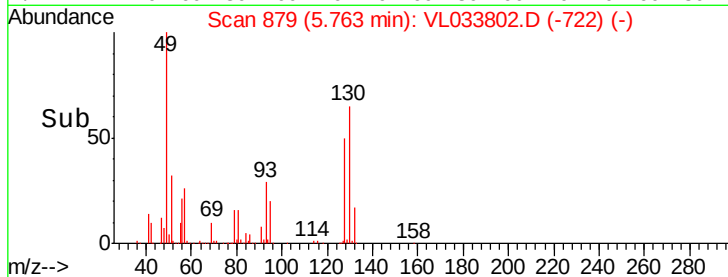
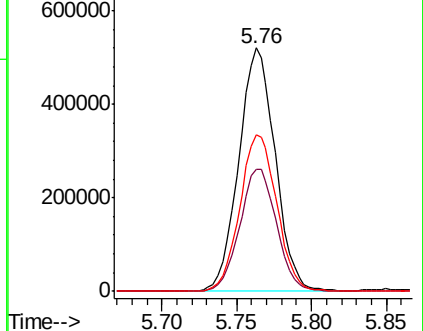
130 65.4 32.5 97.5



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: 0.176 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033802.D

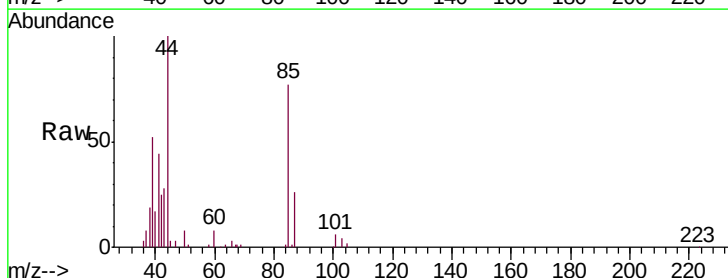
Acq: 28 May 2019 13:05

Tgt Ion: 85 Resp: 32789

Ion Ratio Lower Upper

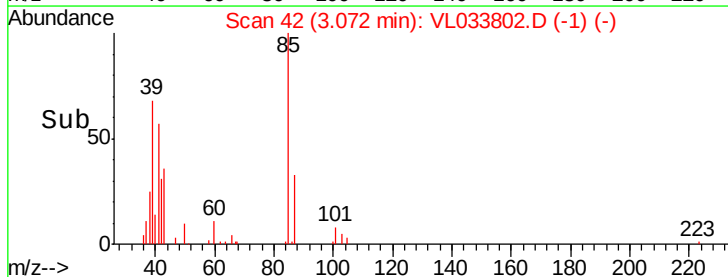
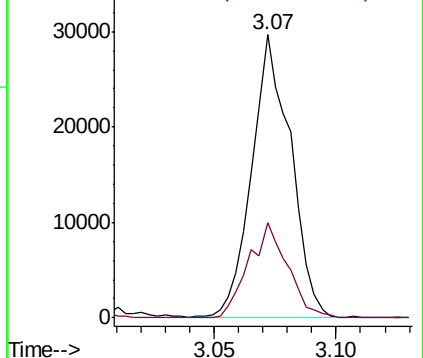
85 100

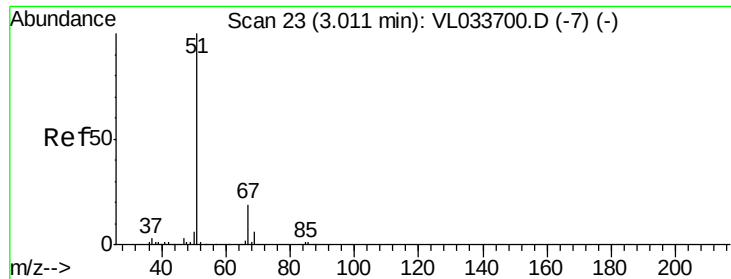
87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.740 ppbv

RT: 3.01 min Scan# 22

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

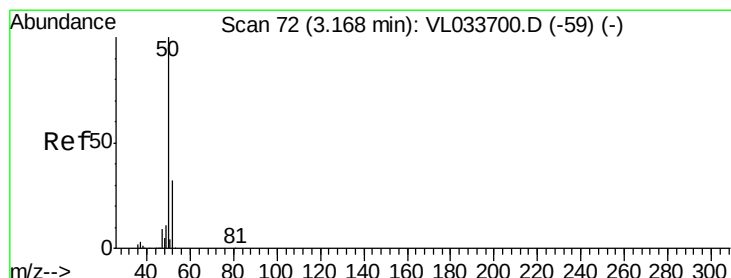
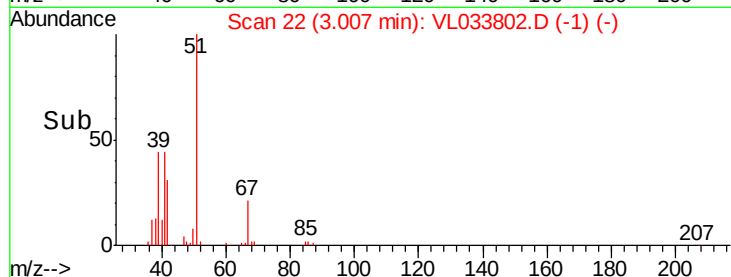
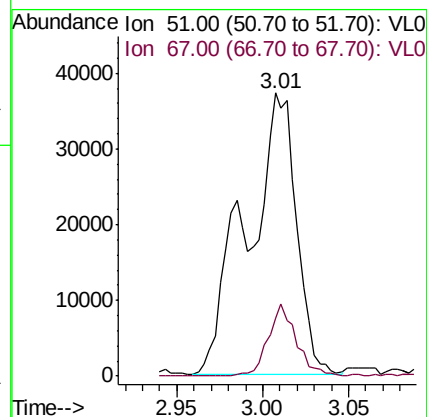
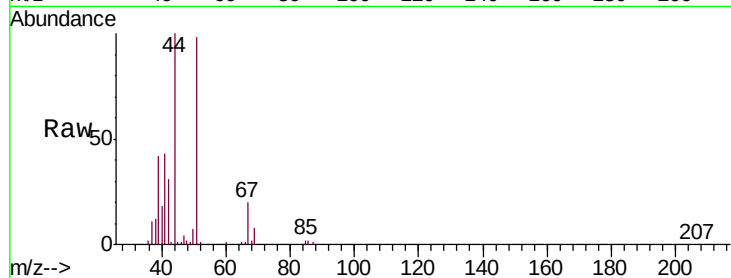
BPS1-SG-3006-55

Tgt Ion: 51 Resp: 74771

Ion Ratio Lower Upper

51 100

67 14.4 15.6 23.4#



#4

Chloromethane

Concen: 0.817 ppbv

RT: 3.17 min Scan# 71

Delta R.T. -0.00 min

Lab File: VL033802.D

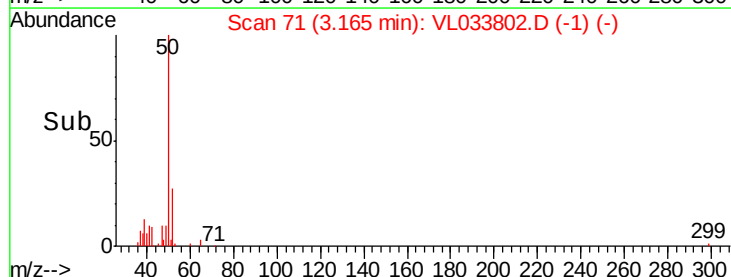
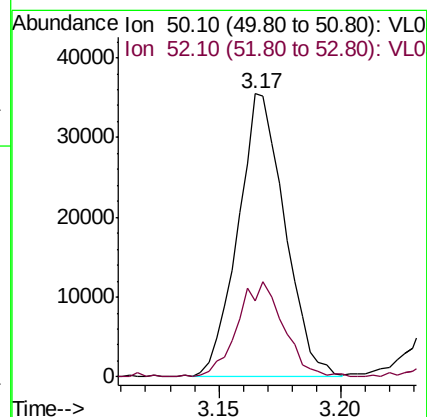
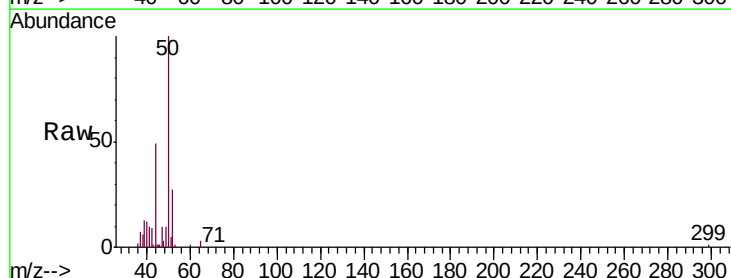
Acq: 28 May 2019 13:05

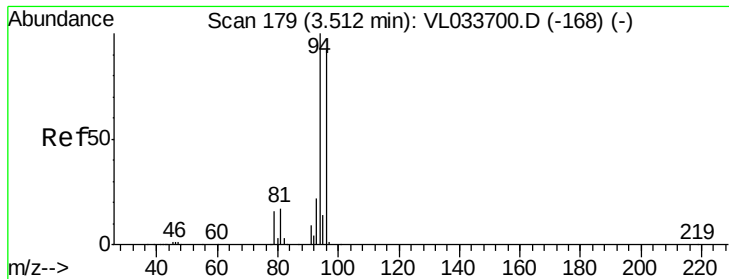
Tgt Ion: 50 Resp: 47209

Ion Ratio Lower Upper

50 100

52 26.8 25.7 38.5





#6

Bromomethane

Concen: 0.019 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

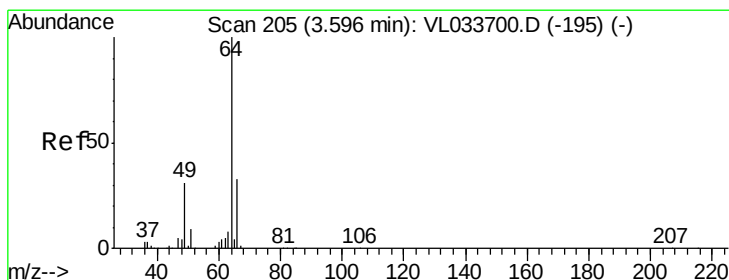
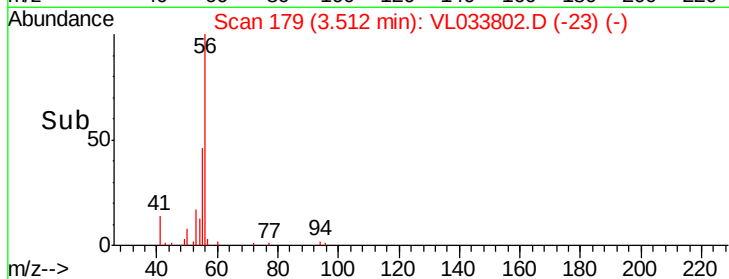
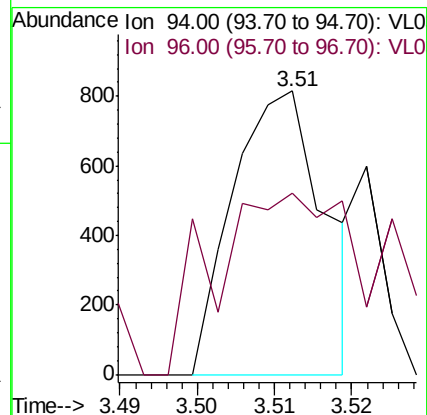
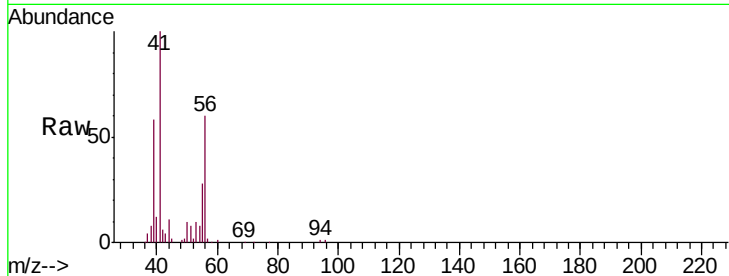
BPS1-SG-3006-55

Tgt Ion: 94 Resp: 675

Ion Ratio Lower Upper

94 100

96 9.2 73.6 110.4#



#7

Chloroethane

Concen: 0.043 ppbv

RT: 3.59 min Scan# 204

Delta R.T. -0.00 min

Lab File: VL033802.D

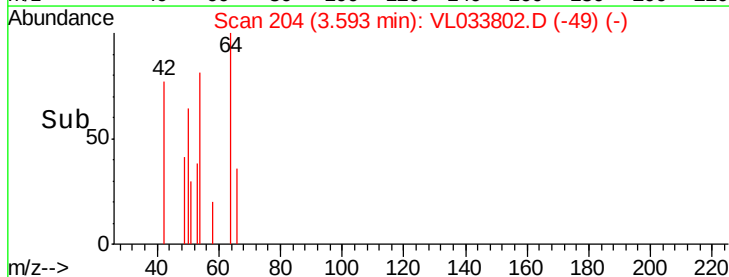
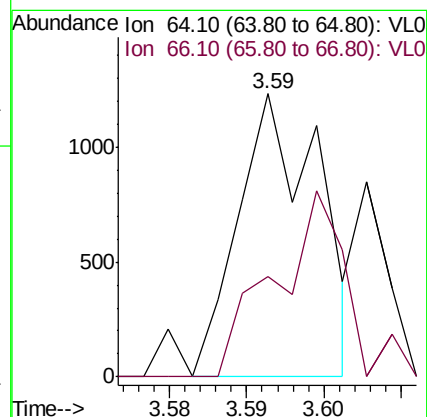
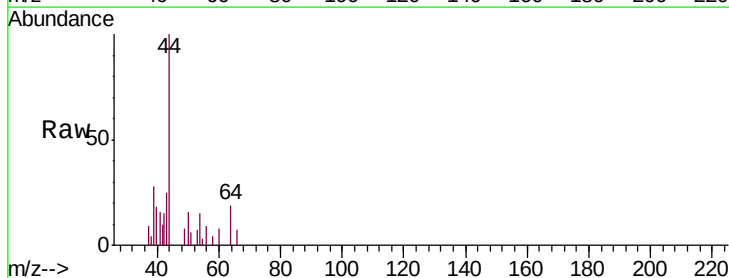
Acq: 28 May 2019 13:05

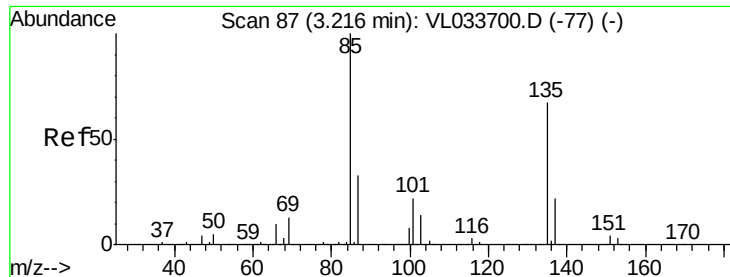
Tgt Ion: 64 Resp: 890

Ion Ratio Lower Upper

64 100

66 35.6 26.6 40.0





#8

Dichlorotetrafluoroethane

Concen: 0.012 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

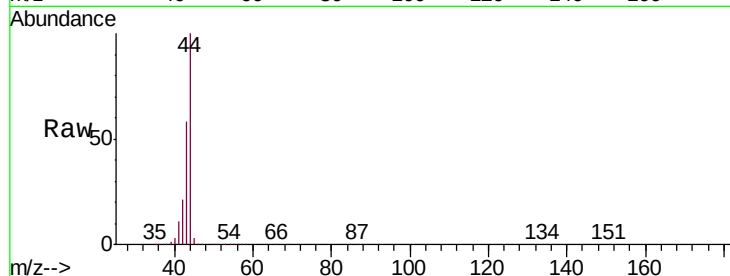
BPS1-SG-3006-55

Tgt Ion: 85 Resp: 1872

Ion Ratio Lower Upper

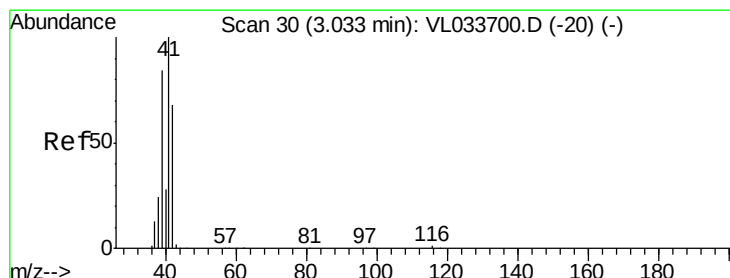
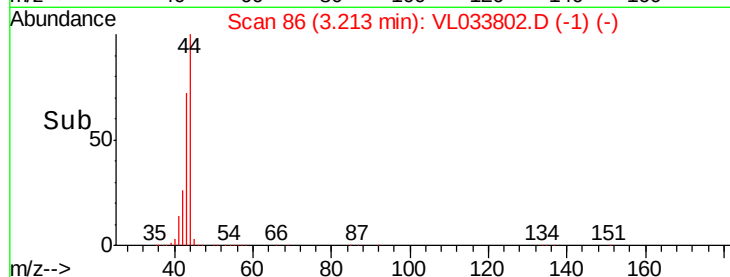
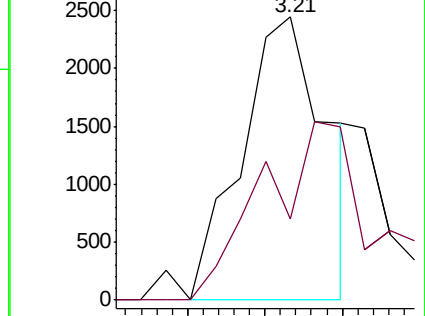
85 100

135 86.9 54.5 81.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 92.670 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033802.D

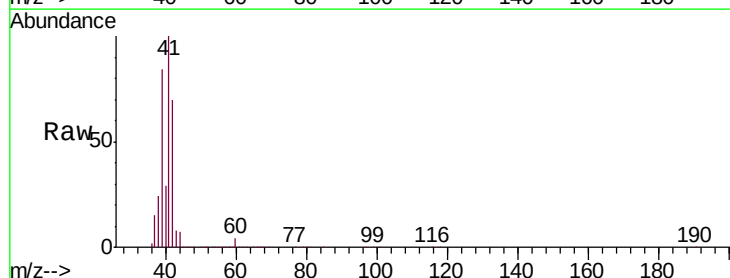
Acq: 28 May 2019 13:05

Tgt Ion: 41 Resp: 3983875

Ion Ratio Lower Upper

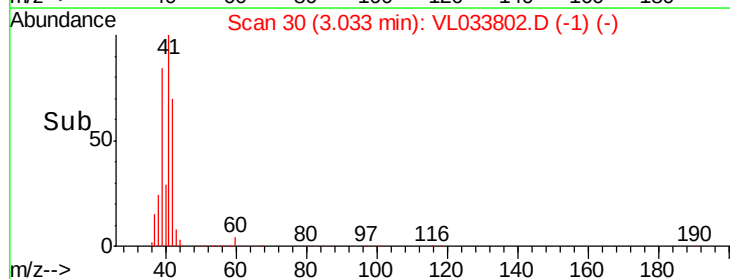
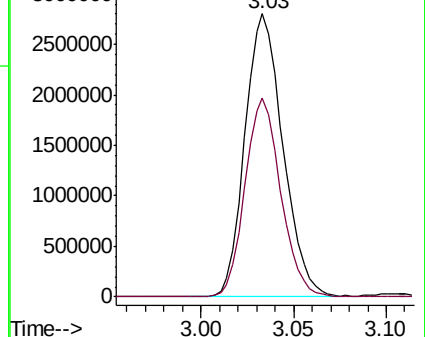
41 100

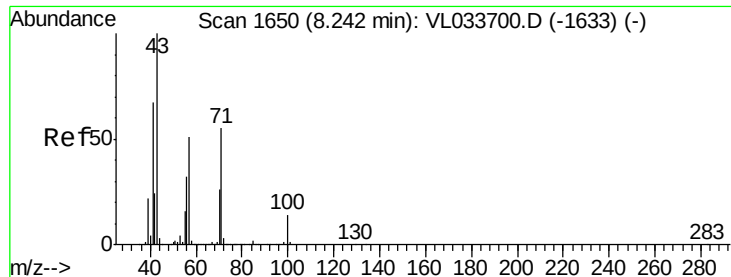
42 66.2 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

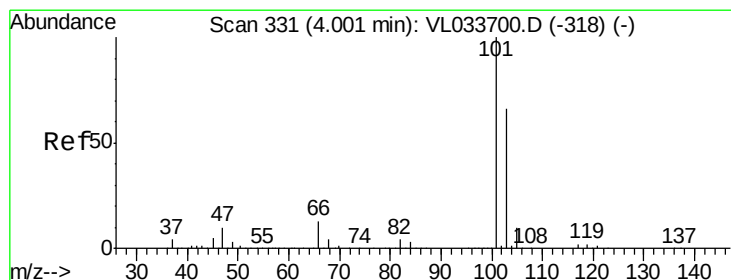
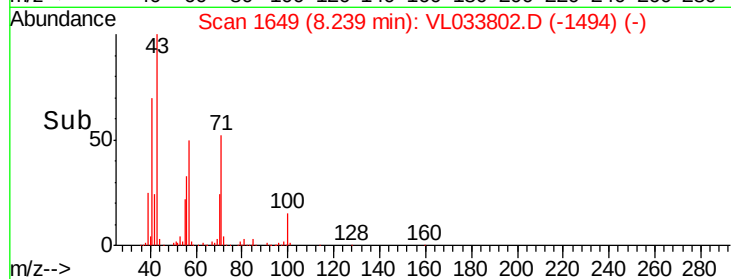
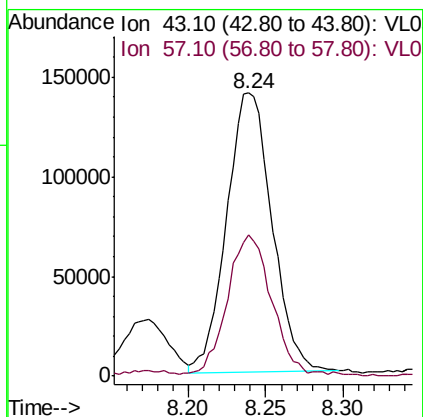
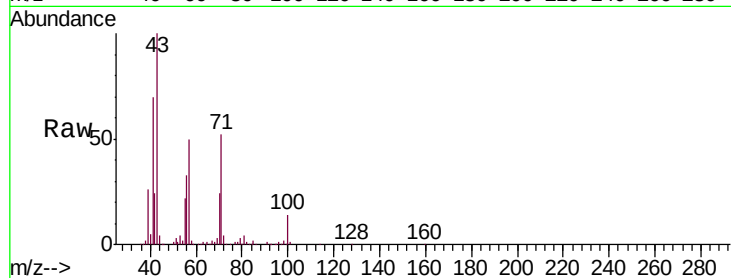




#10
 Heptane
 Concen: 2.343 ppbv
 RT: 8.24 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VL033802.D
 Acq: 28 May 2019 13:05

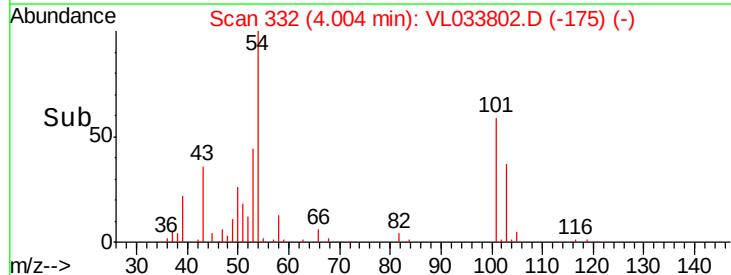
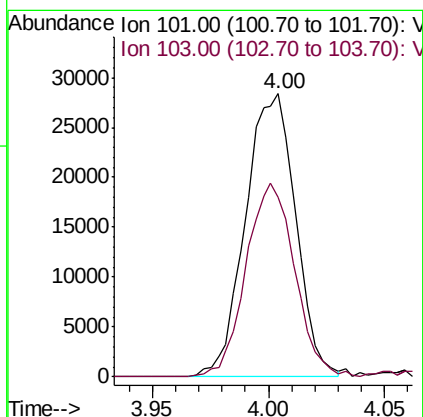
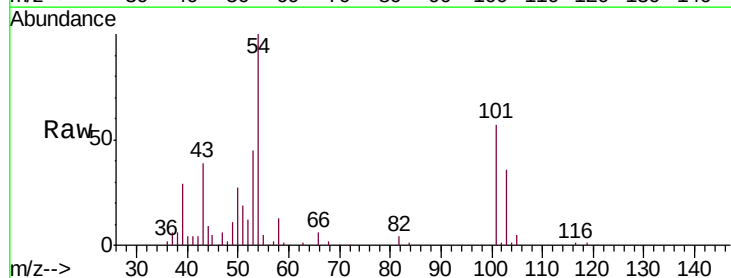
Instrument :
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 BPS1-SG-3006-55

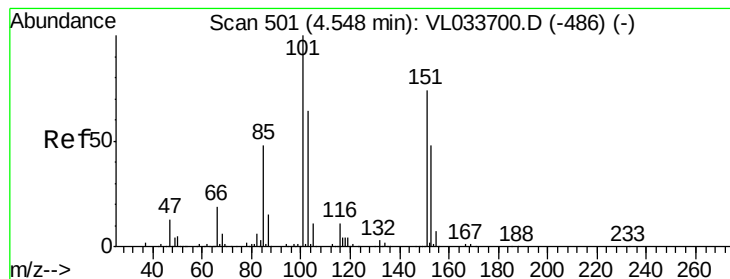
Tgt Ion: 43 Resp: 285173
 Ion Ratio Lower Upper
 43 100
 57 50.1 41.4 62.0



#11
 Trichlorofluoromethane
 Concen: 0.241 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033802.D
 Acq: 28 May 2019 13:05

Tgt Ion: 101 Resp: 42727
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.230 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

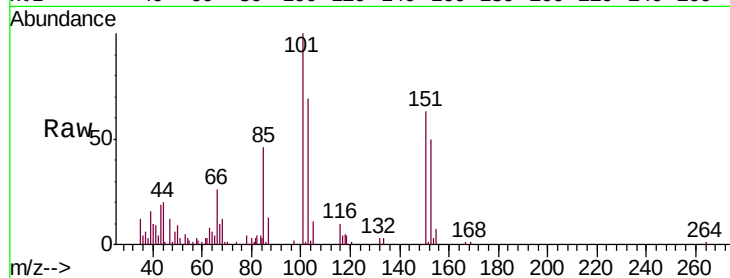
BPS1-SG-3006-55

Tgt Ion: 101 Resp: 28461

Ion Ratio Lower Upper

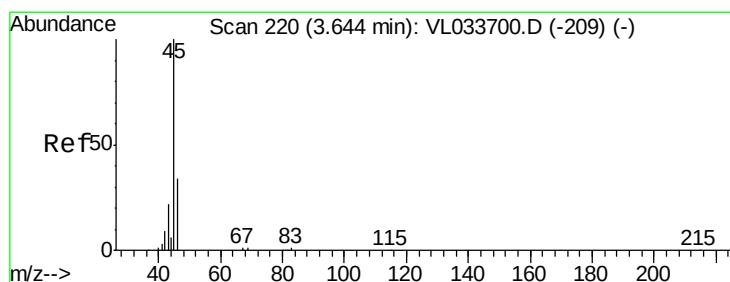
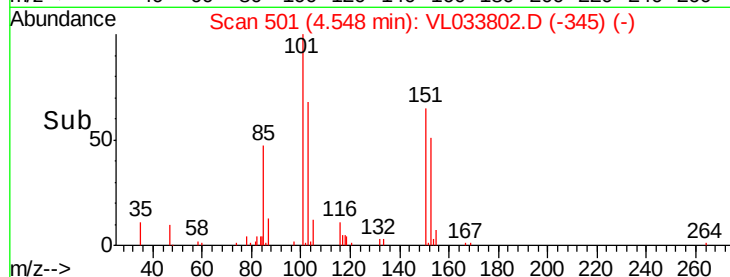
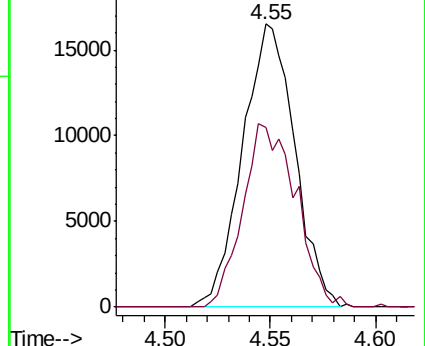
101 100

151 66.0 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: 37.654 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033802.D

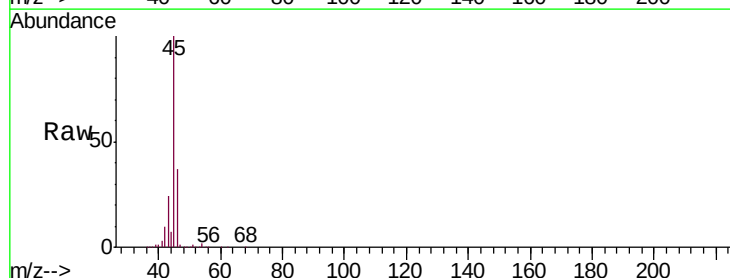
Acq: 28 May 2019 13:05

Tgt Ion: 45 Resp: 523198

Ion Ratio Lower Upper

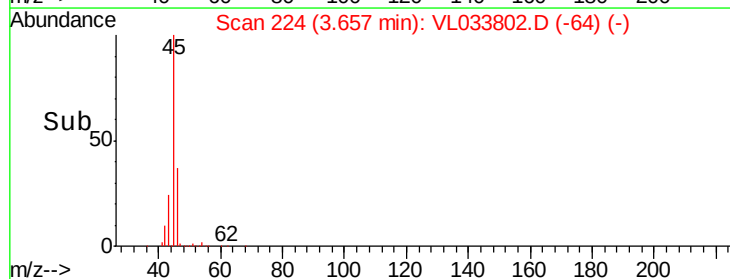
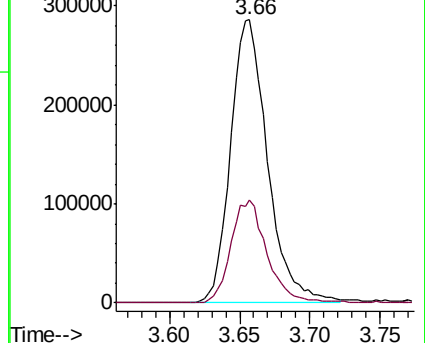
45 100

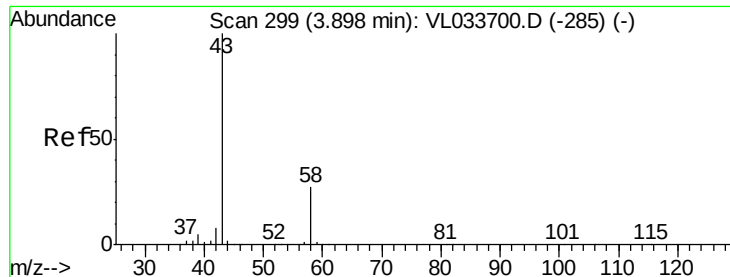
46 36.2 14.8 59.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 119.949 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

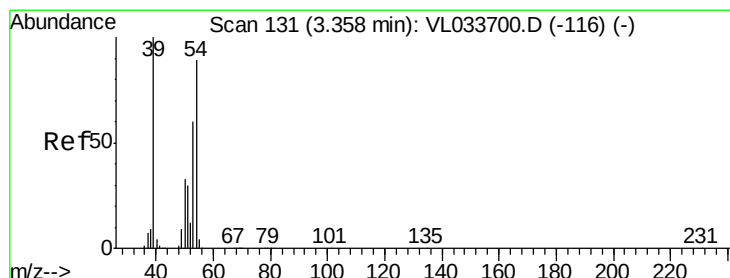
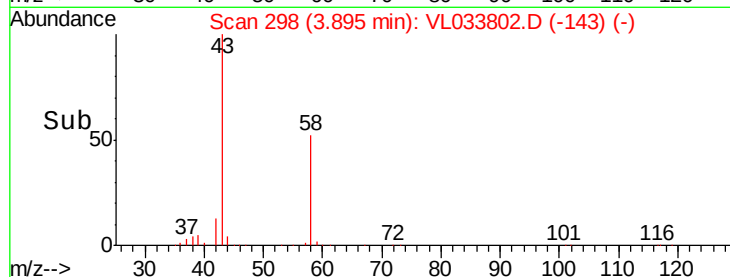
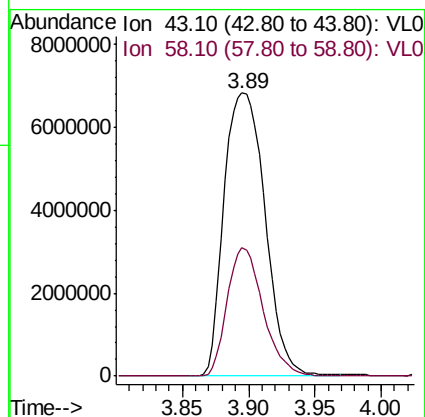
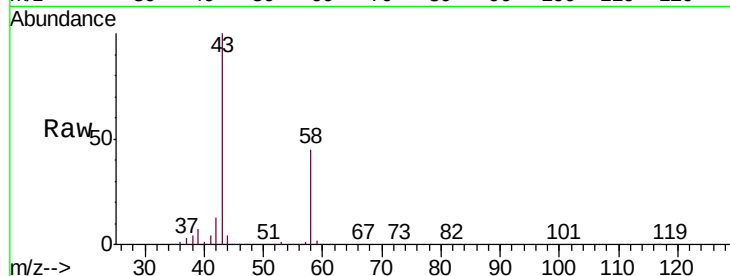
BPS1-SG-3006-55

Tgt Ion: 43 Resp:14684732

Ion Ratio Lower Upper

43 100

58 39.7 21.3 31.9#



#16

1,3-Butadiene

Concen: 57.380 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.02 min

Lab File: VL033802.D

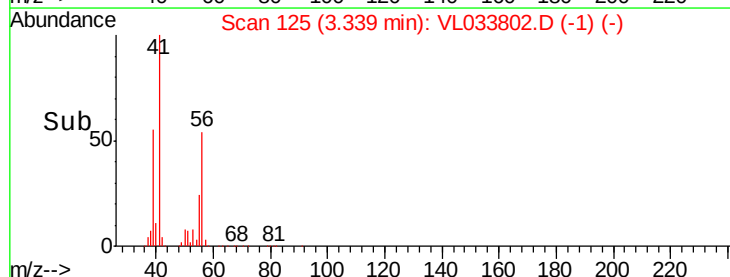
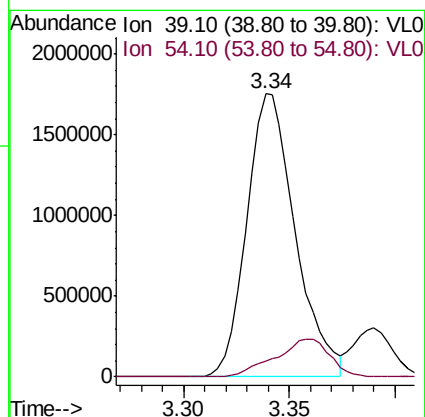
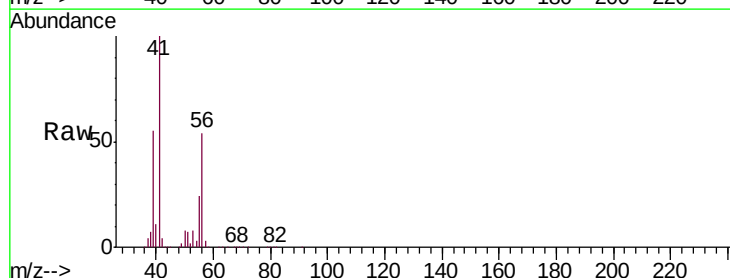
Acq: 28 May 2019 13:05

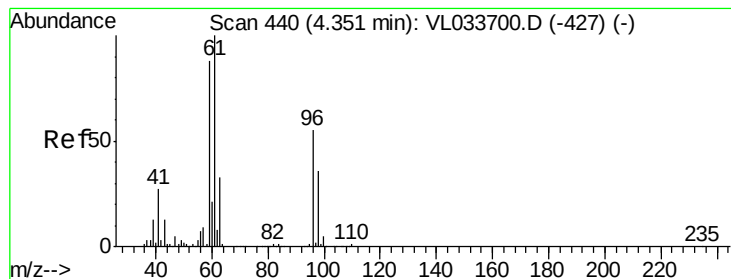
Tgt Ion: 39 Resp: 2797376

Ion Ratio Lower Upper

39 100

54 15.3 69.0 103.6#





#17

tert-Butyl alcohol

Concen: 4.627 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

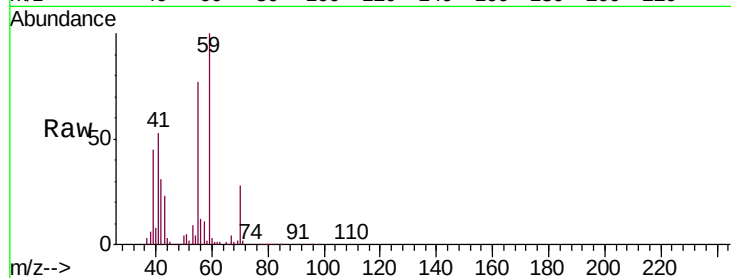
BPS1-SG-3006-55

Tgt Ion: 59 Resp: 458051

Ion Ratio Lower Upper

59 100

57 11.6 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.36

250000

200000

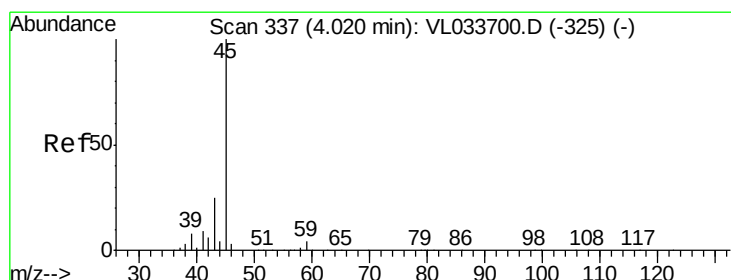
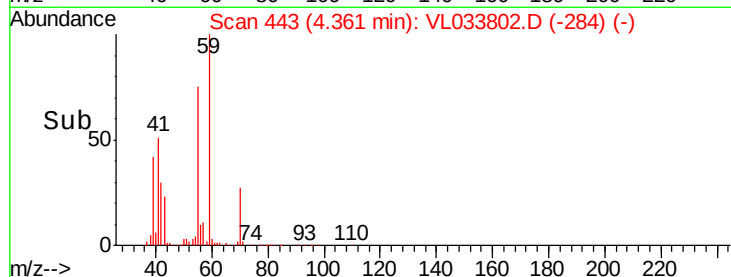
150000

100000

50000

0

Time-->



#19

Isopropyl Alcohol

Concen: 1.697 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033802.D

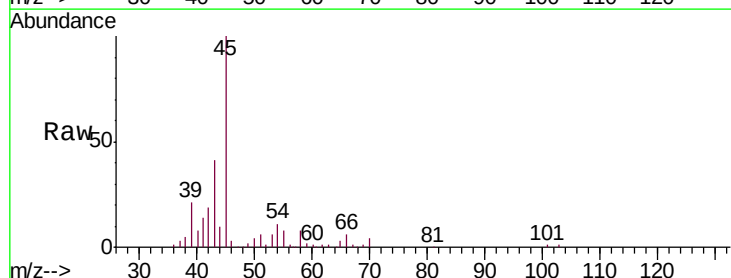
Acq: 28 May 2019 13:05

Tgt Ion: 45 Resp: 133970

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

80000

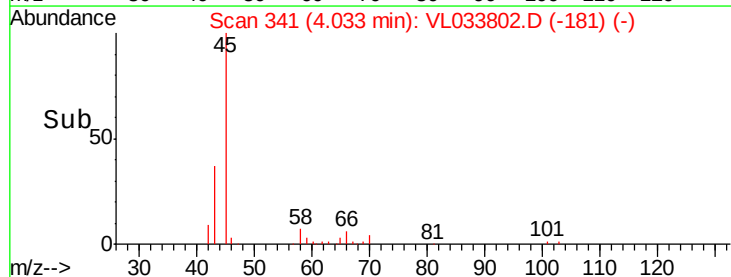
60000

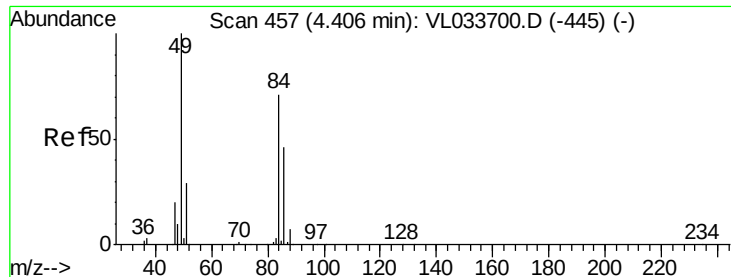
40000

20000

0

Time-->

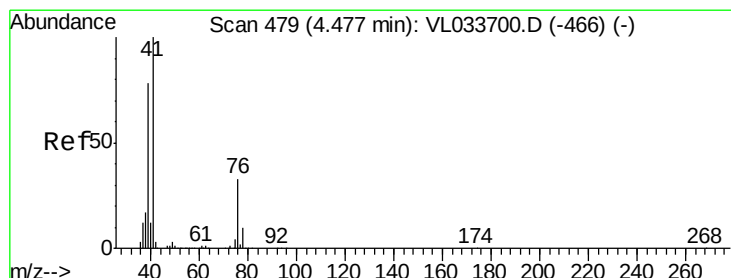
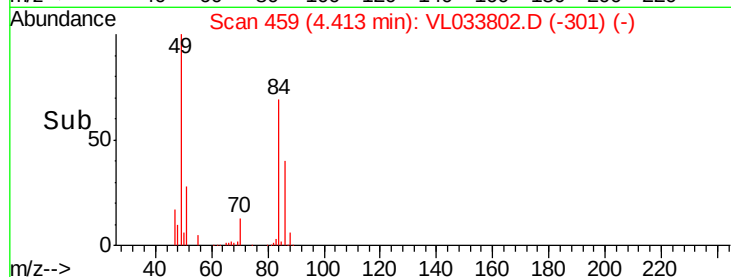
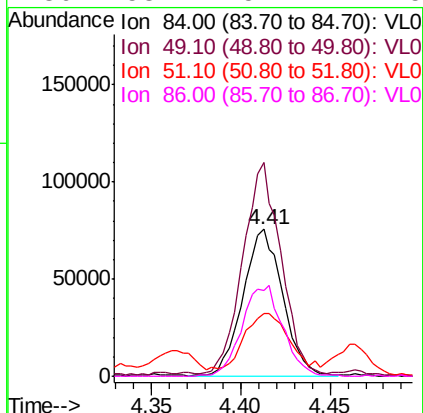
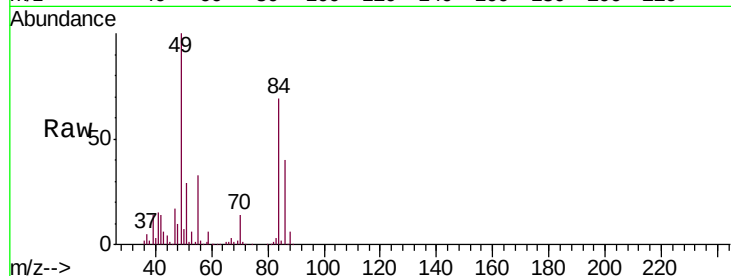




#20
Methylene Chloride
Concen: 2.483 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

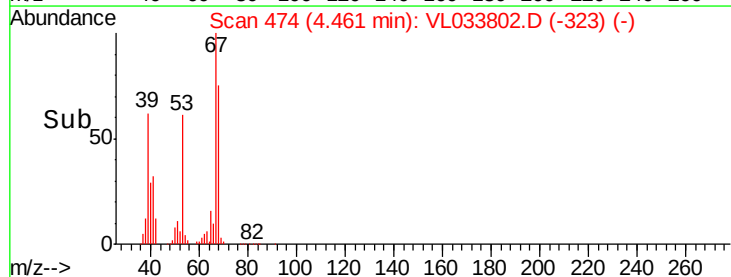
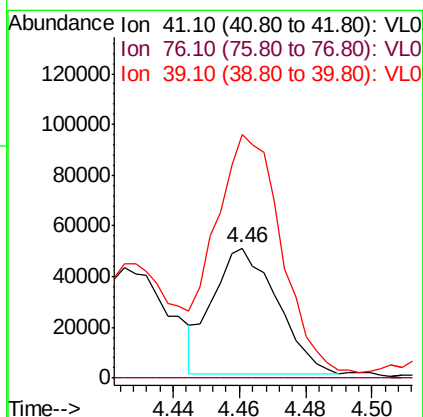
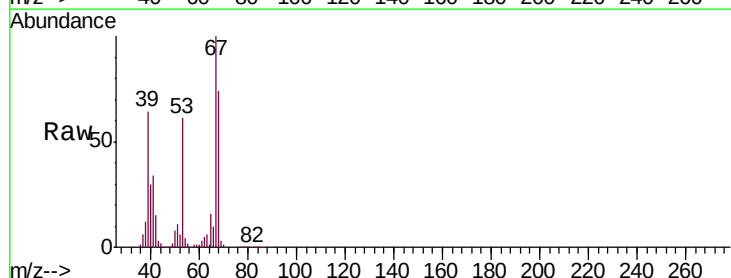
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

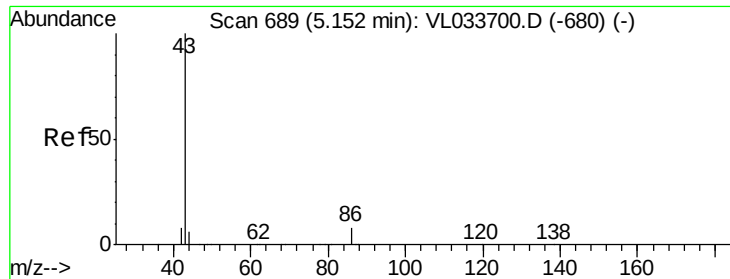
Tgt Ion: 84 Resp: 117021
Ion Ratio Lower Upper
84 100
49 143.5 112.8 169.2
51 27.3 33.4 50.0#
86 58.4 51.7 77.5



#21
Allyl Chloride
Concen: 0.869 ppbv
RT: 4.46 min Scan# 474
Delta R.T. -0.02 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 41 Resp: 66393
Ion Ratio Lower Upper
41 100
76 0.0 25.9 38.9#
39 291.2 64.6 97.0#





#23

Vinyl Acetate

Concen: 1.440 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

Tgt Ion: 43 Resp: 232375

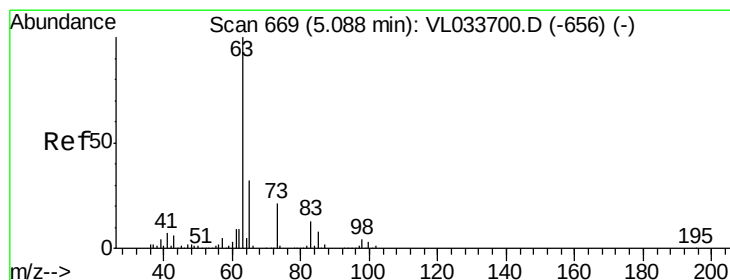
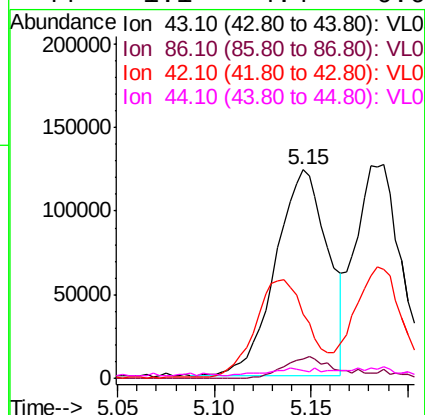
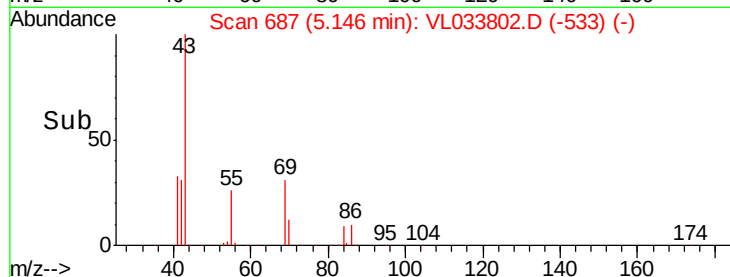
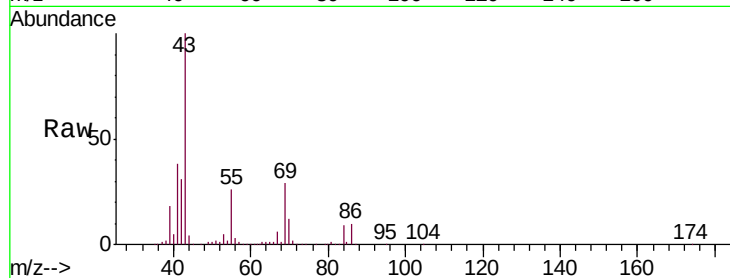
Ion Ratio Lower Upper

43 100

86 9.6 6.0 9.0#

42 31.0 7.5 11.3#

44 1.1 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 0.027 ppbv

RT: 5.13 min Scan# 683

Delta R.T. 0.05 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

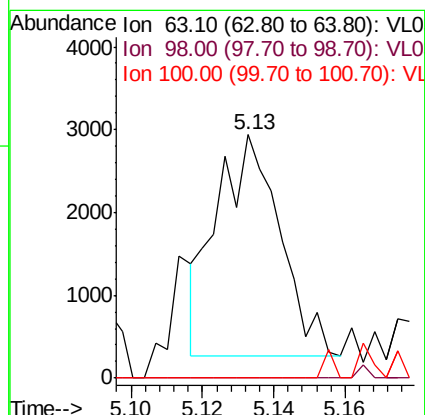
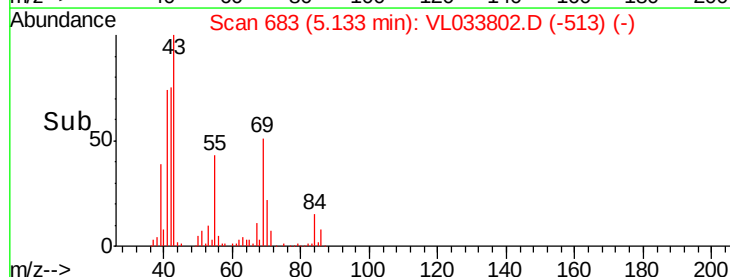
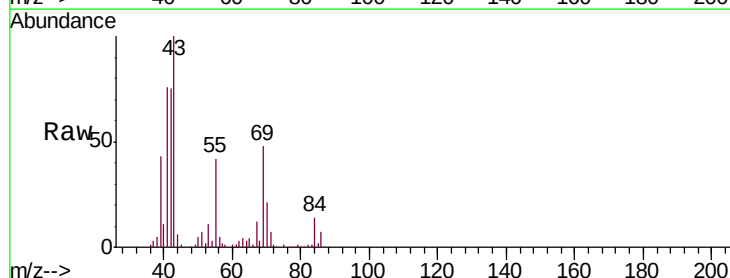
Tgt Ion: 63 Resp: 3267

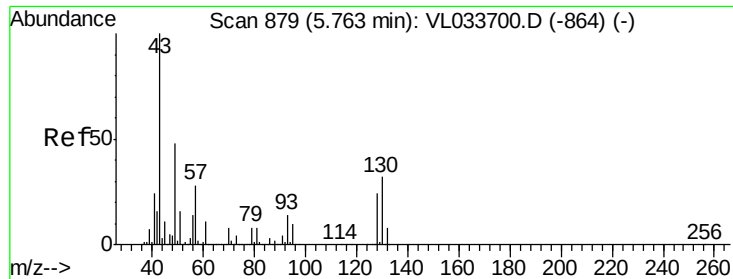
Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

100 0.0 1.4 4.2#

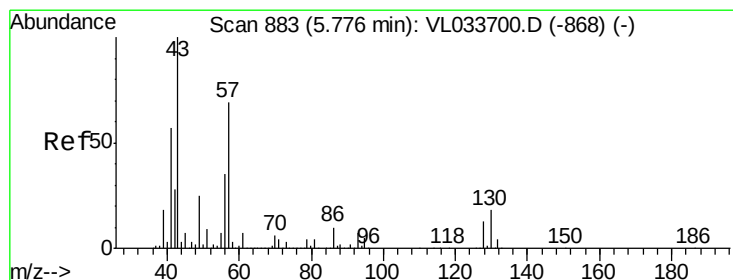
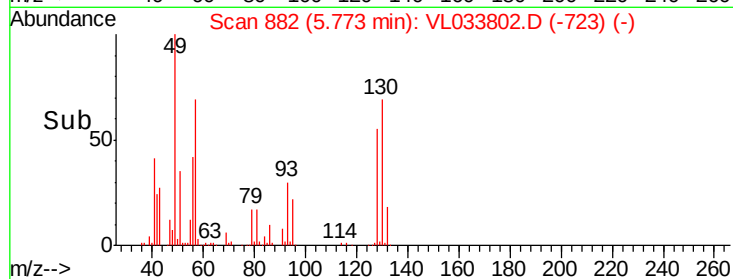
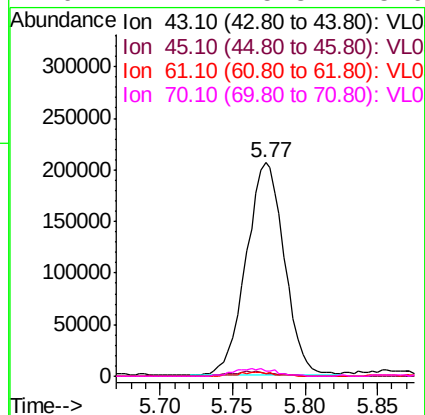
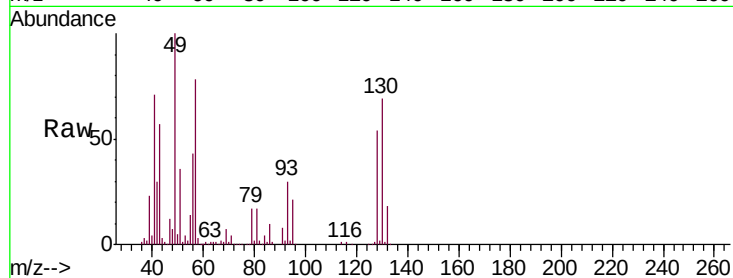




#25
Ethyl Acetate
Concen: 1.754 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

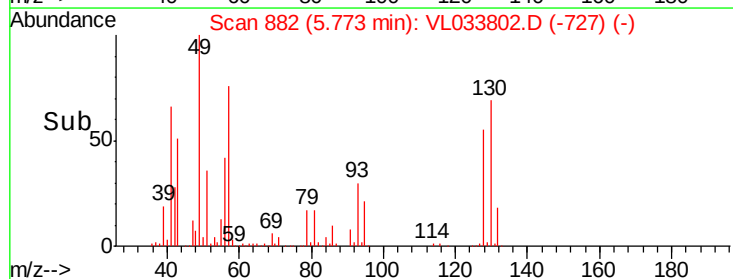
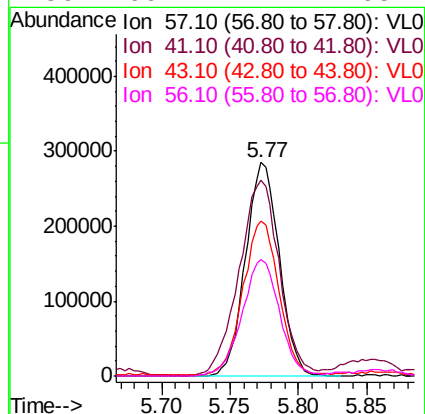
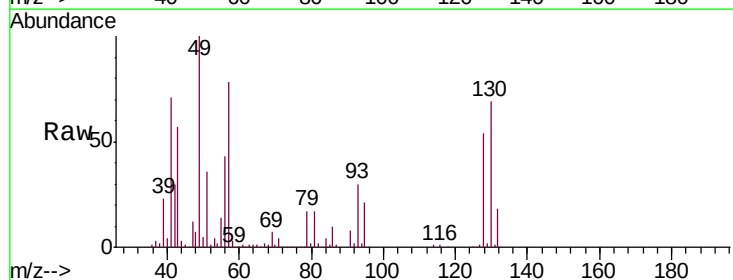
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

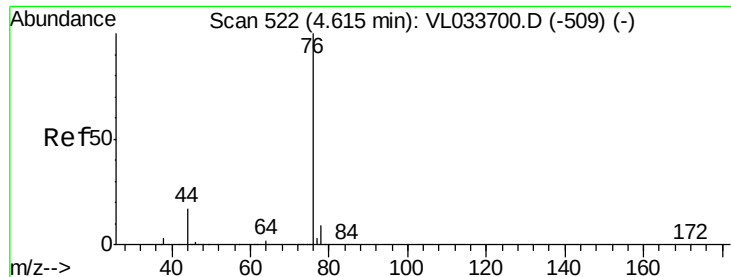
Tgt Ion:	43	Resp:	377248
Ion	Ratio	Lower	Upper
43	100		
45	2.3	7.9	11.9#
61	2.0	7.7	11.5#
70	4.2	5.8	8.6#



#26
Hexane
Concen: 5.294 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion:	57	Resp:	489434
Ion	Ratio	Lower	Upper
57	100		
41	109.4	69.8	104.6#
43	77.5	181.8	272.6#
56	60.4	42.1	63.1





#27

Carbon Disulfide

Concen: 2.009 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

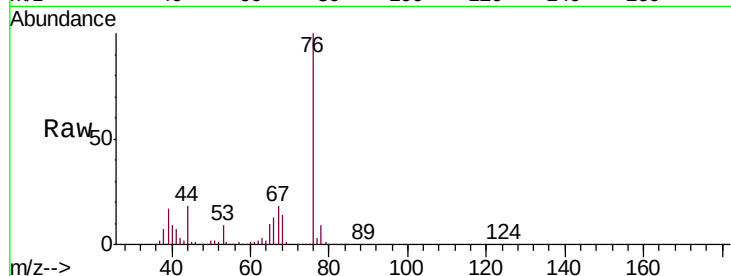
Tgt Ion: 76 Resp: 254853

Ion Ratio Lower Upper

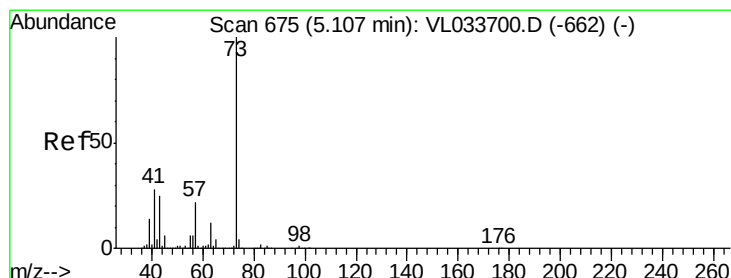
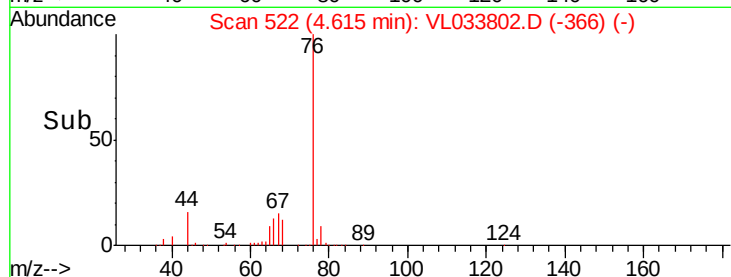
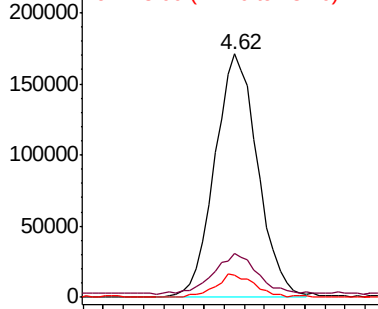
76 100

44 16.4 13.8 20.8

78 9.1 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: 0.013 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL033802.D

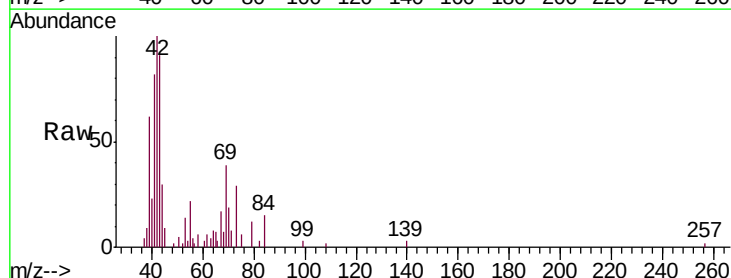
Acq: 28 May 2019 13:05

Tgt Ion: 73 Resp: 1887

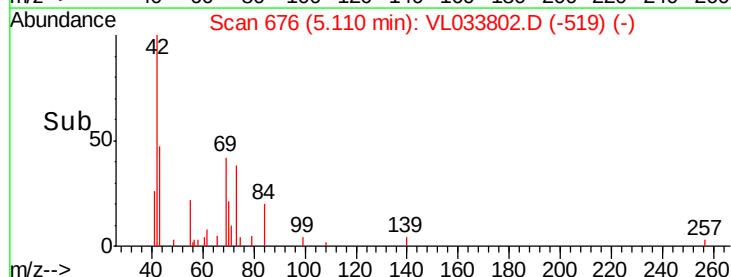
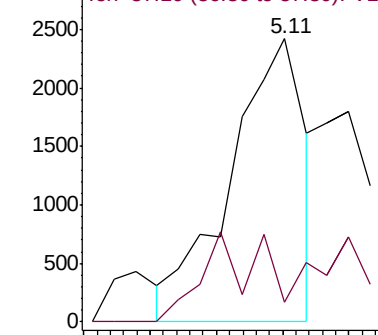
Ion Ratio Lower Upper

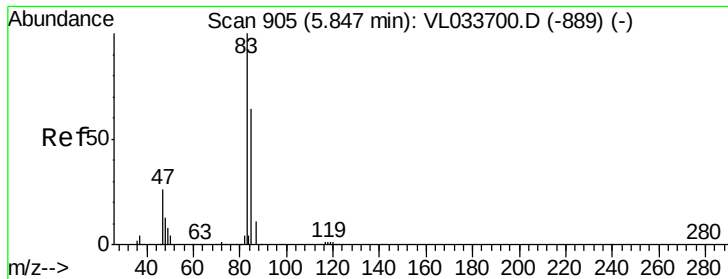
73 100

57 0.0 17.4 26.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

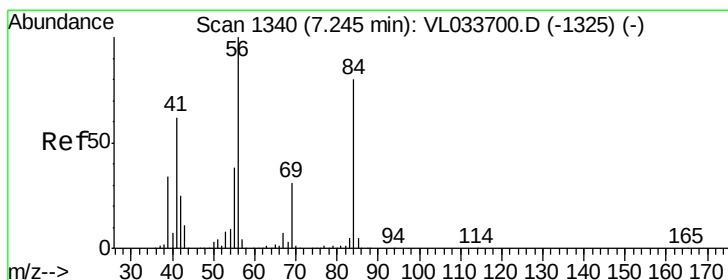
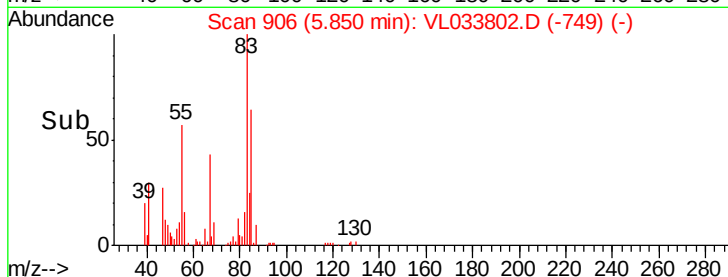
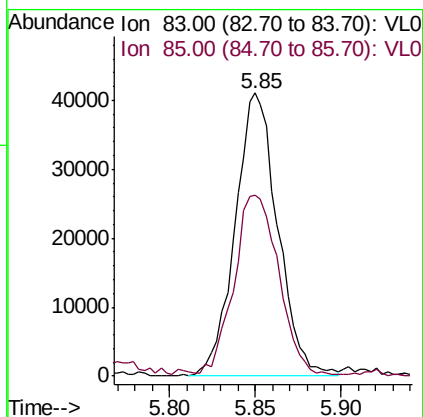
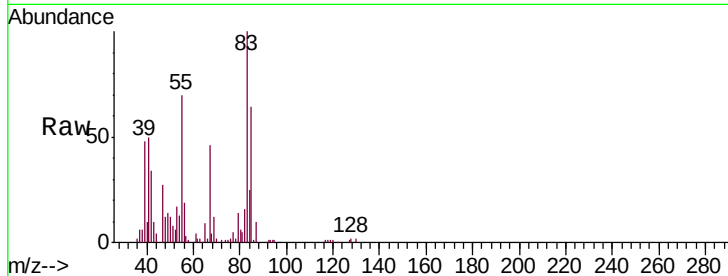




#29
Chloroform
Concen: 0.415 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

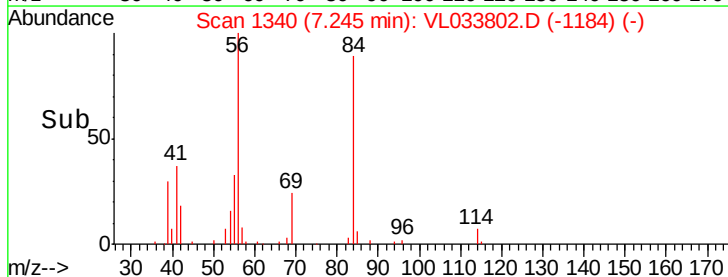
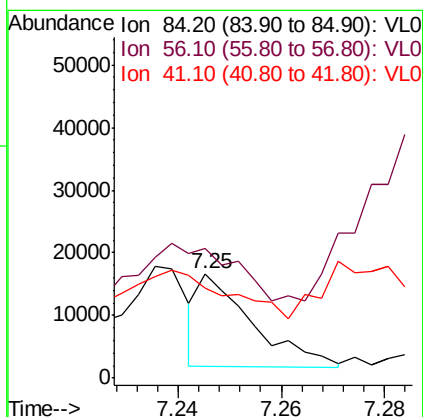
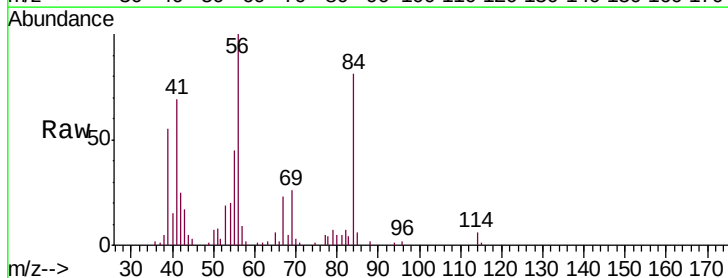
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

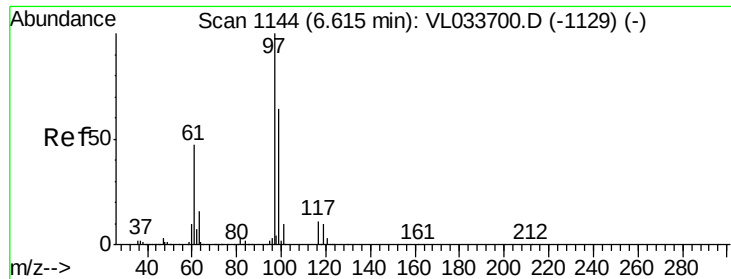
Tgt Ion: 83 Resp: 70692
Ion Ratio Lower Upper
83 100
85 63.3 51.5 77.3



#30
Cyclohexane
Concen: 0.139 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 84 Resp: 10810
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#





#32

1,1,1-Trichloroethane

Concen: 0.011 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

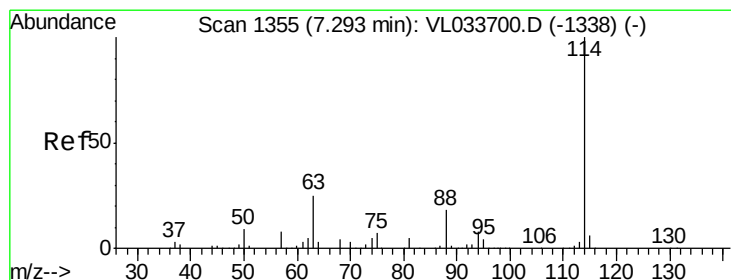
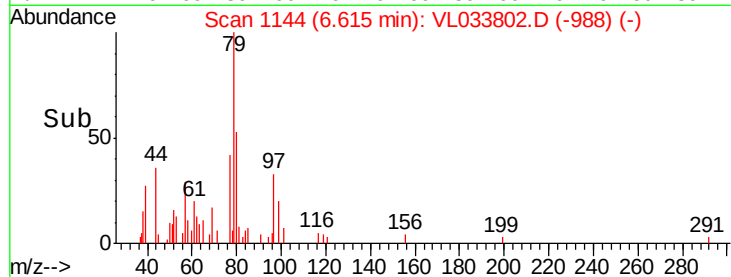
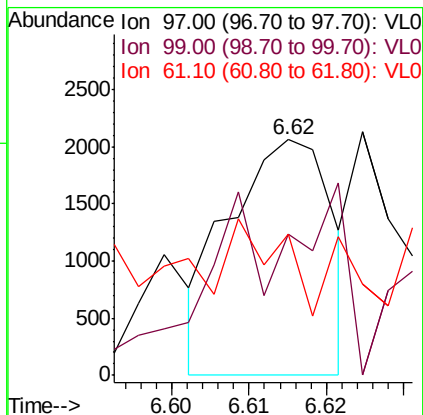
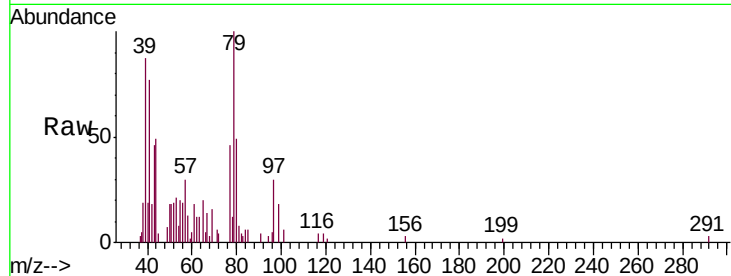
Tgt Ion: 97 Resp: 1914

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

61 0.0 37.8 56.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

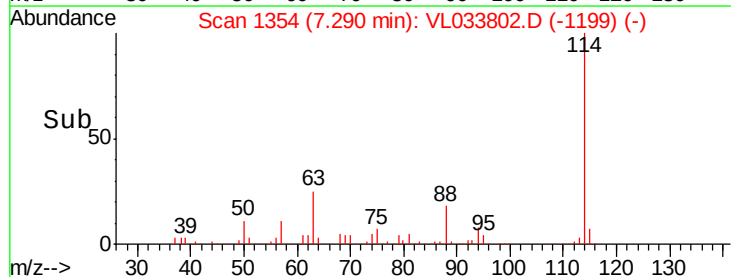
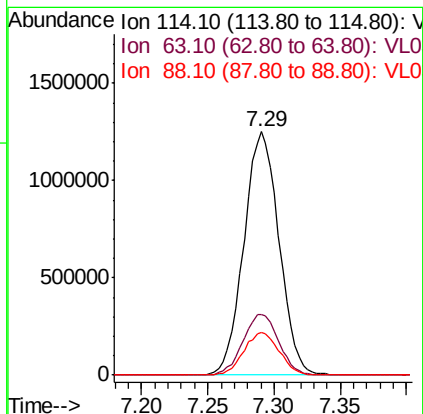
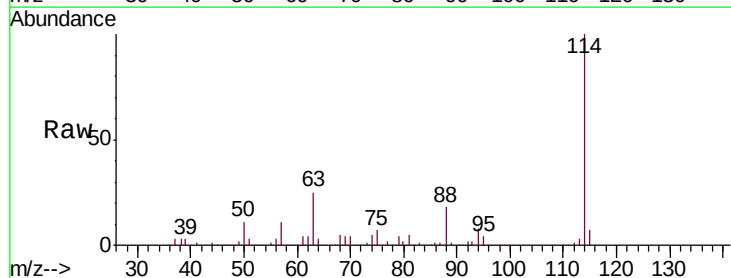
Tgt Ion: 114 Resp: 2306948

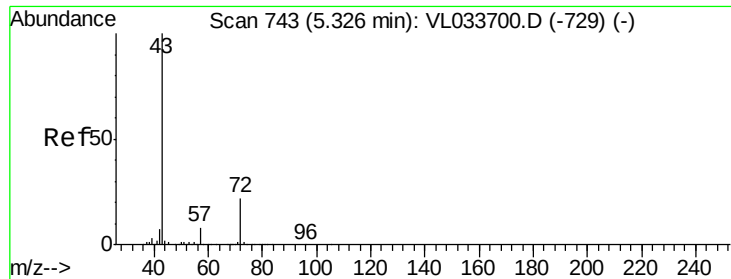
Ion Ratio Lower Upper

114 100

63 25.5 20.9 31.3

88 17.8 14.3 21.5

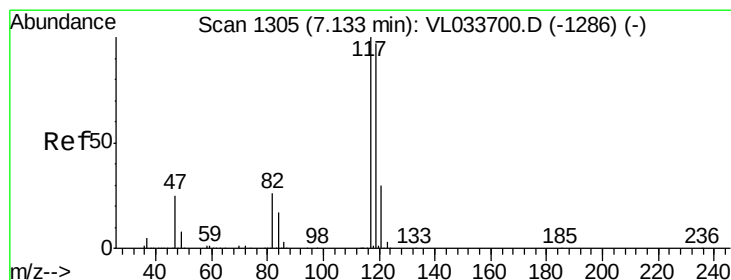
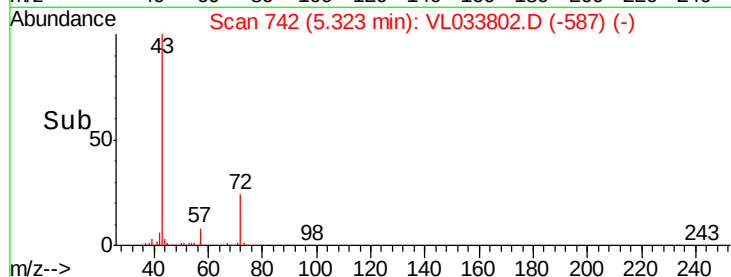
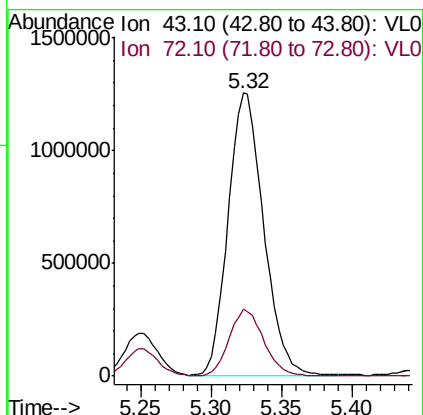
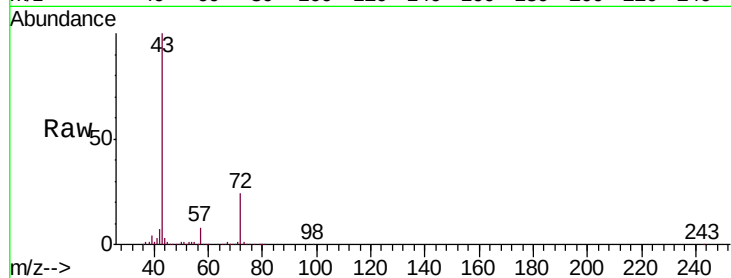




#34
2-Butanone
Concen: 15.387 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

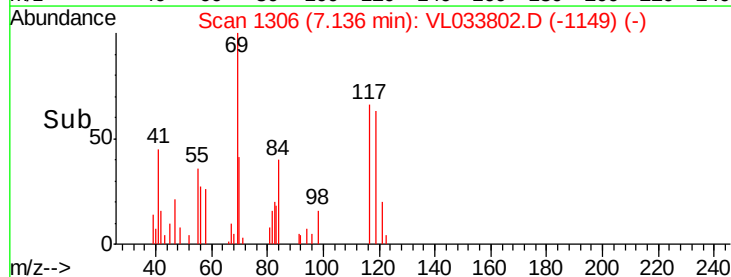
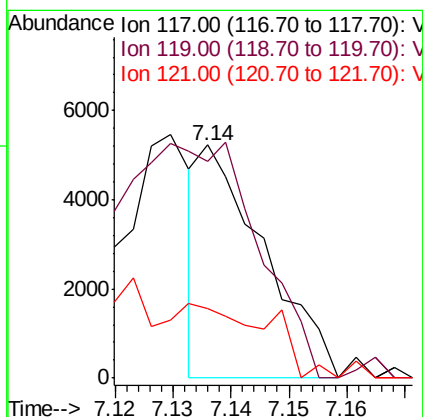
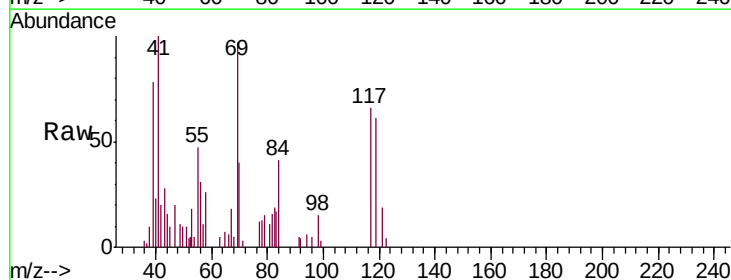
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

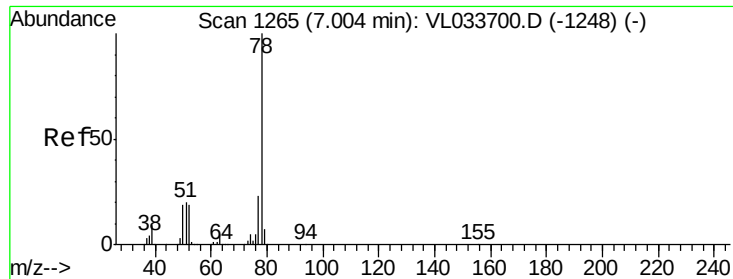
Tgt Ion: 43 Resp: 2200238
Ion Ratio Lower Upper
43 100
72 23.1 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.022 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 117 Resp: 4014
Ion Ratio Lower Upper
117 100
119 92.9 77.2 115.8
121 29.6 24.1 36.1

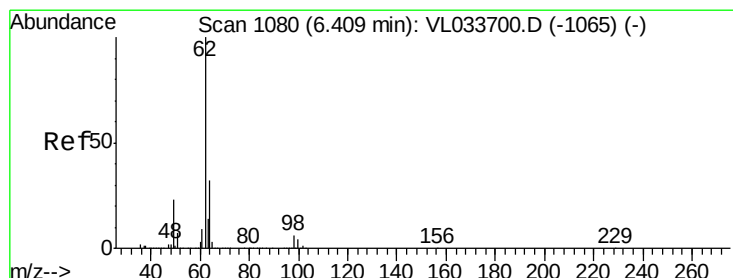
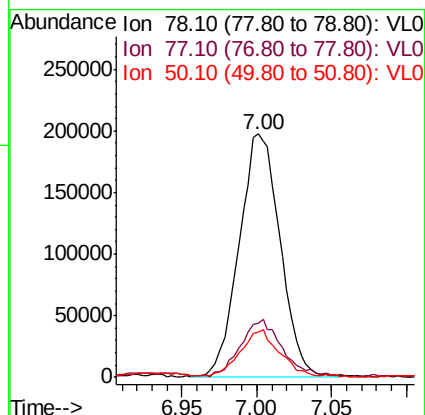
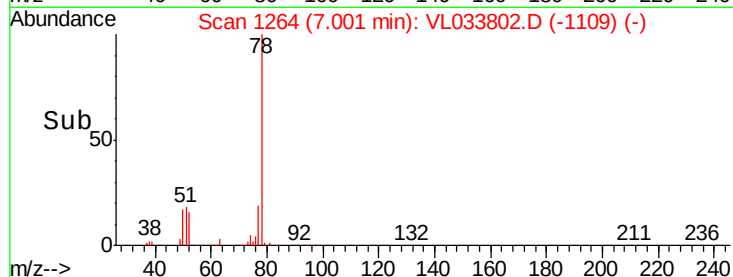
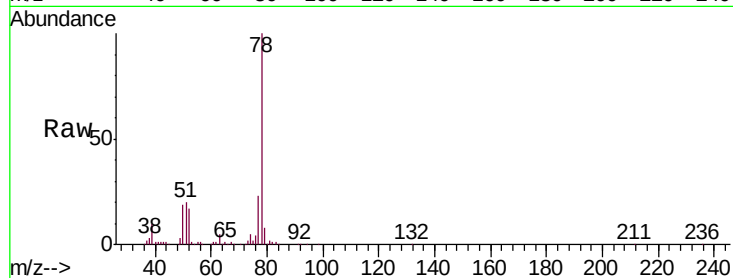




#36
Benzene
Concen: 1.777 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

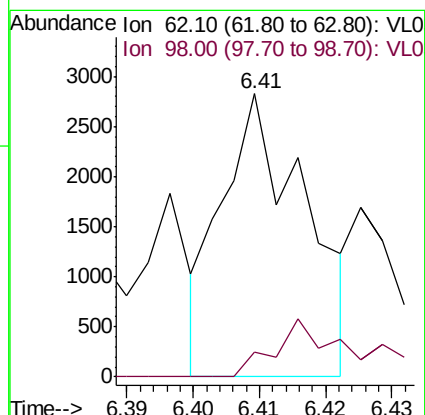
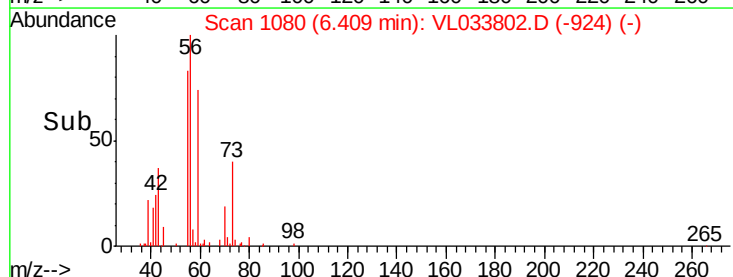
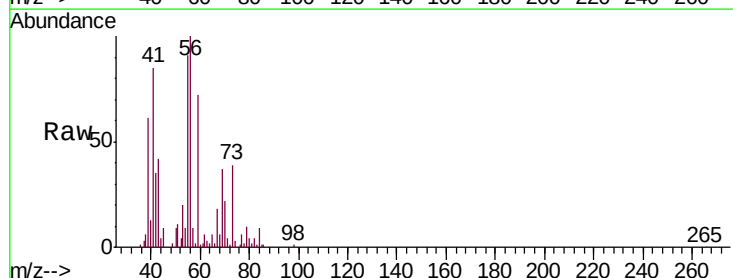
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

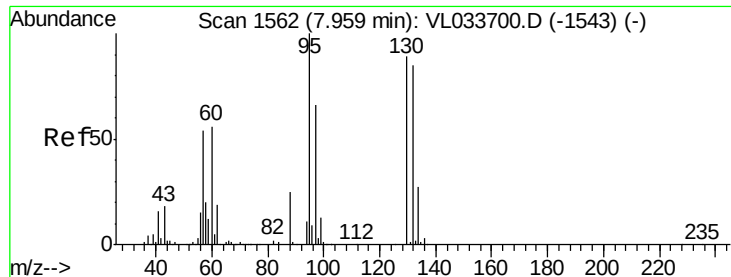
Tgt Ion: 78 Resp: 372867
Ion Ratio Lower Upper
78 100
77 21.7 18.4 27.6
50 18.4 15.5 23.3



#37
1,2-Dichloroethane
Concen: 0.018 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 62 Resp: 2479
Ion Ratio Lower Upper
62 100
98 20.3 4.5 6.7#





#38

Trichloroethene

Concen: 0.036 ppbv

RT: 7.96 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

Tgt Ion:130 Resp: 2815

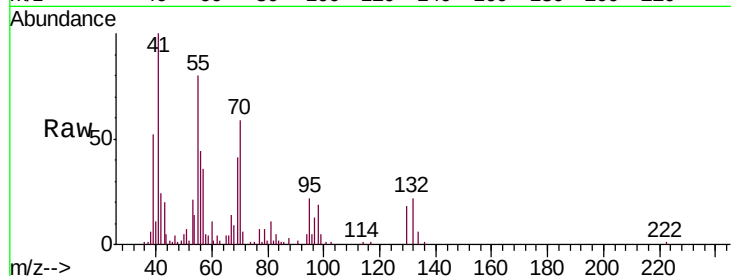
Ion Ratio Lower Upper

130 100

95 26.9 90.2 135.4#

132 82.2 76.4 114.6

97 35.3 59.8 89.6#

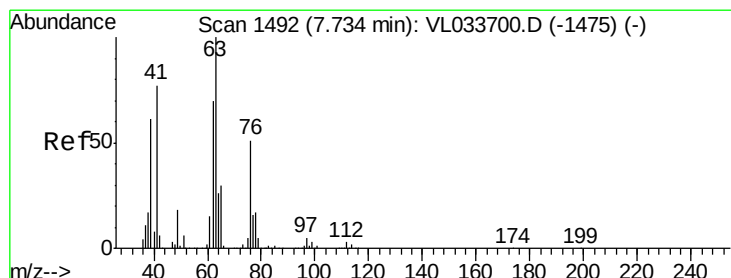
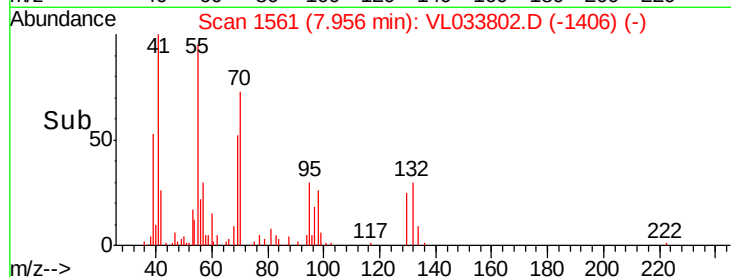
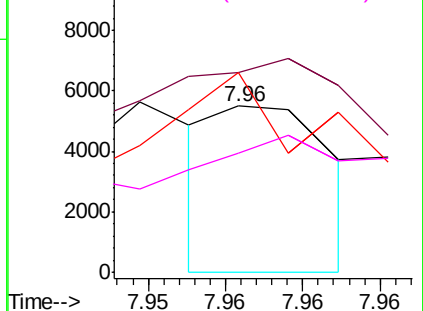


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.432 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.45 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

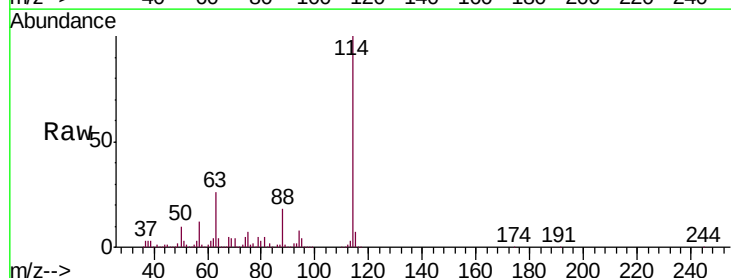
Tgt Ion: 63 Resp: 581461

Ion Ratio Lower Upper

63 100

41 0.3 61.5 92.3#

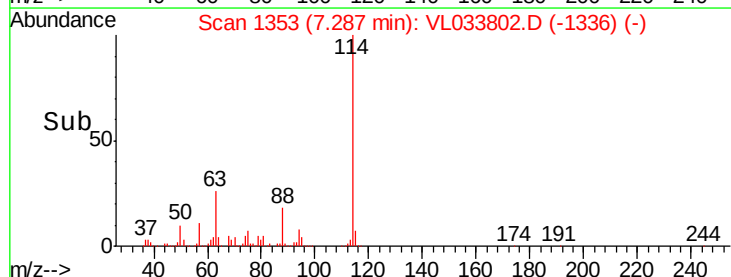
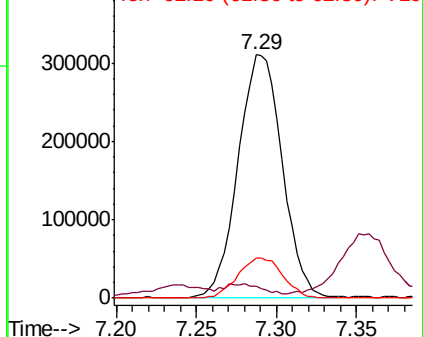
62 16.5 56.2 84.4#

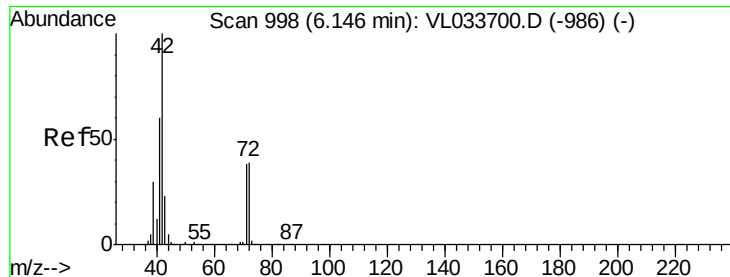


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.106 ppbv

RT: 6.15 min Scan# 998

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

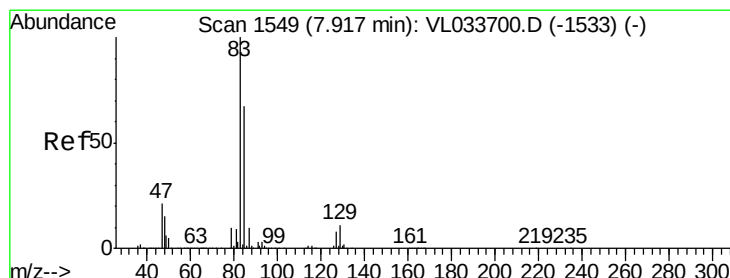
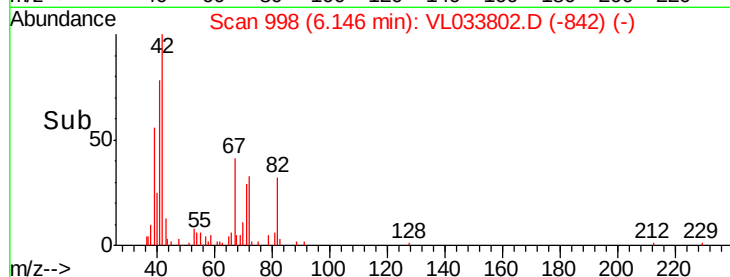
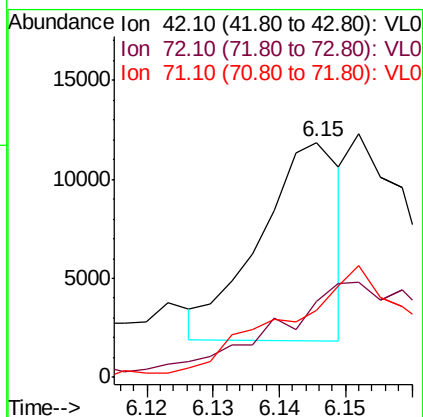
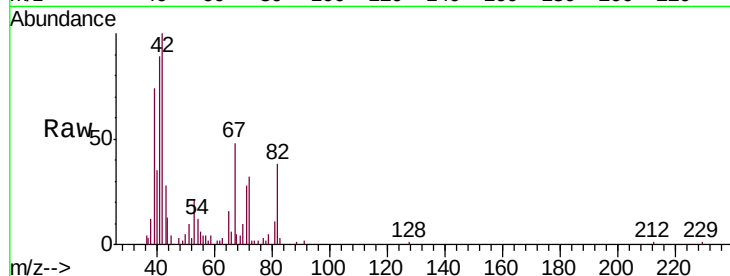
Tgt Ion: 42 Resp: 8471

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

71 0.0 30.4 45.6#



#42

Bromodichloromethane

Concen: 0.032 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

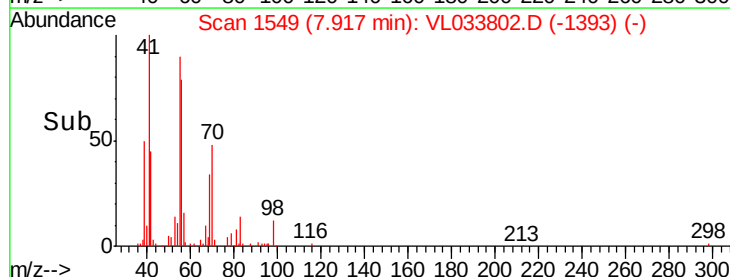
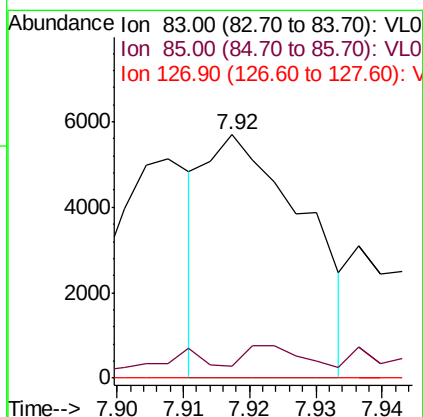
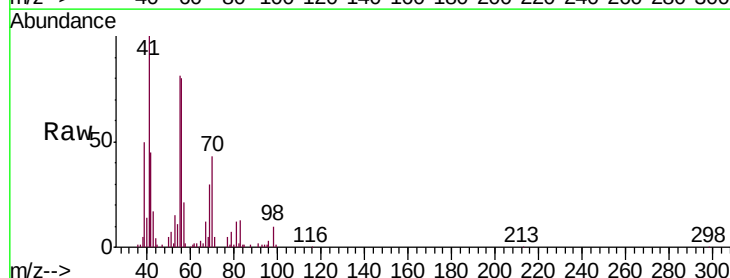
Tgt Ion: 83 Resp: 5913

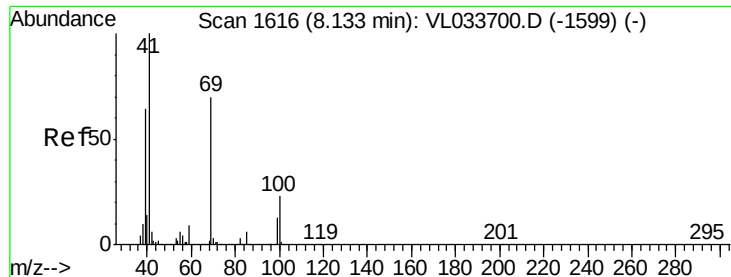
Ion Ratio Lower Upper

83 100

85 0.7 53.3 79.9#

127 0.0 6.5 9.7#

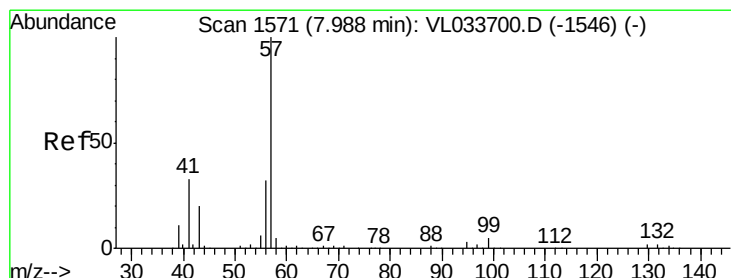
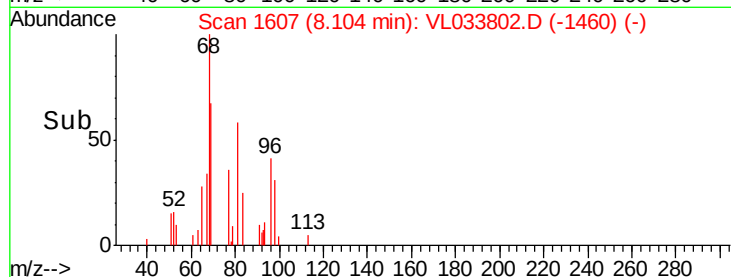
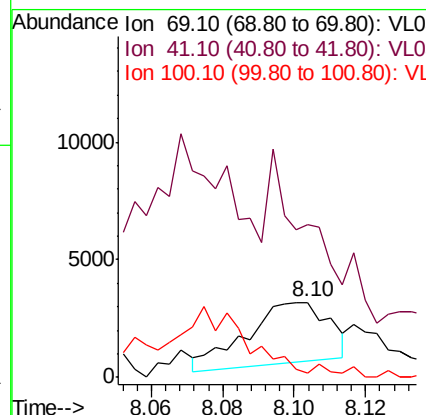
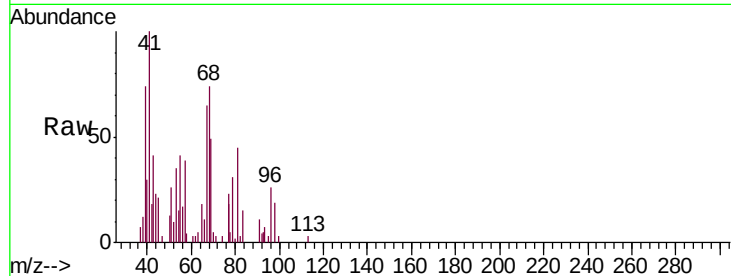




#43
Methyl Methacrylate
Concen: 0.054 ppbv
RT: 8.10 min Scan# 1607
Delta R.T. -0.03 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

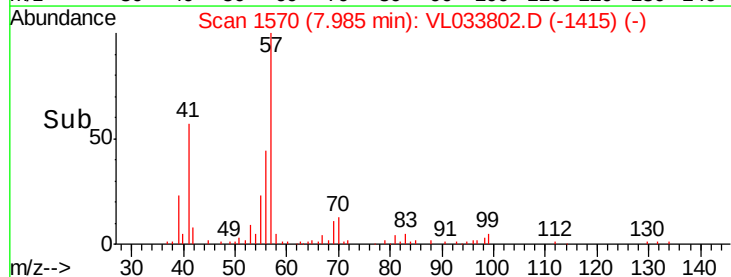
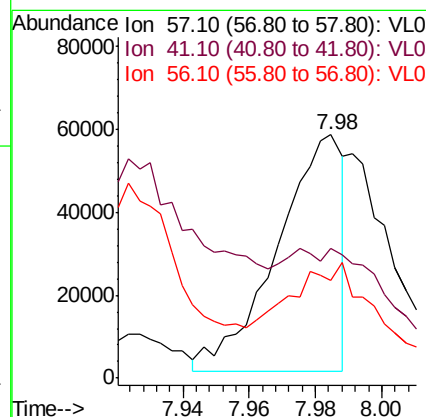
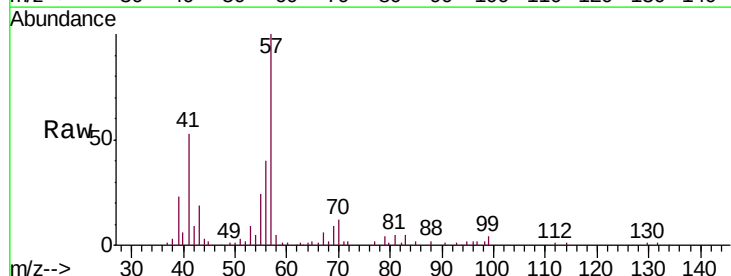
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

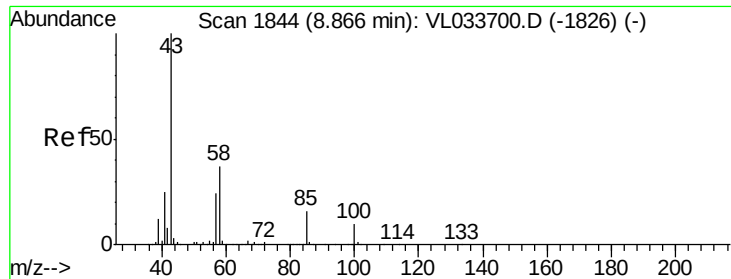
Tgt Ion: 69 Resp: 4152
Ion Ratio Lower Upper
69 100
41 645.0 116.3 174.5#
100 132.1 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 0.223 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 57 Resp: 79135
Ion Ratio Lower Upper
57 100
41 86.3 25.4 38.0#
56 0.0 24.7 37.1#

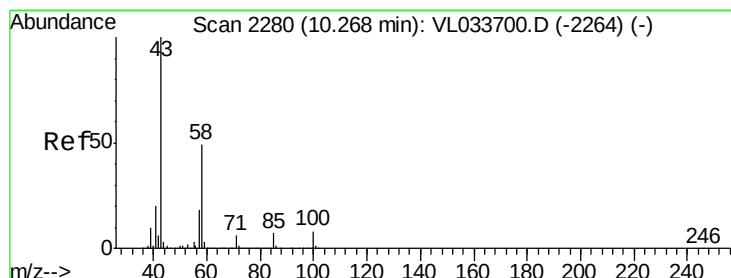
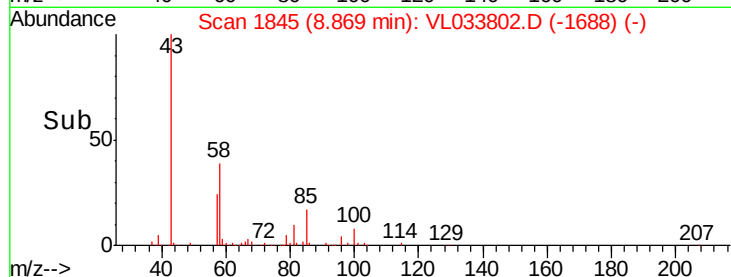
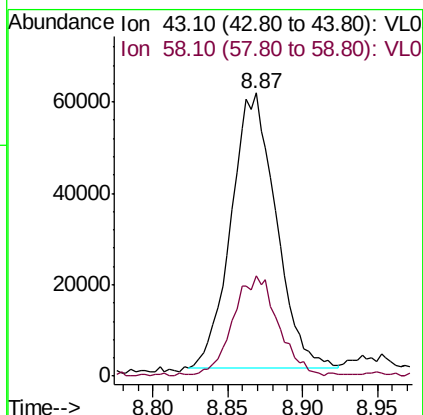
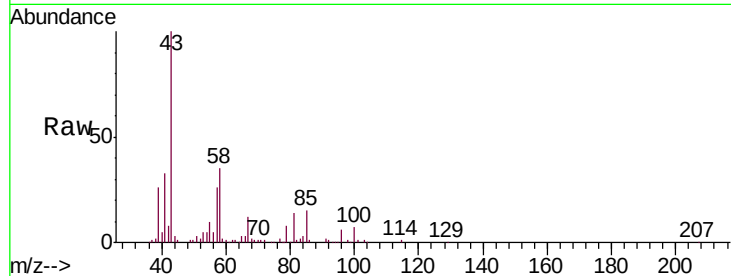




#50
 4-Methyl-2-Pentanone
 Concen: 0.568 ppbv
 RT: 8.87 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL033802.D
 Acq: 28 May 2019 13:05

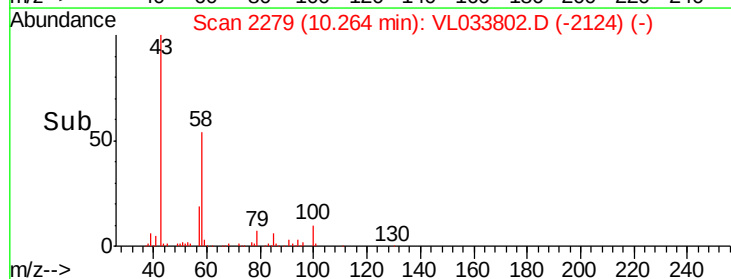
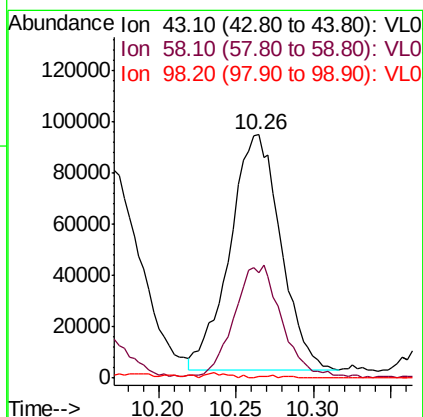
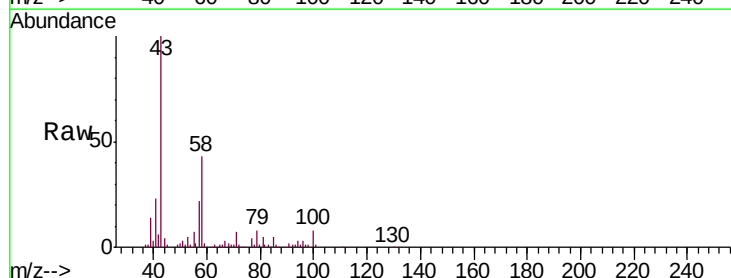
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3006-55

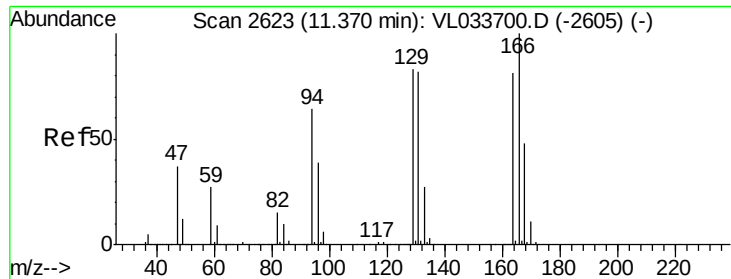
Tgt Ion: 43 Resp: 125020
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.6 43.0



#51
 2-Hexanone
 Concen: 1.224 ppbv
 RT: 10.26 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VL033802.D
 Acq: 28 May 2019 13:05

Tgt Ion: 43 Resp: 210073
 Ion Ratio Lower Upper
 43 100
 58 45.3 38.7 58.1
 98 1.6 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.040 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. 0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

Tgt Ion:164 Resp: 2985

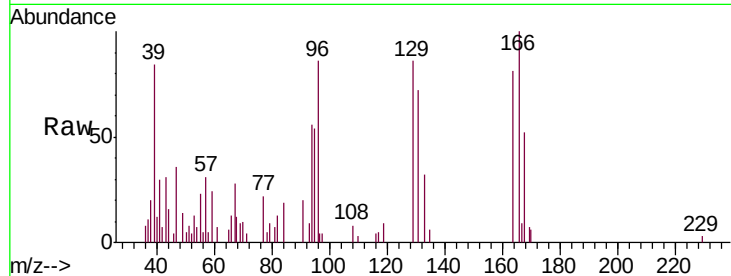
Ion Ratio Lower Upper

164 100

166 116.0 98.9 148.3

129 106.8 81.8 122.6

131 88.8 81.1 121.7

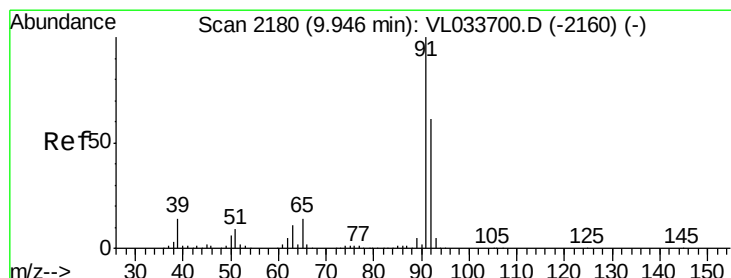
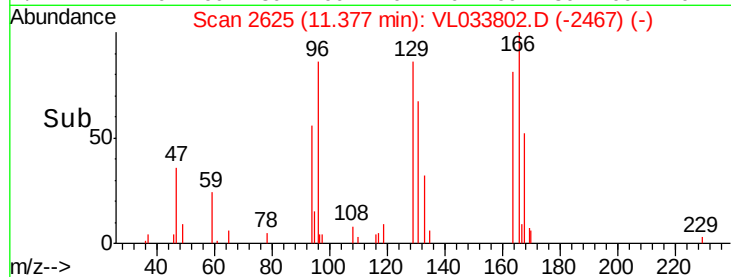
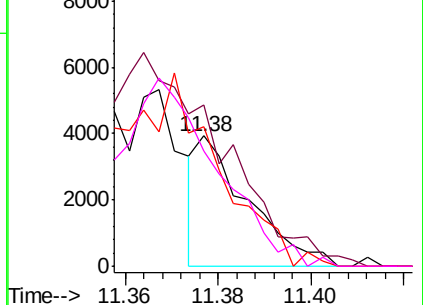


Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.414 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033802.D

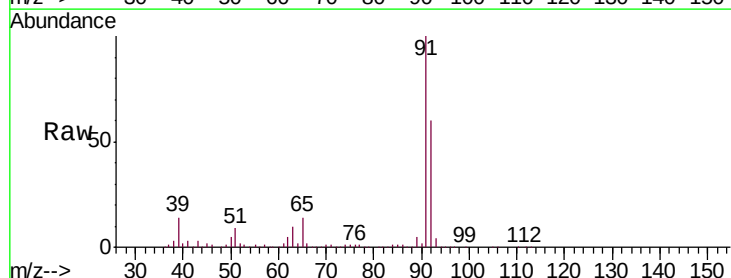
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 2130736

Ion Ratio Lower Upper

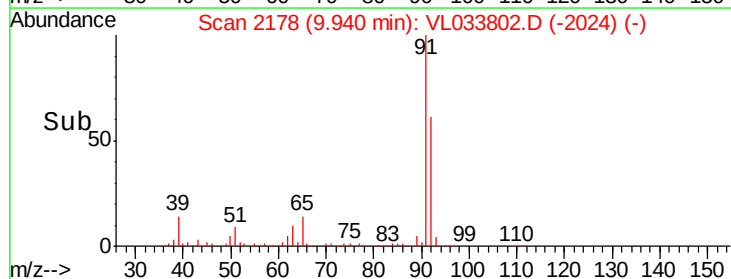
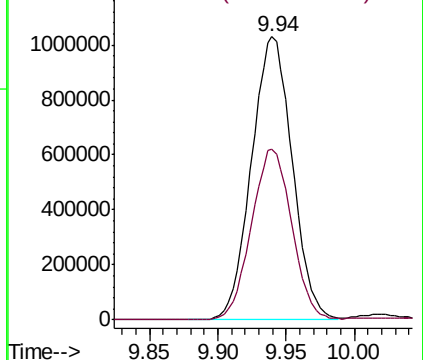
91 100

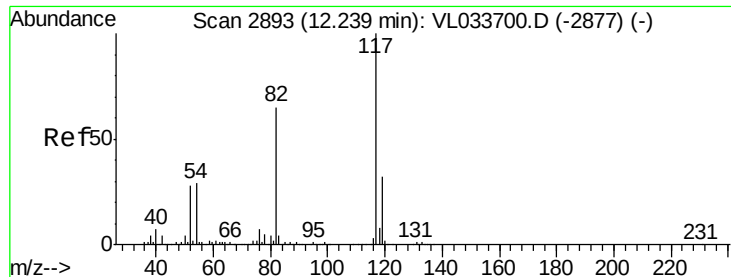
92 60.0 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

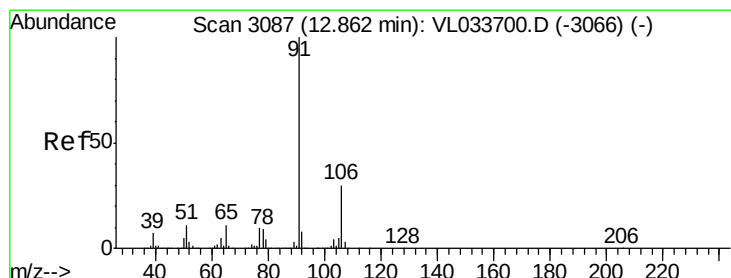
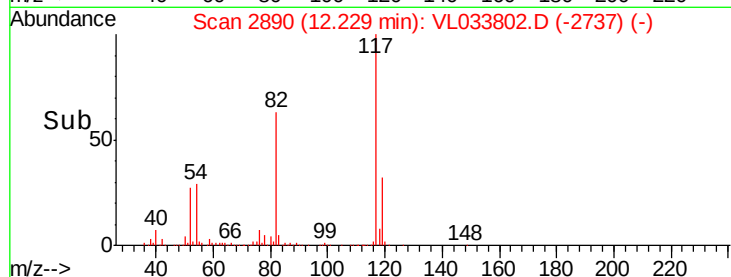
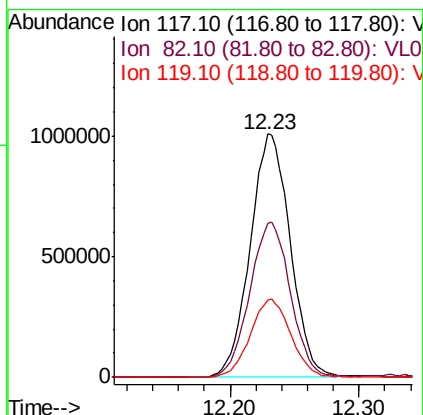
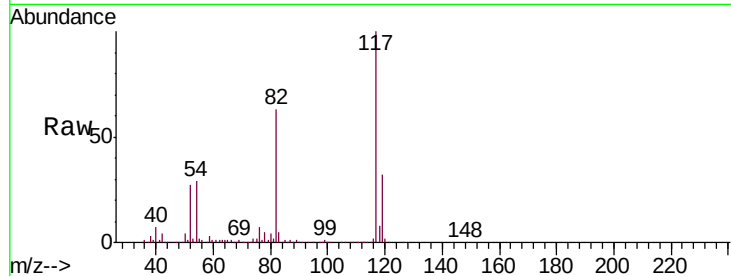




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

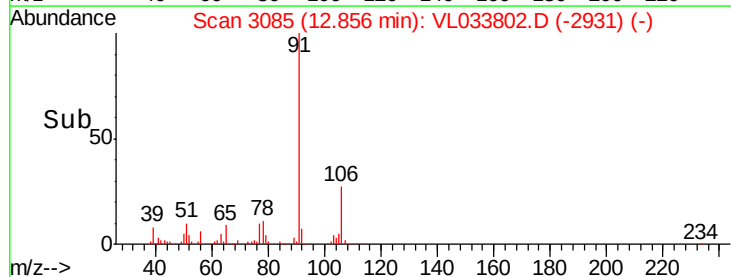
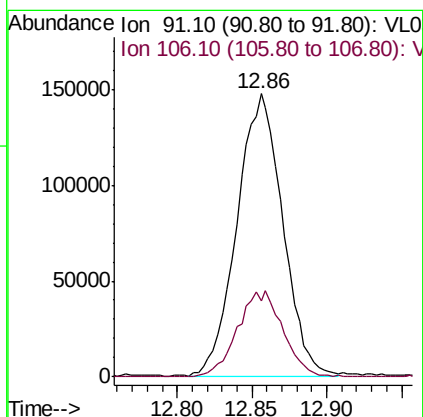
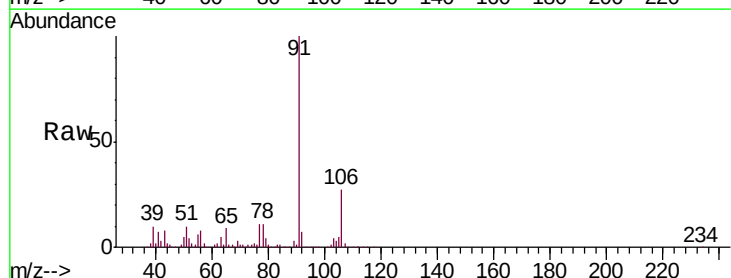
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

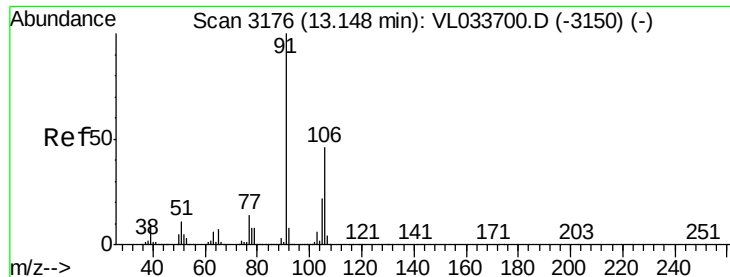
Tgt Ion: 117 Resp: 2184050
Ion Ratio Lower Upper
117 100
82 64.8 49.4 74.0
119 32.5 24.9 37.3



#58
Ethyl Benzene
Concen: 1.080 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 312474
Ion Ratio Lower Upper
91 100
106 26.7 23.9 35.9

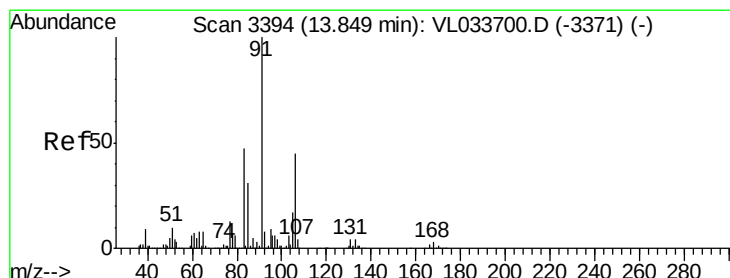
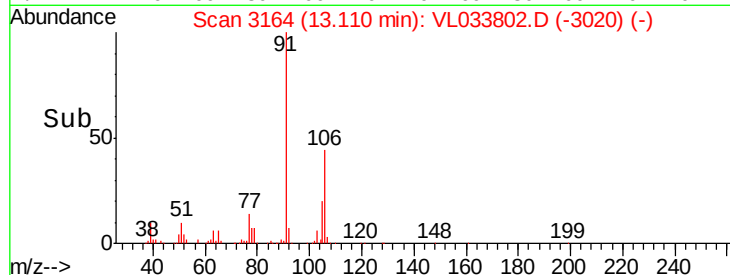
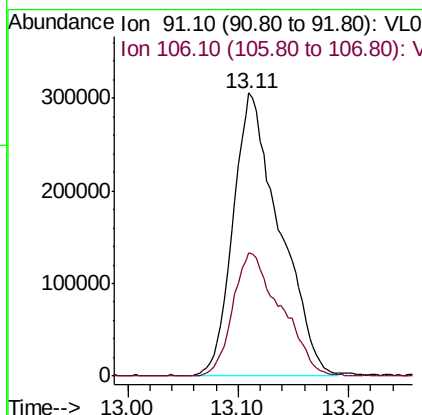
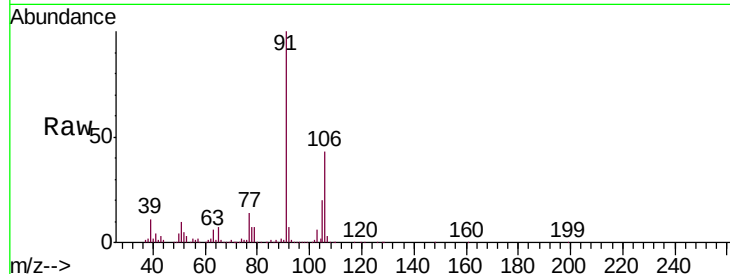




#59
m/p-Xylene
Concen: 3.517 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

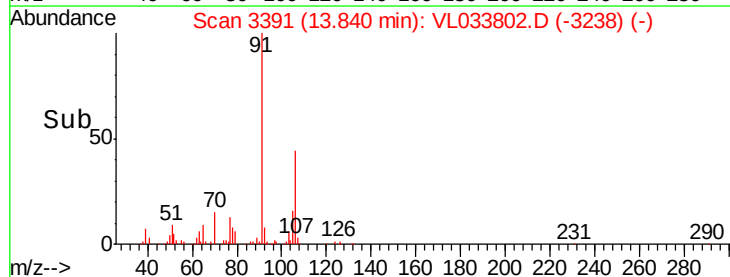
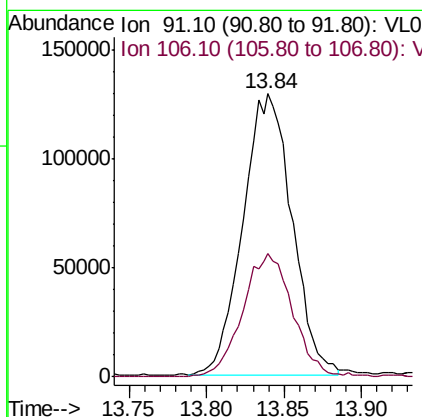
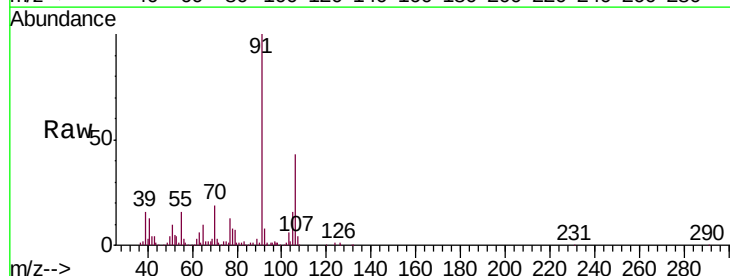
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

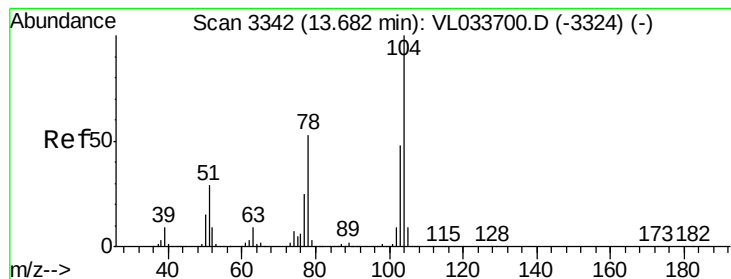
Tgt Ion: 91 Resp: 889077
Ion Ratio Lower Upper
91 100
106 45.3 35.8 53.6



#60
o-Xylene
Concen: 1.127 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 287280
Ion Ratio Lower Upper
91 100
106 44.4 21.6 64.8





#61

Styrene

Concen: 0.040 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

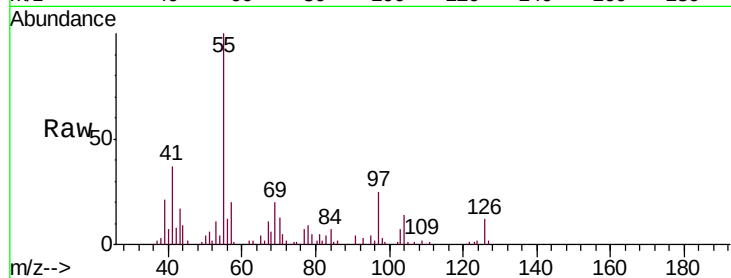
Tgt Ion: 104 Resp: 6896

Ion Ratio Lower Upper

104 100

78 160.6 42.6 64.0#

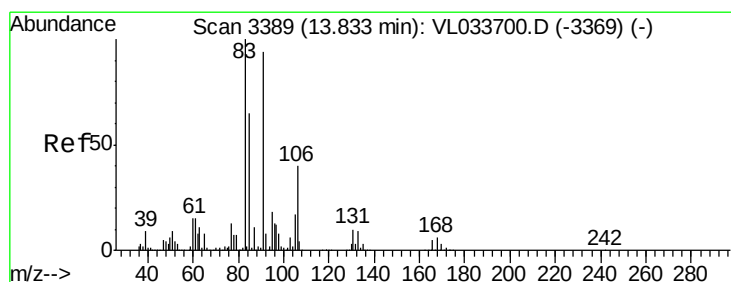
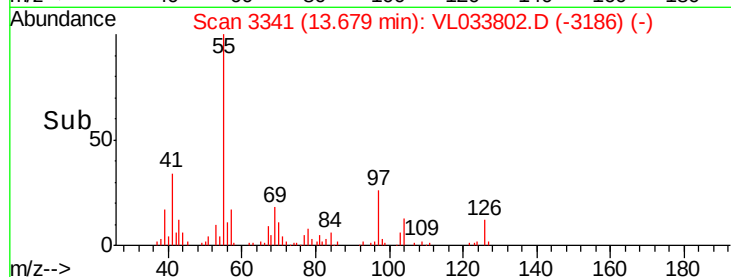
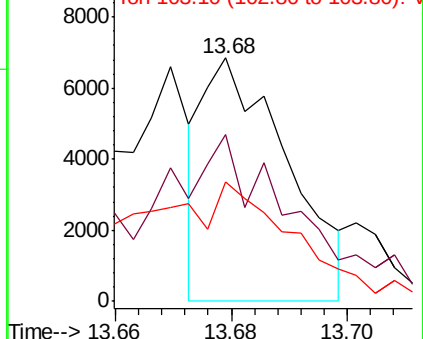
103 103.0 37.8 56.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.017 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

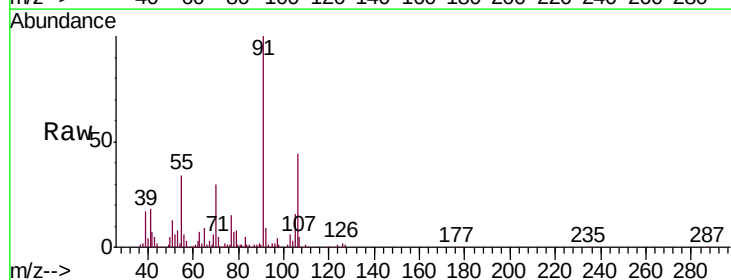
Tgt Ion: 83 Resp: 3129

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

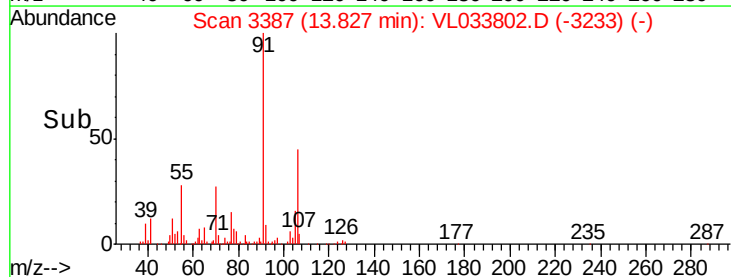
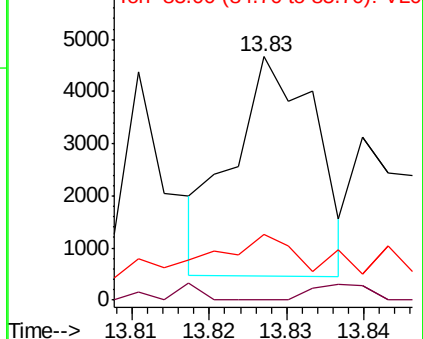
85 123.5 32.3 96.9#

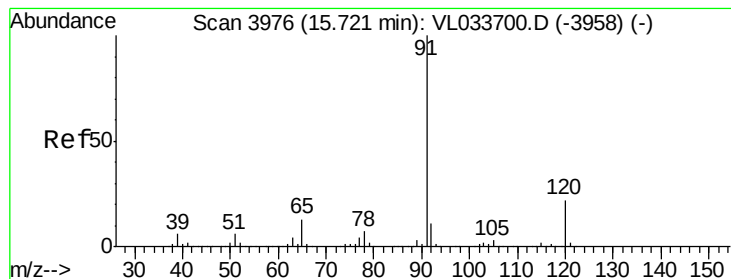


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.054 ppbv

RT: 15.71 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

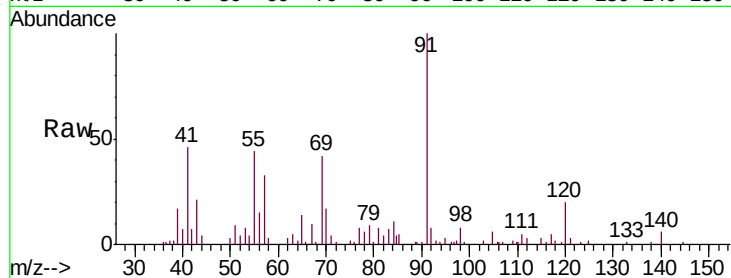
BPS1-SG-3006-55

Tgt Ion:120 Resp: 4771

Ion Ratio Lower Upper

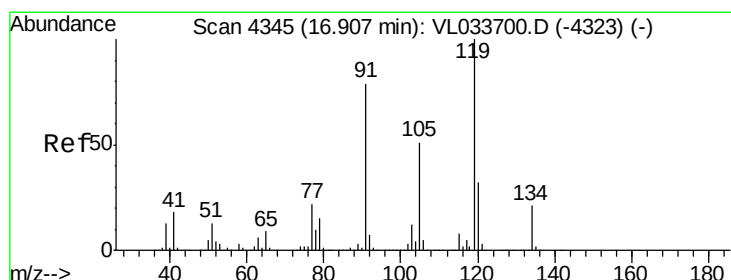
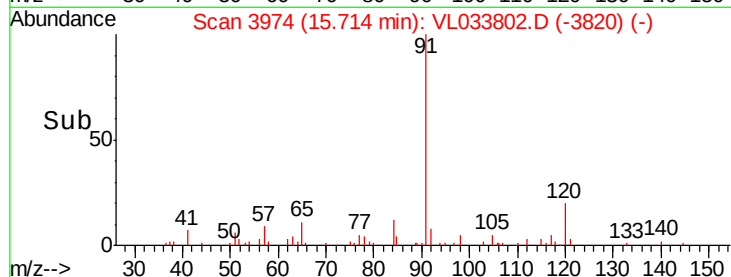
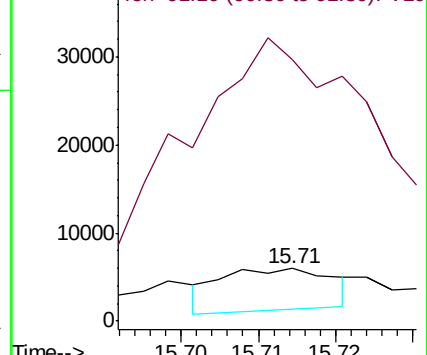
120 100

91 1492.8 379.1 568.7#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.048 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

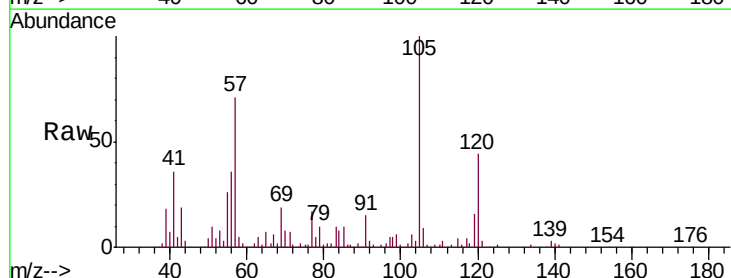
Tgt Ion:119 Resp: 15106

Ion Ratio Lower Upper

119 100

91 177.0 65.3 97.9#

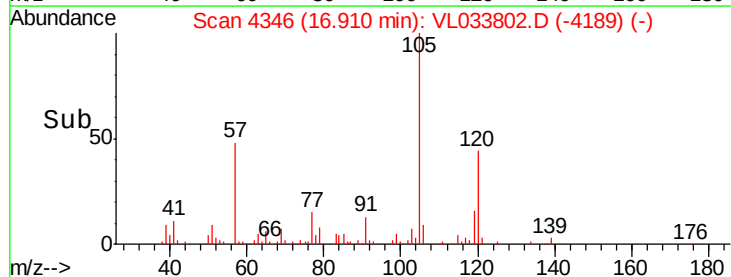
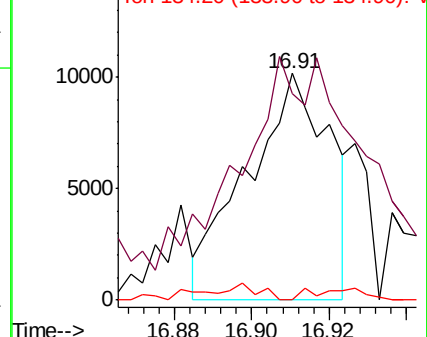
134 8.2 15.7 23.5#

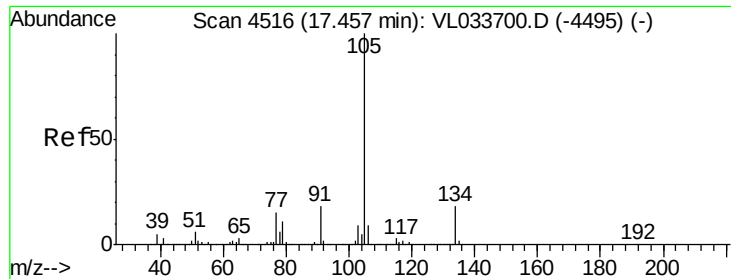


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.011 ppbv

RT: 17.44 min Scan# 4512

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

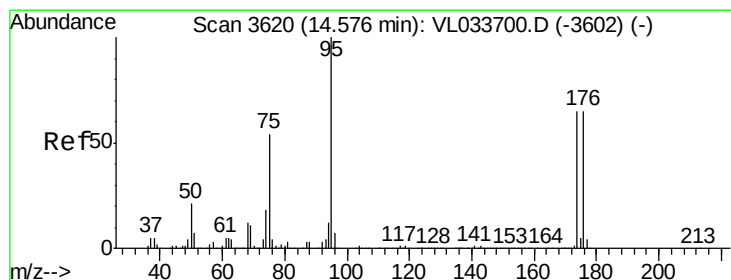
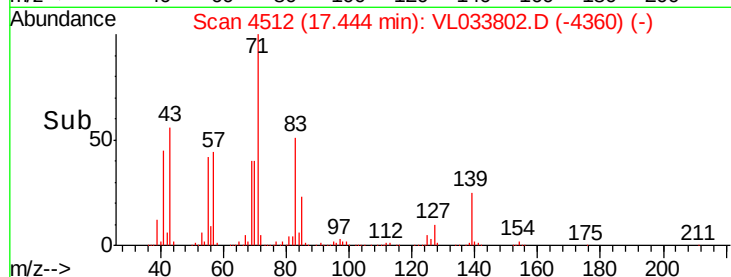
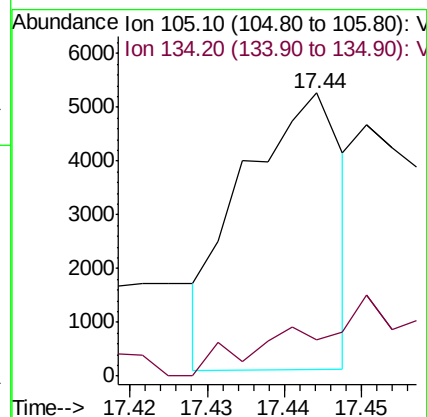
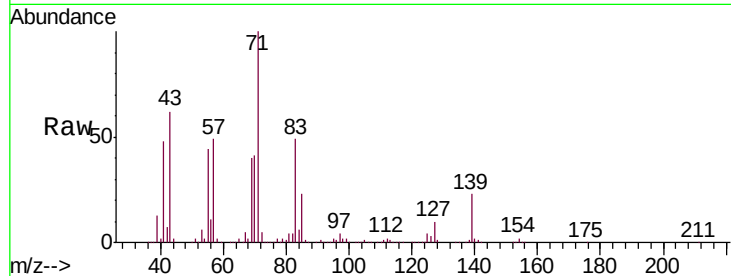
BPS1-SG-3006-55

Tgt Ion: 105 Resp: 4618

Ion Ratio Lower Upper

105 100

134 0.0 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.969 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

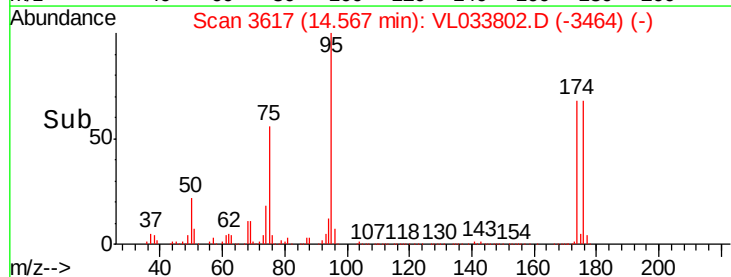
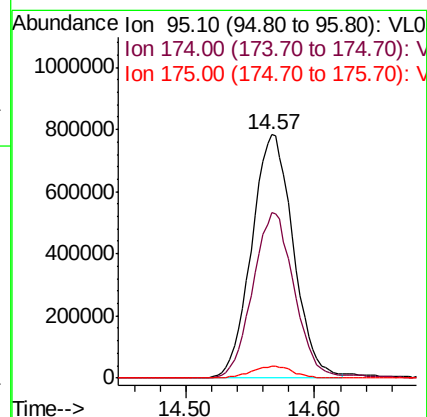
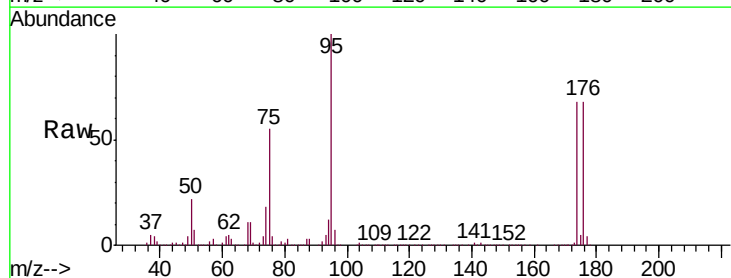
Tgt Ion: 95 Resp: 1765059

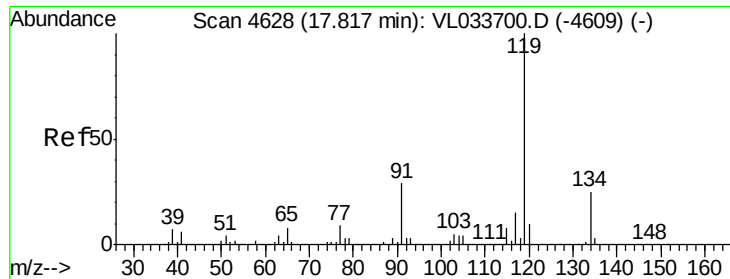
Ion Ratio Lower Upper

95 100

174 68.5 53.9 80.9

175 4.9 3.8 5.8

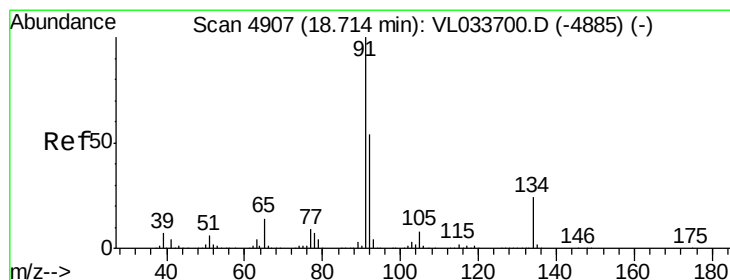
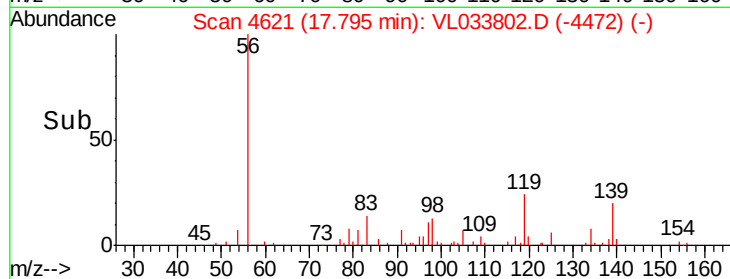
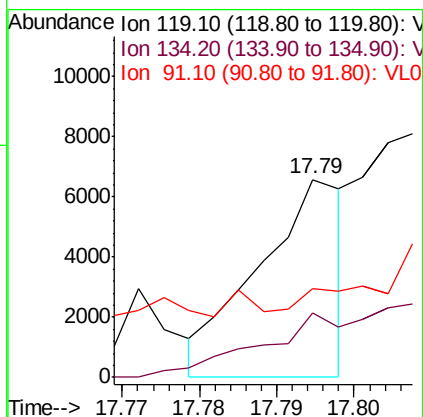
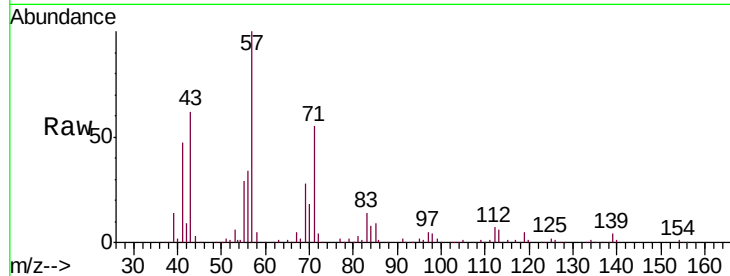




#69
p-Isopropyltoluene
Concen: 0.014 ppbv
RT: 17.79 min Scan# 4621
Delta R.T. -0.02 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

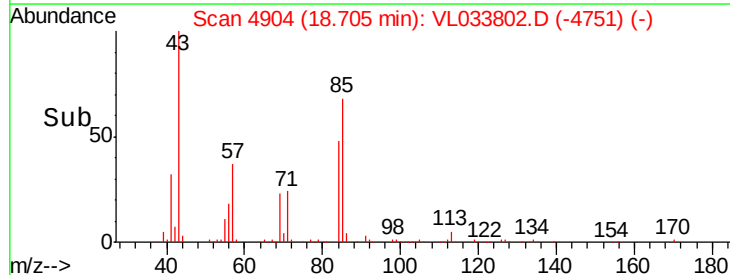
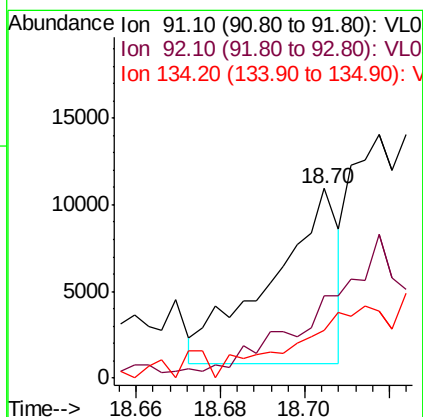
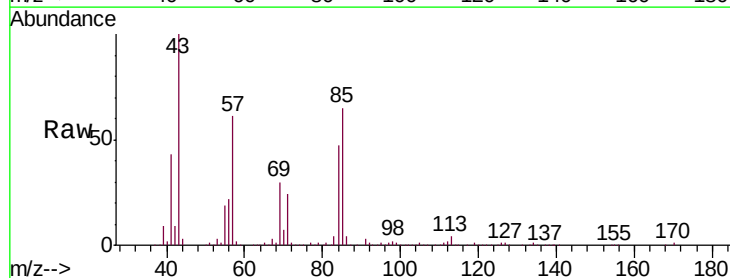
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

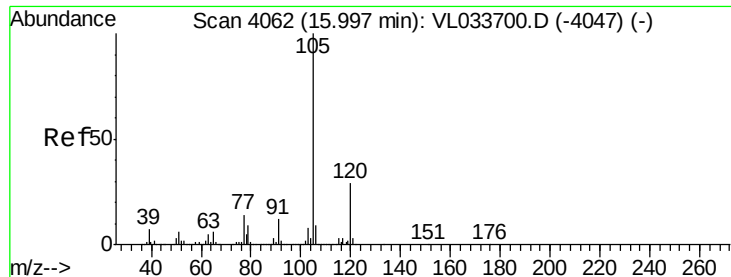
Tgt Ion: 119 Resp: 5077
Ion Ratio Lower Upper
119 100
134 0.0 20.3 30.5#
91 0.0 23.1 34.7#



#70
n-Butylbenzene
Concen: 0.029 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion: 91 Resp: 11090
Ion Ratio Lower Upper
91 100
92 0.0 42.6 63.8#
134 0.0 18.1 27.1#





#72

4-Ethyltoluene

Concen: 0.213 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

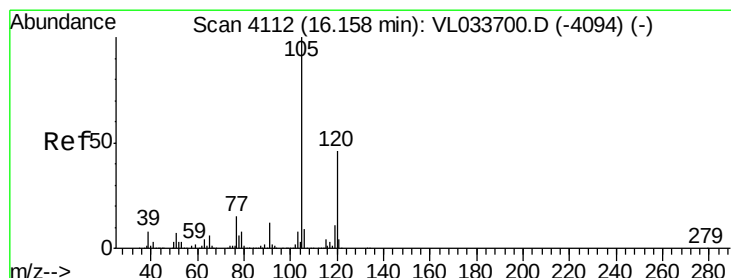
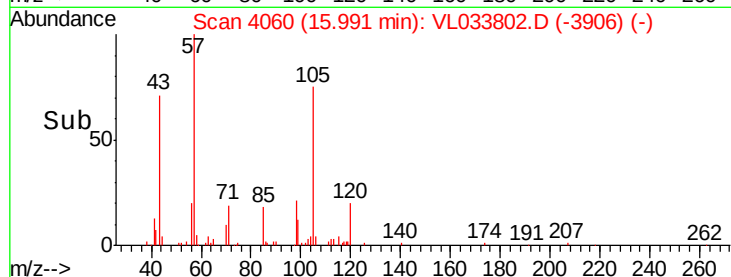
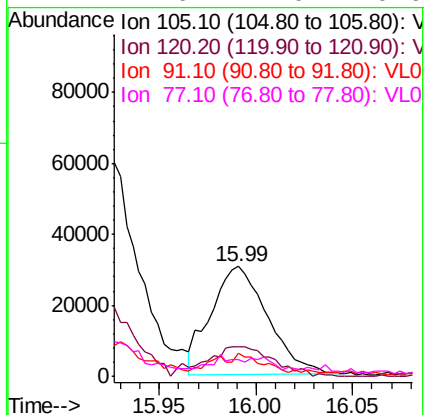
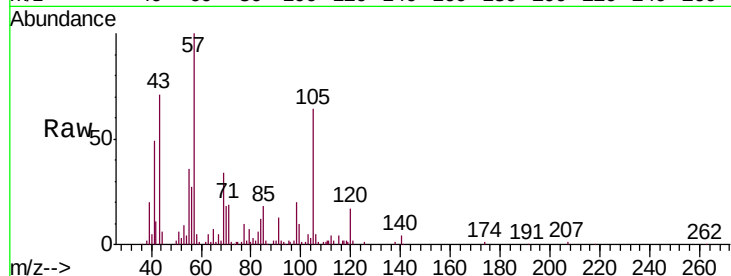
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

Tgt Ion:	105	Resp:	62153
Ion Ratio	Lower	Upper	
105	100		
120	32.3	23.1	34.7
91	17.5	10.4	15.6#
77	27.6	11.0	16.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.184 ppbv

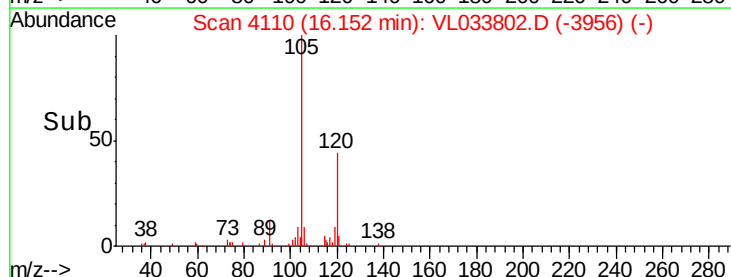
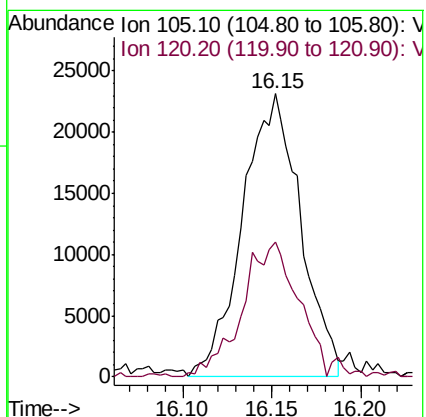
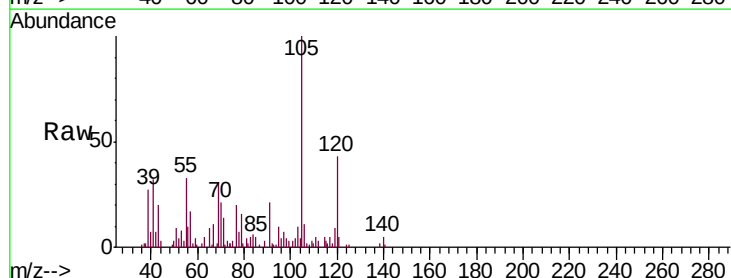
RT: 16.15 min Scan# 4110

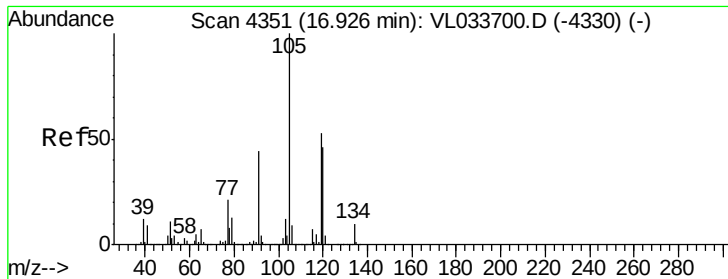
Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Tgt Ion:	105	Resp:	52393
Ion Ratio	Lower	Upper	
105	100		
120	46.4	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.525 ppbv

RT: 16.92 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

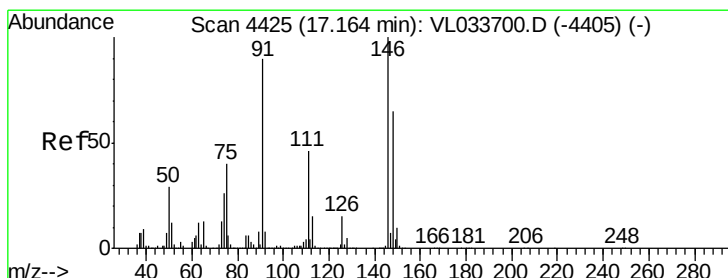
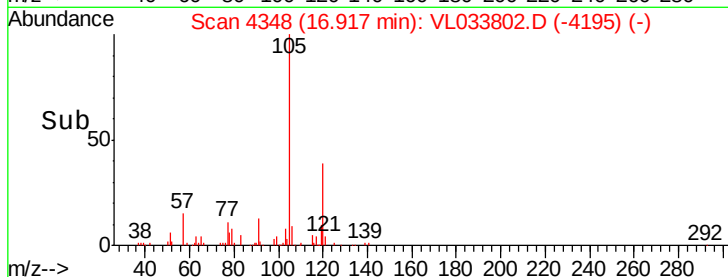
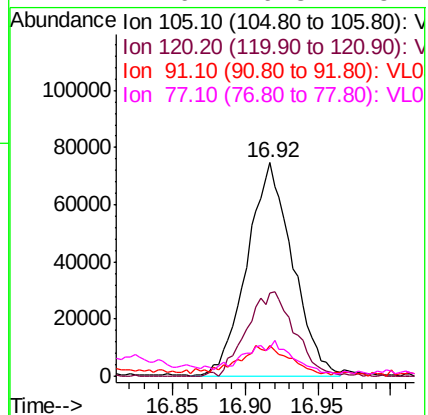
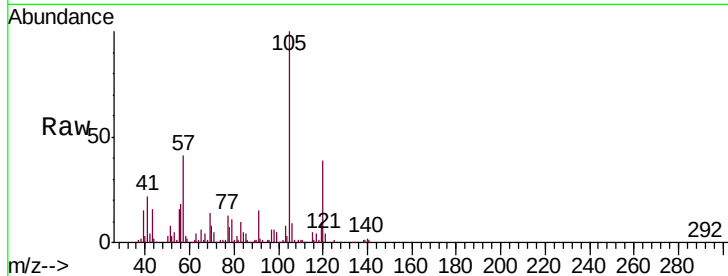
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

Tgt Ion:	105	Resp:	162406
Ion	Ratio	Lower	Upper
105	100		
120	42.6	36.8	55.2
91	13.3	35.4	53.0#
77	11.6	16.8	25.2#



#75

1,3-Dichlorobenzene

Concen: 0.072 ppbv

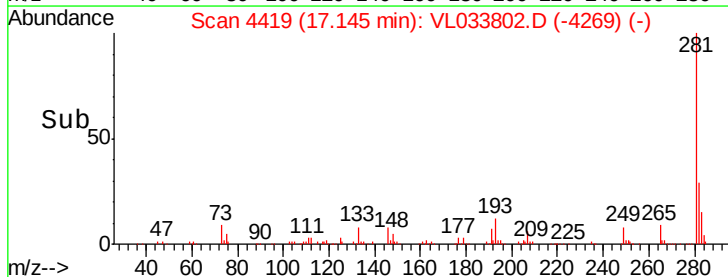
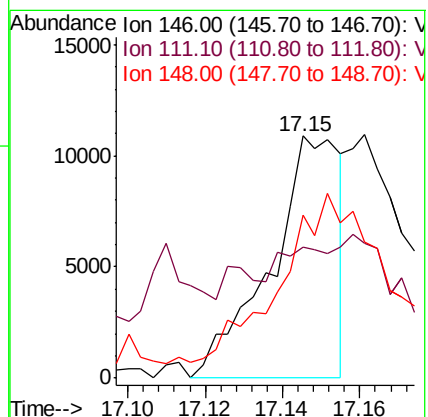
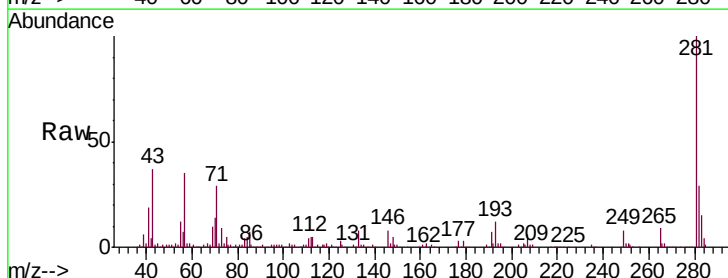
RT: 17.15 min Scan# 4419

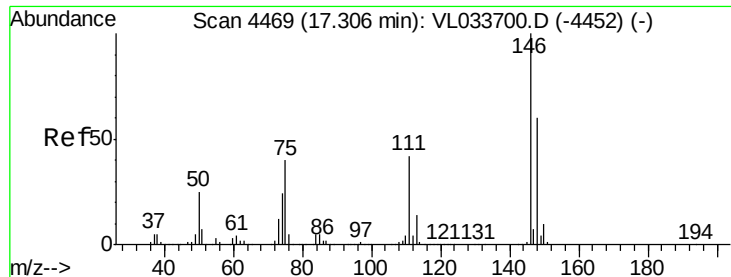
Delta R.T. -0.02 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Tgt Ion:	146	Resp:	13584
Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.8#
148	0.0	32.0	96.2#





#76

1,4-Dichlorobenzene

Concen: 0.013 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

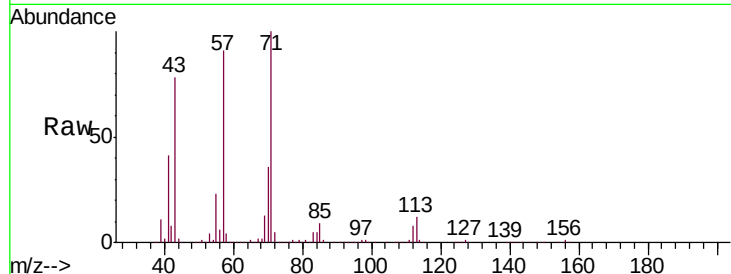
Tgt Ion:146 Resp: 2425

Ion Ratio Lower Upper

146 100

111 351.1 21.9 65.8#

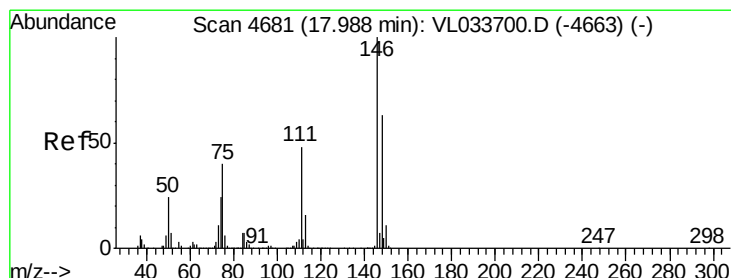
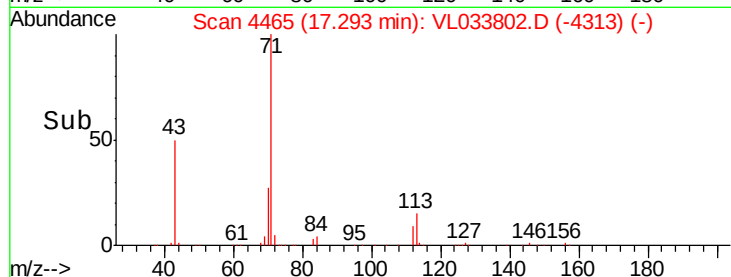
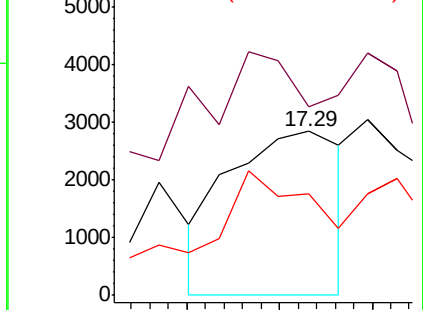
148 177.2 32.1 96.3#



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: 0.025 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

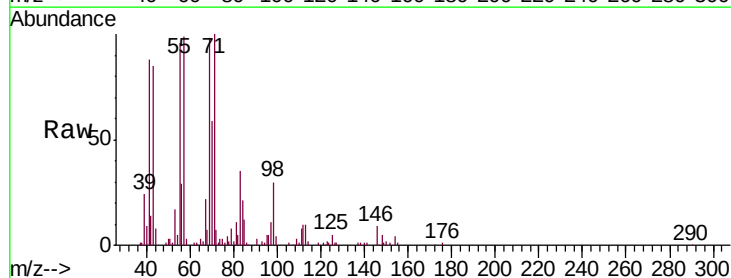
Tgt Ion:146 Resp: 4400

Ion Ratio Lower Upper

146 100

111 141.9 23.5 70.5#

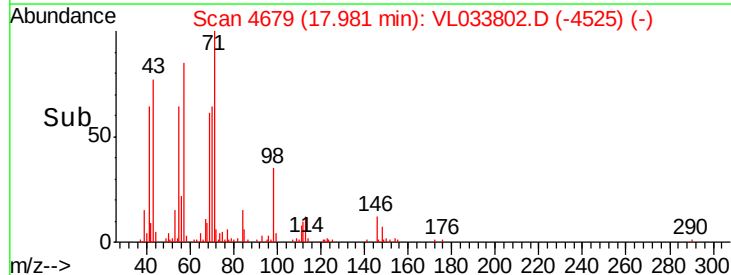
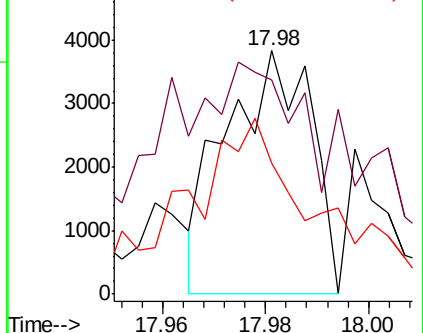
148 117.7 32.1 96.3#

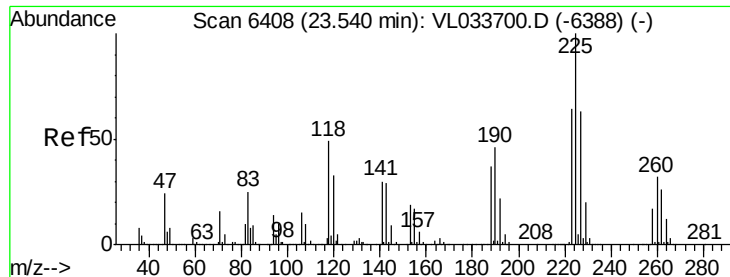


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 0.035 ppbv

RT: 23.53 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3006-55

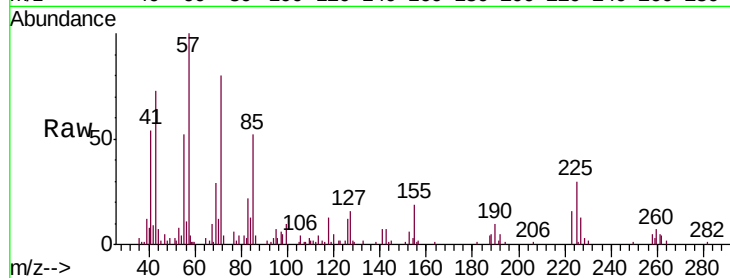
Tgt Ion:225 Resp: 4673

Ion Ratio Lower Upper

225 100

223 0.0 50.2 75.4#

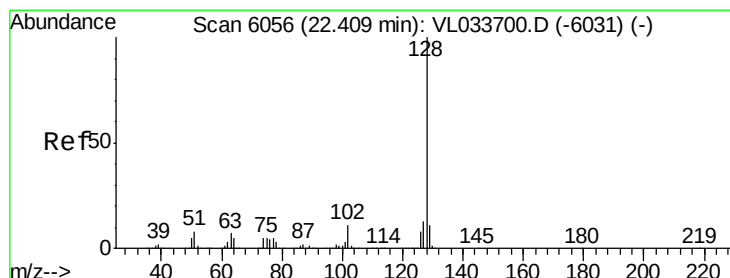
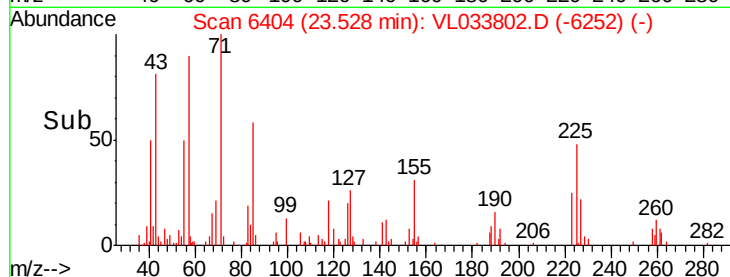
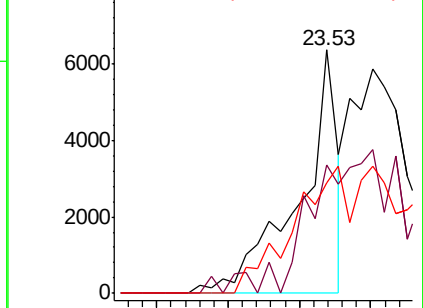
227 0.0 50.7 76.1#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.051 ppbv

RT: 22.40 min Scan# 6052

Delta R.T. -0.01 min

Lab File: VL033802.D

Acq: 28 May 2019 13:05

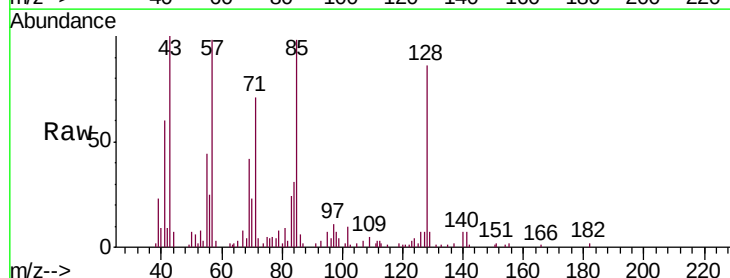
Tgt Ion:128 Resp: 14656

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

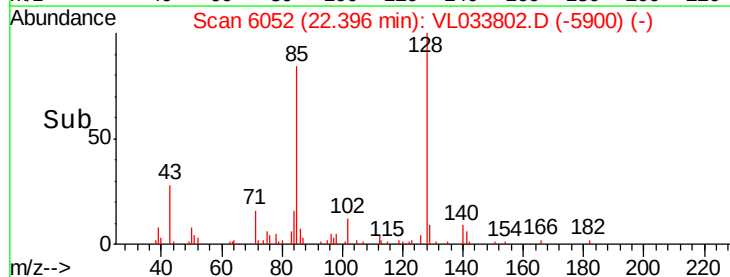
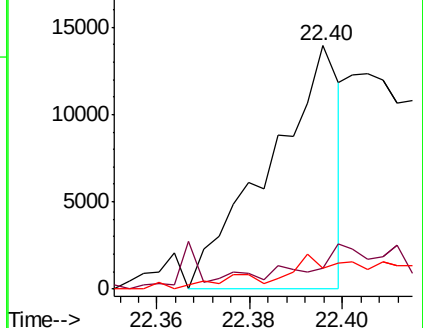
129 7.3 8.9 13.3#

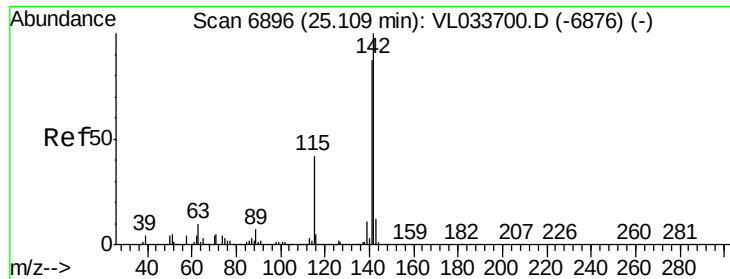


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

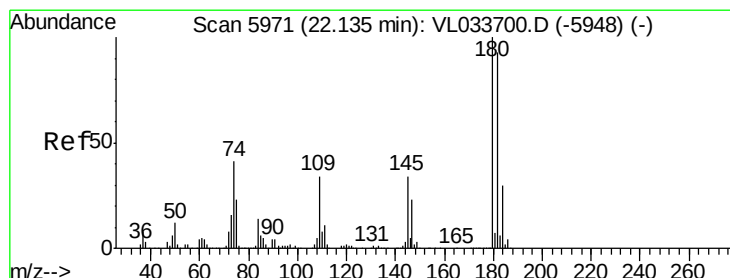
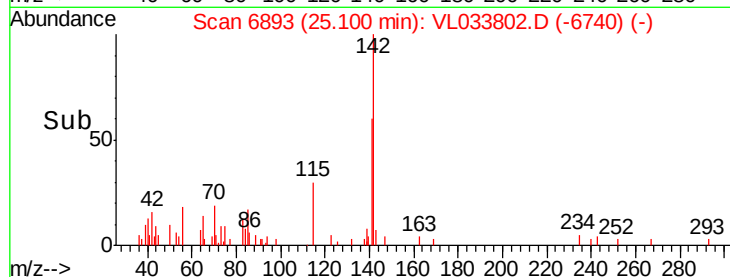
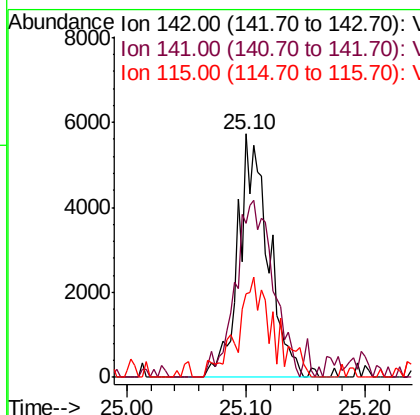
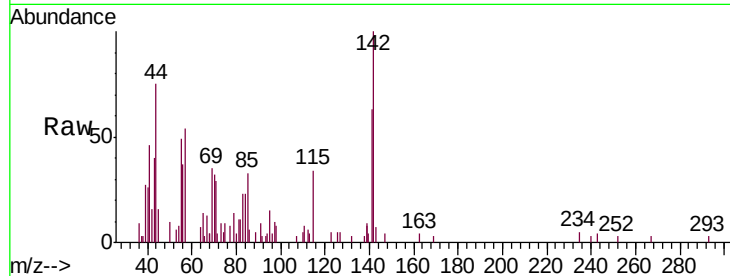




#80
Naphthalene, 2-methyl-
Concen: 0.092 ppbv
RT: 25.10 min Scan# 6893
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3006-55

Tgt Ion:142 Resp: 10073
Ion Ratio Lower Upper
142 100
141 93.1 67.2 100.8
115 49.3 34.1 51.1



#81
1,2,4-Trichlorobenzene
Concen: 0.015 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033802.D
Acq: 28 May 2019 13:05

Tgt Ion:180 Resp: 2506
Ion Ratio Lower Upper
180 100
182 0.0 76.1 114.1#
184 0.0 24.6 37.0#

