

Data File : VL033818.D
Acq On : 29 May 2019 1:13
Operator : SY/AP
Sample : K2960-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

Quant Time: May 29 05:33:15 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	5.77	49	844880	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2199230	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2103992	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1669609	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	32756	0.184	ppbv	90
3) Chlorodifluoromethane	2.99	51	87006	0.899	ppbv #	71
4) Chloromethane	3.17	50	21278	0.384	ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	2176	0.015	ppbv #	73
9) Propene	3.03	41	3836965	93.213	ppbv	94
10) Heptane	8.24	43	317921	2.727	ppbv	99
11) Trichlorofluoromethane	4.00	101	81555	0.480	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	115922	0.977	ppbv	96
13) Ethanol	3.67	45	735993	55.319	ppbv	98
15) Acetone	3.90	43	19463315	166.037	ppbv #	65
16) 1,3-Butadiene	3.34	39	3255086	69.731	ppbv #	21
17) tert-Butyl alcohol	4.37	59	217450	2.294	ppbv #	94
19) Isopropyl Alcohol	4.04	45	271963	3.598	ppbv #	94
20) Methylene Chloride	4.42	84	296068	6.560	ppbv	95
21) Allyl Chloride	4.46	41	67854	0.928	ppbv #	1
23) Vinyl Acetate	5.14	43	60456	0.391	ppbv #	1
24) 1,1-Dichloroethane	5.13	63	2499	0.021	ppbv #	90
25) Ethyl Acetate	5.78	43	475511	2.309	ppbv #	86
26) Hexane	5.78	57	542566	6.129	ppbv #	41
27) Carbon Disulfide	4.62	76	219361	1.806	ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	2085	0.014	ppbv #	54
29) Chloroform	5.85	83	8971	0.055	ppbv	98
30) Cyclohexane	7.24	84	45175	0.607	ppbv #	87
32) 1,1,1-Trichloroethane	6.63	97	2039	0.013	ppbv #	28
34) 2-Butanone	5.33	43	1914923	14.047	ppbv	99
35) Carbon Tetrachloride	7.13	117	6357	0.036	ppbv	91
36) Benzene	7.01	78	406146	2.030	ppbv	96
37) 1,2-Dichloroethane	6.41	62	2507	0.019	ppbv #	83
38) Trichloroethene	7.97	130	21126	0.285	ppbv #	75
39) 1,2-Dichloropropane	7.30	63	555964	7.454	ppbv #	22
41) Tetrahydrofuran	6.15	42	7961	0.104	ppbv #	22
42) Bromodichloromethane	7.92	83	3469	0.020	ppbv #	29
43) Methyl Methacrylate	8.11	69	1679	0.023	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	121721	0.360	ppbv #	57
50) 4-Methyl-2-Pentanone	8.88	43	113369	0.541	ppbv	96
51) 2-Hexanone	10.26	43	218644	1.336	ppbv #	95
52) Tetrachloroethene	11.37	164	5539	0.079	ppbv #	73
53) Toluene	9.94	91	4710425	21.830	ppbv	98
58) Ethyl Benzene	12.86	91	575916	2.067	ppbv	98
59) m/p-Xylene	13.12	91	1889029	7.756	ppbv	97
60) o-Xylene	13.84	91	656802	2.675	ppbv	99

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Response via : Initial Calibration

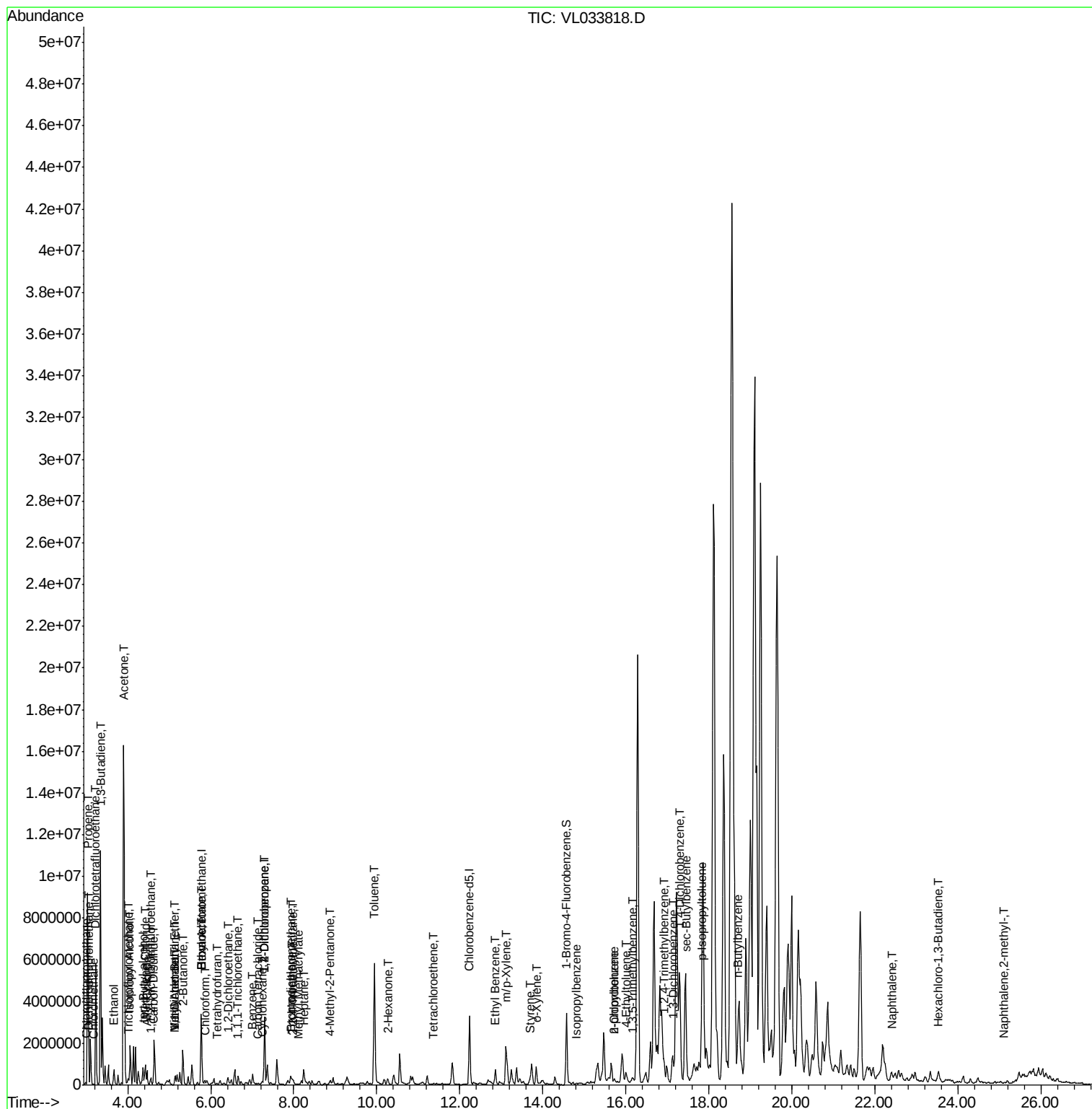
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
61) Styrene	13.69	104	11807	0.071	ppbv	#	1
62) Isopropylbenzene	14.82	105	39217	0.119	ppbv		94
64) n-propylbenzene	15.72	120	39924	0.467	ppbv		85
67) sec-Butylbenzene	17.46	105	7312	0.017	ppbv	#	23
69) p-Isopropyltoluene	17.81	119	6937	0.020	ppbv	#	1
70) n-Butylbenzene	18.69	91	4295	0.011	ppbv	#	33
71) 2-Chlorotoluene	15.72	91	186196	0.759	ppbv	#	46
72) 4-Ethyltoluene	15.99	105	249424	0.889	ppbv		98
73) 1,3,5-Trimethylbenzene	16.15	105	194030	0.708	ppbv		99
74) 1,2,4-Trimethylbenzene	16.92	105	773608	2.595	ppbv	#	76
75) 1,3-Dichlorobenzene	17.15	146	53131	0.291	ppbv	#	75
76) 1,4-Dichlorobenzene	17.29	146	2071	0.012	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.53	225	2539	0.020	ppbv	#	19
79) Naphthalene	22.42	128	101863	0.368	ppbv	#	91
80) Naphthalene,2-methyl-	25.11	142	7730	0.073	ppbv		91

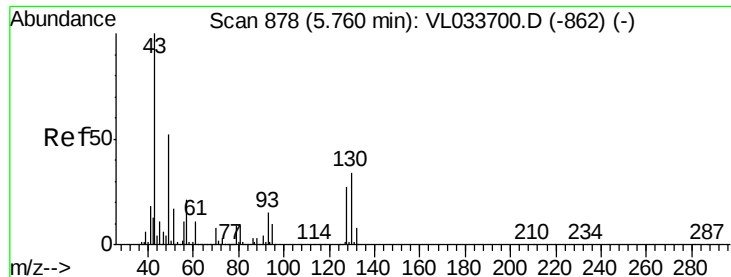
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.01 min

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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

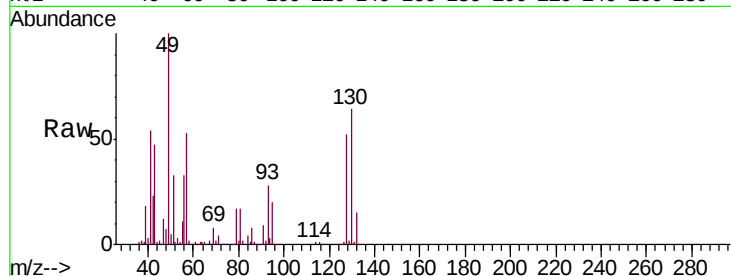
Tgt Ion: 49 Resp: 844880

Ion Ratio Lower Upper

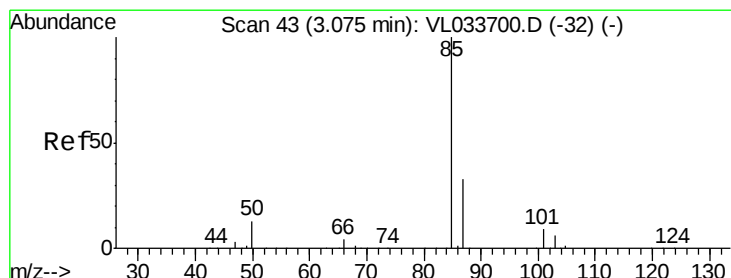
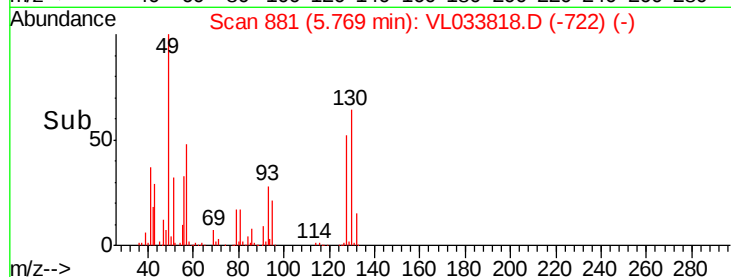
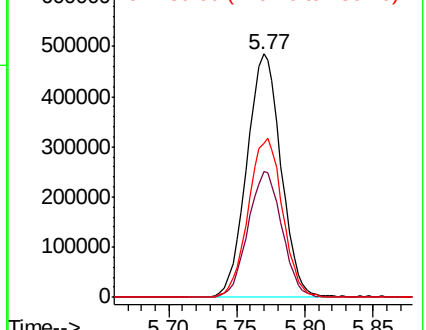
49 100

128 51.2 25.2 75.6

130 65.5 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: 0.184 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033818.D

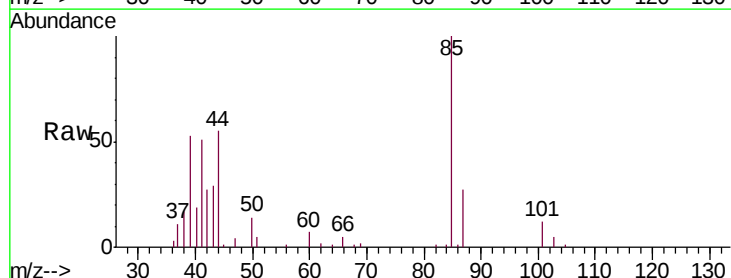
Acq: 29 May 2019 1:13

Tgt Ion: 85 Resp: 32756

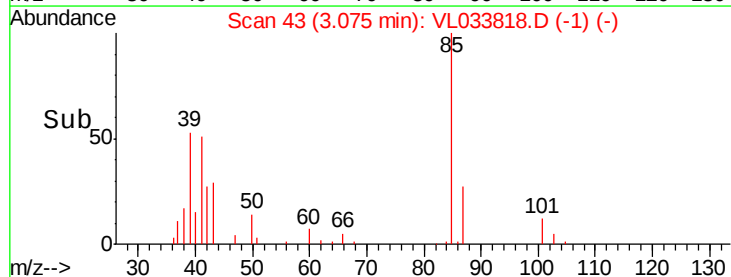
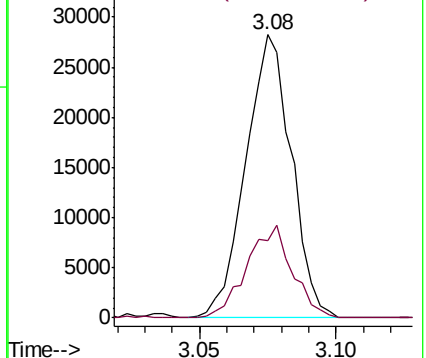
Ion Ratio Lower Upper

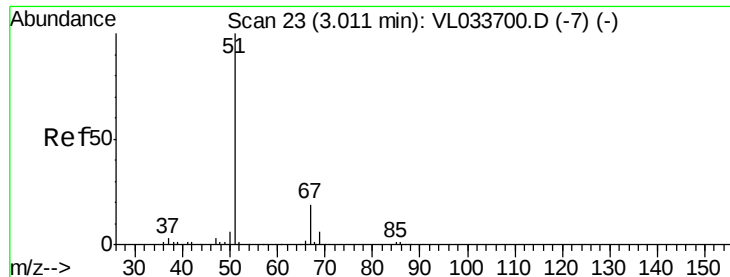
85 100

87 27.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.899 ppbv

RT: 2.99 min Scan# 16

Delta R.T. -0.02 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

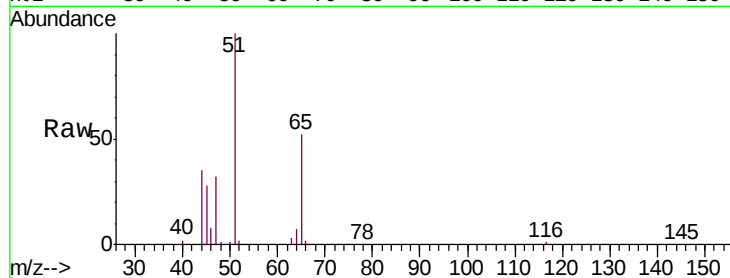
BPS1-SG-3011-55

Tgt Ion: 51 Resp: 87006

Ion Ratio Lower Upper

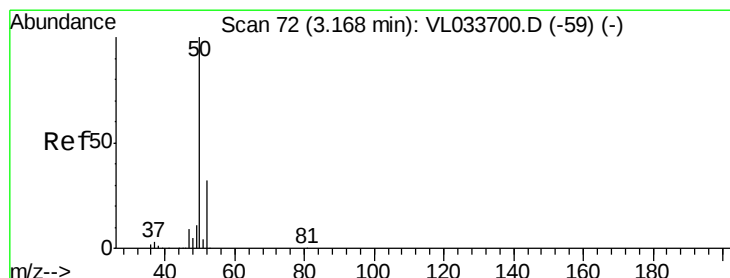
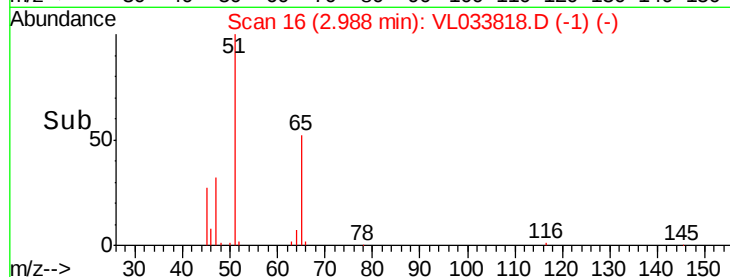
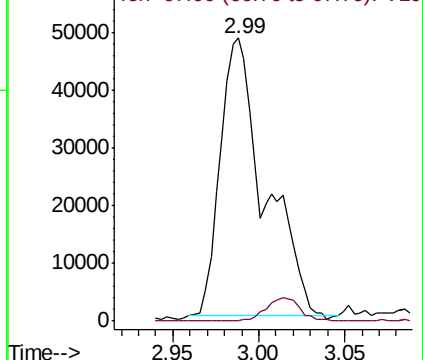
51 100

67 6.4 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.384 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033818.D

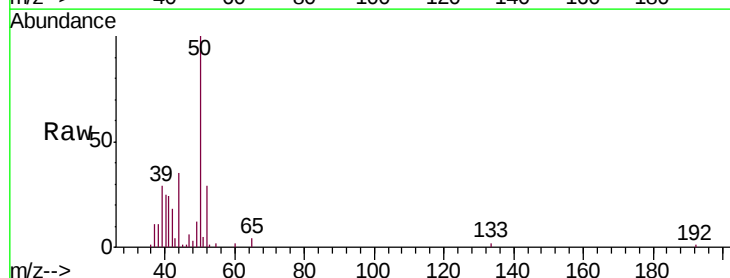
Acq: 29 May 2019 1:13

Tgt Ion: 50 Resp: 21278

Ion Ratio Lower Upper

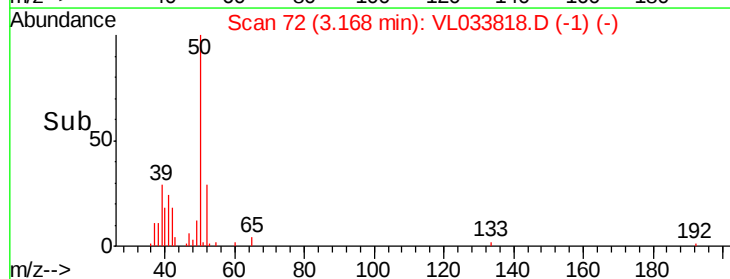
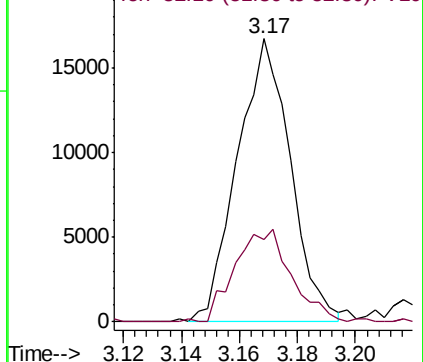
50 100

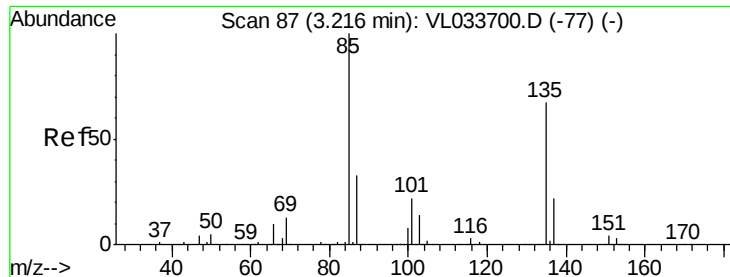
52 26.9 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.015 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

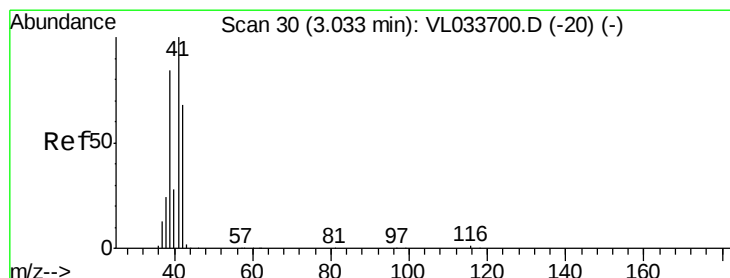
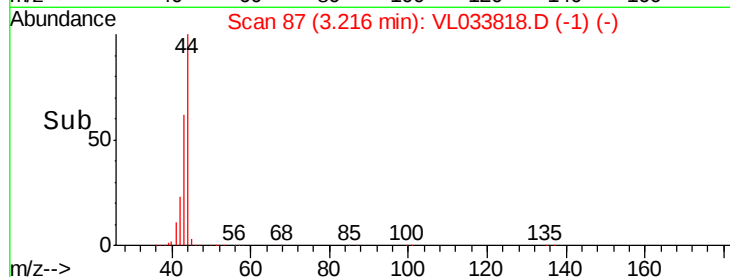
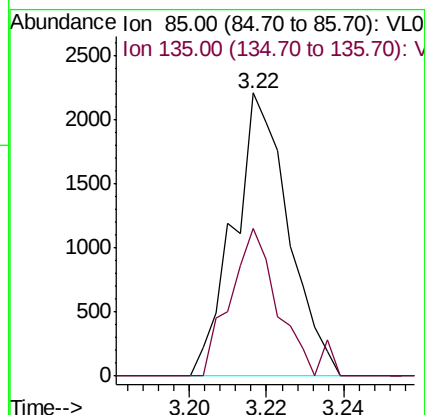
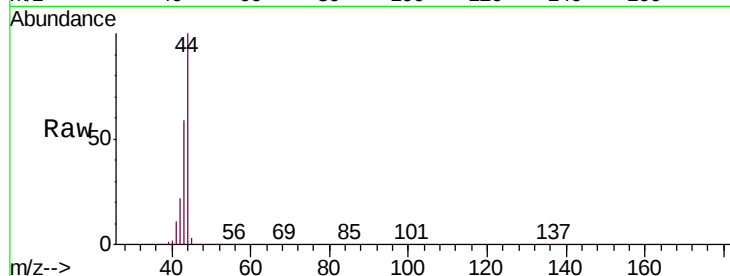
BPS1-SG-3011-55

Tgt Ion: 85 Resp: 2176

Ion Ratio Lower Upper

85 100

135 46.6 54.5 81.7#



#9

Propene

Concen: 93.213 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033818.D

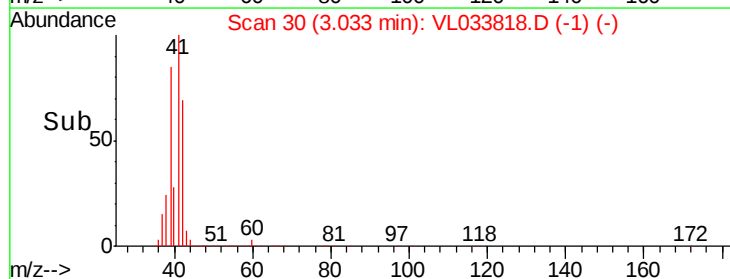
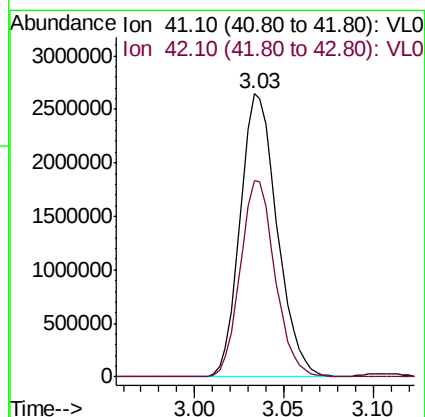
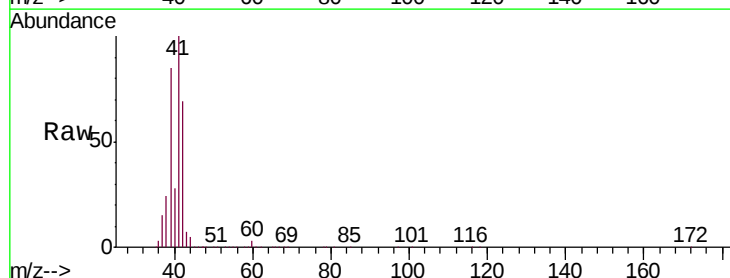
Acq: 29 May 2019 1:13

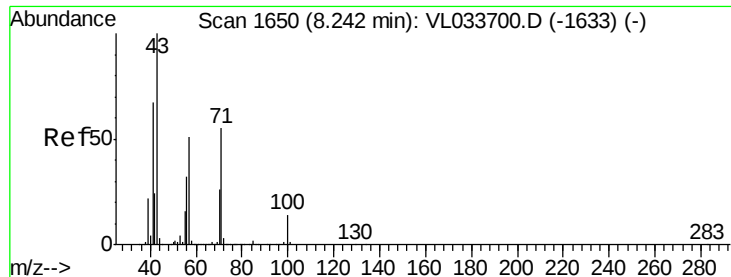
Tgt Ion: 41 Resp: 3836965

Ion Ratio Lower Upper

41 100

42 65.5 56.1 84.1





#10

Heptane

Concen: 2.727 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

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ClientSampleId :

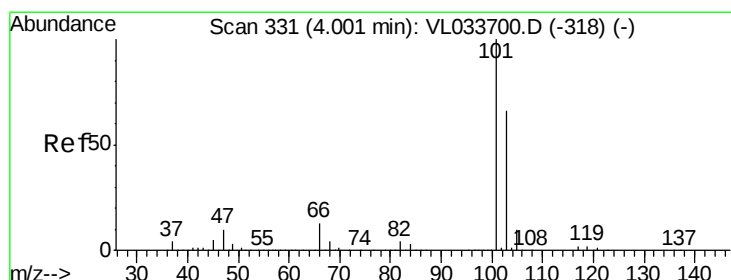
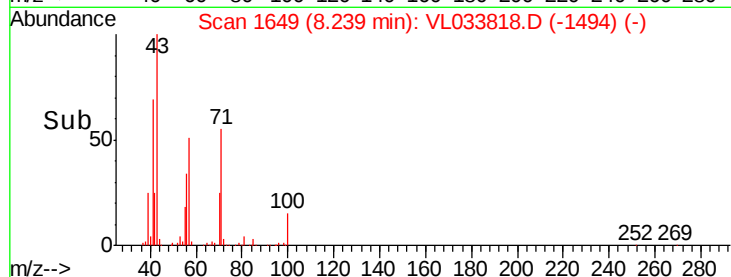
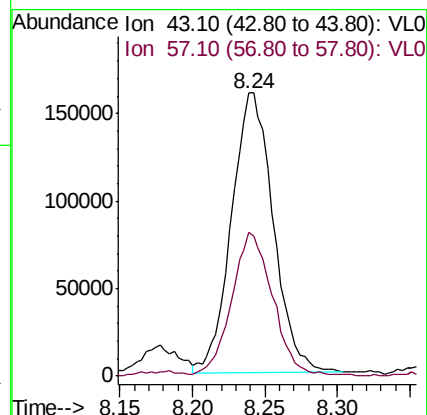
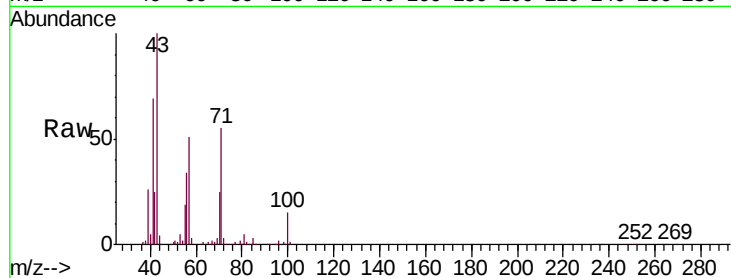
BPS1-SG-3011-55

Tgt Ion: 43 Resp: 317921

Ion Ratio Lower Upper

43 100

57 50.9 41.4 62.0



#11

Trichlorofluoromethane

Concen: 0.480 ppbv

RT: 4.00 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL033818.D

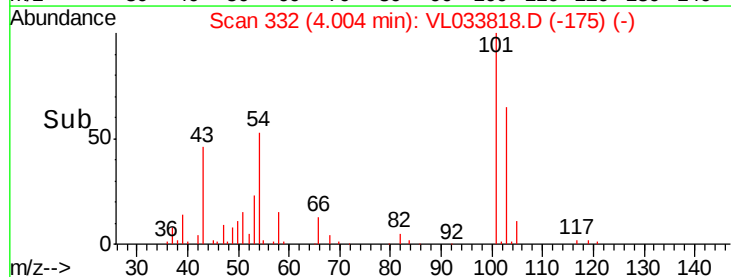
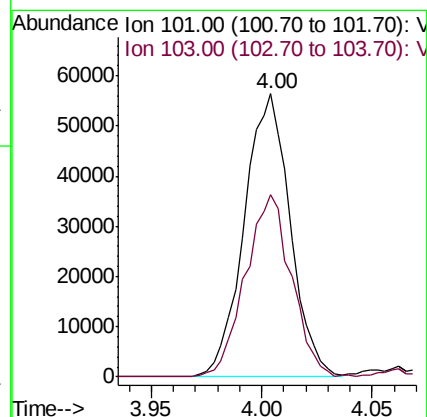
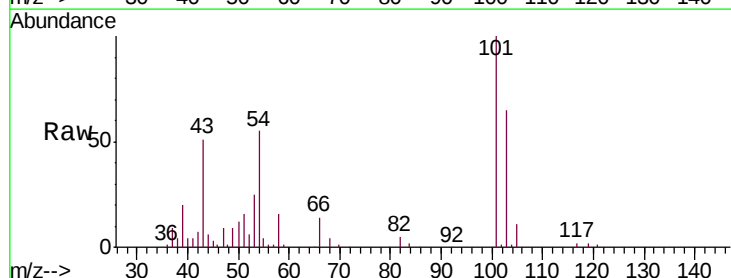
Acq: 29 May 2019 1:13

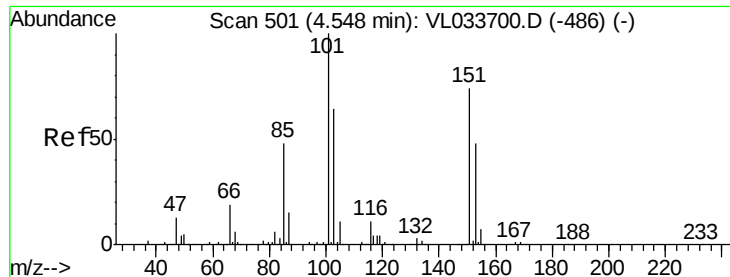
Tgt Ion: 101 Resp: 81555

Ion Ratio Lower Upper

101 100

103 64.6 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.977 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

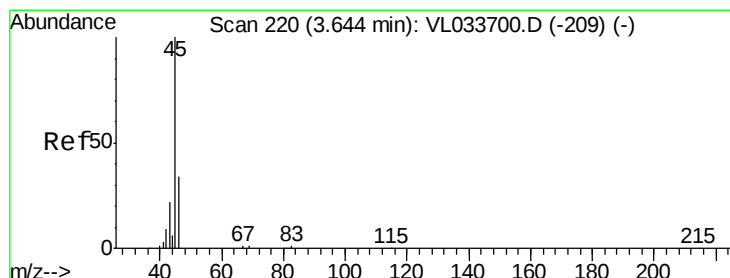
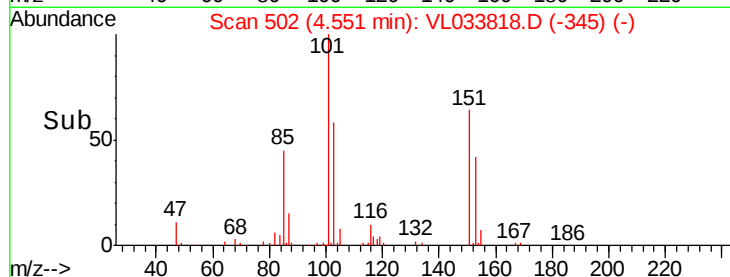
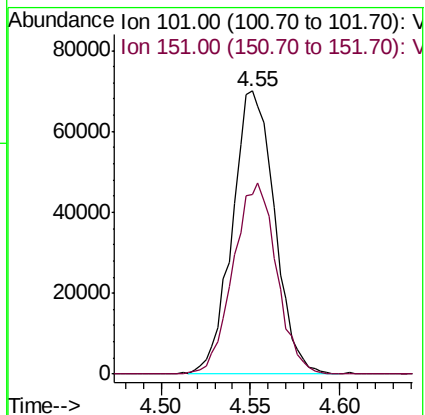
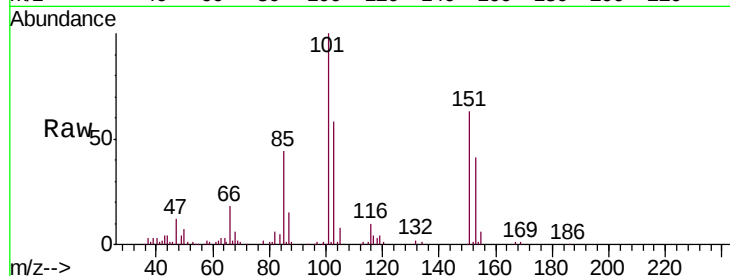
BPS1-SG-3011-55

Tgt Ion: 101 Resp: 115922

Ion Ratio Lower Upper

101 100

151 69.3 58.2 87.4



#13

Ethanol

Concen: 55.319 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033818.D

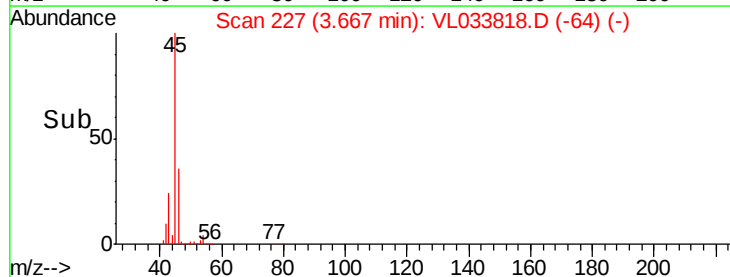
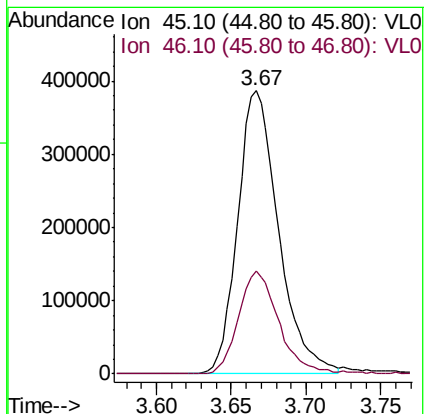
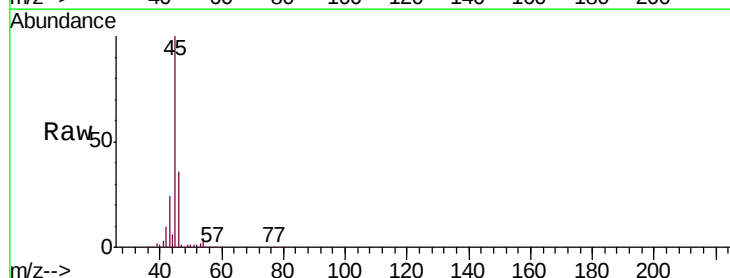
Acq: 29 May 2019 1:13

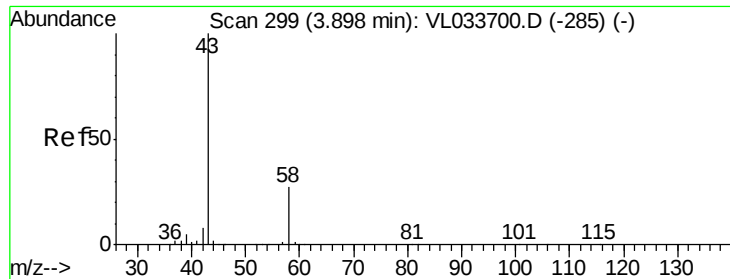
Tgt Ion: 45 Resp: 735993

Ion Ratio Lower Upper

45 100

46 36.0 14.8 59.0





#15

Acetone

Concen: 166.037 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

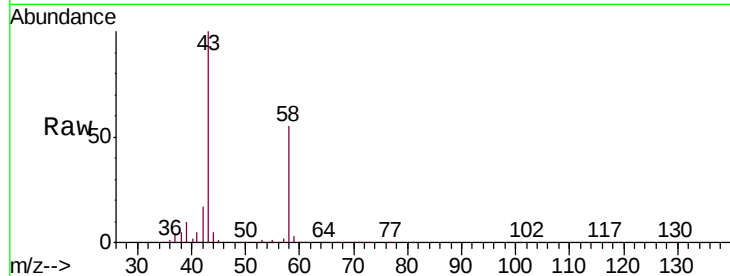
BPS1-SG-3011-55

Tgt Ion: 43 Resp:19463315

Ion Ratio Lower Upper

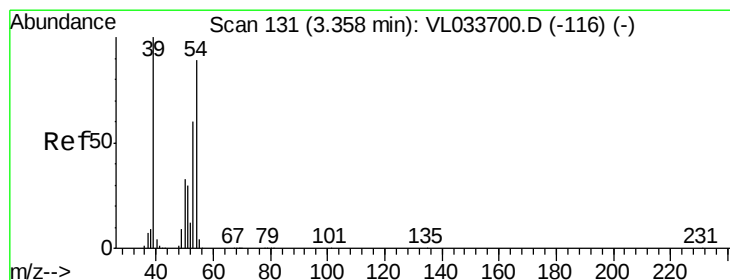
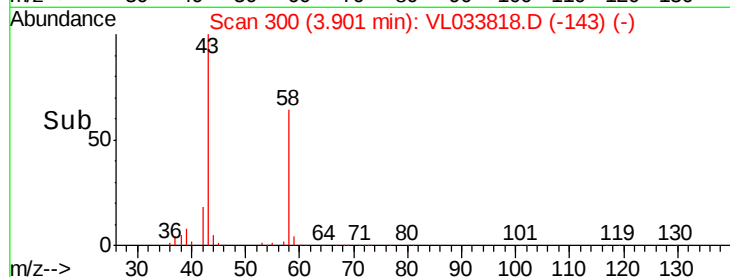
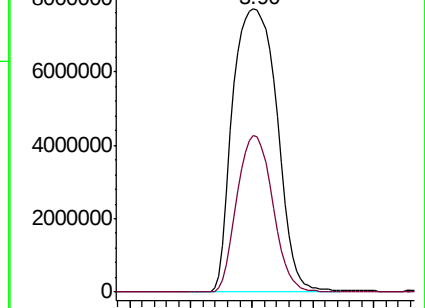
43 100

58 44.8 21.3 31.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 69.731 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.02 min

Lab File: VL033818.D

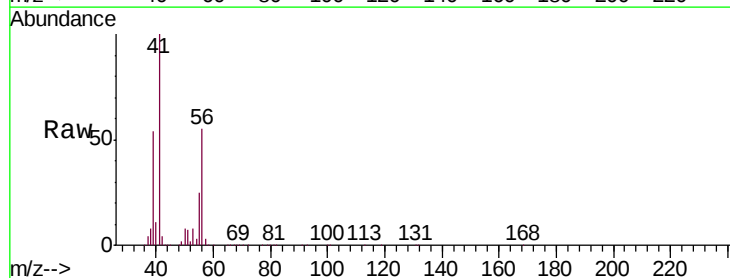
Acq: 29 May 2019 1:13

Tgt Ion: 39 Resp: 3255086

Ion Ratio Lower Upper

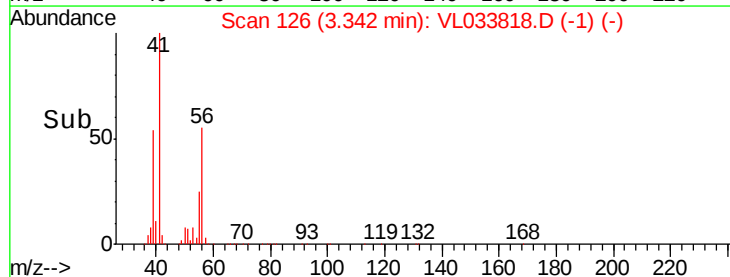
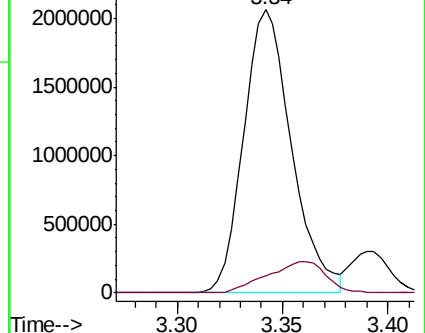
39 100

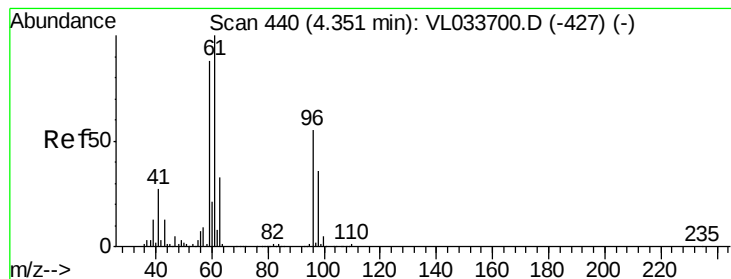
54 13.8 69.0 103.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



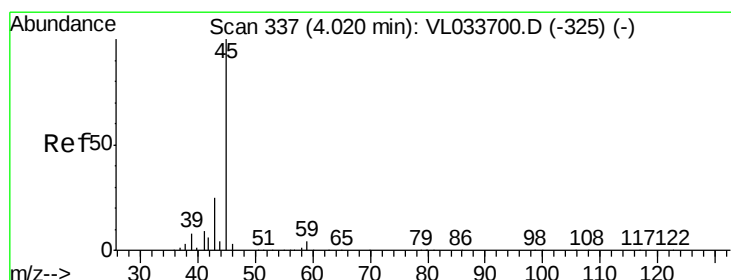
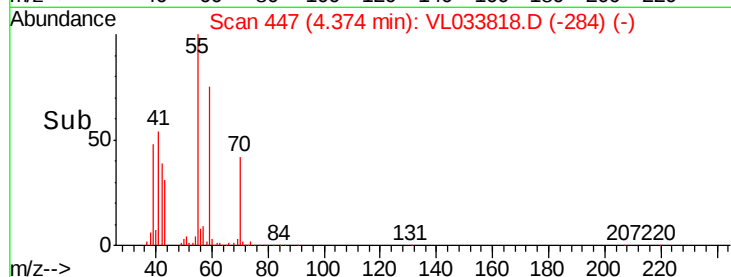
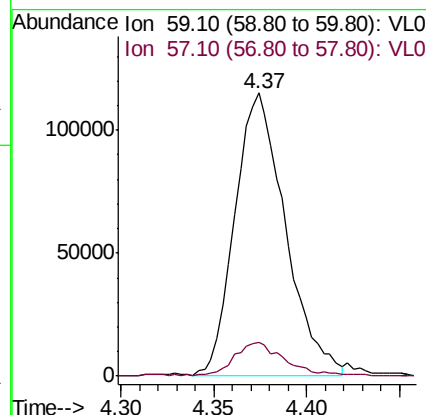
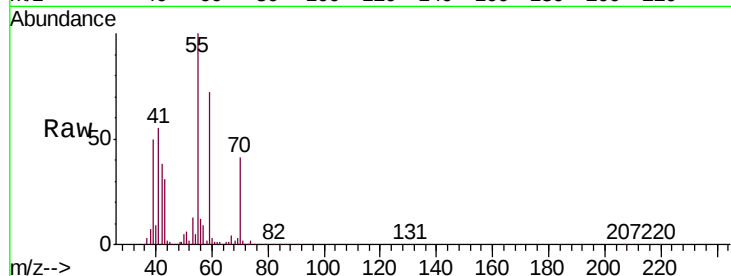


#17

tert-Butyl alcohol
 Concen: 2.294 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.02 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3011-55

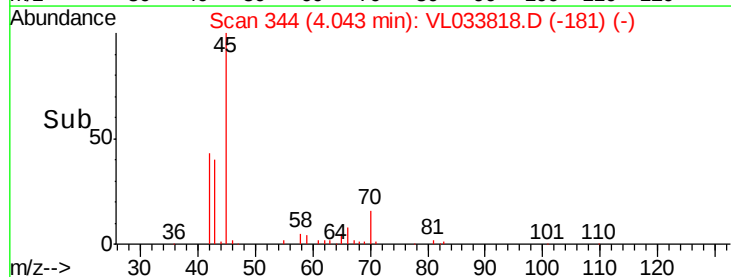
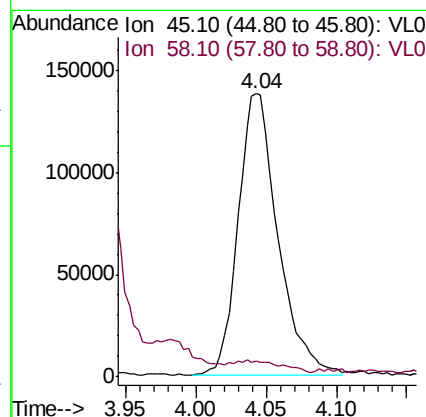
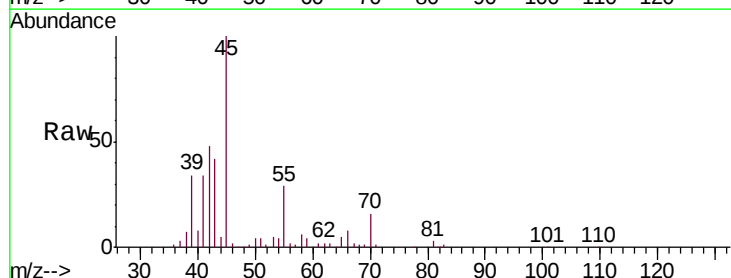
Tgt Ion: 59 Resp: 217450
 Ion Ratio Lower Upper
 59 100
 57 12.9 8.4 12.6#

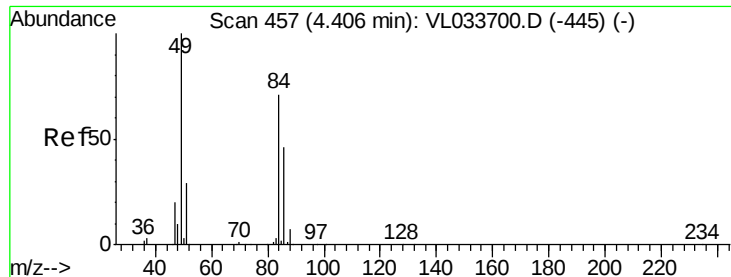


#19

Isopropyl Alcohol
 Concen: 3.598 ppbv
 RT: 4.04 min Scan# 344
 Delta R.T. 0.02 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Tgt Ion: 45 Resp: 271963
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.6 2.4#

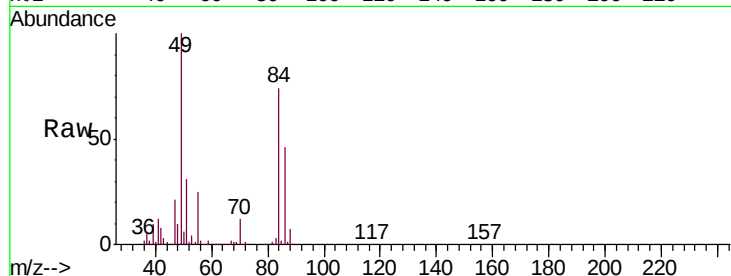




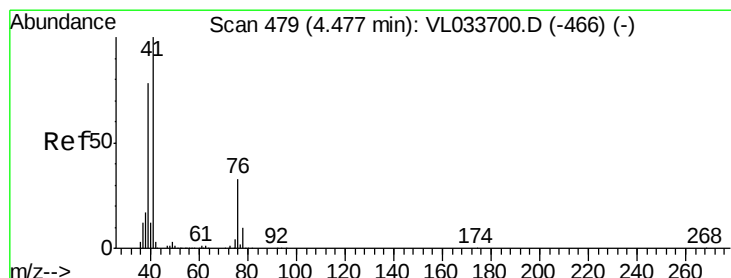
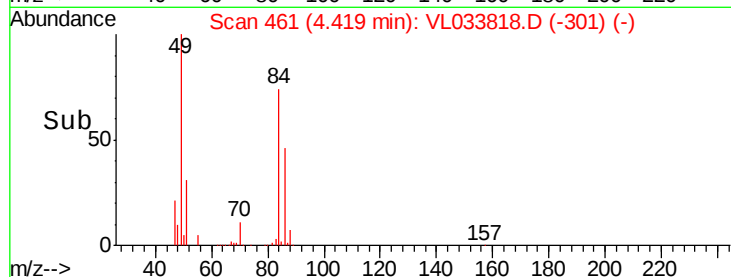
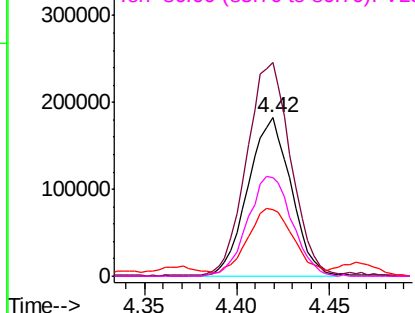
#20
Methylene Chloride
Concen: 6.560 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

Tgt Ion: 84 Resp: 296068
Ion Ratio Lower Upper
84 100
49 134.3 112.8 169.2
51 37.2 33.4 50.0
86 62.5 51.7 77.5

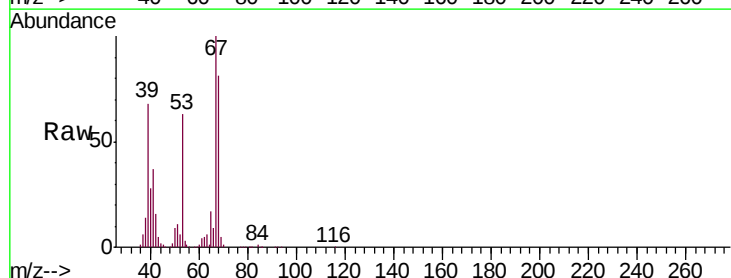


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

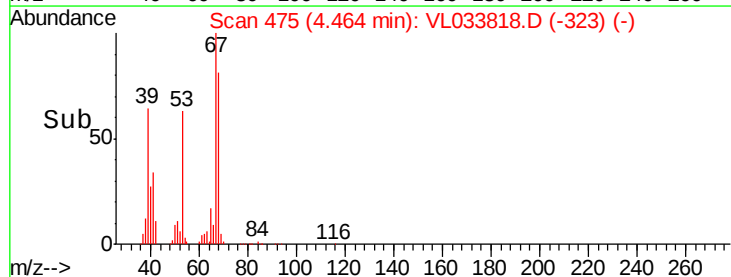
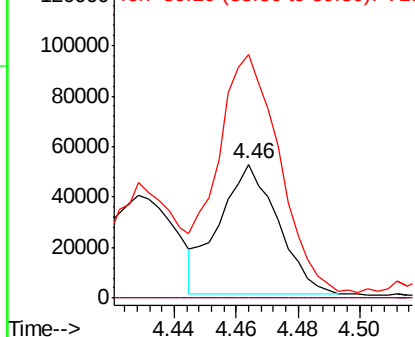


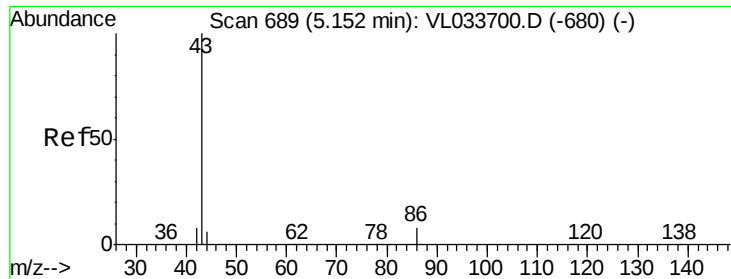
#21
Allyl Chloride
Concen: 0.928 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 41 Resp: 67854
Ion Ratio Lower Upper
41 100
76 0.0 25.9 38.9#
39 283.9 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





#23

Vinyl Acetate

Concen: 0.391 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

Tgt Ion: 43 Resp: 60456

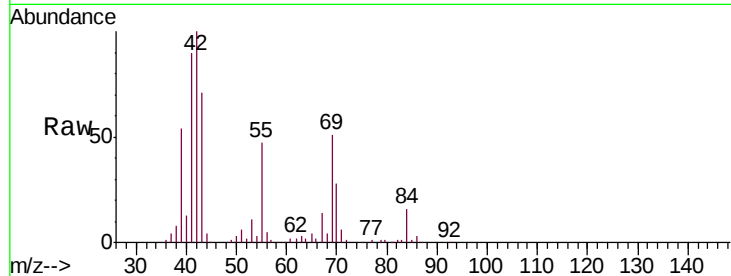
Ion Ratio Lower Upper

43 100

86 4.2 6.0 9.0#

42 146.4 7.5 11.3#

44 4.2 4.4 6.6#

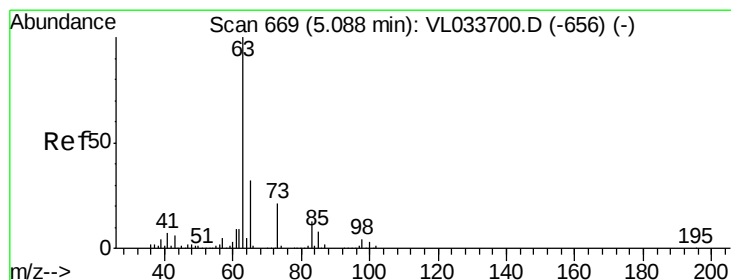
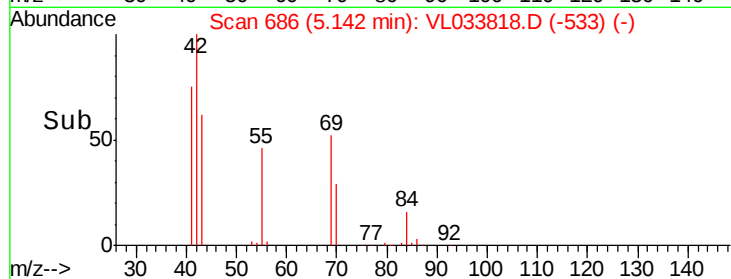
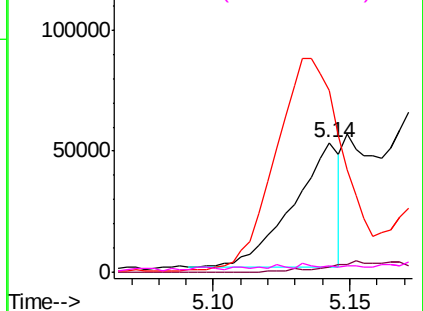


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.021 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.04 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

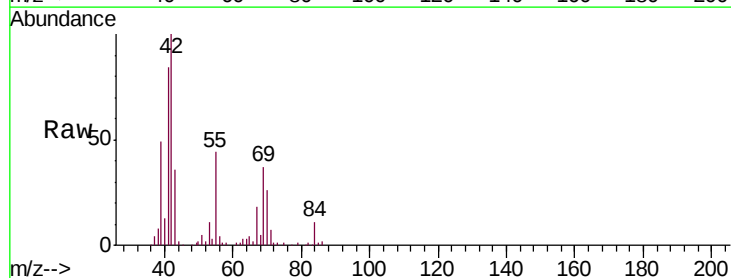
Tgt Ion: 63 Resp: 2499

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

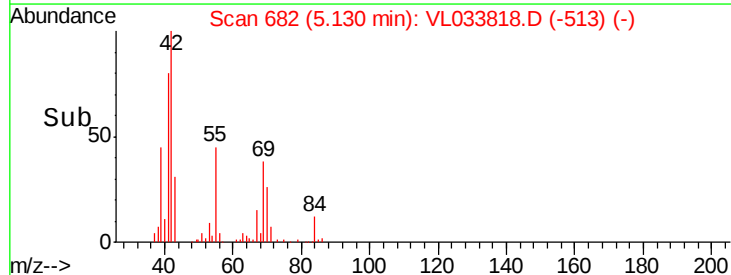
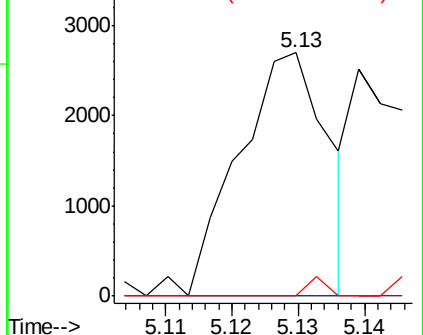
100 0.0 1.4 4.2#

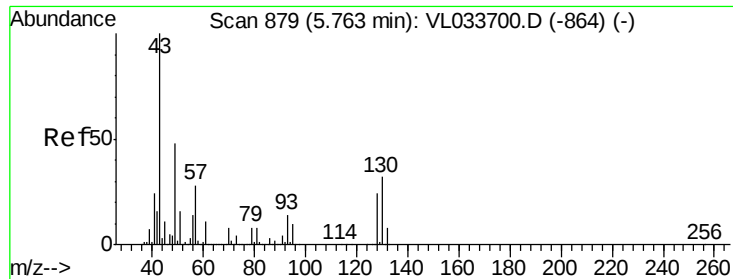


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

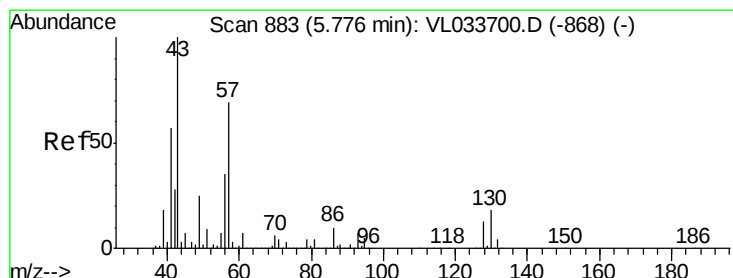
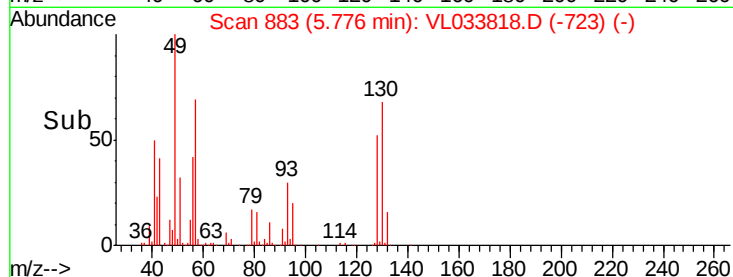
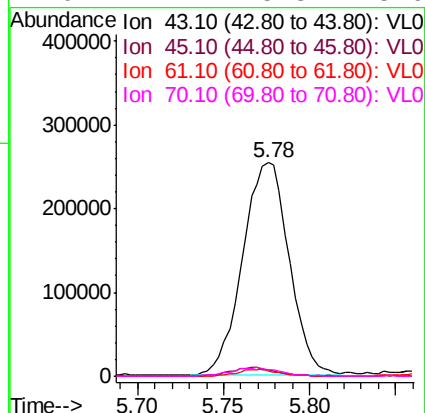
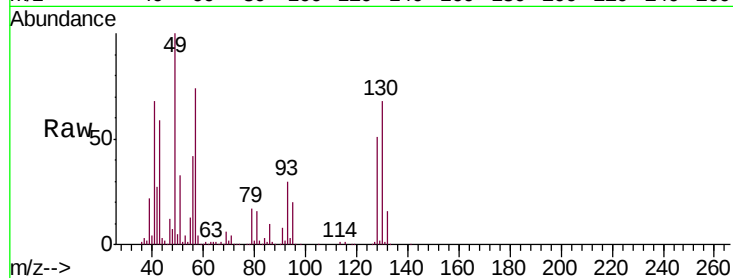




#25
Ethyl Acetate
Concen: 2.309 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

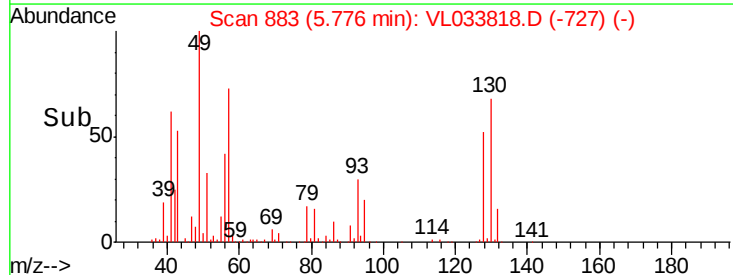
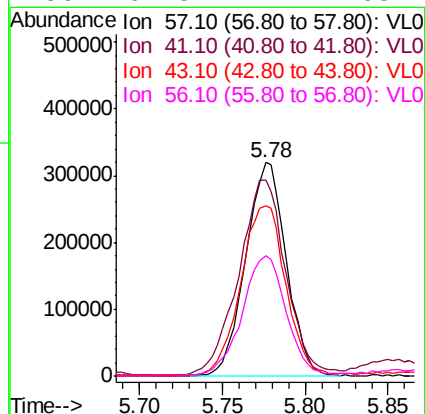
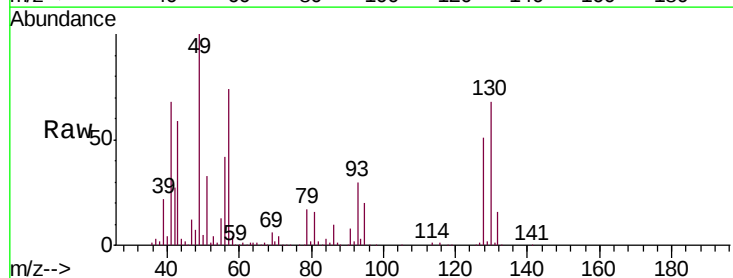
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

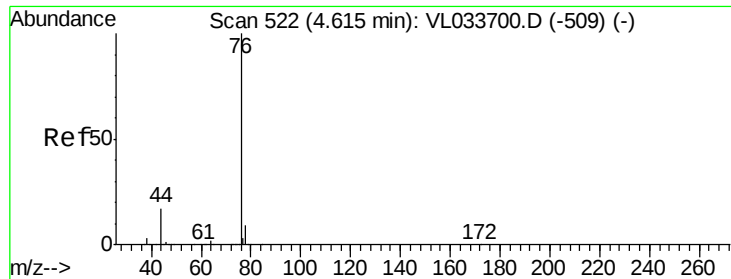
Tgt Ion:	43	Resp:	475511
Ion	Ratio	Lower	Upper
43	100		
45	4.2	7.9	11.9#
61	3.0	7.7	11.5#
70	4.4	5.8	8.6#



#26
Hexane
Concen: 6.129 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion:	57	Resp:	542566
Ion	Ratio	Lower	Upper
57	100		
41	107.5	69.8	104.6#
43	88.2	181.8	272.6#
56	61.5	42.1	63.1





#27

Carbon Disulfide

Concen: 1.806 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

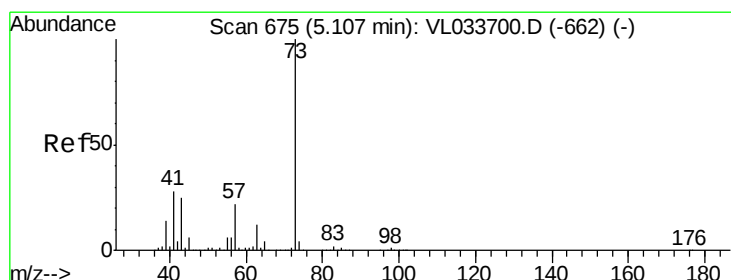
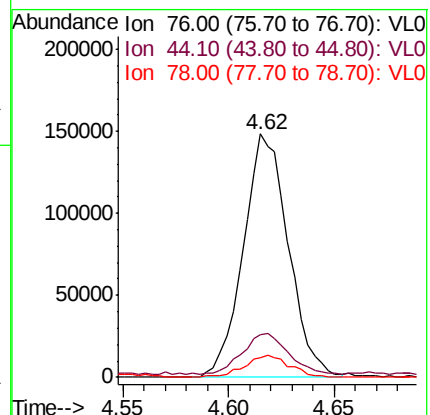
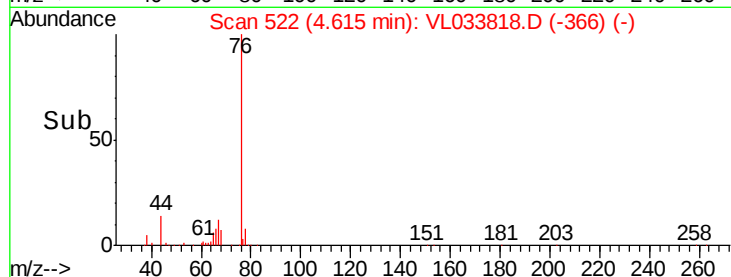
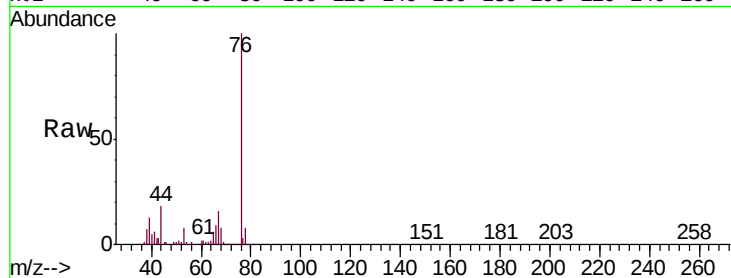
Tgt Ion: 76 Resp: 219361

Ion Ratio Lower Upper

76 100

44 18.8 13.8 20.8

78 9.7 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 0.014 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033818.D

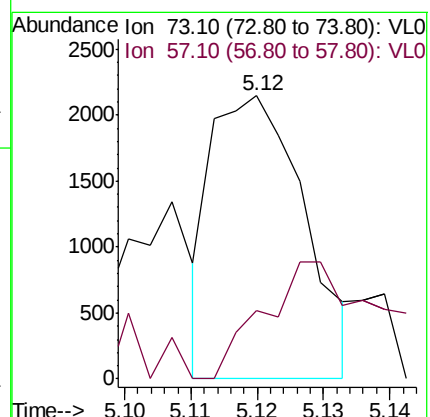
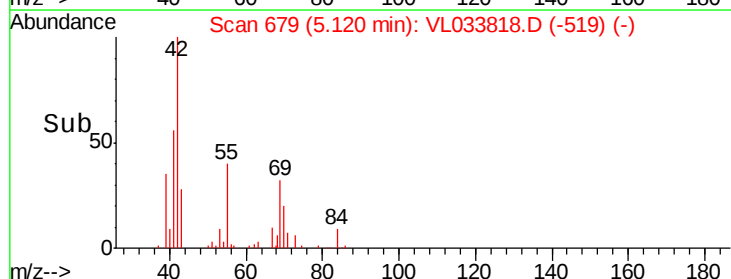
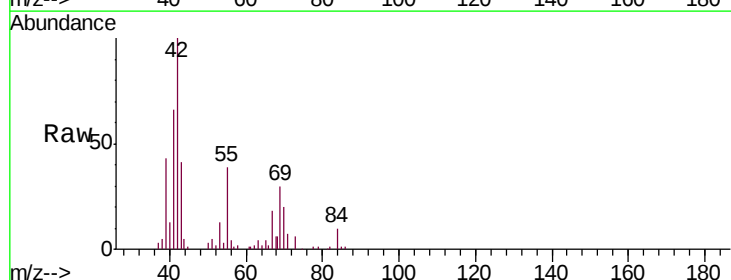
Acq: 29 May 2019 1:13

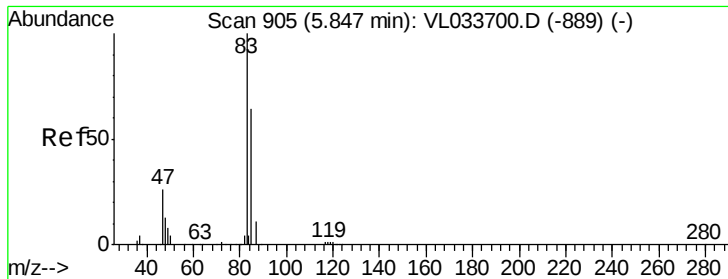
Tgt Ion: 73 Resp: 2085

Ion Ratio Lower Upper

73 100

57 0.0 17.4 26.2#

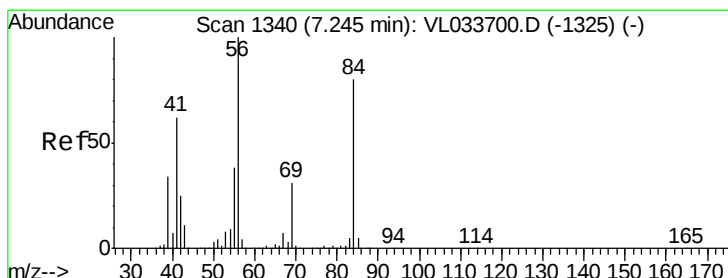
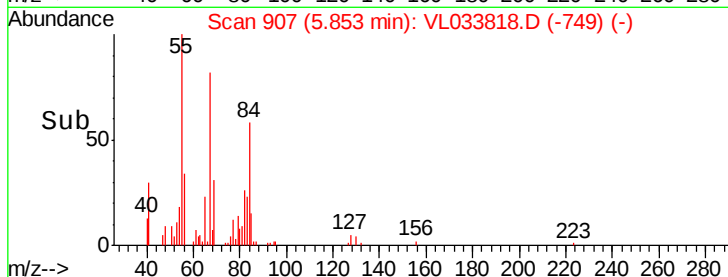
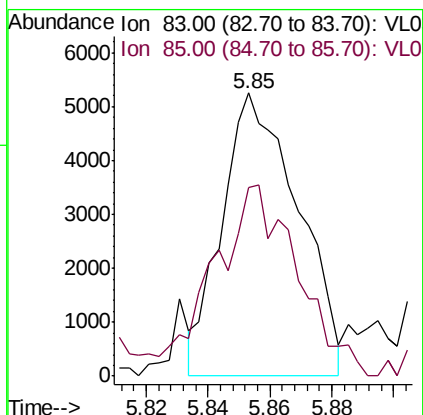
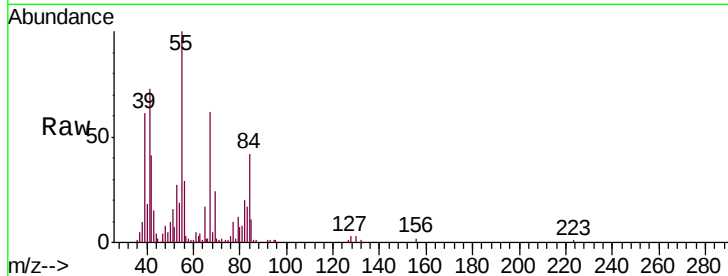




#29
Chloroform
Concen: 0.055 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

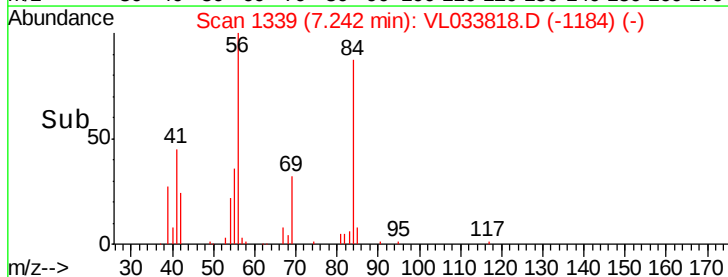
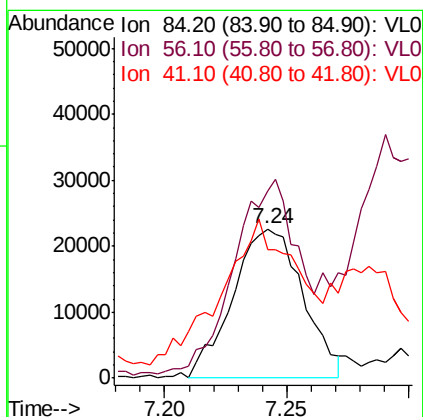
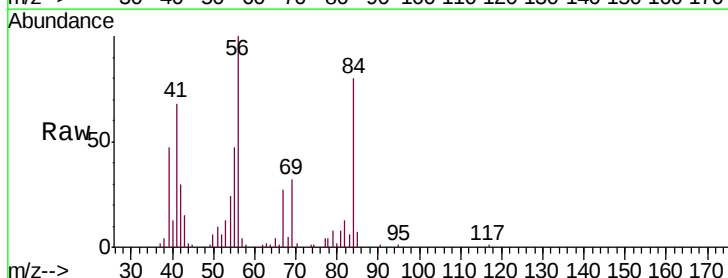
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

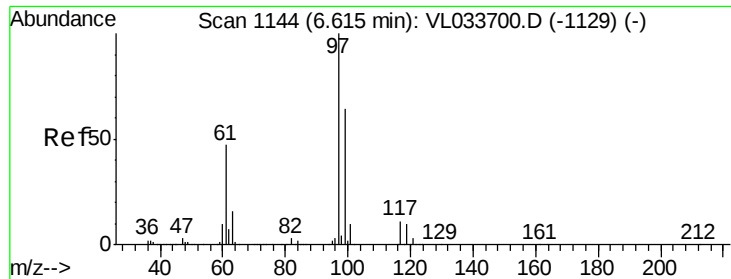
Tgt Ion: 83 Resp: 8971
Ion Ratio Lower Upper
83 100
85 62.8 51.5 77.3



#30
Cyclohexane
Concen: 0.607 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 84 Resp: 45175
Ion Ratio Lower Upper
84 100
56 134.9 107.7 161.5
41 113.7 66.0 99.0#





#32

1,1,1-Trichloroethane

Concen: 0.013 ppbv

RT: 6.63 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

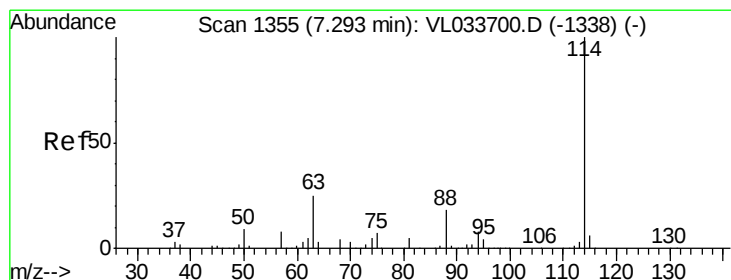
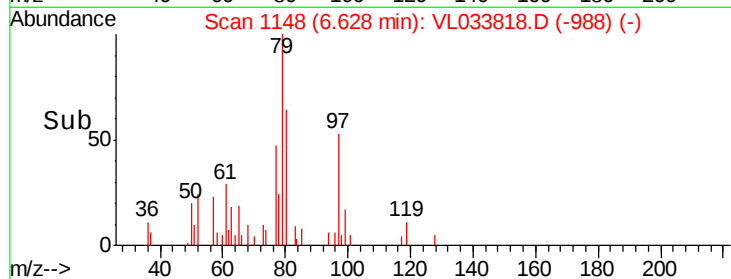
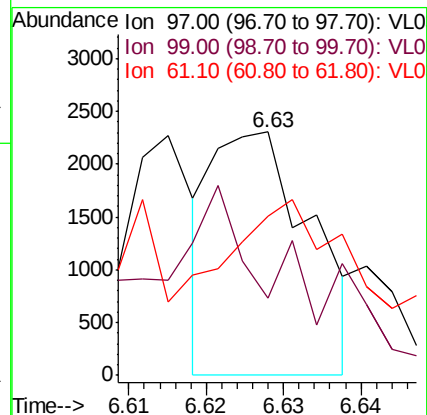
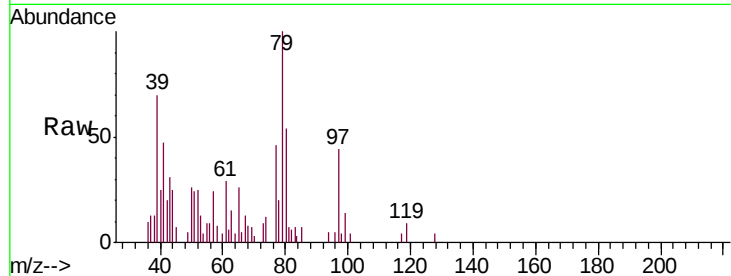
Tgt Ion: 97 Resp: 2039

Ion Ratio Lower Upper

97 100

99 120.1 51.5 77.3#

61 96.7 37.8 56.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

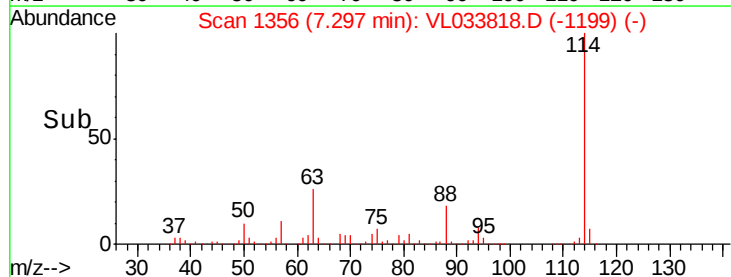
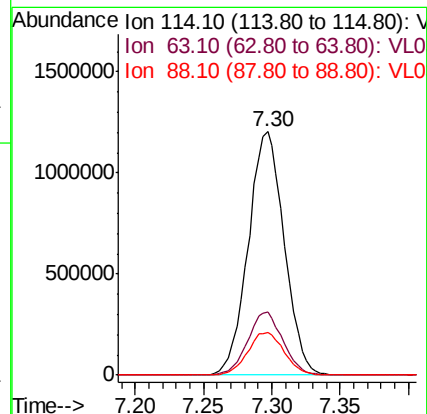
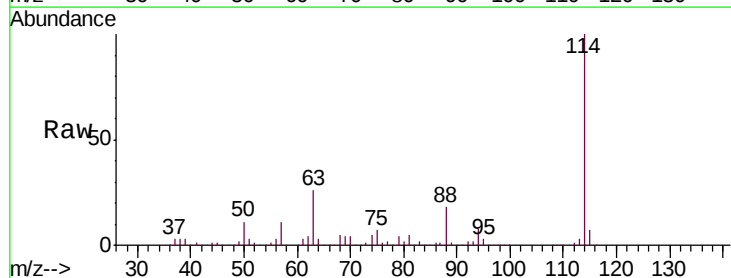
Tgt Ion: 114 Resp: 2199230

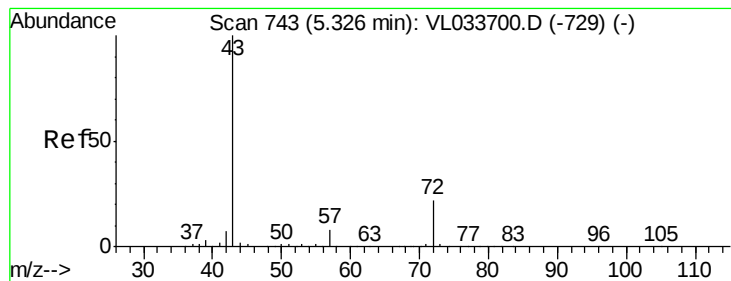
Ion Ratio Lower Upper

114 100

63 25.8 20.9 31.3

88 17.8 14.3 21.5





#34

2-Butanone

Concen: 14.047 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

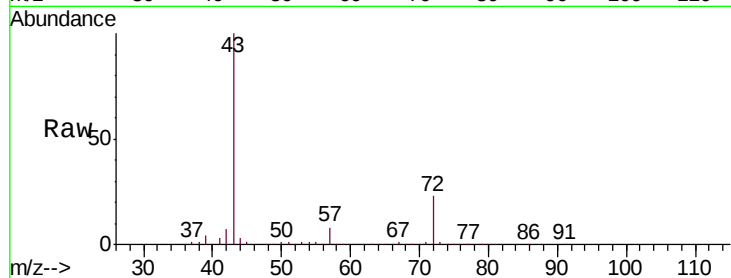
BPS1-SG-3011-55

Tgt Ion: 43 Resp: 1914923

Ion Ratio Lower Upper

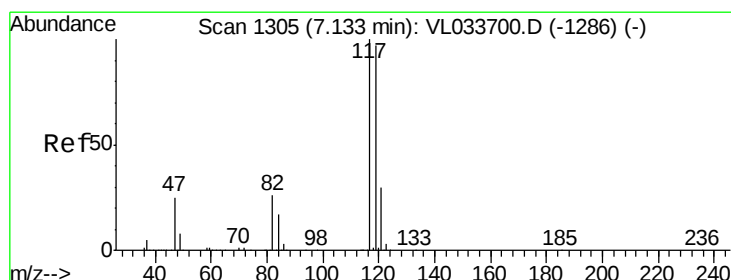
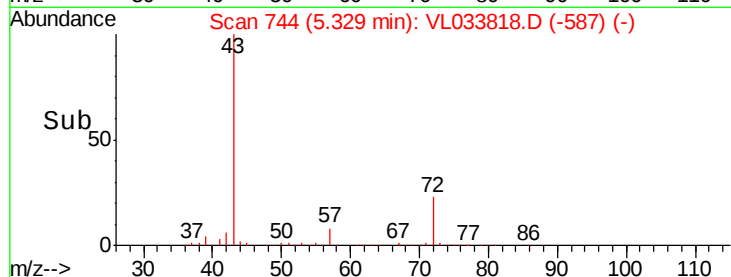
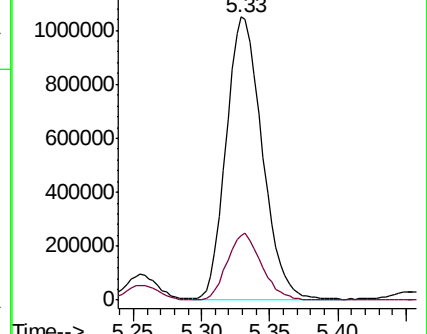
43 100

72 22.7 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.036 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

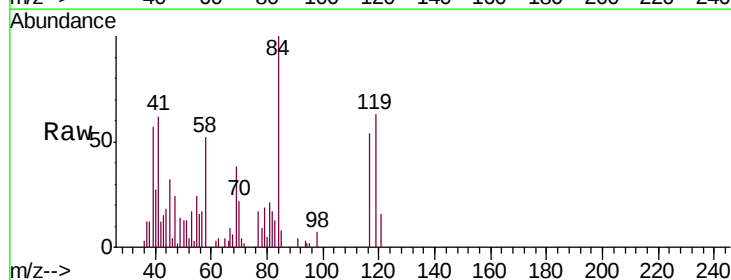
Tgt Ion: 117 Resp: 6357

Ion Ratio Lower Upper

117 100

119 107.9 77.2 115.8

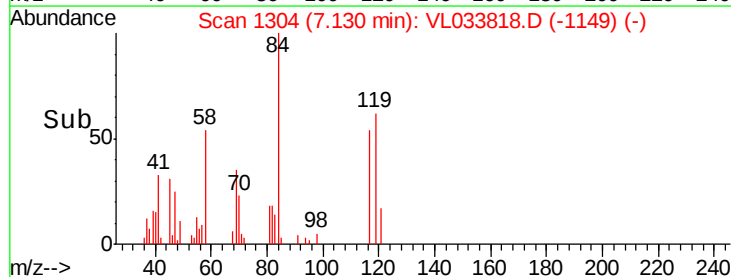
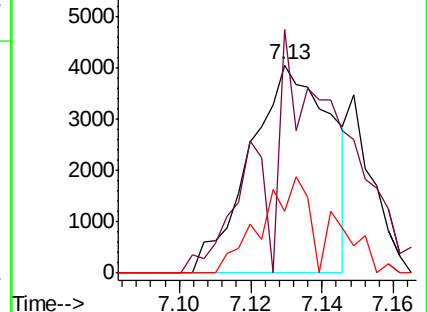
121 29.6 24.1 36.1

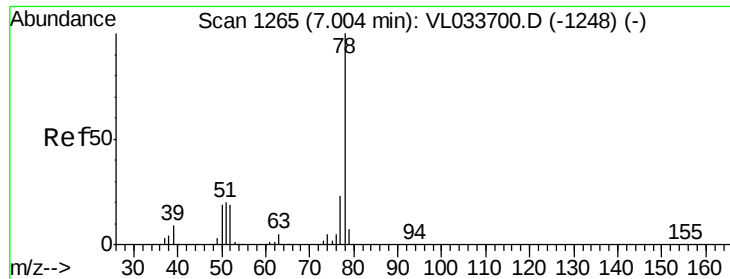


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#36

Benzene

Concen: 2.030 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

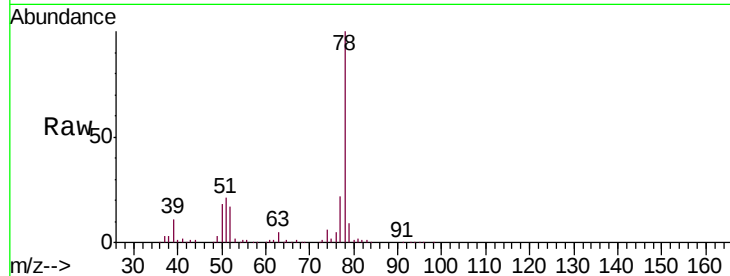
Tgt Ion: 78 Resp: 406146

Ion Ratio Lower Upper

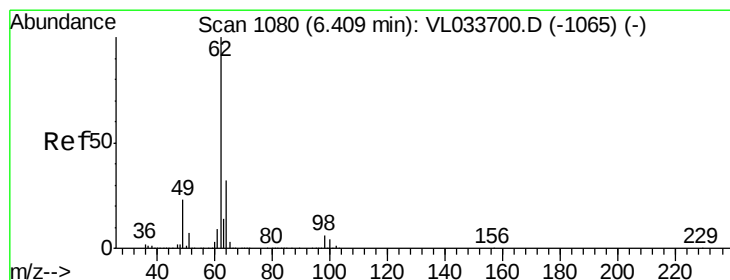
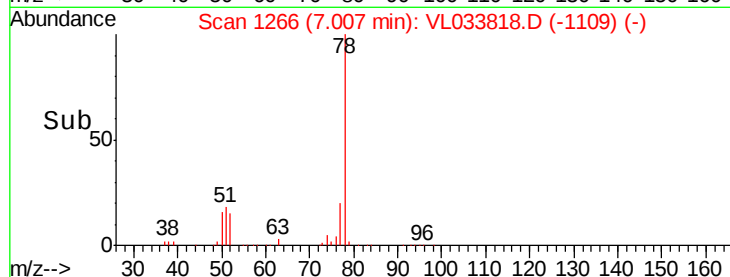
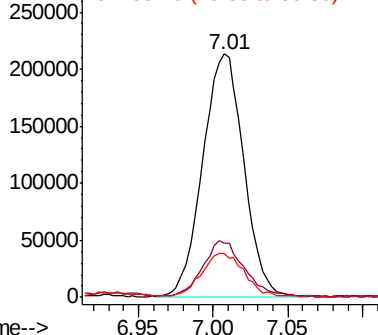
78 100

77 21.4 18.4 27.6

50 17.4 15.5 23.3



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



#37

1,2-Dichloroethane

Concen: 0.019 ppbv

RT: 6.41 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VL033818.D

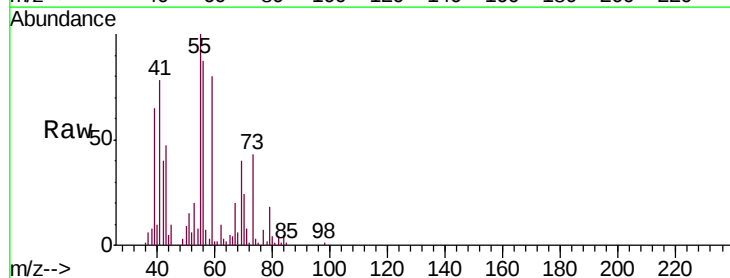
Acq: 29 May 2019 1:13

Tgt Ion: 62 Resp: 2507

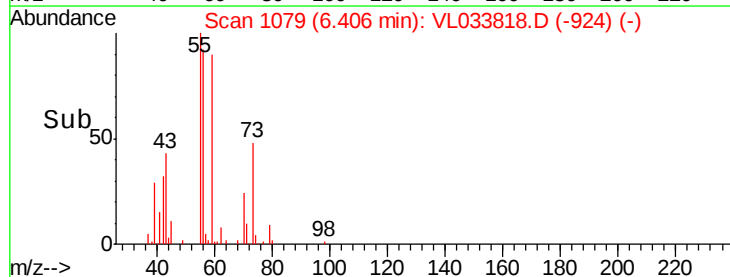
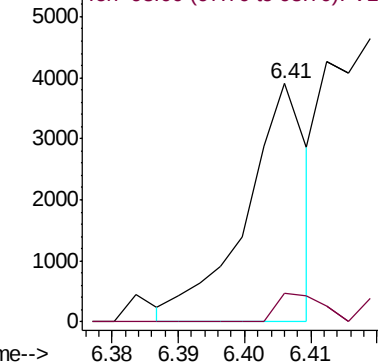
Ion Ratio Lower Upper

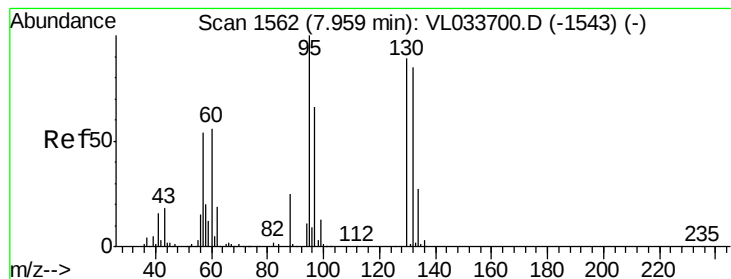
62 100

98 0.0 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.285 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

Tgt Ion:130 Resp: 21126

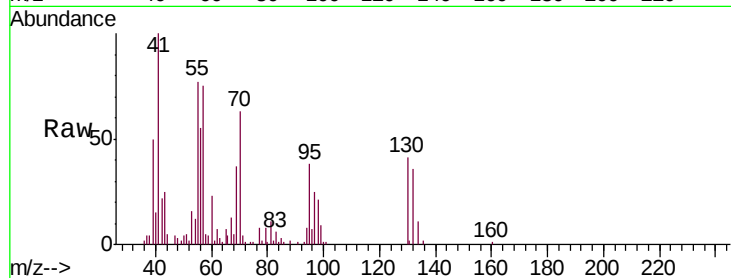
Ion Ratio Lower Upper

130 100

95 81.6 90.2 135.4#

132 79.1 76.4 114.6

97 49.0 59.8 89.6#

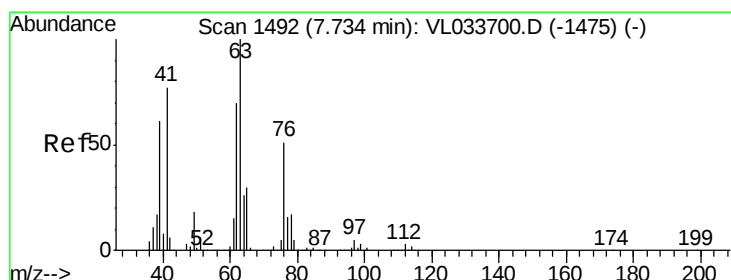
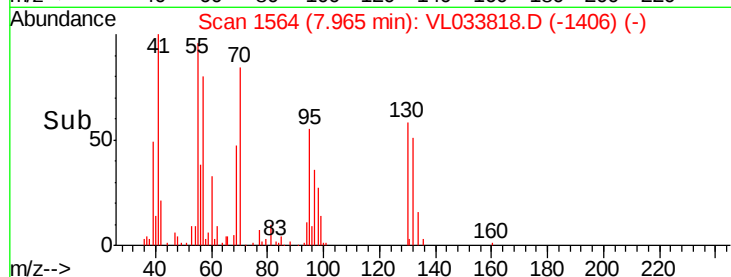
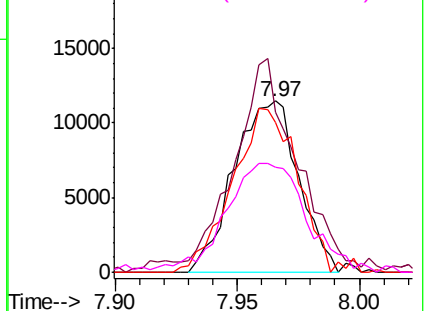


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.454 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.44 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

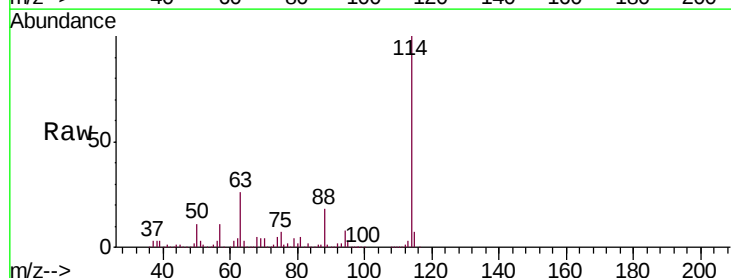
Tgt Ion: 63 Resp: 555964

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

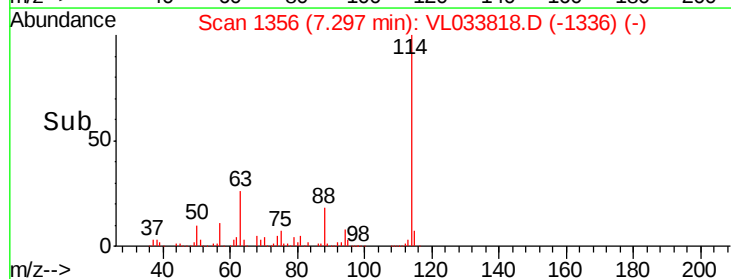
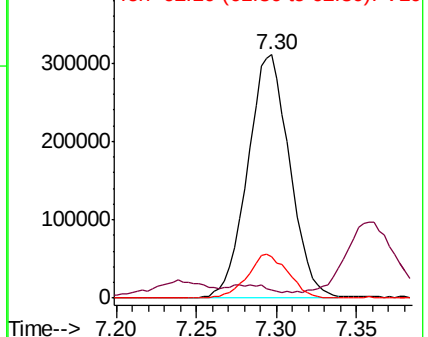
62 16.8 56.2 84.4#

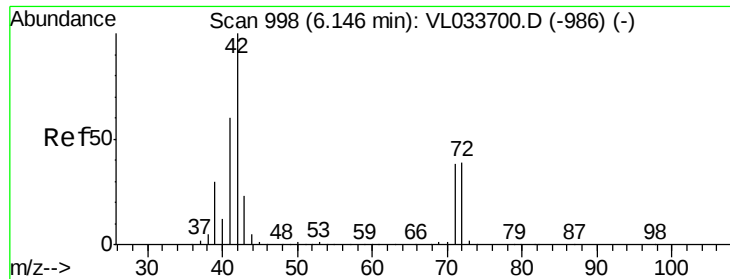


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

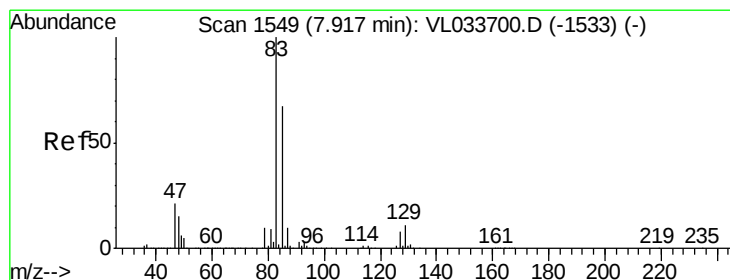
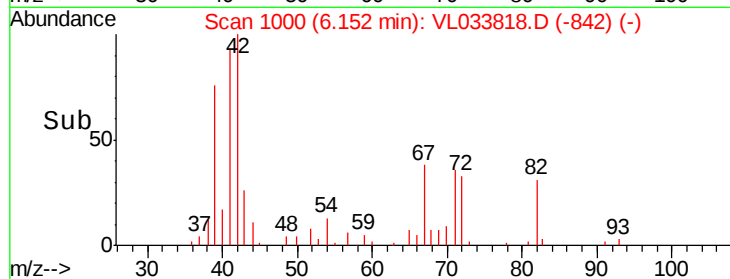
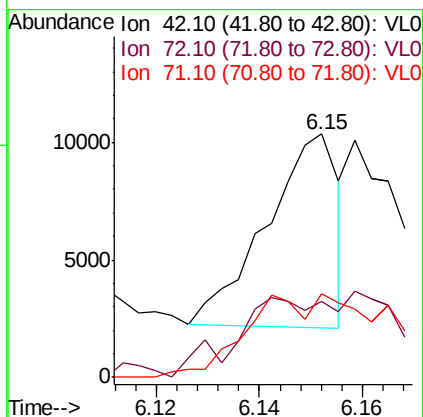
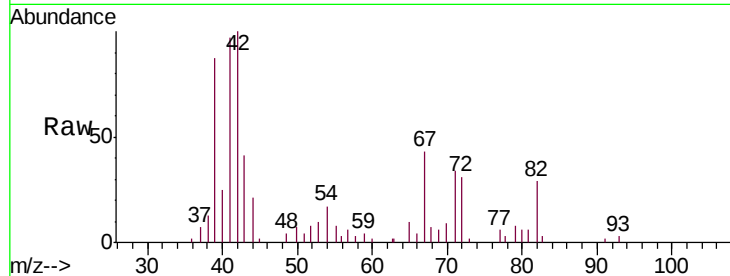




#41
Tetrahydrofuran
Concen: 0.104 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

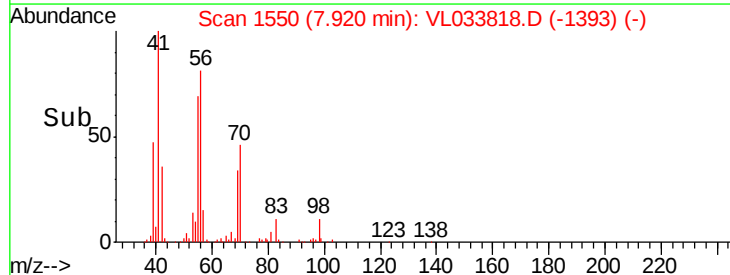
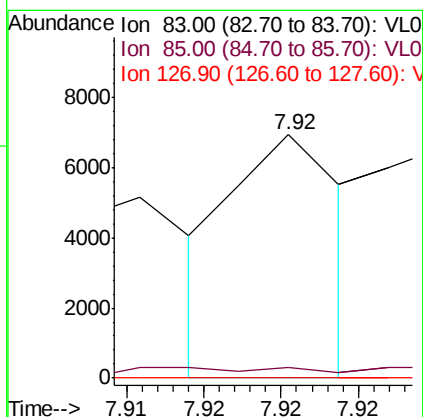
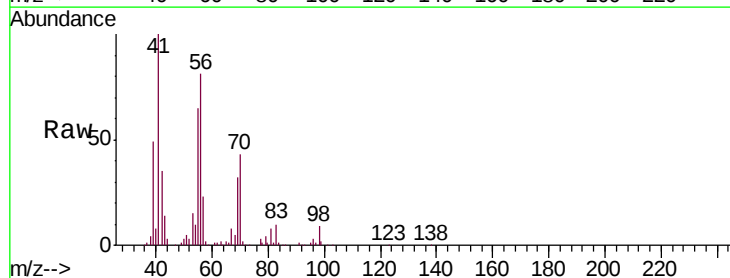
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

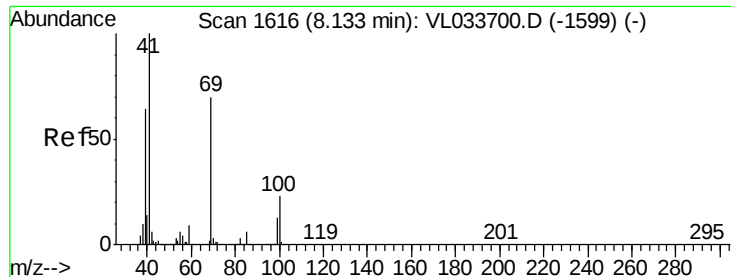
Tgt Ion: 42 Resp: 7961
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 92.9 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.020 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 83 Resp: 3469
Ion Ratio Lower Upper
83 100
85 4.9 53.3 79.9#
127 0.0 6.5 9.7#

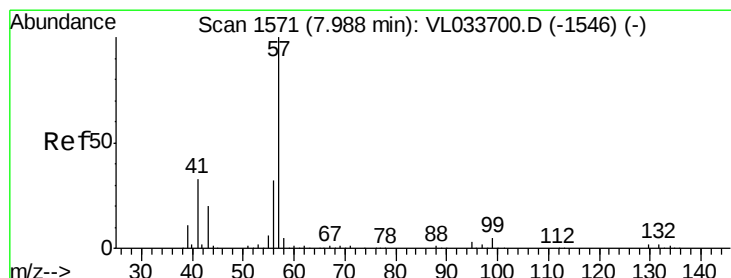
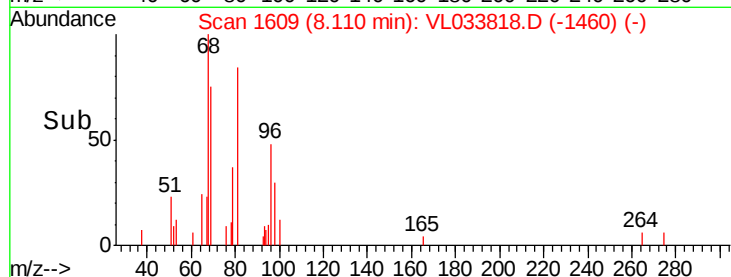
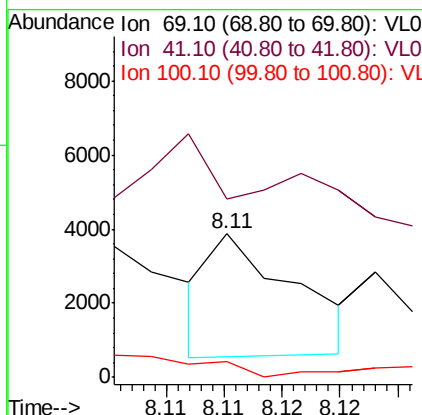
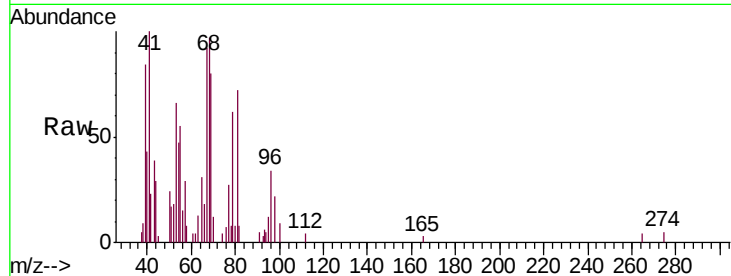




#43
Methyl Methacrylate
Concen: 0.023 ppbv
RT: 8.11 min Scan# 1609
Delta R.T. -0.02 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

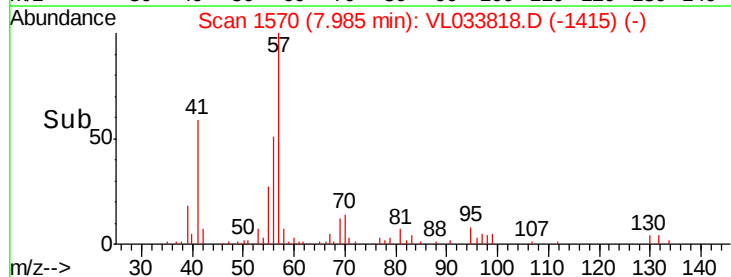
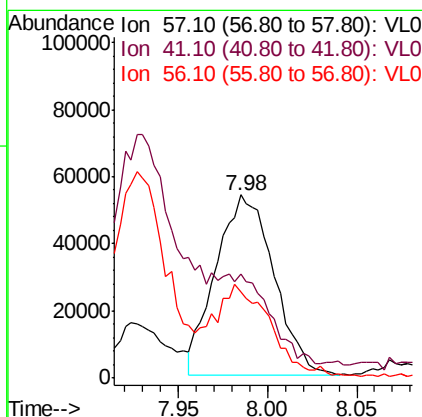
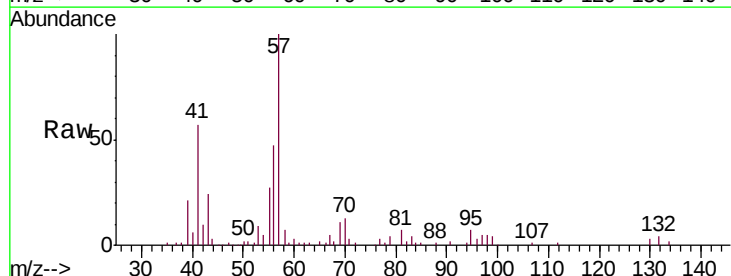
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

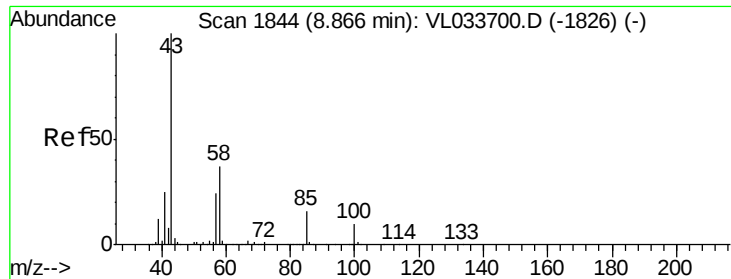
Tgt Ion: 69 Resp: 1679
Ion Ratio Lower Upper
69 100
41 0.0 116.3 174.5#
100 0.0 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 0.360 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 57 Resp: 121721
Ion Ratio Lower Upper
57 100
41 0.0 25.4 38.0#
56 46.7 24.7 37.1#

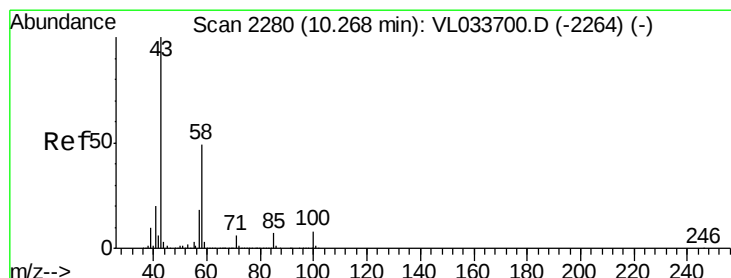
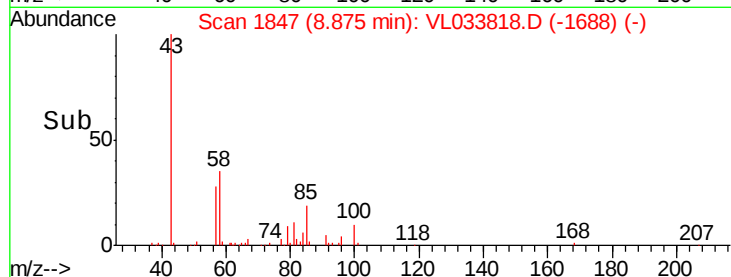
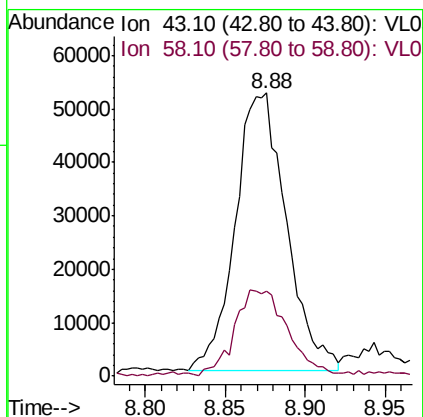
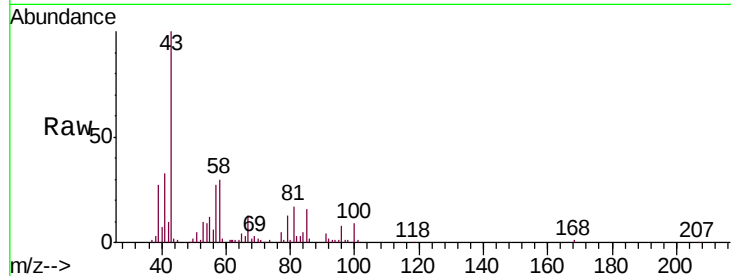




#50
 4-Methyl-2-Pentanone
 Concen: 0.541 ppbv
 RT: 8.88 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

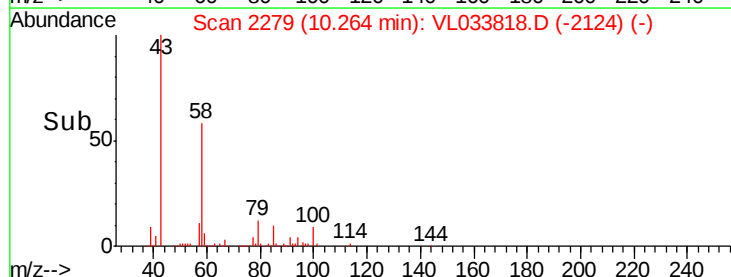
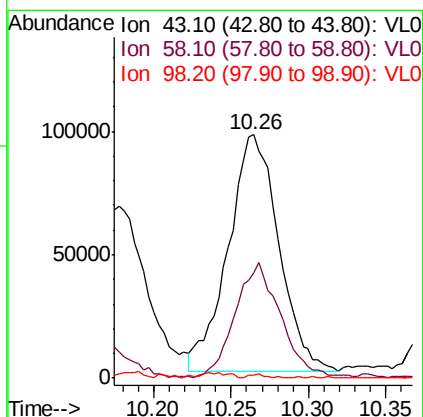
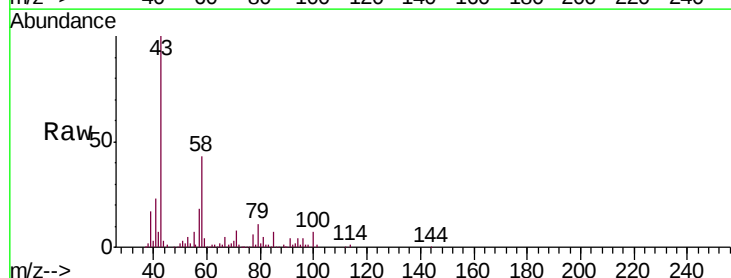
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3011-55

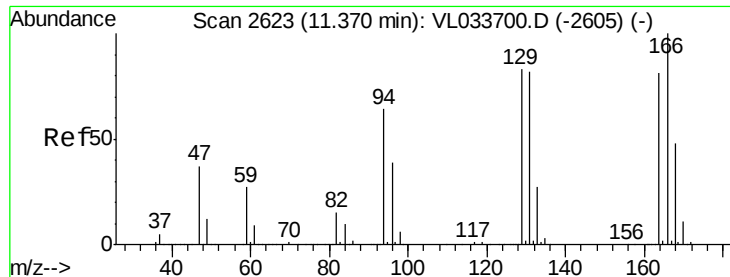
Tgt Ion: 43 Resp: 113369
 Ion Ratio Lower Upper
 43 100
 58 33.4 28.6 43.0



#51
 2-Hexanone
 Concen: 1.336 ppbv
 RT: 10.26 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Tgt Ion: 43 Resp: 218644
 Ion Ratio Lower Upper
 43 100
 58 44.7 38.7 58.1
 98 0.6 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.079 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

Tgt Ion:164 Resp: 5539

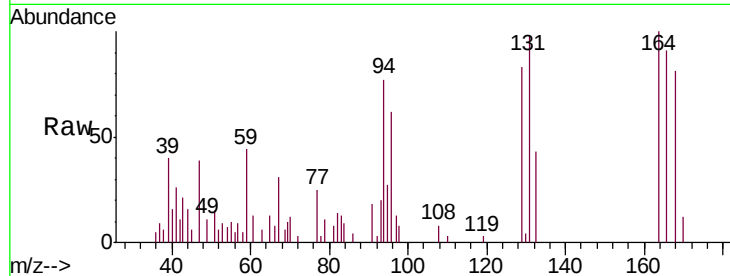
Ion Ratio Lower Upper

164 100

166 77.8 98.9 148.3#

129 73.4 81.8 122.6#

131 91.9 81.1 121.7

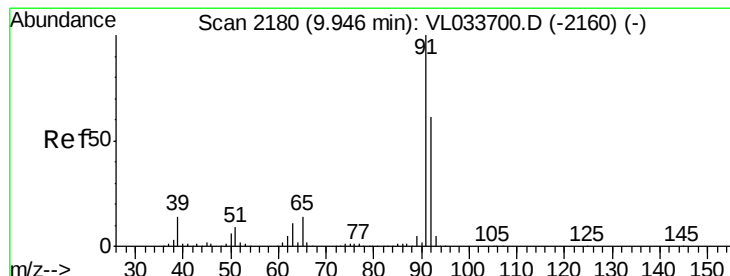
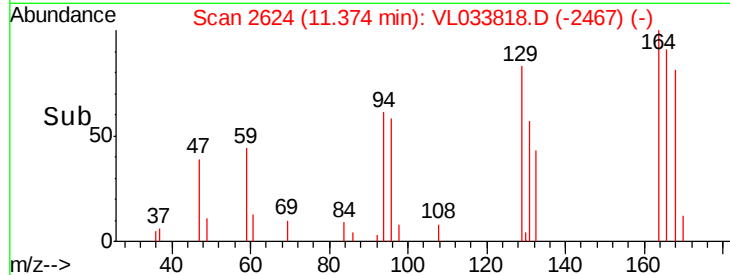
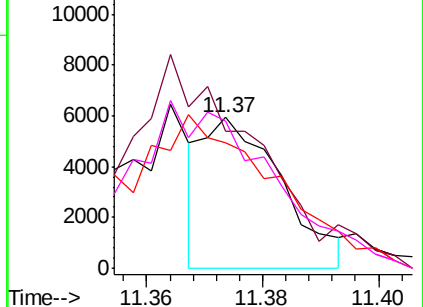


Abundance Ion 163.90 (163.60 to 164.60): V

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: 21.830 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033818.D

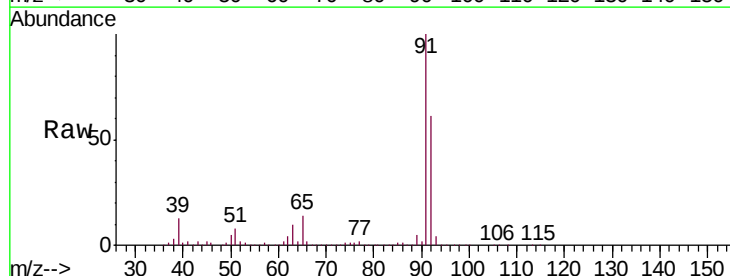
Acq: 29 May 2019 1:13

Tgt Ion: 91 Resp: 4710425

Ion Ratio Lower Upper

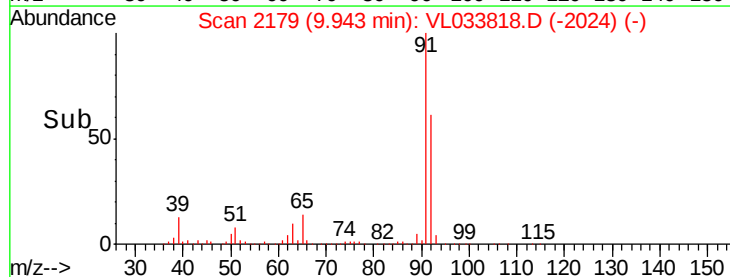
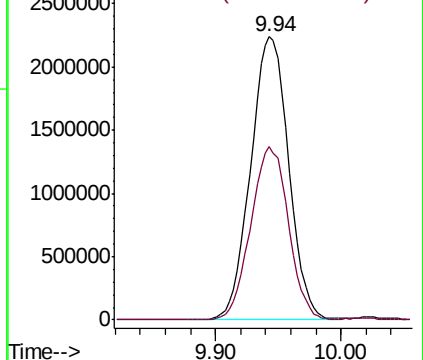
91 100

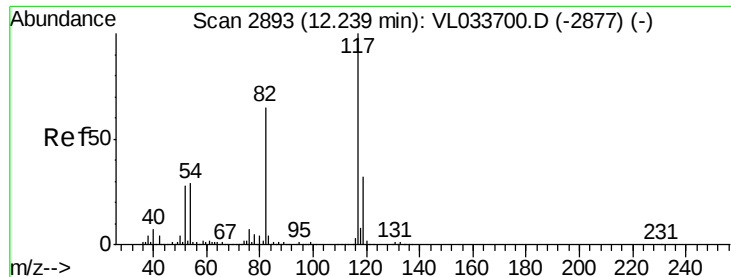
92 60.8 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

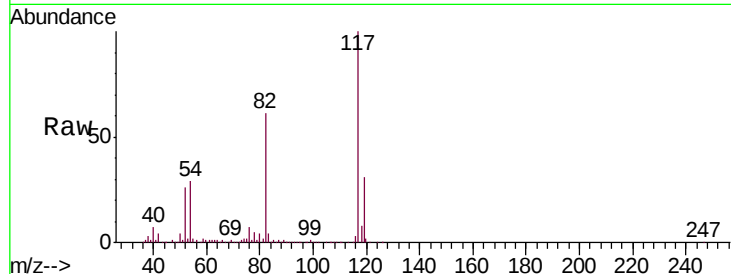




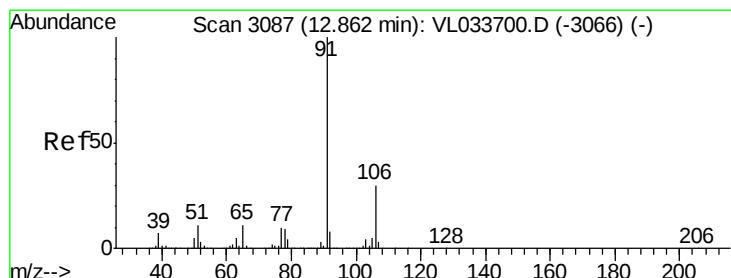
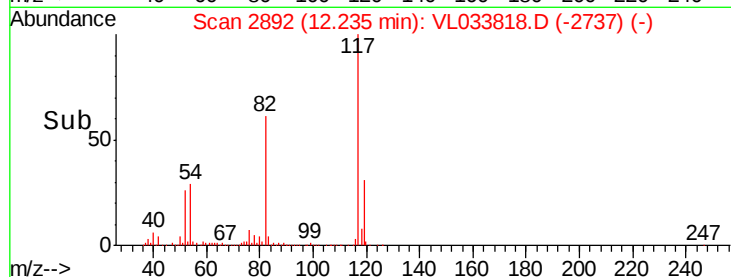
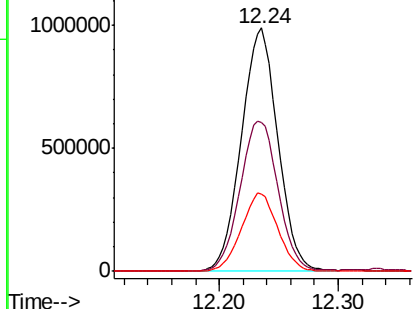
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

Tgt Ion:117 Resp: 2103992
Ion Ratio Lower Upper
117 100
82 64.5 49.4 74.0
119 32.4 24.9 37.3

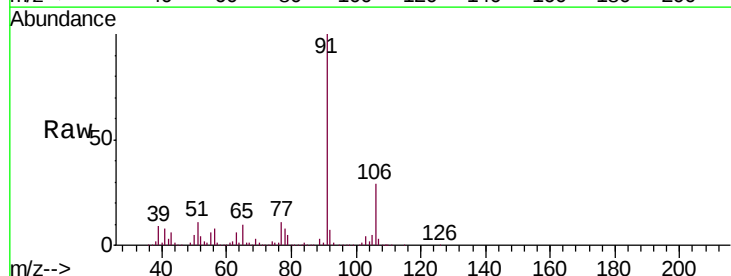


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

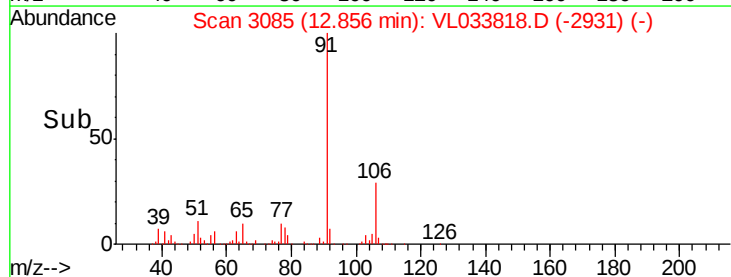
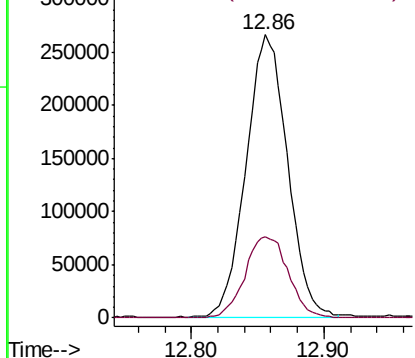


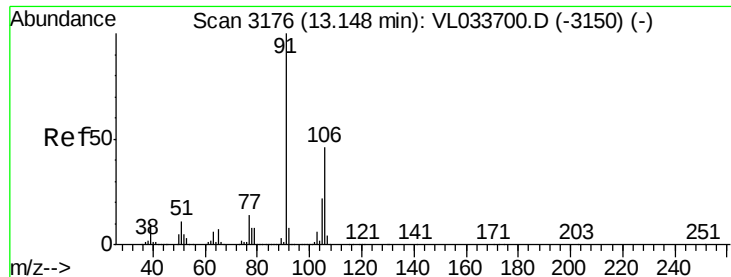
#58
Ethyl Benzene
Concen: 2.067 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 91 Resp: 575916
Ion Ratio Lower Upper
91 100
106 28.8 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

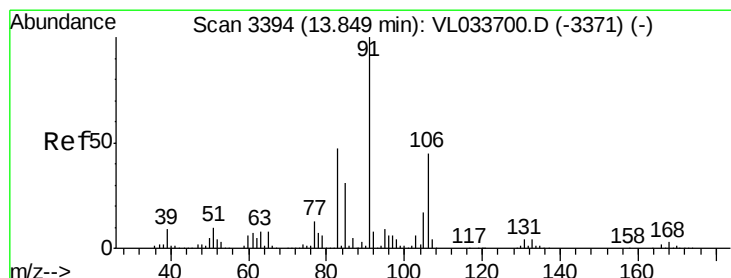
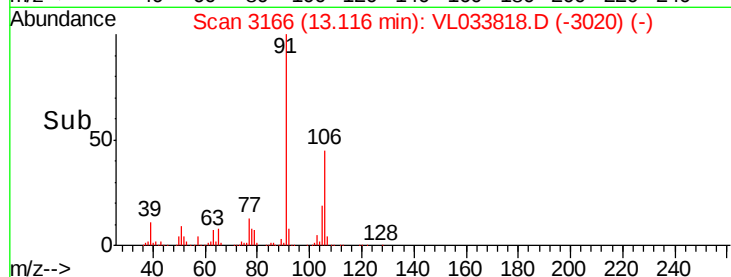
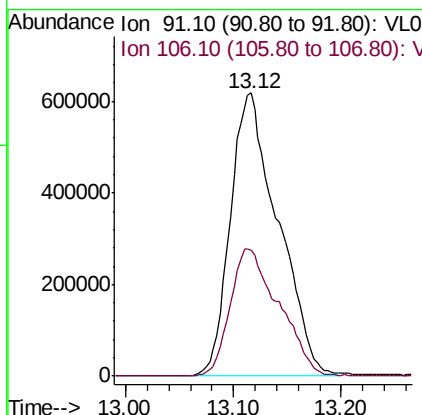
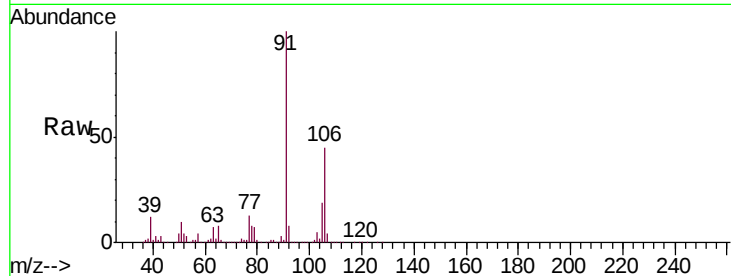




#59
m/p-Xylene
Concen: 7.756 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.03 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

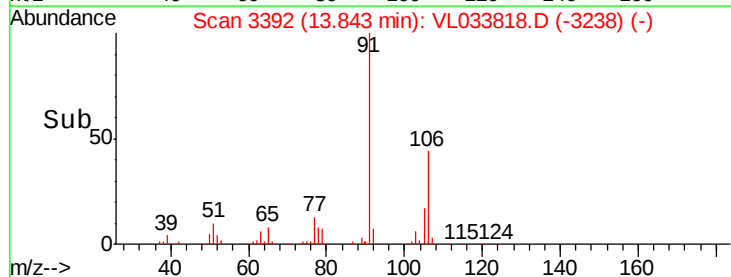
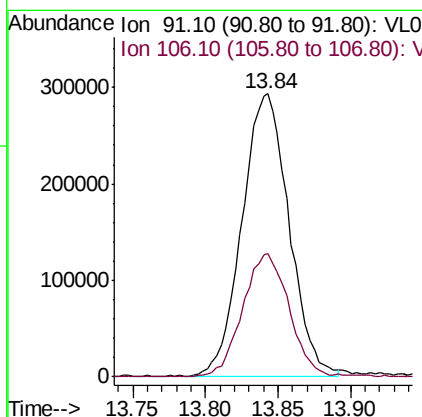
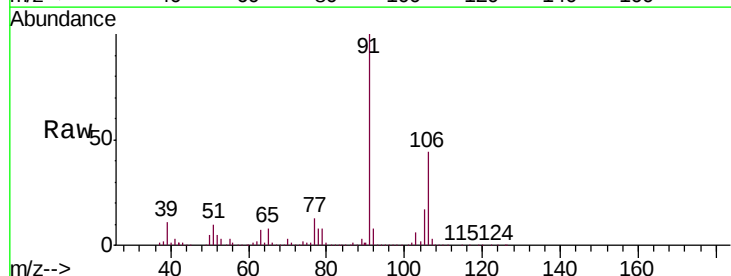
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

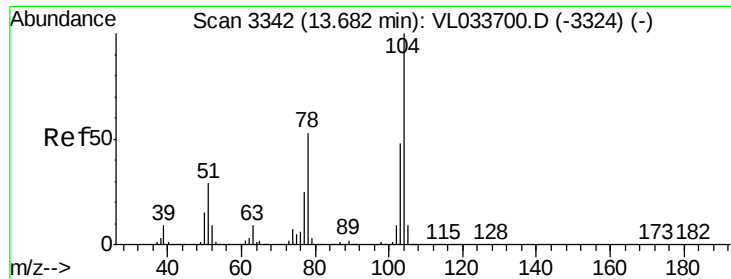
Tgt Ion: 91 Resp: 1889029
Ion Ratio Lower Upper
91 100
106 46.4 35.8 53.6



#60
o-Xylene
Concen: 2.675 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 91 Resp: 656802
Ion Ratio Lower Upper
91 100
106 44.1 21.6 64.8





#61

Styrene

Concen: 0.071 ppbv

RT: 13.69 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

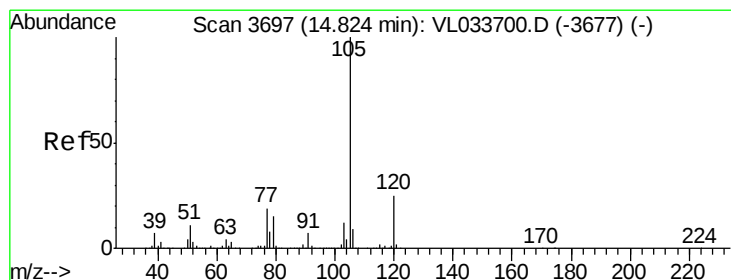
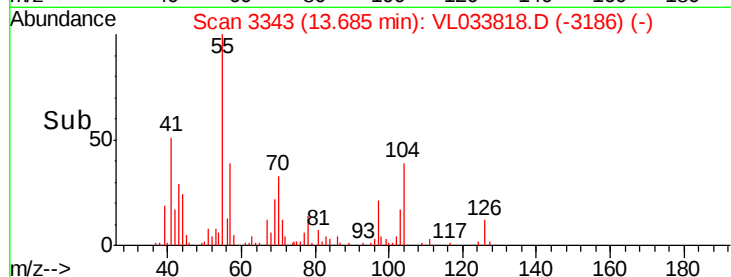
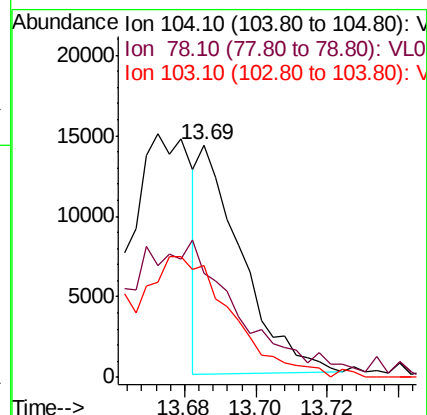
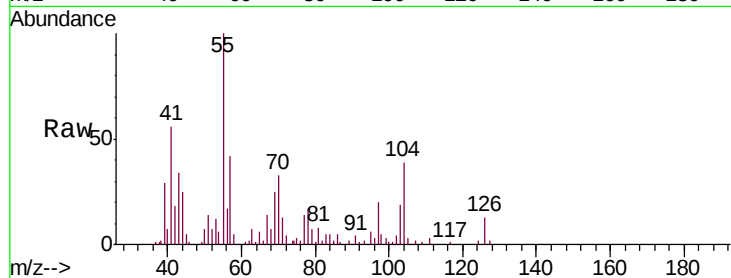
MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

Tgt Ion:104 Resp: 11807

Ion	Ratio	Lower	Upper
104	100		
78	171.6	42.6	64.0#
103	136.5	37.8	56.6#



#62

Isopropylbenzene

Concen: 0.119 ppbv

RT: 14.82 min Scan# 3696

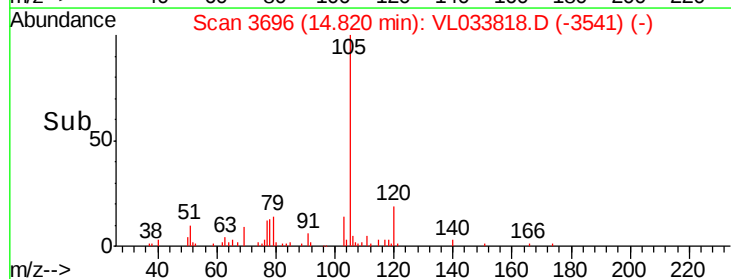
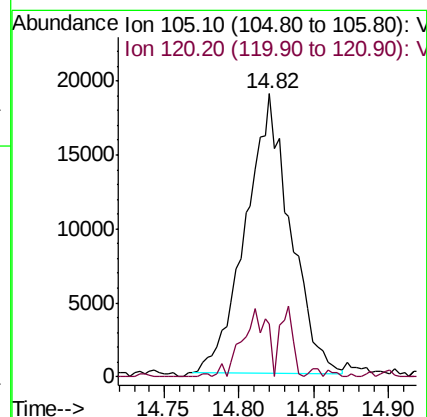
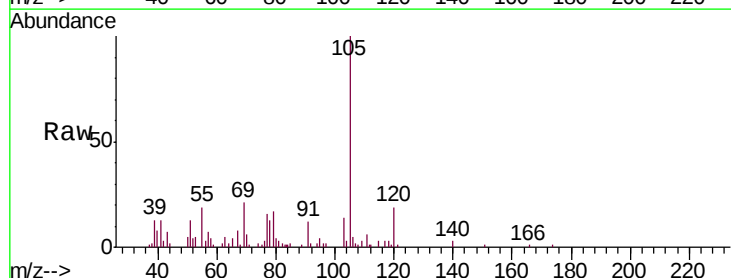
Delta R.T. -0.00 min

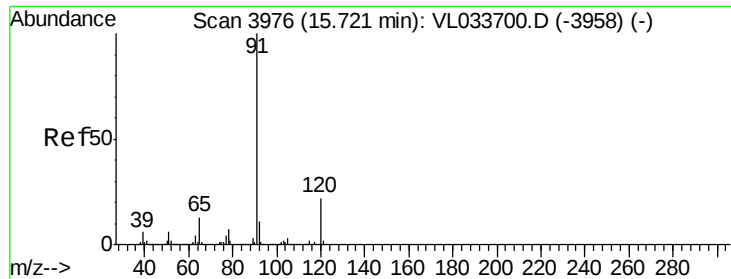
Lab File: VL033818.D

Acq: 29 May 2019 1:13

Tgt Ion:105 Resp: 39217

Ion	Ratio	Lower	Upper
105	100		
120	22.0	20.1	30.1





#64

n-propylbenzene

Concen: 0.467 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

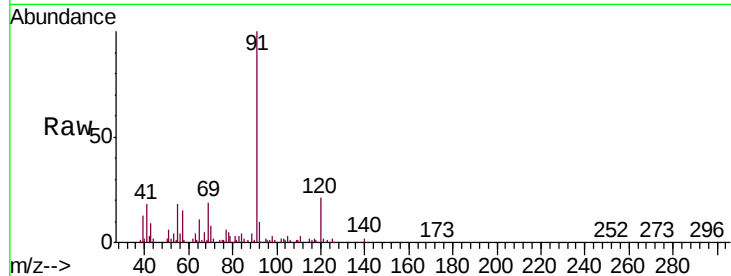
BPS1-SG-3011-55

Tgt Ion:120 Resp: 39924

Ion Ratio Lower Upper

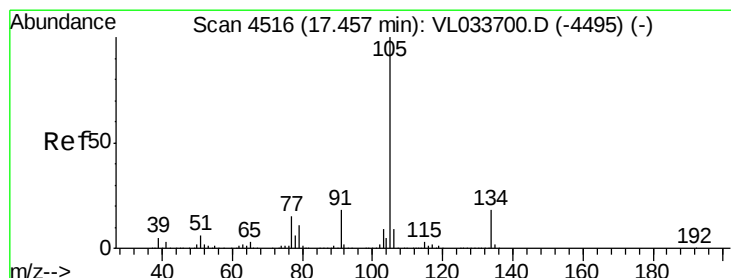
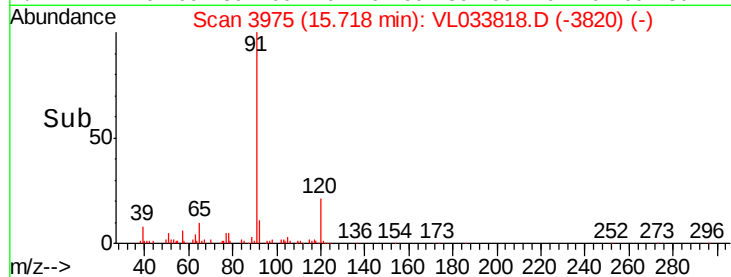
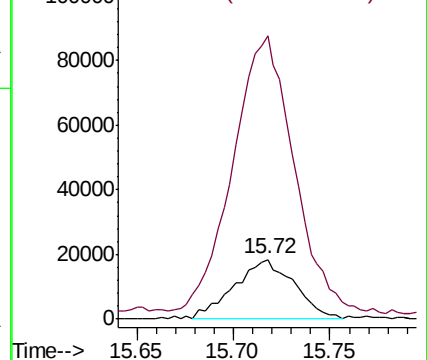
120 100

91 514.2 379.1 568.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#67

sec-Butylbenzene

Concen: 0.017 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL033818.D

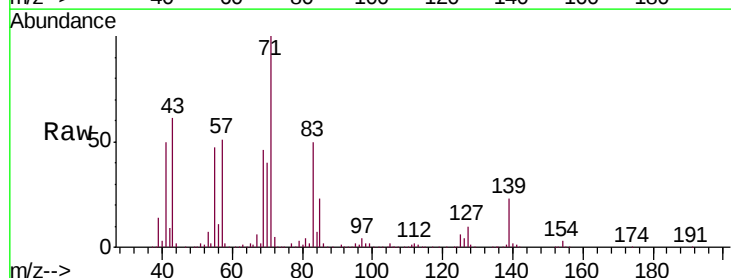
Acq: 29 May 2019 1:13

Tgt Ion:105 Resp: 7312

Ion Ratio Lower Upper

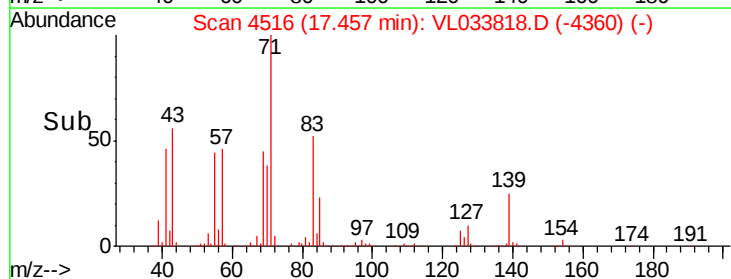
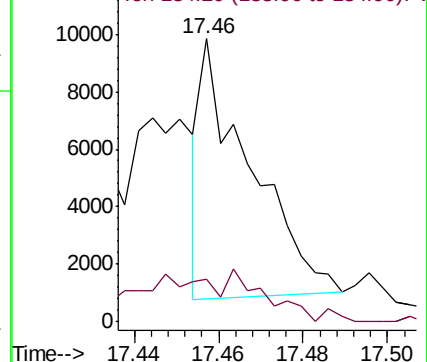
105 100

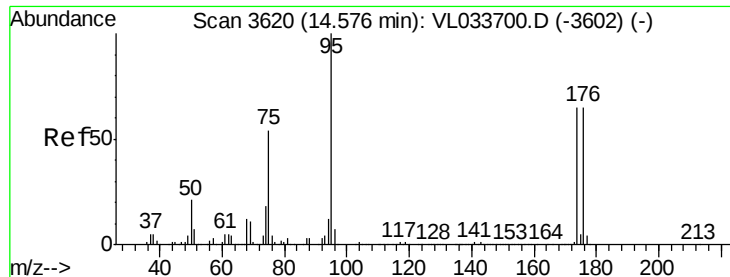
134 52.5 14.6 22.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

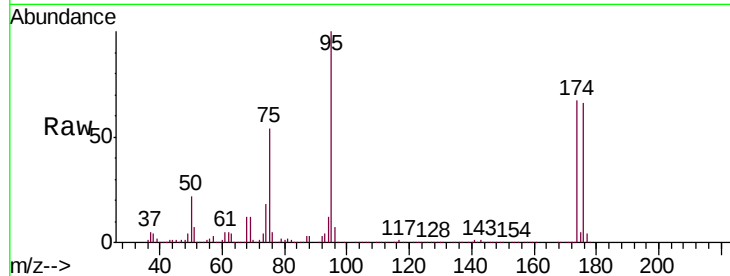




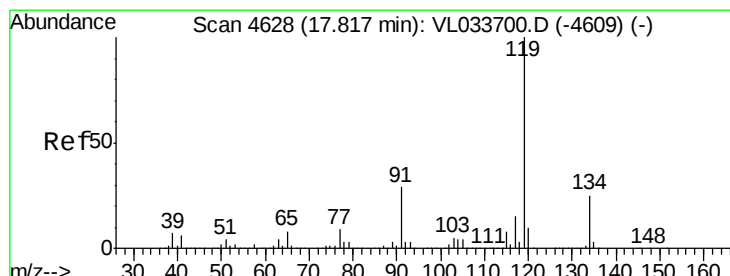
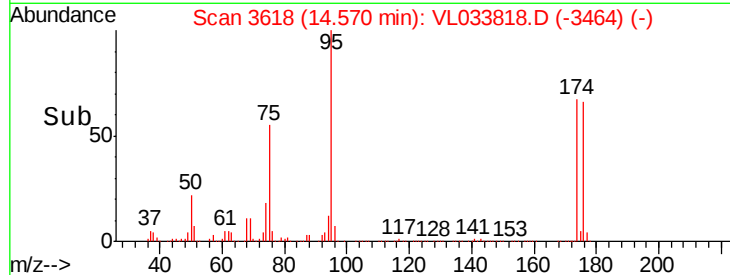
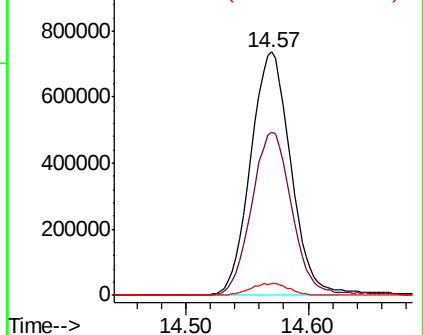
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.789 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3011-55

Tgt Ion: 95 Resp: 1669609
 Ion Ratio Lower Upper
 95 100
 174 68.6 53.9 80.9
 175 4.9 3.8 5.8

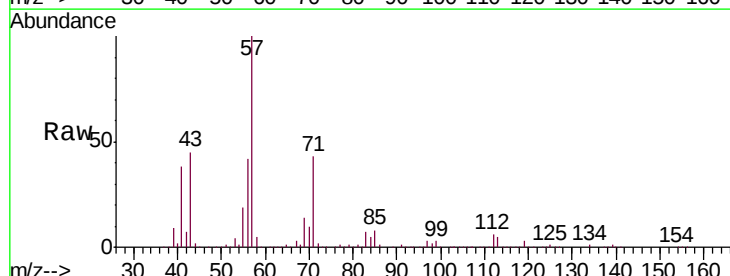


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

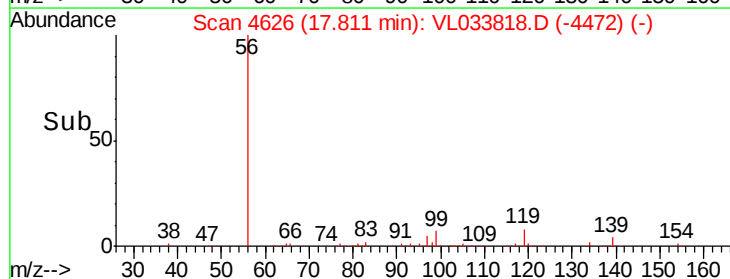
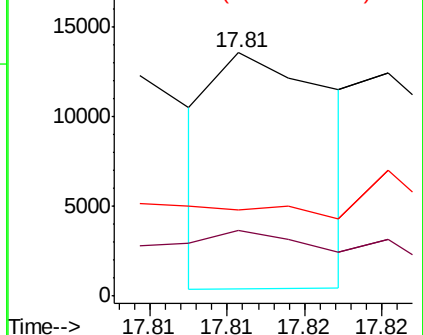


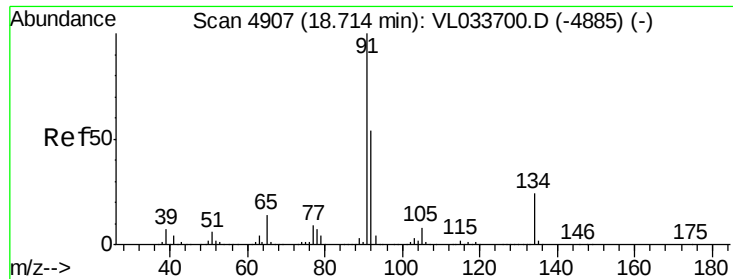
#69
 p-Isopropyltoluene
 Concen: 0.020 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Tgt Ion: 119 Resp: 6937
 Ion Ratio Lower Upper
 119 100
 134 111.5 20.3 30.5#
 91 0.0 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): VL0

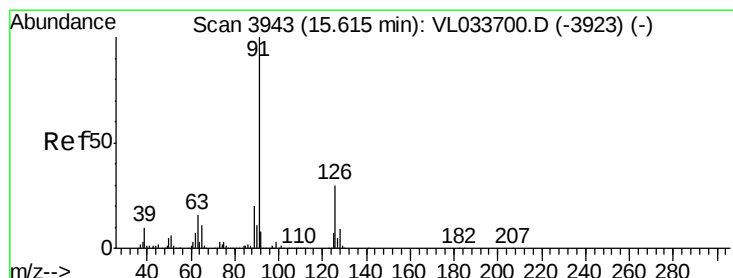
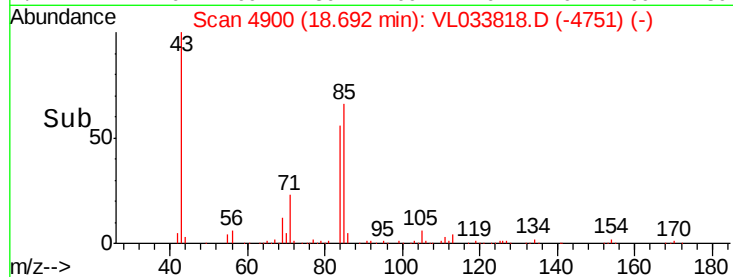
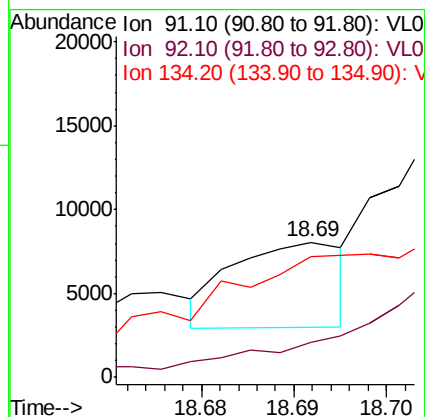
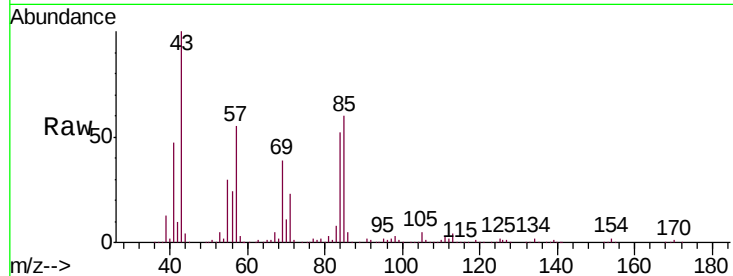




#70
n-Butylbenzene
Concen: 0.011 ppbv
RT: 18.69 min Scan# 4900
Delta R.T. -0.02 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

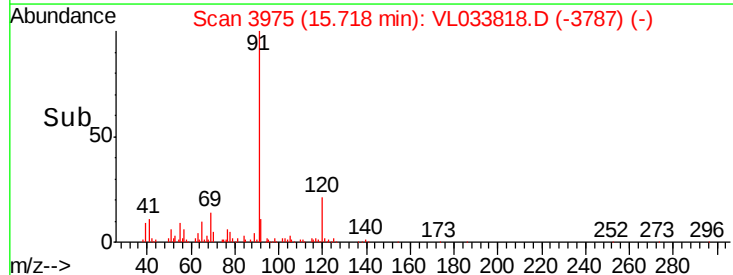
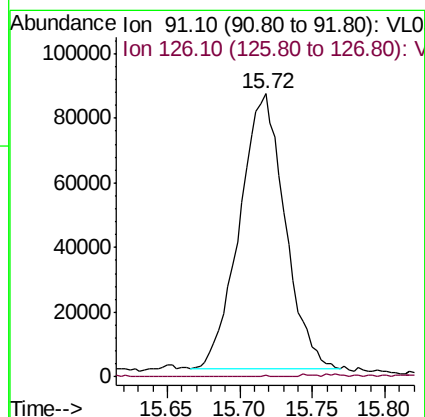
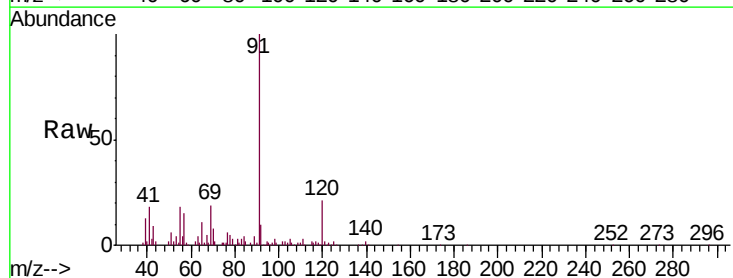
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-55

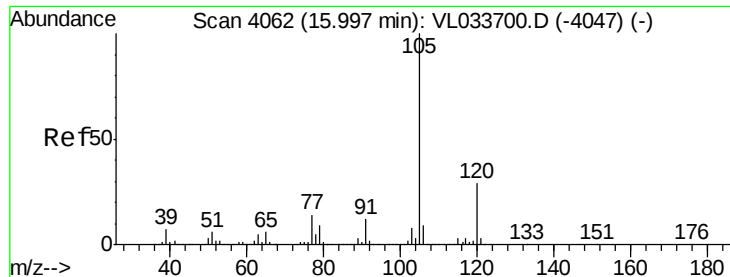
Tgt Ion: 91 Resp: 4295
Ion Ratio Lower Upper
91 100
92 0.0 42.6 63.8#
134 0.0 18.1 27.1#



#71
2-Chlorotoluene
Concen: 0.759 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. 0.10 min
Lab File: VL033818.D
Acq: 29 May 2019 1:13

Tgt Ion: 91 Resp: 186196
Ion Ratio Lower Upper
91 100
126 0.9 12.0 47.8#

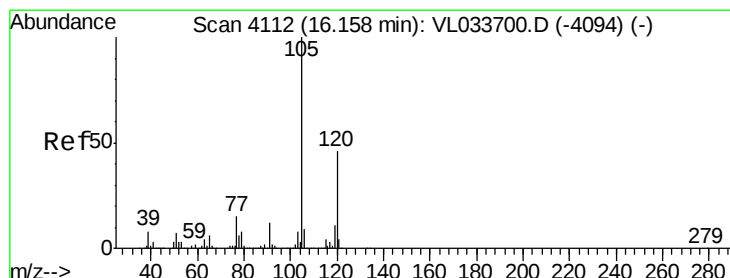
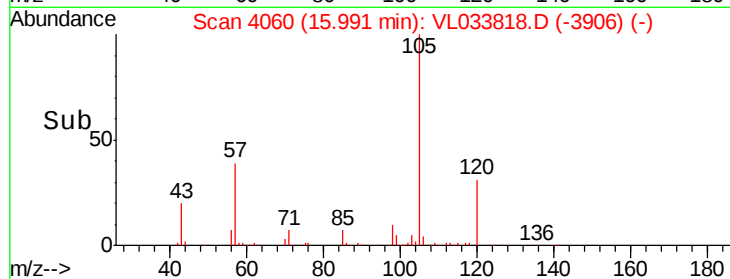
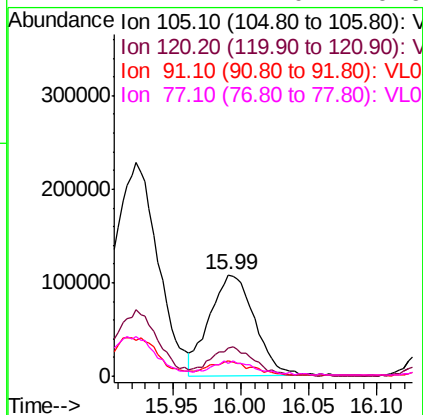
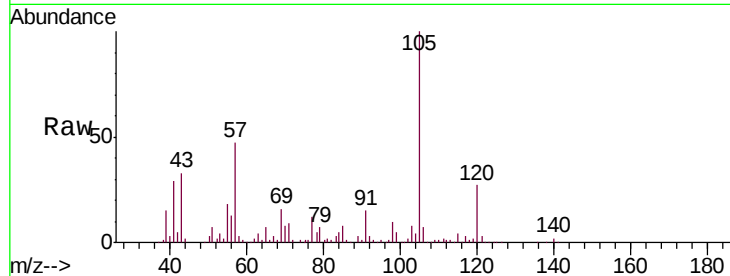




#72
 4-Ethyltoluene
 Concen: 0.889 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

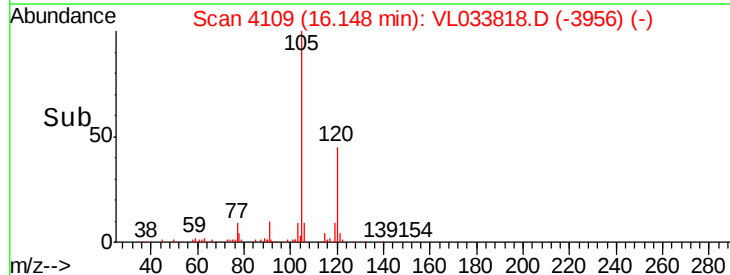
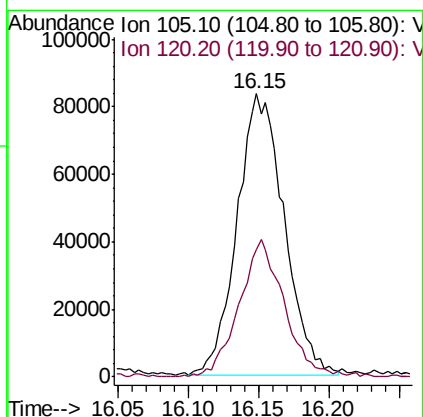
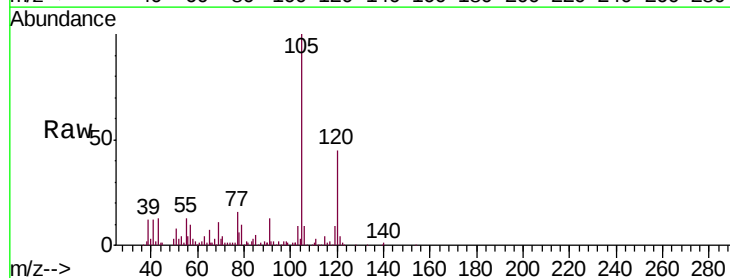
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3011-55

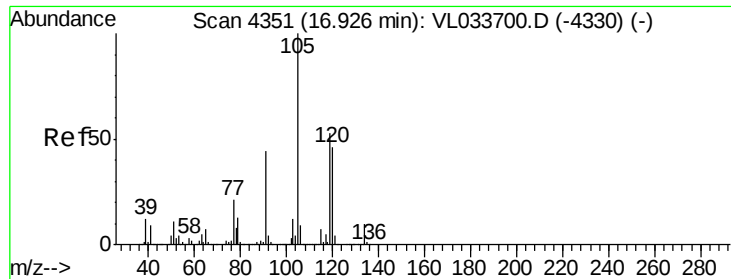
Tgt Ion:	105	Resp:	249424
Ion	Ratio	Lower	Upper
105	100		
120	28.1	23.1	34.7
91	14.1	10.4	15.6
77	14.1	11.0	16.6



#73
 1,3,5-Trimethylbenzene
 Concen: 0.708 ppbv
 RT: 16.15 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Tgt Ion:	105	Resp:	194030
Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 2.595 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

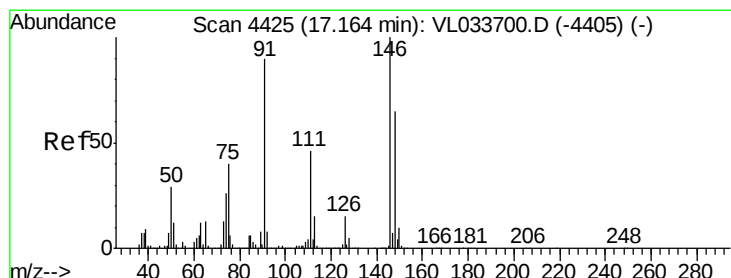
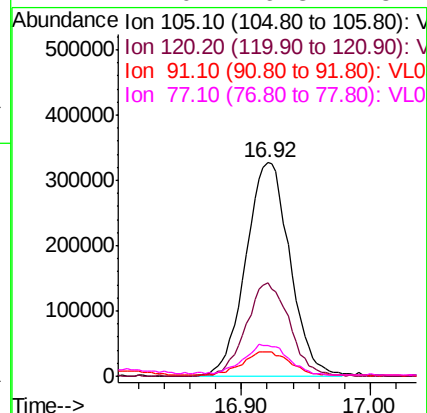
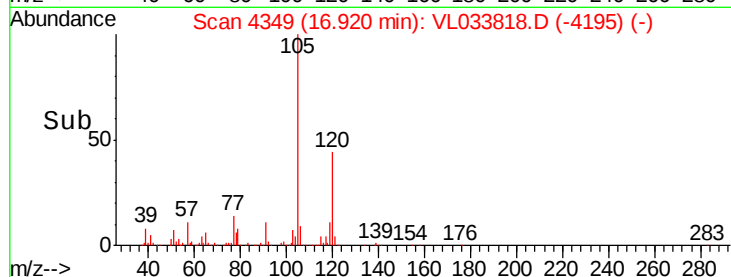
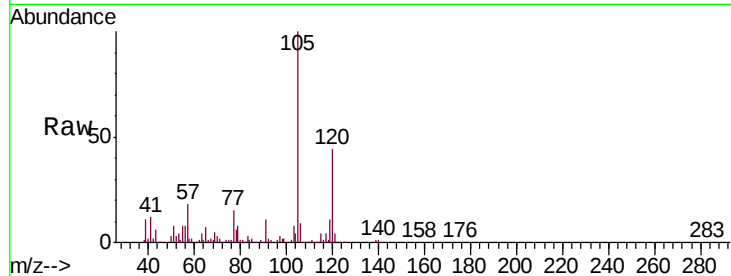
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

Tgt Ion:	105	Resp:	773608
Ion	Ratio	Lower	Upper
105	100		
120	44.0	36.8	55.2
91	11.0	35.4	53.0#
77	14.0	16.8	25.2#



#75

1,3-Dichlorobenzene

Concen: 0.291 ppbv

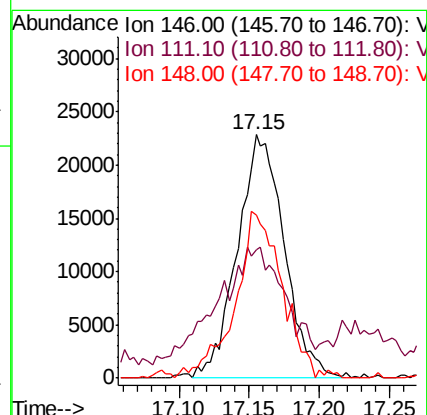
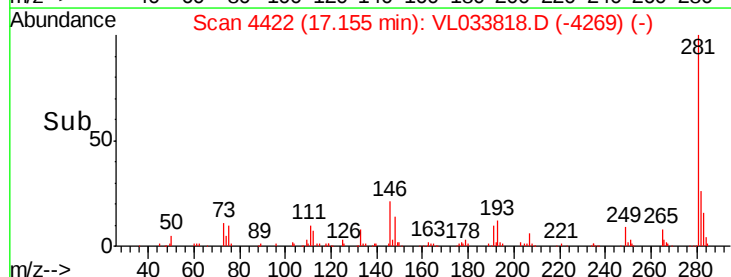
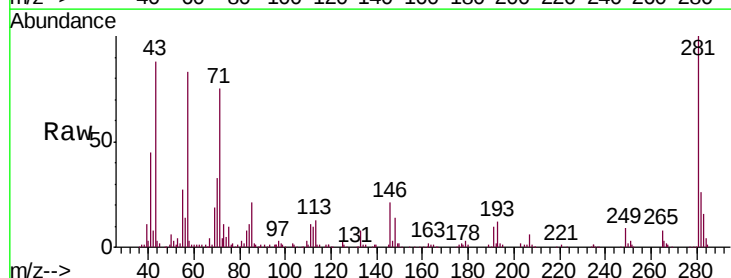
RT: 17.15 min Scan# 4422

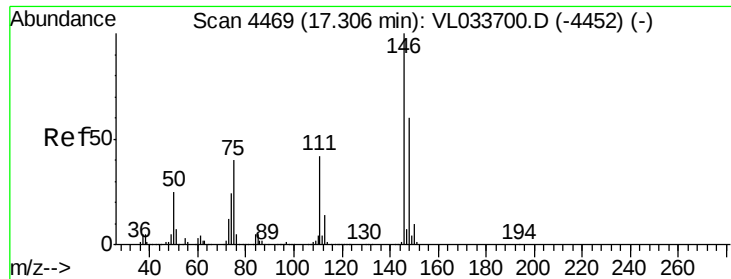
Delta R.T. -0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Tgt Ion:	146	Resp:	53131
Ion	Ratio	Lower	Upper
146	100		
111	79.0	22.9	68.8#
148	69.9	32.0	96.2

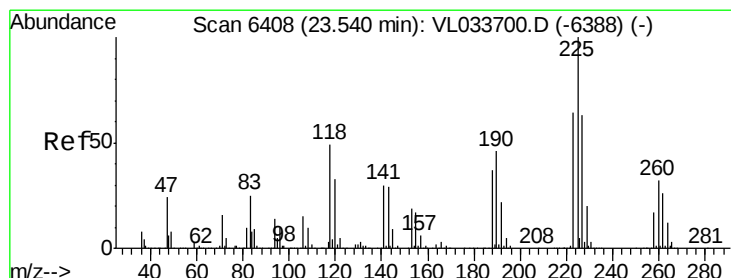
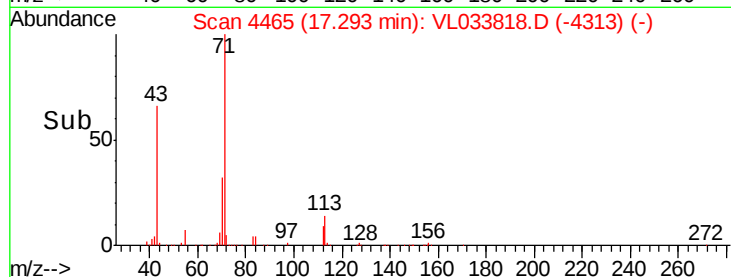
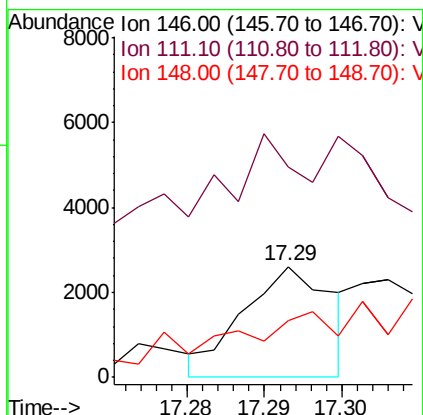
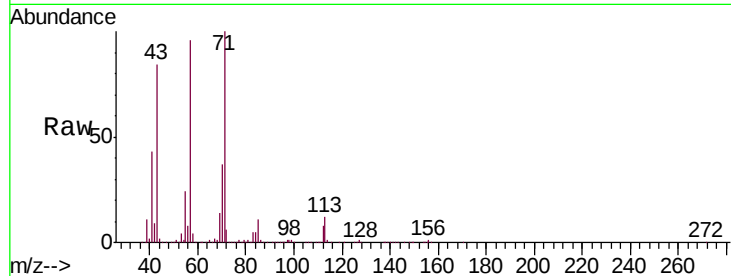




#76
 1,4-Dichlorobenzene
 Concen: 0.012 ppbv
 RT: 17.29 min Scan# 4465
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

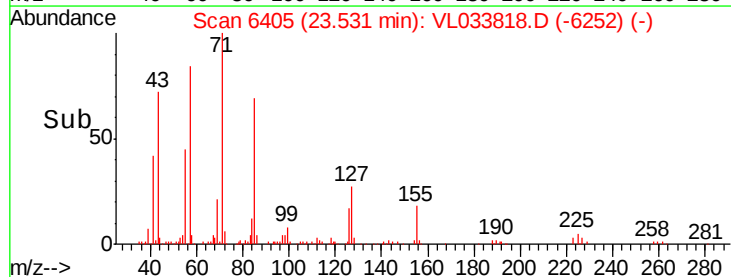
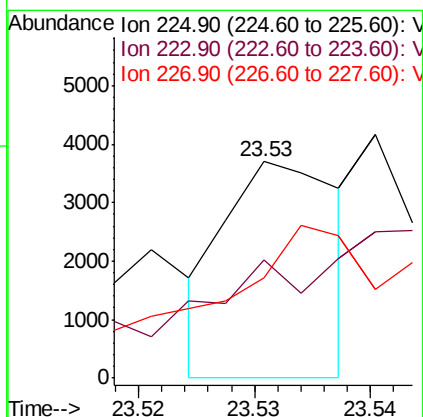
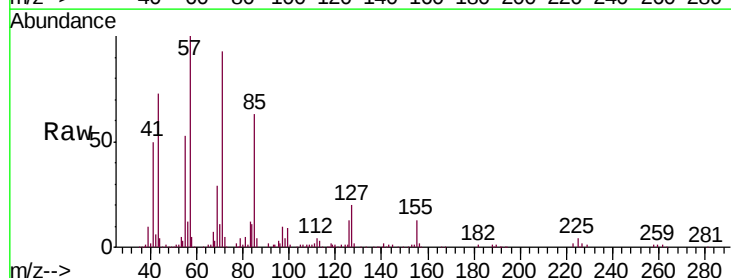
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3011-55

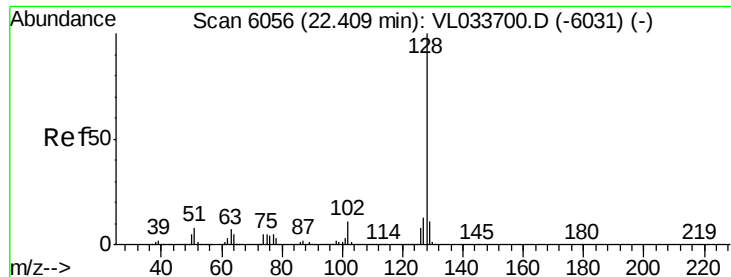
Tgt Ion:146 Resp: 2071
 Ion Ratio Lower Upper
 146 100
 111 562.0 21.9 65.8#
 148 0.0 32.1 96.3#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.020 ppbv
 RT: 23.53 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL033818.D
 Acq: 29 May 2019 1:13

Tgt Ion:225 Resp: 2539
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.2 75.4#
 227 0.0 50.7 76.1#





#79

Naphthalene

Concen: 0.368 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3011-55

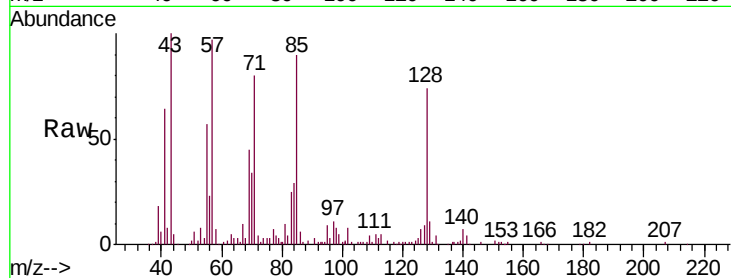
Tgt Ion:128 Resp: 101863

Ion Ratio Lower Upper

128 100

127 9.8 10.6 16.0#

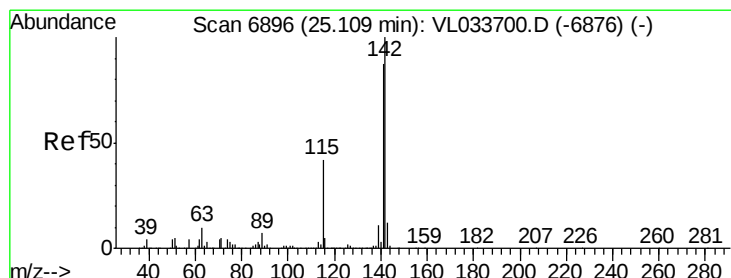
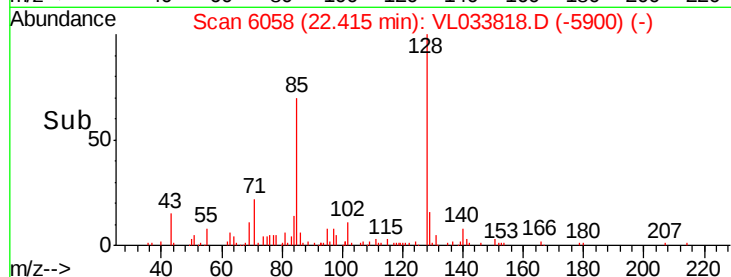
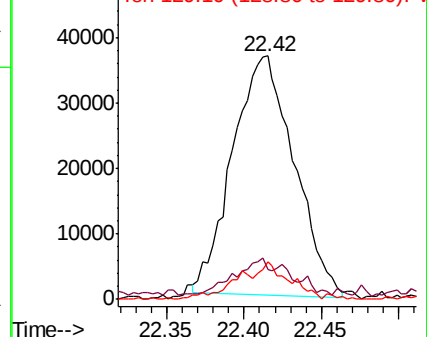
129 14.7 8.9 13.3#



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: 0.073 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL033818.D

Acq: 29 May 2019 1:13

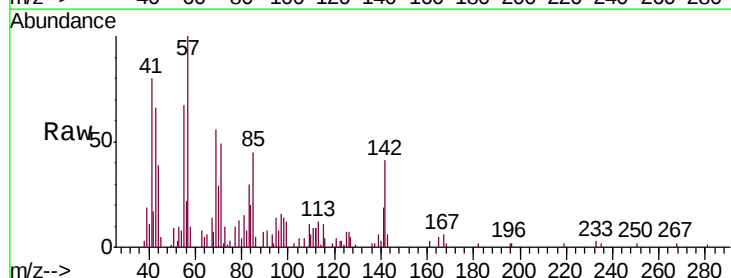
Tgt Ion:142 Resp: 7730

Ion Ratio Lower Upper

142 100

141 91.8 67.2 100.8

115 48.3 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

