

Data File : VL033775.D
Acq On : 23 May 2019 16:08
Operator : SY/AP
Sample : K2929-13
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

Quant Time: May 24 04:24:40 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	992269	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2409255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2237101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1880155	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	40486	0.194	ppbv	98
3) Chlorodifluoromethane	2.98	51	74595	0.656	ppbv #	79
4) Chloromethane	3.17	50	9503	0.146	ppbv	100
9) Propene	3.03	41	1119029	23.147	ppbv	92
10) Heptane	8.24	43	346856	2.534	ppbv	98
11) Trichlorofluoromethane	4.00	101	151588	0.760	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.54	101	33469	0.240	ppbv	100
13) Ethanol	3.65	45	613560	39.266	ppbv	99
15) Acetone	3.89	43	6076274	44.136	ppbv	91
16) 1,3-Butadiene	3.34	39	666861	12.164	ppbv #	28
17) tert-Butyl alcohol	4.36	59	257189	2.310	ppbv	96
19) Isopropyl Alcohol	4.03	45	341682	3.849	ppbv #	94
20) Methylene Chloride	4.41	84	157582	2.973	ppbv	96
21) Allyl Chloride	4.46	41	14148	0.165	ppbv #	1
23) Vinyl Acetate	5.14	43	102994	0.567	ppbv #	30
25) Ethyl Acetate	5.77	43	871271	3.603	ppbv	97
26) Hexane	5.77	57	497864	4.789	ppbv #	77
27) Carbon Disulfide	4.62	76	252199	1.768	ppbv	98
29) Chloroform	5.84	83	318962	1.665	ppbv	98
30) Cyclohexane	7.24	84	21029	0.241	ppbv #	1
31) cis-1,2-Dichloroethene	5.76	61	67249	0.652	ppbv #	27
32) 1,1,1-Trichloroethane	6.61	97	6209	0.032	ppbv #	46
34) 2-Butanone	5.32	43	613884	4.111	ppbv	99
35) Carbon Tetrachloride	7.12	117	3260	0.017	ppbv #	76
36) Benzene	7.00	78	365080	1.666	ppbv	97
38) Trichloroethene	7.95	130	1243	0.015	ppbv #	15
39) 1,2-Dichloropropane	7.29	63	608259	7.444	ppbv #	22
41) Tetrahydrofuran	6.15	42	10421	0.125	ppbv #	1
42) Bromodichloromethane	7.91	83	4806	0.025	ppbv #	25
43) Methyl Methacrylate	8.13	69	1532	0.019	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	148180	0.400	ppbv #	64
50) 4-Methyl-2-Pentanone	8.87	43	191208	0.832	ppbv	95
51) 2-Hexanone	10.26	43	162542	0.907	ppbv #	88
52) Tetrachloroethene	11.37	164	13112	0.170	ppbv	97
53) Toluene	9.94	91	5385524	22.783	ppbv	98
58) Ethyl Benzene	12.86	91	1021690	3.449	ppbv	100
59) m/p-Xylene	13.11	91	3349669	12.935	ppbv	98
60) o-Xylene	13.84	91	1028433	3.939	ppbv	99
61) Styrene	13.67	104	22896	0.130	ppbv #	27
62) Isopropylbenzene	14.81	105	43022	0.122	ppbv #	76
64) n-propylbenzene	15.71	120	56383	0.620	ppbv	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.92	119	56938	0.177	ppbv #	12
66) Benzyl Chloride	17.20	91	2102	0.014	ppbv #	1
67) sec-Butylbenzene	17.45	105	17236	0.038	ppbv #	87
69) p-Isopropyltoluene	17.81	119	6093	0.016	ppbv #	1
70) n-Butylbenzene	18.70	91	22938	0.058	ppbv #	1
71) 2-Chlorotoluene	15.46	91	19265	0.074	ppbv	90
72) 4-Ethyltoluene	15.99	105	320302	1.073	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.15	105	217527	0.747	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	840401	2.652	ppbv #	74
75) 1,3-Dichlorobenzene	17.15	146	28205	0.145	ppbv #	58
76) 1,4-Dichlorobenzene	17.30	146	14257	0.077	ppbv #	24
79) Naphthalene	22.42	128	45078	0.153	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	9282	0.083	ppbv #	86

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

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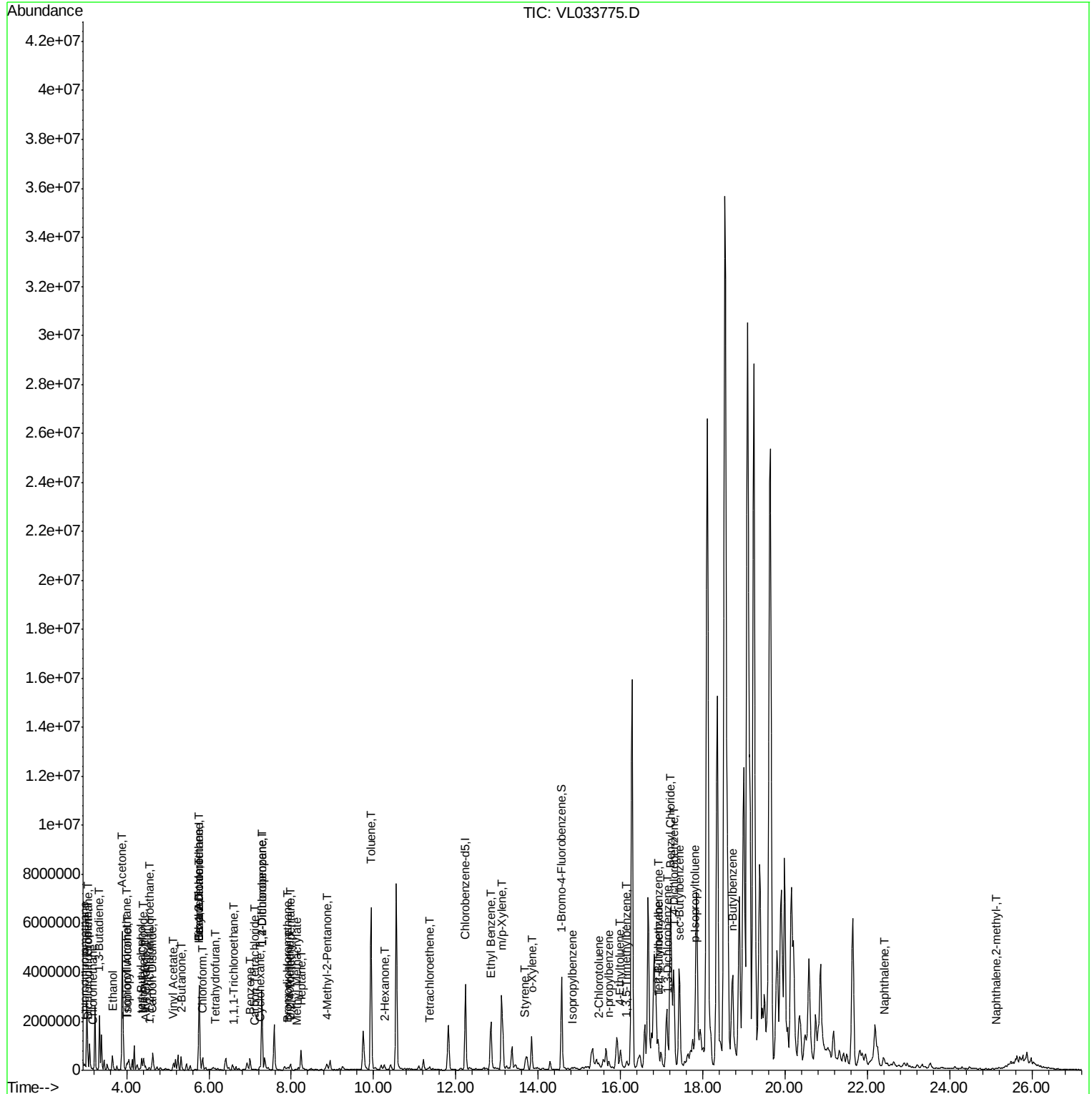
Quant Time: May 24 04:24:40 2019

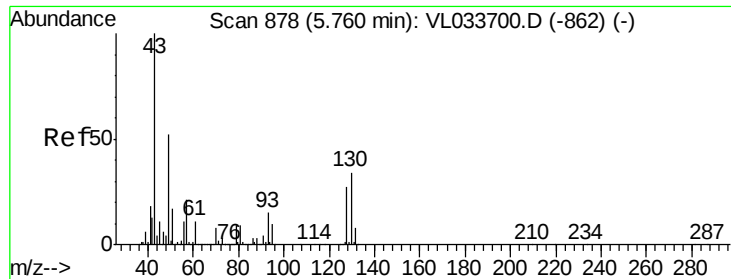
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

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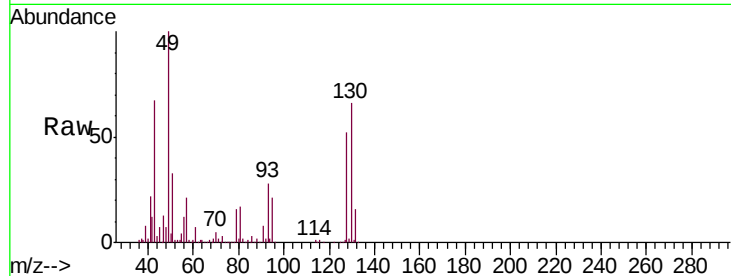
Tgt Ion: 49 Resp: 992269

Ion Ratio Lower Upper

49 100

128 51.2 25.2 75.6

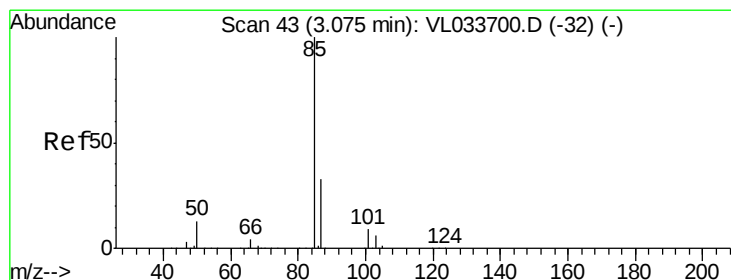
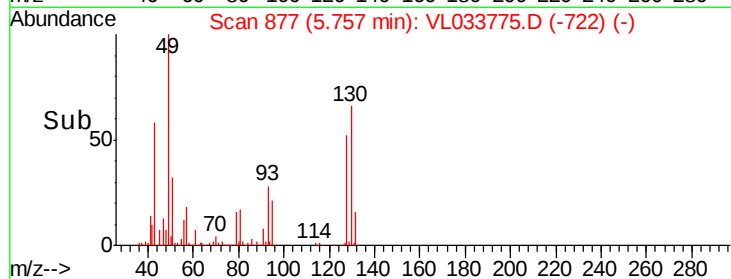
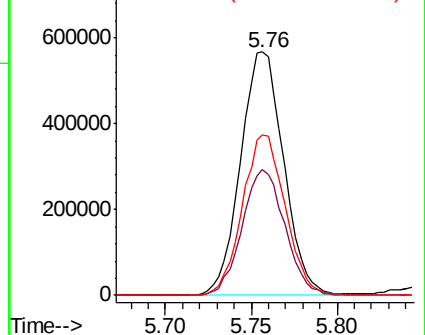
130 65.4 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033775.D

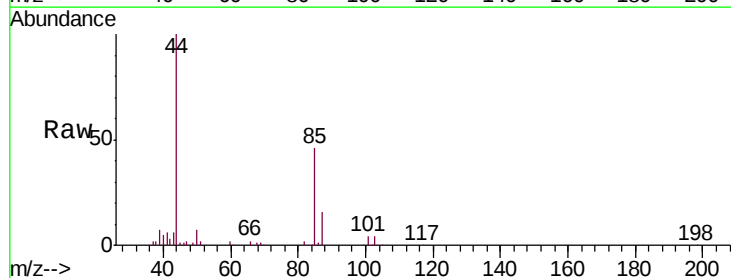
Acq: 23 May 2019 16:08

Tgt Ion: 85 Resp: 40486

Ion Ratio Lower Upper

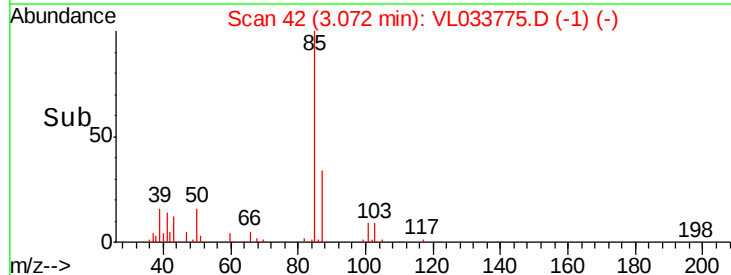
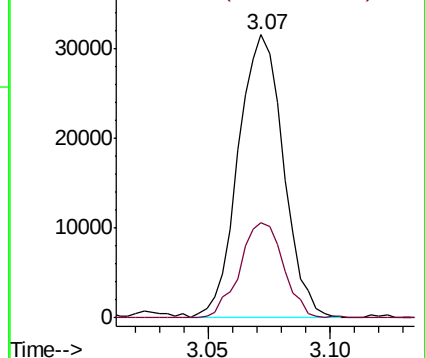
85 100

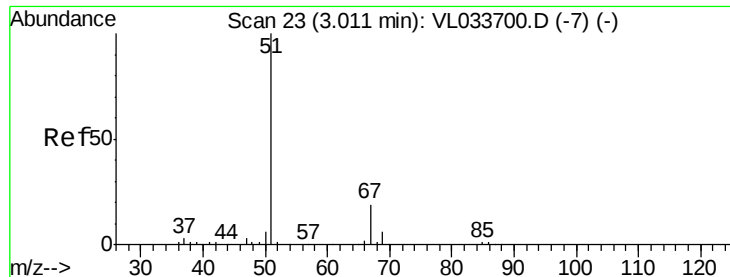
87 33.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

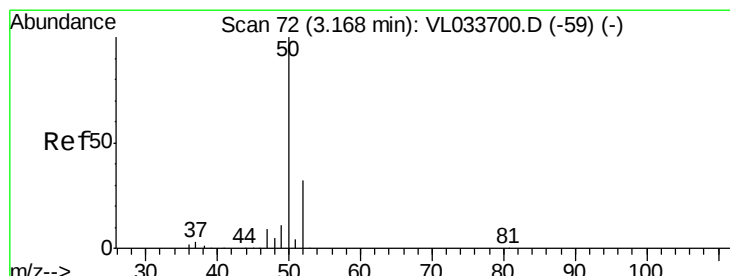
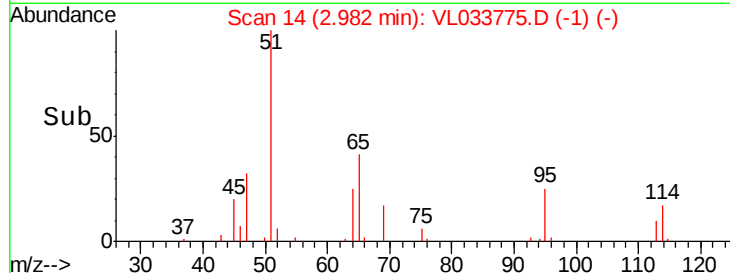
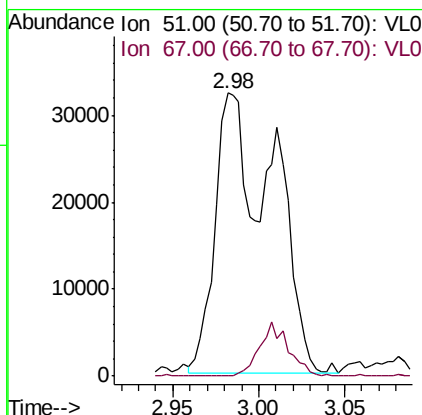
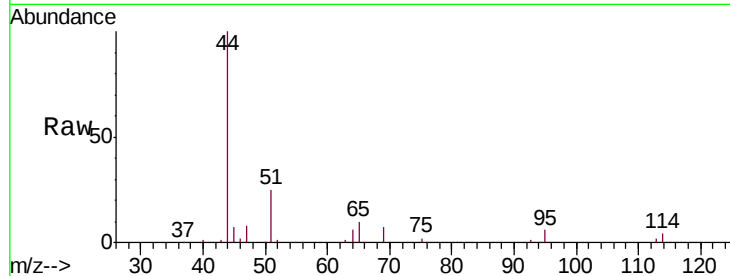




#3
 Chlorodifluoromethane
 Concen: 0.656 ppbv
 RT: 2.98 min Scan# 14
 Delta R.T. -0.03 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

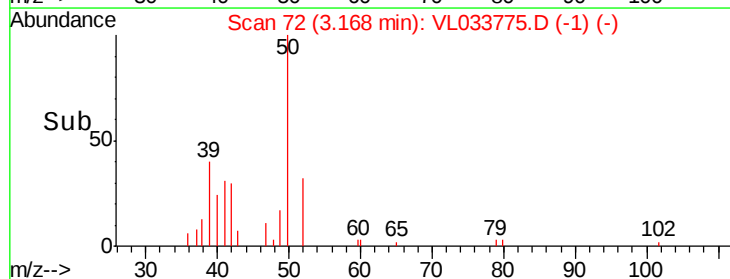
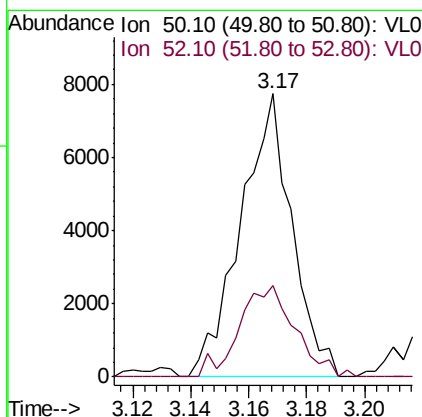
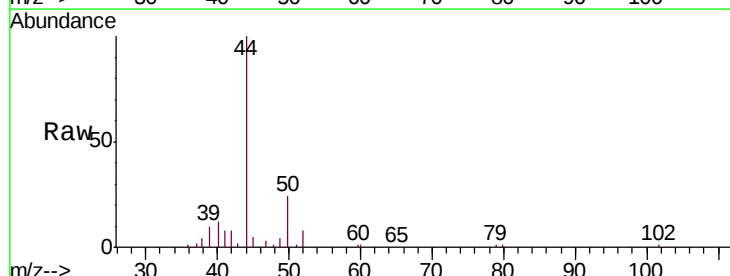
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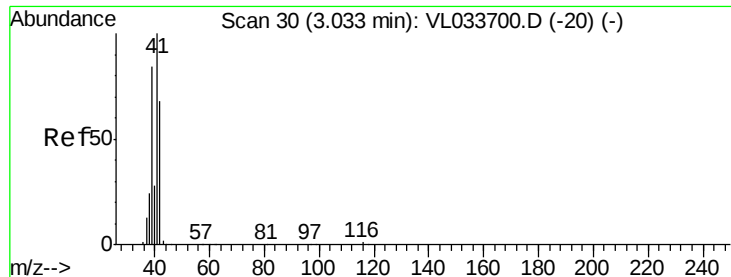
Tgt Ion: 51 Resp: 74595
 Ion Ratio Lower Upper
 51 100
 67 9.8 15.6 23.4#



#4
 Chloromethane
 Concen: 0.146 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion: 50 Resp: 9503
 Ion Ratio Lower Upper
 50 100
 52 32.4 25.7 38.5





#9

Propene

Concen: 23.147 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

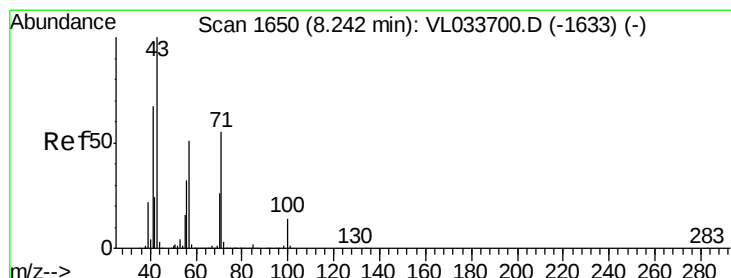
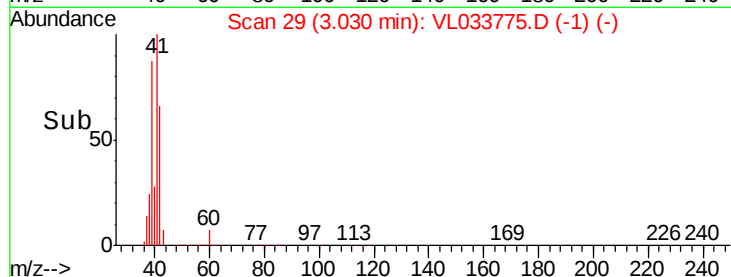
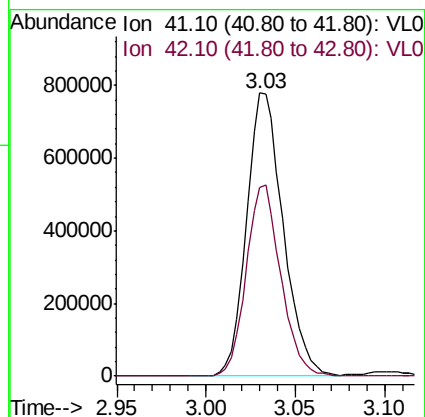
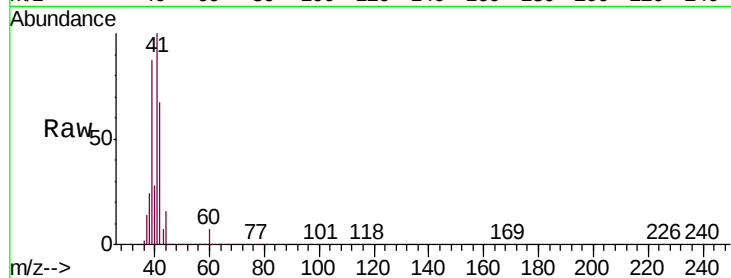
BPS1-SG-3004-25

Tgt Ion: 41 Resp: 1119029

Ion Ratio Lower Upper

41 100

42 63.9 56.1 84.1



#10

Heptane

Concen: 2.534 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033775.D

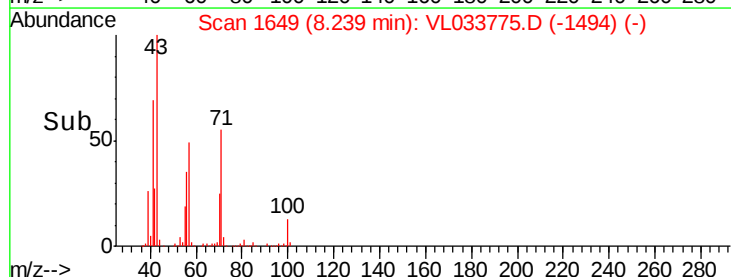
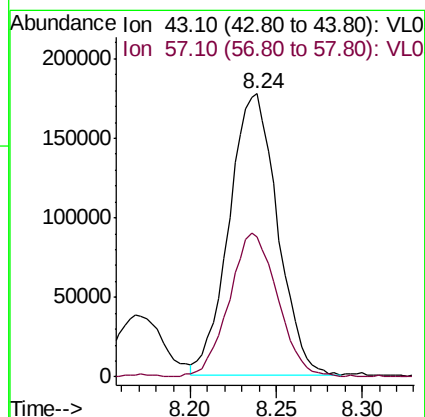
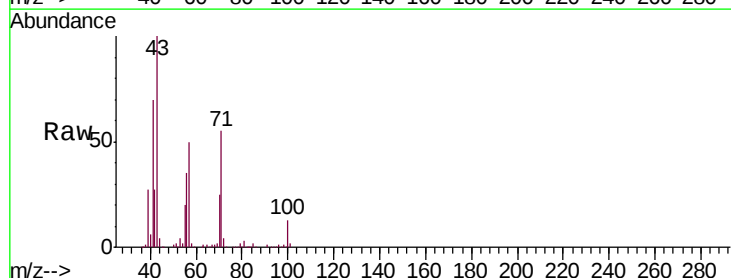
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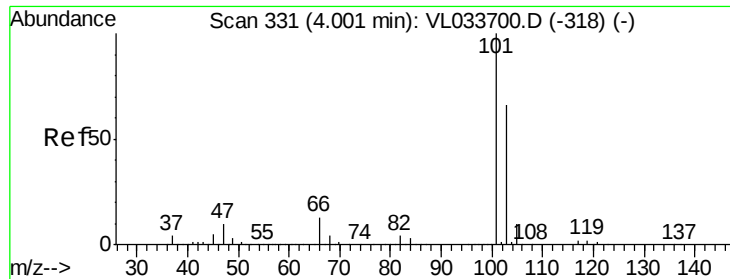
Tgt Ion: 43 Resp: 346856

Ion Ratio Lower Upper

43 100

57 50.6 41.4 62.0

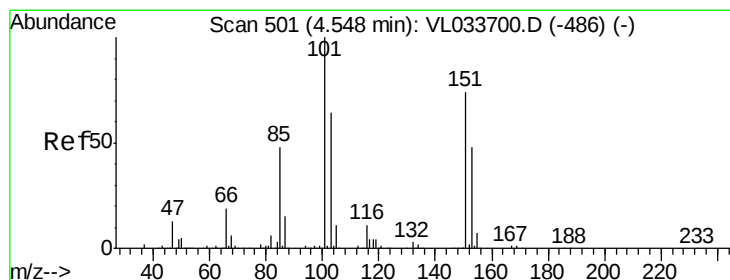
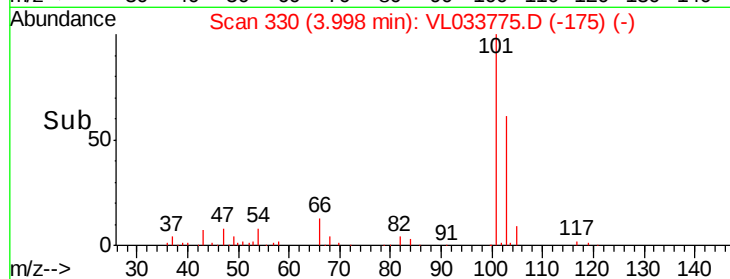
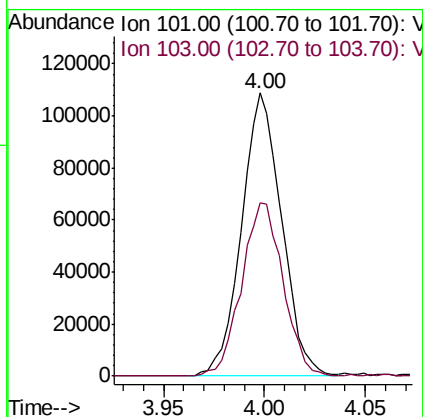
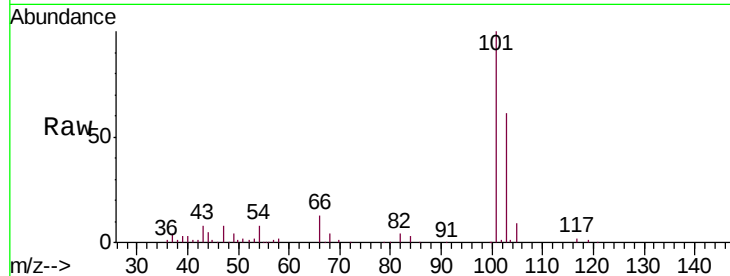




#11
 Trichlorofluoromethane
 Concen: 0.760 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

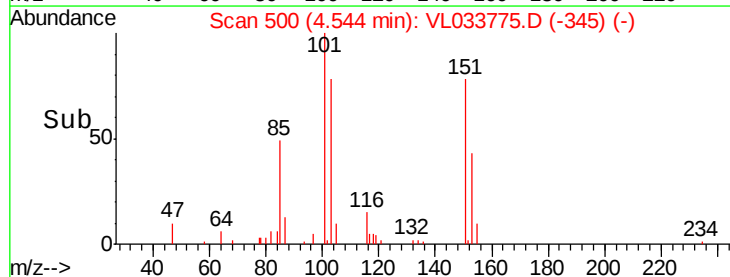
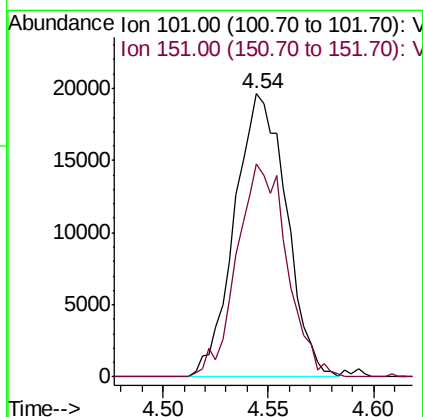
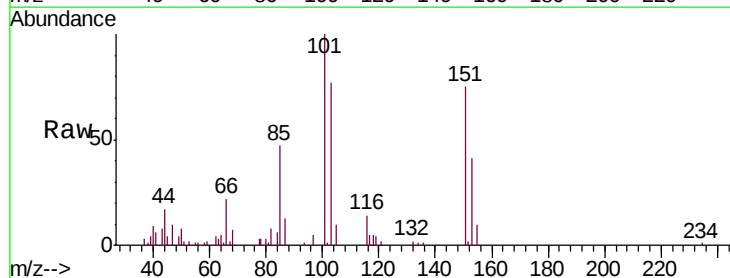
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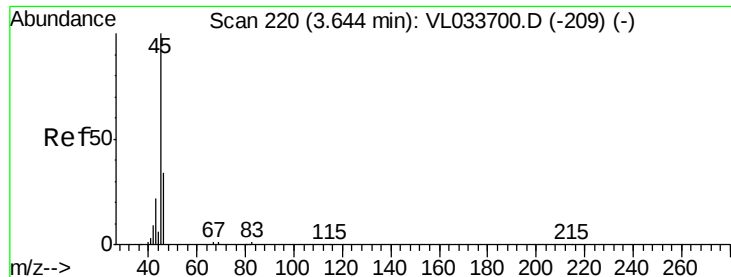
Tgt Ion:101 Resp: 151588
 Ion Ratio Lower Upper
 101 100
 103 62.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.240 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion:101 Resp: 33469
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.2 87.4





#13

Ethanol

Concen: 39.266 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

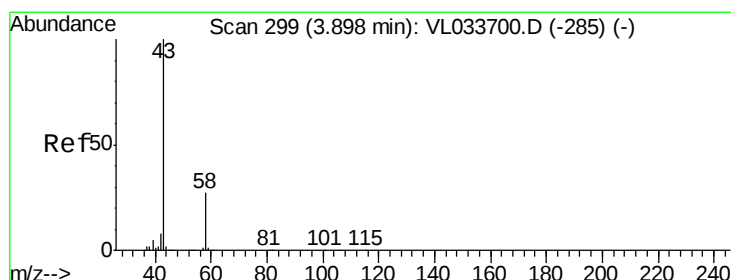
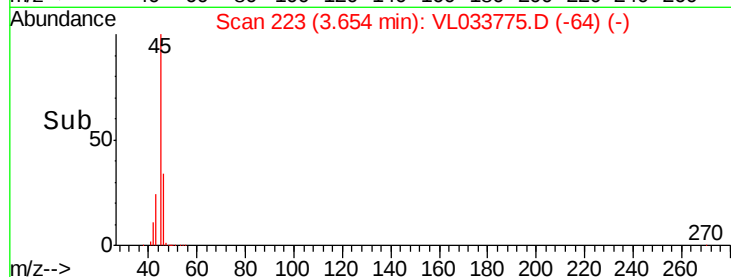
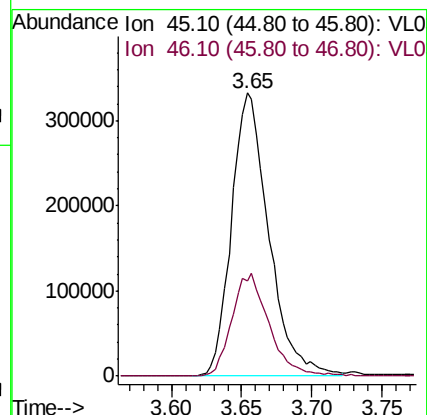
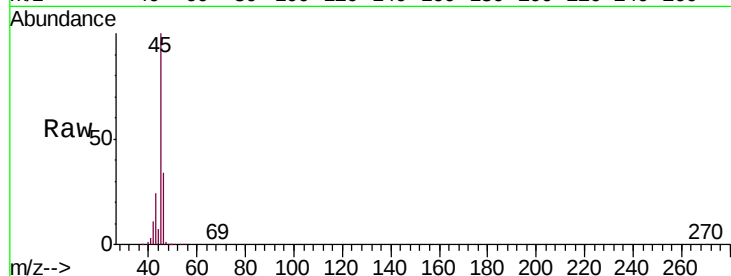
BPS1-SG-3004-25

Tgt Ion: 45 Resp: 613560

Ion Ratio Lower Upper

45 100

46 36.5 14.8 59.0



#15

Acetone

Concen: 44.136 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033775.D

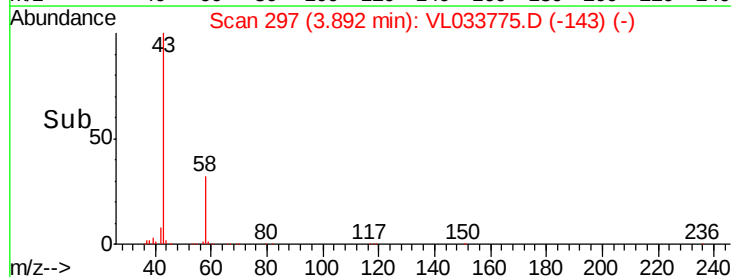
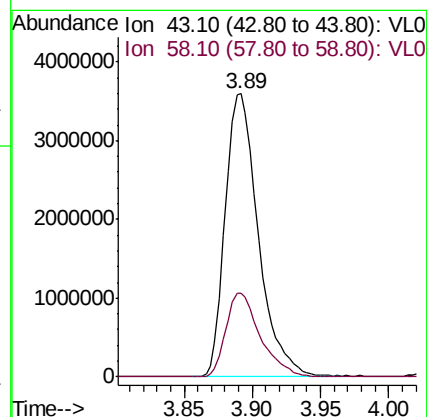
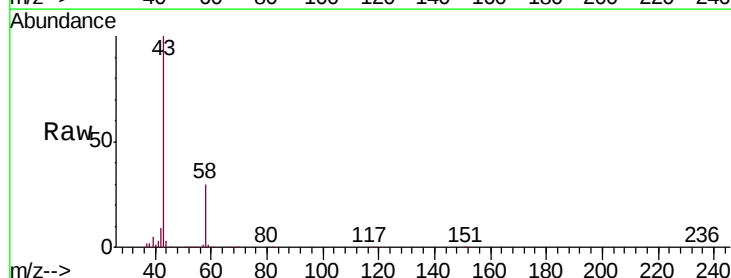
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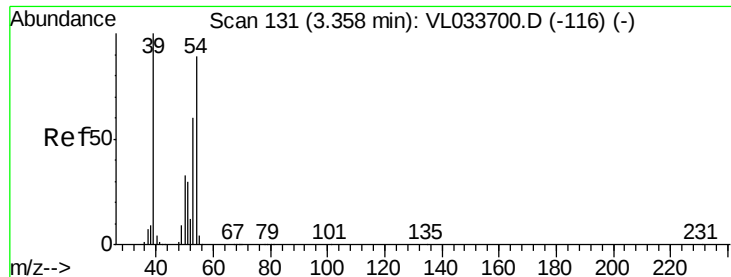
Tgt Ion: 43 Resp: 6076274

Ion Ratio Lower Upper

43 100

58 31.0 21.3 31.9

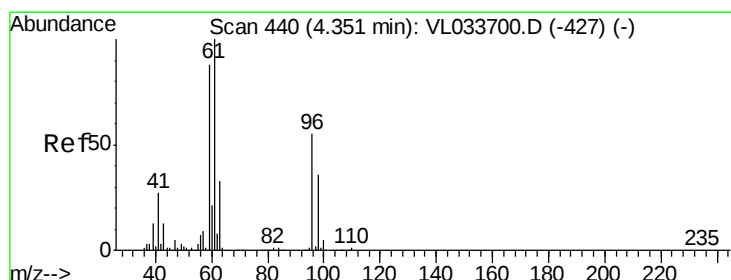
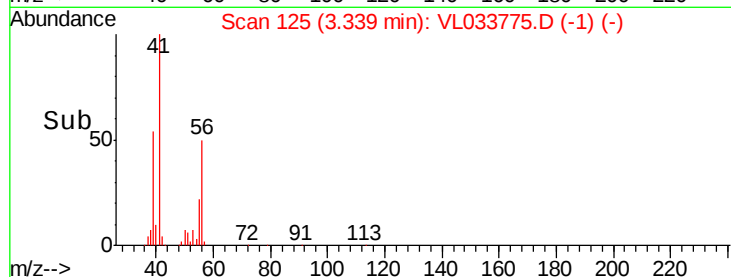
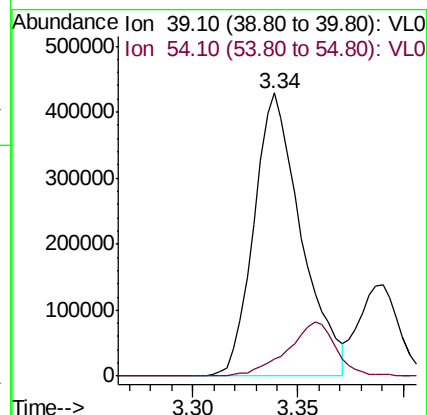
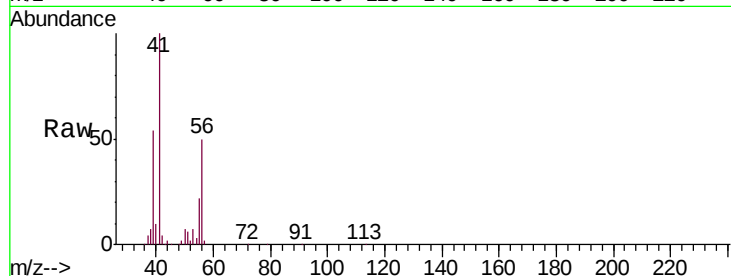




#16
 1,3-Butadiene
 Concen: 12.164 ppbv
 RT: 3.34 min Scan# 125
 Delta R.T. -0.02 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

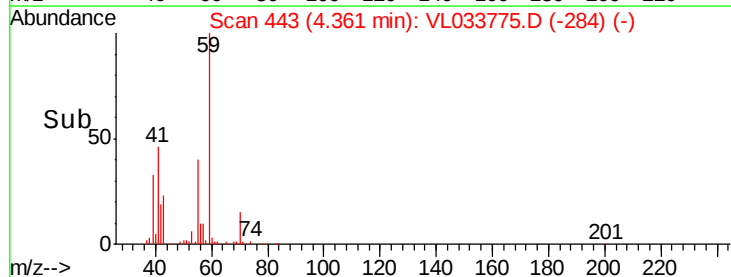
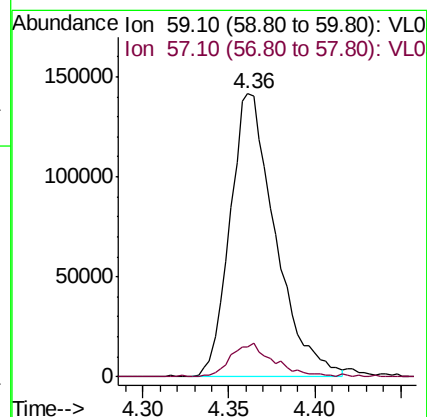
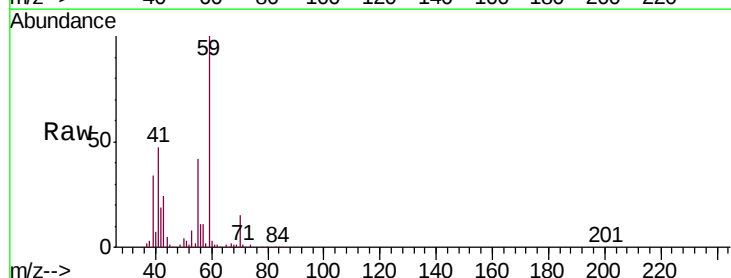
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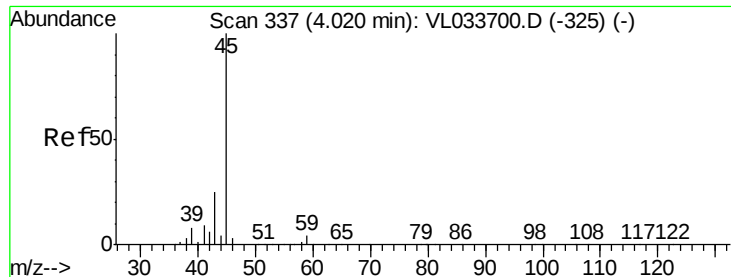
Tgt Ion: 39 Resp: 666861
 Ion Ratio Lower Upper
 39 100
 54 19.8 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 2.310 ppbv
 RT: 4.36 min Scan# 443
 Delta R.T. 0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion: 59 Resp: 257189
 Ion Ratio Lower Upper
 59 100
 57 12.1 8.4 12.6





#19

Isopropyl Alcohol

Concen: 3.849 ppbv

RT: 4.03 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

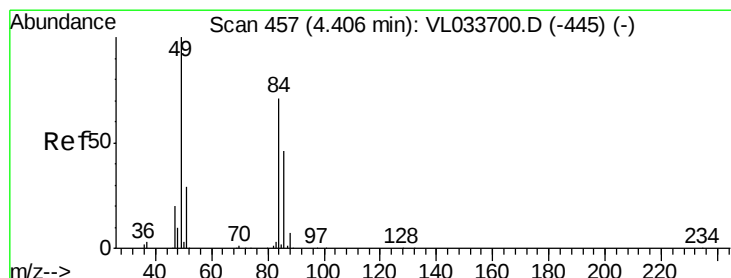
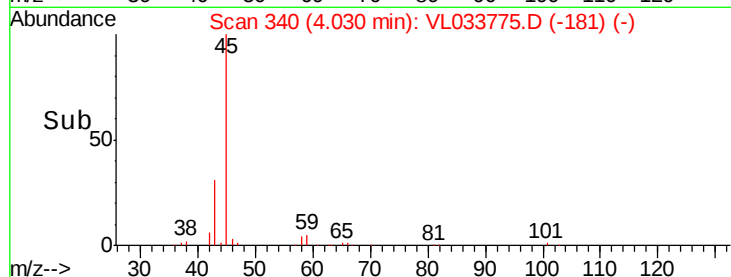
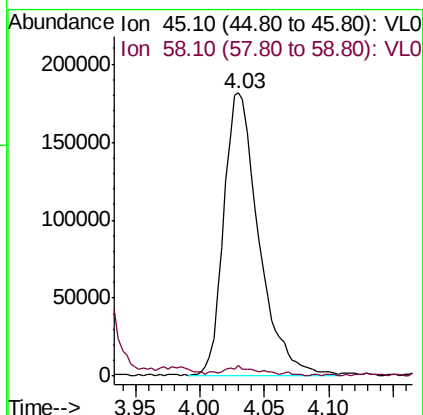
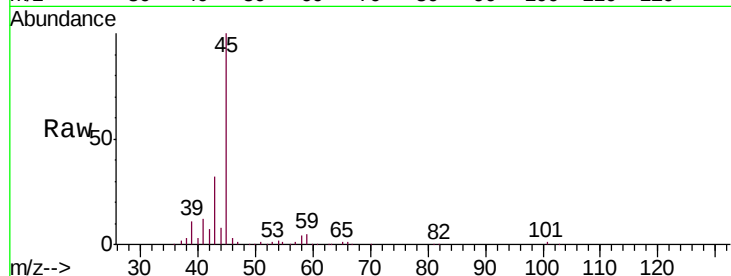
BPS1-SG-3004-25

Tgt Ion: 45 Resp: 341682

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 2.973 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion: 84 Resp: 157582

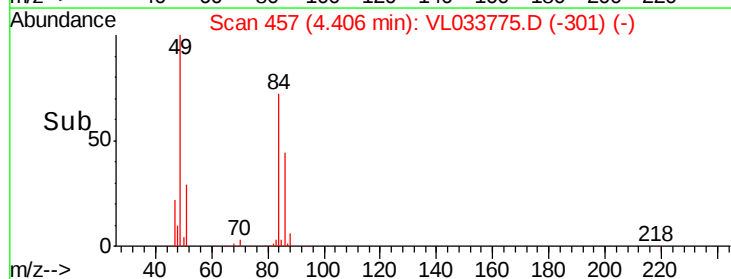
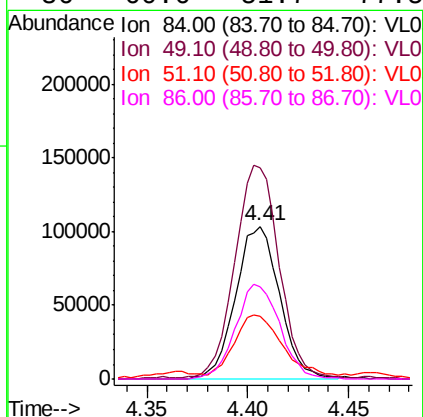
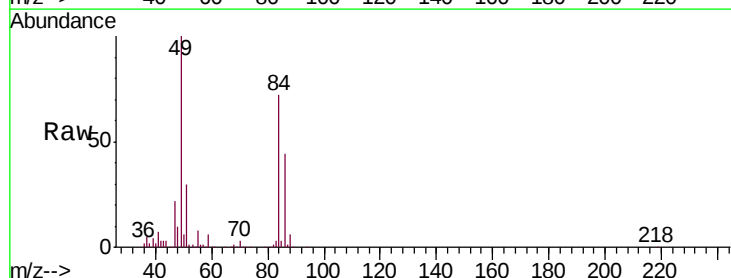
Ion Ratio Lower Upper

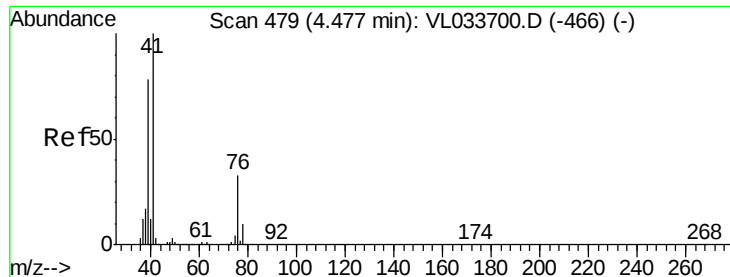
84 100

49 137.1 112.8 169.2

51 38.8 33.4 50.0

86 60.6 51.7 77.5





#21

Allyl Chloride

Concen: 0.165 ppbv

RT: 4.46 min Scan# 474

Delta R.T. -0.02 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

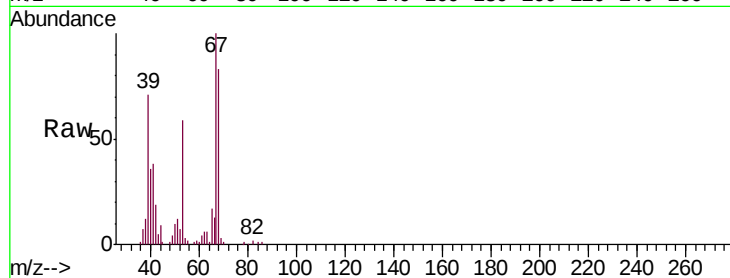
Tgt Ion: 41 Resp: 14148

Ion Ratio Lower Upper

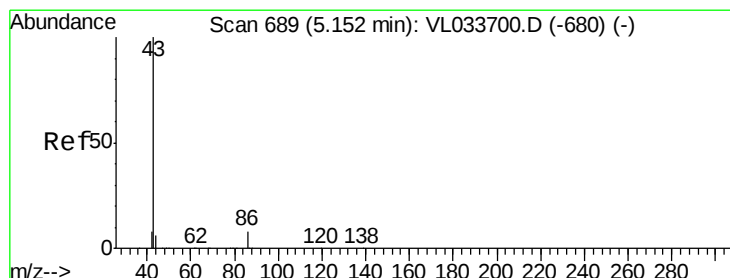
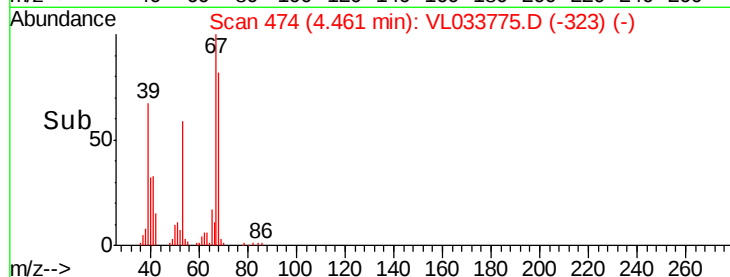
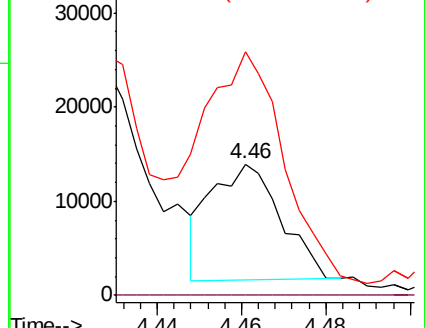
41 100

76 0.0 25.9 38.9#

39 235.1 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: 0.567 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion: 43 Resp: 102994

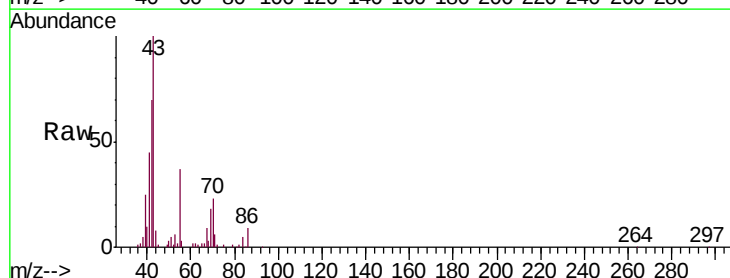
Ion Ratio Lower Upper

43 100

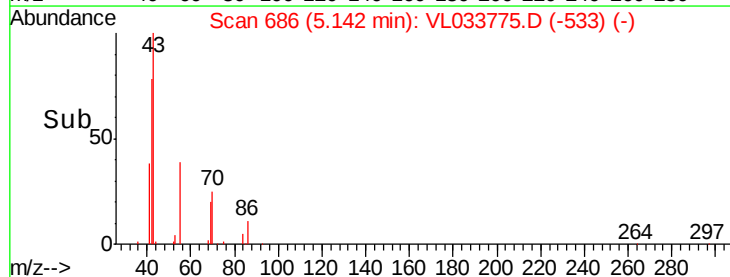
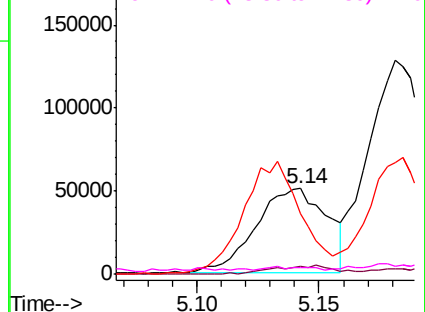
86 9.4 6.0 9.0#

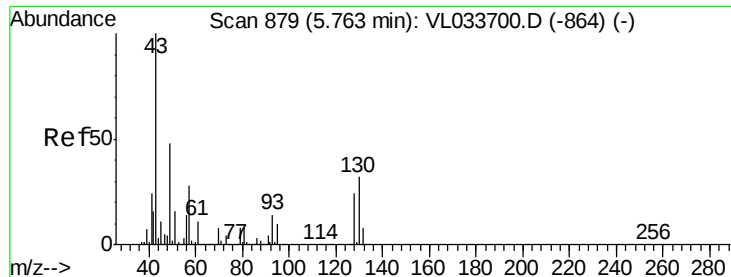
42 68.4 7.5 11.3#

44 4.3 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

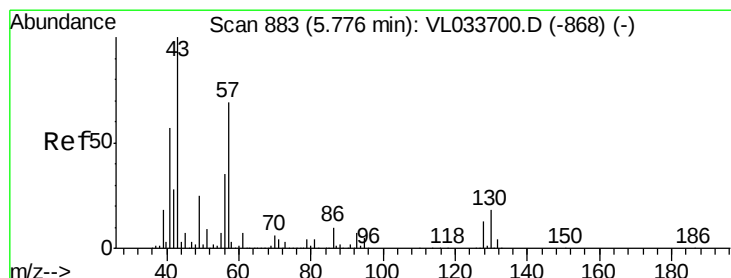
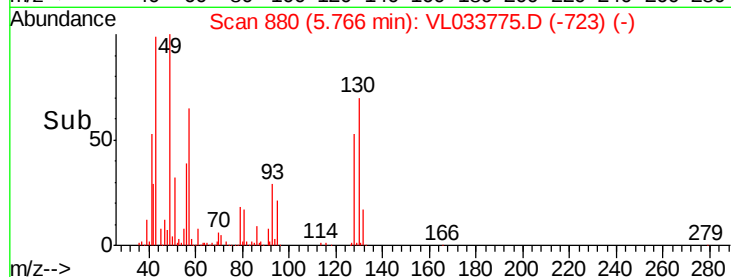
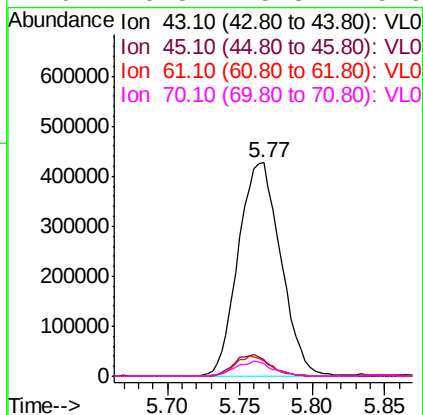
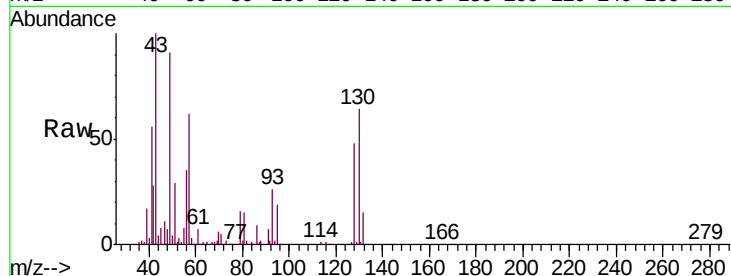




#25
Ethyl Acetate
Concen: 3.603 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

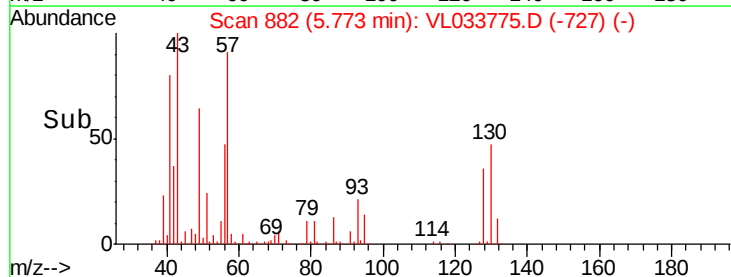
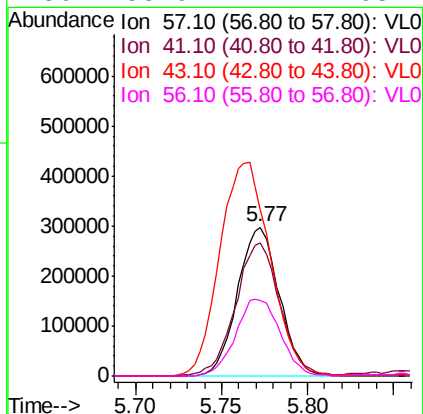
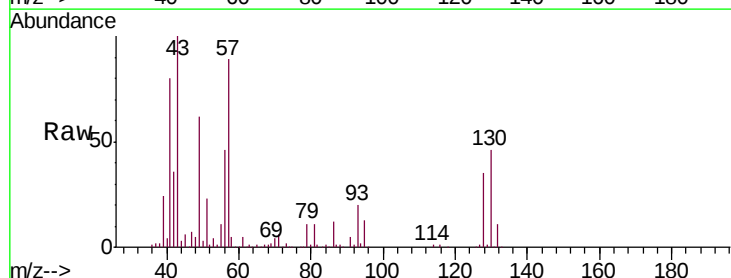
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

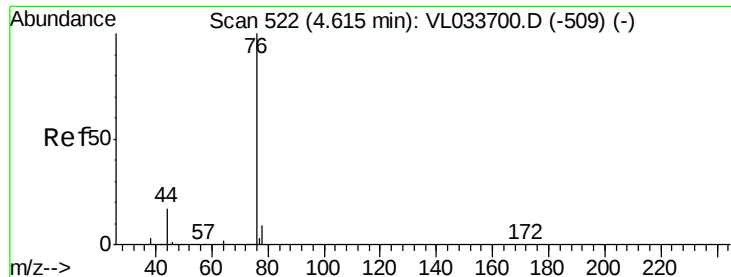
Tgt Ion:	43	Resp:	871271
Ion	Ratio	Lower	Upper
43	100		
45	8.7	7.9	11.9
61	7.9	7.7	11.5
70	6.3	5.8	8.6



#26
Hexane
Concen: 4.789 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion:	57	Resp:	497864
Ion	Ratio	Lower	Upper
57	100		
41	95.5	69.8	104.6
43	174.8	181.8	272.6#
56	55.9	42.1	63.1

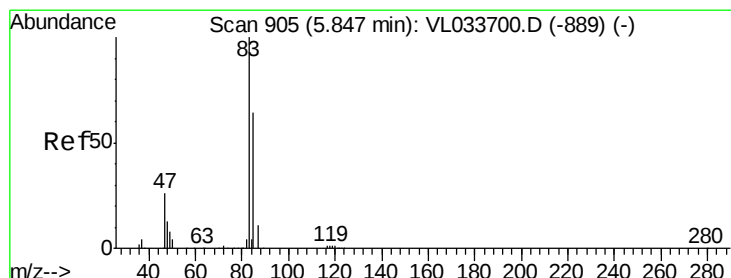
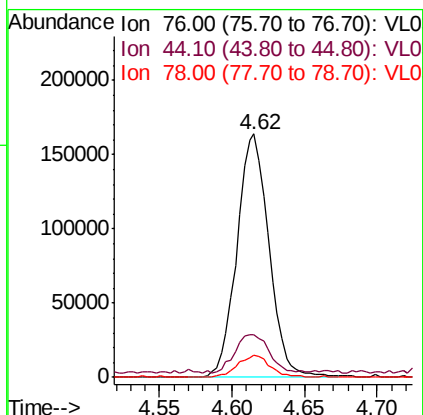
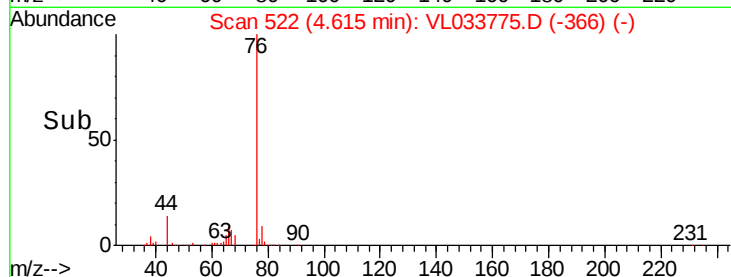
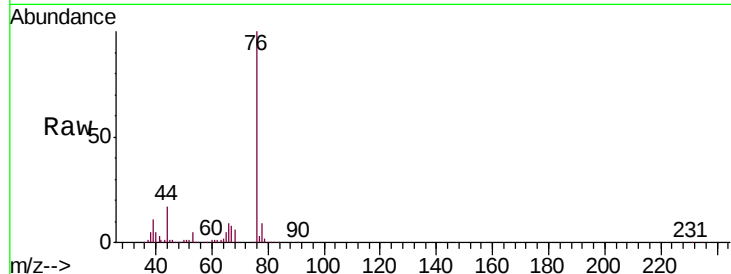




#27
Carbon Disulfide
Concen: 1.768 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

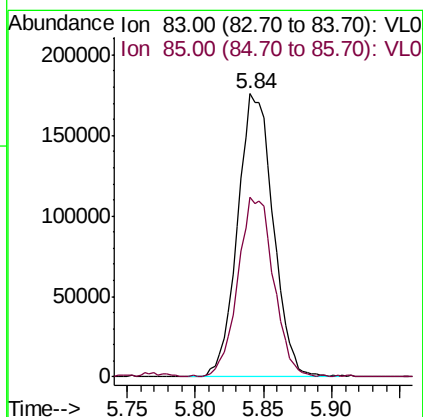
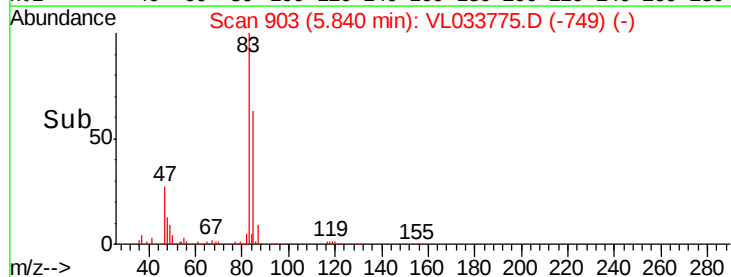
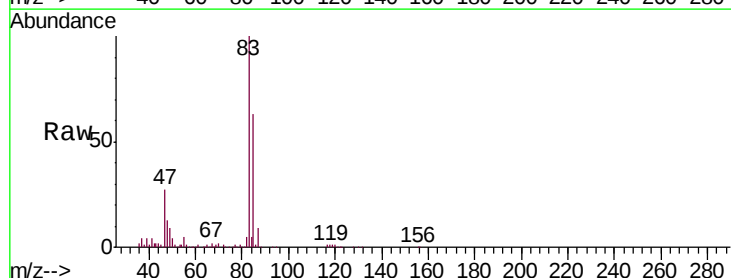
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

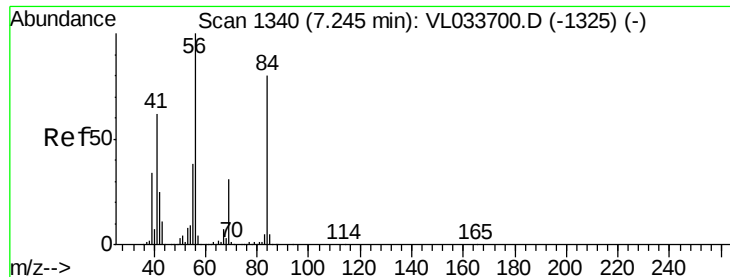
Tgt Ion: 76 Resp: 252199
Ion Ratio Lower Upper
76 100
44 18.1 13.8 20.8
78 9.5 7.4 11.0



#29
Chloroform
Concen: 1.665 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 83 Resp: 318962
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3

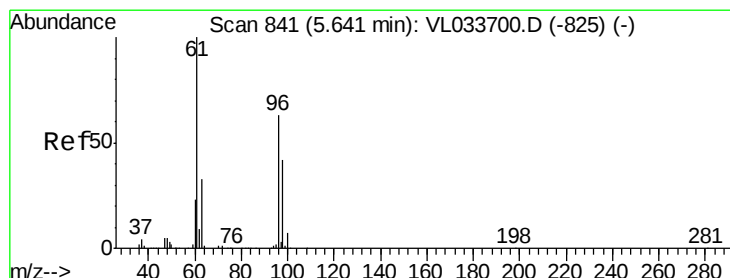
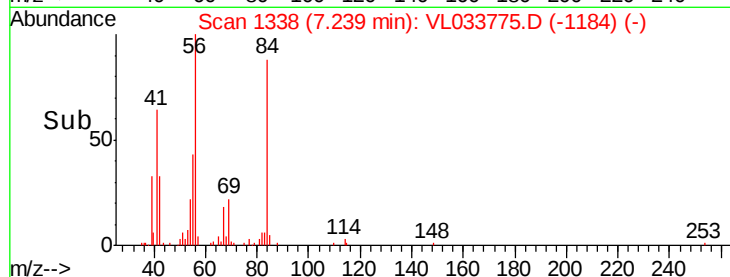
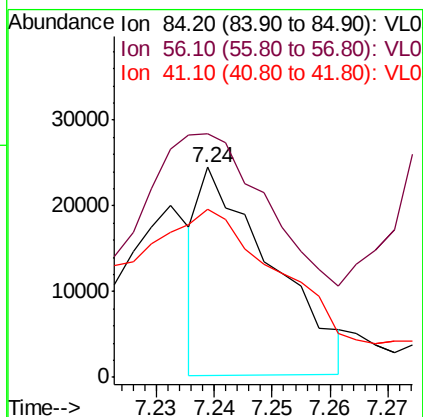
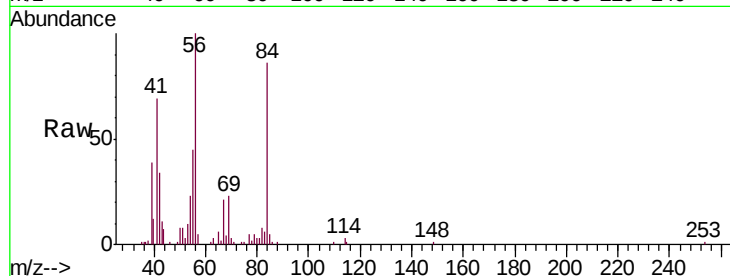




#30
Cyclohexane
Concen: 0.241 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

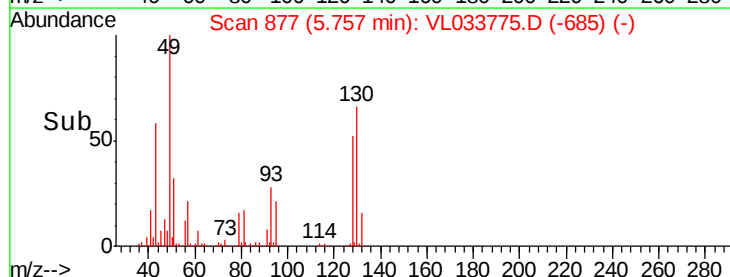
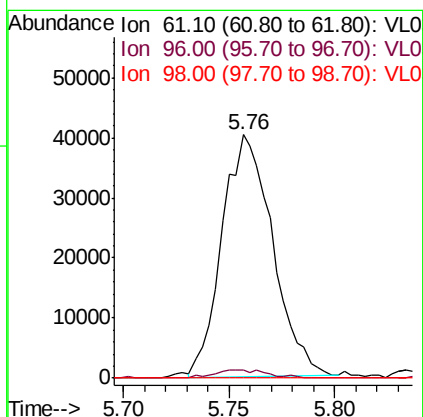
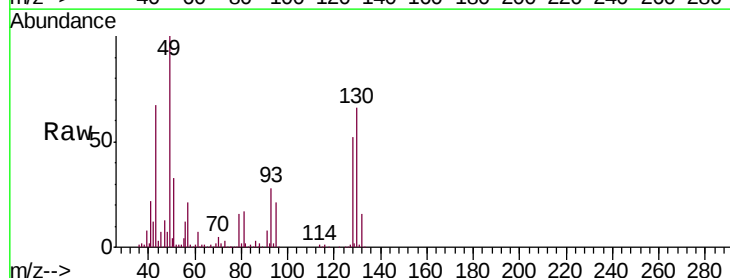
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

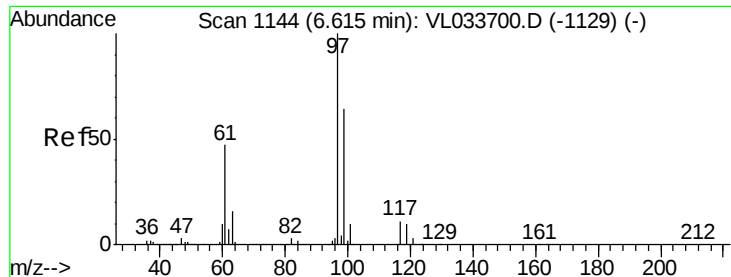
Tgt Ion: 84 Resp: 21029
Ion Ratio Lower Upper
84 100
56 263.0 107.7 161.5#
41 201.9 66.0 99.0#



#31
cis-1,2-Dichloroethene
Concen: 0.652 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.12 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 61 Resp: 67249
Ion Ratio Lower Upper
61 100
96 3.5 50.8 76.2#
98 0.0 33.3 49.9#





#32

1,1,1-Trichloroethane

Concen: 0.032 ppbv

RT: 6.61 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

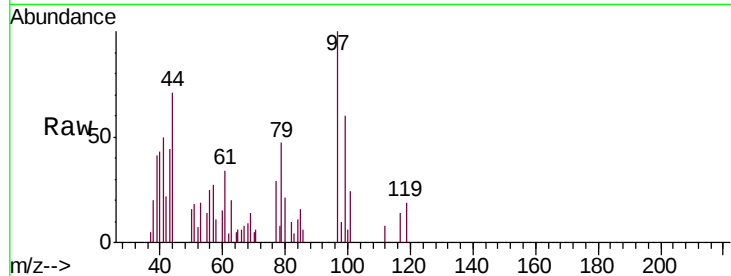
Tgt Ion: 97 Resp: 6209

Ion Ratio Lower Upper

97 100

99 84.4 51.5 77.3#

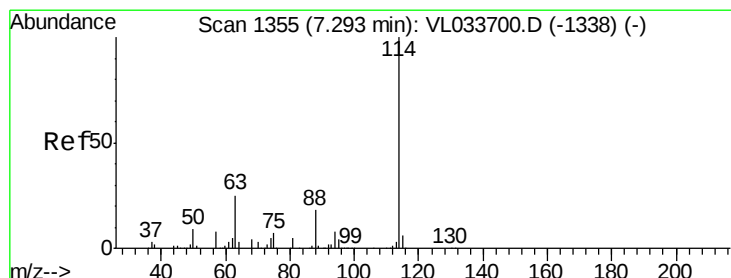
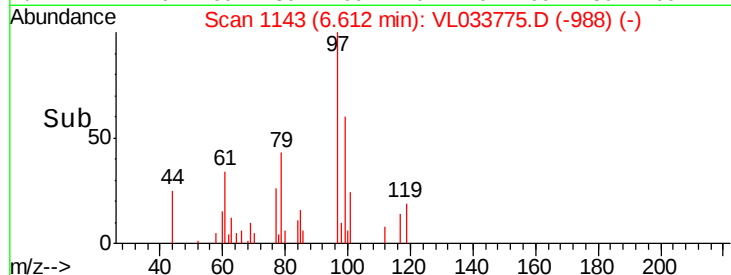
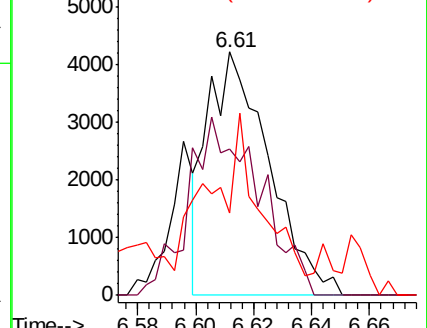
61 109.5 37.8 56.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

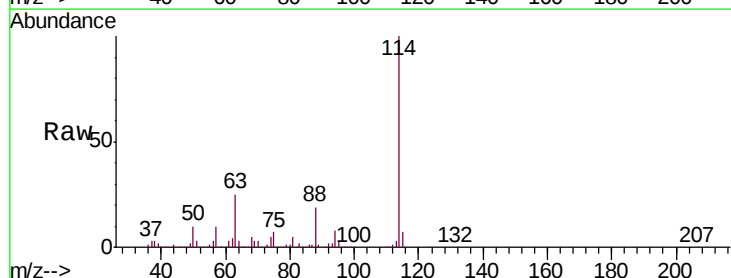
Tgt Ion: 114 Resp: 2409255

Ion Ratio Lower Upper

114 100

63 25.6 20.9 31.3

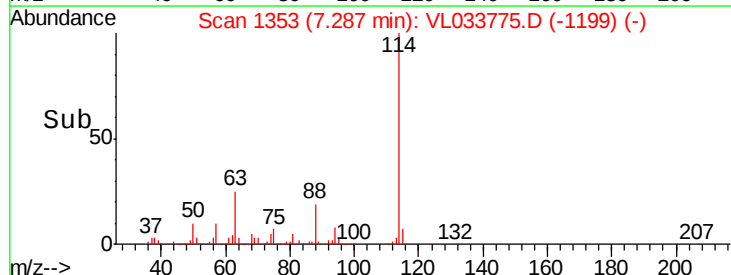
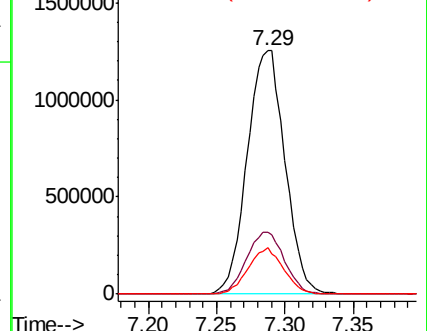
88 17.8 14.3 21.5

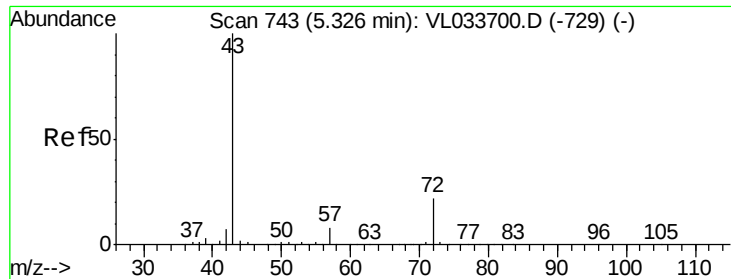


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 4.111 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

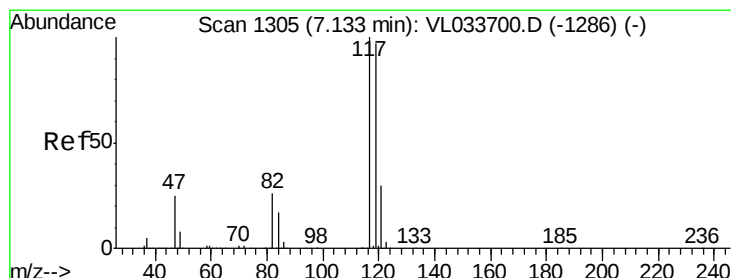
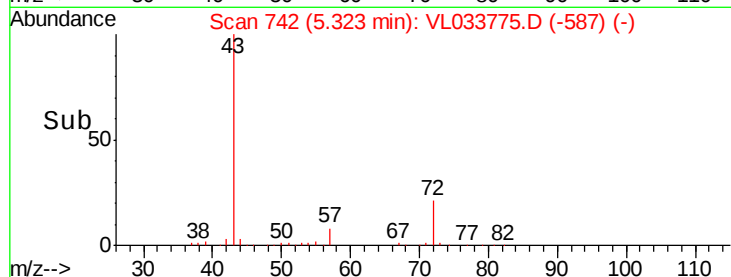
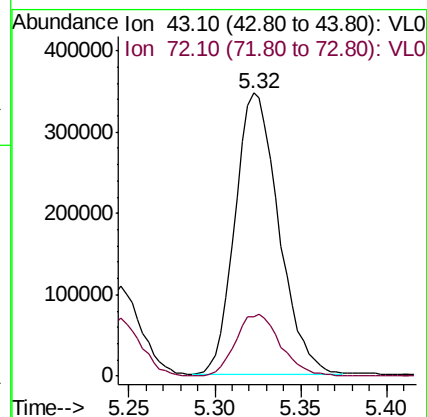
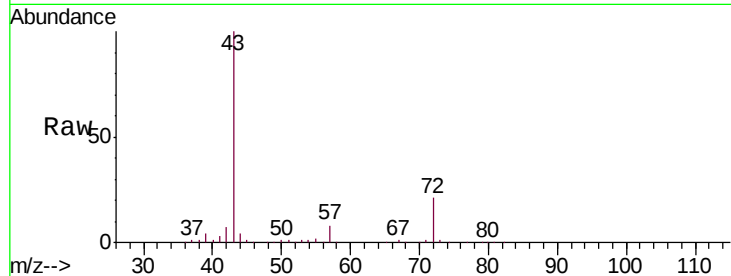
BPS1-SG-3004-25

Tgt Ion: 43 Resp: 613884

Ion Ratio Lower Upper

43 100

72 22.7 17.8 26.6



#35

Carbon Tetrachloride

Concen: 0.017 ppbv

RT: 7.12 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

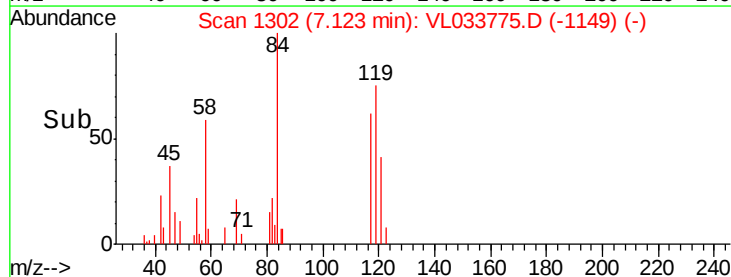
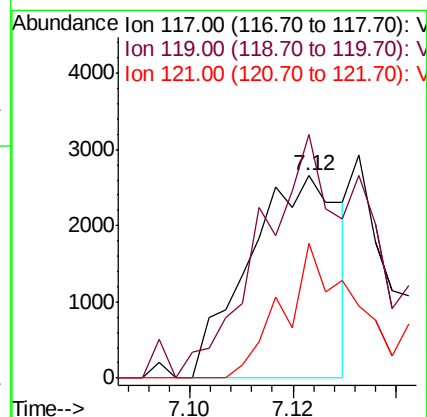
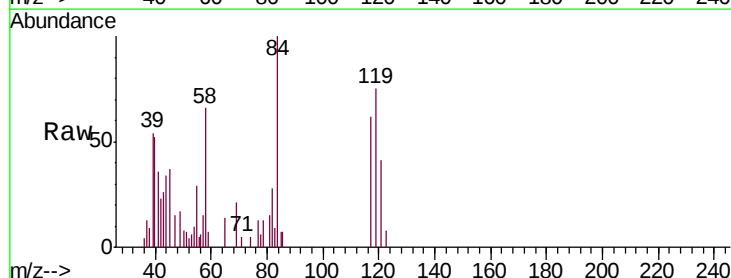
Tgt Ion: 117 Resp: 3260

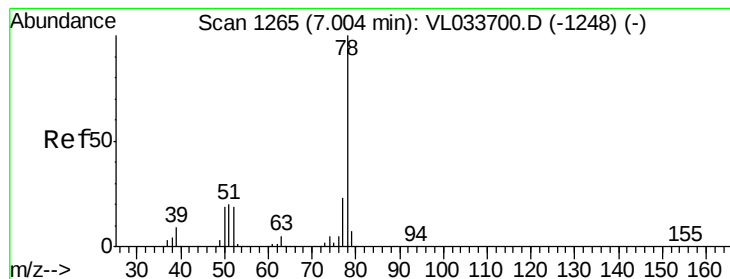
Ion Ratio Lower Upper

117 100

119 107.3 77.2 115.8

121 66.6 24.1 36.1#





#36

Benzene

Concen: 1.666 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

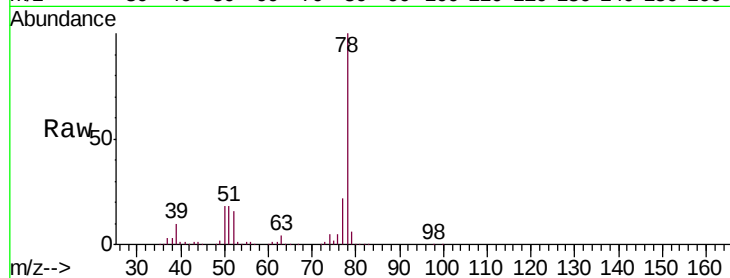
Tgt Ion: 78 Resp: 365080

Ion Ratio Lower Upper

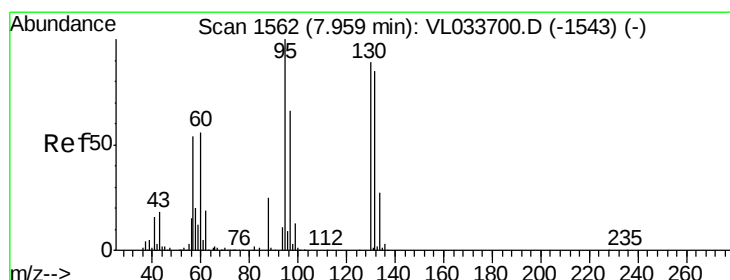
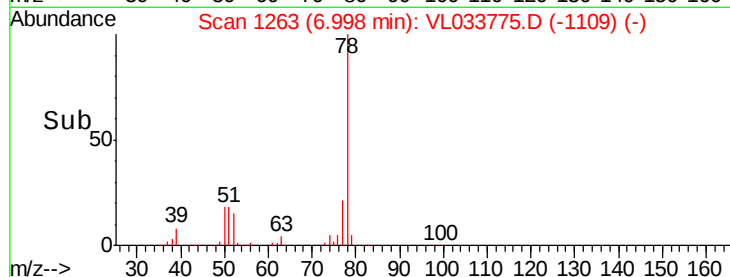
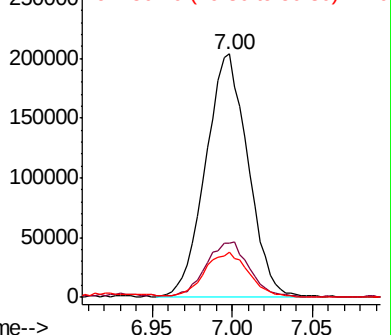
78 100

77 21.5 18.4 27.6

50 18.1 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



#38

Trichloroethene

Concen: 0.015 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Tgt Ion: 130 Resp: 1243

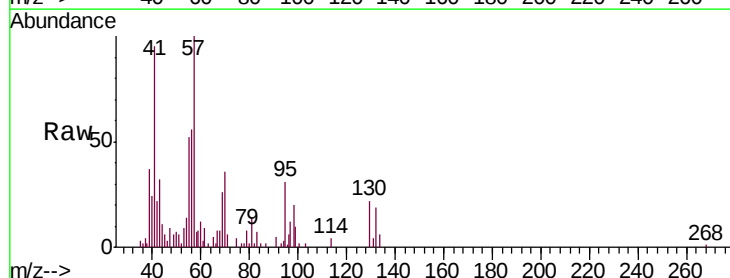
Ion Ratio Lower Upper

130 100

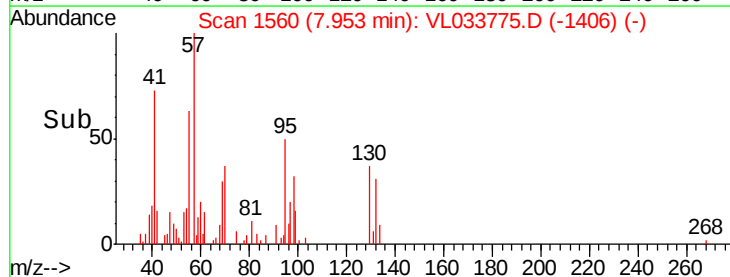
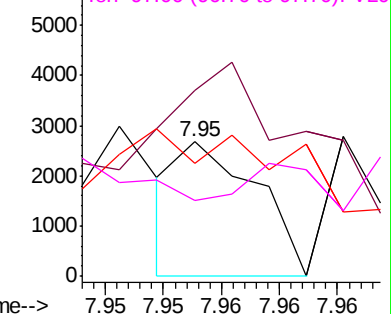
95 34.5 90.2 135.4#

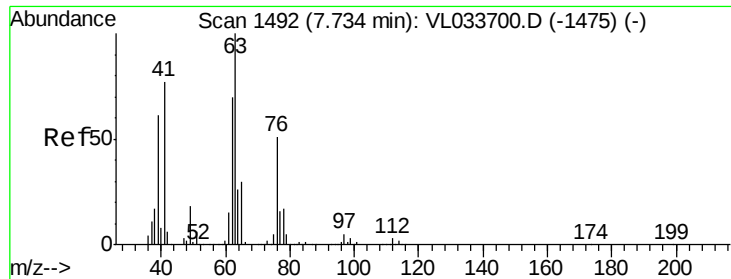
132 0.0 76.4 114.6#

97 0.0 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

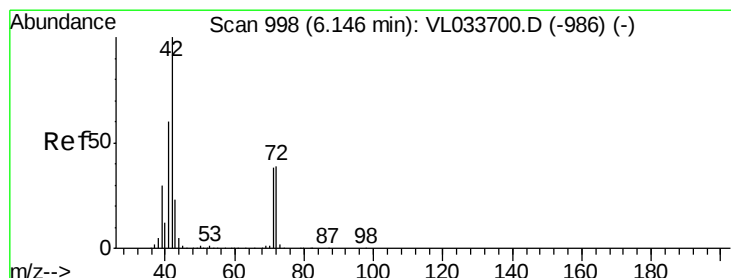
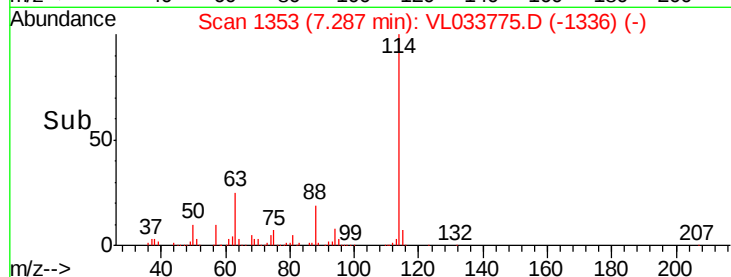
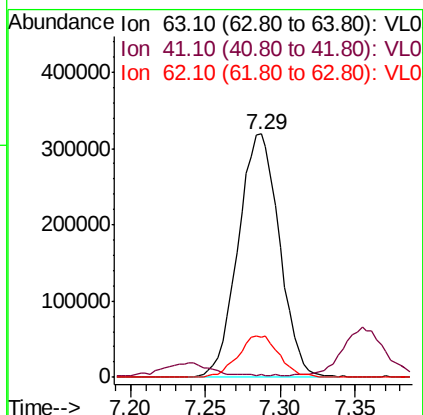
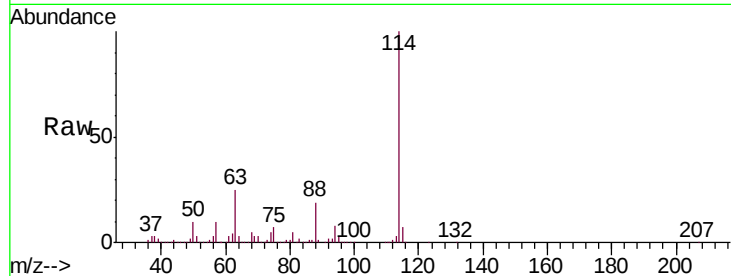




#39
 1,2-Dichloropropane
 Concen: 7.444 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

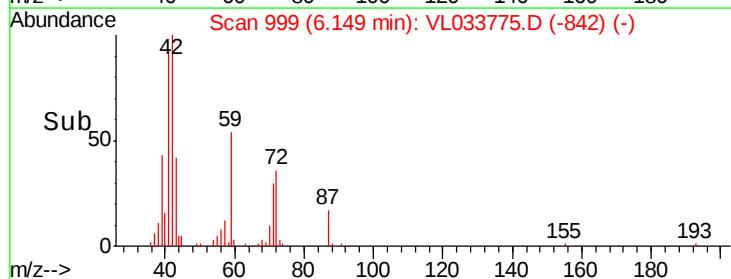
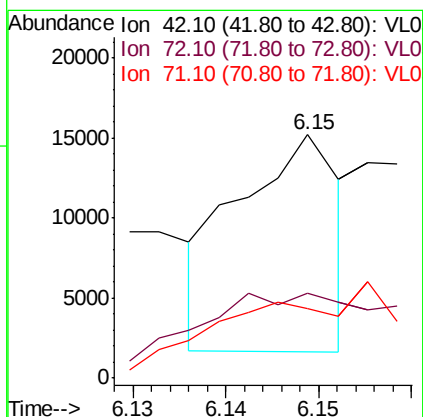
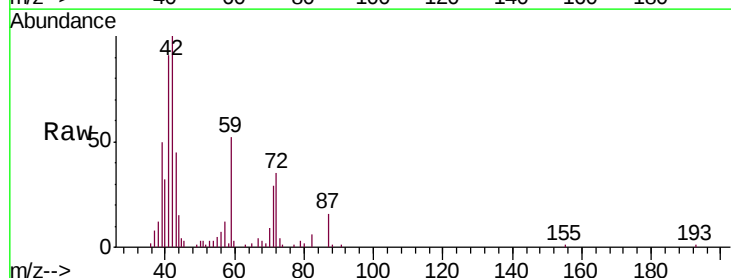
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

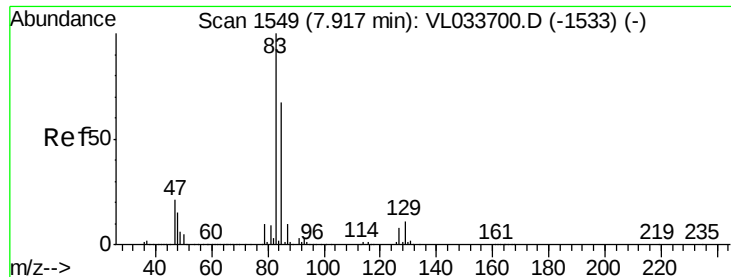
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.4	56.2	84.4#



#41
 Tetrahydrofuran
 Concen: 0.125 ppbv
 RT: 6.15 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion	Ratio	Lower	Upper
42	100		
72	130.7	32.0	48.0#
71	0.0	30.4	45.6#





#42

Bromodichloromethane

Concen: 0.025 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

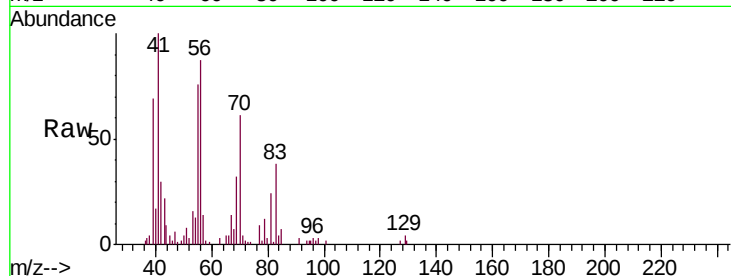
Tgt Ion: 83 Resp: 4806

Ion Ratio Lower Upper

83 100

85 0.0 53.3 79.9#

127 6.1 6.5 9.7#

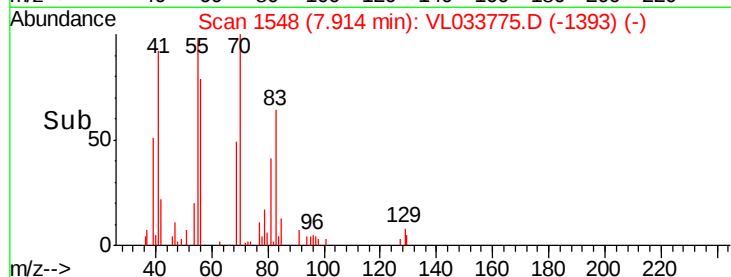


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

Time-->

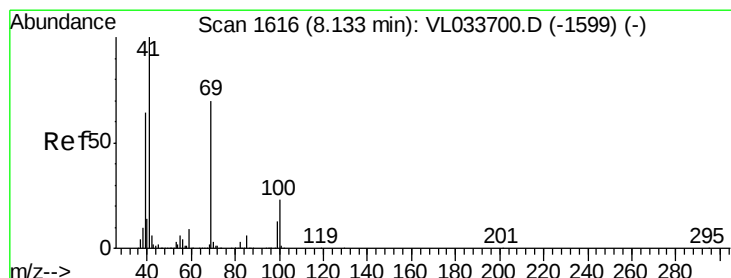


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0

Time-->



#43

Methyl Methacrylate

Concen: 0.019 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

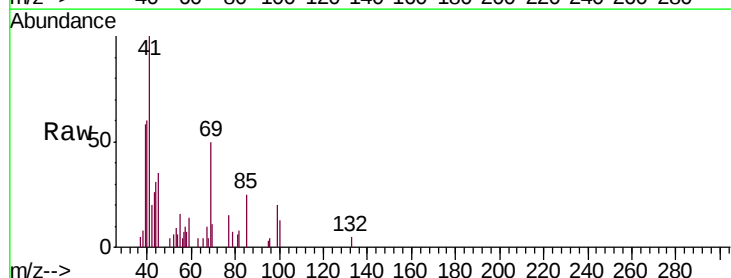
Tgt Ion: 69 Resp: 1532

Ion Ratio Lower Upper

69 100

41 0.0 116.3 174.5#

100 0.0 25.3 37.9#

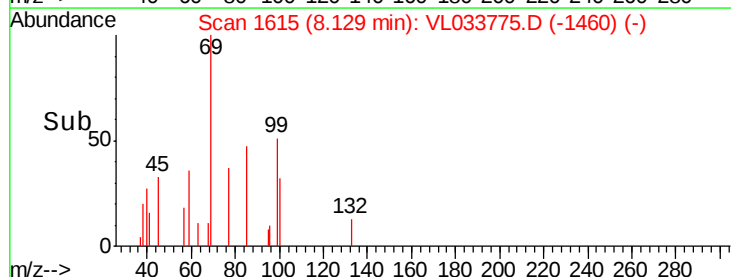


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

Time-->

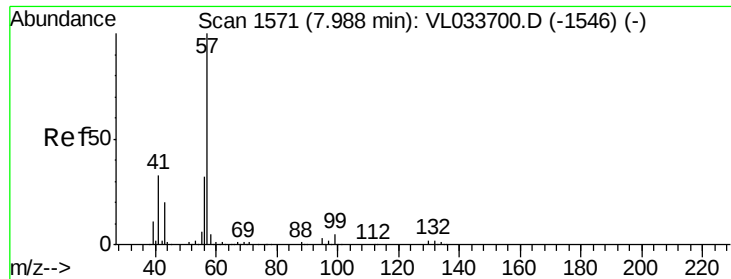


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

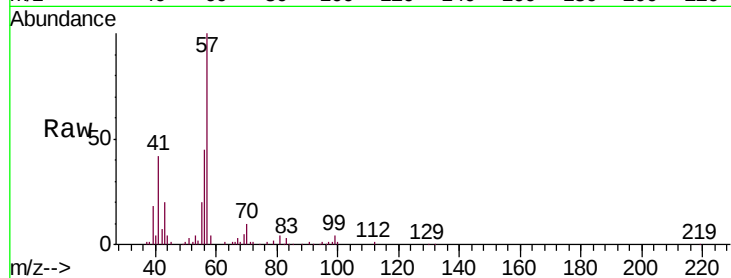
Time-->



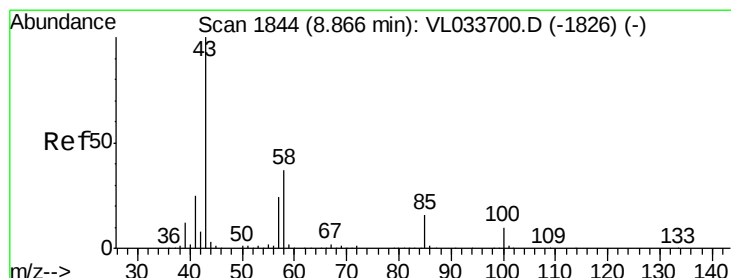
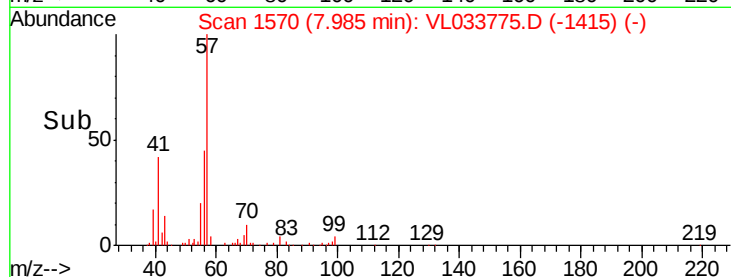
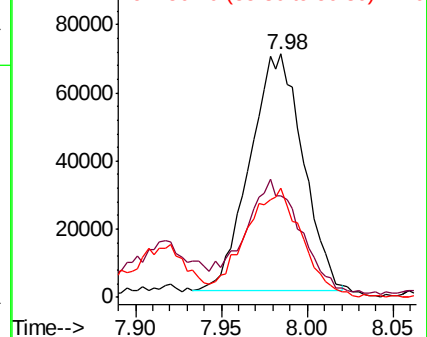
#44
 2,2,4-Trimethylpentane
 Concen: 0.400 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

Tgt Ion: 57 Resp: 148180
 Ion Ratio Lower Upper
 57 100
 41 53.2 25.4 38.0#
 56 49.7 24.7 37.1#

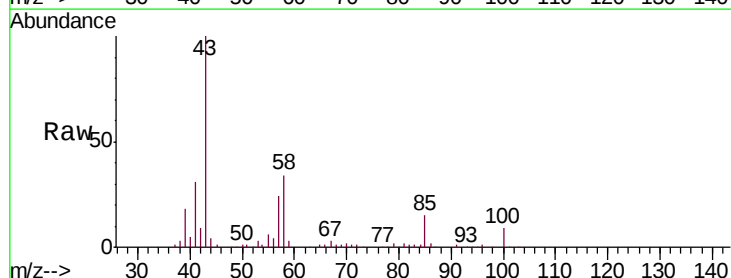


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

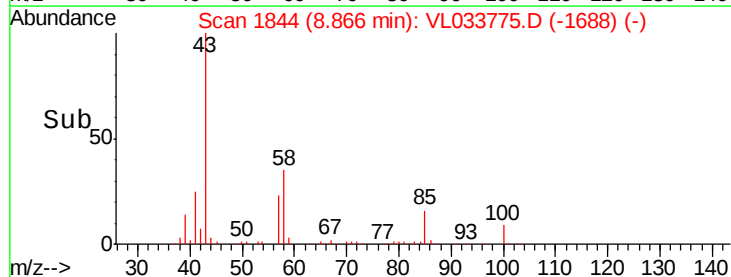
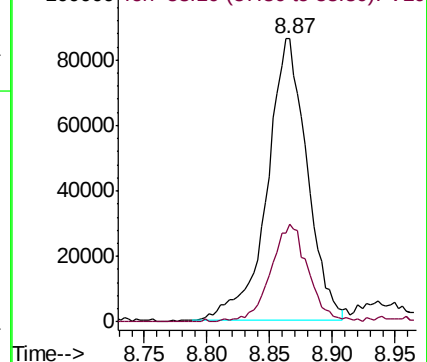


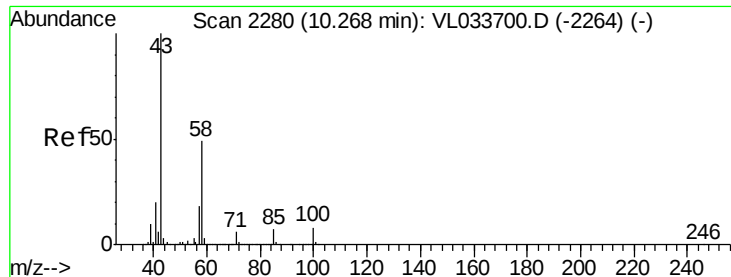
#50
 4-Methyl-2-Pentanone
 Concen: 0.832 ppbv
 RT: 8.87 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion: 43 Resp: 191208
 Ion Ratio Lower Upper
 43 100
 58 32.7 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0

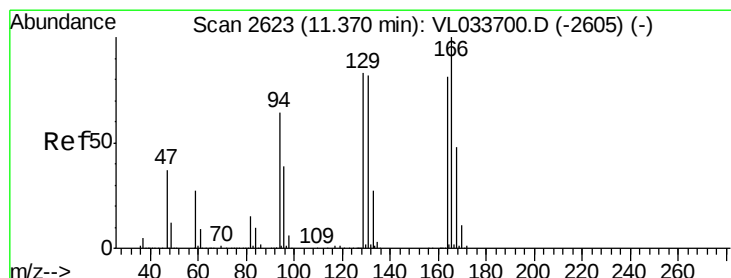
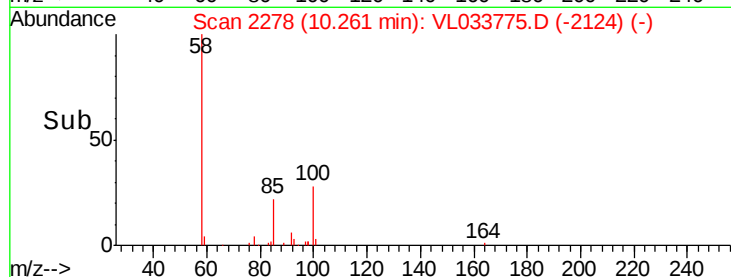
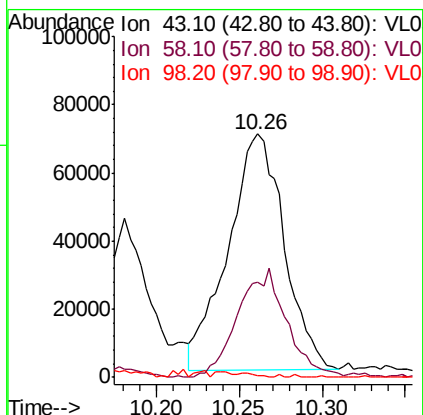
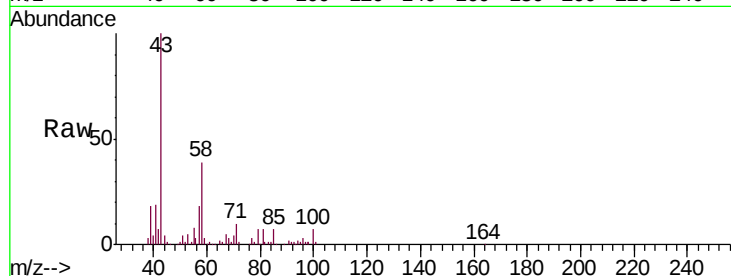




#51
2-Hexanone
Concen: 0.907 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

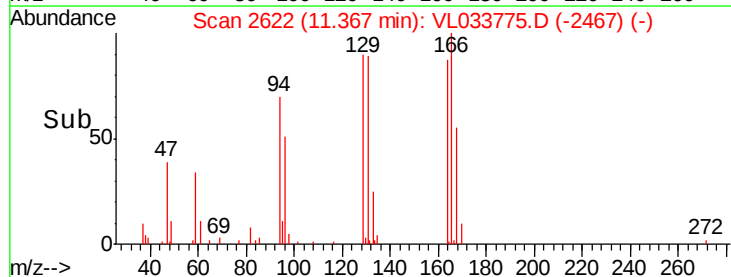
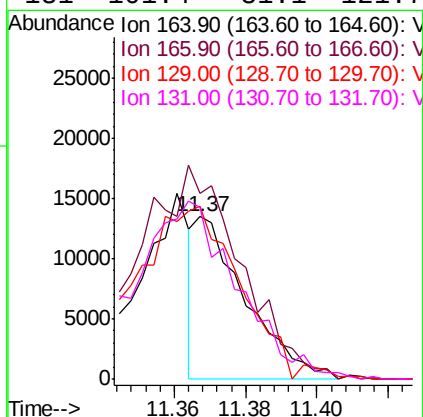
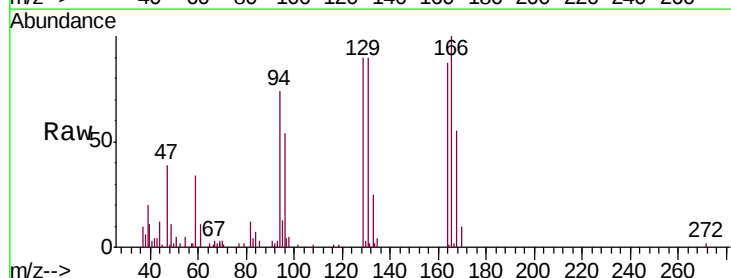
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

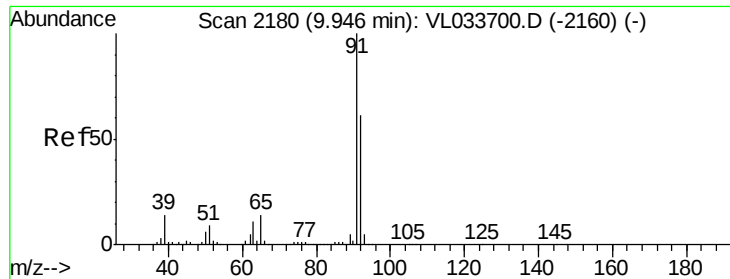
Tgt Ion: 43 Resp: 162542
Ion Ratio Lower Upper
43 100
58 40.0 38.7 58.1
98 1.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.170 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 164 Resp: 13112
Ion Ratio Lower Upper
164 100
166 116.8 98.9 148.3
129 105.0 81.8 122.6
131 101.4 81.1 121.7





#53

Toluene

Concen: 22.783 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

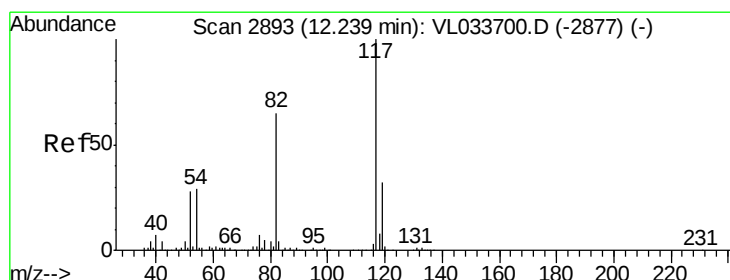
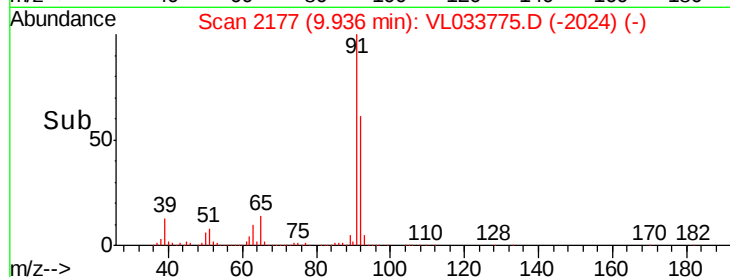
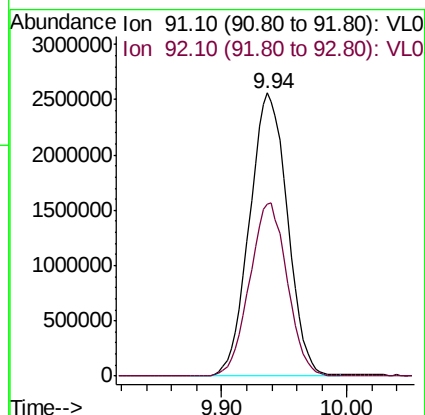
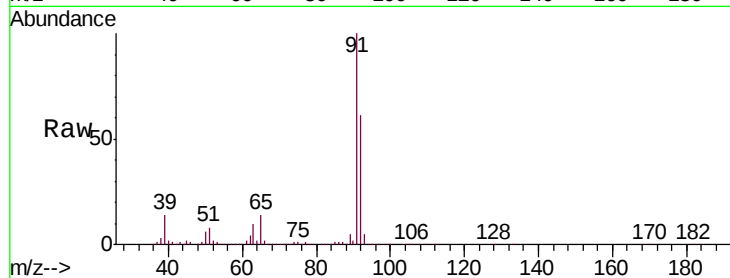
BPS1-SG-3004-25

Tgt Ion: 91 Resp: 5385524

Ion Ratio Lower Upper

91 100

92 60.9 47.6 71.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

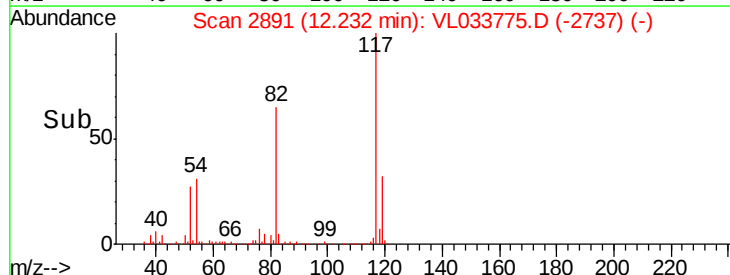
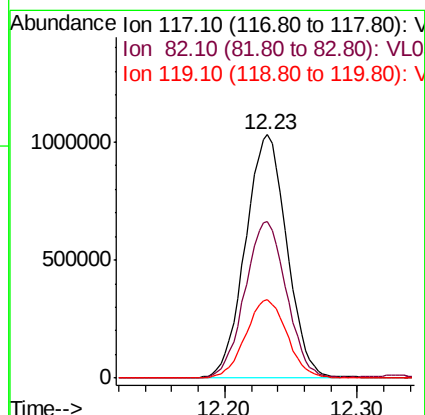
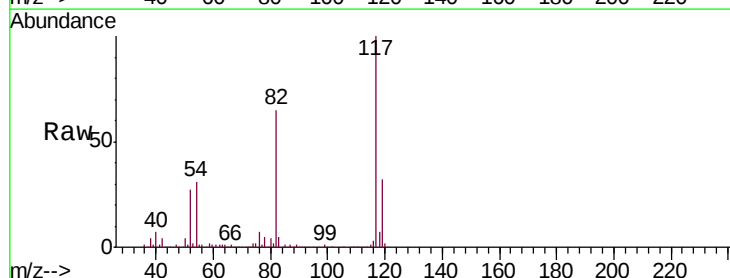
Tgt Ion: 117 Resp: 2237101

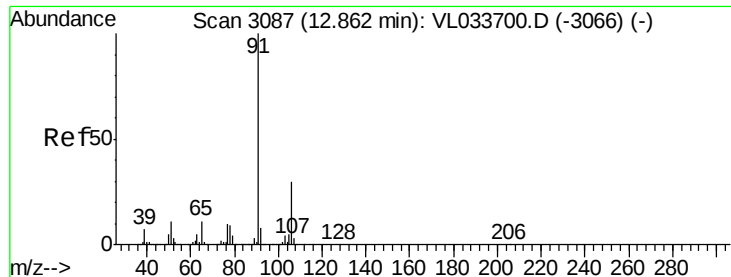
Ion Ratio Lower Upper

117 100

82 64.6 49.4 74.0

119 32.3 24.9 37.3





#58

Ethyl Benzene

Concen: 3.449 ppbv

RT: 12.86 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

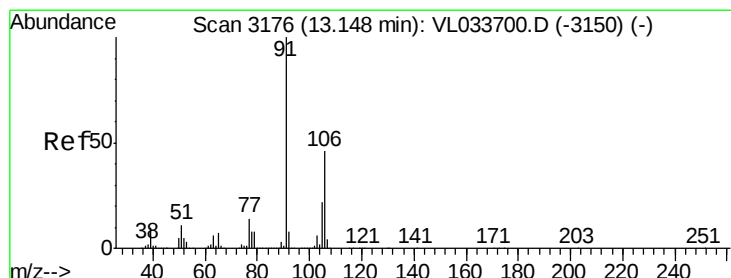
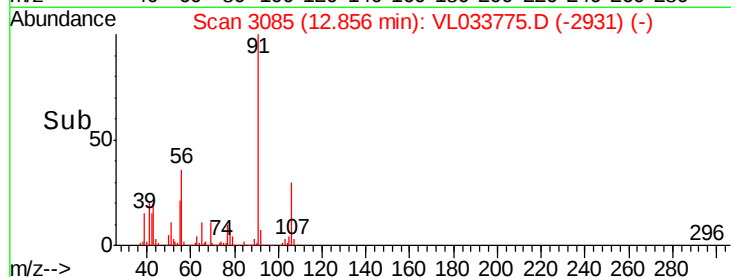
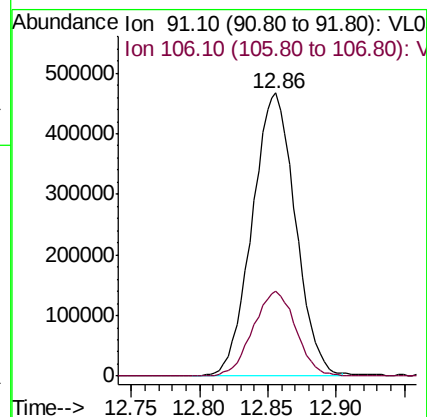
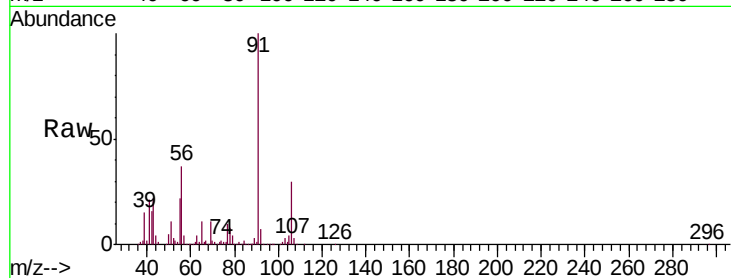
BPS1-SG-3004-25

Tgt Ion: 91 Resp: 1021690

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#59

m/p-Xylene

Concen: 12.935 ppbv

RT: 13.11 min Scan# 3164

Delta R.T. -0.04 min

Lab File: VL033775.D

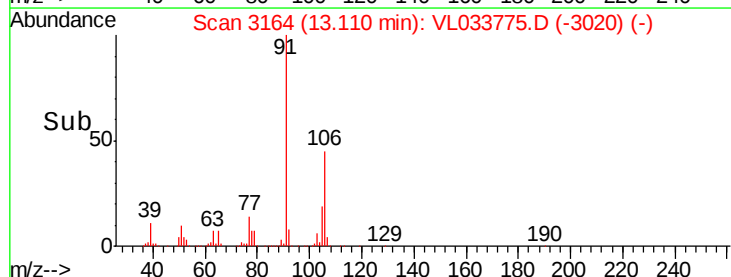
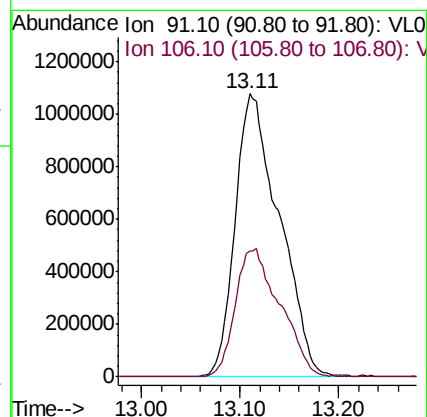
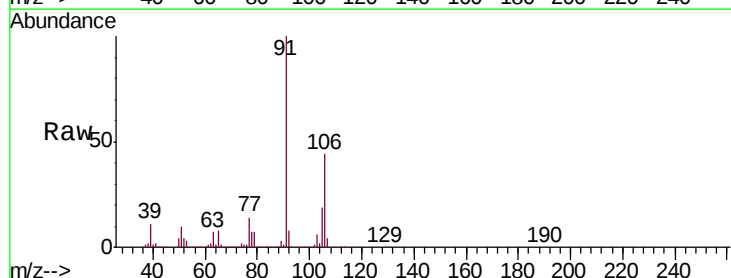
Acq: 23 May 2019 16:08

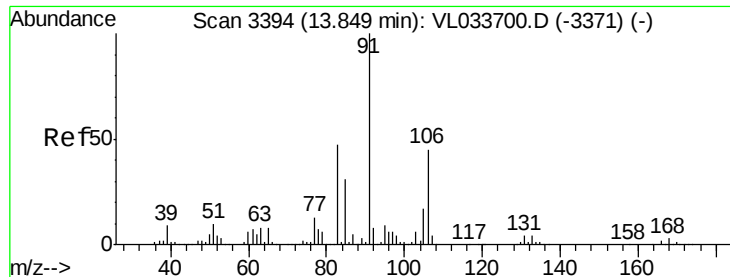
Tgt Ion: 91 Resp: 3349669

Ion Ratio Lower Upper

91 100

106 46.1 35.8 53.6

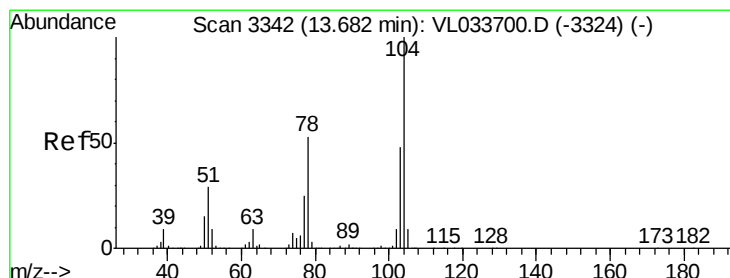
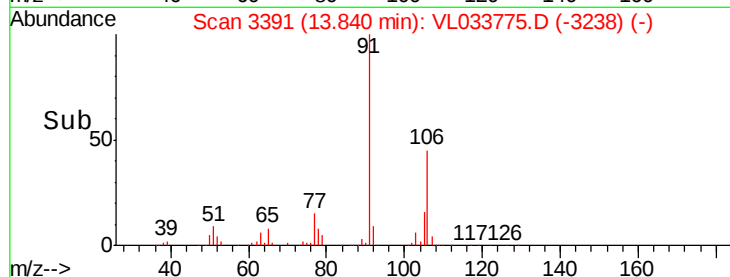
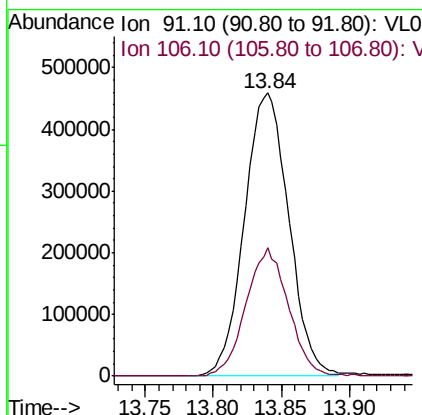
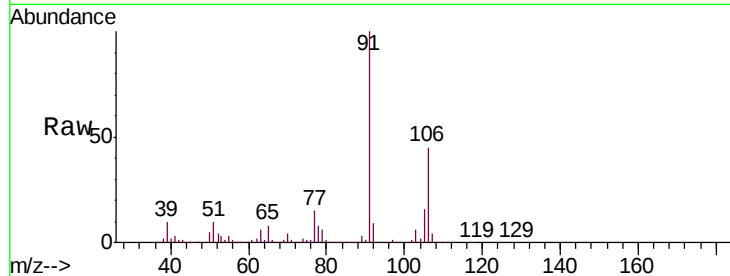




#60
o-Xylene
Concen: 3.939 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

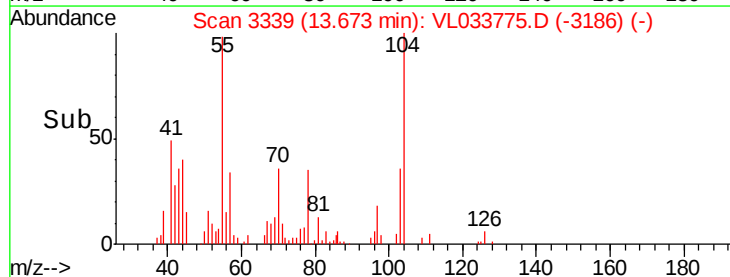
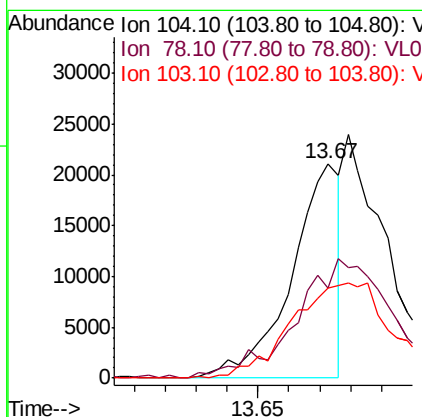
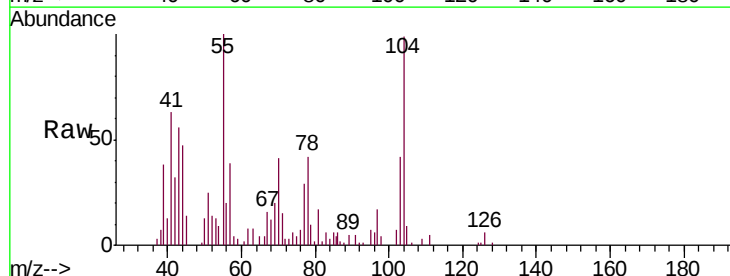
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

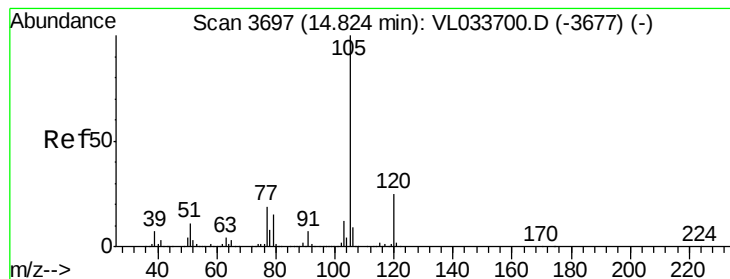
Tgt Ion: 91 Resp: 1028433
Ion Ratio Lower Upper
91 100
106 43.8 21.6 64.8



#61
Styrene
Concen: 0.130 ppbv
RT: 13.67 min Scan# 3339
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 104 Resp: 22896
Ion Ratio Lower Upper
104 100
78 0.0 42.6 64.0#
103 0.0 37.8 56.6#





#62

Isopropylbenzene

Concen: 0.122 ppbv

RT: 14.81 min Scan# 3694

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

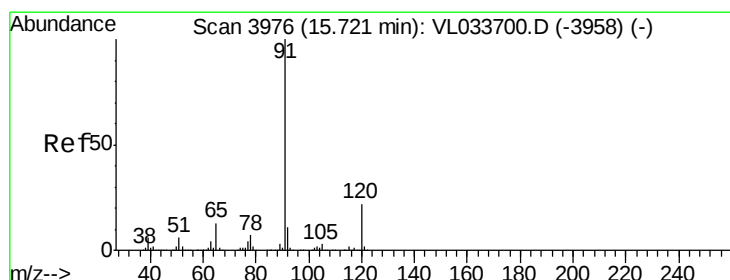
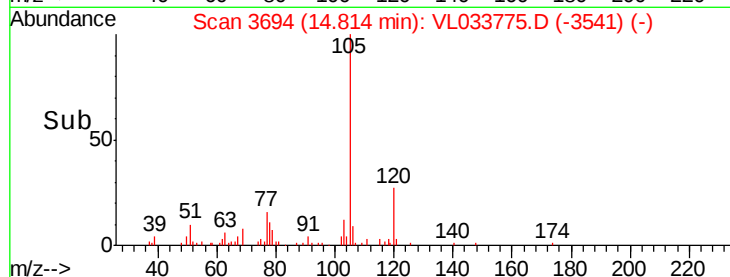
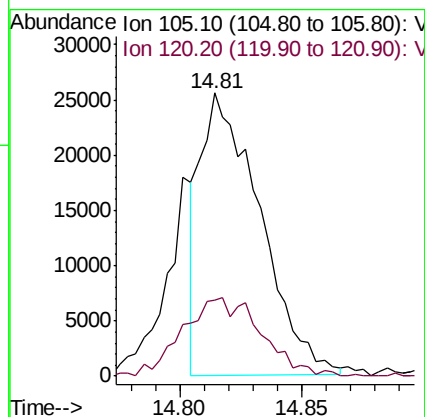
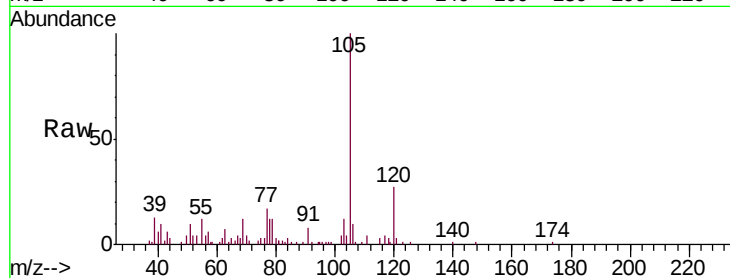
BPS1-SG-3004-25

Tgt Ion:105 Resp: 43022

Ion Ratio Lower Upper

105 100

120 37.3 20.1 30.1#



#64

n-propylbenzene

Concen: 0.620 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL033775.D

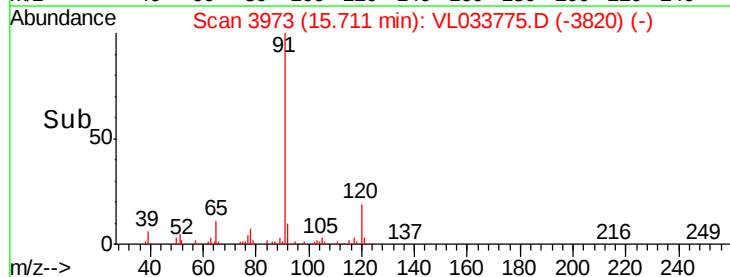
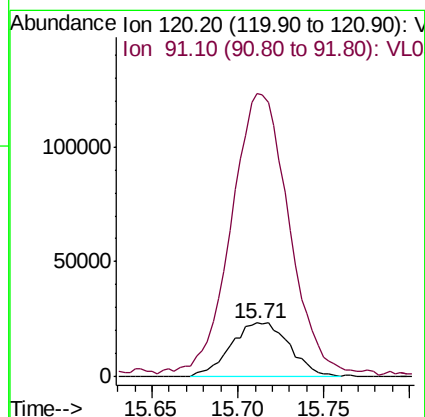
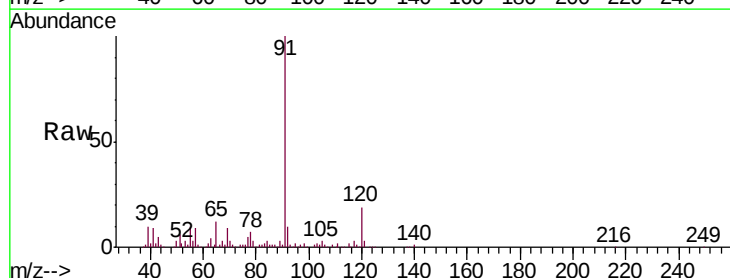
Acq: 23 May 2019 16:08

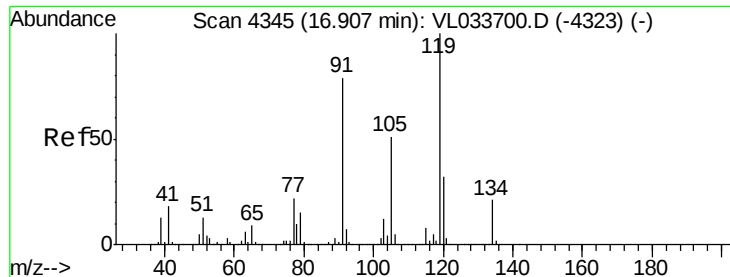
Tgt Ion:120 Resp: 56383

Ion Ratio Lower Upper

120 100

91 531.7 379.1 568.7

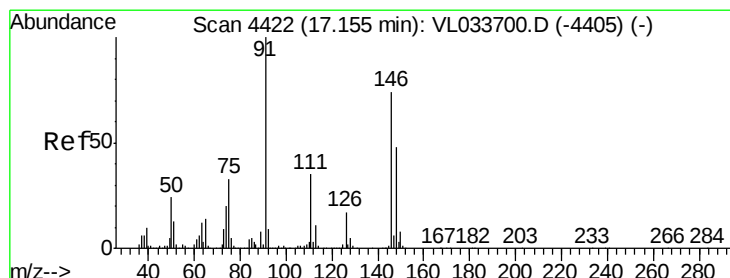
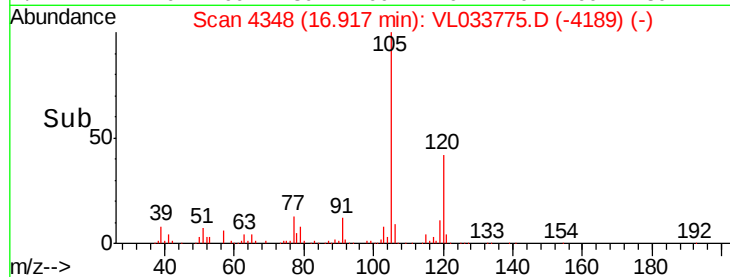
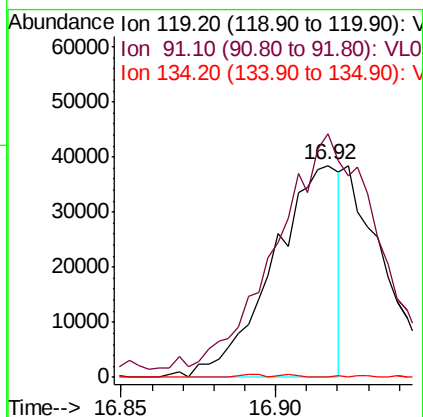
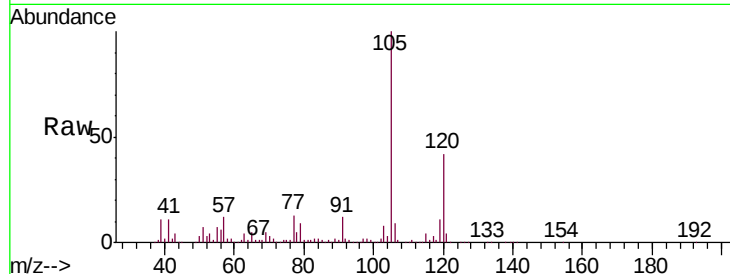




#65
 tert-Butylbenzene
 Concen: 0.177 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. 0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

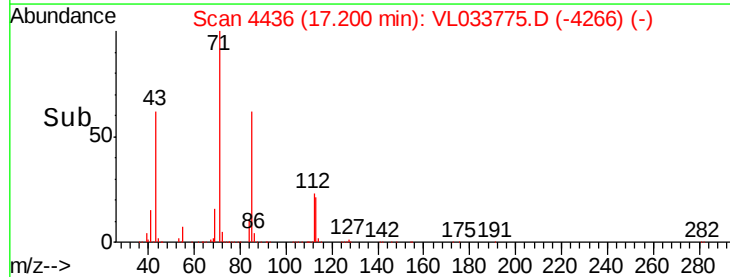
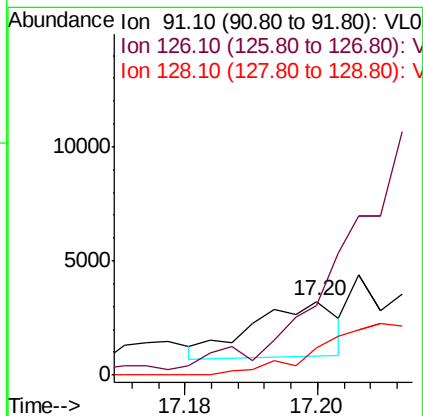
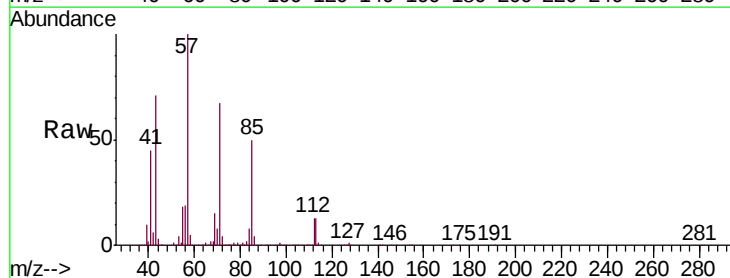
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

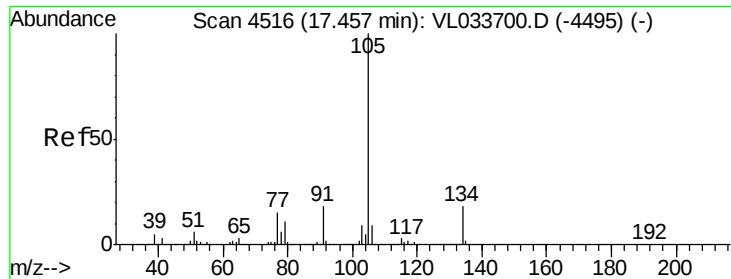
Tgt Ion: 119 Resp: 56938
 Ion Ratio Lower Upper
 119 100
 91 169.7 65.3 97.9#
 134 0.9 15.7 23.5#



#66
 Benzyl Chloride
 Concen: 0.014 ppbv
 RT: 17.20 min Scan# 4436
 Delta R.T. 0.05 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion: 91 Resp: 2102
 Ion Ratio Lower Upper
 91 100
 126 254.8 13.5 20.3#
 128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.038 ppbv

RT: 17.45 min Scan# 4514

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

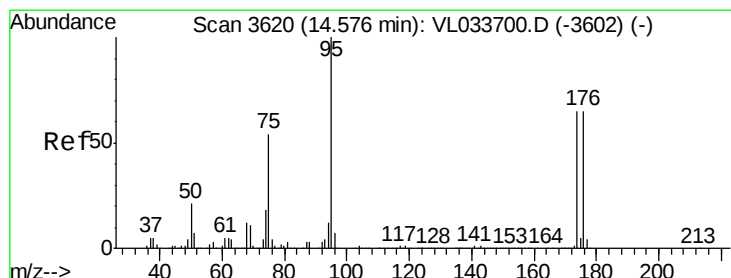
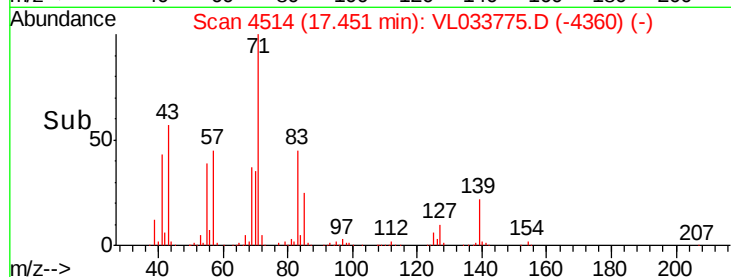
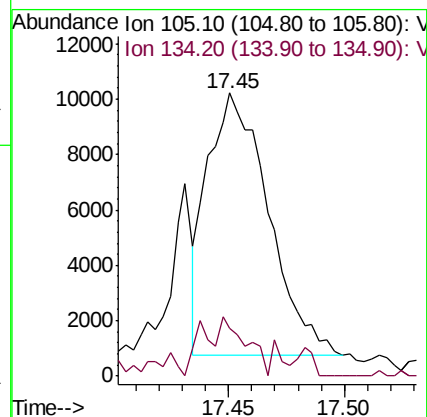
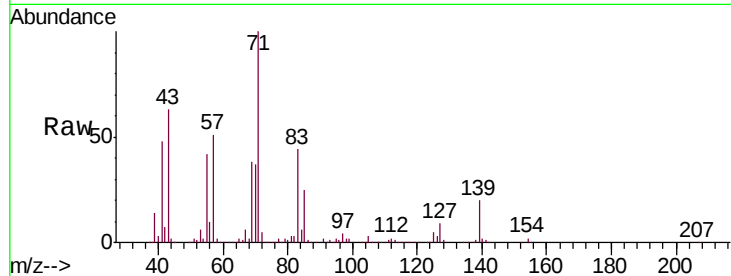
BPS1-SG-3004-25

Tgt Ion: 105 Resp: 17236

Ion Ratio Lower Upper

105 100

134 24.1 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.367 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

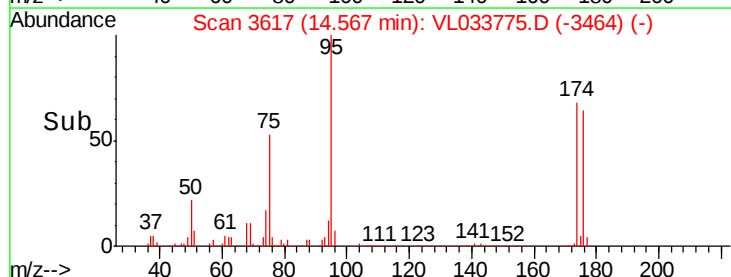
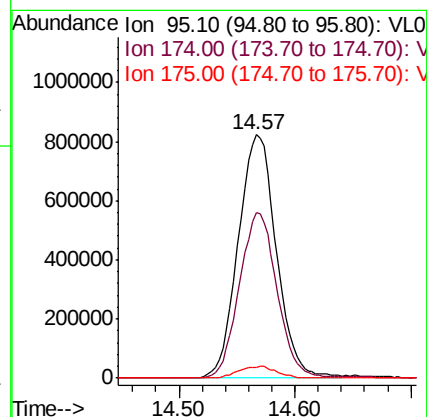
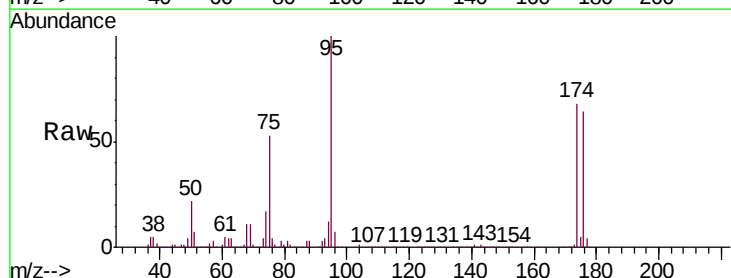
Tgt Ion: 95 Resp: 1880155

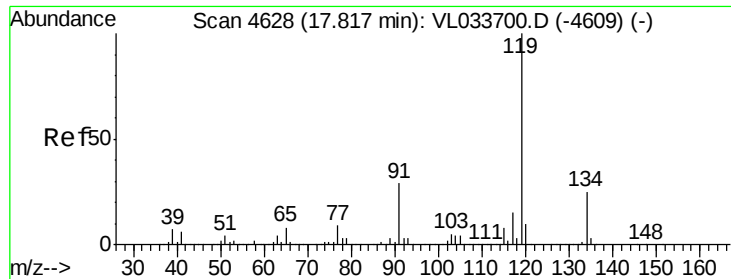
Ion Ratio Lower Upper

95 100

174 68.0 53.9 80.9

175 4.9 3.8 5.8

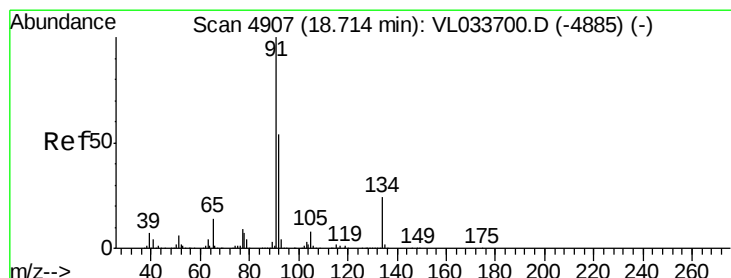
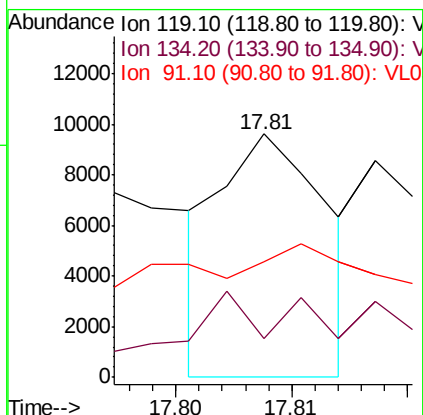
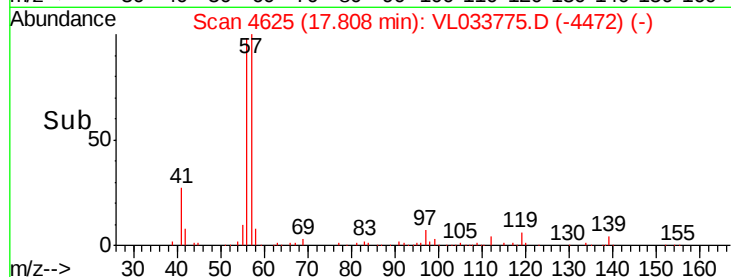
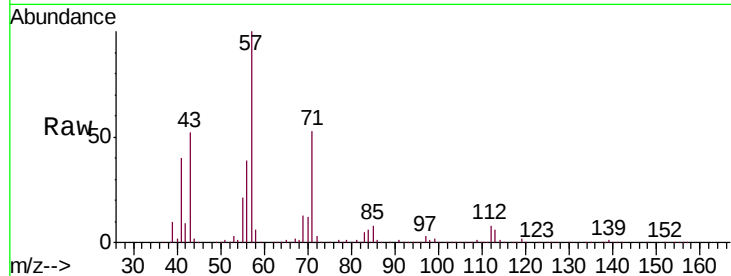




#69
p-Isopropyltoluene
Concen: 0.016 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

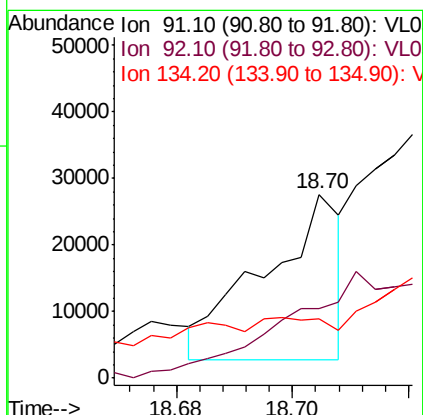
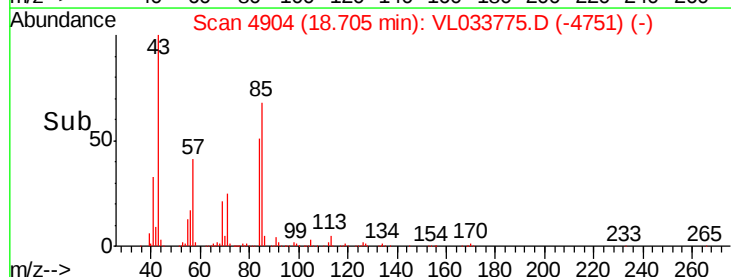
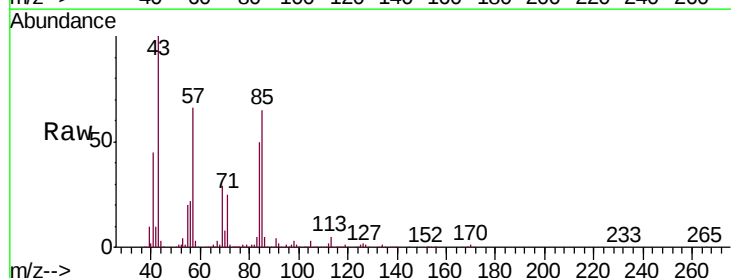
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3004-25

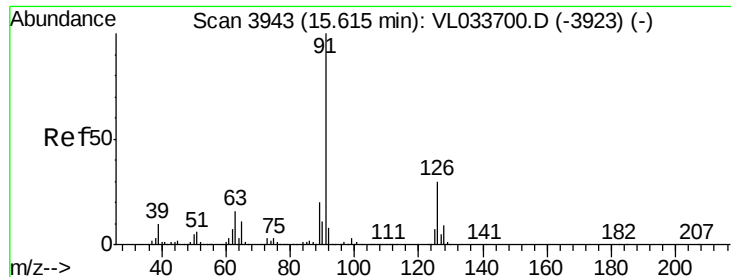
Tgt Ion: 119 Resp: 6093
Ion Ratio Lower Upper
119 100
134 96.3 20.3 30.5#
91 88.2 23.1 34.7#



#70
n-Butylbenzene
Concen: 0.058 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033775.D
Acq: 23 May 2019 16:08

Tgt Ion: 91 Resp: 22938
Ion Ratio Lower Upper
91 100
92 167.5 42.6 63.8#
134 0.0 18.1 27.1#

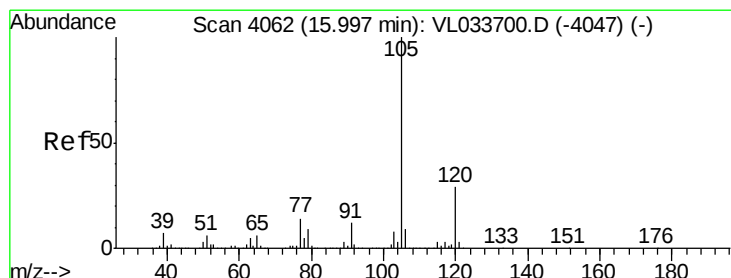
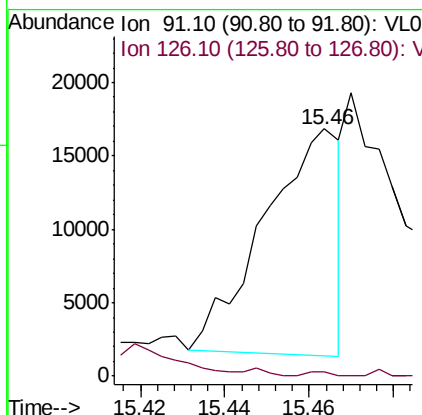
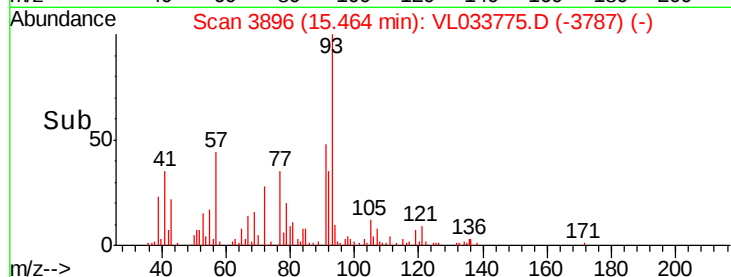
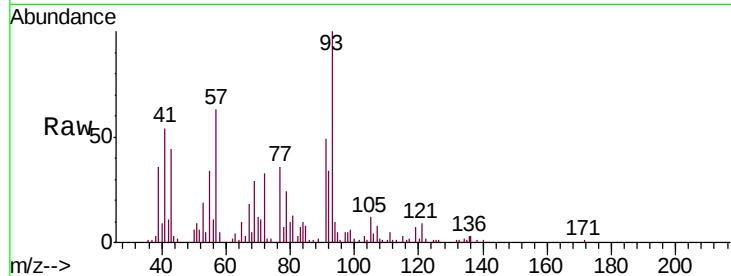




#71
 2-Chlorotoluene
 Concen: 0.074 ppbv
 RT: 15.46 min Scan# 3896
 Delta R.T. -0.15 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

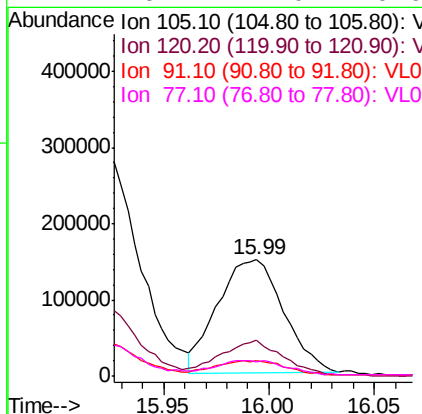
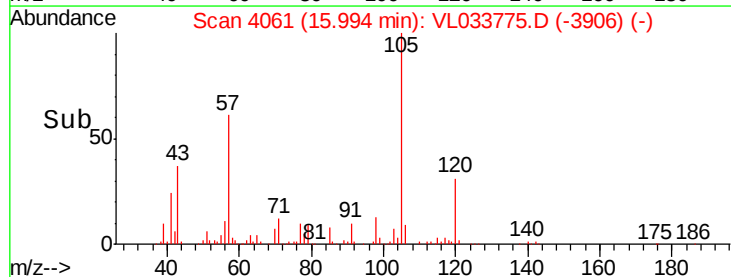
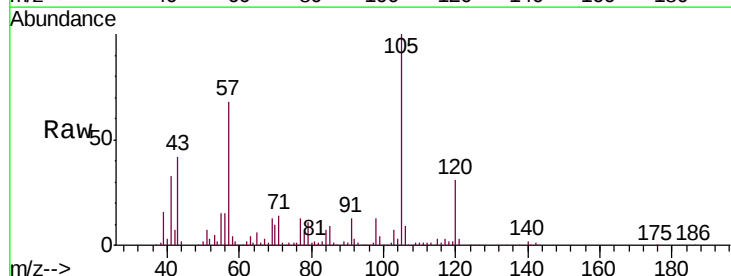
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

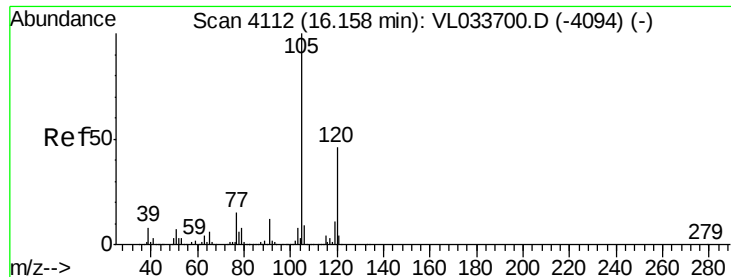
Tgt Ion: 91 Resp: 19265
 Ion Ratio Lower Upper
 91 100
 126 24.7 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 1.073 ppbv
 RT: 15.99 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion: 105 Resp: 320302
 Ion Ratio Lower Upper
 105 100
 120 30.9 23.1 34.7
 91 13.6 10.4 15.6
 77 16.7 11.0 16.6#

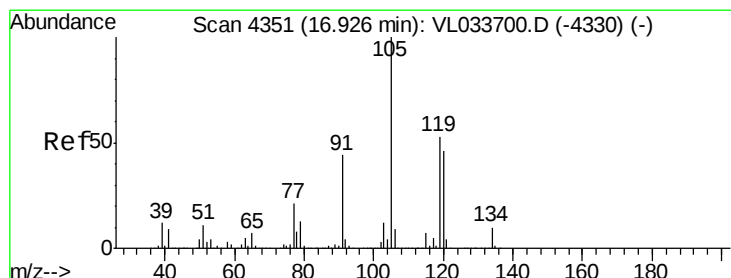
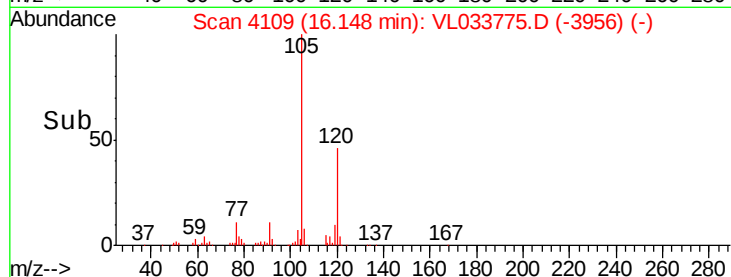
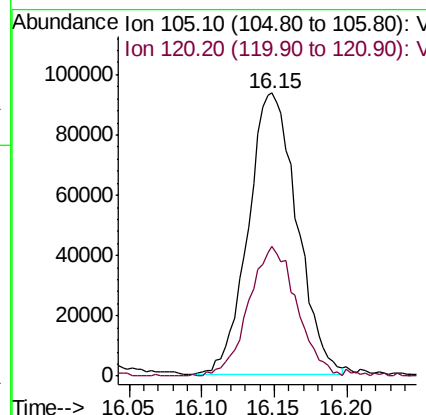
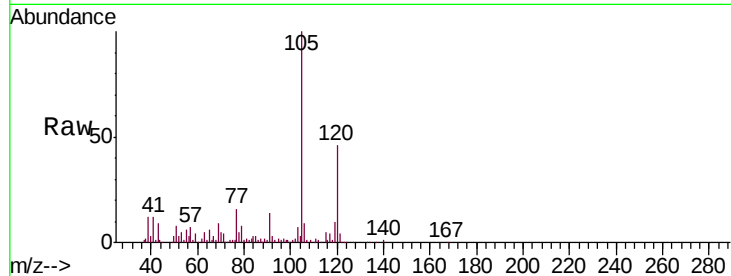




#73
 1,3,5-Trimethylbenzene
 Concen: 0.747 ppbv
 RT: 16.15 min Scan# 4109
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

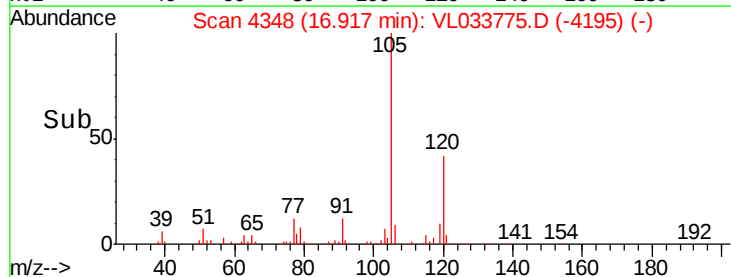
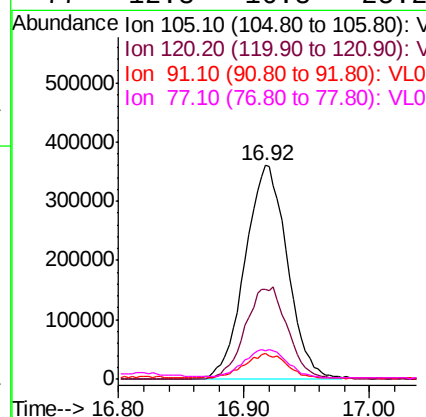
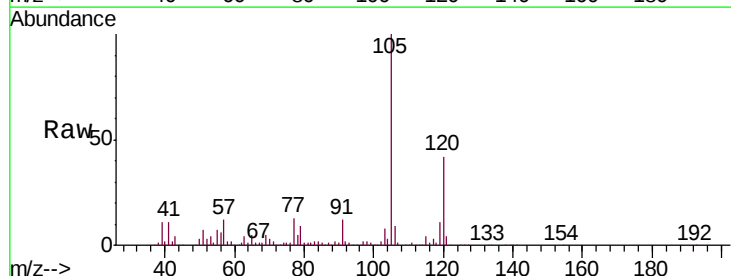
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

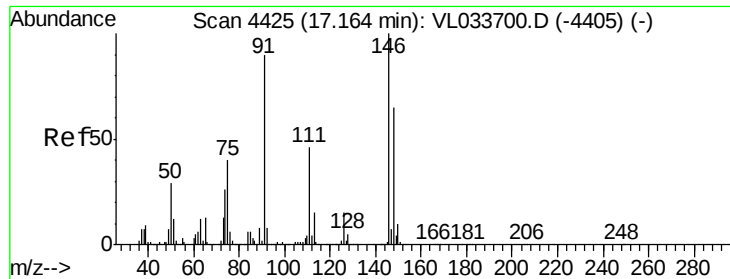
Tgt Ion:105 Resp: 217527
 Ion Ratio Lower Upper
 105 100
 120 46.2 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 2.652 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion:105 Resp: 840401
 Ion Ratio Lower Upper
 105 100
 120 42.2 36.8 55.2
 91 11.5 35.4 53.0#
 77 12.3 16.8 25.2#

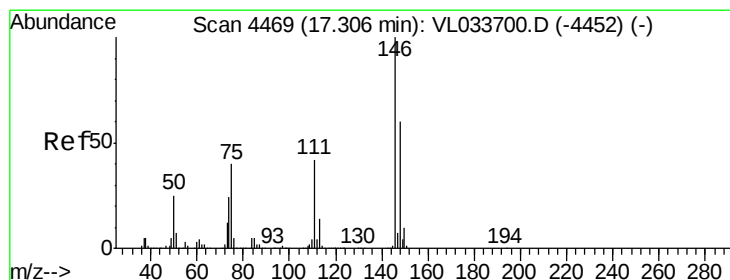
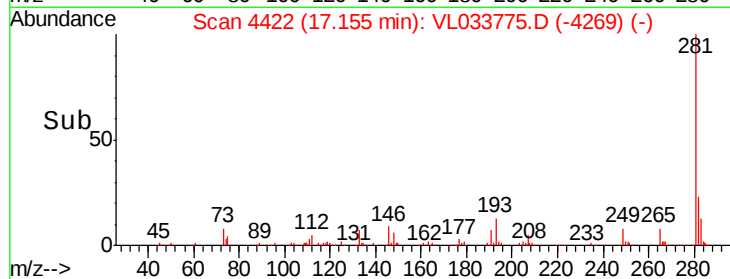
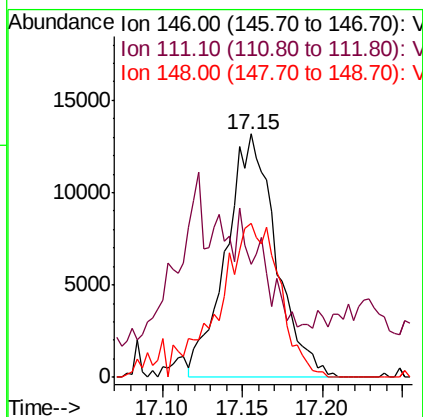
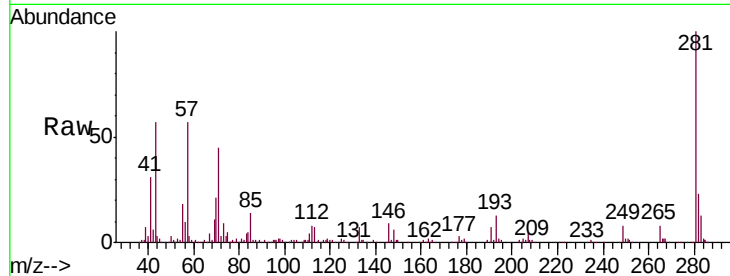




#75
 1,3-Dichlorobenzene
 Concen: 0.145 ppbv
 RT: 17.15 min Scan# 4422
 Delta R.T. -0.01 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

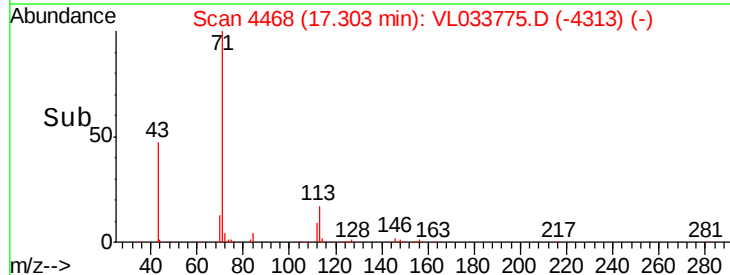
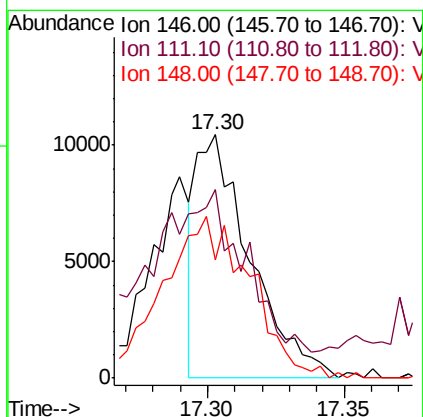
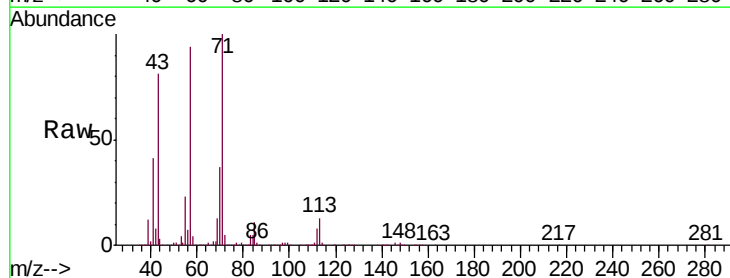
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3004-25

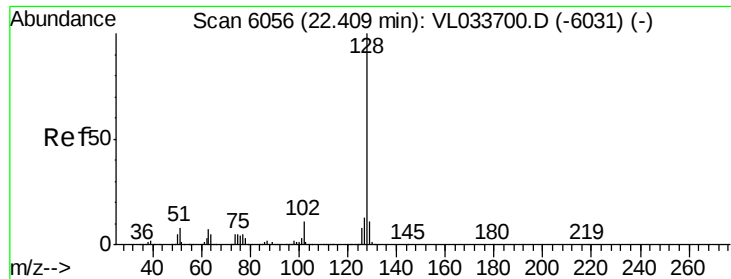
Tgt Ion:146 Resp: 28205
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.9 68.8#
 148 81.4 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 0.077 ppbv
 RT: 17.30 min Scan# 4468
 Delta R.T. -0.00 min
 Lab File: VL033775.D
 Acq: 23 May 2019 16:08

Tgt Ion:146 Resp: 14257
 Ion Ratio Lower Upper
 146 100
 111 109.6 21.9 65.8#
 148 109.7 32.1 96.3#





#79

Naphthalene

Concen: 0.153 ppbv

RT: 22.42 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3004-25

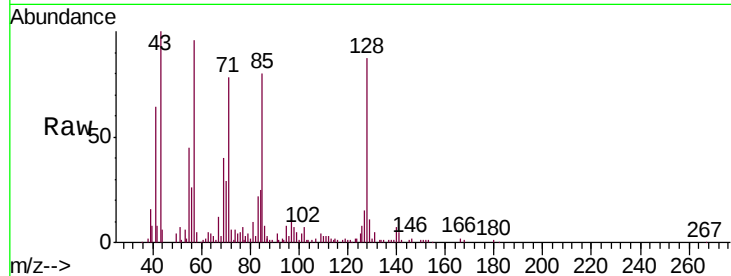
Tgt Ion:128 Resp: 45078

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

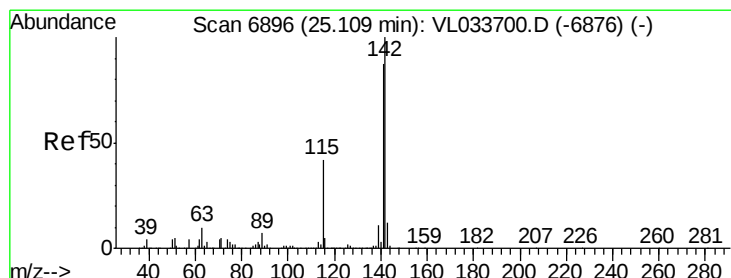
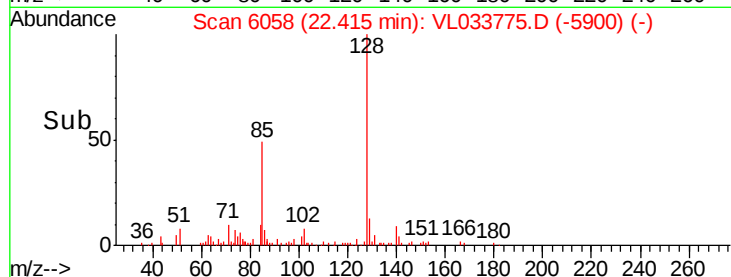
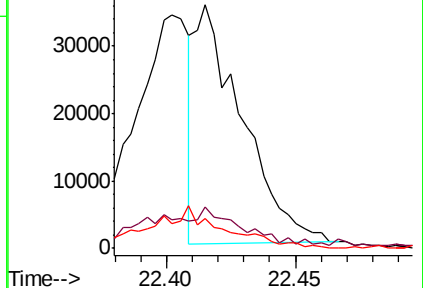
129 12.5 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.083 ppbv

RT: 25.11 min Scan# 6896

Delta R.T. 0.00 min

Lab File: VL033775.D

Acq: 23 May 2019 16:08

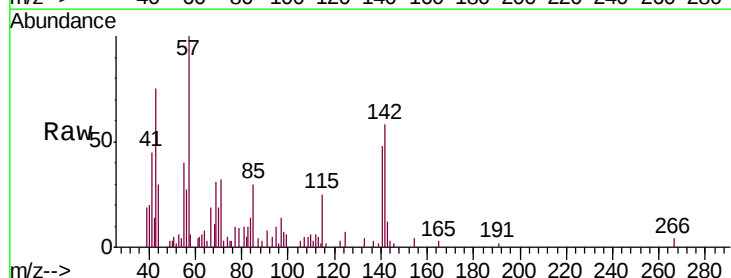
Tgt Ion:142 Resp: 9282

Ion Ratio Lower Upper

142 100

141 91.6 67.2 100.8

115 59.4 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

