

Data File : VL033746.D
Acq On : 22 May 2019 16:11
Operator : SY/AP
Sample : K2929-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

Quant Time: May 23 04:21:37 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	904780	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2180085	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2550583	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1879954	9.09	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	30802	0.162	ppbv	98
3) Chlorodifluoromethane	2.98	51	64889	0.626	ppbv #	81
4) Chloromethane	3.17	50	58097	0.980	ppbv	89
5) Vinyl Chloride	3.28	62	1319	0.022	ppbv #	44
6) Bromomethane	3.51	94	508	0.014	ppbv #	4
7) Chloroethane	3.60	64	1818	0.085	ppbv #	41
8) Dichlorotetrafluoroethane	3.21	85	3292	0.021	ppbv #	83
9) Propene	3.03	41	143851	3.263	ppbv	100
10) Heptane	8.23	43	210899	1.689	ppbv	98
11) Trichlorofluoromethane	4.00	101	103687	0.570	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.54	101	63770	0.502	ppbv	99
13) Ethanol	3.67	45	5118535	359.250	ppbv	100
15) Acetone	3.89	43	5128856	40.856	ppbv	94
16) 1,3-Butadiene	3.34	39	449154	8.985	ppbv #	11
17) tert-Butyl alcohol	4.38	59	472502	4.655	ppbv	99
19) Isopropyl Alcohol	4.05	45	2316127	28.615	ppbv	100
20) Methylene Chloride	4.40	84	180292	3.730	ppbv	96
21) Allyl Chloride	4.38	41	181285	2.315	ppbv #	65
23) Vinyl Acetate	5.14	43	317968	1.921	ppbv #	1
25) Ethyl Acetate	5.75	43	9133215	41.416	ppbv #	87
26) Hexane	5.77	57	285885	3.016	ppbv #	1
27) Carbon Disulfide	4.61	76	452076	3.476	ppbv	99
28) Methyl tert-Butyl Ether	5.10	73	1858	0.012	ppbv #	54
29) Chloroform	5.85	83	7726	0.044	ppbv	86
30) Cyclohexane	7.24	84	106648	1.338	ppbv	94
31) cis-1,2-Dichloroethene	5.75	61	1324950	14.095	ppbv #	25
34) 2-Butanone	5.33	43	275370	2.038	ppbv	97
35) Carbon Tetrachloride	7.13	117	4744	0.027	ppbv #	81
36) Benzene	7.00	78	17459	0.088	ppbv	94
37) 1,2-Dichloroethane	6.40	62	3835	0.030	ppbv #	68
38) Trichloroethene	7.95	130	7473	0.102	ppbv	96
39) 1,2-Dichloropropane	7.28	63	565217	7.645	ppbv #	23
40) 1,4-Dioxane	7.95	88	473	0.015	ppbv #	1
41) Tetrahydrofuran	6.12	42	39948	0.528	ppbv #	48
42) Bromodichloromethane	7.91	83	8805	0.050	ppbv #	29
43) Methyl Methacrylate	8.13	69	49528	0.679	ppbv	94
44) 2,2,4-Trimethylpentane	7.98	57	20279	0.061	ppbv #	1
50) 4-Methyl-2-Pentanone	8.86	43	16628	0.080	ppbv #	38
51) 2-Hexanone	10.24	43	22251	0.137	ppbv #	72
53) Toluene	9.94	91	6795627	31.771	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.81	131	44985	0.381	ppbv #	1

Data File : VL033746.D
Acq On : 22 May 2019 16:11
Operator : SY/AP
Sample : K2929-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

Quant Time: May 23 04:21:37 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

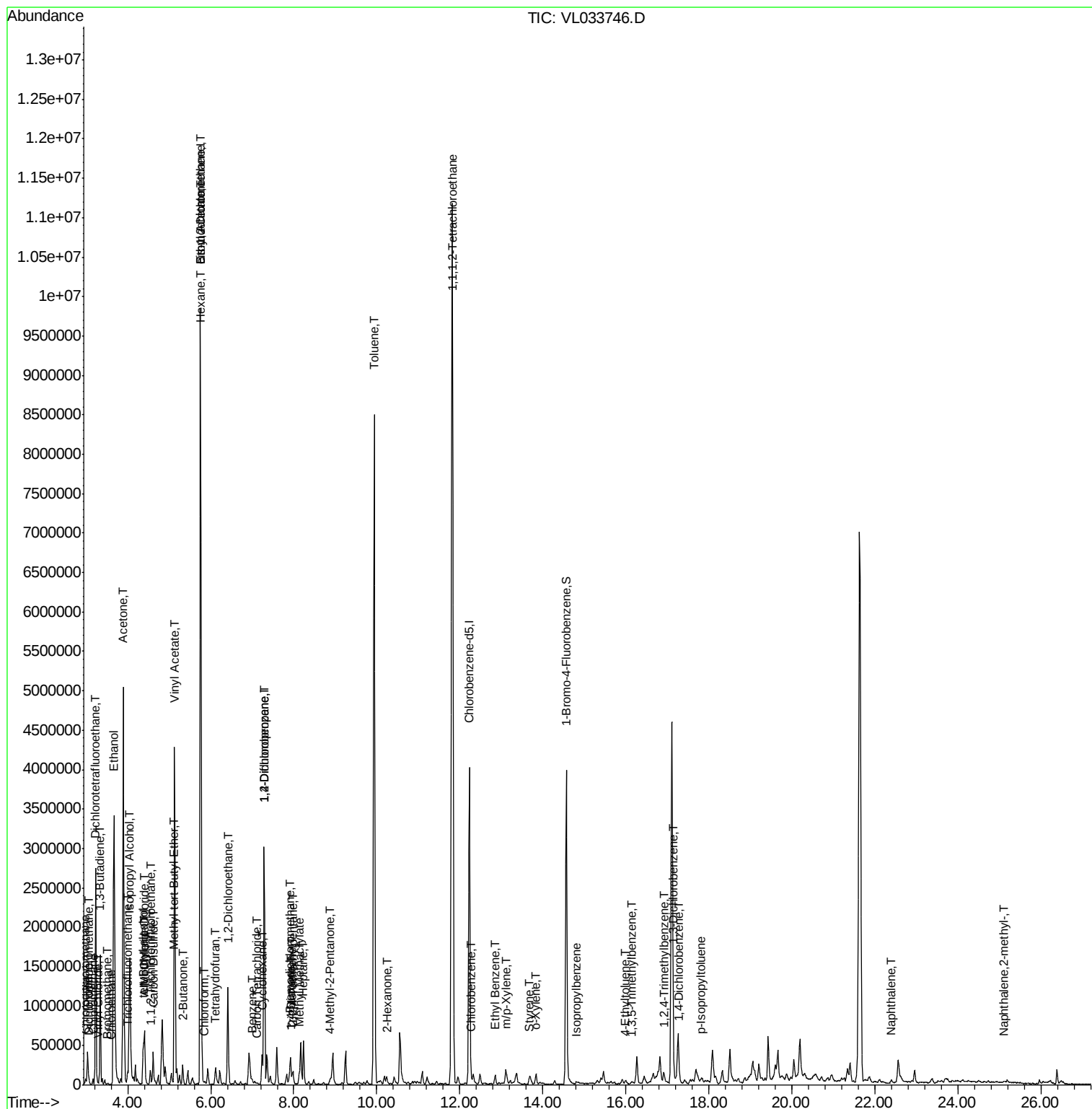
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) Chlorobenzene	12.28	112	2406	0.011	ppbv #	52
58) Ethyl Benzene	12.85	91	88839	0.263	ppbv	99
59) m/p-Xylene	13.13	91	43575	0.148	ppbv #	31
60) o-Xylene	13.84	91	93240	0.313	ppbv	98
61) Styrene	13.67	104	16598	0.083	ppbv #	27
62) Isopropylbenzene	14.81	105	4359	0.011	ppbv #	1
69) p-Isopropyltoluene	17.80	119	4259	0.010	ppbv #	48
72) 4-Ethyltoluene	15.98	105	10625	0.031	ppbv #	73
73) 1,3,5-Trimethylbenzene	16.15	105	9715	0.029	ppbv #	73
74) 1,2,4-Trimethylbenzene	16.91	105	61407	0.170	ppbv #	78
75) 1,3-Dichlorobenzene	17.15	146	72470	0.327	ppbv #	69
76) 1,4-Dichlorobenzene	17.29	146	18774	0.089	ppbv #	23
79) Naphthalene	22.40	128	9280	0.028	ppbv #	61
80) Naphthalene,2-methyl-	25.10	142	5448	0.043	ppbv #	81

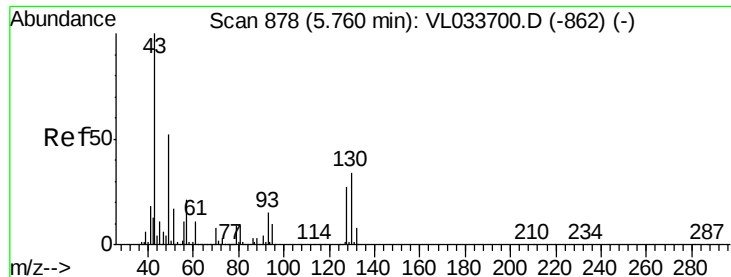
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

BPS1-ODA-3001-04

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

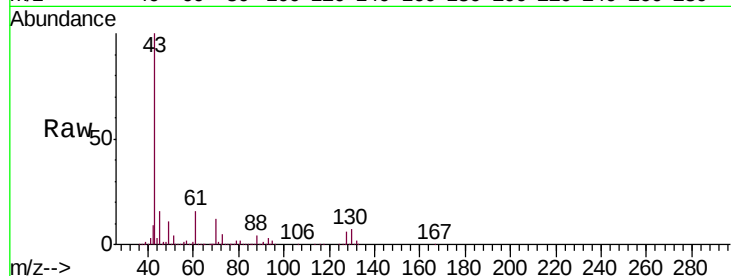
Tgt Ion: 49 Resp: 904780

Ion Ratio Lower Upper

49 100

128 50.7 25.2 75.6

130 65.4 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.76

400000

300000

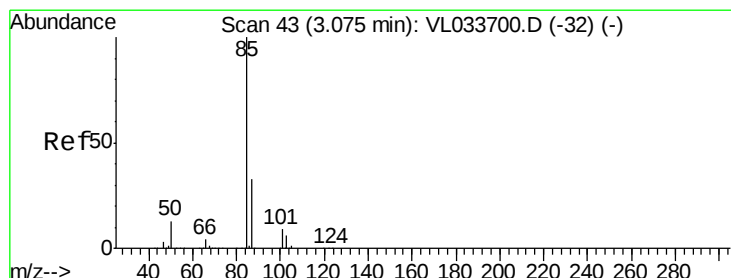
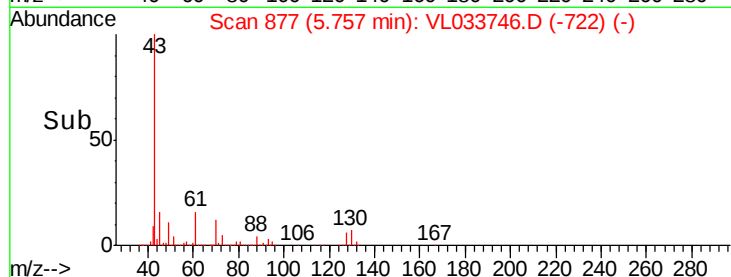
200000

100000

0

5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.162 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033746.D

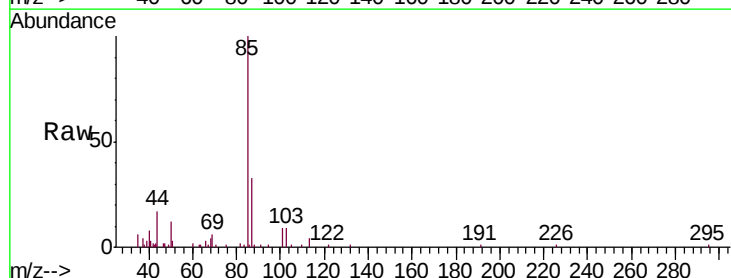
Acq: 22 May 2019 16:11

Tgt Ion: 85 Resp: 30802

Ion Ratio Lower Upper

85 100

87 31.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.07

30000

25000

20000

15000

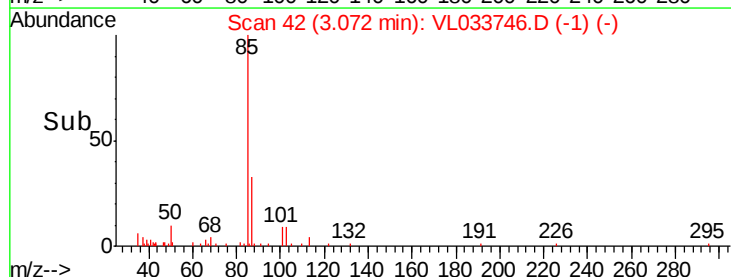
10000

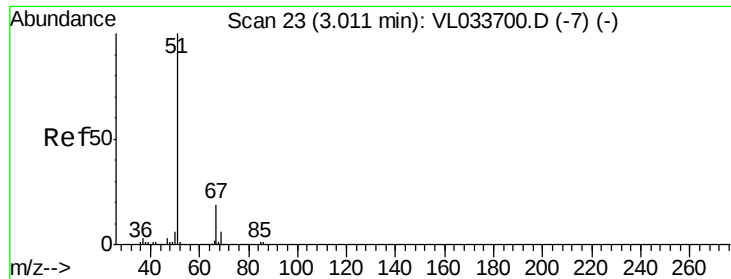
5000

0

3.05 3.10

Time-->

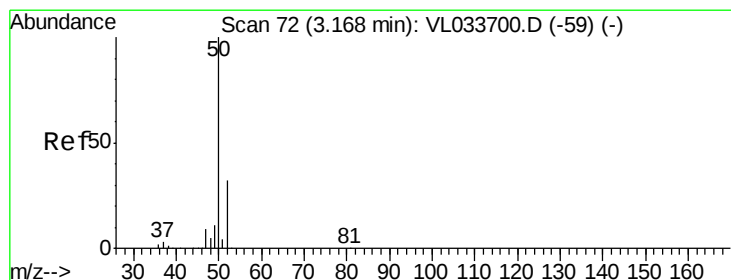
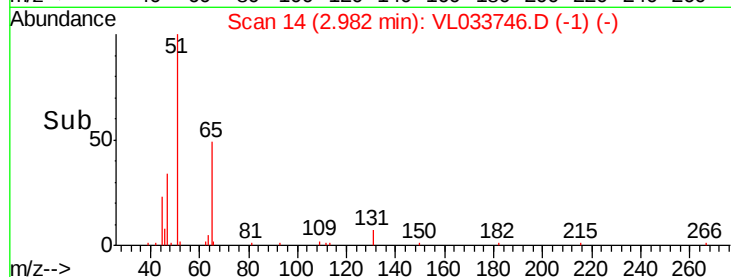
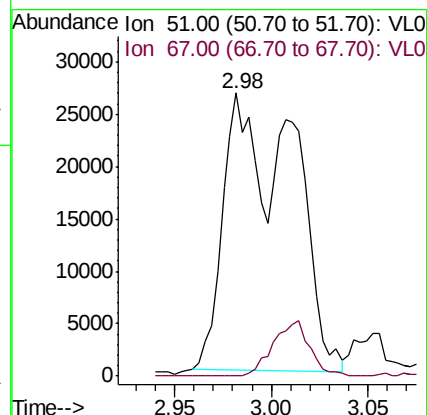
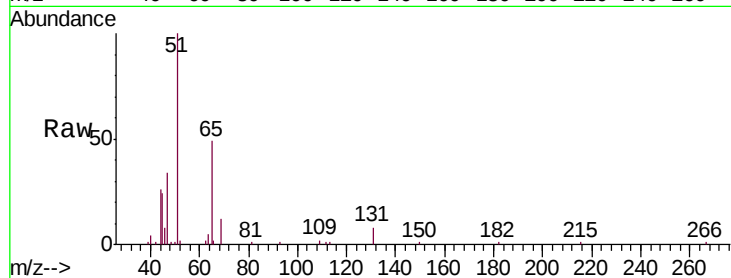




#3
 Chlorodifluoromethane
 Concen: 0.626 ppbv
 RT: 2.98 min Scan# 14
 Delta R.T. -0.03 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

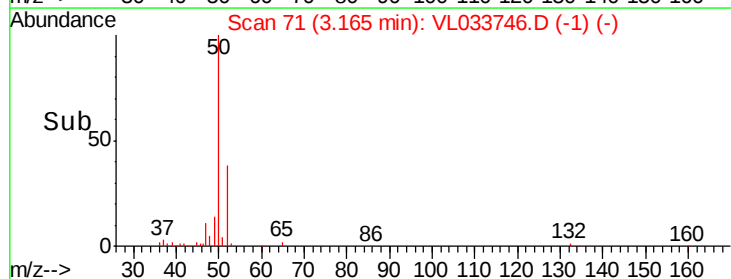
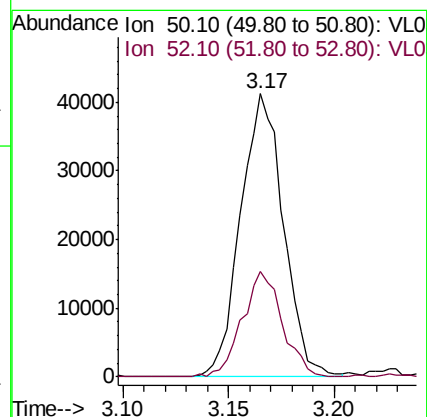
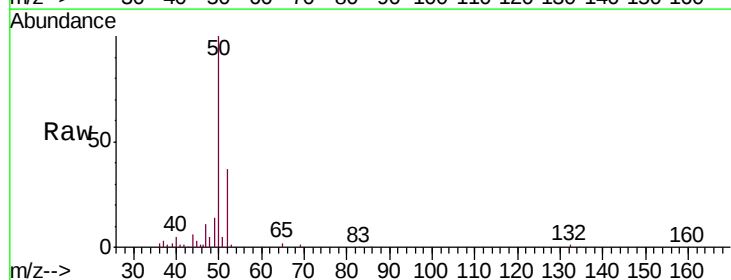
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

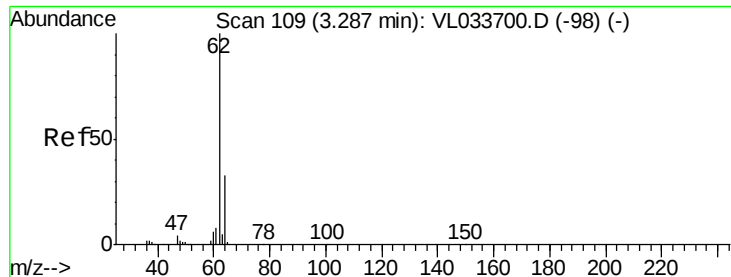
Tgt Ion: 51 Resp: 64889
 Ion Ratio Lower Upper
 51 100
 67 11.0 15.6 23.4#



#4
 Chloromethane
 Concen: 0.980 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 50 Resp: 58097
 Ion Ratio Lower Upper
 50 100
 52 38.1 25.7 38.5





#5

Vinyl Chloride

Concen: 0.022 ppbv

RT: 3.28 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

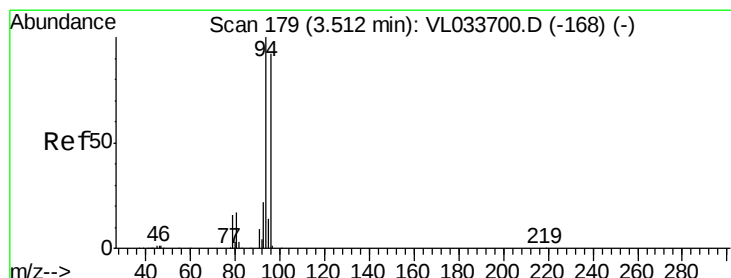
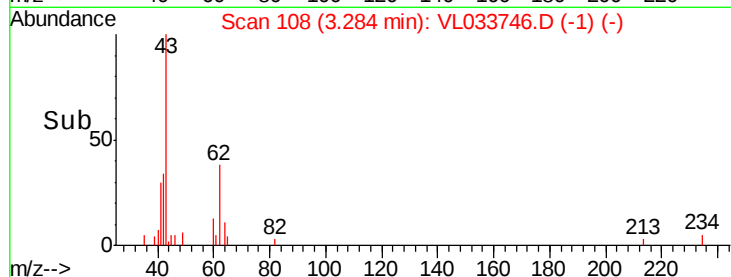
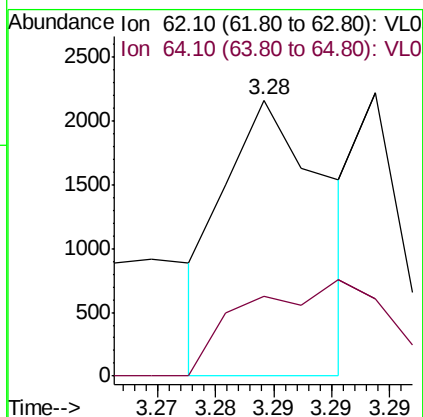
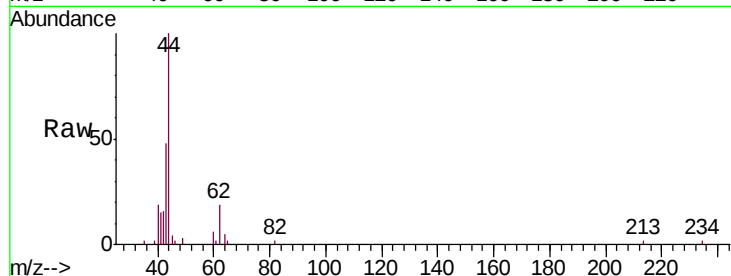
BPS1-ODA-3001-04

Tgt Ion: 62 Resp: 1319

Ion Ratio Lower Upper

62 100

64 64.6 26.4 39.6#



#6

Bromomethane

Concen: 0.014 ppbv

RT: 3.51 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL033746.D

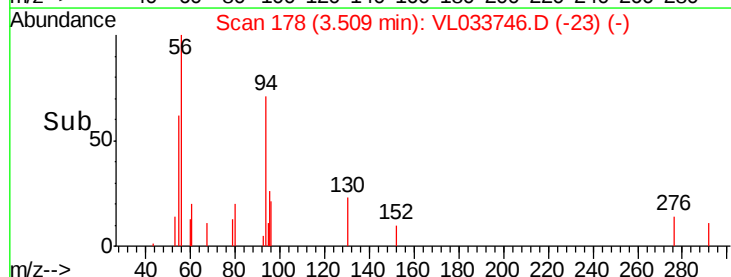
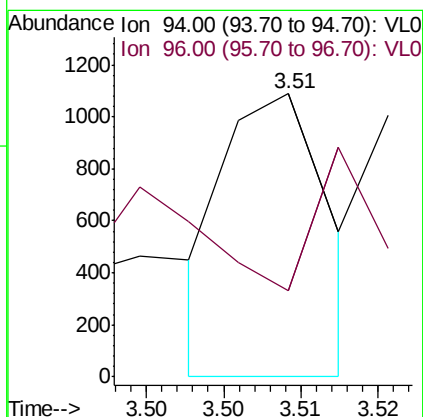
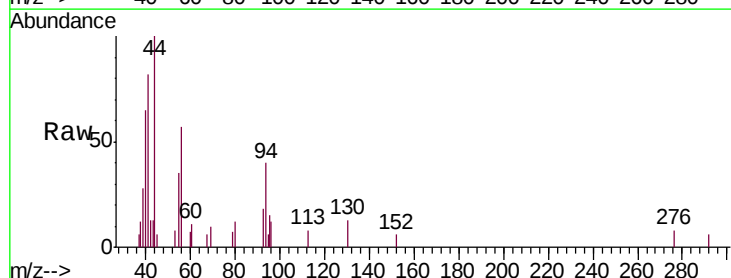
Acq: 22 May 2019 16:11

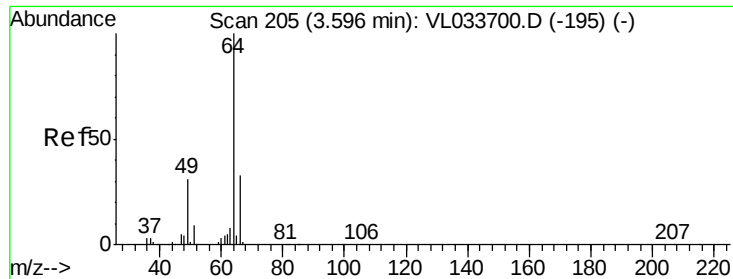
Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#





#7

Chloroethane

Concen: 0.085 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

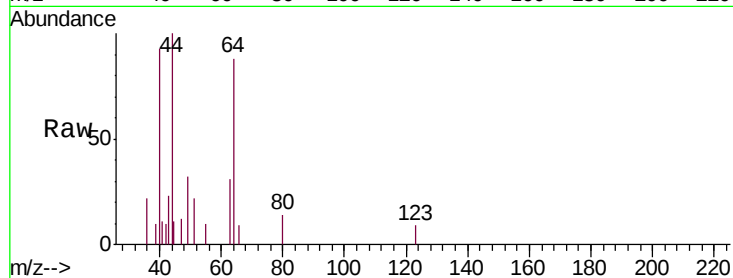
BPS1-ODA-3001-04

Tgt Ion: 64 Resp: 1818

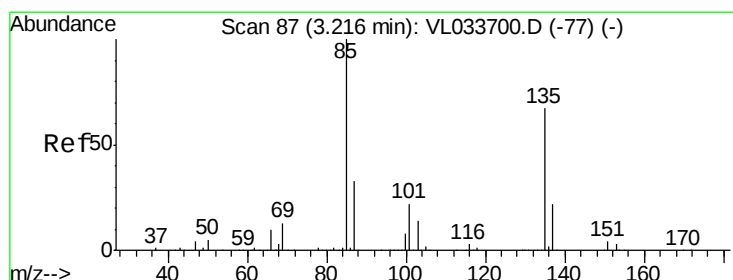
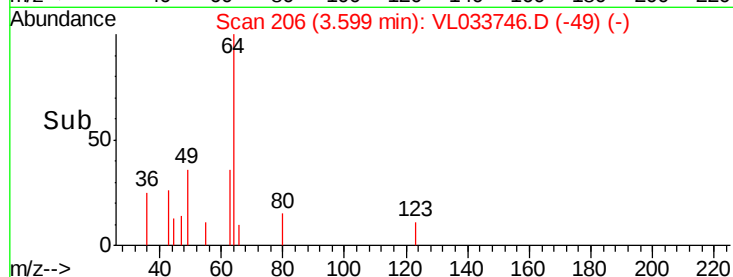
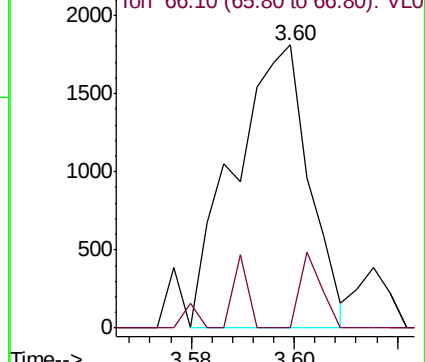
Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.021 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033746.D

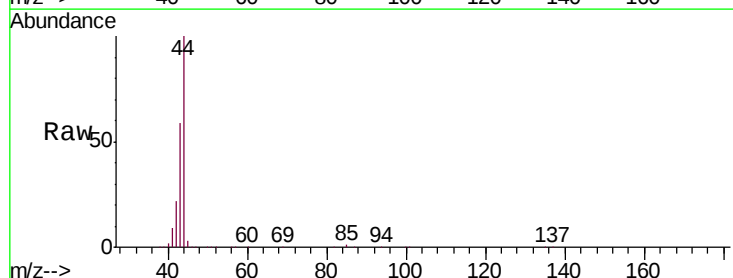
Acq: 22 May 2019 16:11

Tgt Ion: 85 Resp: 3292

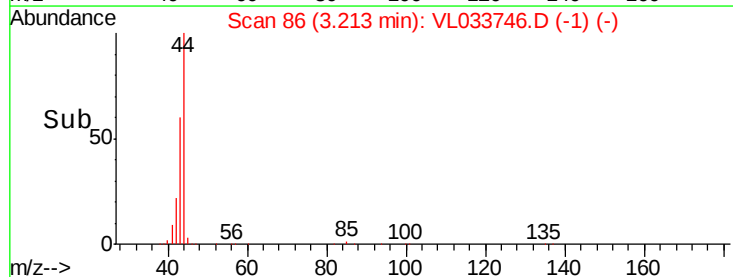
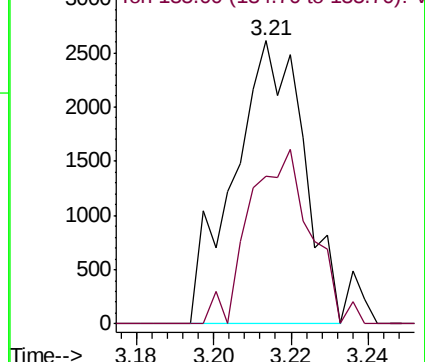
Ion Ratio Lower Upper

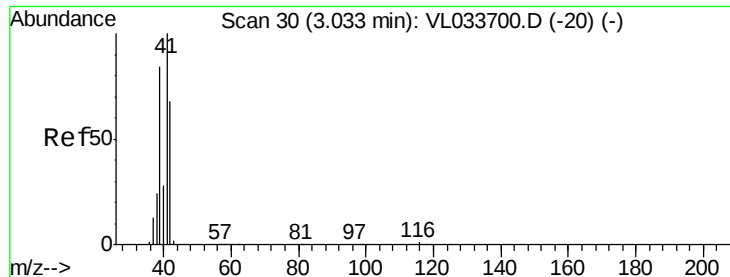
85 100

135 54.3 54.5 81.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0





#9

Propene

Concen: 3.263 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

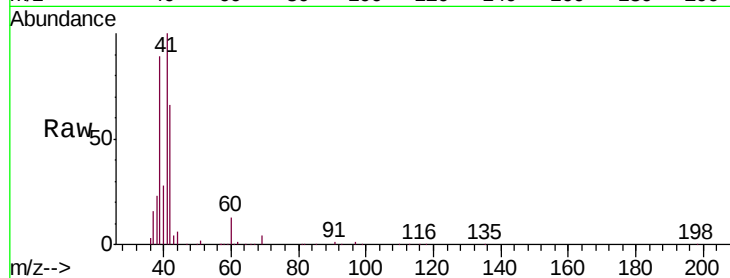
BPS1-ODA-3001-04

Tgt Ion: 41 Resp: 143851

Ion Ratio Lower Upper

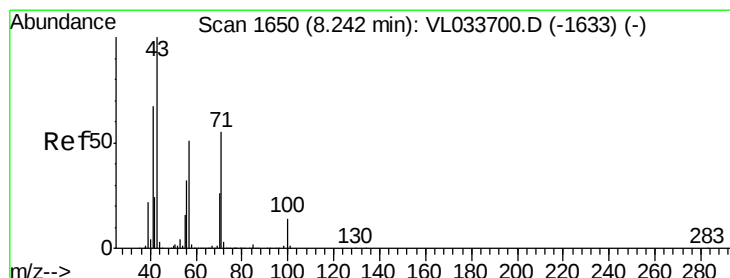
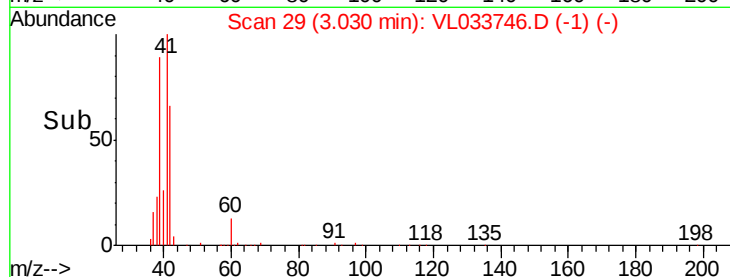
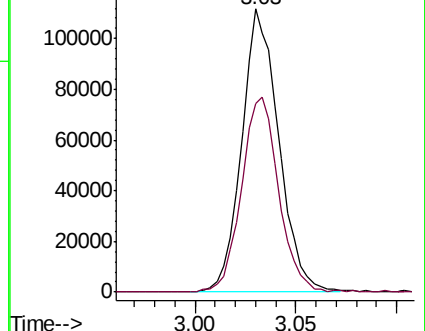
41 100

42 69.8 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.689 ppbv

RT: 8.23 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VL033746.D

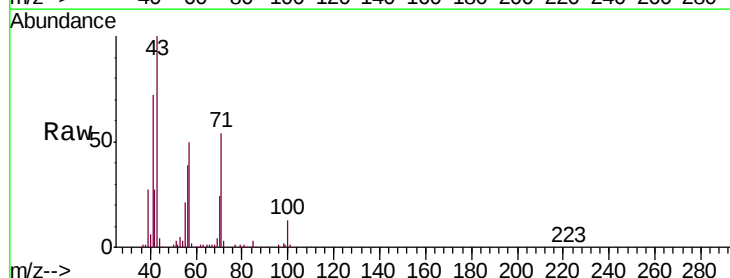
Acq: 22 May 2019 16:11

Tgt Ion: 43 Resp: 210899

Ion Ratio Lower Upper

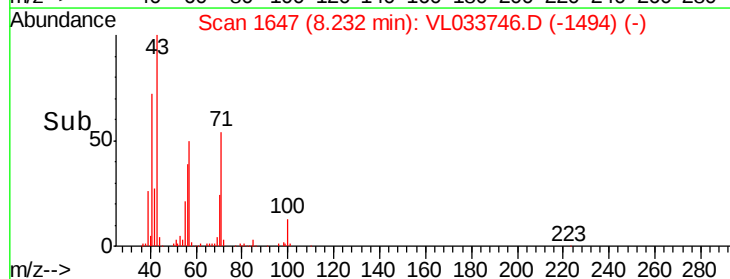
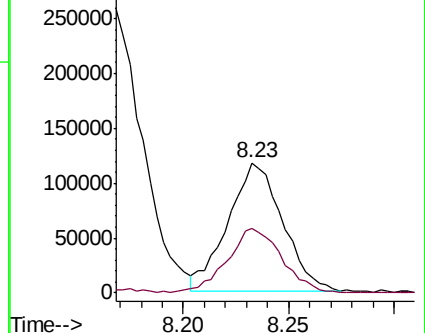
43 100

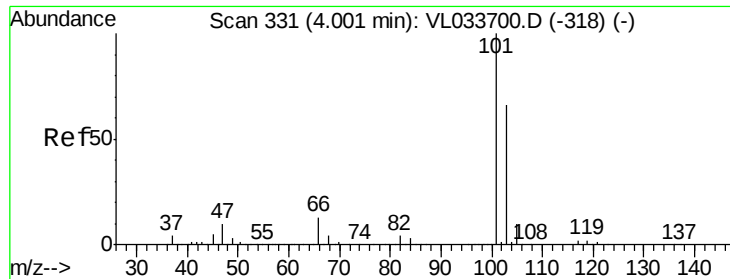
57 50.5 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

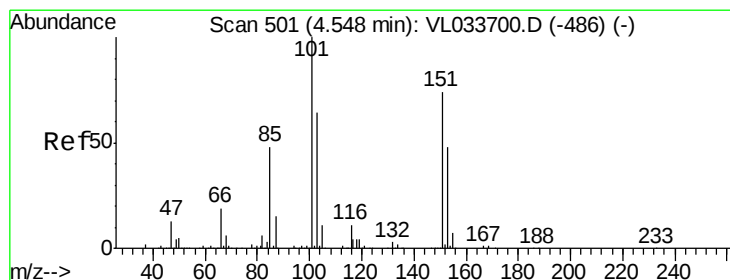
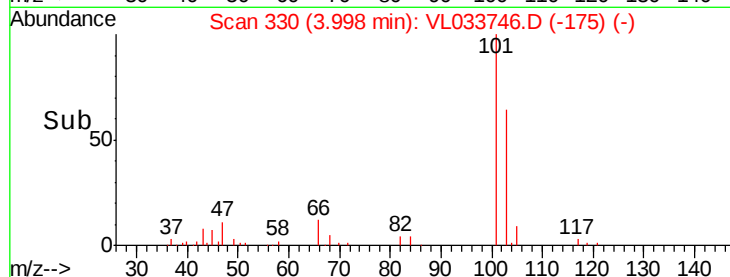
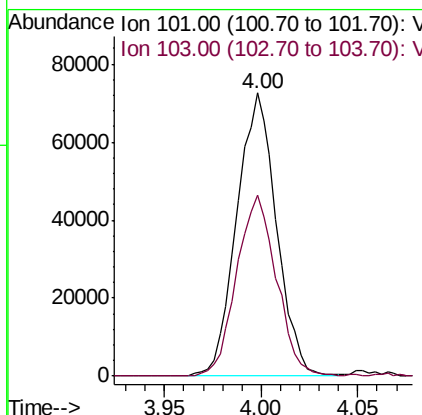
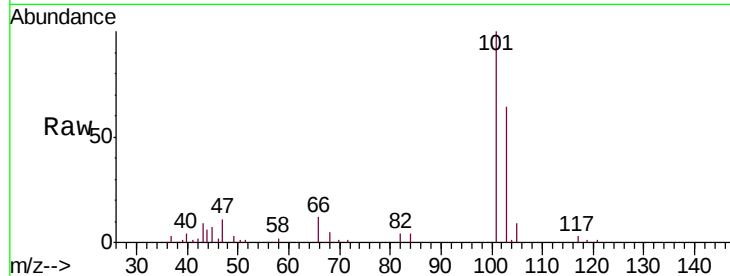




#11
 Trichlorofluoromethane
 Concen: 0.570 ppbv
 RT: 4.00 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

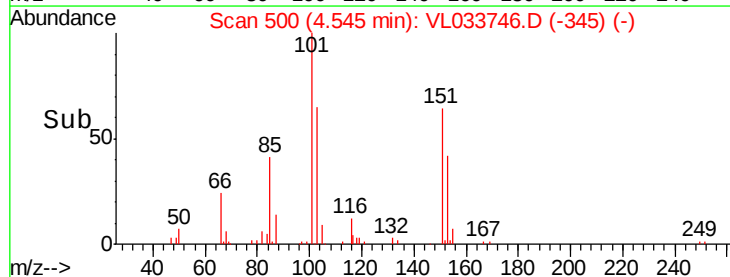
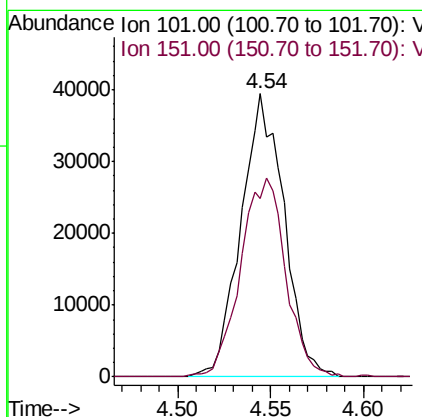
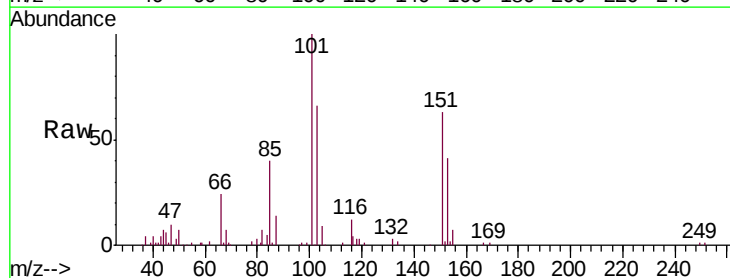
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

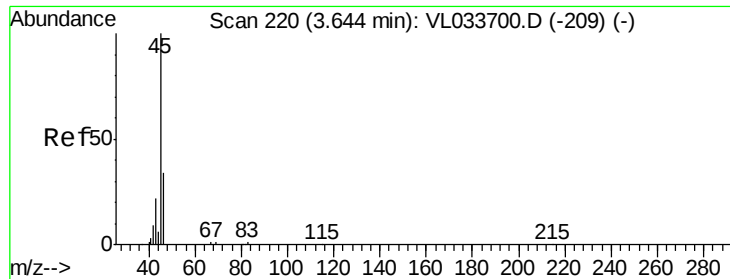
Tgt Ion:101 Resp: 103687
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.502 ppbv
 RT: 4.54 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion:101 Resp: 63770
 Ion Ratio Lower Upper
 101 100
 151 74.0 58.2 87.4





#13

Ethanol

Concen: 359.250 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

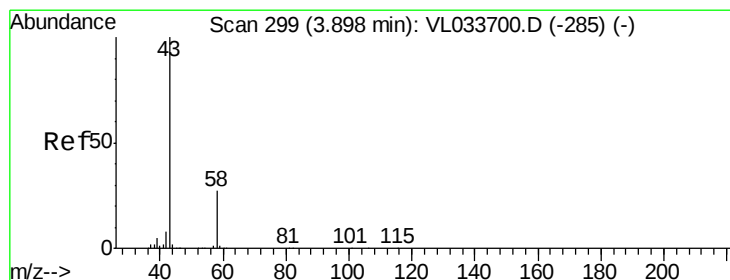
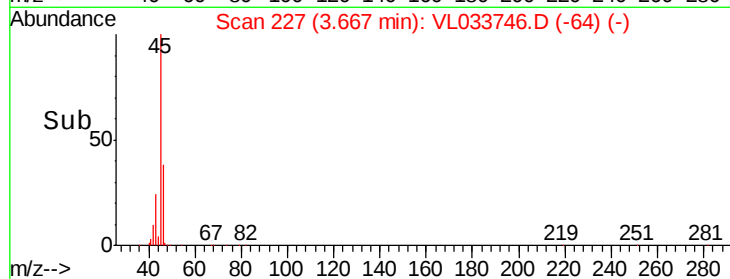
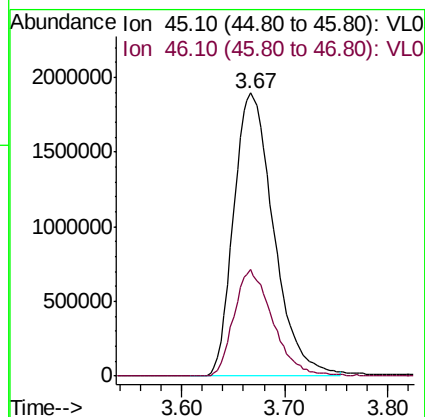
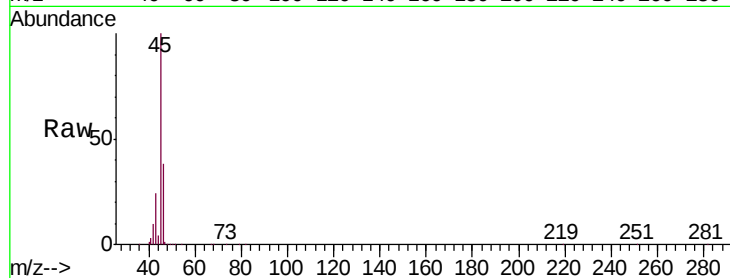
BPS1-ODA-3001-04

Tgt Ion: 45 Resp: 5118535

Ion Ratio Lower Upper

45 100

46 36.9 14.8 59.0



#15

Acetone

Concen: 40.856 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.01 min

Lab File: VL033746.D

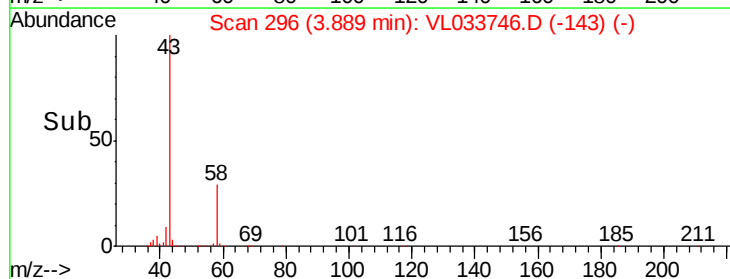
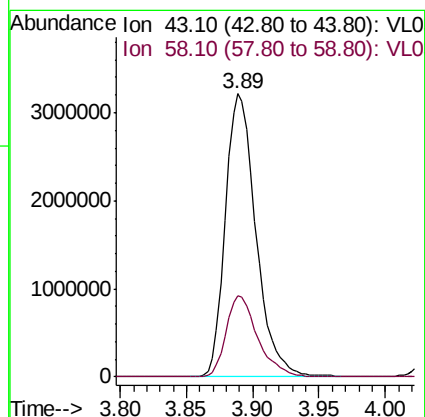
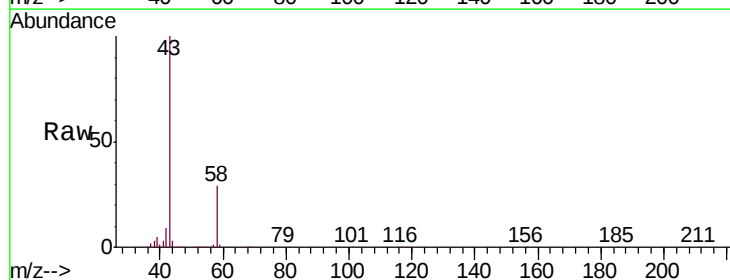
Acq: 22 May 2019 16:11

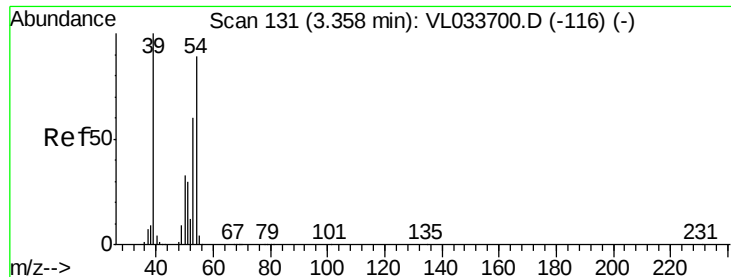
Tgt Ion: 43 Resp: 5128856

Ion Ratio Lower Upper

43 100

58 29.9 21.3 31.9

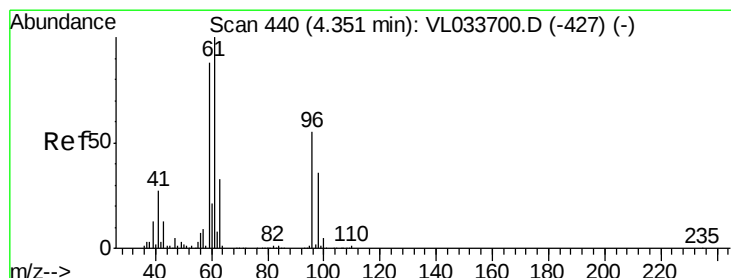
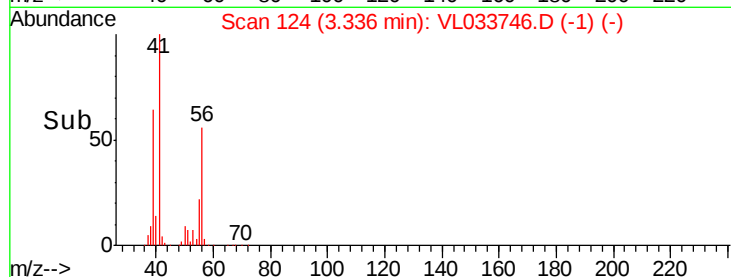
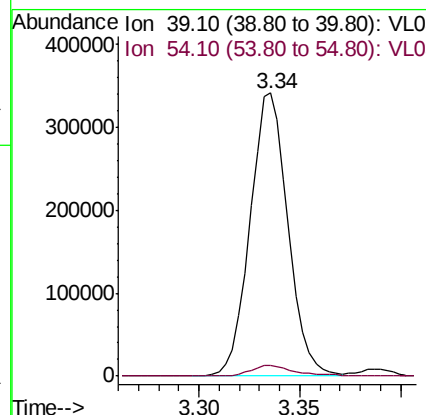
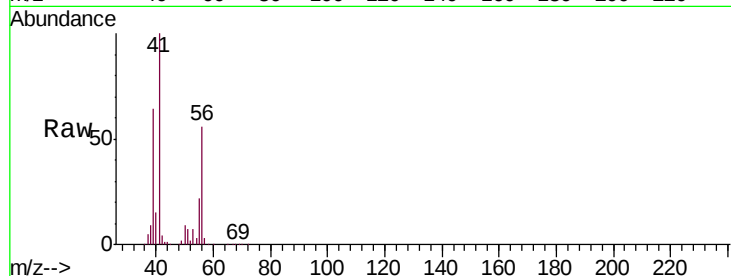




#16
 1,3-Butadiene
 Concen: 8.985 ppbv
 RT: 3.34 min Scan# 124
 Delta R.T. -0.02 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

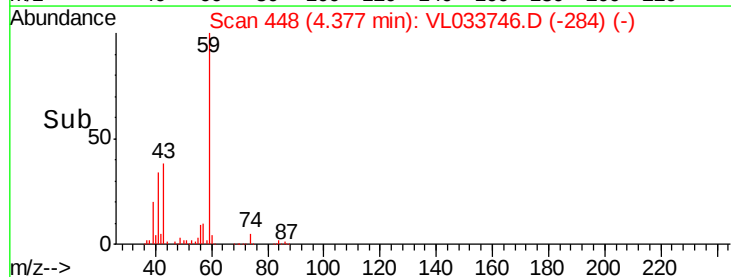
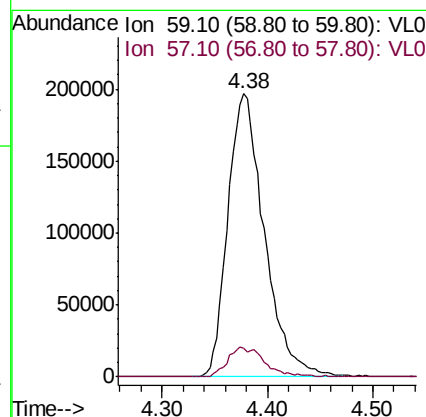
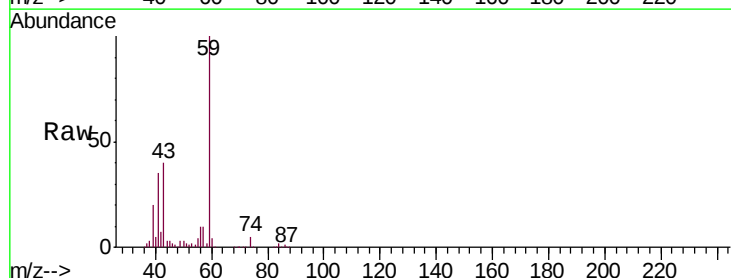
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

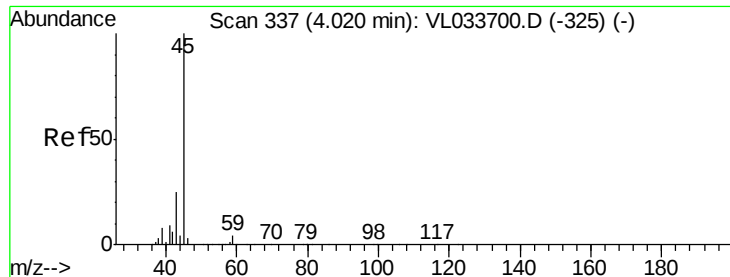
Tgt Ion: 39 Resp: 449154
 Ion Ratio Lower Upper
 39 100
 54 4.6 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 4.655 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. 0.03 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 59 Resp: 472502
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6



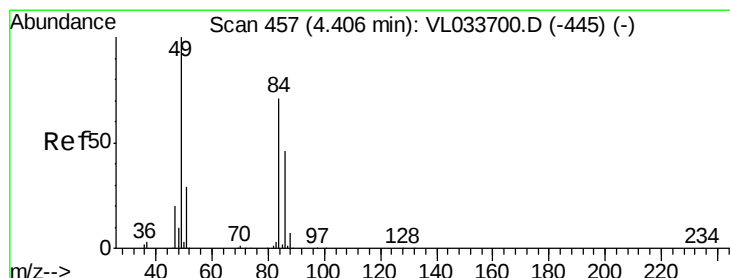
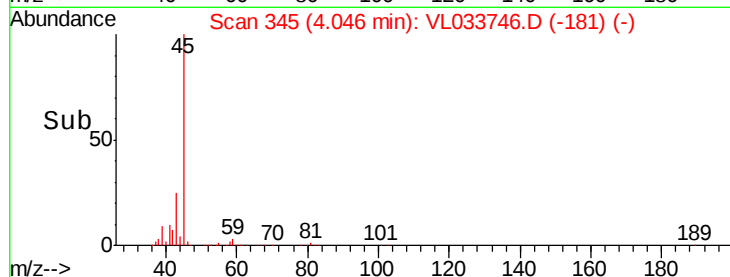
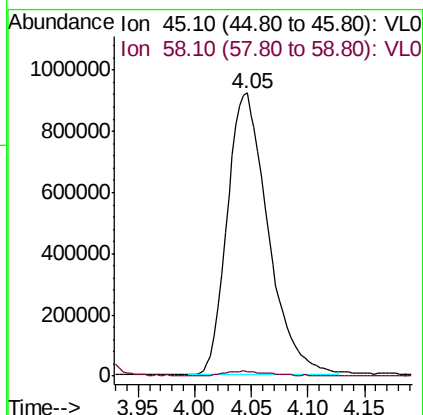
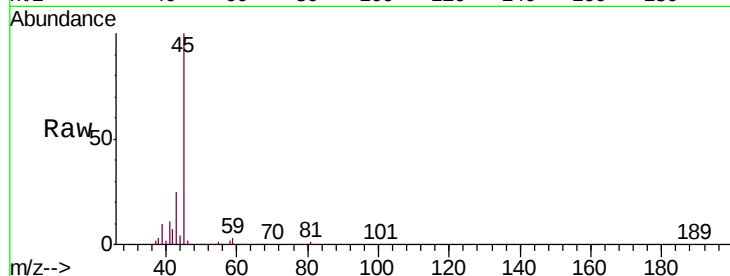


#19

Isopropyl Alcohol
 Concen: 28.615 ppbv
 RT: 4.05 min Scan# 345
 Delta R.T. 0.03 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

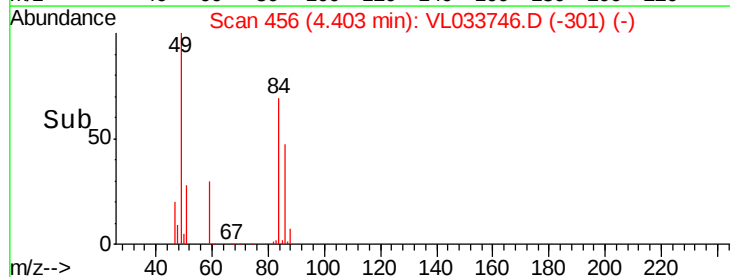
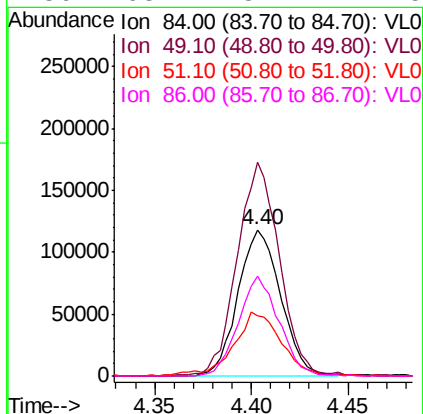
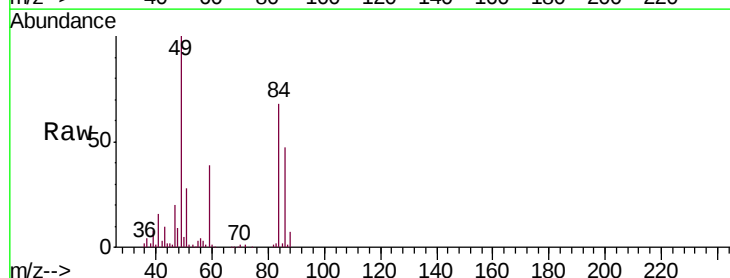
Tgt Ion: 45 Resp: 2316127
 Ion Ratio Lower Upper
 45 100
 58 2.2 1.6 2.4

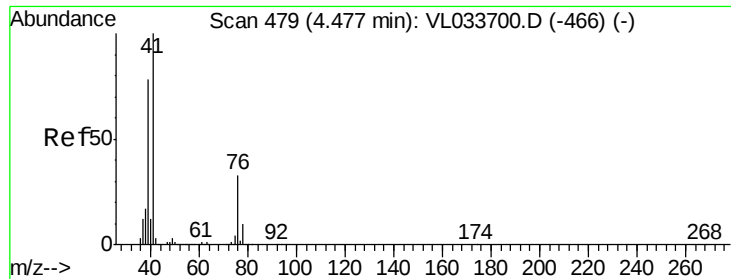


#20

Methylene Chloride
 Concen: 3.730 ppbv
 RT: 4.40 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 84 Resp: 180292
 Ion Ratio Lower Upper
 84 100
 49 145.7 112.8 169.2
 51 39.5 33.4 50.0
 86 68.2 51.7 77.5





#21

Allyl Chloride

Concen: 2.315 ppbv

RT: 4.38 min Scan# 449

Delta R.T. -0.10 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

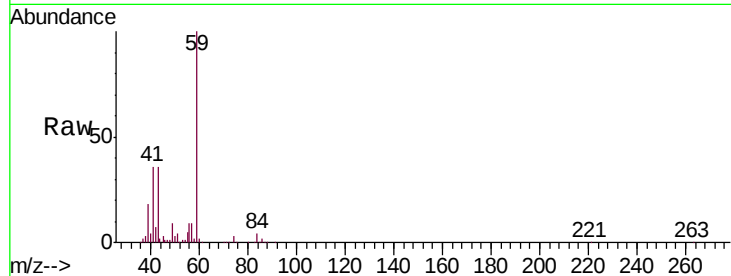
Tgt Ion: 41 Resp: 181285

Ion Ratio Lower Upper

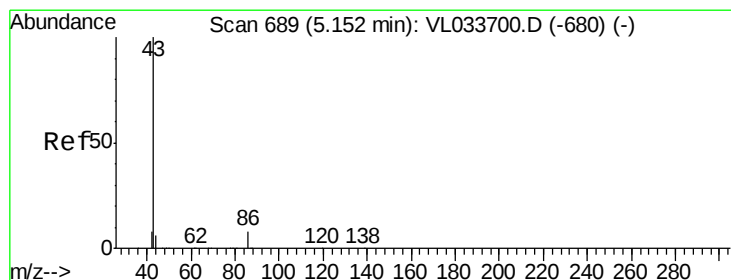
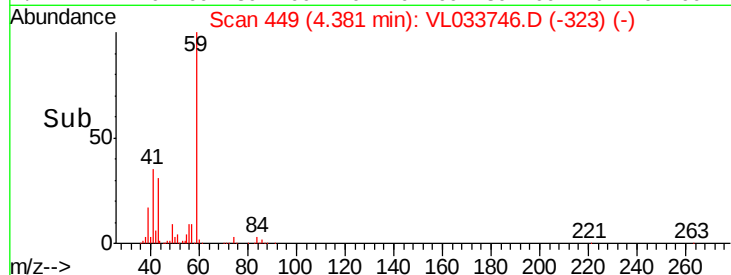
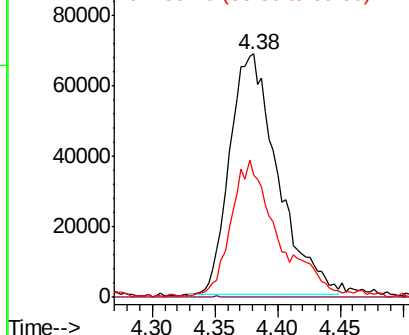
41 100

76 0.0 25.9 38.9#

39 58.3 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: 1.921 ppbv

RT: 5.14 min Scan# 684

Delta R.T. -0.02 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Tgt Ion: 43 Resp: 317968

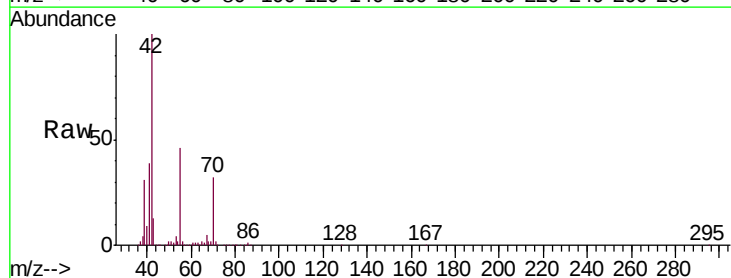
Ion Ratio Lower Upper

43 100

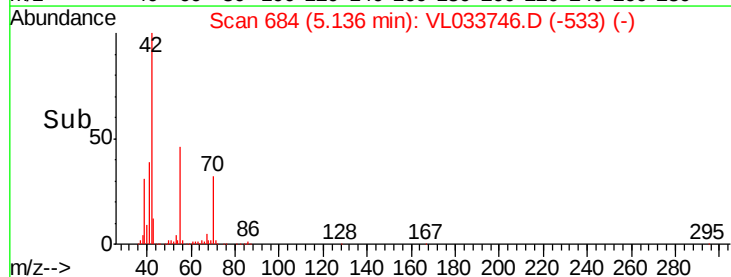
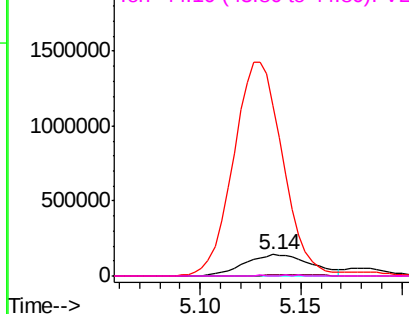
86 5.4 6.0 9.0#

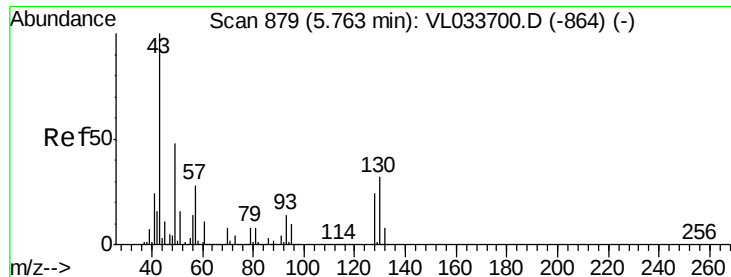
42 799.8 7.5 11.3#

44 1.4 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: 41.416 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

Tgt Ion: 43 Resp: 9133215

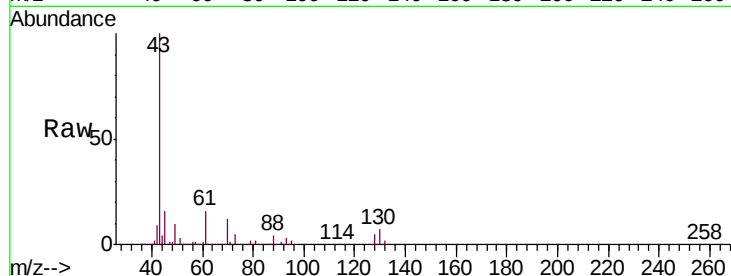
Ion Ratio Lower Upper

43 100

45 15.1 7.9 11.9#

61 14.6 7.7 11.5#

70 10.7 5.8 8.6#

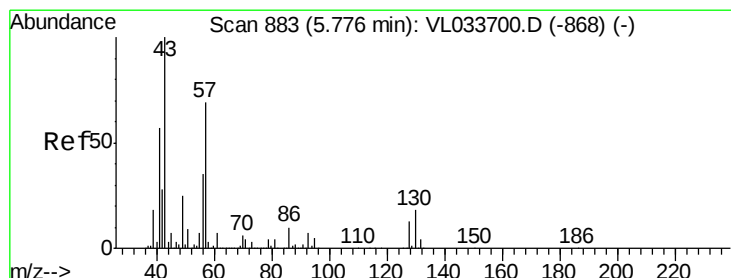
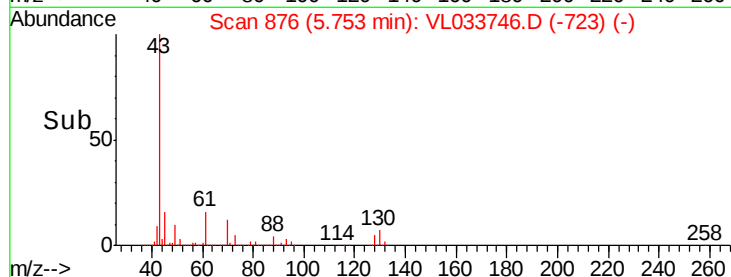
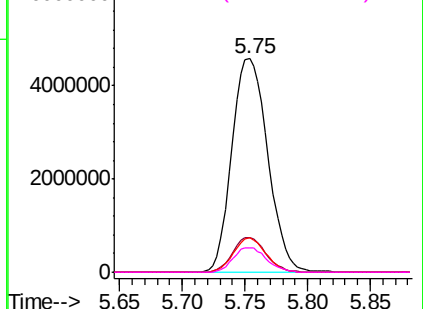


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 3.016 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Tgt Ion: 57 Resp: 285885

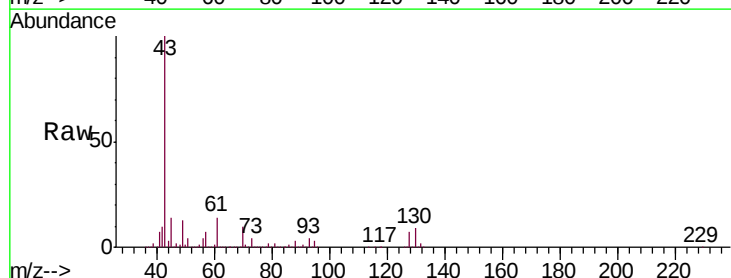
Ion Ratio Lower Upper

57 100

41 115.6 69.8 104.6#

43 3204.7 181.8 272.6#

56 54.1 42.1 63.1

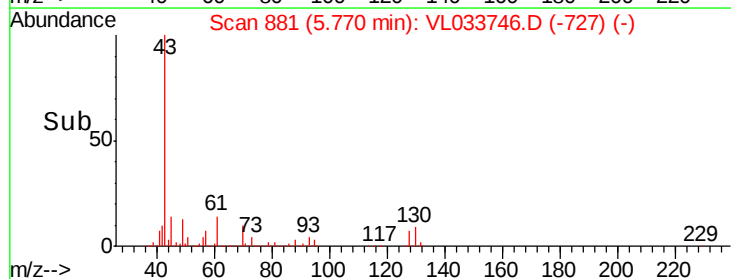
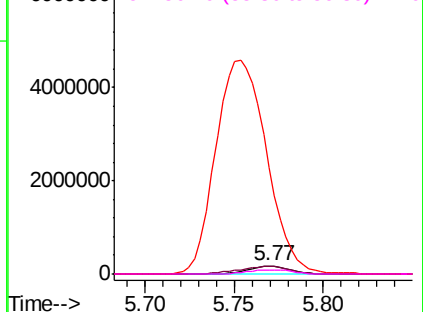


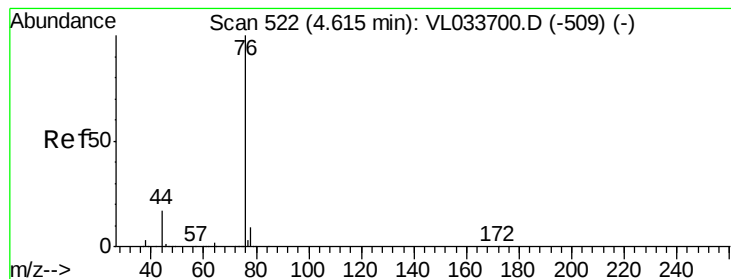
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 3.476 ppbv

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

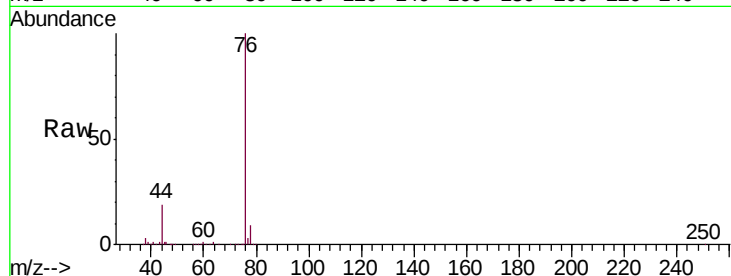
Tgt Ion: 76 Resp: 452076

Ion Ratio Lower Upper

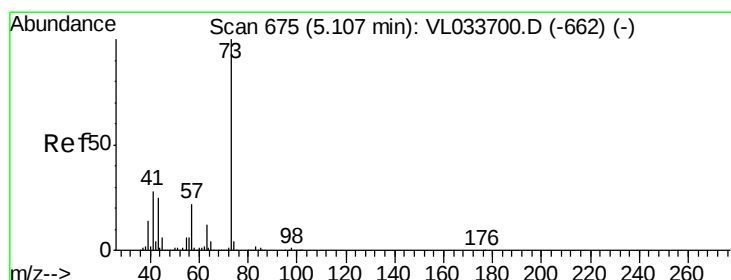
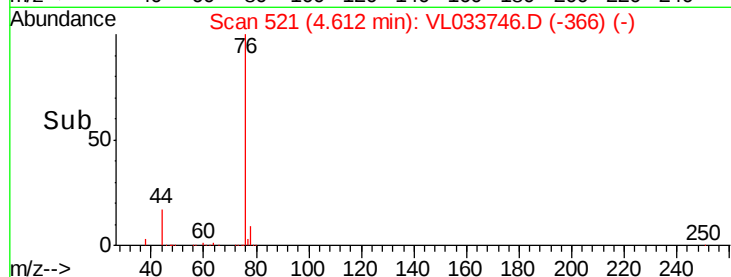
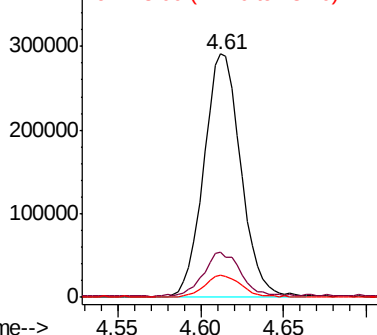
76 100

44 17.8 13.8 20.8

78 9.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.012 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.01 min

Lab File: VL033746.D

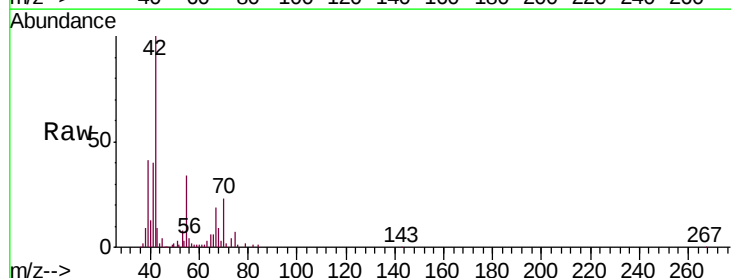
Acq: 22 May 2019 16:11

Tgt Ion: 73 Resp: 1858

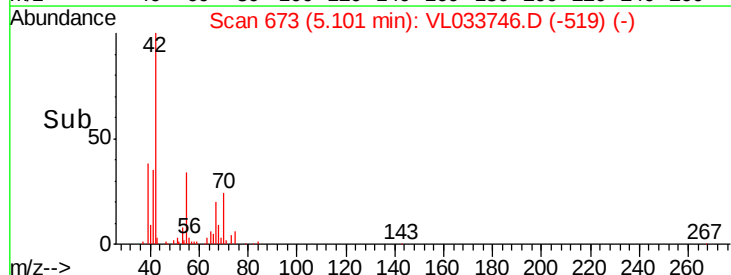
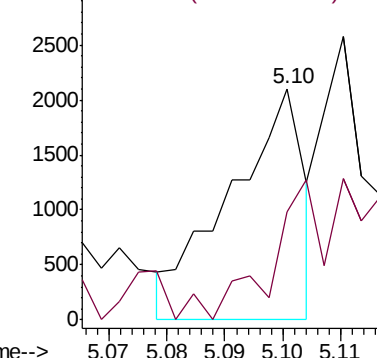
Ion Ratio Lower Upper

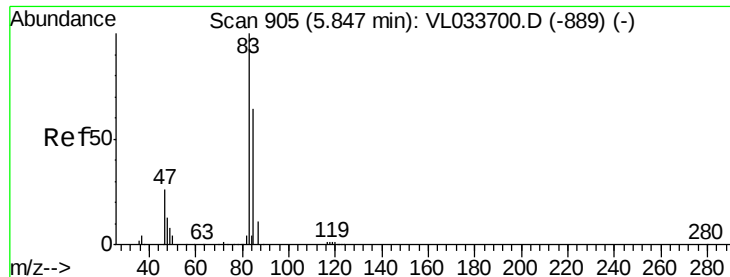
73 100

57 0.0 17.4 26.2#



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

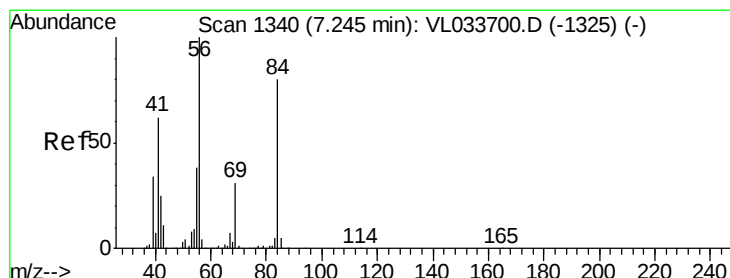
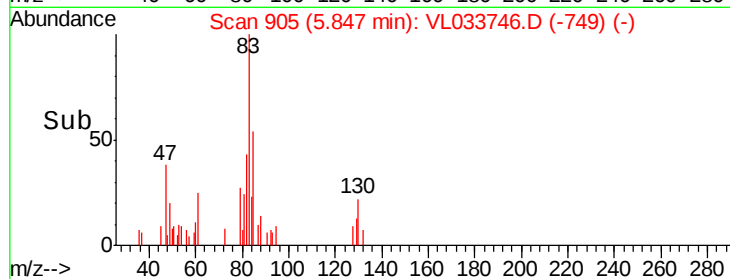
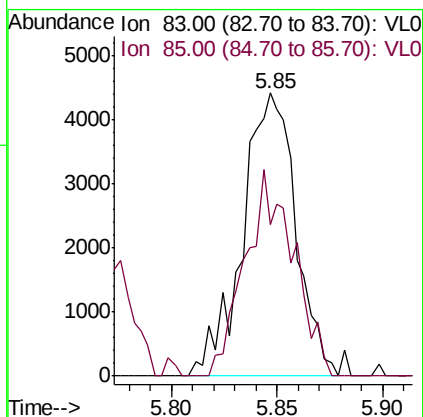
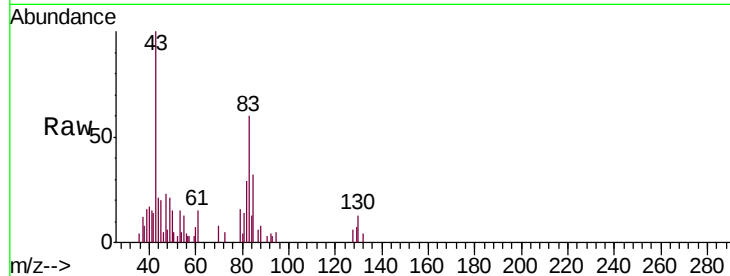




#29
Chloroform
Concen: 0.044 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

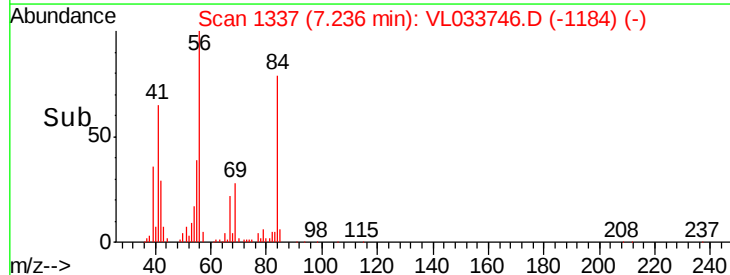
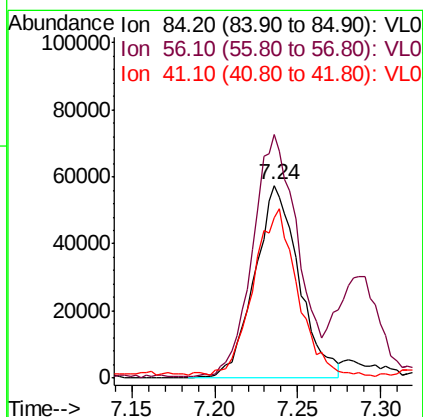
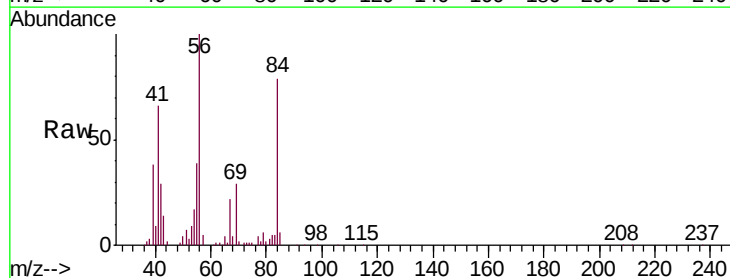
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

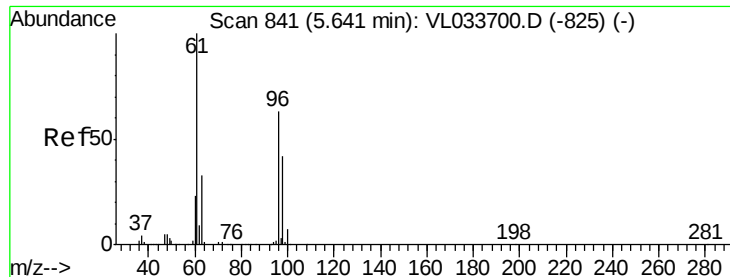
Tgt Ion: 83 Resp: 7726
Ion Ratio Lower Upper
83 100
85 53.7 51.5 77.3



#30
Cyclohexane
Concen: 1.338 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion: 84 Resp: 106648
Ion Ratio Lower Upper
84 100
56 126.0 107.7 161.5
41 86.3 66.0 99.0



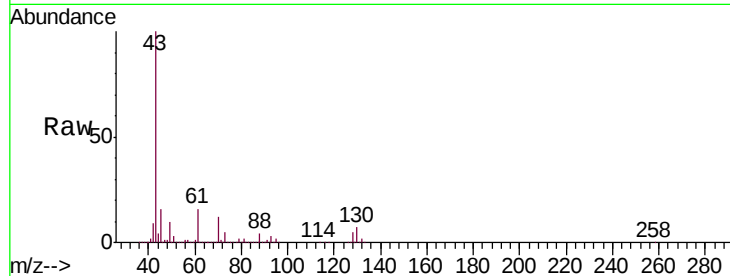


#31

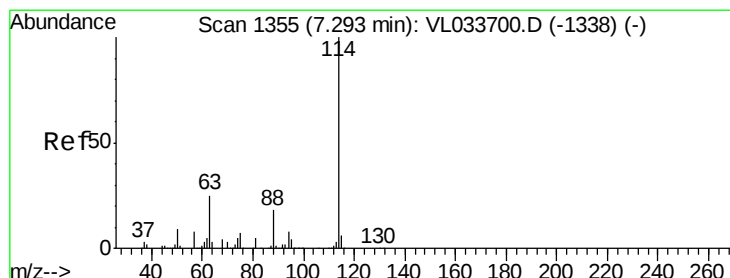
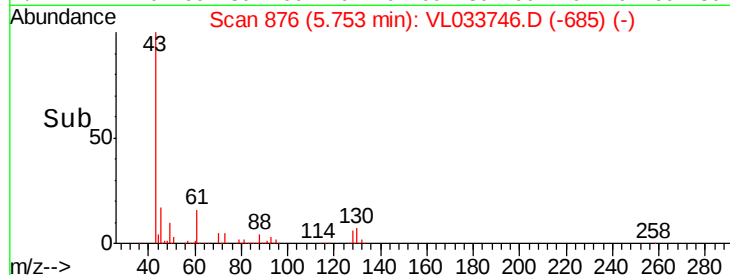
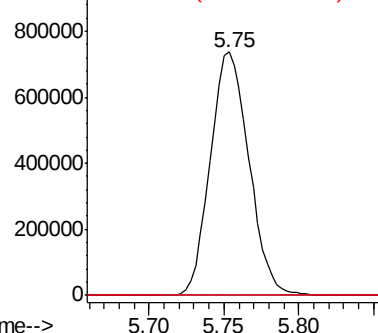
cis-1,2-Dichloroethene
 Concen: 14.095 ppbv
 RT: 5.75 min Scan# 876
 Delta R.T. 0.11 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

Tgt Ion: 61 Resp: 1324950
 Ion Ratio Lower Upper
 61 100
 96 0.1 50.8 76.2#
 98 0.0 33.3 49.9#



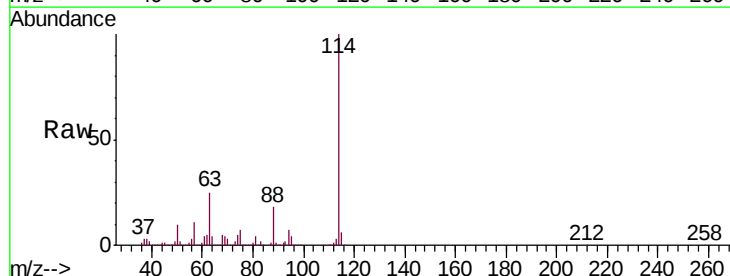
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



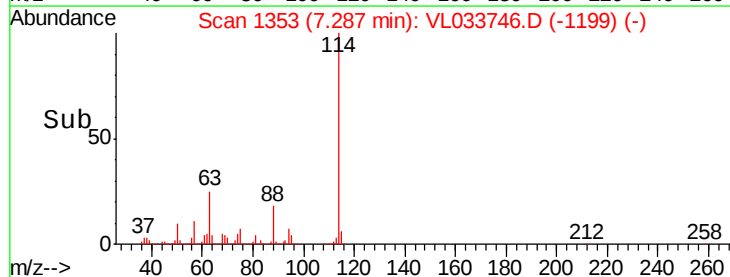
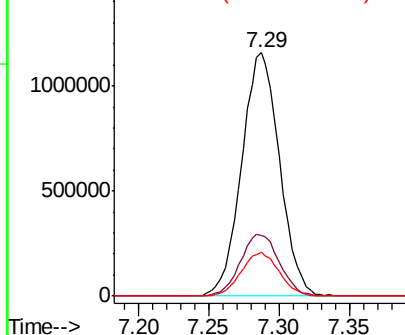
#33

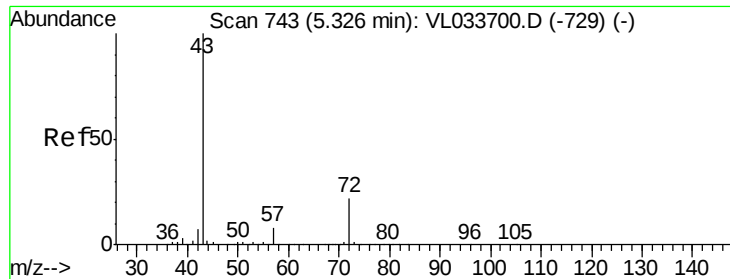
1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 114 Resp: 2180085
 Ion Ratio Lower Upper
 114 100
 63 26.3 20.9 31.3
 88 18.0 14.3 21.5



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

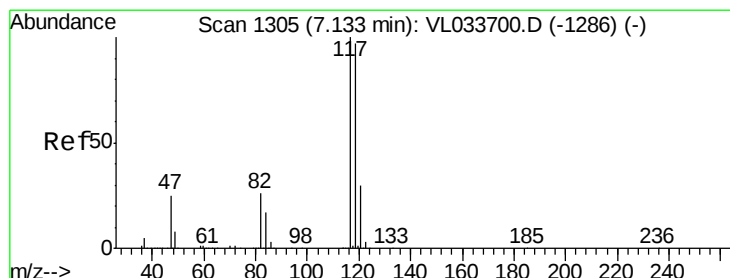
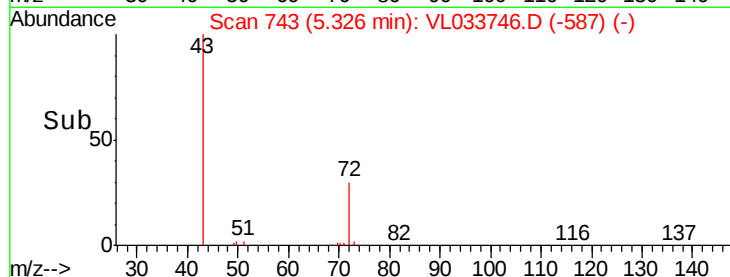
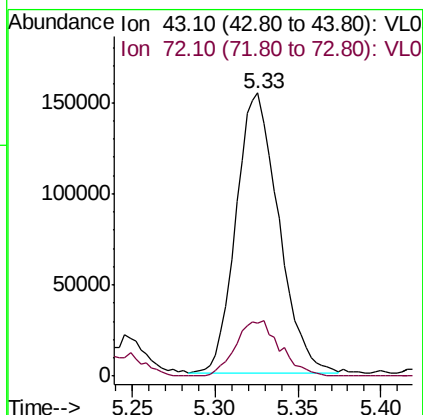
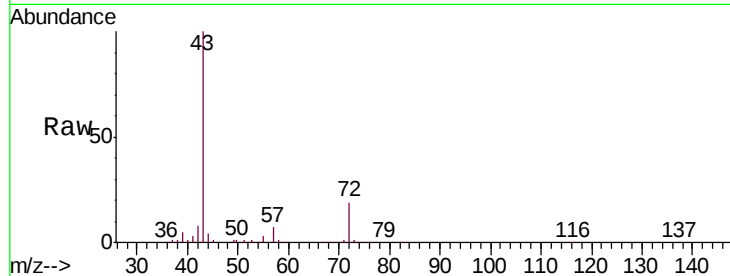




#34
2-Butanone
Concen: 2.038 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

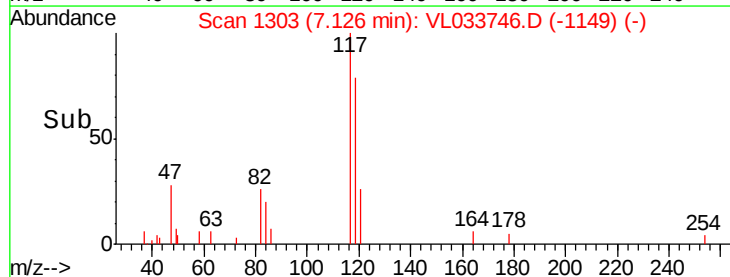
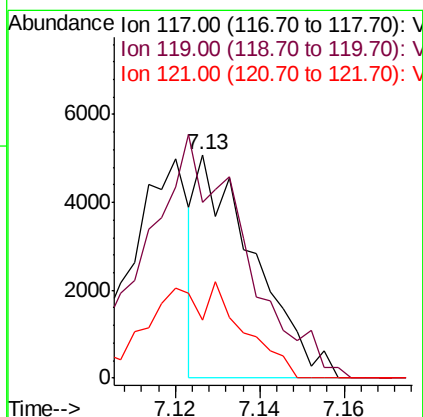
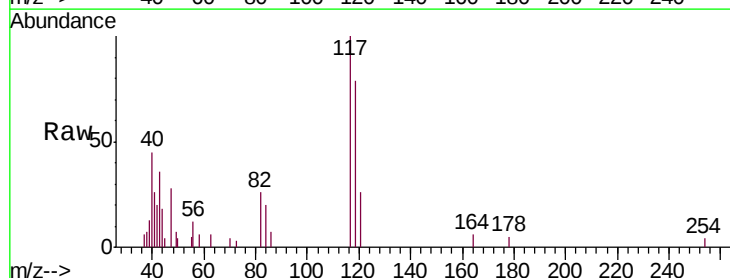
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

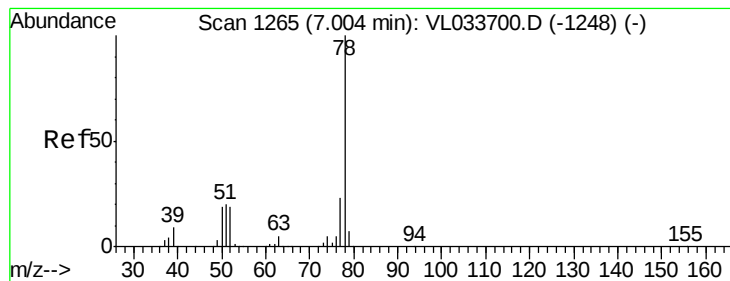
Tgt Ion: 43 Resp: 275370
Ion Ratio Lower Upper
43 100
72 20.9 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.027 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion: 117 Resp: 4744
Ion Ratio Lower Upper
117 100
119 74.0 77.2 115.8#
121 25.7 24.1 36.1





#36

Benzene

Concen: 0.088 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

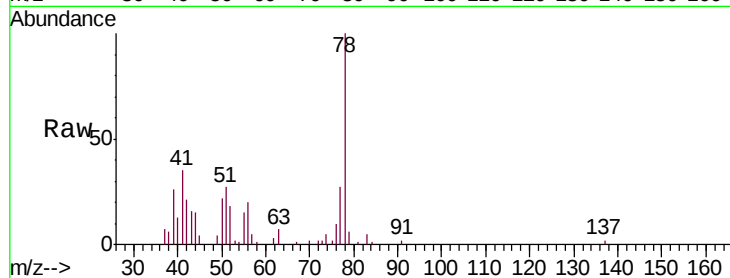
Tgt Ion: 78 Resp: 17459

Ion Ratio Lower Upper

78 100

77 27.3 18.4 27.6

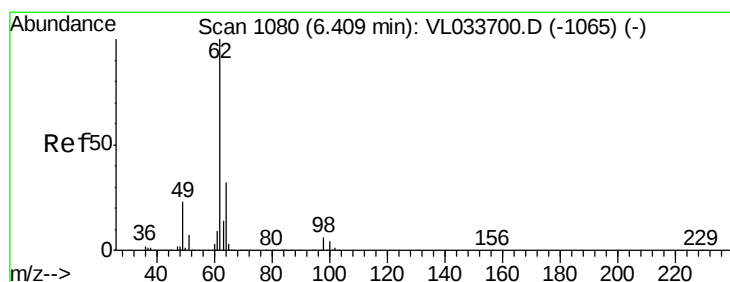
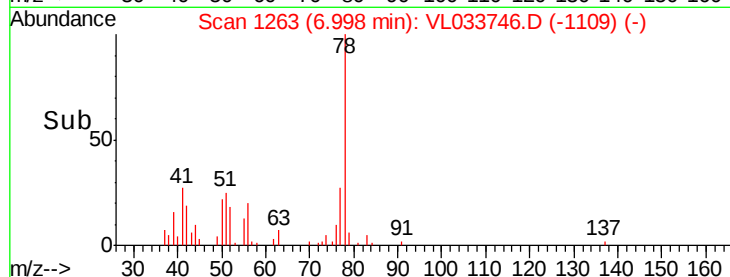
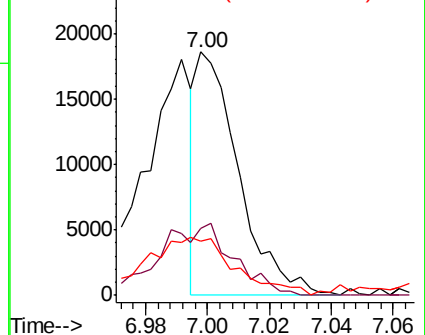
50 18.0 15.5 23.3



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: 0.030 ppbv

RT: 6.40 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VL033746.D

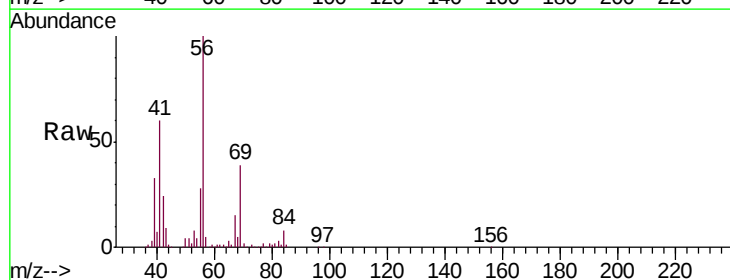
Acq: 22 May 2019 16:11

Tgt Ion: 62 Resp: 3835

Ion Ratio Lower Upper

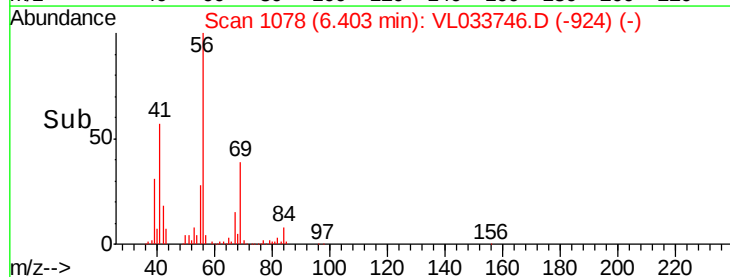
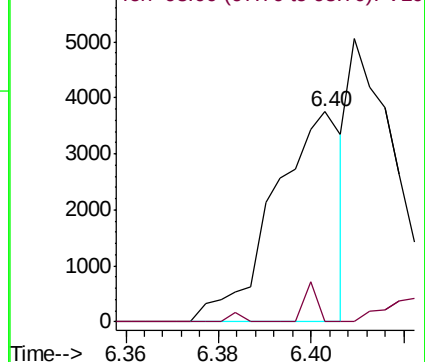
62 100

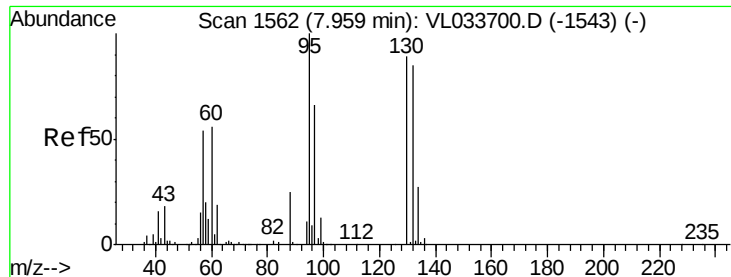
98 16.5 4.5 6.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

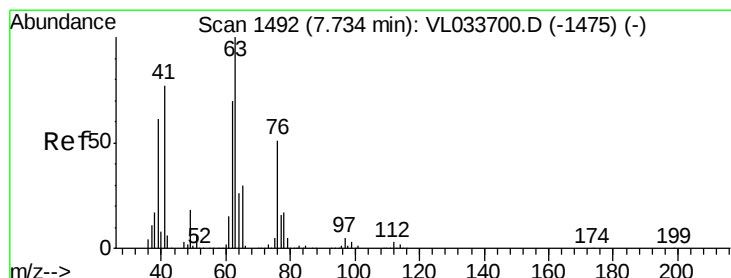
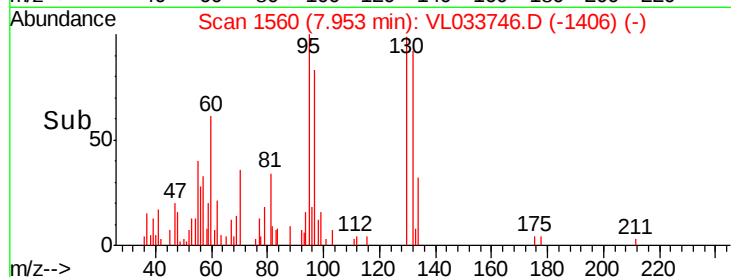
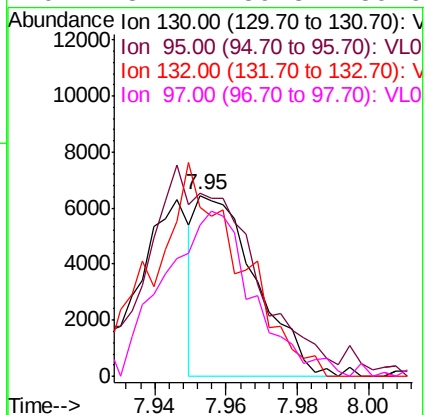
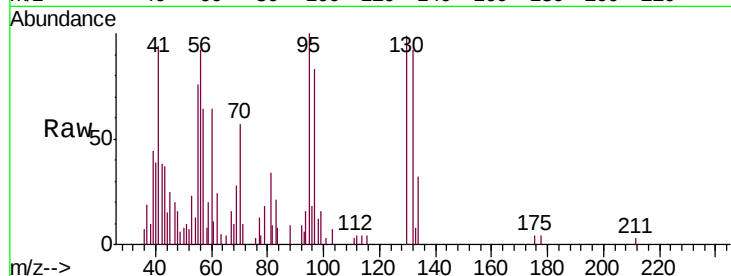




#38
 Trichloroethene
 Concen: 0.102 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

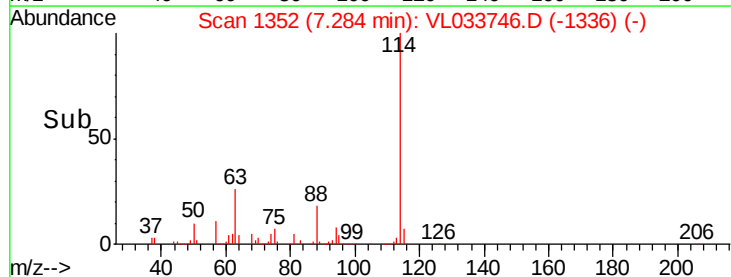
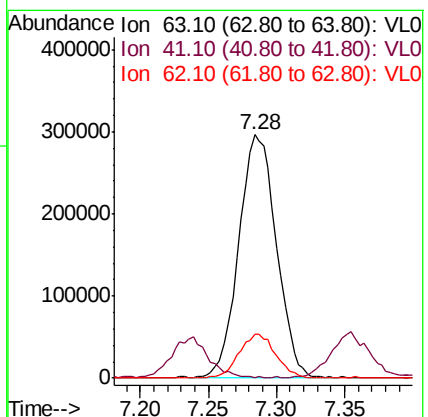
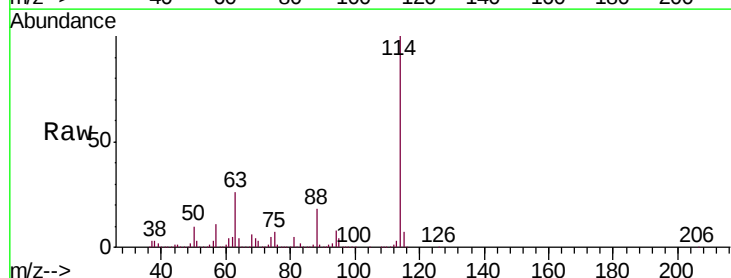
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

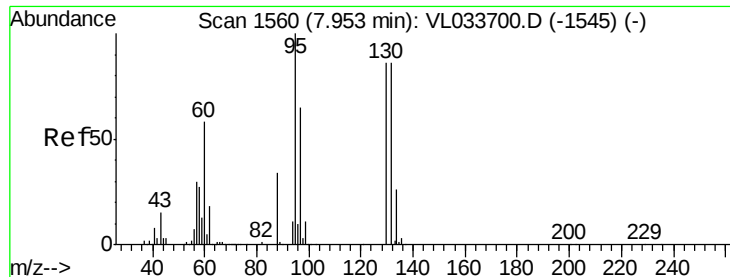
Tgt Ion: 130 Resp: 7473
 Ion Ratio Lower Upper
 130 100
 95 113.8 90.2 135.4
 132 101.5 76.4 114.6
 97 81.2 59.8 89.6



#39
 1,2-Dichloropropane
 Concen: 7.645 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 63 Resp: 565217
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 18.1 56.2 84.4#

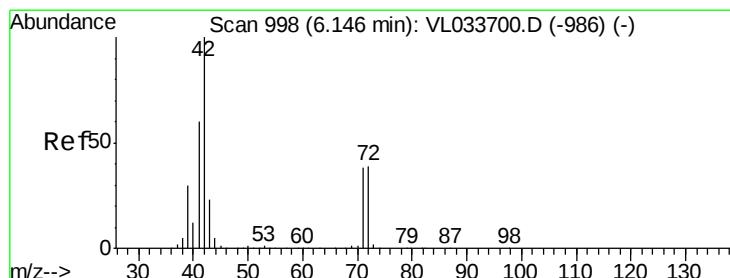
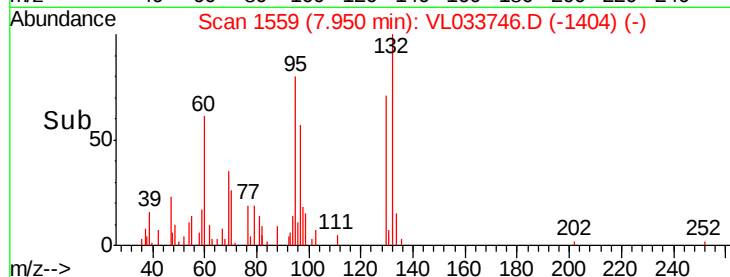
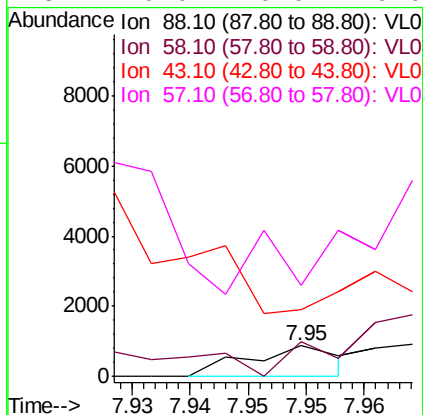
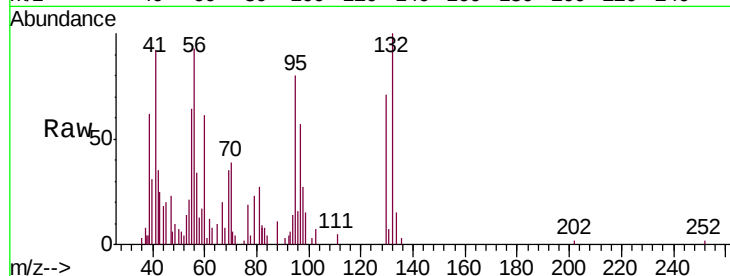




#40
 1,4-Dioxane
 Concen: 0.015 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

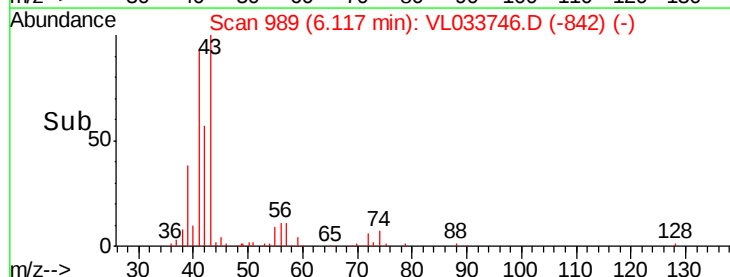
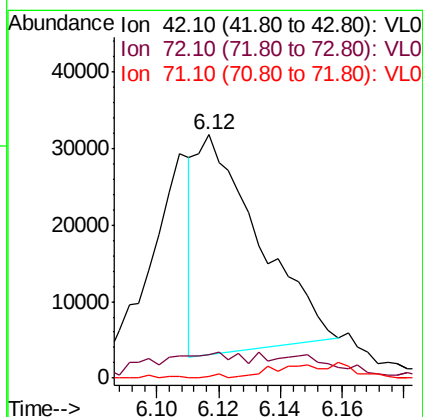
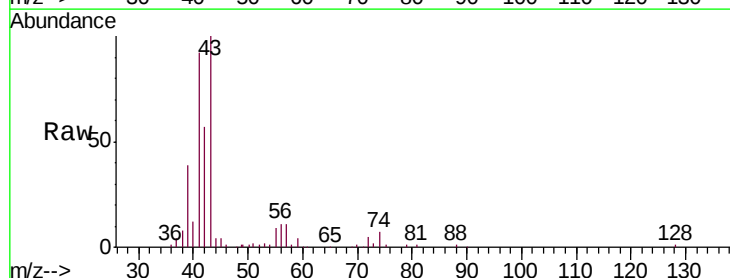
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

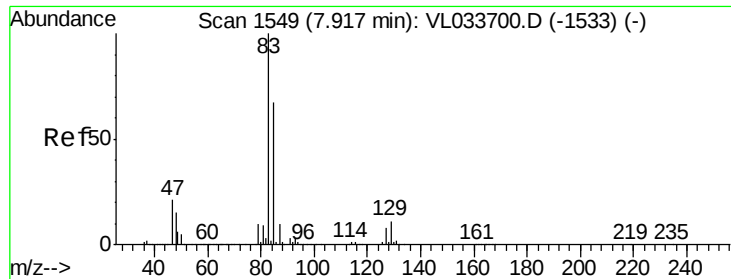
Tgt Ion: 88 Resp: 473
 Ion Ratio Lower Upper
 88 100
 58 0.0 101.8 152.6#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0



#41
 Tetrahydrofuran
 Concen: 0.528 ppbv
 RT: 6.12 min Scan# 989
 Delta R.T. -0.03 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 42 Resp: 39948
 Ion Ratio Lower Upper
 42 100
 72 14.9 32.0 48.0#
 71 0.0 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.050 ppbv

RT: 7.91 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

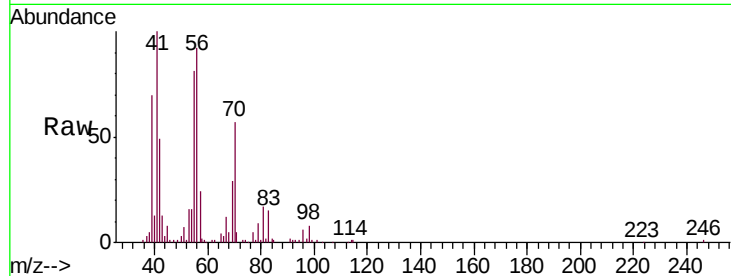
Tgt Ion: 83 Resp: 8805

Ion Ratio Lower Upper

83 100

85 4.9 53.3 79.9#

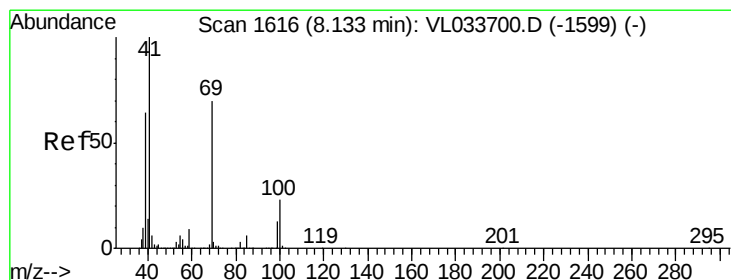
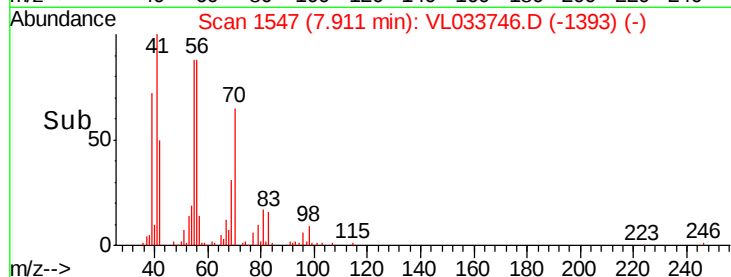
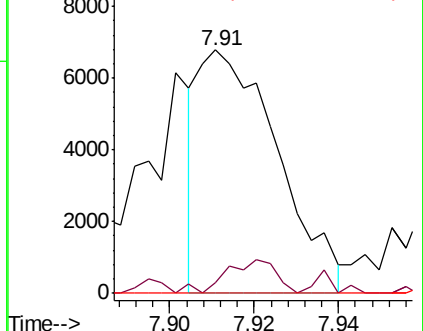
127 0.0 6.5 9.7#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.679 ppbv

RT: 8.13 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

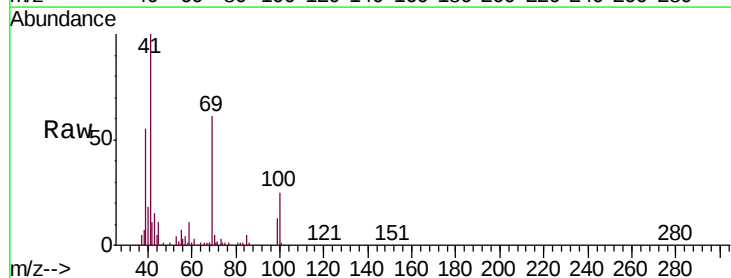
Tgt Ion: 69 Resp: 49528

Ion Ratio Lower Upper

69 100

41 137.7 116.3 174.5

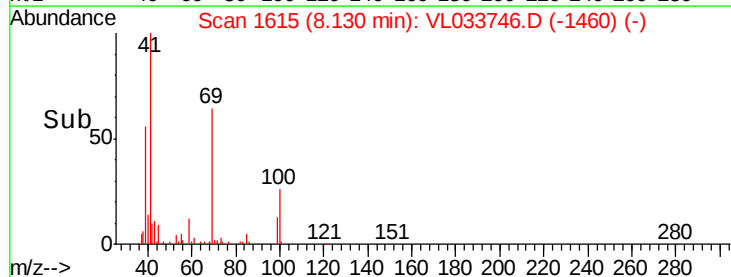
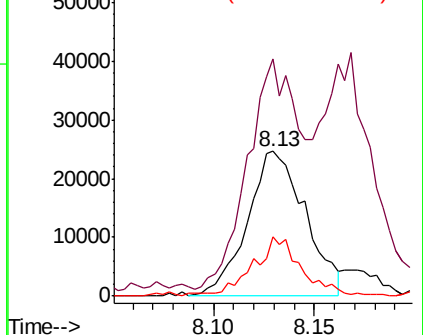
100 35.2 25.3 37.9

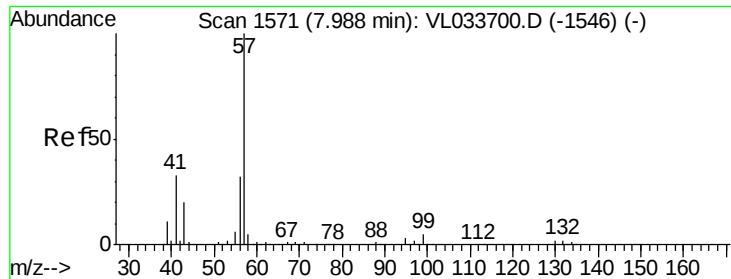


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

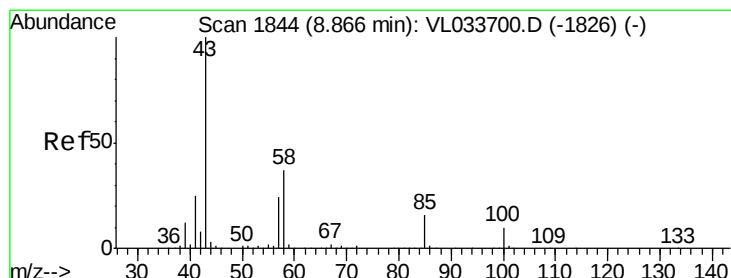
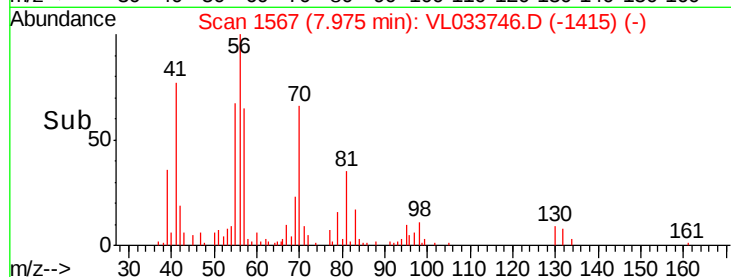
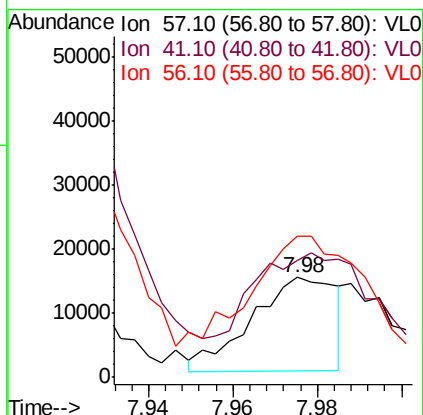
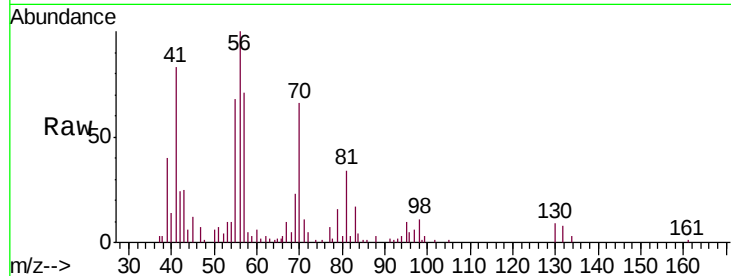




#44
 2,2,4-Trimethylpentane
 Concen: 0.061 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

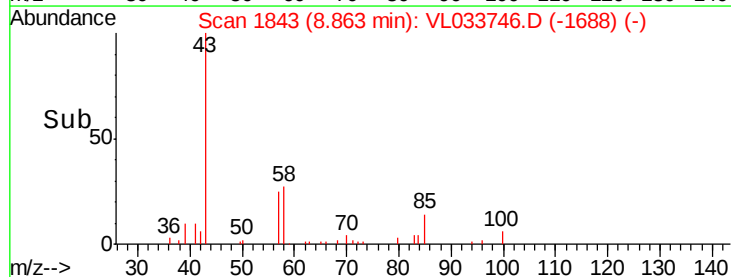
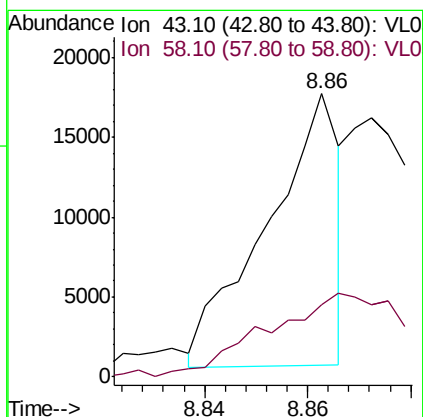
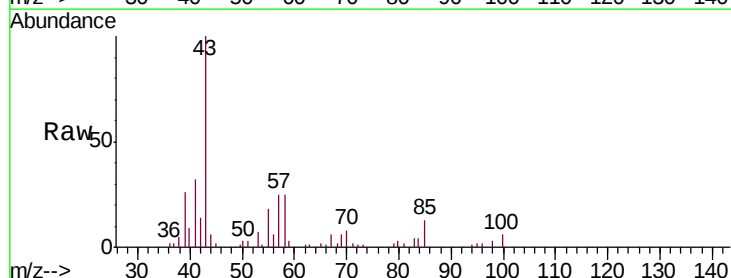
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

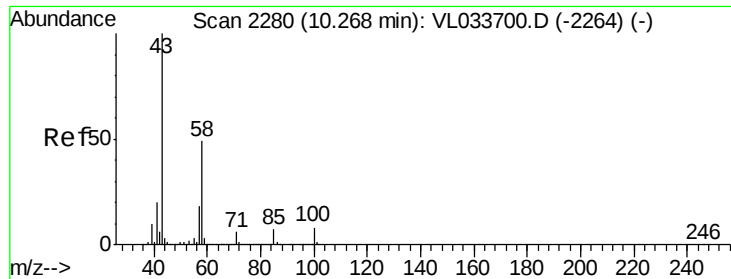
Tgt Ion: 57 Resp: 20279
 Ion Ratio Lower Upper
 57 100
 41 212.8 25.4 38.0#
 56 212.8 24.7 37.1#



#50
 4-Methyl-2-Pentanone
 Concen: 0.080 ppbv
 RT: 8.86 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 43 Resp: 16628
 Ion Ratio Lower Upper
 43 100
 58 72.0 28.6 43.0#

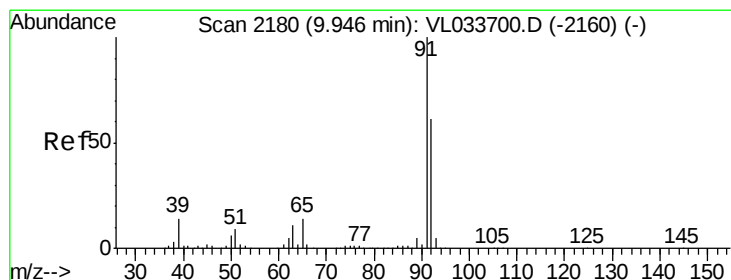
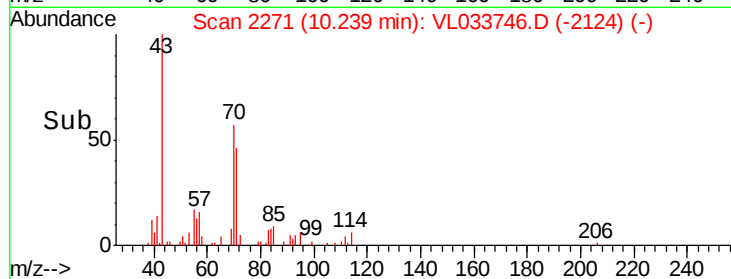
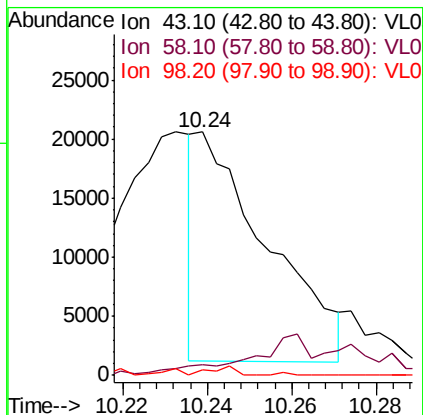
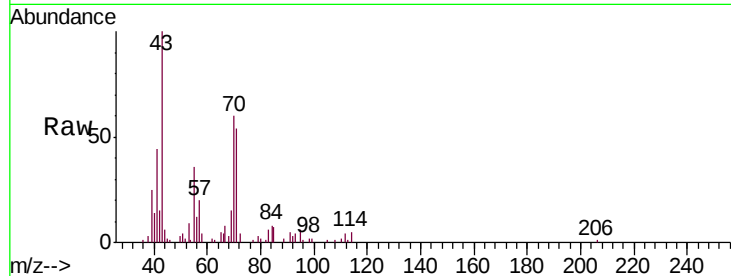




#51
2-Hexanone
Concen: 0.137 ppbv
RT: 10.24 min Scan# 2271
Delta R.T. -0.03 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

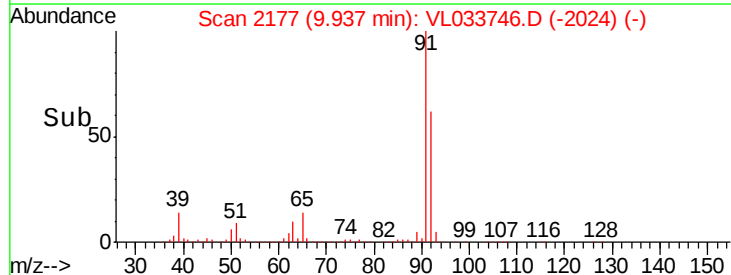
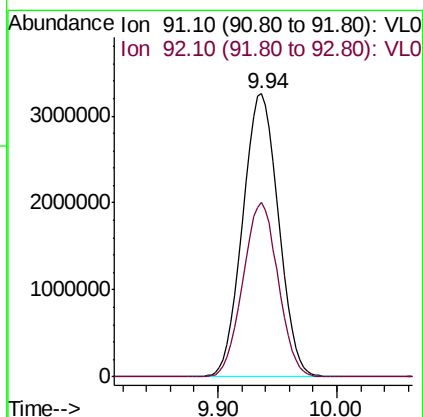
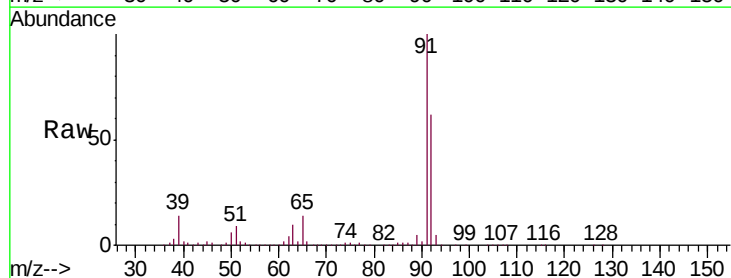
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

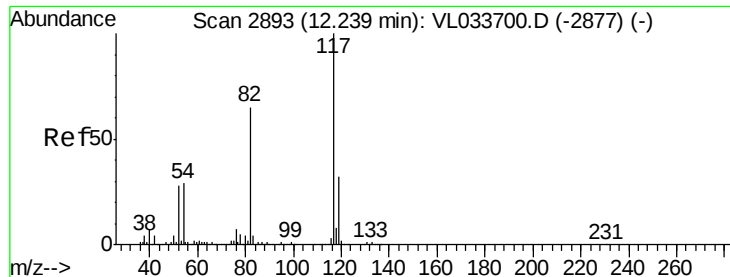
Tgt Ion: 43 Resp: 22251
Ion Ratio Lower Upper
43 100
58 29.2 38.7 58.1#
98 0.0 0.2 0.4#



#53
Toluene
Concen: 31.771 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion: 91 Resp: 6795627
Ion Ratio Lower Upper
91 100
92 60.6 47.6 71.4

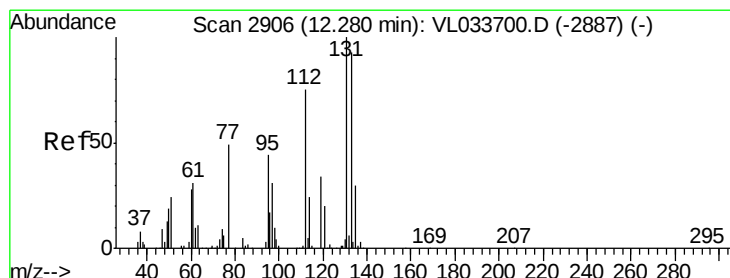
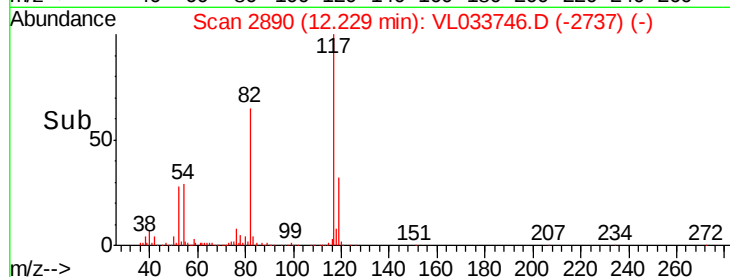
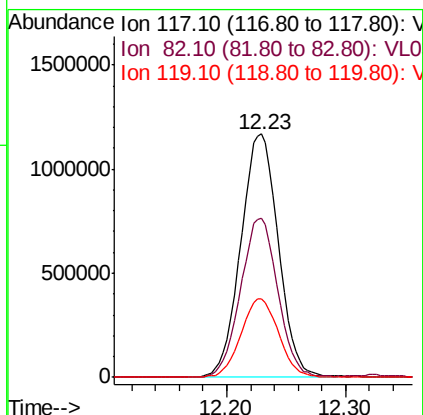
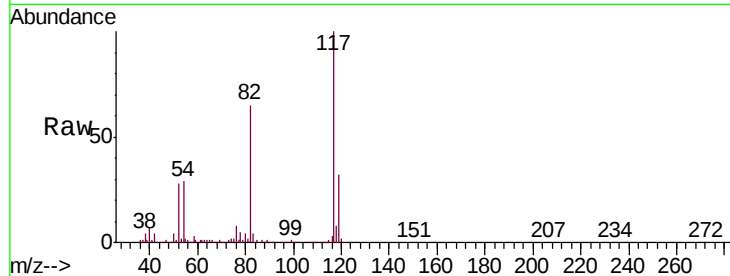




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

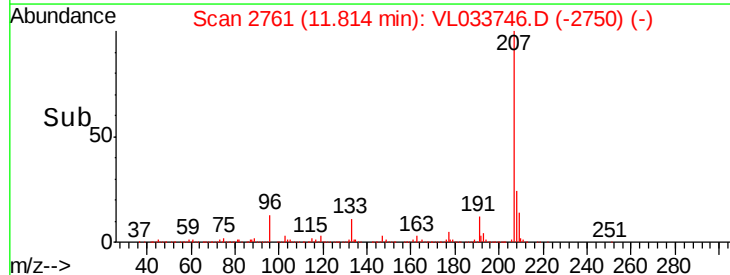
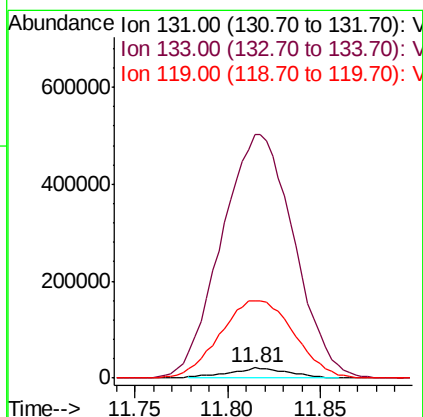
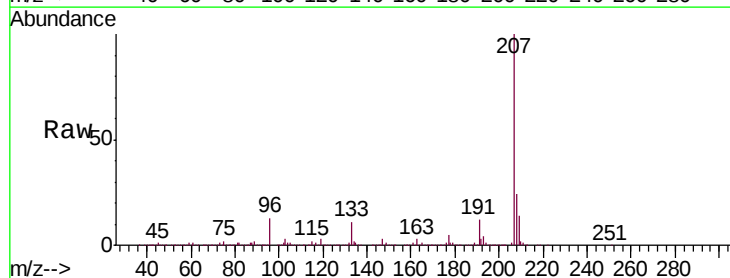
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

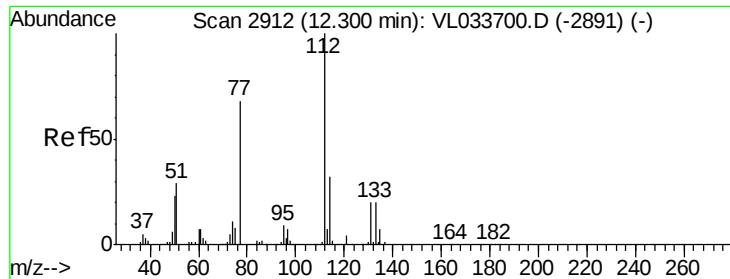
Tgt Ion:117 Resp: 2550583
Ion Ratio Lower Upper
117 100
82 65.1 49.4 74.0
119 32.5 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.381 ppbv
RT: 11.81 min Scan# 2761
Delta R.T. -0.47 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion:131 Resp: 44985
Ion Ratio Lower Upper
131 100
133 2723.1 76.6 114.8#
119 887.3 49.0 73.4#





#57

Chlorobenzene

Concen: 0.011 ppbv

RT: 12.28 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

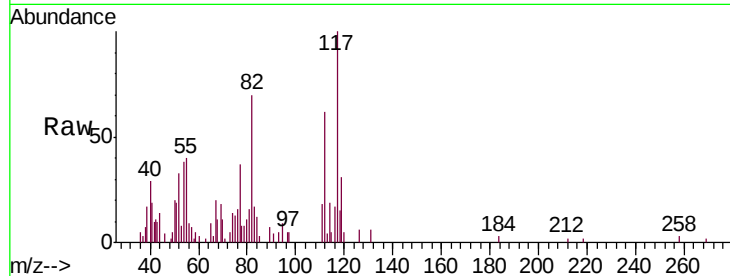
Tgt Ion: 112 Resp: 2406

Ion Ratio Lower Upper

112 100

77 22.9 55.4 83.0#

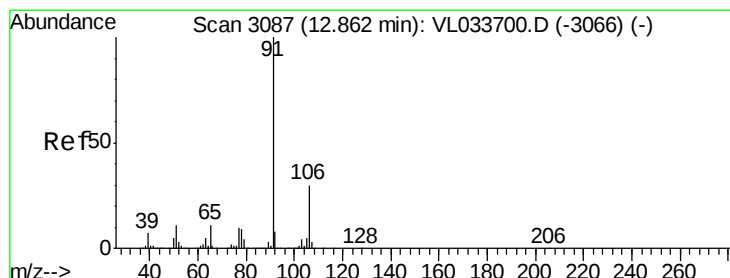
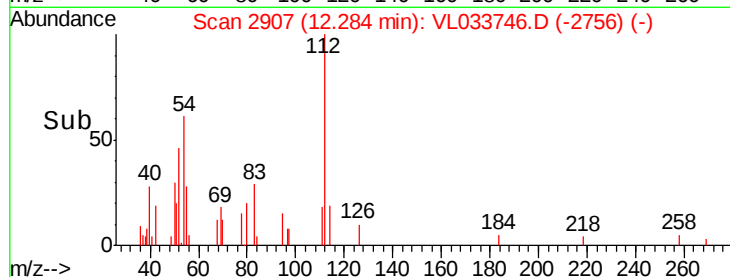
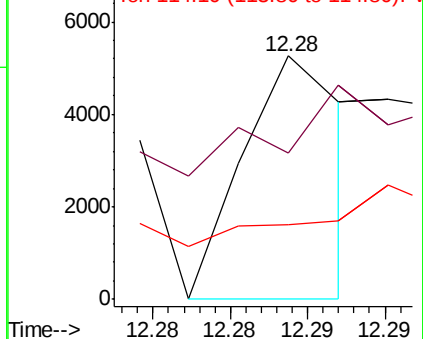
114 16.3 29.3 35.8#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.263 ppbv

RT: 12.85 min Scan# 3084

Delta R.T. -0.01 min

Lab File: VL033746.D

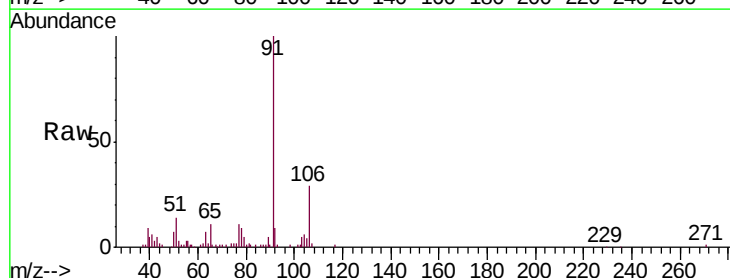
Acq: 22 May 2019 16:11

Tgt Ion: 91 Resp: 88839

Ion Ratio Lower Upper

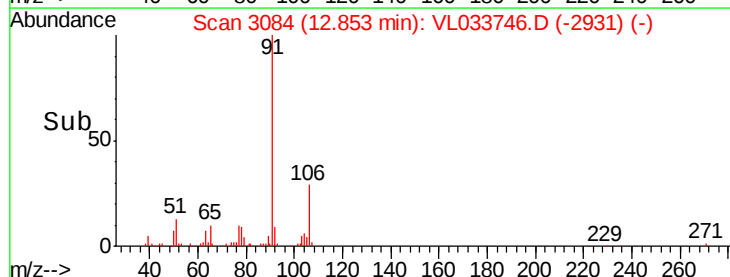
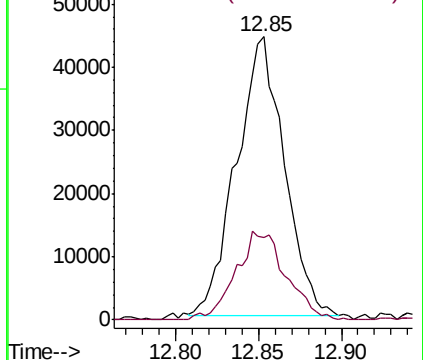
91 100

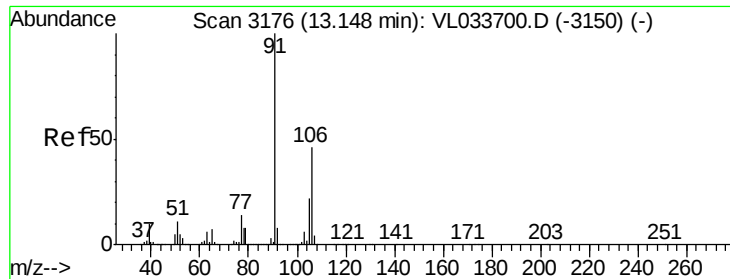
106 29.2 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

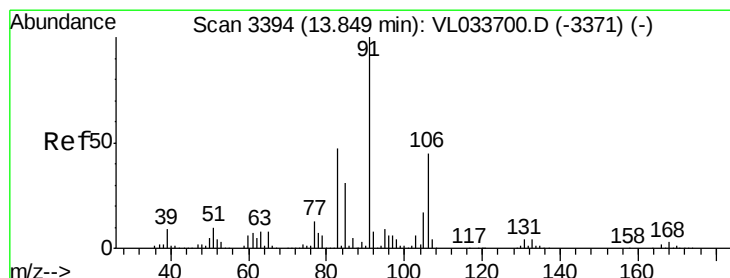
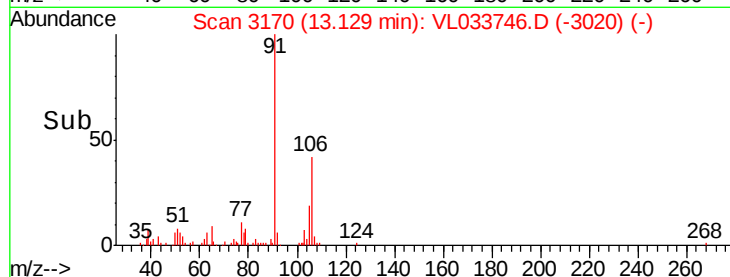
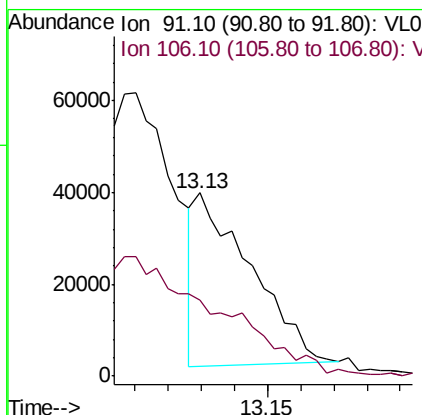
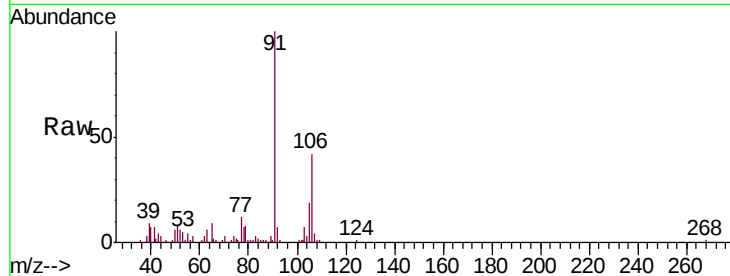




#59
m/p-Xylene
Concen: 0.148 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

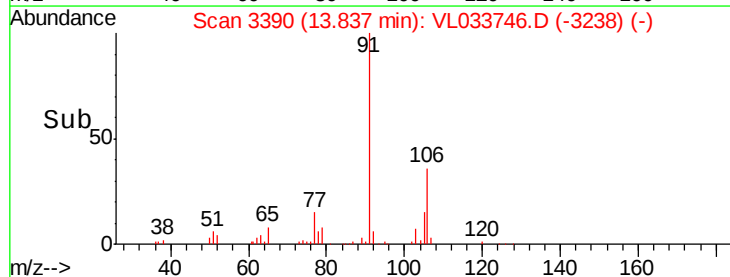
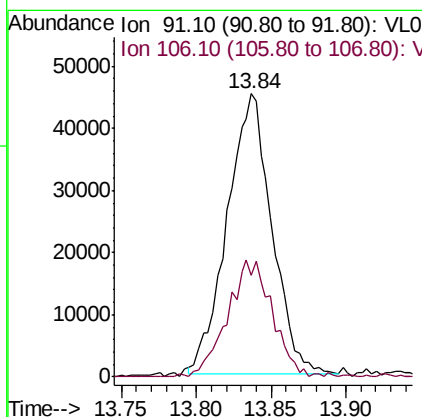
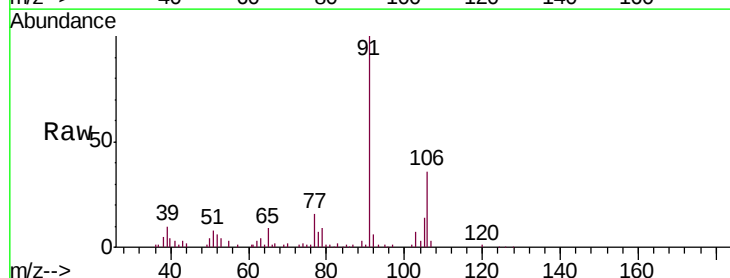
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

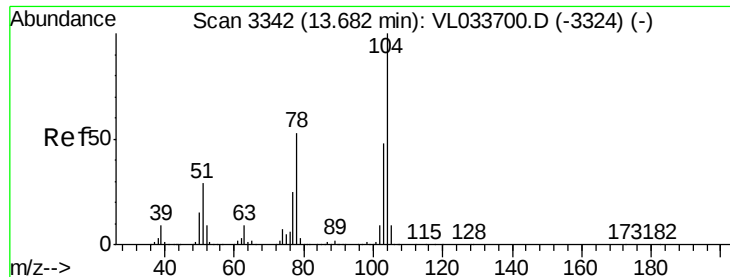
Tgt Ion: 91 Resp: 43575
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.6#



#60
o-Xylene
Concen: 0.313 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion: 91 Resp: 93240
Ion Ratio Lower Upper
91 100
106 42.2 21.6 64.8

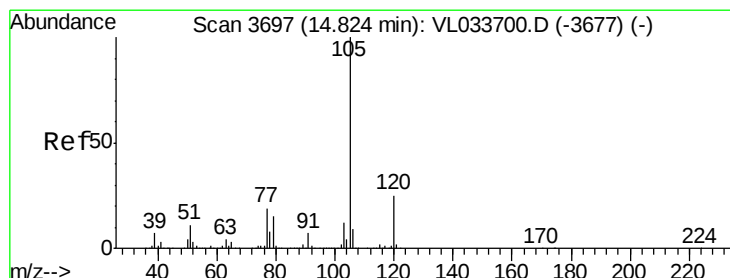
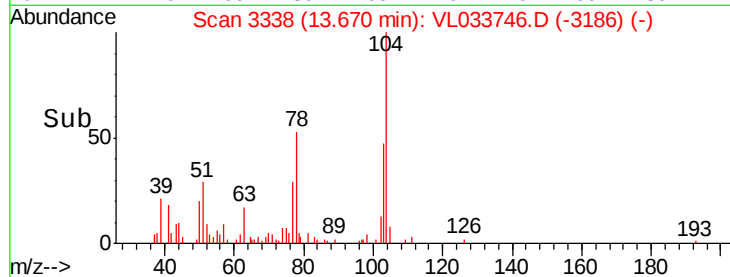
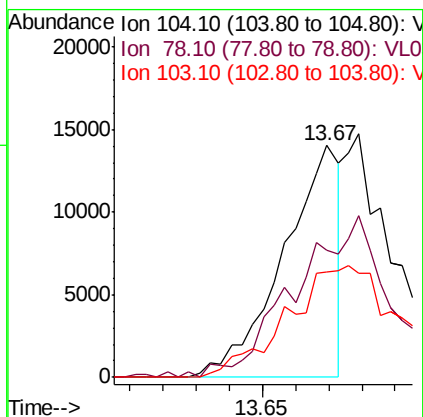
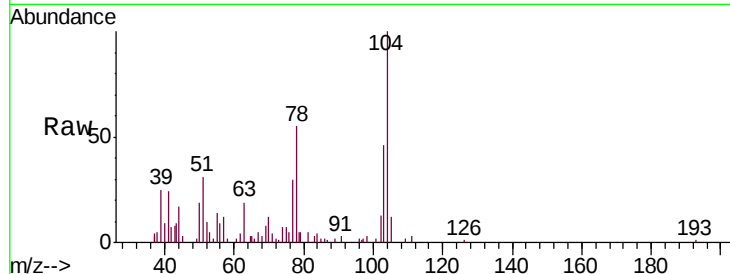




#61
Styrene
Concen: 0.083 ppbv
RT: 13.67 min Scan# 3338
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

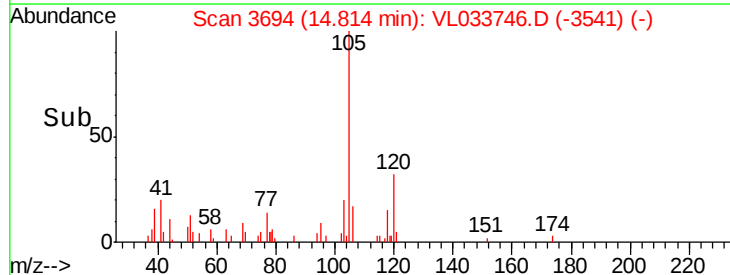
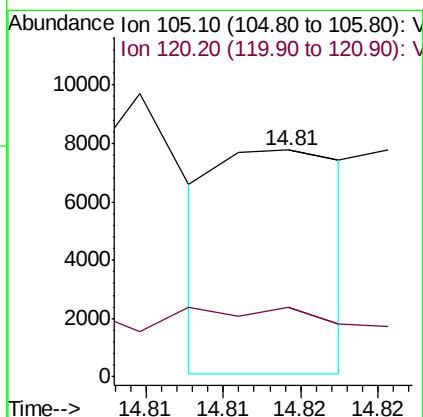
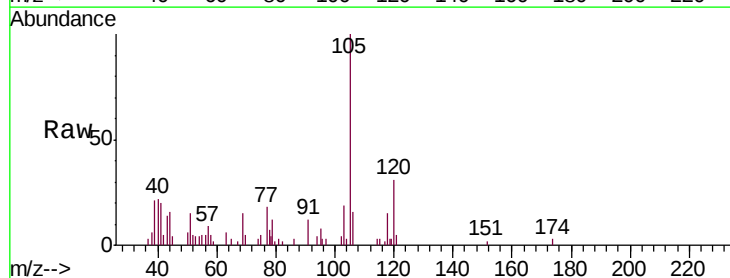
Instrument :
MSVOA_L
ClientSampleId :
BPS1-ODA-3001-04

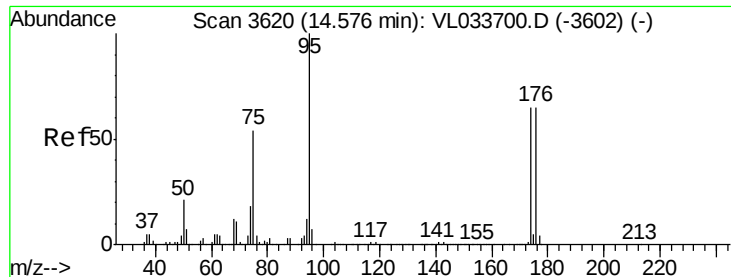
Tgt Ion:104 Resp: 16598
Ion Ratio Lower Upper
104 100
78 0.0 42.6 64.0#
103 0.0 37.8 56.6#



#62
Isopropylbenzene
Concen: 0.011 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.01 min
Lab File: VL033746.D
Acq: 22 May 2019 16:11

Tgt Ion:105 Resp: 4359
Ion Ratio Lower Upper
105 100
120 99.2 20.1 30.1#

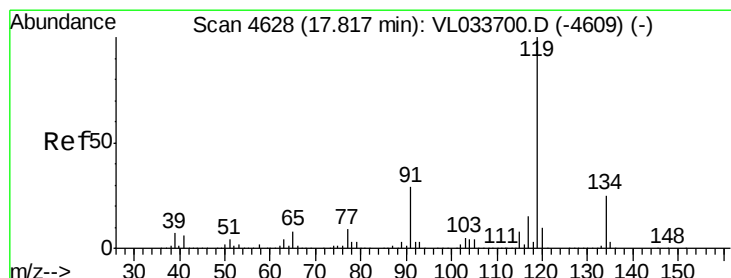
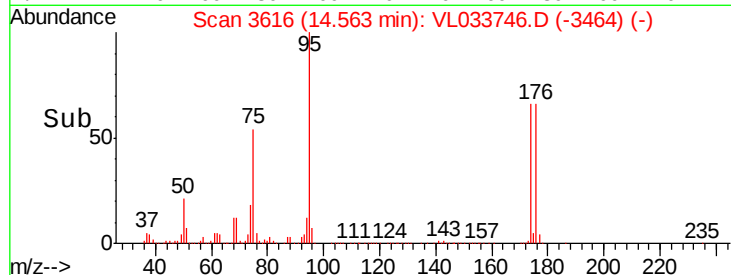
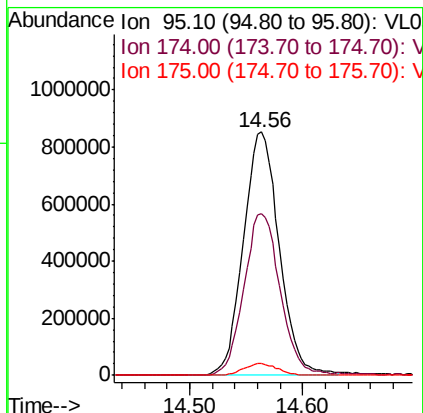
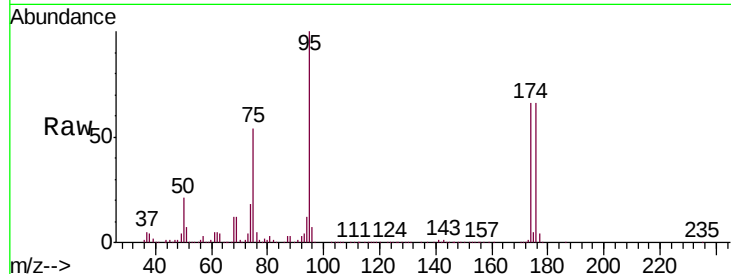




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.092 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

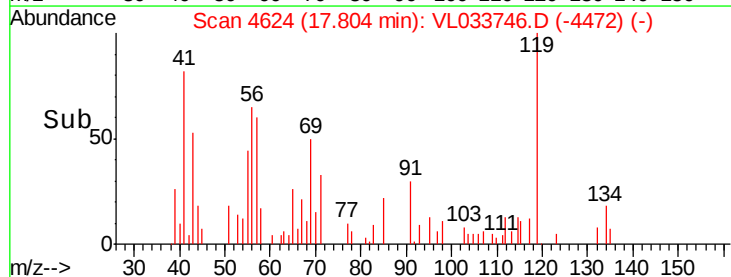
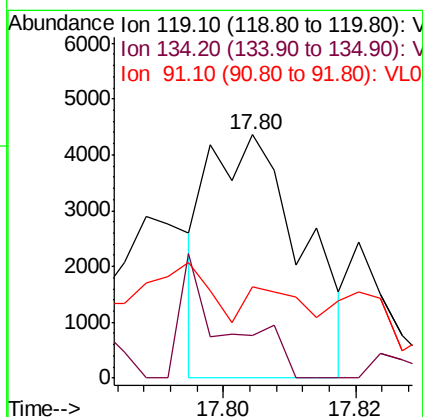
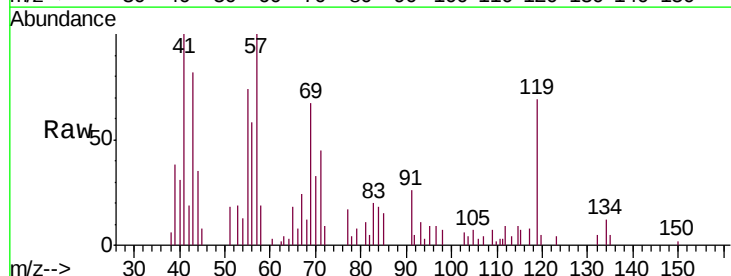
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-ODA-3001-04

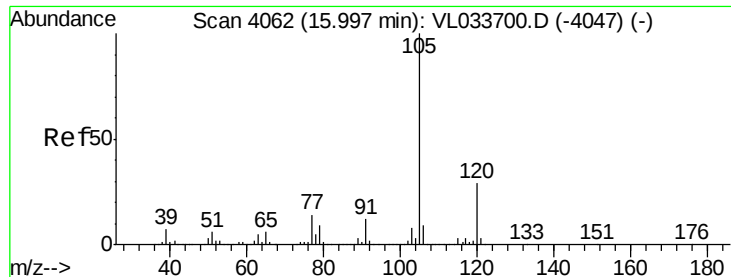
Tgt Ion: 95 Resp: 1879954
 Ion Ratio Lower Upper
 95 100
 174 68.2 53.9 80.9
 175 4.8 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.010 ppbv
 RT: 17.80 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL033746.D
 Acq: 22 May 2019 16:11

Tgt Ion: 119 Resp: 4259
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.3 30.5#
 91 0.0 23.1 34.7#





#72

4-Ethyltoluene

Concen: 0.031 ppbv

RT: 15.98 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

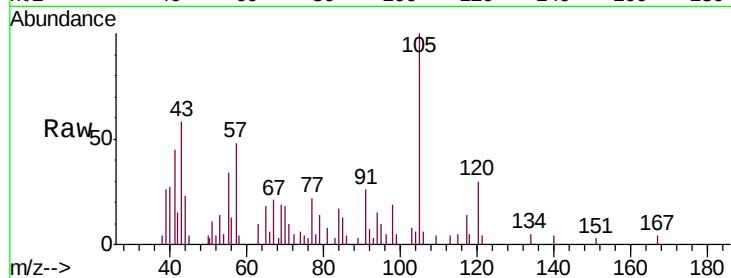
Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

Tgt Ion:	105	Resp:	10625
Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.1	34.7#
91	18.5	10.4	15.6#
77	0.0	11.0	16.6#



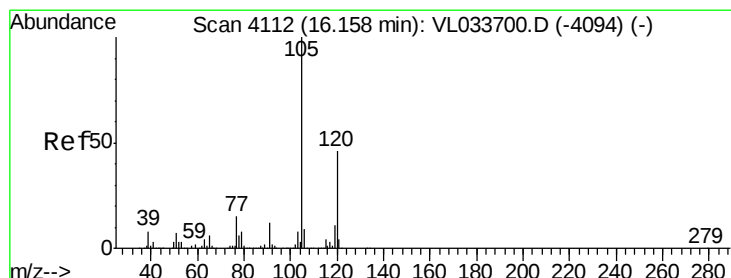
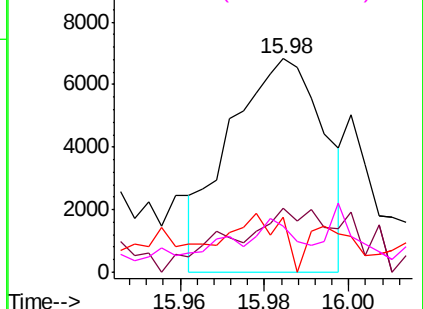
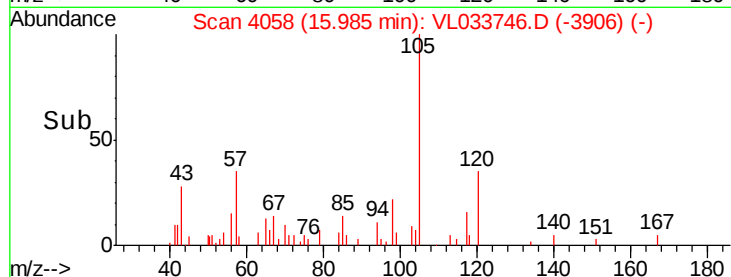
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.029 ppbv

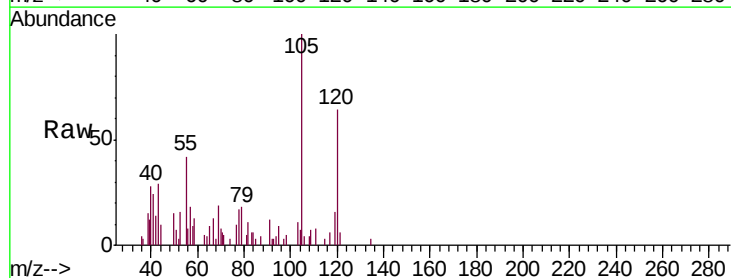
RT: 16.15 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

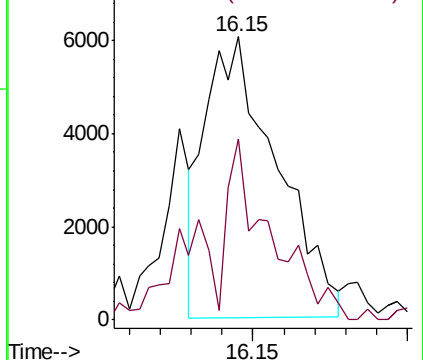
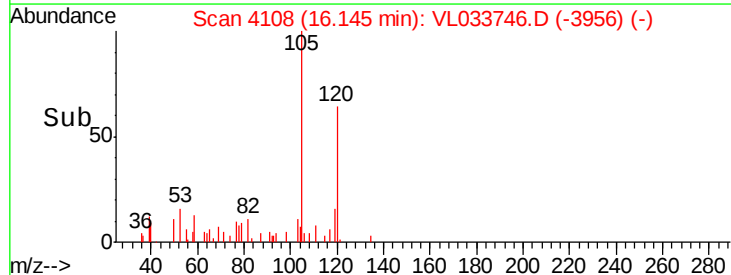
Tgt Ion:	105	Resp:	9715
Ion	Ratio	Lower	Upper
105	100		
120	64.1	37.0	55.4#

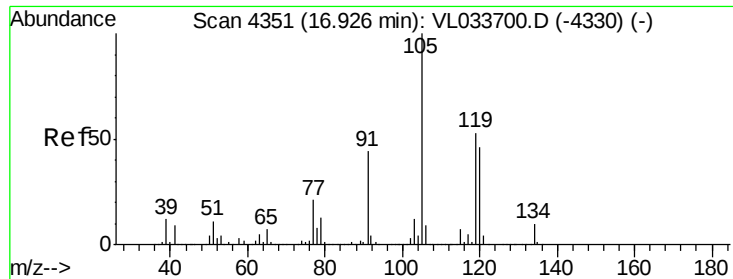


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.170 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

Tgt Ion:105 Resp: 61407

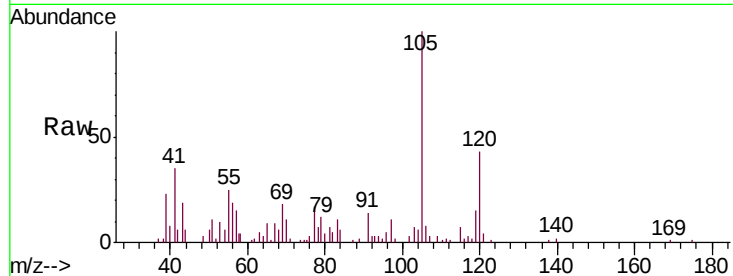
Ion Ratio Lower Upper

105 100

120 47.7 36.8 55.2

91 13.1 35.4 53.0#

77 16.2 16.8 25.2#



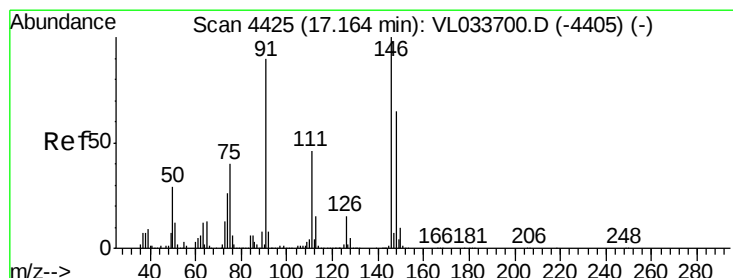
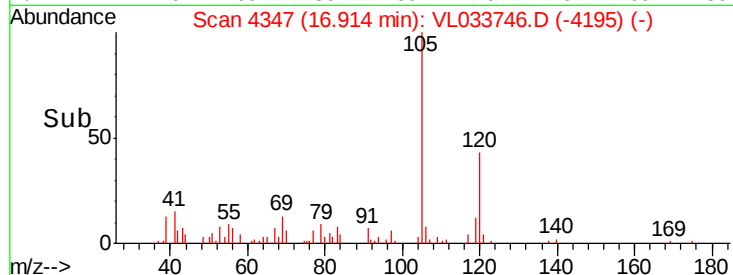
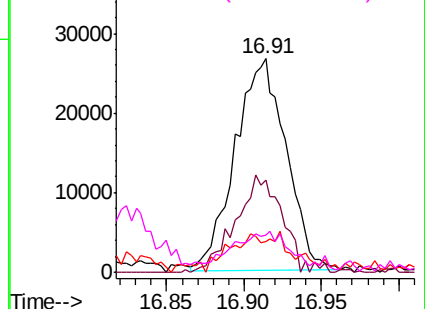
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.327 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.02 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

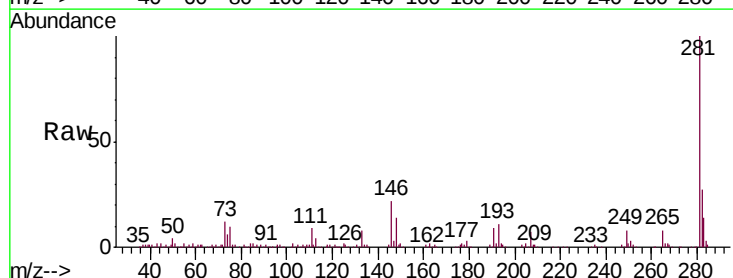
Tgt Ion:146 Resp: 72470

Ion Ratio Lower Upper

146 100

111 80.2 22.9 68.8#

148 76.2 32.0 96.2

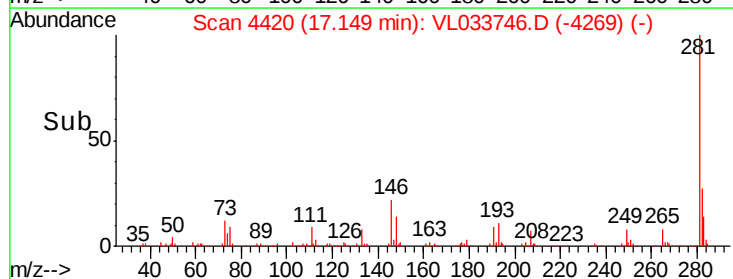
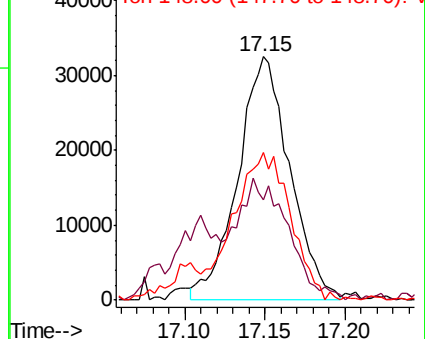


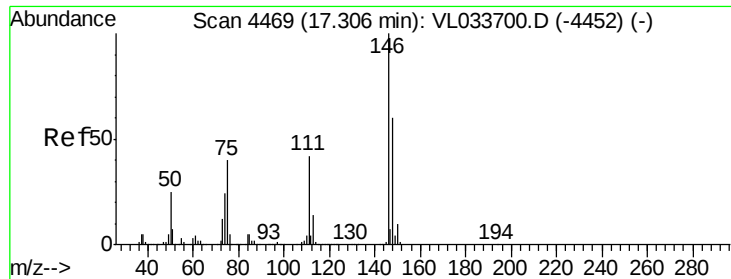
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.089 ppbv

RT: 17.29 min Scan# 4465

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

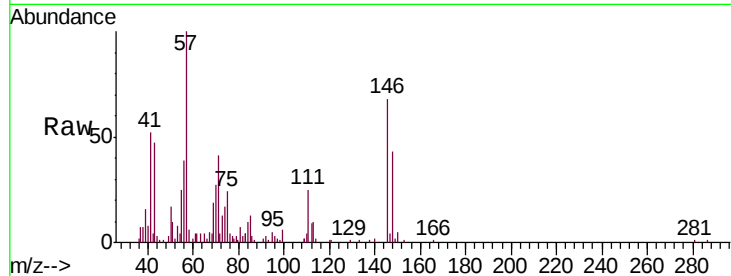
Tgt Ion:146 Resp: 18774

Ion Ratio Lower Upper

146 100

111 89.3 21.9 65.8#

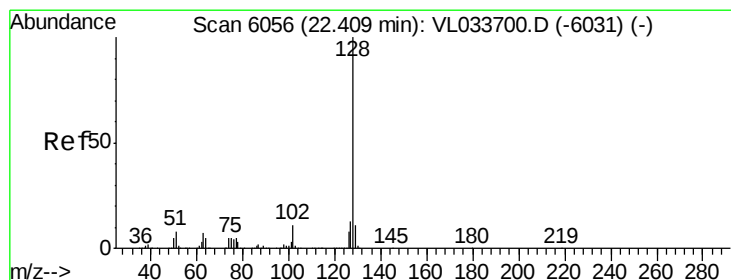
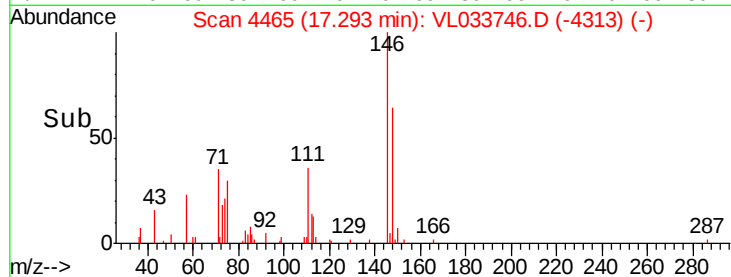
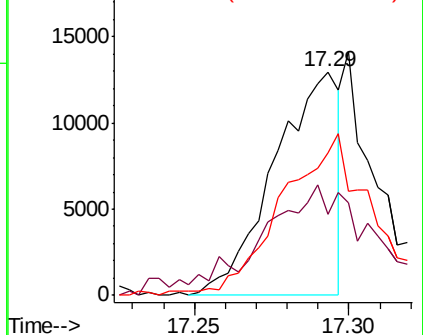
148 0.0 32.1 96.3#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#79

Naphthalene

Concen: 0.028 ppbv

RT: 22.40 min Scan# 6052

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

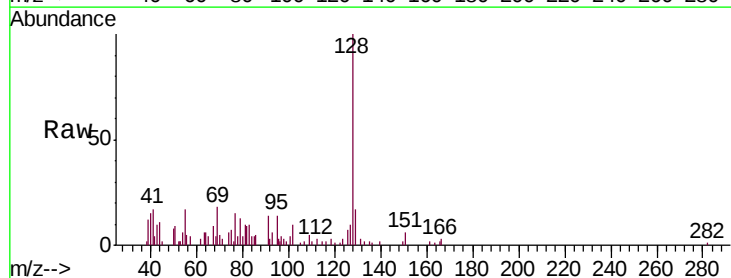
Tgt Ion:128 Resp: 9280

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

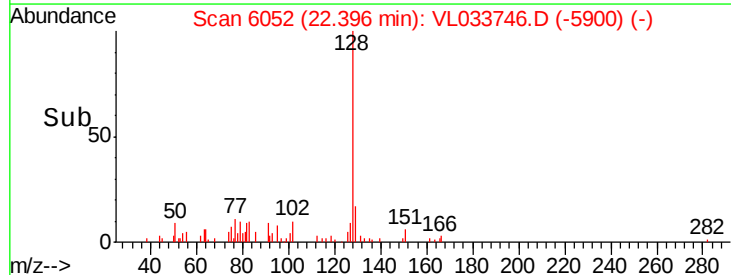
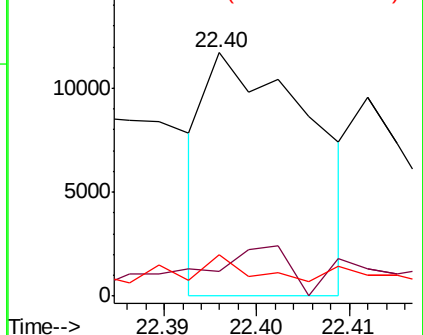
129 28.6 8.9 13.3#

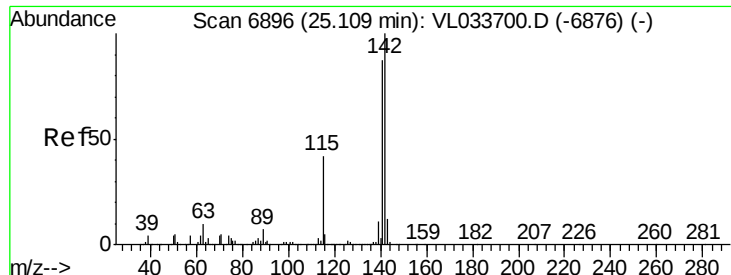


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.043 ppbv

RT: 25.10 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL033746.D

Acq: 22 May 2019 16:11

Instrument :

MSVOA_L

ClientSampleId :

BPS1-ODA-3001-04

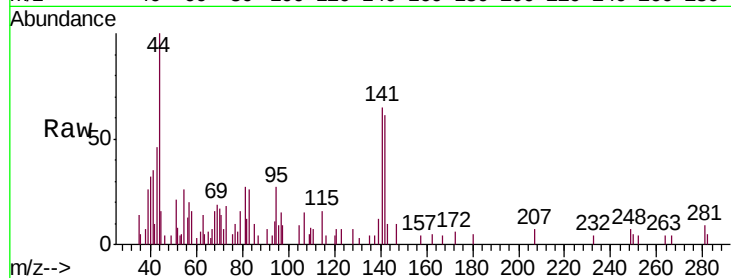
Tgt Ion:142 Resp: 5448

Ion Ratio Lower Upper

142 100

141 93.0 67.2 100.8

115 65.9 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

