

Data File : VL033782.D
Acq On : 23 May 2019 20:46
Operator : SY/AP
Sample : K2929-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

Quant Time: May 24 04:28:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	944103	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2476651	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2408635	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1999740	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	41714	0.210	ppbv	100
3) Chlorodifluoromethane	3.01	51	58495	0.541	ppbv #	80
4) Chloromethane	3.17	50	27593	0.446	ppbv	97
7) Chloroethane	3.60	64	325	0.015	ppbv #	46
9) Propene	3.03	41	404257	8.789	ppbv	94
10) Heptane	8.24	43	382850	2.939	ppbv	99
11) Trichlorofluoromethane	4.00	101	66954	0.353	ppbv	91
13) Ethanol	3.66	45	363579	24.455	ppbv	99
15) Acetone	3.89	43	4432875	33.842	ppbv	98
16) 1,3-Butadiene	3.34	39	389619	7.469	ppbv #	20
17) tert-Butyl alcohol	4.37	59	17045	0.161	ppbv #	72
19) Isopropyl Alcohol	4.04	45	149248	1.767	ppbv #	94
20) Methylene Chloride	4.41	84	116997	2.320	ppbv	93
21) Allyl Chloride	4.47	41	2501	0.031	ppbv #	18
23) Vinyl Acetate	5.15	43	21293	0.123	ppbv #	1
25) Ethyl Acetate	5.76	43	1296987	5.636	ppbv	98
26) Hexane	5.78	57	492113	4.975	ppbv	84
27) Carbon Disulfide	4.62	76	139294	1.026	ppbv #	92
29) Chloroform	5.84	83	6772	0.037	ppbv	92
30) Cyclohexane	7.24	84	26337	0.317	ppbv #	30
31) cis-1,2-Dichloroethene	5.76	61	128998	1.315	ppbv #	26
34) 2-Butanone	5.33	43	320168	2.086	ppbv	99
35) Carbon Tetrachloride	7.13	117	4394	0.022	ppbv #	91
36) Benzene	6.99	78	343429	1.524	ppbv	95
38) Trichloroethene	7.95	130	1007	0.012	ppbv	89
39) 1,2-Dichloropropane	7.29	63	583928	6.952	ppbv #	22
41) Tetrahydrofuran	6.12	42	5272	0.061	ppbv #	55
42) Bromodichloromethane	7.91	83	4944	0.025	ppbv #	23
43) Methyl Methacrylate	8.13	69	3653	0.044	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	178842	0.470	ppbv #	74
50) 4-Methyl-2-Pentanone	8.88	43	35721	0.151	ppbv	97
51) 2-Hexanone	10.26	43	5630	0.031	ppbv #	29
52) Tetrachloroethene	11.37	164	8938	0.113	ppbv	92
53) Toluene	9.94	91	5489751	22.592	ppbv	98
58) Ethyl Benzene	12.86	91	1269956	3.982	ppbv	99
59) m/p-Xylene	13.11	91	4165232	14.939	ppbv	97
60) o-Xylene	13.84	91	1388523	4.940	ppbv	97
61) Styrene	13.68	104	39222	0.207	ppbv	96
62) Isopropylbenzene	14.81	105	83907	0.222	ppbv	97
64) n-propylbenzene	15.71	120	38874	0.397	ppbv #	1
65) tert-Butylbenzene	16.92	119	97811	0.283	ppbv #	71

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

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BPS1-SG-3001-25

Quant Time: May 24 04:28:21 2019
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) sec-Butylbenzene	17.44	105	4937	0.010	ppbv #	59
69) p-Isopropyltoluene	17.70	119	26627	0.067	ppbv	92
70) n-Butylbenzene	18.70	91	6237	0.015	ppbv #	33
71) 2-Chlorotoluene	15.47	91	42995	0.153	ppbv #	50
72) 4-Ethyltoluene	15.99	105	365037	1.136	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	249747	0.796	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	896892	2.628	ppbv #	73
75) 1,3-Dichlorobenzene	17.15	146	6749	0.032	ppbv #	23
76) 1,4-Dichlorobenzene	17.30	146	13106	0.066	ppbv #	1
79) Naphthalene	22.41	128	42453	0.134	ppbv	97
80) Naphthalene,2-methyl-	25.42	142	3777	0.031	ppbv	94

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

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Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

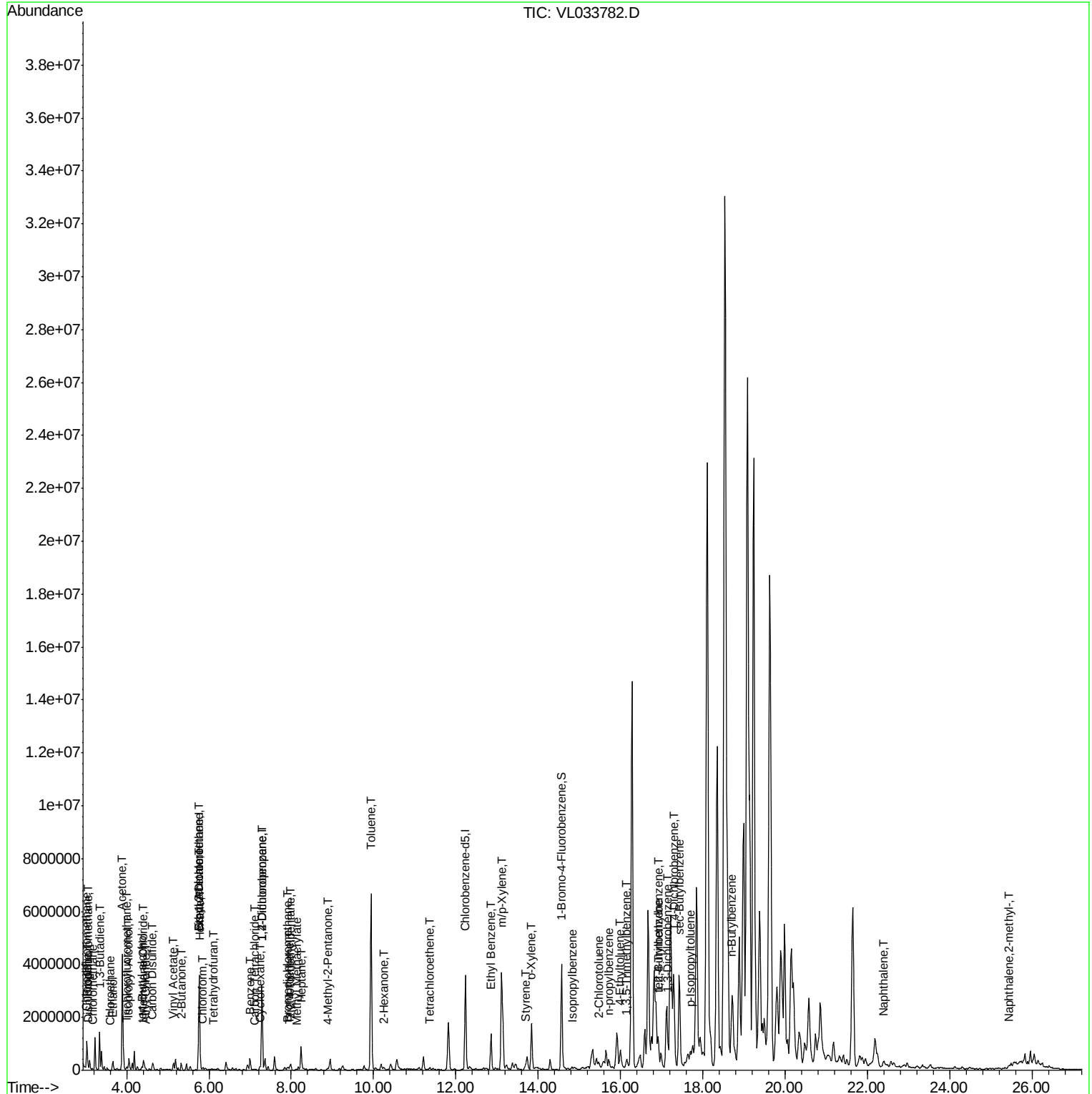
Quant Time: May 24 04:28:21 2019

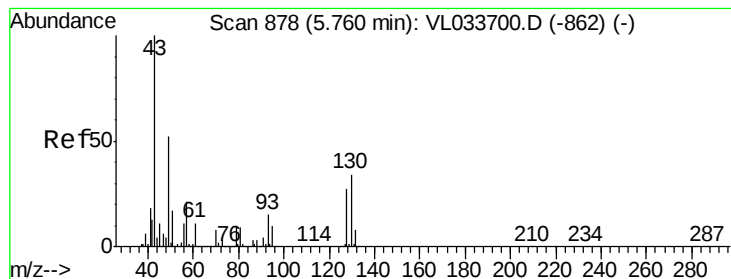
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

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QLast Update : Fri May 17 08:15:41 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033782.D

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Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

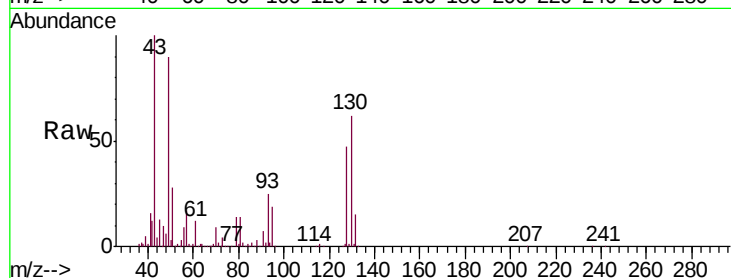
Tgt Ion: 49 Resp: 944103

Ion Ratio Lower Upper

49 100

128 52.1 25.2 75.6

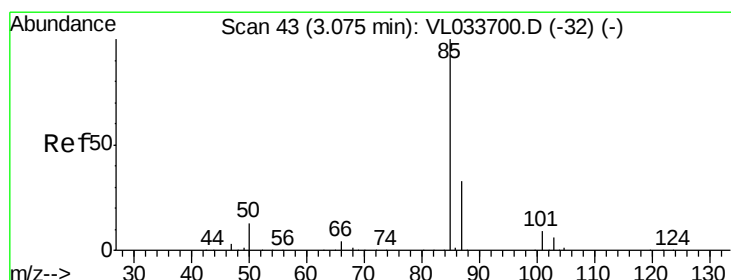
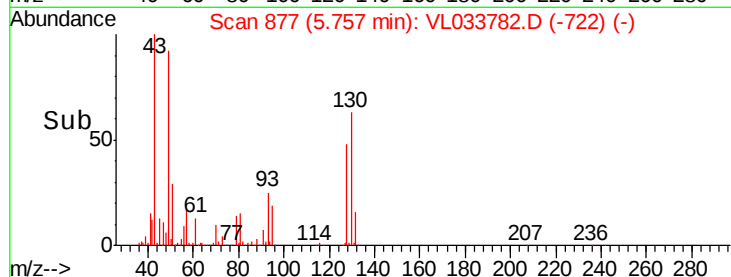
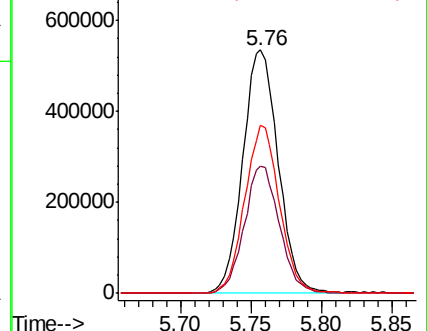
130 67.8 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.210 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033782.D

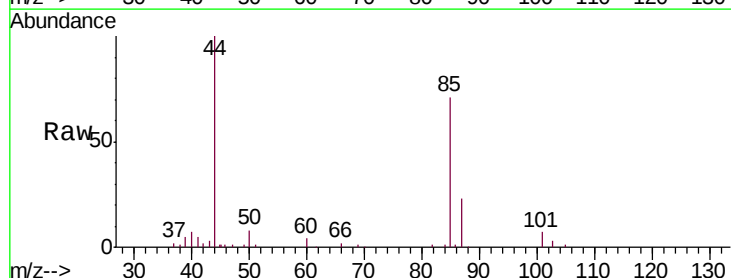
Acq: 23 May 2019 20:46

Tgt Ion: 85 Resp: 41714

Ion Ratio Lower Upper

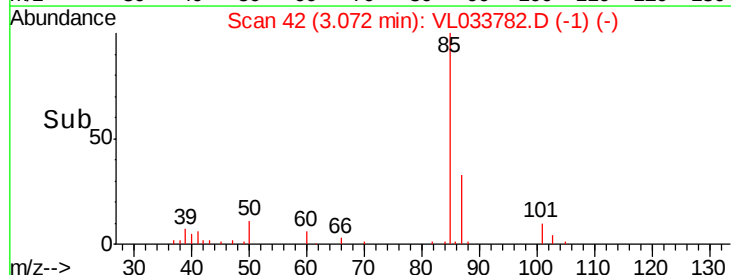
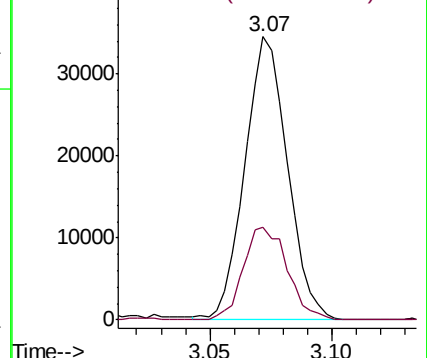
85 100

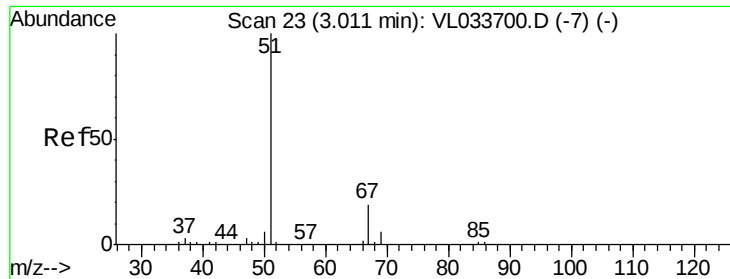
87 32.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.541 ppbv

RT: 3.01 min Scan# 24

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

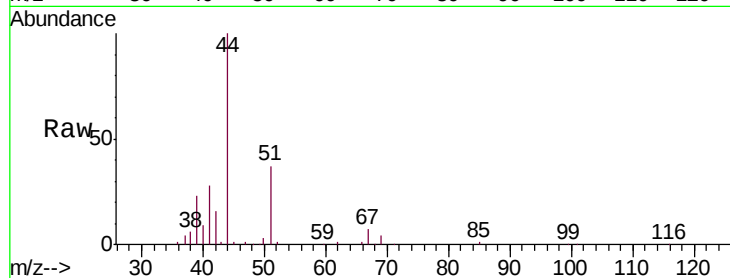
BPS1-SG-3001-25

Tgt Ion: 51 Resp: 58495

Ion Ratio Lower Upper

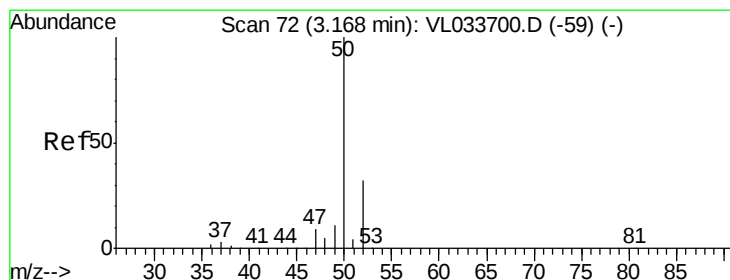
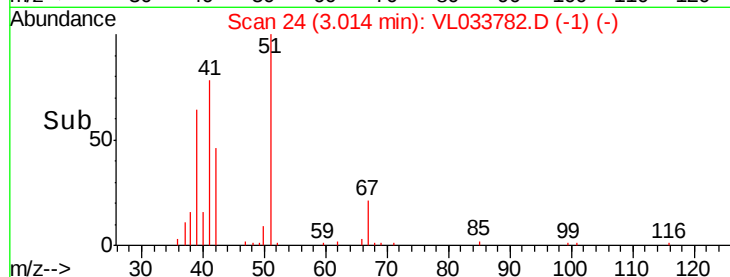
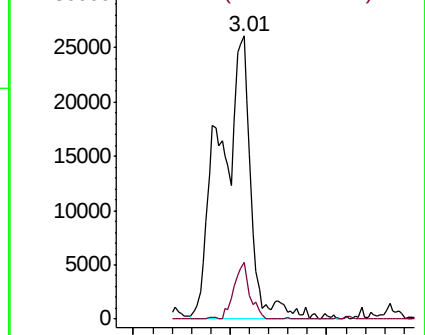
51 100

67 10.3 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.446 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033782.D

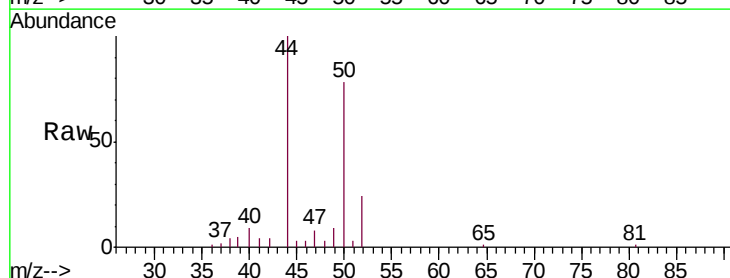
Acq: 23 May 2019 20:46

Tgt Ion: 50 Resp: 27593

Ion Ratio Lower Upper

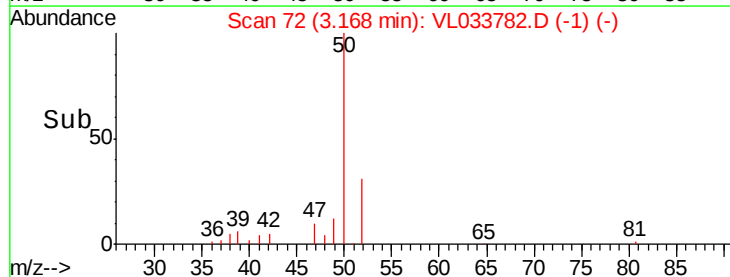
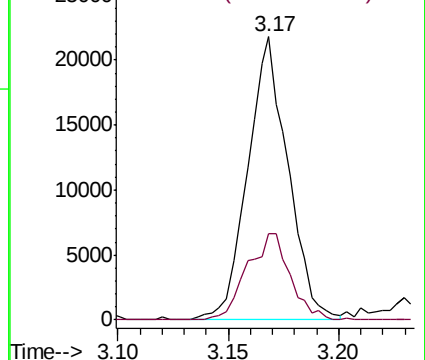
50 100

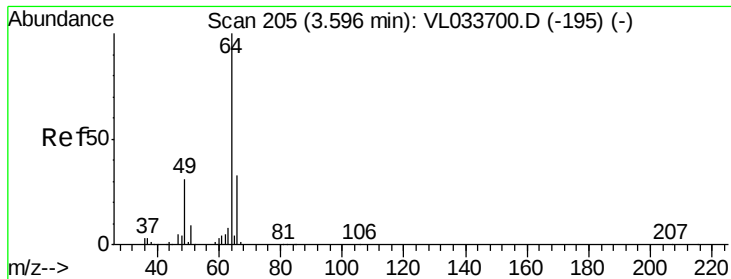
52 30.6 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#7

Chloroethane

Concen: 0.015 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

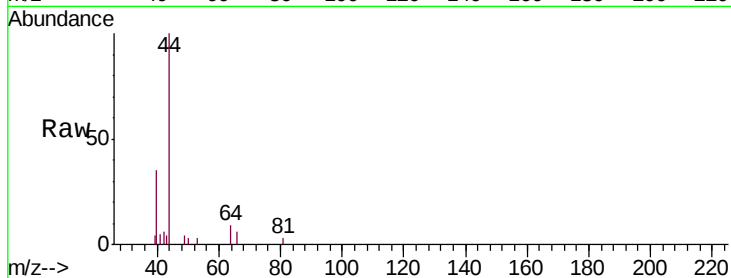
BPS1-SG-3001-25

Tgt Ion: 64 Resp: 325

Ion Ratio Lower Upper

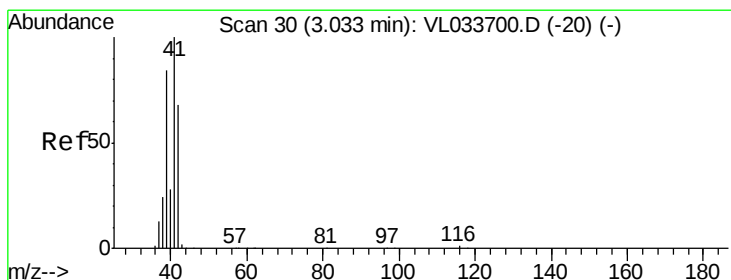
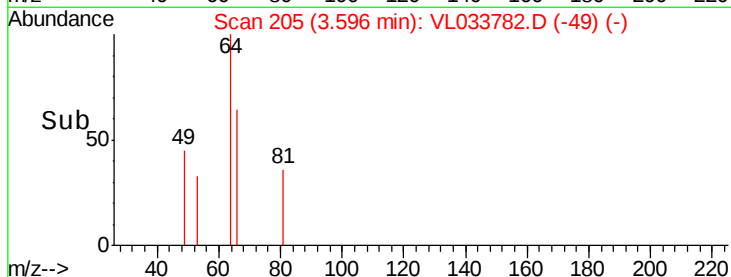
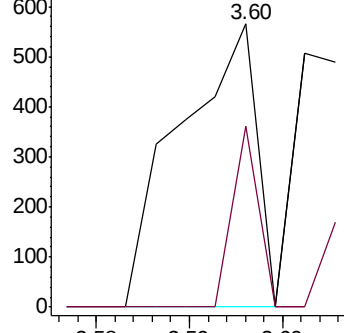
64 100

66 64.1 26.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 8.789 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033782.D

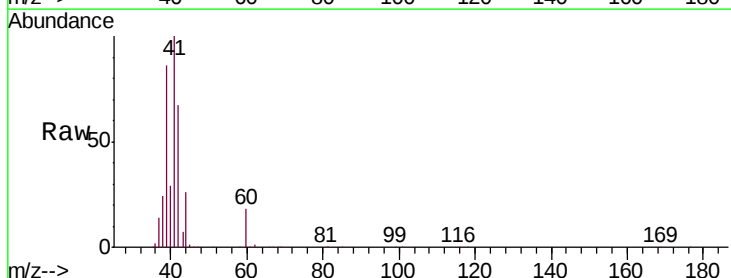
Acq: 23 May 2019 20:46

Tgt Ion: 41 Resp: 404257

Ion Ratio Lower Upper

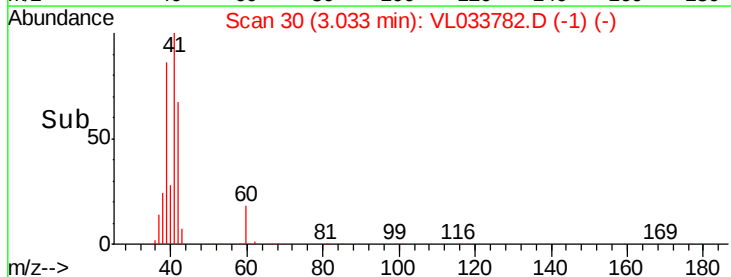
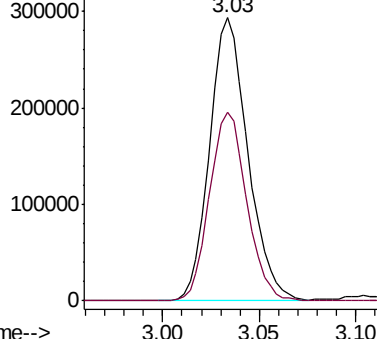
41 100

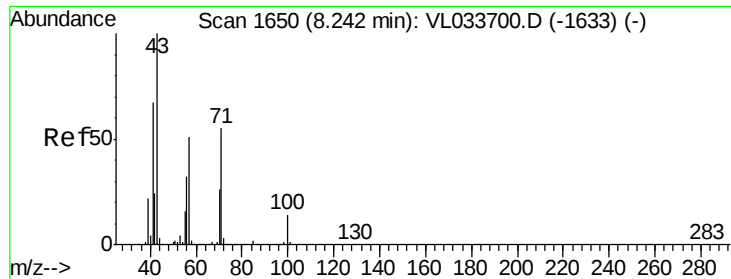
42 65.4 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 2.939 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033782.D

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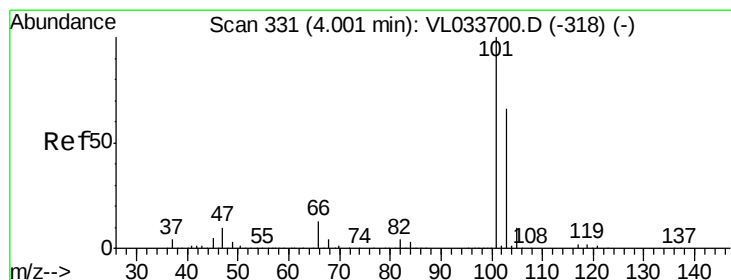
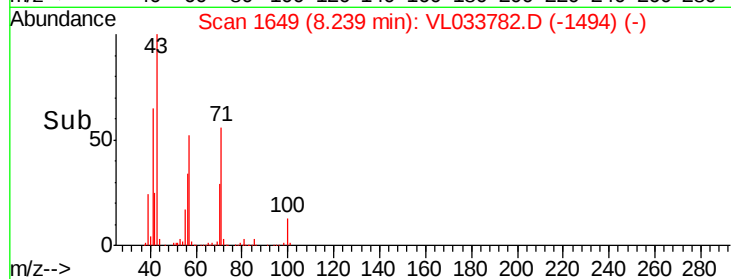
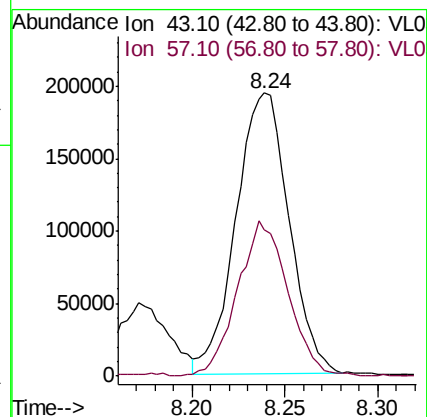
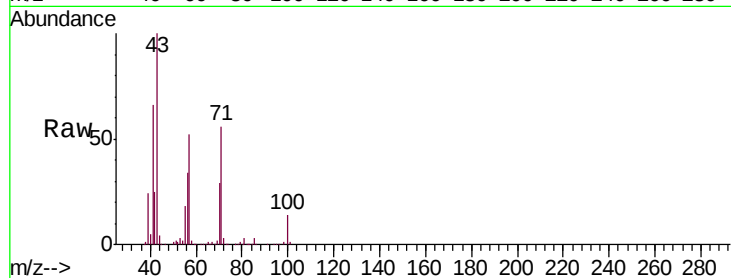
BPS1-SG-3001-25

Tgt Ion: 43 Resp: 382850

Ion Ratio Lower Upper

43 100

57 52.5 41.4 62.0



#11

Trichlorofluoromethane

Concen: 0.353 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033782.D

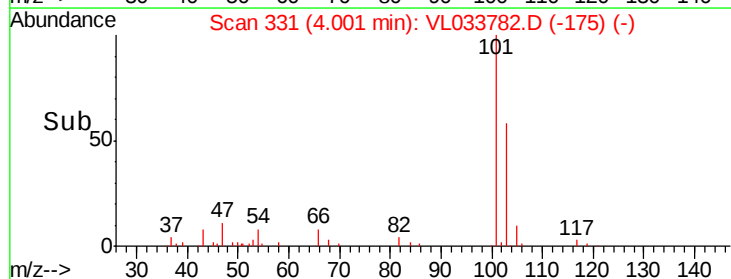
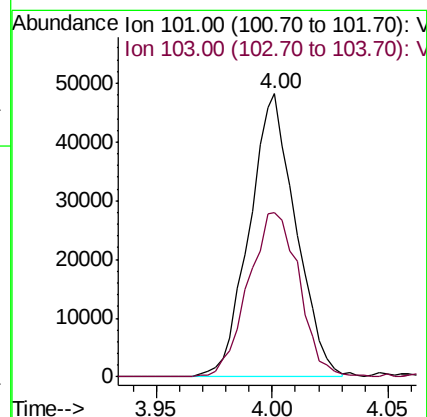
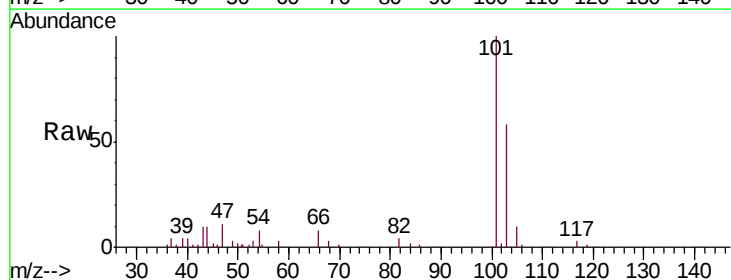
Acq: 23 May 2019 20:46

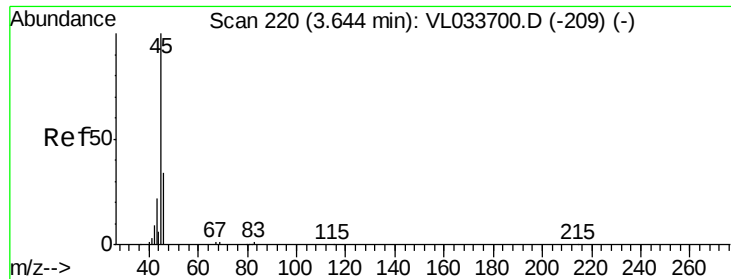
Tgt Ion: 101 Resp: 66954

Ion Ratio Lower Upper

101 100

103 58.4 52.6 78.8





#13

Ethanol

Concen: 24.455 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.02 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

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ClientSampleId :

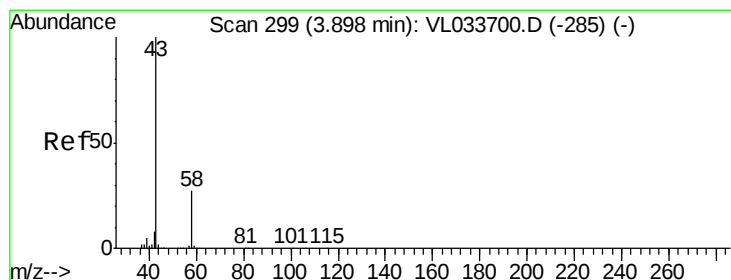
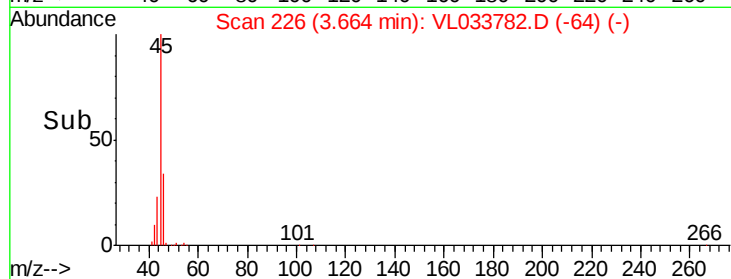
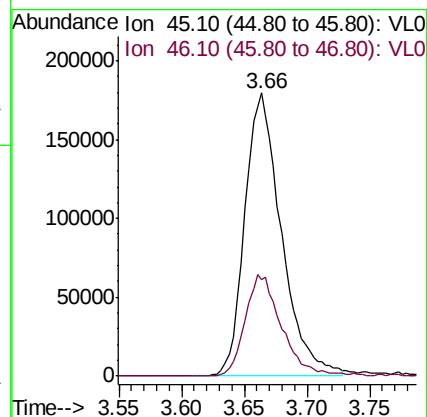
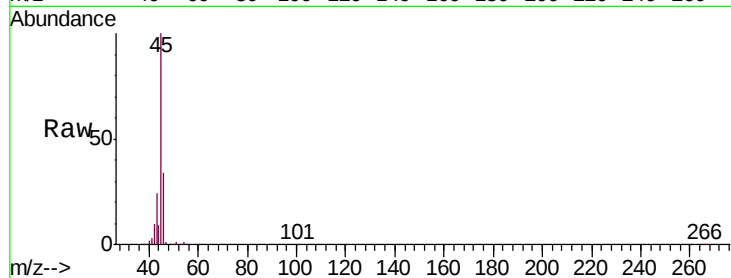
BPS1-SG-3001-25

Tgt Ion: 45 Resp: 363579

Ion Ratio Lower Upper

45 100

46 36.3 14.8 59.0



#15

Acetone

Concen: 33.842 ppbv

RT: 3.89 min Scan# 297

Delta R.T. -0.01 min

Lab File: VL033782.D

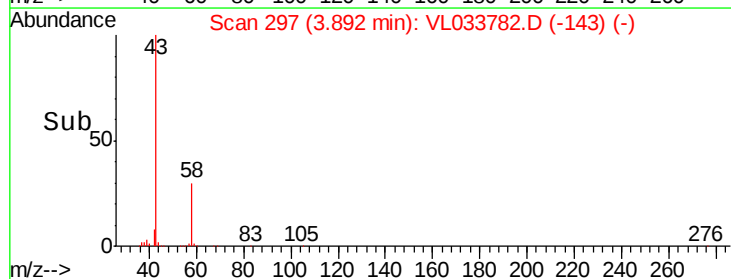
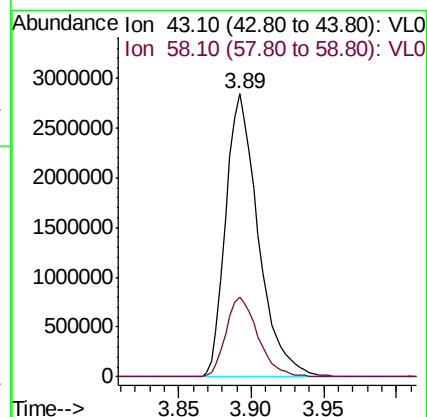
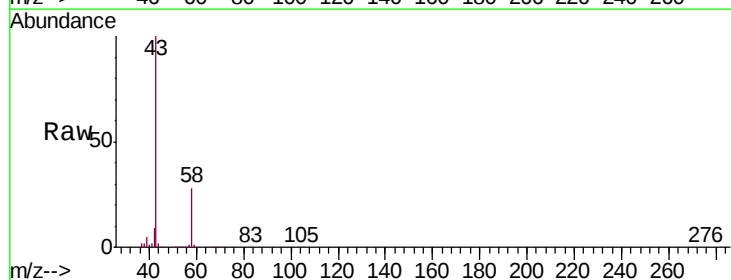
Acq: 23 May 2019 20:46

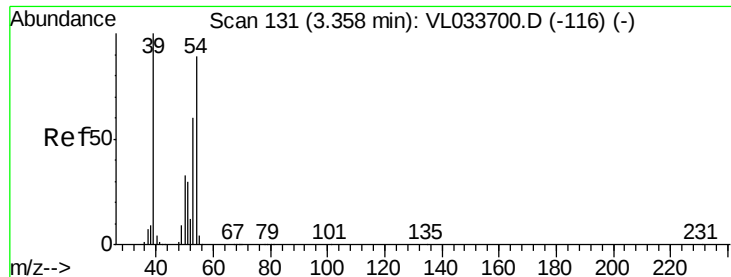
Tgt Ion: 43 Resp: 4432875

Ion Ratio Lower Upper

43 100

58 27.7 21.3 31.9

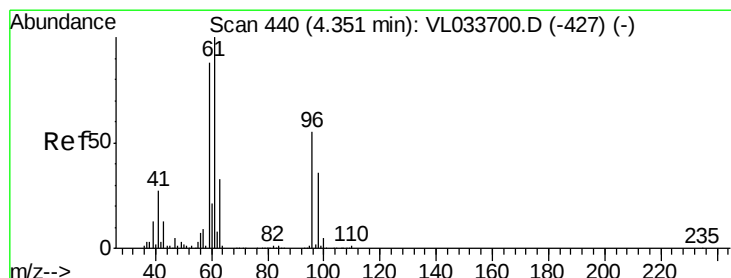
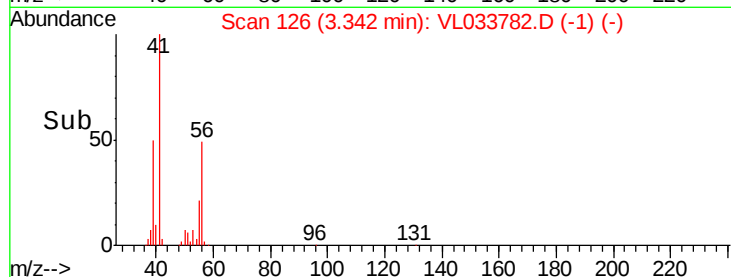
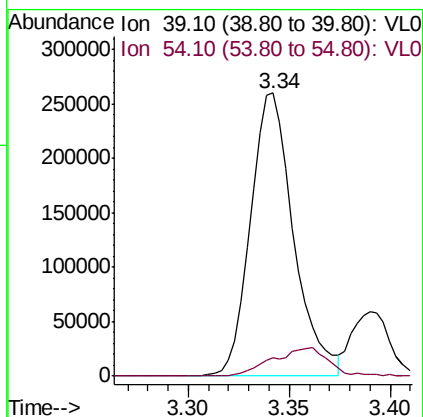
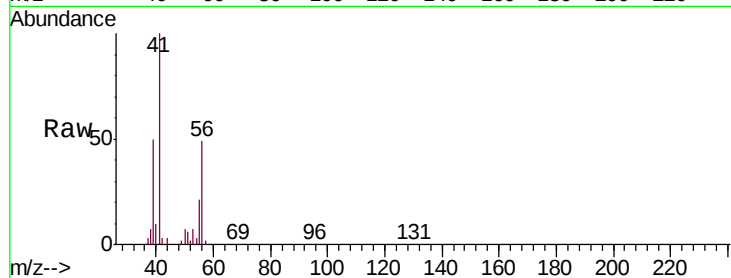




#16
 1,3-Butadiene
 Concen: 7.469 ppbv
 RT: 3.34 min Scan# 126
 Delta R.T. -0.02 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

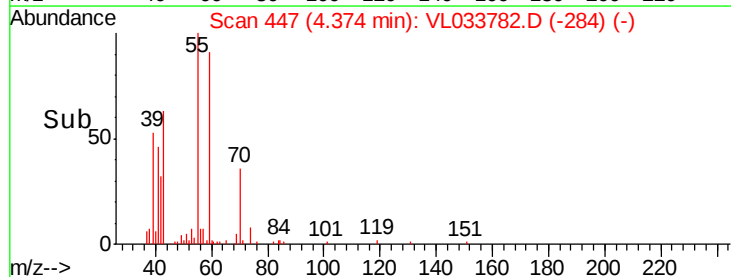
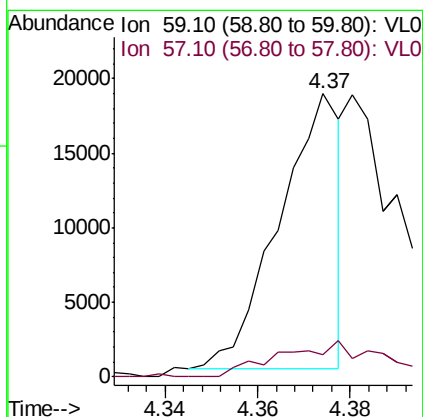
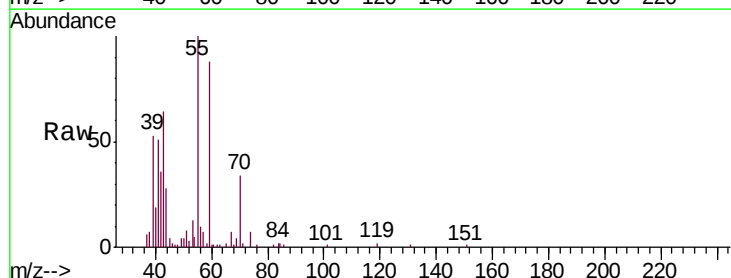
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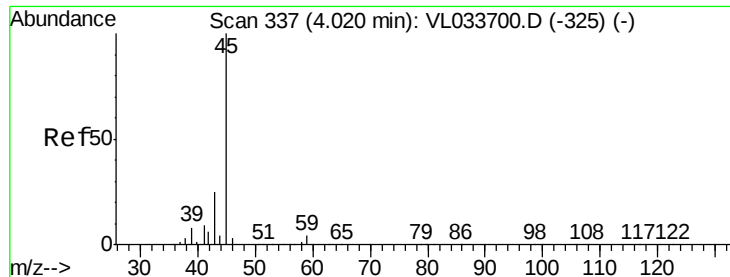
Tgt Ion: 39 Resp: 389619
 Ion Ratio Lower Upper
 39 100
 54 13.1 69.0 103.6#



#17
 tert-Butyl alcohol
 Concen: 0.161 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. 0.02 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

Tgt Ion: 59 Resp: 17045
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#





#19

Isopropyl Alcohol

Concen: 1.767 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

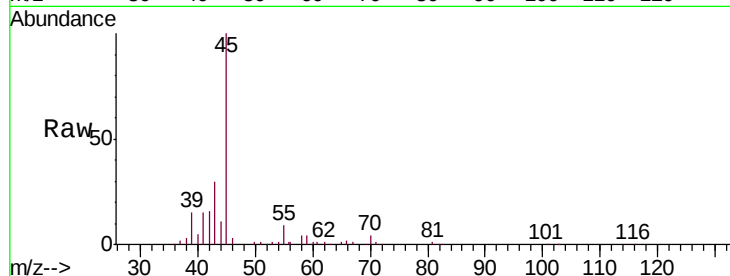
BPS1-SG-3001-25

Tgt Ion: 45 Resp: 149248

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

80000

60000

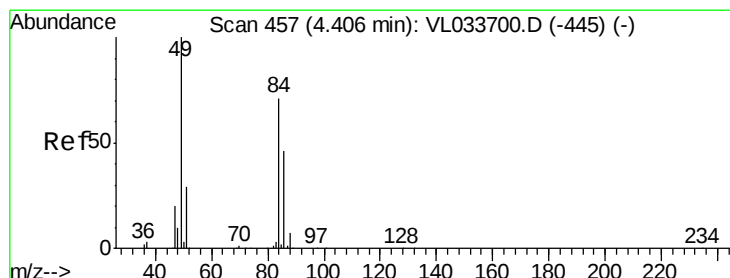
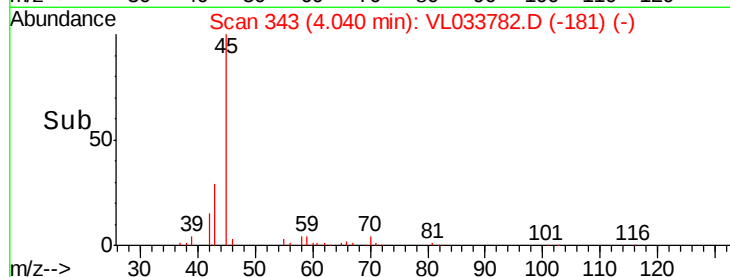
40000

20000

0

Time-->

4.00 4.05 4.10



#20

Methylene Chloride

Concen: 2.320 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Tgt Ion: 84 Resp: 116997

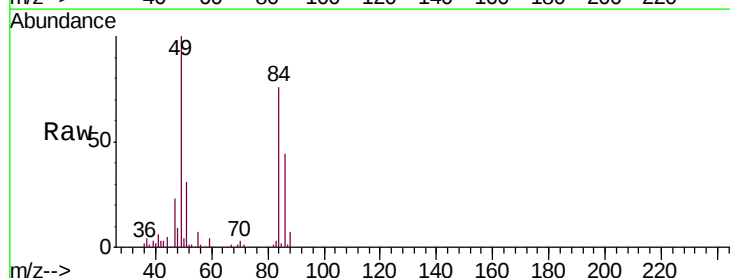
Ion Ratio Lower Upper

84 100

49 131.6 112.8 169.2

51 39.1 33.4 50.0

86 58.3 51.7 77.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

150000

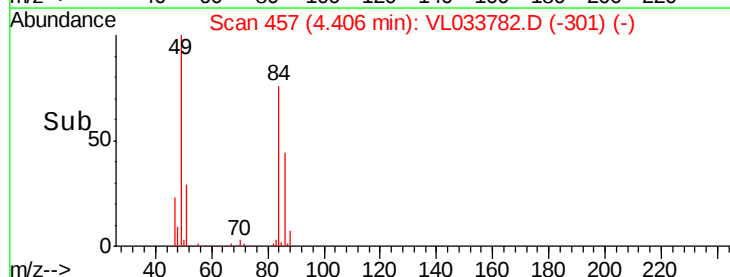
100000

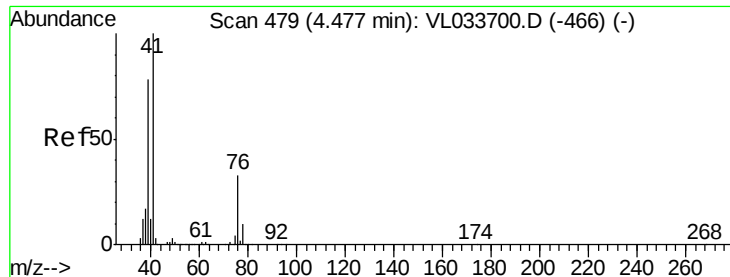
50000

0

Time-->

4.35 4.40 4.45

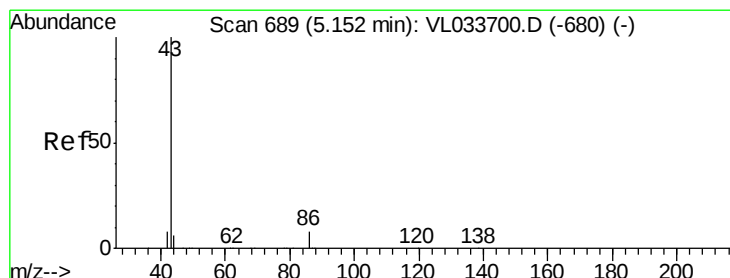
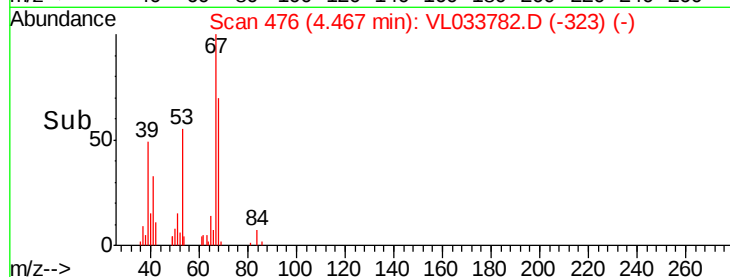
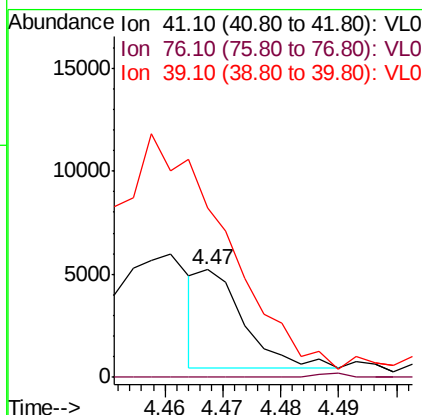
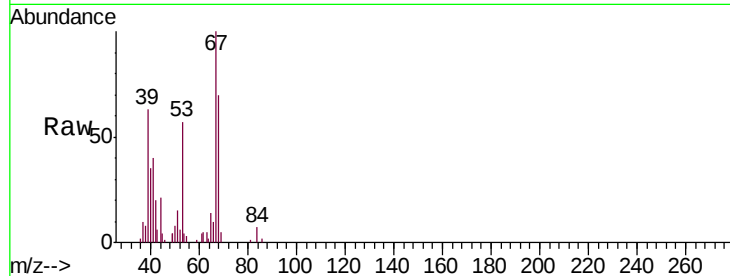




#21
 Allyl Chloride
 Concen: 0.031 ppbv
 RT: 4.47 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

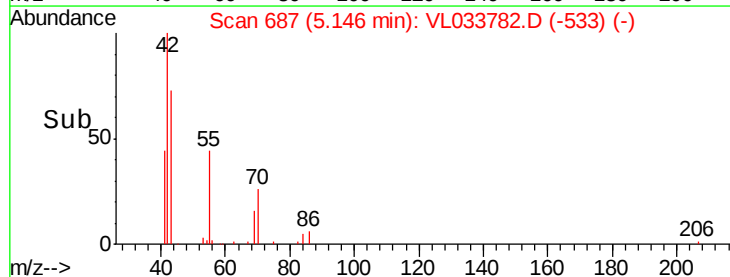
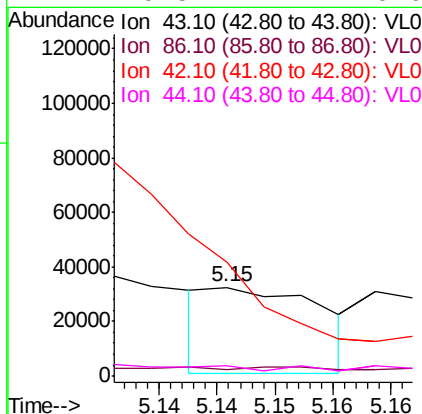
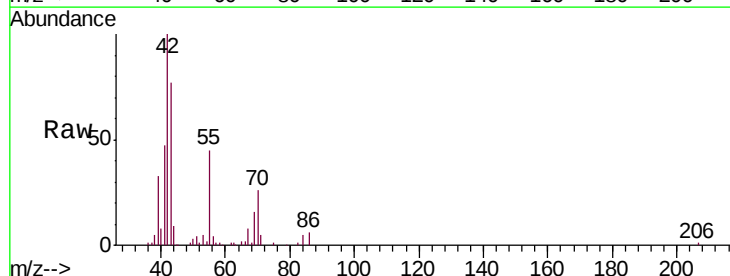
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25

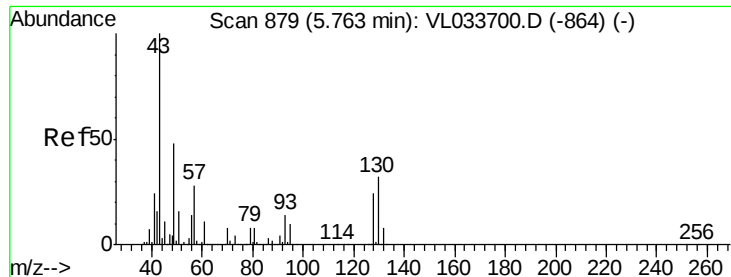
Tgt Ion: 41 Resp: 2501
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 0.0 64.6 97.0#



#23
 Vinyl Acetate
 Concen: 0.123 ppbv
 RT: 5.15 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

Tgt Ion: 43 Resp: 21293
 Ion Ratio Lower Upper
 43 100
 86 1.1 6.0 9.0#
 42 289.5 7.5 11.3#
 44 19.5 4.4 6.6#





#25

Ethyl Acetate

Concen: 5.636 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

Tgt Ion: 43 Resp: 1296987

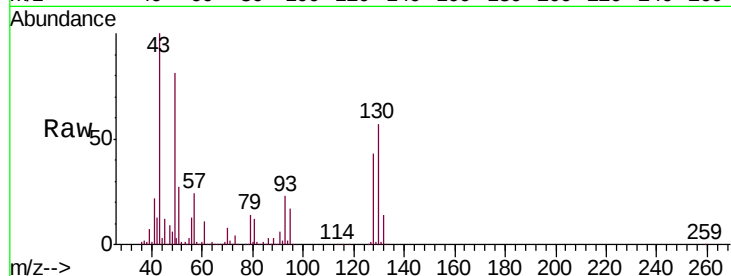
Ion Ratio Lower Upper

43 100

45 10.6 7.9 11.9

61 10.0 7.7 11.5

70 7.9 5.8 8.6



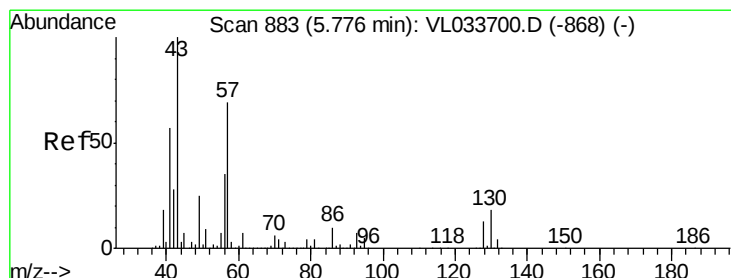
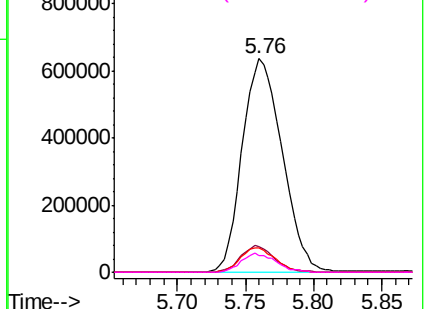
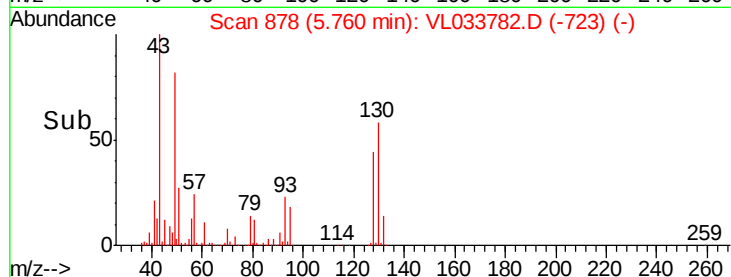
Abundance

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: 4.975 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Tgt Ion: 57 Resp: 492113

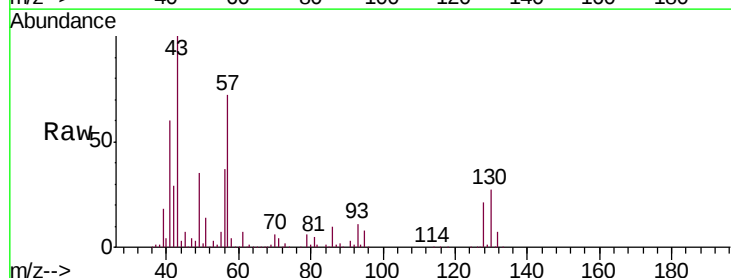
Ion Ratio Lower Upper

57 100

41 90.3 69.8 104.6

43 266.3 181.8 272.6

56 54.3 42.1 63.1



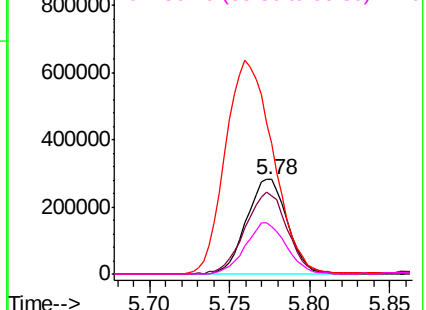
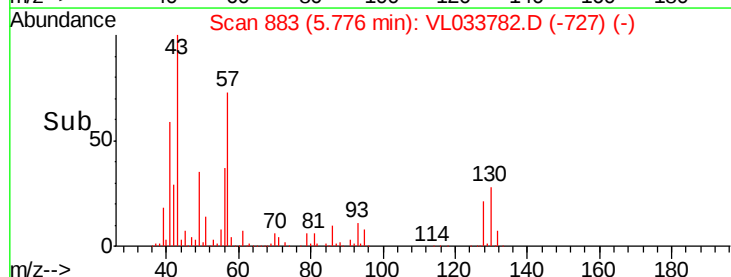
Abundance

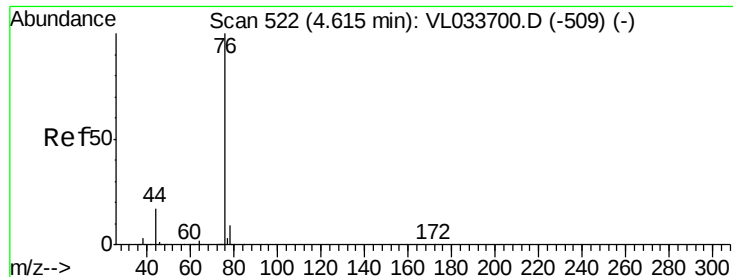
Ion 57.10 (56.80 to 57.80): VL0

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: 1.026 ppbv

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

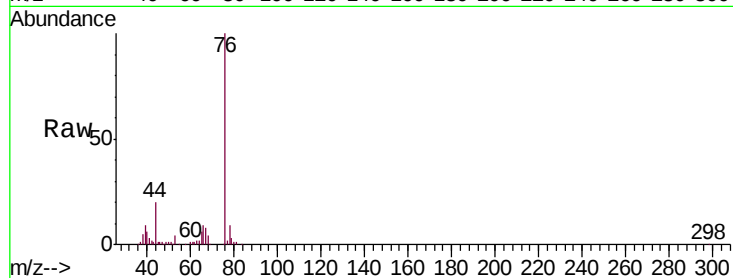
Tgt Ion: 76 Resp: 139294

Ion Ratio Lower Upper

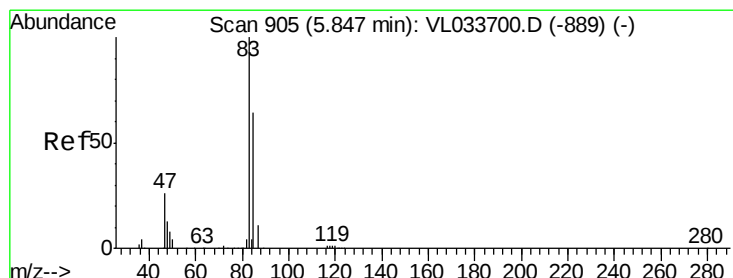
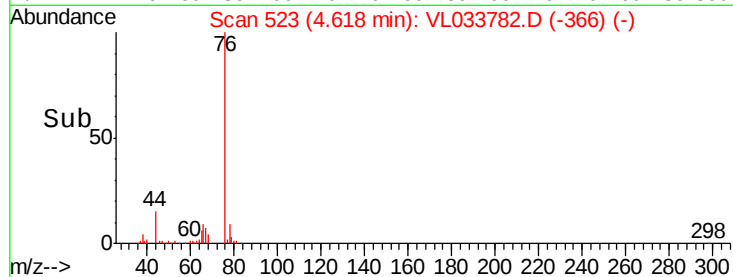
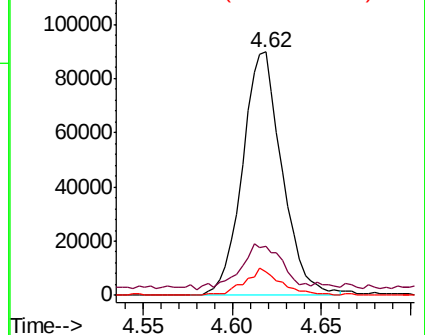
76 100

44 21.7 13.8 20.8#

78 10.3 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



#29

Chloroform

Concen: 0.037 ppbv

RT: 5.84 min Scan# 902

Delta R.T. -0.01 min

Lab File: VL033782.D

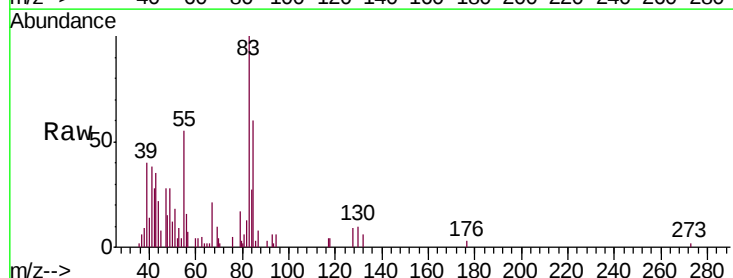
Acq: 23 May 2019 20:46

Tgt Ion: 83 Resp: 6772

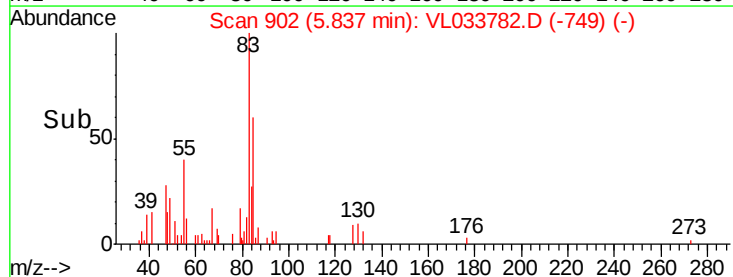
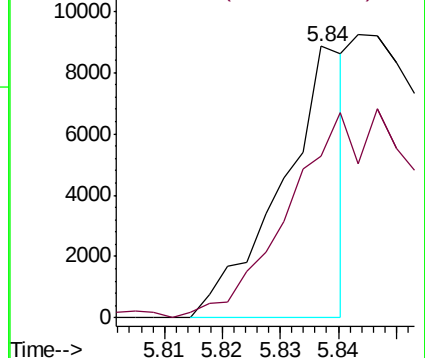
Ion Ratio Lower Upper

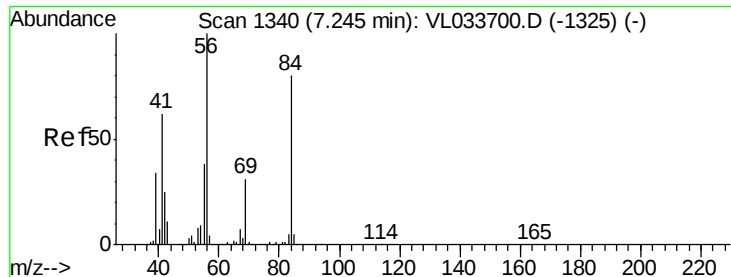
83 100

85 57.7 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

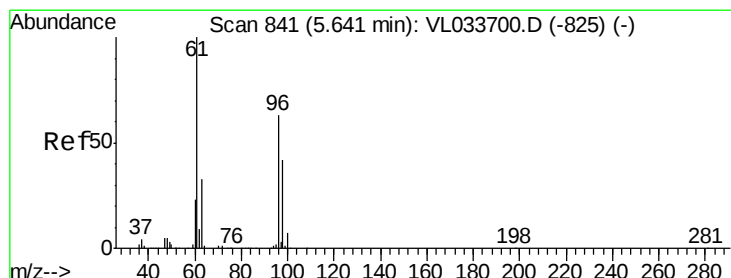
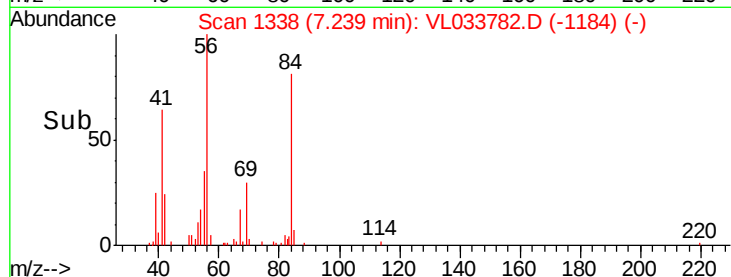
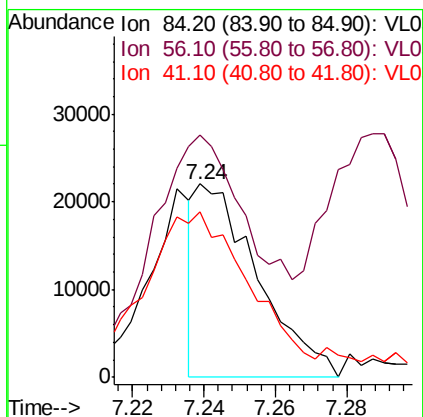
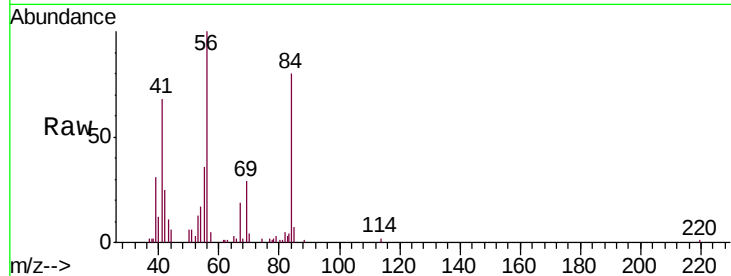




#30
Cyclohexane
Concen: 0.317 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

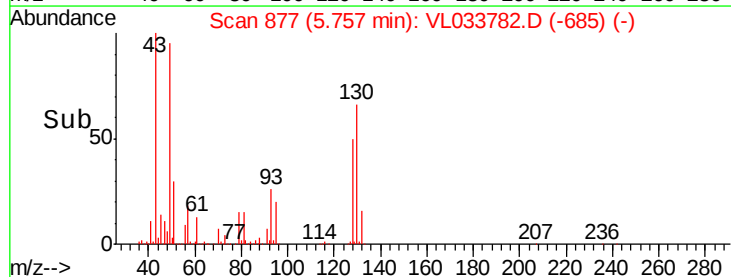
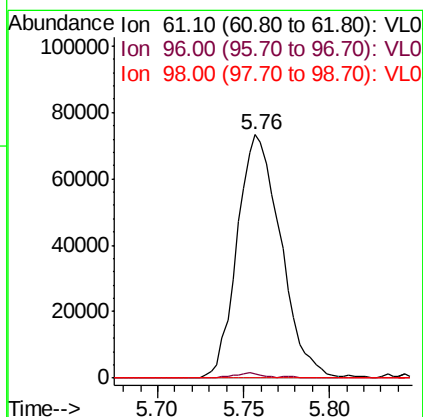
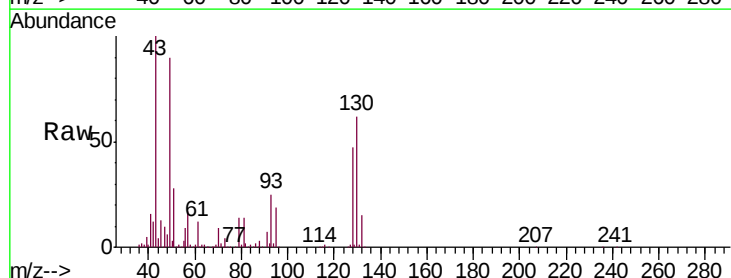
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

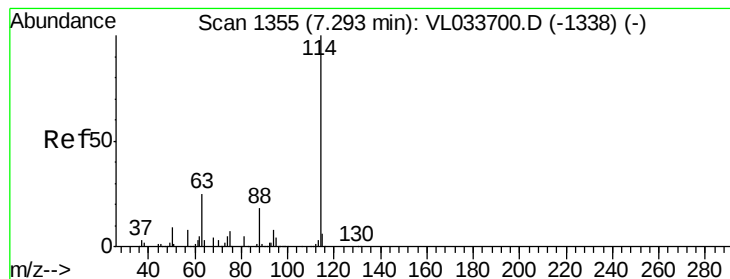
Tgt Ion: 84 Resp: 26337
Ion Ratio Lower Upper
84 100
56 207.2 107.7 161.5#
41 157.8 66.0 99.0#



#31
cis-1,2-Dichloroethene
Concen: 1.315 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.12 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 61 Resp: 128998
Ion Ratio Lower Upper
61 100
96 1.6 50.8 76.2#
98 0.0 33.3 49.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

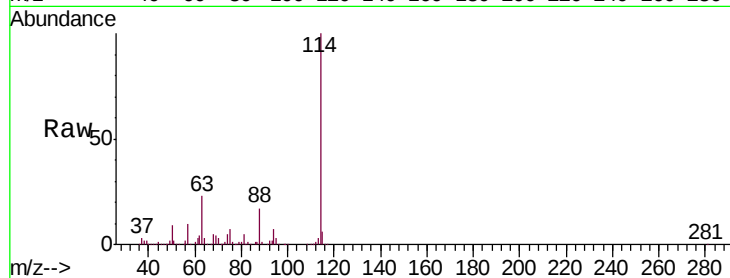
Tgt Ion:114 Resp: 2476651

Ion Ratio Lower Upper

114 100

63 23.7 20.9 31.3

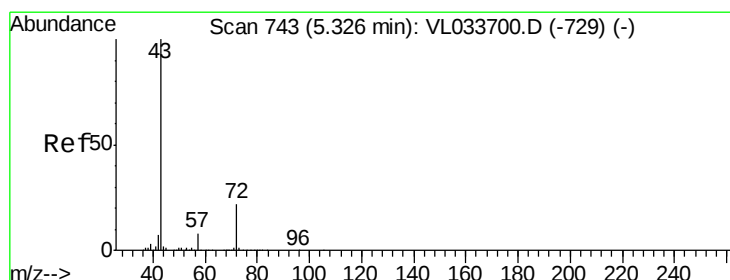
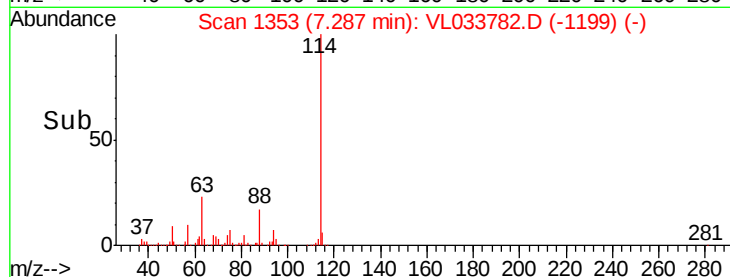
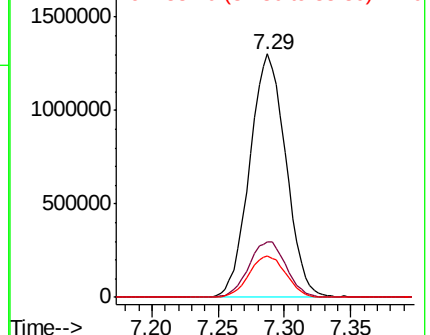
88 17.5 14.3 21.5



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: 2.086 ppbv

RT: 5.33 min Scan# 743

Delta R.T. 0.00 min

Lab File: VL033782.D

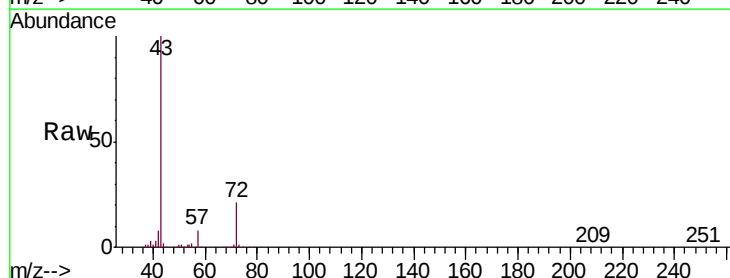
Acq: 23 May 2019 20:46

Tgt Ion: 43 Resp: 320168

Ion Ratio Lower Upper

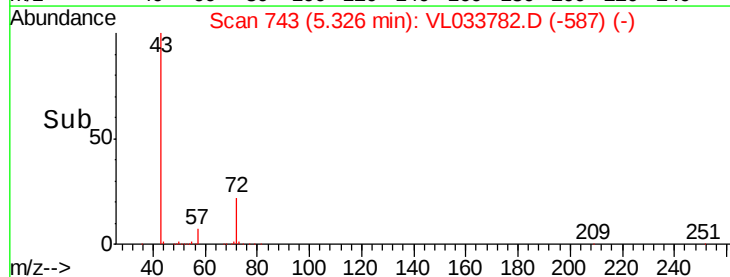
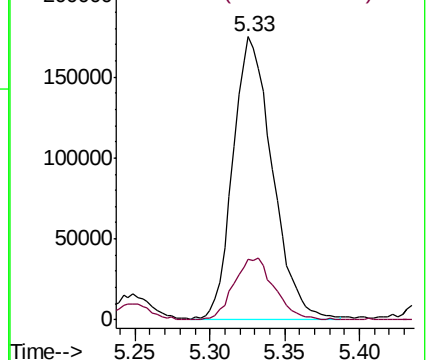
43 100

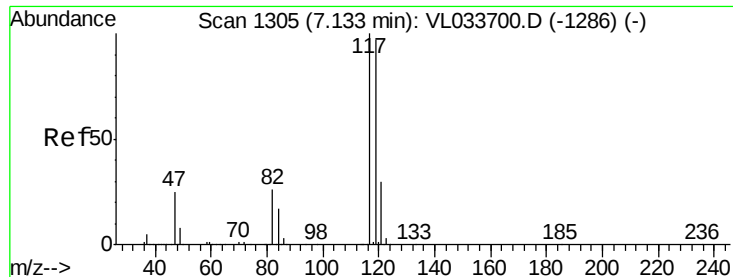
72 22.6 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

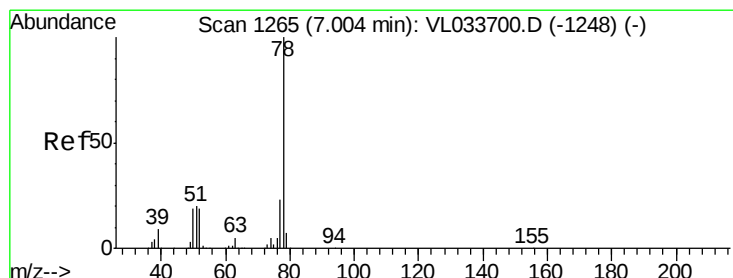
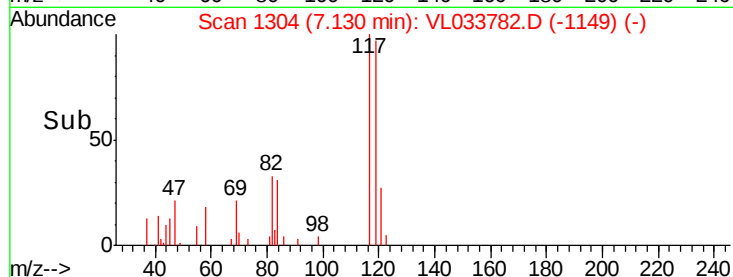
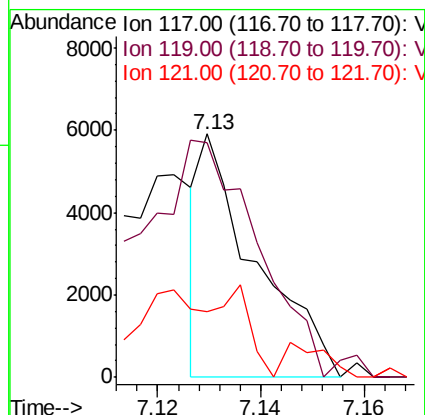
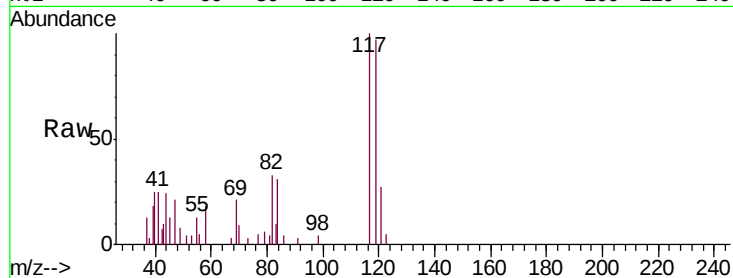




#35
Carbon Tetrachloride
Concen: 0.022 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

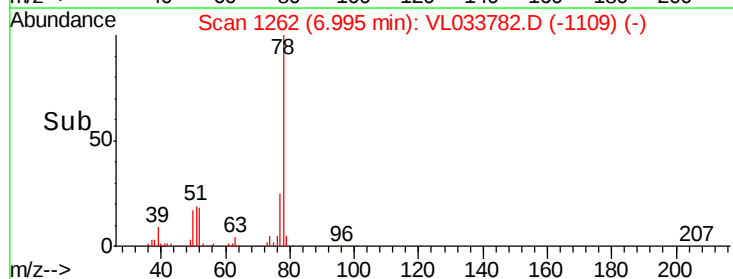
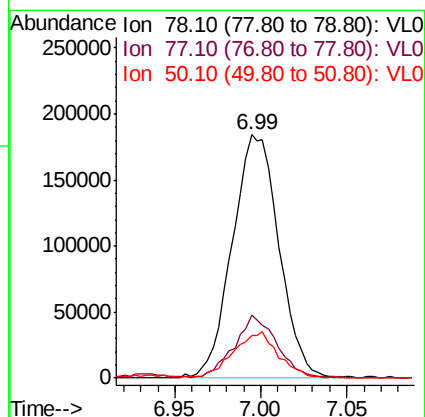
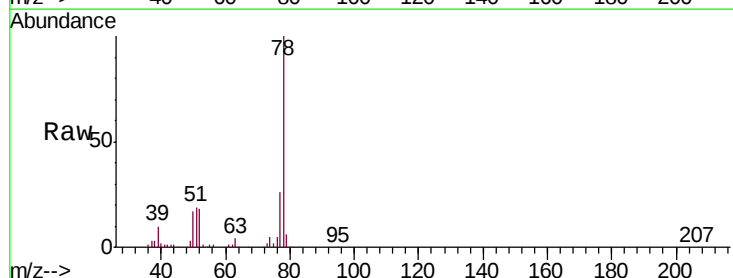
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

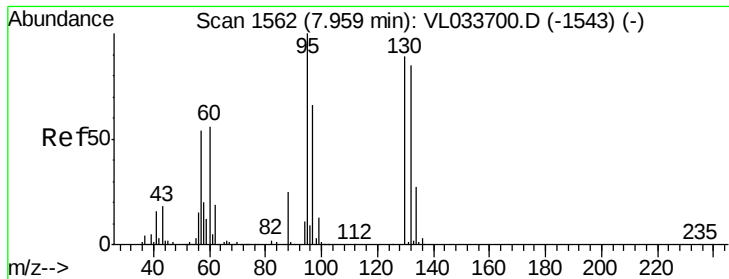
Tgt Ion: 117 Resp: 4394
Ion Ratio Lower Upper
117 100
119 89.7 77.2 115.8
121 22.6 24.1 36.1#



#36
Benzene
Concen: 1.524 ppbv
RT: 6.99 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 78 Resp: 343429
Ion Ratio Lower Upper
78 100
77 25.5 18.4 27.6
50 17.0 15.5 23.3





#38

Trichloroethene

Concen: 0.012 ppbv

RT: 7.95 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

Tgt Ion:130 Resp: 1007

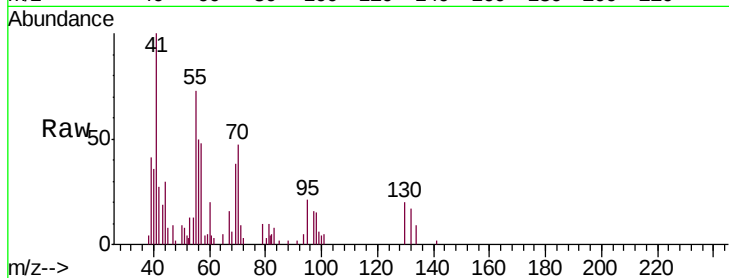
Ion Ratio Lower Upper

130 100

95 97.6 90.2 135.4

132 85.1 76.4 114.6

97 68.4 59.8 89.6

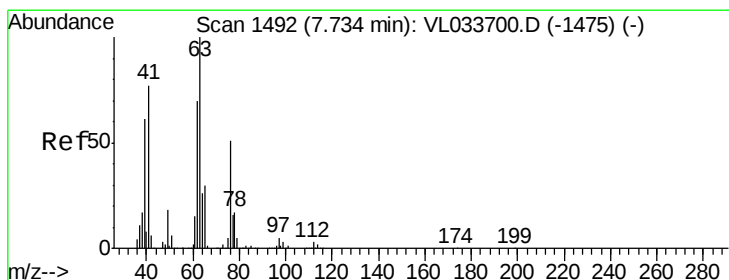
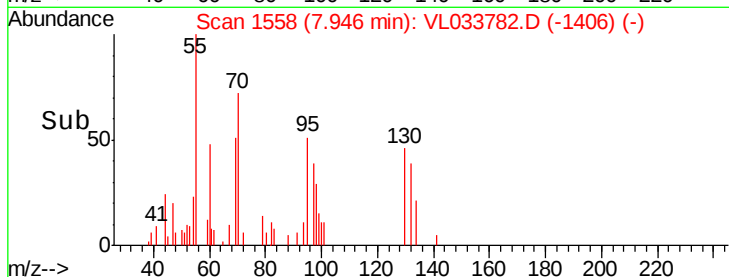
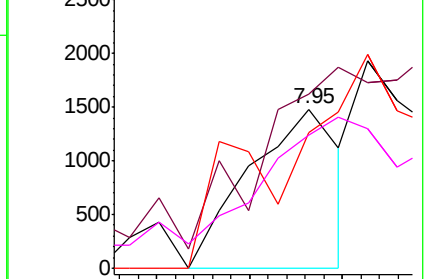


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.952 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.45 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

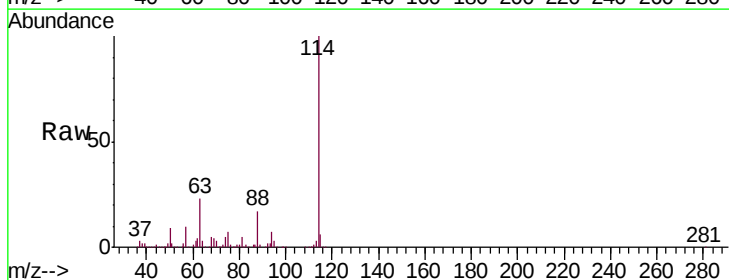
Tgt Ion: 63 Resp: 583928

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

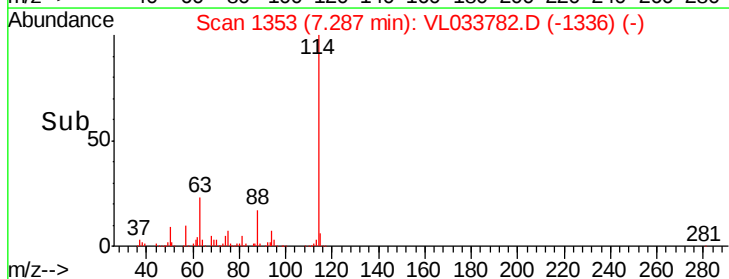
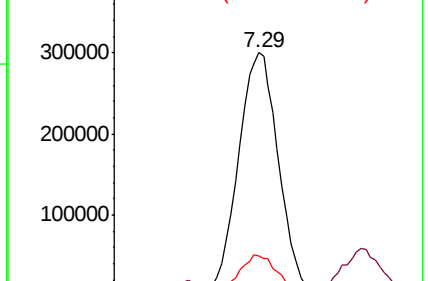
62 16.6 56.2 84.4#

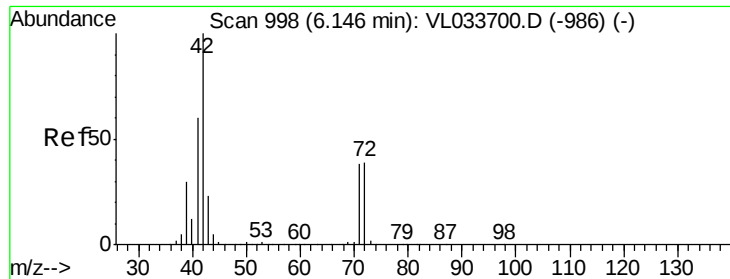


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

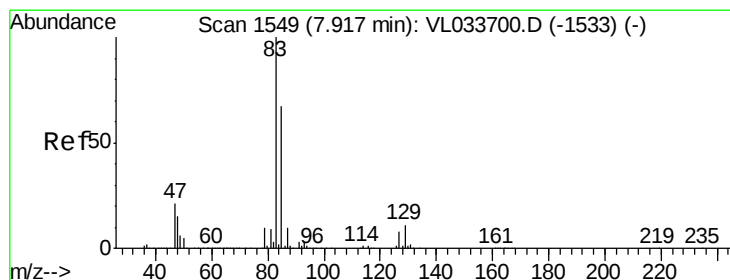
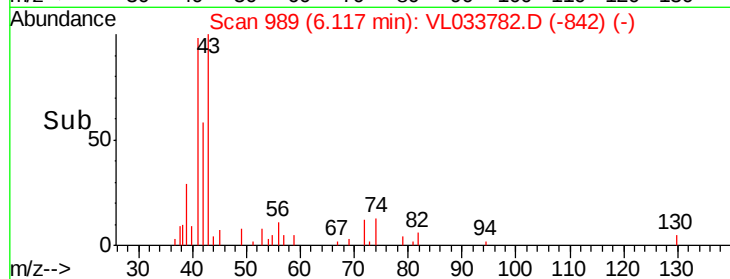
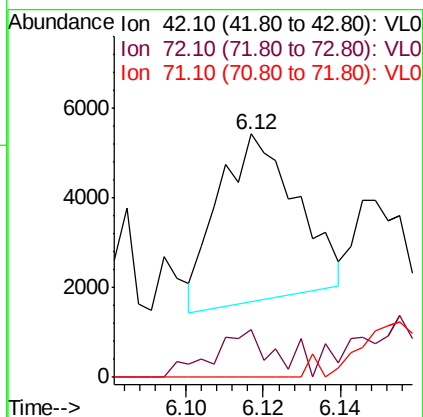
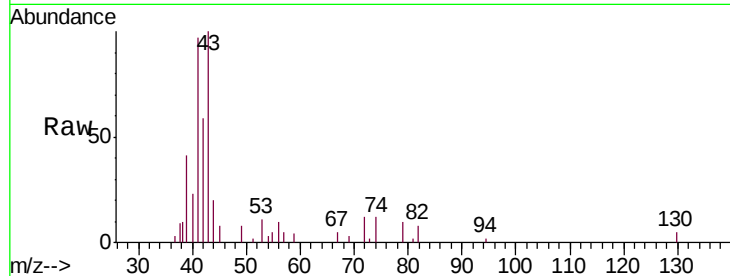




#41
Tetrahydrofuran
Concen: 0.061 ppbv
RT: 6.12 min Scan# 989
Delta R.T. -0.03 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

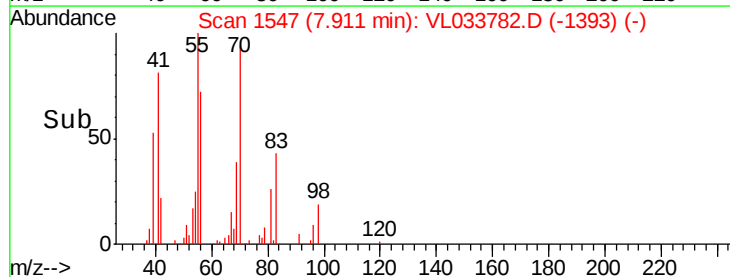
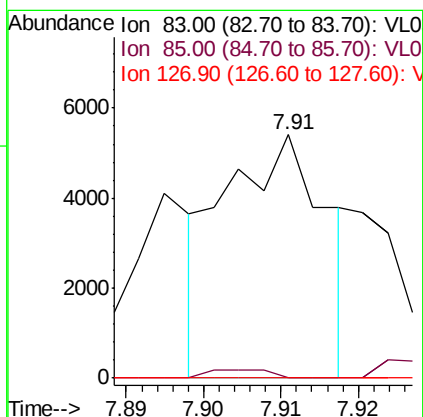
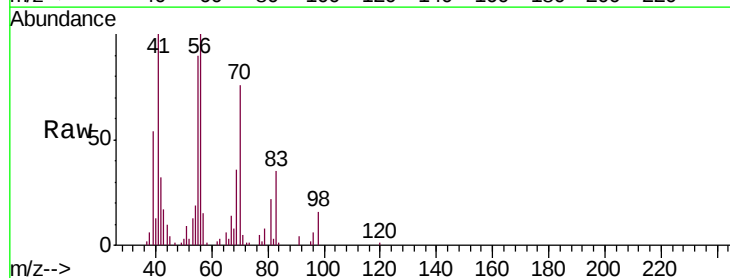
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

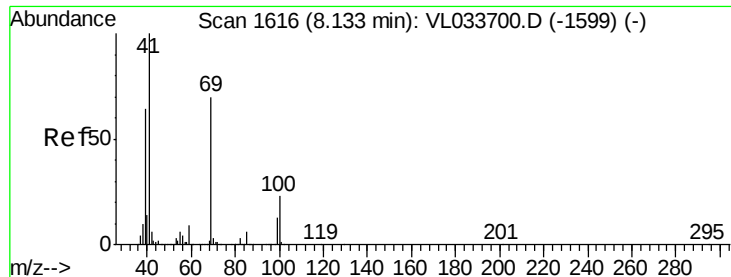
Tgt Ion: 42 Resp: 5272
Ion Ratio Lower Upper
42 100
72 22.9 32.0 48.0#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.025 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 83 Resp: 4944
Ion Ratio Lower Upper
83 100
85 0.0 53.3 79.9#
127 0.0 6.5 9.7#

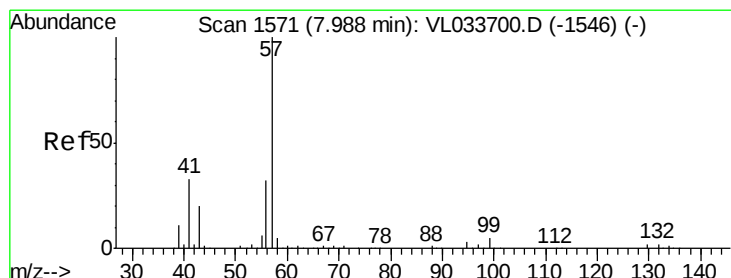
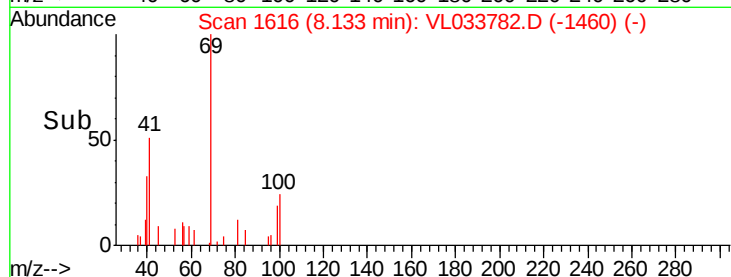
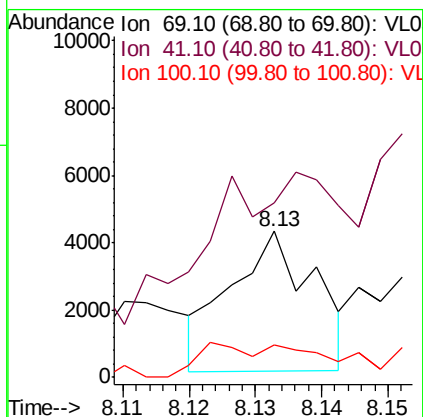
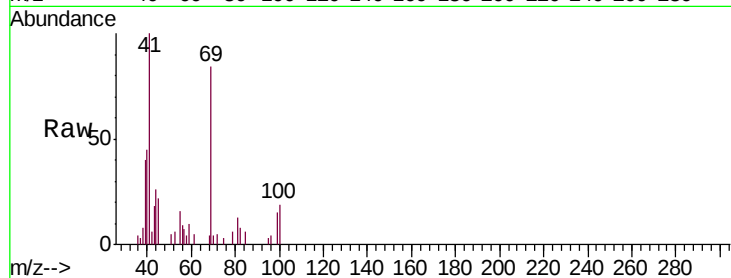




#43
Methyl Methacrylate
Concen: 0.044 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

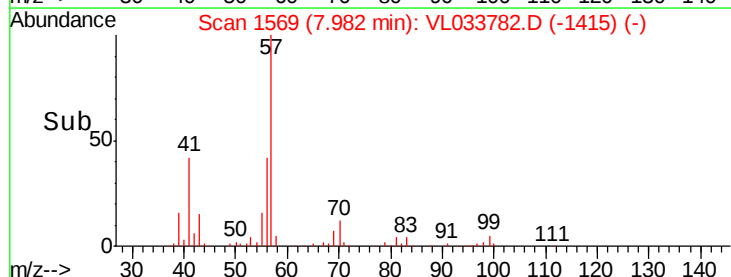
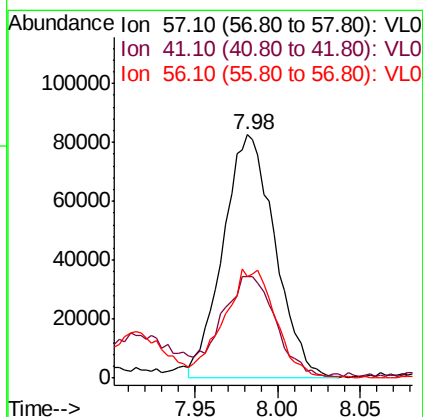
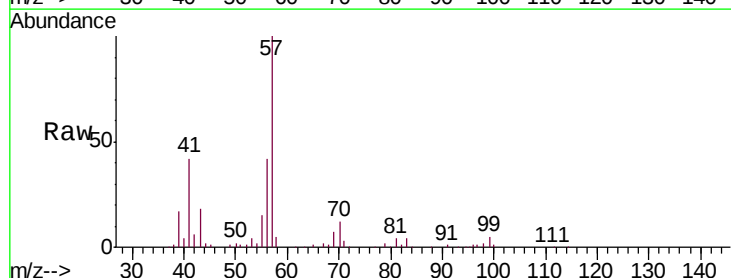
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

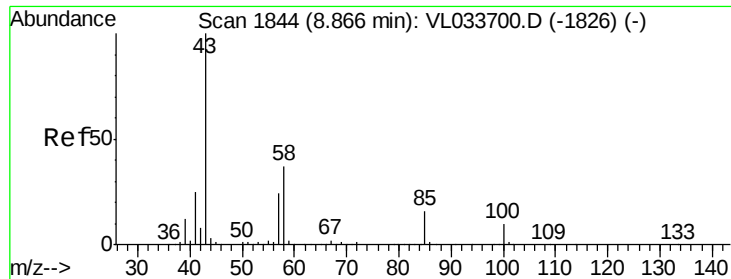
Tgt Ion: 69 Resp: 3653
Ion Ratio Lower Upper
69 100
41 0.0 116.3 174.5#
100 46.4 25.3 37.9#



#44
2,2,4-Trimethylpentane
Concen: 0.470 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 57 Resp: 178842
Ion Ratio Lower Upper
57 100
41 45.3 25.4 38.0#
56 45.8 24.7 37.1#

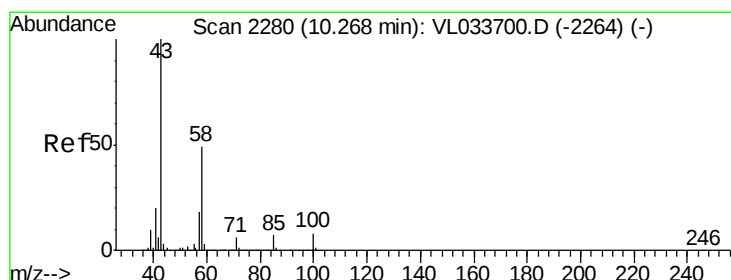
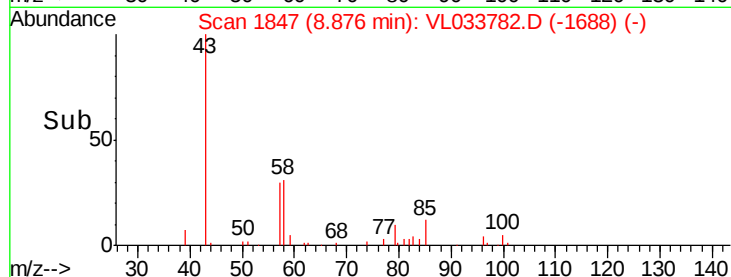
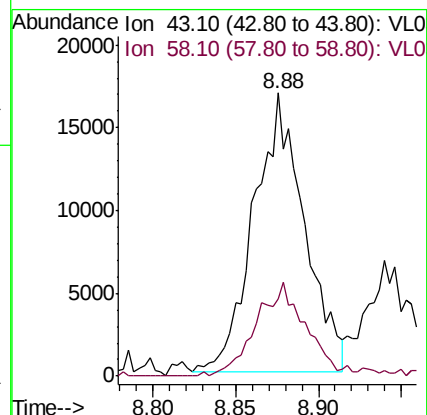
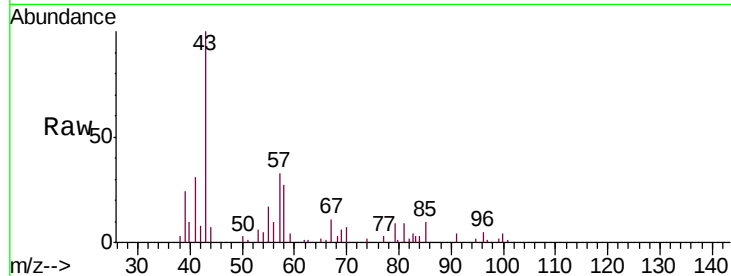




#50
 4-Methyl-2-Pentanone
 Concen: 0.151 ppbv
 RT: 8.88 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

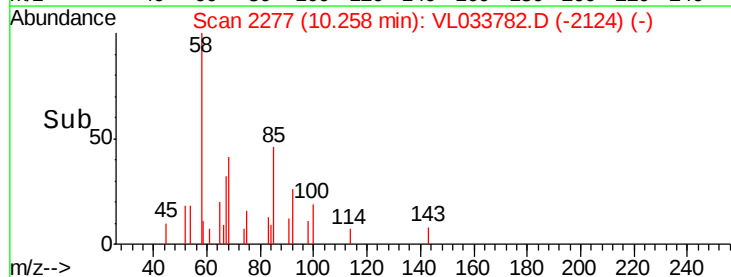
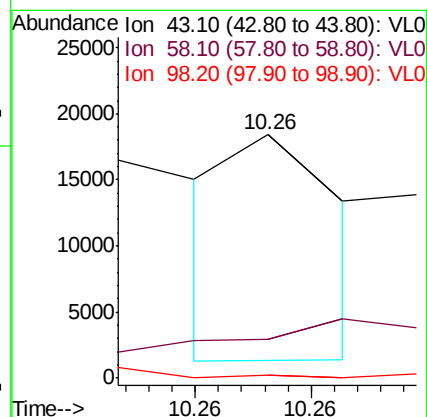
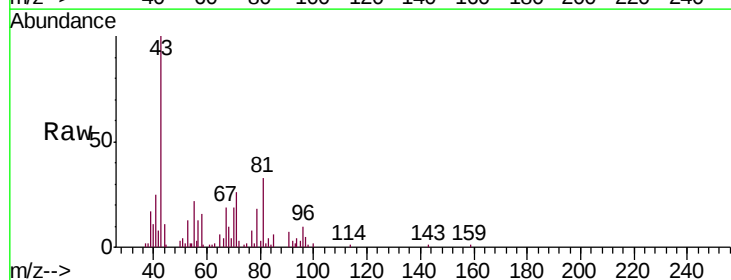
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25

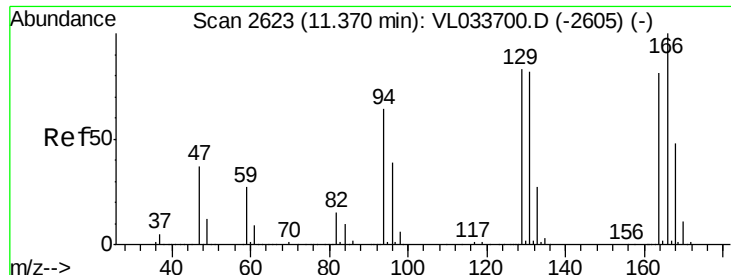
Tgt Ion: 43 Resp: 35721
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.6 43.0



#51
 2-Hexanone
 Concen: 0.031 ppbv
 RT: 10.26 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

Tgt Ion: 43 Resp: 5630
 Ion Ratio Lower Upper
 43 100
 58 0.0 38.7 58.1#
 98 0.0 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.113 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

Tgt Ion:164 Resp: 8938

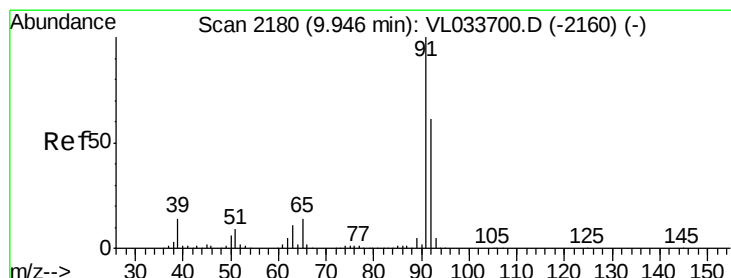
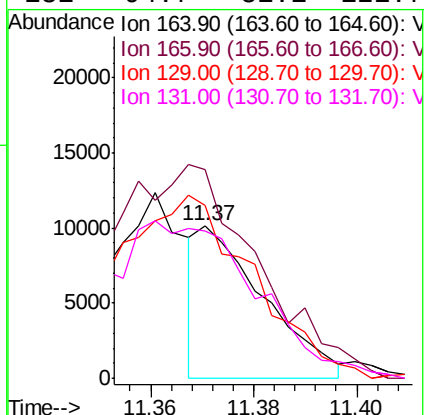
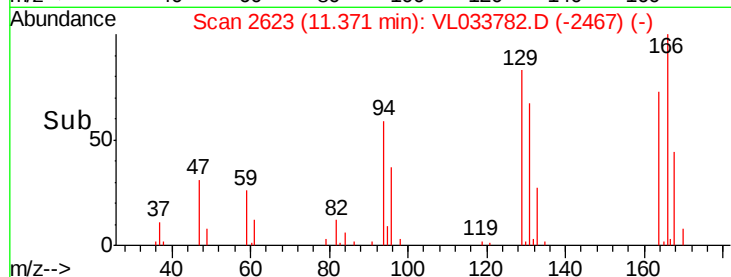
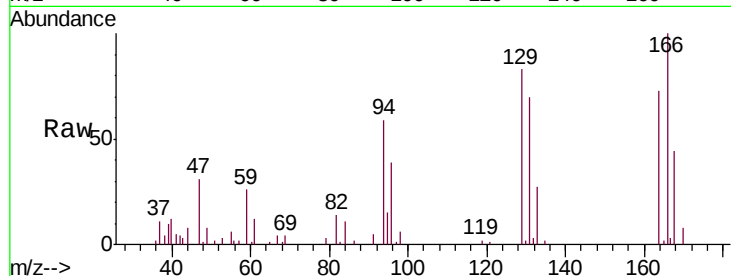
Ion Ratio Lower Upper

164 100

166 129.0 98.9 148.3

129 115.3 81.8 122.6

131 94.7 81.1 121.7



#53

Toluene

Concen: 22.592 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033782.D

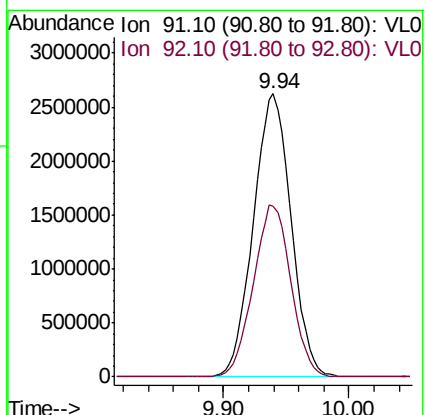
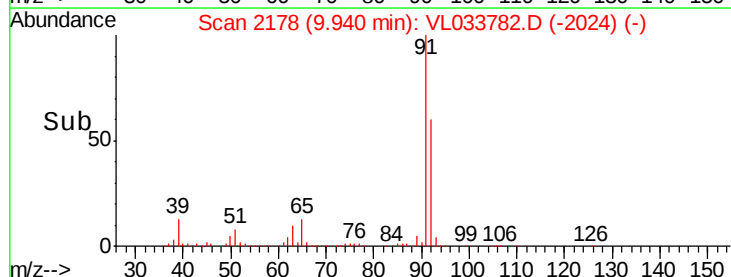
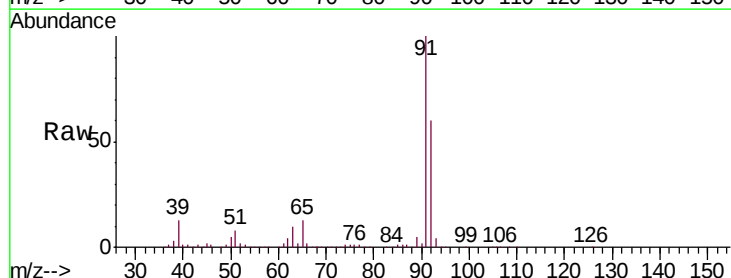
Acq: 23 May 2019 20:46

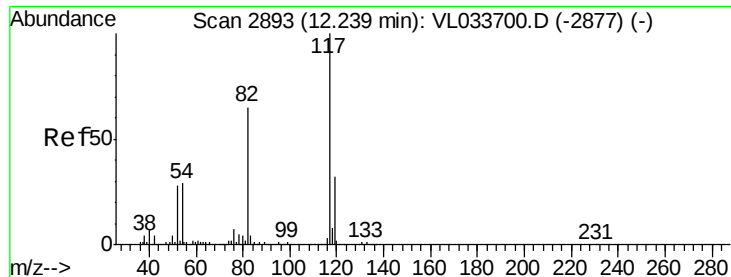
Tgt Ion: 91 Resp: 5489751

Ion Ratio Lower Upper

91 100

92 60.8 47.6 71.4

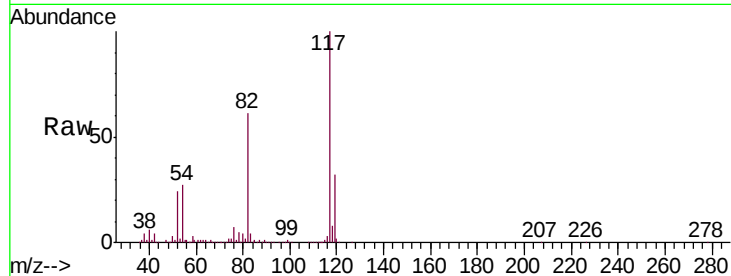




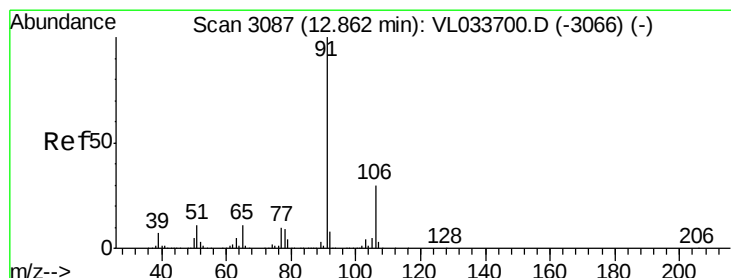
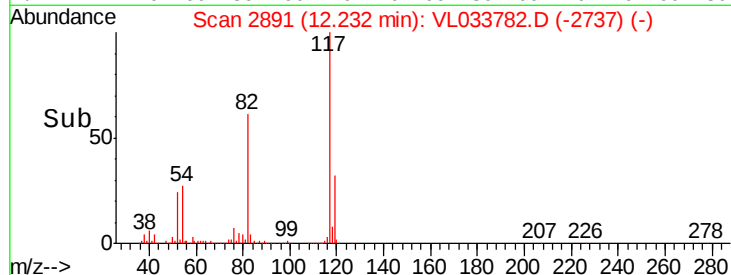
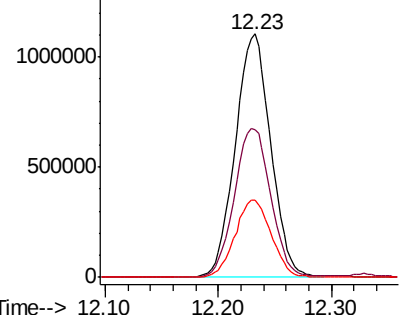
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

Tgt Ion:117 Resp: 2408635
Ion Ratio Lower Upper
117 100
82 62.7 49.4 74.0
119 32.3 24.9 37.3

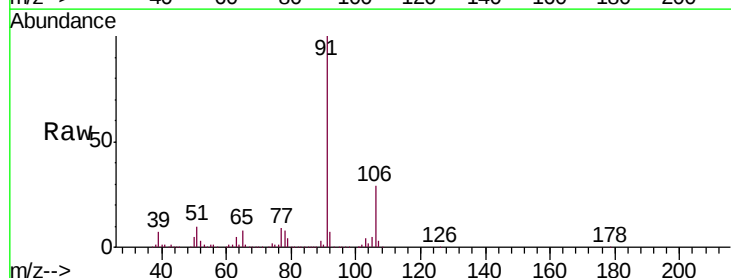


Abundance Ion 117.10 (116.80 to 117.80): V
1500000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

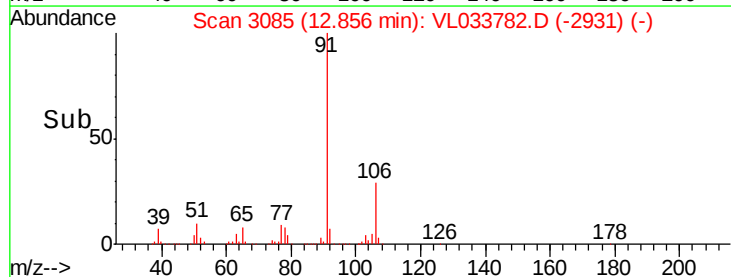
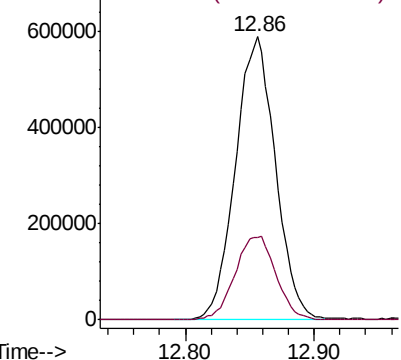


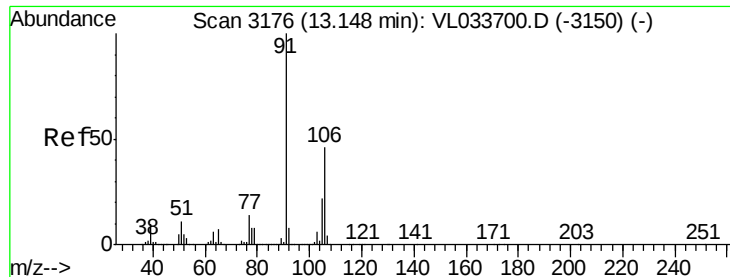
#58
Ethyl Benzene
Concen: 3.982 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 91 Resp: 1269956
Ion Ratio Lower Upper
91 100
106 29.1 23.9 35.9



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

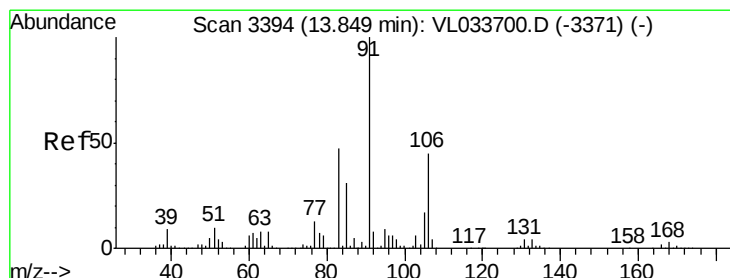
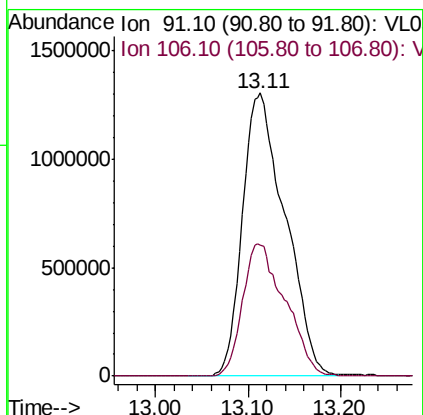
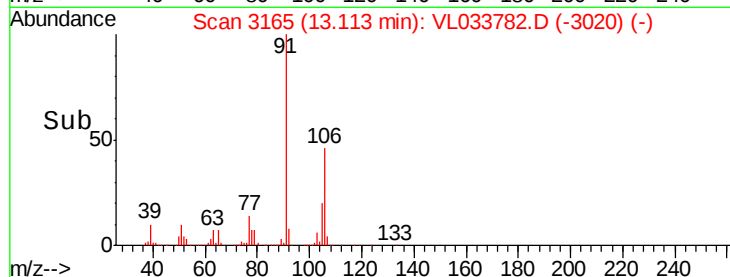
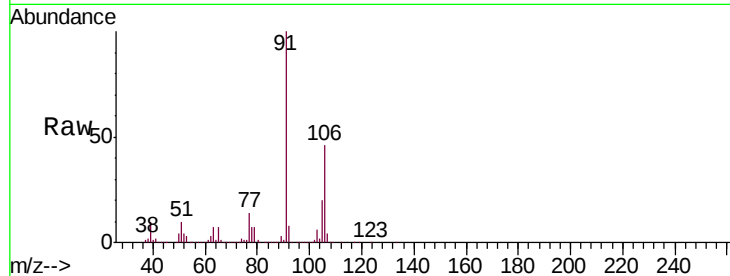




#59
m/p-Xylene
Concen: 14.939 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

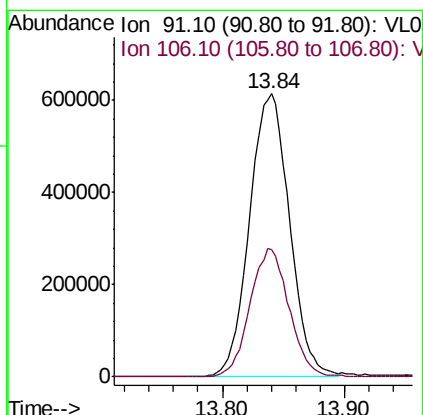
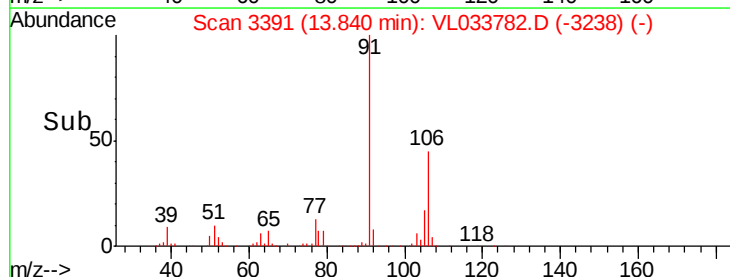
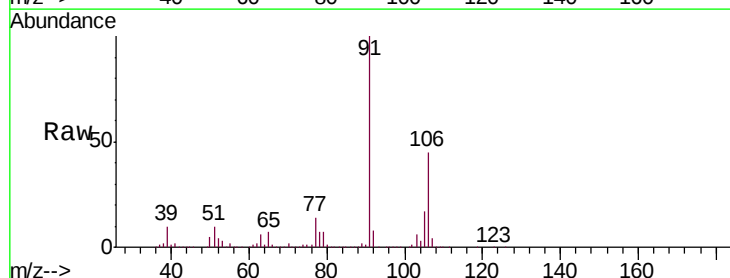
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

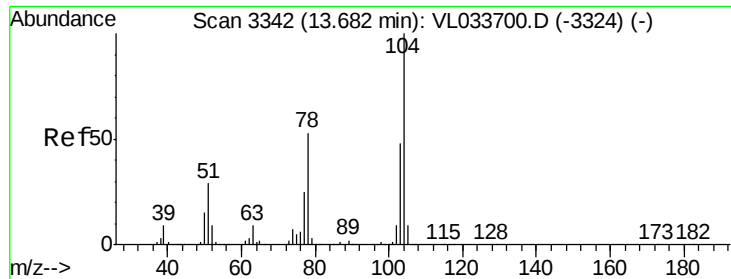
Tgt Ion: 91 Resp: 4165232
Ion Ratio Lower Upper
91 100
106 46.9 35.8 53.6



#60
o-Xylene
Concen: 4.940 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion: 91 Resp: 1388523
Ion Ratio Lower Upper
91 100
106 44.8 21.6 64.8

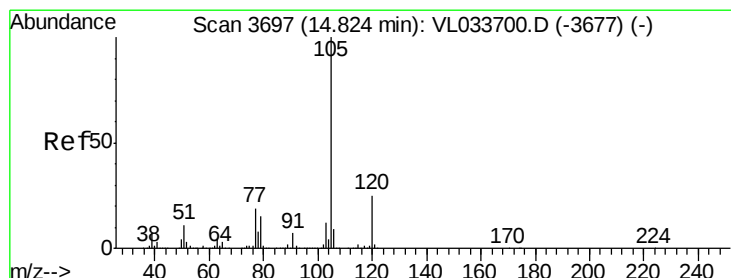
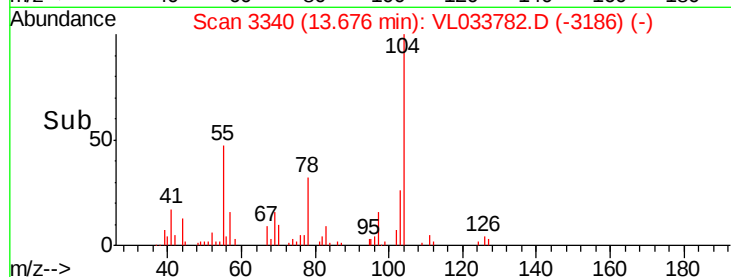
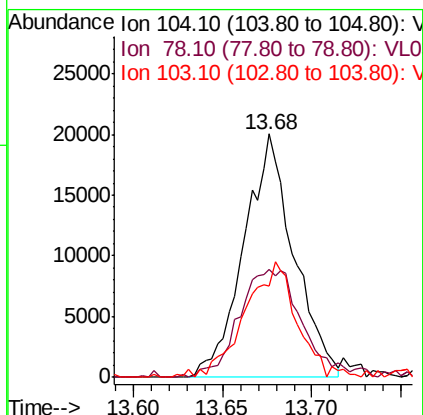
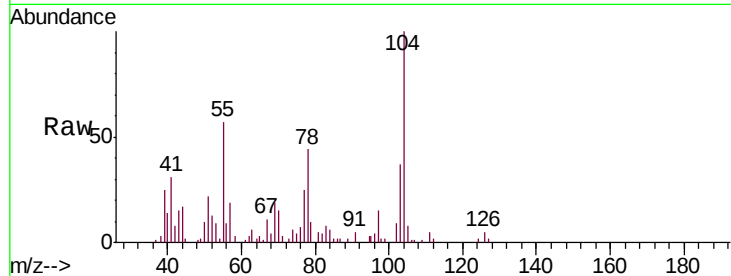




#61
Styrene
Concen: 0.207 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

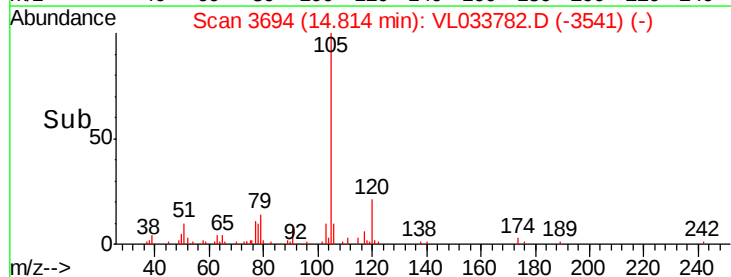
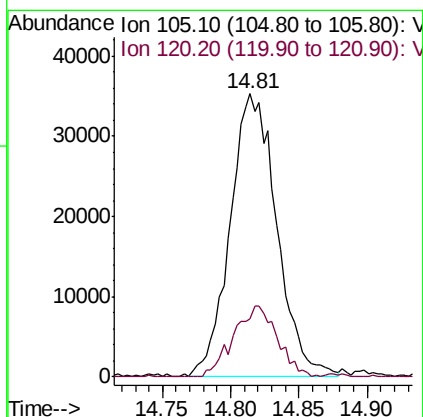
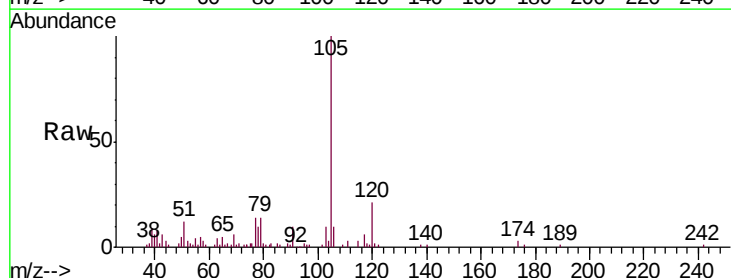
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

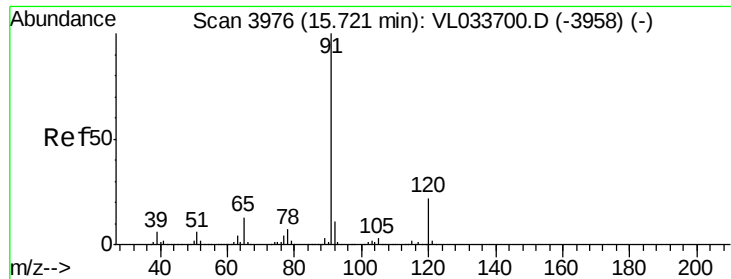
Tgt Ion:104 Resp: 39222
Ion Ratio Lower Upper
104 100
78 56.5 42.6 64.0
103 50.0 37.8 56.6



#62
Isopropylbenzene
Concen: 0.222 ppbv
RT: 14.81 min Scan# 3694
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion:105 Resp: 83907
Ion Ratio Lower Upper
105 100
120 23.5 20.1 30.1

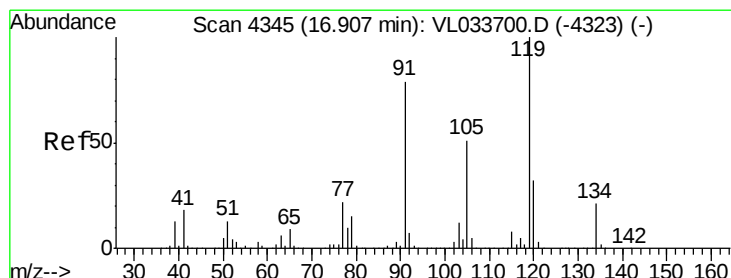
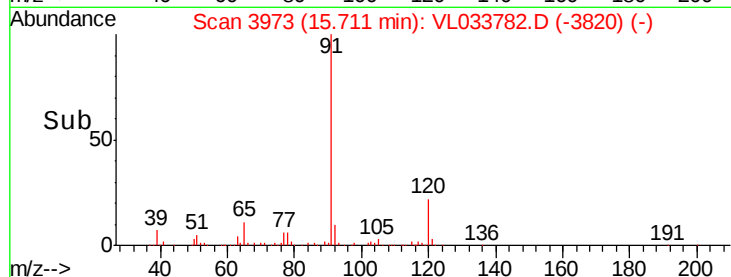
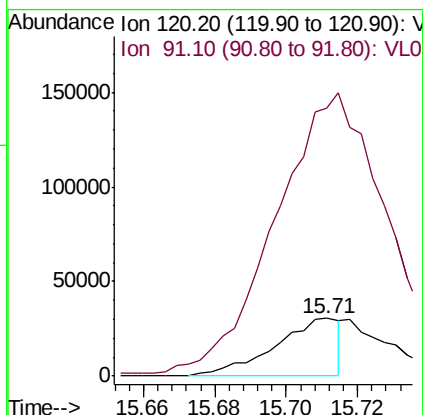
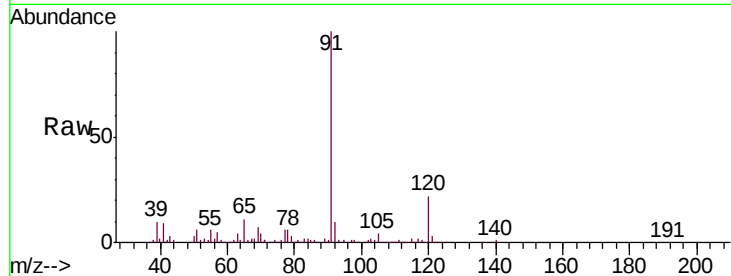




#64
n-propylbenzene
Concen: 0.397 ppbv
RT: 15.71 min Scan# 3973
Delta R.T. -0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

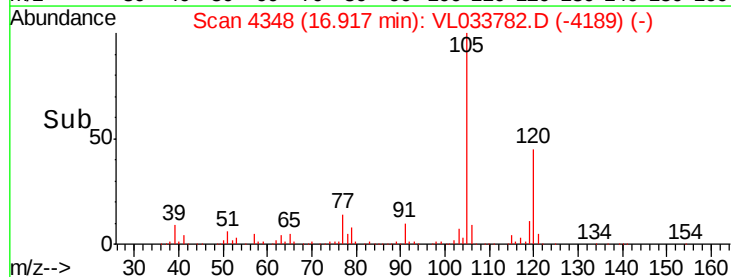
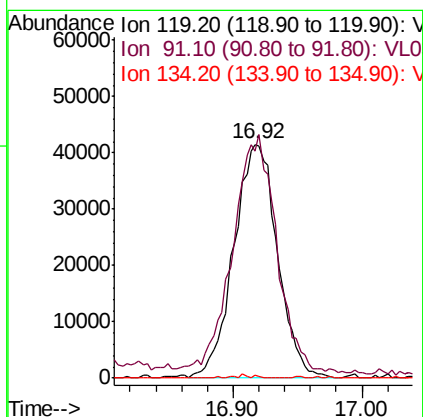
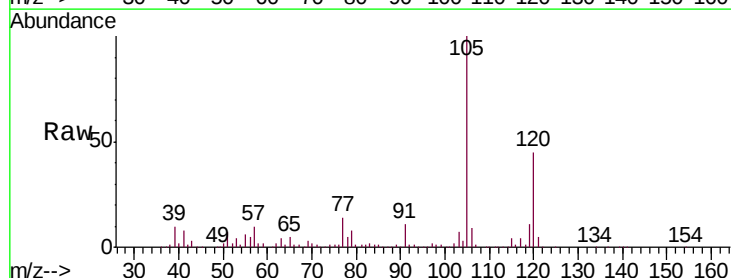
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3001-25

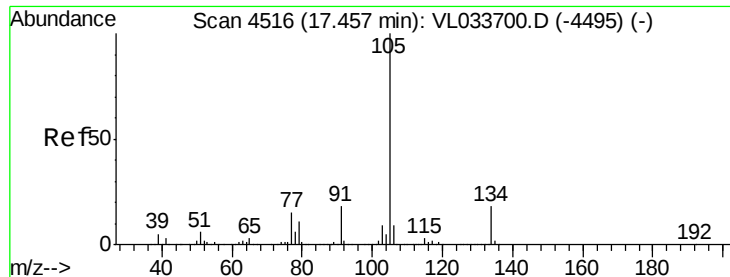
Tgt Ion:120 Resp: 38874
Ion Ratio Lower Upper
120 100
91 856.4 379.1 568.7#



#65
tert-Butylbenzene
Concen: 0.283 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL033782.D
Acq: 23 May 2019 20:46

Tgt Ion:119 Resp: 97811
Ion Ratio Lower Upper
119 100
91 104.9 65.3 97.9#
134 0.5 15.7 23.5#

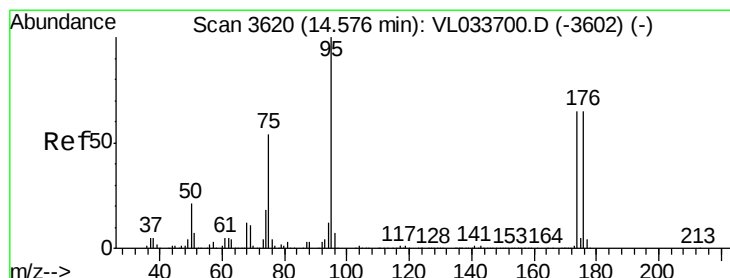
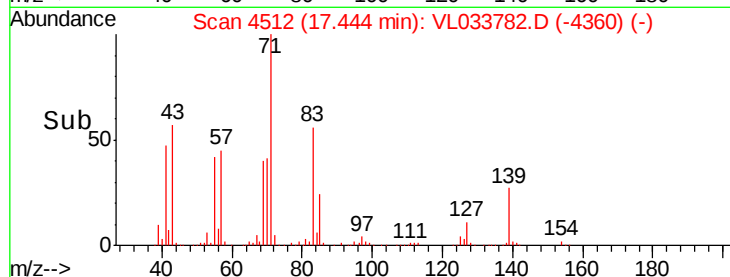
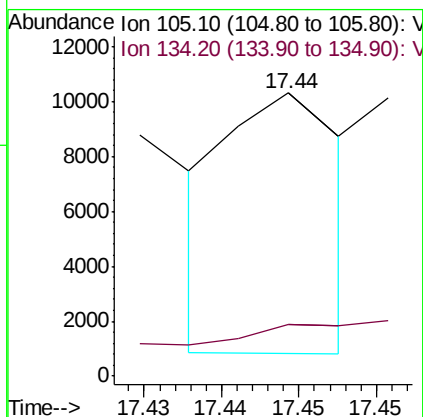
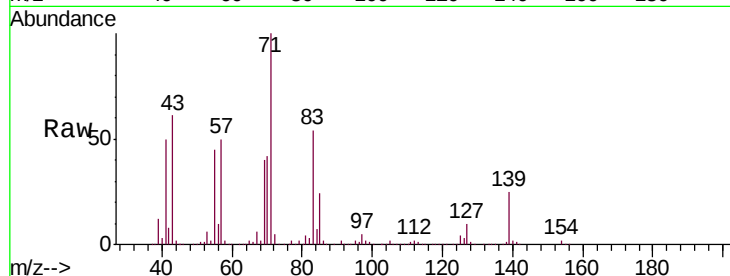




#67
 sec-Butylbenzene
 Concen: 0.010 ppbv
 RT: 17.44 min Scan# 4512
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

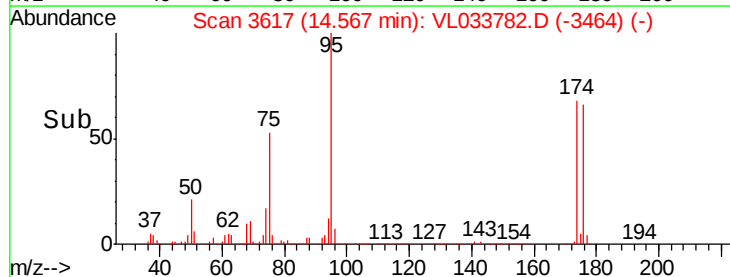
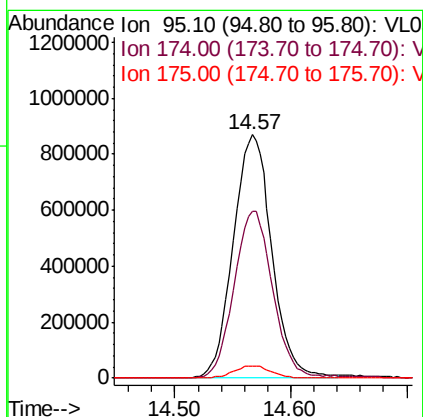
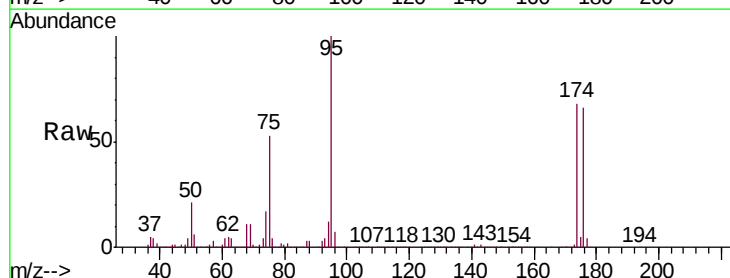
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25

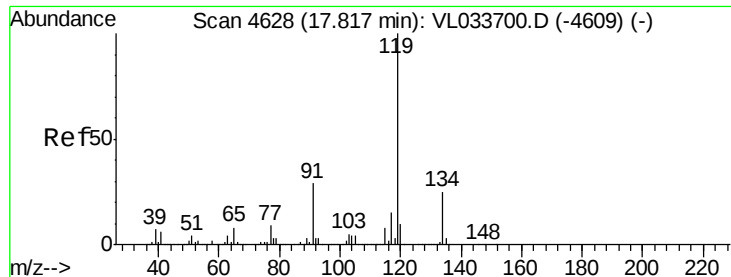
Tgt Ion: 105 Resp: 4937
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.6 22.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.241 ppbv
 RT: 14.57 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

Tgt Ion: 95 Resp: 1999740
 Ion Ratio Lower Upper
 95 100
 174 69.7 53.9 80.9
 175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.067 ppbv

RT: 17.70 min Scan# 4591

Delta R.T. -0.12 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

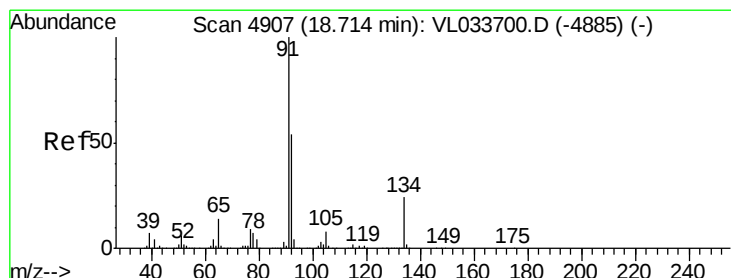
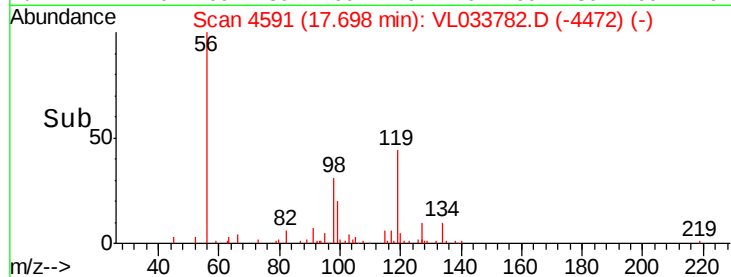
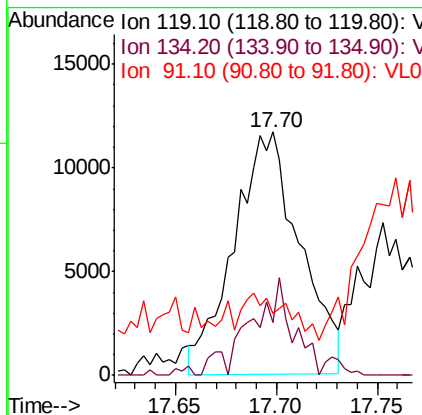
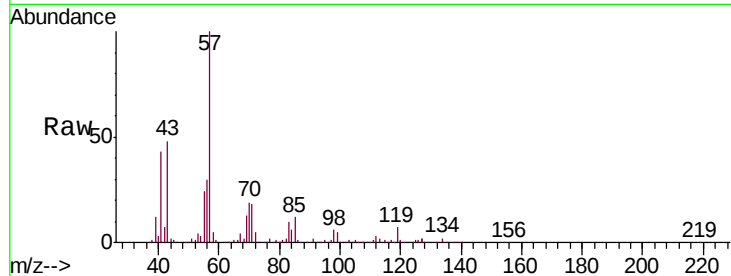
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

Tgt Ion:	119	Resp:	26627
Ion	Ratio	Lower	Upper
119	100		
134	28.4	20.3	30.5
91	23.6	23.1	34.7



#70

n-Butylbenzene

Concen: 0.015 ppbv

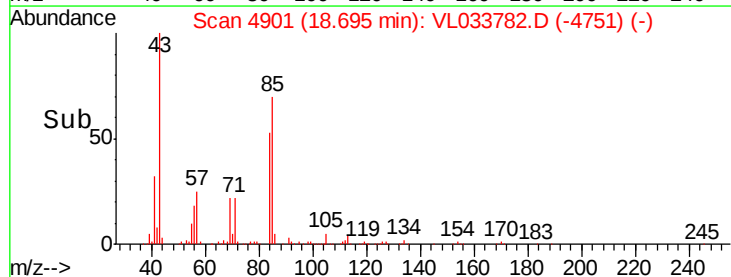
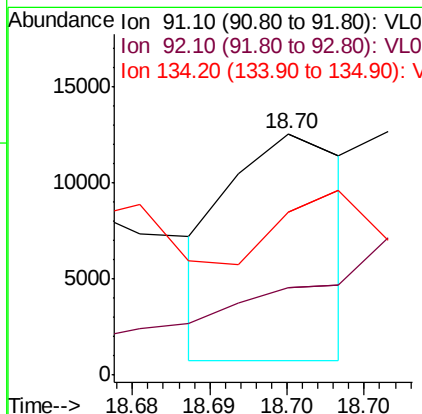
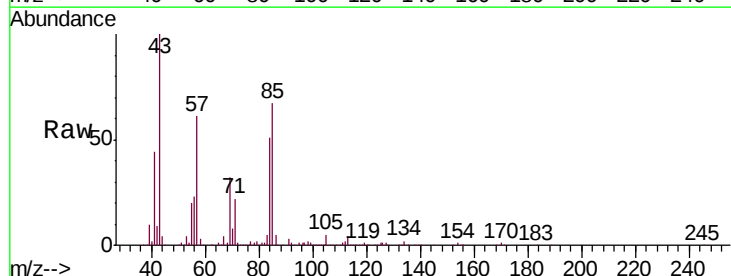
RT: 18.70 min Scan# 4901

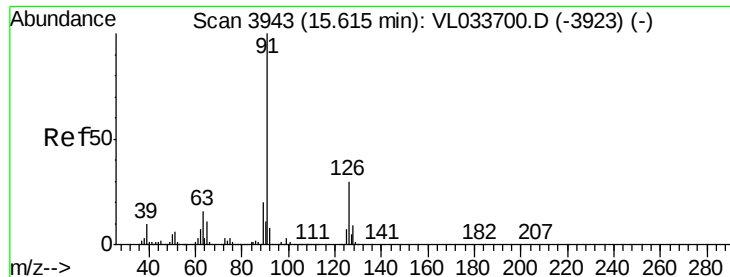
Delta R.T. -0.02 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Tgt Ion:	91	Resp:	6237
Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.6	63.8#
134	0.0	18.1	27.1#

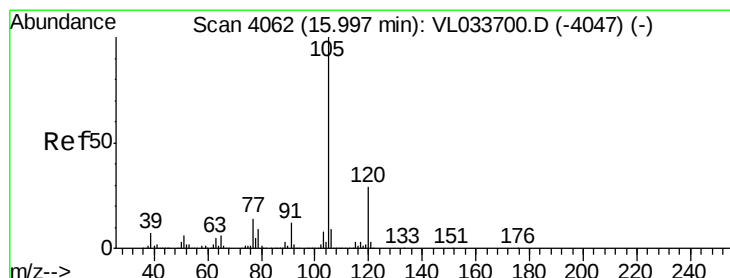
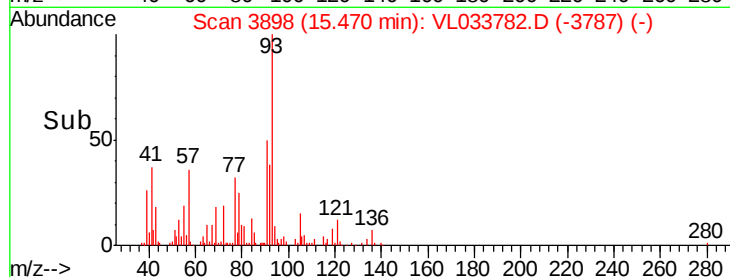
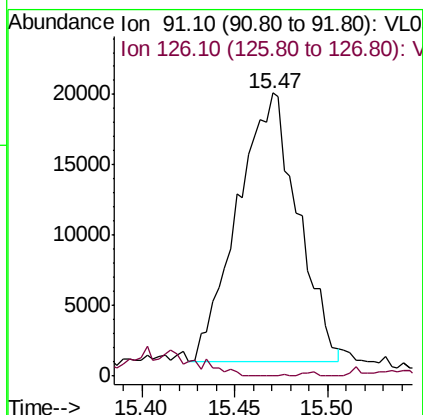
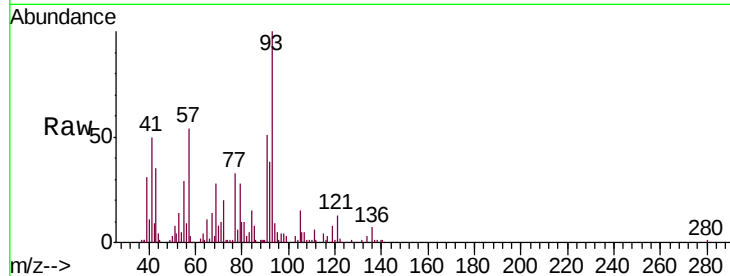




#71
 2-Chlorotoluene
 Concen: 0.153 ppbv
 RT: 15.47 min Scan# 3898
 Delta R.T. -0.14 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

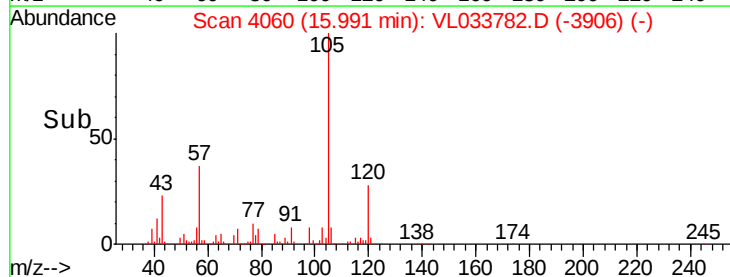
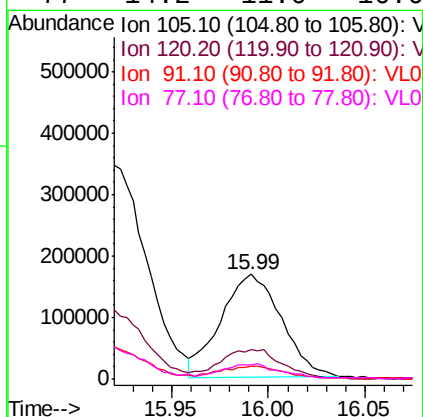
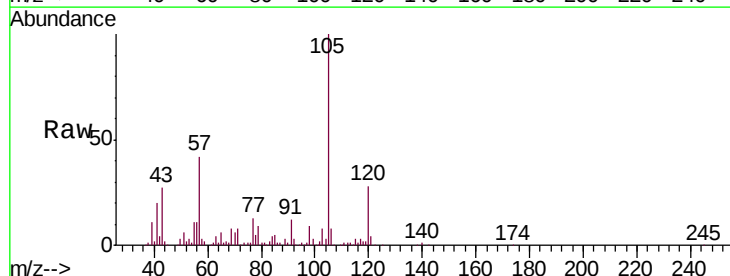
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3001-25

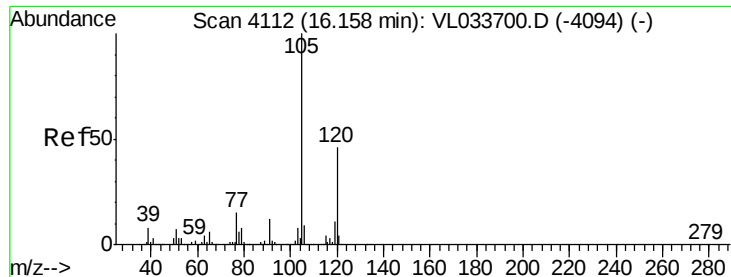
Tgt Ion: 91 Resp: 42995
 Ion Ratio Lower Upper
 91 100
 126 2.6 12.0 47.8#



#72
 4-Ethyltoluene
 Concen: 1.136 ppbv
 RT: 15.99 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL033782.D
 Acq: 23 May 2019 20:46

Tgt Ion: 105 Resp: 365037
 Ion Ratio Lower Upper
 105 100
 120 29.5 23.1 34.7
 91 12.1 10.4 15.6
 77 14.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.796 ppbv

RT: 16.15 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

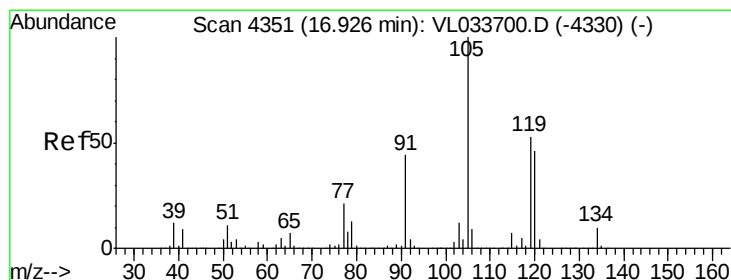
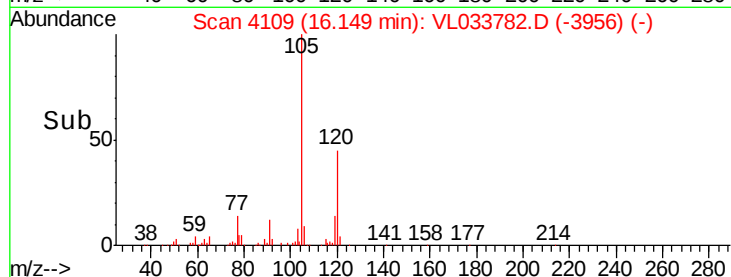
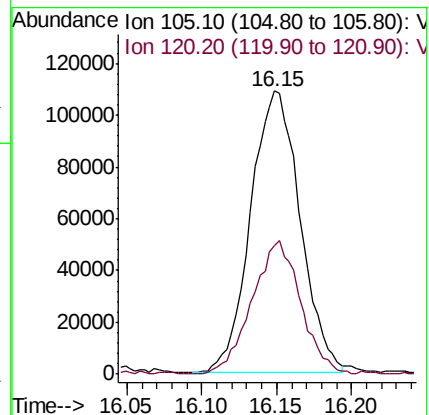
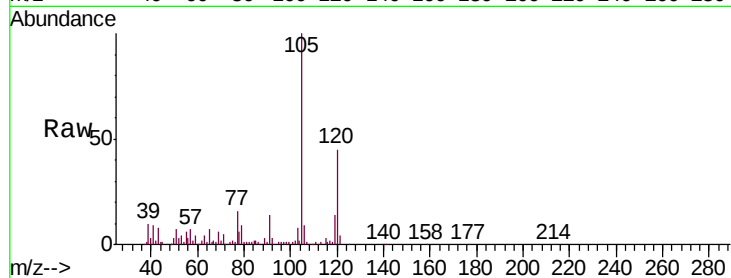
BPS1-SG-3001-25

Tgt Ion:105 Resp: 249747

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 2.628 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Tgt Ion:105 Resp: 896892

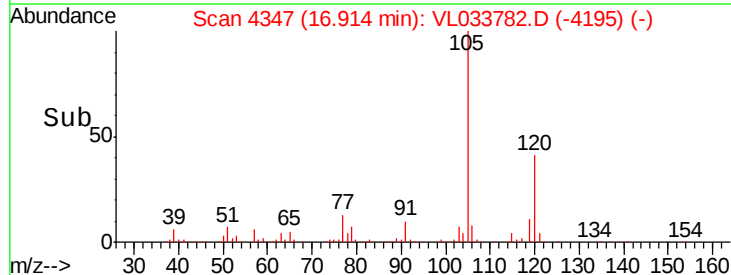
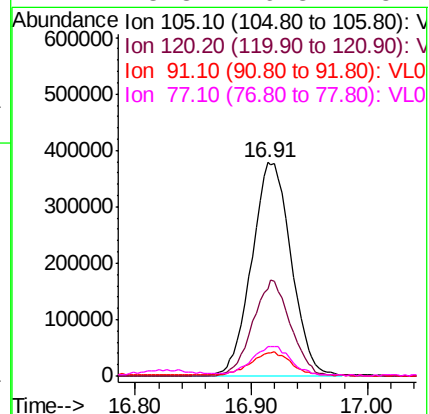
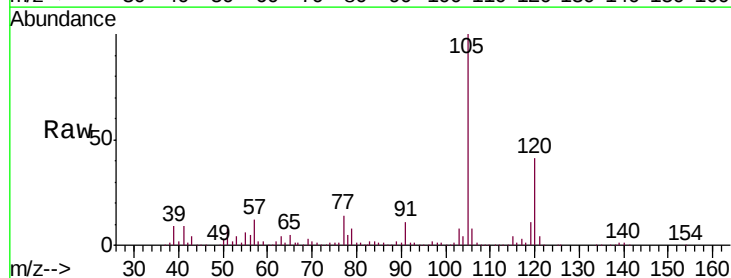
Ion Ratio Lower Upper

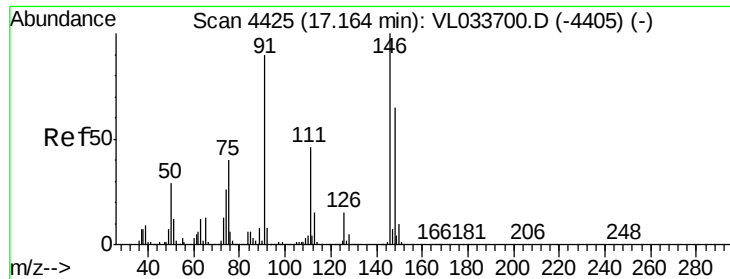
105 100

120 40.7 36.8 55.2

91 10.6 35.4 53.0#

77 13.3 16.8 25.2#





#75

1,3-Dichlorobenzene

Concen: 0.032 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

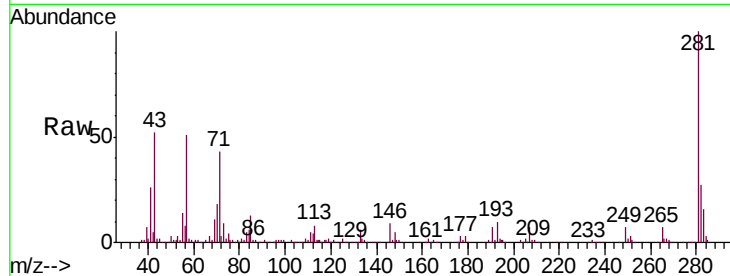
Tgt Ion:146 Resp: 6749

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.8#

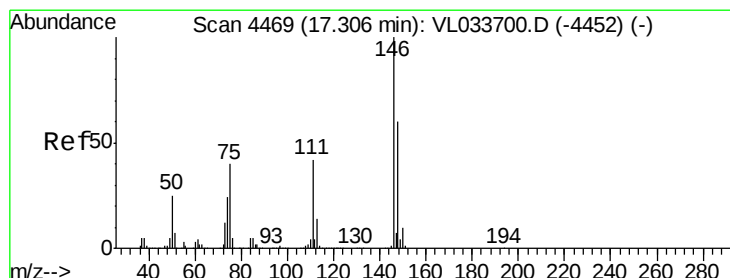
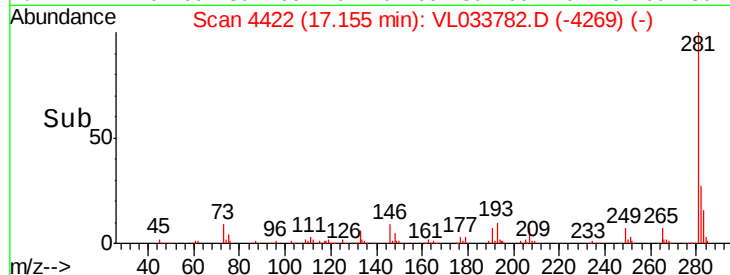
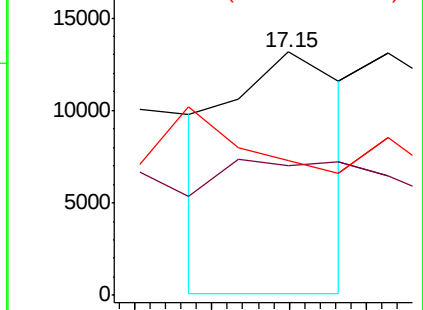
148 0.0 32.0 96.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.066 ppbv

RT: 17.30 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

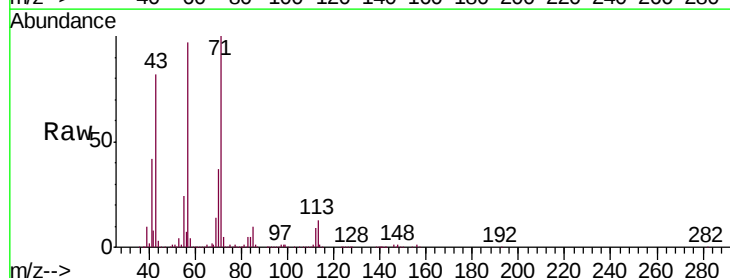
Tgt Ion:146 Resp: 13106

Ion Ratio Lower Upper

146 100

111 142.8 21.9 65.8#

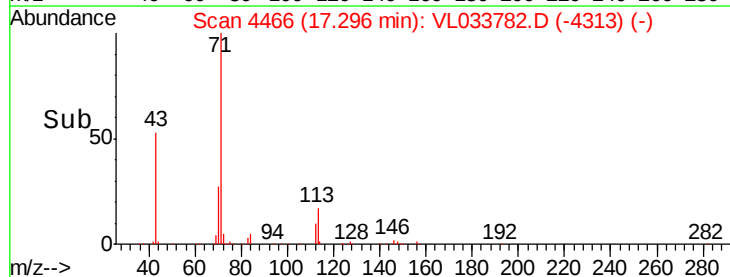
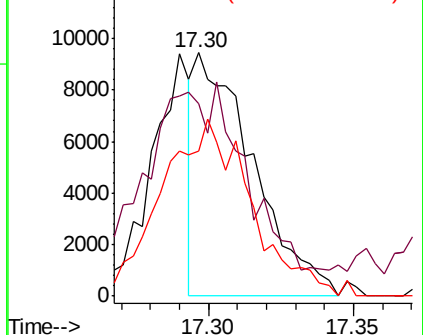
148 113.8 32.1 96.3#

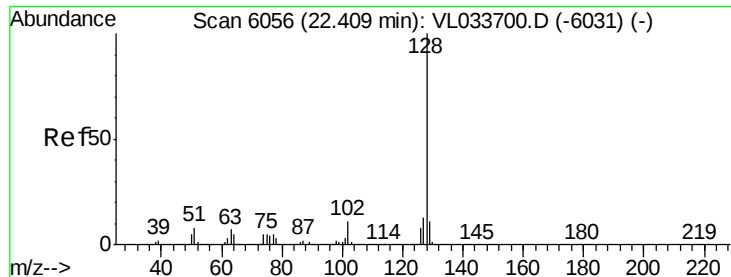


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.134 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3001-25

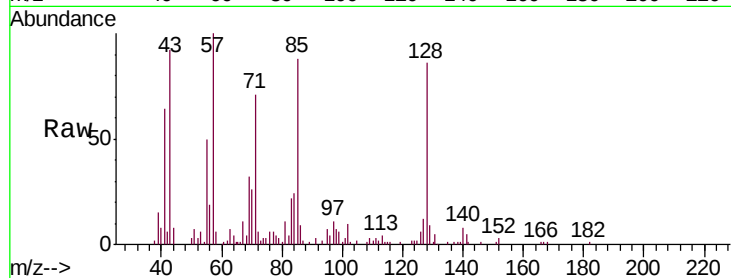
Tgt Ion:128 Resp: 42453

Ion Ratio Lower Upper

128 100

127 11.9 10.6 16.0

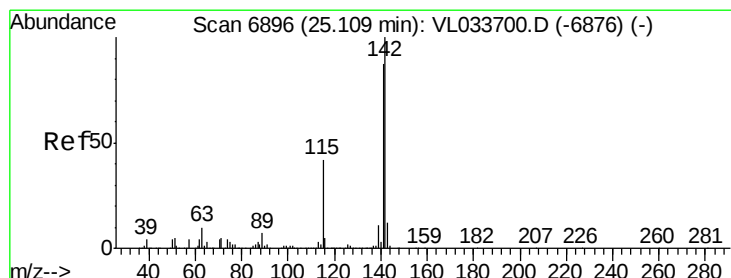
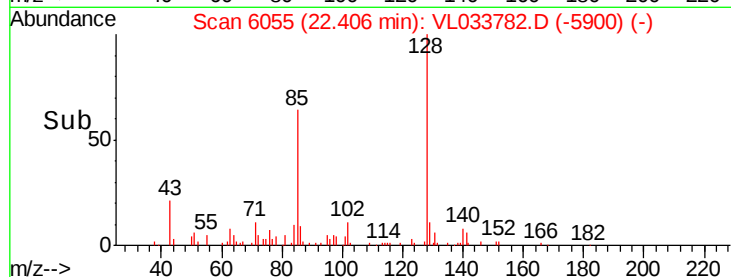
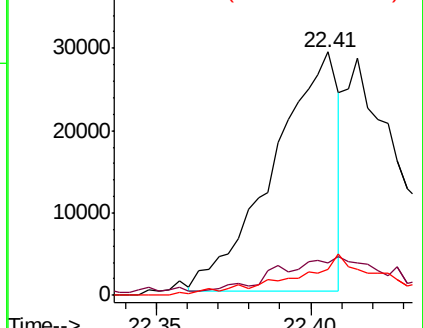
129 9.9 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.031 ppbv

RT: 25.42 min Scan# 6994

Delta R.T. 0.32 min

Lab File: VL033782.D

Acq: 23 May 2019 20:46

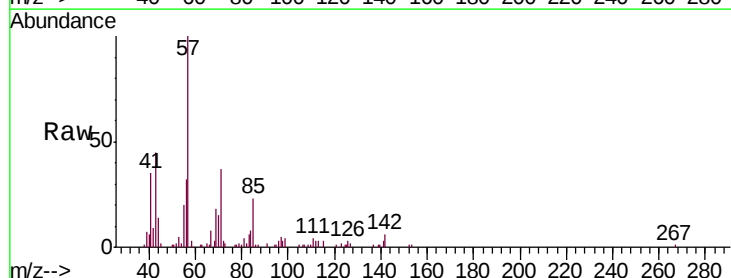
Tgt Ion:142 Resp: 3777

Ion Ratio Lower Upper

142 100

141 91.7 67.2 100.8

115 43.4 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

