

Data File : VL033835.D

Acq On : 29 May 2019 12:50

Operator : SY/AP

Sample : K2960-08

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Quant Time: May 30 01:09:52 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	864030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2101865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2024052	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1683424	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	36572	0.201	ppbv	97
3) Chlorodifluoromethane	2.98	51	92701	0.937	ppbv #	70
4) Chloromethane	3.17	50	26591	0.470	ppbv	95
6) Bromomethane	3.51	94	811	0.023	ppbv #	1
7) Chloroethane	3.59	64	635	0.031	ppbv #	81
8) Dichlorotetrafluoroethane	3.21	85	2455	0.017	ppbv	96
9) Propene	3.03	41	2317144	55.044	ppbv	91
10) Heptane	8.24	43	203277	1.705	ppbv	97
11) Trichlorofluoromethane	4.00	101	683500	3.933	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	35727	0.294	ppbv	98
13) Ethanol	3.66	45	412158	30.292	ppbv	100
15) Acetone	3.89	43	11174335	93.213	ppbv #	85
16) 1,3-Butadiene	3.34	39	1517971	31.797	ppbv #	24
17) tert-Butyl alcohol	4.37	59	151718	1.565	ppbv #	93
19) Isopropyl Alcohol	4.04	45	125900	1.629	ppbv #	94
20) Methylene Chloride	4.41	84	133212	2.886	ppbv	94
21) Allyl Chloride	4.46	41	33460	0.447	ppbv #	1
23) Vinyl Acetate	5.15	43	180795	1.144	ppbv #	68
24) 1,1-Dichloroethane	5.12	63	3557	0.030	ppbv #	90
25) Ethyl Acetate	5.77	43	299452	1.422	ppbv #	83
26) Hexane	5.77	57	374328	4.135	ppbv #	41
27) Carbon Disulfide	4.62	76	233733	1.882	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1994	0.014	ppbv #	54
29) Chloroform	5.85	83	5290	0.032	ppbv	84
30) Cyclohexane	7.24	84	14623	0.192	ppbv #	1
32) 1,1,1-Trichloroethane	6.62	97	2108	0.013	ppbv #	16
34) 2-Butanone	5.33	43	1219478	9.360	ppbv	99
35) Carbon Tetrachloride	7.13	117	3874	0.023	ppbv #	72
36) Benzene	7.00	78	322129	1.685	ppbv	97
37) 1,2-Dichloroethane	6.41	62	3503	0.028	ppbv #	83
38) Trichloroethene	7.96	130	3313	0.047	ppbv #	56
39) 1,2-Dichloropropane	7.29	63	531137	7.451	ppbv #	23
40) 1,4-Dioxane	7.96	88	481	0.016	ppbv #	1
41) Tetrahydrofuran	6.15	42	14324	0.196	ppbv #	86
42) Bromodichloromethane	7.91	83	4964	0.029	ppbv #	23
44) 2,2,4-Trimethylpentane	7.98	57	67787	0.210	ppbv #	45
50) 4-Methyl-2-Pentanone	8.87	43	64349	0.321	ppbv	97
51) 2-Hexanone	10.27	43	103912	0.664	ppbv #	91
52) Tetrachloroethene	11.37	164	8062	0.120	ppbv #	67
53) Toluene	9.94	91	2145969	10.406	ppbv	99
58) Ethyl Benzene	12.86	91	348333	1.300	ppbv	97

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Operator : SY/AP
Sample : K2960-08
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Quant Time: May 30 01:09:52 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)
59) m/p-Xylene	13.11	91	1212482	5.175	ppbv	98
60) o-Xylene	13.84	91	415433	1.759	ppbv	100
61) Styrene	13.68	104	9666	0.061	ppbv #	53
62) Isopropylbenzene	14.82	105	21826	0.069	ppbv	91
64) n-propylbenzene	15.71	120	10184	0.124	ppbv #	1
65) tert-Butylbenzene	16.91	119	60942	0.210	ppbv #	51
67) sec-Butylbenzene	17.45	105	4518	0.011	ppbv #	31
69) p-Isopropyltoluene	17.81	119	5651	0.017	ppbv #	48
70) n-Butylbenzene	18.71	91	29721	0.082	ppbv #	63
72) 4-Ethyltoluene	15.99	105	151662	0.562	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.15	105	85010	0.323	ppbv	95
74) 1,2,4-Trimethylbenzene	16.91	105	568060	1.981	ppbv #	73
75) 1,3-Dichlorobenzene	17.15	146	52536	0.299	ppbv #	29
79) Naphthalene	22.40	128	53090	0.199	ppbv #	95
80) Naphthalene,2-methyl-	25.42	142	4997	0.049	ppbv	95

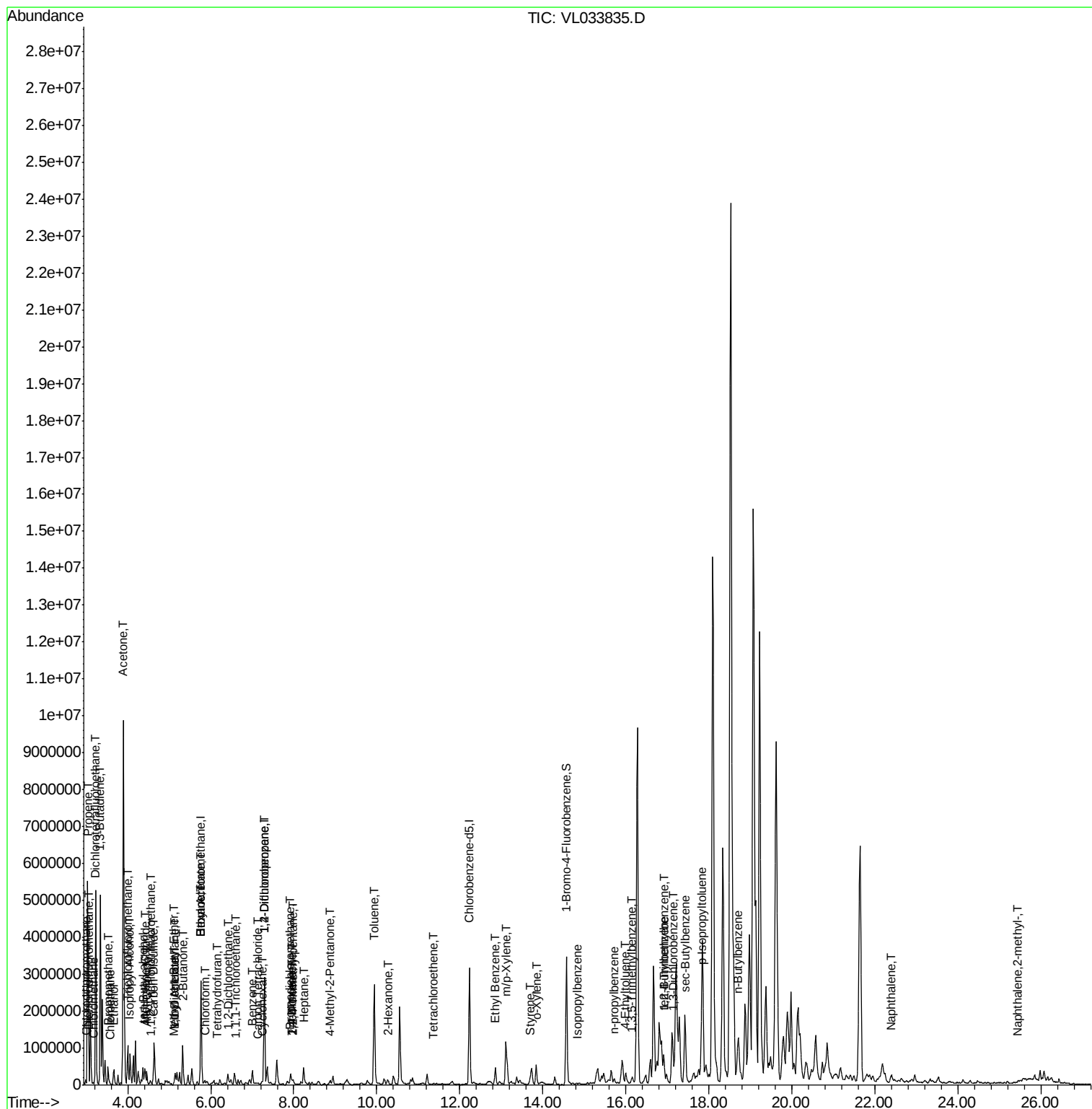
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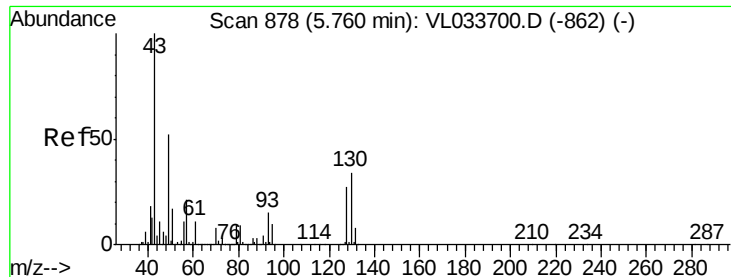
Data File : VL033835.D

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Acq On       : 29 May 2019  12:50
Operator     : SY/AP
Sample       : K2960-08
Misc         : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Quant Time: May 30 01:09:52 2019
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

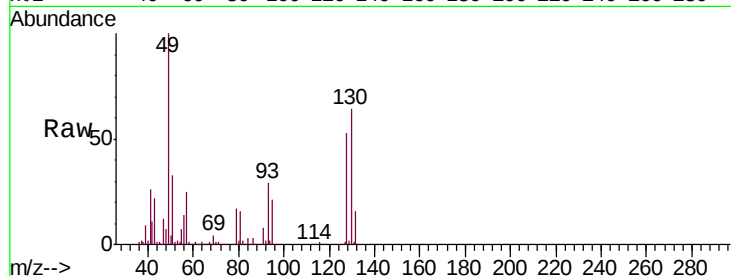
Tgt Ion: 49 Resp: 864030

Ion Ratio Lower Upper

49 100

128 50.7 25.2 75.6

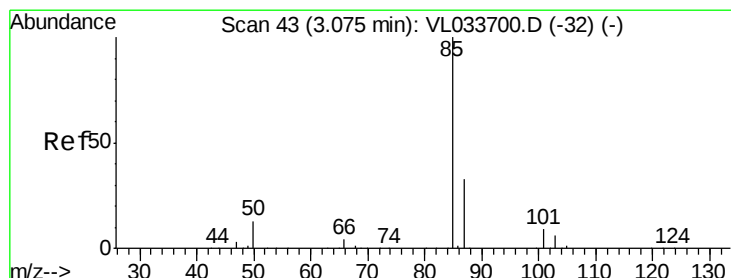
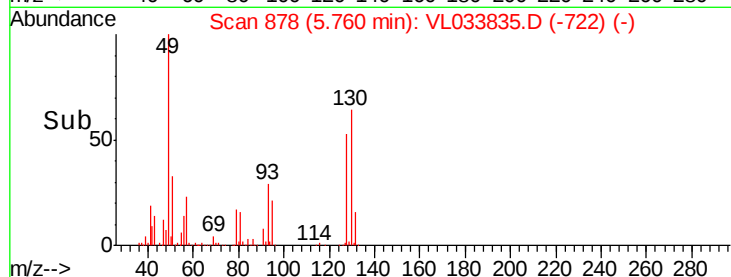
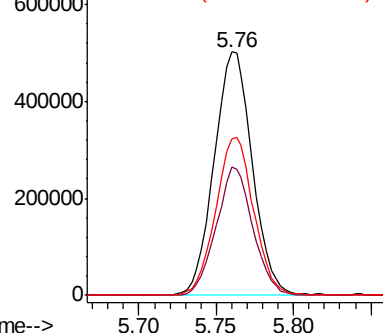
130 64.8 32.5 97.5



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: 0.201 ppbv

RT: 3.07 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033835.D

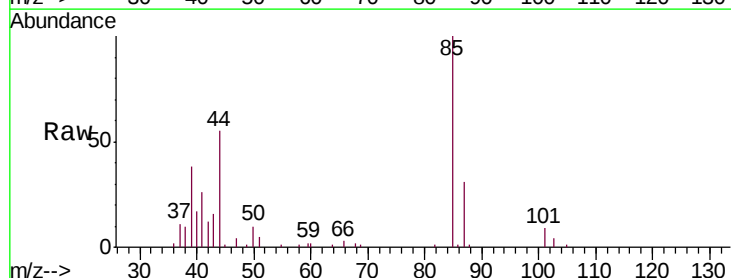
Acq: 29 May 2019 12:50

Tgt Ion: 85 Resp: 36572

Ion Ratio Lower Upper

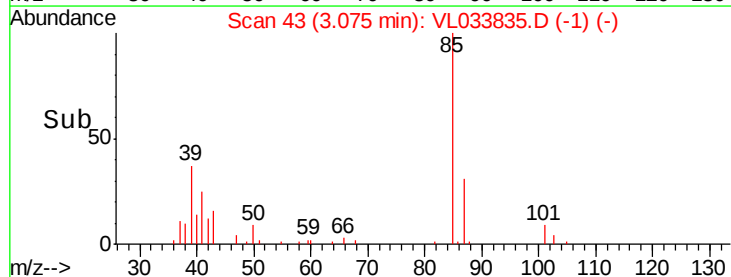
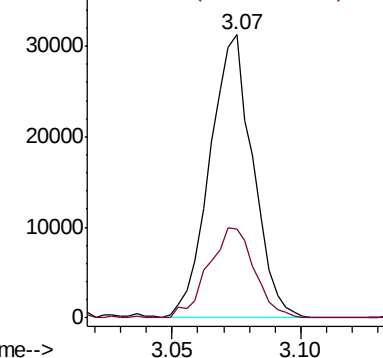
85 100

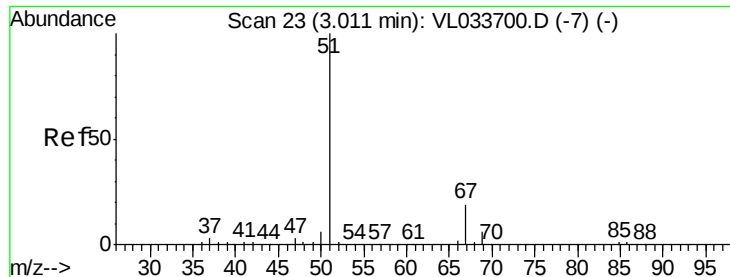
87 31.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

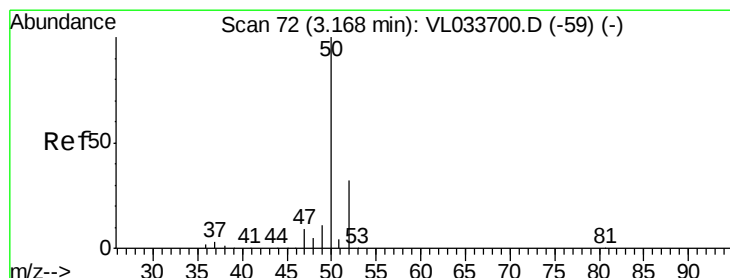
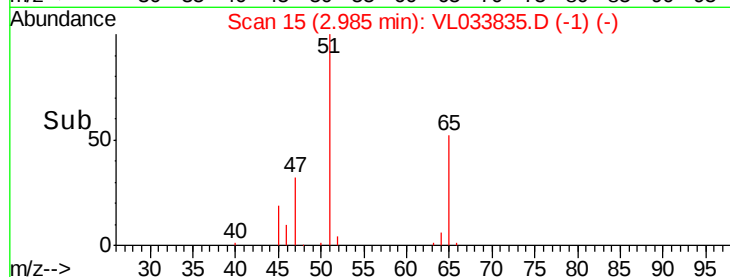
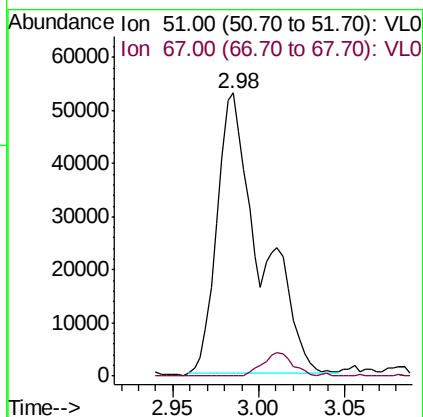
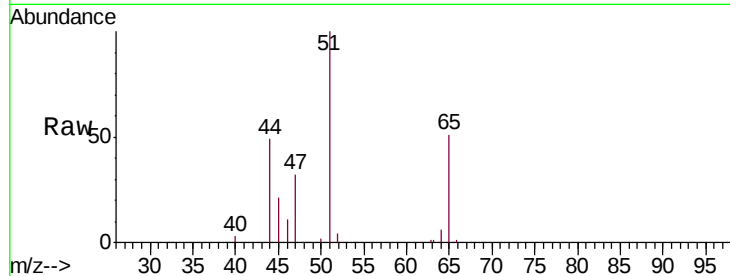




#3
Chlorodifluoromethane
Concen: 0.937 ppbv
RT: 2.98 min Scan# 15
Delta R.T. -0.03 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

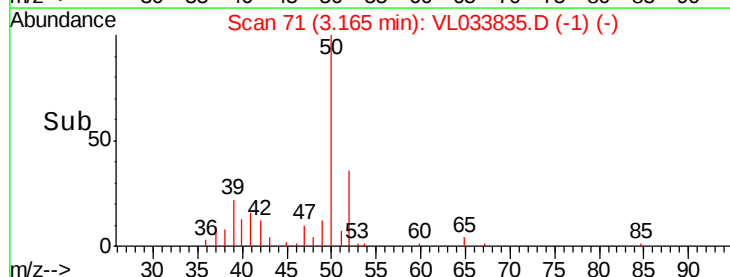
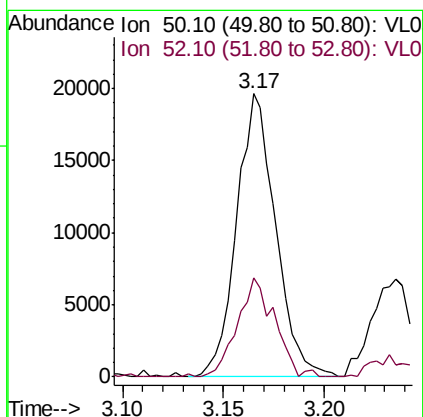
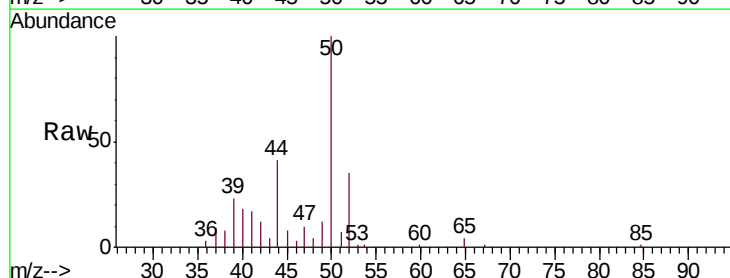
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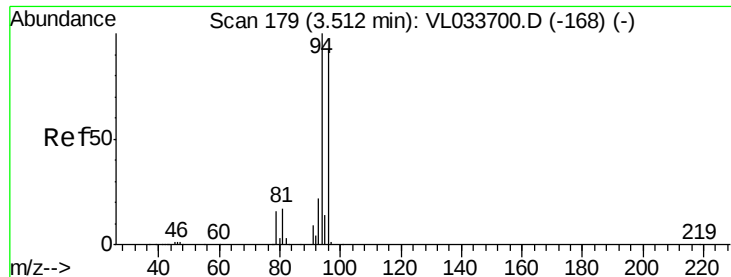
Tgt Ion: 51 Resp: 92701
Ion Ratio Lower Upper
51 100
67 6.0 15.6 23.4#



#4
Chloromethane
Concen: 0.470 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 50 Resp: 26591
Ion Ratio Lower Upper
50 100
52 34.9 25.7 38.5





#6

Bromomethane

Concen: 0.023 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

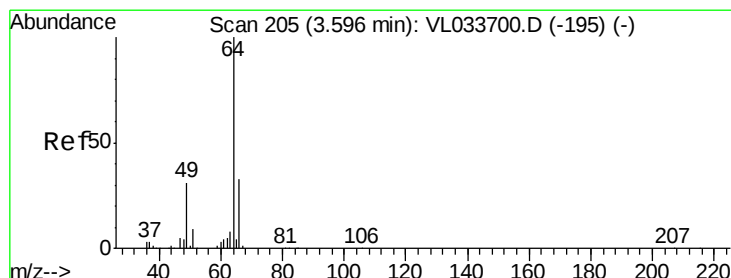
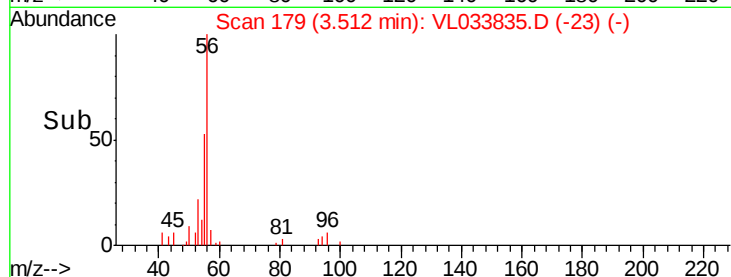
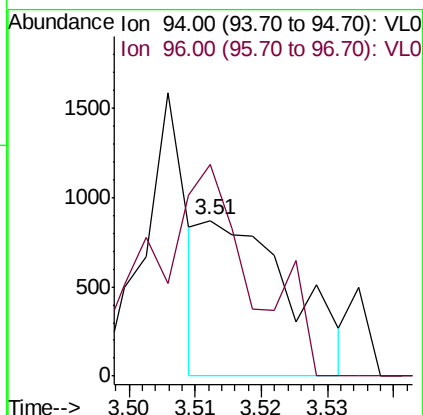
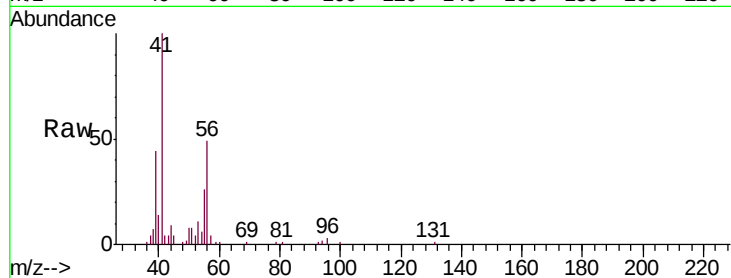
BPS1-SG-3010-55

Tgt Ion: 94 Resp: 811

Ion Ratio Lower Upper

94 100

96 197.8 73.6 110.4#



#7

Chloroethane

Concen: 0.031 ppbv

RT: 3.59 min Scan# 203

Delta R.T. -0.01 min

Lab File: VL033835.D

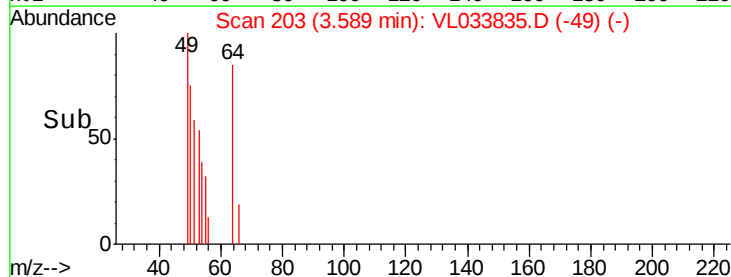
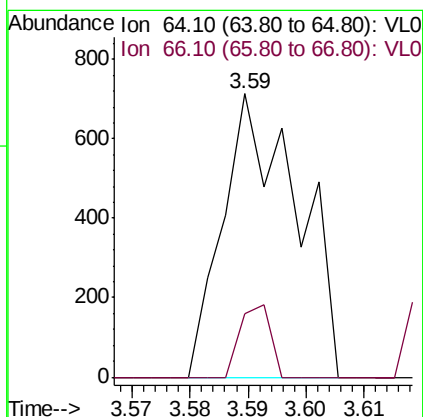
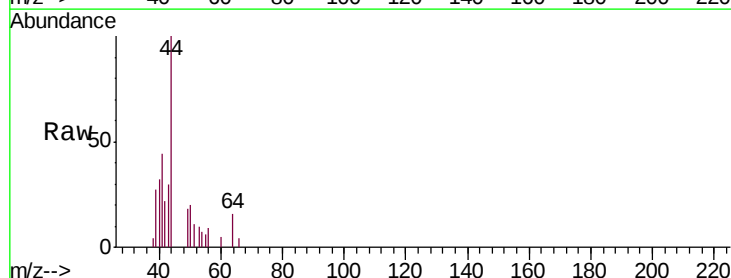
Acq: 29 May 2019 12:50

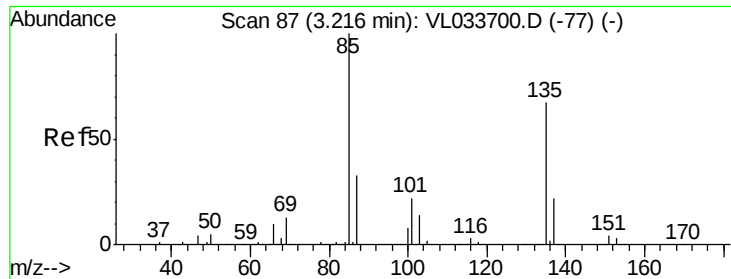
Tgt Ion: 64 Resp: 635

Ion Ratio Lower Upper

64 100

66 22.3 26.6 40.0#





#8

Dichlorotetrafluoroethane

Concen: 0.017 ppbv

RT: 3.21 min Scan# 86

Delta R.T. -0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

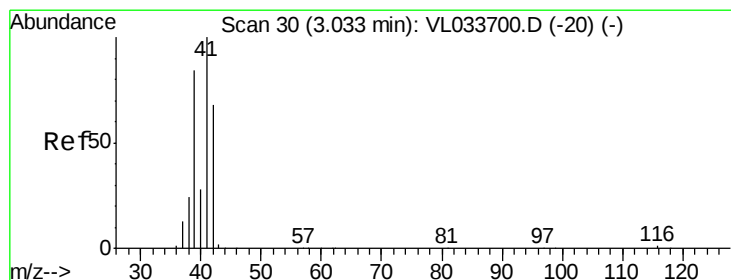
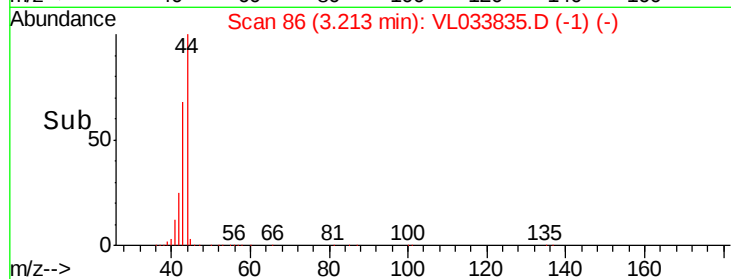
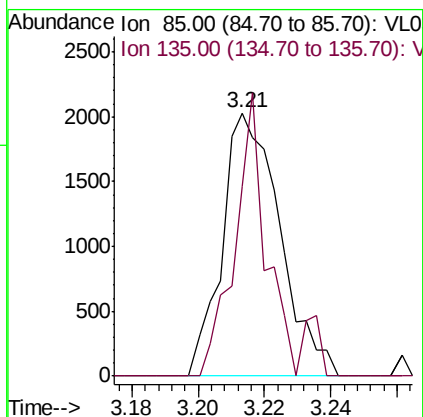
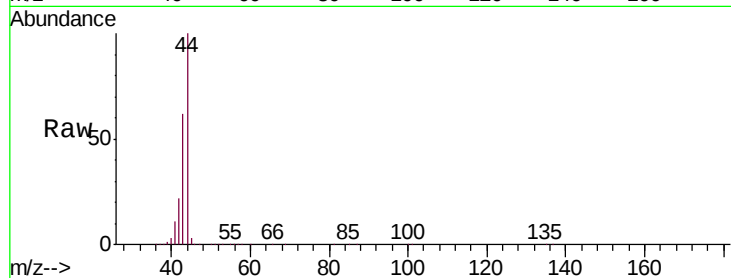
BPS1-SG-3010-55

Tgt Ion: 85 Resp: 2455

Ion Ratio Lower Upper

85 100

135 64.7 54.5 81.7



#9

Propene

Concen: 55.044 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033835.D

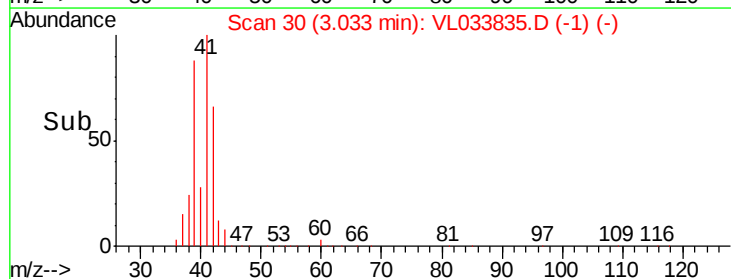
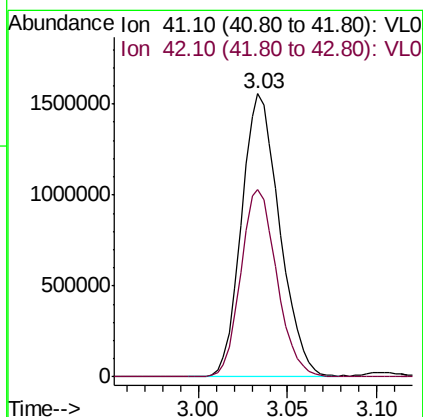
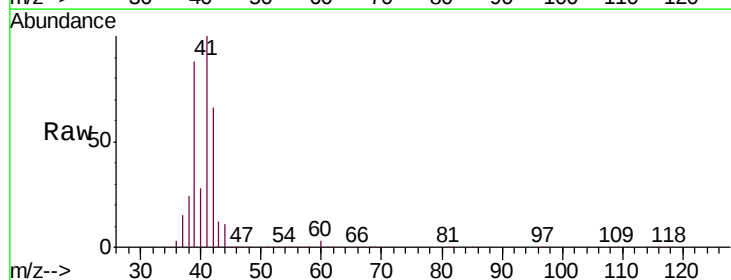
Acq: 29 May 2019 12:50

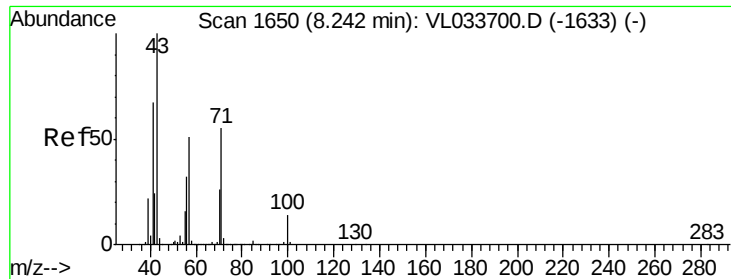
Tgt Ion: 41 Resp: 2317144

Ion Ratio Lower Upper

41 100

42 62.6 56.1 84.1

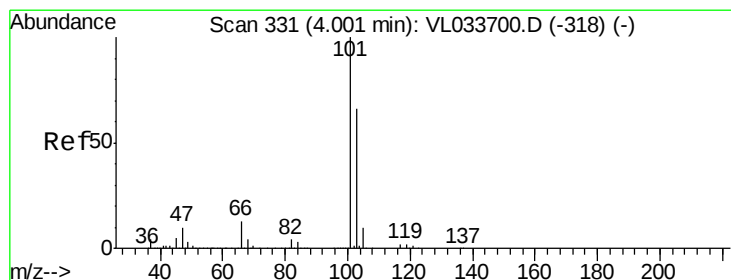
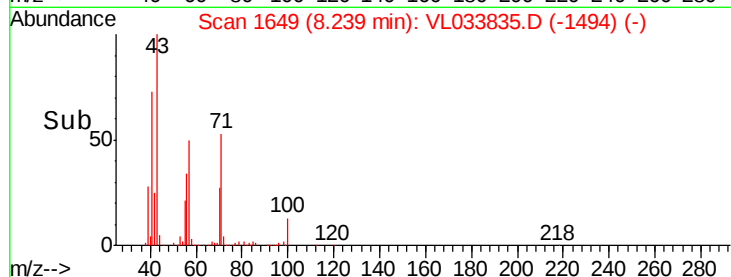
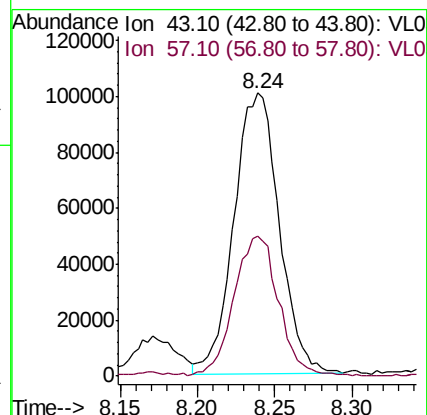
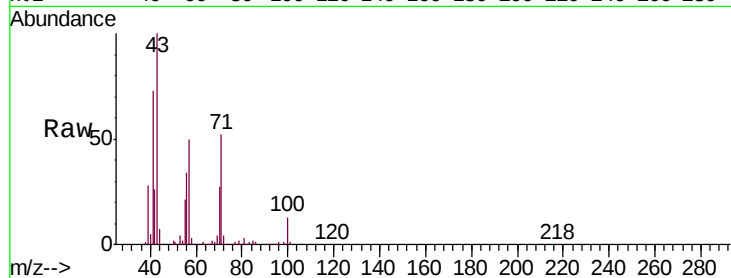




#10
 Heptane
 Concen: 1.705 ppbv
 RT: 8.24 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

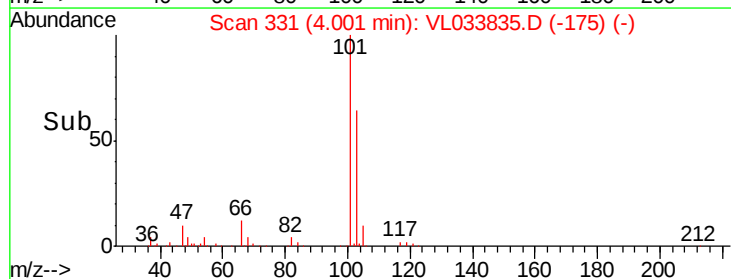
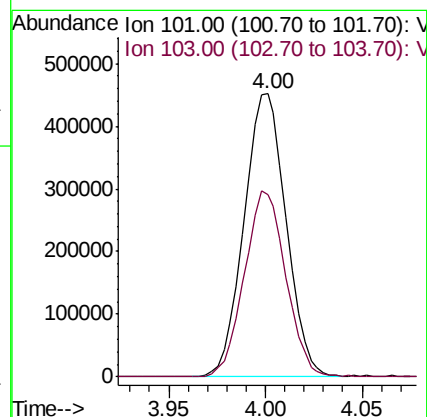
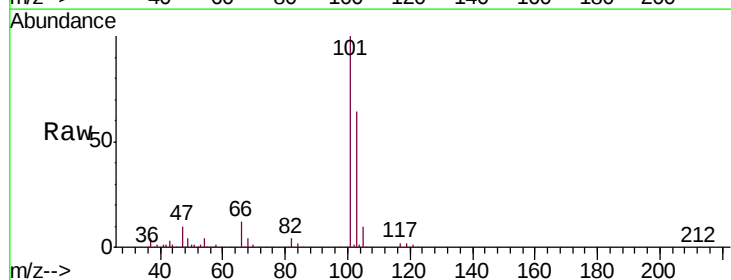
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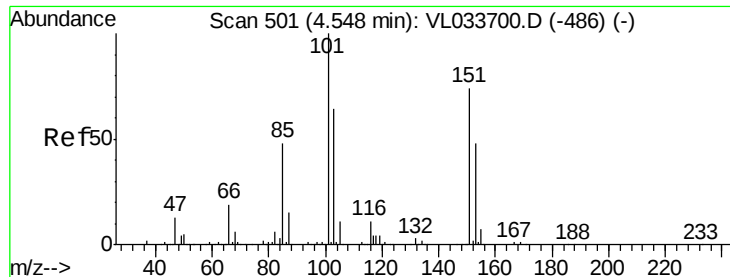
Tgt Ion: 43 Resp: 203277
 Ion Ratio Lower Upper
 43 100
 57 49.6 41.4 62.0



#11
 Trichlorofluoromethane
 Concen: 3.933 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

Tgt Ion: 101 Resp: 683500
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.6 78.8

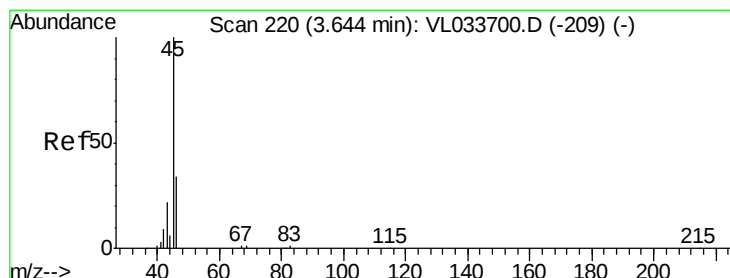
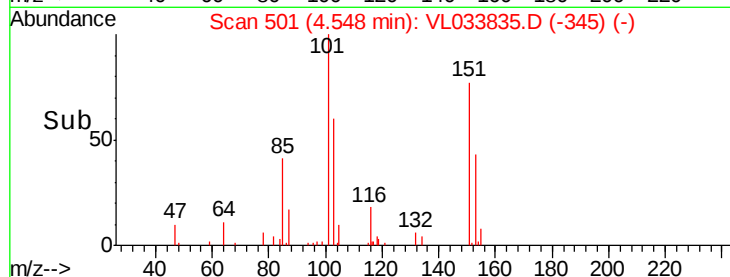
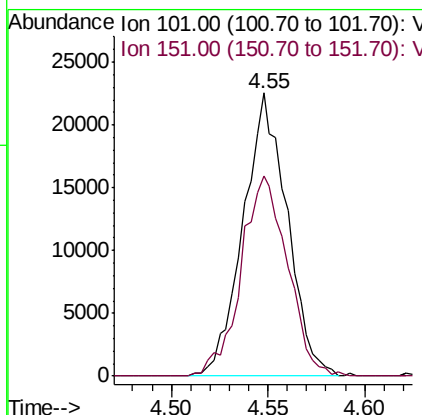
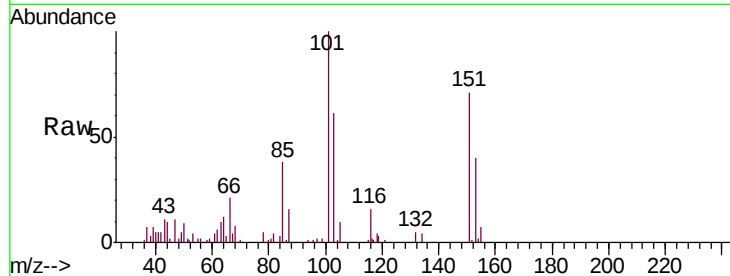




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.294 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

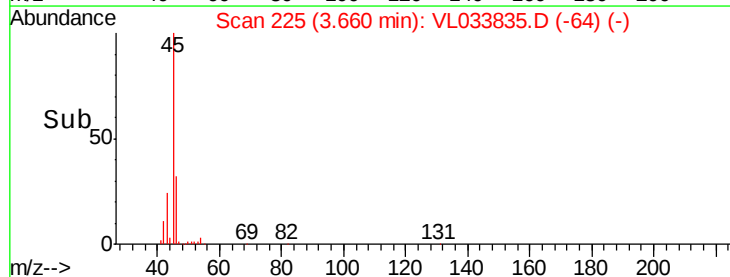
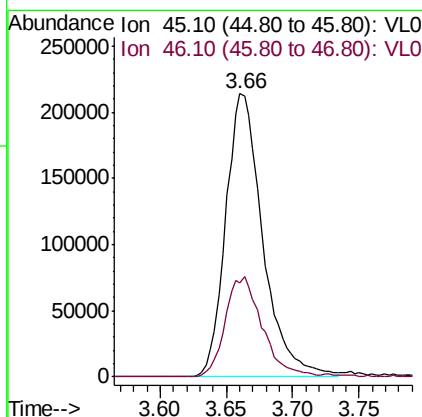
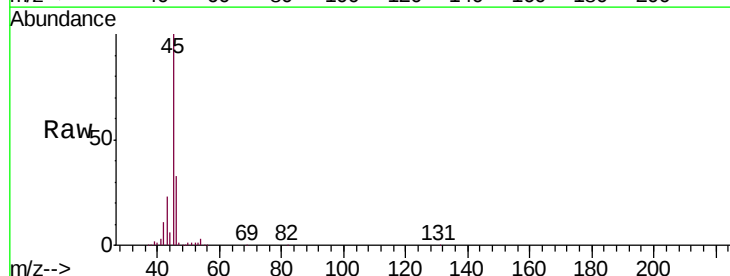
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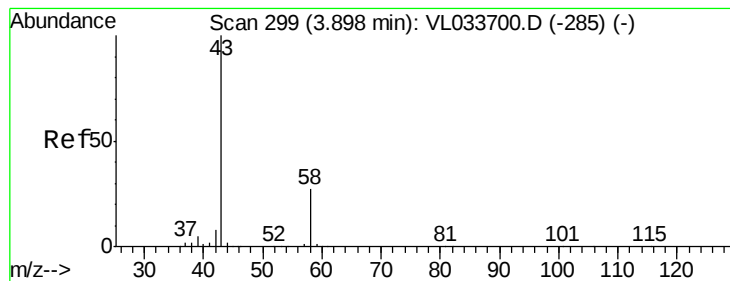
Tgt Ion: 101 Resp: 35727
 Ion Ratio Lower Upper
 101 100
 151 74.4 58.2 87.4



#13
 Ethanol
 Concen: 30.292 ppbv
 RT: 3.66 min Scan# 225
 Delta R.T. 0.02 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

Tgt Ion: 45 Resp: 412158
 Ion Ratio Lower Upper
 45 100
 46 36.8 14.8 59.0





#15

Acetone

Concen: 93.213 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

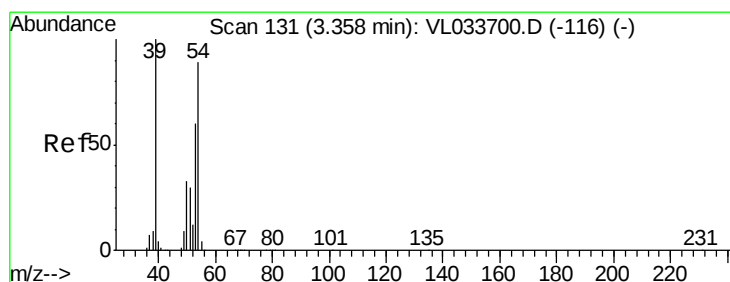
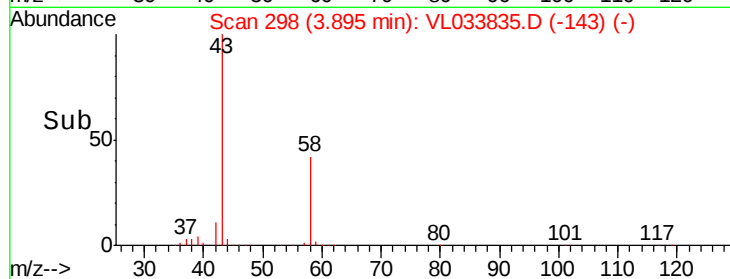
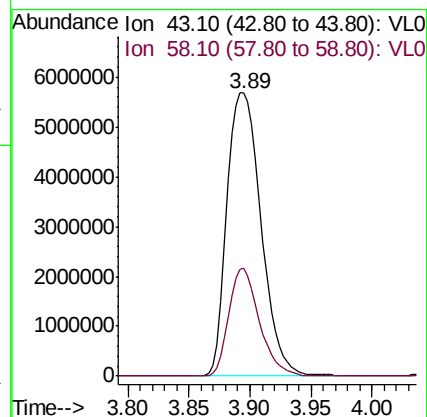
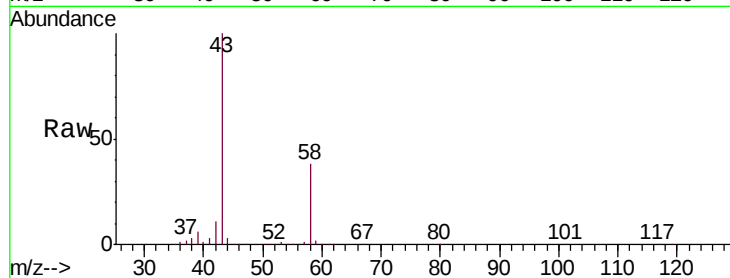
BPS1-SG-3010-55

Tgt Ion: 43 Resp:11174335

Ion Ratio Lower Upper

43 100

58 34.2 21.3 31.9#



#16

1,3-Butadiene

Concen: 31.797 ppbv

RT: 3.34 min Scan# 125

Delta R.T. -0.02 min

Lab File: VL033835.D

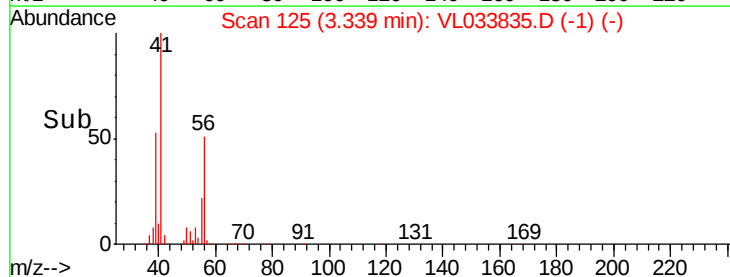
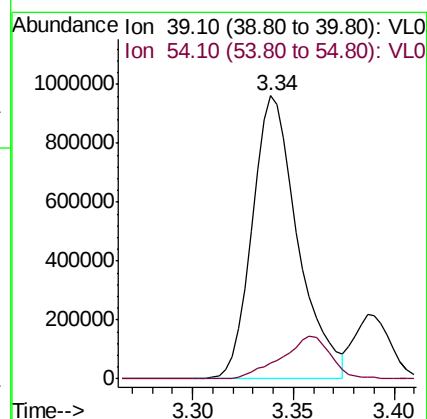
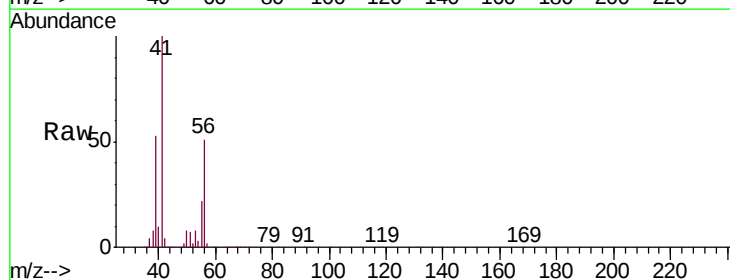
Acq: 29 May 2019 12:50

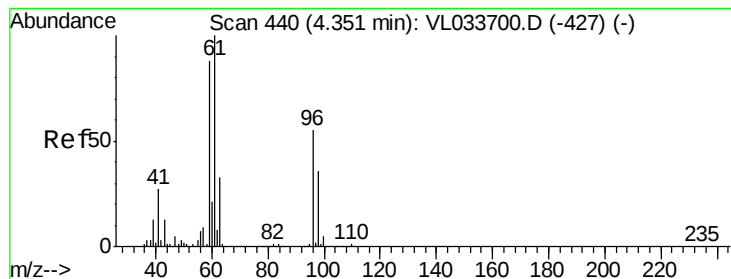
Tgt Ion: 39 Resp: 1517971

Ion Ratio Lower Upper

39 100

54 16.3 69.0 103.6#



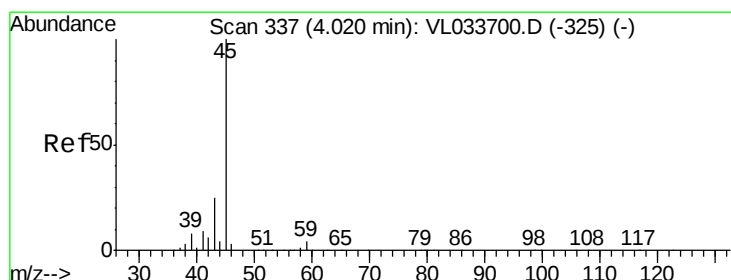
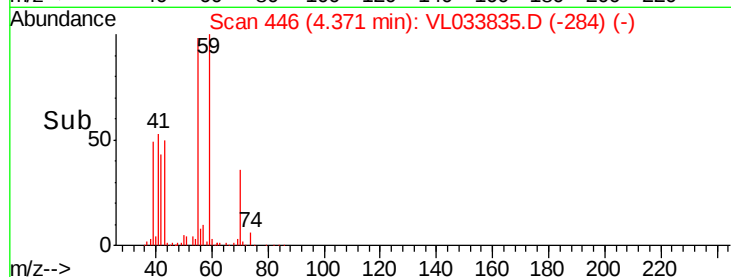
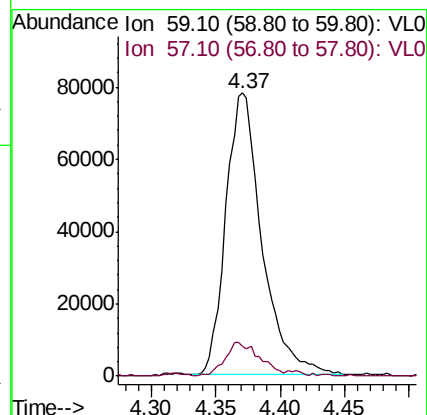
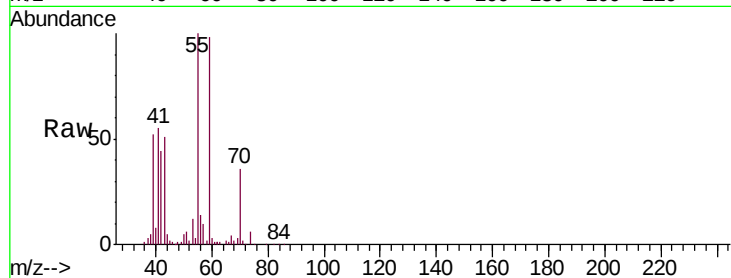


#17

tert-Butyl alcohol
Concen: 1.565 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

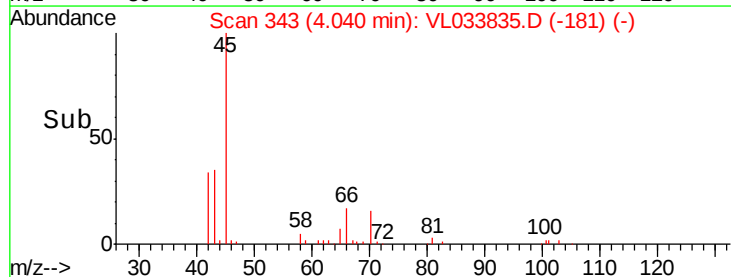
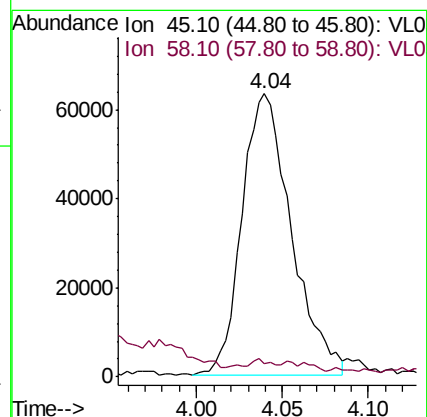
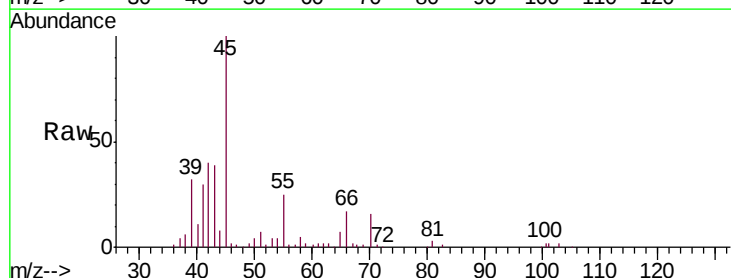
Tgt Ion: 59 Resp: 151718
Ion Ratio Lower Upper
59 100
57 13.1 8.4 12.6#

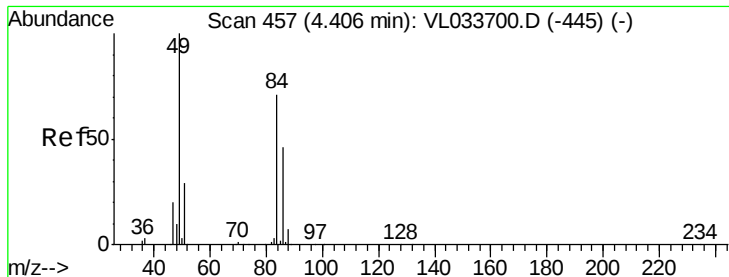


#19

Isopropyl Alcohol
Concen: 1.629 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 45 Resp: 125900
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#





#20

Methylene Chloride

Concen: 2.886 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion: 84 Resp: 133212

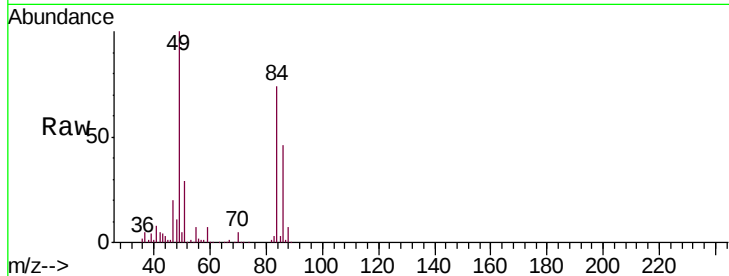
Ion Ratio Lower Upper

84 100

49 133.5 112.8 169.2

51 33.8 33.4 50.0

86 62.2 51.7 77.5

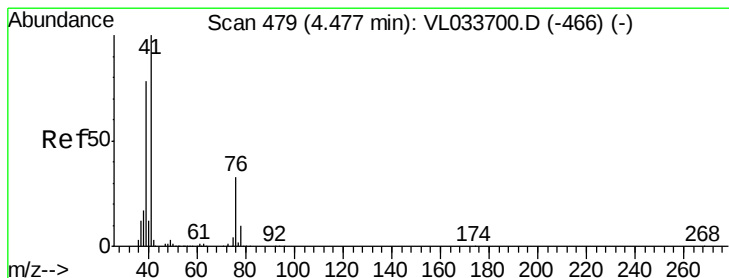
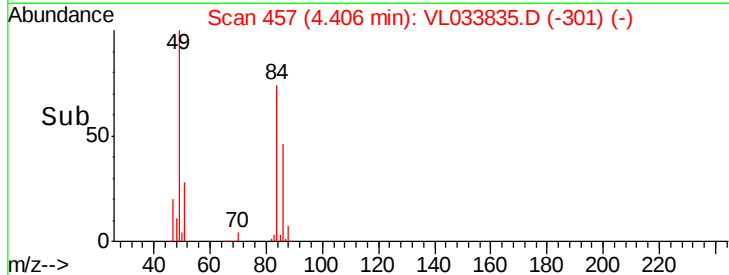
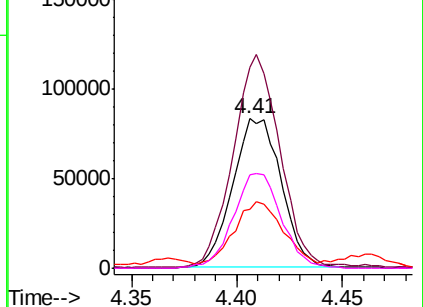


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.447 ppbv

RT: 4.46 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

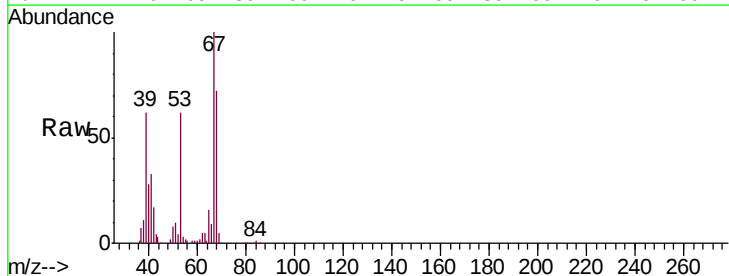
Tgt Ion: 41 Resp: 33460

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

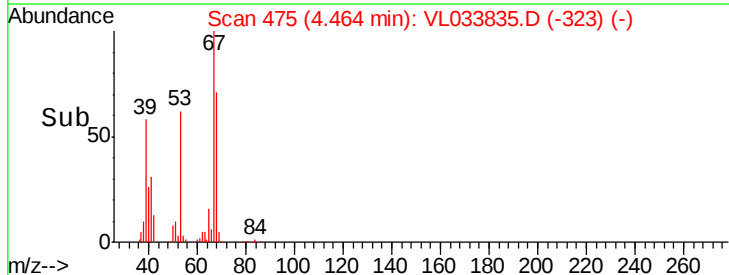
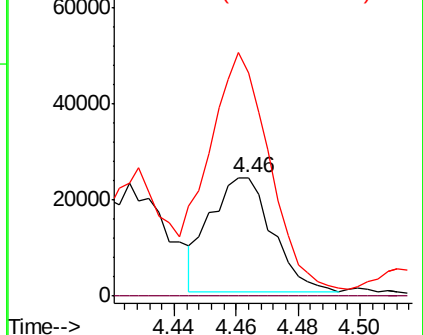
39 303.9 64.6 97.0#

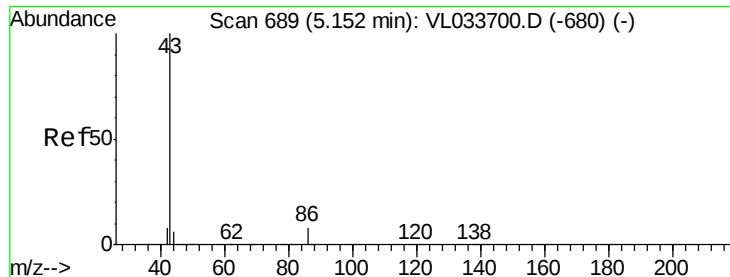


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 1.144 ppbv

RT: 5.15 min Scan# 687

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion: 43 Resp: 180795

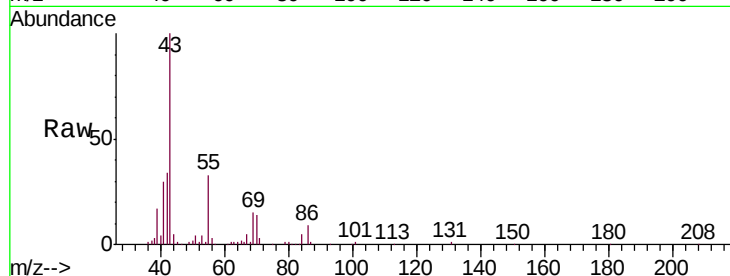
Ion Ratio Lower Upper

43 100

86 9.0 6.0 9.0#

42 34.4 7.5 11.3#

44 2.6 4.4 6.6#

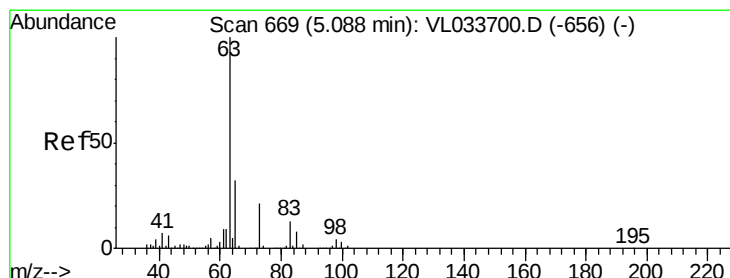
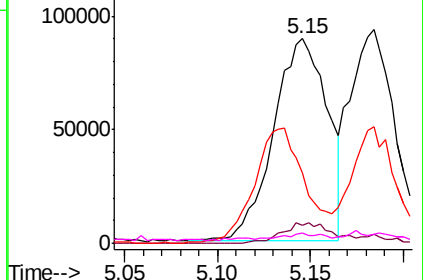
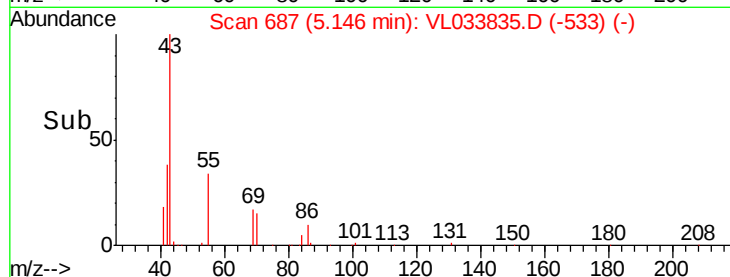


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.030 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.04 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

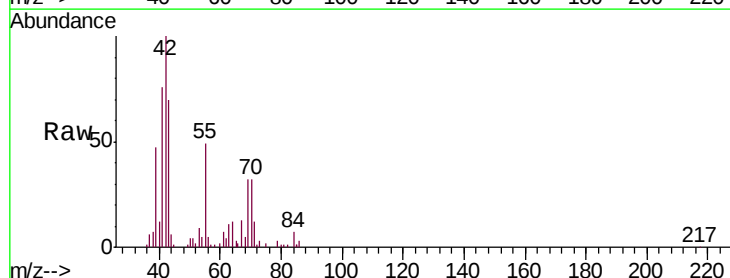
Tgt Ion: 63 Resp: 3557

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

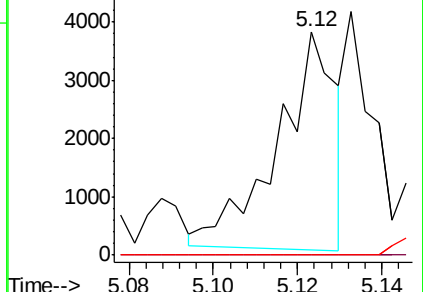
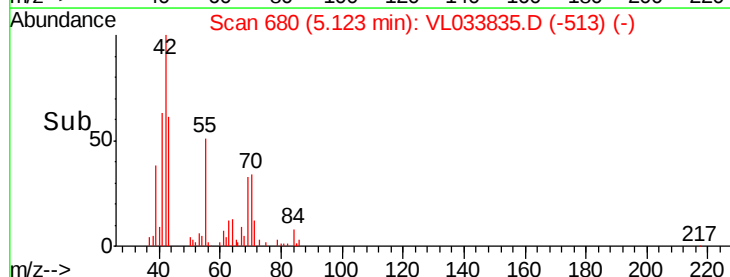
100 0.0 1.4 4.2#

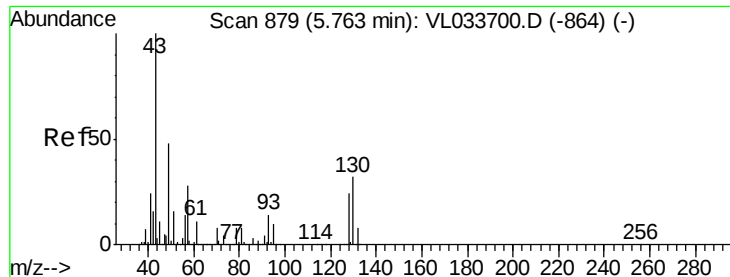


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.422 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion: 43 Resp: 299452

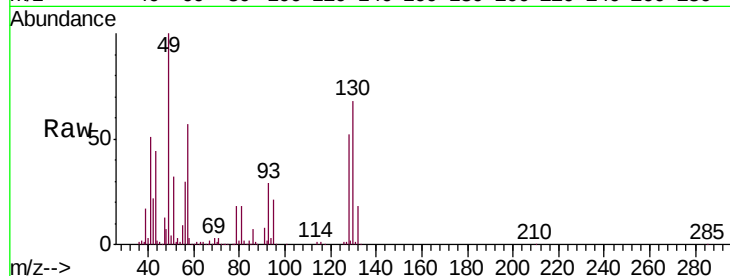
Ion Ratio Lower Upper

43 100

45 3.0 7.9 11.9#

61 2.4 7.7 11.5#

70 3.7 5.8 8.6#

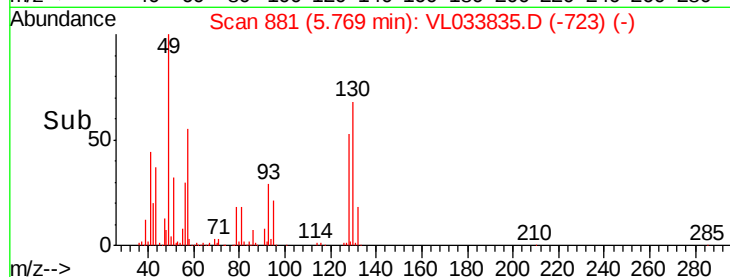
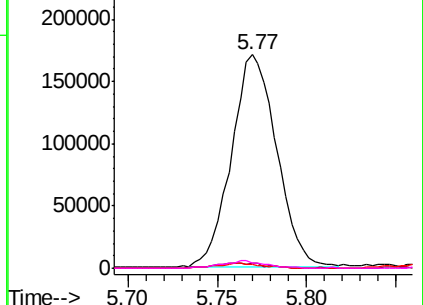


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.135 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Tgt Ion: 57 Resp: 374328

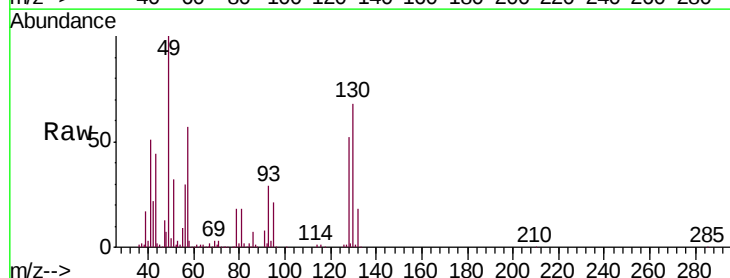
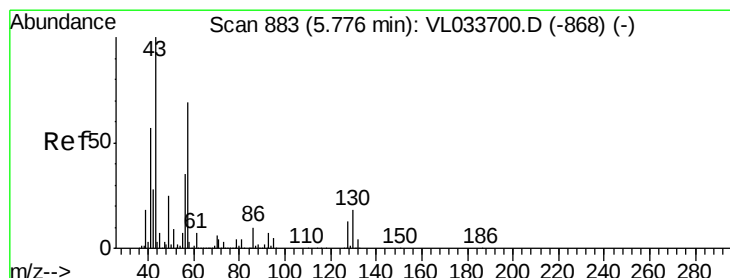
Ion Ratio Lower Upper

57 100

41 99.4 69.8 104.6

43 82.1 181.8 272.6#

56 57.2 42.1 63.1

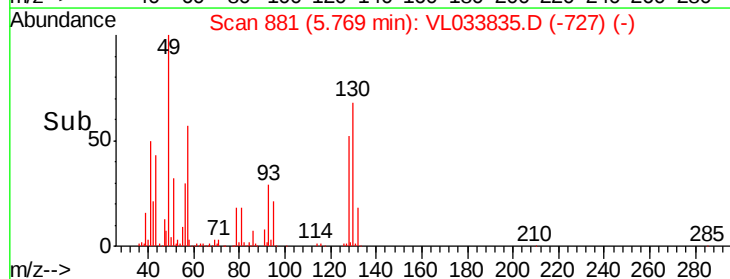
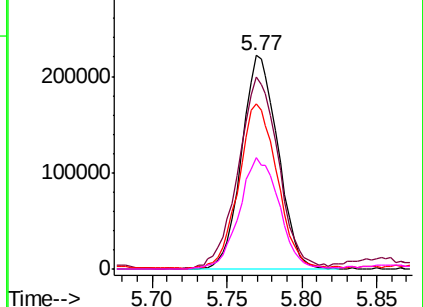


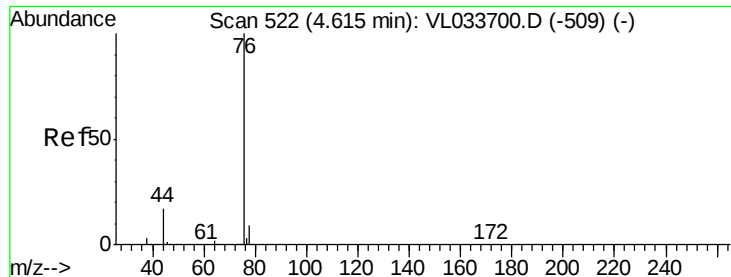
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 1.882 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

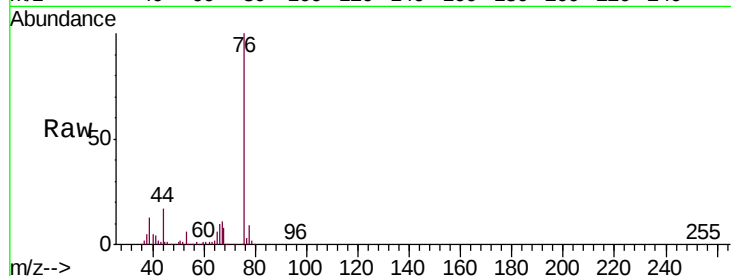
Tgt Ion: 76 Resp: 233733

Ion Ratio Lower Upper

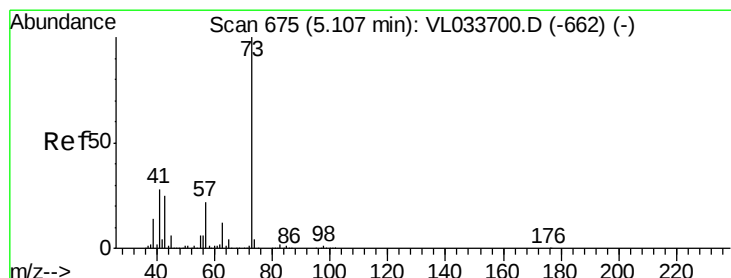
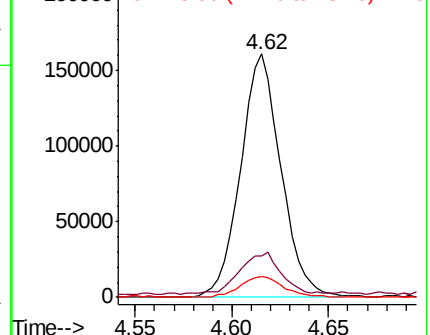
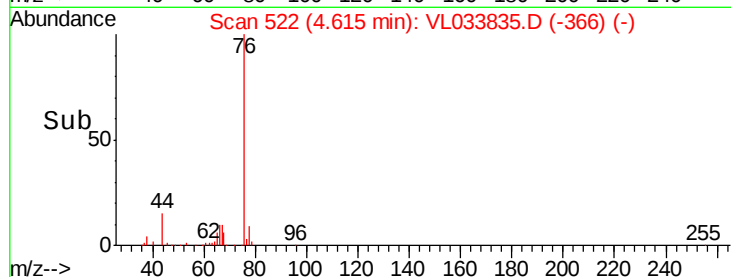
76 100

44 18.6 13.8 20.8

78 9.4 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: 0.014 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033835.D

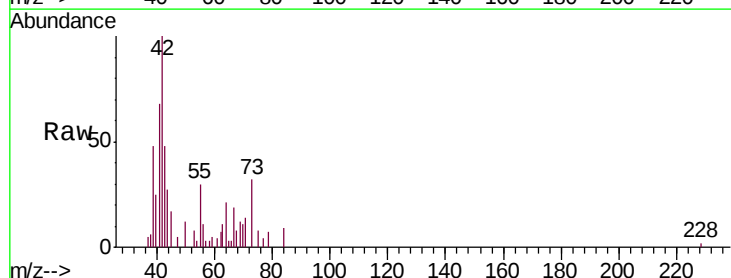
Acq: 29 May 2019 12:50

Tgt Ion: 73 Resp: 1994

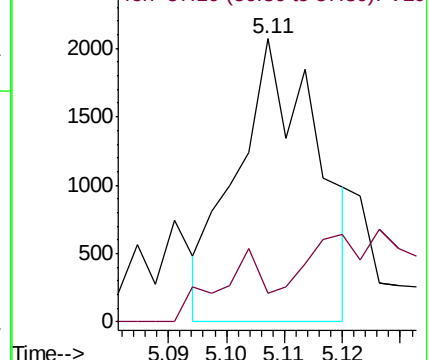
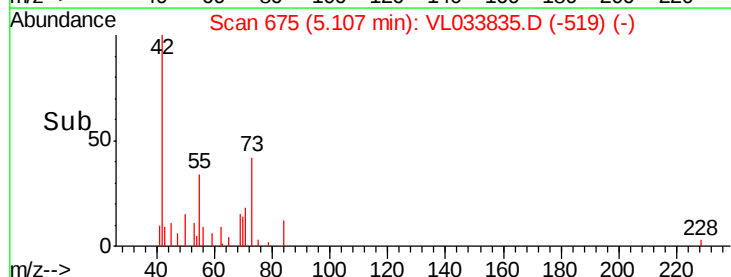
Ion Ratio Lower Upper

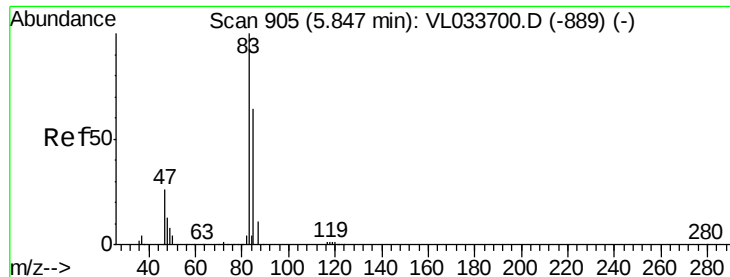
73 100

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

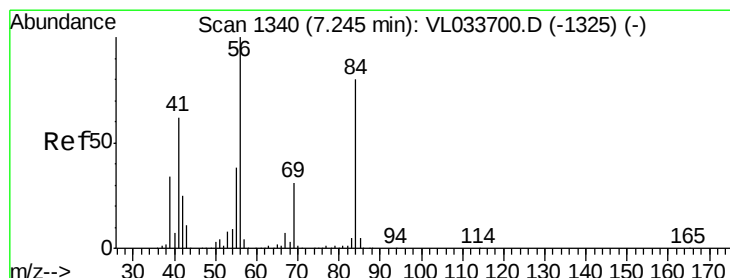
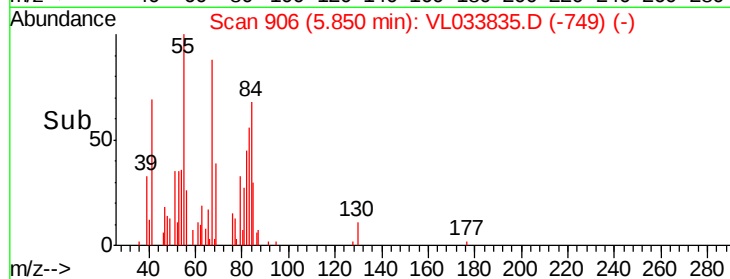
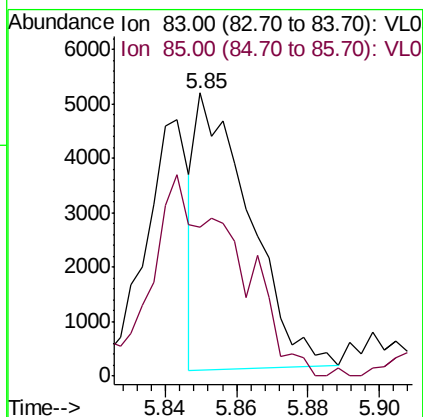
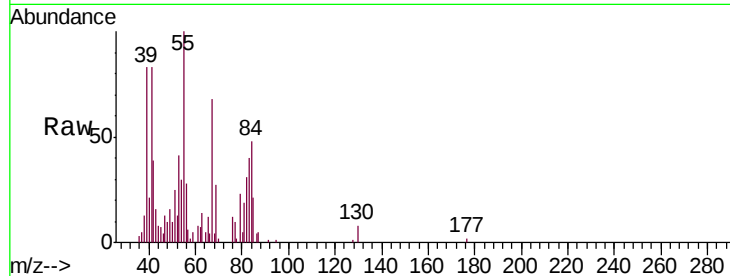




#29
Chloroform
Concen: 0.032 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

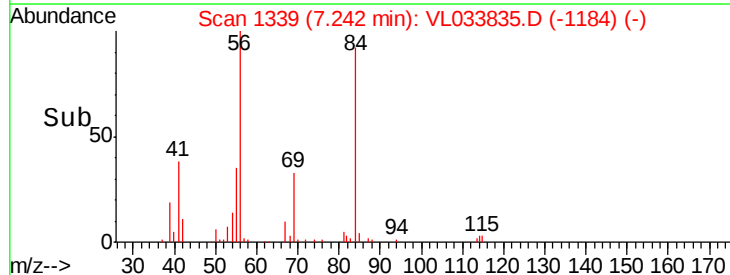
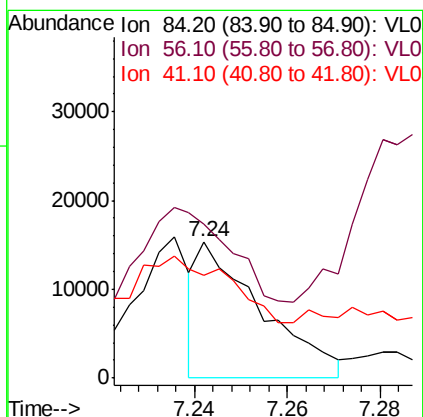
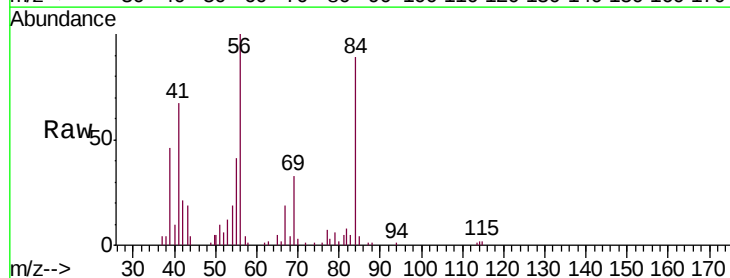
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

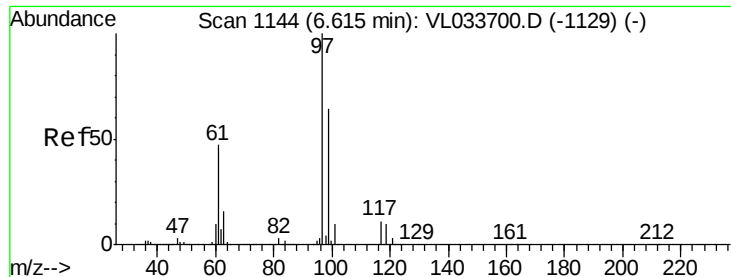
Tgt Ion: 83 Resp: 5290
Ion Ratio Lower Upper
83 100
85 51.7 51.5 77.3



#30
Cyclohexane
Concen: 0.192 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 84 Resp: 14623
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#





#32

1,1,1-Trichloroethane

Concen: 0.013 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

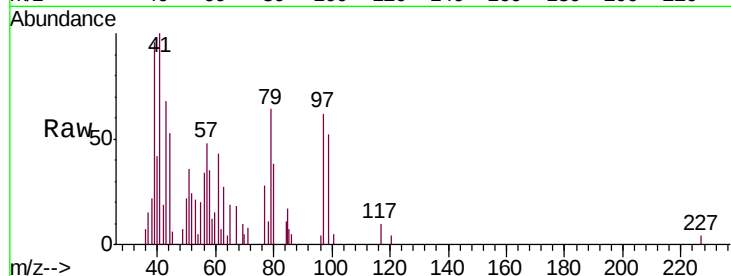
Tgt Ion: 97 Resp: 2108

Ion Ratio Lower Upper

97 100

99 138.3 51.5 77.3#

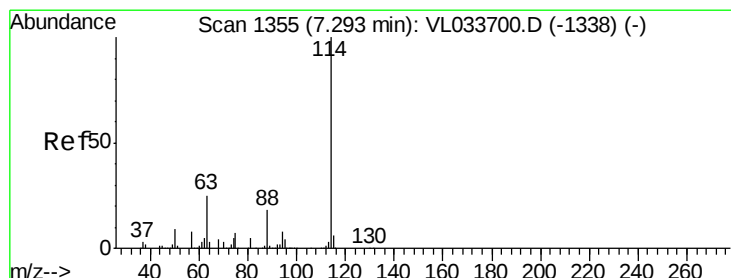
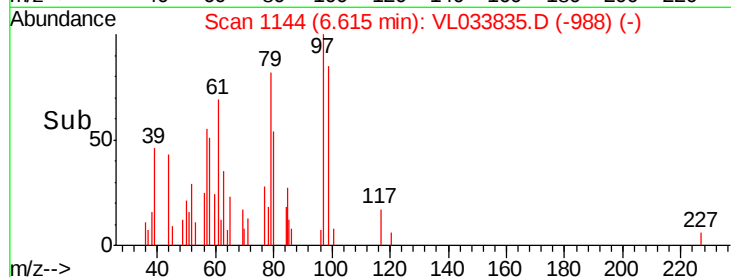
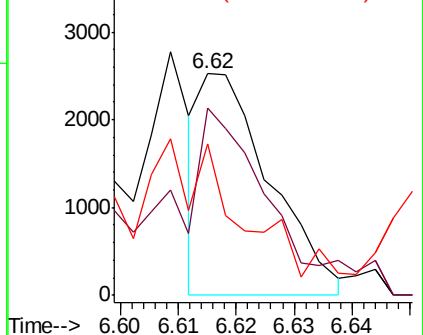
61 0.0 37.8 56.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

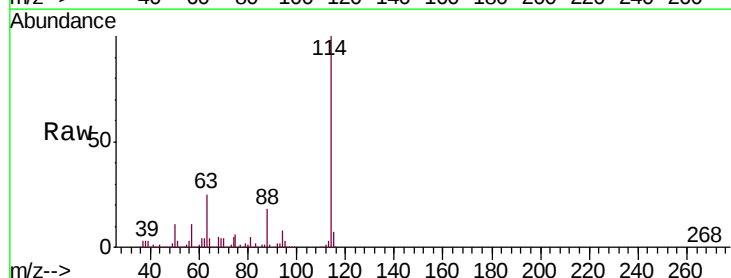
Tgt Ion: 114 Resp: 2101865

Ion Ratio Lower Upper

114 100

63 25.2 20.9 31.3

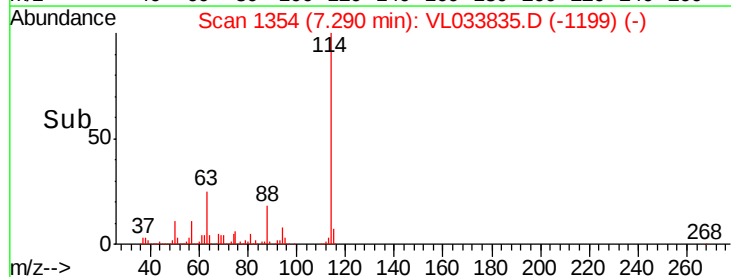
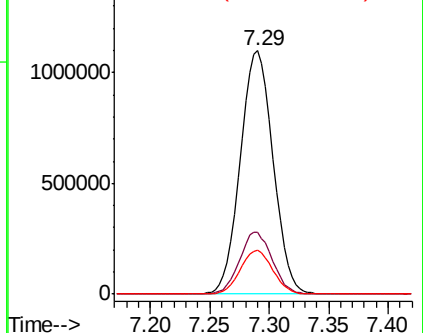
88 17.8 14.3 21.5

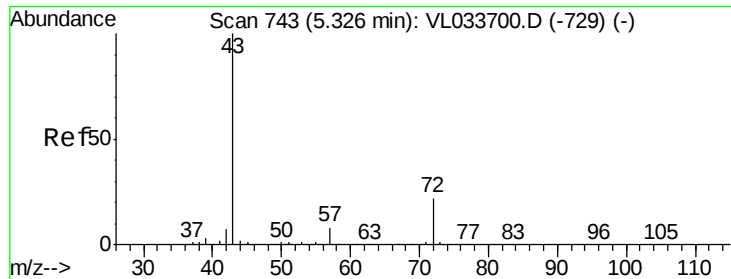


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

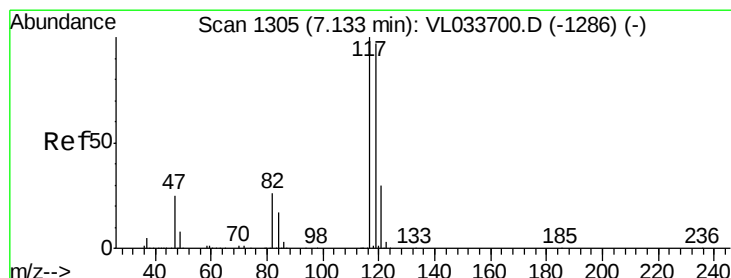
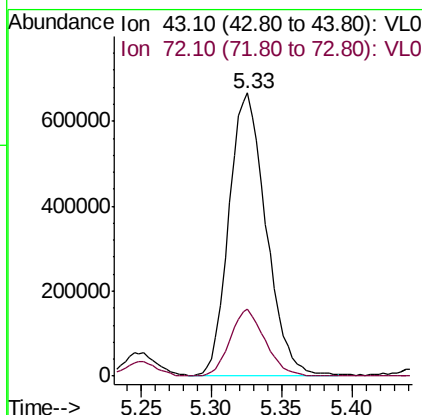
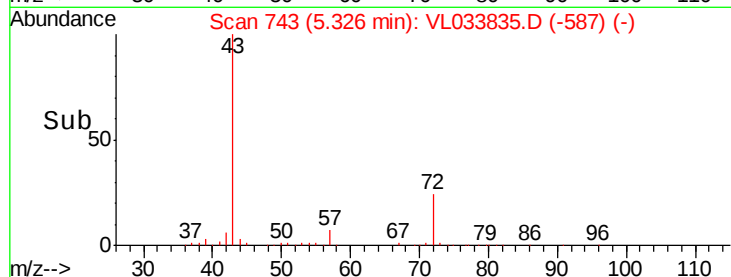
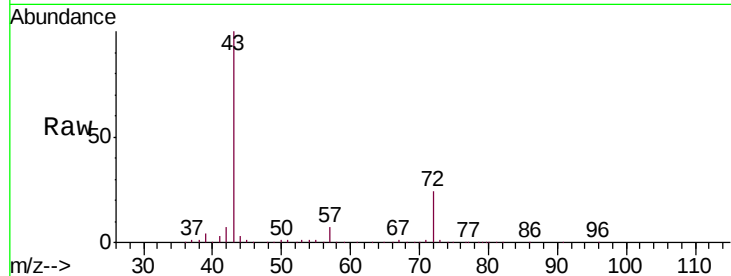




#34
2-Butanone
Concen: 9.360 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

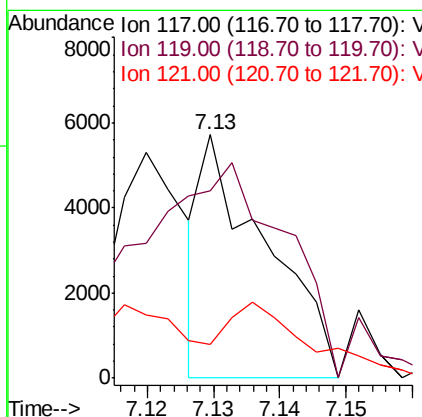
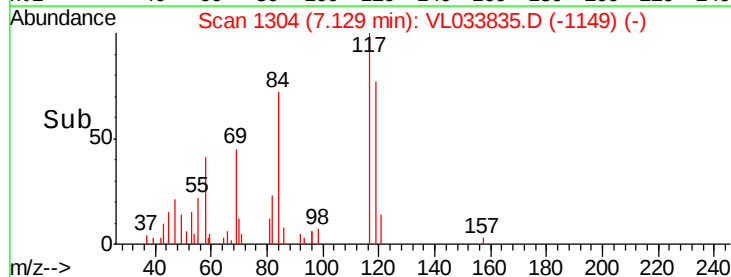
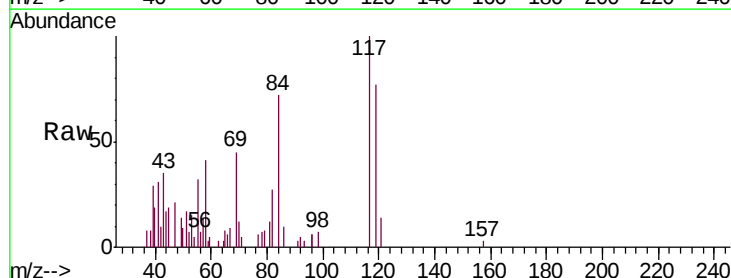
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

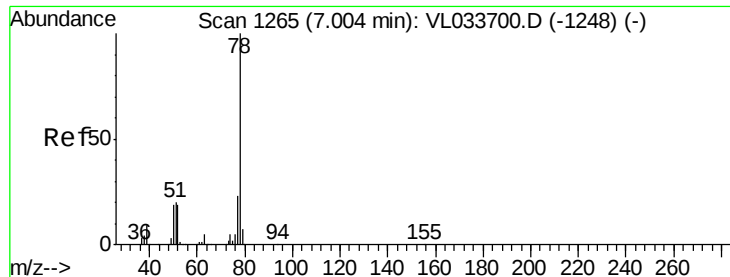
Tgt Ion: 43 Resp: 1219478
Ion Ratio Lower Upper
43 100
72 22.5 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.023 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 117 Resp: 3874
Ion Ratio Lower Upper
117 100
119 76.8 77.2 115.8#
121 1.9 24.1 36.1#

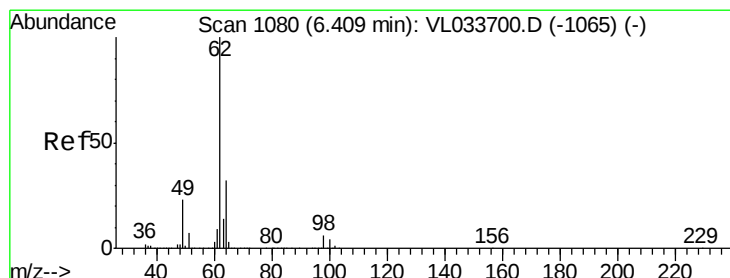
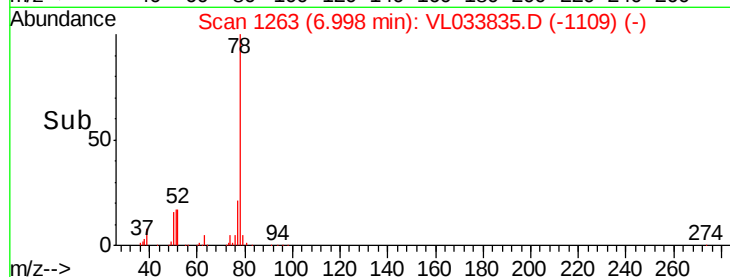
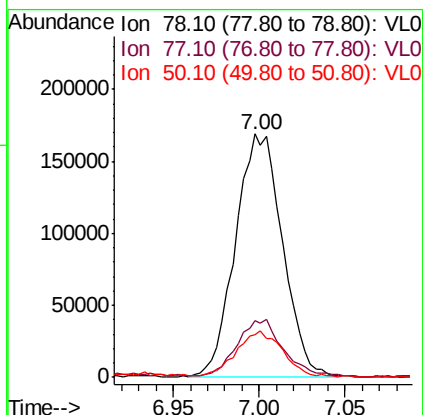
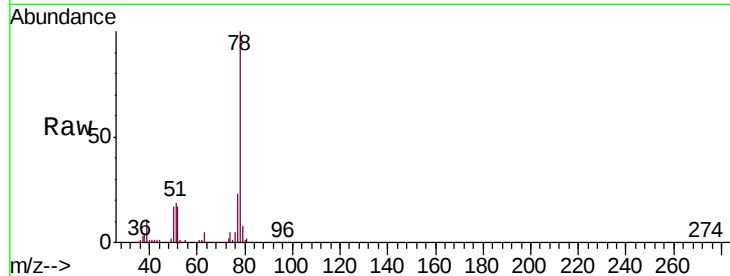




#36
Benzene
Concen: 1.685 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

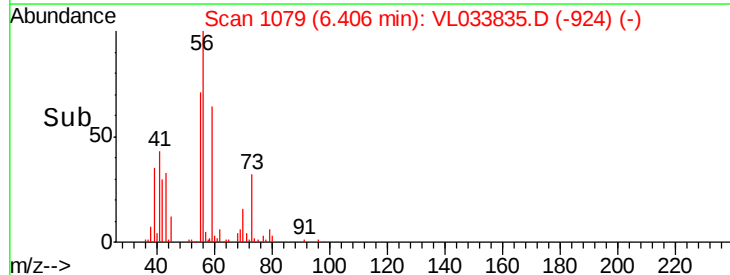
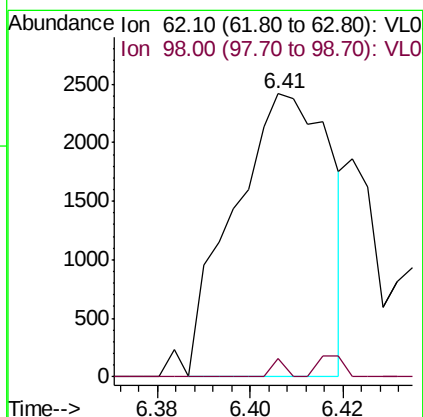
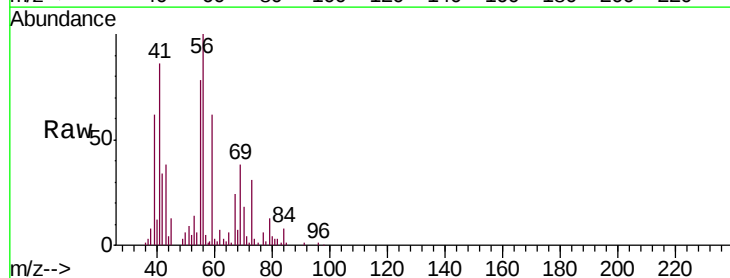
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

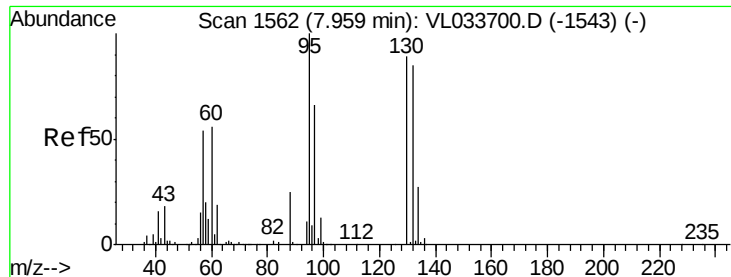
Tgt Ion: 78 Resp: 322129
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6
50 17.4 15.5 23.3



#37
1,2-Dichloroethane
Concen: 0.028 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 62 Resp: 3503
Ion Ratio Lower Upper
62 100
98 0.0 4.5 6.7#

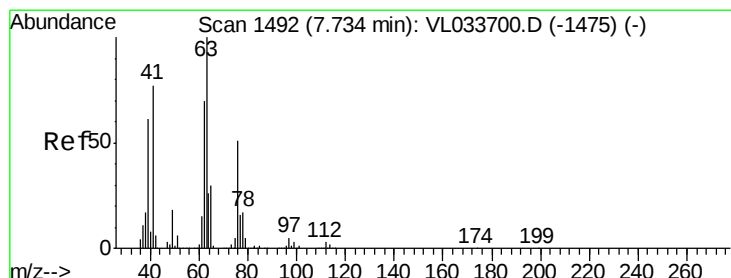
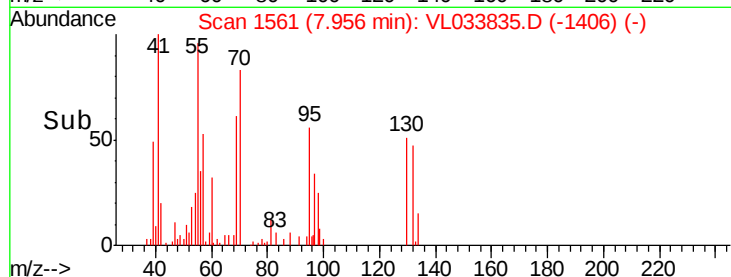
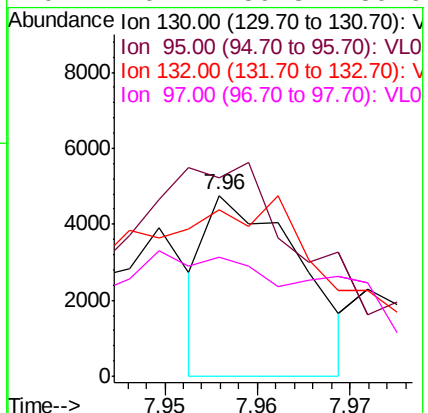
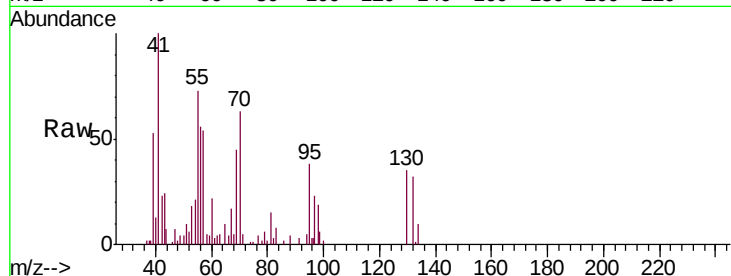




#38
 Trichloroethene
 Concen: 0.047 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

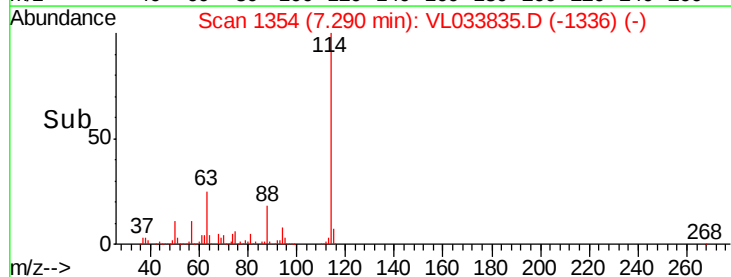
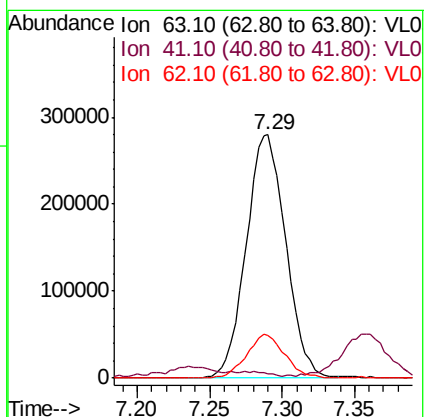
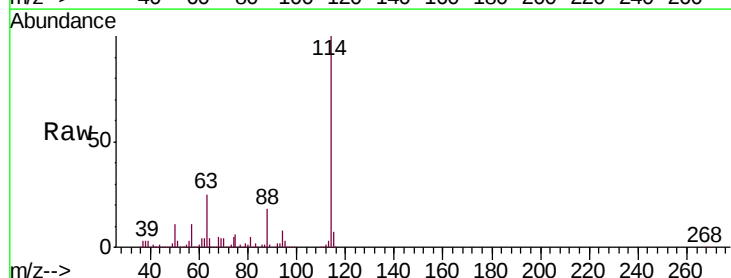
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

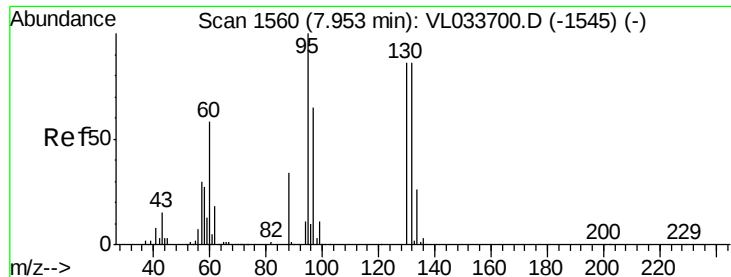
Tgt Ion:130 Resp: 3313
 Ion Ratio Lower Upper
 130 100
 95 62.7 90.2 135.4#
 132 74.7 76.4 114.6#
 97 16.4 59.8 89.6#



#39
 1,2-Dichloropropane
 Concen: 7.451 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.44 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

Tgt Ion: 63 Resp: 531137
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 17.5 56.2 84.4#

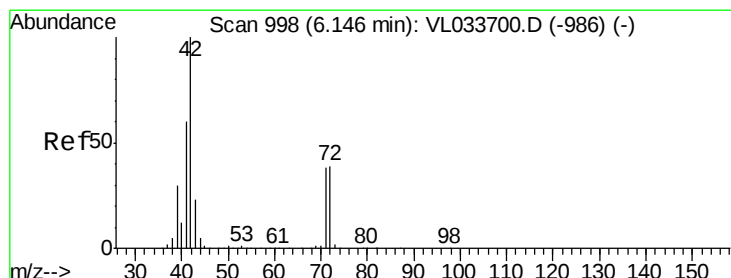
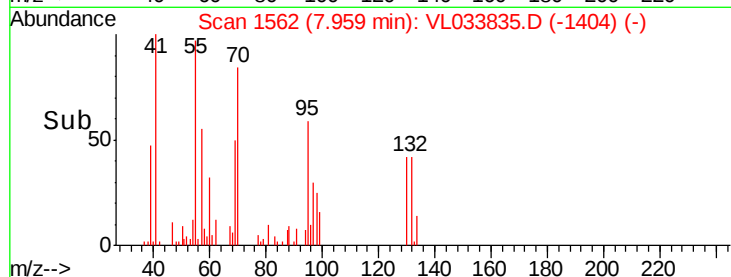
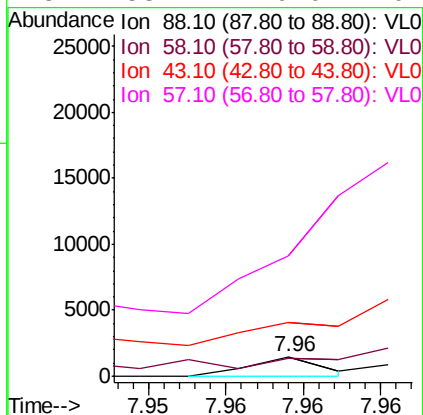
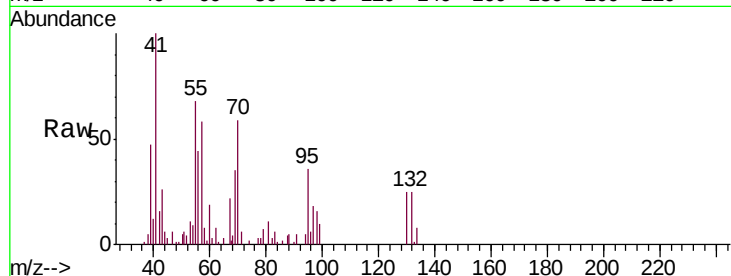




#40
1,4-Dioxane
Concen: 0.016 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

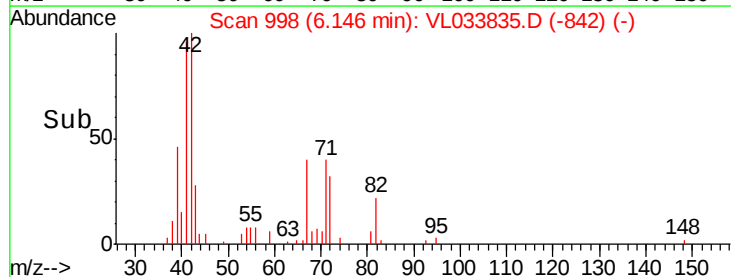
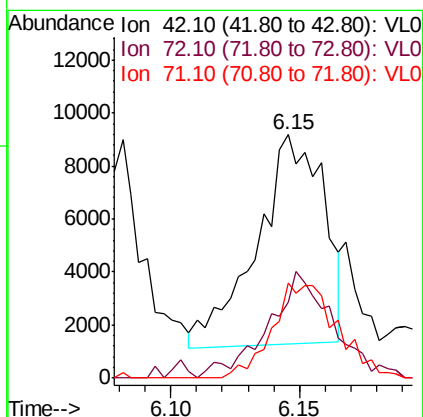
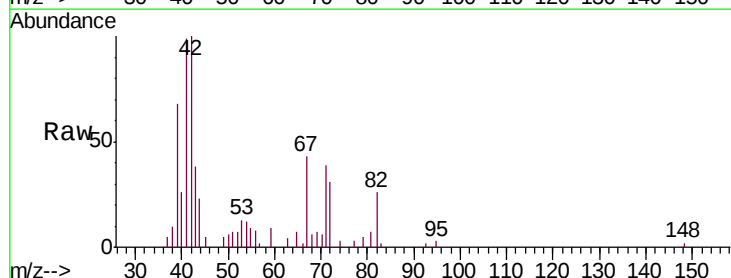
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

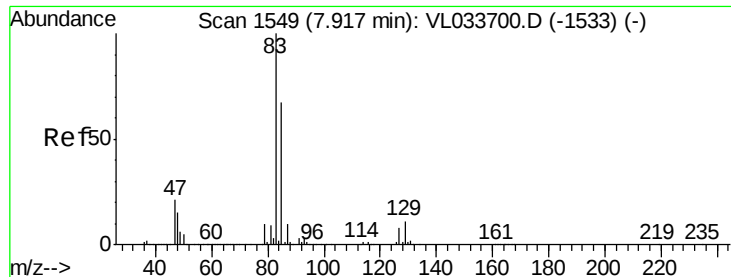
Tgt Ion: 88 Resp: 481
Ion Ratio Lower Upper
88 100
58 0.0 101.8 152.6#
43 2516.6 0.0 0.0#
57 4532.4 0.0 0.0#



#41
Tetrahydrofuran
Concen: 0.196 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 42 Resp: 14324
Ion Ratio Lower Upper
42 100
72 51.4 32.0 48.0#
71 43.6 30.4 45.6





#42

Bromodichloromethane

Concen: 0.029 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

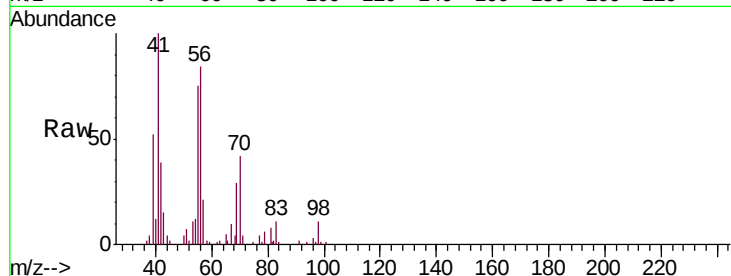
Tgt Ion: 83 Resp: 4964

Ion Ratio Lower Upper

83 100

85 0.0 53.3 79.9#

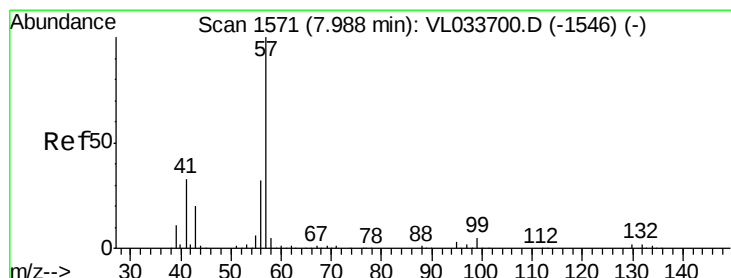
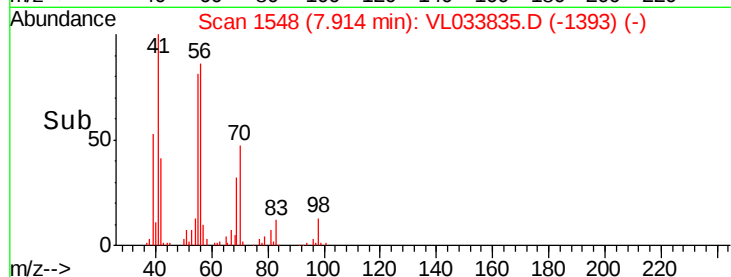
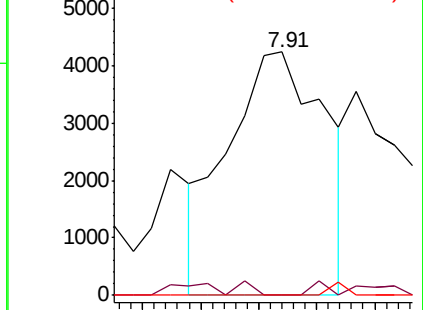
127 0.0 6.5 9.7#



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



#44

2,2,4-Trimethylpentane

Concen: 0.210 ppbv

RT: 7.98 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

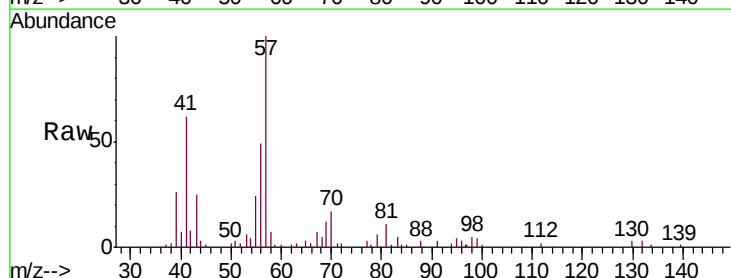
Tgt Ion: 57 Resp: 67787

Ion Ratio Lower Upper

57 100

41 69.1 25.4 38.0#

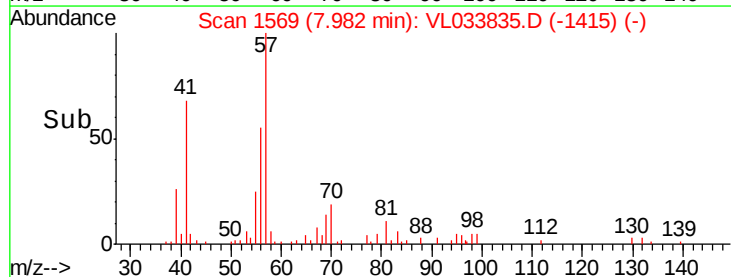
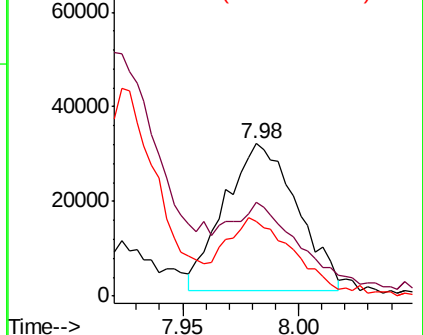
56 53.8 24.7 37.1#

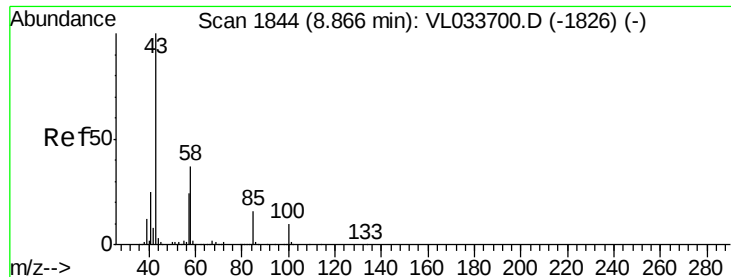


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

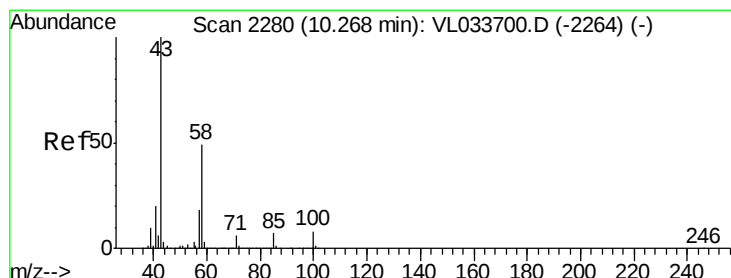
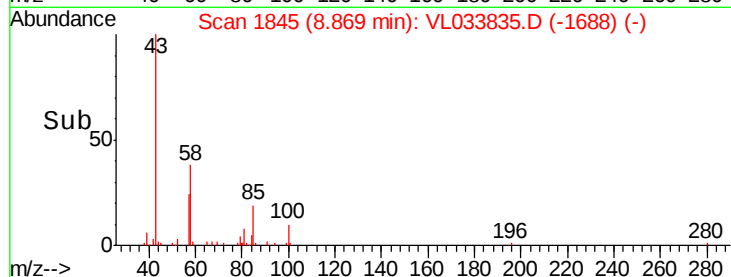
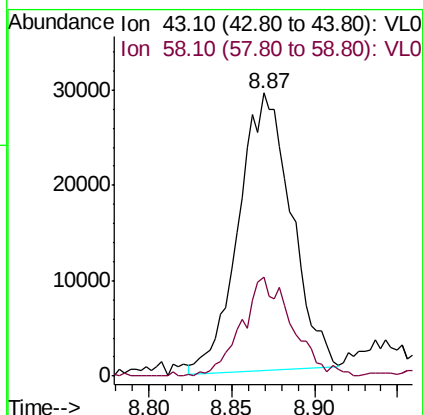
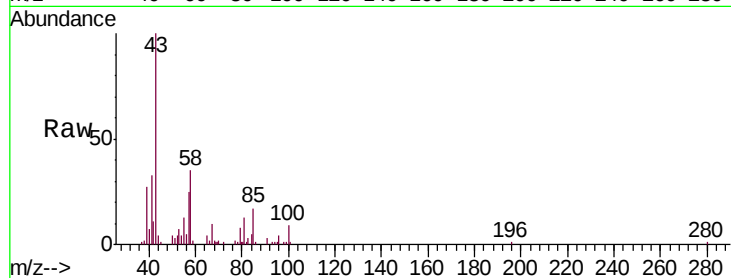




#50
 4-Methyl-2-Pentanone
 Concen: 0.321 ppbv
 RT: 8.87 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

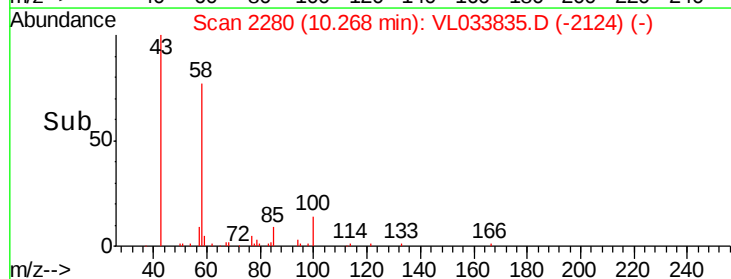
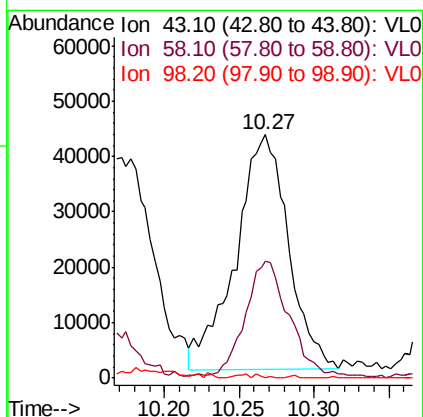
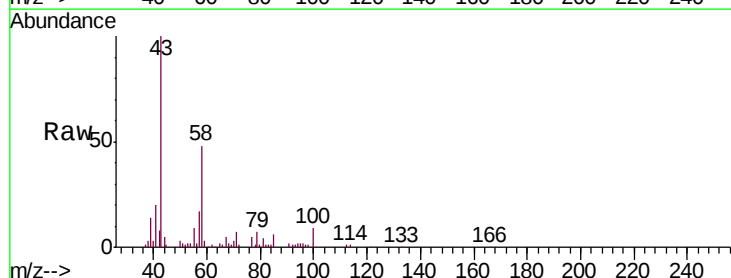
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

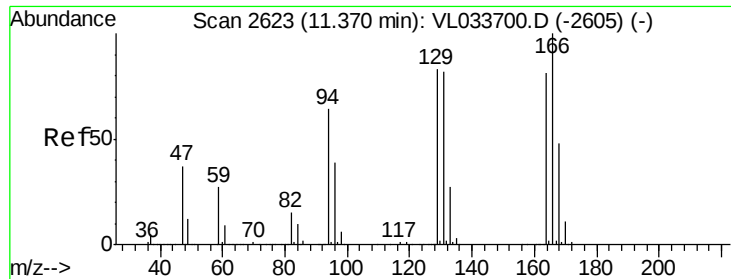
Tgt Ion: 43 Resp: 64349
 Ion Ratio Lower Upper
 43 100
 58 34.2 28.6 43.0



#51
 2-Hexanone
 Concen: 0.664 ppbv
 RT: 10.27 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

Tgt Ion: 43 Resp: 103912
 Ion Ratio Lower Upper
 43 100
 58 42.5 38.7 58.1
 98 0.6 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.120 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion:164 Resp: 8062

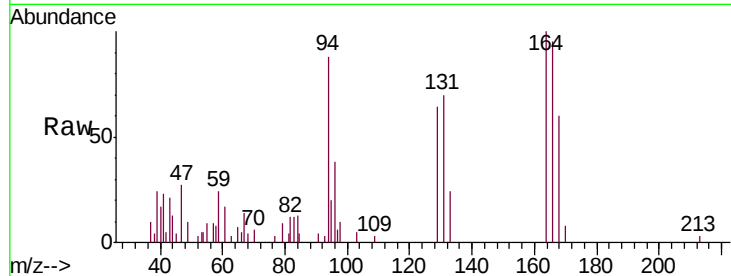
Ion Ratio Lower Upper

164 100

166 95.2 98.9 148.3#

129 64.4 81.8 122.6#

131 61.8 81.1 121.7#

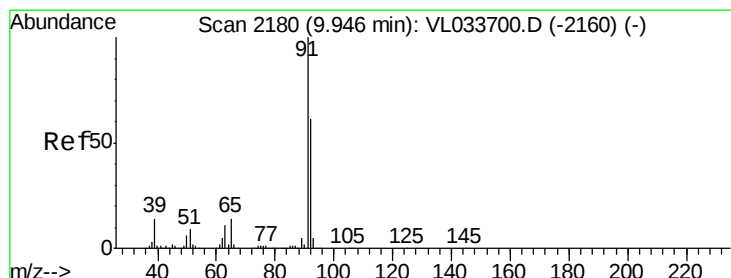
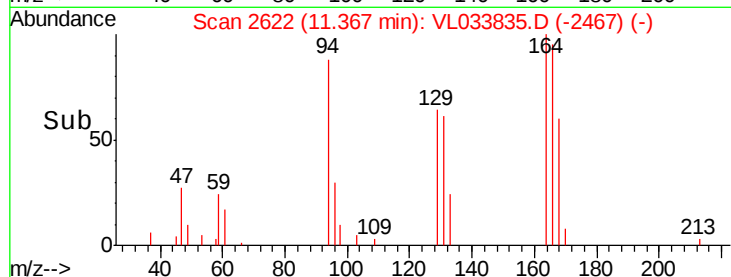
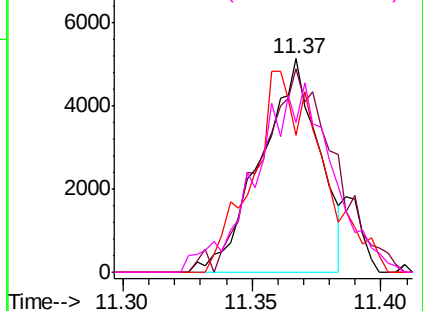


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 10.406 ppbv

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033835.D

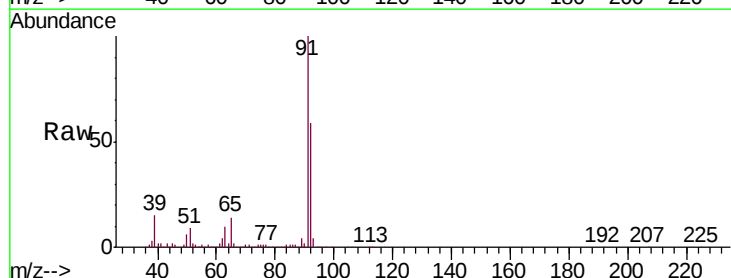
Acq: 29 May 2019 12:50

Tgt Ion: 91 Resp: 2145969

Ion Ratio Lower Upper

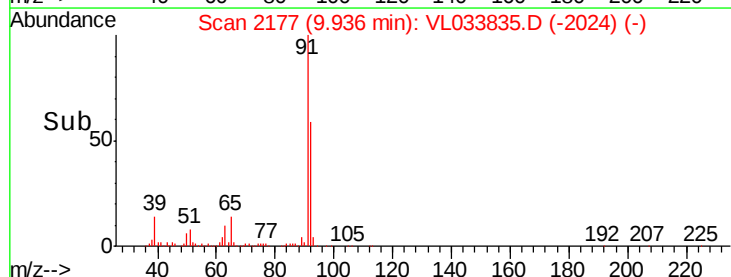
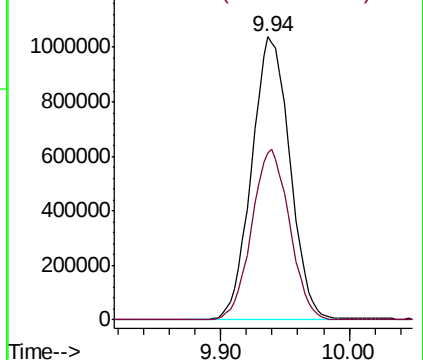
91 100

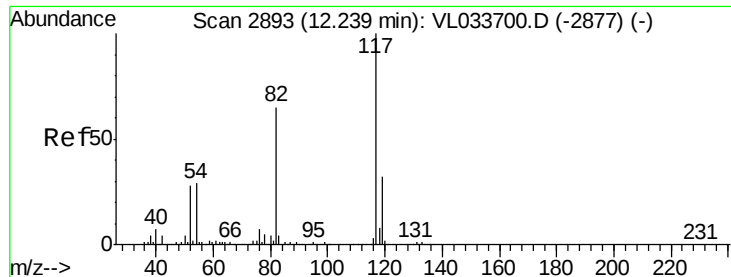
92 59.9 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

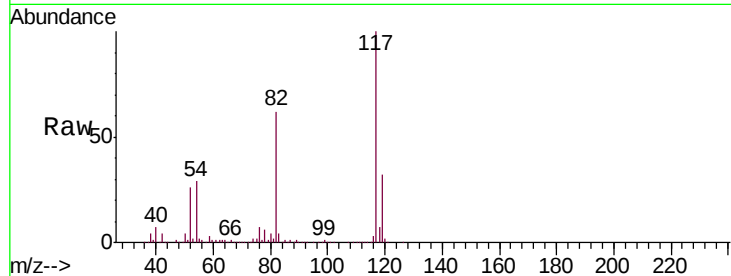




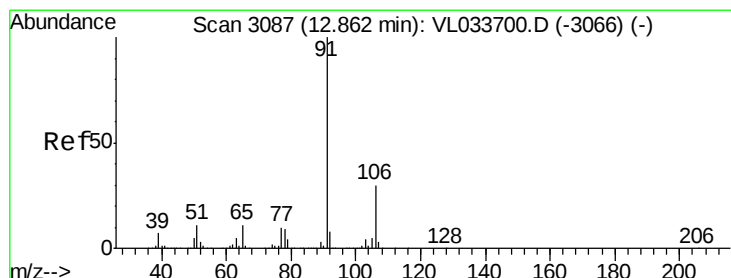
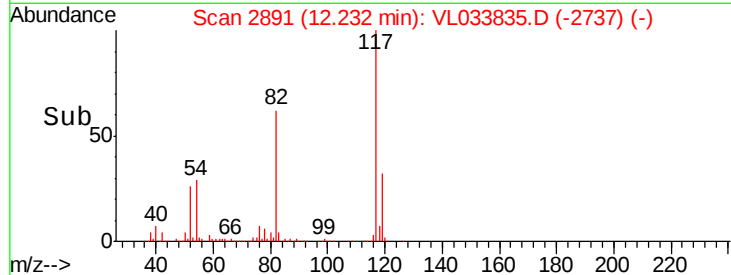
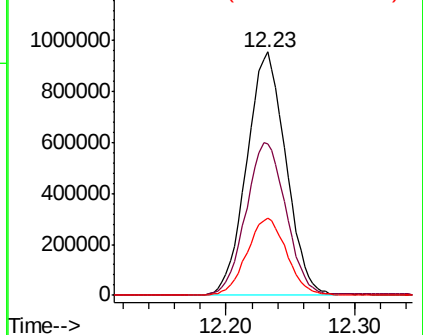
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

Tgt Ion: 117 Resp: 2024052
Ion Ratio Lower Upper
117 100
82 64.4 49.4 74.0
119 32.3 24.9 37.3

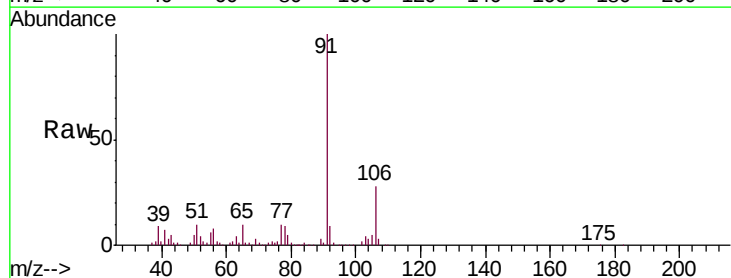


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

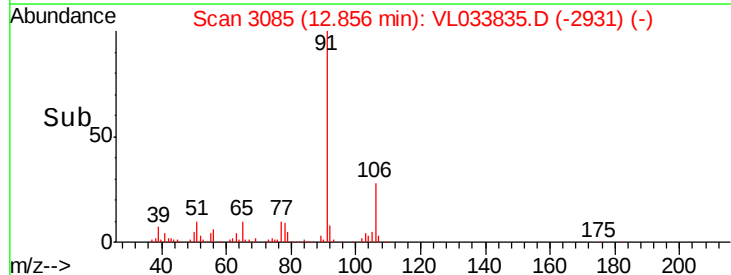
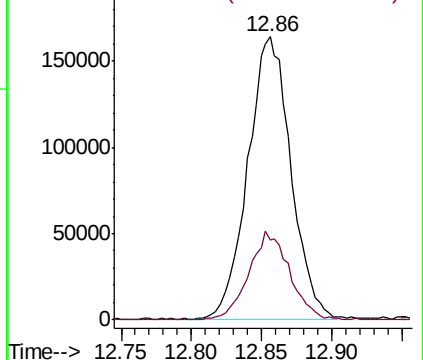


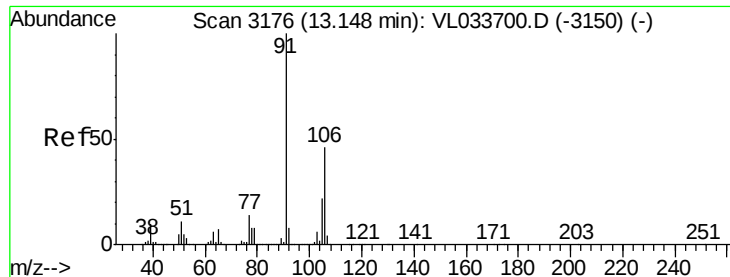
#58
Ethyl Benzene
Concen: 1.300 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 91 Resp: 348333
Ion Ratio Lower Upper
91 100
106 28.2 23.9 35.9



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

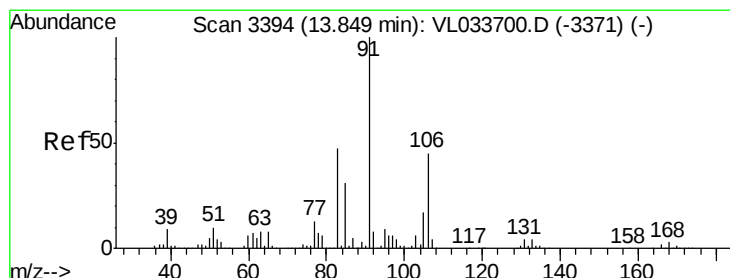
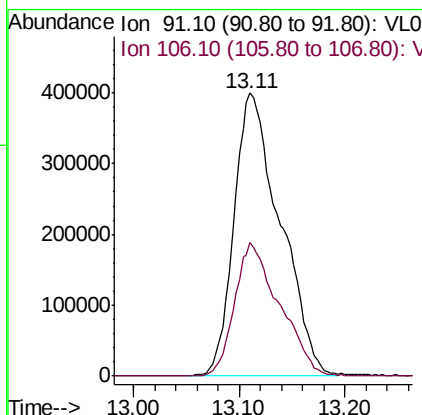
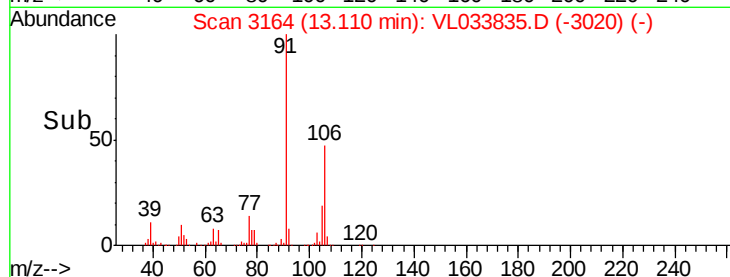
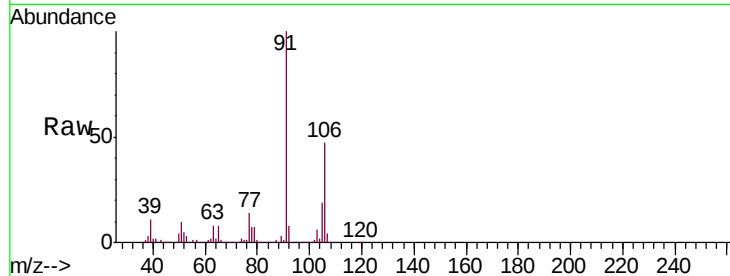




#59
m/p-Xylene
Concen: 5.175 ppbv
RT: 13.11 min Scan# 3164
Delta R.T. -0.04 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

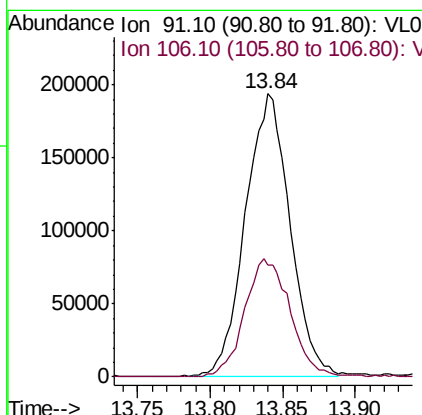
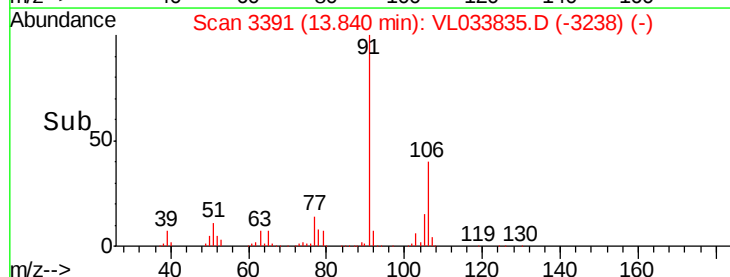
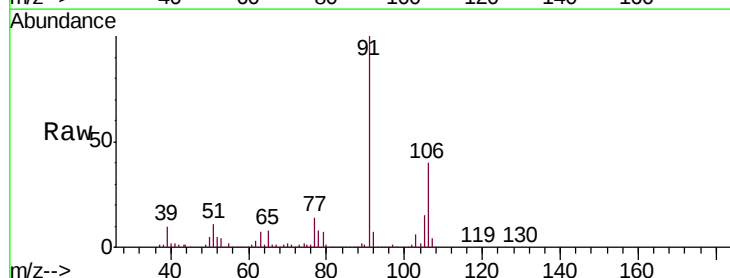
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

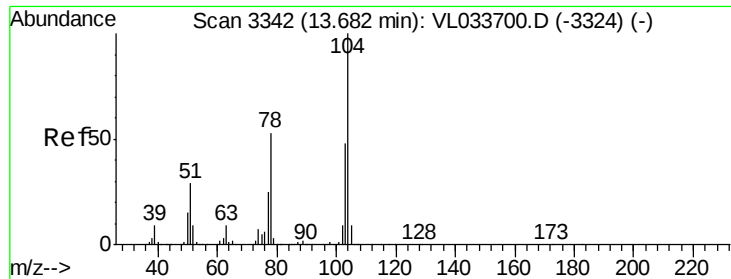
Tgt Ion: 91 Resp: 1212482
Ion Ratio Lower Upper
91 100
106 45.9 35.8 53.6



#60
o-Xylene
Concen: 1.759 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 91 Resp: 415433
Ion Ratio Lower Upper
91 100
106 43.0 21.6 64.8





#61

Styrene

Concen: 0.061 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

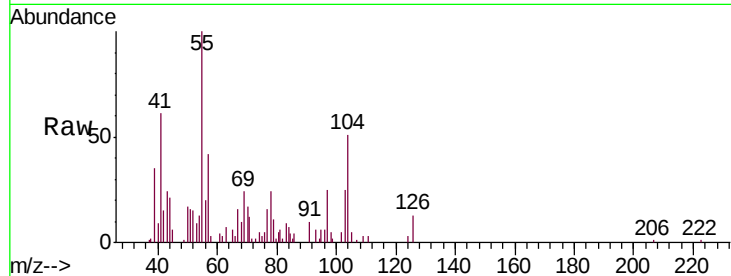
Tgt Ion:104 Resp: 9666

Ion Ratio Lower Upper

104 100

78 93.6 42.6 64.0#

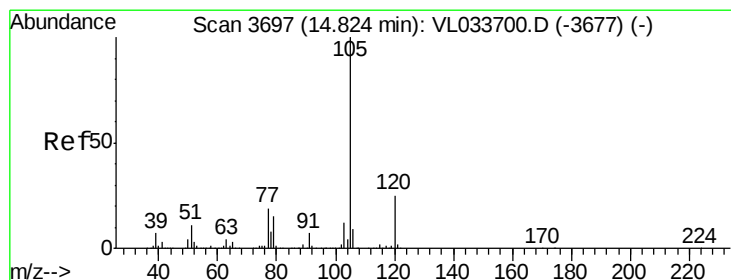
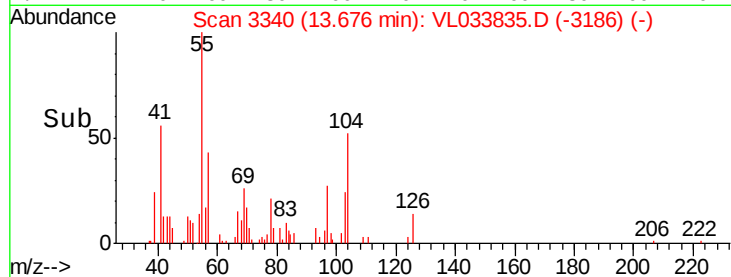
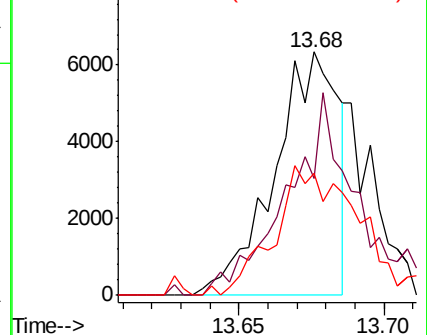
103 71.9 37.8 56.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.069 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033835.D

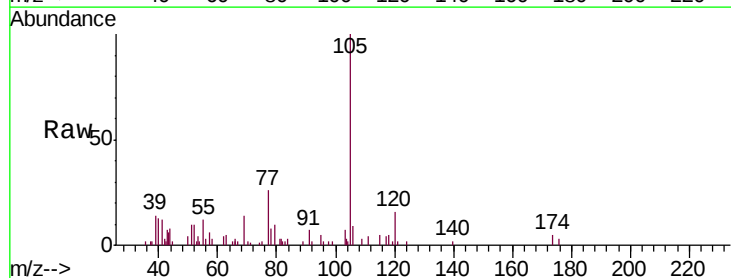
Acq: 29 May 2019 12:50

Tgt Ion:105 Resp: 21826

Ion Ratio Lower Upper

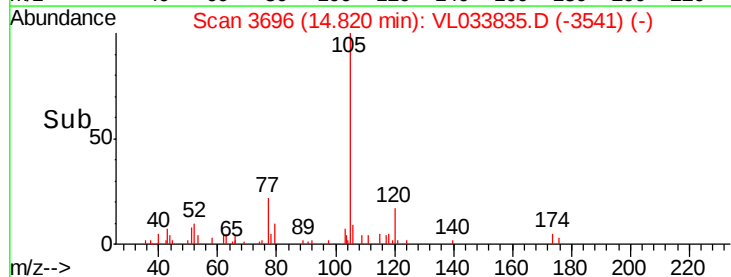
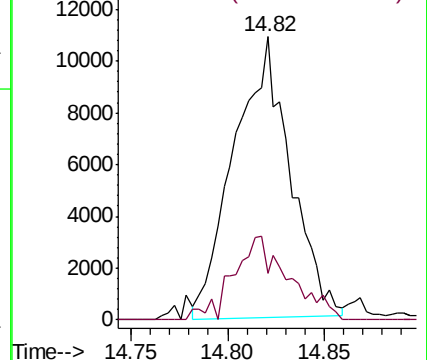
105 100

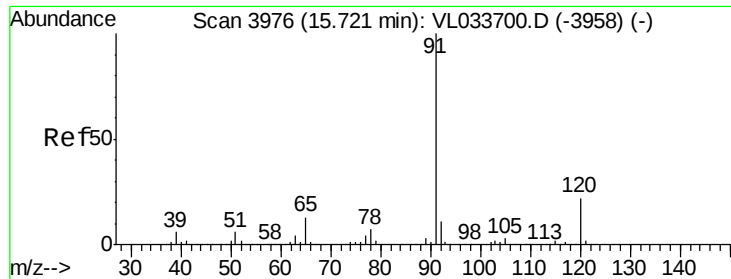
120 29.6 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.124 ppbv

RT: 15.71 min Scan# 3972

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

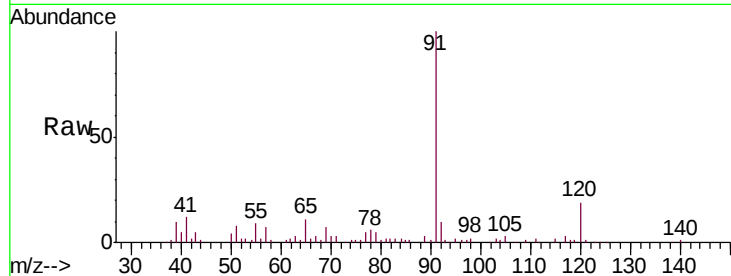
BPS1-SG-3010-55

Tgt Ion:120 Resp: 10184

Ion Ratio Lower Upper

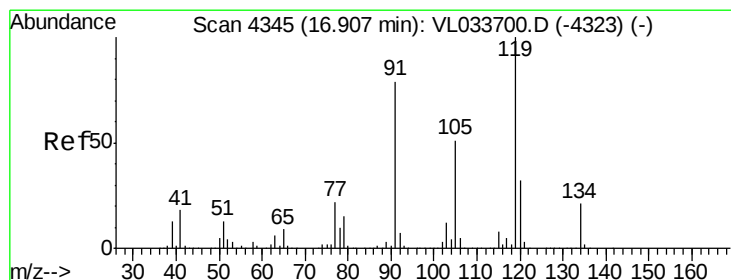
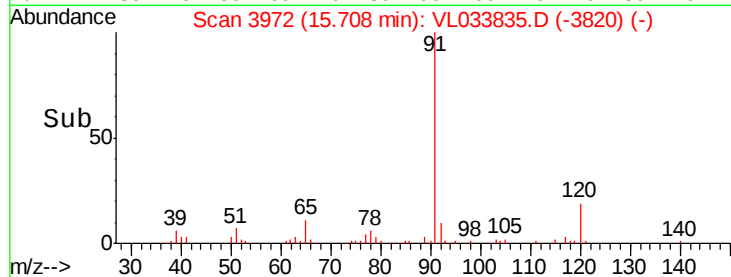
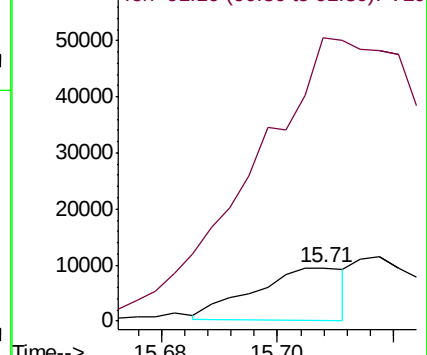
120 100

91 1194.1 379.1 568.7#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.210 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

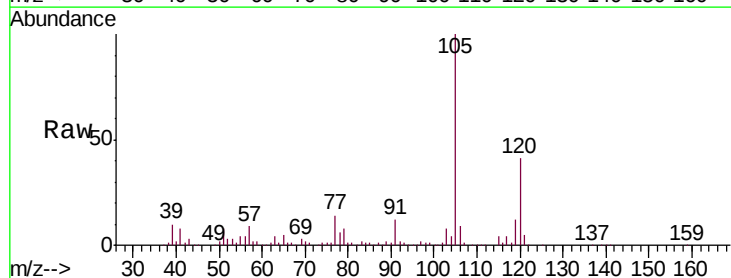
Tgt Ion:119 Resp: 60942

Ion Ratio Lower Upper

119 100

91 126.4 65.3 97.9#

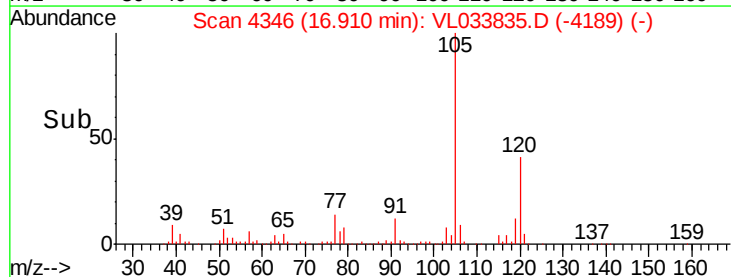
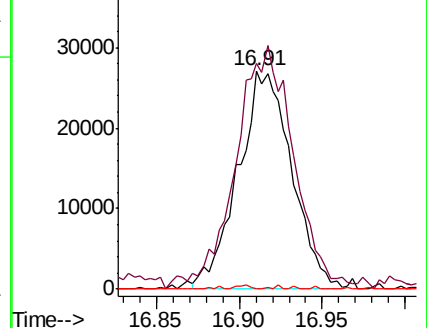
134 0.6 15.7 23.5#

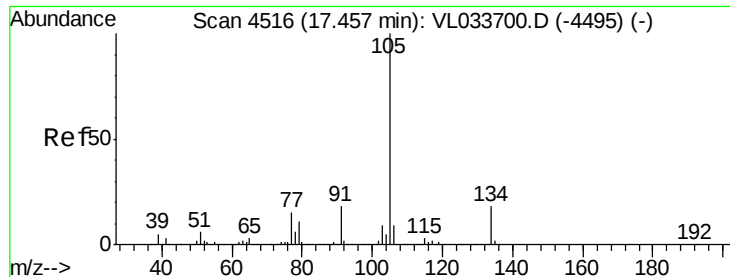


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

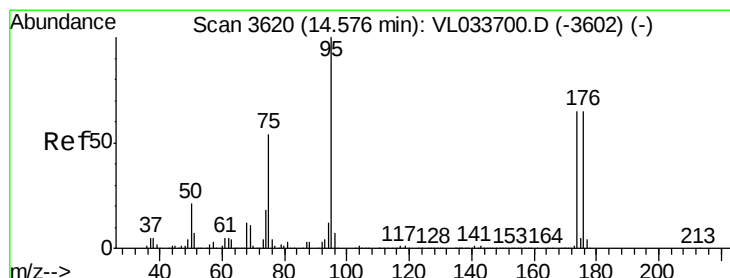
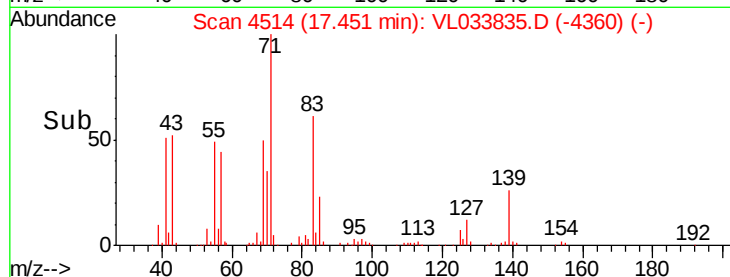
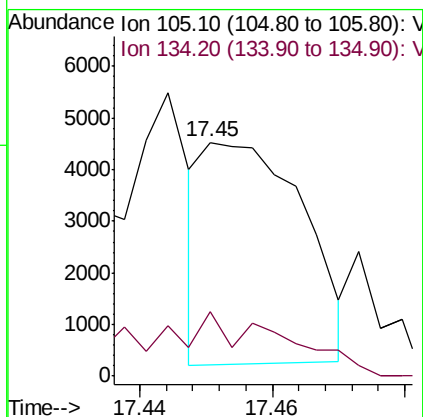
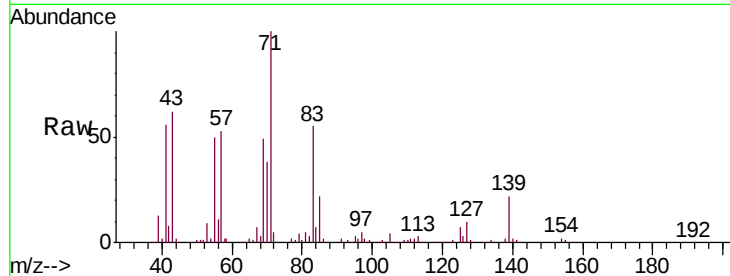




#67
 sec-Butylbenzene
 Concen: 0.011 ppbv
 RT: 17.45 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

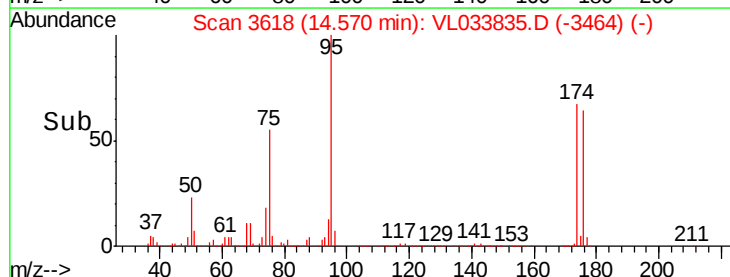
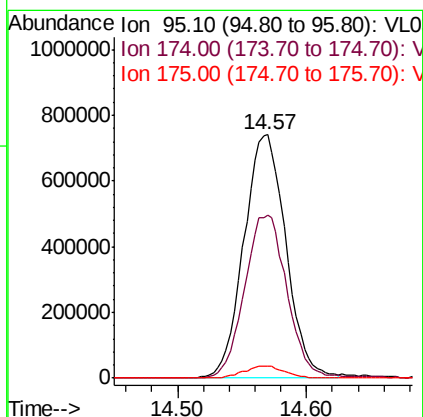
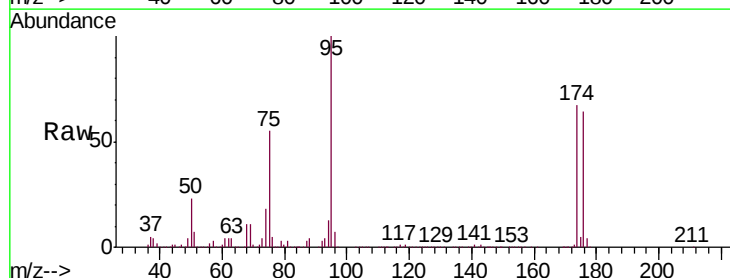
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3010-55

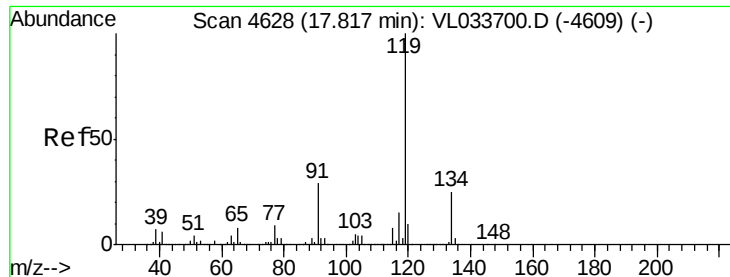
Tgt Ion: 105 Resp: 4518
 Ion Ratio Lower Upper
 105 100
 134 49.2 14.6 22.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.259 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033835.D
 Acq: 29 May 2019 12:50

Tgt Ion: 95 Resp: 1683424
 Ion Ratio Lower Upper
 95 100
 174 68.3 53.9 80.9
 175 4.9 3.8 5.8

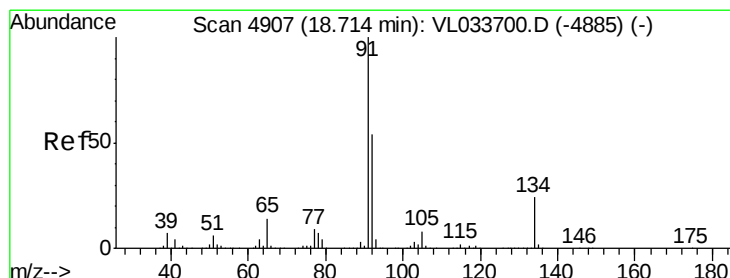
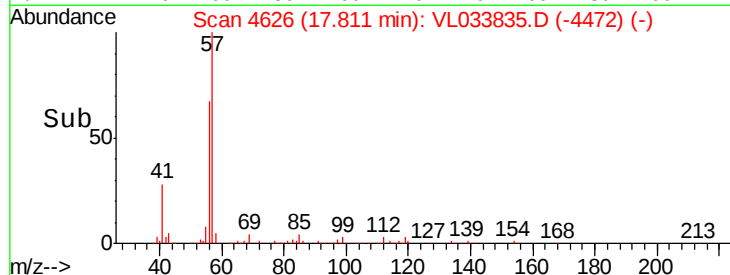
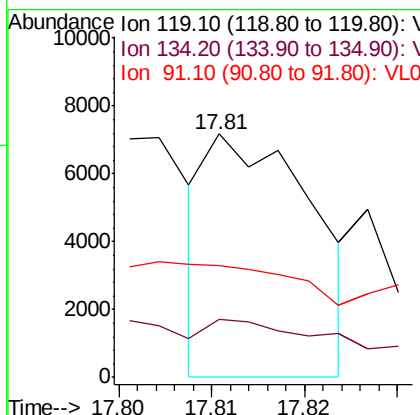
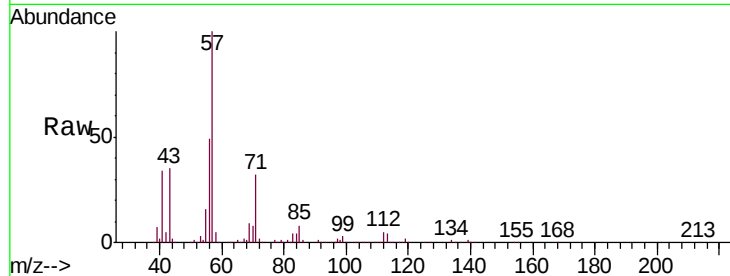




#69
p-Isopropyltoluene
Concen: 0.017 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

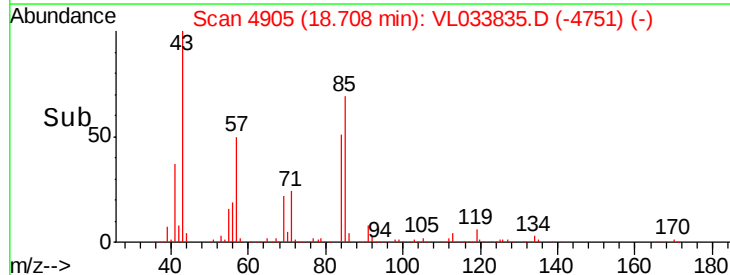
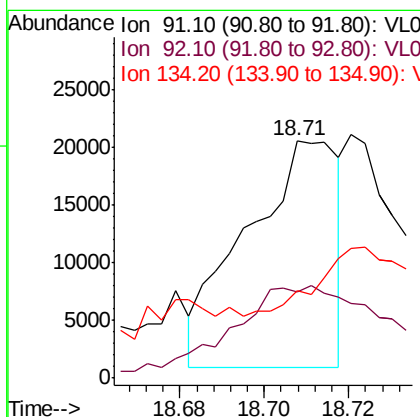
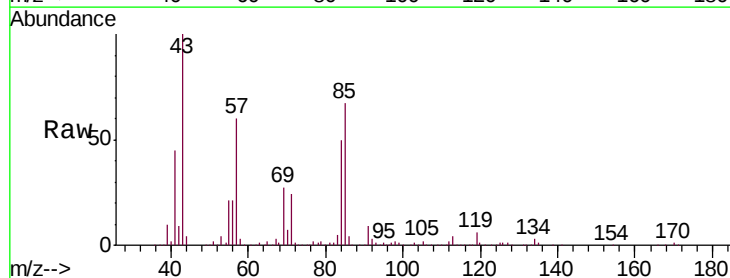
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3010-55

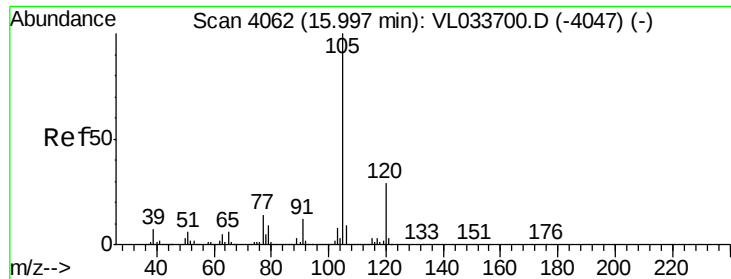
Tgt Ion: 119 Resp: 5651
Ion Ratio Lower Upper
119 100
134 0.0 20.3 30.5#
91 0.0 23.1 34.7#



#70
n-Butylbenzene
Concen: 0.082 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033835.D
Acq: 29 May 2019 12:50

Tgt Ion: 91 Resp: 29721
Ion Ratio Lower Upper
91 100
92 76.1 42.6 63.8#
134 0.0 18.1 27.1#





#72

4-Ethyltoluene

Concen: 0.562 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

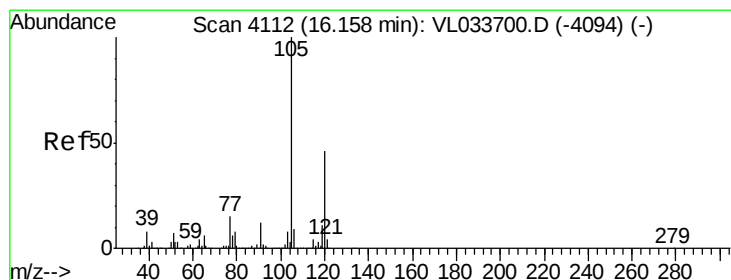
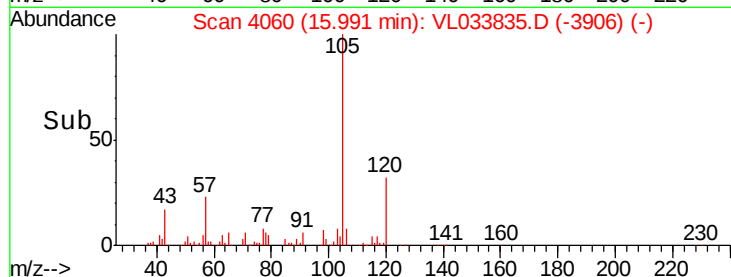
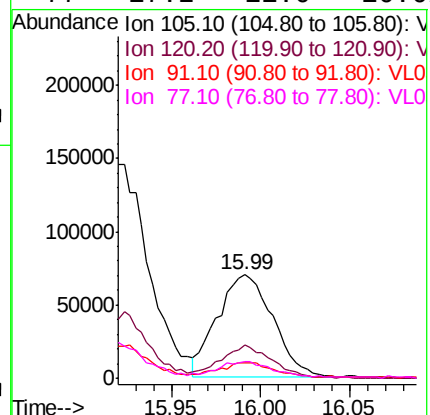
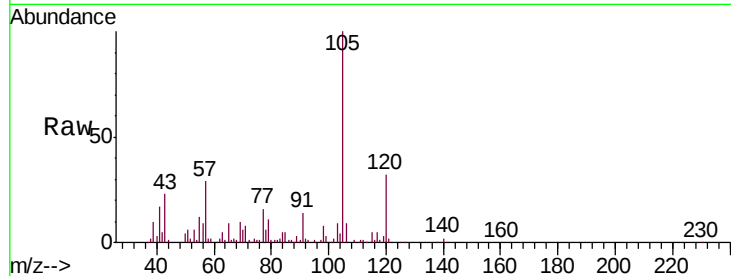
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion:	105	Resp:	151662
Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.1	34.7
91	16.1	10.4	15.6
77	17.2	11.0	16.6



#73

1,3,5-Trimethylbenzene

Concen: 0.323 ppbv

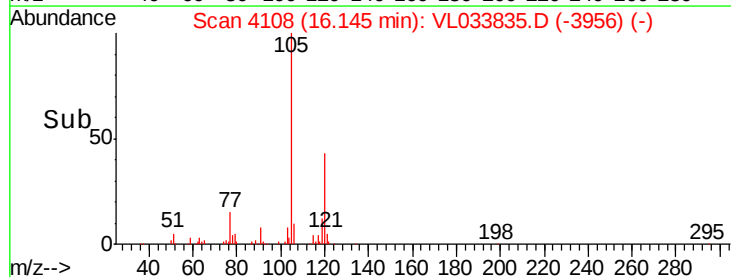
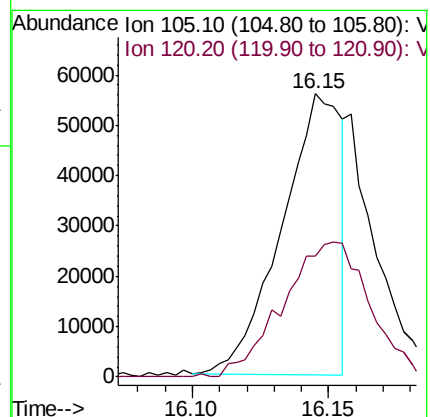
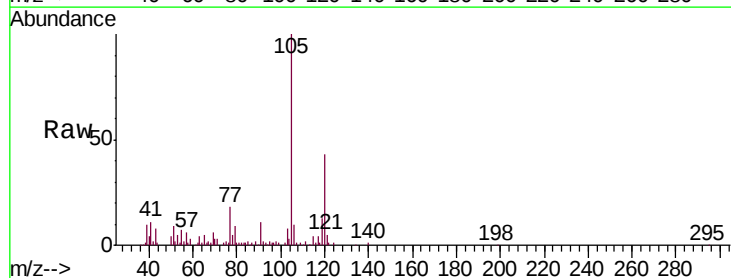
RT: 16.15 min Scan# 4108

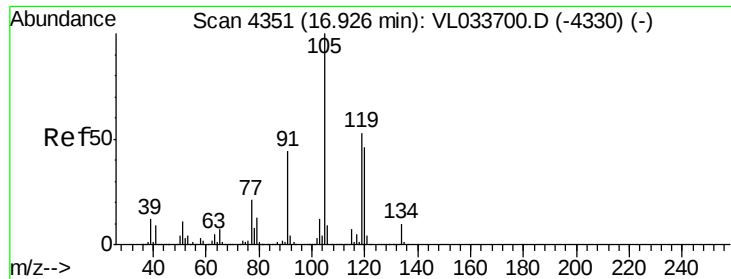
Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Tgt Ion:	105	Resp:	85010
Ion	Ratio	Lower	Upper
105	100		
120	42.7	37.0	55.4





#74

1,2,4-Trimethylbenzene

Concen: 1.981 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

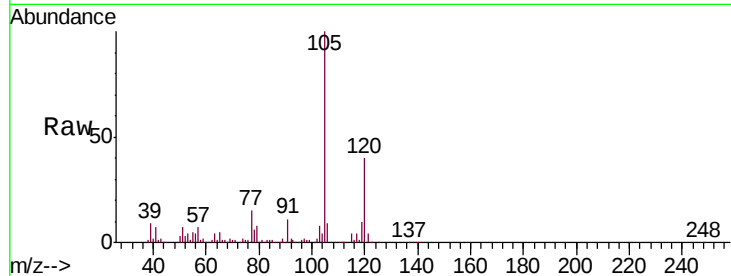
Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

Tgt Ion:	105	Resp:	568060
Ion	Ratio	Lower	Upper
105	100		
120	40.4	36.8	55.2
91	10.8	35.4	53.0#
77	14.6	16.8	25.2#

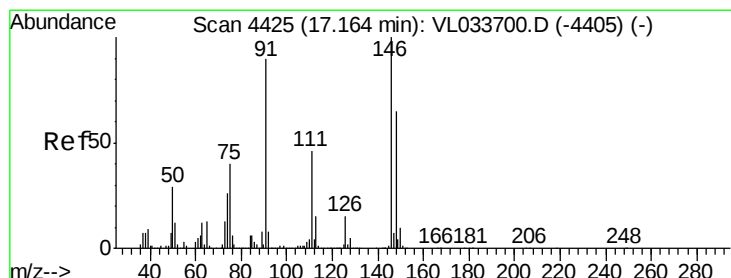
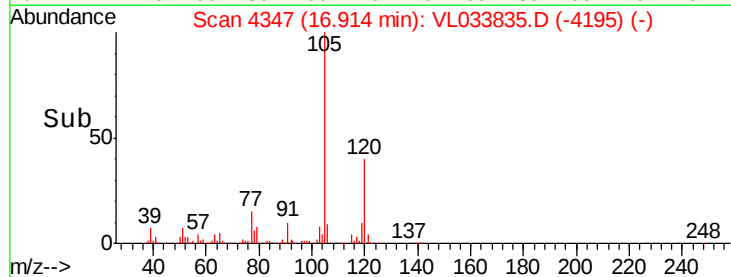
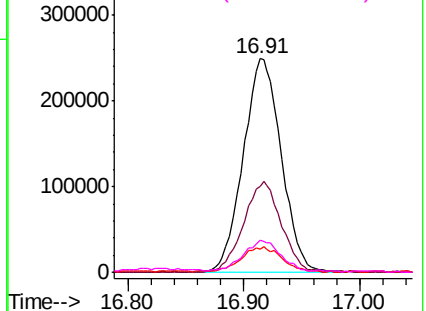


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.299 ppbv

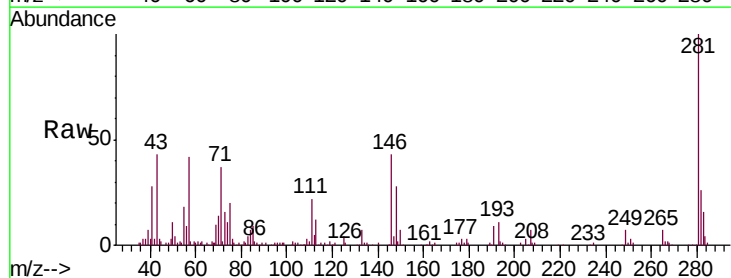
RT: 17.15 min Scan# 4421

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

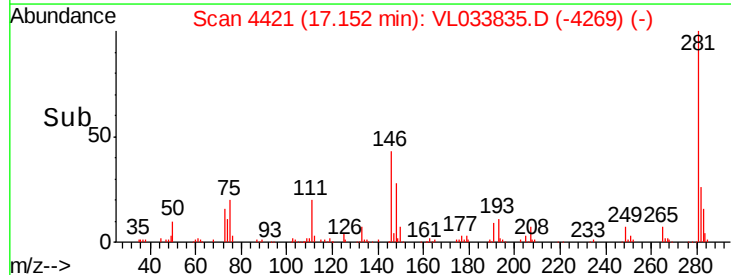
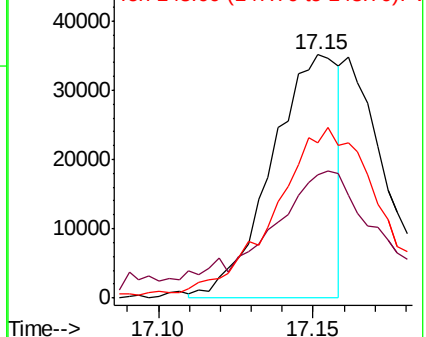
Tgt Ion:	146	Resp:	52536
Ion	Ratio	Lower	Upper
146	100		
111	101.4	22.9	68.8#
148	113.0	32.0	96.2#

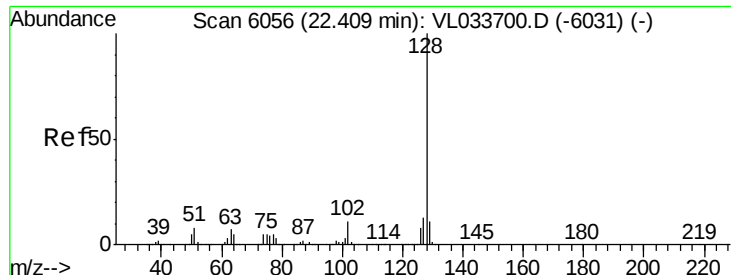


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.199 ppbv

RT: 22.40 min Scan# 6052

Delta R.T. -0.01 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3010-55

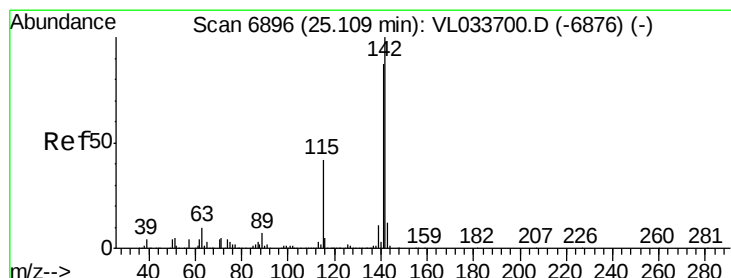
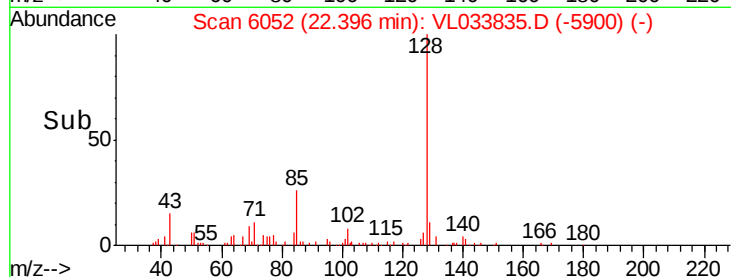
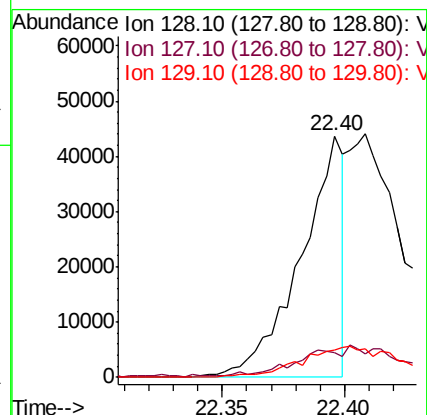
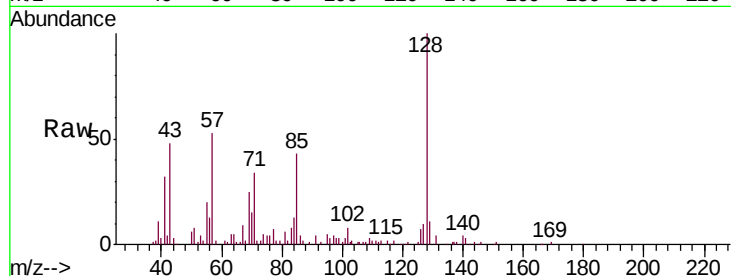
Tgt Ion:128 Resp: 53090

Ion Ratio Lower Upper

128 100

127 9.4 10.6 16.0#

129 11.1 8.9 13.3



#80

Naphthalene, 2-methyl-

Concen: 0.049 ppbv

RT: 25.42 min Scan# 6994

Delta R.T. 0.32 min

Lab File: VL033835.D

Acq: 29 May 2019 12:50

Tgt Ion:142 Resp: 4997

Ion Ratio Lower Upper

142 100

141 87.4 67.2 100.8

115 46.8 34.1 51.1

