

Data File : VL033788.D

Acq On : 24 May 2019 00:43

Operator : SY/AP

Sample : K2929-04

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

Quant Time: May 24 04:31:10 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	888011	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2419066	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2535225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1981022	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	88107	0.471	ppbv	94
3) Chlorodifluoromethane	2.98	51	84106	0.827	ppbv #	72
4) Chloromethane	3.17	50	9891	0.170	ppbv #	86
5) Vinyl Chloride	3.46	62	1050	0.018	ppbv #	42
6) Bromomethane	3.51	94	400	0.011	ppbv #	35
9) Propene	3.03	41	5303910	122.592	ppbv	96
10) Heptane	8.24	43	303211	2.475	ppbv	98
11) Trichlorofluoromethane	4.00	101	144402	0.808	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	19230	0.154	ppbv	100
13) Ethanol	3.66	45	1375045	98.331	ppbv	98
15) Acetone	3.89	43	10036349	81.459	ppbv #	81
16) 1,3-Butadiene	3.34	39	2963682	60.405	ppbv #	26
17) tert-Butyl alcohol	4.36	59	420296	4.219	ppbv	98
19) Isopropyl Alcohol	4.03	45	452170	5.692	ppbv #	94
20) Methylene Chloride	4.41	84	75815	1.598	ppbv #	89
21) Allyl Chloride	4.46	41	96076	1.250	ppbv #	1
23) Vinyl Acetate	5.14	43	223755	1.377	ppbv #	1
24) 1,1-Dichloroethane	5.12	63	2072	0.017	ppbv #	90
25) Ethyl Acetate	5.76	43	2658285	12.282	ppbv #	93
26) Hexane	5.78	57	435635	4.682	ppbv #	1
27) Carbon Disulfide	4.62	76	251218	1.968	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	5631	0.037	ppbv #	1
29) Chloroform	5.85	83	73812	0.431	ppbv	92
30) Cyclohexane	7.25	84	17967	0.230	ppbv #	1
31) cis-1,2-Dichloroethene	5.76	61	317943	3.446	ppbv #	25
32) 1,1,1-Trichloroethane	6.62	97	12860	0.075	ppbv	98
34) 2-Butanone	5.32	43	2759148	18.401	ppbv	97
36) Benzene	7.00	78	500767	2.276	ppbv	99
39) 1,2-Dichloropropane	7.29	63	569263	6.939	ppbv #	22
40) 1,4-Dioxane	7.95	88	682	0.020	ppbv #	1
41) Tetrahydrofuran	6.15	42	12550	0.149	ppbv #	36
42) Bromodichloromethane	7.92	83	6998	0.036	ppbv #	40
43) Methyl Methacrylate	8.13	69	11139	0.138	ppbv #	1
44) 2,2,4-Trimethylpentane	7.98	57	100109	0.269	ppbv #	45
50) 4-Methyl-2-Pentanone	8.87	43	148075	0.642	ppbv	98
51) 2-Hexanone	10.26	43	262635	1.459	ppbv #	93
52) Tetrachloroethene	11.36	164	1894	0.024	ppbv #	48
53) Toluene	9.94	91	3911640	16.481	ppbv	99
58) Ethyl Benzene	12.86	91	389320	1.160	ppbv	96
59) m/p-Xylene	13.11	91	1054976	3.595	ppbv	97
60) o-Xylene	13.84	91	352407	1.191	ppbv	96

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

Data File : VL033788.D
Acq On : 24 May 2019 00:43
Operator : SY/AP
Sample : K2929-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

Quant Time: May 24 04:31:10 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)
61) Styrene	13.68	104	24362	0.122	ppbv	93
62) Isopropylbenzene	14.82	105	39267	0.099	ppbv	97
64) n-propylbenzene	15.71	120	9571	0.093	ppbv #	1
65) tert-Butylbenzene	16.91	119	14677	0.040	ppbv #	15
72) 4-Ethyltoluene	15.99	105	95435	0.282	ppbv	94
73) 1,3,5-Trimethylbenzene	16.15	105	56070	0.170	ppbv	97
74) 1,2,4-Trimethylbenzene	16.91	105	183966	0.512	ppbv #	70
75) 1,3-Dichlorobenzene	17.15	146	12110	0.055	ppbv #	1
76) 1,4-Dichlorobenzene	17.30	146	6483	0.031	ppbv #	17

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

Data File : VL033788.D

Acq On : 24 May 2019 00:43

Operator : SY/AP

Sample : K2929-04

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

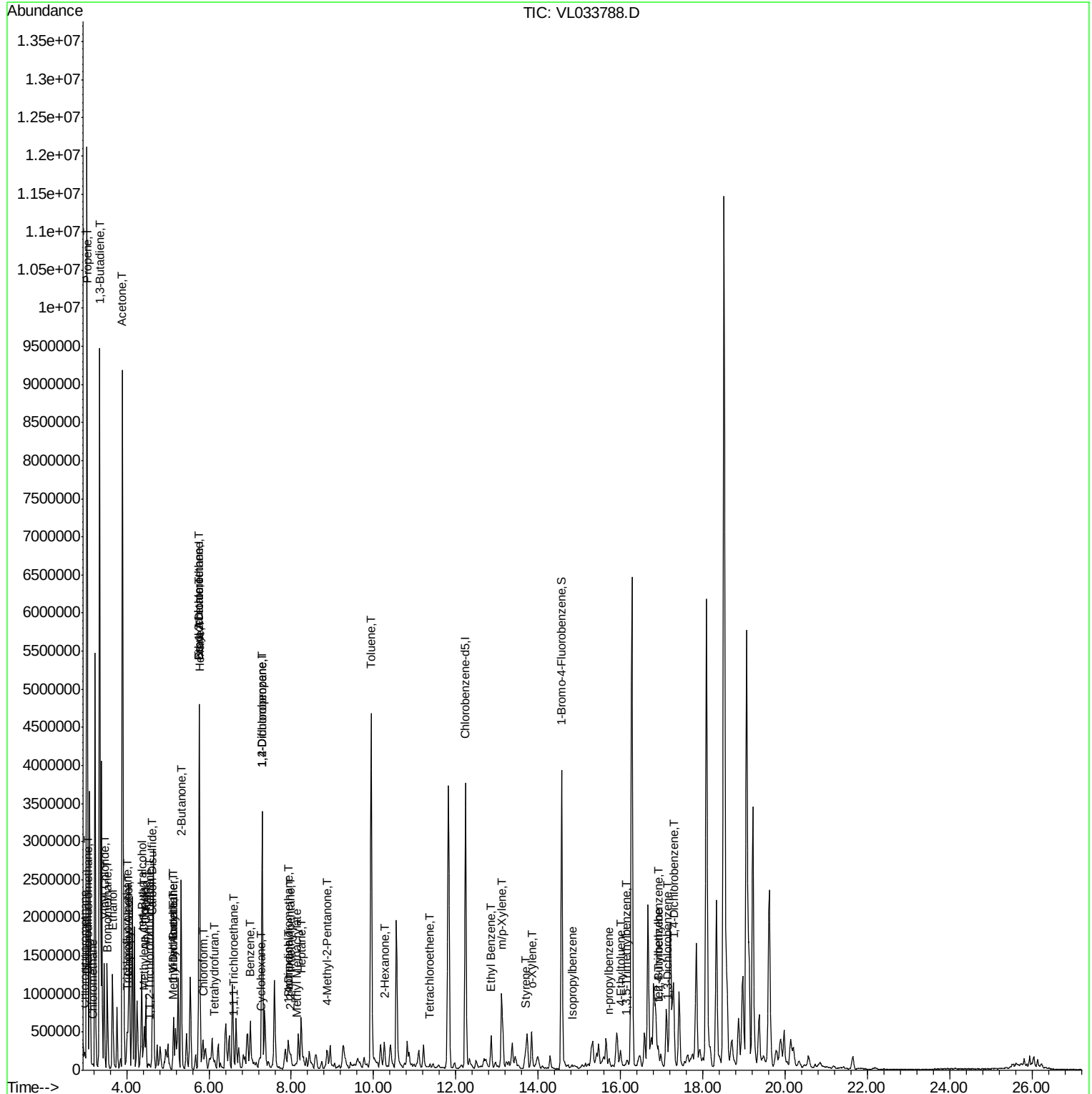
Quant Time: May 24 04:31:10 2019

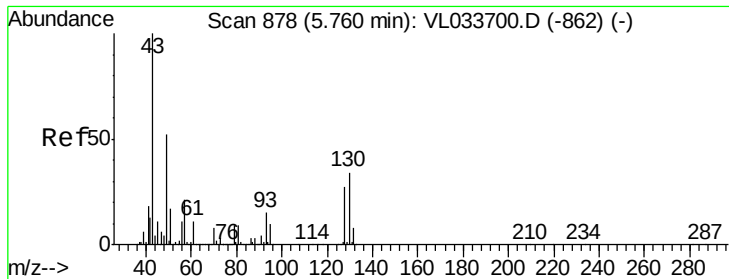
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

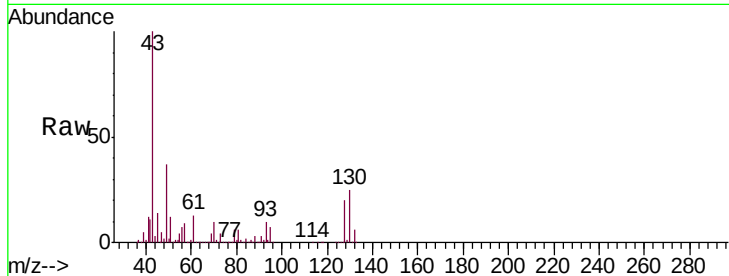
Tgt Ion: 49 Resp: 888011

Ion Ratio Lower Upper

49 100

128 53.2 25.2 75.6

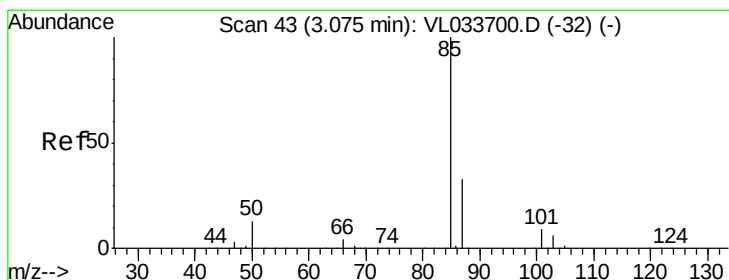
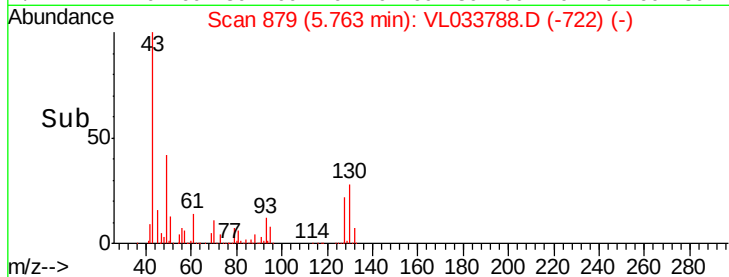
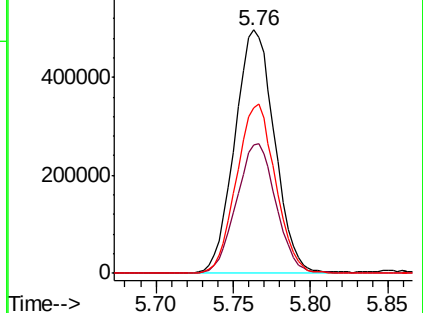
130 68.4 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.471 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033788.D

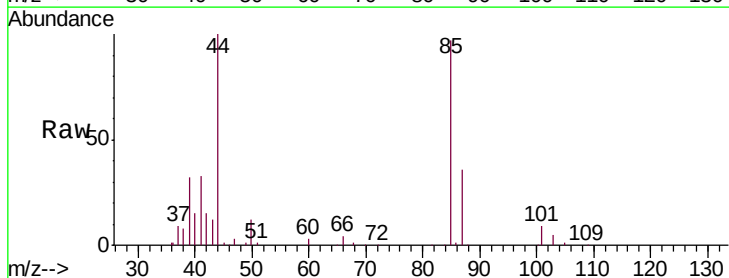
Acq: 24 May 2019 00:43

Tgt Ion: 85 Resp: 88107

Ion Ratio Lower Upper

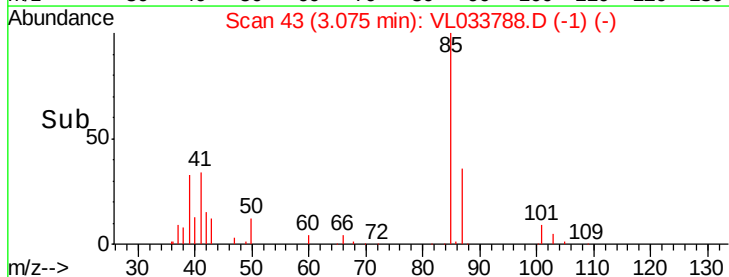
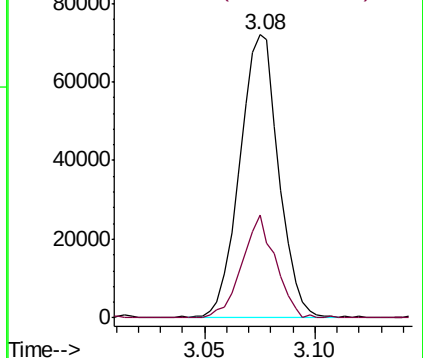
85 100

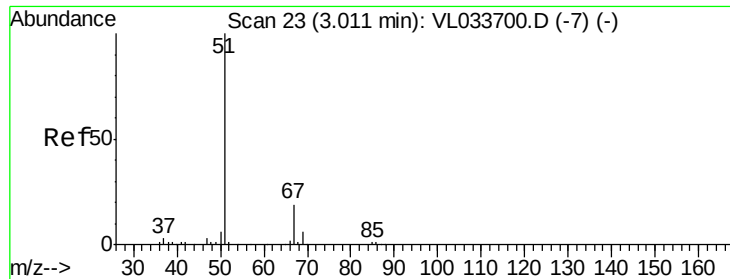
87 36.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.827 ppbv

RT: 2.98 min Scan# 15

Delta R.T. -0.03 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

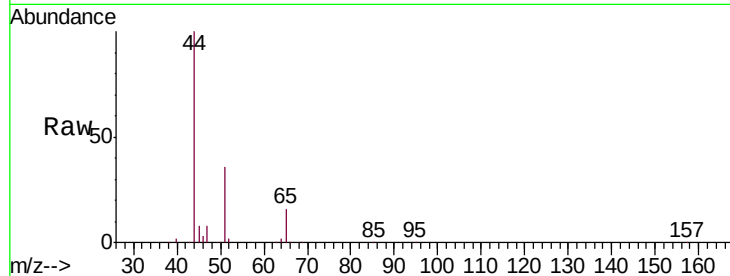
BPS1-SG-3005-55

Tgt Ion: 51 Resp: 84106

Ion Ratio Lower Upper

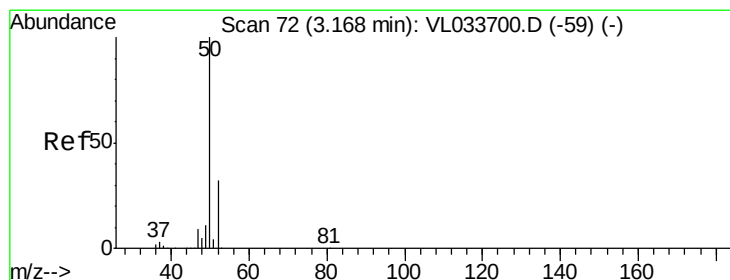
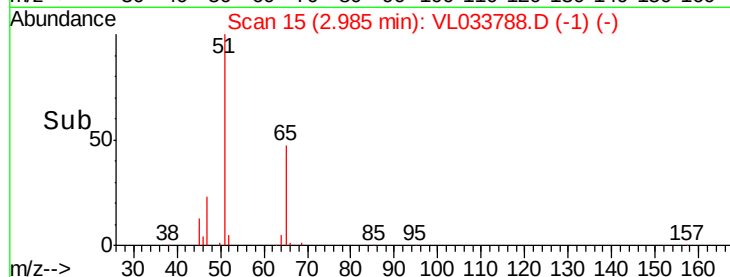
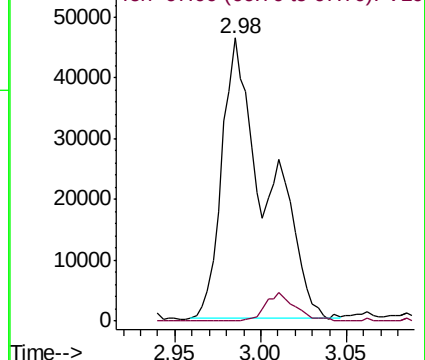
51 100

67 6.8 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: 0.170 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033788.D

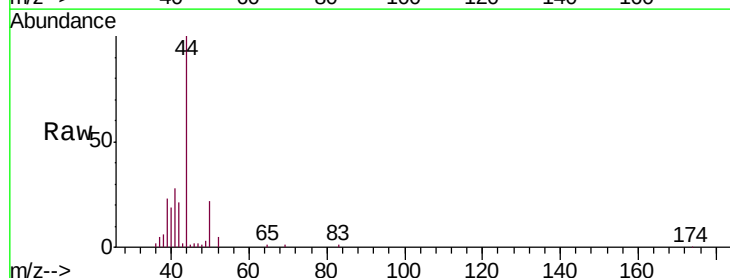
Acq: 24 May 2019 00:43

Tgt Ion: 50 Resp: 9891

Ion Ratio Lower Upper

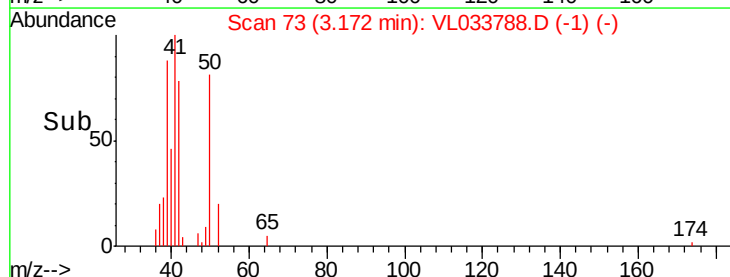
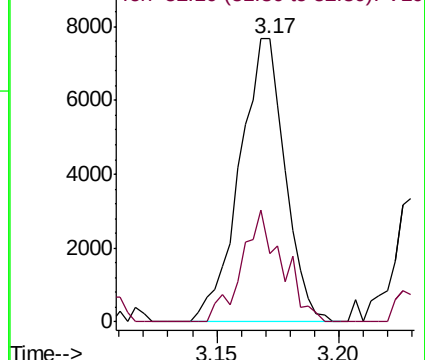
50 100

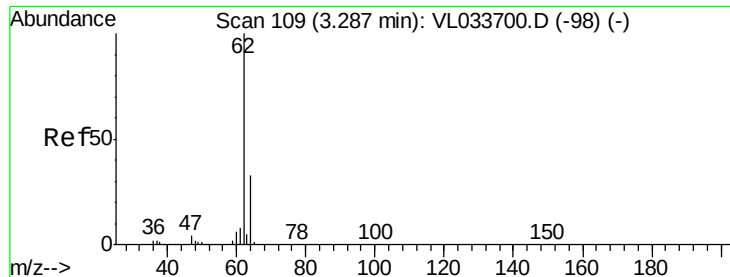
52 24.2 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.018 ppbv

RT: 3.46 min Scan# 162

Delta R.T. 0.17 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

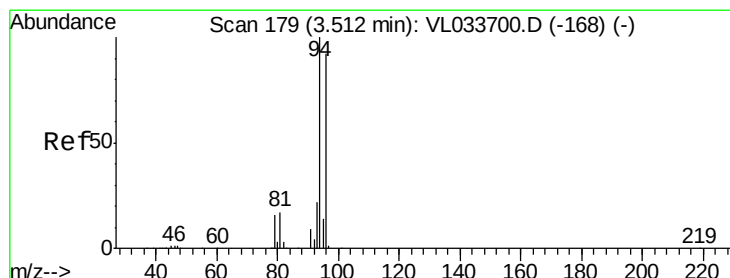
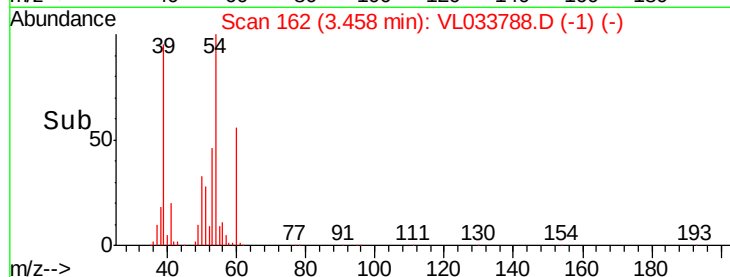
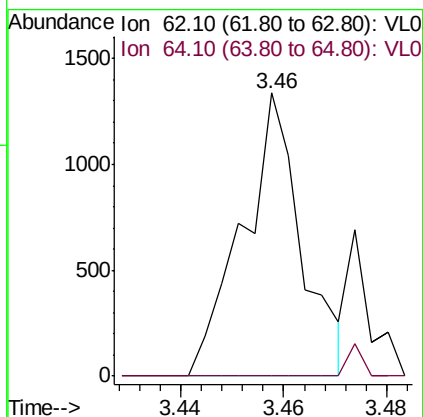
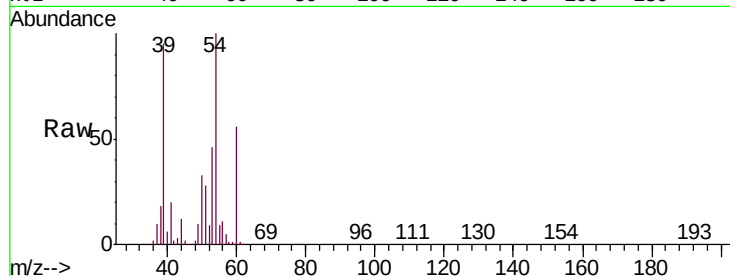
BPS1-SG-3005-55

Tgt Ion: 62 Resp: 1050

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#



#6

Bromomethane

Concen: 0.011 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033788.D

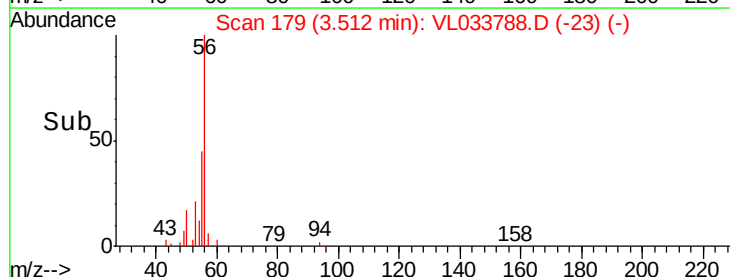
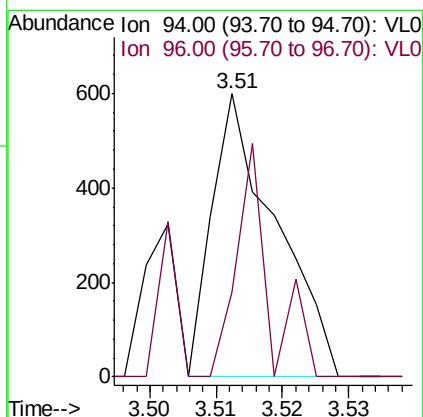
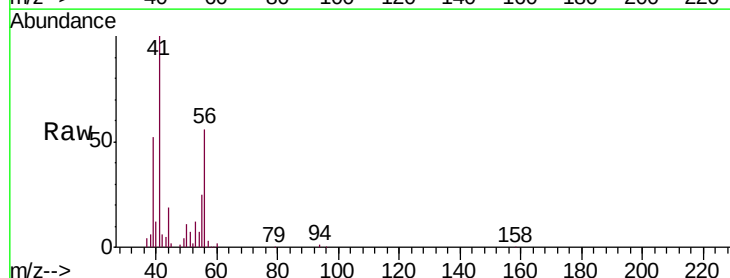
Acq: 24 May 2019 00:43

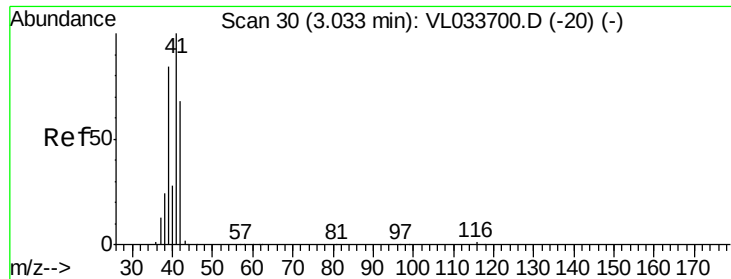
Tgt Ion: 94 Resp: 400

Ion Ratio Lower Upper

94 100

96 30.1 73.6 110.4#





#9

Propene

Concen: 122.592 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

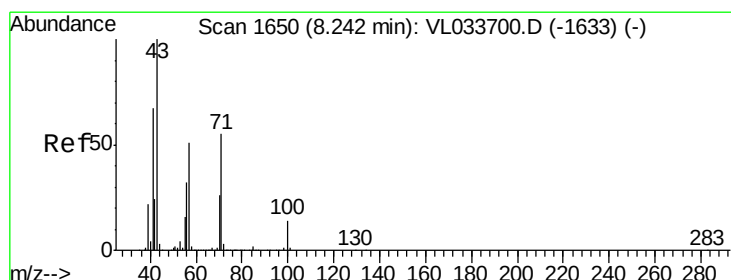
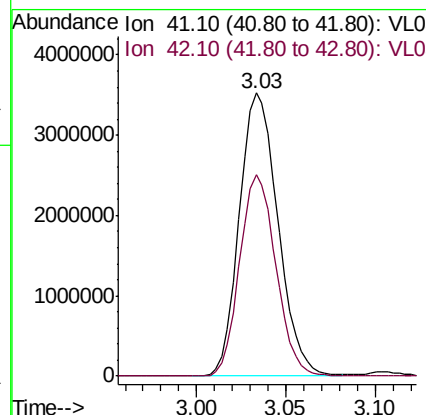
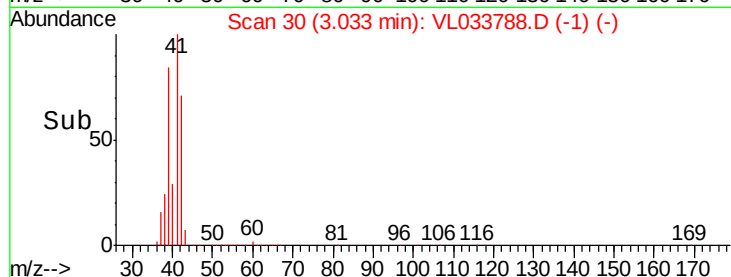
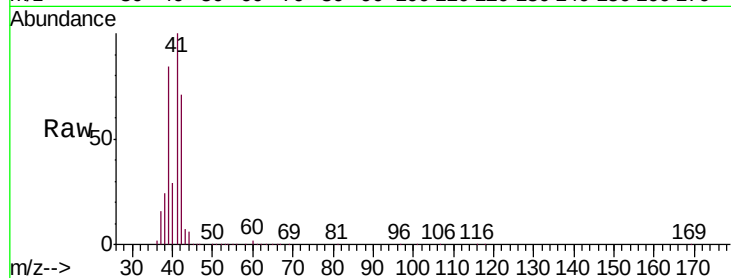
BPS1-SG-3005-55

Tgt Ion: 41 Resp: 5303910

Ion Ratio Lower Upper

41 100

42 67.1 56.1 84.1



#10

Heptane

Concen: 2.475 ppbv

RT: 8.24 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VL033788.D

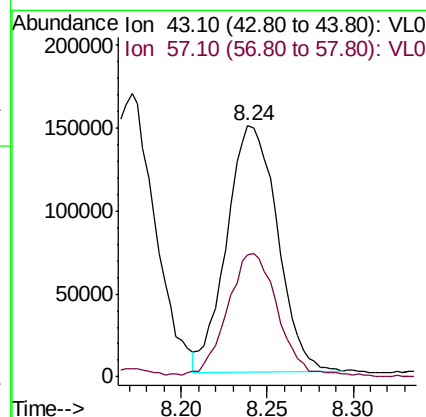
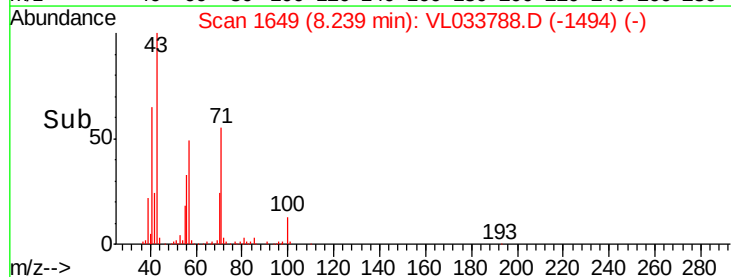
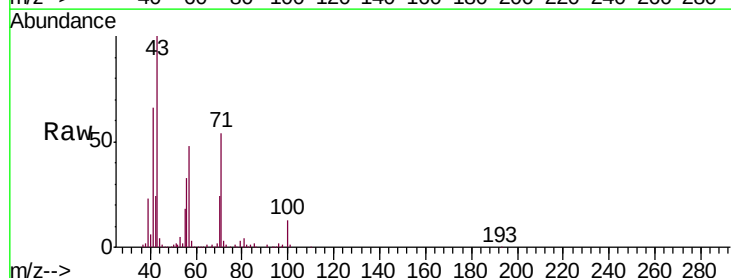
Acq: 24 May 2019 00:43

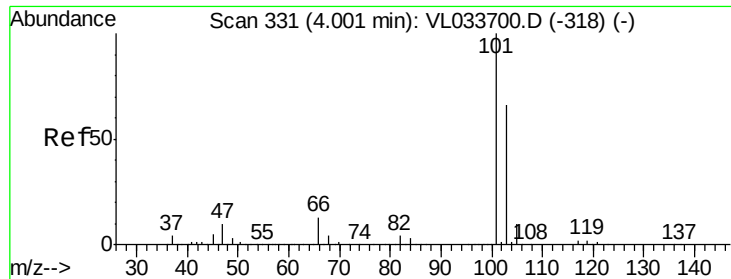
Tgt Ion: 43 Resp: 303211

Ion Ratio Lower Upper

43 100

57 50.1 41.4 62.0





#11

Trichlorofluoromethane

Concen: 0.808 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

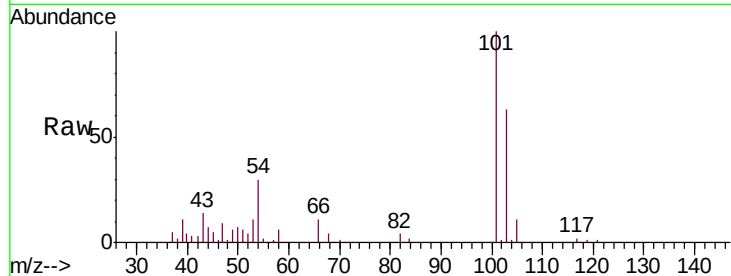
BPS1-SG-3005-55

Tgt Ion:101 Resp: 144402

Ion Ratio Lower Upper

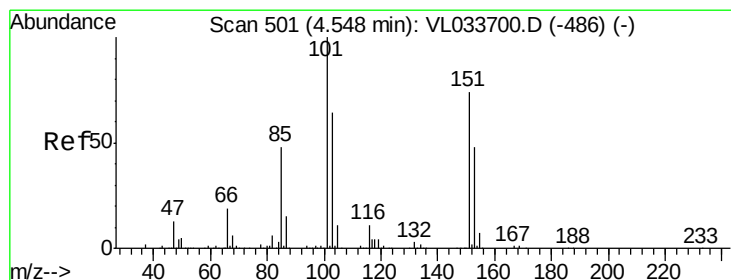
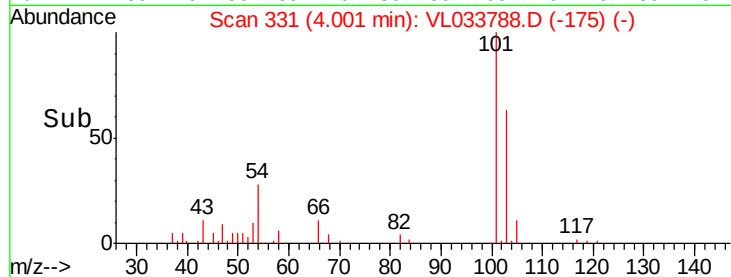
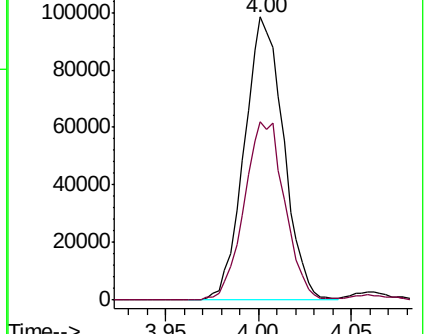
101 100

103 63.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.154 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.00 min

Lab File: VL033788.D

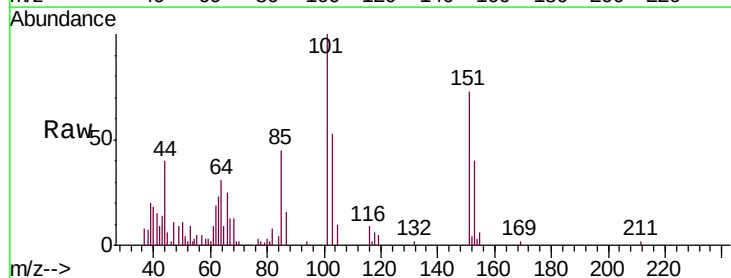
Acq: 24 May 2019 00:43

Tgt Ion:101 Resp: 19230

Ion Ratio Lower Upper

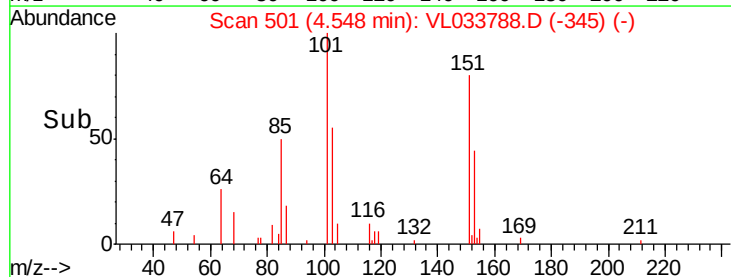
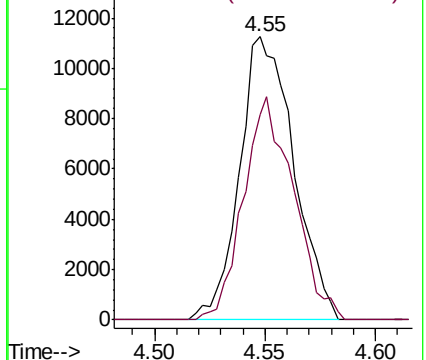
101 100

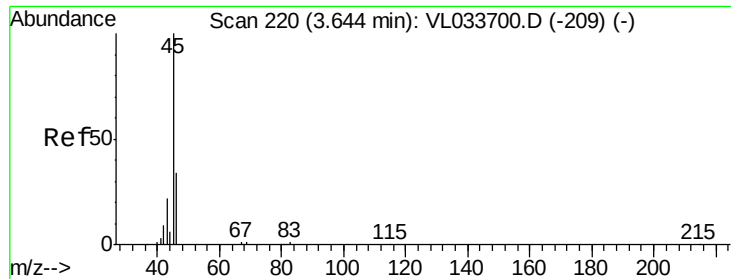
151 72.8 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 98.331 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

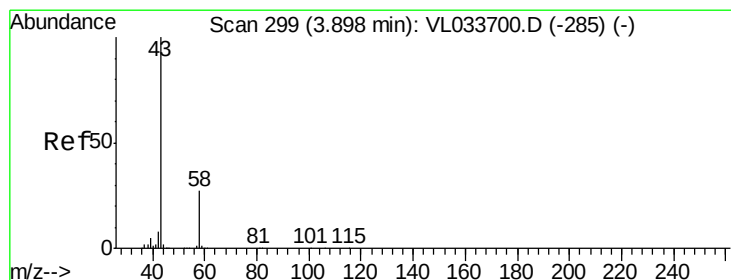
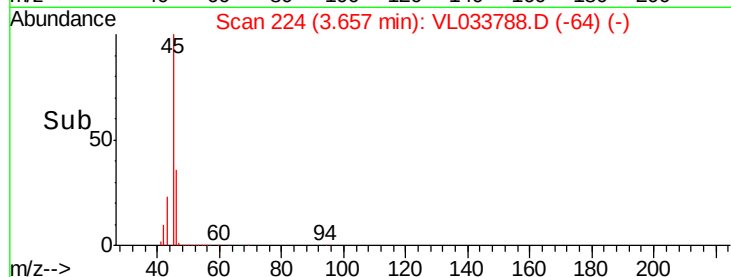
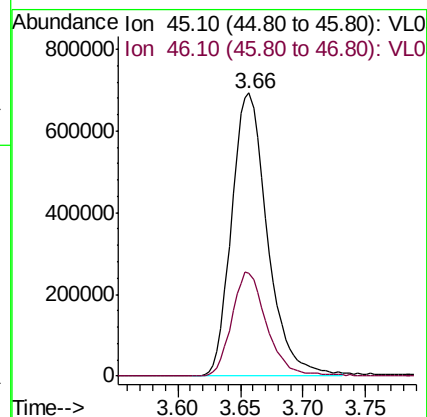
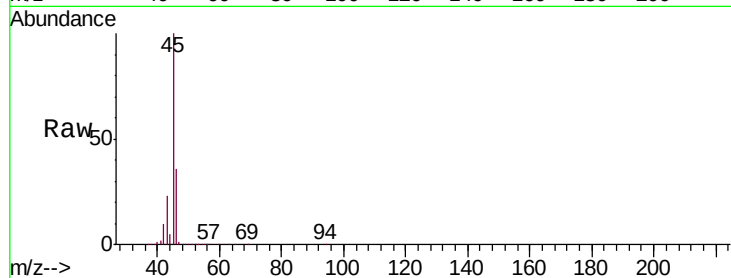
BPS1-SG-3005-55

Tgt Ion: 45 Resp: 1375045

Ion Ratio Lower Upper

45 100

46 35.8 14.8 59.0



#15

Acetone

Concen: 81.459 ppbv

RT: 3.89 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL033788.D

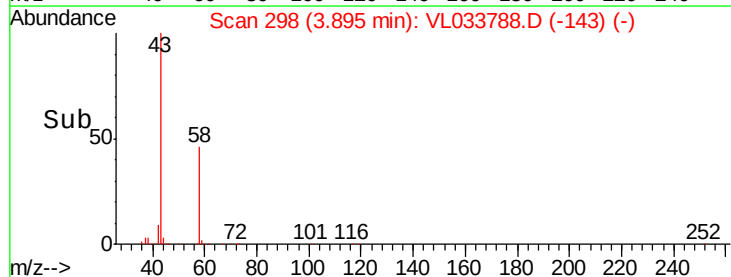
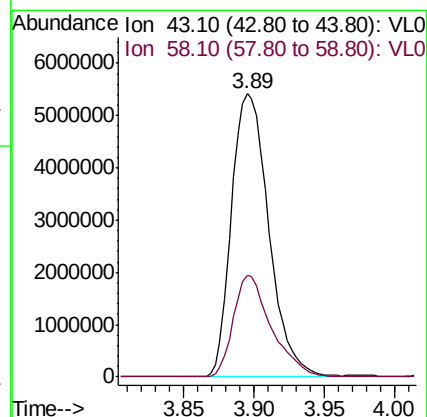
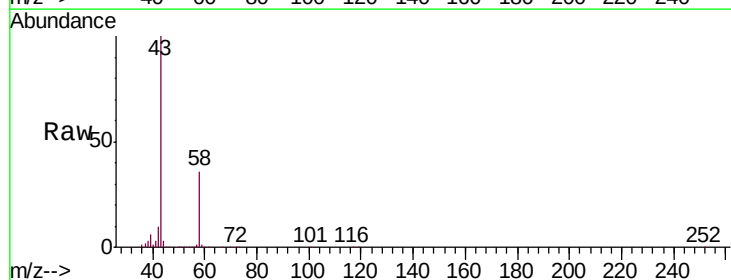
Acq: 24 May 2019 00:43

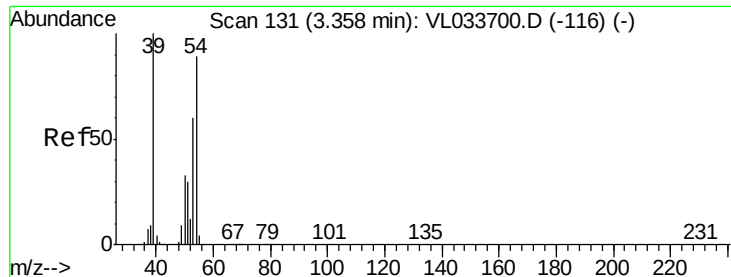
Tgt Ion: 43 Resp: 10036349

Ion Ratio Lower Upper

43 100

58 36.6 21.3 31.9#

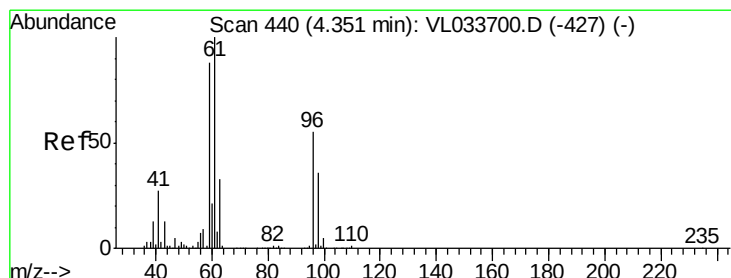
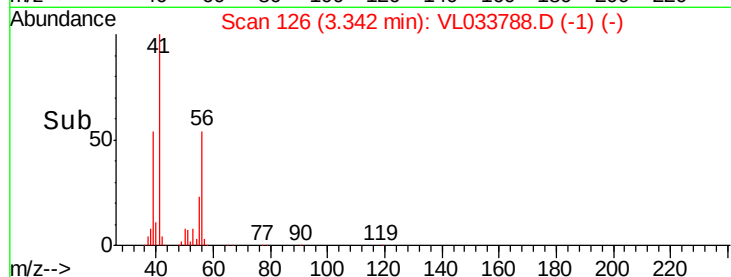
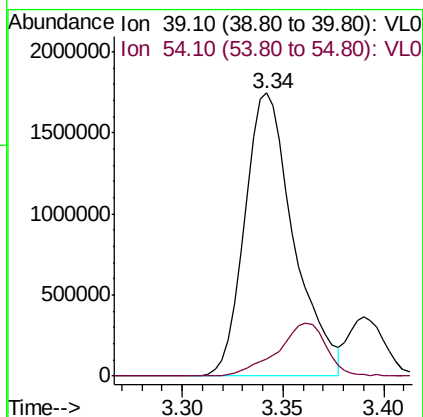
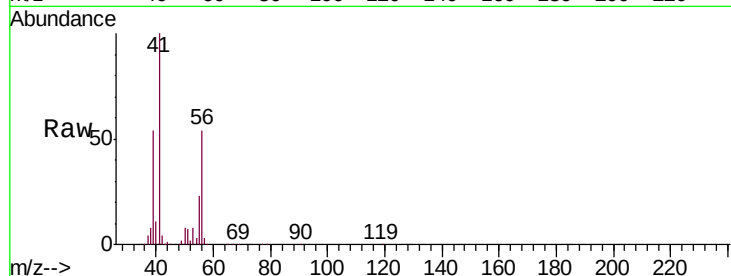




#16
1,3-Butadiene
Concen: 60.405 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

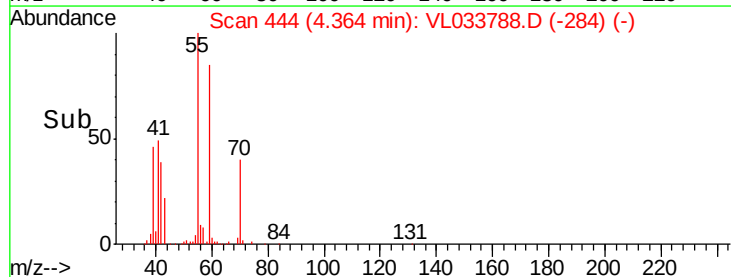
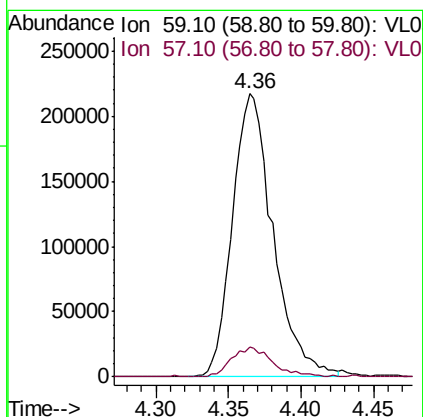
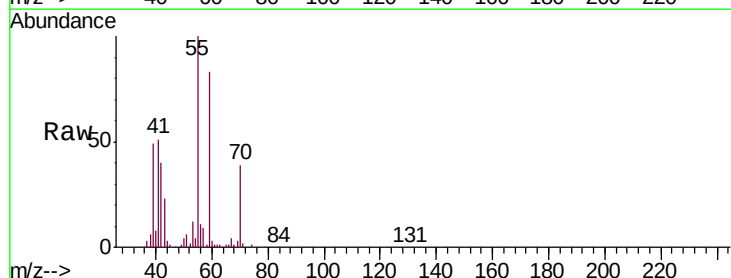
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

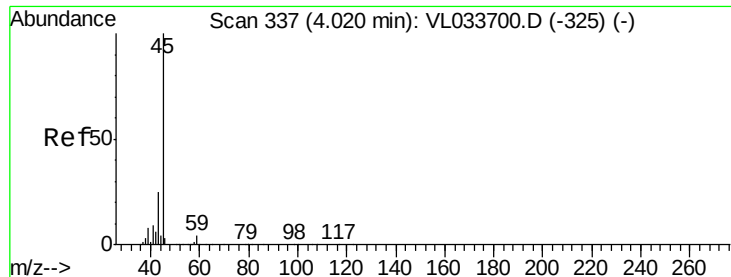
Tgt Ion: 39 Resp: 2963682
Ion Ratio Lower Upper
39 100
54 18.6 69.0 103.6#



#17
tert-Butyl alcohol
Concen: 4.219 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion: 59 Resp: 420296
Ion Ratio Lower Upper
59 100
57 11.3 8.4 12.6





#19

Isopropyl Alcohol

Concen: 5.692 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

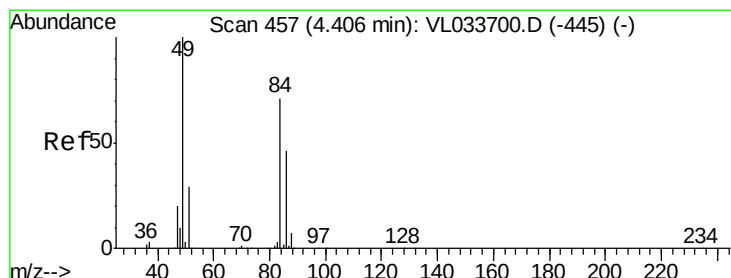
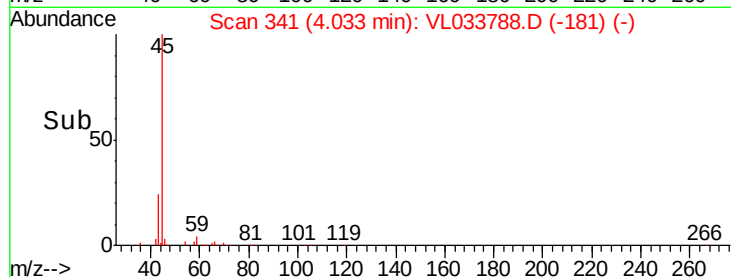
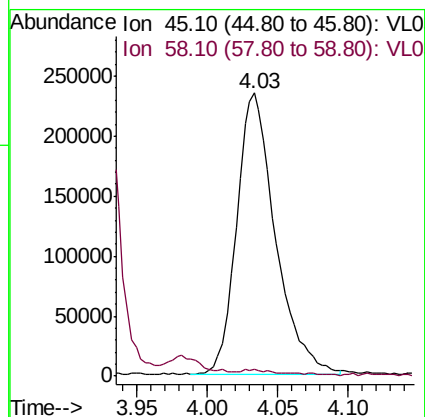
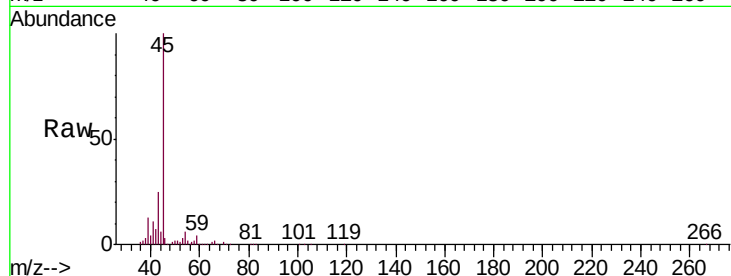
BPS1-SG-3005-55

Tgt Ion: 45 Resp: 452170

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



#20

Methylene Chloride

Concen: 1.598 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Tgt Ion: 84 Resp: 75815

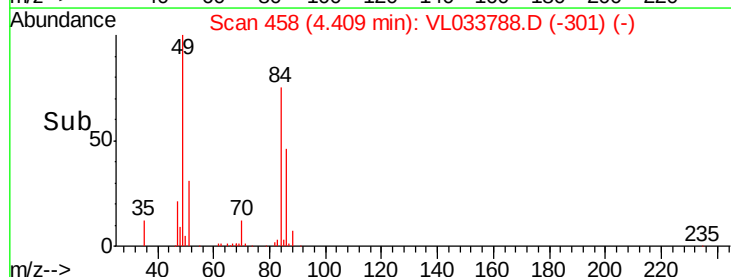
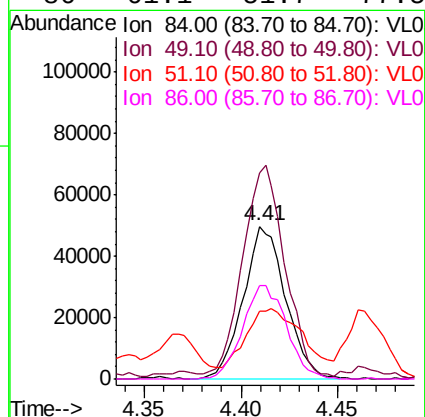
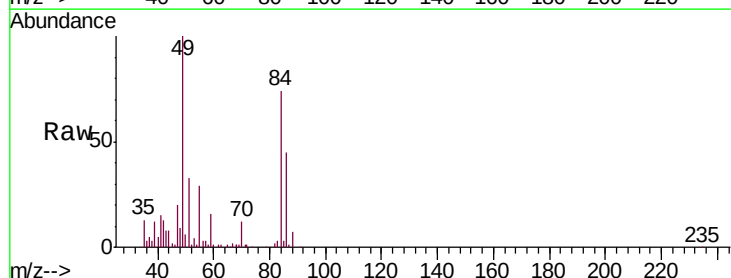
Ion Ratio Lower Upper

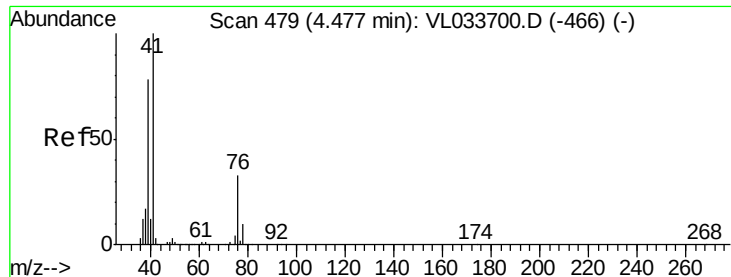
84 100

49 130.9 112.8 169.2

51 24.0 33.4 50.0#

86 61.1 51.7 77.5





#21

Allyl Chloride

Concen: 1.250 ppbv

RT: 4.46 min Scan# 475

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

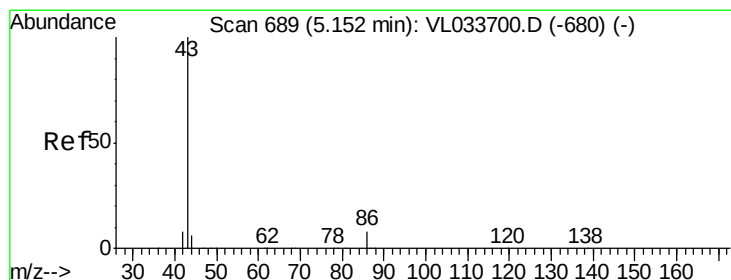
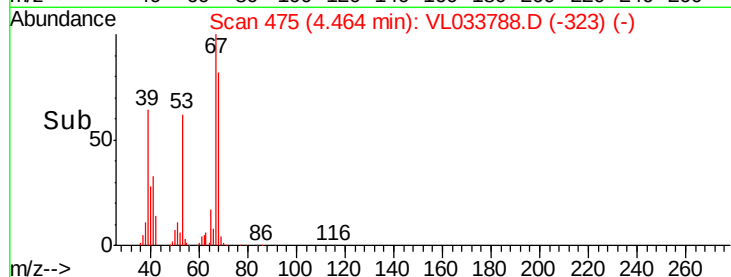
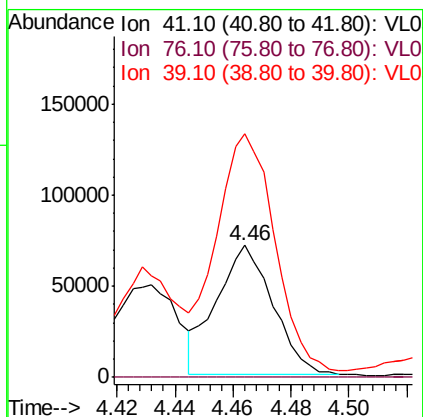
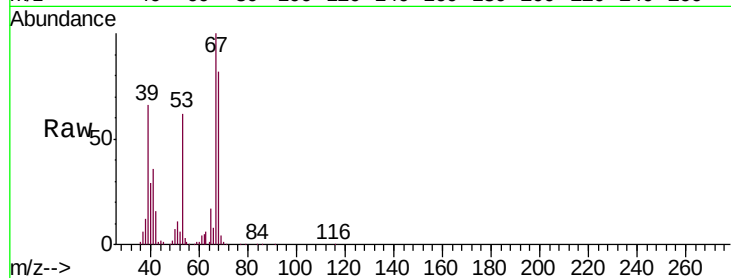
Tgt Ion: 41 Resp: 96076

Ion Ratio Lower Upper

41 100

76 0.0 25.9 38.9#

39 272.6 64.6 97.0#



#23

Vinyl Acetate

Concen: 1.377 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Tgt Ion: 43 Resp: 223755

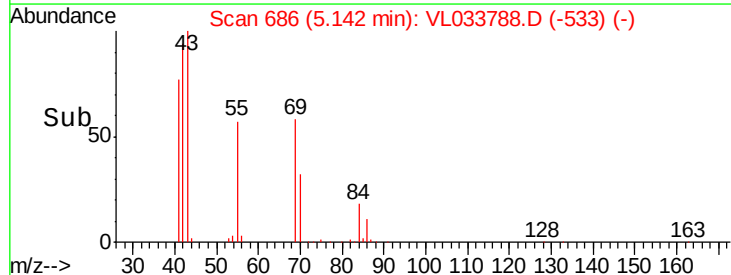
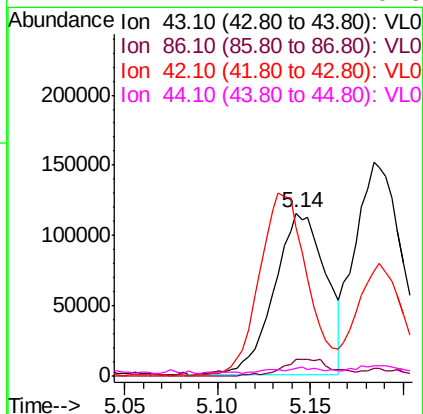
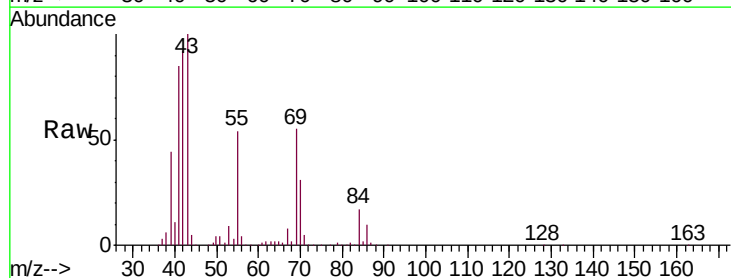
Ion Ratio Lower Upper

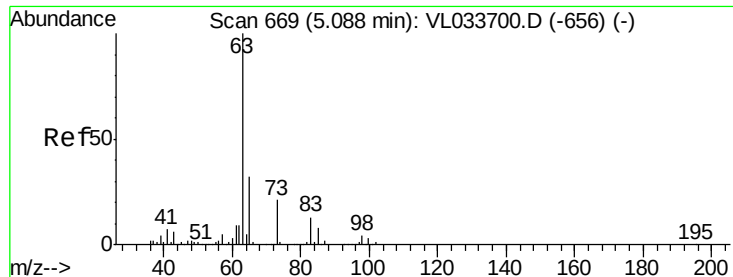
43 100

86 10.4 6.0 9.0#

42 91.8 7.5 11.3#

44 1.7 4.4 6.6#





#24

1,1-Dichloroethane

Concen: 0.017 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.03 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

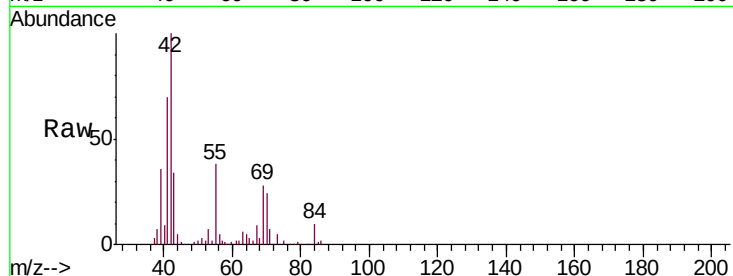
Tgt Ion: 63 Resp: 2072

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

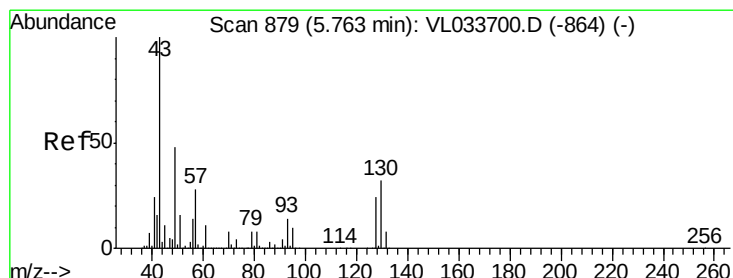
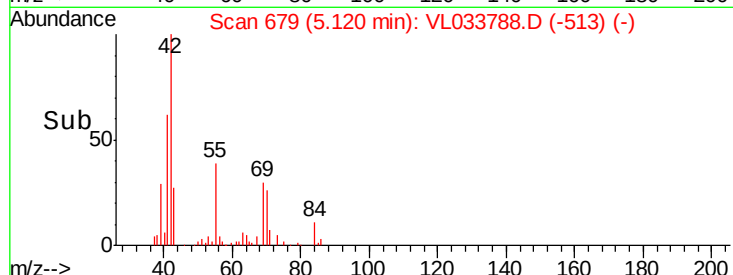
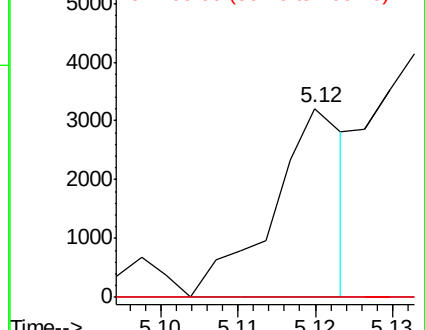
100 0.0 1.4 4.2#



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: 12.282 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Tgt Ion: 43 Resp: 2658285

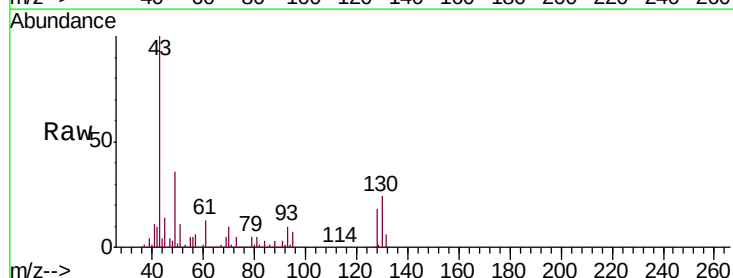
Ion Ratio Lower Upper

43 100

45 12.8 7.9 11.9#

61 12.2 7.7 11.5#

70 9.6 5.8 8.6#

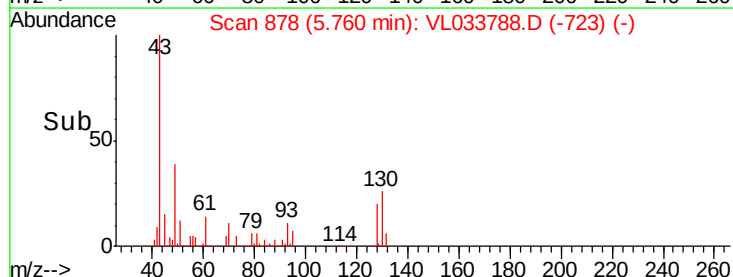
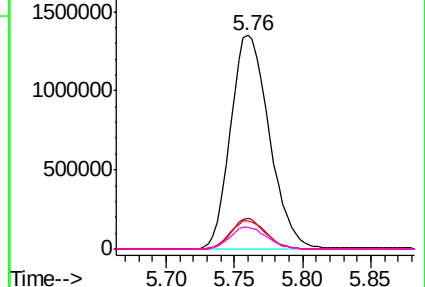


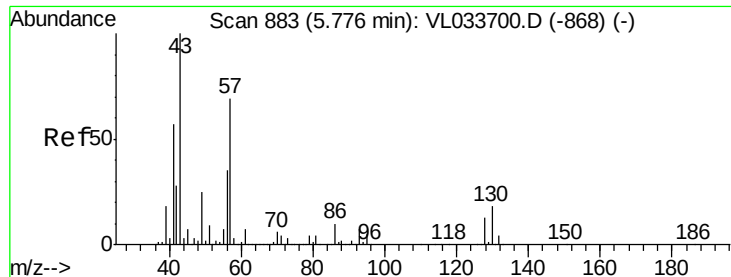
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

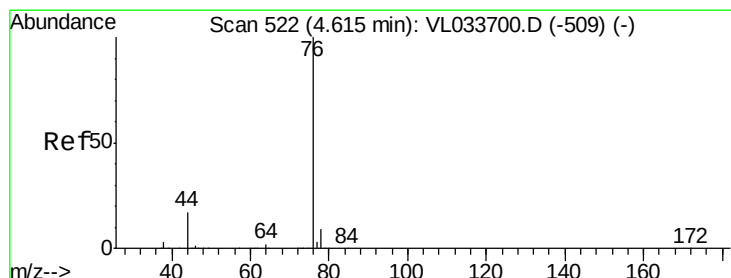
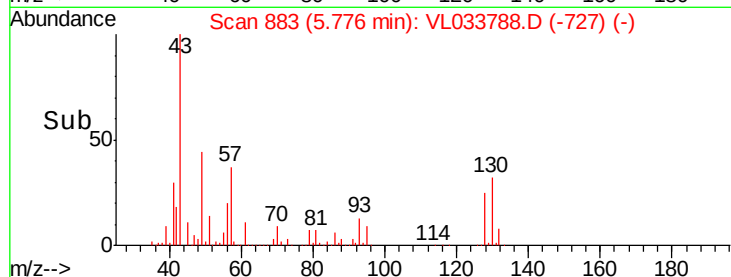
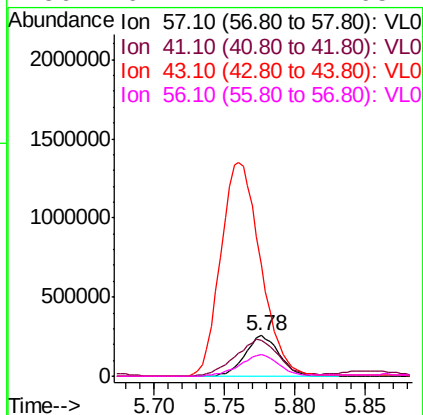
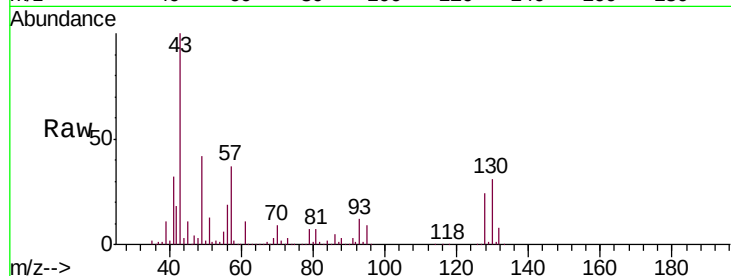




#26
Hexane
Concen: 4.682 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

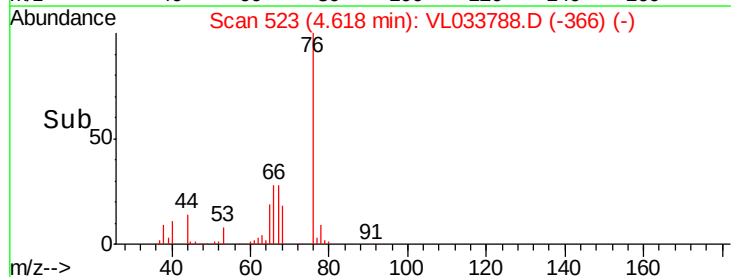
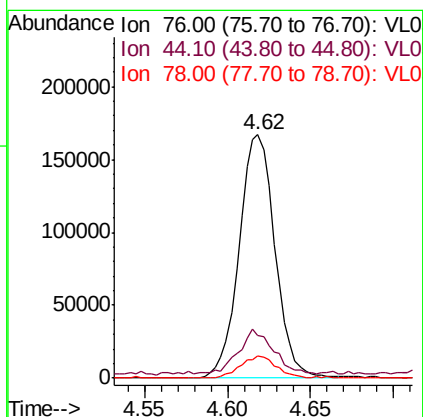
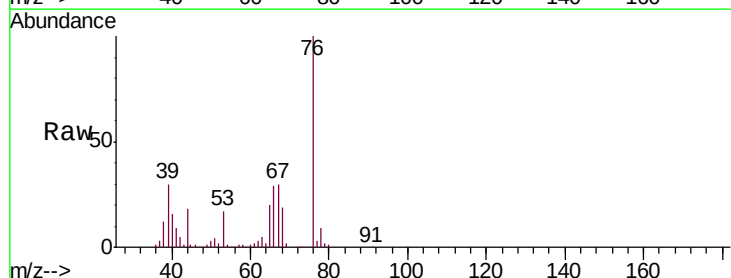
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

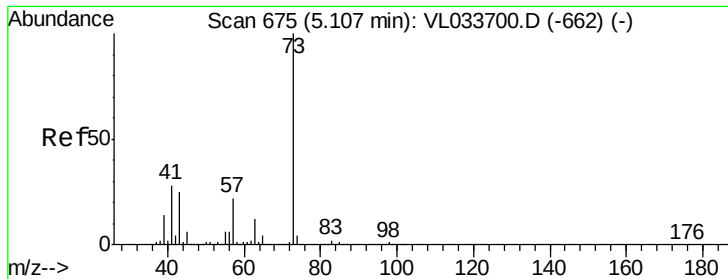
Tgt Ion:	57	Resp:	435635
Ion	Ratio	Lower	Upper
57	100		
41	114.6	69.8	104.6#
43	609.8	181.8	272.6#
56	62.4	42.1	63.1



#27
Carbon Disulfide
Concen: 1.968 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion:	76	Resp:	251218
Ion	Ratio	Lower	Upper
76	100		
44	18.1	13.8	20.8
78	9.4	7.4	11.0





#28

Methyl tert-Butyl Ether

Concen: 0.037 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

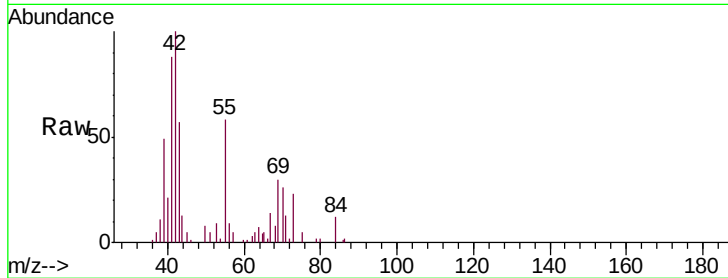
BPS1-SG-3005-55

Tgt Ion: 73 Resp: 5631

Ion Ratio Lower Upper

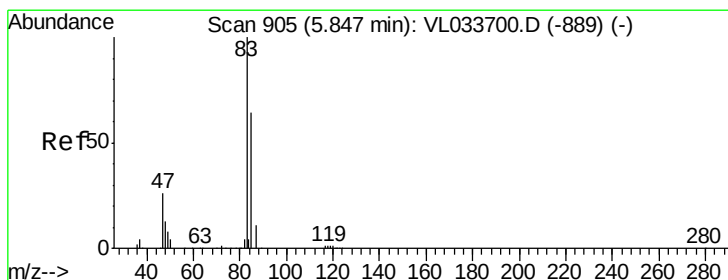
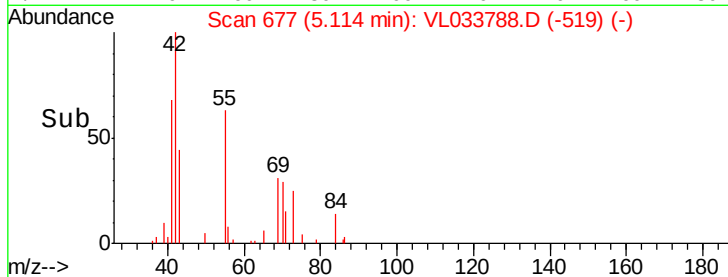
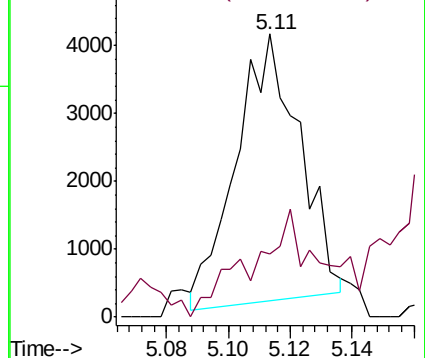
73 100

57 601.4 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: 0.431 ppbv

RT: 5.85 min Scan# 906

Delta R.T. 0.00 min

Lab File: VL033788.D

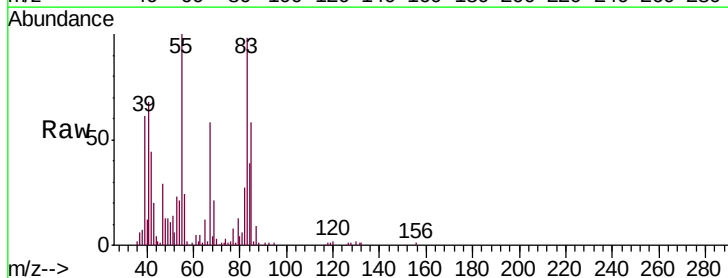
Acq: 24 May 2019 00:43

Tgt Ion: 83 Resp: 73812

Ion Ratio Lower Upper

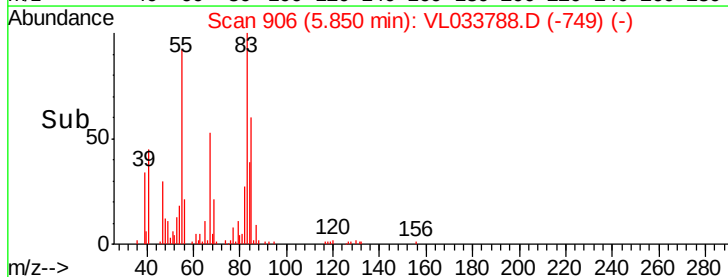
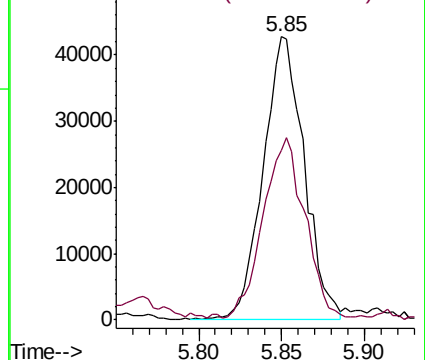
83 100

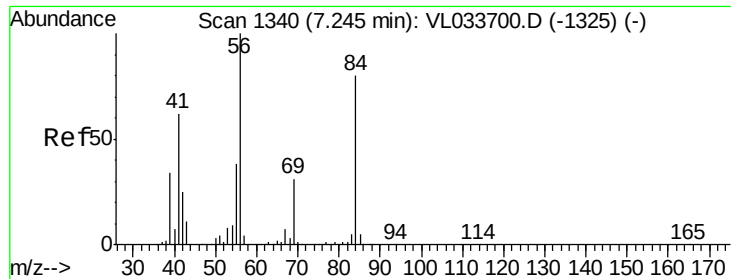
85 58.0 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

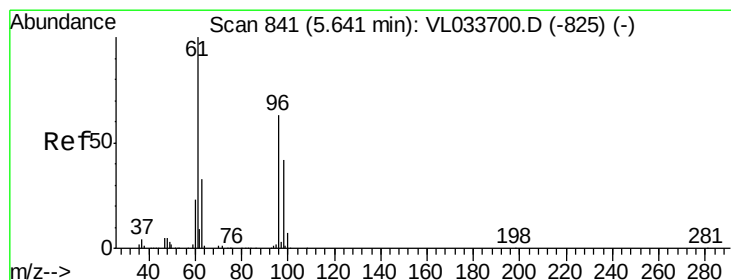
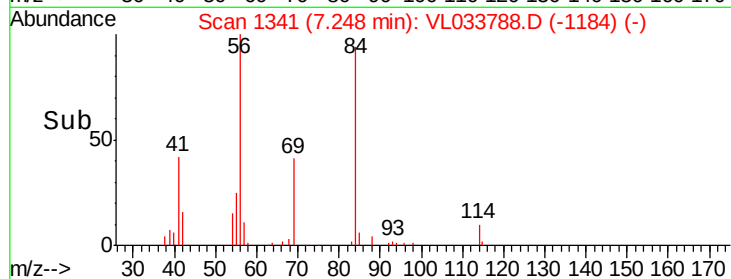
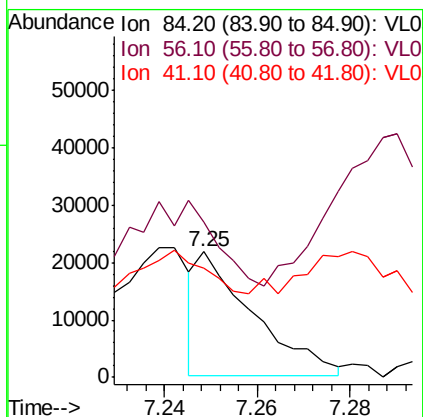
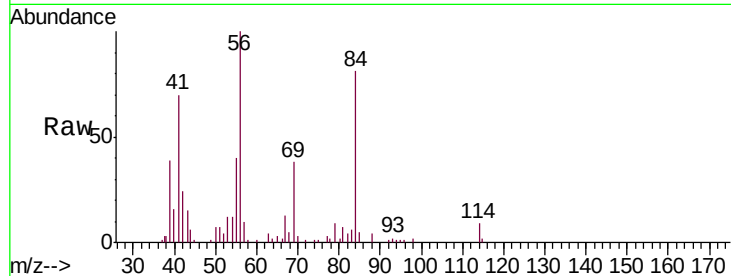




#30
Cyclohexane
Concen: 0.230 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

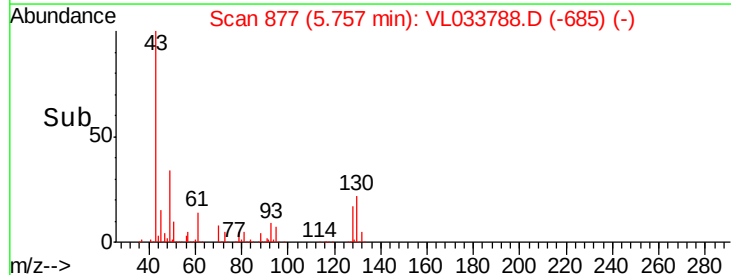
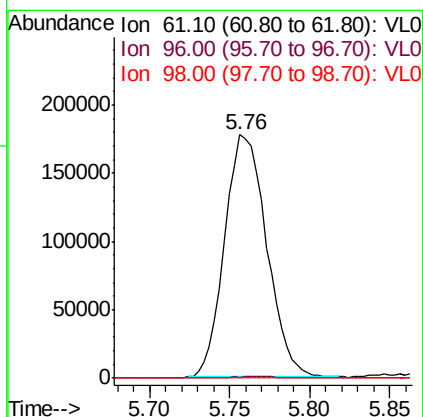
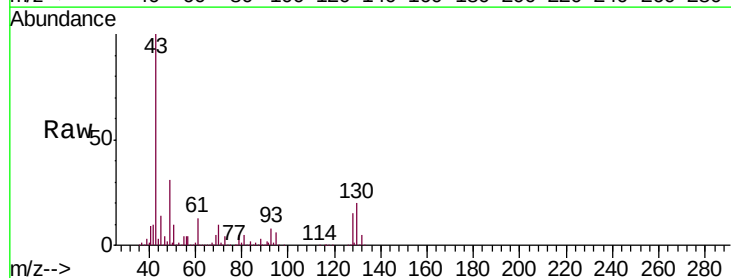
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

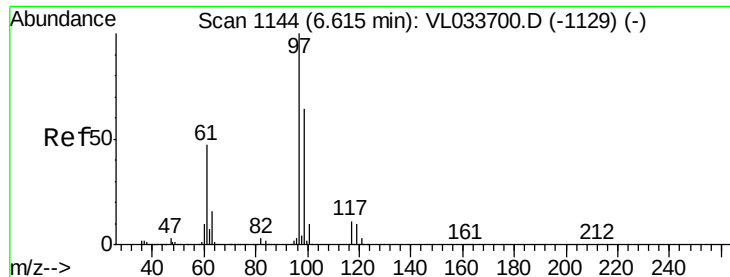
Tgt Ion: 84 Resp: 17967
Ion Ratio Lower Upper
84 100
56 333.6 107.7 161.5#
41 279.8 66.0 99.0#



#31
cis-1,2-Dichloroethene
Concen: 3.446 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.12 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion: 61 Resp: 317943
Ion Ratio Lower Upper
61 100
96 0.2 50.8 76.2#
98 0.1 33.3 49.9#





#32

1,1,1-Trichloroethane

Concen: 0.075 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

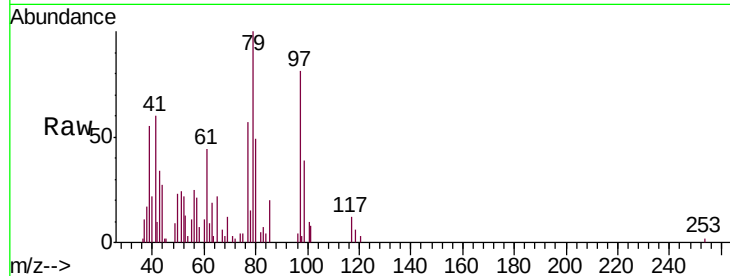
Tgt Ion: 97 Resp: 12860

Ion Ratio Lower Upper

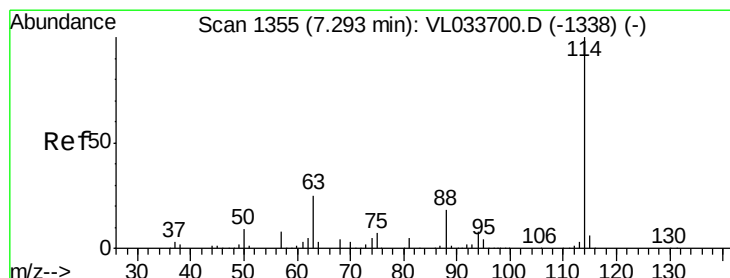
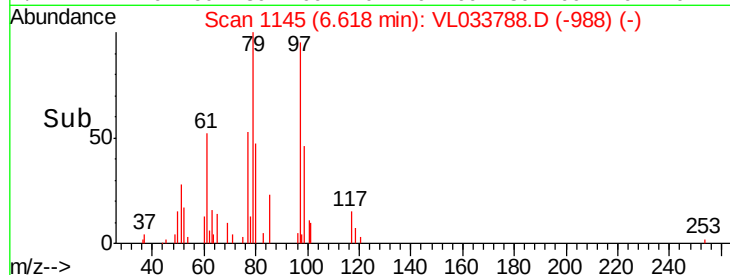
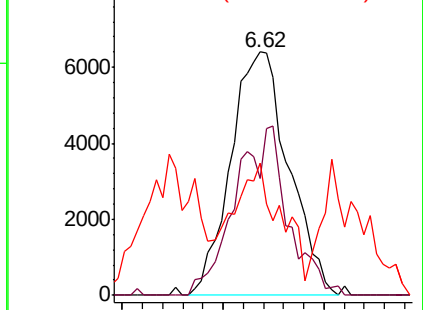
97 100

99 63.1 51.5 77.3

61 46.4 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: VL033788.D

Acq: 24 May 2019 00:43

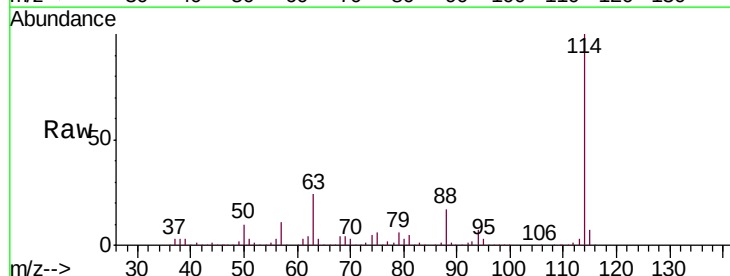
Tgt Ion: 114 Resp: 2419066

Ion Ratio Lower Upper

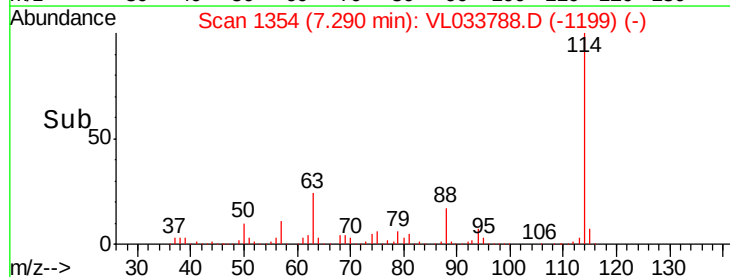
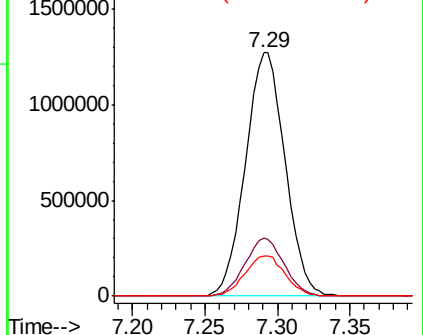
114 100

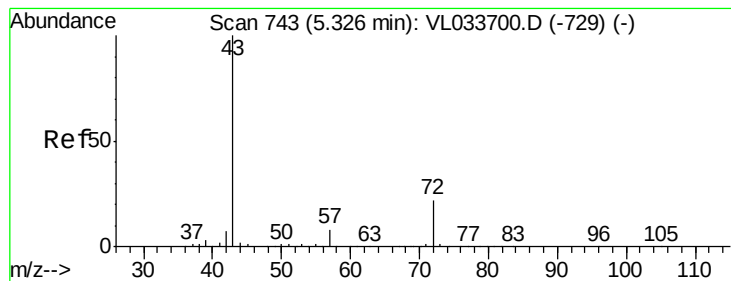
63 23.4 20.9 31.3

88 16.9 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: 18.401 ppbv

RT: 5.32 min Scan# 742

Delta R.T. -0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

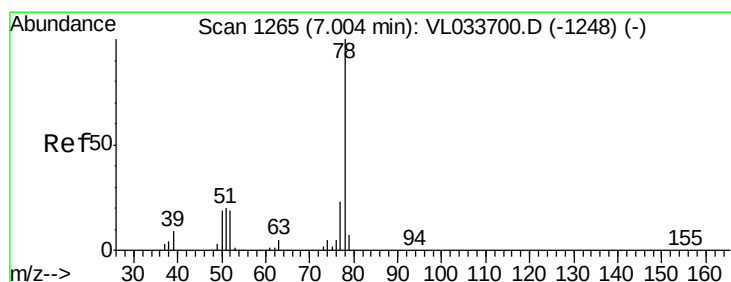
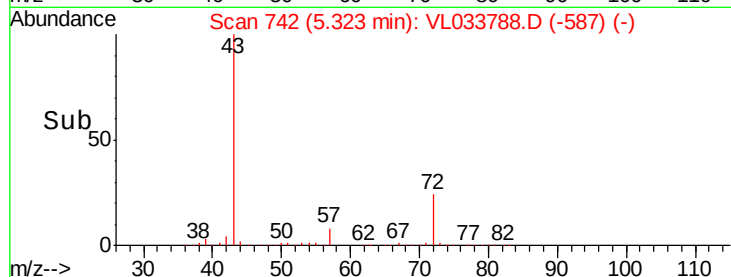
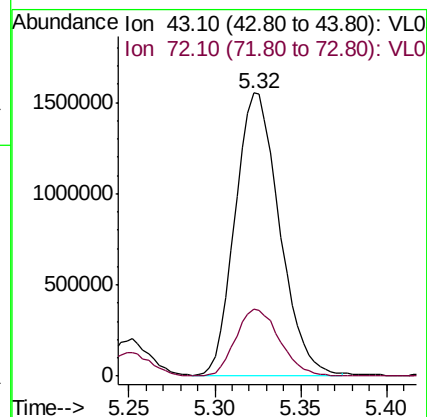
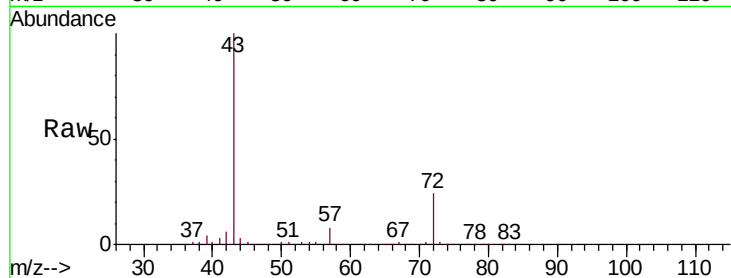
BPS1-SG-3005-55

Tgt Ion: 43 Resp: 2759148

Ion Ratio Lower Upper

43 100

72 23.8 17.8 26.6



#36

Benzene

Concen: 2.276 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

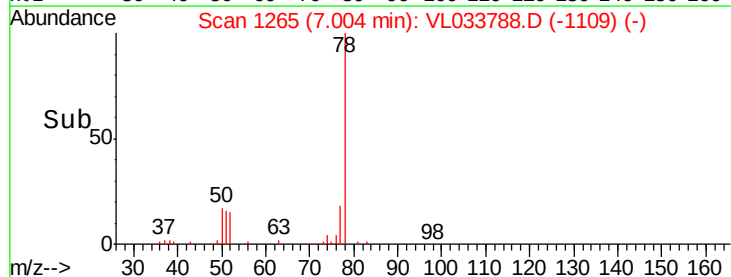
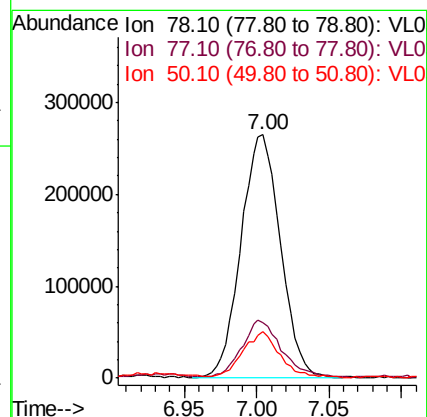
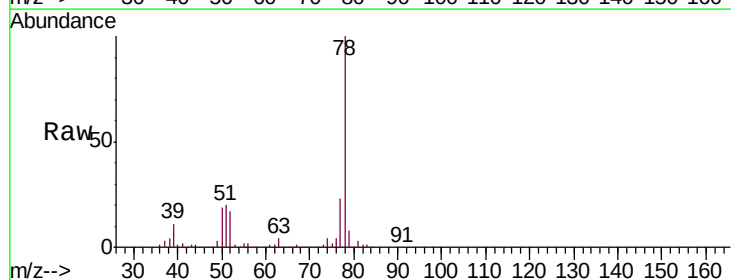
Tgt Ion: 78 Resp: 500767

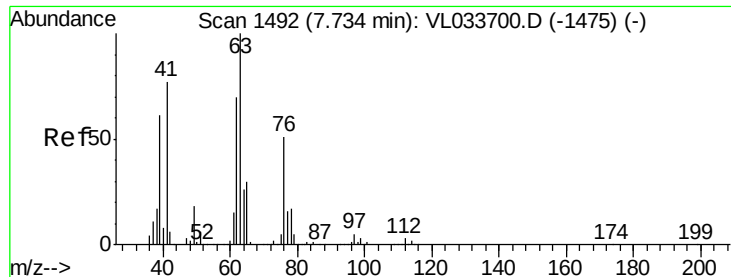
Ion Ratio Lower Upper

78 100

77 22.3 18.4 27.6

50 18.7 15.5 23.3





#39

1,2-Dichloropropane

Concen: 6.939 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.44 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

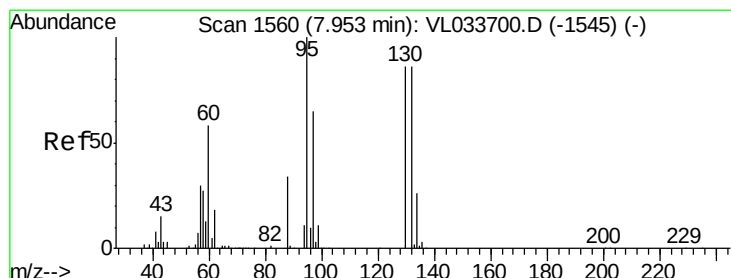
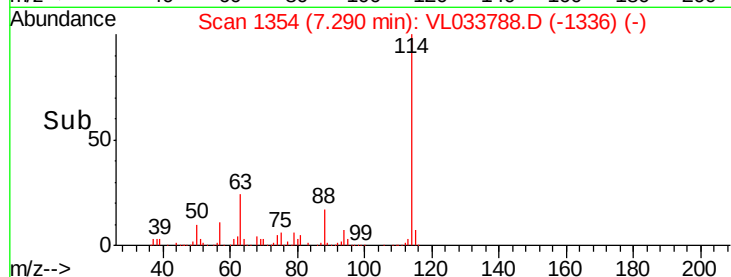
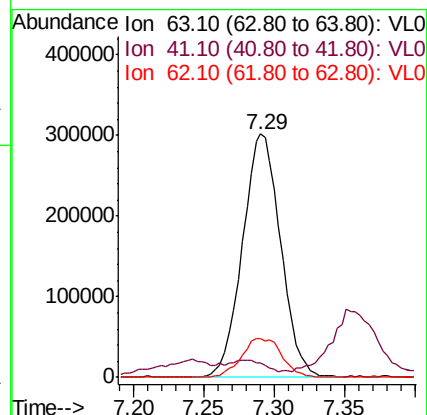
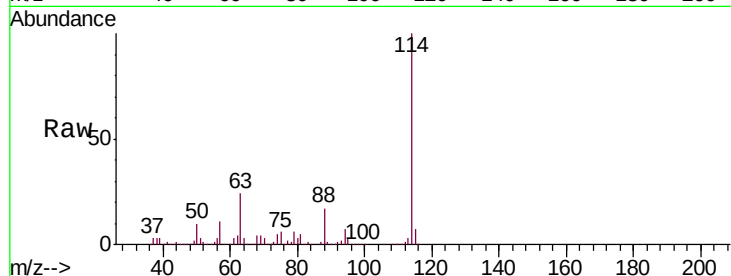
Tgt Ion: 63 Resp: 569263

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 16.0 56.2 84.4#



#40

1,4-Dioxane

Concen: 0.020 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Tgt Ion: 88 Resp: 682

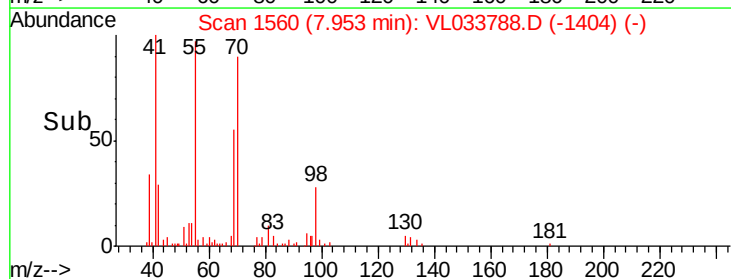
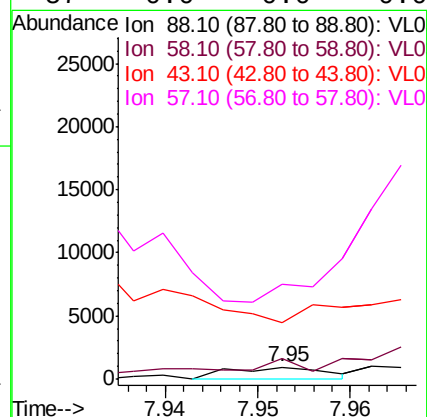
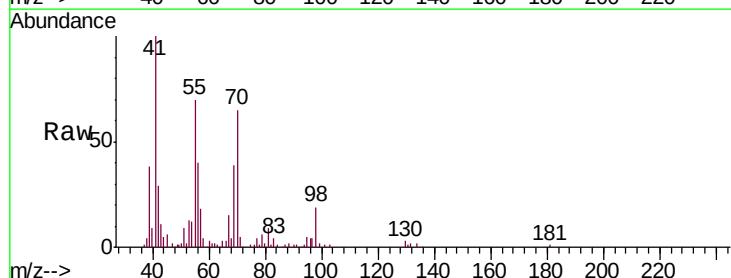
Ion Ratio Lower Upper

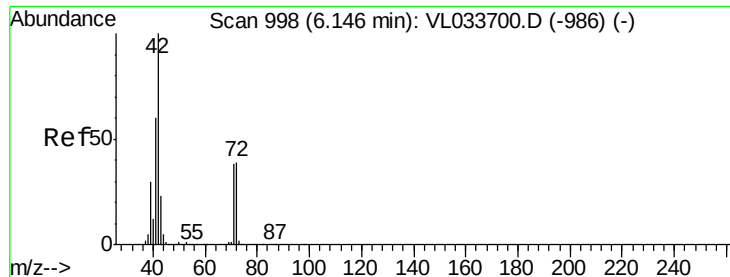
88 100

58 0.0 101.8 152.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

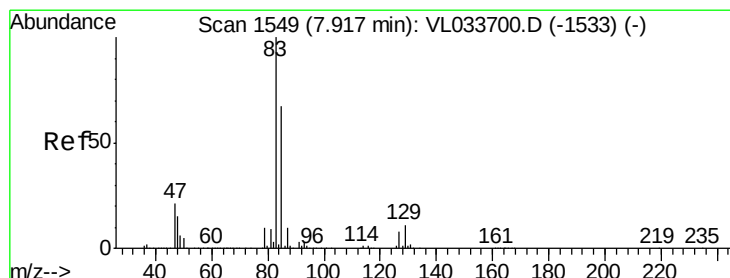
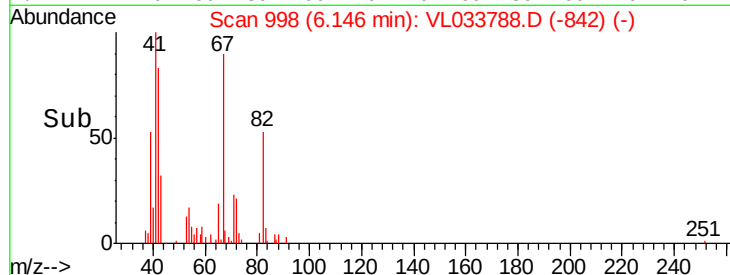
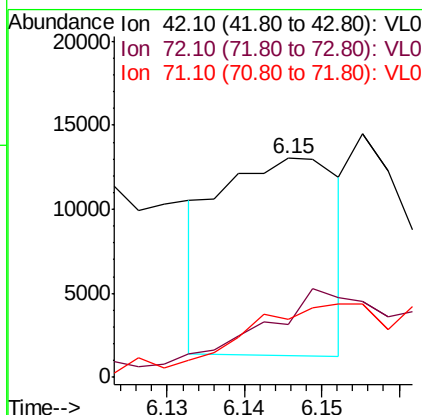
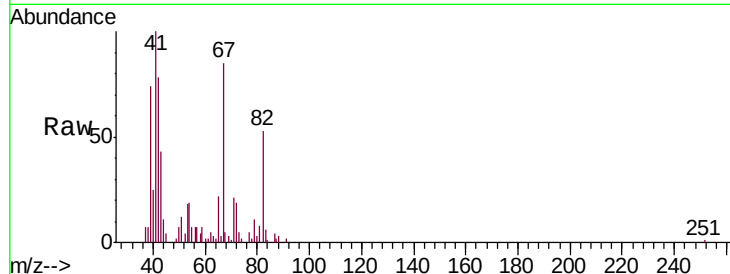




#41
Tetrahydrofuran
Concen: 0.149 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

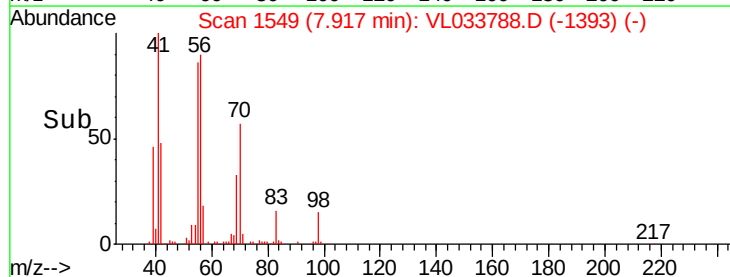
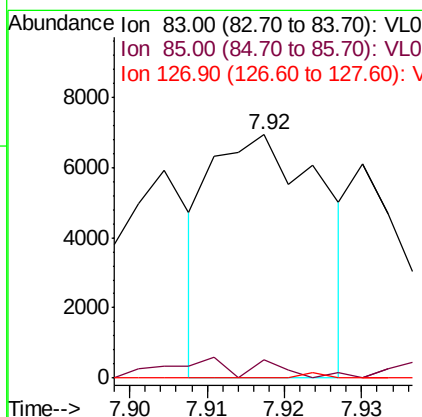
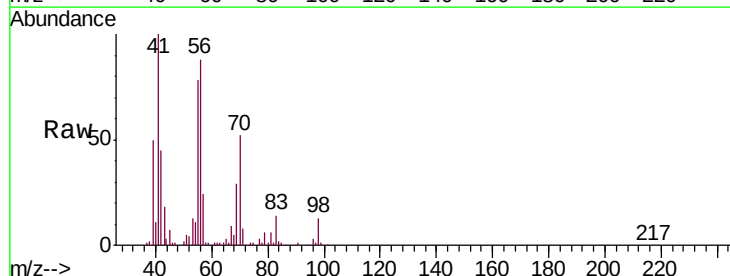
Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

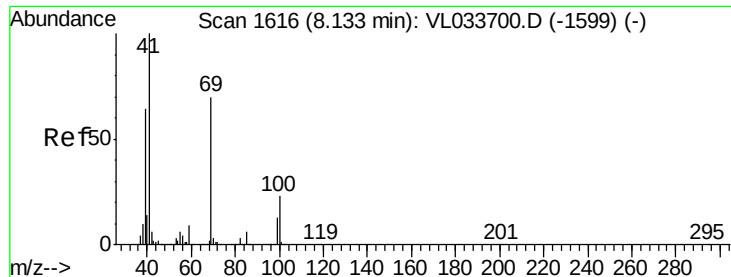
Tgt Ion: 42 Resp: 12550
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.036 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion: 83 Resp: 6998
Ion Ratio Lower Upper
83 100
85 15.4 53.3 79.9#
127 0.0 6.5 9.7#





#43

Methyl Methacrylate

Concen: 0.138 ppbv

RT: 8.13 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

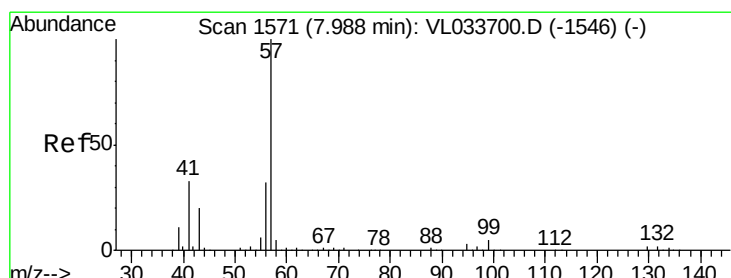
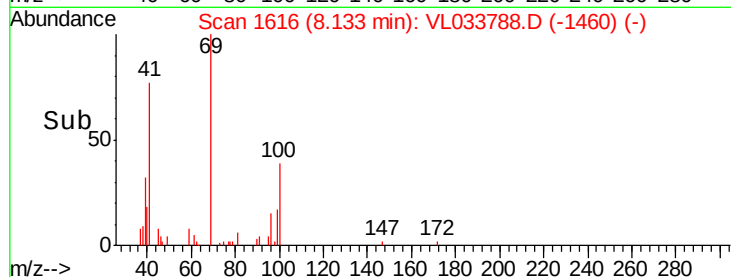
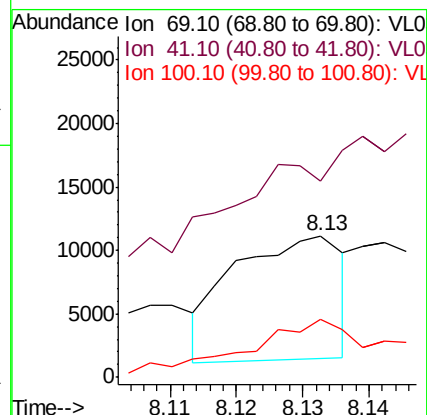
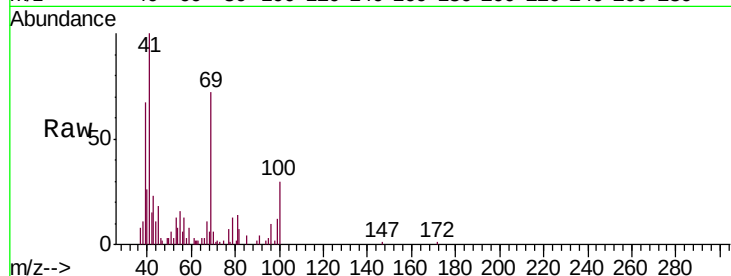
Tgt Ion: 69 Resp: 11139

Ion Ratio Lower Upper

69 100

41 0.0 116.3 174.5#

100 66.4 25.3 37.9#



#44

2,2,4-Trimethylpentane

Concen: 0.269 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

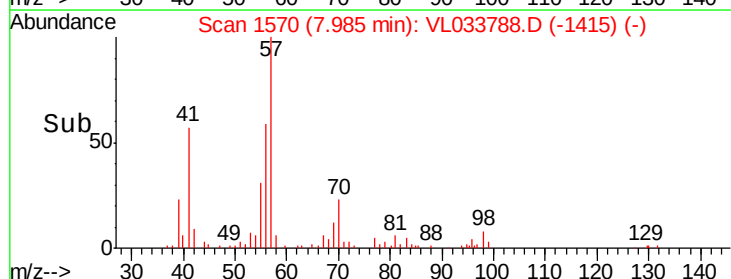
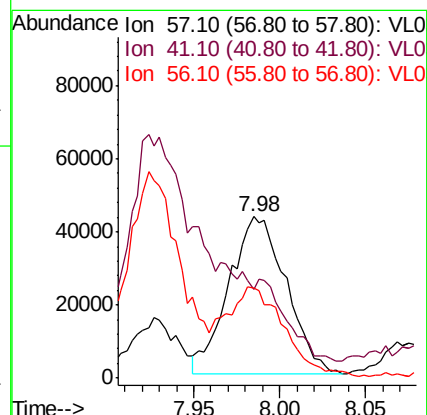
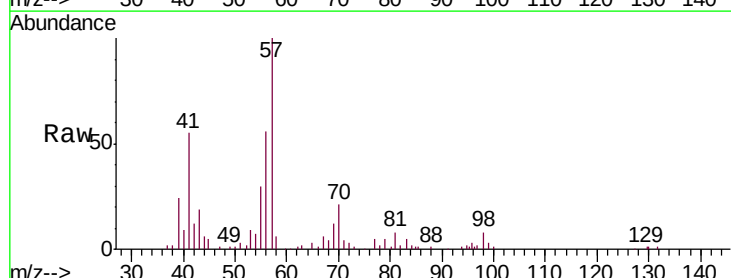
Tgt Ion: 57 Resp: 100109

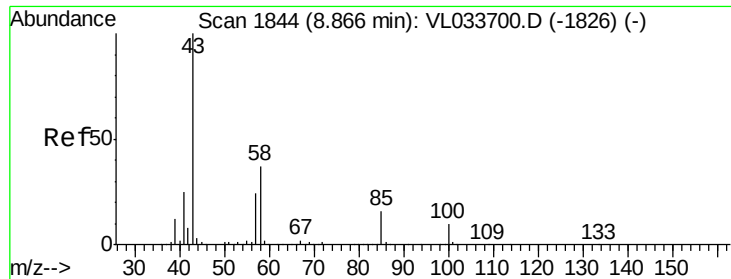
Ion Ratio Lower Upper

57 100

41 0.0 25.4 38.0#

56 60.4 24.7 37.1#

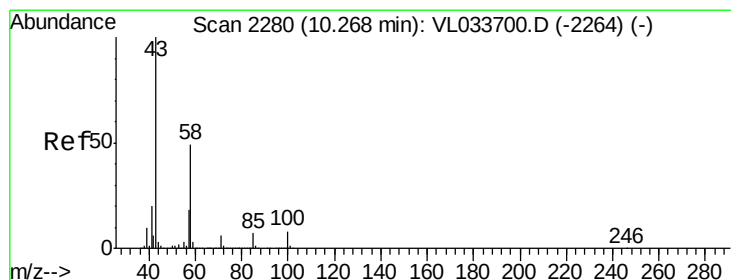
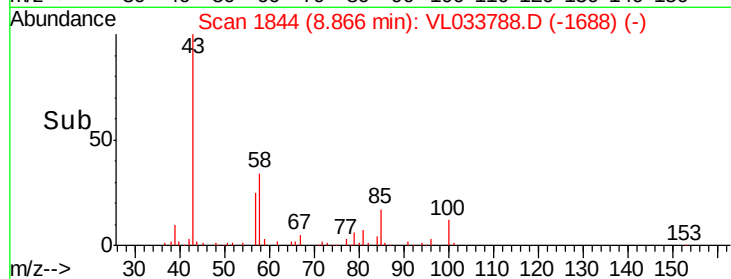
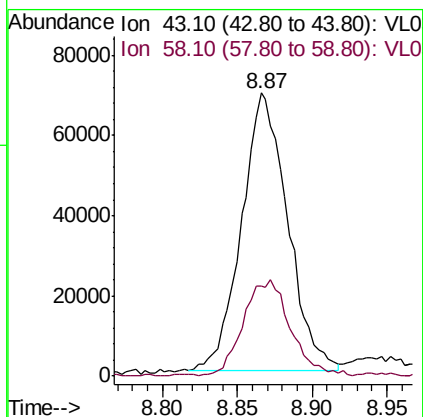
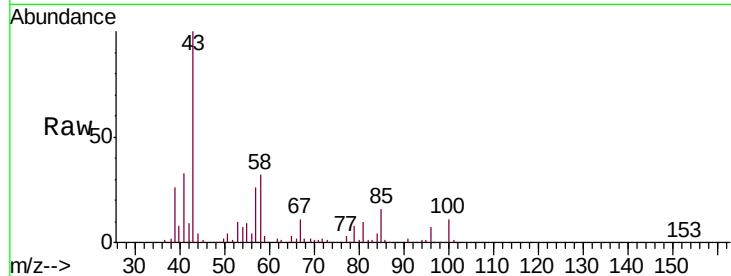




#50
 4-Methyl-2-Pentanone
 Concen: 0.642 ppbv
 RT: 8.87 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL033788.D
 Acq: 24 May 2019 00:43

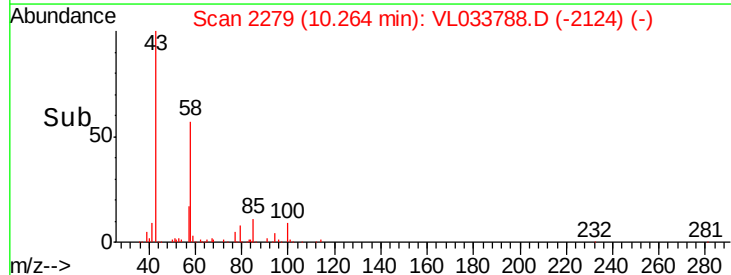
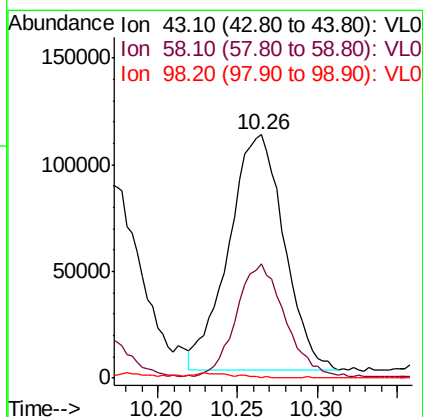
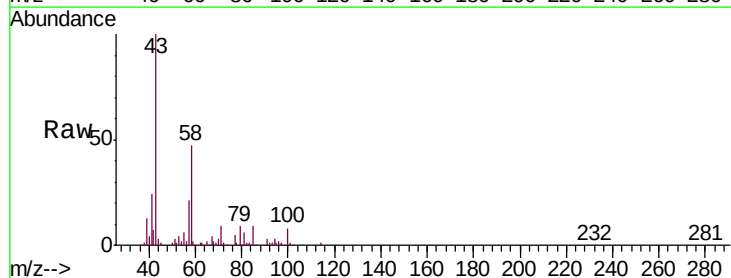
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-55

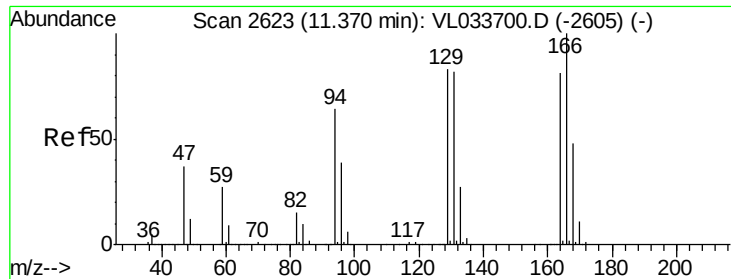
Tgt Ion: 43 Resp: 148075
 Ion Ratio Lower Upper
 43 100
 58 37.0 28.6 43.0



#51
 2-Hexanone
 Concen: 1.459 ppbv
 RT: 10.26 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VL033788.D
 Acq: 24 May 2019 00:43

Tgt Ion: 43 Resp: 262635
 Ion Ratio Lower Upper
 43 100
 58 43.5 38.7 58.1
 98 1.8 0.2 0.4#

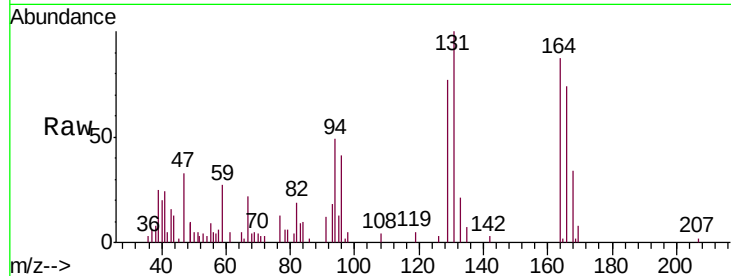




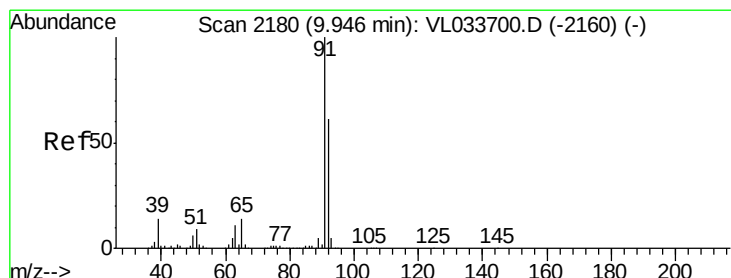
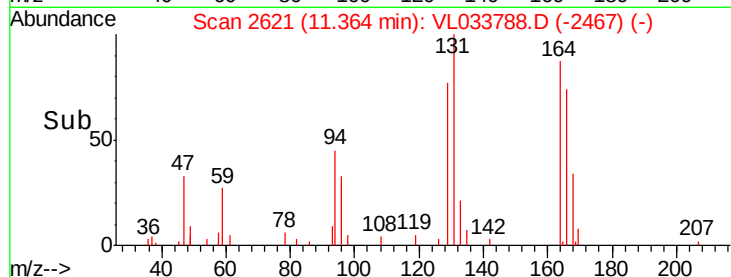
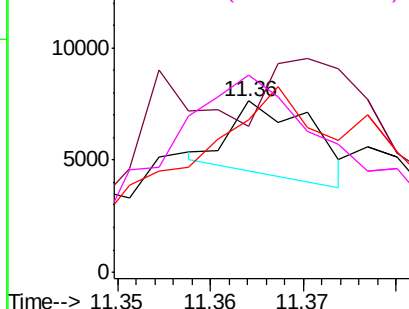
#52
Tetrachloroethene
Concen: 0.024 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

Tgt Ion:164 Resp: 1894
Ion Ratio Lower Upper
164 100
166 0.0 98.9 148.3#
129 81.2 81.8 122.6#
131 116.8 81.1 121.7

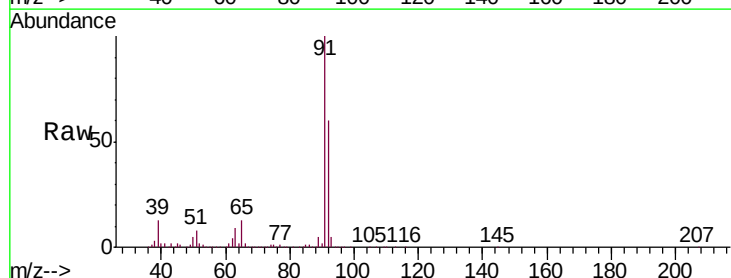


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

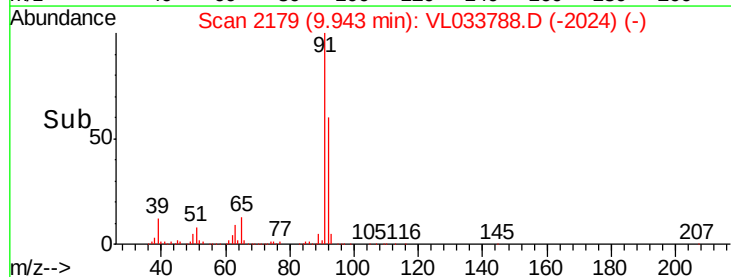
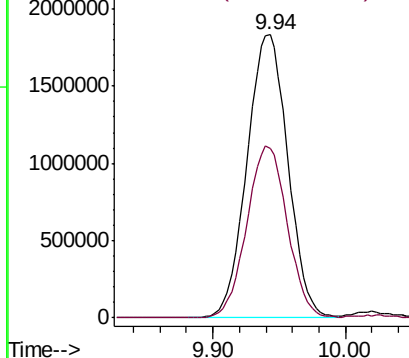


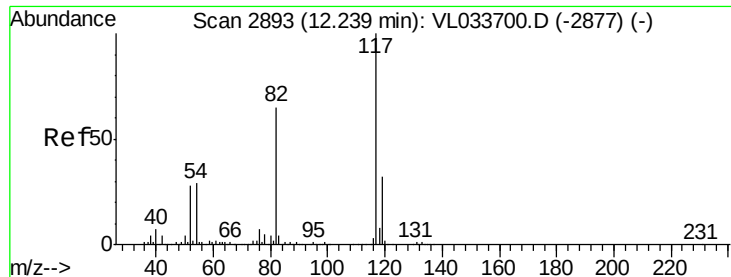
#53
Toluene
Concen: 16.481 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion: 91 Resp: 3911640
Ion Ratio Lower Upper
91 100
92 60.2 47.6 71.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

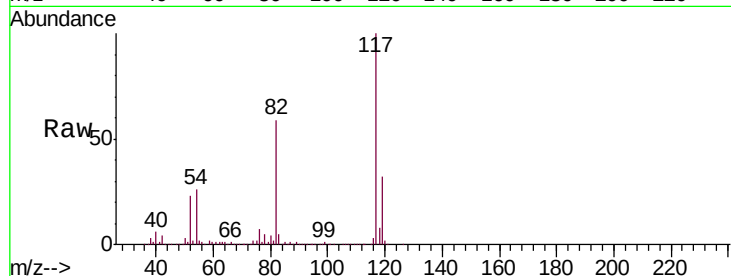




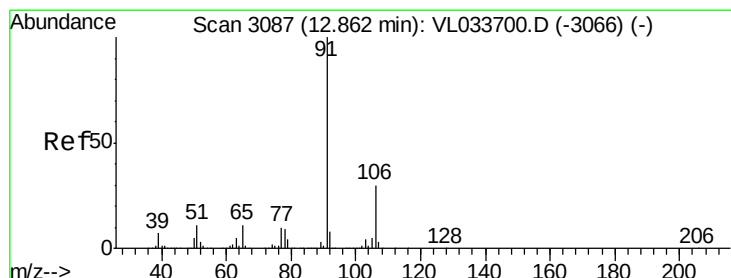
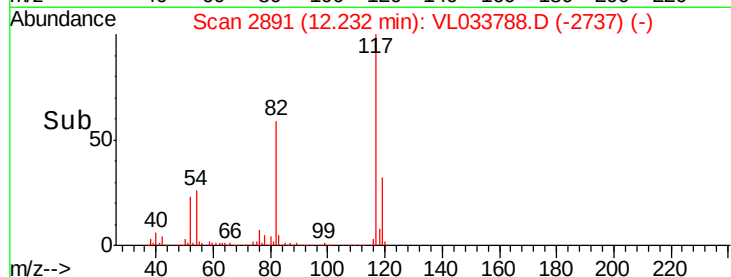
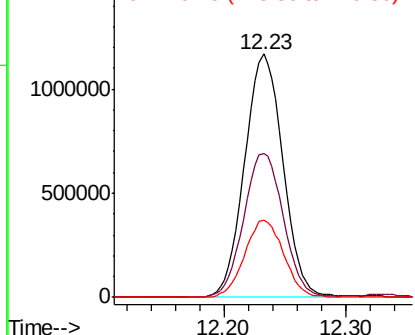
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55

Tgt Ion: 117 Resp: 2535225
Ion Ratio Lower Upper
117 100
82 61.1 49.4 74.0
119 32.5 24.9 37.3

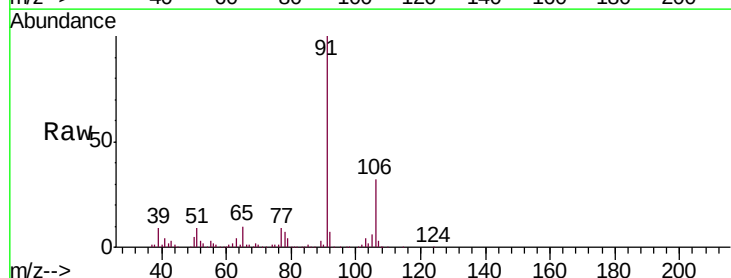


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

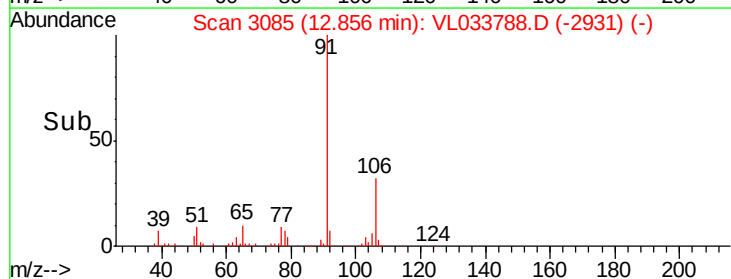
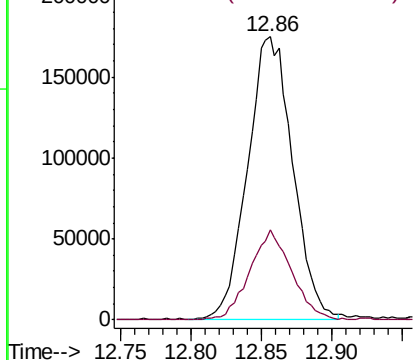


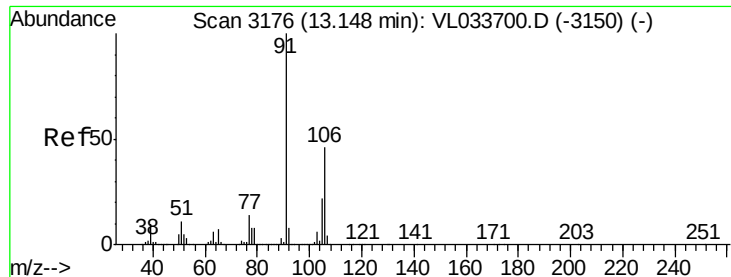
#58
Ethyl Benzene
Concen: 1.160 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033788.D
Acq: 24 May 2019 00:43

Tgt Ion: 91 Resp: 389320
Ion Ratio Lower Upper
91 100
106 31.9 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: 3.595 ppbv

RT: 13.11 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

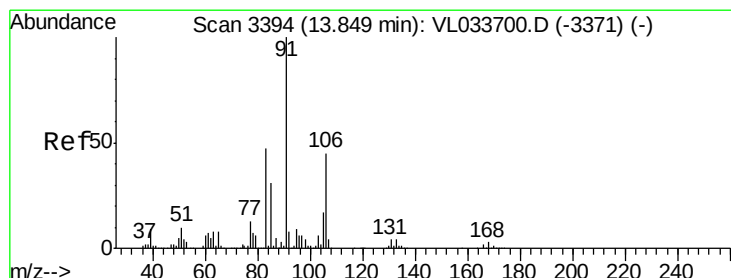
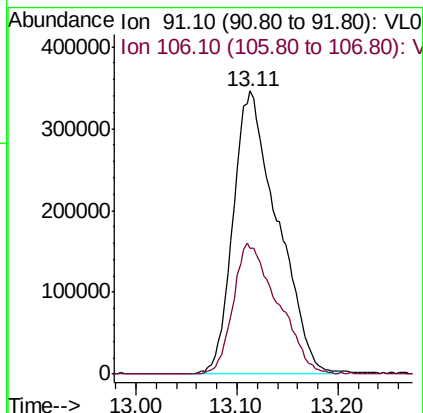
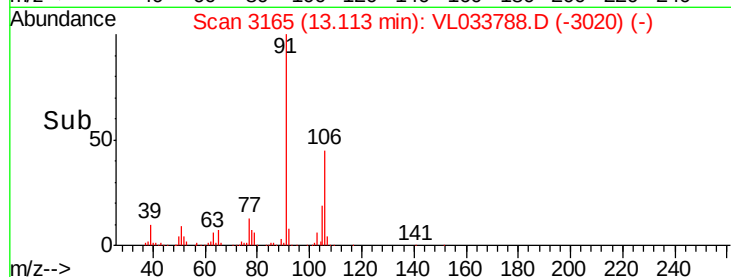
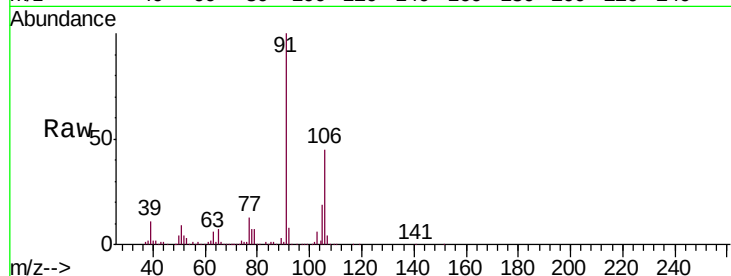
BPS1-SG-3005-55

Tgt Ion: 91 Resp: 1054976

Ion Ratio Lower Upper

91 100

106 46.8 35.8 53.6



#60

o-Xylene

Concen: 1.191 ppbv

RT: 13.84 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL033788.D

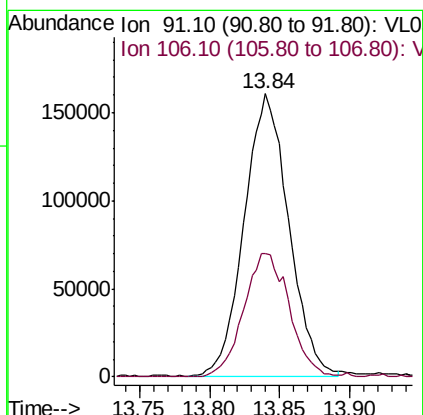
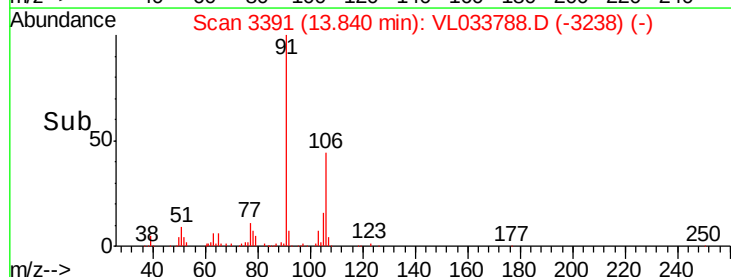
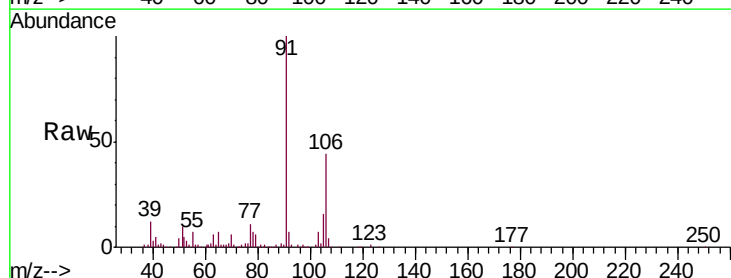
Acq: 24 May 2019 00:43

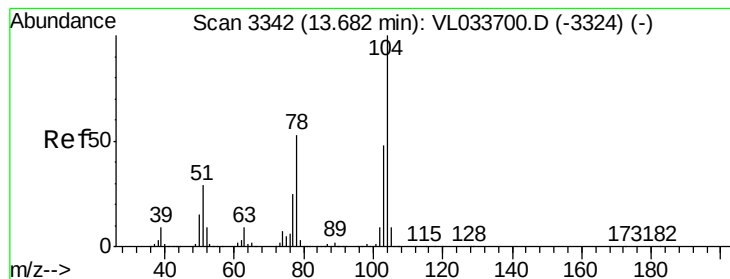
Tgt Ion: 91 Resp: 352407

Ion Ratio Lower Upper

91 100

106 45.7 21.6 64.8





#61

Styrene

Concen: 0.122 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

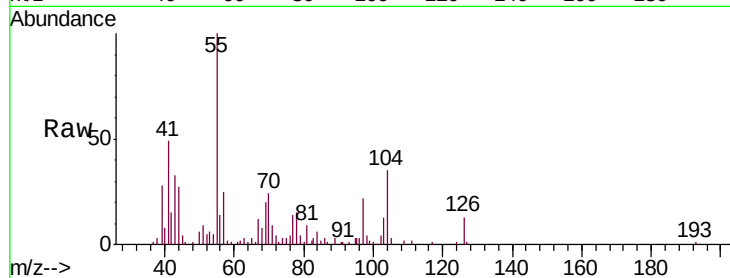
Tgt Ion:104 Resp: 24362

Ion Ratio Lower Upper

104 100

78 60.8 42.6 64.0

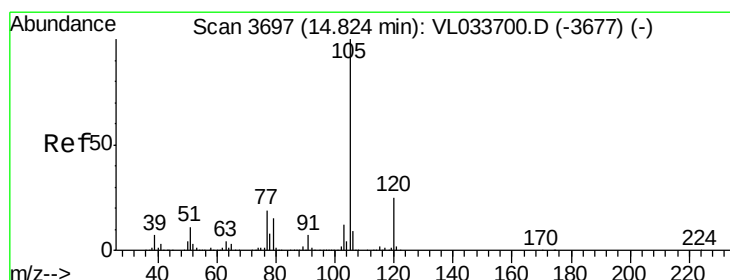
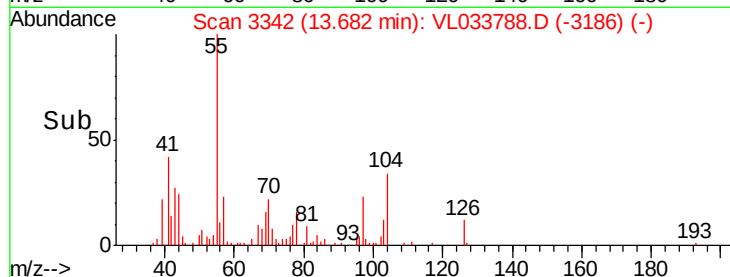
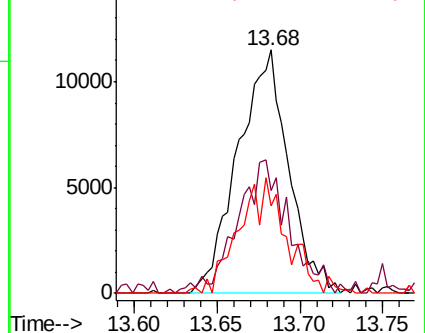
103 45.5 37.8 56.6



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: 0.099 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033788.D

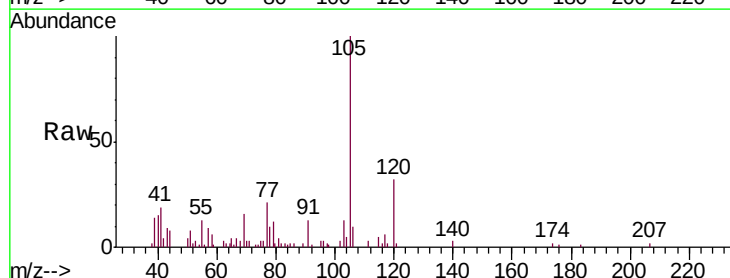
Acq: 24 May 2019 00:43

Tgt Ion:105 Resp: 39267

Ion Ratio Lower Upper

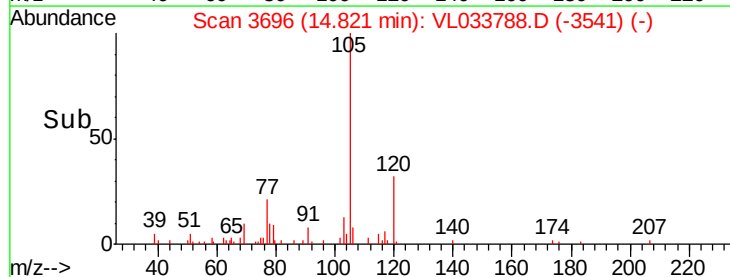
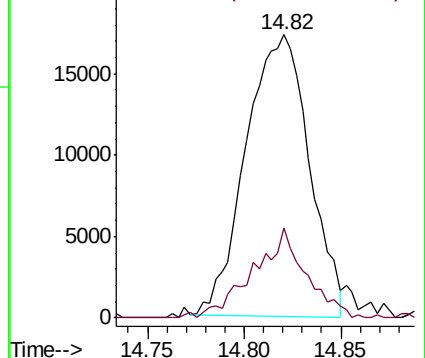
105 100

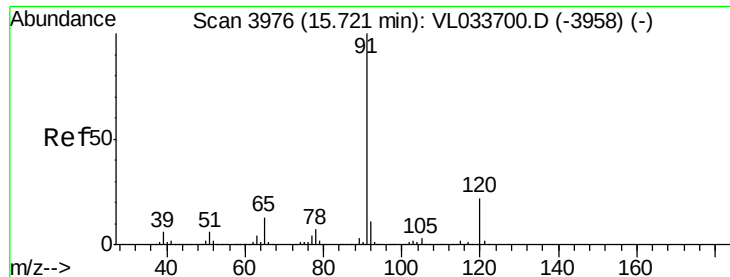
120 26.5 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.093 ppbv

RT: 15.71 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

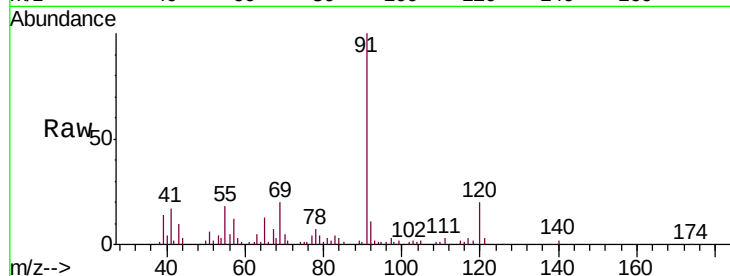
BPS1-SG-3005-55

Tgt Ion:120 Resp: 9571

Ion Ratio Lower Upper

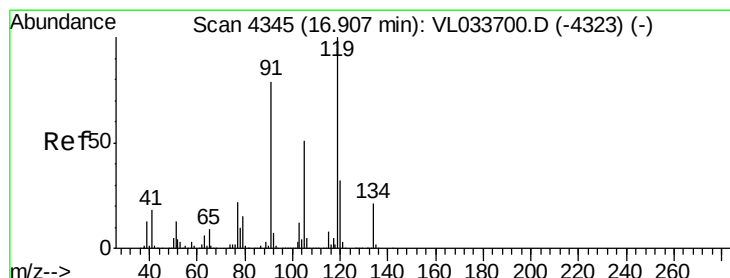
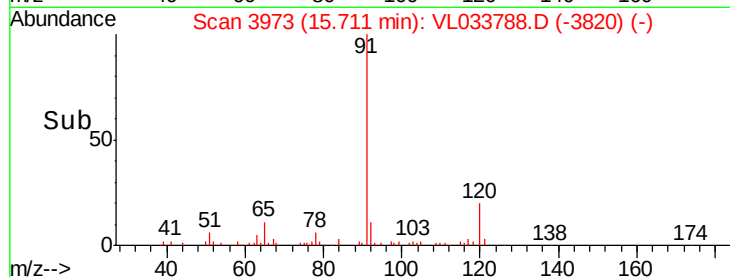
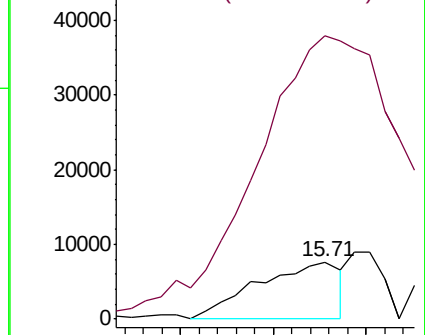
120 100

91 986.3 379.1 568.7#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.040 ppbv

RT: 16.91 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

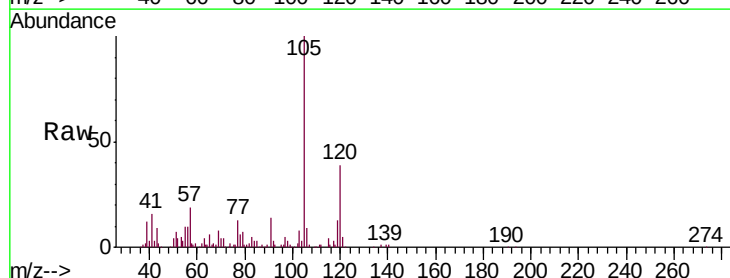
Tgt Ion:119 Resp: 14677

Ion Ratio Lower Upper

119 100

91 167.5 65.3 97.9#

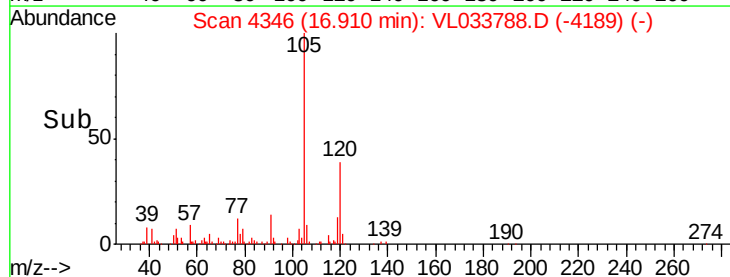
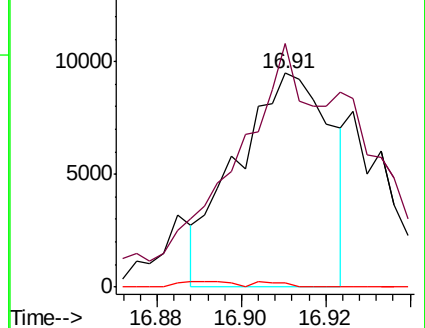
134 2.2 15.7 23.5#

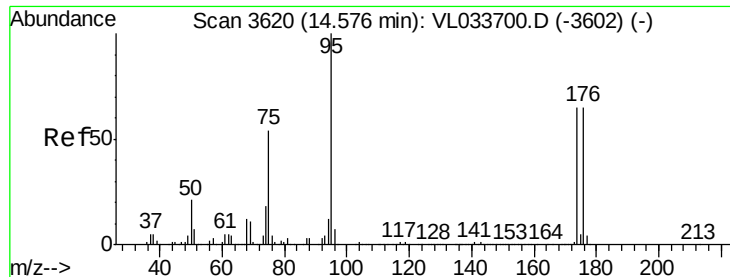


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.639 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

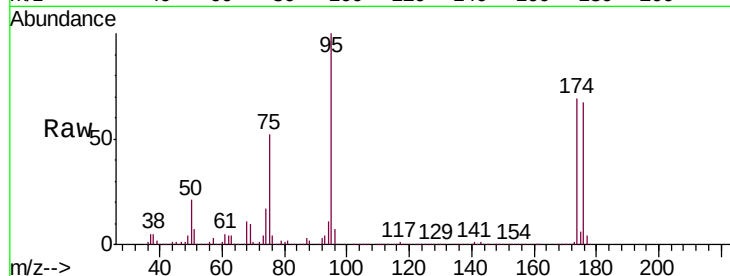
Tgt Ion: 95 Resp: 1981022

Ion Ratio Lower Upper

95 100

174 70.2 53.9 80.9

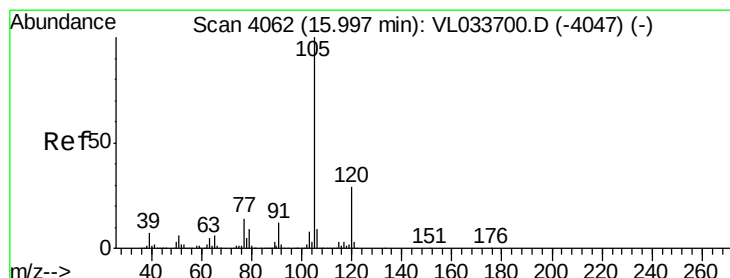
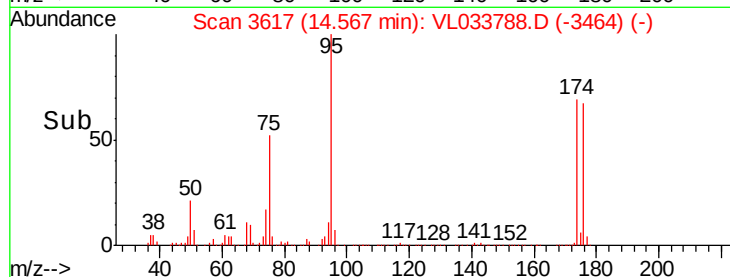
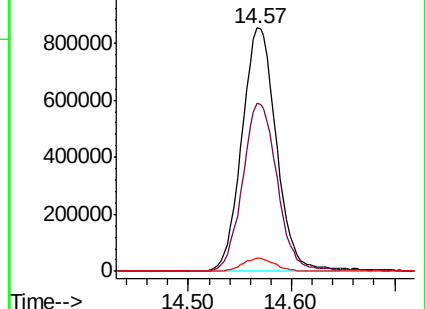
175 5.2 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.282 ppbv

RT: 15.99 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Tgt Ion: 105 Resp: 95435

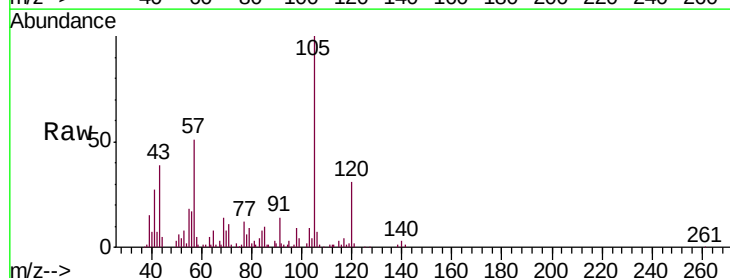
Ion Ratio Lower Upper

105 100

120 33.7 23.1 34.7

91 14.1 10.4 15.6

77 14.2 11.0 16.6

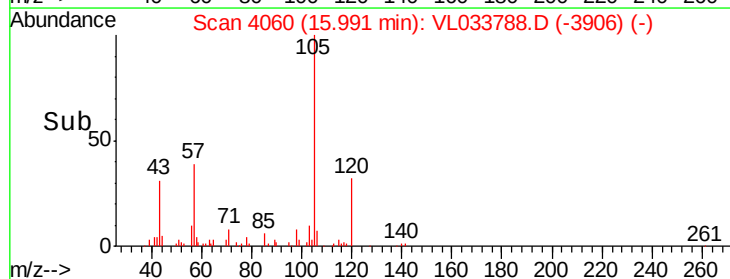
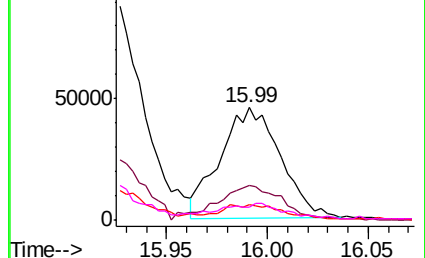


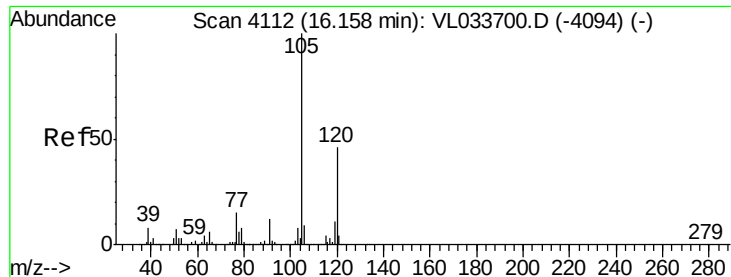
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

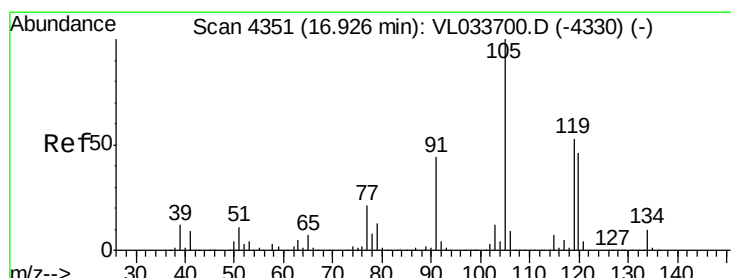
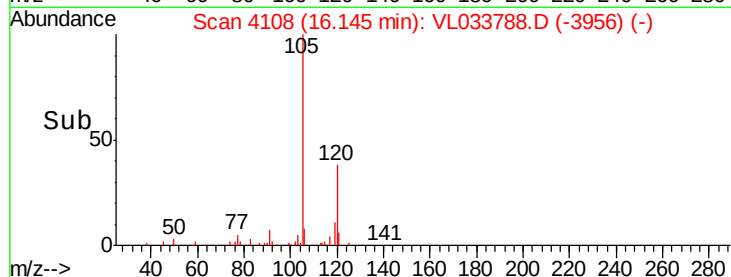
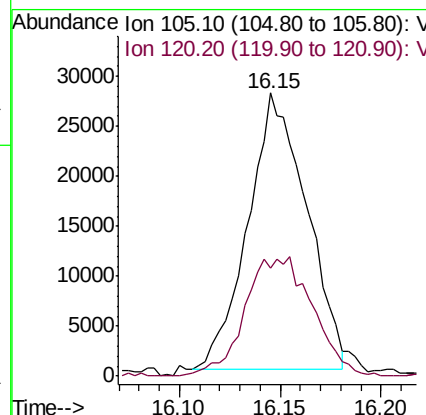
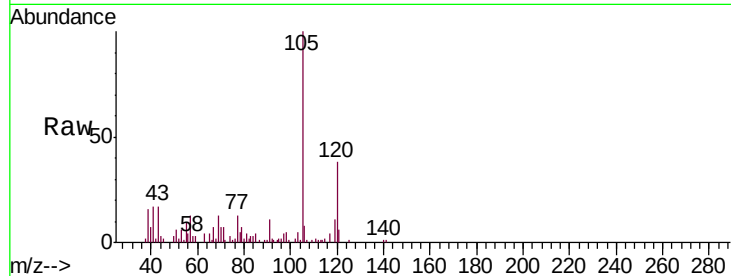




#73
 1,3,5-Trimethylbenzene
 Concen: 0.170 ppbv
 RT: 16.15 min Scan# 4108
 Delta R.T. -0.01 min
 Lab File: VL033788.D
 Acq: 24 May 2019 00:43

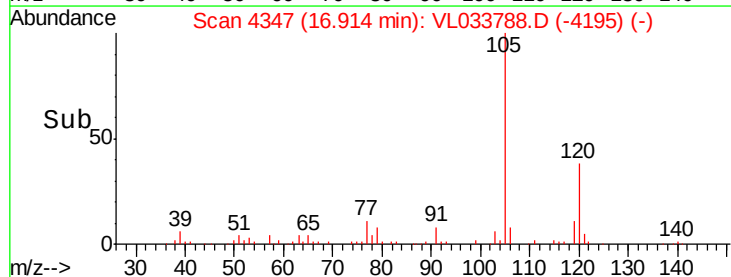
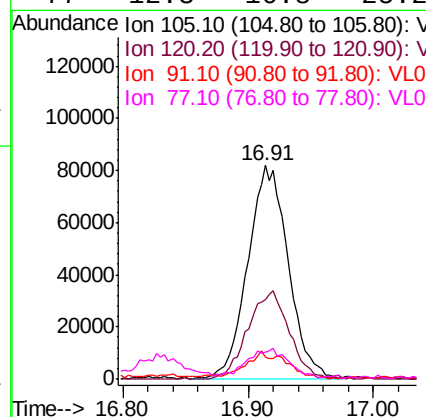
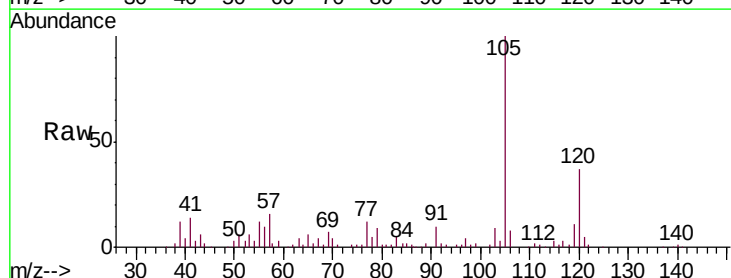
Instrument :
 MSVOA_L
 ClientSampleId :
 BPS1-SG-3005-55

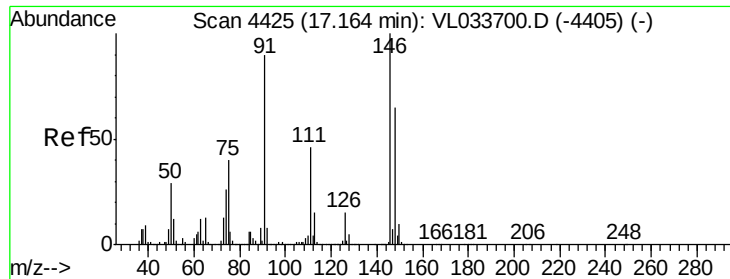
Tgt Ion:105 Resp: 56070
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.512 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL033788.D
 Acq: 24 May 2019 00:43

Tgt Ion:105 Resp: 183966
 Ion Ratio Lower Upper
 105 100
 120 37.4 36.8 55.2
 91 9.3 35.4 53.0#
 77 12.3 16.8 25.2#





#75

1,3-Dichlorobenzene

Concen: 0.055 ppbv

RT: 17.15 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_L

ClientSampleId :

BPS1-SG-3005-55

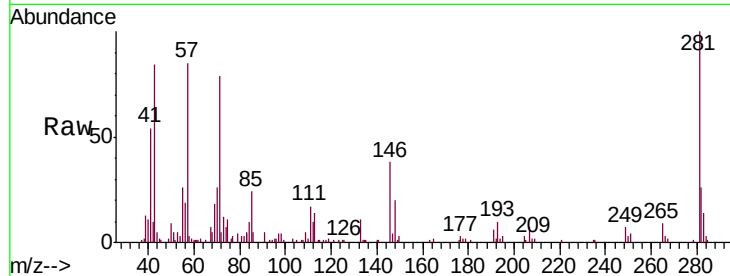
Tgt Ion:146 Resp: 12110

Ion Ratio Lower Upper

146 100

111 140.9 22.9 68.8#

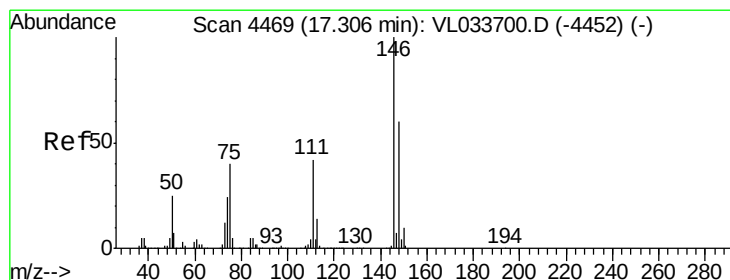
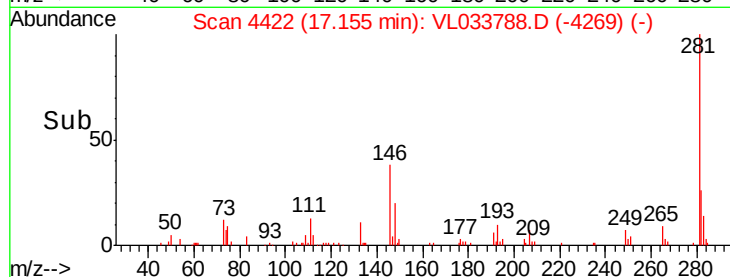
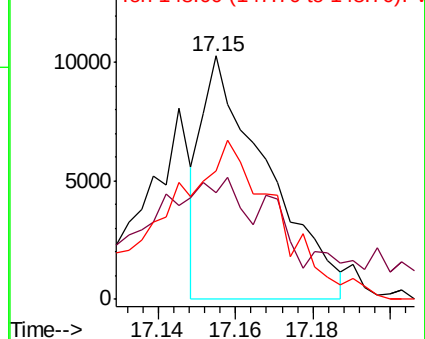
148 123.6 32.0 96.2#



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: 0.031 ppbv

RT: 17.30 min Scan# 4466

Delta R.T. -0.01 min

Lab File: VL033788.D

Acq: 24 May 2019 00:43

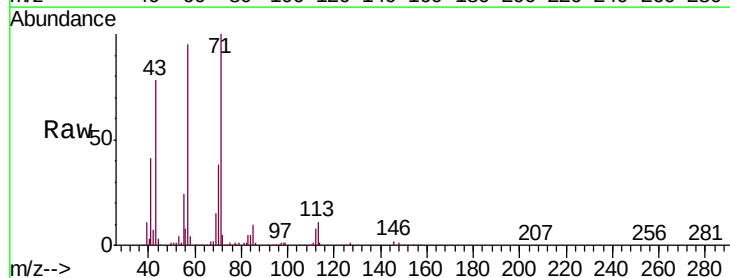
Tgt Ion:146 Resp: 6483

Ion Ratio Lower Upper

146 100

111 133.1 21.9 65.8#

148 99.1 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

