

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031269.D
 Acq On : 20 Dec 2017 14:06
 Operator : SY/AP
 Sample : I6960-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 T5P2

Quant Time: Dec 21 08:34:48 2017
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1747436	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3984584	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3868828	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3071293	11.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.60%

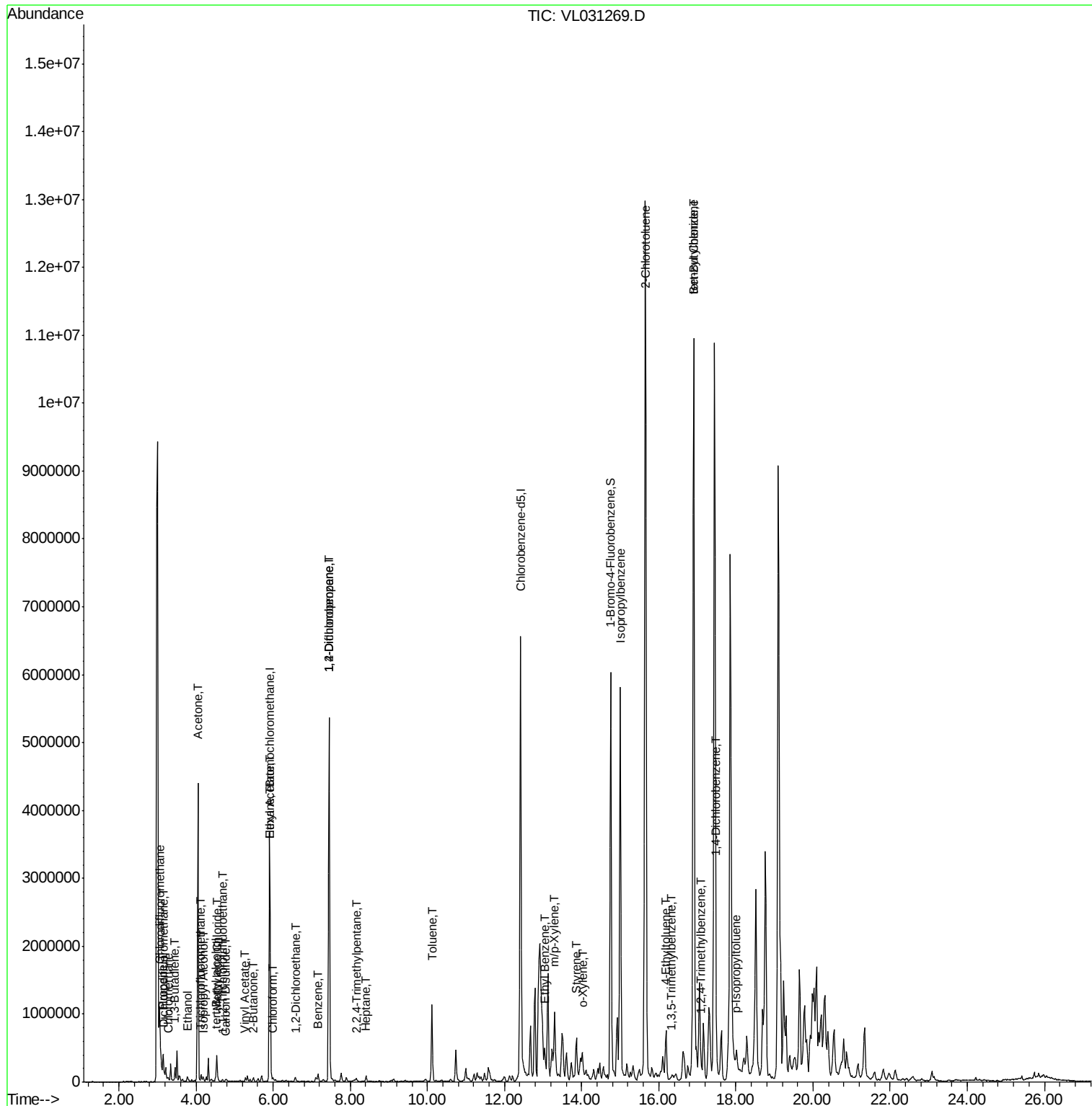
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.18	85	54280	0.37	ppbv	95
3) Chlorodifluoromethane	3.06	51	781590	3.93	ppbv #	63
4) Chloromethane	3.28	50	22039	0.21	ppbv	94
9) Propene	3.14	41	104363	1.07	ppbv	88
10) Heptane	8.41	43	17875	0.06	ppbv #	48
11) Trichlorofluoromethane	4.13	101	59611	0.25	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.69	101	8333	0.05	ppbv #	64
13) Ethanol	3.78	45	81888	2.91	ppbv	99
15) Acetone	4.05	43	1837362	7.97	ppbv #	66
16) 1,3-Butadiene	3.45	39	60367	0.61	ppbv #	28
17) tert-Butyl alcohol	4.51	59	38394	0.30	ppbv #	73
19) Isopropyl Alcohol	4.17	45	6496	0.04	ppbv #	41
20) Methylene Chloride	4.54	84	132443	1.74	ppbv	91
23) Vinyl Acetate	5.29	43	14204	0.04	ppbv #	1
25) Ethyl Acetate	5.93	43	90178	0.19	ppbv #	86
26) Hexane	5.93	57	108806	0.49	ppbv #	45
27) Carbon Disulfide	4.76	76	8756	0.04	ppbv #	38
29) Chloroform	6.00	83	11106	0.04	ppbv	88
34) 2-Butanone	5.49	43	69348	0.25	ppbv	95
36) Benzene	7.16	78	85624	0.20	ppbv #	93
37) 1,2-Dichloroethane	6.57	62	25978	0.11	ppbv	97
39) 1,2-Dichloropropane	7.45	63	1027824	6.88	ppbv #	27
44) 2,2,4-Trimethylpentane	8.15	57	20460	0.03	ppbv #	20
53) Toluene	10.12	91	884452	1.93	ppbv	98
58) Ethyl Benzene	13.04	91	206502	0.32	ppbv	96
59) m/p-Xylene	13.30	91	392166	0.77	ppbv	98
60) o-Xylene	14.02	91	87510	0.17	ppbv #	31
61) Styrene	13.86	104	297674	2.01	ppbv	96
62) Isopropylbenzene	15.00	105	5218580	7.72	ppbv	99
65) tert-Butylbenzene	16.91	119	278137	0.46	ppbv #	1
66) Benzyl Chloride	16.90	91	2002499	31.04	ppbv #	64
69) p-Isopropyltoluene	17.99	119	23638	0.03	ppbv #	83
71) 2-Chlorotoluene	15.66	91	3406808	6.79	ppbv #	43
72) 4-Ethyltoluene	16.18	105	32291	0.06	ppbv #	83
73) 1,3,5-Trimethylbenzene	16.33	105	15212	0.03	ppbv #	83
74) 1,2,4-Trimethylbenzene	17.10	105	33079	0.06	ppbv #	71
76) 1,4-Dichlorobenzene	17.49	146	33187	0.10	ppbv #	68

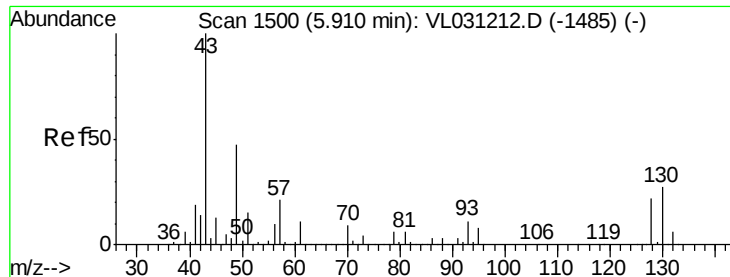
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\  
Data File : VL031269.D  
Acq On    : 20 Dec 2017  14:06  
Operator  : SY/AP  
Sample    : I6960-01  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_L
ClientSampleId :
T5P2

Quant Time: Dec 21 08:34:48 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

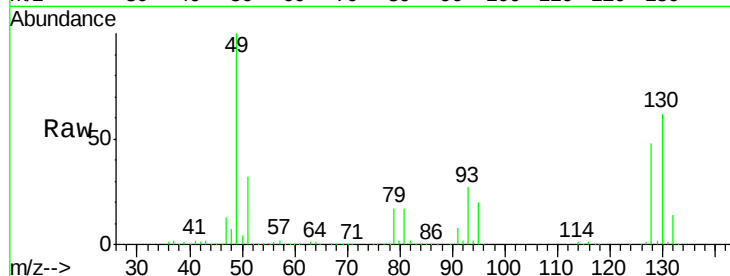
Tgt Ion: 49 Resp: 1747436

Ion Ratio Lower Upper

49 100

128 47.2 23.2 69.5

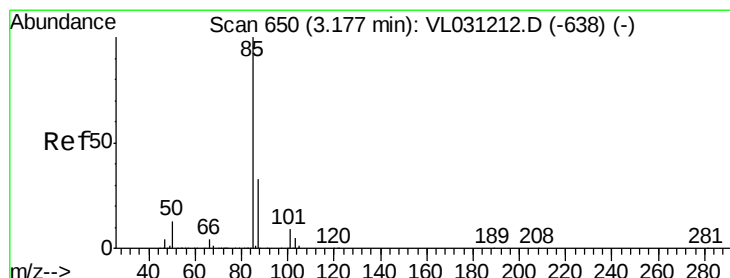
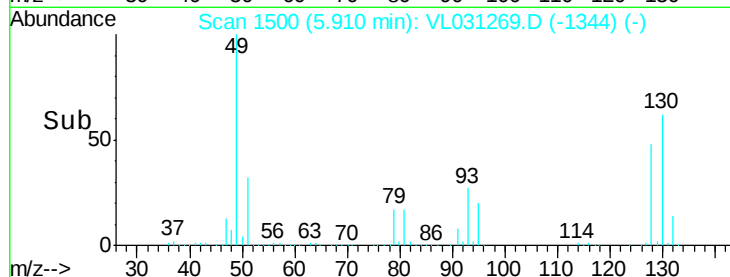
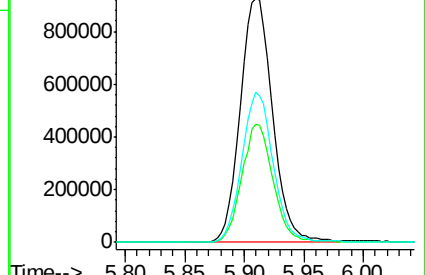
130 60.1 29.6 88.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.37 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031269.D

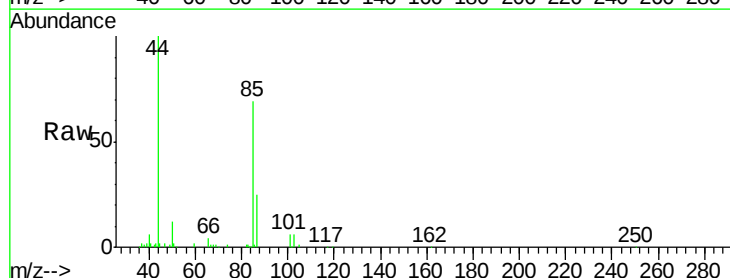
Acq: 20 Dec 2017 14:06

Tgt Ion: 85 Resp: 54280

Ion Ratio Lower Upper

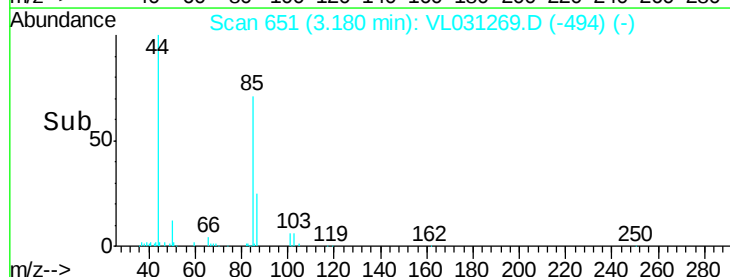
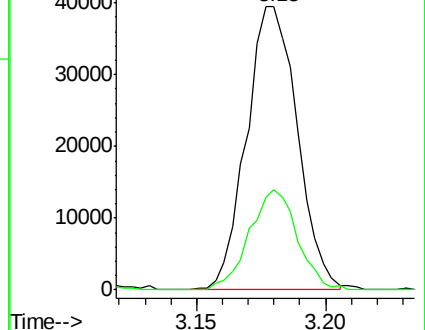
85 100

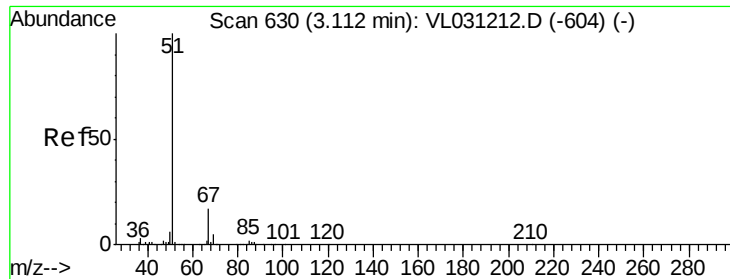
87 35.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.93 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.05 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

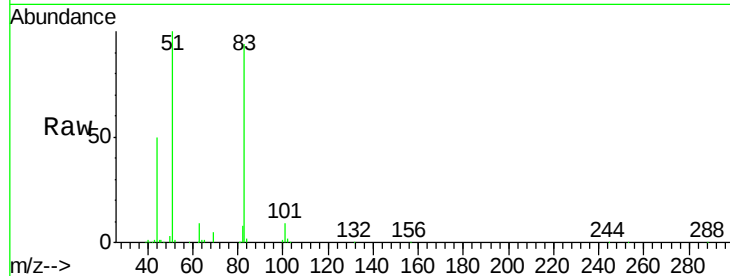
T5P2

Tgt Ion: 51 Resp: 781590

Ion Ratio Lower Upper

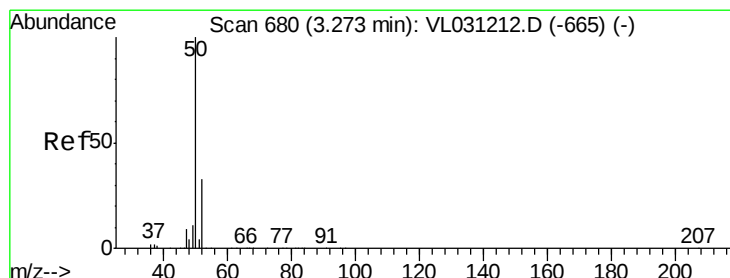
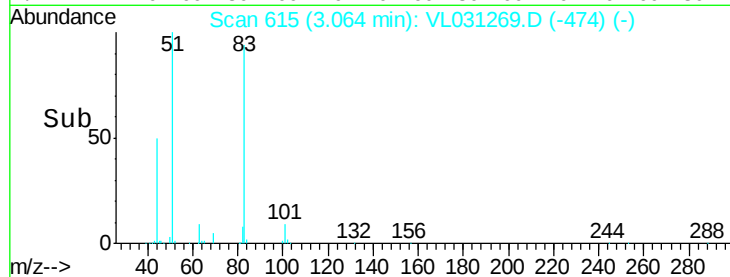
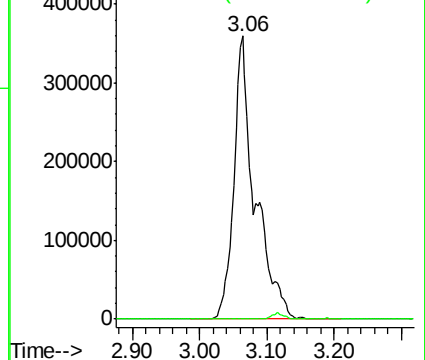
51 100

67 1.3 13.8 20.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.21 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031269.D

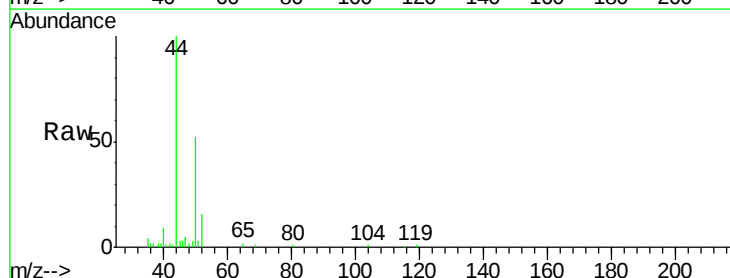
Acq: 20 Dec 2017 14:06

Tgt Ion: 50 Resp: 22039

Ion Ratio Lower Upper

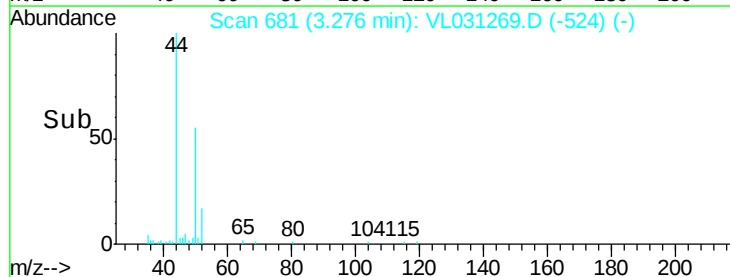
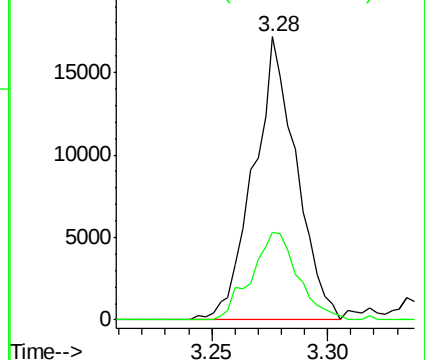
50 100

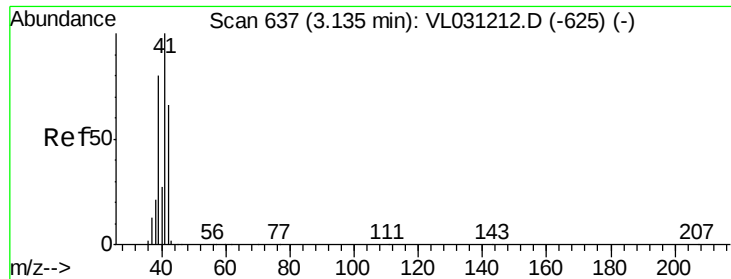
52 29.5 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.07 ppbv

RT: 3.14 min Scan# 639

Delta R.T. 0.01 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

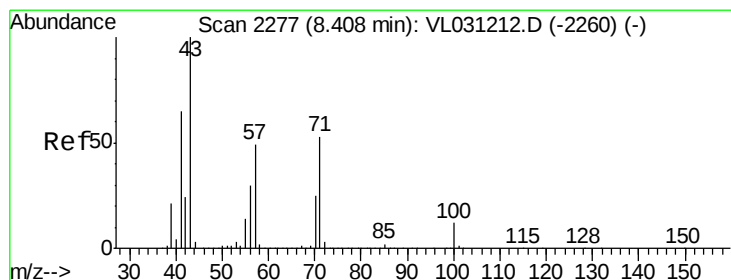
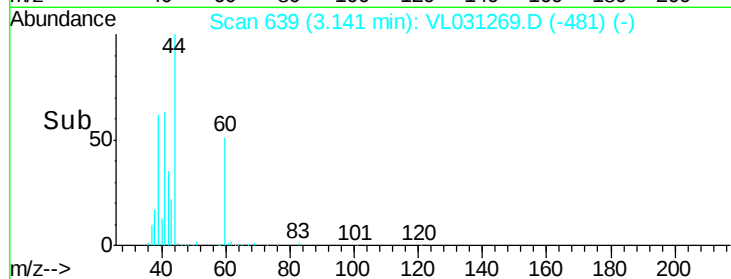
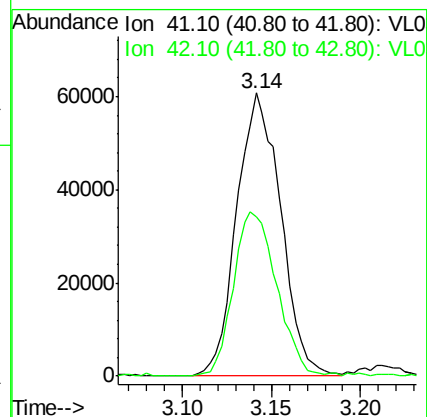
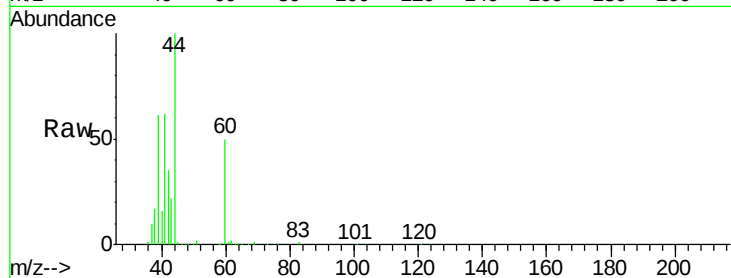
T5P2

Tgt Ion: 41 Resp: 104363

Ion Ratio Lower Upper

41 100

42 57.9 54.3 81.5



#10

Heptane

Concen: 0.06 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031269.D

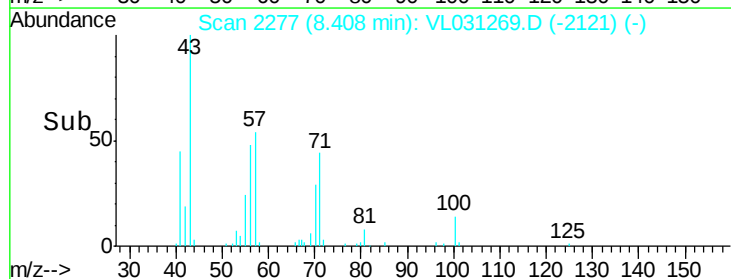
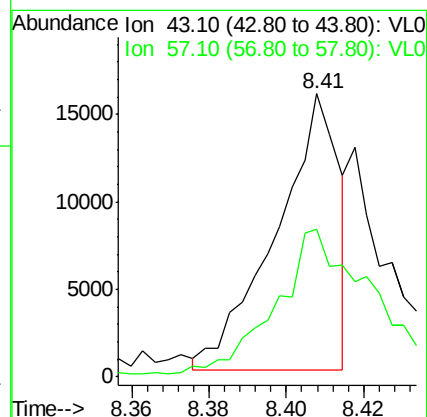
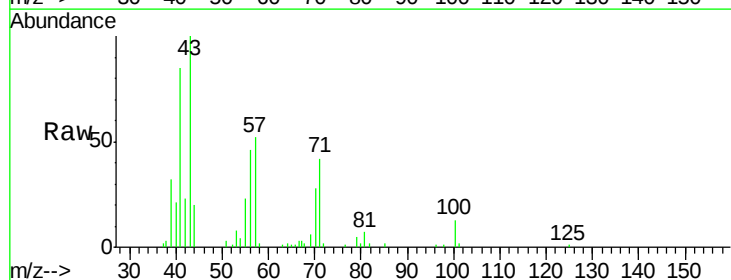
Acq: 20 Dec 2017 14:06

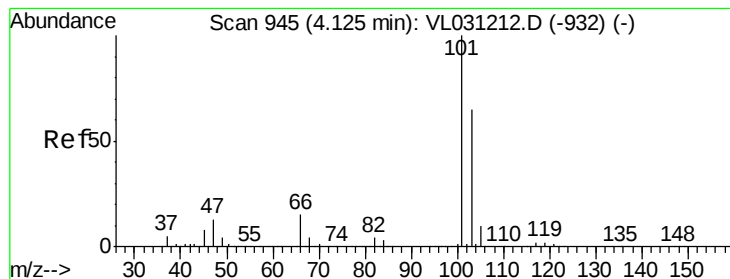
Tgt Ion: 43 Resp: 17875

Ion Ratio Lower Upper

43 100

57 85.5 39.8 59.8#





#11

Trichlorofluoromethane

Concen: 0.25 ppbv

RT: 4.13 min Scan# 946

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

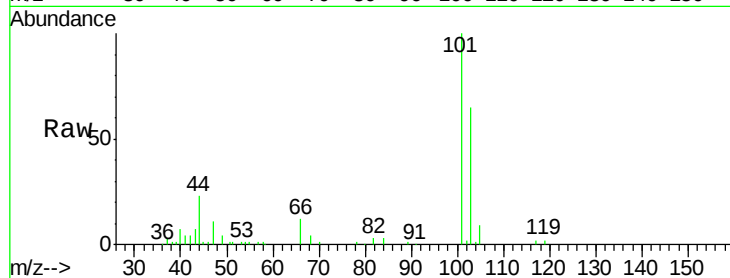
T5P2

Tgt Ion:101 Resp: 59611

Ion Ratio Lower Upper

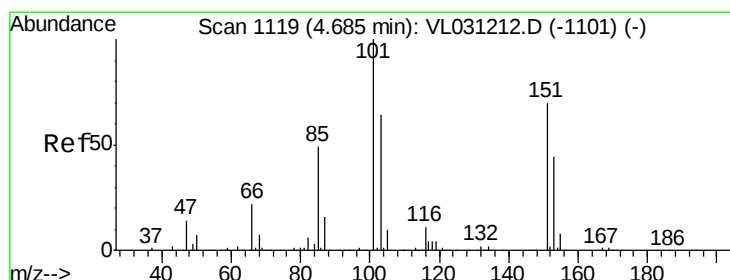
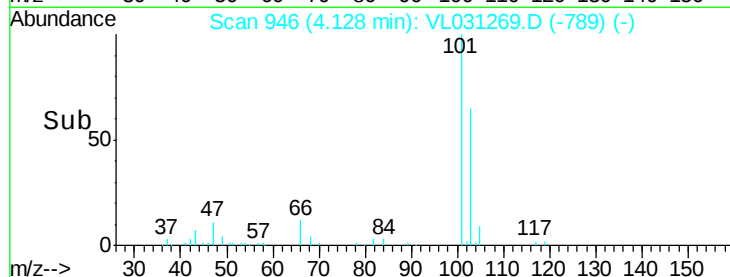
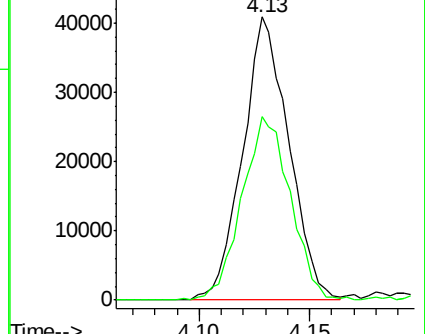
101 100

103 64.6 51.8 77.8



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: 0.05 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL031269.D

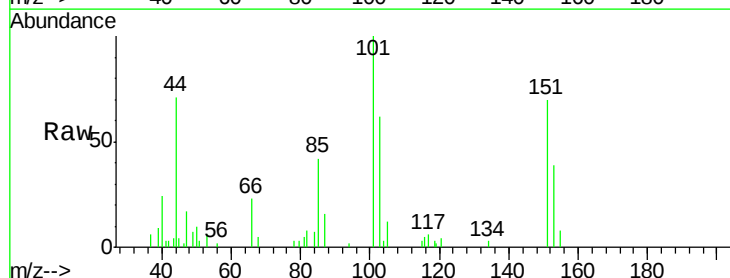
Acq: 20 Dec 2017 14:06

Tgt Ion:101 Resp: 8333

Ion Ratio Lower Upper

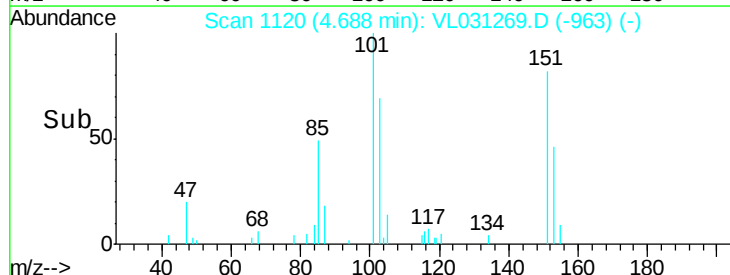
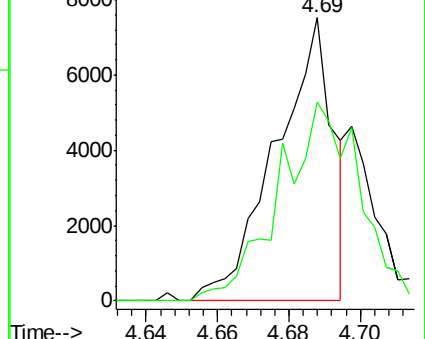
101 100

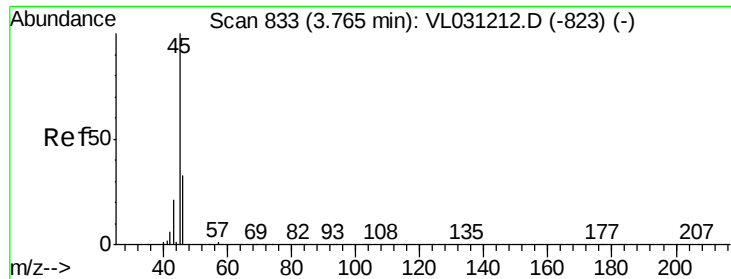
151 100.2 56.5 84.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.91 ppbv

RT: 3.78 min Scan# 837

Delta R.T. 0.01 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

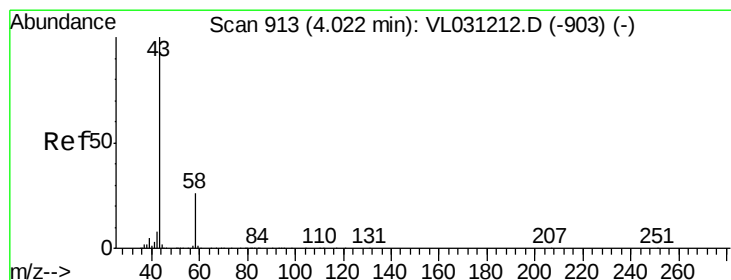
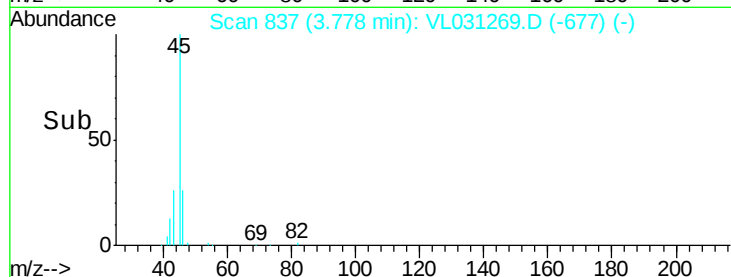
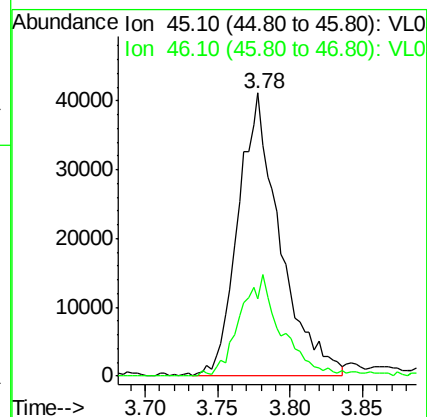
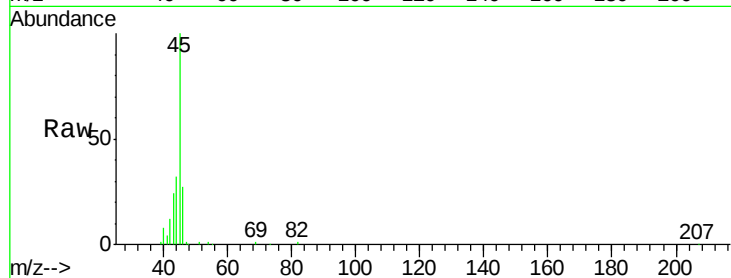
T5P2

Tgt Ion: 45 Resp: 81888

Ion Ratio Lower Upper

45 100

46 37.0 14.6 58.4



#15

Acetone

Concen: 7.97 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.03 min

Lab File: VL031269.D

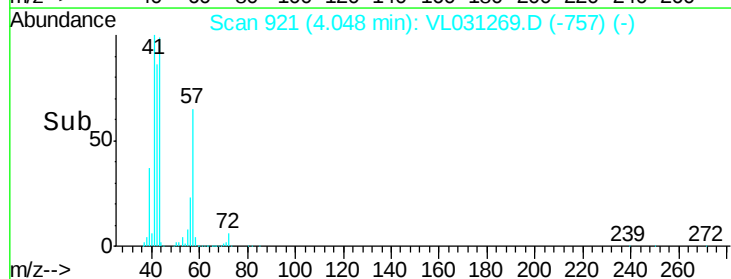
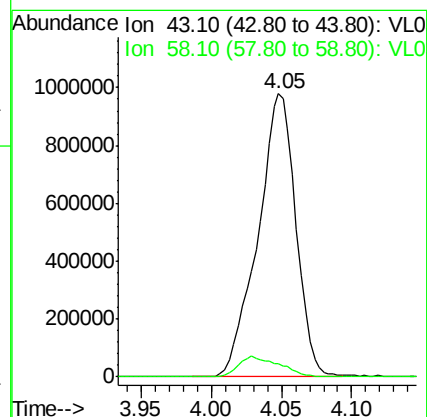
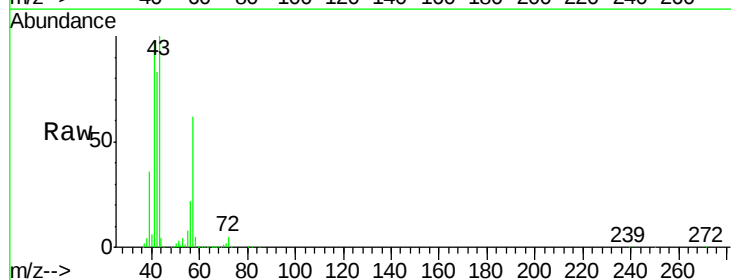
Acq: 20 Dec 2017 14:06

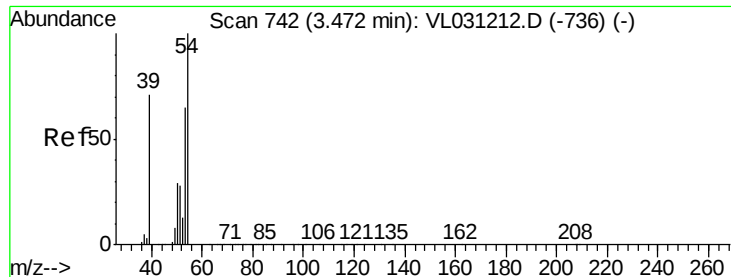
Tgt Ion: 43 Resp: 1837362

Ion Ratio Lower Upper

43 100

58 8.0 20.3 30.5#

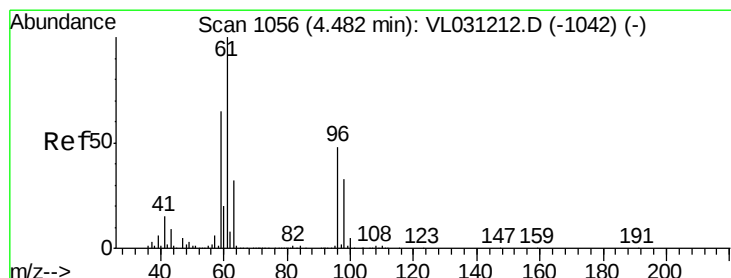
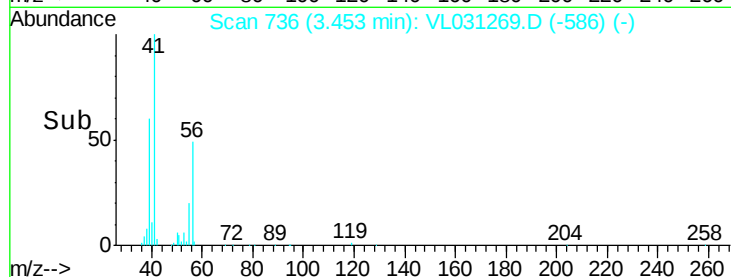
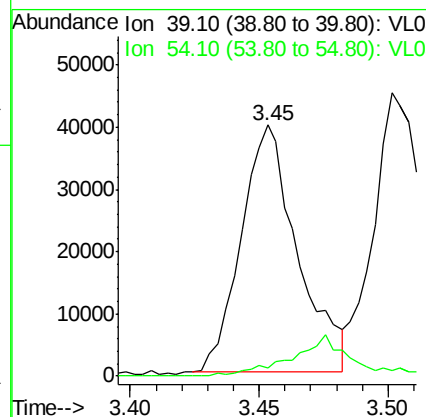
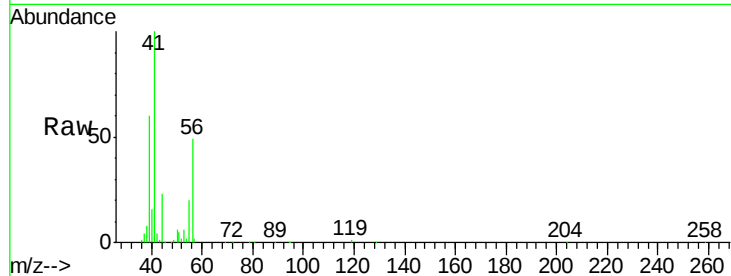




#16
 1,3-Butadiene
 Concen: 0.61 ppbv
 RT: 3.45 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

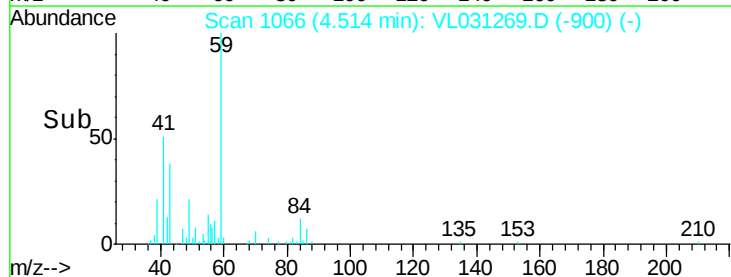
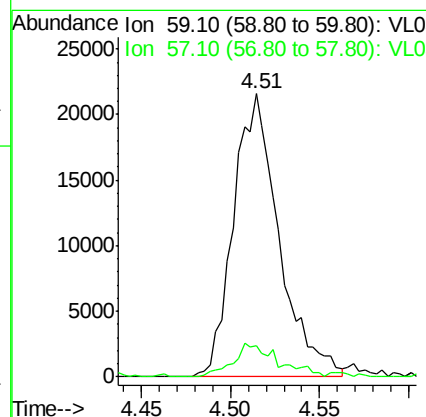
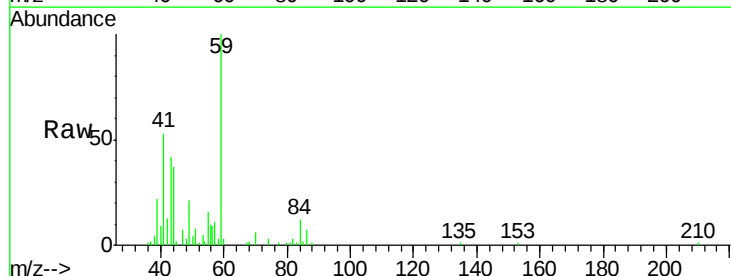
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P2

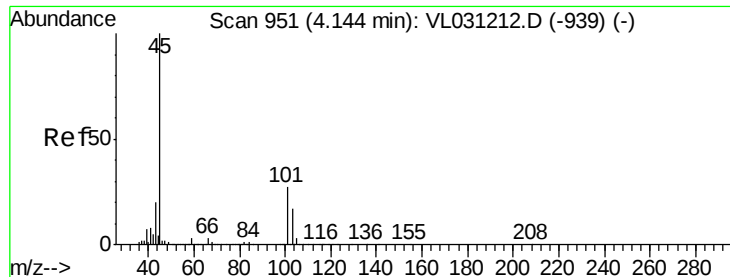
Tgt Ion: 39 Resp: 60367
 Ion Ratio Lower Upper
 39 100
 54 17.9 66.4 99.6#



#17
 tert-Butyl alcohol
 Concen: 0.30 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. 0.03 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

Tgt Ion: 59 Resp: 38394
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 0.04 ppbv

RT: 4.17 min Scan# 960

Delta R.T. 0.03 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampled :

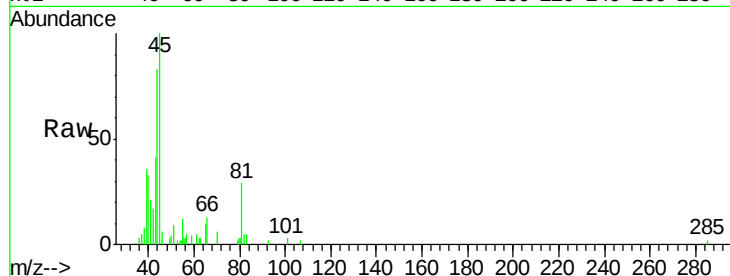
T5P2

Tgt Ion: 45 Resp: 6496

Ion Ratio Lower Upper

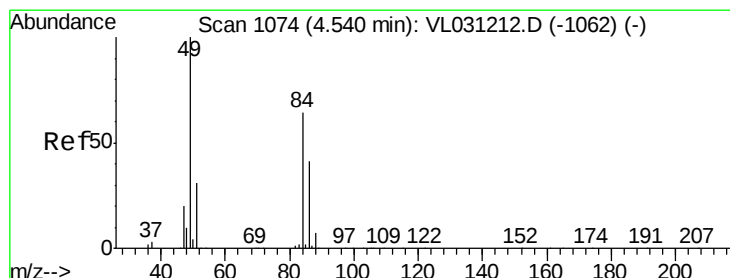
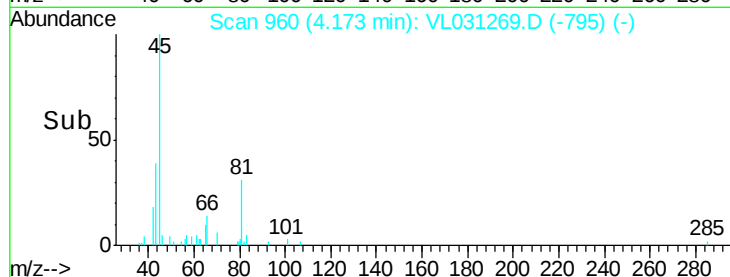
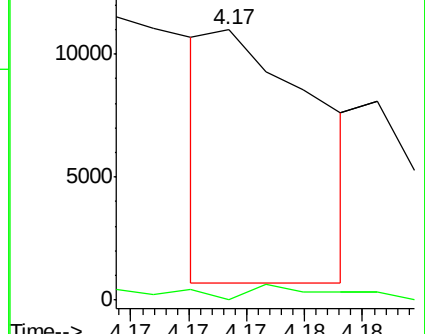
45 100

58 0.0 27.2 40.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.74 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Tgt Ion: 84 Resp: 132443

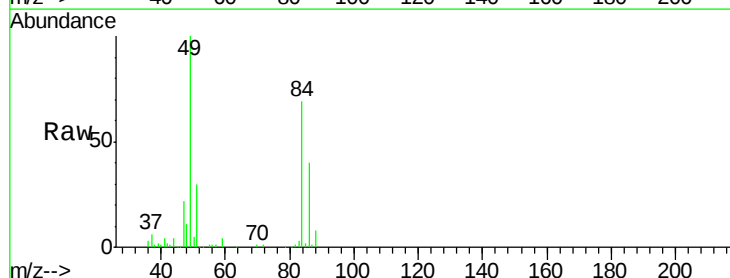
Ion Ratio Lower Upper

84 100

49 145.1 125.8 188.6

51 43.2 39.3 58.9

86 58.8 51.1 76.7

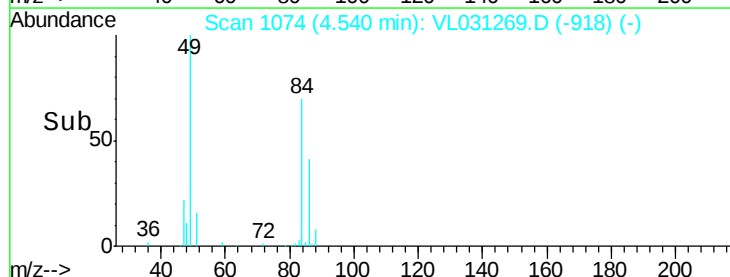
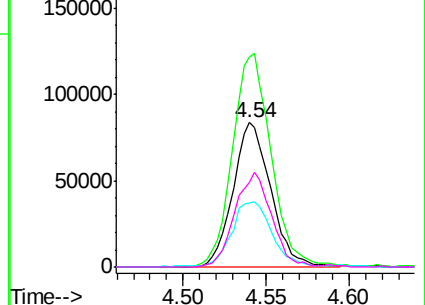


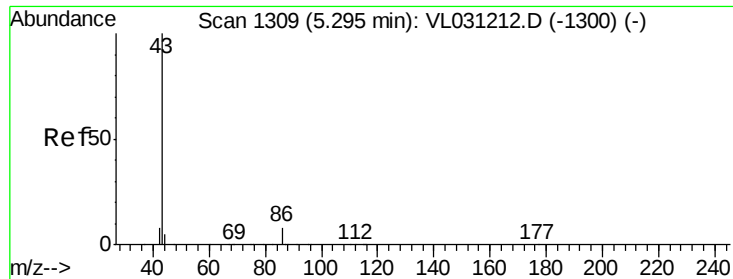
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#23

Vinyl Acetate

Concen: 0.04 ppbv

RT: 5.29 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

Tgt Ion: 43 Resp: 14204

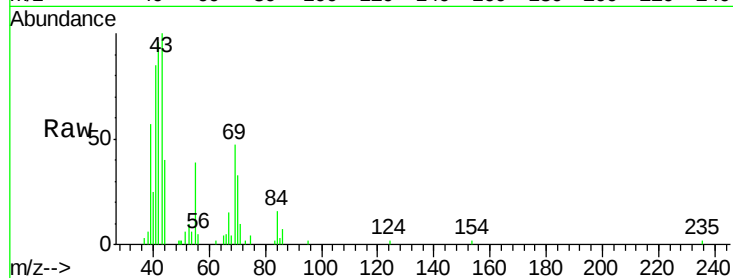
Ion Ratio Lower Upper

43 100

86 7.3 5.9 8.9

42 96.1 7.3 10.9#

44 12.5 3.7 5.5#

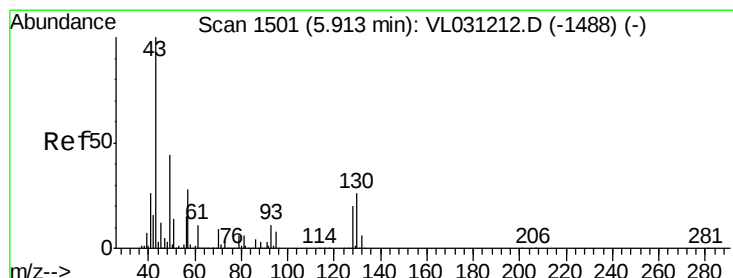
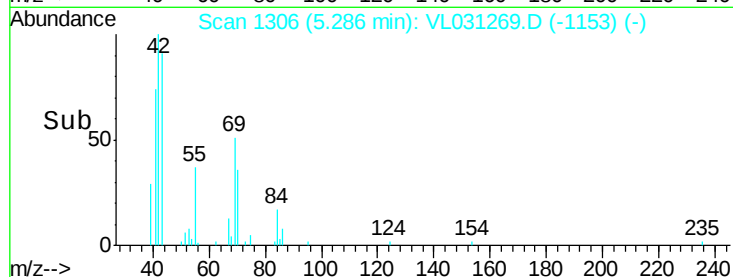
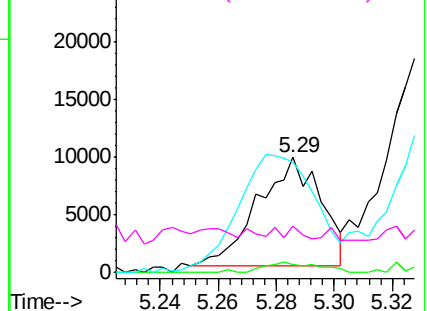


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.19 ppbv

RT: 5.93 min Scan# 1506

Delta R.T. 0.02 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Tgt Ion: 43 Resp: 90178

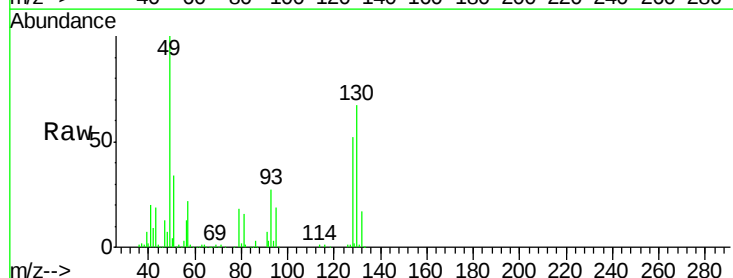
Ion Ratio Lower Upper

43 100

45 5.4 8.0 12.0#

61 2.6 7.4 11.0#

70 3.3 5.8 8.8#

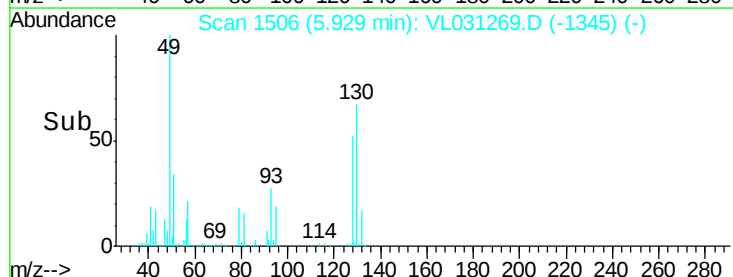
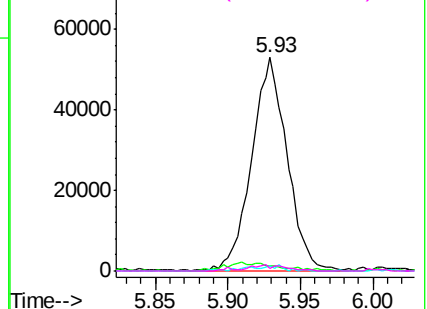


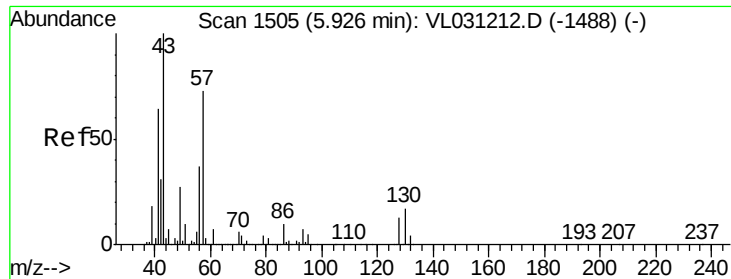
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

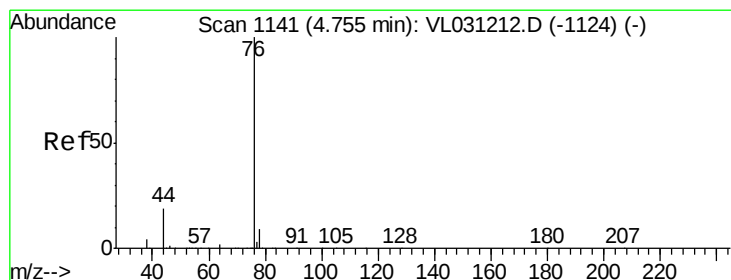
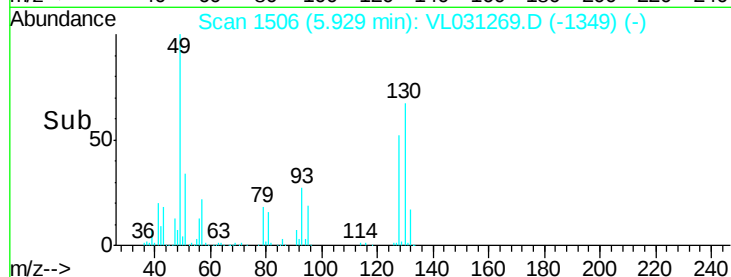
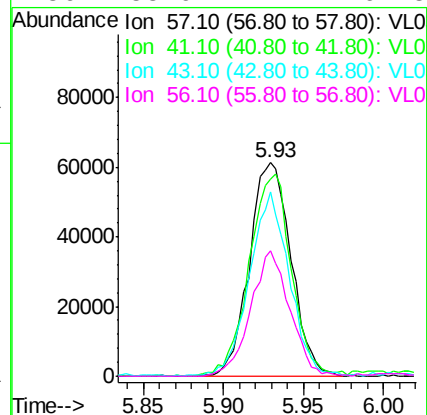
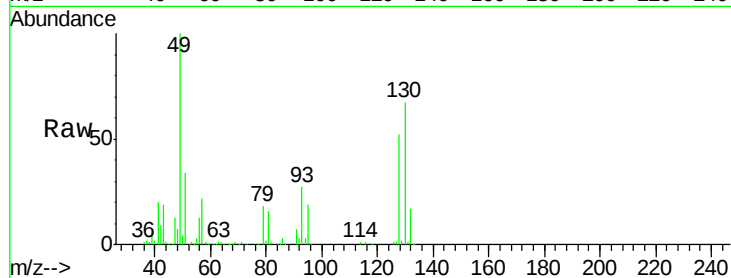




#26
Hexane
Concen: 0.49 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

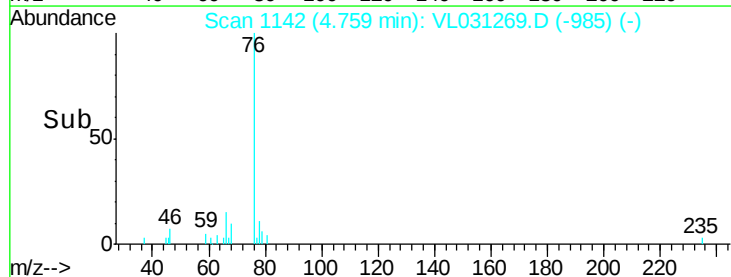
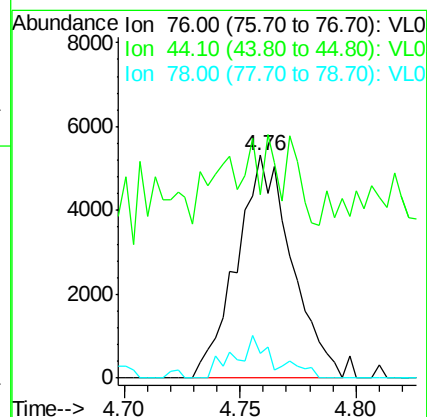
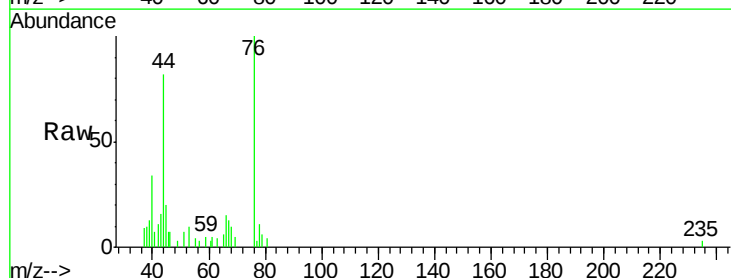
Instrument :
MSVOA_L
ClientSampleId :
T5P2

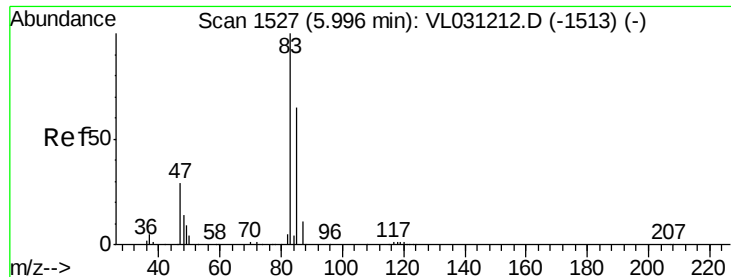
Tgt Ion: 57 Resp: 108806
Ion Ratio Lower Upper
57 100
41 98.5 70.3 105.5
43 81.8 173.8 260.8#
56 55.9 41.7 62.5



#27
Carbon Disulfide
Concen: 0.04 ppbv
RT: 4.76 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

Tgt Ion: 76 Resp: 8756
Ion Ratio Lower Upper
76 100
44 59.4 16.0 24.0#
78 13.8 7.5 11.3#

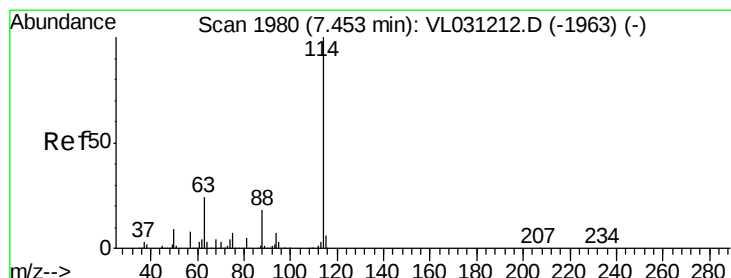
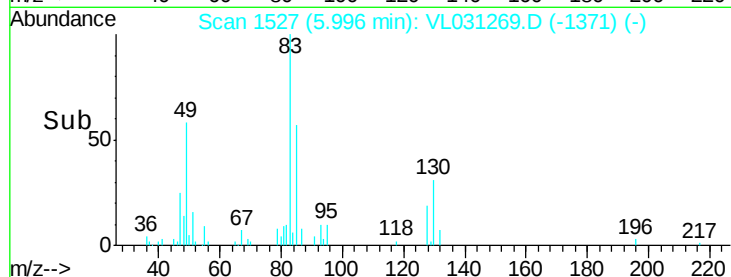
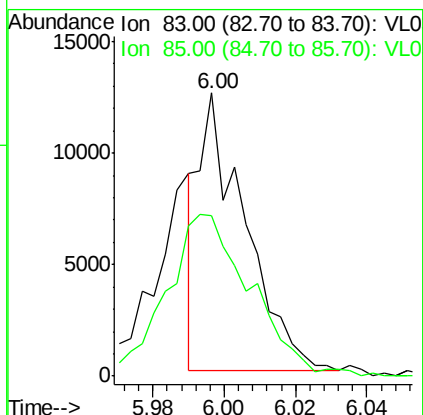
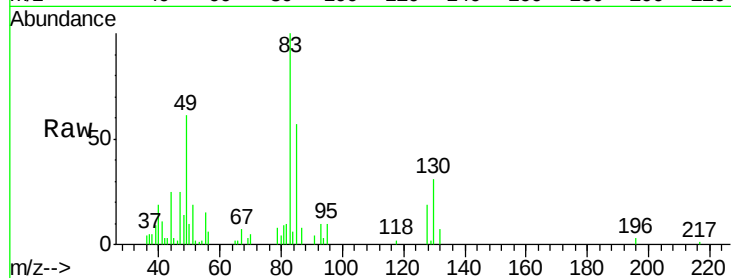




#29
Chloroform
Concen: 0.04 ppbv
RT: 6.00 min Scan# 1527
Delta R.T. 0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

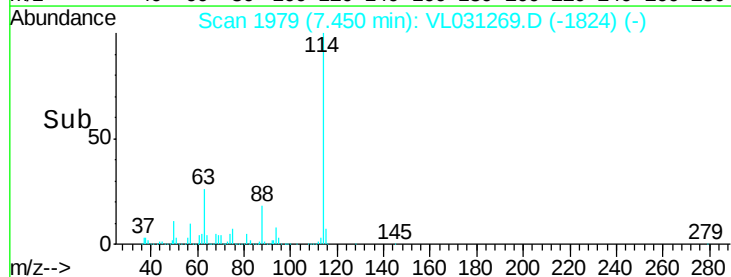
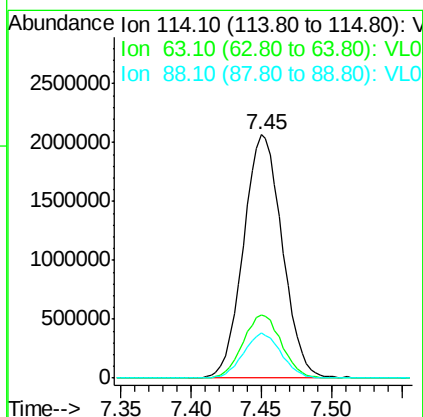
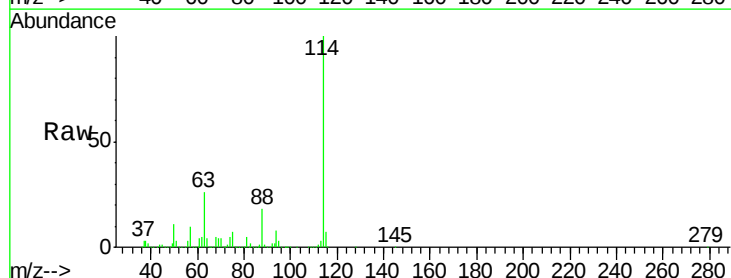
Instrument :
MSVOA_L
ClientSampleId :
T5P2

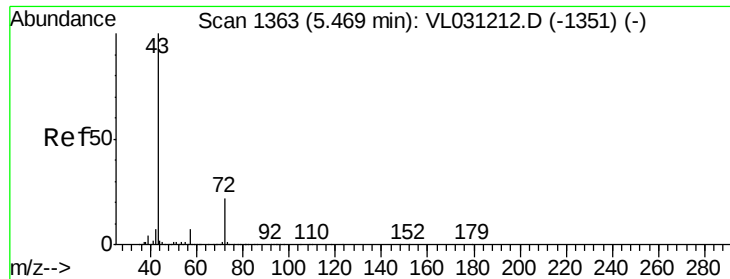
Tgt Ion: 83 Resp: 11106
Ion Ratio Lower Upper
83 100
85 55.1 51.8 77.6



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.45 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

Tgt Ion: 114 Resp: 3984584
Ion Ratio Lower Upper
114 100
63 26.1 19.8 29.8
88 18.1 14.2 21.4

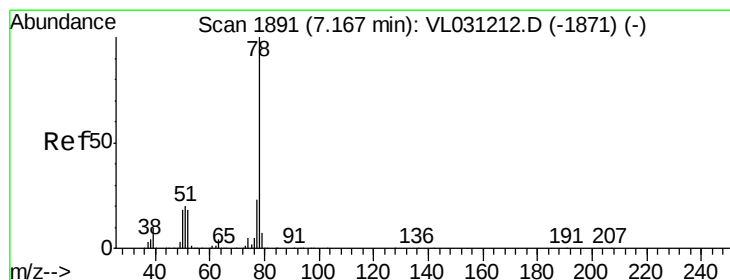
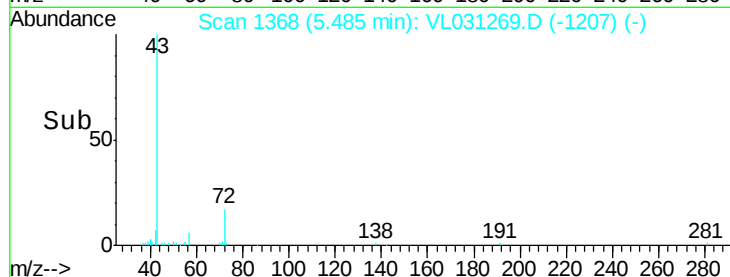
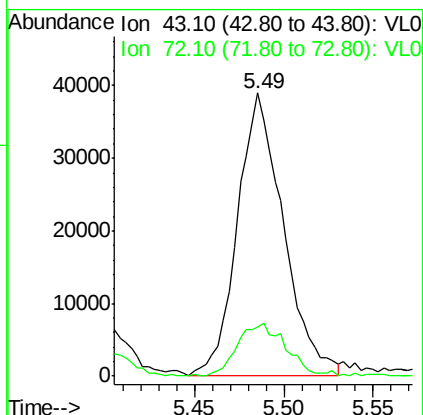
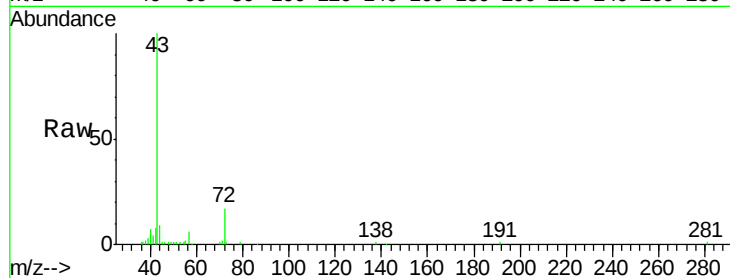




#34
2-Butanone
Concen: 0.25 ppbv
RT: 5.49 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

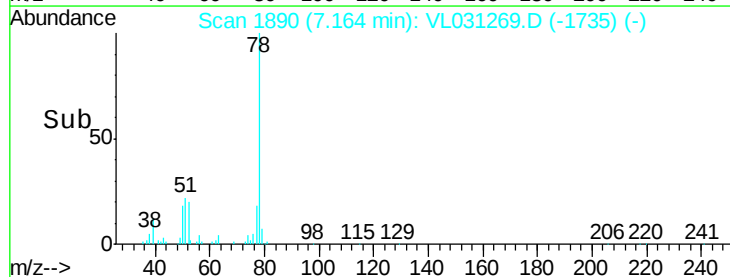
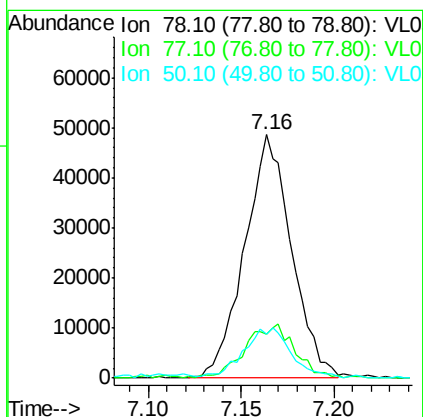
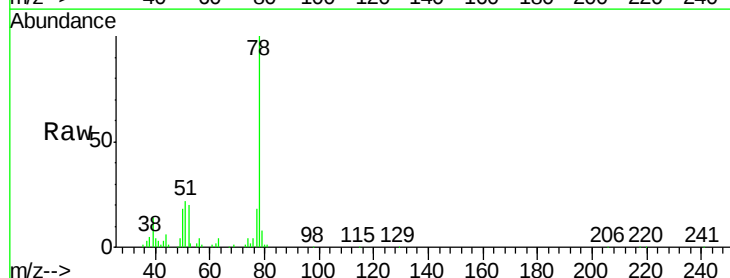
Instrument :
MSVOA_L
ClientSampleId :
T5P2

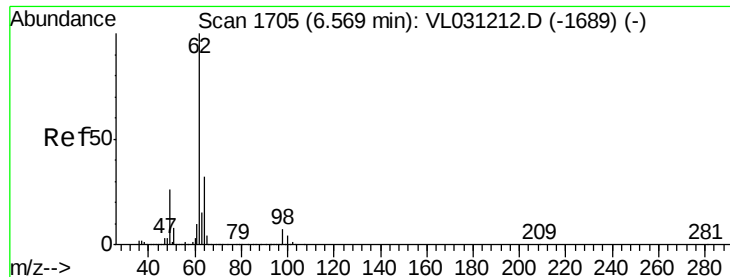
Tgt Ion: 43 Resp: 69348
Ion Ratio Lower Upper
43 100
72 20.3 18.1 27.1



#36
Benzene
Concen: 0.20 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

Tgt Ion: 78 Resp: 85624
Ion Ratio Lower Upper
78 100
77 17.3 18.1 27.1#
50 17.4 14.6 21.8

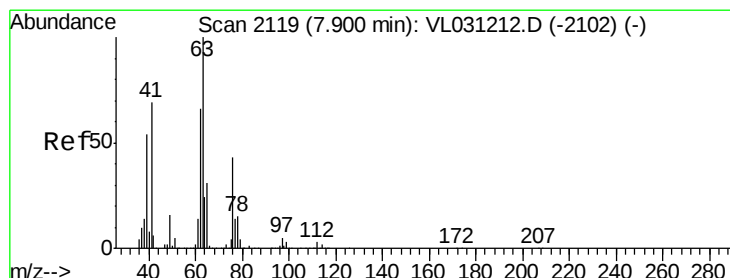
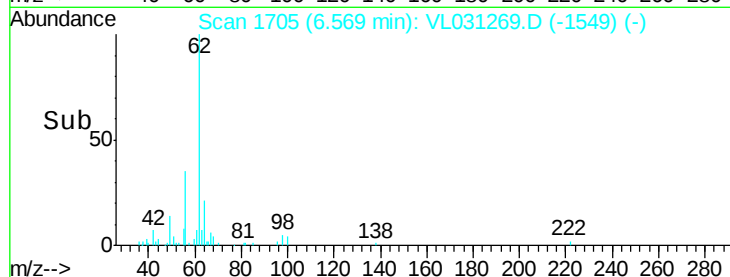
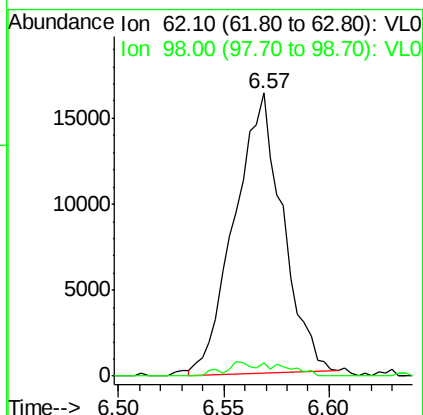
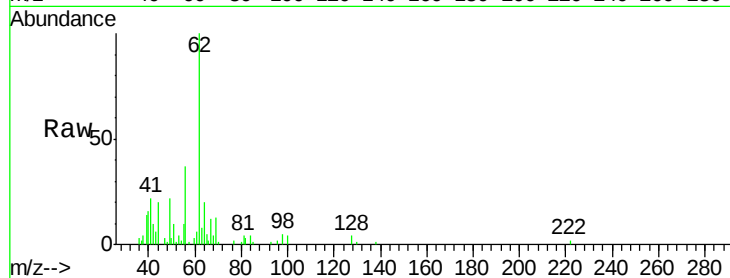




#37
 1,2-Dichloroethane
 Concen: 0.11 ppbv
 RT: 6.57 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

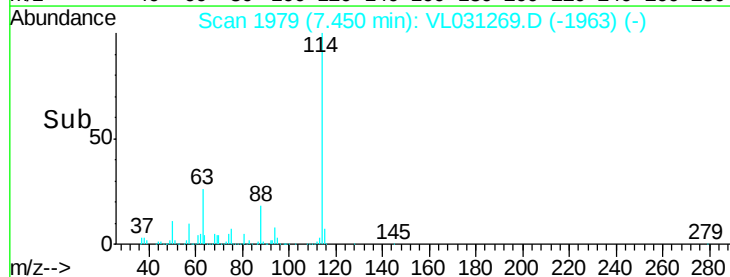
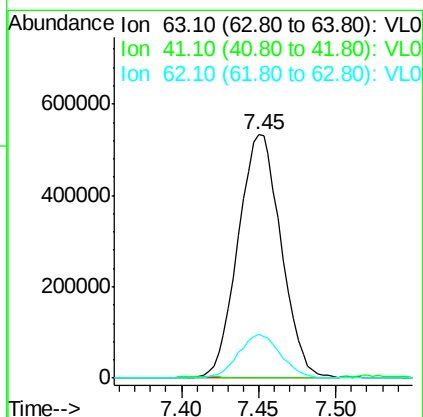
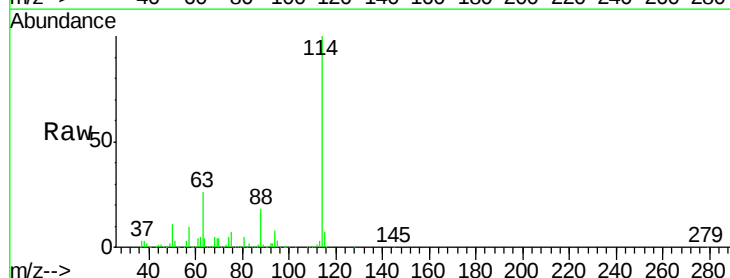
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P2

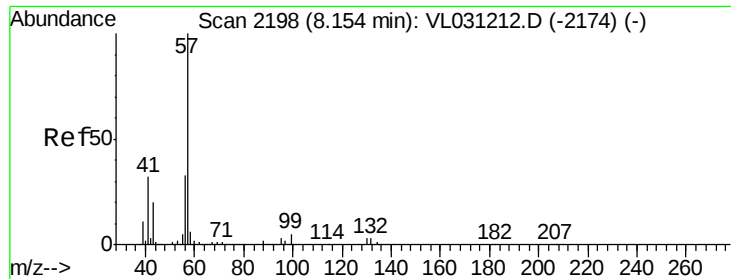
Tgt Ion: 62 Resp: 25978
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.4 8.2



#39
 1,2-Dichloropropane
 Concen: 6.88 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.45 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

Tgt Ion: 63 Resp: 1027824
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.2 82.8#
 62 17.8 53.0 79.4#





#44

2,2,4-Trimethylpentane

Concen: 0.03 ppbv

RT: 8.15 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

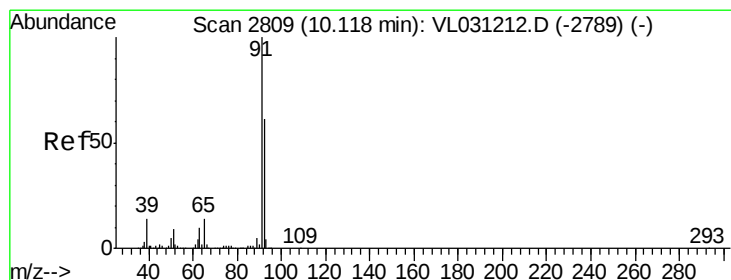
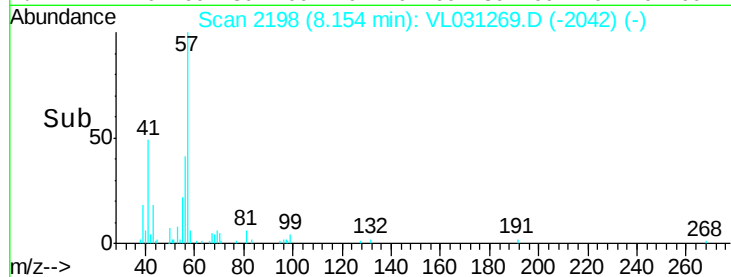
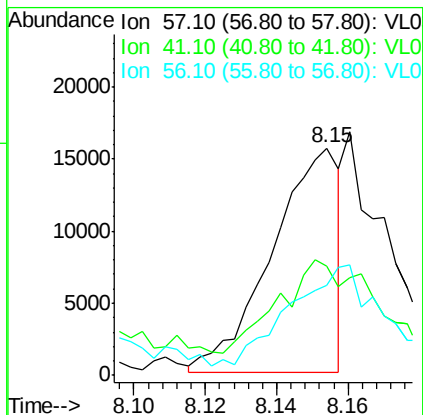
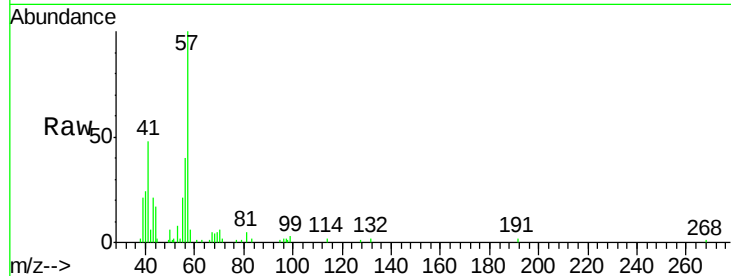
Tgt Ion: 57 Resp: 20460

Ion Ratio Lower Upper

57 100

41 89.7 25.5 38.3#

56 0.0 25.0 37.6#



#53

Toluene

Concen: 1.93 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031269.D

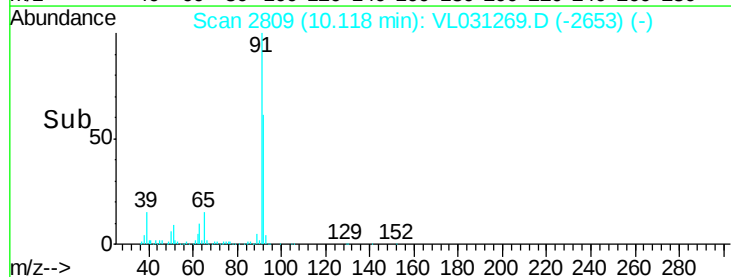
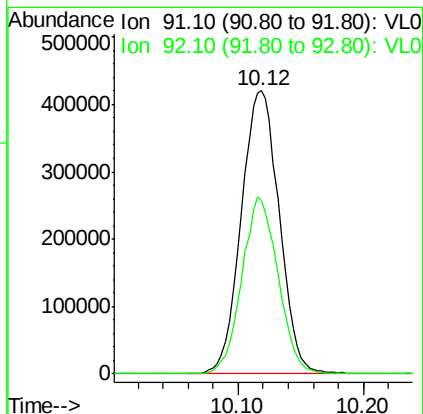
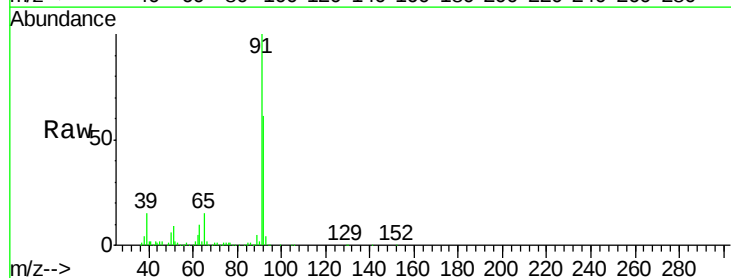
Acq: 20 Dec 2017 14:06

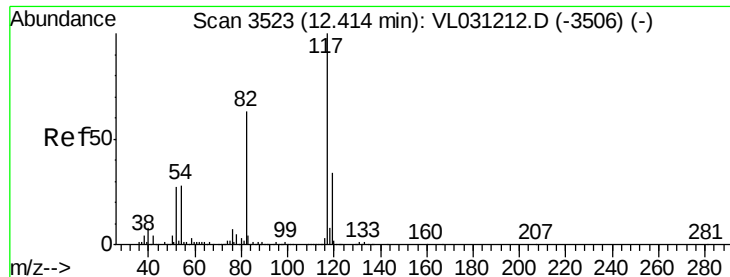
Tgt Ion: 91 Resp: 884452

Ion Ratio Lower Upper

91 100

92 59.8 49.1 73.7





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3523

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

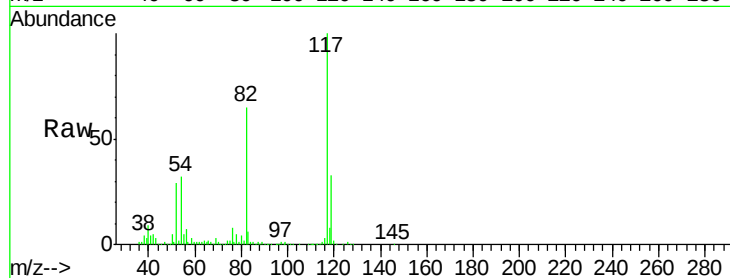
Tgt Ion:117 Resp: 3868828

Ion Ratio Lower Upper

117 100

82 65.6 48.1 72.1

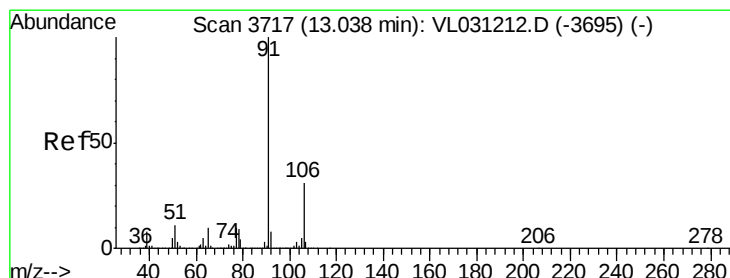
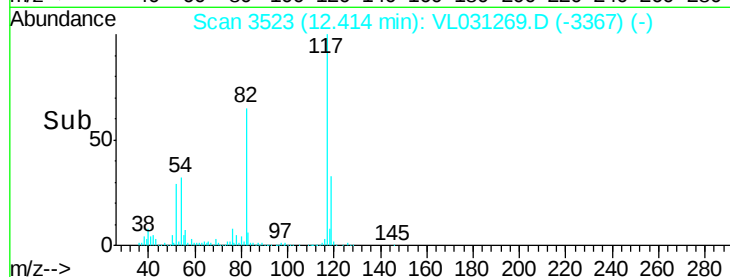
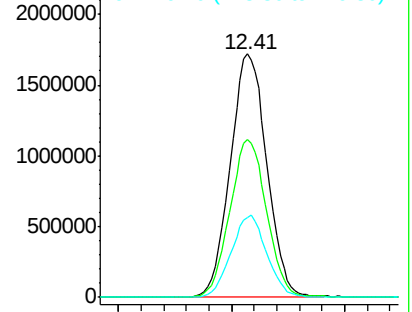
119 33.0 23.1 34.7



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: 0.32 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031269.D

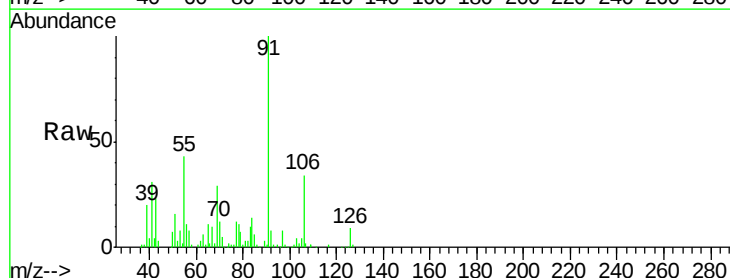
Acq: 20 Dec 2017 14:06

Tgt Ion: 91 Resp: 206502

Ion Ratio Lower Upper

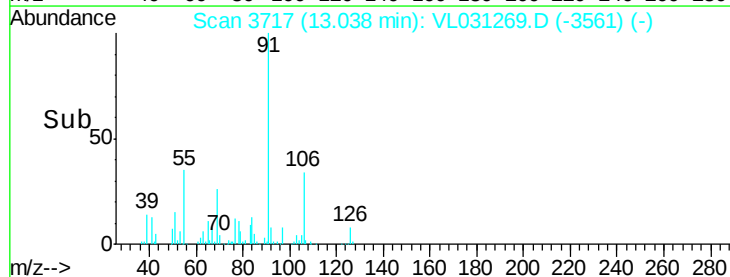
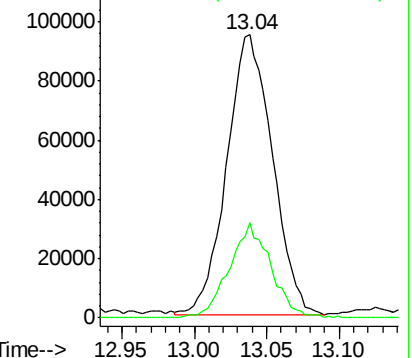
91 100

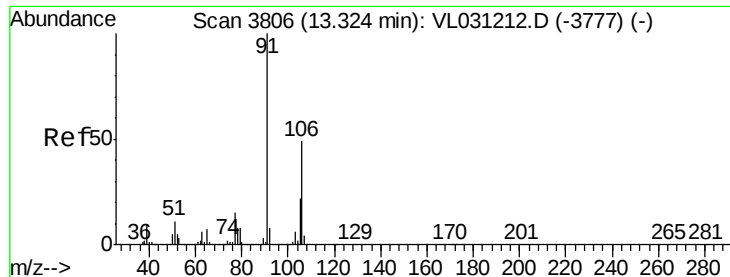
106 33.6 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

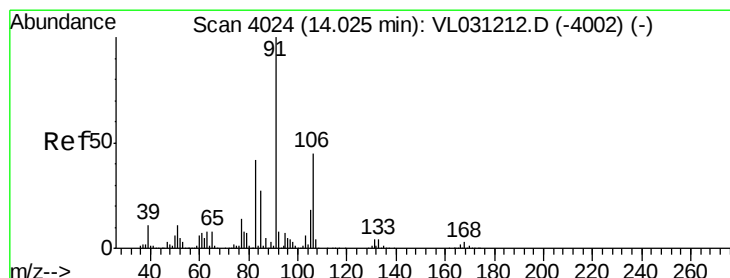
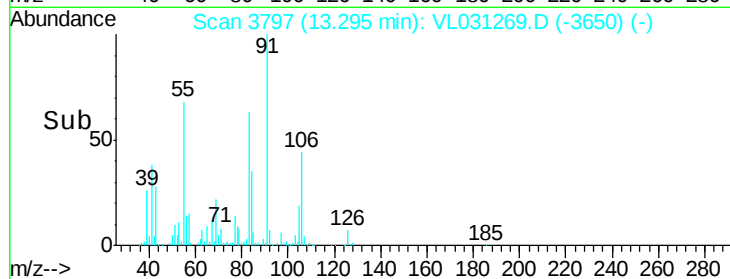
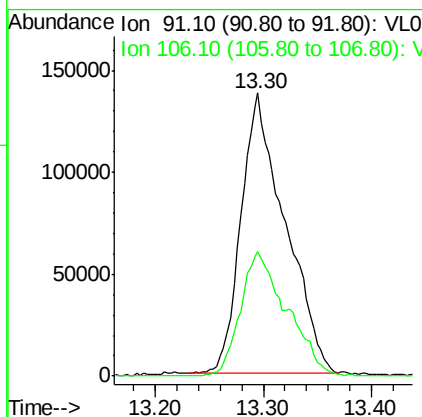
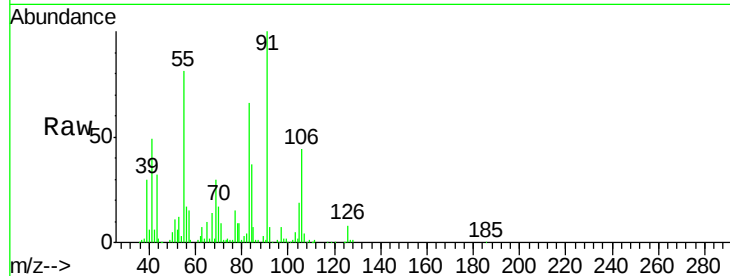




#59
m/p-Xylene
Concen: 0.77 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

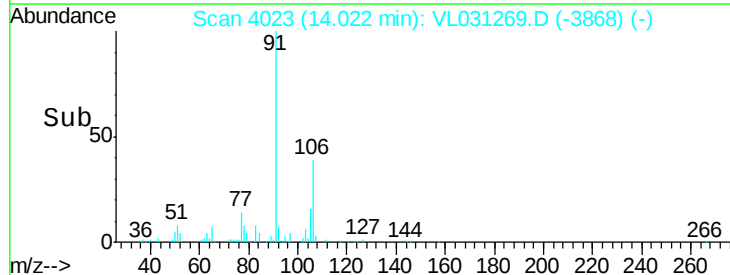
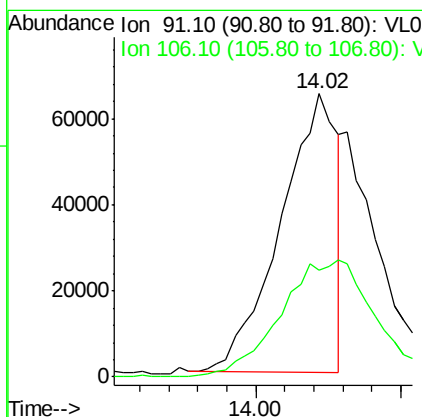
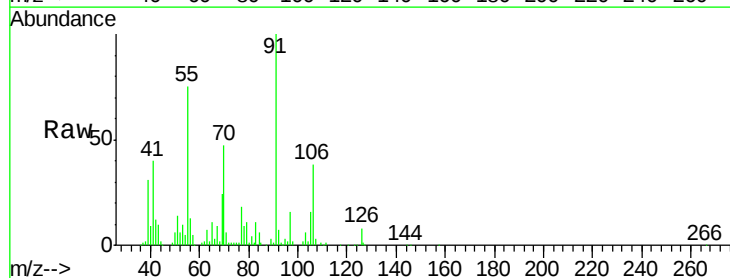
Instrument :
MSVOA_L
ClientSampleId :
T5P2

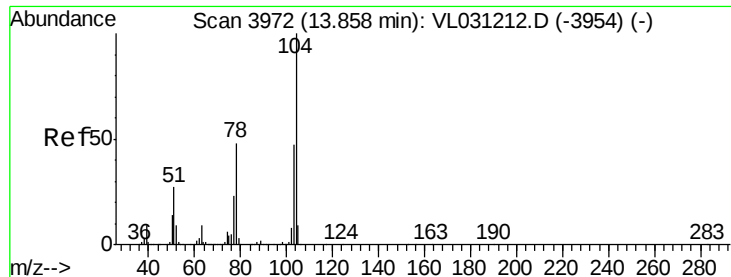
Tgt Ion: 91 Resp: 392166
Ion Ratio Lower Upper
91 100
106 46.5 38.5 57.7



#60
o-Xylene
Concen: 0.17 ppbv
RT: 14.02 min Scan# 4023
Delta R.T. -0.00 min
Lab File: VL031269.D
Acq: 20 Dec 2017 14:06

Tgt Ion: 91 Resp: 87510
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.1#





#61

Styrene

Concen: 2.01 ppbv

RT: 13.86 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

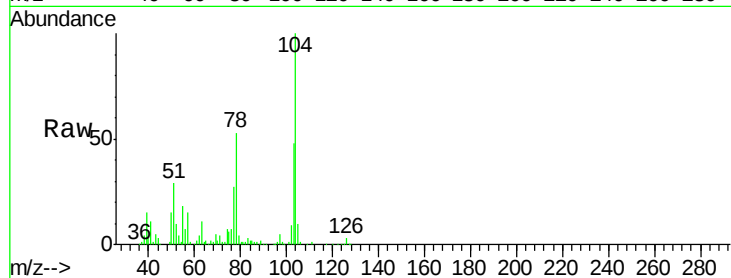
Tgt Ion:104 Resp: 297674

Ion Ratio Lower Upper

104 100

78 53.9 39.1 58.7

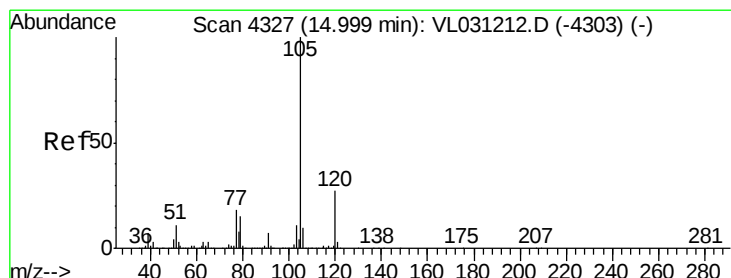
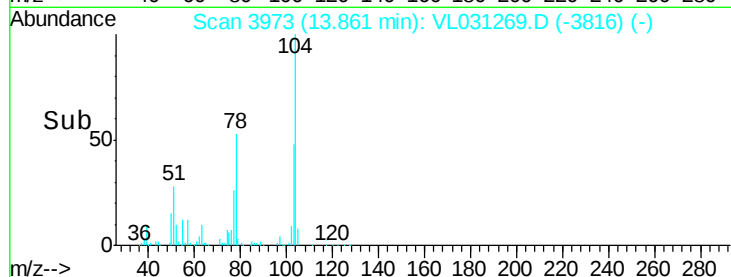
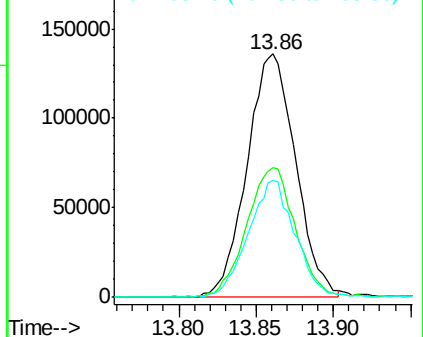
103 46.5 37.3 55.9



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: 7.72 ppbv

RT: 15.00 min Scan# 4328

Delta R.T. 0.00 min

Lab File: VL031269.D

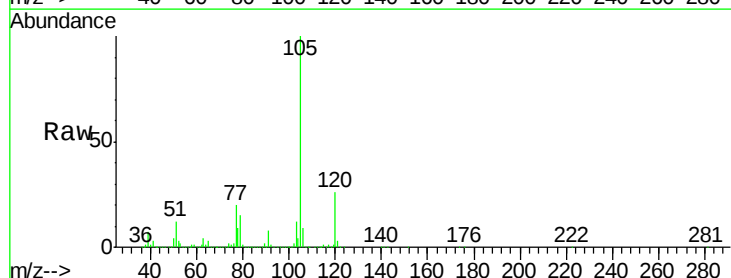
Acq: 20 Dec 2017 14:06

Tgt Ion:105 Resp: 5218580

Ion Ratio Lower Upper

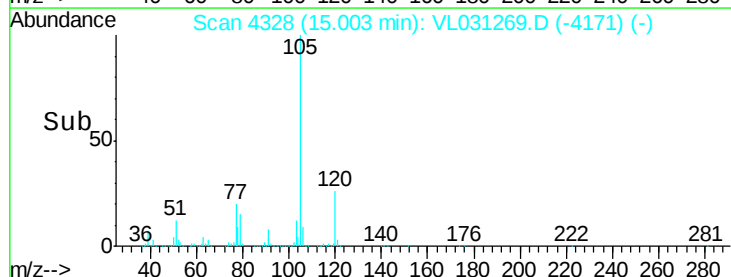
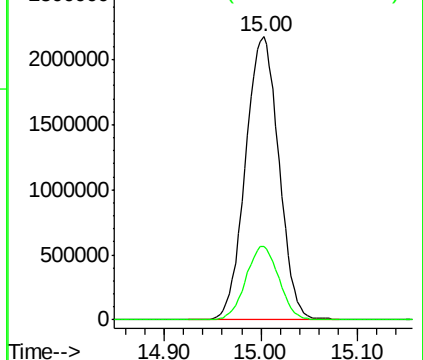
105 100

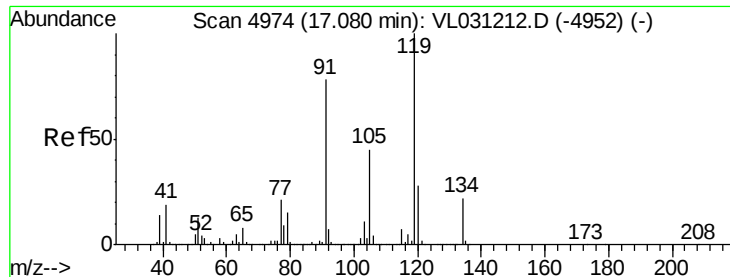
120 25.7 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

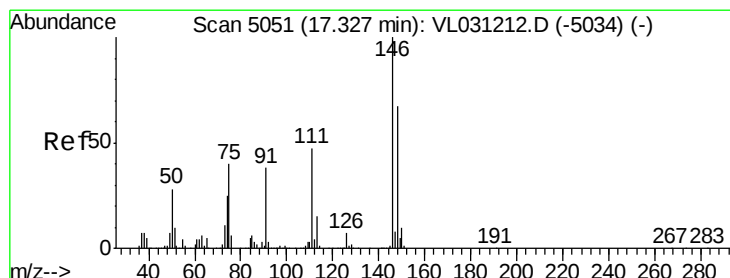
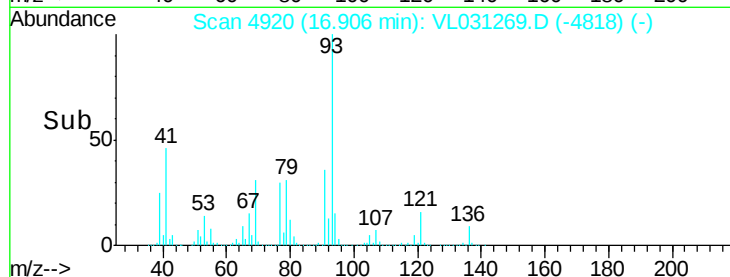
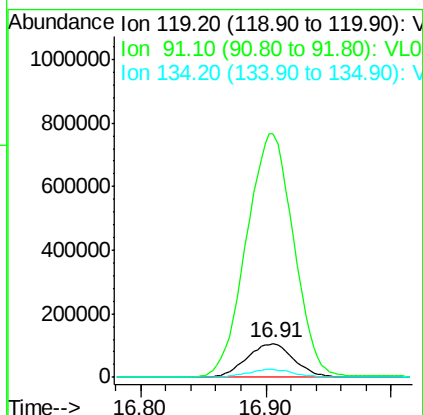
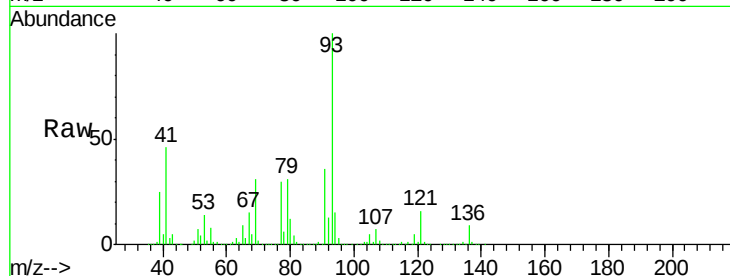




#65
 tert-Butylbenzene
 Concen: 0.46 ppbv
 RT: 16.91 min Scan# 4920
 Delta R.T. -0.17 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

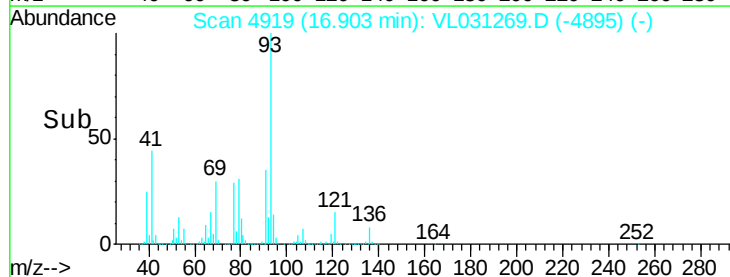
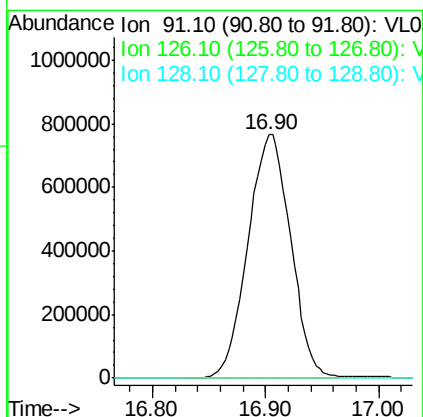
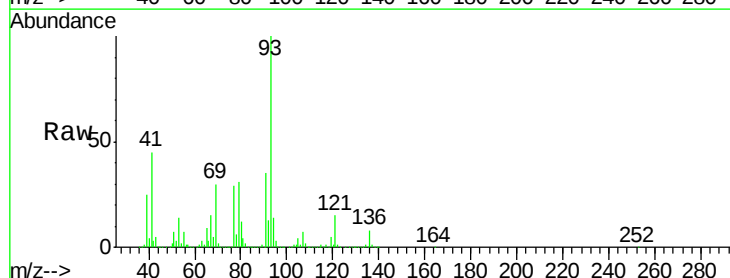
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P2

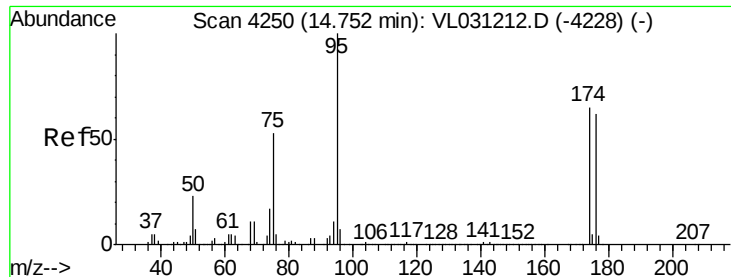
Tgt Ion: 119 Resp: 278137
 Ion Ratio Lower Upper
 119 100
 91 725.2 63.3 94.9#
 134 23.7 16.1 24.1



#66
 Benzyl Chloride
 Concen: 31.04 ppbv
 RT: 16.90 min Scan# 4919
 Delta R.T. -0.42 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

Tgt Ion: 91 Resp: 2002499
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 22.8#
 128 0.2 4.9 7.3#





#68

1-Bromo-4-Fluorobenzene

Concen: 11.16 ppbv

RT: 14.75 min Scan# 4250

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

T5P2

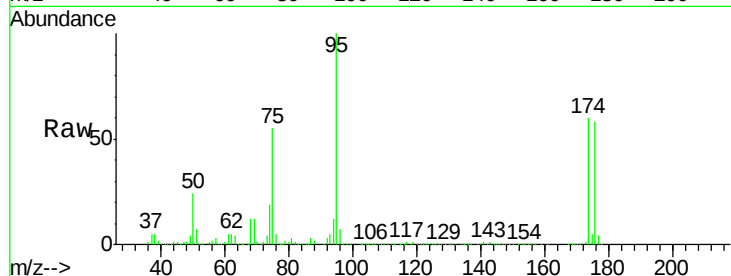
Tgt Ion: 95 Resp: 3071293

Ion Ratio Lower Upper

95 100

174 61.6 52.5 78.7

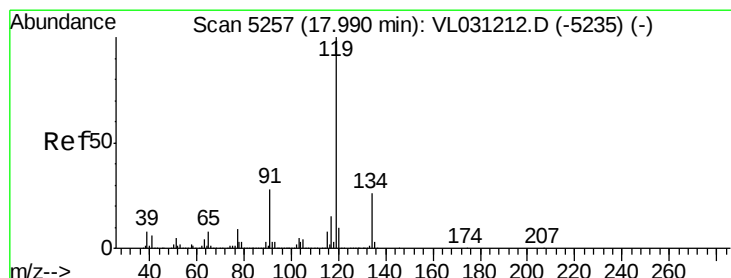
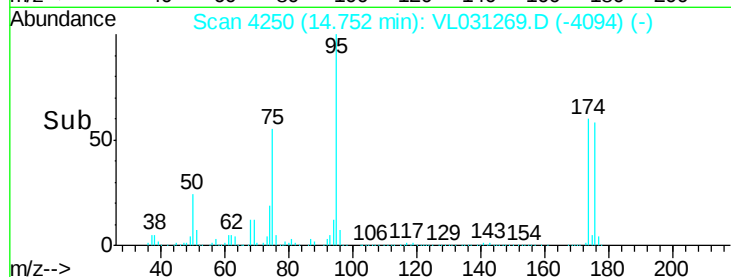
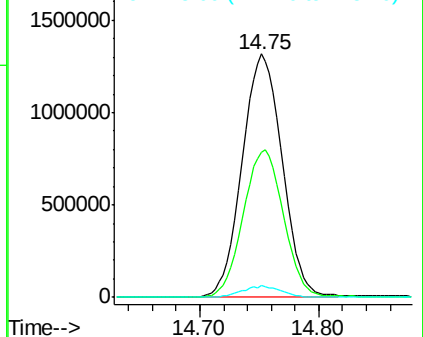
175 4.6 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL031212.D (-4228) (-)

Ion 174.00 (173.70 to 174.70): VL031212.D (-4228) (-)

Ion 175.00 (174.70 to 175.70): VL031212.D (-4228) (-)



#69

p-Isopropyltoluene

Concen: 0.03 ppbv

RT: 17.99 min Scan# 5257

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

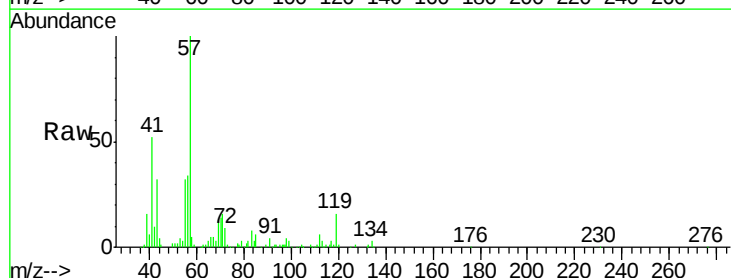
Tgt Ion: 119 Resp: 23638

Ion Ratio Lower Upper

119 100

134 26.4 20.7 31.1

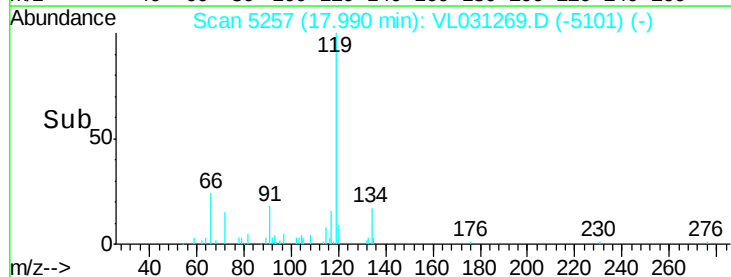
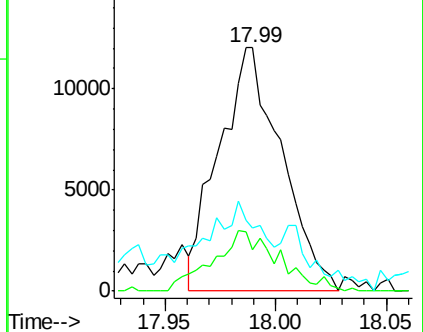
91 44.5 22.3 33.5#

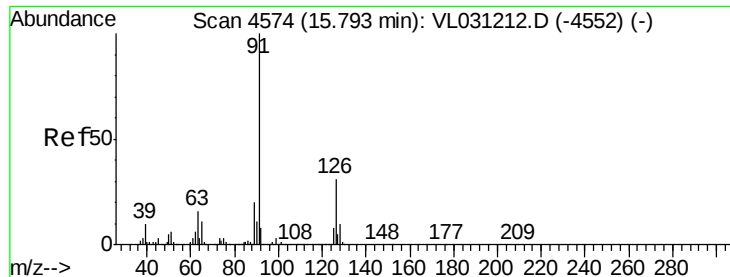


Abundance Ion 119.10 (118.80 to 119.80): VL031212.D (-5235) (-)

Ion 134.20 (133.90 to 134.90): VL031212.D (-5235) (-)

Ion 91.10 (90.80 to 91.80): VL031212.D (-5235) (-)

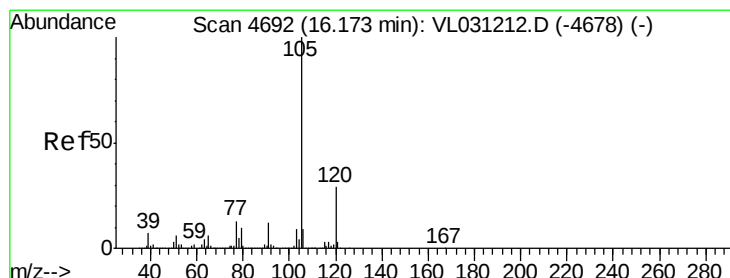
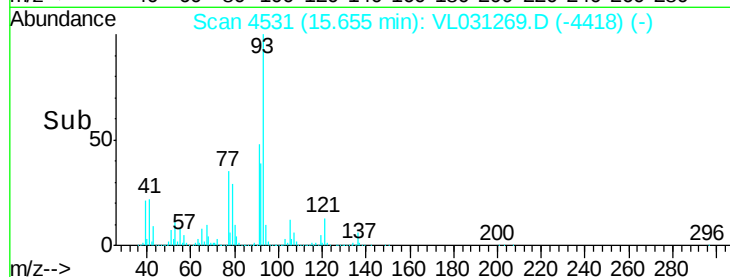
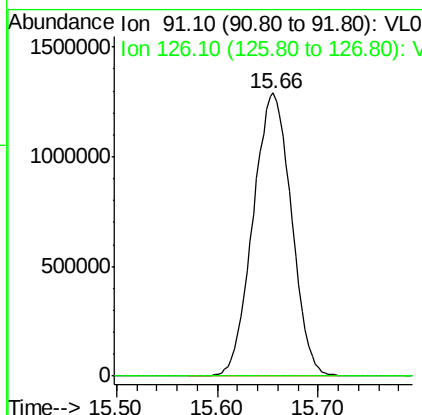
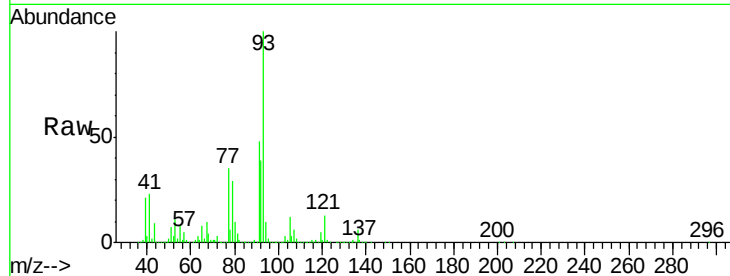




#71
 2-Chlorotoluene
 Concen: 6.79 ppbv
 RT: 15.66 min Scan# 4531
 Delta R.T. -0.14 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

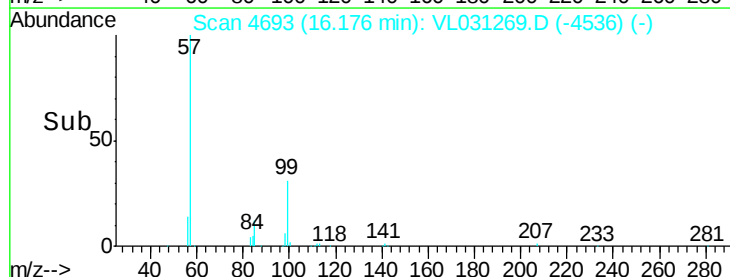
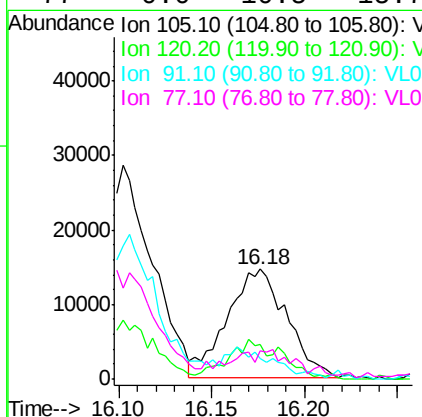
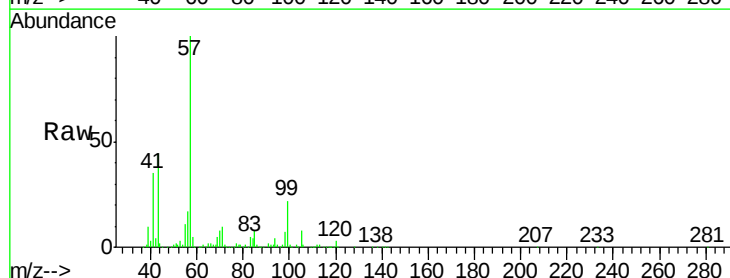
Instrument :
 MSVOA_L
 ClientSampled :
 T5P2

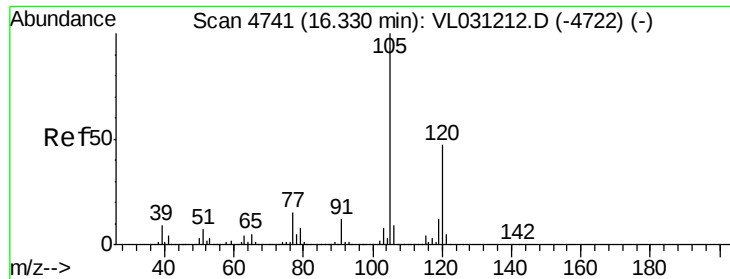
Tgt Ion: 91 Resp: 3406808
 Ion Ratio Lower Upper
 91 100
 126 0.1 12.6 50.6#



#72
 4-Ethyltoluene
 Concen: 0.06 ppbv
 RT: 16.18 min Scan# 4693
 Delta R.T. 0.00 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

Tgt Ion: 105 Resp: 32291
 Ion Ratio Lower Upper
 105 100
 120 32.4 24.2 36.2
 91 0.0 9.8 14.8#
 77 0.0 10.5 15.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.03 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. -0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Instrument :

MSVOA_L

ClientSampleId :

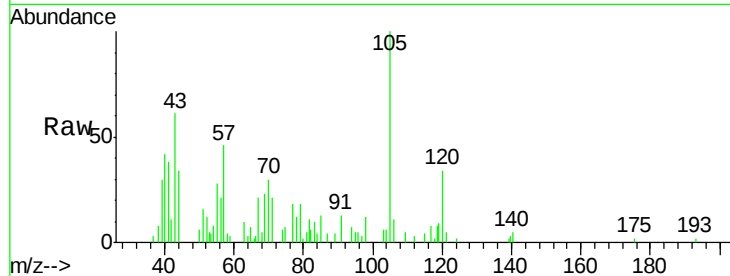
T5P2

Tgt Ion:105 Resp: 15212

Ion Ratio Lower Upper

105 100

120 35.9 37.8 56.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.33

8000

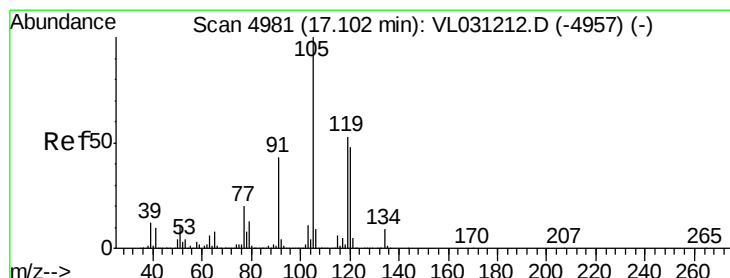
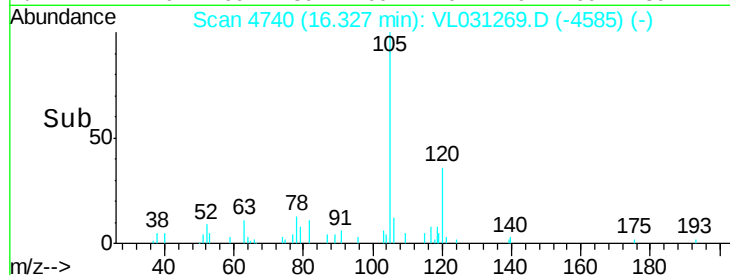
6000

4000

2000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.06 ppbv

RT: 17.10 min Scan# 4981

Delta R.T. 0.00 min

Lab File: VL031269.D

Acq: 20 Dec 2017 14:06

Tgt Ion:105 Resp: 33079

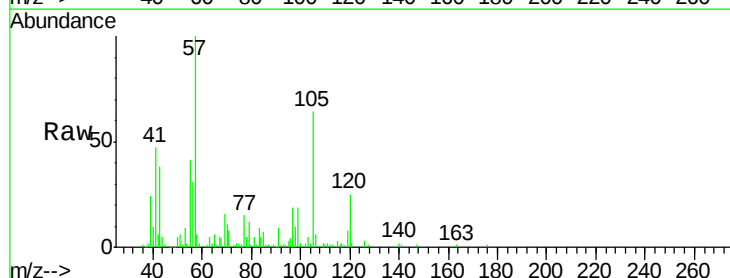
Ion Ratio Lower Upper

105 100

120 35.0 38.6 58.0#

91 8.8 34.2 51.4#

77 19.6 16.1 24.1



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

17.10

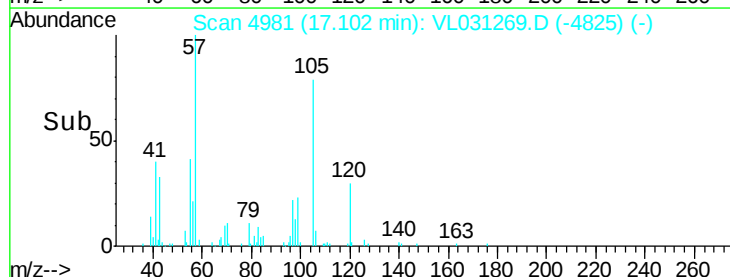
30000

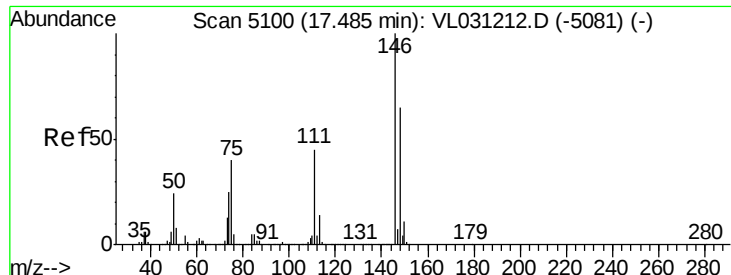
20000

10000

0

Time-->

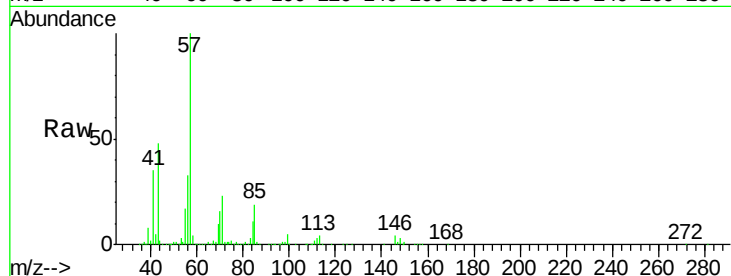




#76
 1,4-Dichlorobenzene
 Concen: 0.10 ppbv
 RT: 17.49 min Scan# 5101
 Delta R.T. 0.00 min
 Lab File: VL031269.D
 Acq: 20 Dec 2017 14:06

Instrument :
 MSVOA_L
 ClientSampleId :
 T5P2

Tgt Ion	Ratio	Lower	Upper
146	100		
111	94.3	22.1	66.1#
148	65.1	32.0	96.0



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

