

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL122017\
 Data File : VL031272.D
 Acq On : 20 Dec 2017 16:04
 Operator : SY/AP
 Sample : I6960-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

Quant Time: Dec 21 08:36:07 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	1687583	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3904698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3792307	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2982705	11.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	51290	0.36	ppbv	98
3) Chlorodifluoromethane	3.09	51	21360861	111.33	ppbv #	61
4) Chloromethane	3.28	50	40881	0.39	ppbv	97
5) Vinyl Chloride	3.15	62	4052	0.04	ppbv	94
8) Dichlorotetrafluoroethane	3.33	85	11318	0.06	ppbv	91
9) Propene	3.14	41	1959199	20.81	ppbv	96
10) Heptane	8.41	43	88901	0.31	ppbv	99
11) Trichlorofluoromethane	4.13	101	58658	0.25	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.69	101	10859	0.07	ppbv	97
13) Ethanol	3.77	45	255182	9.39	ppbv	98
15) Acetone	4.02	43	1980743	8.89	ppbv	94
16) 1,3-Butadiene	3.45	39	697915	7.28	ppbv #	14
17) tert-Butyl alcohol	4.50	59	50865	0.41	ppbv #	70
19) Isopropyl Alcohol	4.15	45	80619	0.57	ppbv #	41
20) Methylene Chloride	4.54	84	284294	3.86	ppbv	98
21) Allyl Chloride	4.56	41	10207	0.08	ppbv #	1
23) Vinyl Acetate	5.28	43	26014	0.07	ppbv #	1
25) Ethyl Acetate	5.93	43	266186	0.59	ppbv #	85
26) Hexane	5.93	57	317356	1.47	ppbv #	48
27) Carbon Disulfide	4.76	76	19523	0.09	ppbv #	62
30) Cyclohexane	7.40	84	13155	0.07	ppbv #	1
34) 2-Butanone	5.48	43	453017	1.64	ppbv	96
35) Carbon Tetrachloride	7.30	117	17220	0.06	ppbv	93
36) Benzene	7.16	78	43586	0.11	ppbv	96
37) 1,2-Dichloroethane	6.56	62	28464	0.12	ppbv	99
39) 1,2-Dichloropropane	7.89	63	10294	0.07	ppbv	93
44) 2,2,4-Trimethylpentane	8.15	57	188717	0.30	ppbv #	90
53) Toluene	10.12	91	2144681	4.78	ppbv	98
58) Ethyl Benzene	13.04	91	251007	0.40	ppbv	96
59) m/p-Xylene	13.30	91	503338	1.00	ppbv	97
60) o-Xylene	14.03	91	183883	0.36	ppbv	99
61) Styrene	13.86	104	398765	2.75	ppbv	96
62) Isopropylbenzene	15.00	105	5830666	8.80	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.02	83	13695	0.04	ppbv #	26
66) Benzyl Chloride	16.90	91	2476266	39.16	ppbv #	64
69) p-Isopropyltoluene	17.99	119	26948	0.04	ppbv #	82
71) 2-Chlorotoluene	15.66	91	4134437	8.41	ppbv #	43
72) 4-Ethyltoluene	16.17	105	34258	0.06	ppbv #	83
74) 1,2,4-Trimethylbenzene	17.10	105	34672	0.07	ppbv #	76
76) 1,4-Dichlorobenzene	17.48	146	20793	0.06	ppbv #	1

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T5P3

Quant Time: Dec 21 08:36:07 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

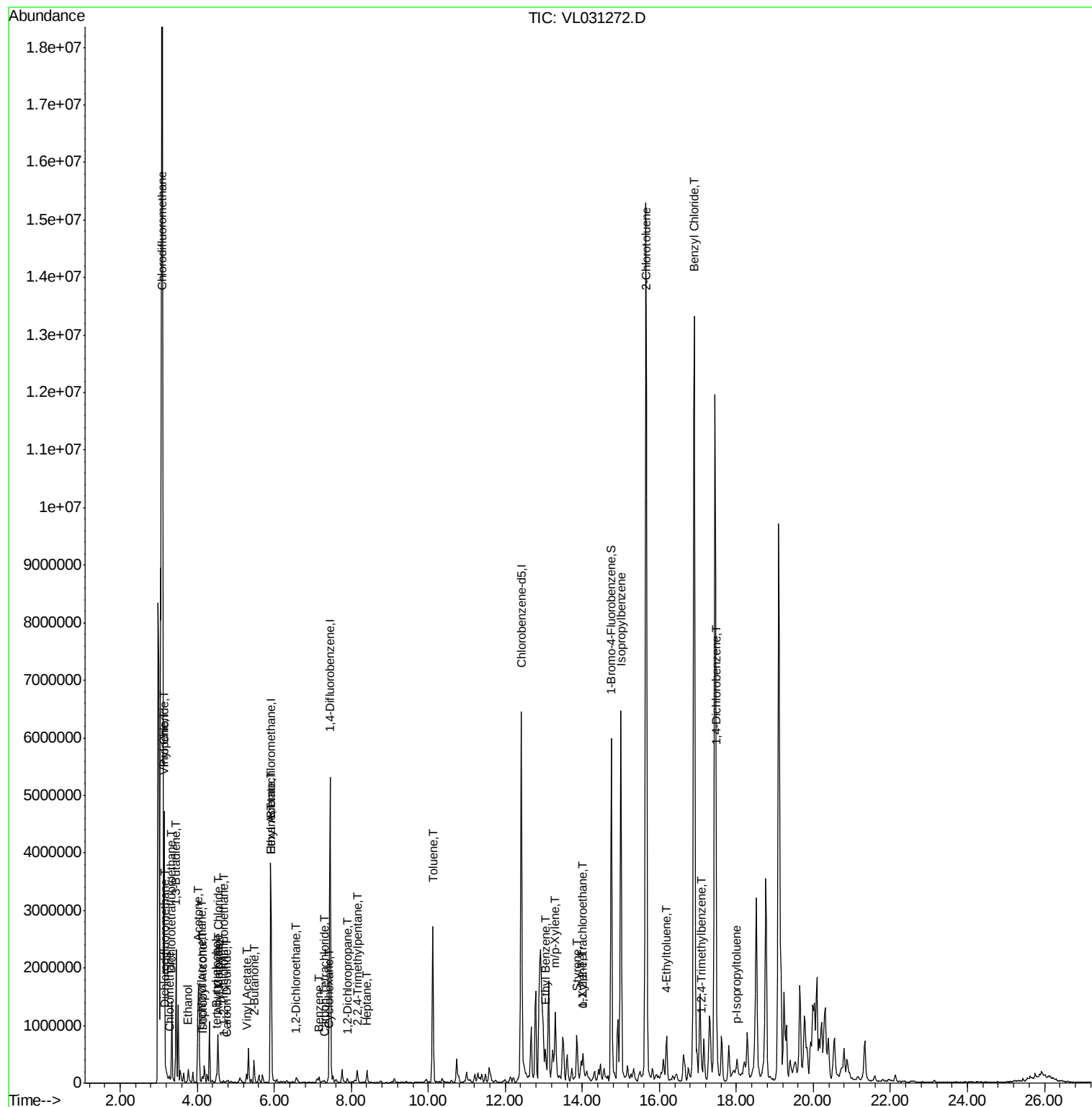
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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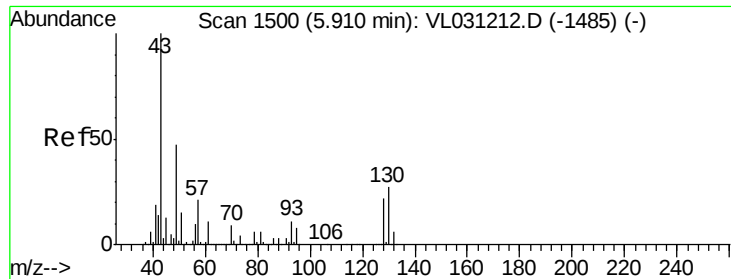
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

T5P3

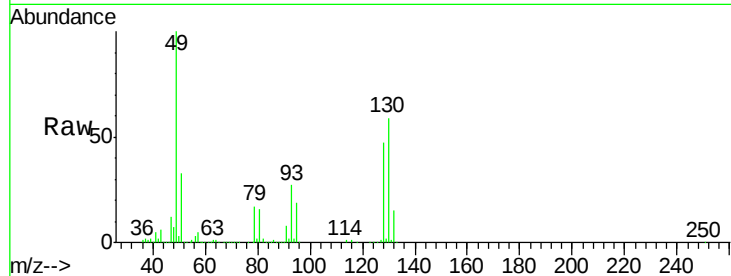
Tgt Ion: 49 Resp: 1687583

Ion Ratio Lower Upper

49 100

128 46.8 23.2 69.5

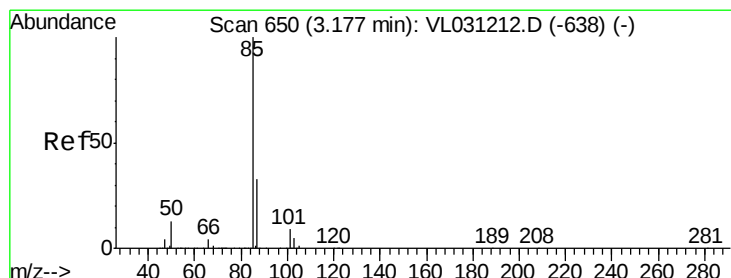
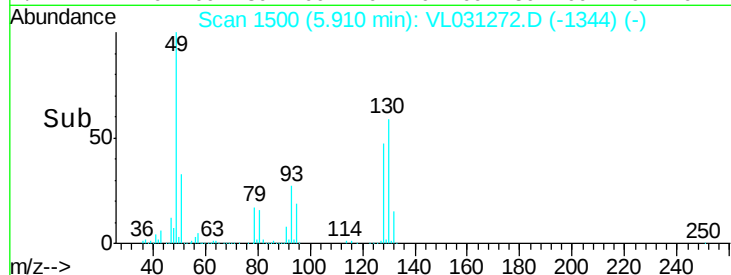
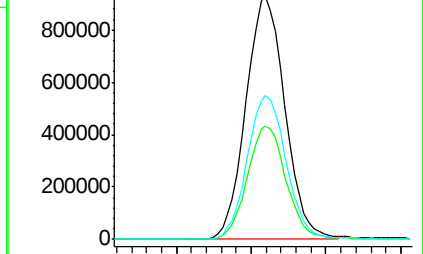
130 59.8 29.6 88.8



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: 0.36 ppbv

RT: 3.18 min Scan# 650

Delta R.T. 0.00 min

Lab File: VL031272.D

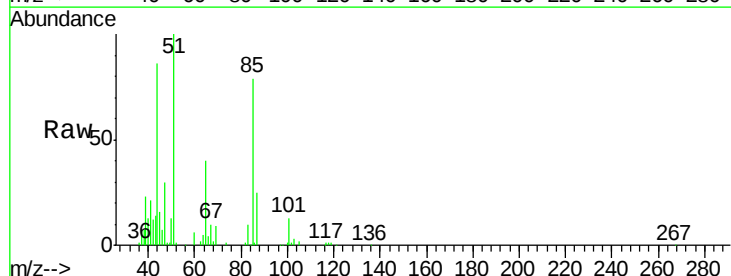
Acq: 20 Dec 2017 16:04

Tgt Ion: 85 Resp: 51290

Ion Ratio Lower Upper

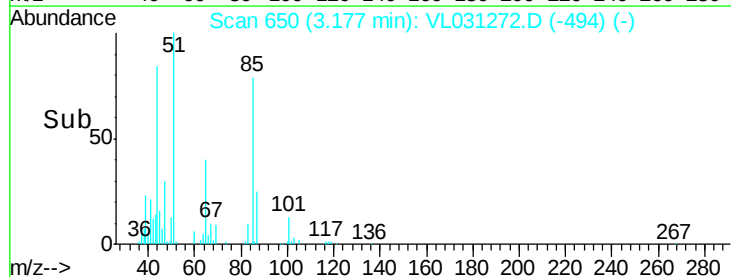
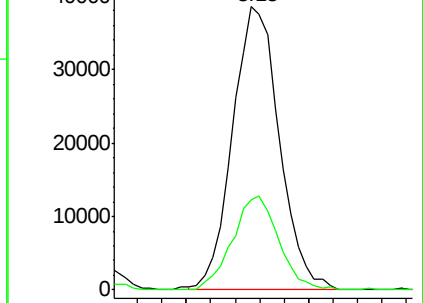
85 100

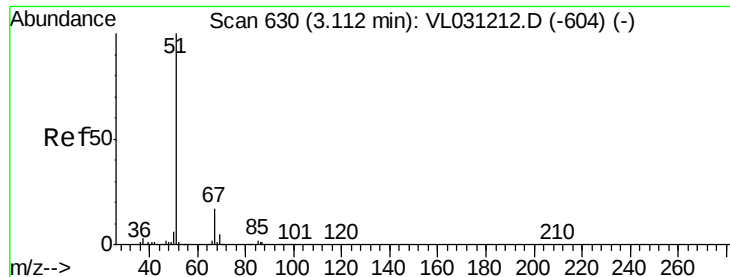
87 31.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 111.33 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.03 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

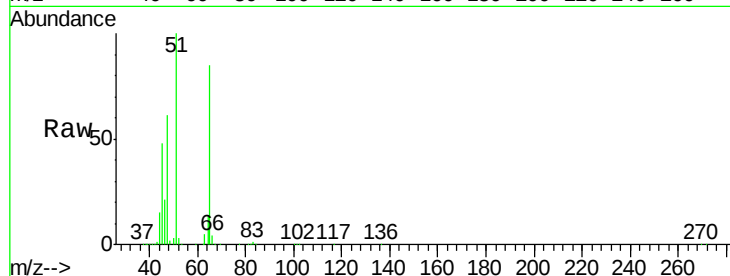
T5P3

Tgt Ion: 51 Resp: 21360861

Ion Ratio Lower Upper

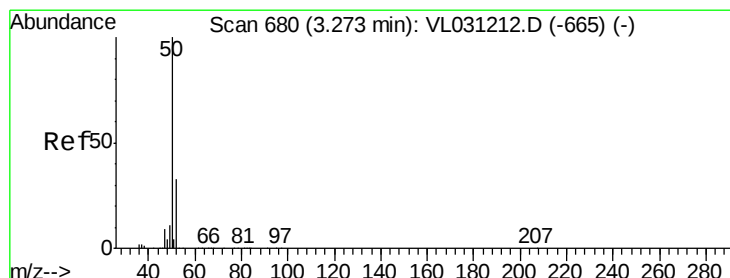
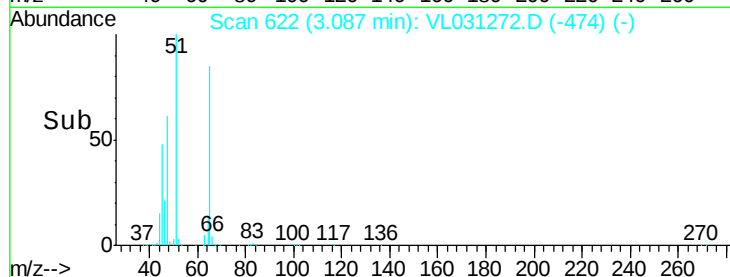
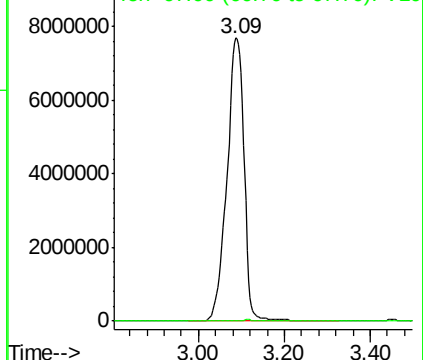
51 100

67 0.3 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: 0.39 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031272.D

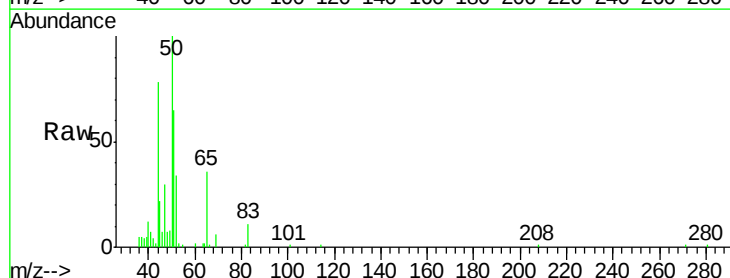
Acq: 20 Dec 2017 16:04

Tgt Ion: 50 Resp: 40881

Ion Ratio Lower Upper

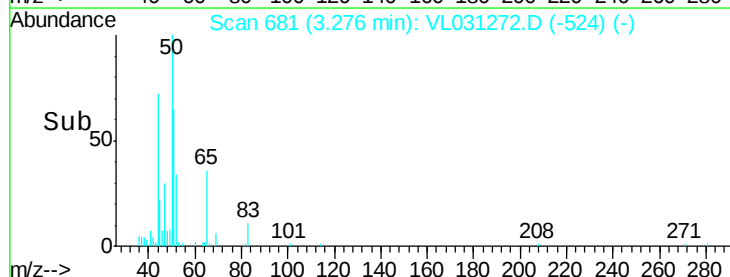
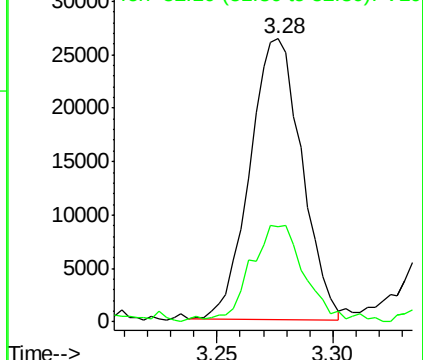
50 100

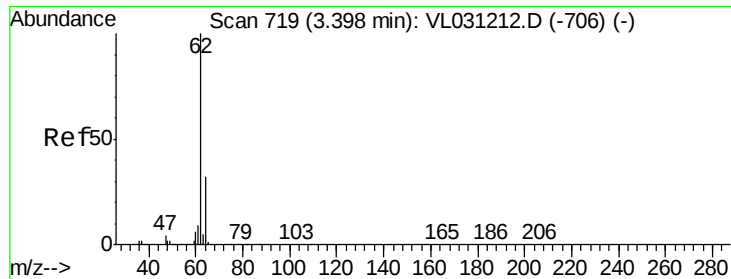
52 34.7 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.15 min Scan# 642

Delta R.T. -0.25 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

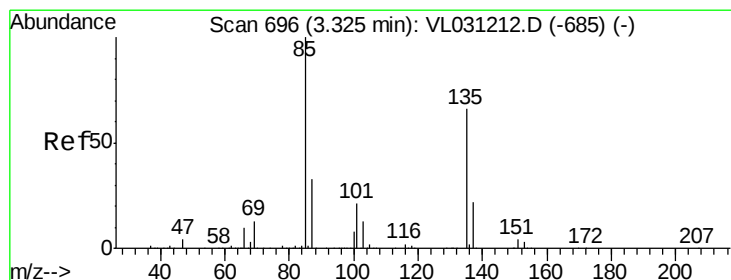
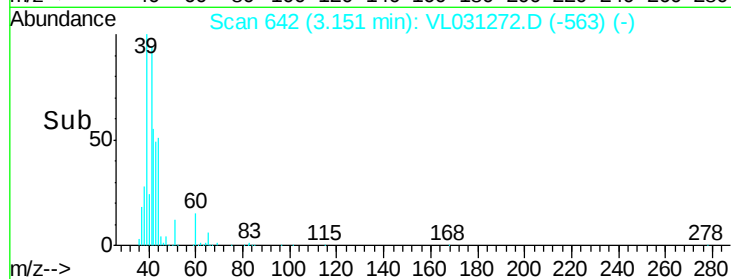
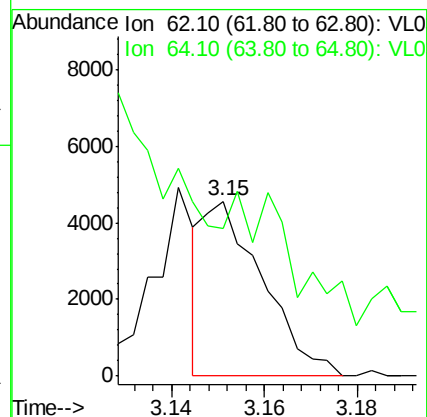
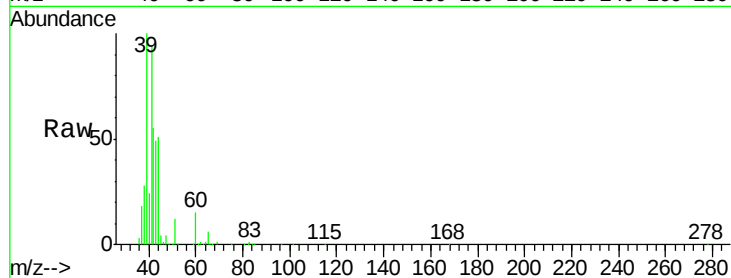
T5P3

Tgt Ion: 62 Resp: 4052

Ion Ratio Lower Upper

62 100

64 35.7 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 0.06 ppbv

RT: 3.33 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL031272.D

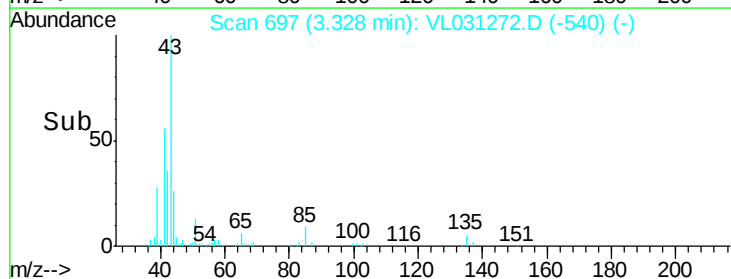
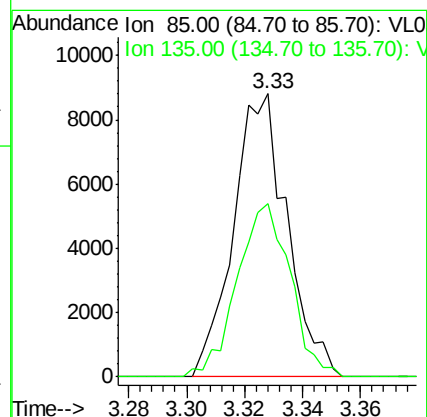
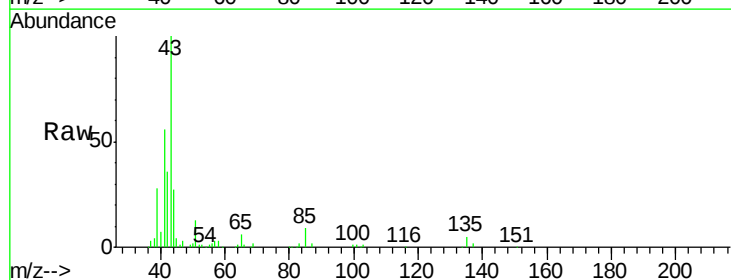
Acq: 20 Dec 2017 16:04

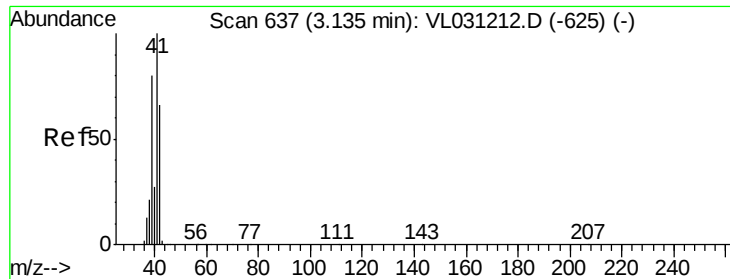
Tgt Ion: 85 Resp: 11318

Ion Ratio Lower Upper

85 100

135 60.5 54.0 81.0





#9

Propene

Concen: 20.81 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

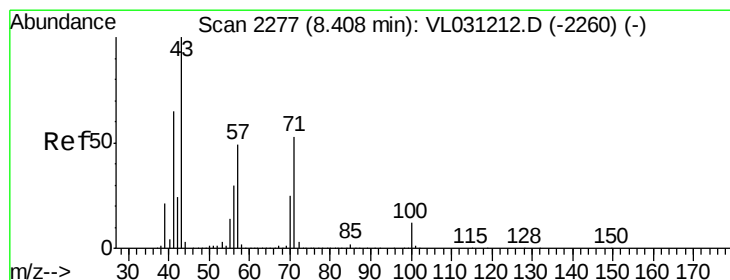
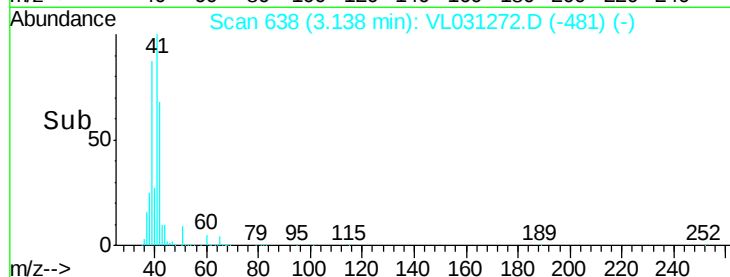
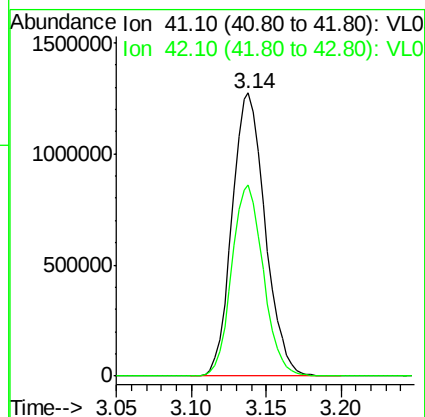
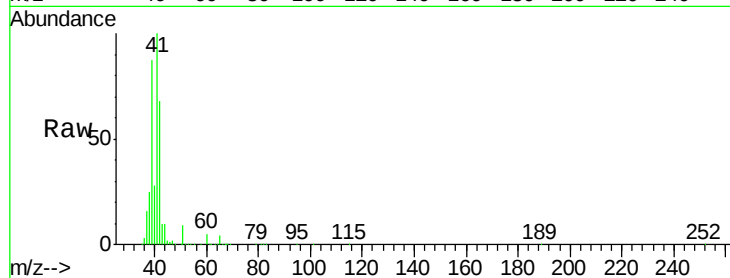
T5P3

Tgt Ion: 41 Resp: 1959199

Ion Ratio Lower Upper

41 100

42 65.0 54.3 81.5



#10

Heptane

Concen: 0.31 ppbv

RT: 8.41 min Scan# 2278

Delta R.T. 0.00 min

Lab File: VL031272.D

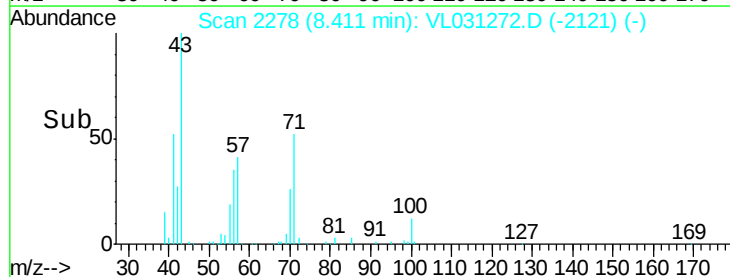
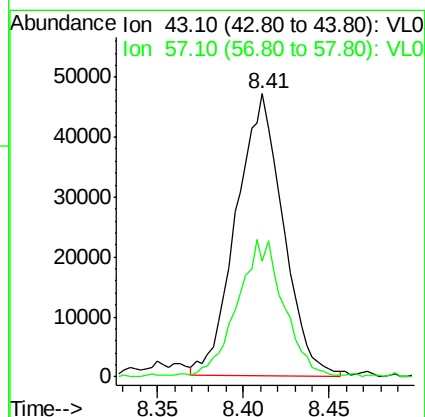
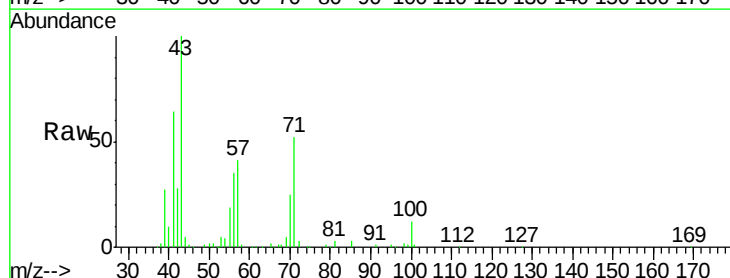
Acq: 20 Dec 2017 16:04

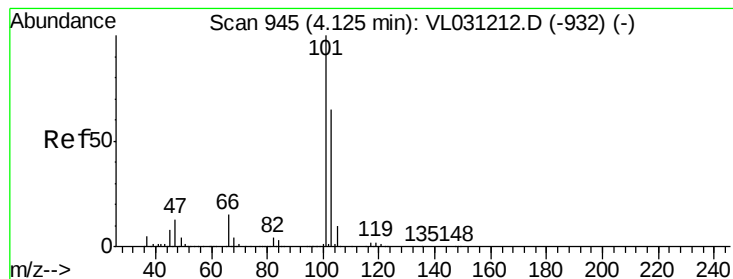
Tgt Ion: 43 Resp: 88901

Ion Ratio Lower Upper

43 100

57 49.4 39.8 59.8





#11

Trichlorofluoromethane

Concen: 0.25 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

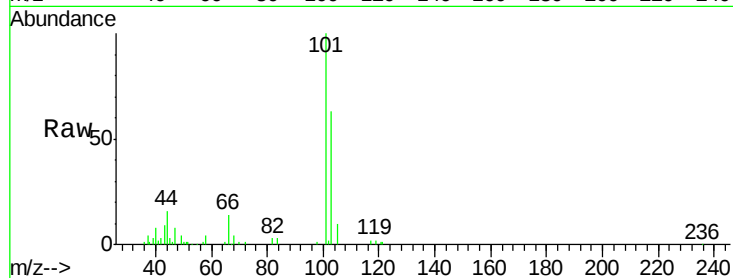
T5P3

Tgt Ion:101 Resp: 58658

Ion Ratio Lower Upper

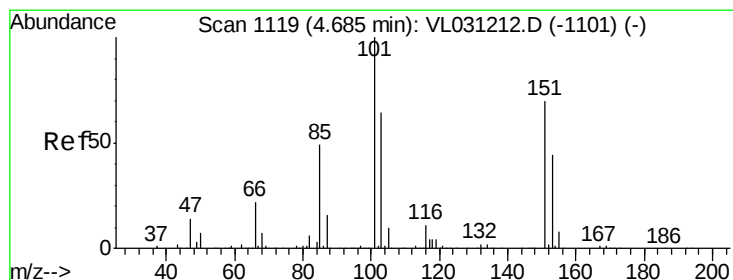
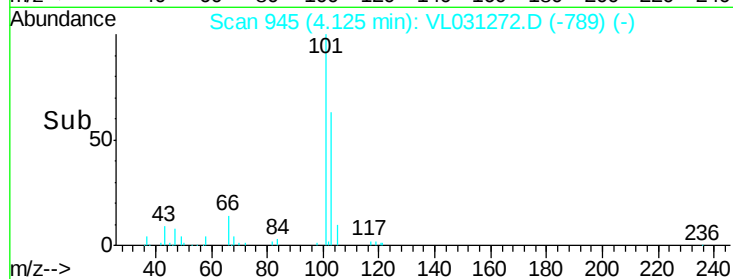
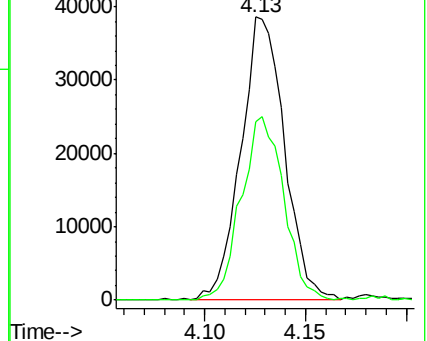
101 100

103 63.0 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: 0.07 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL031272.D

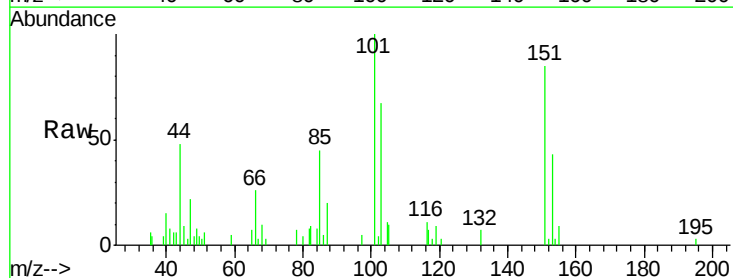
Acq: 20 Dec 2017 16:04

Tgt Ion:101 Resp: 10859

Ion Ratio Lower Upper

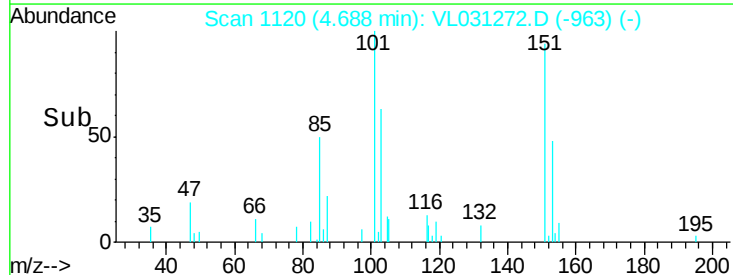
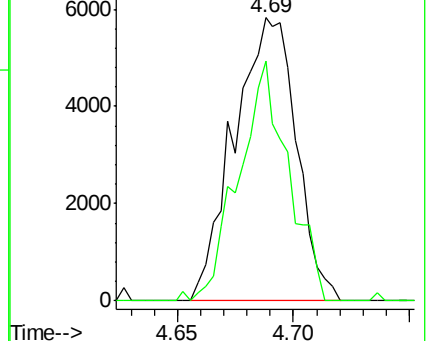
101 100

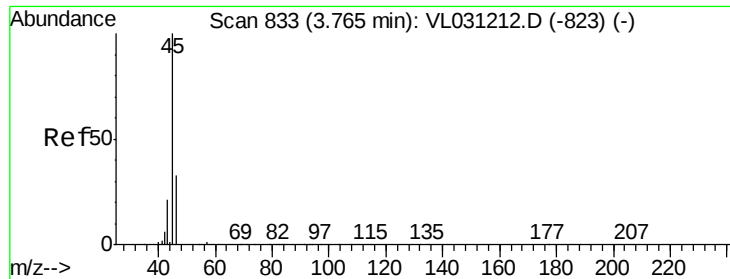
151 67.9 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.39 ppbv

RT: 3.77 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

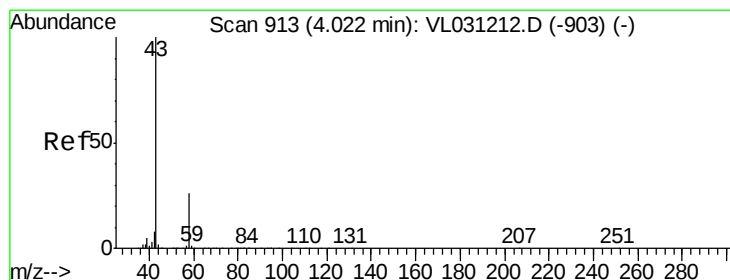
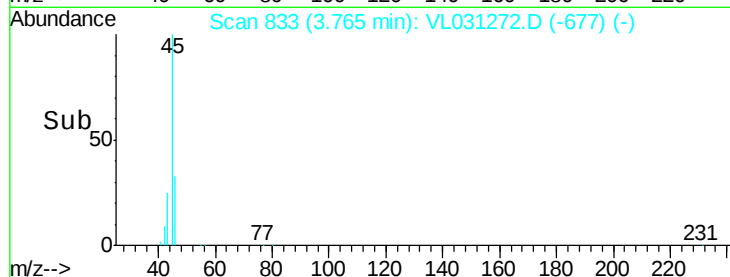
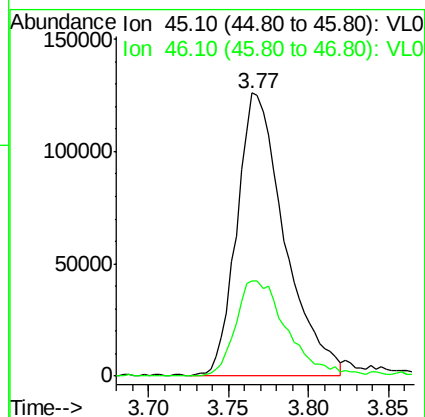
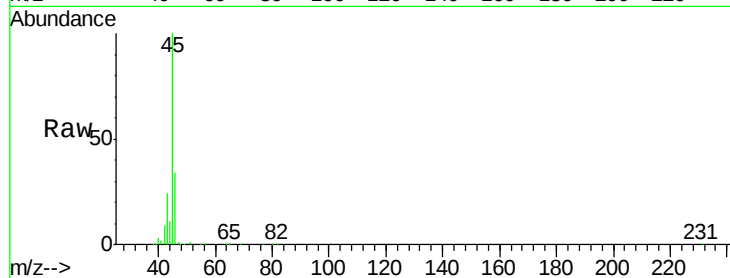
T5P3

Tgt Ion: 45 Resp: 255182

Ion Ratio Lower Upper

45 100

46 37.5 14.6 58.4



#15

Acetone

Concen: 8.89 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031272.D

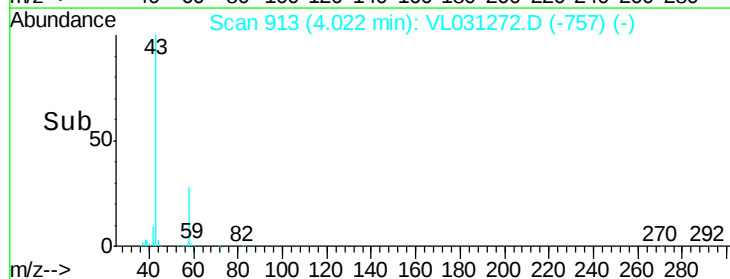
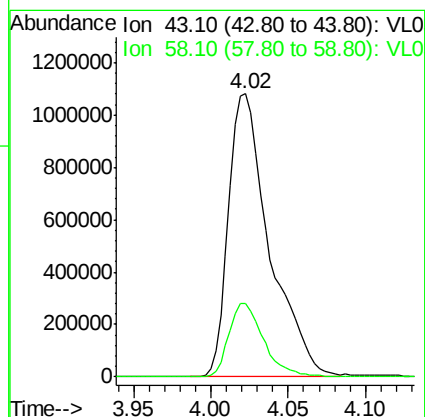
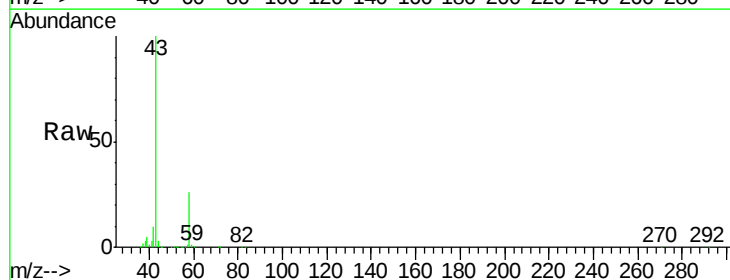
Acq: 20 Dec 2017 16:04

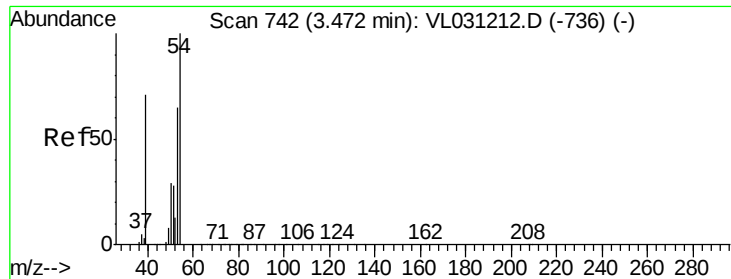
Tgt Ion: 43 Resp: 1980743

Ion Ratio Lower Upper

43 100

58 22.3 20.3 30.5

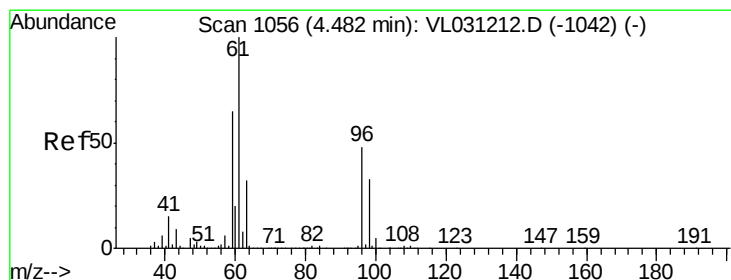
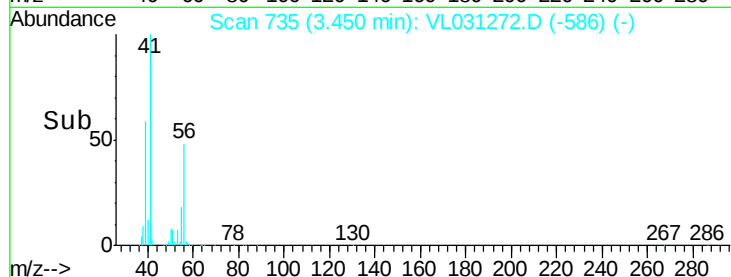
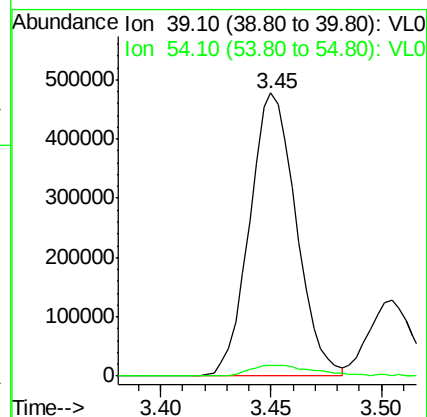
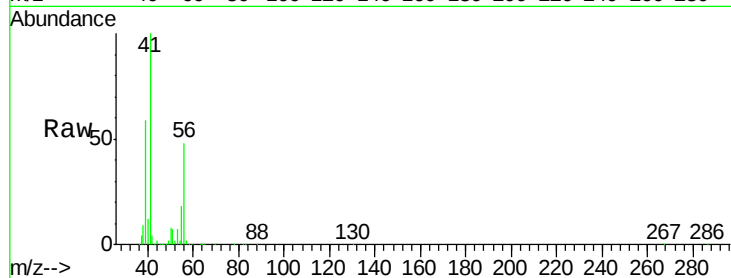




#16
 1,3-Butadiene
 Concen: 7.28 ppbv
 RT: 3.45 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

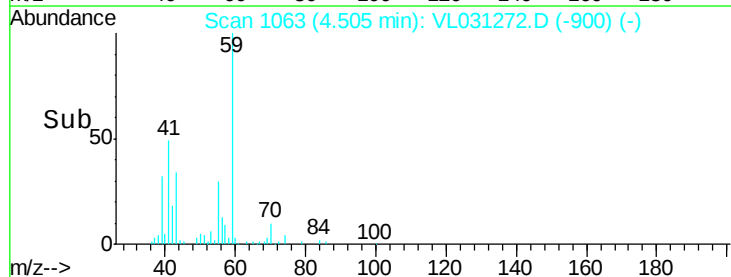
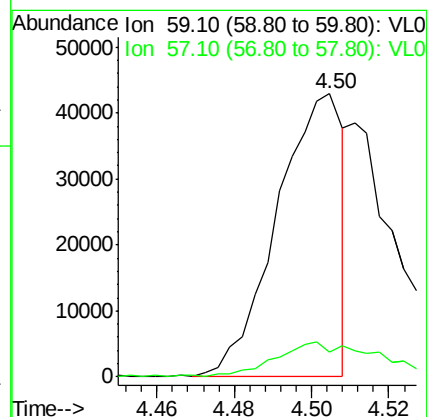
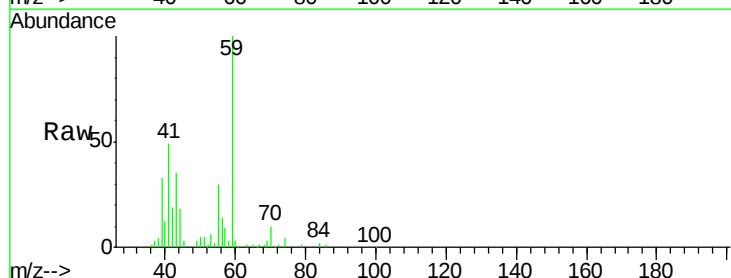
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

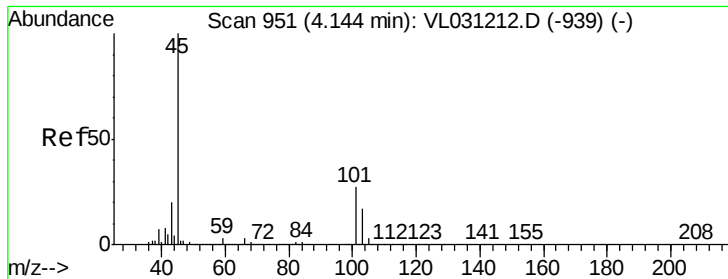
Tgt Ion: 39 Resp: 697915
 Ion Ratio Lower Upper
 39 100
 54 5.8 66.4 99.6#



#17
 tert-Butyl alcohol
 Concen: 0.41 ppbv
 RT: 4.50 min Scan# 1063
 Delta R.T. 0.02 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 59 Resp: 50865
 Ion Ratio Lower Upper
 59 100
 57 21.3 8.2 12.2#





#19

Isopropyl Alcohol

Concen: 0.57 ppbv

RT: 4.15 min Scan# 954

Delta R.T. 0.01 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

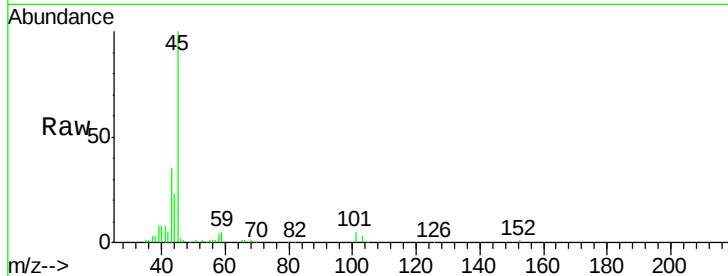
T5P3

Tgt Ion: 45 Resp: 80619

Ion Ratio Lower Upper

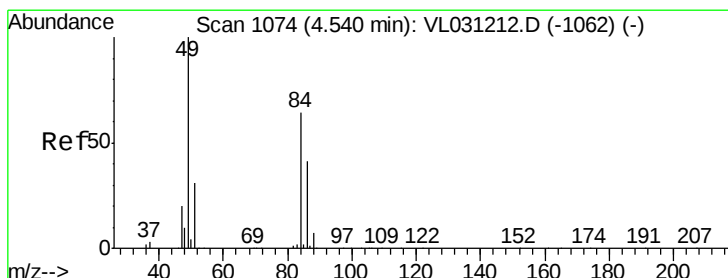
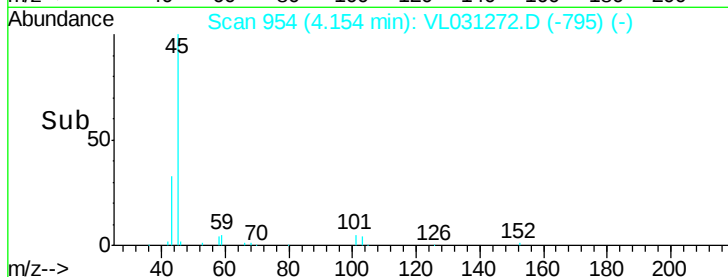
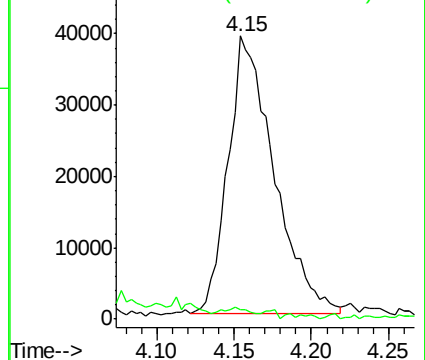
45 100

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: 3.86 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Tgt Ion: 84 Resp: 284294

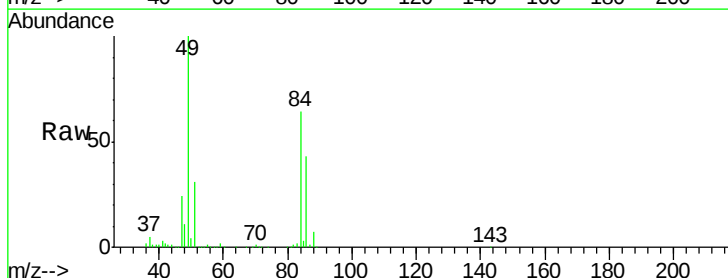
Ion Ratio Lower Upper

84 100

49 155.6 125.8 188.6

51 48.2 39.3 58.9

86 67.2 51.1 76.7

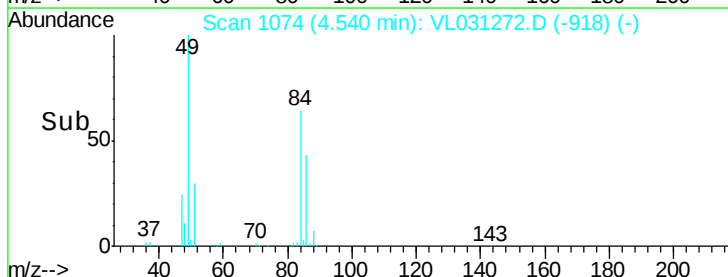
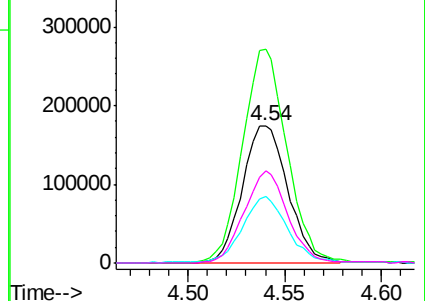


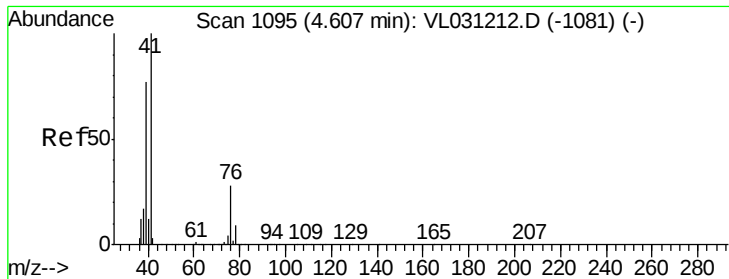
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

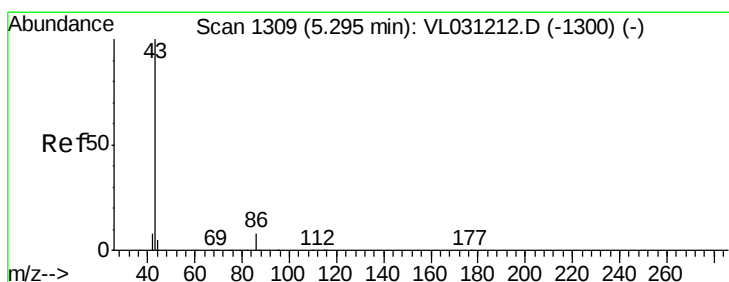
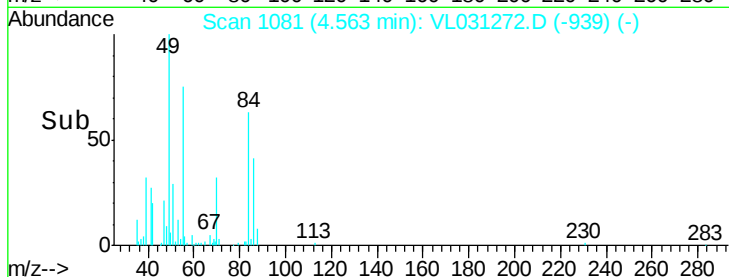
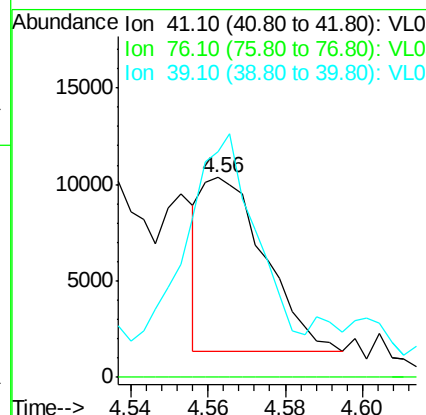
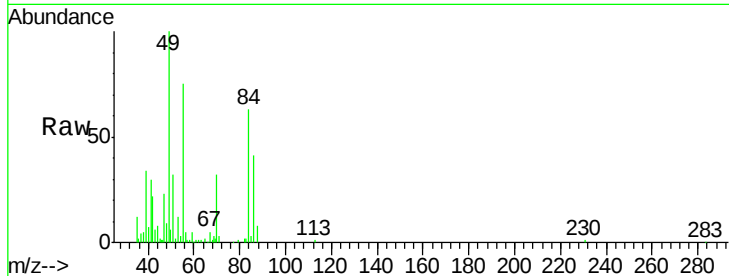




#21
 Allyl Chloride
 Concen: 0.08 ppbv
 RT: 4.56 min Scan# 1081
 Delta R.T. -0.04 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

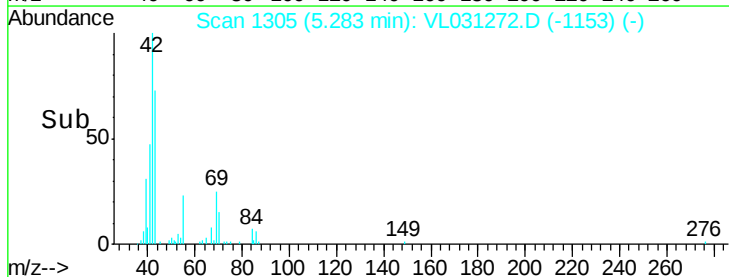
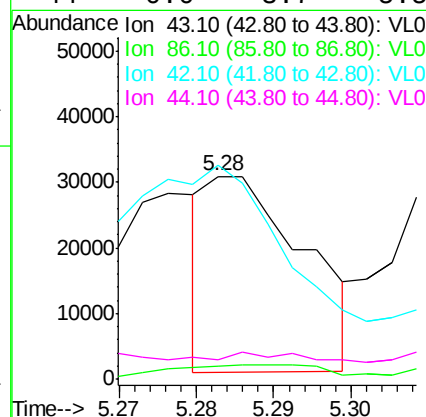
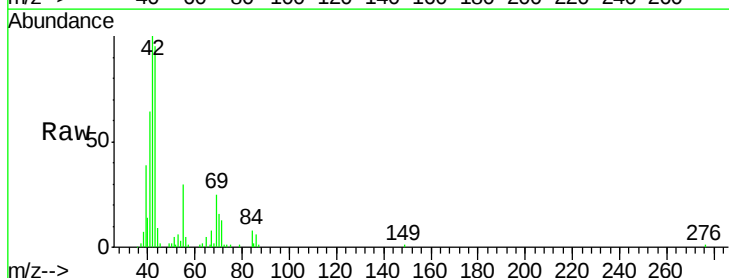
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

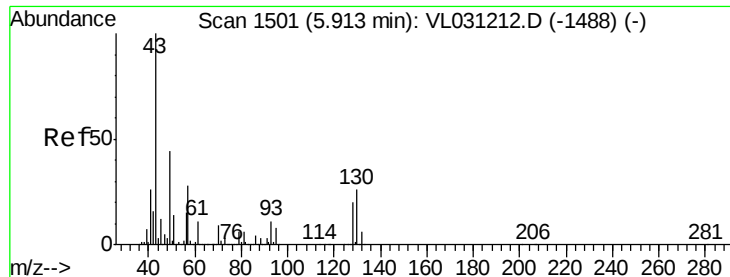
Tgt Ion: 41 Resp: 10207
 Ion Ratio Lower Upper
 41 100
 76 0.0 22.9 34.3#
 39 206.9 62.6 93.8#



#23
 Vinyl Acetate
 Concen: 0.07 ppbv
 RT: 5.28 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 43 Resp: 26014
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.9 8.9
 42 137.4 7.3 10.9#
 44 0.0 3.7 5.5#

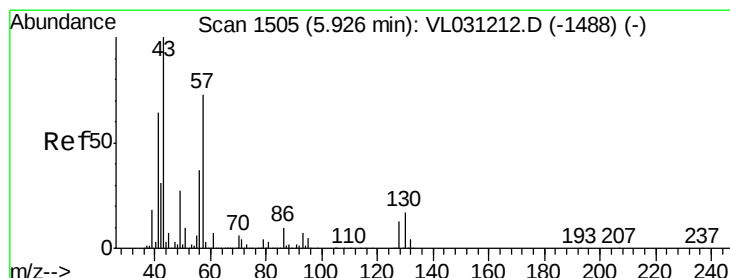
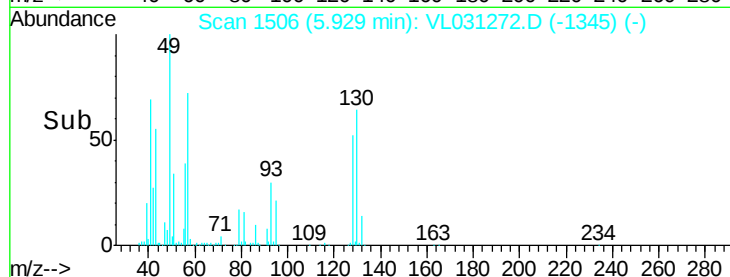
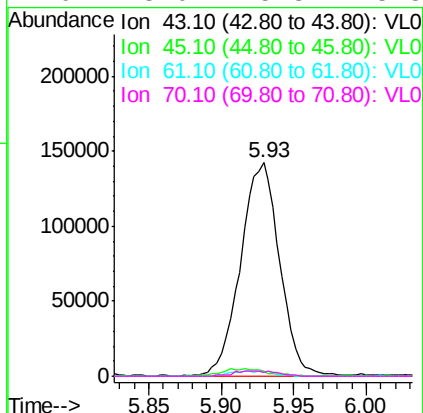
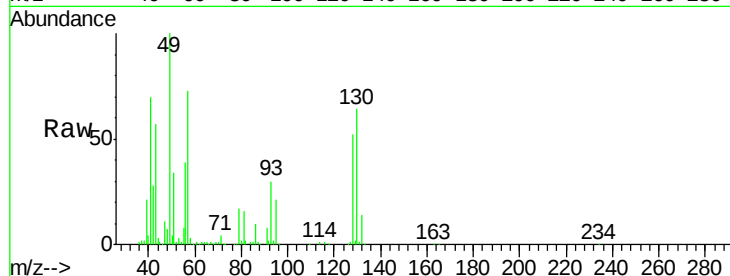




#25
Ethyl Acetate
Concen: 0.59 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.02 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

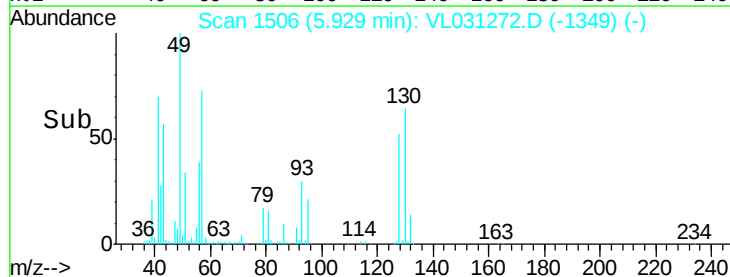
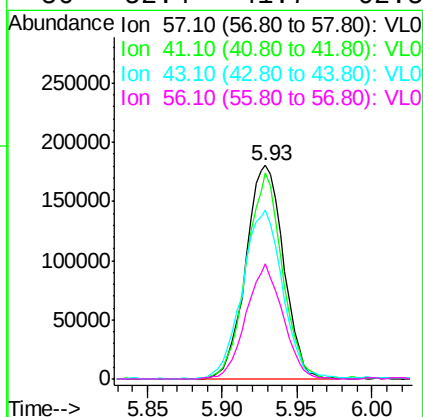
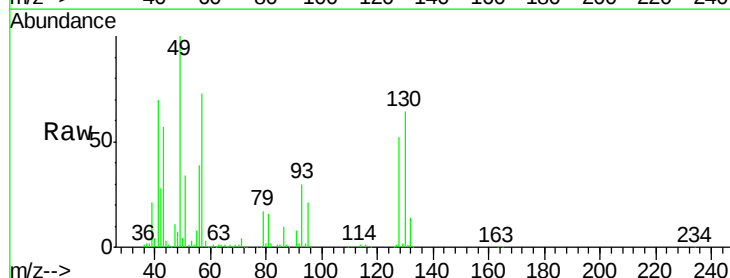
Instrument :
MSVOA_L
ClientSampleId :
T5P3

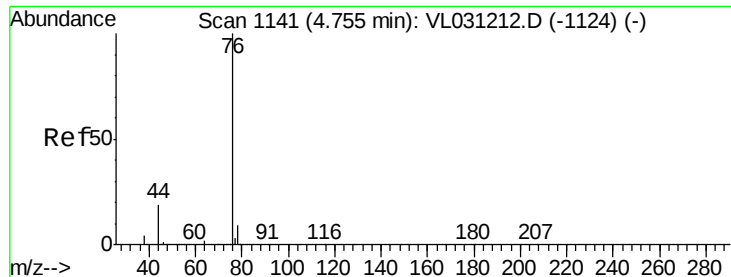
Tgt Ion:	43	Resp:	266186
Ion	Ratio	Lower	Upper
43	100		
45	4.4	8.0	12.0#
61	2.8	7.4	11.0#
70	3.0	5.8	8.8#



#26
Hexane
Concen: 1.47 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

Tgt Ion:	57	Resp:	317356
Ion	Ratio	Lower	Upper
57	100		
41	91.9	70.3	105.5
43	84.4	173.8	260.8#
56	52.4	41.7	62.5





#27

Carbon Disulfide

Concen: 0.09 ppbv

RT: 4.76 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

T5P3

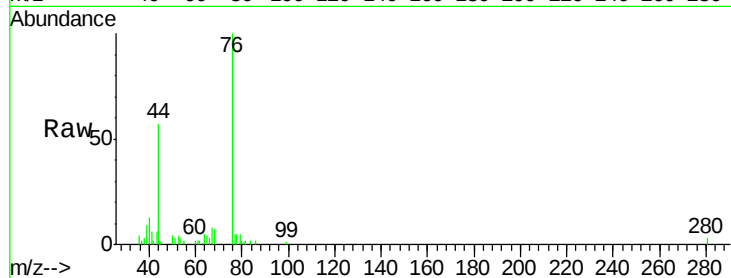
Tgt Ion: 76 Resp: 19523

Ion Ratio Lower Upper

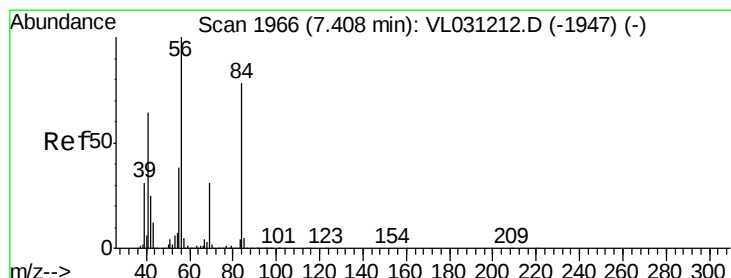
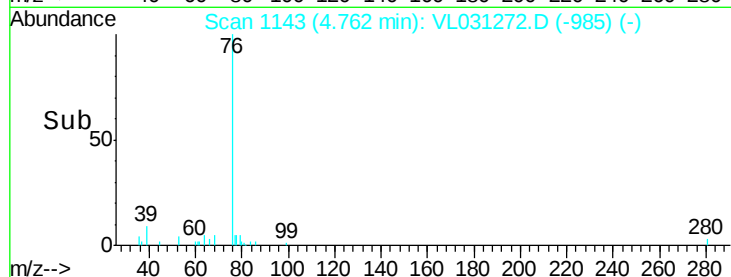
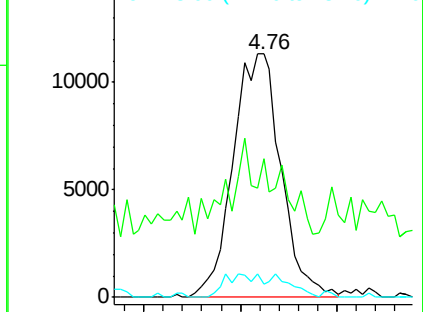
76 100

44 44.2 16.0 24.0#

78 12.0 7.5 11.3#



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



#30

Cyclohexane

Concen: 0.07 ppbv

RT: 7.40 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

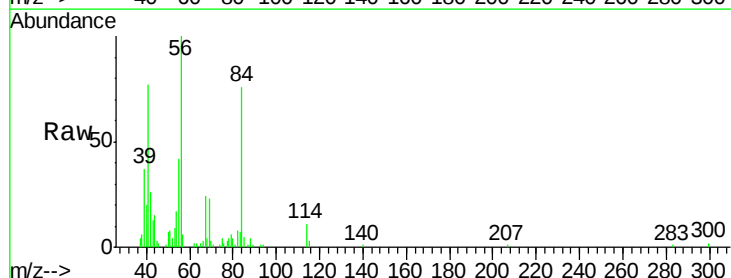
Tgt Ion: 84 Resp: 13155

Ion Ratio Lower Upper

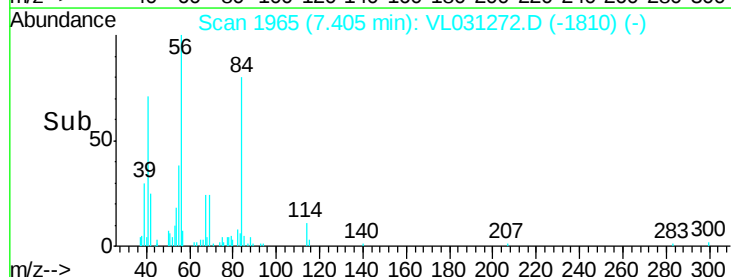
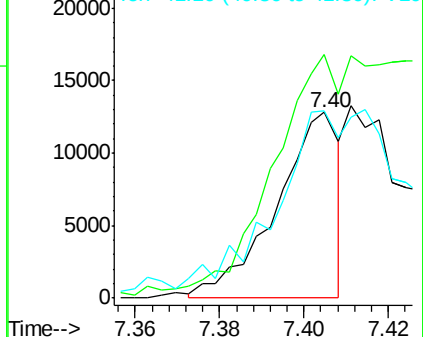
84 100

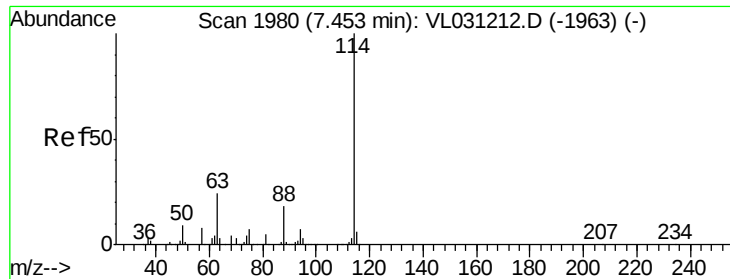
56 0.0 108.0 162.0#

41 0.0 66.2 99.4#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

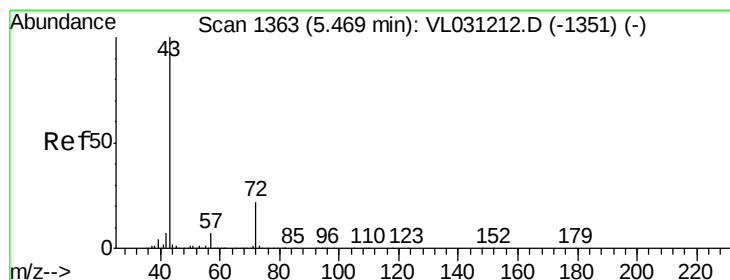
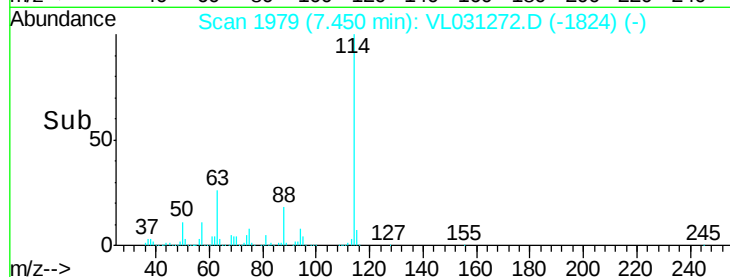
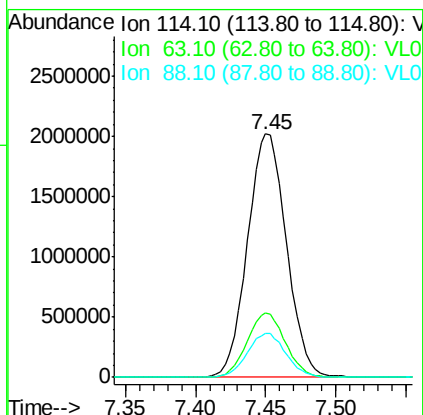
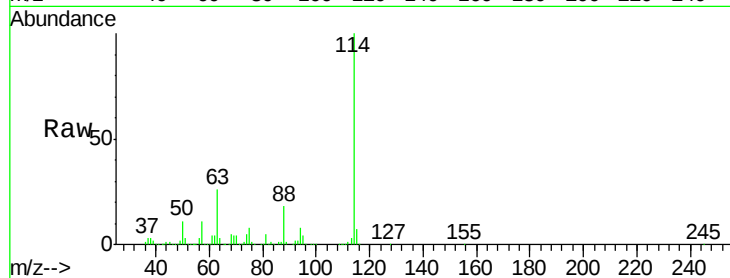




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

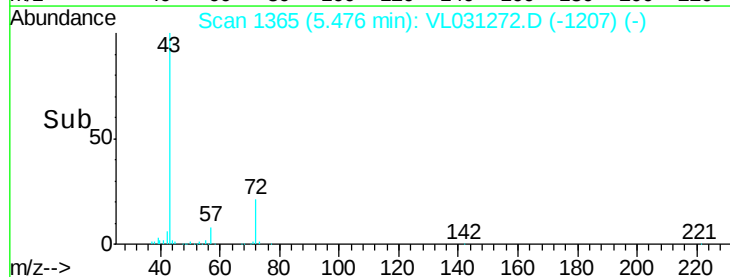
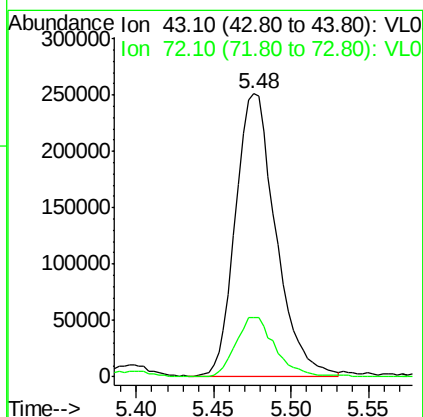
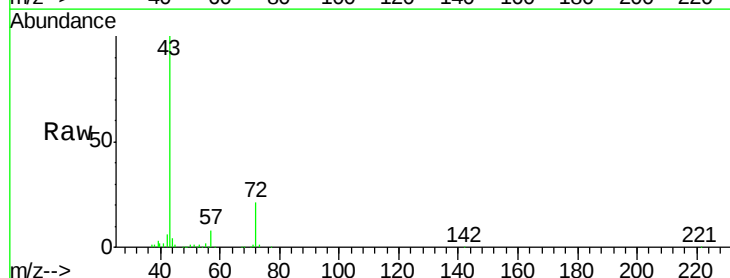
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

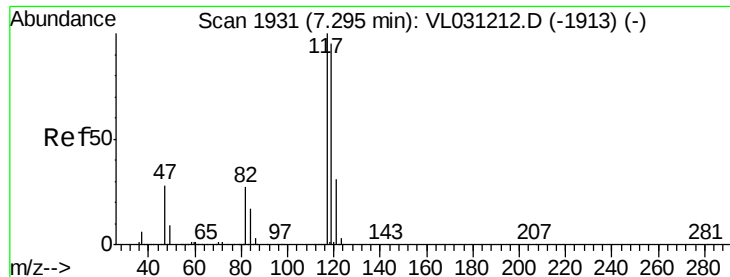
Tgt Ion:114 Resp: 3904698
 Ion Ratio Lower Upper
 114 100
 63 26.0 19.8 29.8
 88 18.1 14.2 21.4



#34
 2-Butanone
 Concen: 1.64 ppbv
 RT: 5.48 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 43 Resp: 453017
 Ion Ratio Lower Upper
 43 100
 72 20.8 18.1 27.1





#35

Carbon Tetrachloride

Concen: 0.06 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

T5P3

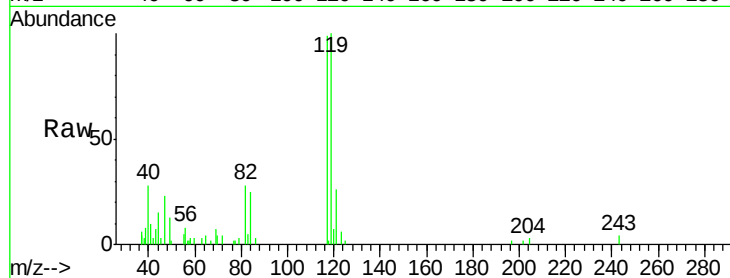
Tgt Ion:117 Resp: 17220

Ion Ratio Lower Upper

117 100

119 100.7 75.9 113.9

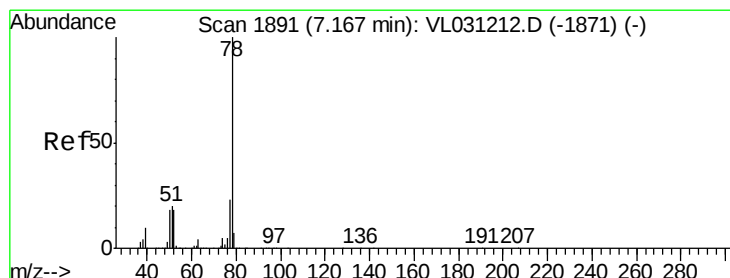
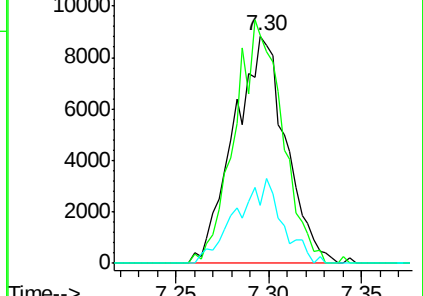
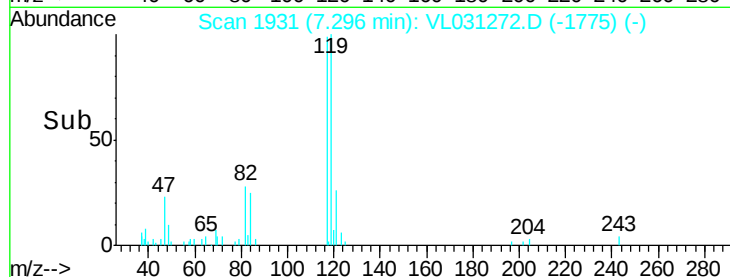
121 25.8 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.11 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

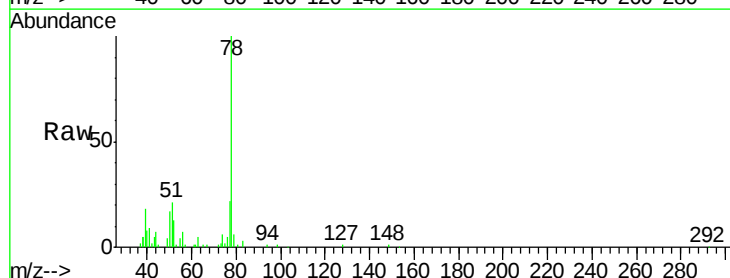
Tgt Ion: 78 Resp: 43586

Ion Ratio Lower Upper

78 100

77 21.8 18.1 27.1

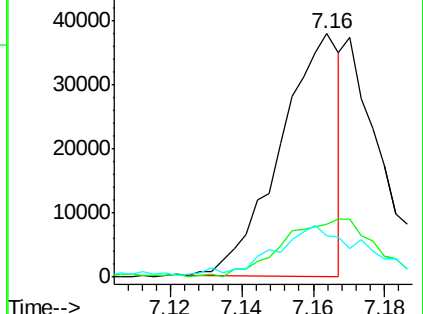
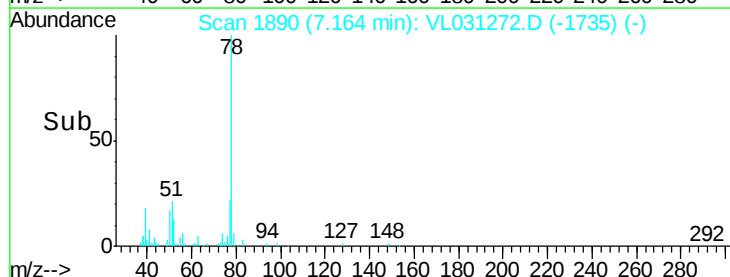
50 15.5 14.6 21.8

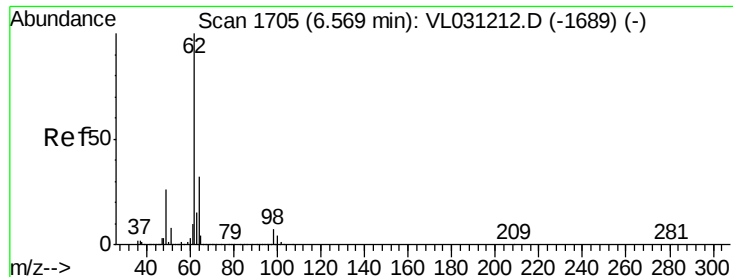


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

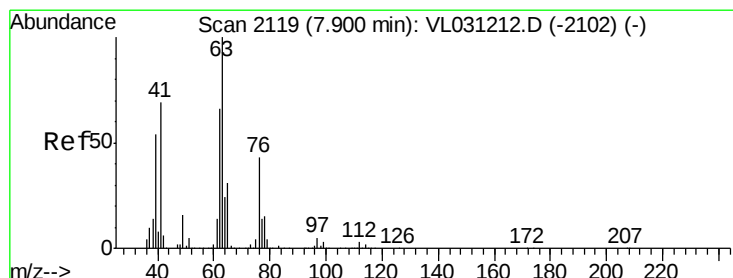
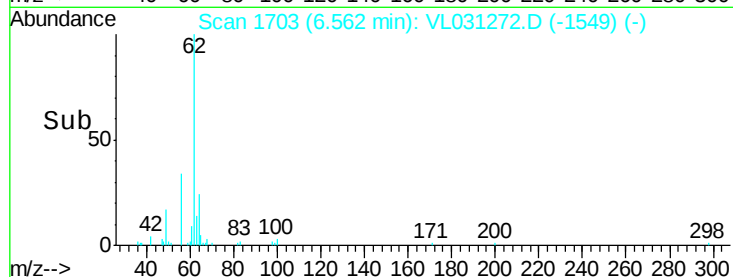
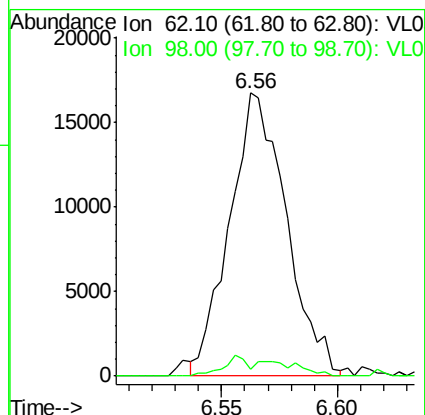
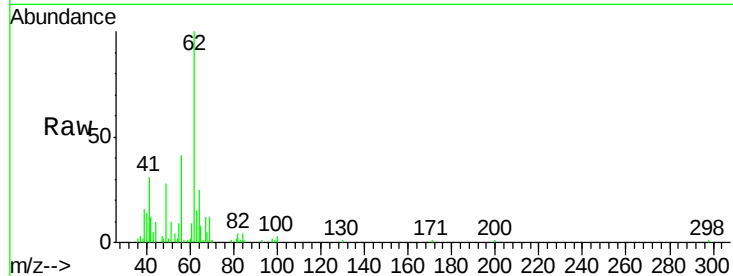




#37
 1,2-Dichloroethane
 Concen: 0.12 ppbv
 RT: 6.56 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

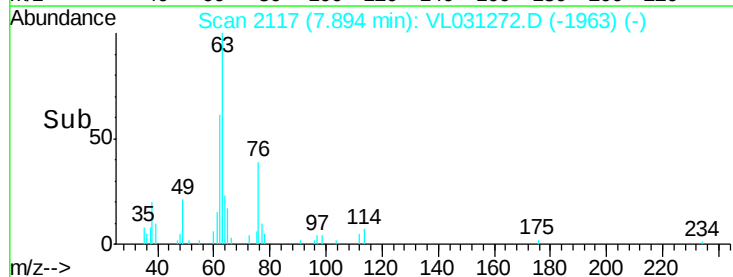
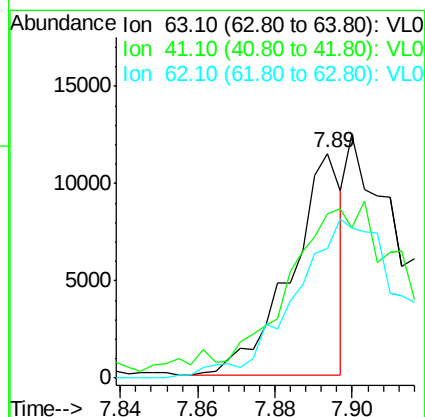
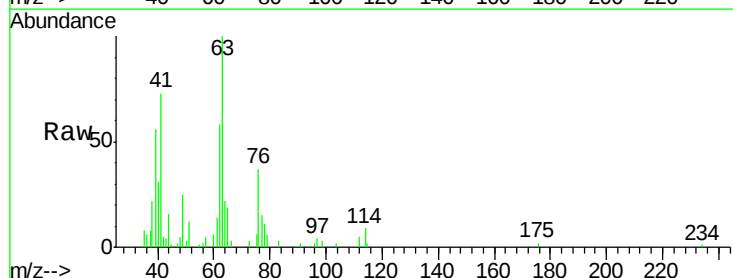
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

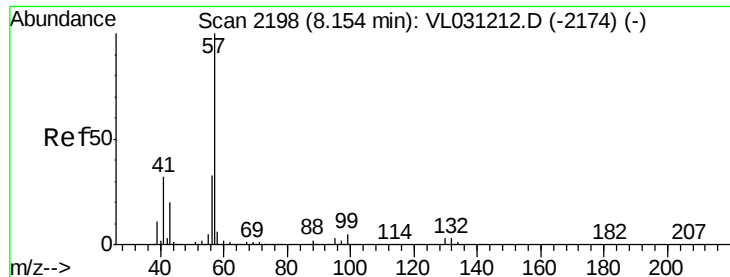
Tgt Ion: 62 Resp: 28464
 Ion Ratio Lower Upper
 62 100
 98 7.2 5.4 8.2



#39
 1,2-Dichloropropane
 Concen: 0.07 ppbv
 RT: 7.89 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 63 Resp: 10294
 Ion Ratio Lower Upper
 63 100
 41 66.3 55.2 82.8
 62 57.2 53.0 79.4





#44

2,2,4-Trimethylpentane

Concen: 0.30 ppbv

RT: 8.15 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampled :

T5P3

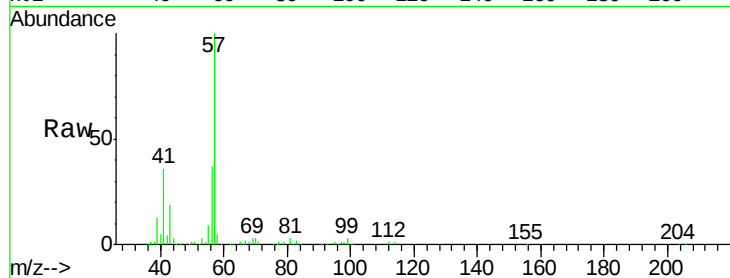
Tgt Ion: 57 Resp: 188717

Ion Ratio Lower Upper

57 100

41 39.2 25.5 38.3#

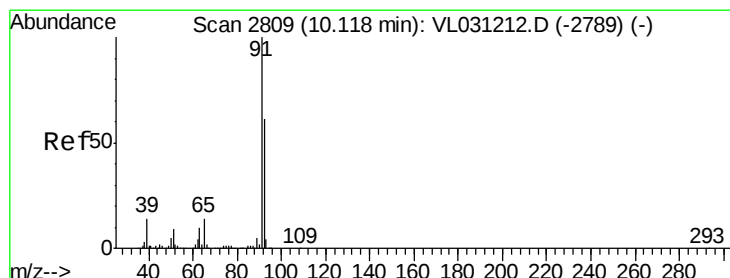
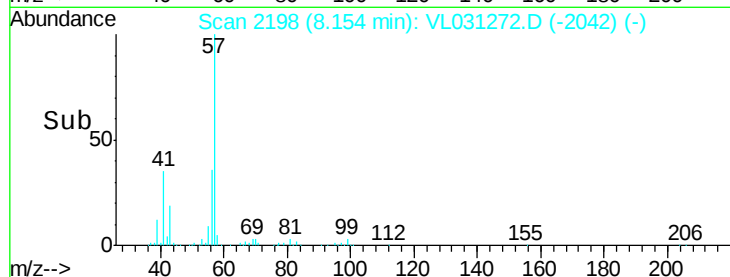
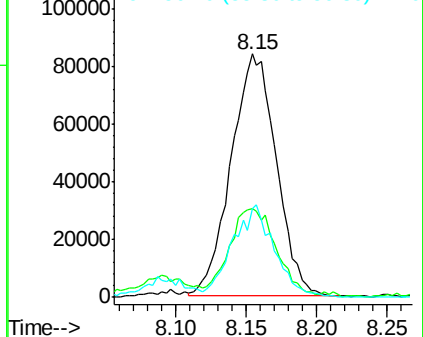
56 35.4 25.0 37.6



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#53

Toluene

Concen: 4.78 ppbv

RT: 10.12 min Scan# 2808

Delta R.T. -0.00 min

Lab File: VL031272.D

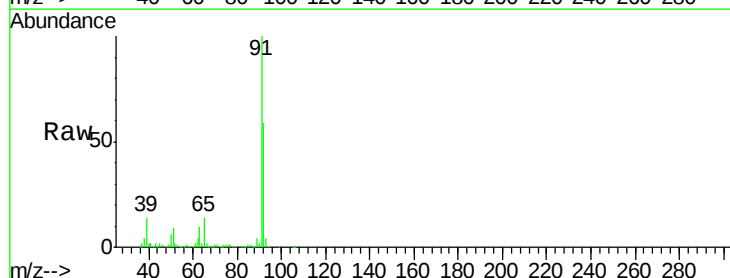
Acq: 20 Dec 2017 16:04

Tgt Ion: 91 Resp: 2144681

Ion Ratio Lower Upper

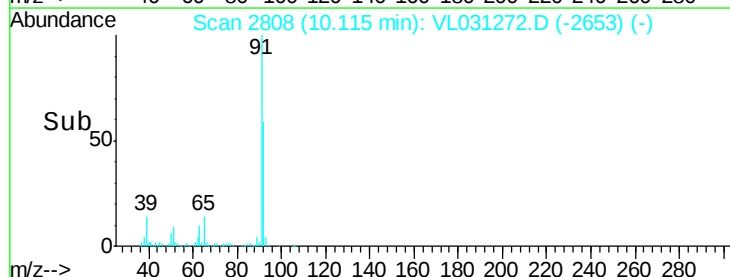
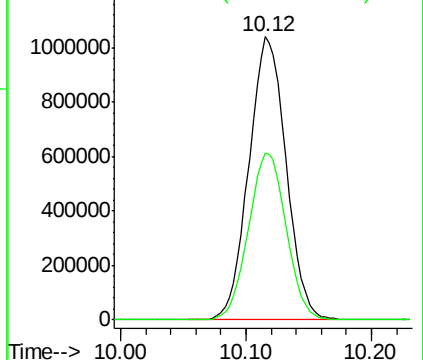
91 100

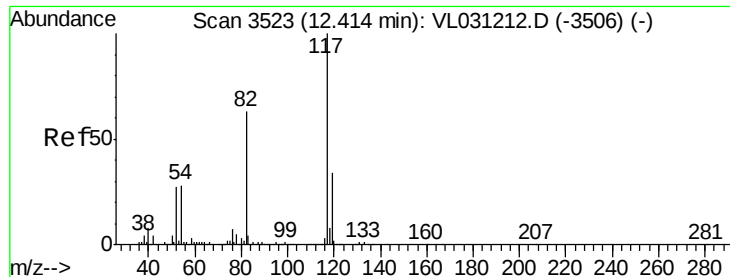
92 59.9 49.1 73.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

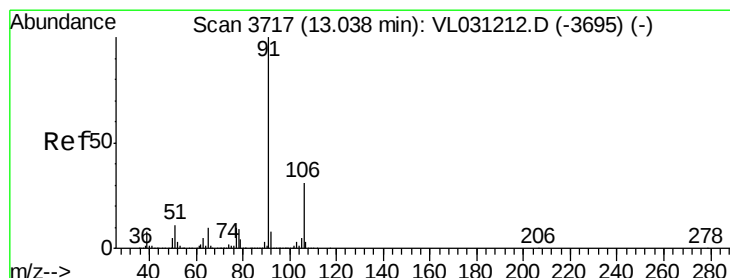
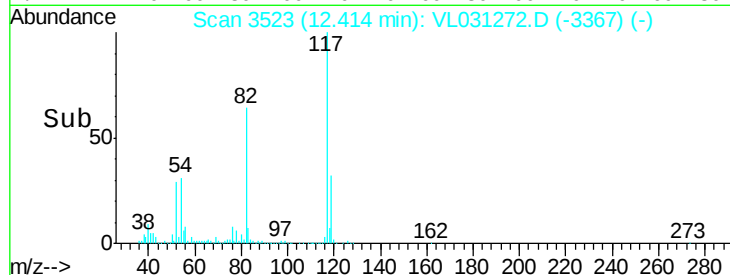
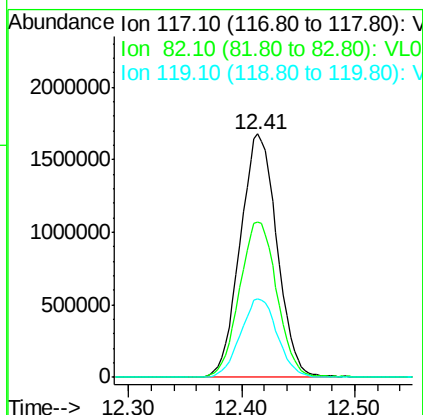
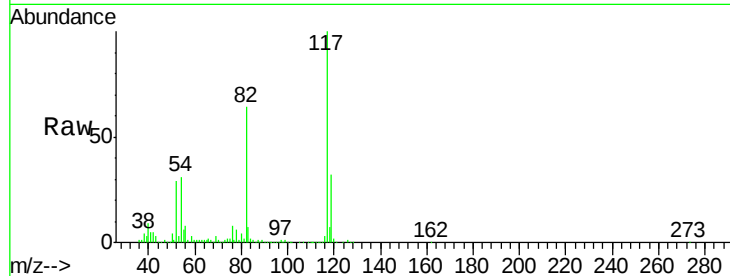




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3523
Delta R.T. 0.00 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

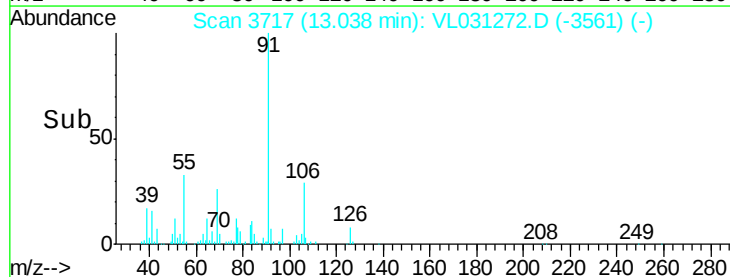
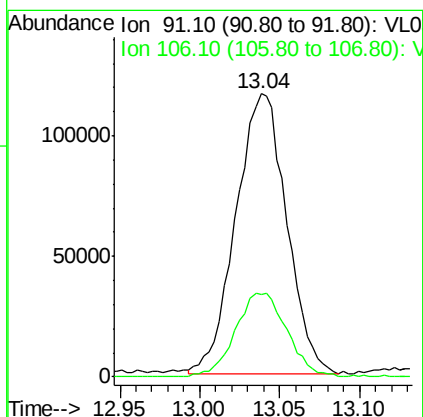
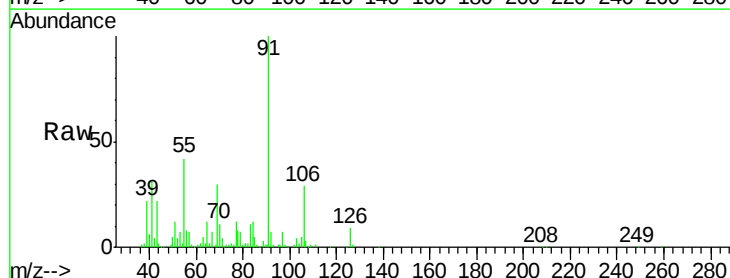
Instrument :
MSVOA_L
ClientSampled :
T5P3

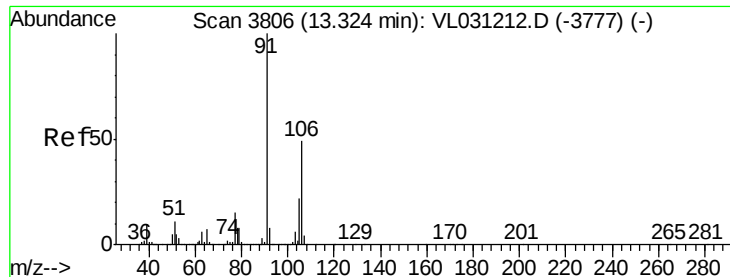
Tgt Ion: 117 Resp: 3792307
Ion Ratio Lower Upper
117 100
82 65.7 48.1 72.1
119 32.6 23.1 34.7



#58
Ethyl Benzene
Concen: 0.40 ppbv
RT: 13.04 min Scan# 3717
Delta R.T. 0.00 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

Tgt Ion: 91 Resp: 251007
Ion Ratio Lower Upper
91 100
106 29.3 25.1 37.7

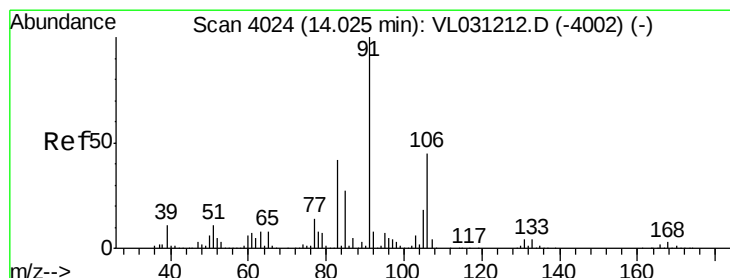
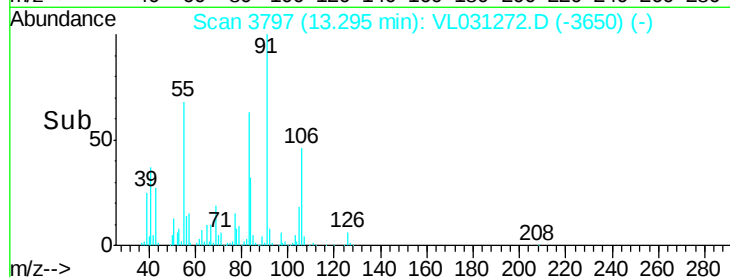
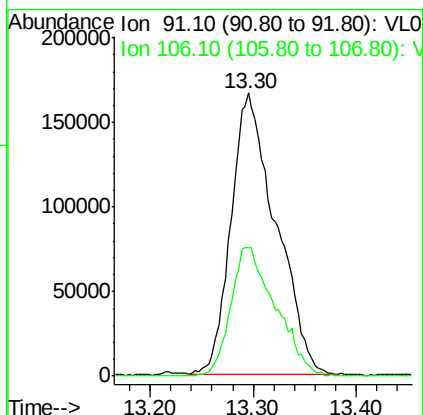
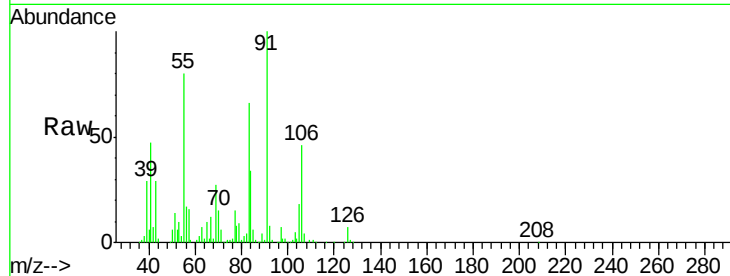




#59
m/p-Xylene
Concen: 1.00 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.03 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

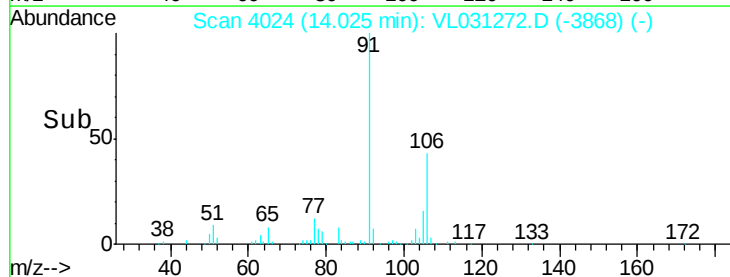
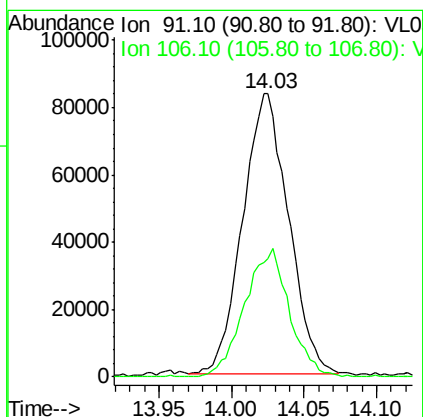
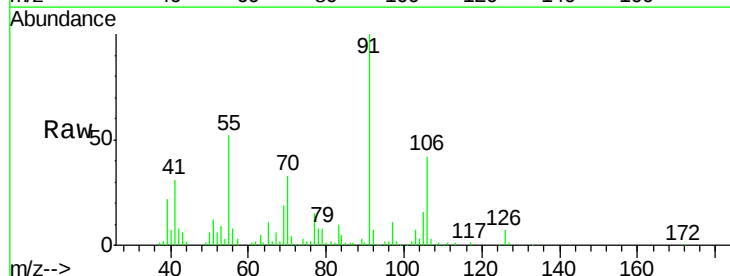
Instrument :
MSVOA_L
ClientSampleId :
T5P3

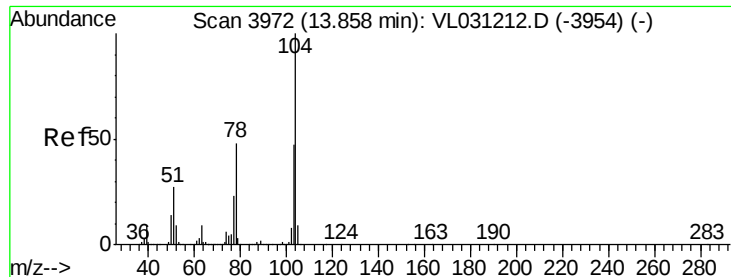
Tgt Ion: 91 Resp: 503338
Ion Ratio Lower Upper
91 100
106 46.0 38.5 57.7



#60
o-Xylene
Concen: 0.36 ppbv
RT: 14.03 min Scan# 4024
Delta R.T. 0.00 min
Lab File: VL031272.D
Acq: 20 Dec 2017 16:04

Tgt Ion: 91 Resp: 183883
Ion Ratio Lower Upper
91 100
106 44.6 22.7 68.1





#61

Styrene

Concen: 2.75 ppbv

RT: 13.86 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL031272.D

Acq: 20 Dec 2017 16:04

Instrument :

MSVOA_L

ClientSampleId :

T5P3

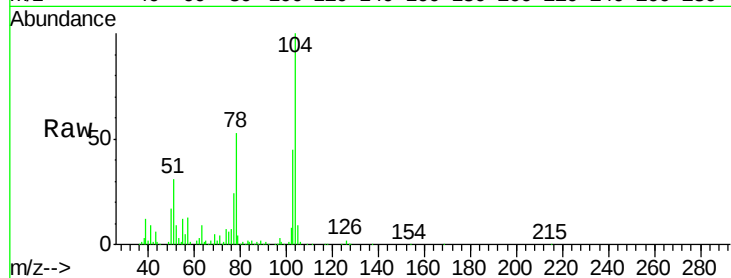
Tgt Ion:104 Resp: 398765

Ion Ratio Lower Upper

104 100

78 53.4 39.1 58.7

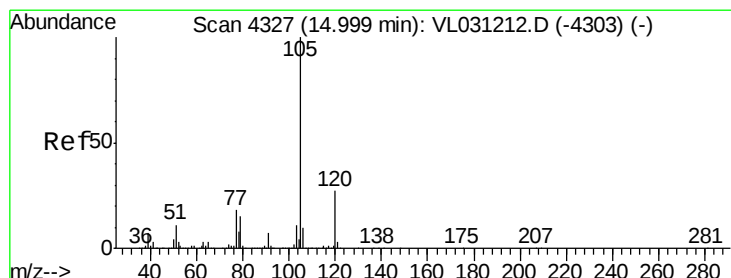
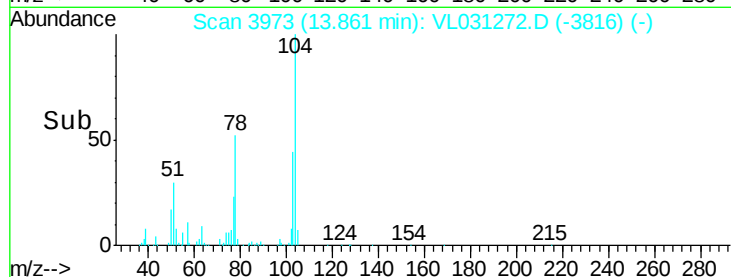
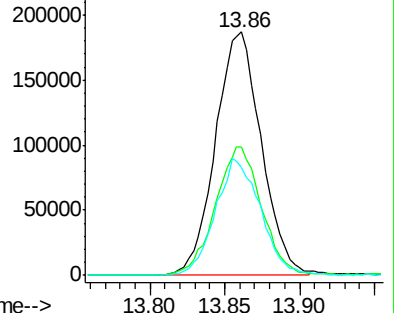
103 47.3 37.3 55.9



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: 8.80 ppbv

RT: 15.00 min Scan# 4327

Delta R.T. 0.00 min

Lab File: VL031272.D

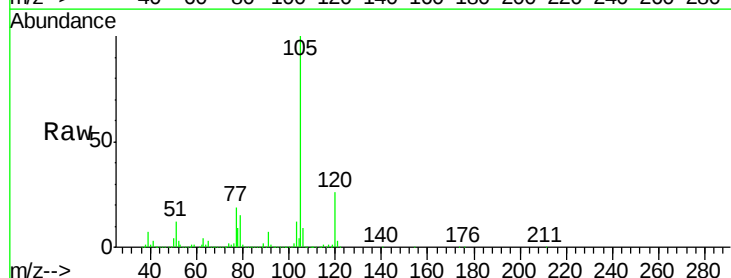
Acq: 20 Dec 2017 16:04

Tgt Ion:105 Resp: 5830666

Ion Ratio Lower Upper

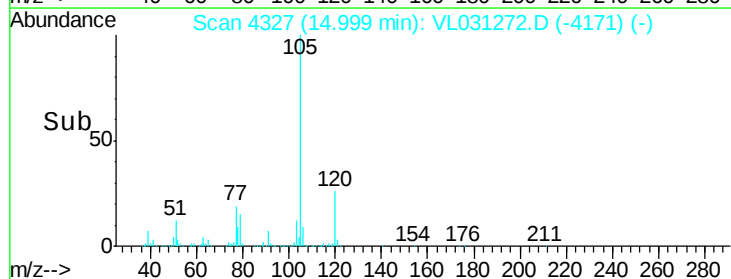
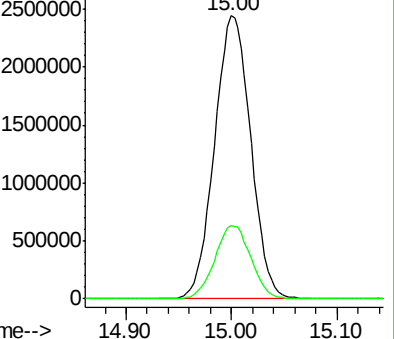
105 100

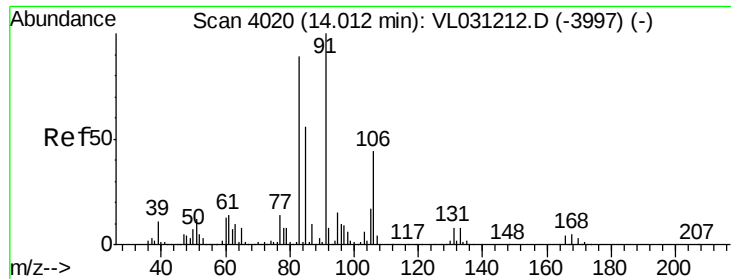
120 25.9 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

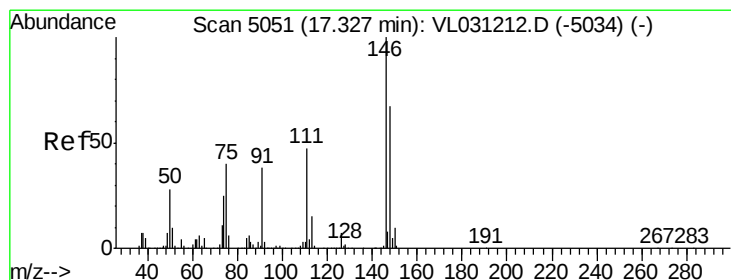
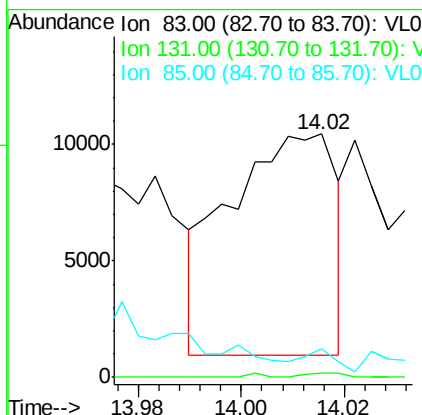
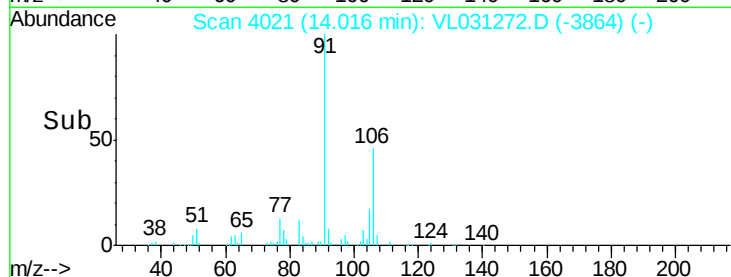
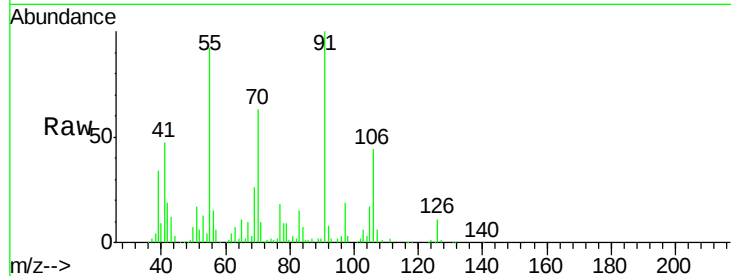




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.04 ppbv
 RT: 14.02 min Scan# 4021
 Delta R.T. 0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

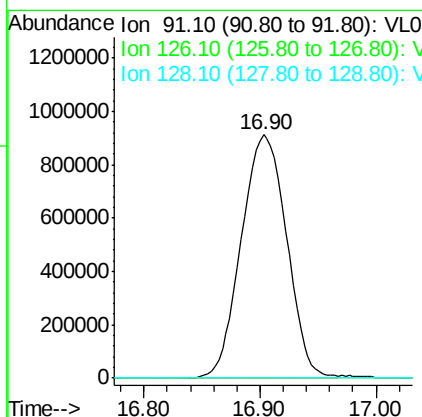
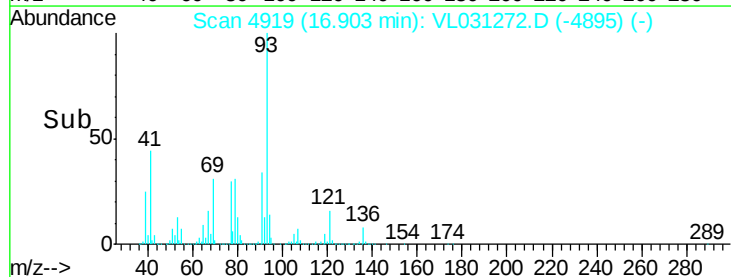
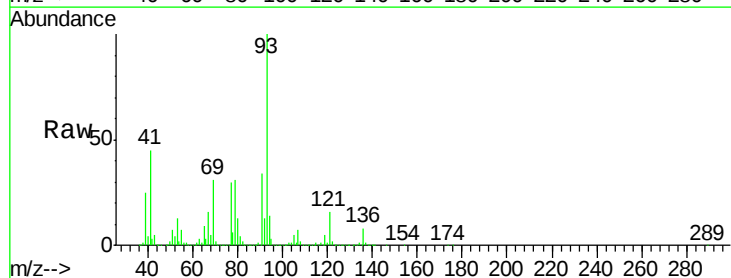
Instrument :
 MSVOA_L
 ClientSampled :
 T5P3

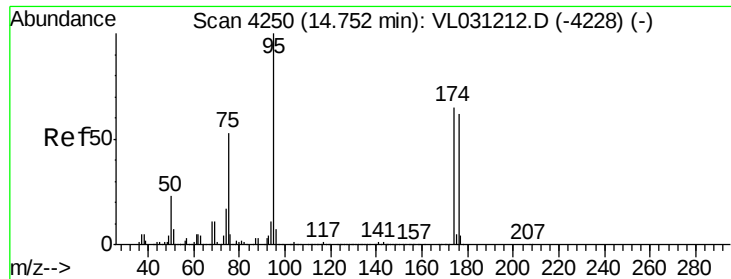
Tgt Ion: 83 Resp: 13695
 Ion Ratio Lower Upper
 83 100
 131 1.0 4.8 14.3#
 85 0.0 32.1 96.5#



#66
 Benzyl Chloride
 Concen: 39.16 ppbv
 RT: 16.90 min Scan# 4919
 Delta R.T. -0.42 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 91 Resp: 2476266
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 22.8#
 128 0.2 4.9 7.3#

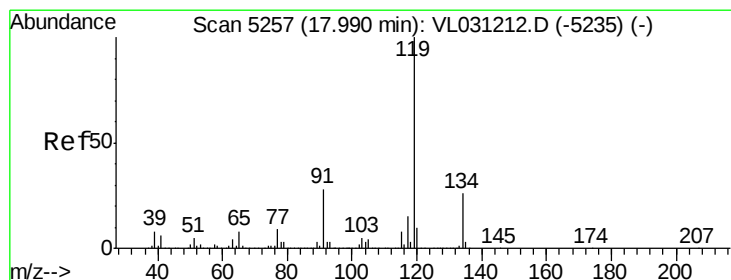
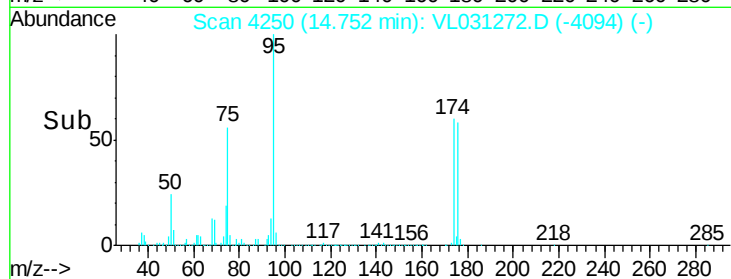
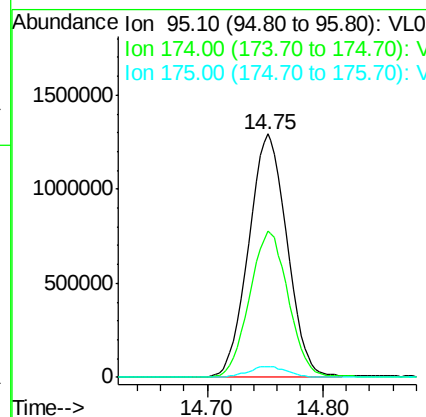
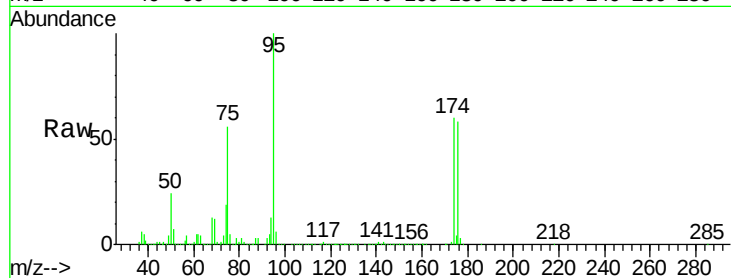




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.06 ppbv
 RT: 14.75 min Scan# 4250
 Delta R.T. 0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

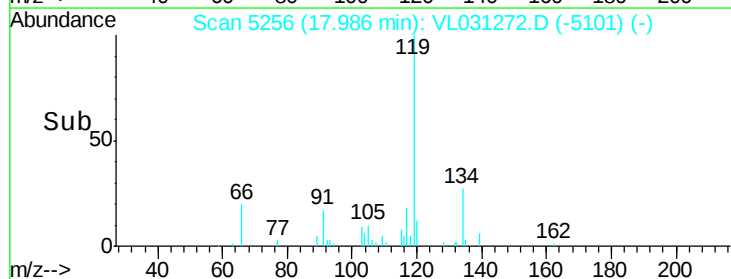
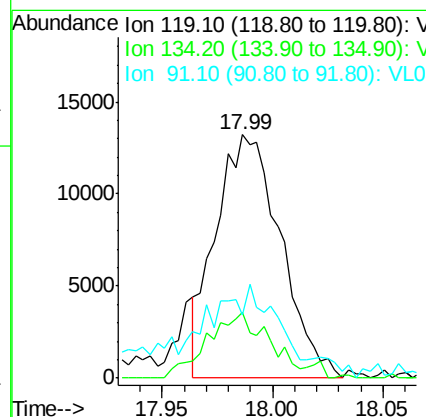
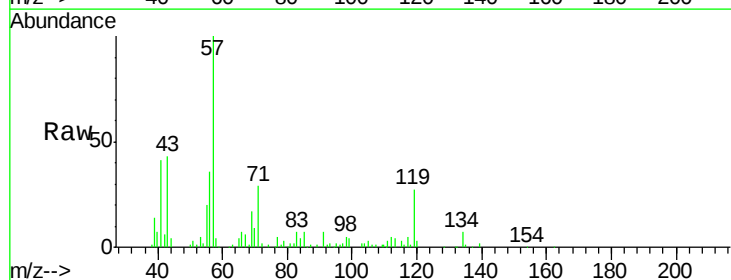
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

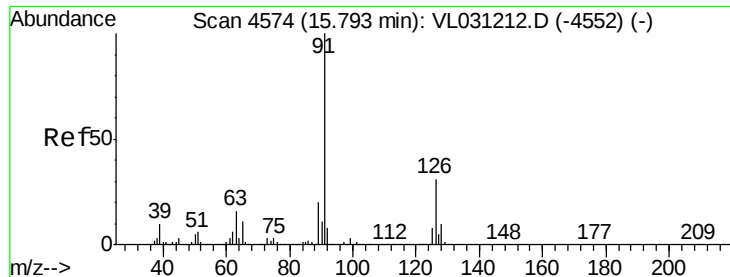
Tgt Ion: 95 Resp: 2982705
 Ion Ratio Lower Upper
 95 100
 174 61.2 52.5 78.7
 175 4.6 4.1 6.1



#69
 p-Isopropyltoluene
 Concen: 0.04 ppbv
 RT: 17.99 min Scan# 5256
 Delta R.T. -0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 119 Resp: 26948
 Ion Ratio Lower Upper
 119 100
 134 27.0 20.7 31.1
 91 45.5 22.3 33.5#

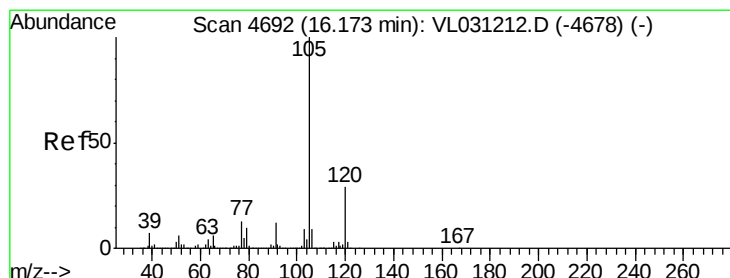
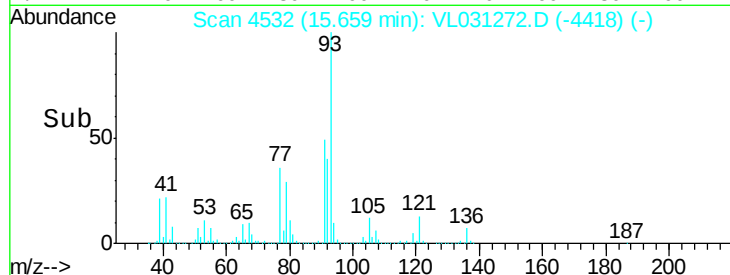
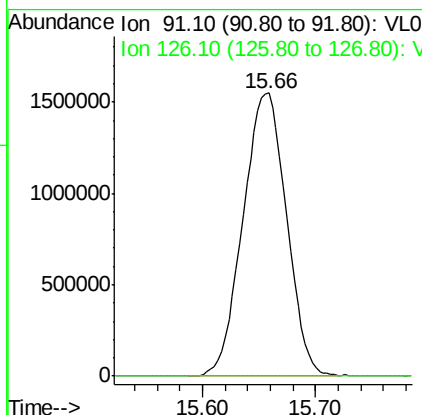
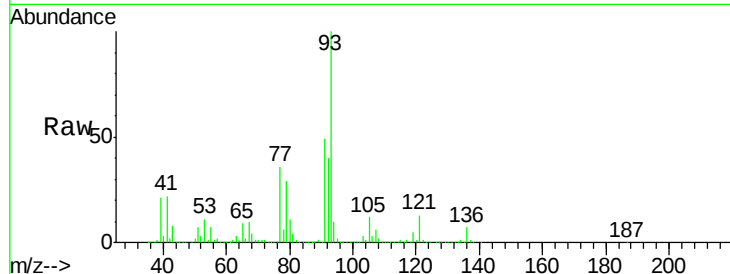




#71
 2-Chlorotoluene
 Concen: 8.41 ppbv
 RT: 15.66 min Scan# 4532
 Delta R.T. -0.13 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

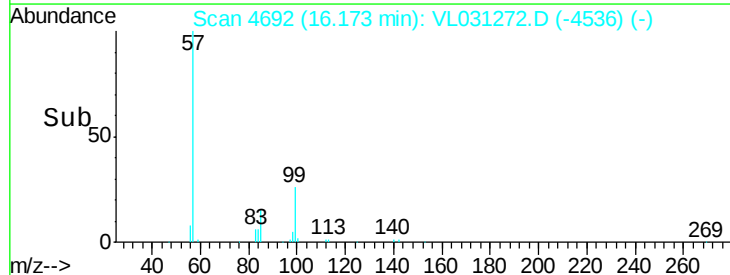
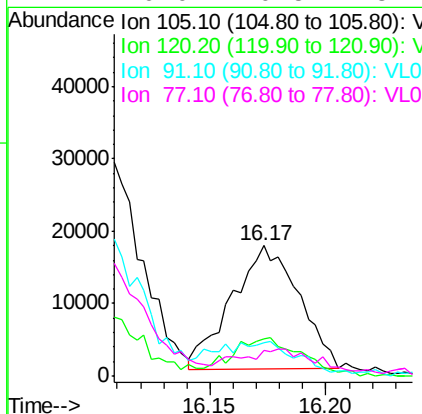
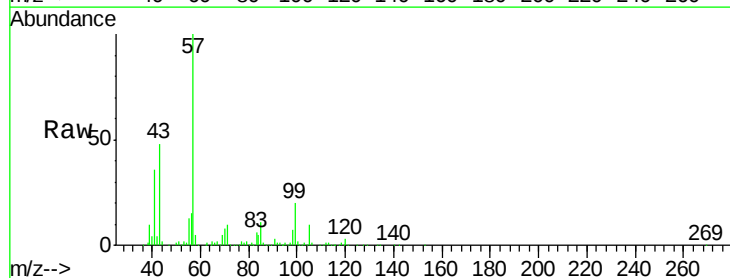
Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

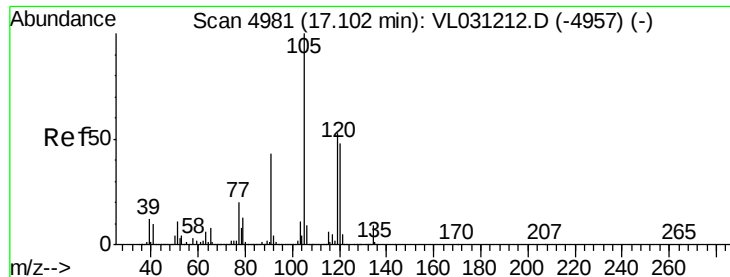
Tgt Ion: 91 Resp: 4134437
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.6 50.6#



#72
 4-Ethyltoluene
 Concen: 0.06 ppbv
 RT: 16.17 min Scan# 4692
 Delta R.T. 0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion: 105 Resp: 34258
 Ion Ratio Lower Upper
 105 100
 120 33.0 24.2 36.2
 91 0.0 9.8 14.8#
 77 0.0 10.5 15.7#

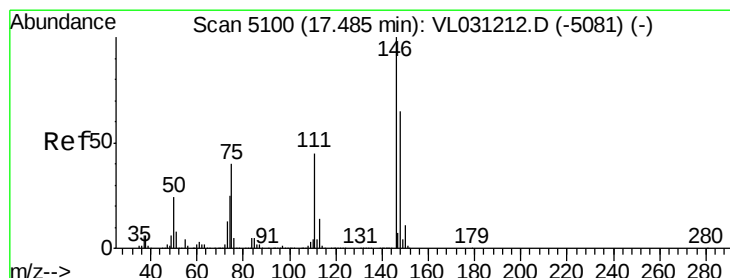
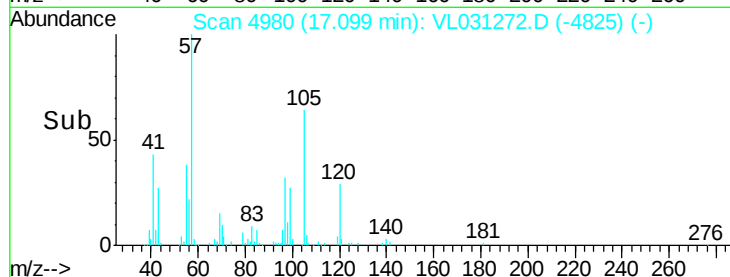
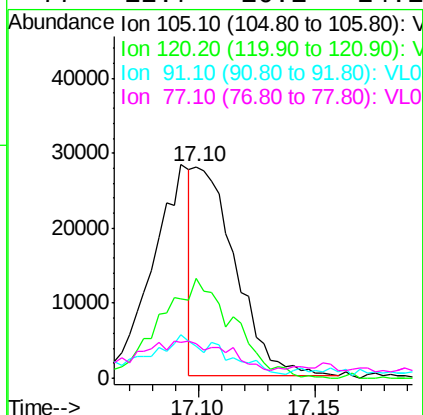
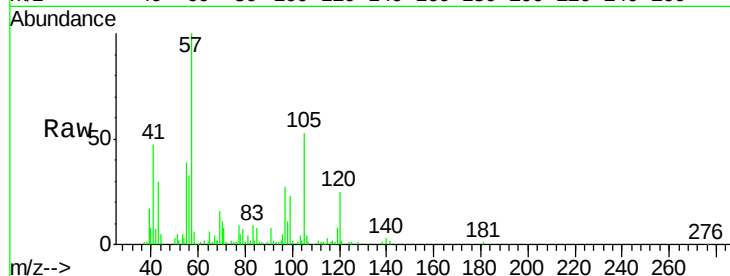




#74
 1,2,4-Trimethylbenzene
 Concen: 0.07 ppbv
 RT: 17.10 min Scan# 4980
 Delta R.T. -0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Instrument :
 MSVOA_L
 ClientSampleId :
 T5P3

Tgt Ion:	105	Resp:	34672
Ion	Ratio	Lower	Upper
105	100		
120	53.1	38.6	58.0
91	12.8	34.2	51.4#
77	12.7	16.1	24.1#



#76
 1,4-Dichlorobenzene
 Concen: 0.06 ppbv
 RT: 17.48 min Scan# 5099
 Delta R.T. -0.00 min
 Lab File: VL031272.D
 Acq: 20 Dec 2017 16:04

Tgt Ion:	146	Resp:	20793
Ion	Ratio	Lower	Upper
146	100		
111	189.2	22.1	66.1#
148	0.0	32.0	96.0#

