

Data File : VL032261.D
Acq On : 18 Jul 2018 10:38
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jul 18 12:38:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 09:58:24 2018
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1730067	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3742970	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4332549	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3378711	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	319972	1.285	ppbv	99
3) Chlorodifluoromethane	3.06	51	202986	0.955	ppbv	98
4) Chloromethane	3.22	50	119926	0.992	ppbv	96
5) Vinyl Chloride	3.35	62	109291	0.917	ppbv	96
6) Bromomethane	3.57	94	60470	0.912	ppbv	93
7) Chloroethane	3.66	64	39376	0.960	ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	269424	0.985	ppbv	97
9) Propene	3.09	41	83379	0.920	ppbv	99
10) Heptane	8.33	43	298310	1.159	ppbv	97
11) Trichlorofluoromethane	4.07	101	253074	1.062	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	158992	1.045	ppbv	98
13) Ethanol	3.72	45	28025	1.071	ppbv	94
14) Bromoethene	3.85	108	68301	0.951	ppbv	92
15) Acetone	3.97	43	192610	0.959	ppbv	99
16) 1,3-Butadiene	3.42	39	90948	0.897	ppbv	93
17) tert-Butyl alcohol	4.44	59	30213	0.322	ppbv #	61
18) 1,1-Dichloroethene	4.42	96	69548	0.982	ppbv	84
19) Isopropyl Alcohol	4.10	45	133554	1.013	ppbv #	94
20) Methylene Chloride	4.48	84	76305	1.122	ppbv	93
21) Allyl Chloride	4.55	41	117643	1.001	ppbv	94
22) trans-1,2-Dichloroethene	5.04	96	72776	1.079	ppbv #	87
23) Vinyl Acetate	5.23	43	323459	0.969	ppbv #	97
24) 1,1-Dichloroethane	5.16	63	252995	1.079	ppbv	98
25) Ethyl Acetate	5.85	43	409693	1.031	ppbv	99
26) Hexane	5.86	57	192250	1.061	ppbv	97
27) Carbon Disulfide	4.69	76	156490	0.965	ppbv #	88
28) Methyl tert-Butyl Ether	5.19	73	276599	0.970	ppbv	99
29) Chloroform	5.92	83	279863	1.000	ppbv	96
30) Cyclohexane	7.33	84	73971	0.463	ppbv #	1
31) cis-1,2-Dichloroethene	5.71	61	180720	0.999	ppbv	96
32) 1,1,1-Trichloroethane	6.70	97	274819	1.012	ppbv	98
34) 2-Butanone	5.41	43	266637	1.046	ppbv	100
35) Carbon Tetrachloride	7.21	117	270037	1.066	ppbv	97
36) Benzene	7.09	78	386966	1.040	ppbv	99
37) 1,2-Dichloroethane	6.49	62	240767	1.182	ppbv	100
38) Trichloroethene	8.04	130	128194	1.005	ppbv	92
39) 1,2-Dichloropropane	7.82	63	152018	1.028	ppbv	97
40) 1,4-Dioxane	8.07	88	23936	0.472	ppbv #	1
41) Tetrahydrofuran	6.24	42	151483	1.061	ppbv	99
42) Bromodichloromethane	8.00	83	286214	0.987	ppbv	92
43) Methyl Methacrylate	8.22	69	154197	1.073	ppbv	99

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Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Jul 18 12:38:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 09:58:24 2018
QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	707180	1.105	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	148159	0.865	ppbv	89
46) cis-1,3-Dichloropropene	8.92	75	237706	1.018	ppbv	96
47) 1,1,2-Trichloroethane	9.70	97	186538	1.130	ppbv	96
48) Dibromochloromethane	10.54	129	253296	1.031	ppbv	98
49) Bromoform	13.29	173	210587	1.069	ppbv	99
50) 4-Methyl-2-Pentanone	8.97	43	469978	1.065	ppbv	97
51) 2-Hexanone	10.38	43	330613	0.897	ppbv #	98
52) Tetrachloroethene	11.47	164	139859	1.018	ppbv	91
53) Toluene	10.04	91	465942	1.059	ppbv	98
54) 1,2-Dibromoethane	10.85	107	255408	1.048	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.37	131	210707	1.120	ppbv #	1
57) Chlorobenzene	12.39	112	396376	1.082	ppbv	98
58) Ethyl Benzene	12.96	91	645721	1.024	ppbv	98
59) m/p-Xylene	13.24	91	495205	0.954	ppbv #	18
60) o-Xylene	13.94	91	569197	1.111	ppbv	99
61) Styrene	13.78	104	399376	1.041	ppbv	99
62) Isopropylbenzene	14.92	105	802015	1.117	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	471650	1.132	ppbv	98
64) n-propylbenzene	15.81	120	198311	1.091	ppbv	82
65) tert-Butylbenzene	17.00	119	701157	1.165	ppbv	98
66) Benzyl Chloride	17.25	91	324970	1.067	ppbv	97
67) sec-Butylbenzene	17.55	105	1029542	1.171	ppbv	99
69) p-Isopropyltoluene	17.91	119	392679	0.574	ppbv #	49
70) n-Butylbenzene	18.81	91	907013	1.200	ppbv	99
71) 2-Chlorotoluene	15.71	91	630144	1.115	ppbv	98
72) 4-Ethyltoluene	16.09	105	626061	1.089	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	622974	1.166	ppbv	98
74) 1,2,4-Trimethylbenzene	17.01	105	686818	1.257	ppbv	94
75) 1,3-Dichlorobenzene	17.25	146	382639	1.174	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	190577	0.597	ppbv #	23
77) 1,2-Dichlorobenzene	18.08	146	348821	1.077	ppbv	98
78) Hexachloro-1,3-Butadiene	23.62	225	124056	1.229	ppbv	98
79) Naphthalene	22.52	128	261867	0.714	ppbv	97
80) Naphthalene,2-methyl-	25.19	142	194307	1.658	ppbv	98
81) 1,2,4-Trichlorobenzene	22.25	180	180363	0.982	ppbv #	57

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

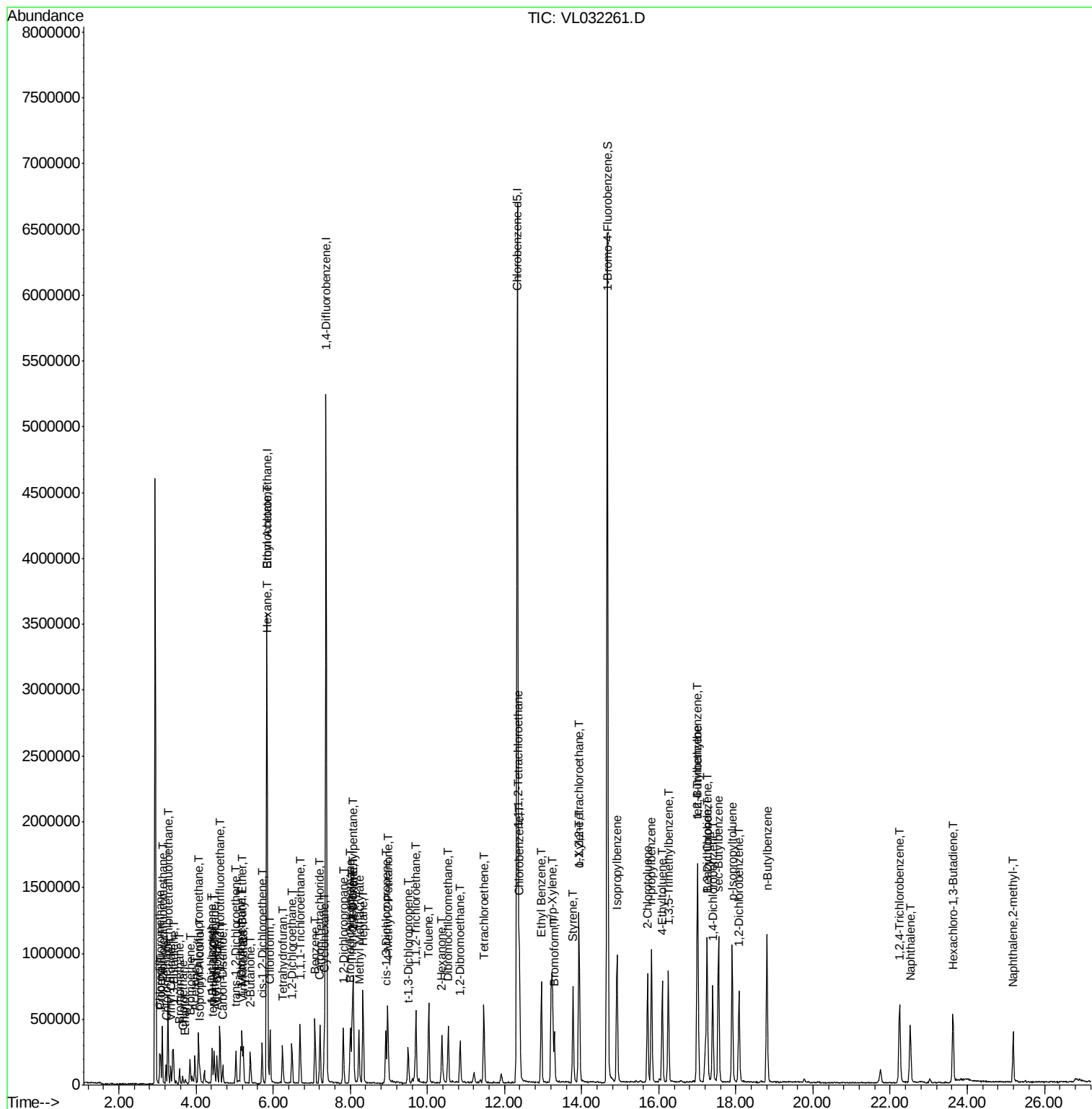
Quant Time: Jul 18 12:38:42 2018

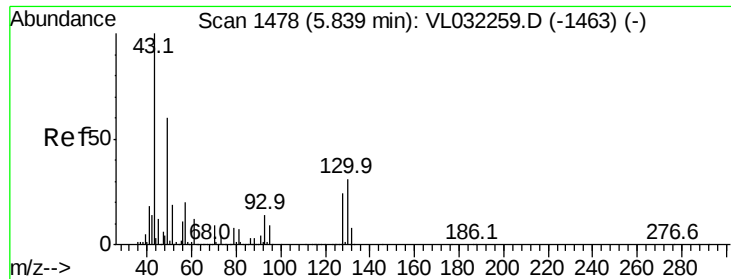
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL071818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jul 18 09:58:24 2018

QLast Update : Wed Jul 18 09:58:24 2018

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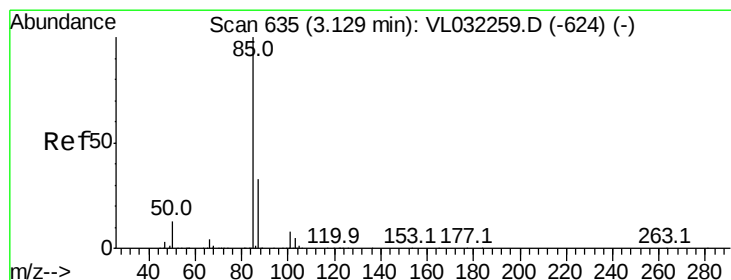
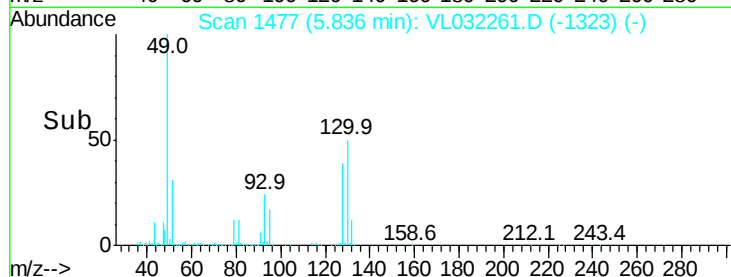
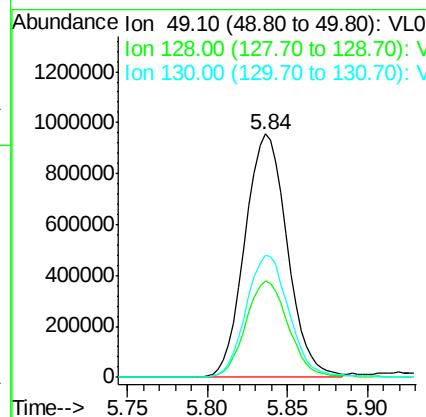
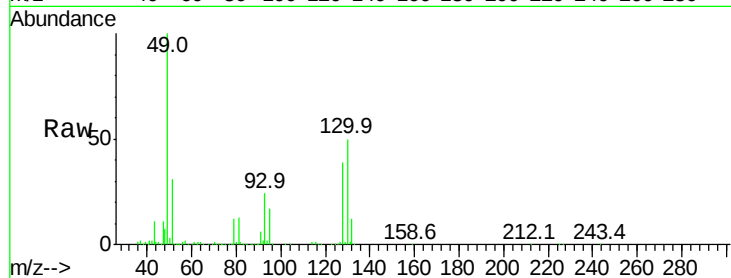




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

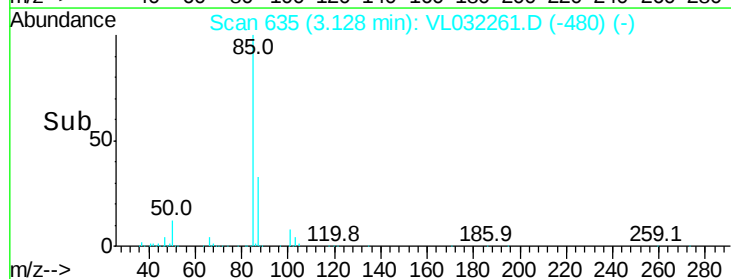
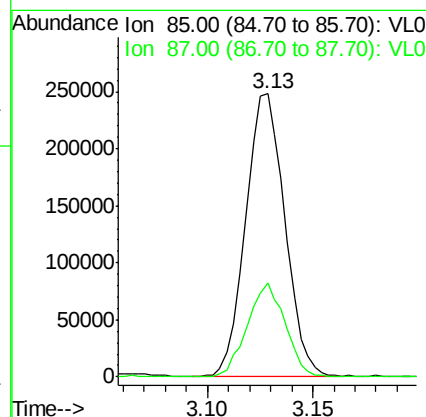
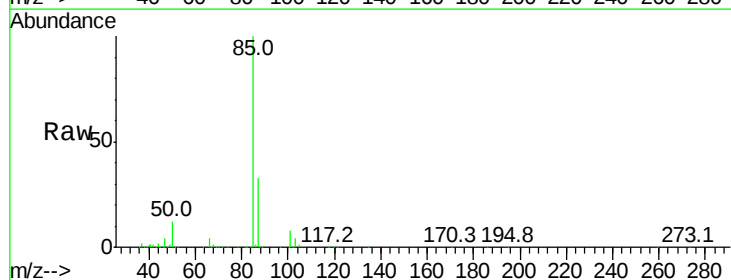
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

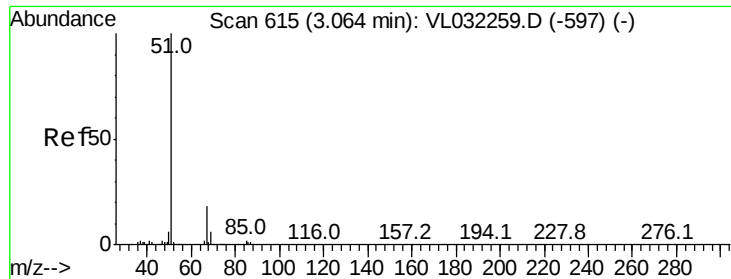
Tgt Ion: 49 Resp: 1730067
 Ion Ratio Lower Upper
 49 100
 128 40.4 20.1 60.2
 130 51.5 25.9 77.6



#2
 Dichlorodifluoromethane
 Concen: 1.285 ppbv
 RT: 3.13 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 85 Resp: 319972
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.955 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

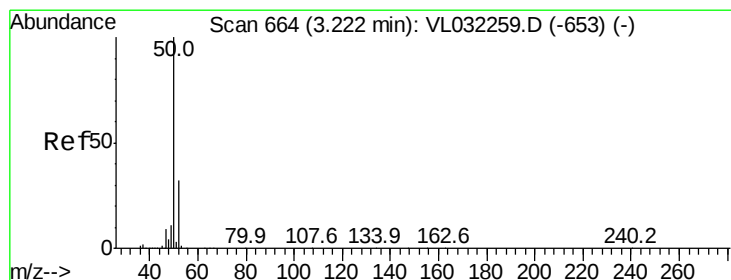
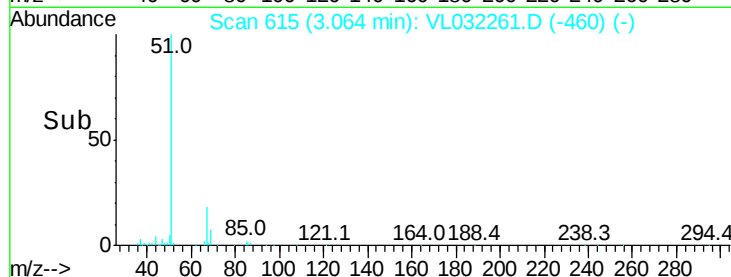
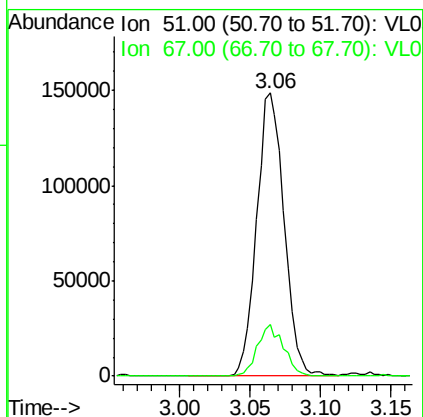
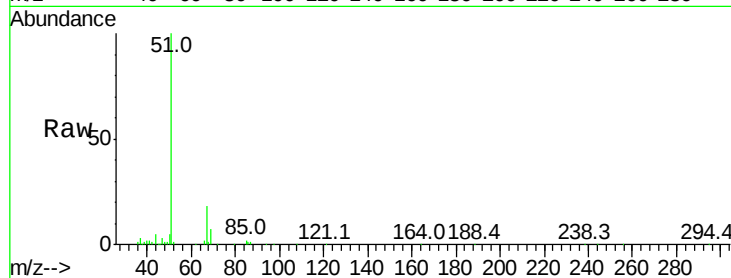
VSTDIC001

Tgt Ion: 51 Resp: 202986

Ion Ratio Lower Upper

51 100

67 17.1 14.2 21.4



#4

Chloromethane

Concen: 0.992 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032261.D

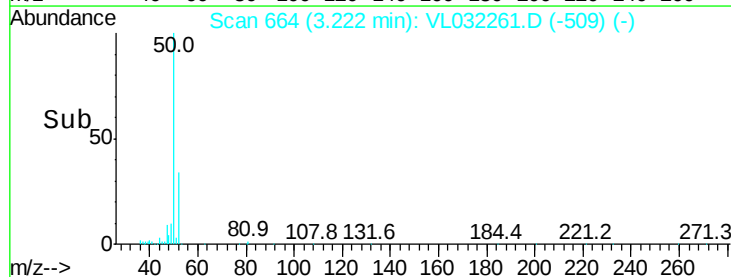
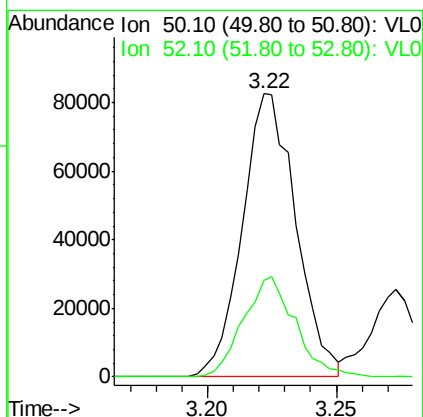
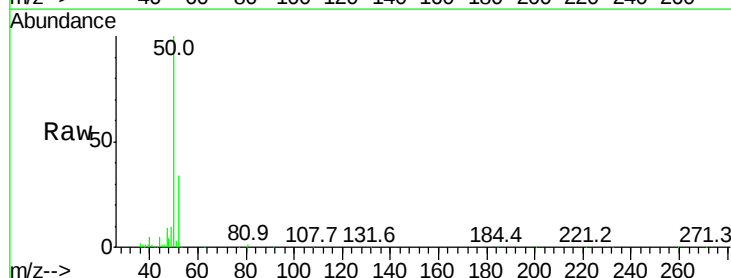
Acq: 18 Jul 2018 10:38

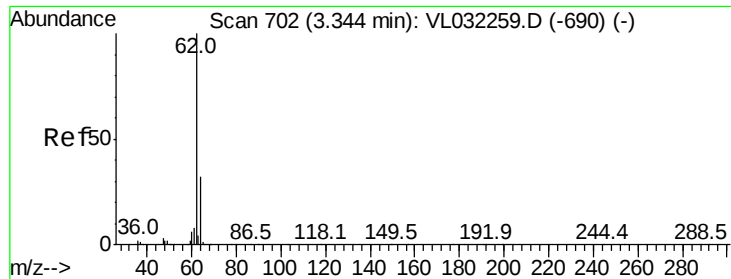
Tgt Ion: 50 Resp: 119926

Ion Ratio Lower Upper

50 100

52 33.7 25.3 37.9





#5

Vinyl Chloride

Concen: 0.917 ppbv

RT: 3.35 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

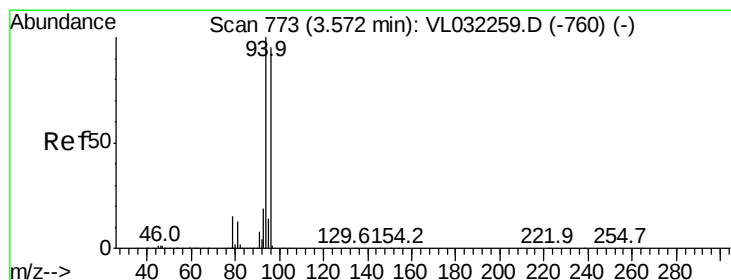
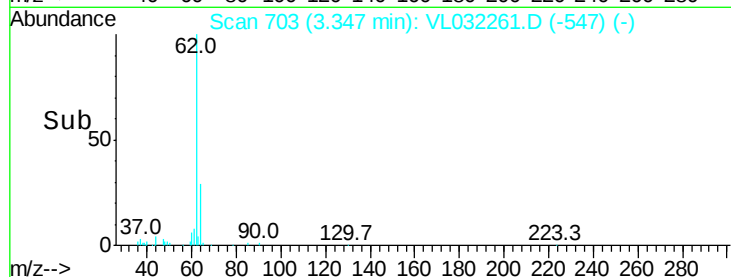
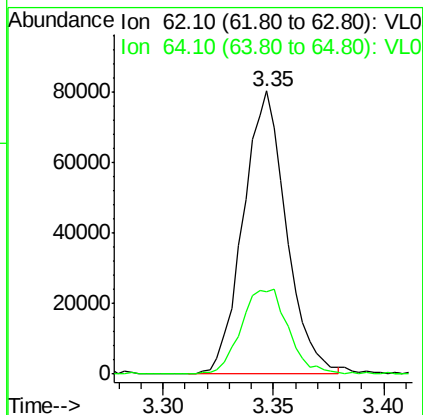
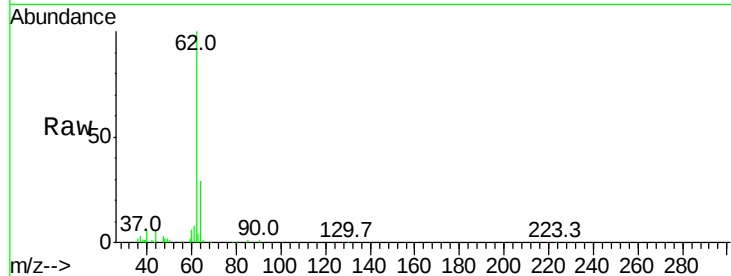
VSTDIC001

Tgt Ion: 62 Resp: 109291

Ion Ratio Lower Upper

62 100

64 29.3 25.3 37.9



#6

Bromomethane

Concen: 0.912 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032261.D

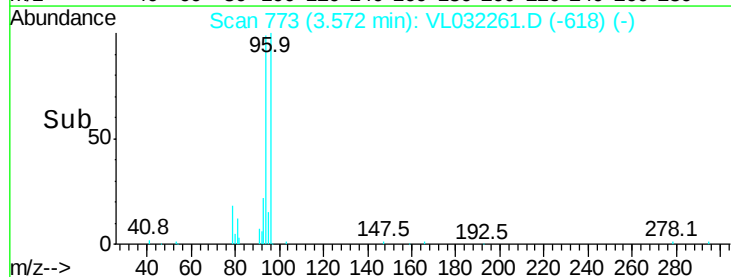
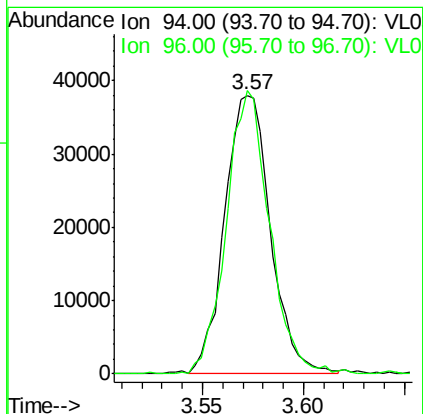
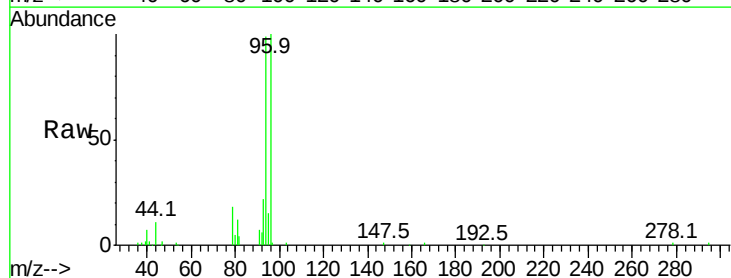
Acq: 18 Jul 2018 10:38

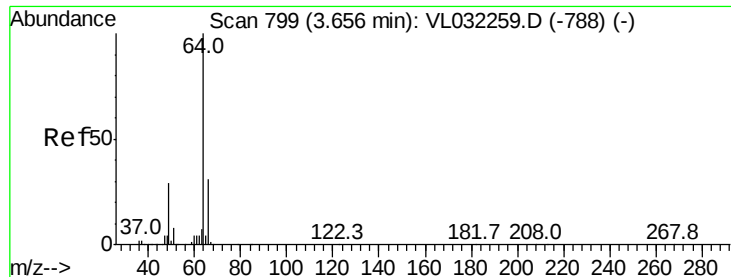
Tgt Ion: 94 Resp: 60470

Ion Ratio Lower Upper

94 100

96 101.5 76.1 114.1





#7

Chloroethane

Concen: 0.960 ppbv

RT: 3.66 min Scan# 801

Delta R.T. 0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

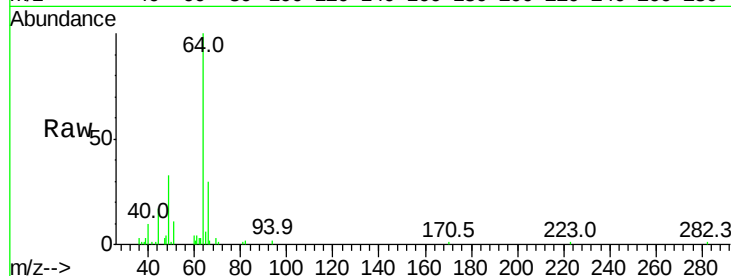
VSTDIC001

Tgt Ion: 64 Resp: 39376

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.66

30000

25000

20000

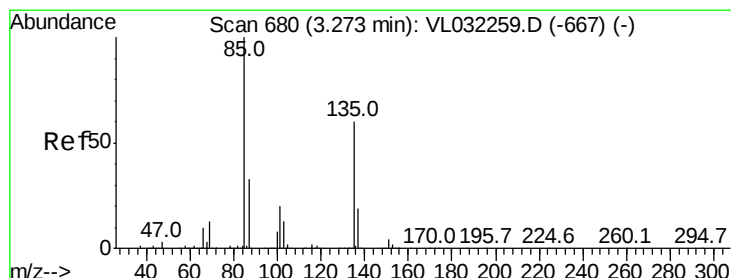
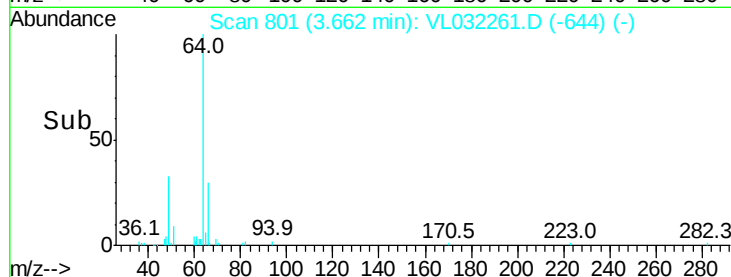
15000

10000

5000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.985 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032261.D

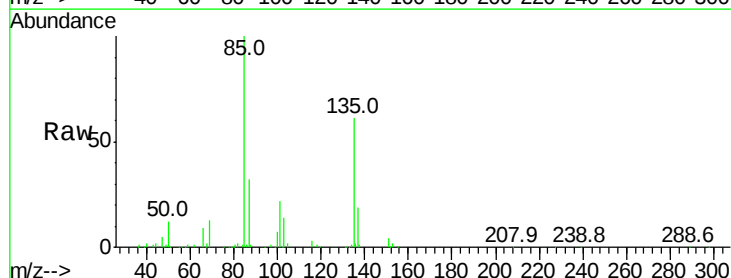
Acq: 18 Jul 2018 10:38

Tgt Ion: 85 Resp: 269424

Ion Ratio Lower Upper

85 100

135 57.3 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.27

200000

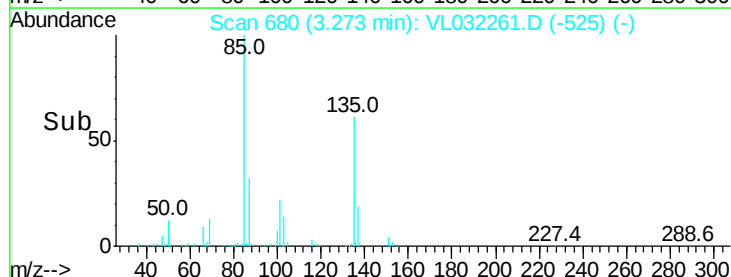
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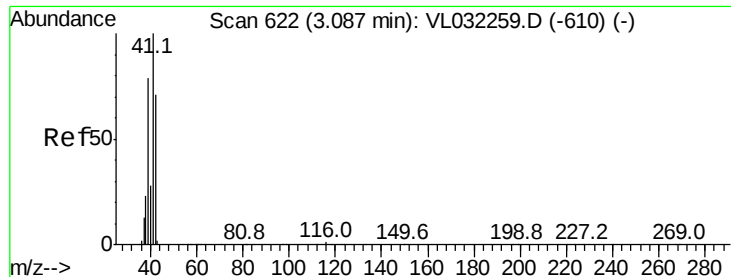
100000

50000

0

Time-->





#9

Propene

Concen: 0.920 ppbv

RT: 3.09 min Scan# 623

Delta R.T. 0.00 min

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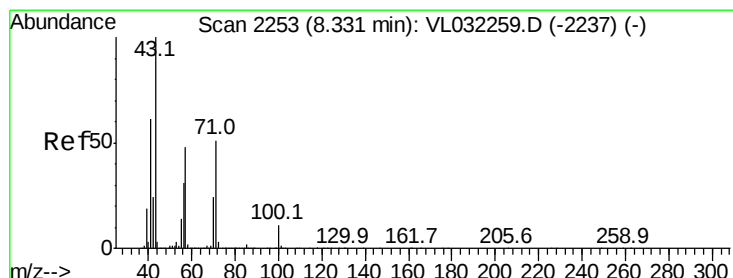
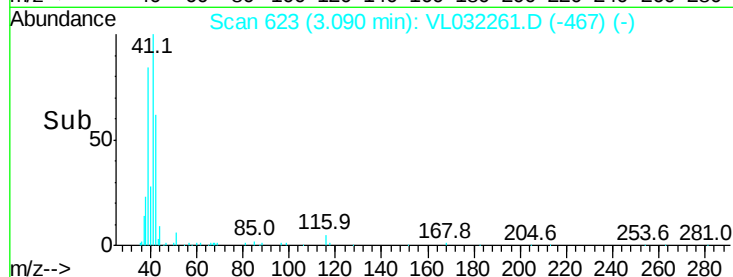
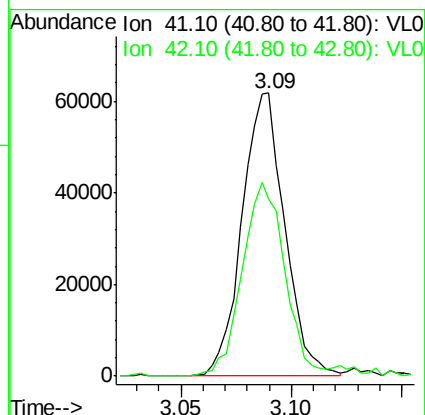
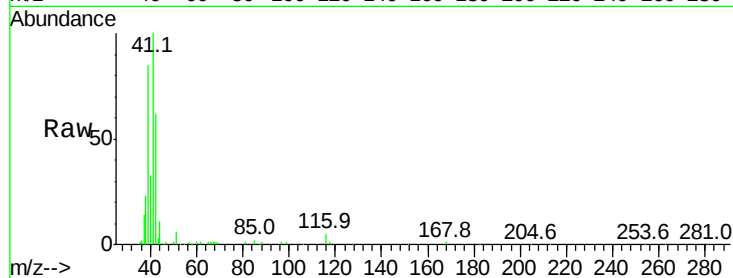
VSTDIC001

Tgt Ion: 41 Resp: 83379

Ion Ratio Lower Upper

41 100

42 71.3 56.2 84.4



#10

Heptane

Concen: 1.159 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032261.D

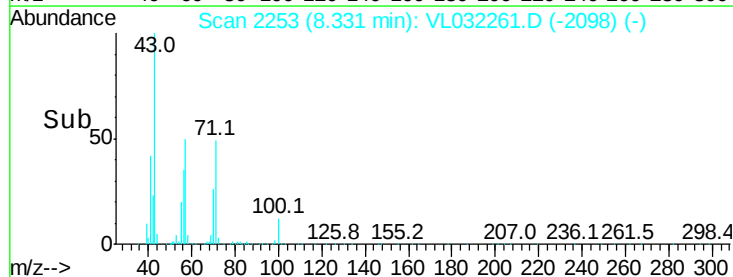
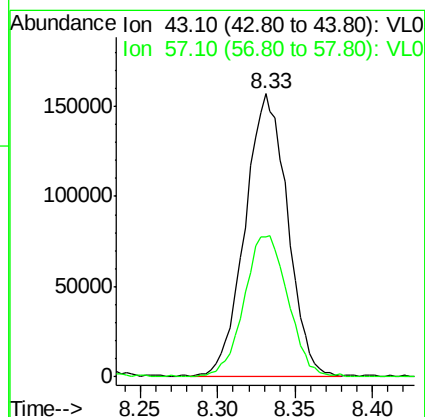
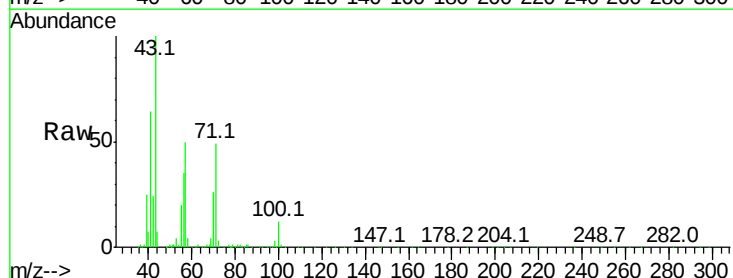
Acq: 18 Jul 2018 10:38

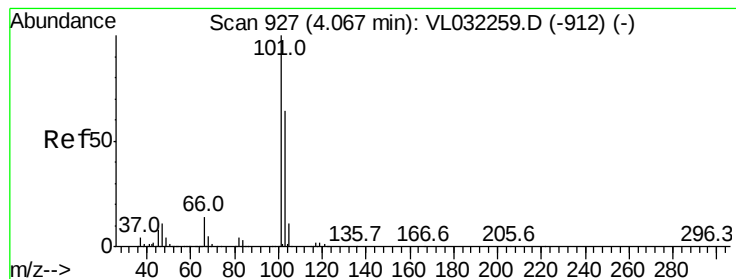
Tgt Ion: 43 Resp: 298310

Ion Ratio Lower Upper

43 100

57 51.7 39.9 59.9





#11

Trichlorofluoromethane

Concen: 1.062 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

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ClientSampleId :

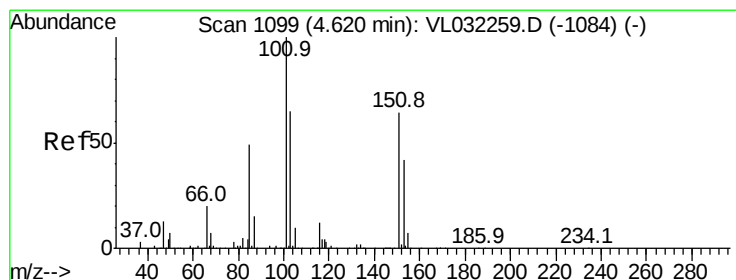
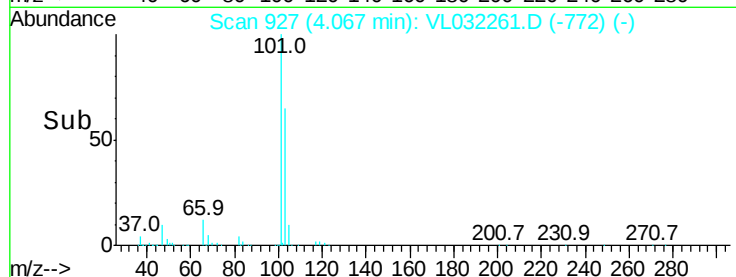
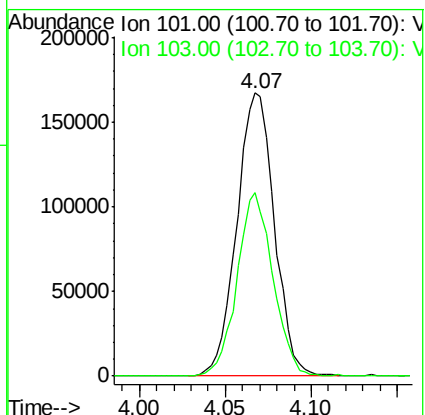
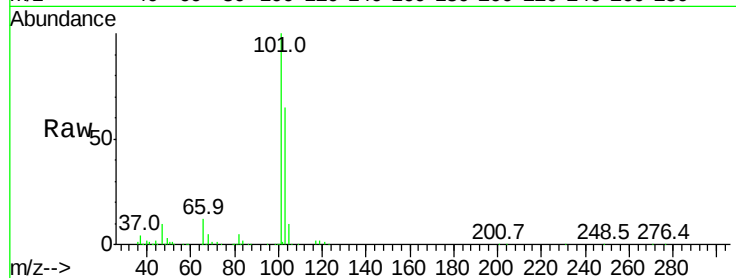
VSTDIC001

Tgt Ion:101 Resp: 253074

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.045 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032261.D

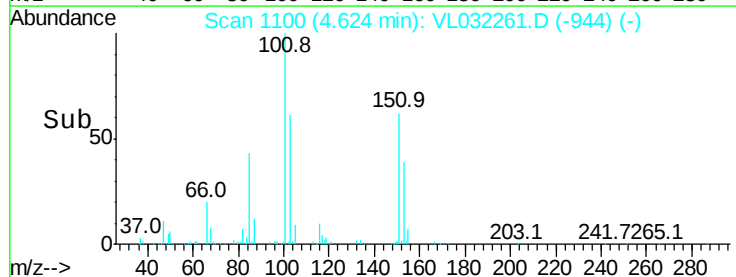
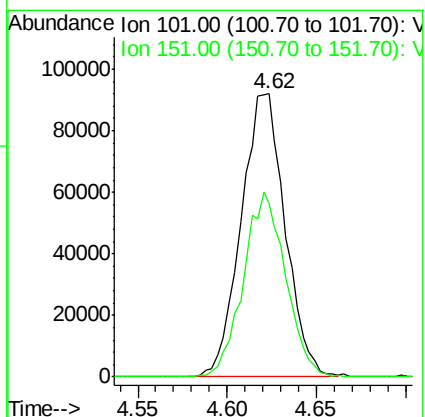
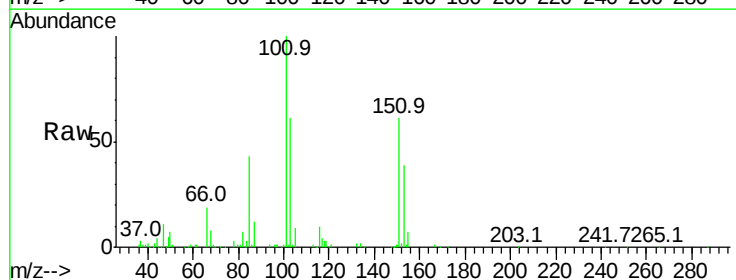
Acq: 18 Jul 2018 10:38

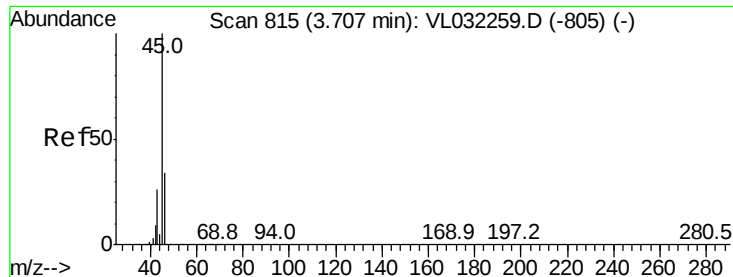
Tgt Ion:101 Resp: 158992

Ion Ratio Lower Upper

101 100

151 62.5 51.3 76.9





#13

Ethanol

Concen: 1.071 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

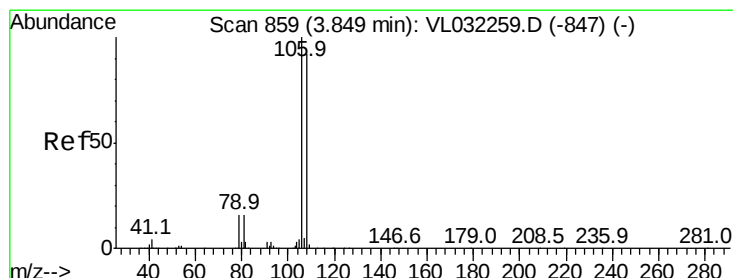
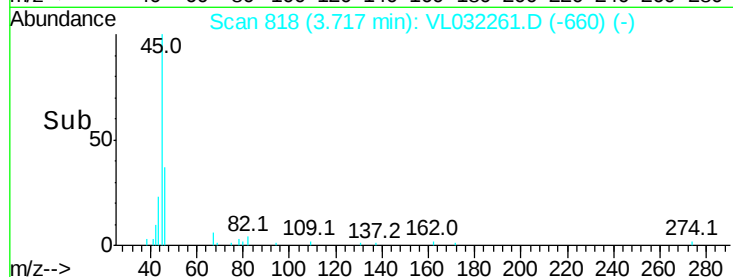
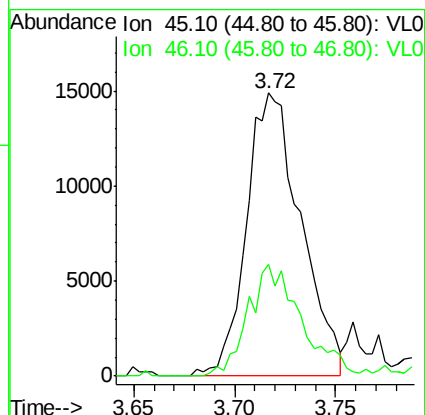
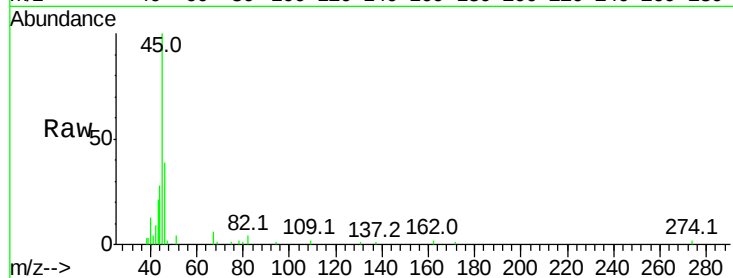
VSTDIC001

Tgt Ion: 45 Resp: 28025

Ion Ratio Lower Upper

45 100

46 41.8 15.2 60.8



#14

Bromoethene

Concen: 0.951 ppbv

RT: 3.85 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

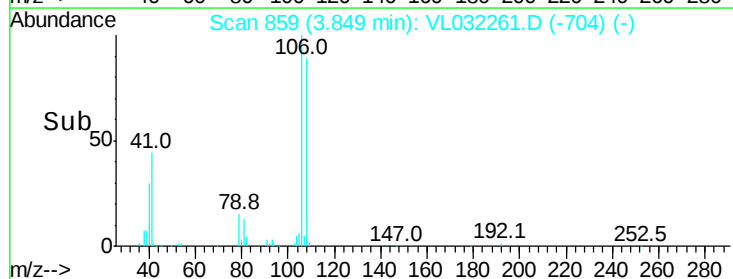
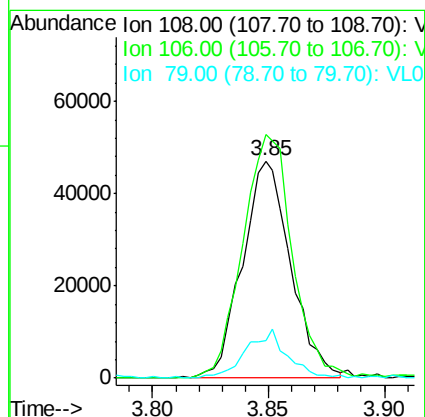
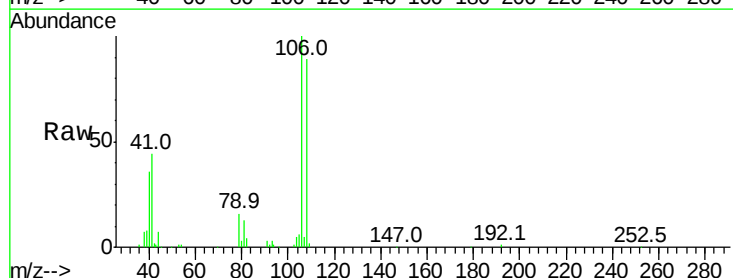
Tgt Ion: 108 Resp: 68301

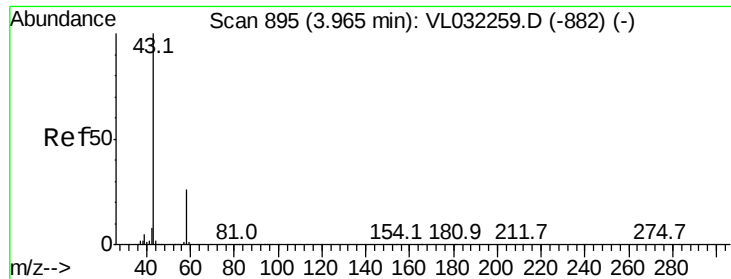
Ion Ratio Lower Upper

108 100

106 116.8 86.2 129.4

79 20.2 14.0 21.0





#15

Acetone

Concen: 0.959 ppbv

RT: 3.97 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

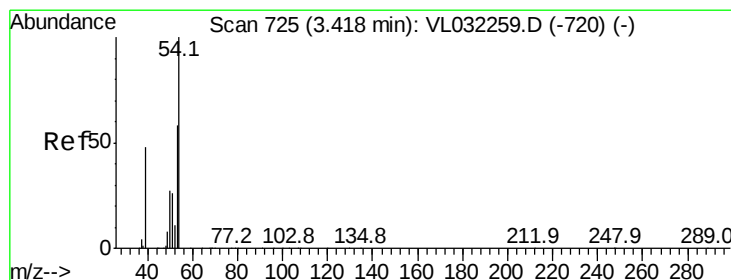
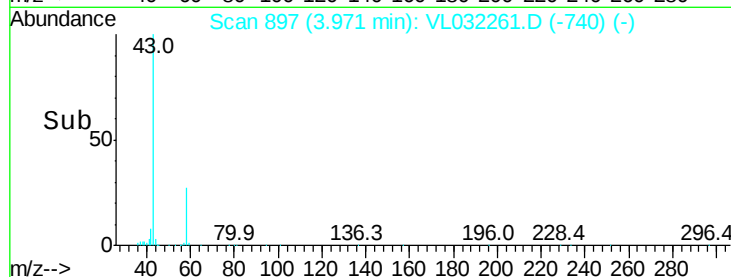
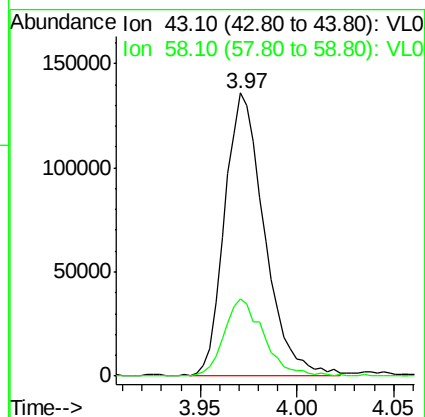
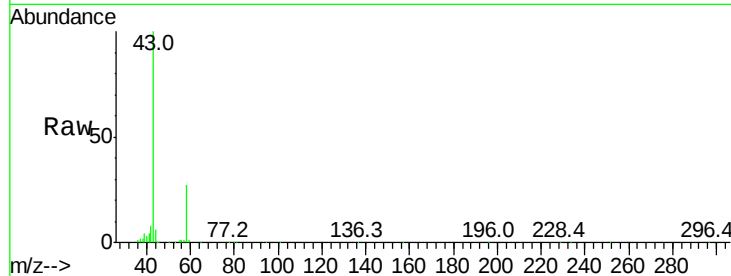
VSTDIC001

Tgt Ion: 43 Resp: 192610

Ion Ratio Lower Upper

43 100

58 27.9 21.8 32.6



#16

1,3-Butadiene

Concen: 0.897 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032261.D

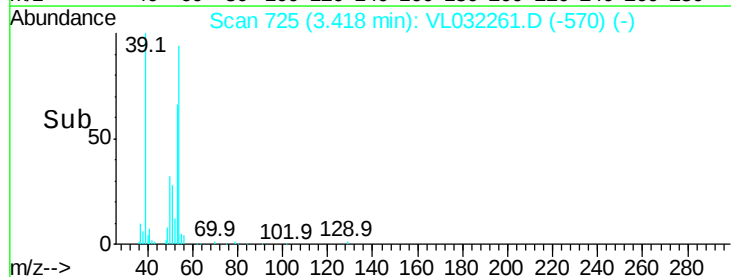
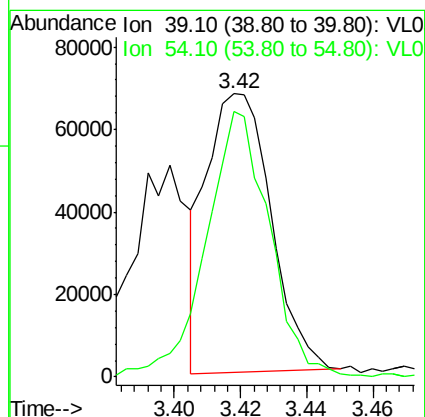
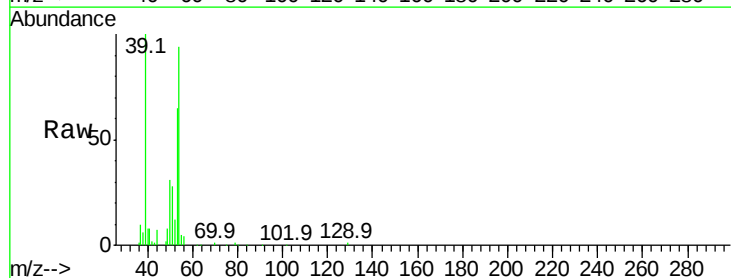
Acq: 18 Jul 2018 10:38

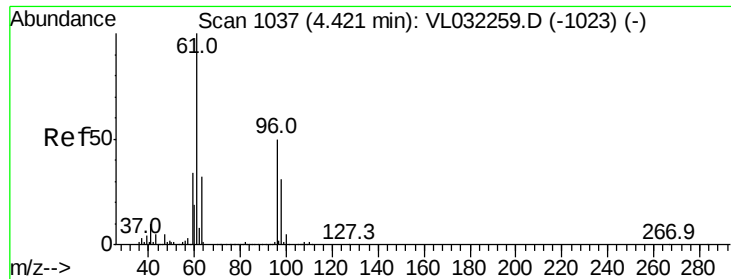
Tgt Ion: 39 Resp: 90948

Ion Ratio Lower Upper

39 100

54 94.8 70.6 105.8





#17

tert-Butyl alcohol

Concen: 0.322 ppbv

RT: 4.44 min Scan# 1043

Delta R.T. 0.02 min

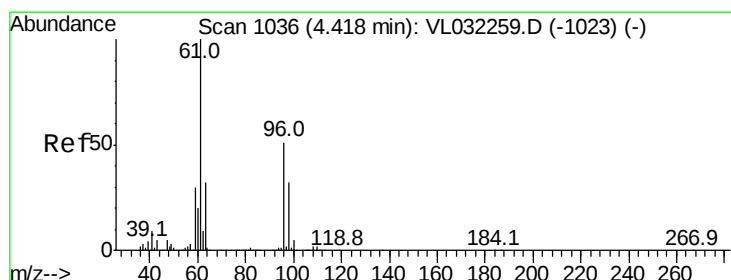
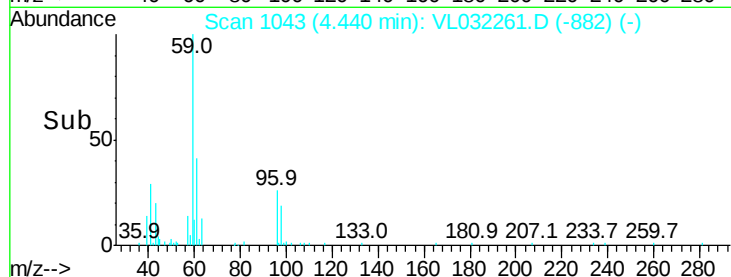
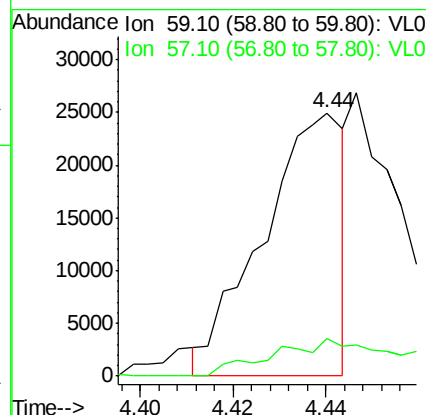
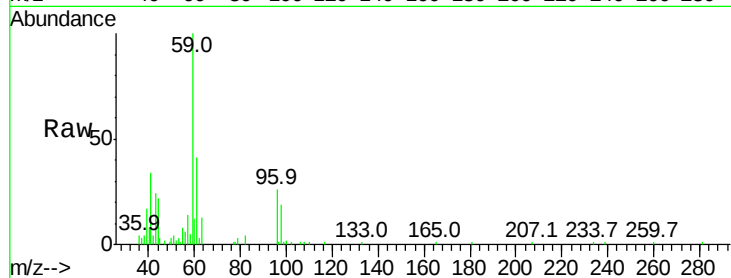
Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 30213

Ion	Ratio	Lower	Upper
59	100		
57	24.8	8.2	12.4#



#18

1,1-Dichloroethene

Concen: 0.982 ppbv

RT: 4.42 min Scan# 1036

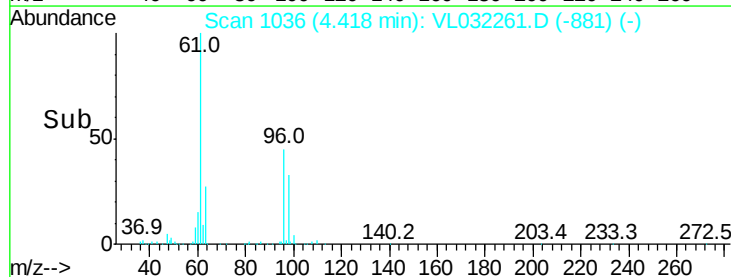
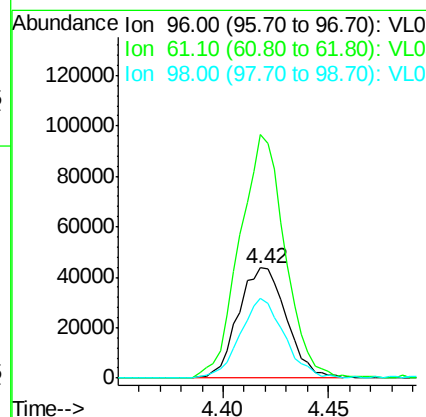
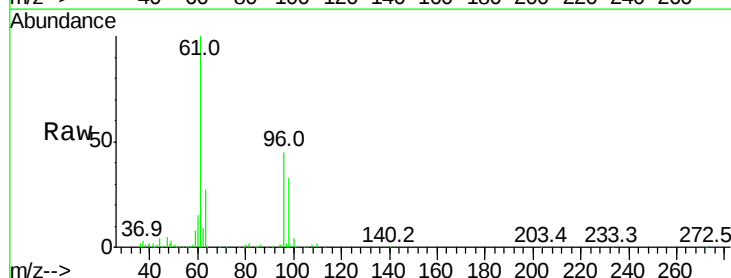
Delta R.T. -0.00 min

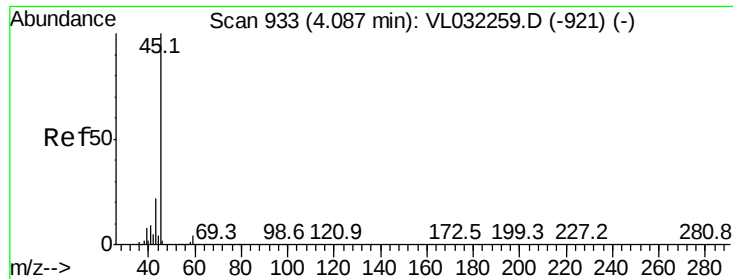
Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Tgt Ion: 96 Resp: 69548

Ion	Ratio	Lower	Upper
96	100		
61	221.4	157.2	235.8
98	72.6	50.1	75.1





#19

Isopropyl Alcohol

Concen: 1.013 ppbv

RT: 4.10 min Scan# 936

Delta R.T. 0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

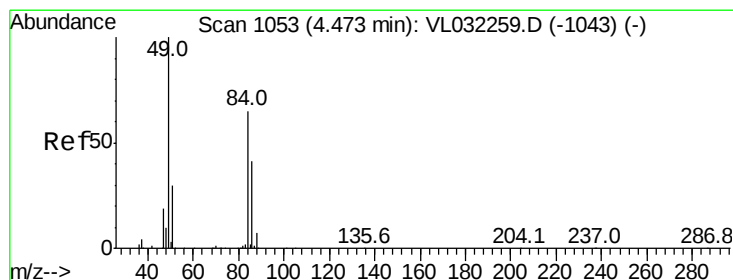
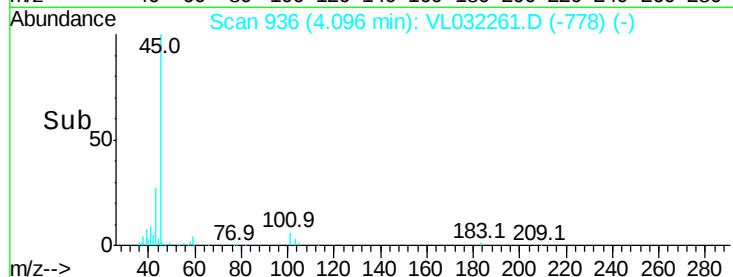
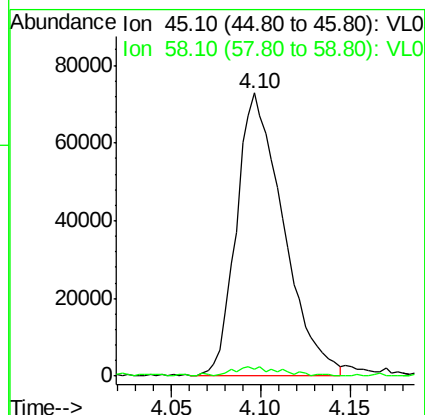
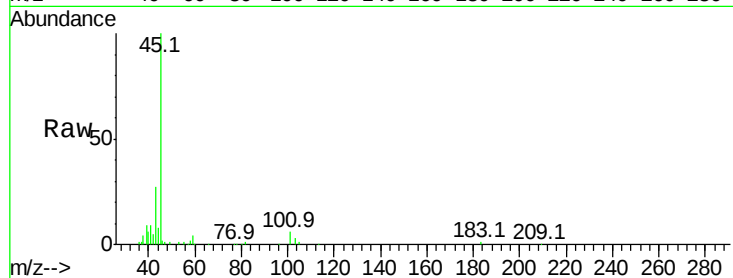
VSTDIC001

Tgt Ion: 45 Resp: 133554

Ion Ratio Lower Upper

45 100

58 4.2 1.5 2.3#



#20

Methylene Chloride

Concen: 1.122 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Tgt Ion: 84 Resp: 76305

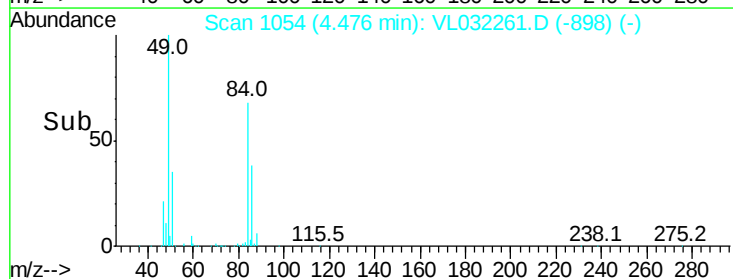
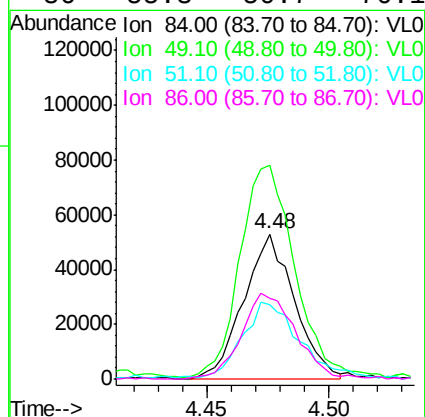
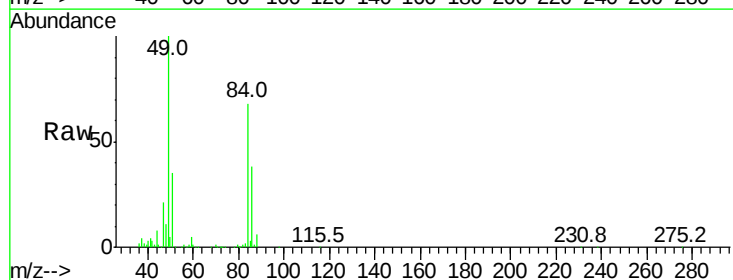
Ion Ratio Lower Upper

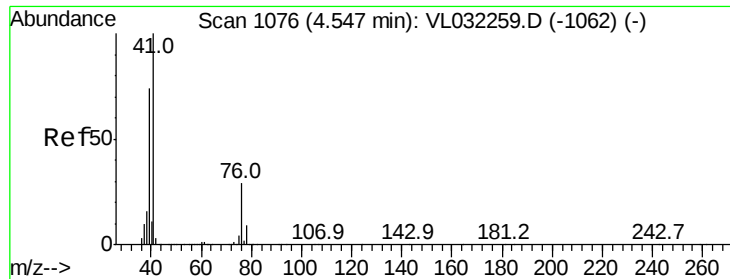
84 100

49 145.2 122.4 183.6

51 50.0 36.8 55.2

86 55.3 50.7 76.1

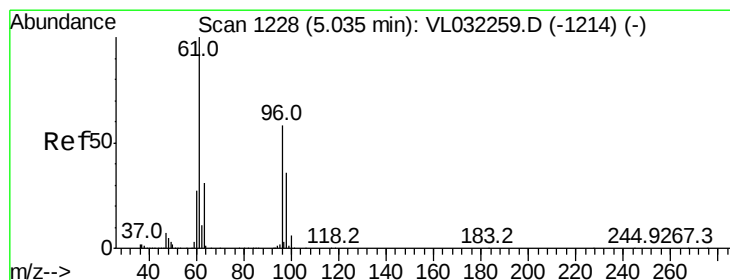
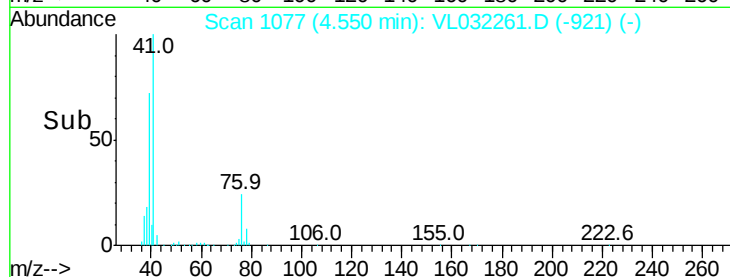
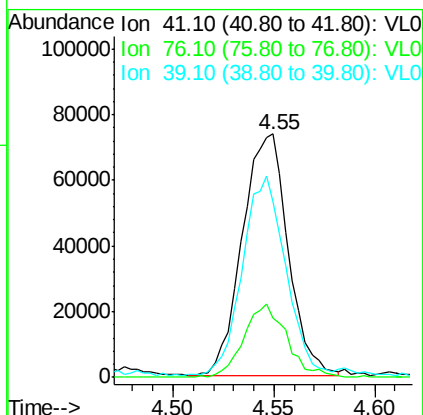
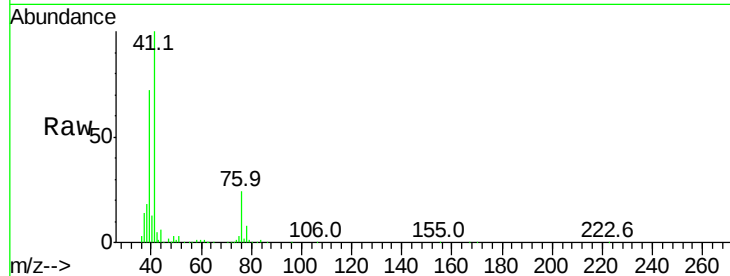




#21
 Allyl Chloride
 Concen: 1.001 ppbv
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

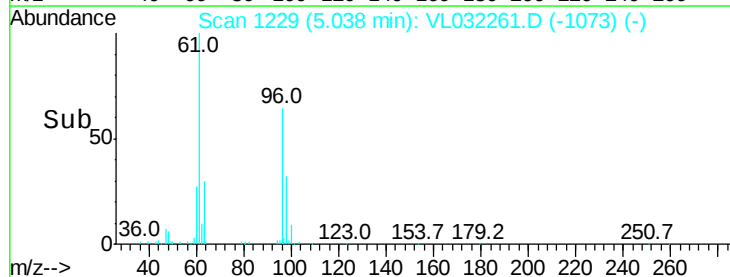
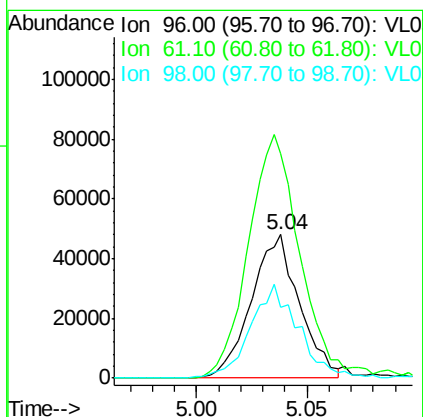
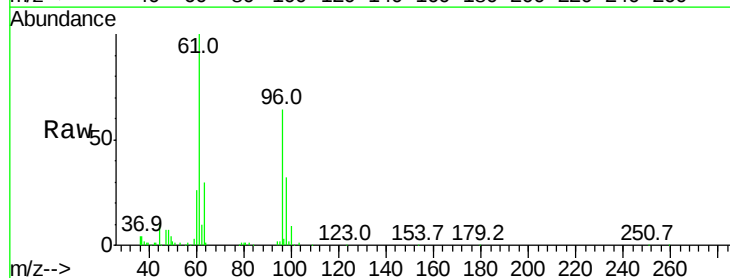
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

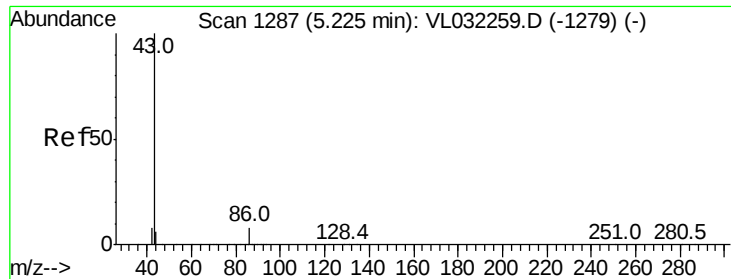
Tgt Ion: 41 Resp: 117643
 Ion Ratio Lower Upper
 41 100
 76 28.6 23.0 34.6
 39 82.2 60.2 90.4



#22
 trans-1,2-Dichloroethene
 Concen: 1.079 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 96 Resp: 72776
 Ion Ratio Lower Upper
 96 100
 61 155.9 137.4 206.0
 98 49.5 49.6 74.4#

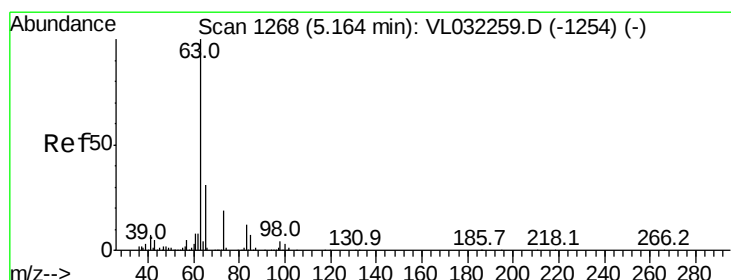
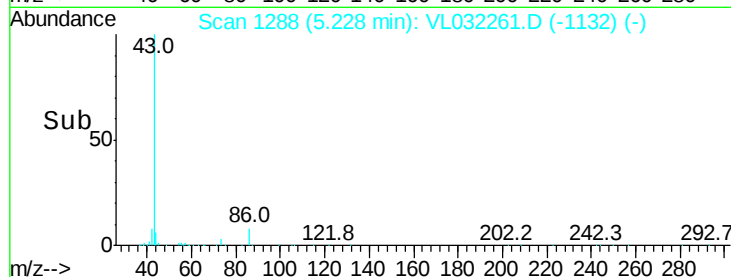
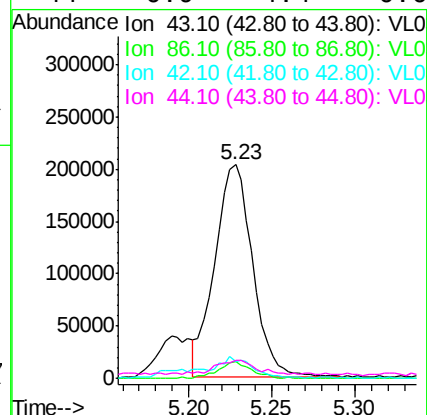
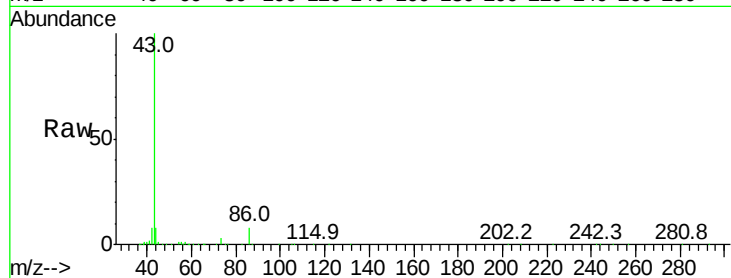




#23
 Vinyl Acetate
 Concen: 0.969 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

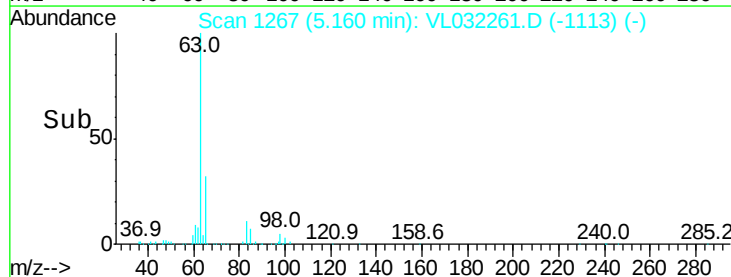
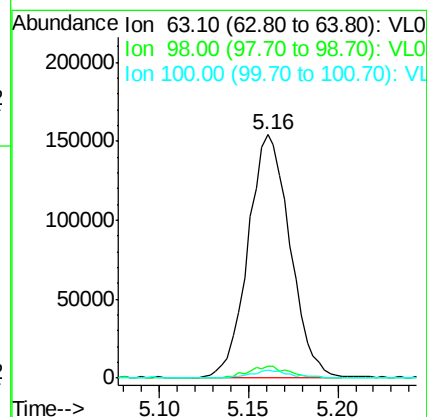
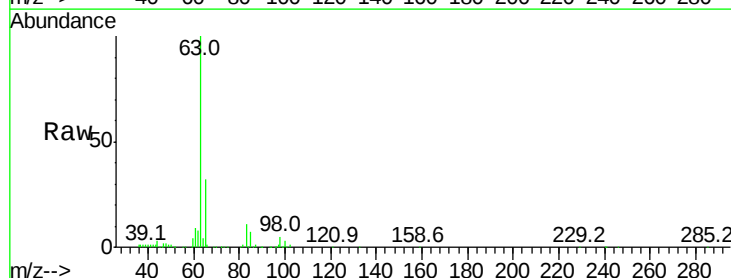
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

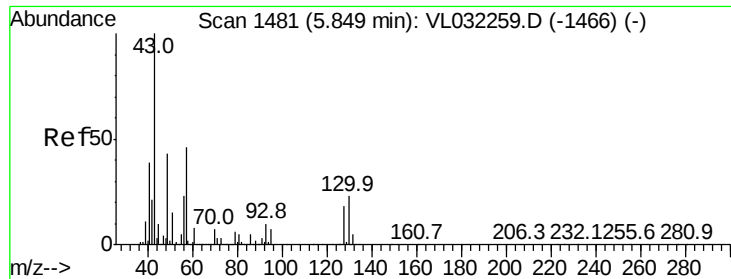
Tgt Ion:	43	Resp:	323459
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	7.6	7.3	10.9
44	6.9	4.4	6.6#



#24
 1,1-Dichloroethane
 Concen: 1.079 ppbv
 RT: 5.16 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion:	63	Resp:	252995
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.1	6.3
100	3.4	1.3	3.9

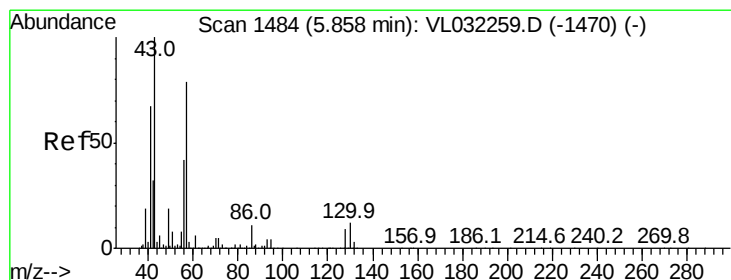
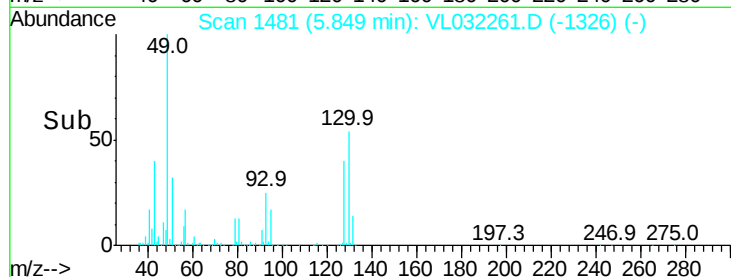
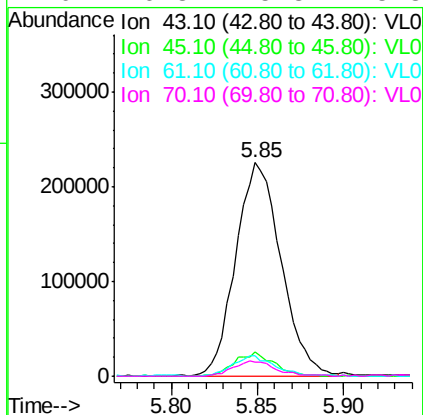
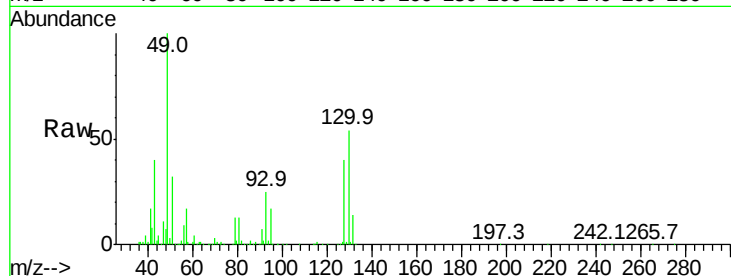




#25
 Ethyl Acetate
 Concen: 1.031 ppbv
 RT: 5.85 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

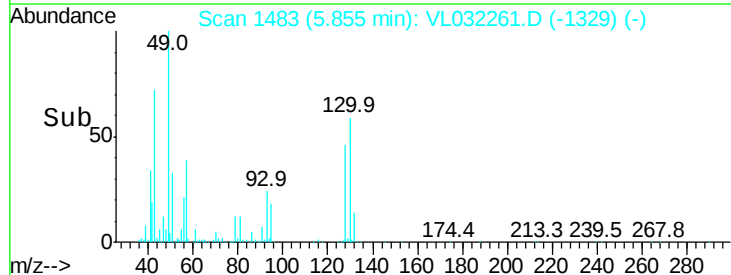
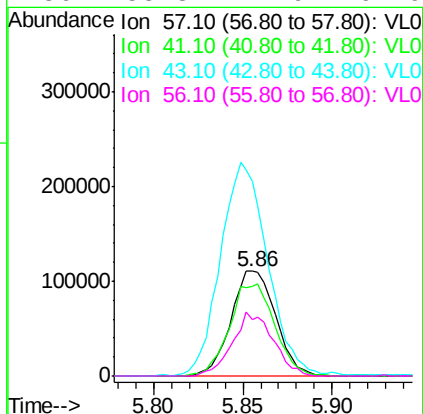
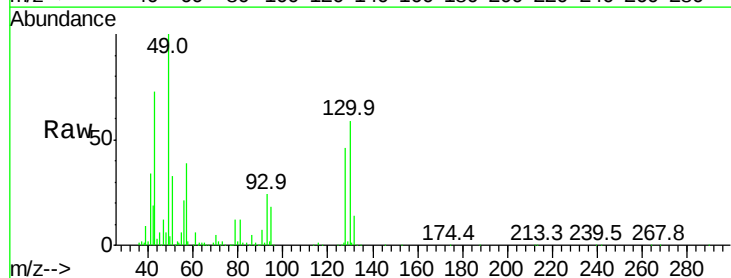
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

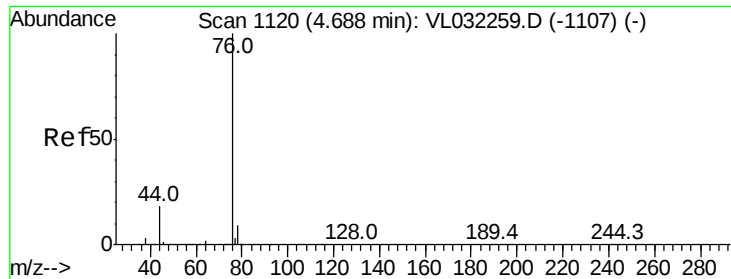
Tgt Ion:	43	Resp:	409693
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	9.4	7.6	11.4
70	6.8	5.8	8.8



#26
 Hexane
 Concen: 1.061 ppbv
 RT: 5.86 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion:	57	Resp:	192250
Ion	Ratio	Lower	Upper
57	100		
41	89.7	67.9	101.9
43	216.1	175.9	263.9
56	55.8	41.9	62.9





#27

Carbon Disulfide

Concen: 0.965 ppbv

RT: 4.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

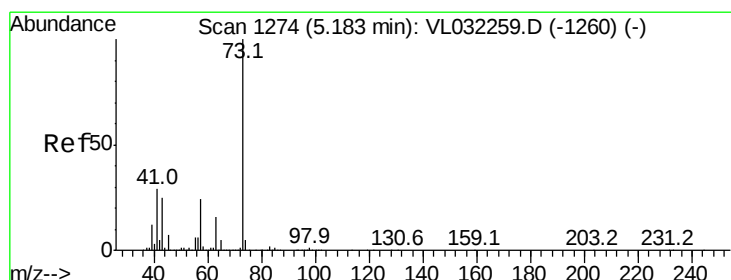
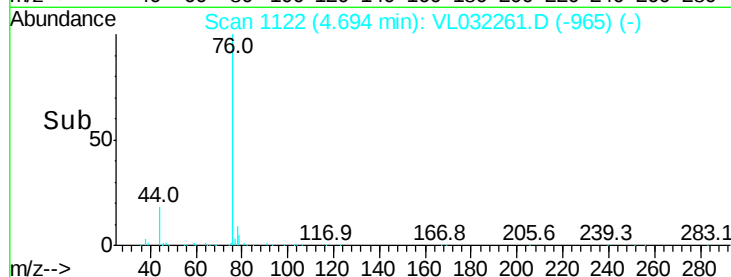
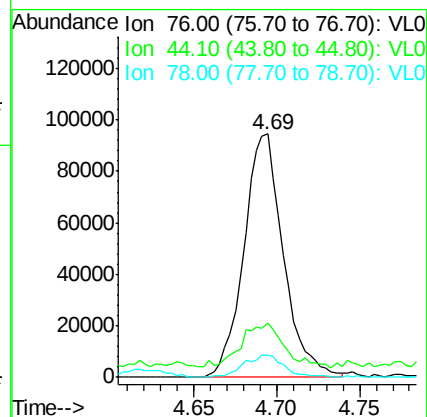
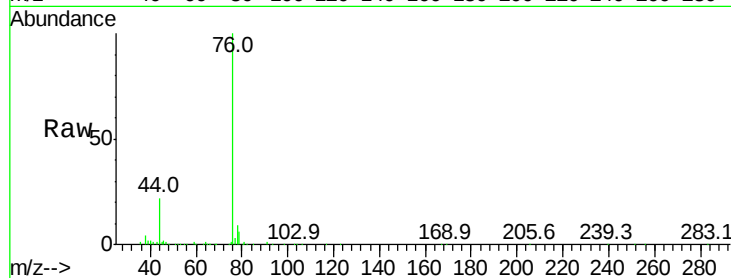
Tgt Ion: 76 Resp: 156490

Ion Ratio Lower Upper

76 100

44 25.1 14.3 21.5#

78 10.0 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 0.970 ppbv

RT: 5.19 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VL032261.D

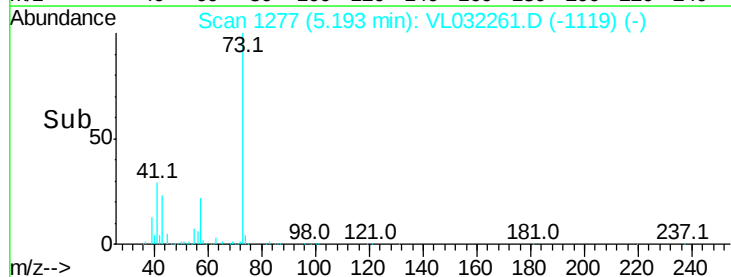
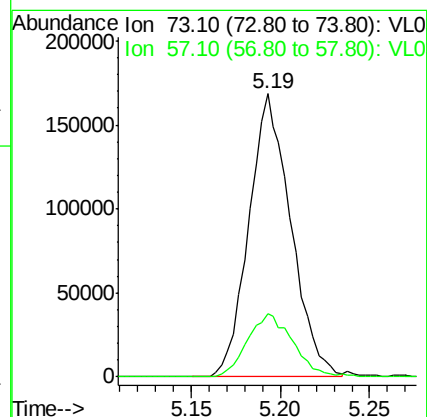
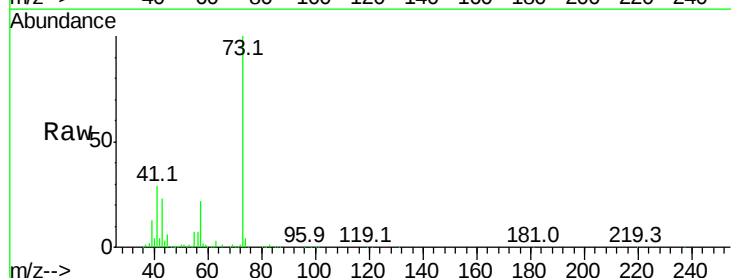
Acq: 18 Jul 2018 10:38

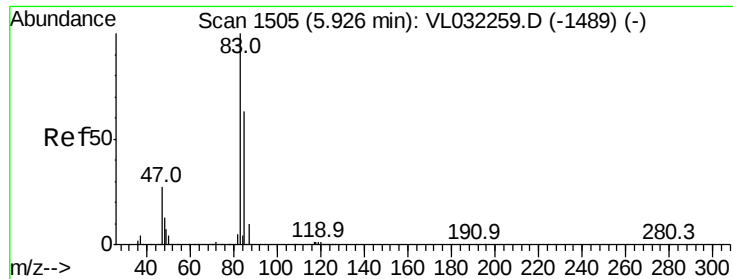
Tgt Ion: 73 Resp: 276599

Ion Ratio Lower Upper

73 100

57 24.4 19.3 28.9





#29

Chloroform

Concen: 1.000 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

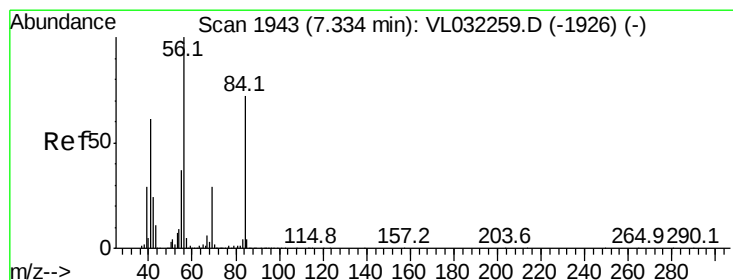
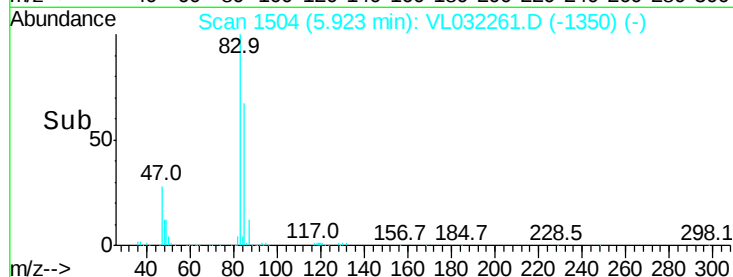
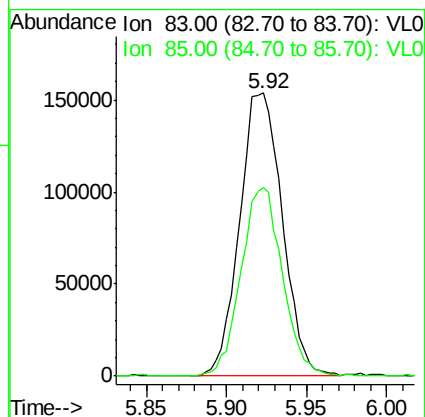
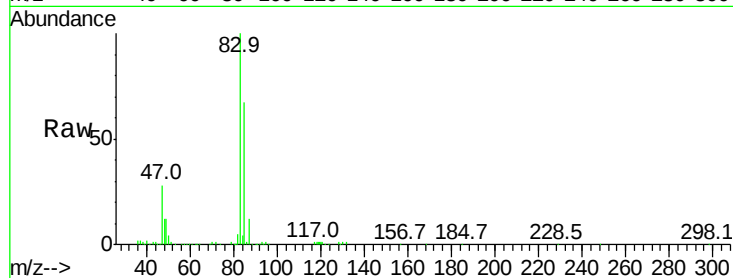
VSTDIC001

Tgt Ion: 83 Resp: 279863

Ion Ratio Lower Upper

83 100

85 66.4 50.7 76.1



#30

Cyclohexane

Concen: 0.463 ppbv

RT: 7.33 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

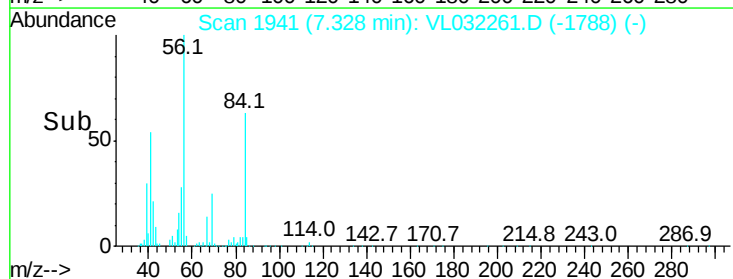
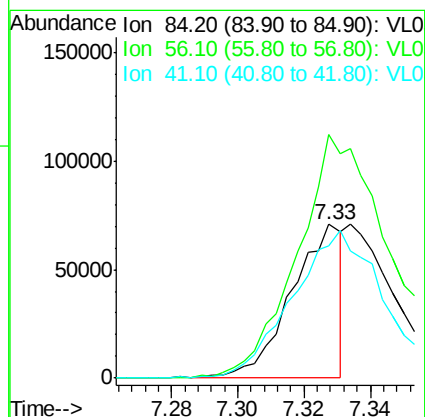
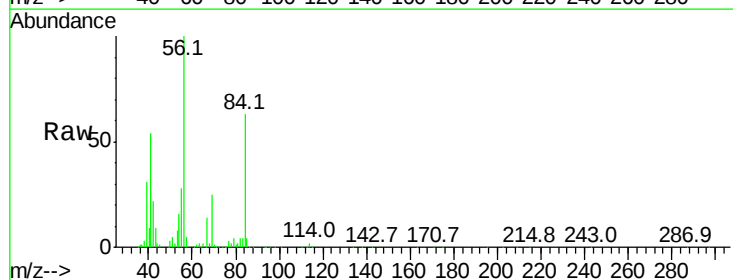
Tgt Ion: 84 Resp: 73971

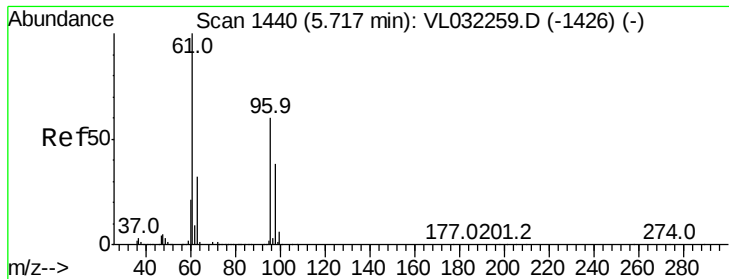
Ion Ratio Lower Upper

84 100

56 395.2 115.6 173.4#

41 0.0 68.7 103.1#

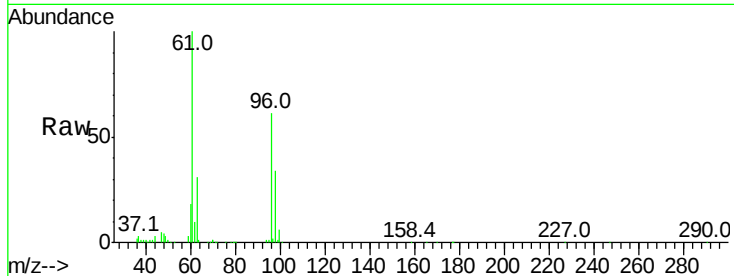




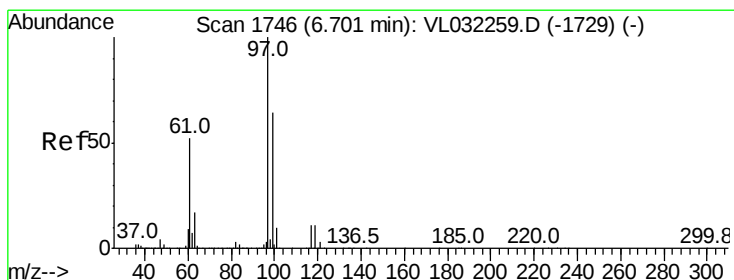
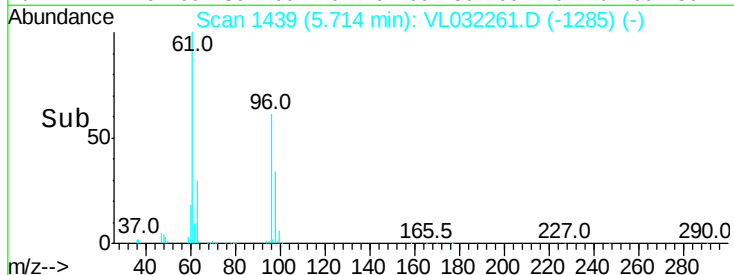
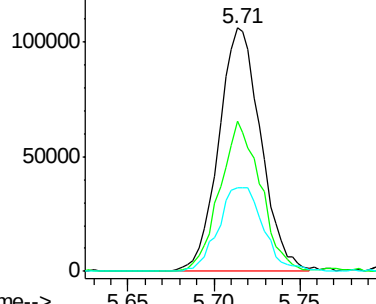
#31
 cis-1,2-Dichloroethene
 Concen: 0.999 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 61 Resp: 180720
 Ion Ratio Lower Upper
 61 100
 96 61.5 47.9 71.9
 98 34.1 30.5 45.7

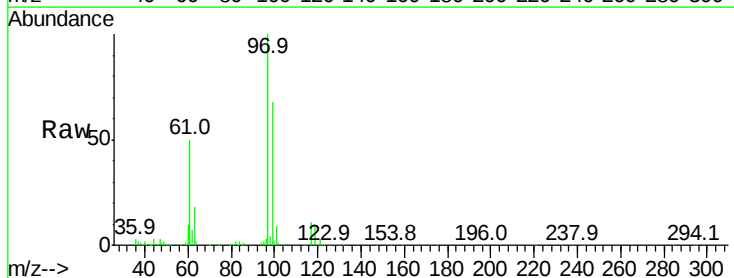


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

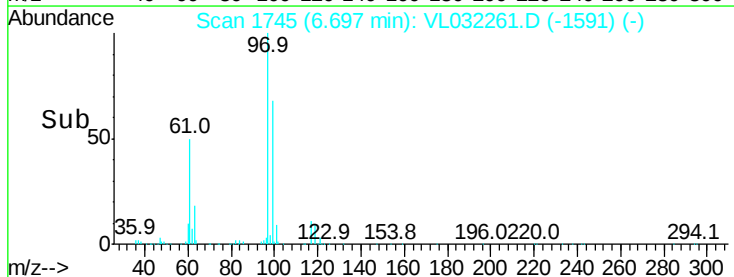
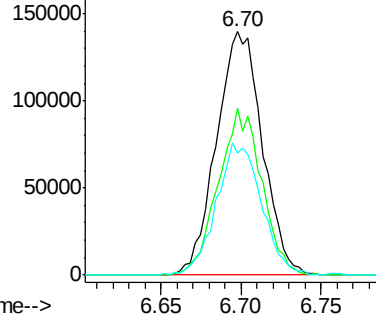


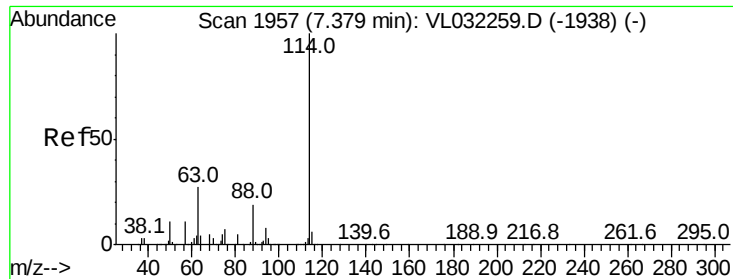
#32
 1,1,1-Trichloroethane
 Concen: 1.012 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 97 Resp: 274819
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.0 76.6
 61 53.2 41.2 61.8



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

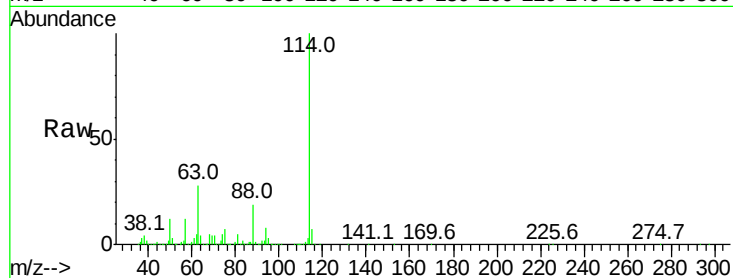




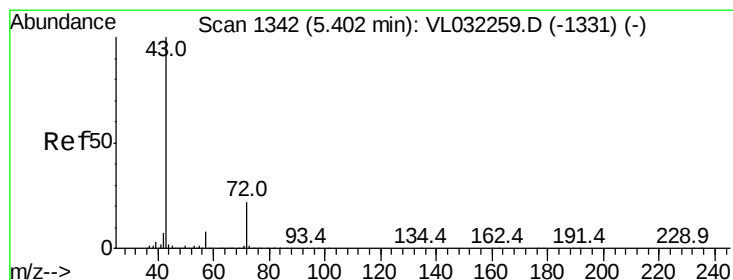
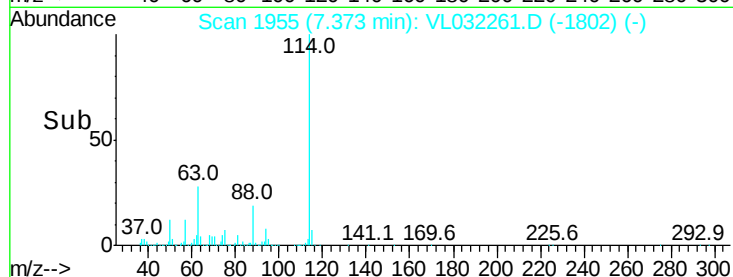
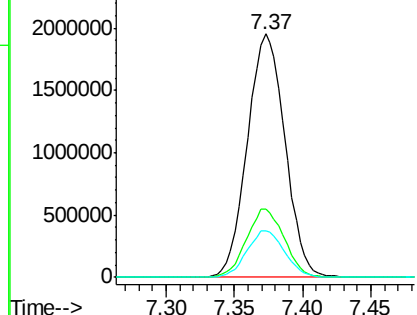
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:114 Resp: 3742970
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.6 33.8
 88 19.1 15.2 22.8

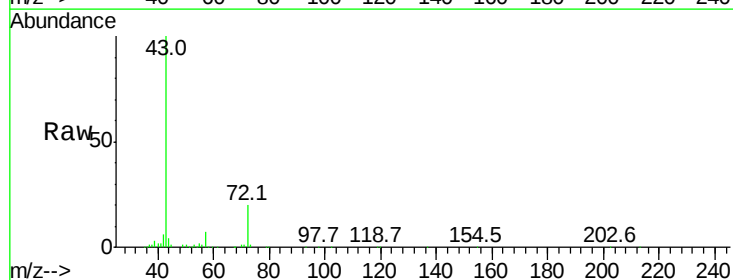


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

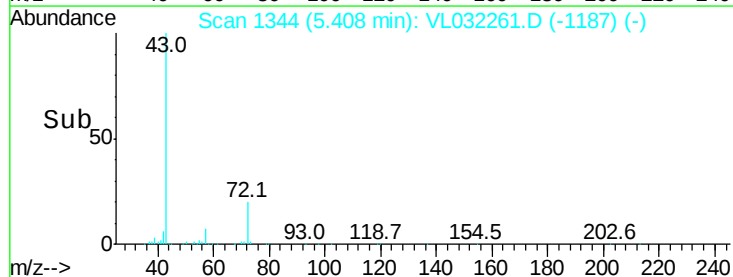
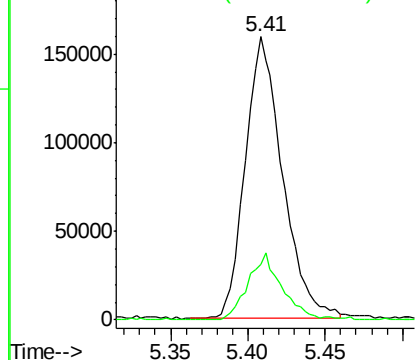


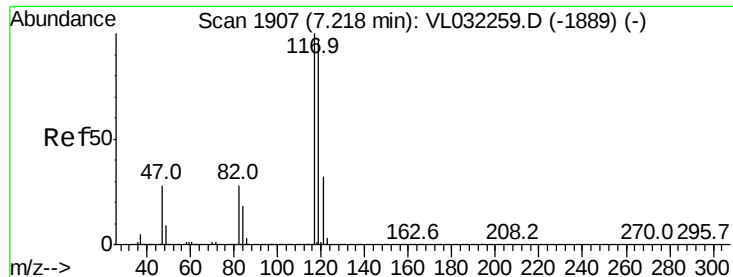
#34
 2-Butanone
 Concen: 1.046 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 43 Resp: 266637
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.066 ppbv

RT: 7.21 min Scan# 1905

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

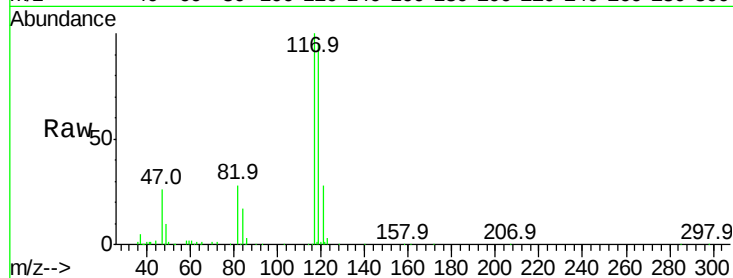
Tgt Ion: 117 Resp: 270037

Ion Ratio Lower Upper

117 100

119 94.9 77.4 116.0

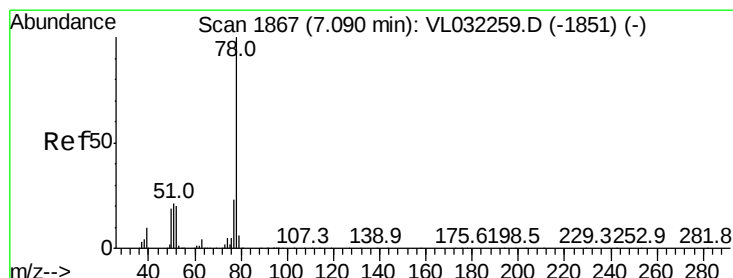
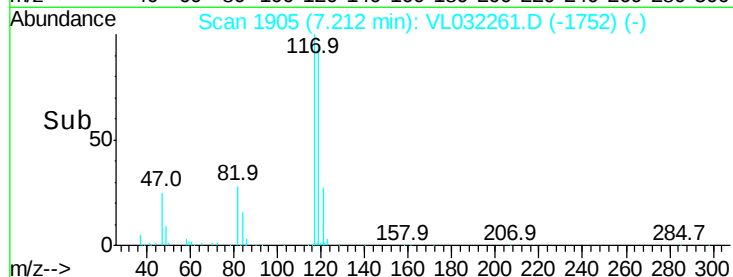
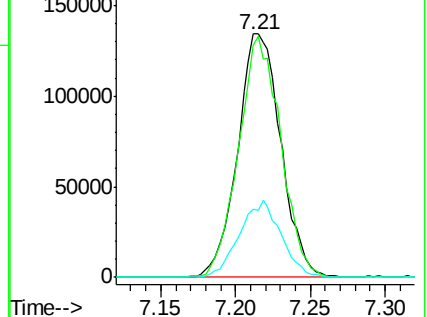
121 27.9 25.4 38.2



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: 1.040 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

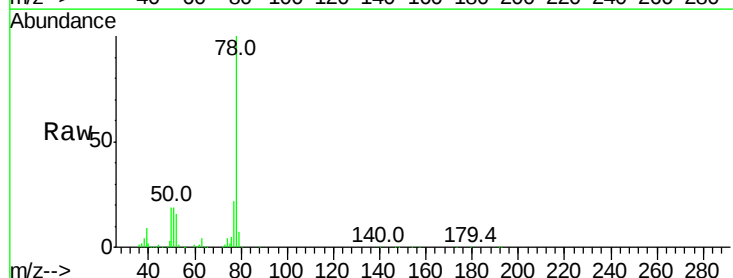
Tgt Ion: 78 Resp: 386966

Ion Ratio Lower Upper

78 100

77 22.3 18.6 27.8

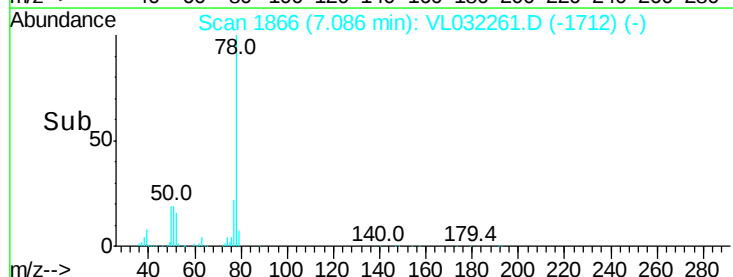
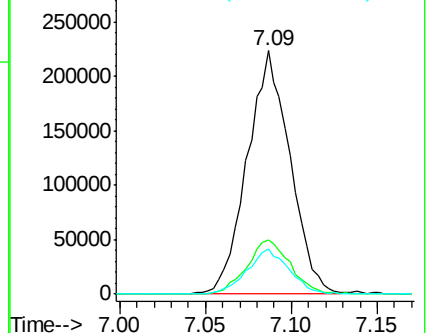
50 18.6 15.0 22.6

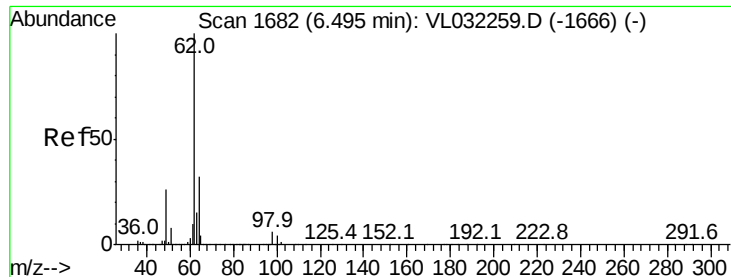


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

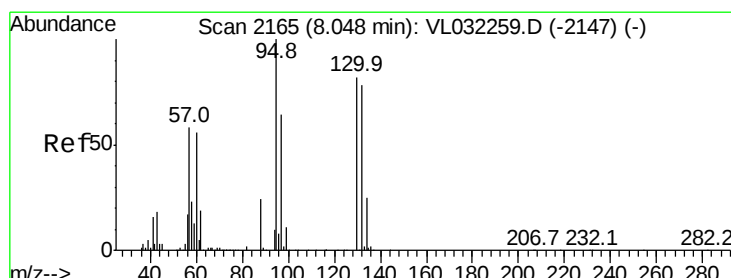
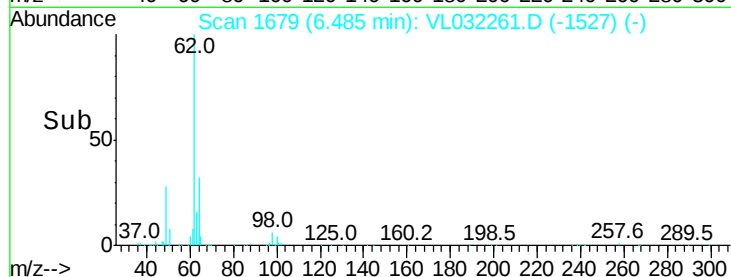
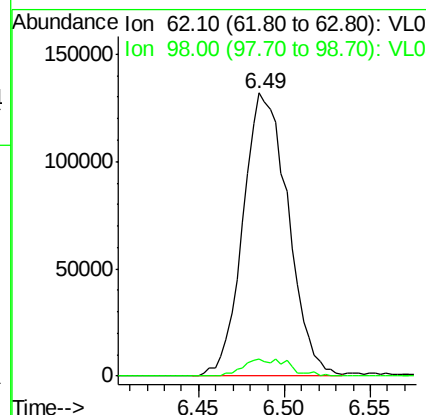
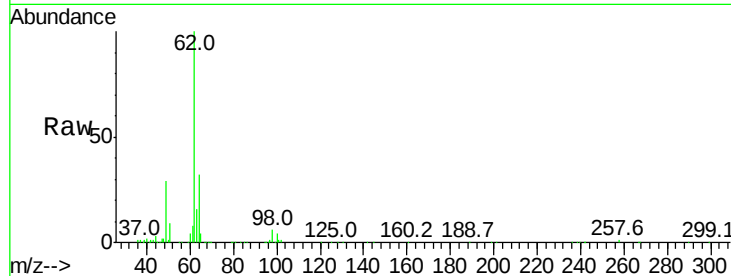




#37
 1,2-Dichloroethane
 Concen: 1.182 ppbv
 RT: 6.49 min Scan# 1679
 Delta R.T. -0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

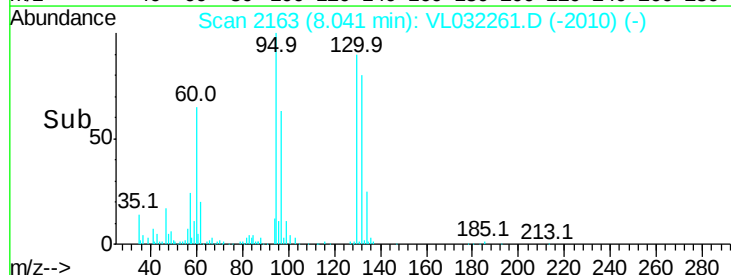
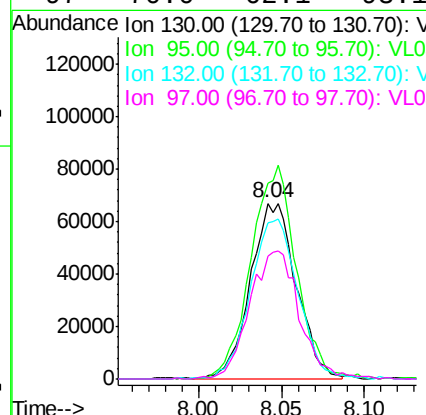
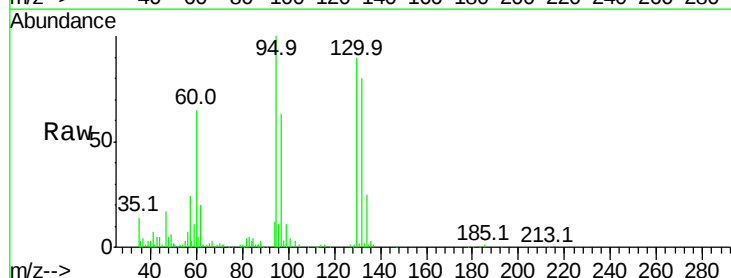
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

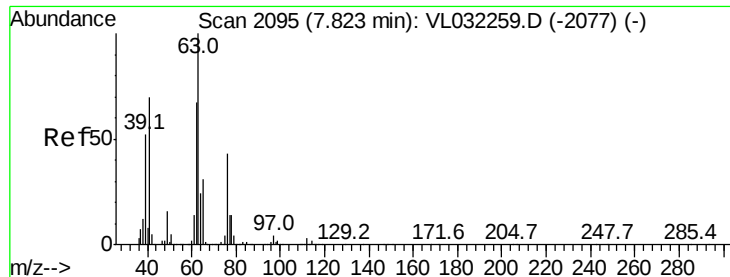
Tgt Ion: 62 Resp: 240767
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.9 7.3



#38
 Trichloroethene
 Concen: 1.005 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 130 Resp: 128194
 Ion Ratio Lower Upper
 130 100
 95 111.1 97.1 145.7
 132 88.8 75.6 113.4
 97 70.0 62.1 93.1





#39

1,2-Dichloropropane

Concen: 1.028 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

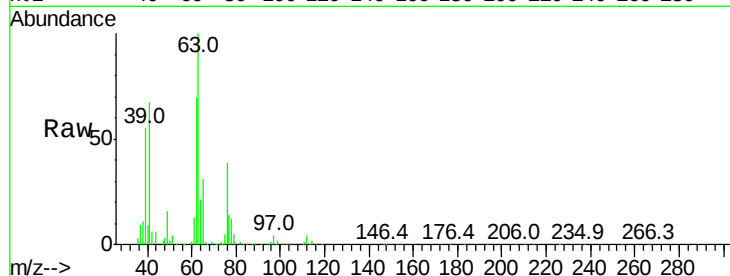
Tgt Ion: 63 Resp: 152018

Ion Ratio Lower Upper

63 100

41 67.1 55.8 83.6

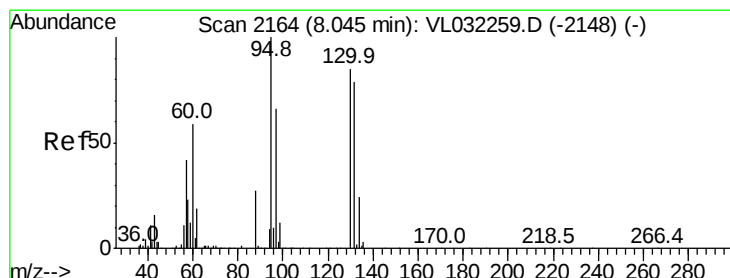
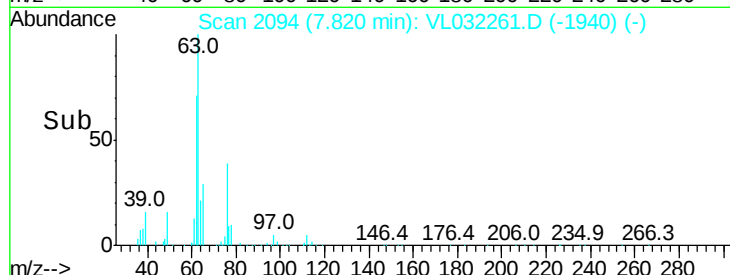
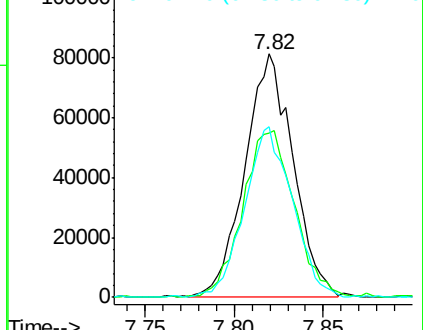
62 70.1 53.8 80.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.472 ppbv

RT: 8.07 min Scan# 2172

Delta R.T. 0.03 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Tgt Ion: 88 Resp: 23936

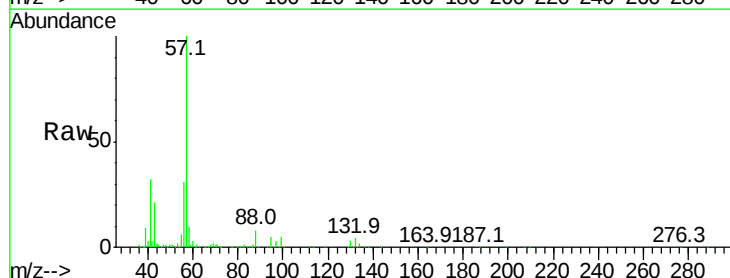
Ion Ratio Lower Upper

88 100

58 320.4 60.9 91.3#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

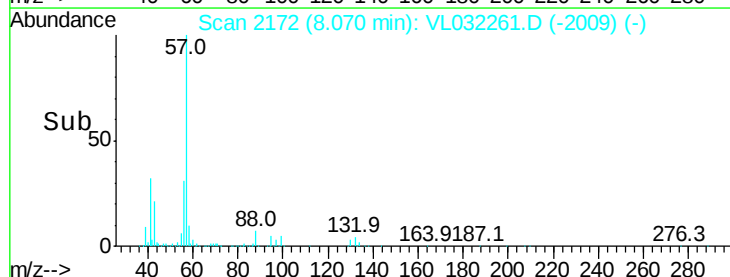
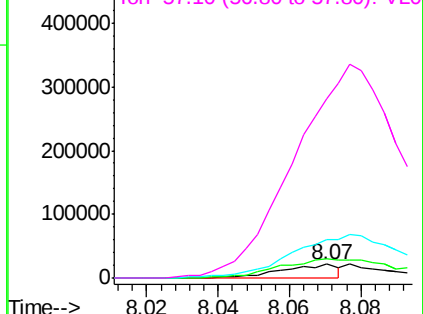


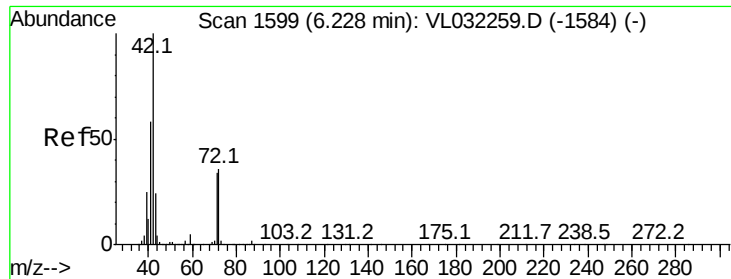
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

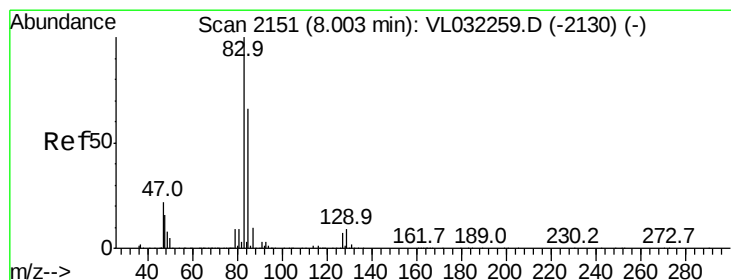
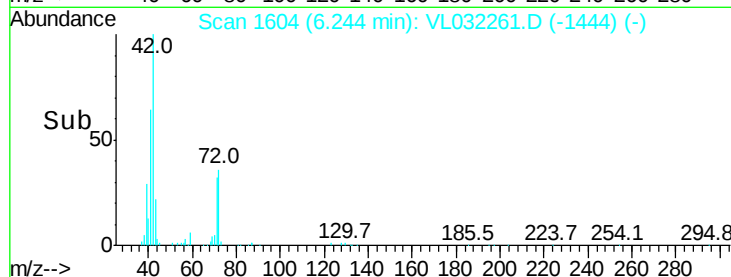
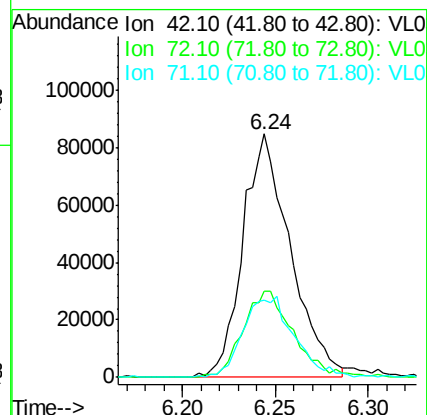
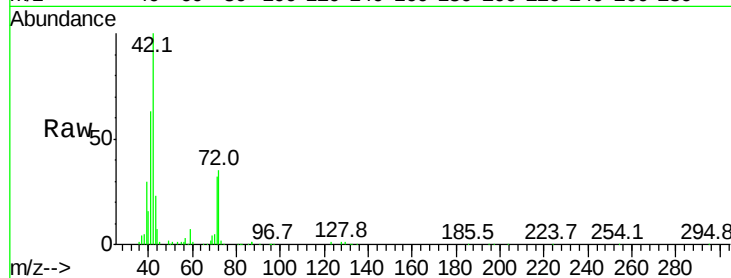




#41
Tetrahydrofuran
Concen: 1.061 ppbv
RT: 6.24 min Scan# 1604
Delta R.T. 0.02 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

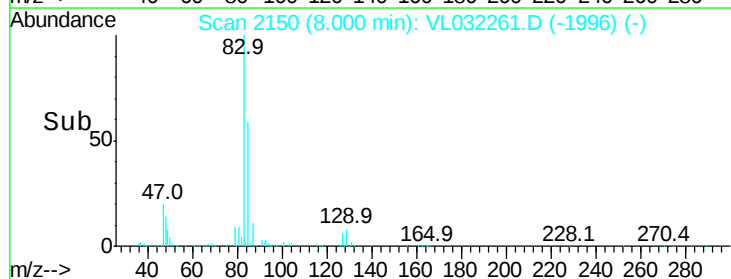
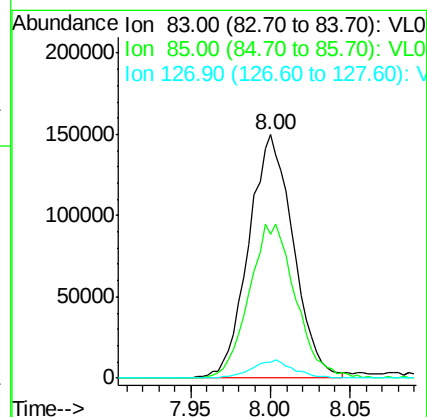
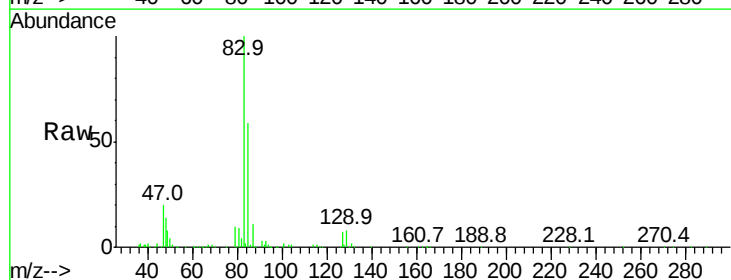
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

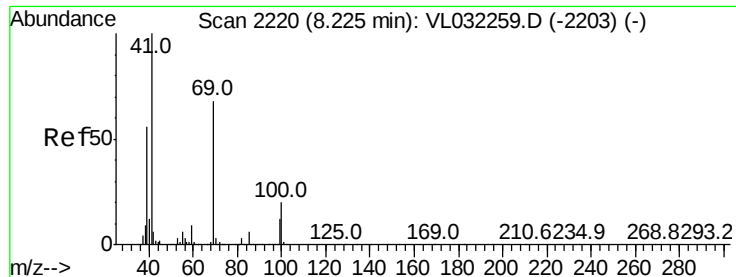
Tgt Ion: 42 Resp: 151483
Ion Ratio Lower Upper
42 100
72 37.6 29.4 44.0
71 35.9 28.2 42.4



#42
Bromodichloromethane
Concen: 0.987 ppbv
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

Tgt Ion: 83 Resp: 286214
Ion Ratio Lower Upper
83 100
85 59.0 53.0 79.4
127 6.4 5.7 8.5

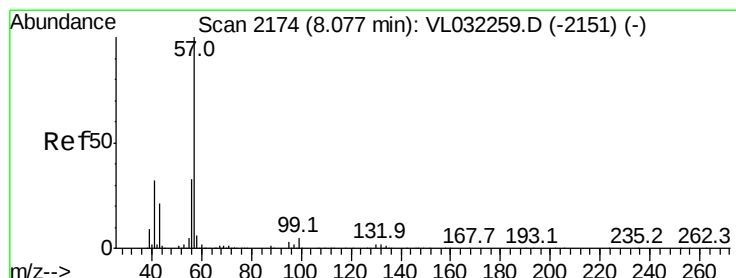
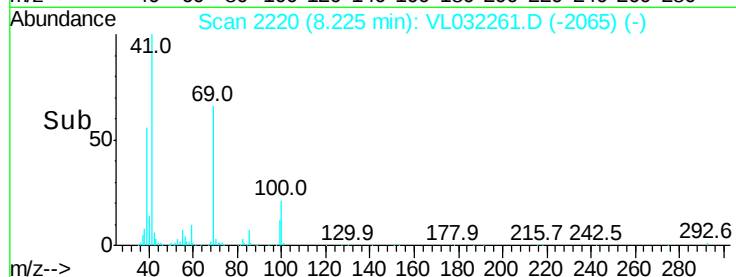
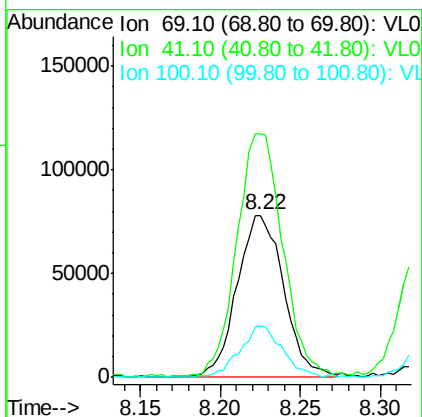
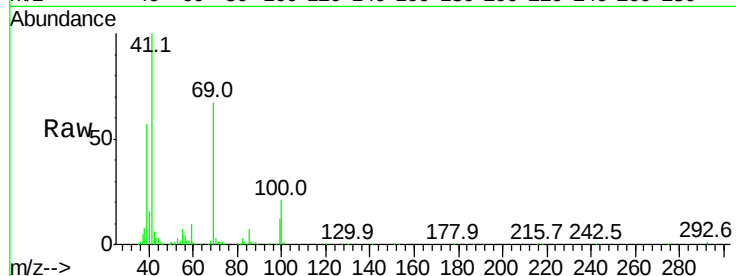




#43
Methyl Methacrylate
Concen: 1.073 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

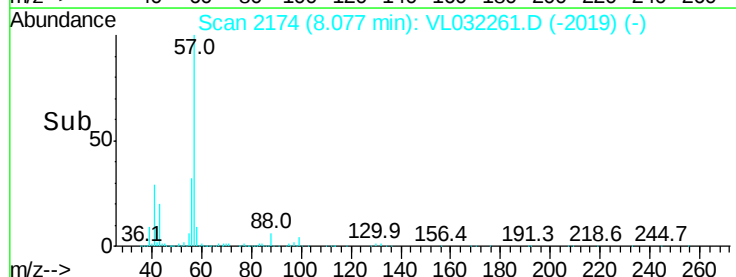
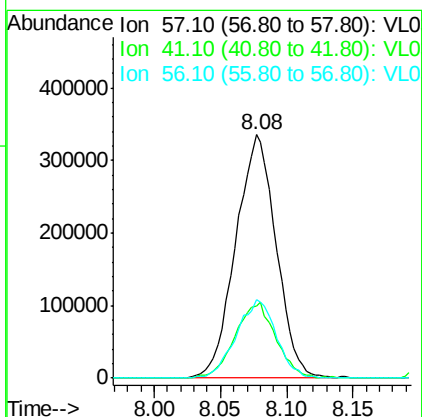
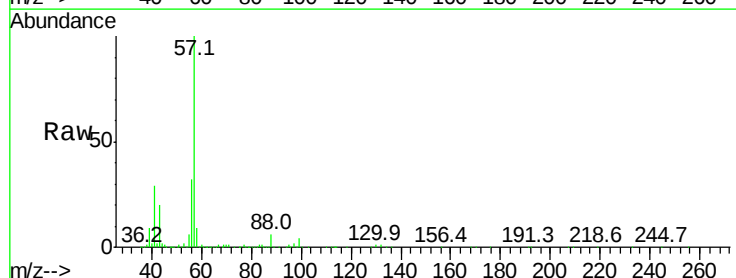
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

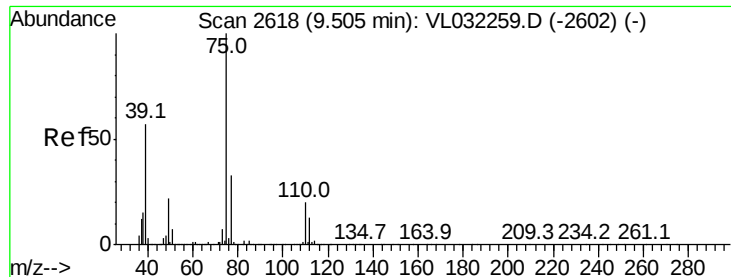
Tgt Ion: 69 Resp: 154197
Ion Ratio Lower Upper
69 100
41 150.2 118.6 177.8
100 29.7 23.3 34.9



#44
2,2,4-Trimethylpentane
Concen: 1.105 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

Tgt Ion: 57 Resp: 707180
Ion Ratio Lower Upper
57 100
41 31.8 24.4 36.6
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 0.865 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

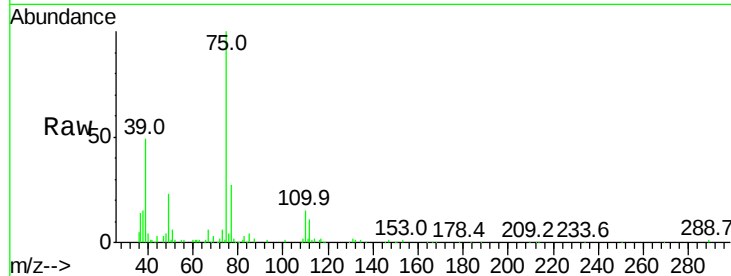
VSTDIC001

Tgt Ion: 75 Resp: 148159

Ion Ratio Lower Upper

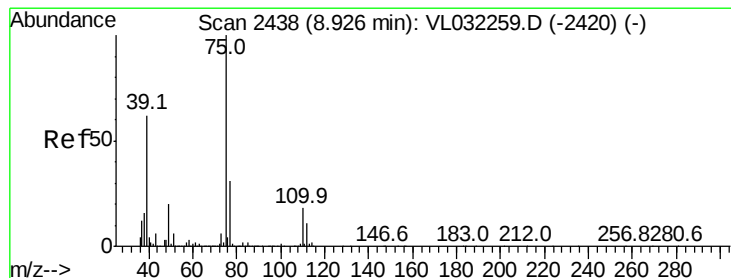
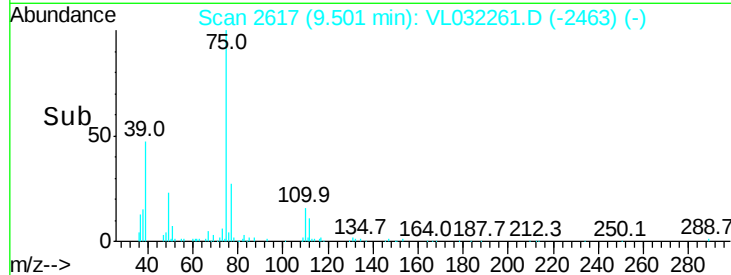
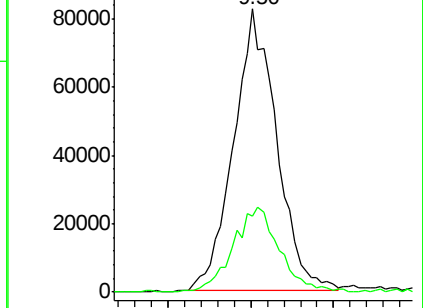
75 100

77 26.9 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 1.018 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

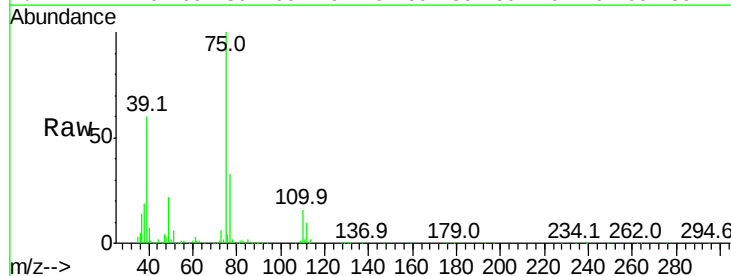
Tgt Ion: 75 Resp: 237706

Ion Ratio Lower Upper

75 100

39 59.0 49.9 74.9

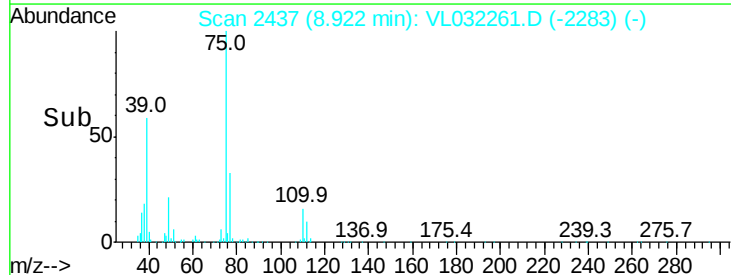
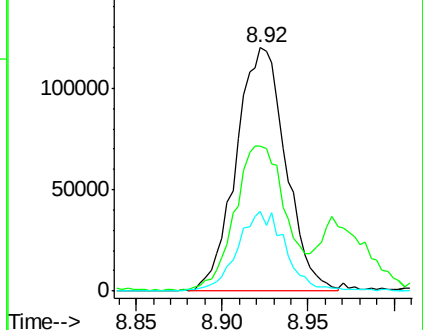
77 32.1 25.0 37.4

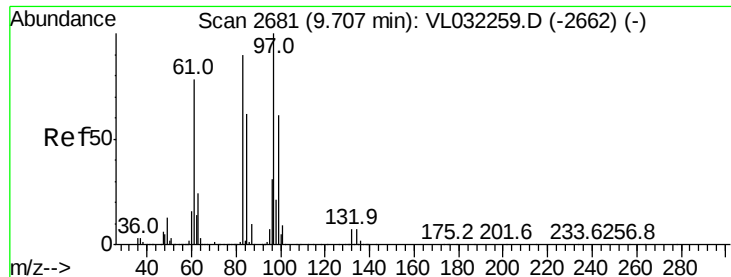


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

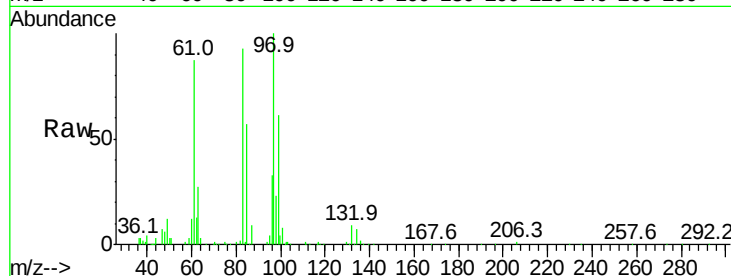




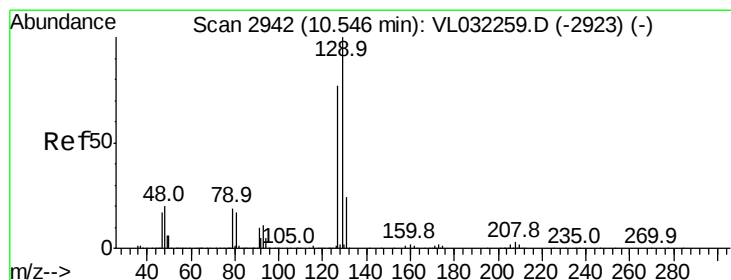
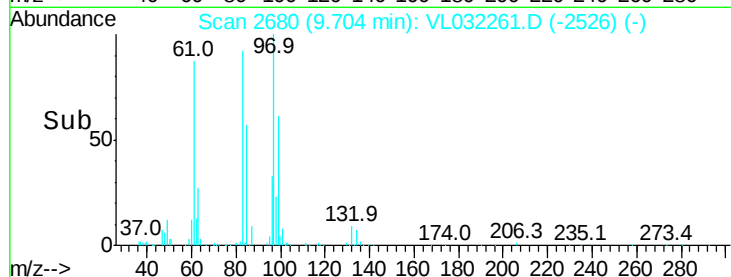
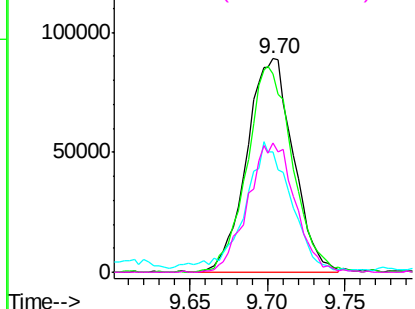
#47
 1,1,2-Trichloroethane
 Concen: 1.130 ppbv
 RT: 9.70 min Scan# 2680
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	97	Resp:	186538
Ion	Ratio	Lower	Upper
97	100		
83	93.1	72.3	108.5
85	55.7	49.5	74.3
99	61.0	48.9	73.3

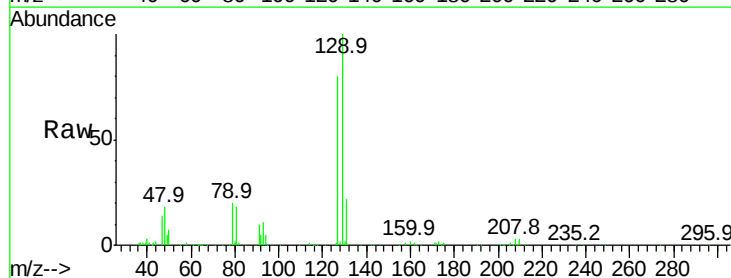


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

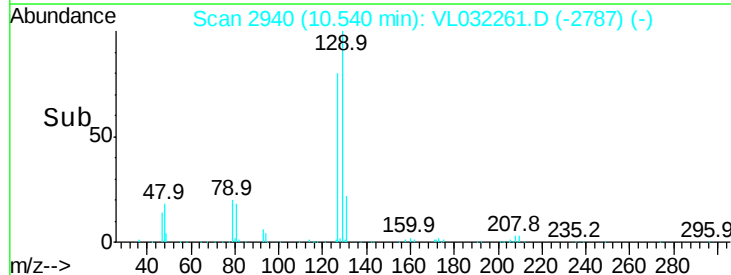
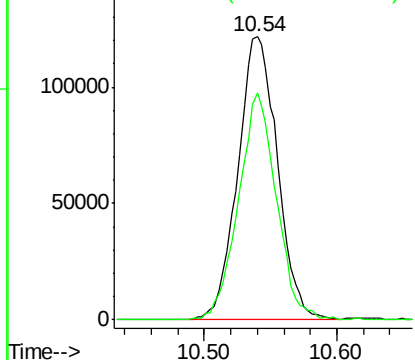


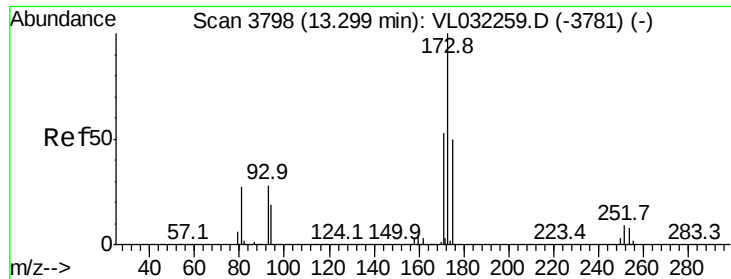
#48
 Dibromochloromethane
 Concen: 1.031 ppbv
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion:	129	Resp:	253296
Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 1.069 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

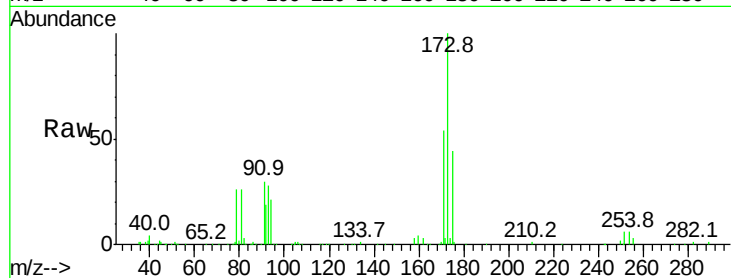
Tgt Ion:173 Resp: 210587

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.6

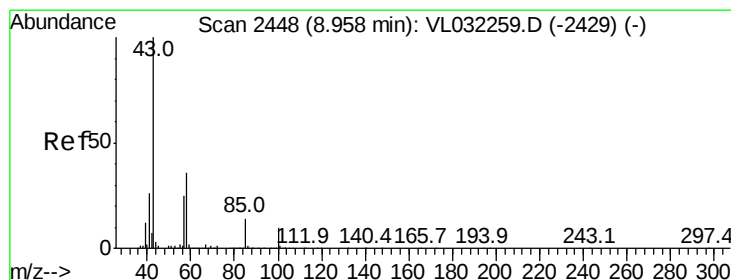
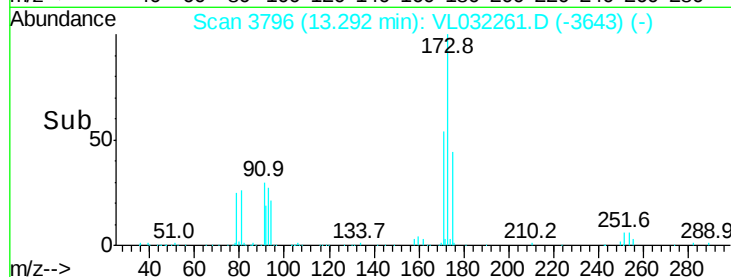
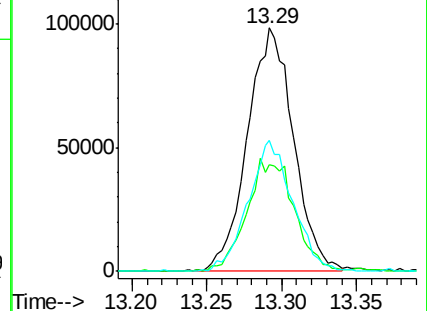
171 52.2 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.065 ppbv

RT: 8.97 min Scan# 2453

Delta R.T. 0.02 min

Lab File: VL032261.D

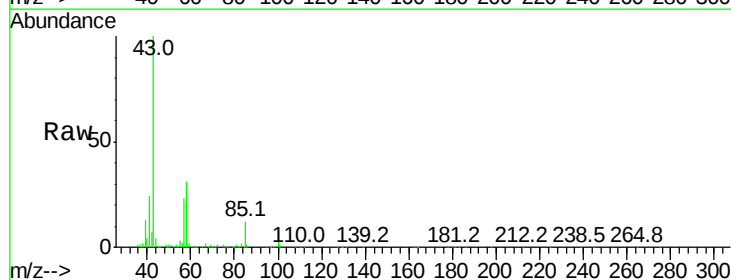
Acq: 18 Jul 2018 10:38

Tgt Ion: 43 Resp: 469978

Ion Ratio Lower Upper

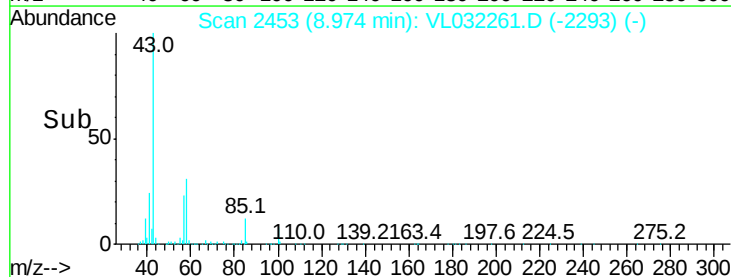
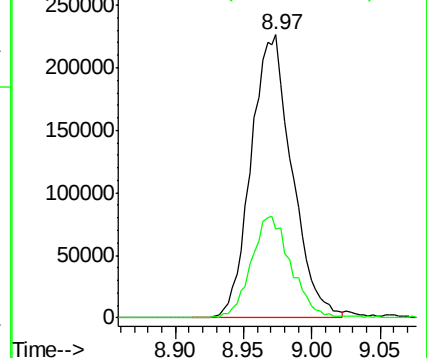
43 100

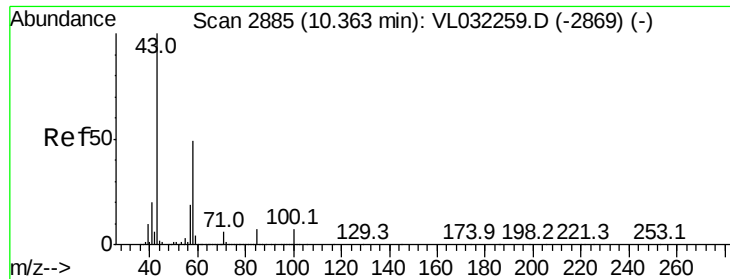
58 34.7 29.2 43.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

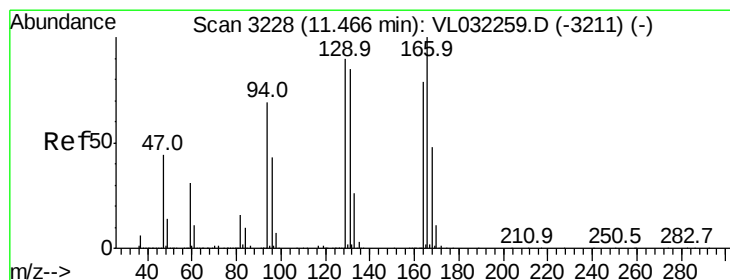
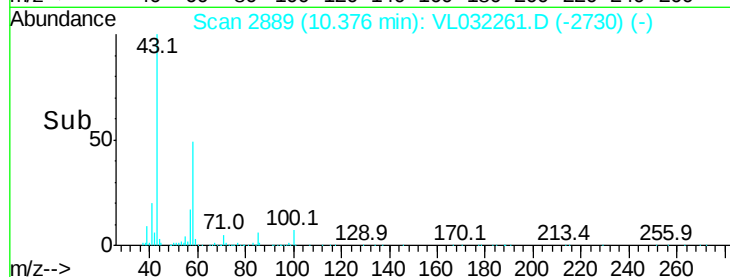
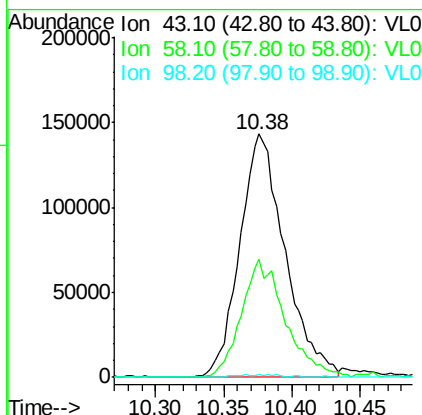
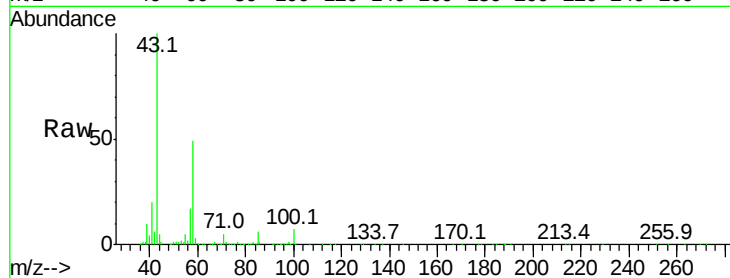




#51
2-Hexanone
Concen: 0.897 ppbv
RT: 10.38 min Scan# 2889
Delta R.T. 0.01 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

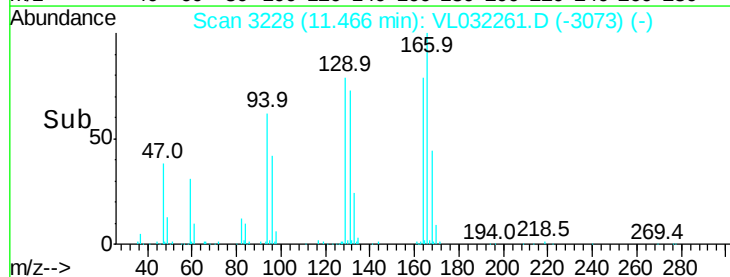
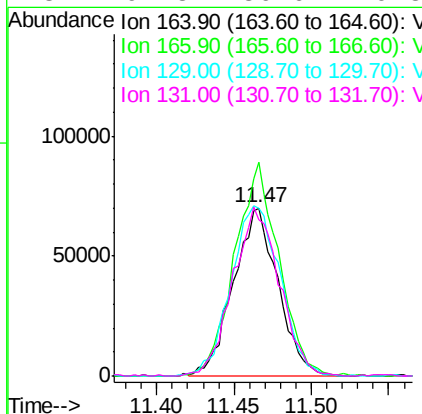
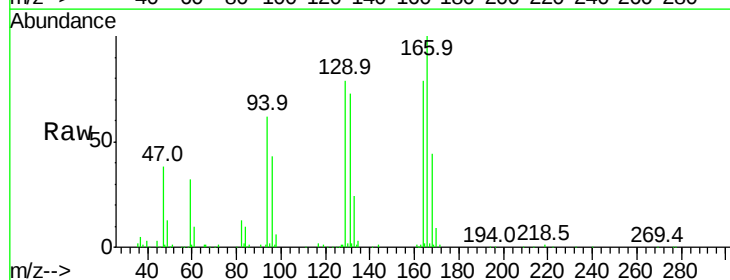
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

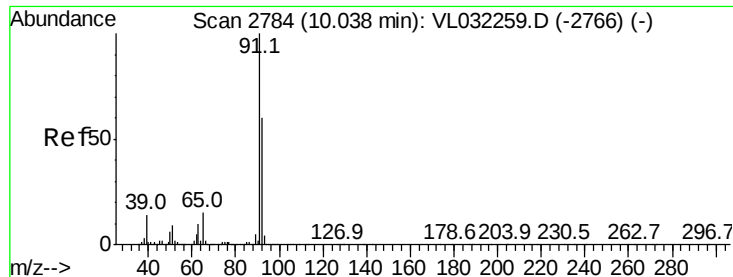
Tgt Ion: 43 Resp: 330613
Ion Ratio Lower Upper
43 100
58 47.7 39.4 59.2
98 1.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.018 ppbv
RT: 11.47 min Scan# 3228
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

Tgt Ion: 164 Resp: 139859
Ion Ratio Lower Upper
164 100
166 126.7 101.7 152.5
129 99.9 91.5 137.3
131 92.8 86.6 129.8





#53

Toluene

Concen: 1.059 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

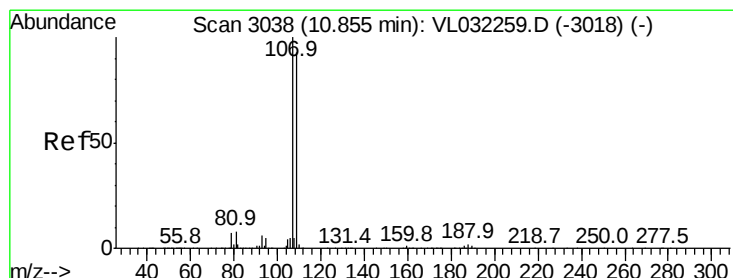
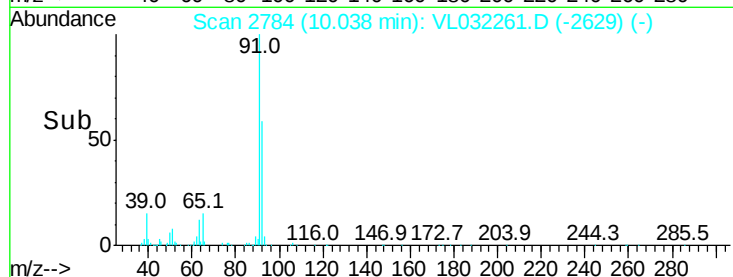
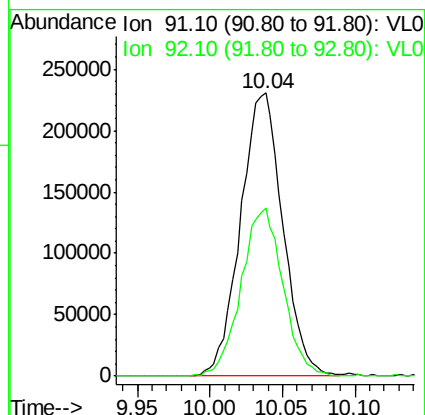
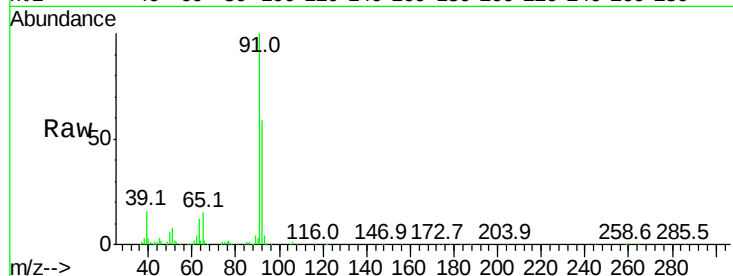
VSTDIC001

Tgt Ion: 91 Resp: 465942

Ion Ratio Lower Upper

91 100

92 58.9 48.6 72.8



#54

1,2-Dibromoethane

Concen: 1.048 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VL032261.D

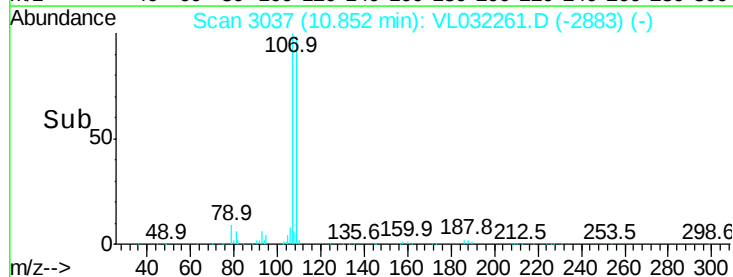
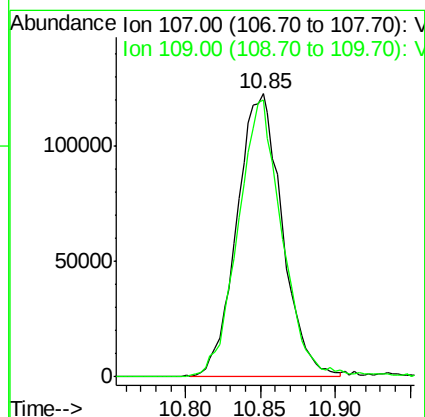
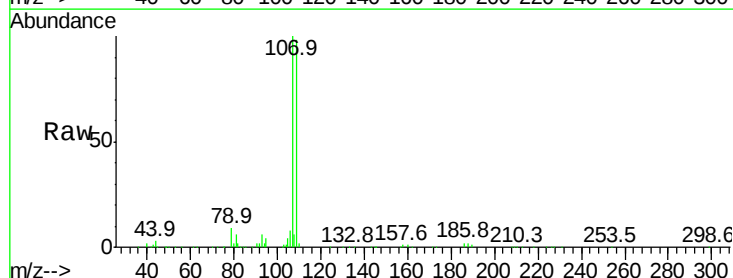
Acq: 18 Jul 2018 10:38

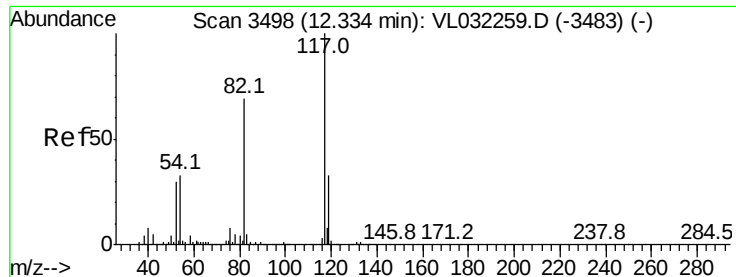
Tgt Ion: 107 Resp: 255408

Ion Ratio Lower Upper

107 100

109 97.5 74.8 112.2

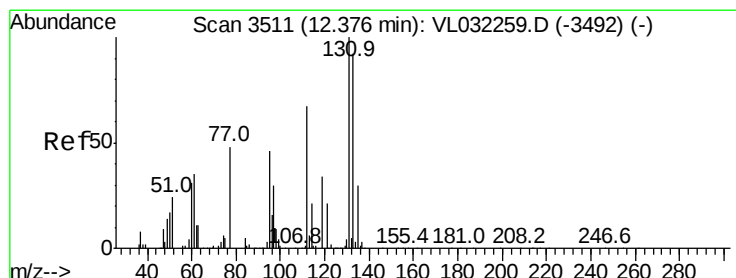
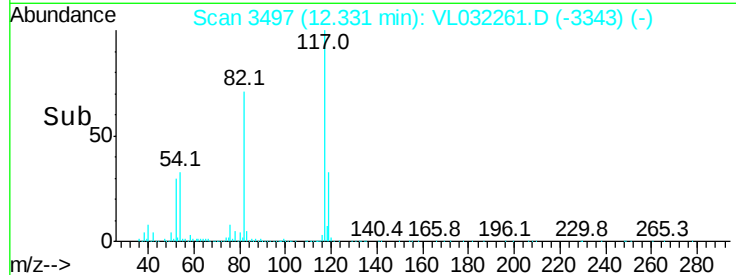
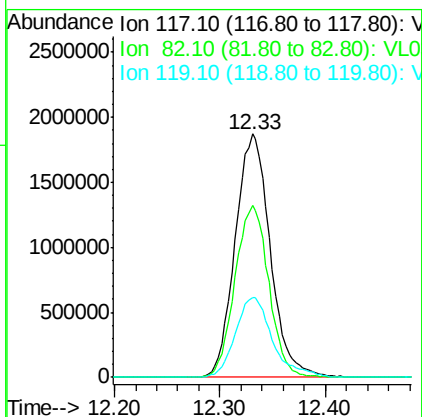
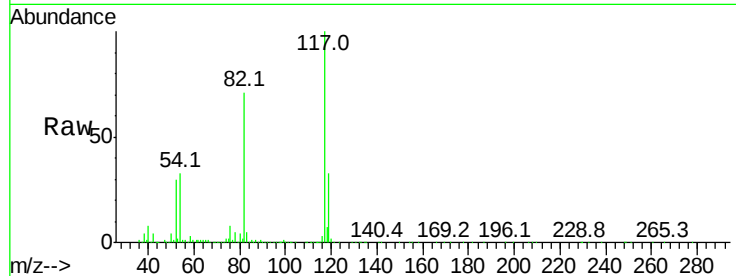




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

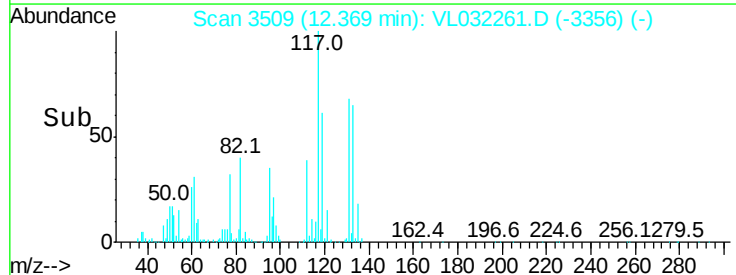
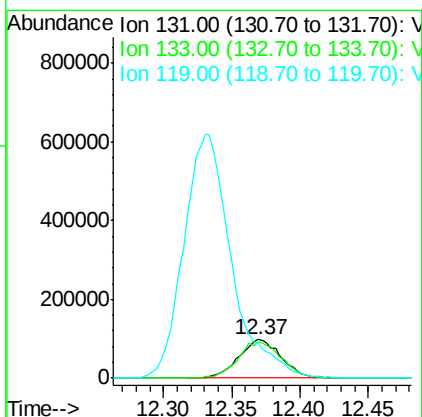
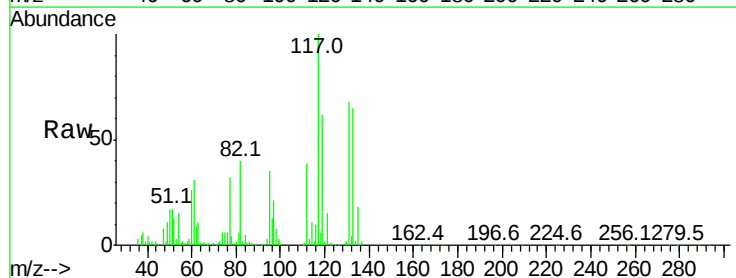
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

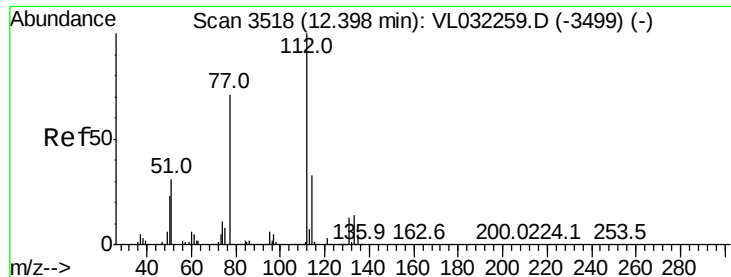
Tgt Ion:117 Resp: 4332549
Ion Ratio Lower Upper
117 100
82 68.2 53.9 80.9
119 34.9 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 1.120 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.01 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

Tgt Ion:131 Resp: 210707
Ion Ratio Lower Upper
131 100
133 97.4 75.4 113.0
119 717.7 49.4 74.2#

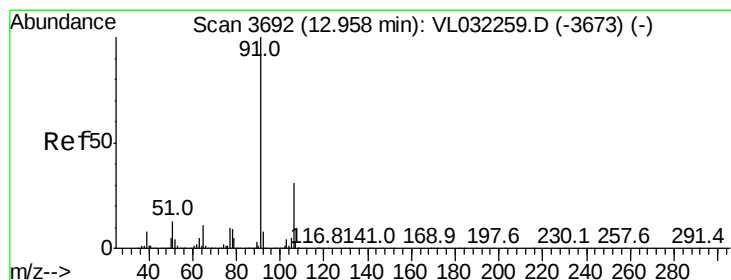
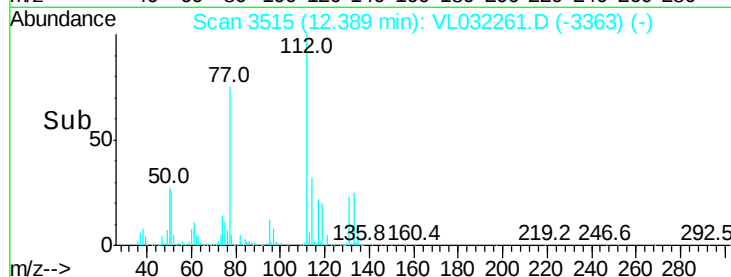
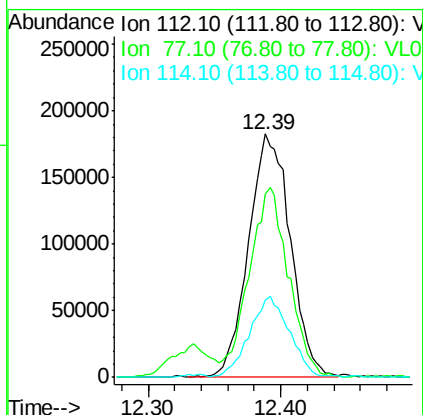
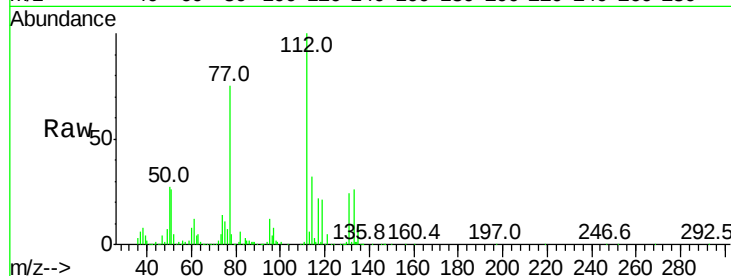




#57
Chlorobenzene
Concen: 1.082 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.01 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

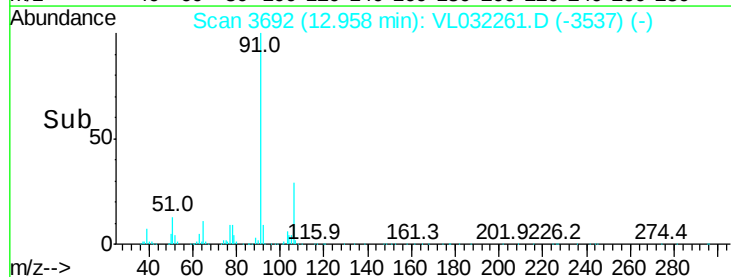
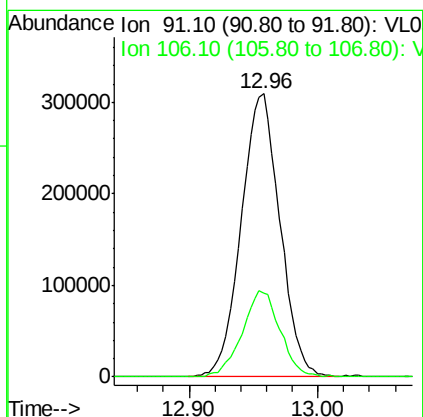
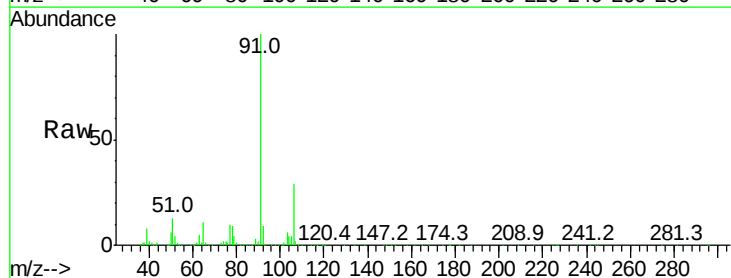
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

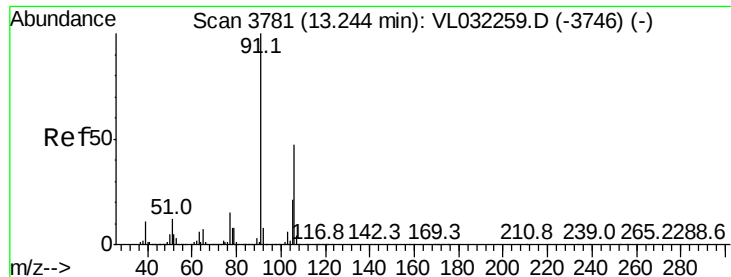
Tgt Ion: 112 Resp: 396376
Ion Ratio Lower Upper
112 100
77 74.8 58.2 87.4
114 31.3 29.5 36.1



#58
Ethyl Benzene
Concen: 1.024 ppbv
RT: 12.96 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL032261.D
Acq: 18 Jul 2018 10:38

Tgt Ion: 91 Resp: 645721
Ion Ratio Lower Upper
91 100
106 29.4 24.5 36.7





#59

m/p-Xylene

Concen: 0.954 ppbv

RT: 13.24 min Scan# 3779

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

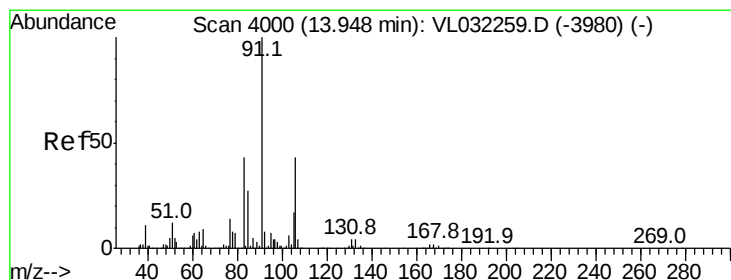
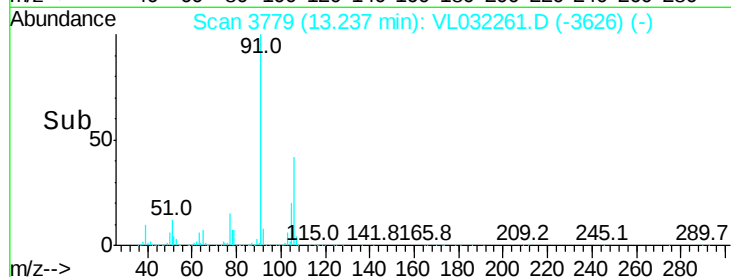
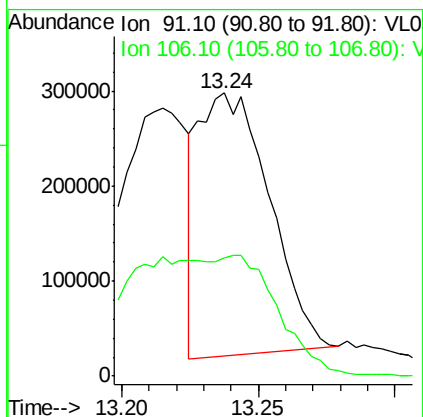
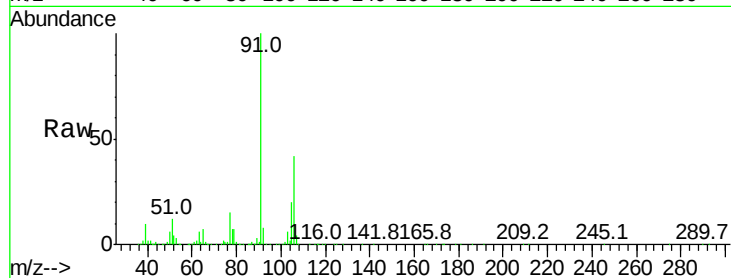
VSTDIC001

Tgt Ion: 91 Resp: 495205

Ion Ratio Lower Upper

91 100

106 99.0 36.2 54.2#



#60

o-Xylene

Concen: 1.111 ppbv

RT: 13.94 min Scan# 3996

Delta R.T. -0.01 min

Lab File: VL032261.D

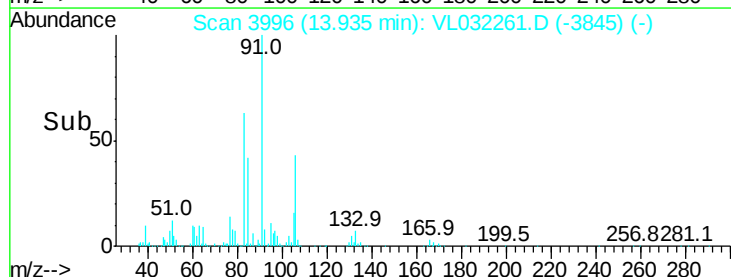
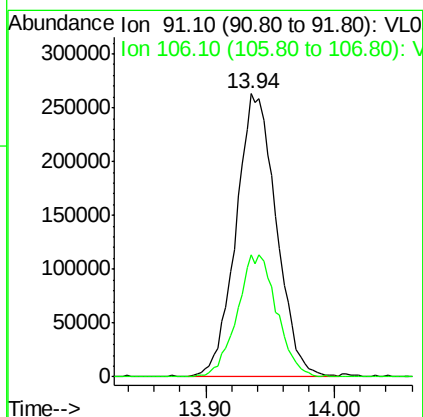
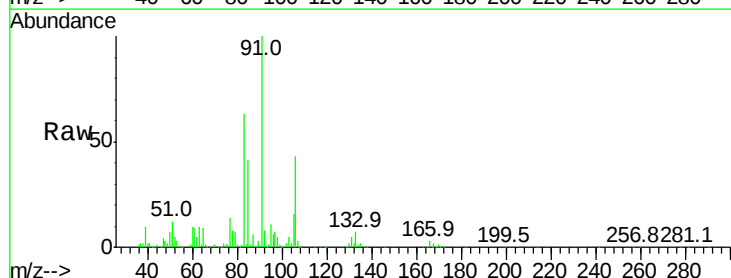
Acq: 18 Jul 2018 10:38

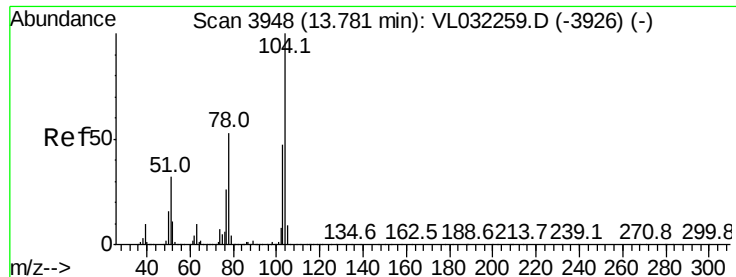
Tgt Ion: 91 Resp: 569197

Ion Ratio Lower Upper

91 100

106 42.7 21.7 65.1





#61

Styrene

Concen: 1.041 ppbv

RT: 13.78 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

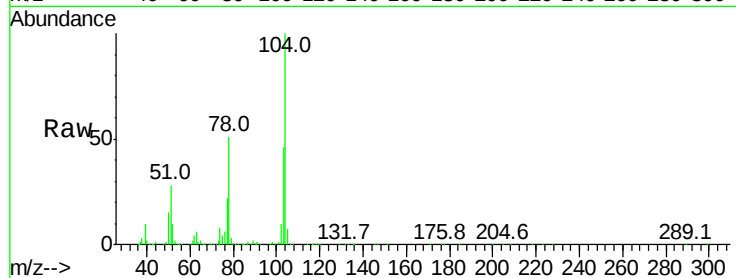
Tgt Ion:104 Resp: 399376

Ion Ratio Lower Upper

104 100

78 54.3 43.2 64.8

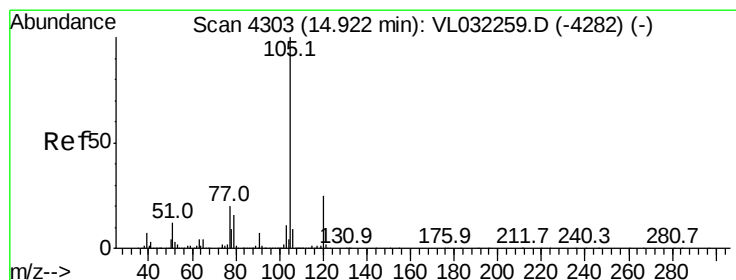
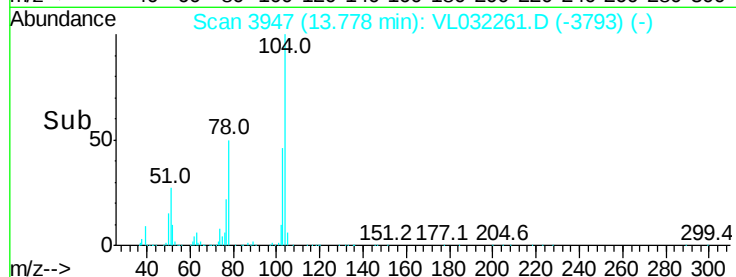
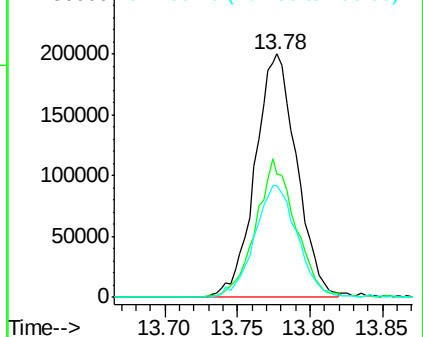
103 47.6 37.8 56.6



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: 1.117 ppbv

RT: 14.92 min Scan# 4301

Delta R.T. -0.01 min

Lab File: VL032261.D

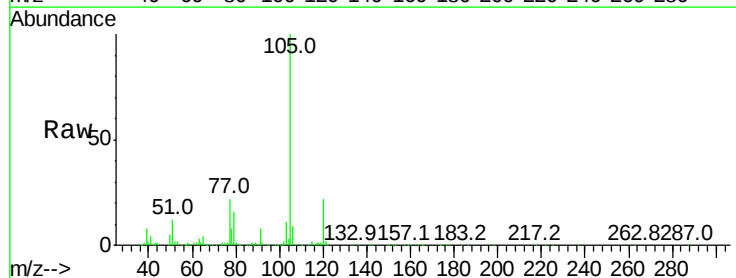
Acq: 18 Jul 2018 10:38

Tgt Ion:105 Resp: 802015

Ion Ratio Lower Upper

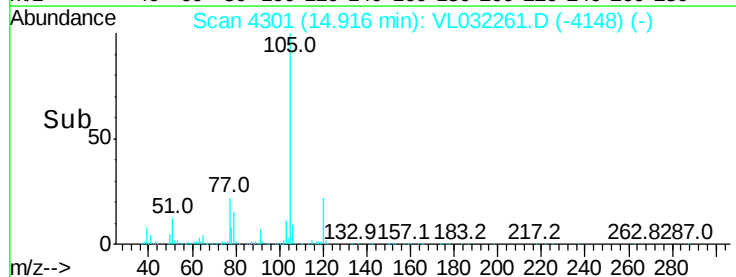
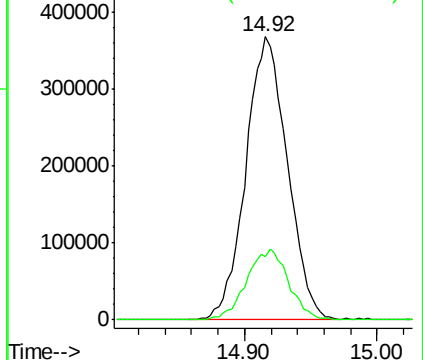
105 100

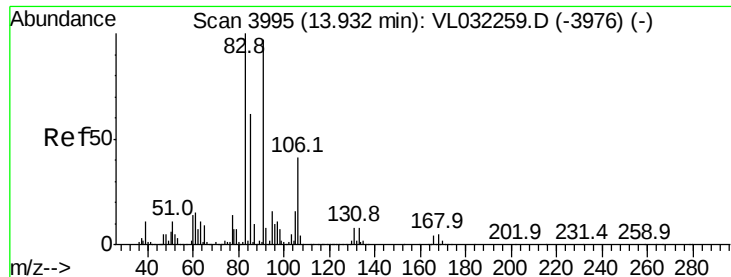
120 25.3 20.2 30.4



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: 1.132 ppbv

RT: 13.93 min Scan# 3993

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

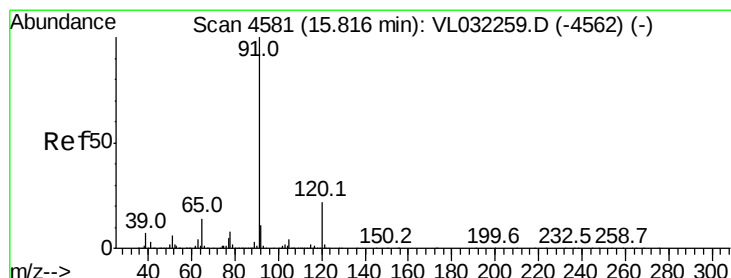
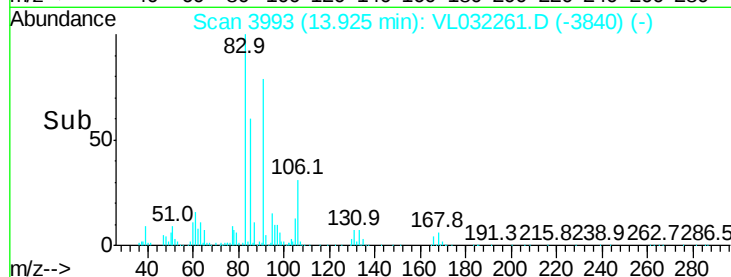
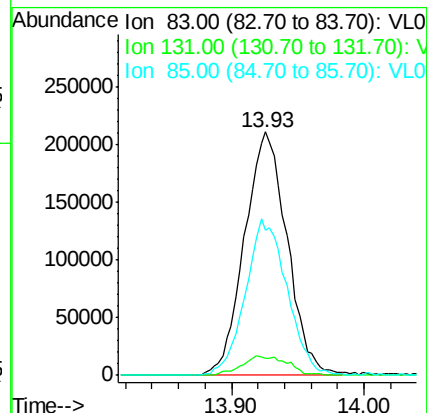
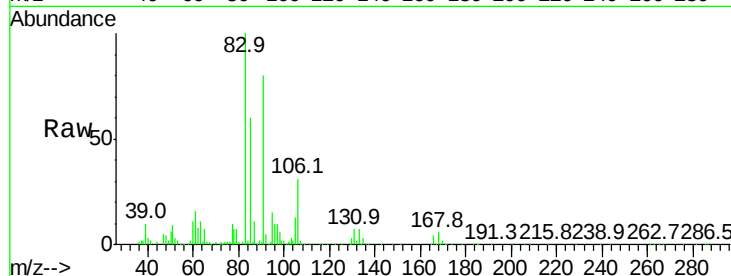
Tgt Ion: 83 Resp: 471650

Ion Ratio Lower Upper

83 100

131 8.7 4.2 12.6

85 63.0 32.2 96.6



#64

n-propylbenzene

Concen: 1.091 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. -0.01 min

Lab File: VL032261.D

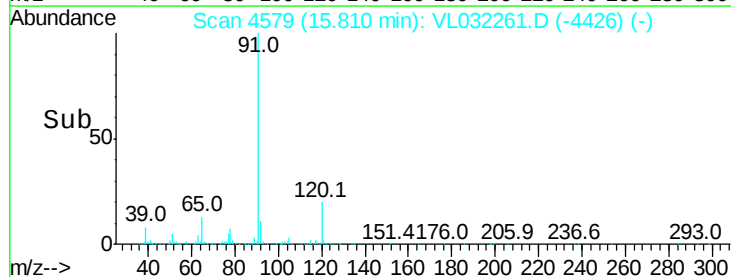
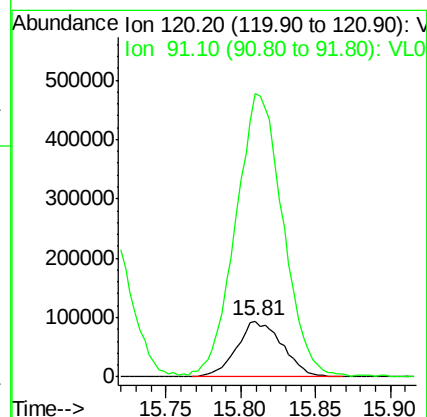
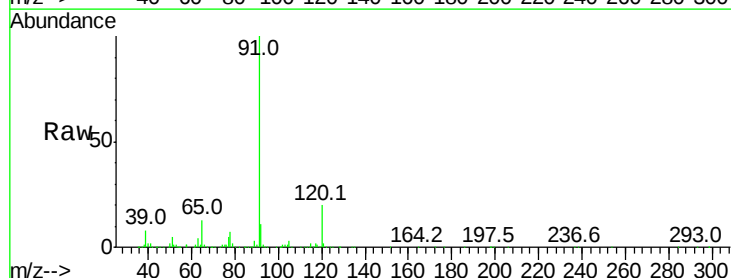
Acq: 18 Jul 2018 10:38

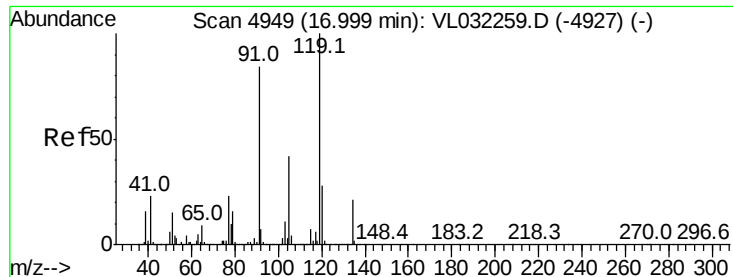
Tgt Ion: 120 Resp: 198311

Ion Ratio Lower Upper

120 100

91 530.0 384.4 576.6





#65

tert-Butylbenzene

Concen: 1.165 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

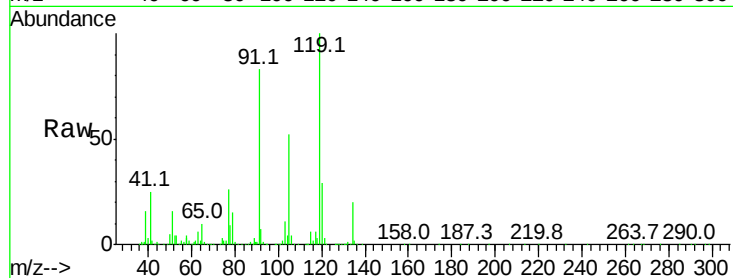
Tgt Ion: 119 Resp: 701157

Ion Ratio Lower Upper

119 100

91 87.2 68.2 102.4

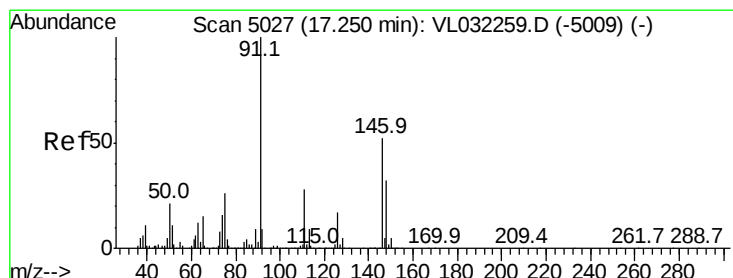
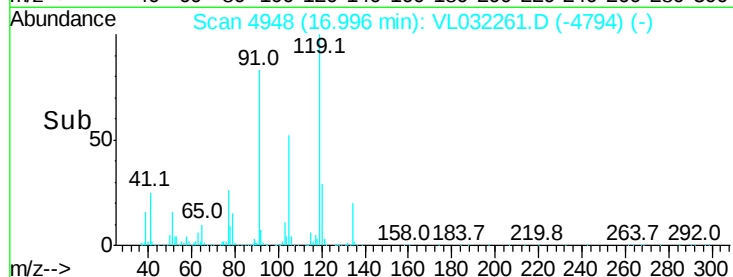
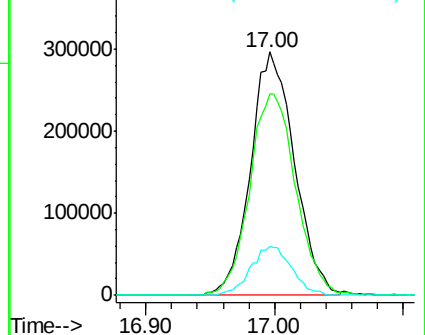
134 19.2 15.6 23.4



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



#66

Benzyl Chloride

Concen: 1.067 ppbv

RT: 17.25 min Scan# 5026

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

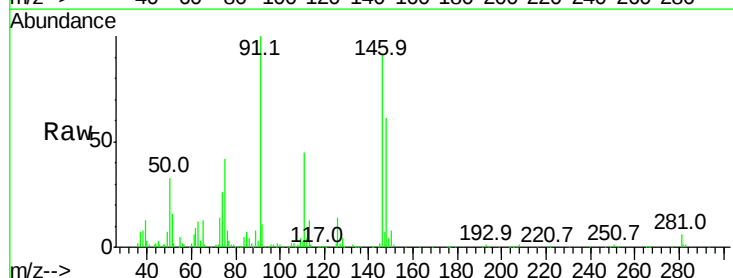
Tgt Ion: 91 Resp: 324970

Ion Ratio Lower Upper

91 100

126 15.2 13.4 20.2

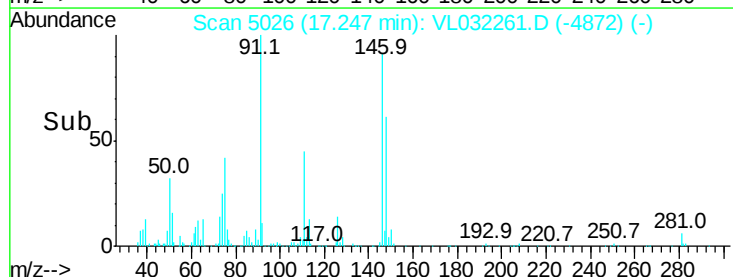
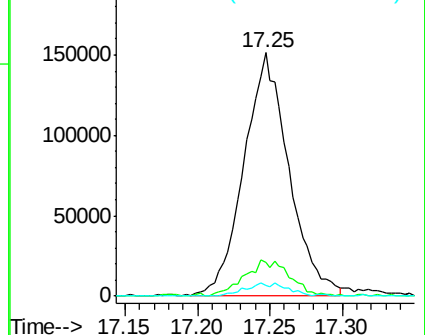
128 5.4 4.3 6.5

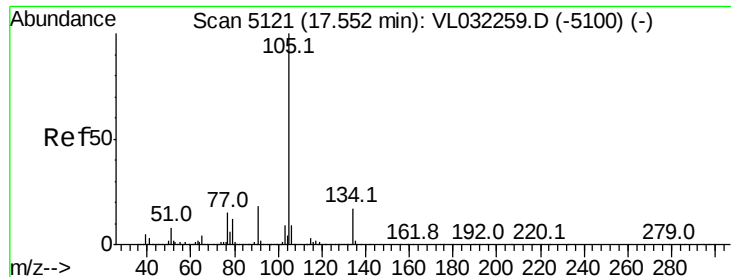


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

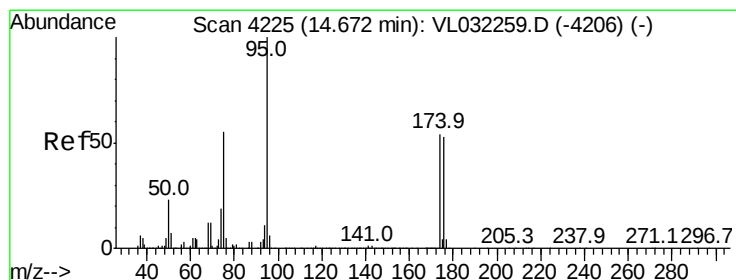
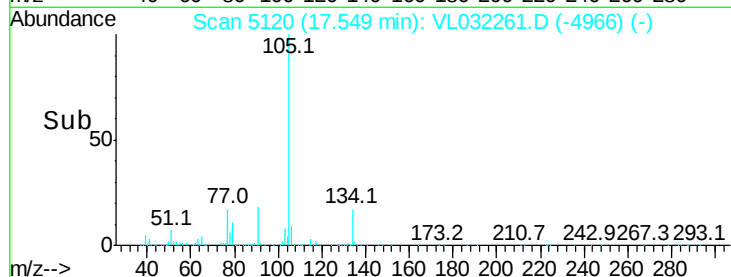
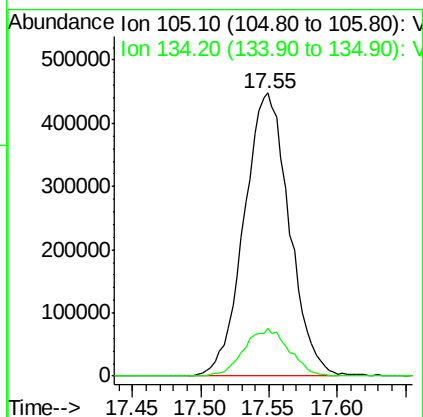
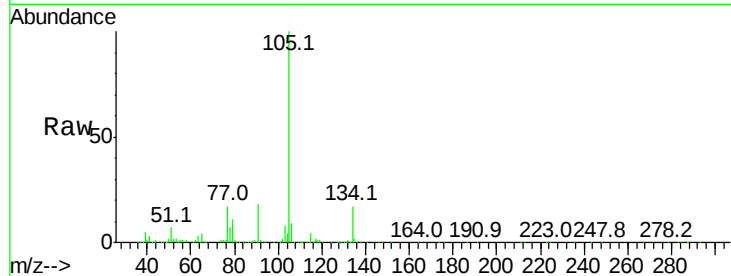




#67
 sec-Butylbenzene
 Concen: 1.171 ppbv
 RT: 17.55 min Scan# 5120
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

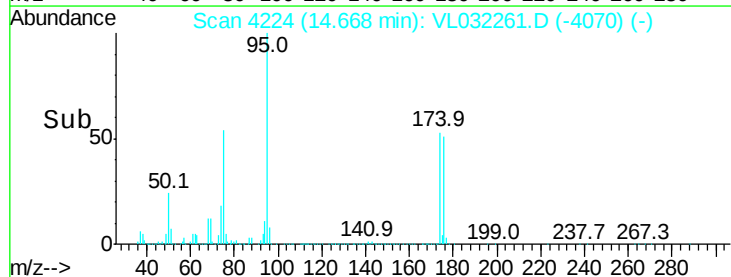
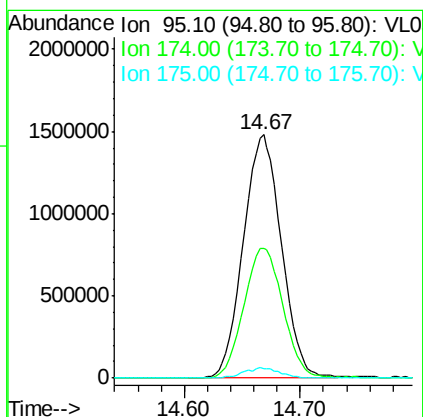
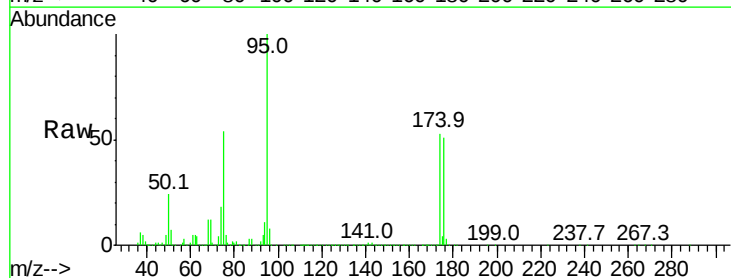
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

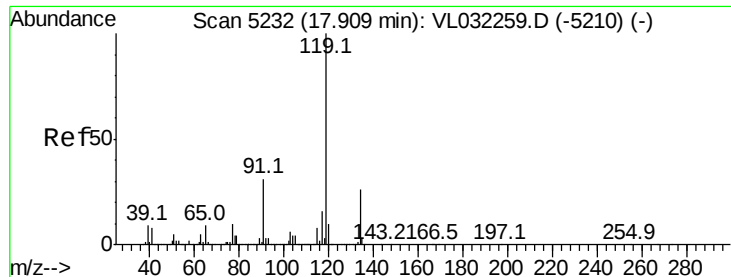
Tgt Ion:105 Resp: 1029542
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.0 21.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.074 ppbv
 RT: 14.67 min Scan# 4224
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion: 95 Resp: 3378711
 Ion Ratio Lower Upper
 95 100
 174 55.3 44.3 66.5
 175 4.0 3.3 4.9

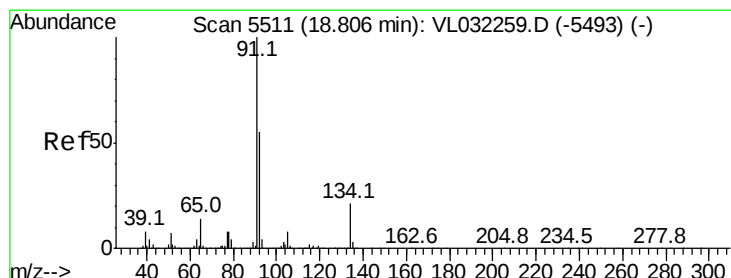
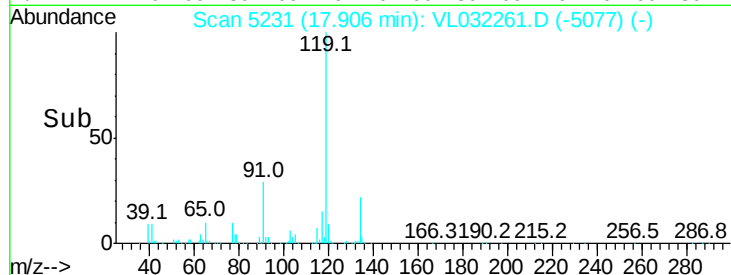
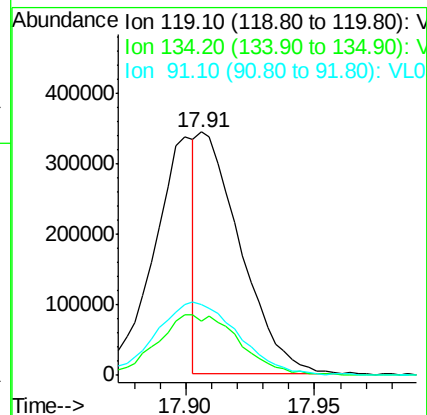
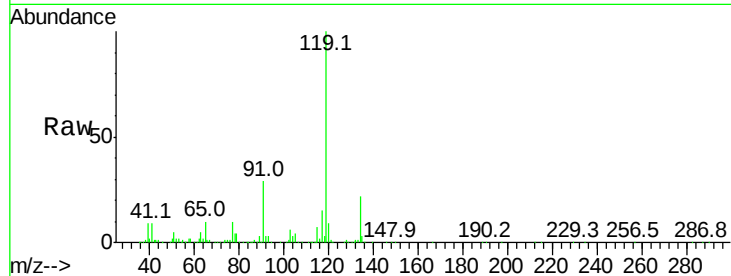




#69
 p-Isopropyltoluene
 Concen: 0.574 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

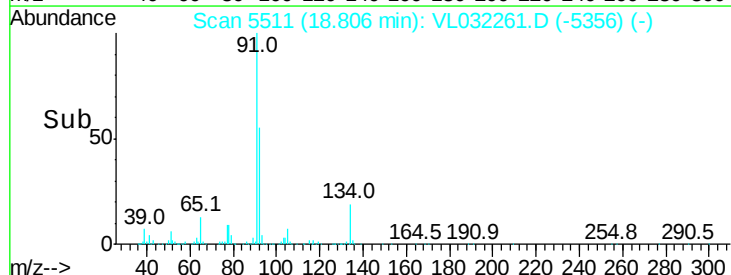
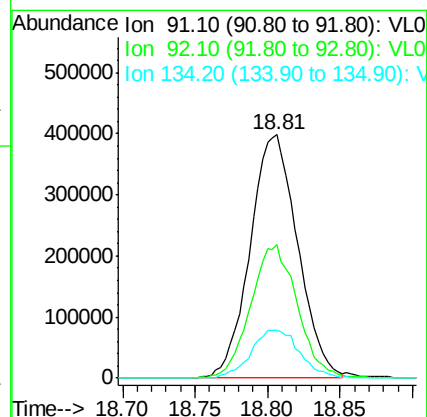
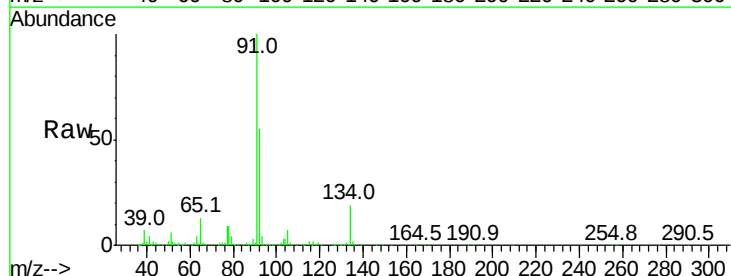
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

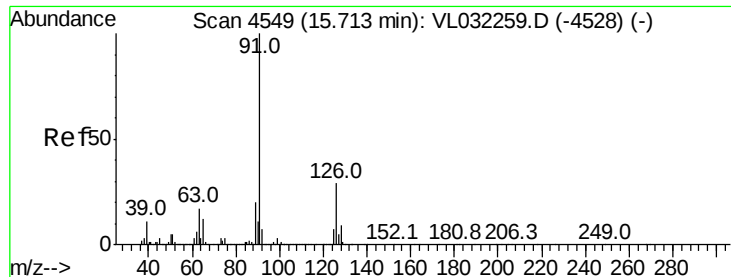
Tgt Ion	Ratio	Lower	Upper
119	100		
134	49.2	20.3	30.5#
91	59.7	24.1	36.1#



#70
 n-Butylbenzene
 Concen: 1.200 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.8	65.6
134	20.4	17.1	25.7





#71

2-Chlorotoluene

Concen: 1.115 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

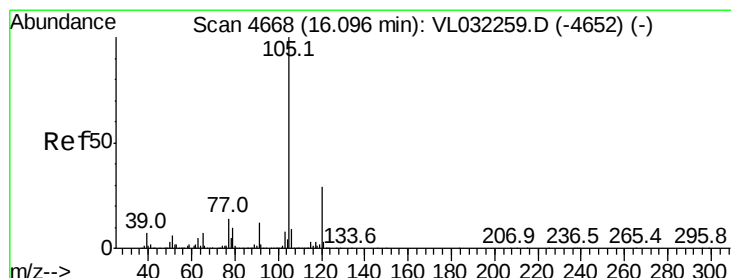
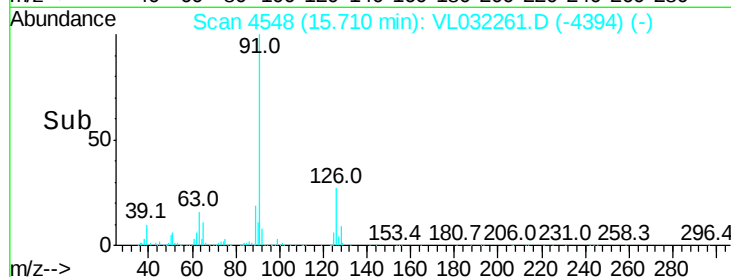
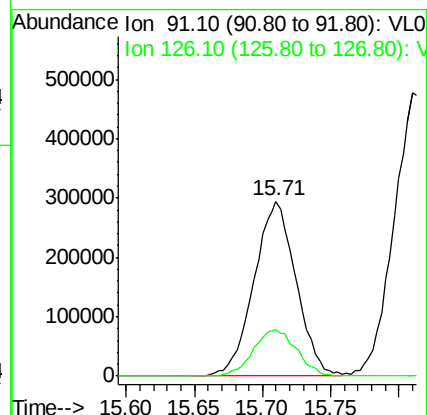
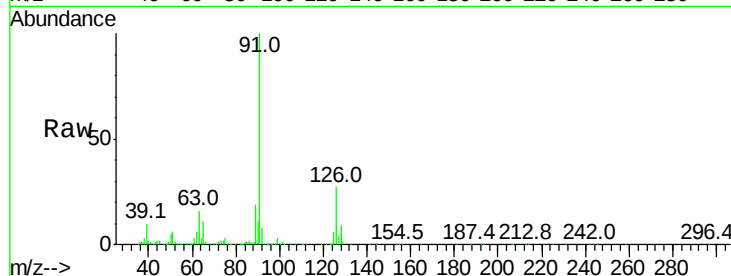
VSTDIC001

Tgt Ion: 91 Resp: 630144

Ion Ratio Lower Upper

91 100

126 27.7 11.6 46.2



#72

4-Ethyltoluene

Concen: 1.089 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Tgt Ion: 105 Resp: 626061

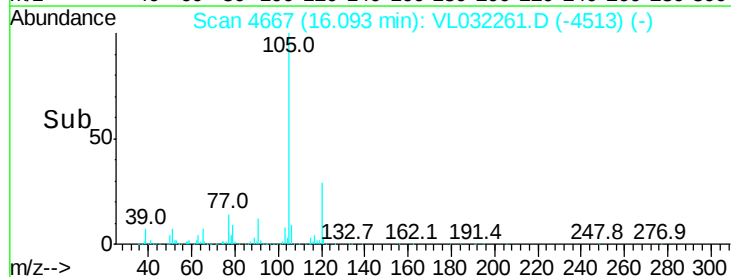
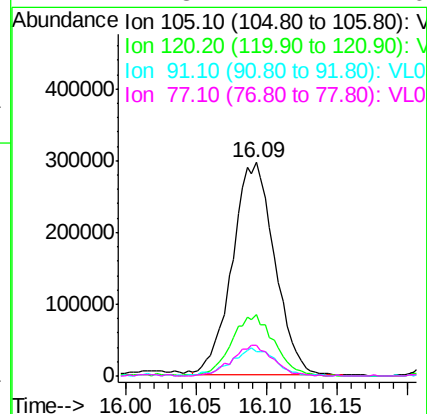
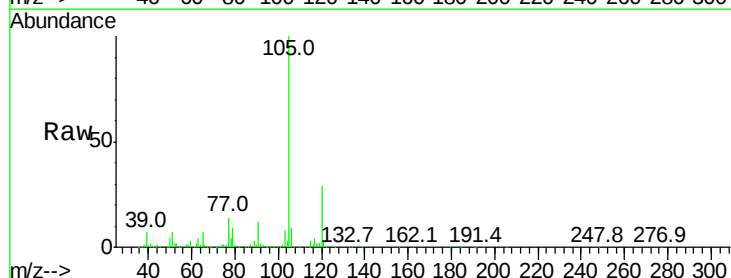
Ion Ratio Lower Upper

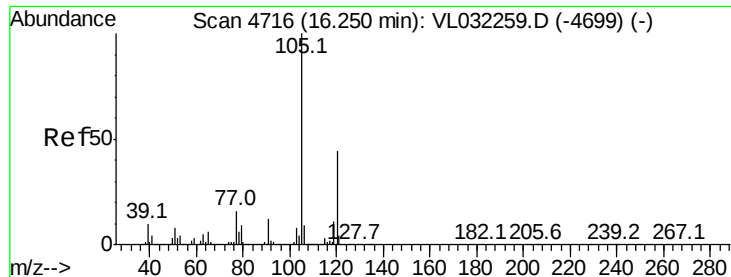
105 100

120 29.1 23.0 34.6

91 13.8 10.1 15.1

77 14.3 11.4 17.0

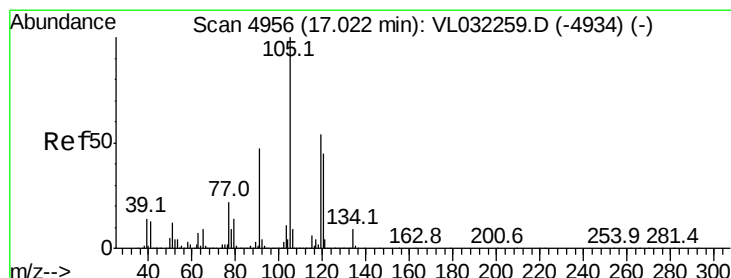
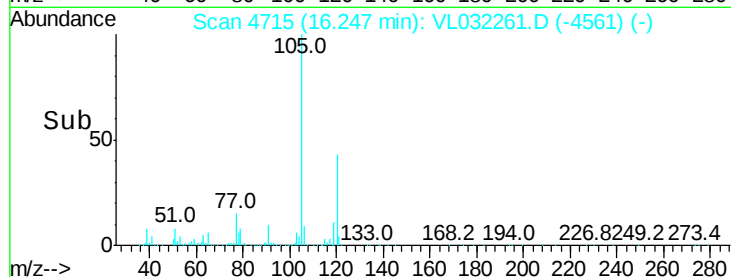
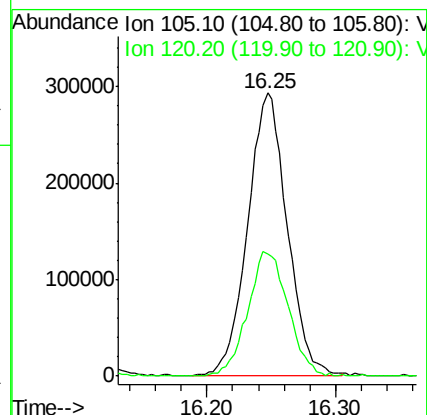
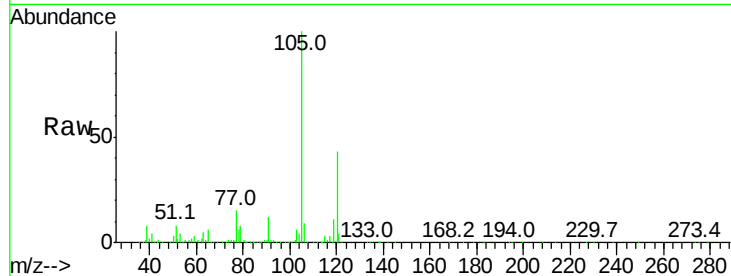




#73
 1,3,5-Trimethylbenzene
 Concen: 1.166 ppbv
 RT: 16.25 min Scan# 4715
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

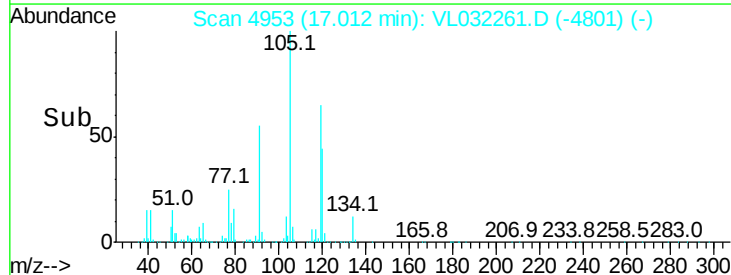
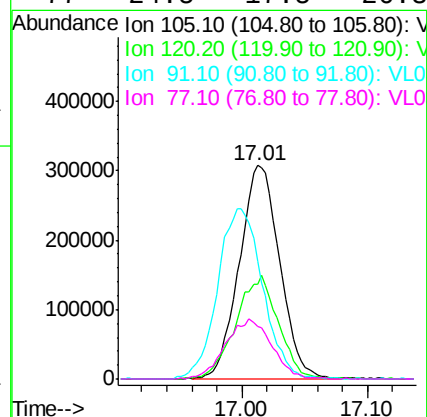
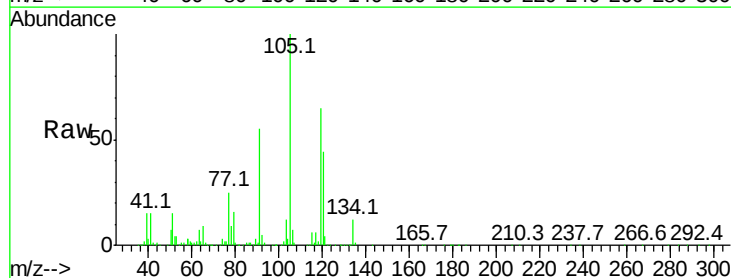
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

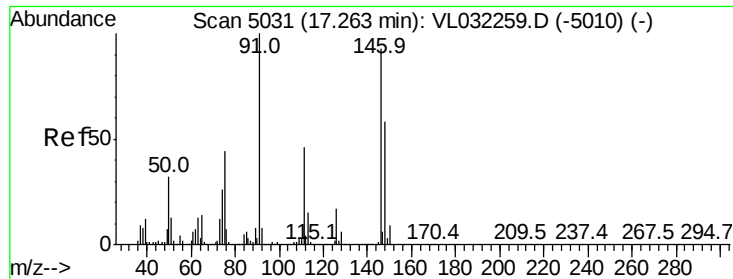
Tgt Ion:105 Resp: 622974
 Ion Ratio Lower Upper
 105 100
 120 43.0 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 1.257 ppbv
 RT: 17.01 min Scan# 4953
 Delta R.T. -0.01 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Tgt Ion:105 Resp: 686818
 Ion Ratio Lower Upper
 105 100
 120 43.8 35.8 53.6
 91 55.2 38.2 57.4
 77 24.5 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 1.174 ppbv

RT: 17.25 min Scan# 5028

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

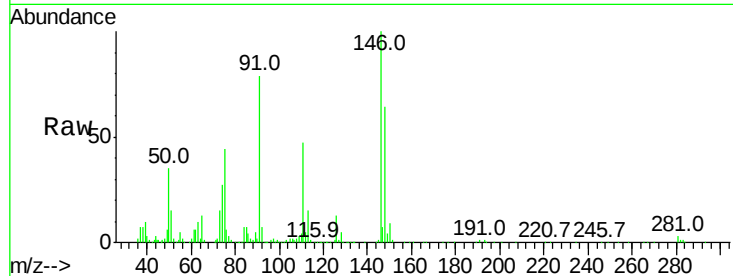
Tgt Ion:146 Resp: 382639

Ion Ratio Lower Upper

146 100

111 51.0 25.1 75.4

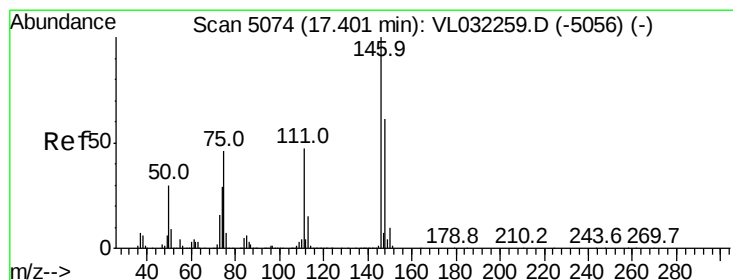
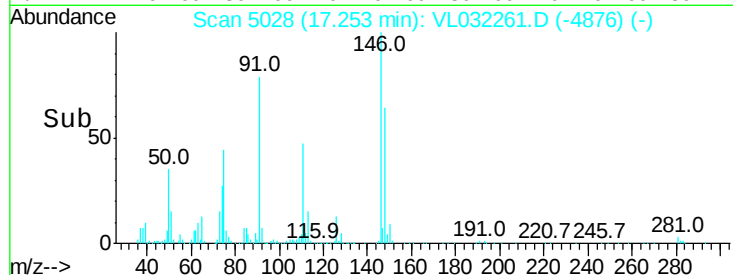
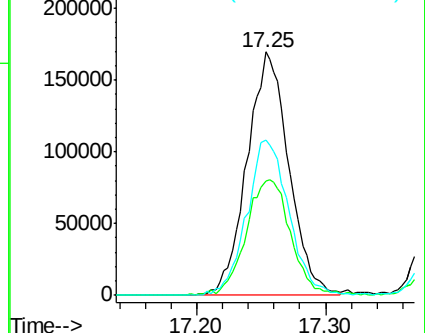
148 64.7 31.8 95.3



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



#76

1,4-Dichlorobenzene

Concen: 0.597 ppbv

RT: 17.39 min Scan# 5072

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

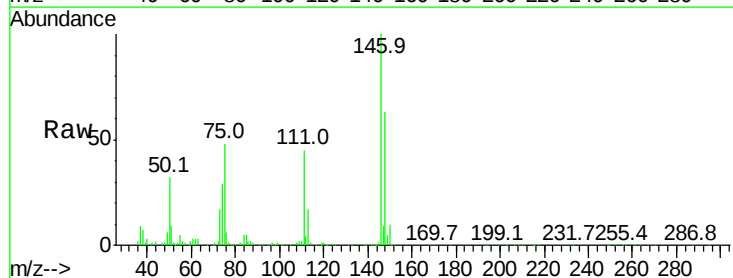
Tgt Ion:146 Resp: 190577

Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.2#

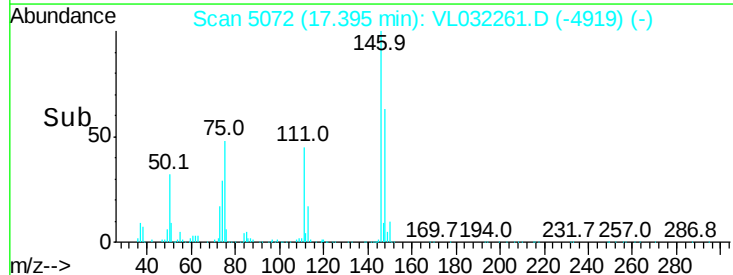
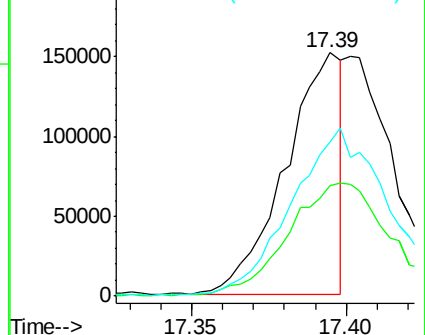
148 0.0 31.9 95.9#

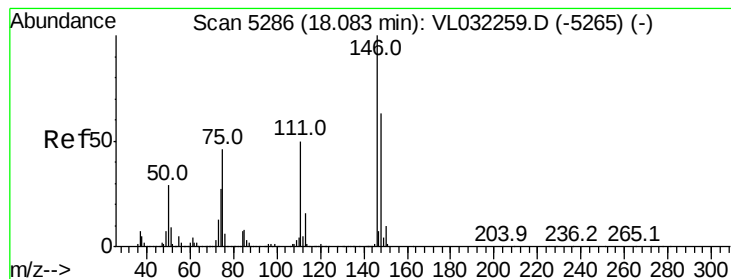


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 1.077 ppbv

RT: 18.08 min Scan# 5284

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

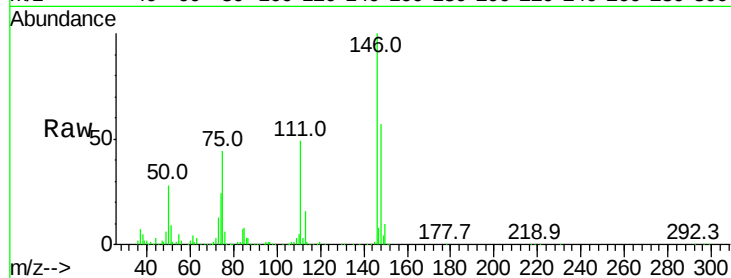
Tgt Ion:146 Resp: 348821

Ion Ratio Lower Upper

146 100

111 50.2 25.6 76.8

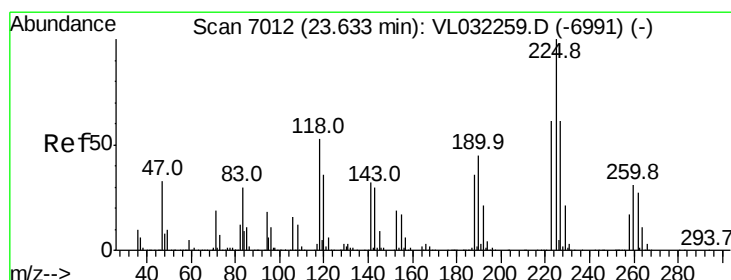
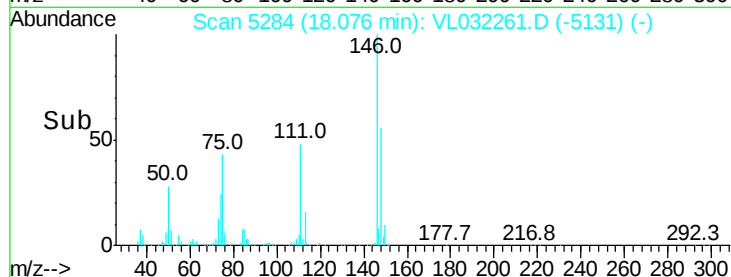
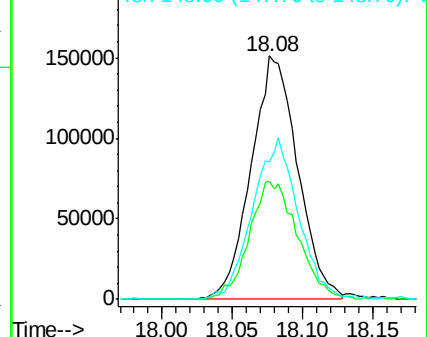
148 65.7 31.9 95.5



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



#78

Hexachloro-1,3-Butadiene

Concen: 1.229 ppbv

RT: 23.62 min Scan# 7009

Delta R.T. -0.01 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

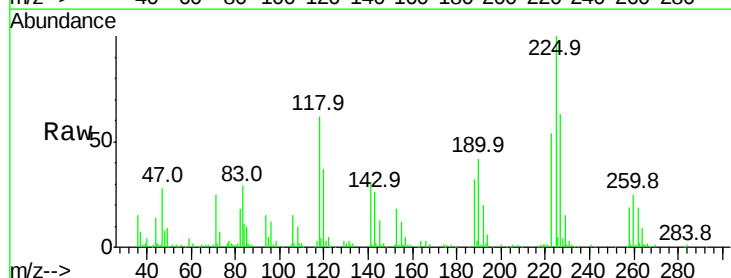
Tgt Ion:225 Resp: 124056

Ion Ratio Lower Upper

225 100

223 61.7 50.6 75.8

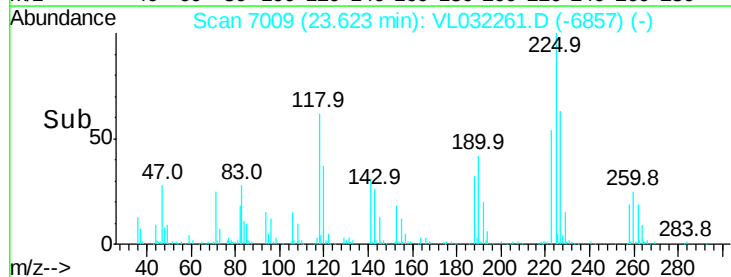
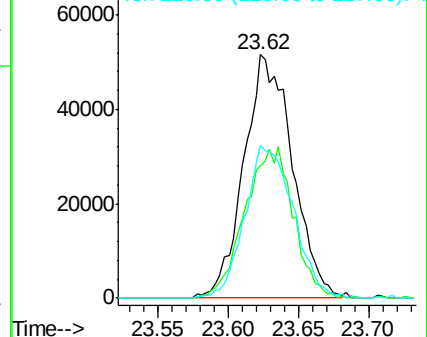
227 62.4 51.5 77.3

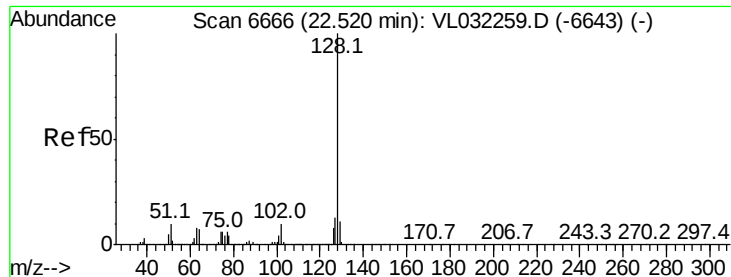


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.714 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

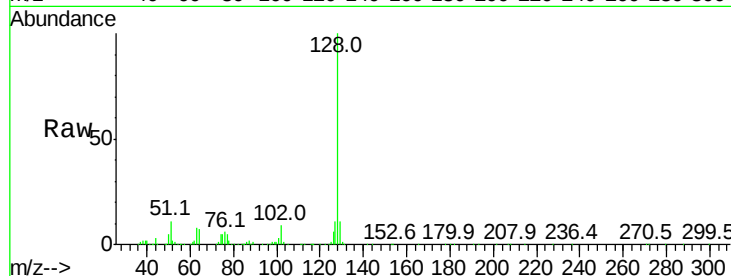
Tgt Ion:128 Resp: 261867

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

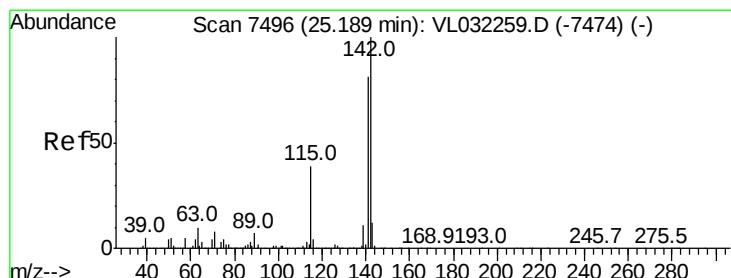
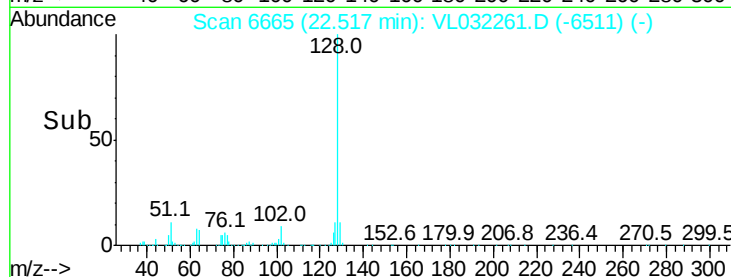
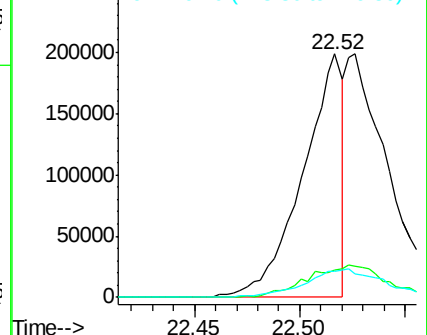
129 10.9 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.658 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. -0.00 min

Lab File: VL032261.D

Acq: 18 Jul 2018 10:38

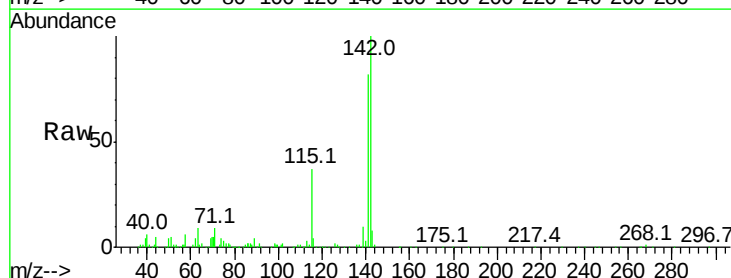
Tgt Ion:142 Resp: 194307

Ion Ratio Lower Upper

142 100

141 86.6 67.1 100.7

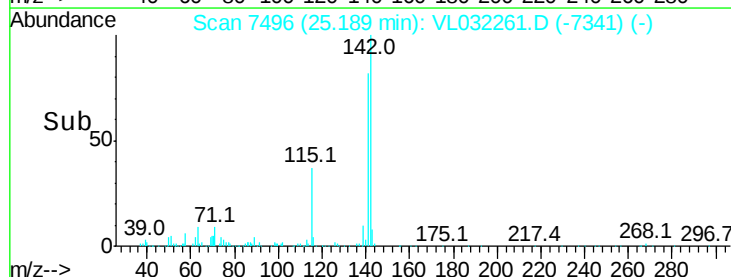
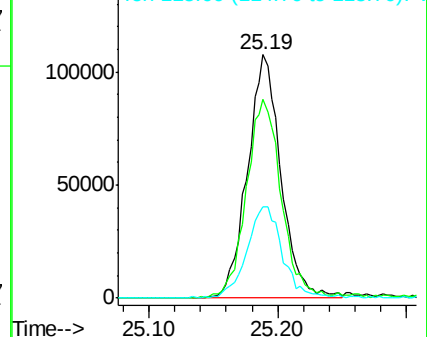
115 40.5 32.5 48.7

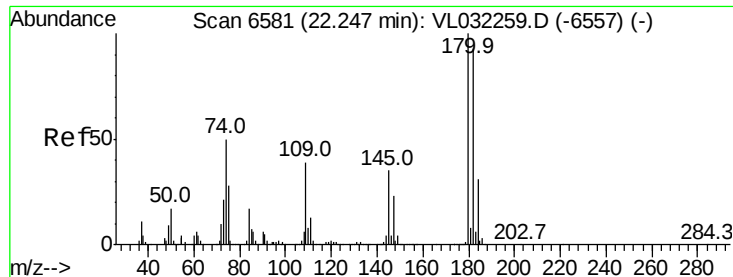


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.982 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. -0.00 min
 Lab File: VL032261.D
 Acq: 18 Jul 2018 10:38

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180 Resp: 180363
 Ion Ratio Lower Upper
 180 100
 182 142.2 76.6 114.8#
 184 45.8 24.4 36.6#

