

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071218\
 Data File : VL032231.D
 Acq On : 12 Jul 2018 20:07
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jul 13 03:38:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 03:36:40 2018
 QLast Update : Fri Jul 13 03:36:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	2010849	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4061838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4637201	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3691105	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.13	85	188147	0.691	ppbv	95
3) Chlorodifluoromethane	3.07	51	126326	0.501	ppbv	98
4) Chloromethane	3.22	50	79284	0.581	ppbv	99
5) Vinyl Chloride	3.35	62	78680	0.579	ppbv #	88
6) Bromomethane	3.57	94	19161	0.247	ppbv	89
7) Chloroethane	3.66	64	24890	0.515	ppbv #	83
8) Dichlorotetrafluoroethane	3.27	85	194548	0.641	ppbv	99
9) Propene	3.09	41	54269	0.469	ppbv	98
10) Heptane	8.33	43	130055	0.391	ppbv	96
11) Trichlorofluoromethane	4.07	101	156761	0.551	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.62	101	98673	0.524	ppbv	97
13) Ethanol	3.72	45	6877	0.200	ppbv #	36
14) Bromoethene	3.85	108	45332	0.507	ppbv	100
15) Acetone	3.97	43	134853	0.577	ppbv	95
16) 1,3-Butadiene	3.42	39	62256	0.535	ppbv	95
17) tert-Butyl alcohol	4.45	59	55413	0.388	ppbv #	91
18) 1,1-Dichloroethene	4.42	96	44317	0.496	ppbv	96
19) Isopropyl Alcohol	4.11	45	85661	0.454	ppbv #	91
20) Methylene Chloride	4.48	84	46165	0.543	ppbv	96
21) Allyl Chloride	4.54	41	68871	0.438	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	37687	0.399	ppbv	88
23) Vinyl Acetate	5.23	43	174678	0.411	ppbv #	98
24) 1,1-Dichloroethane	5.16	63	134951	0.490	ppbv	96
25) Ethyl Acetate	5.85	43	234047	0.482	ppbv	98
26) Hexane	5.86	57	106253	0.474	ppbv	95
27) Carbon Disulfide	4.69	76	85705	0.393	ppbv #	84
28) Methyl tert-Butyl Ether	5.20	73	148871	0.381	ppbv	97
29) Chloroform	5.92	83	174566	0.534	ppbv	99
30) Cyclohexane	7.33	84	39464	0.184	ppbv #	1
31) cis-1,2-Dichloroethene	5.72	61	97539	0.433	ppbv	92
32) 1,1,1-Trichloroethane	6.70	97	150210	0.433	ppbv	98
34) 2-Butanone	5.41	43	150351	0.584	ppbv	100
35) Carbon Tetrachloride	7.22	117	93005	0.331	ppbv	98
36) Benzene	7.09	78	207676	0.520	ppbv	97
37) 1,2-Dichloroethane	6.49	62	123269	0.616	ppbv	99
38) Trichloroethene	8.05	130	48021	0.318	ppbv	88
39) 1,2-Dichloropropane	7.82	63	81936	0.525	ppbv	89
41) Tetrahydrofuran	6.25	42	33434	0.215	ppbv #	37
42) Bromodichloromethane	8.00	83	161850	0.531	ppbv	97
43) Methyl Methacrylate	8.23	69	71898	0.444	ppbv	98
44) 2,2,4-Trimethylpentane	8.08	57	357281	0.523	ppbv	98

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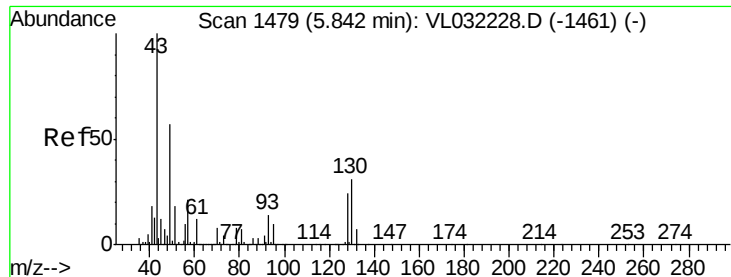
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jul 13 03:38:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) t-1,3-Dichloropropene	9.50	75	73884	0.365	ppbv #	87
46) cis-1,3-Dichloropropene	8.92	75	63130	0.259	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	100315	0.622	ppbv #	89
48) Dibromochloromethane	10.55	129	129521	0.522	ppbv	98
49) Bromoform	13.29	173	68273	0.330	ppbv #	42
50) 4-Methyl-2-Pentanone	8.98	43	243807	0.568	ppbv	100
51) 2-Hexanone	10.38	43	119055	0.335	ppbv #	62
52) Tetrachloroethene	11.46	164	79477	0.559	ppbv	84
53) Toluene	10.04	91	240367	0.510	ppbv	99
54) 1,2-Dibromoethane	10.85	107	140906	0.583	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.38	131	112693	0.546	ppbv #	1
57) Chlorobenzene	12.39	112	142952	0.358	ppbv #	86
58) Ethyl Benzene	12.96	91	340597	0.457	ppbv	95
59) m/p-Xylene	13.24	91	285336	0.477	ppbv #	30
60) o-Xylene	13.94	91	296598	0.498	ppbv	98
61) Styrene	13.78	104	193290	0.401	ppbv	99
62) Isopropylbenzene	14.92	105	418893	0.461	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.93	83	250816	0.540	ppbv	100
64) n-propylbenzene	15.81	120	62191	0.264	ppbv #	1
65) tert-Butylbenzene	17.00	119	349431	0.439	ppbv	96
66) Benzyl Chloride	17.25	91	119799	0.248	ppbv	98
67) sec-Butylbenzene	17.56	105	493564	0.422	ppbv	99
69) p-Isopropyltoluene	17.91	119	376026	0.403	ppbv	98
70) n-Butylbenzene	18.81	91	418826	0.425	ppbv	95
71) 2-Chlorotoluene	15.71	91	316839	0.449	ppbv	98
72) 4-Ethyltoluene	16.09	105	303994	0.397	ppbv	97
73) 1,3,5-Trimethylbenzene	16.25	105	282240	0.392	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	312953	0.430	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	196693	0.478	ppbv	98
76) 1,4-Dichlorobenzene	17.40	146	181625	0.437	ppbv	98
77) 1,2-Dichlorobenzene	18.08	146	77467	0.189	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.63	225	40191	0.287	ppbv #	62
80) Naphthalene,2-methyl-	25.20	142	8920	0.039	ppbv	84
81) 1,2,4-Trichlorobenzene	22.25	180	50579	0.173	ppbv #	57

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.01 min

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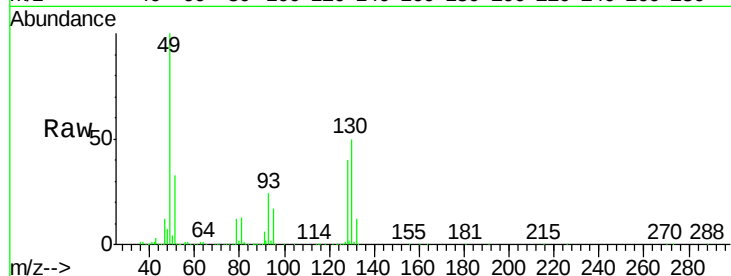
Tgt Ion: 49 Resp: 2010849

Ion Ratio Lower Upper

49 100

128 41.7 20.9 62.8

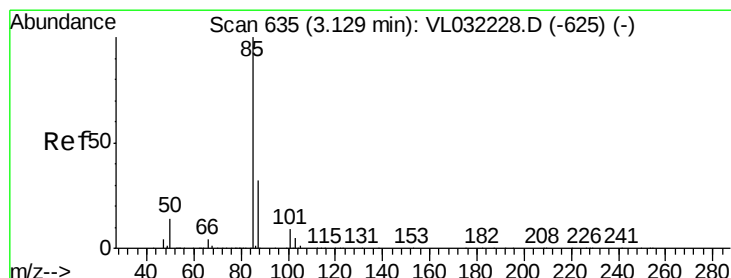
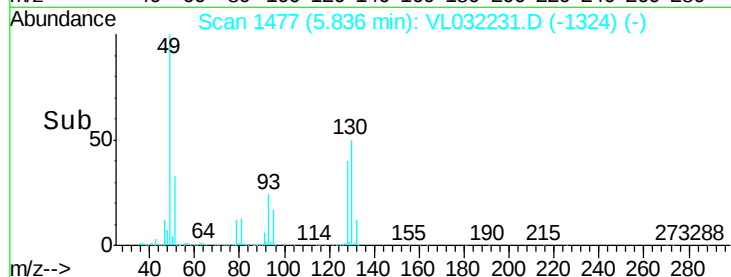
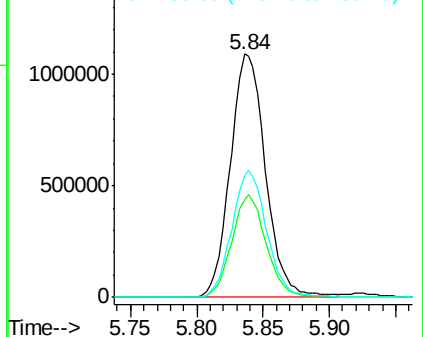
130 52.3 27.0 81.0



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: 0.691 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032231.D

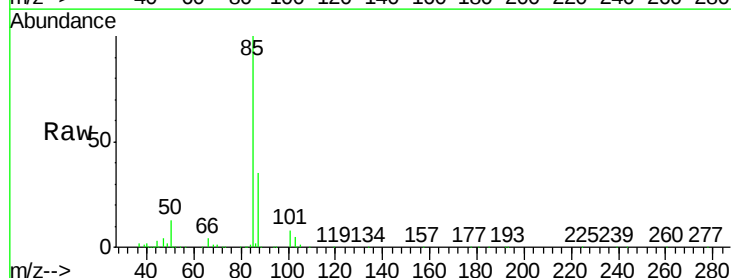
Acq: 12 Jul 2018 20:07

Tgt Ion: 85 Resp: 188147

Ion Ratio Lower Upper

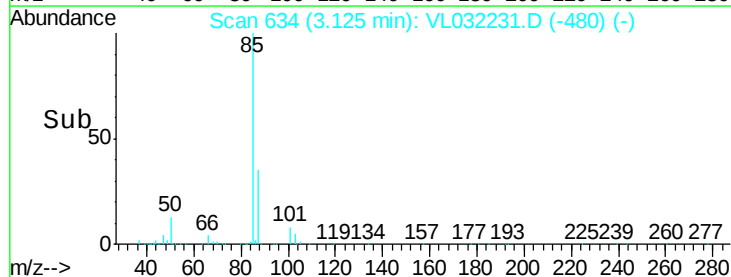
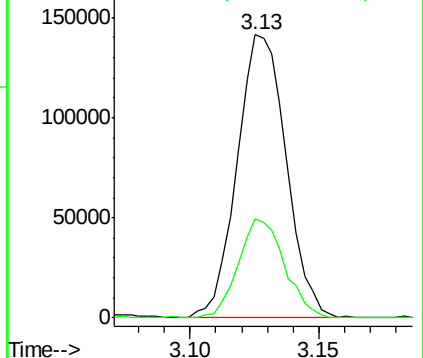
85 100

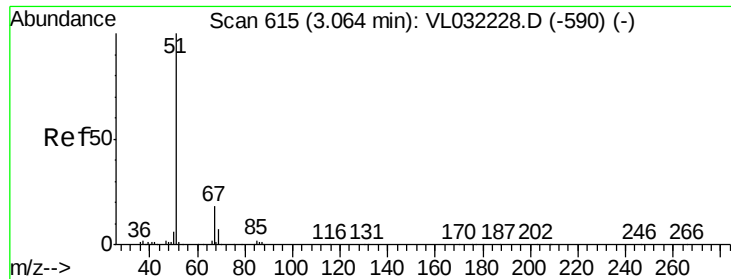
87 35.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

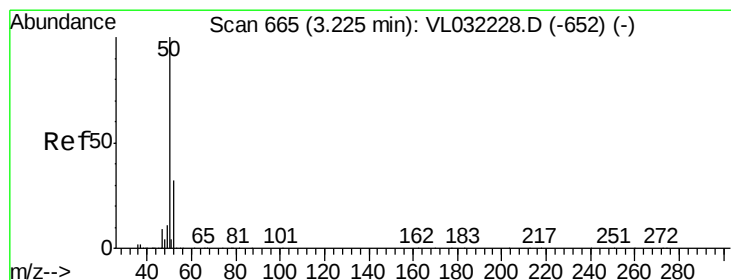
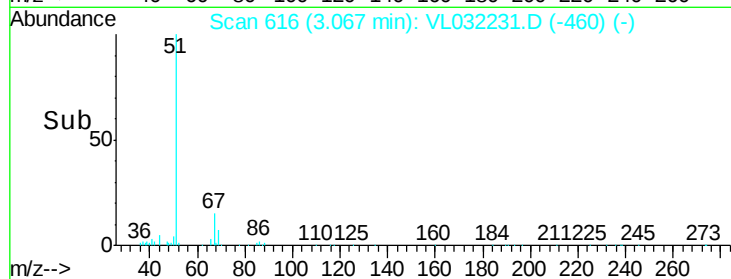
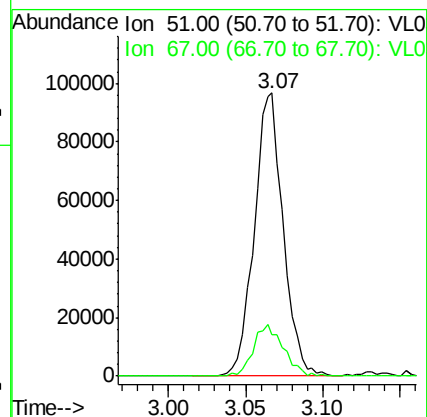
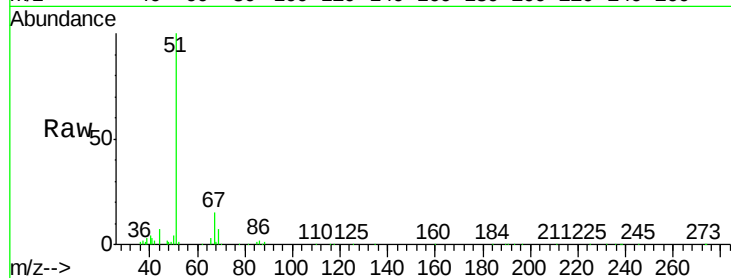




#3
 Chlorodifluoromethane
 Concen: 0.501 ppbv
 RT: 3.07 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

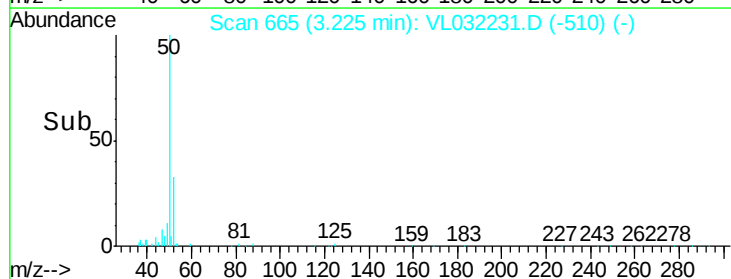
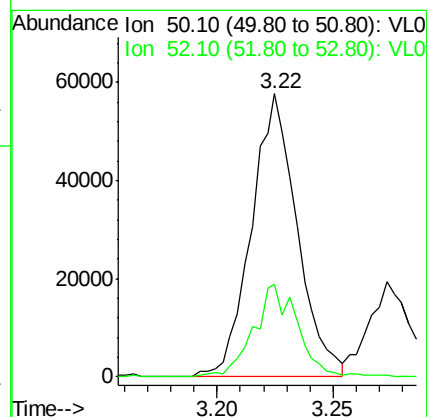
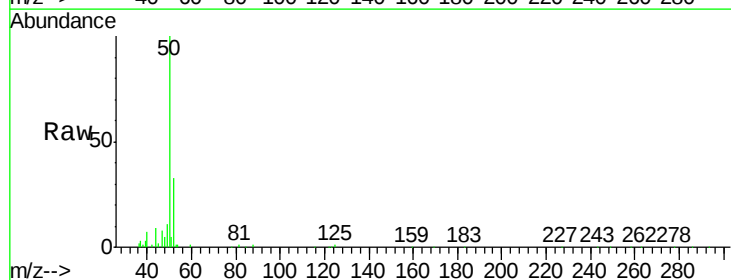
Instrument :
 MSVOA_L
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 VSTDIC0.5

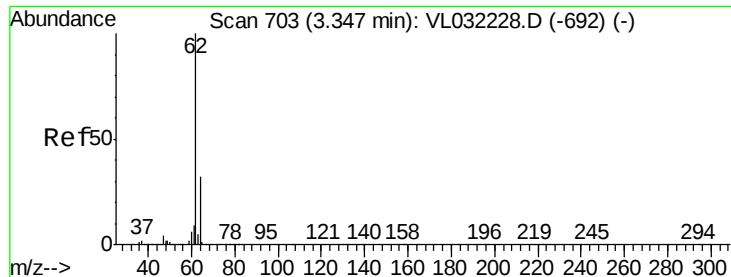
Tgt Ion: 51 Resp: 126326
 Ion Ratio Lower Upper
 51 100
 67 19.0 14.6 22.0



#4
 Chloromethane
 Concen: 0.581 ppbv
 RT: 3.22 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 50 Resp: 79284
 Ion Ratio Lower Upper
 50 100
 52 32.7 25.7 38.5





#5

Vinyl Chloride

Concen: 0.579 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

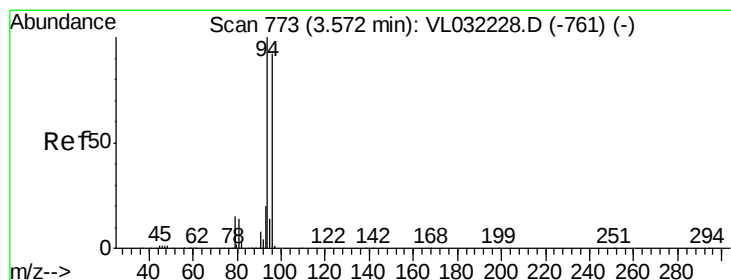
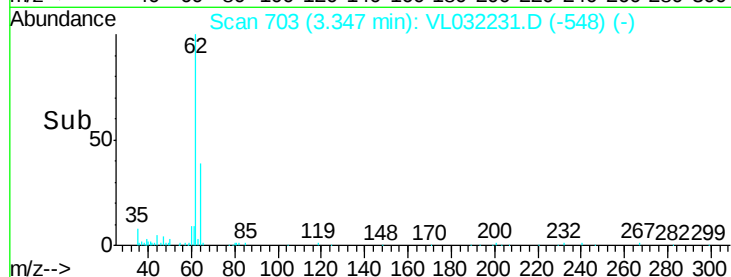
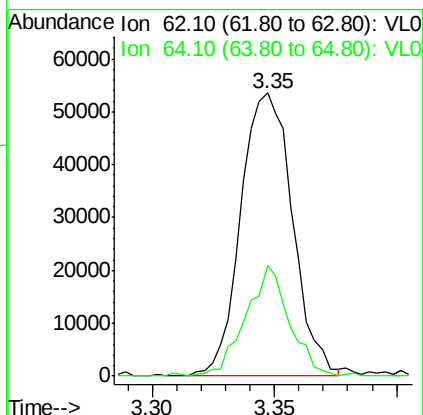
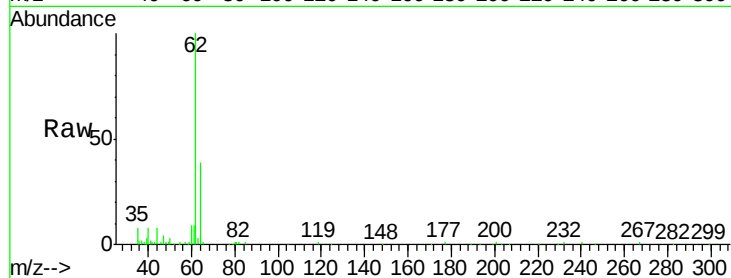
VSTDIC0.5

Tgt Ion: 62 Resp: 78680

Ion Ratio Lower Upper

62 100

64 38.9 25.8 38.6#



#6

Bromomethane

Concen: 0.247 ppbv

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VL032231.D

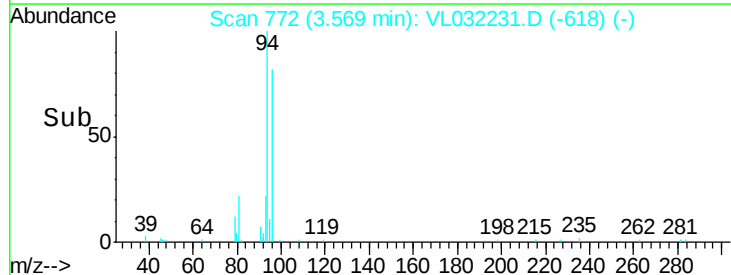
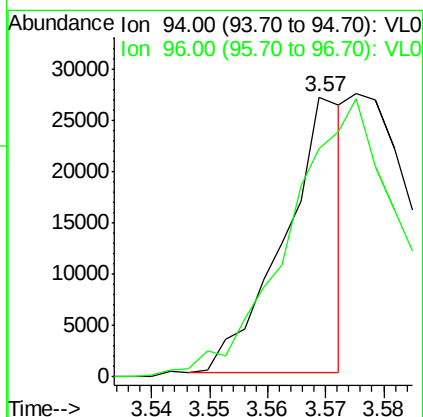
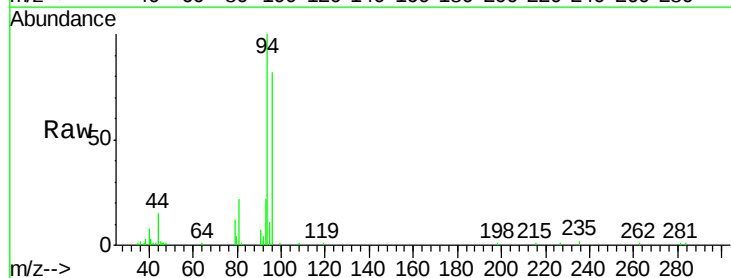
Acq: 12 Jul 2018 20:07

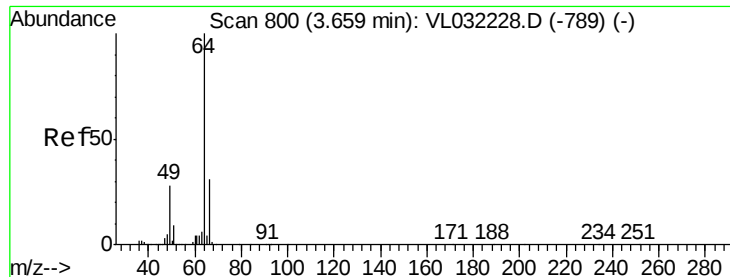
Tgt Ion: 94 Resp: 19161

Ion Ratio Lower Upper

94 100

96 81.2 73.5 110.3





#7

Chloroethane

Concen: 0.515 ppbv

RT: 3.66 min Scan# 800

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

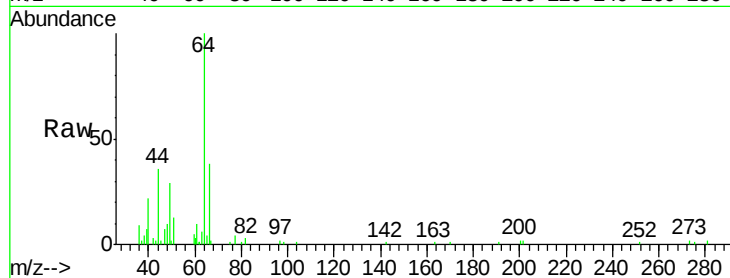
VSTDIC0.5

Tgt Ion: 64 Resp: 24890

Ion Ratio Lower Upper

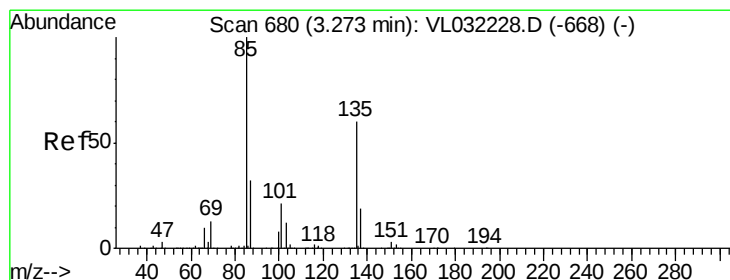
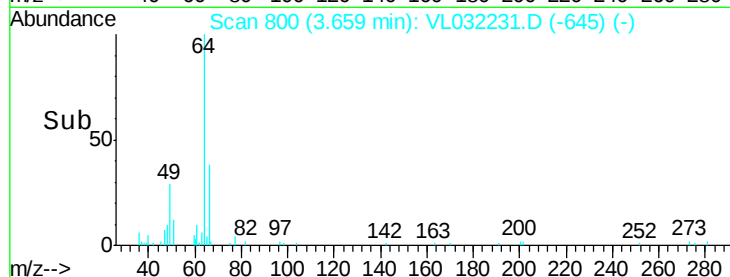
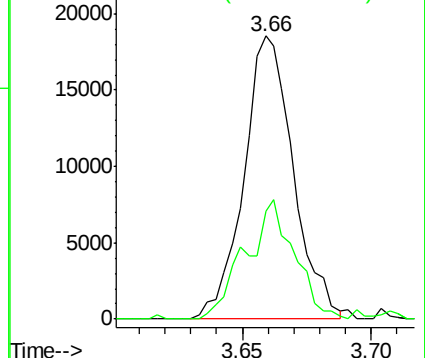
64 100

66 40.0 24.4 36.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.641 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032231.D

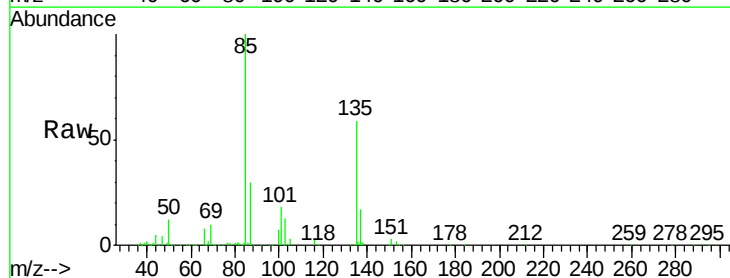
Acq: 12 Jul 2018 20:07

Tgt Ion: 85 Resp: 194548

Ion Ratio Lower Upper

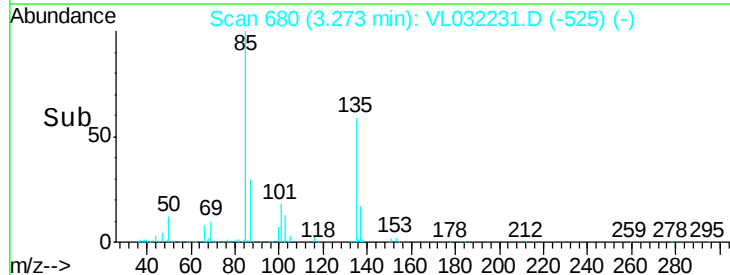
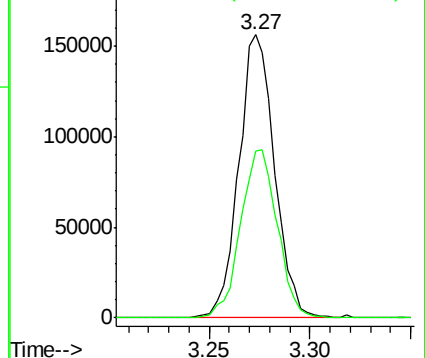
85 100

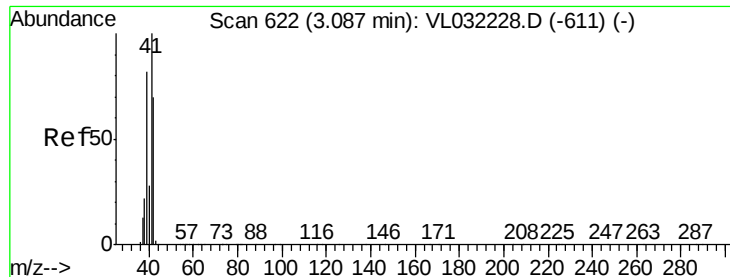
135 61.2 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.469 ppbv

RT: 3.09 min Scan# 623

Delta R.T. 0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

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ClientSampleId :

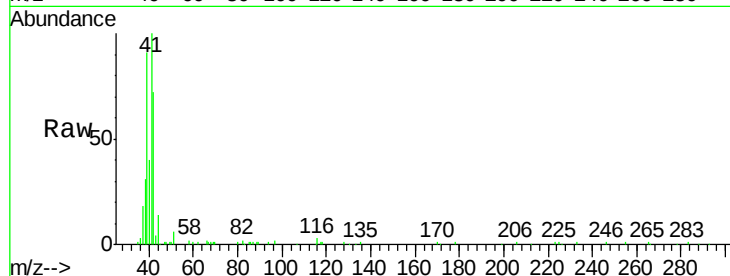
VSTDIC0.5

Tgt Ion: 41 Resp: 54269

Ion Ratio Lower Upper

41 100

42 72.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.09

40000

30000

20000

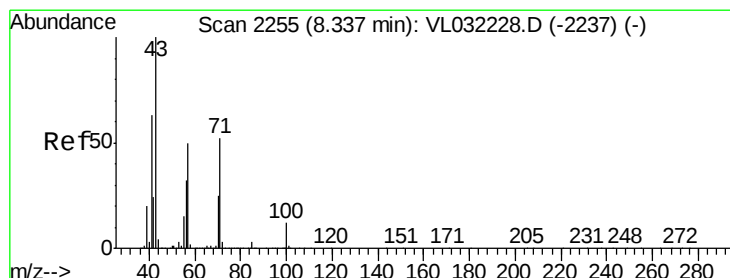
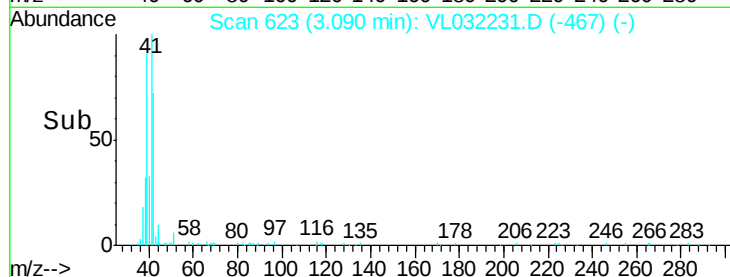
10000

0

Time-->

3.05

3.10



#10

Heptane

Concen: 0.391 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VL032231.D

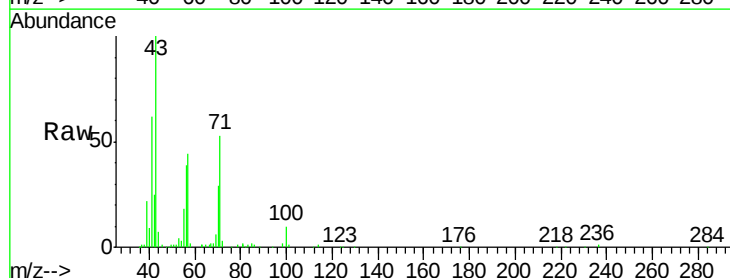
Acq: 12 Jul 2018 20:07

Tgt Ion: 43 Resp: 130055

Ion Ratio Lower Upper

43 100

57 53.8 40.7 61.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

80000

60000

40000

20000

0

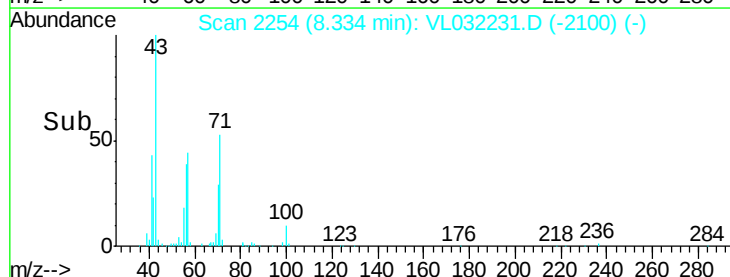
Time-->

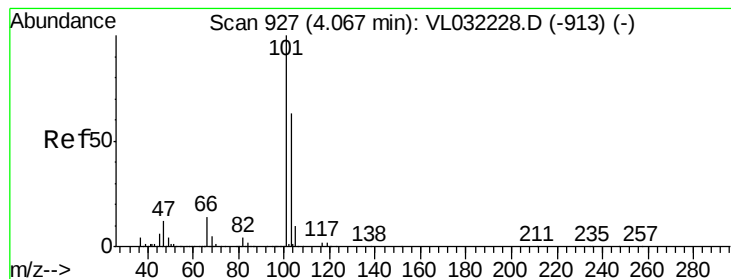
8.25

8.30

8.35

8.40





#11

Trichlorofluoromethane

Concen: 0.551 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

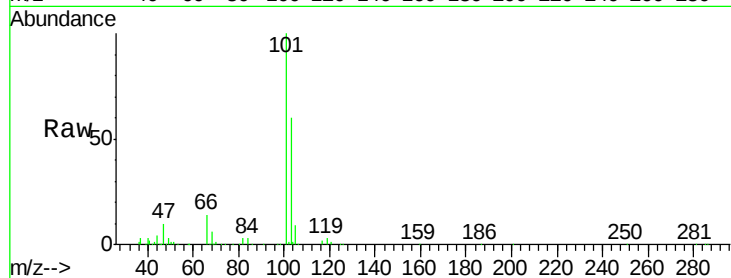
VSTDIC0.5

Tgt Ion:101 Resp: 156761

Ion Ratio Lower Upper

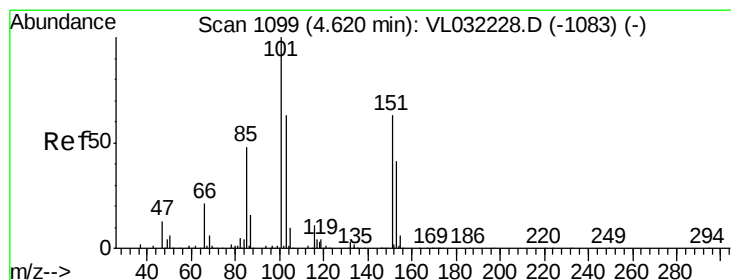
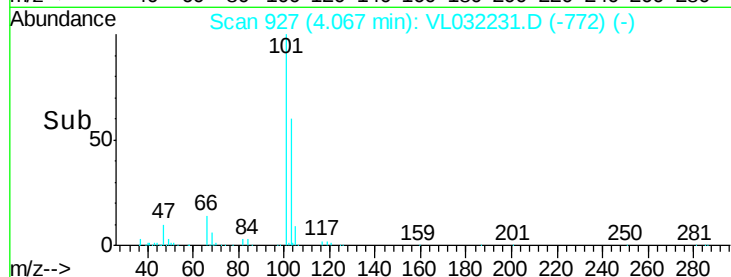
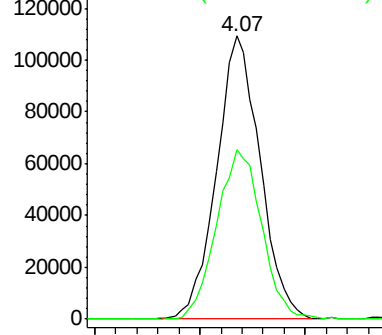
101 100

103 59.5 50.2 75.2



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: 0.524 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032231.D

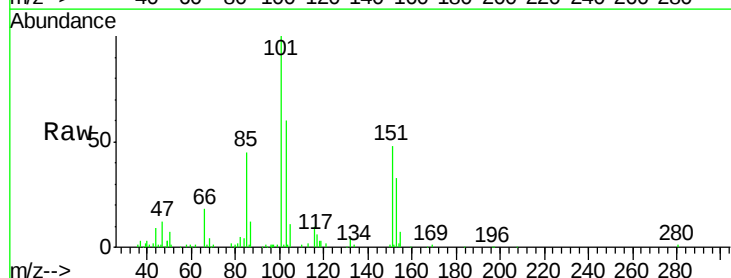
Acq: 12 Jul 2018 20:07

Tgt Ion:101 Resp: 98673

Ion Ratio Lower Upper

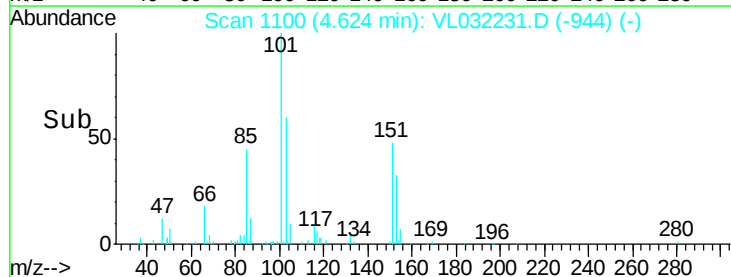
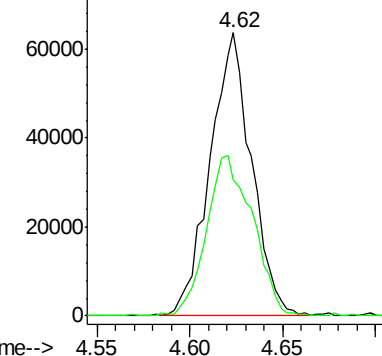
101 100

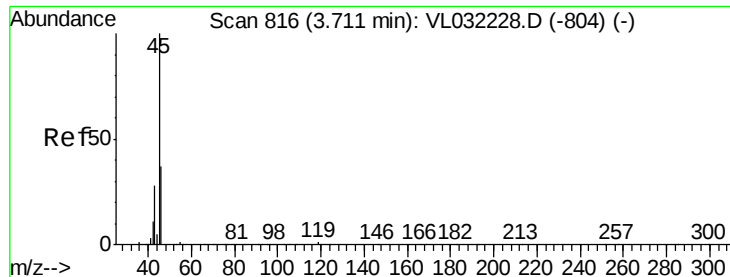
151 63.0 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.200 ppbv

RT: 3.72 min Scan# 818

Delta R.T. 0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

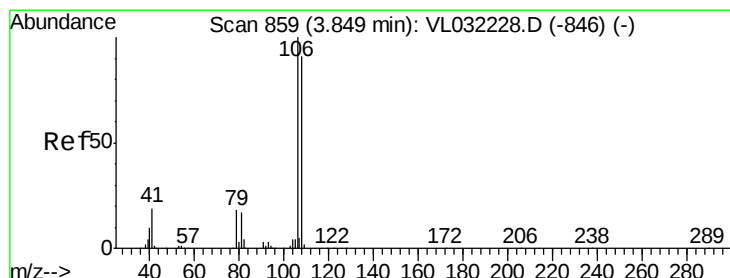
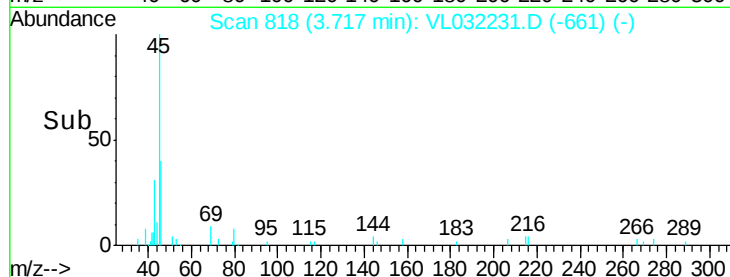
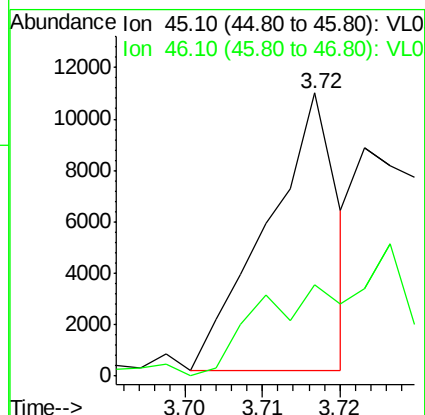
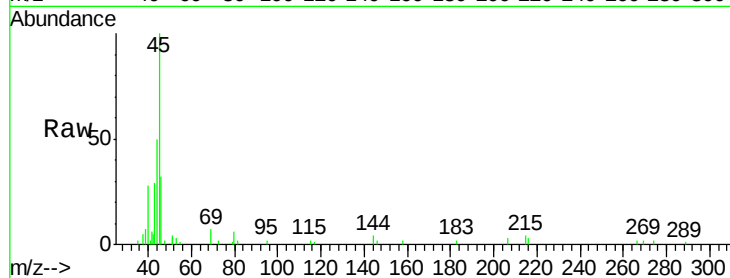
VSTDIC0.5

Tgt Ion: 45 Resp: 6877

Ion Ratio Lower Upper

45 100

46 0.0 15.5 61.9#



#14

Bromoethene

Concen: 0.507 ppbv

RT: 3.85 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

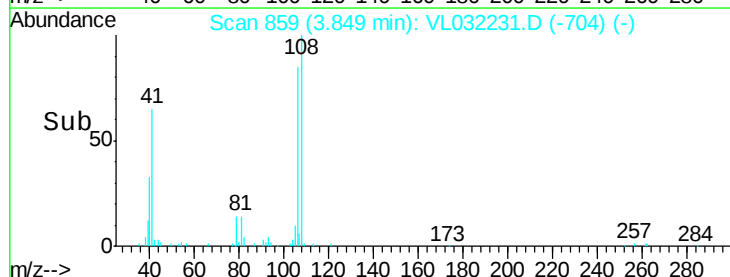
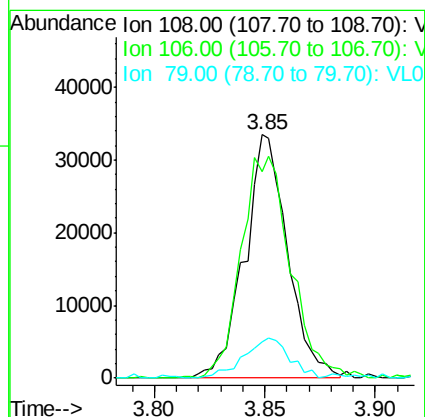
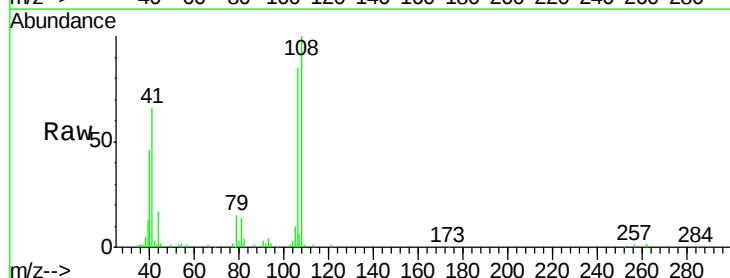
Tgt Ion: 108 Resp: 45332

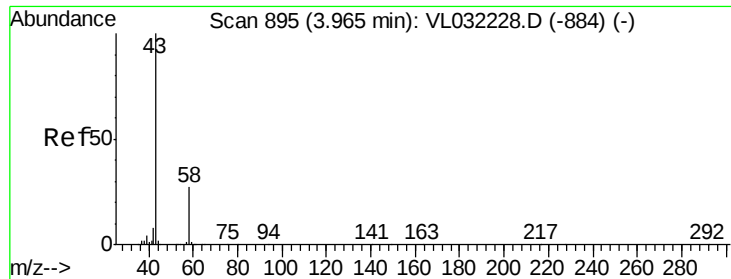
Ion Ratio Lower Upper

108 100

106 106.6 85.5 128.3

79 18.5 14.2 21.4





#15

Acetone

Concen: 0.577 ppbv

RT: 3.97 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

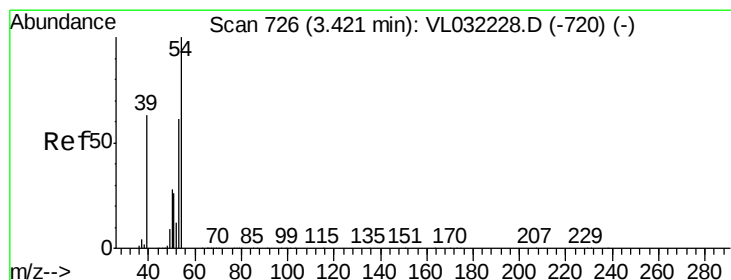
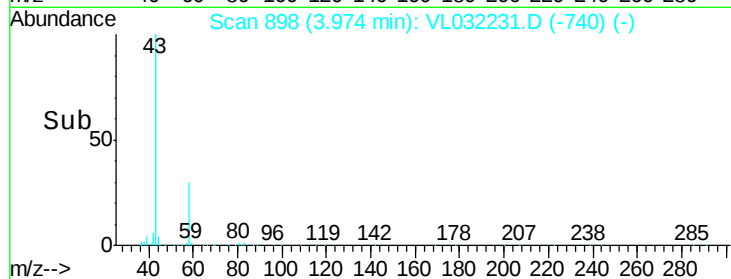
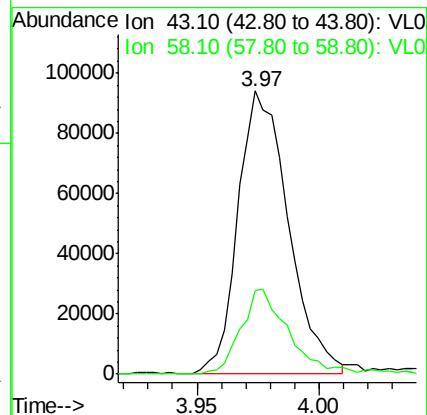
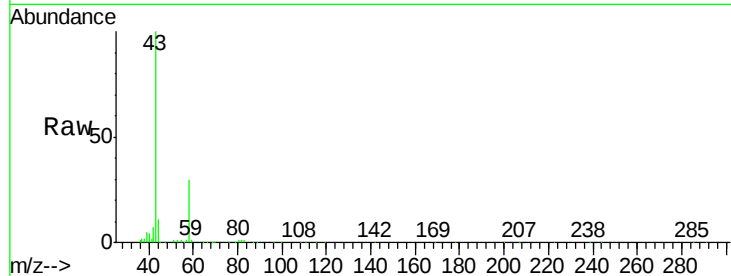
VSTDIC0.5

Tgt Ion: 43 Resp: 134853

Ion Ratio Lower Upper

43 100

58 29.3 21.5 32.3



#16

1,3-Butadiene

Concen: 0.535 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VL032231.D

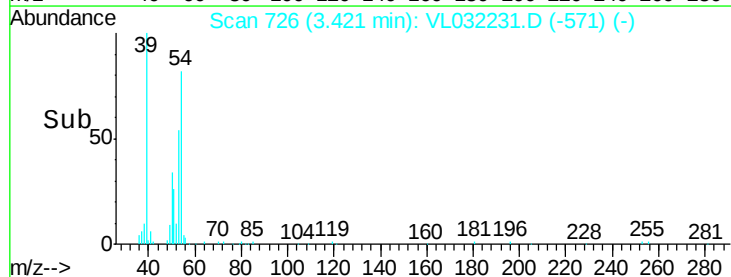
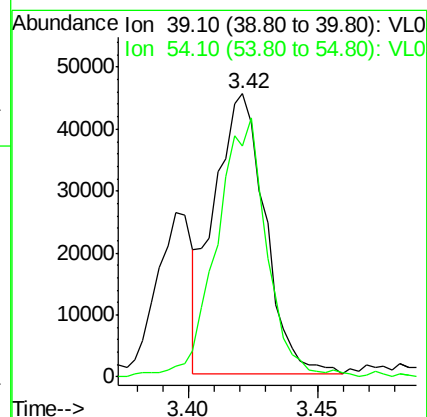
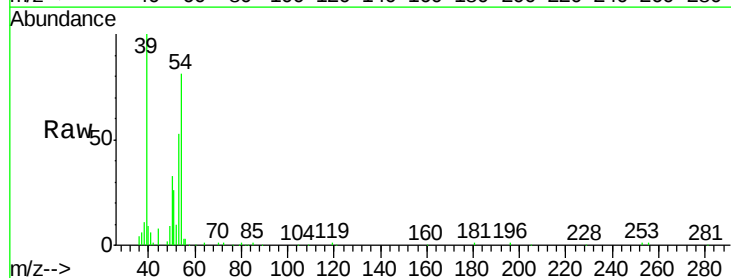
Acq: 12 Jul 2018 20:07

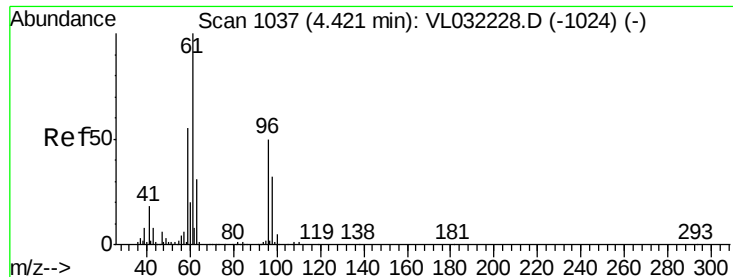
Tgt Ion: 39 Resp: 62256

Ion Ratio Lower Upper

39 100

54 92.5 70.0 105.0

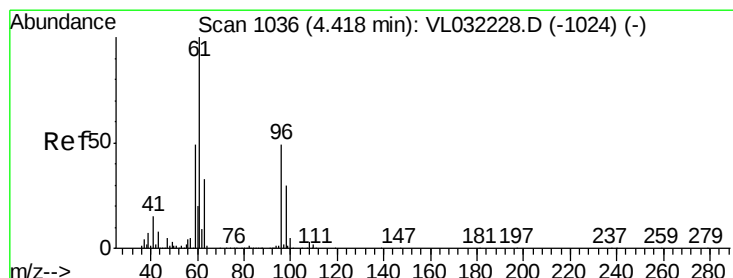
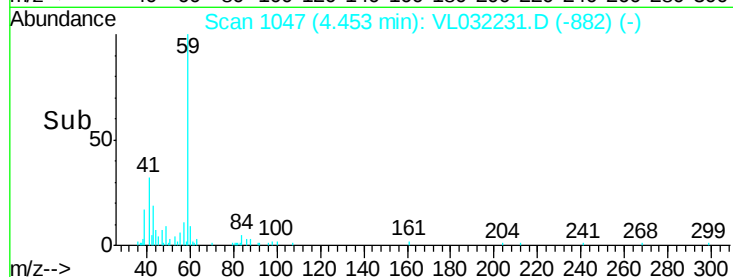
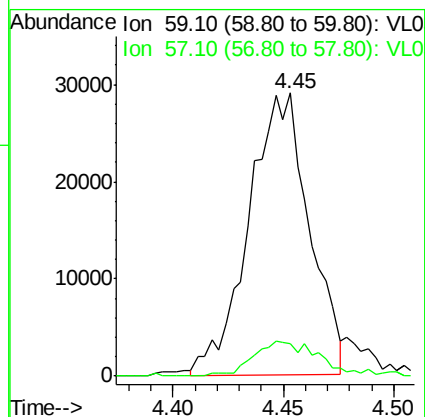
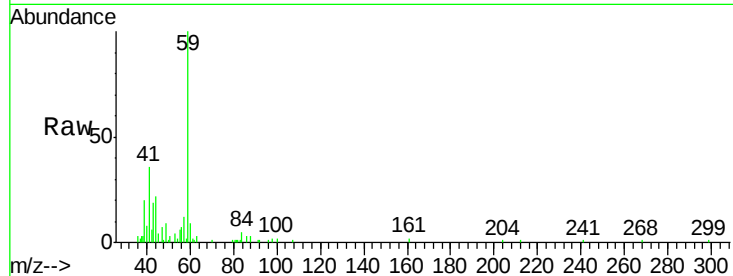




#17
 tert-Butyl alcohol
 Concen: 0.388 ppbv
 RT: 4.45 min Scan# 1047
 Delta R.T. 0.03 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

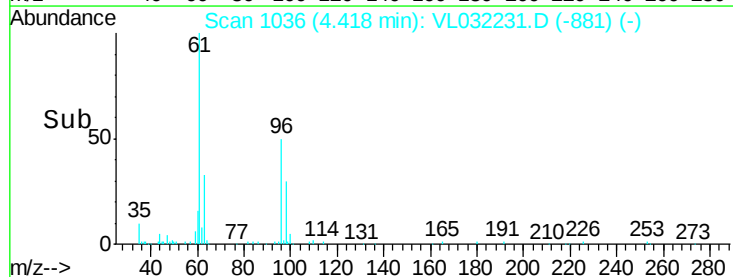
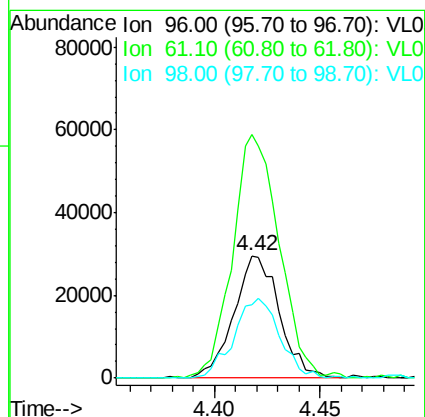
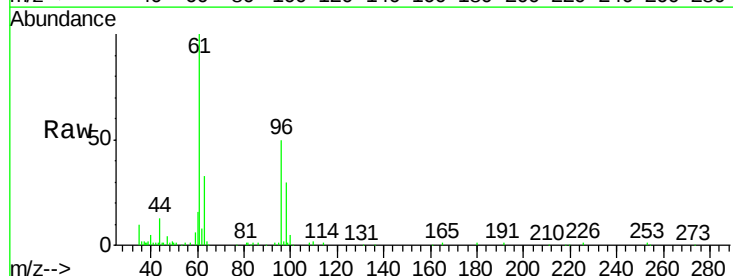
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

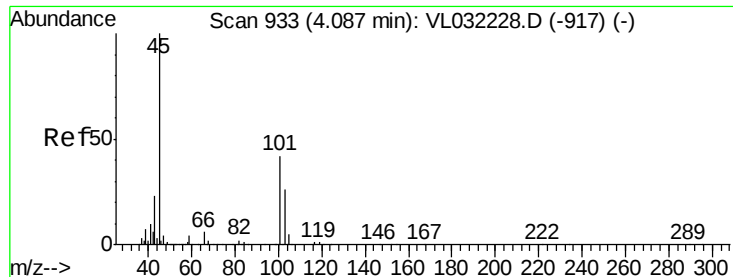
Tgt Ion: 59 Resp: 55413
 Ion Ratio Lower Upper
 59 100
 57 13.8 8.4 12.6#



#18
 1,1-Dichloroethene
 Concen: 0.496 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 96 Resp: 44317
 Ion Ratio Lower Upper
 96 100
 61 195.9 163.0 244.4
 98 60.3 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.454 ppbv

RT: 4.11 min Scan# 939

Delta R.T. 0.02 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

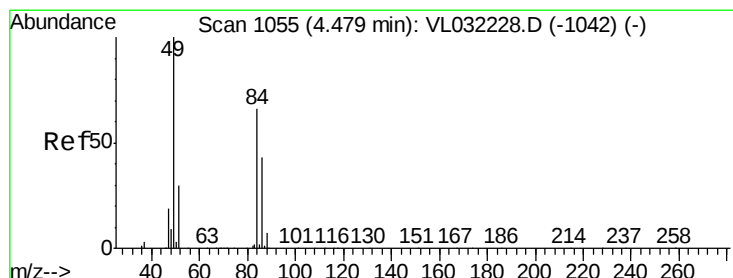
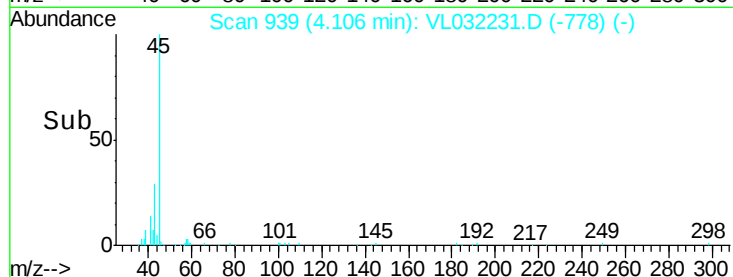
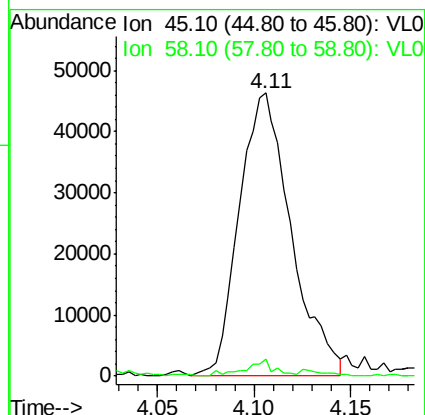
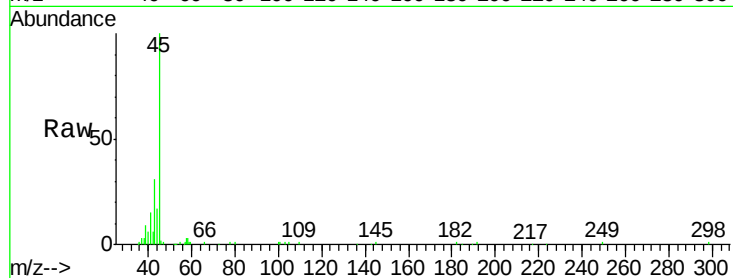
VSTDIC0.5

Tgt Ion: 45 Resp: 85661

Ion Ratio Lower Upper

45 100

58 4.8 1.3 1.9#



#20

Methylene Chloride

Concen: 0.543 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Tgt Ion: 84 Resp: 46165

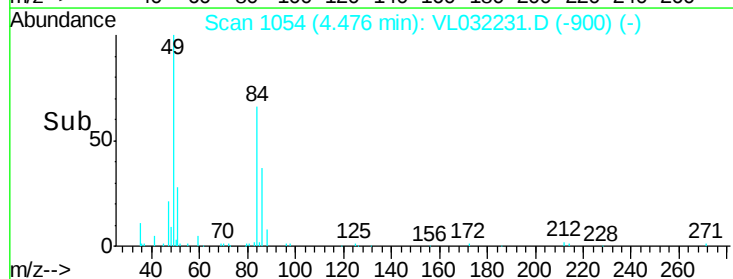
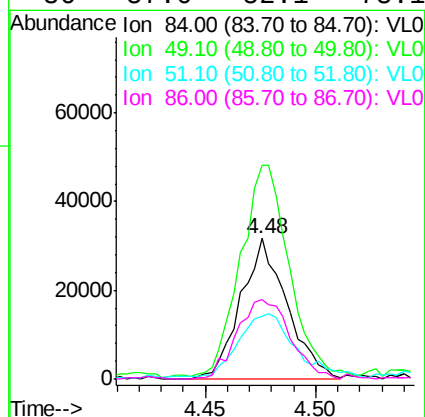
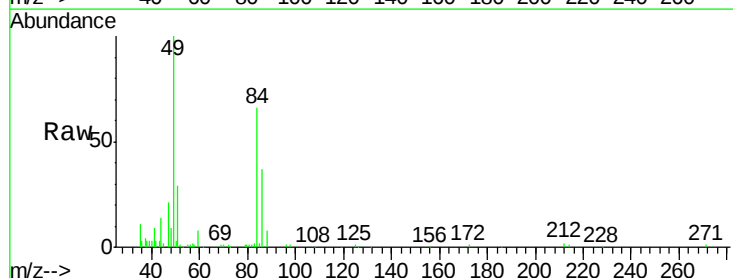
Ion Ratio Lower Upper

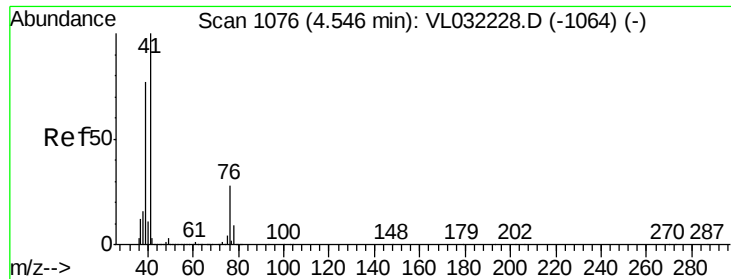
84 100

49 150.4 121.8 182.6

51 42.7 36.3 54.5

86 57.0 52.1 78.1

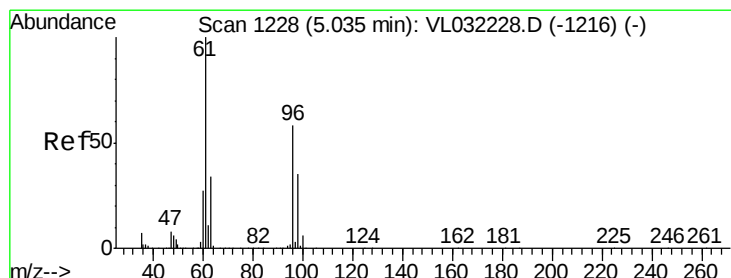
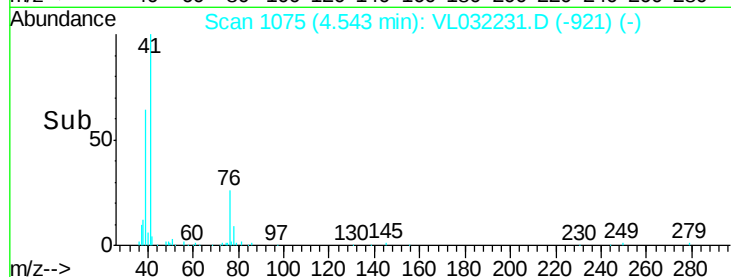
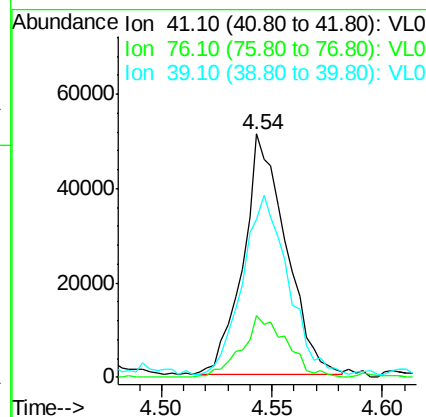
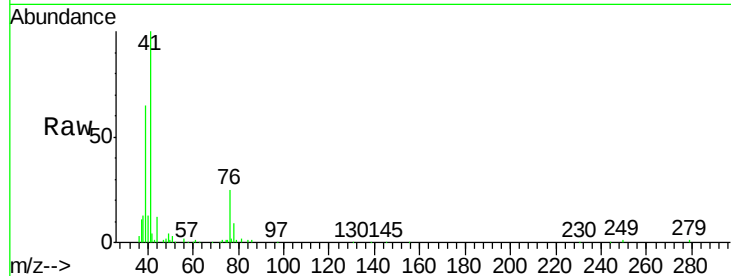




#21
 Allyl Chloride
 Concen: 0.438 ppbv
 RT: 4.54 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

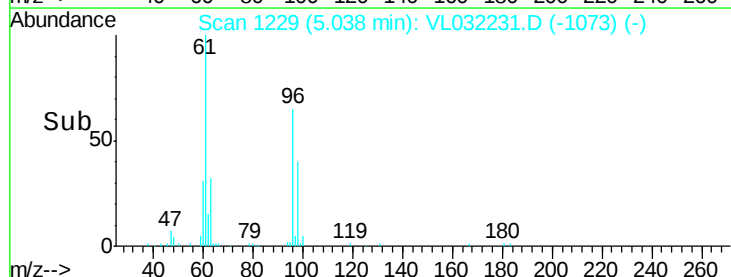
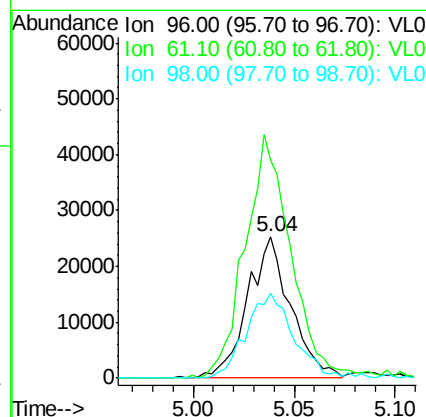
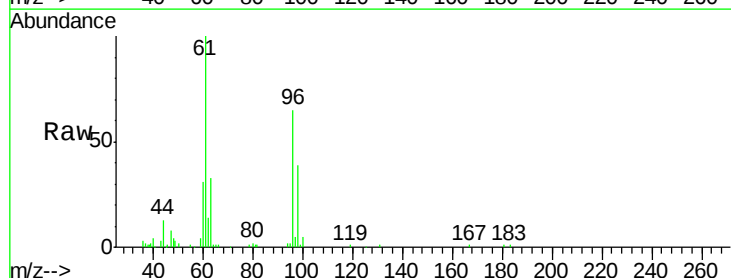
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

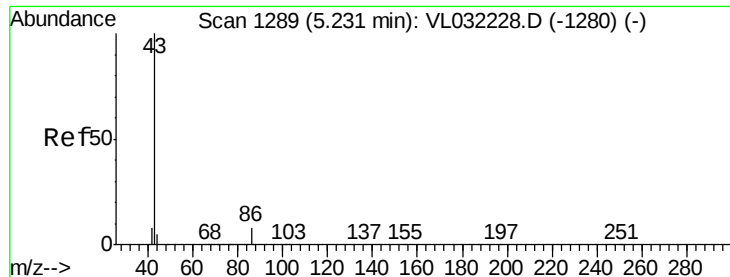
Tgt Ion: 41 Resp: 68871
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.9 34.3
 39 79.1 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 0.399 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 96 Resp: 37687
 Ion Ratio Lower Upper
 96 100
 61 152.2 139.1 208.7
 98 60.3 48.4 72.6





#23

Vinyl Acetate

Concen: 0.411 ppbv

RT: 5.23 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 174678

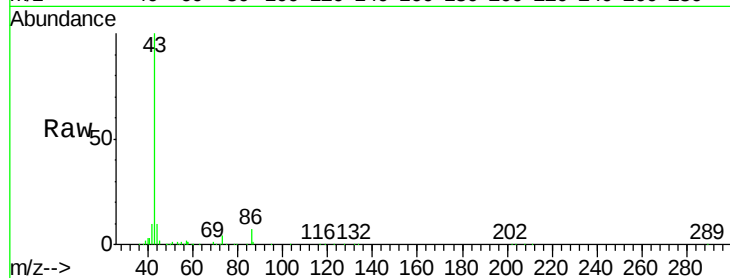
Ion Ratio Lower Upper

43 100

86 7.2 5.9 8.9

42 9.5 7.0 10.6

44 6.6 4.2 6.2#

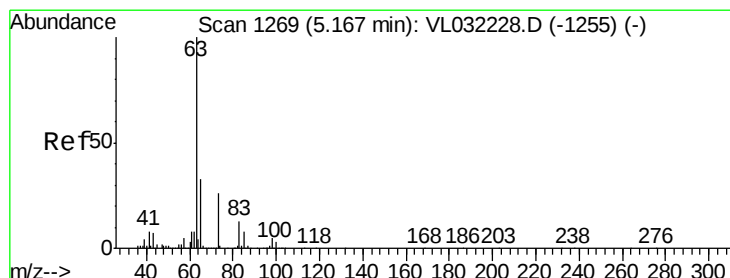
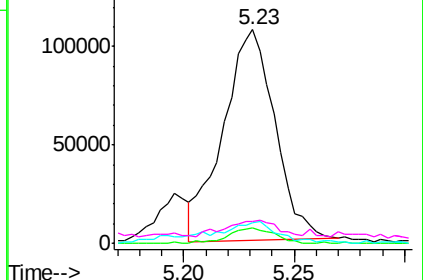
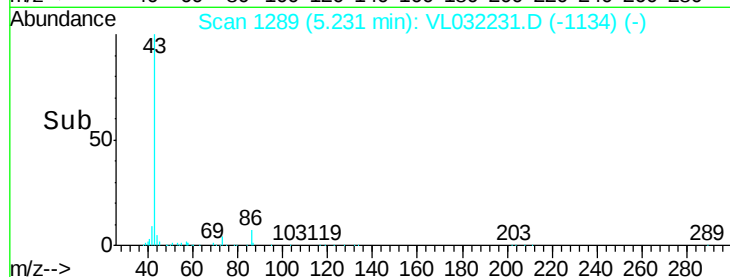


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.490 ppbv

RT: 5.16 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

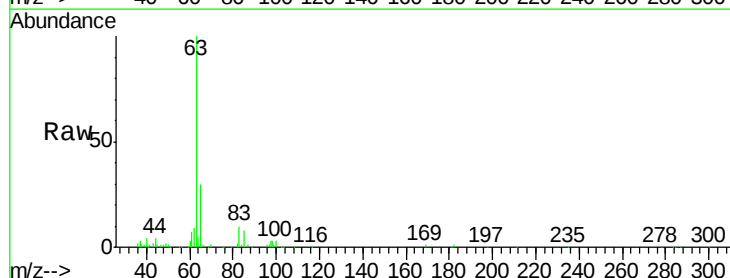
Tgt Ion: 63 Resp: 134951

Ion Ratio Lower Upper

63 100

98 6.7 2.4 7.1

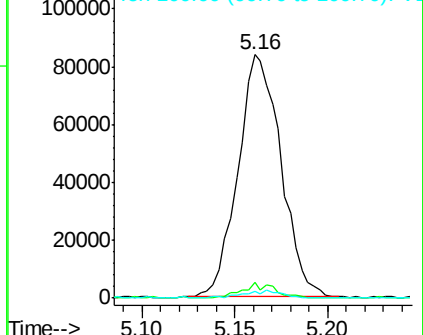
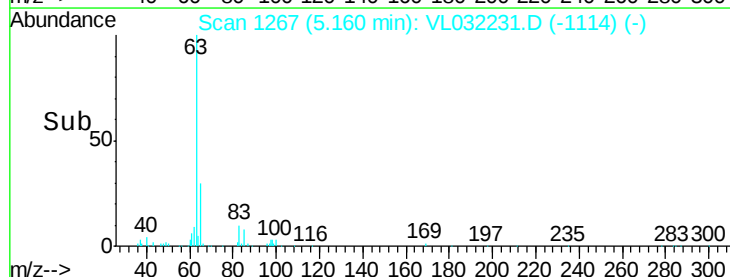
100 2.7 1.5 4.4

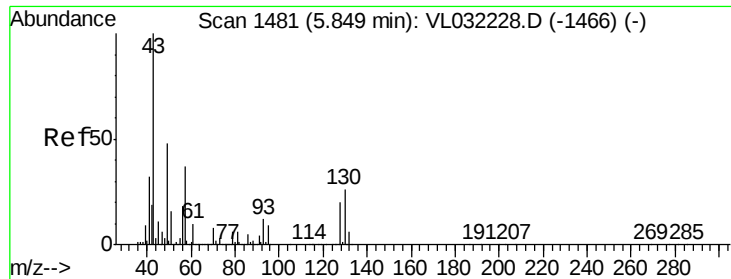


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

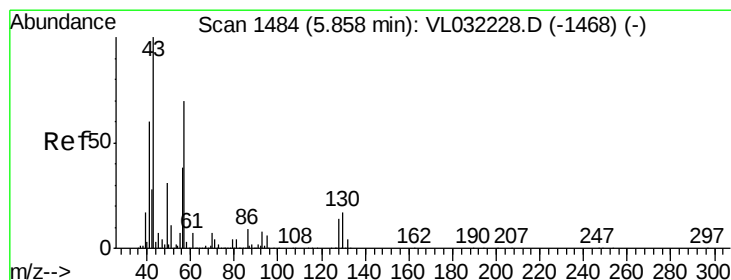
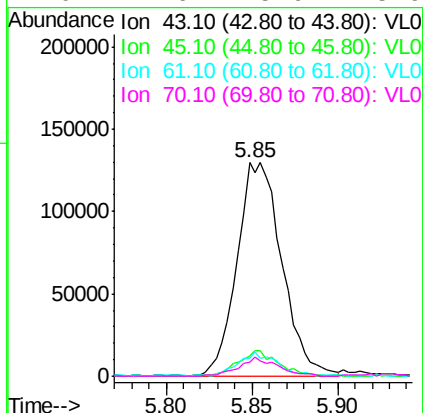
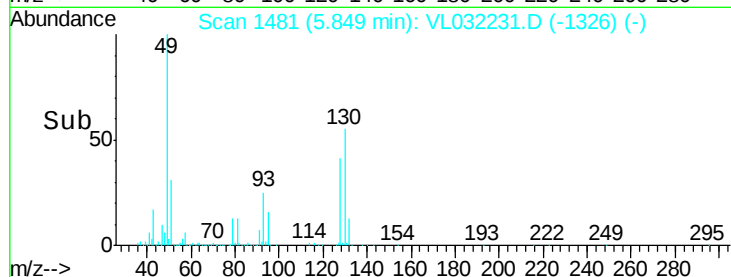
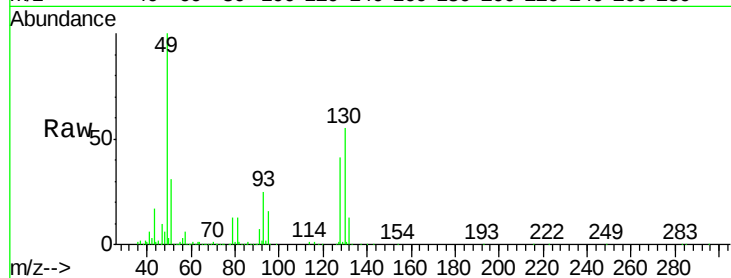




#25
Ethyl Acetate
Concen: 0.482 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

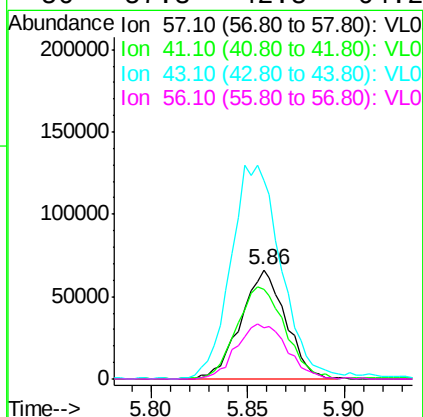
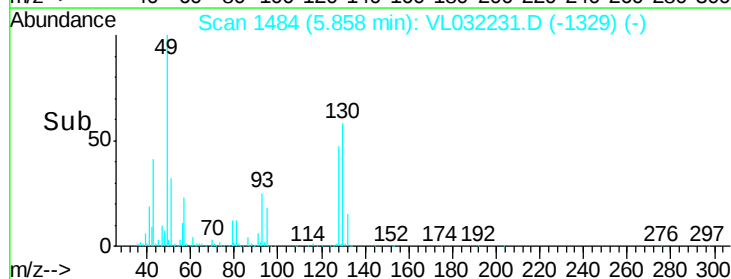
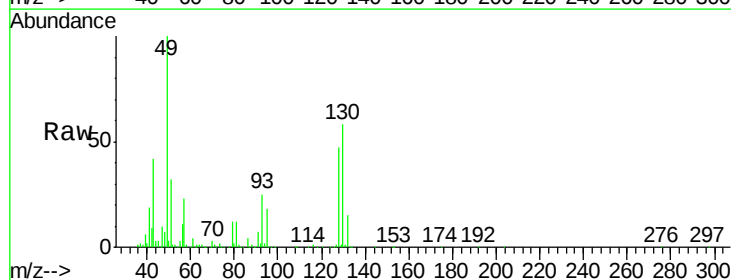
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

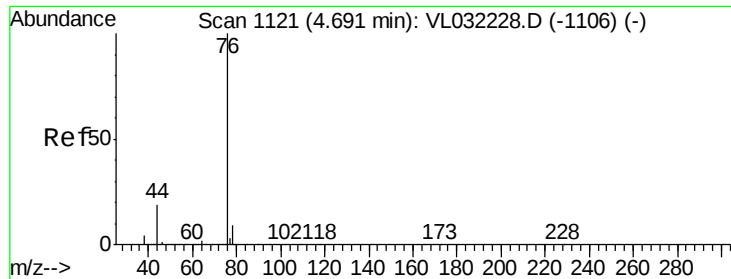
Tgt Ion:	43	Resp:	234047
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.0	12.0
61	10.0	7.7	11.5
70	7.6	5.9	8.9



#26
Hexane
Concen: 0.474 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion:	57	Resp:	106253
Ion	Ratio	Lower	Upper
57	100		
41	93.2	68.7	103.1
43	225.6	176.2	264.2
56	57.3	42.8	64.2





#27

Carbon Disulfide

Concen: 0.393 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

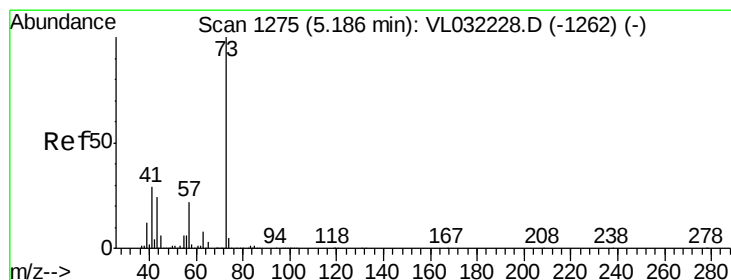
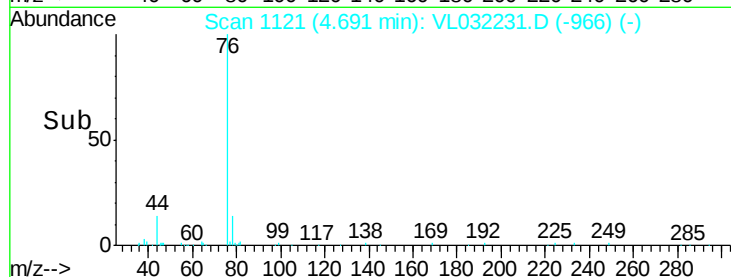
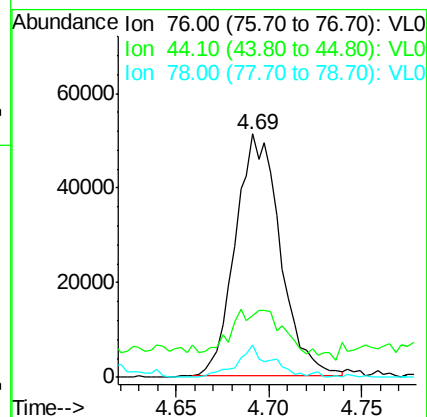
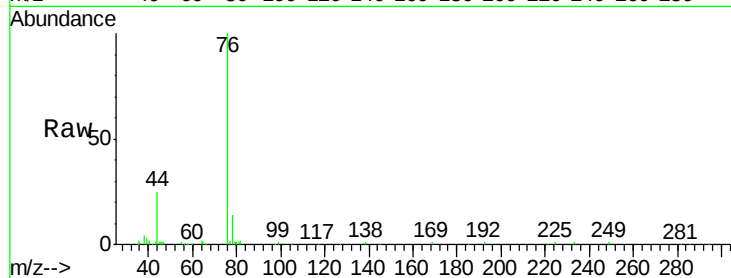
Tgt Ion: 76 Resp: 85705

Ion Ratio Lower Upper

76 100

44 28.8 15.1 22.7#

78 10.9 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 0.381 ppbv

RT: 5.20 min Scan# 1279

Delta R.T. 0.01 min

Lab File: VL032231.D

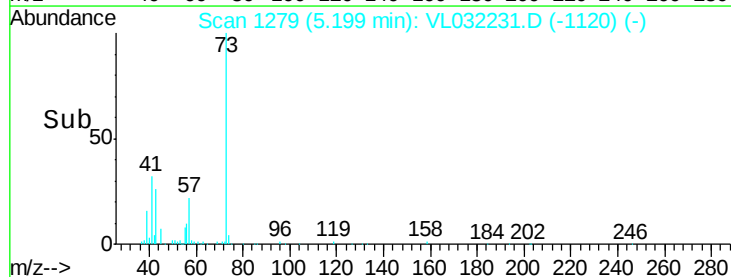
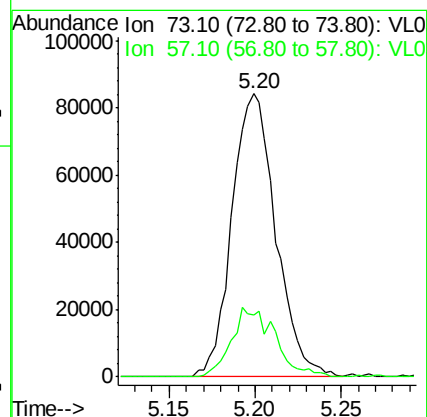
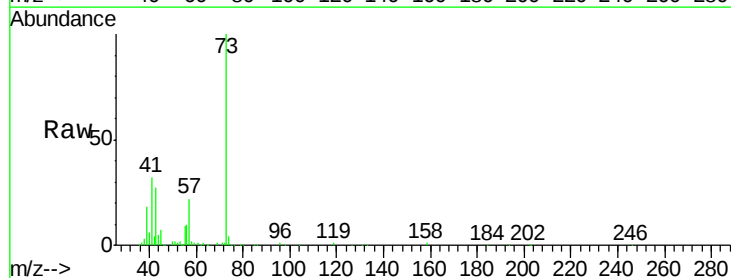
Acq: 12 Jul 2018 20:07

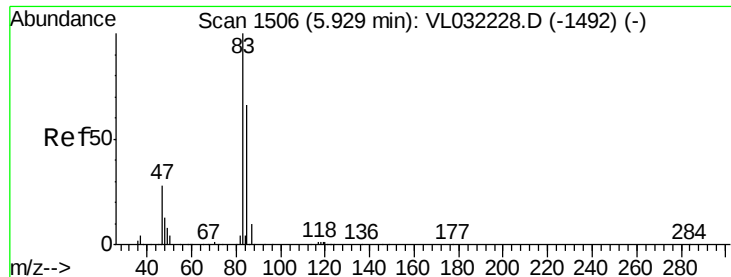
Tgt Ion: 73 Resp: 148871

Ion Ratio Lower Upper

73 100

57 24.5 18.6 27.8





#29

Chloroform

Concen: 0.534 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

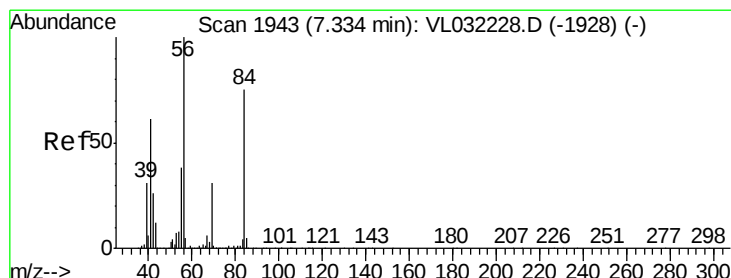
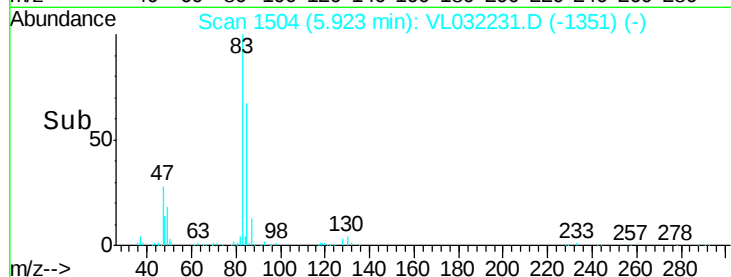
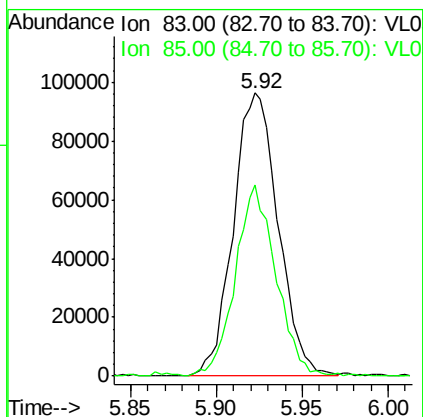
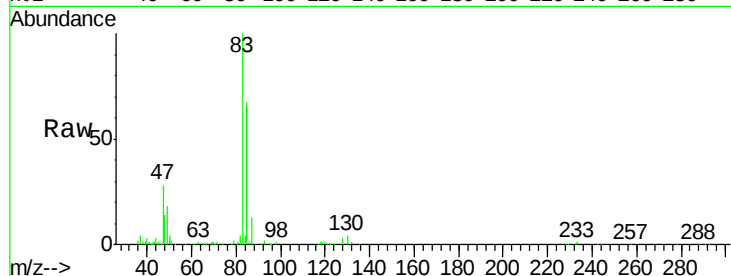
VSTDIC0.5

Tgt Ion: 83 Resp: 174566

Ion Ratio Lower Upper

83 100

85 66.9 52.7 79.1



#30

Cyclohexane

Concen: 0.184 ppbv

RT: 7.33 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

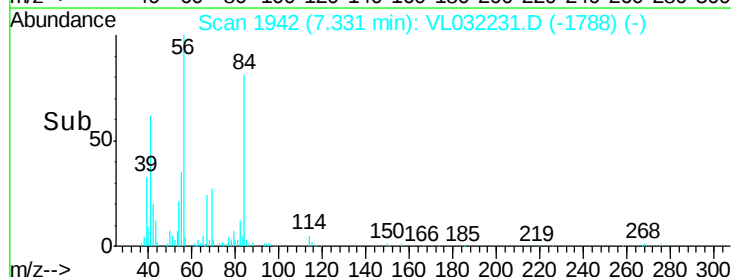
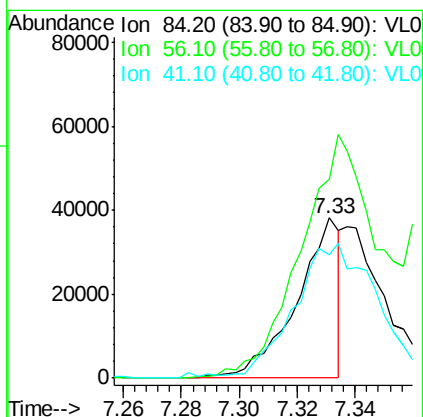
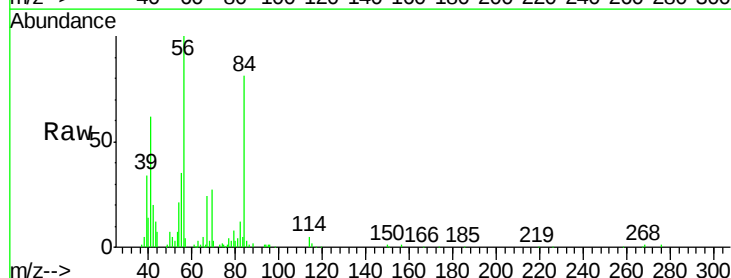
Tgt Ion: 84 Resp: 39464

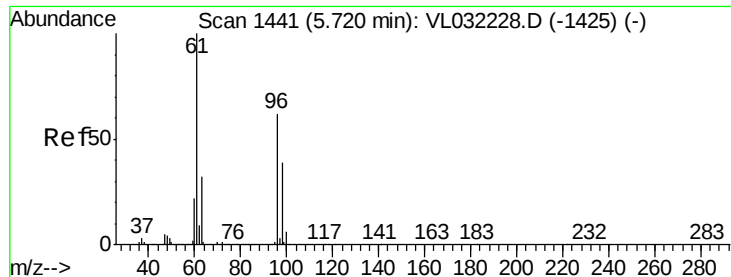
Ion Ratio Lower Upper

84 100

56 0.0 112.6 168.8#

41 0.0 67.0 100.6#





#31

cis-1,2-Dichloroethene

Concen: 0.433 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

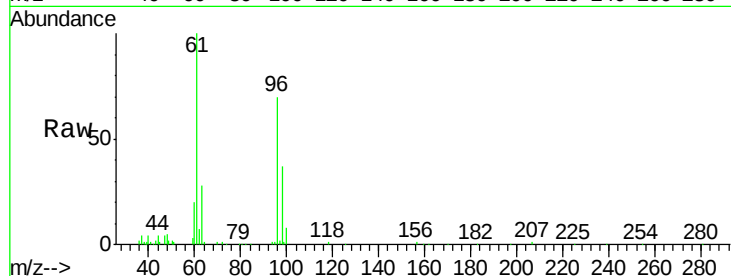
Tgt Ion: 61 Resp: 97539

Ion Ratio Lower Upper

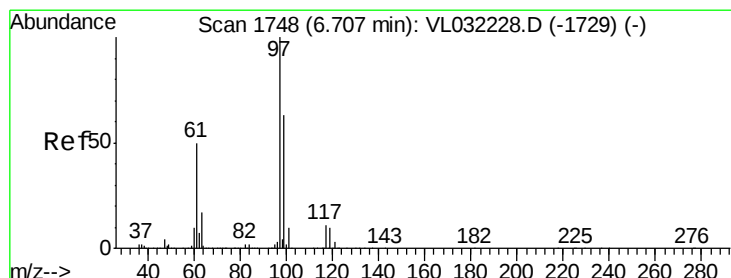
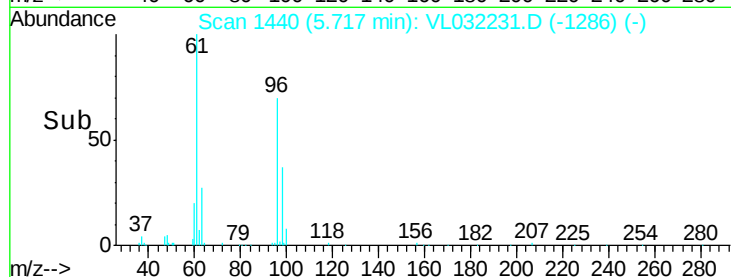
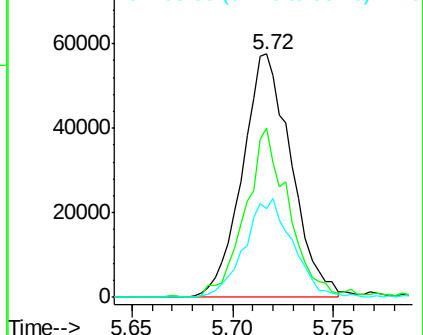
61 100

96 69.5 49.8 74.8

98 36.3 31.4 47.2



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: 0.433 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

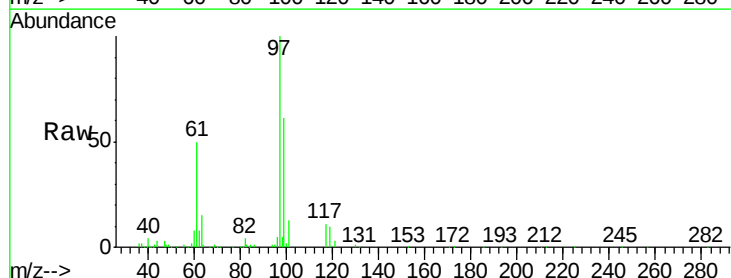
Tgt Ion: 97 Resp: 150210

Ion Ratio Lower Upper

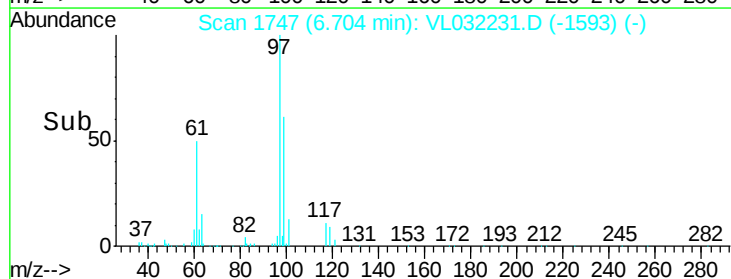
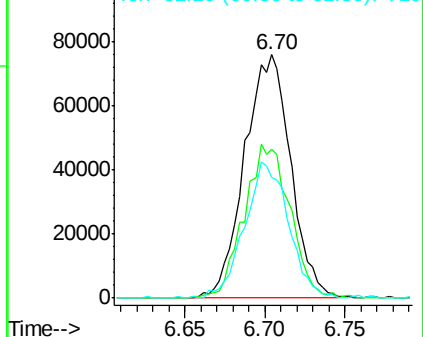
97 100

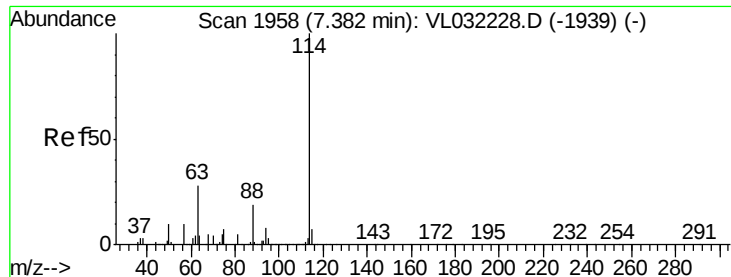
99 62.8 51.2 76.8

61 53.8 41.3 61.9



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

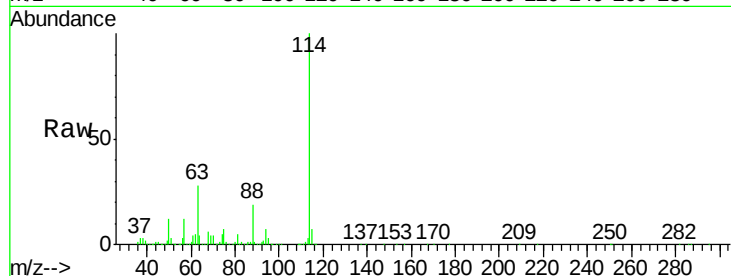




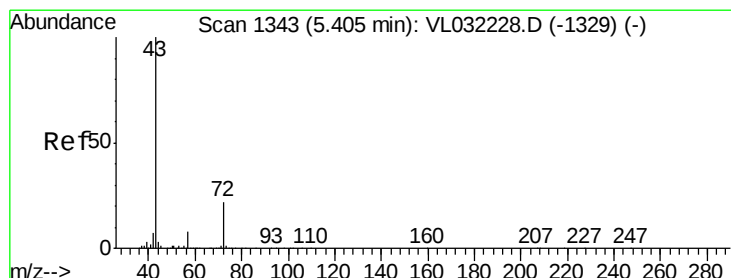
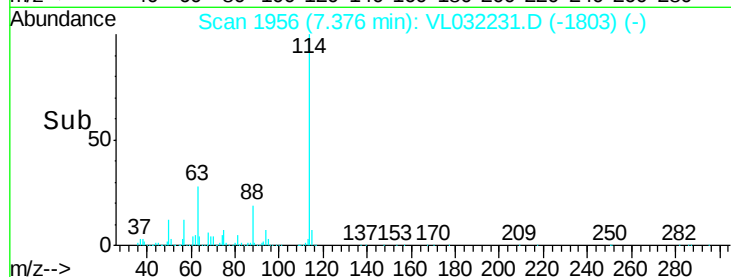
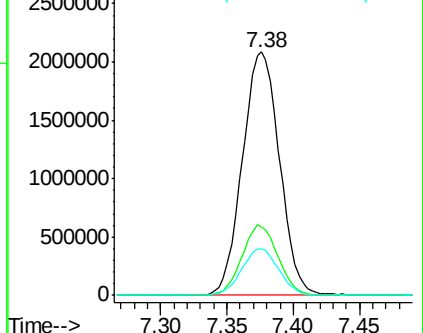
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:114 Resp: 4061838
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.5 33.7
 88 19.1 15.4 23.0

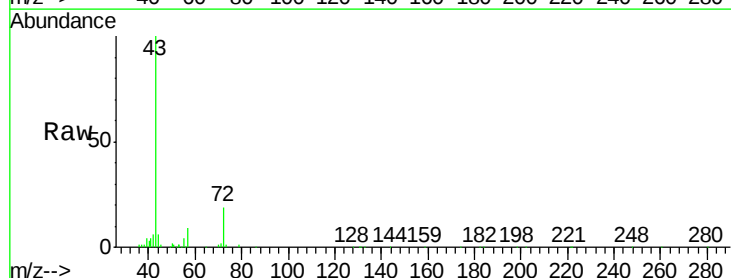


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

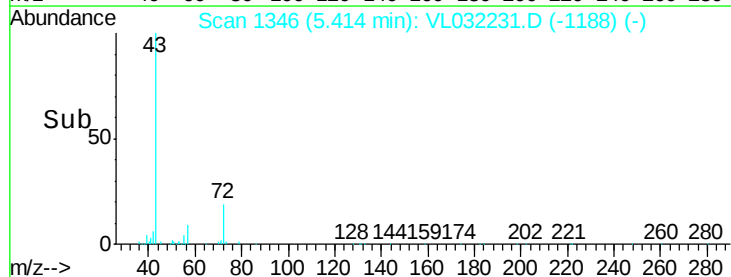
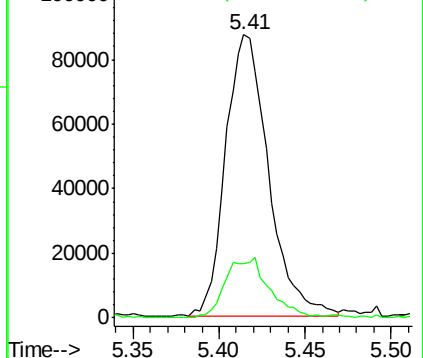


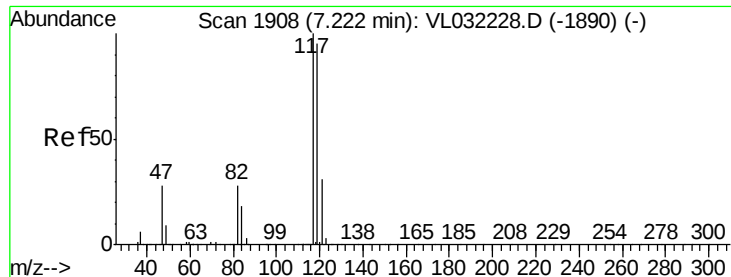
#34
 2-Butanone
 Concen: 0.584 ppbv
 RT: 5.41 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 43 Resp: 150351
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.1 27.1



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





#35

Carbon Tetrachloride

Concen: 0.331 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

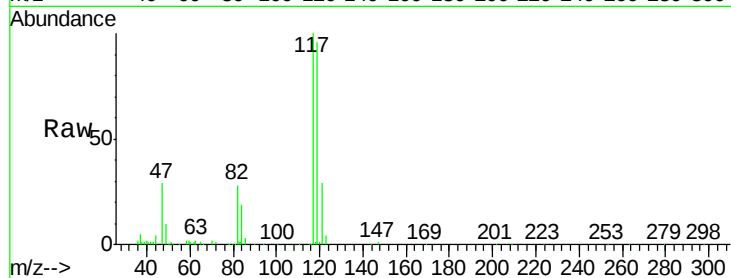
Tgt Ion:117 Resp: 93005

Ion Ratio Lower Upper

117 100

119 95.7 75.7 113.5

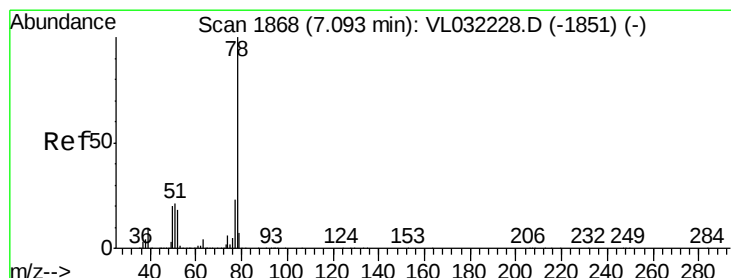
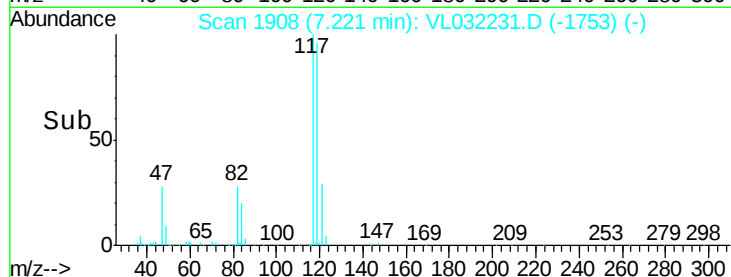
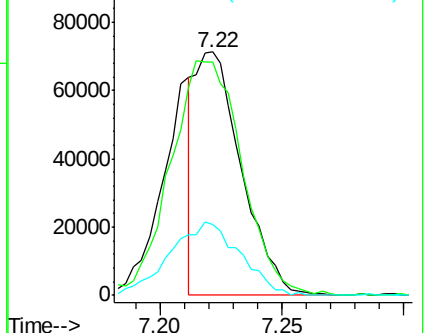
121 28.8 24.6 37.0



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: 0.520 ppbv

RT: 7.09 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

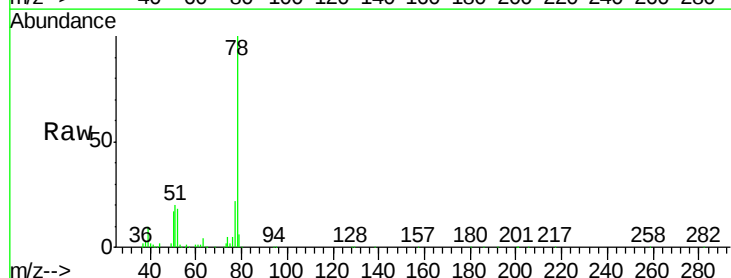
Tgt Ion: 78 Resp: 207676

Ion Ratio Lower Upper

78 100

77 21.7 18.0 27.0

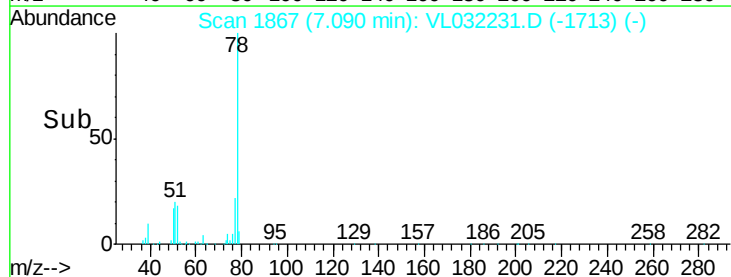
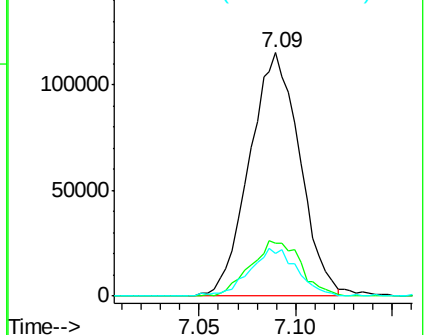
50 17.4 15.8 23.8

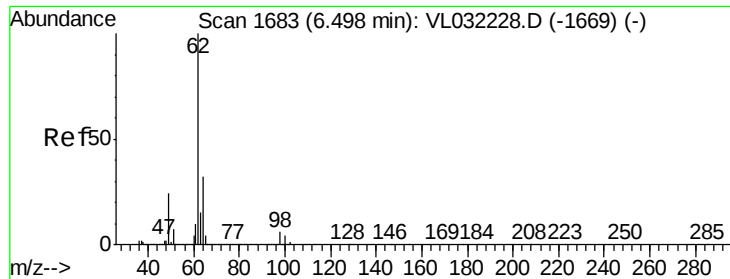


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

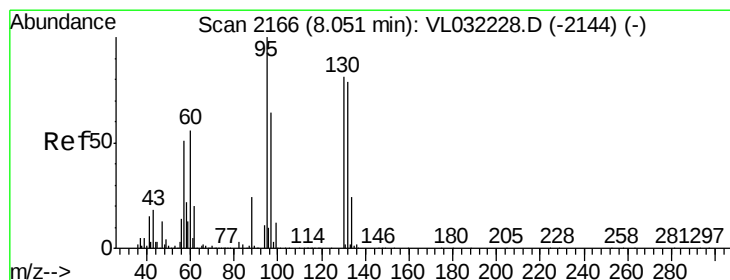
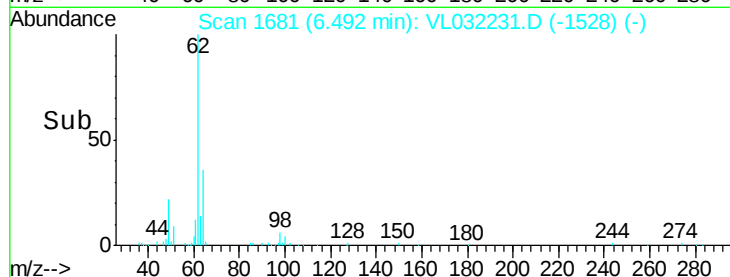
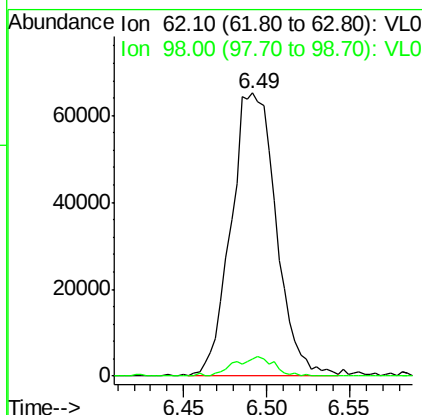
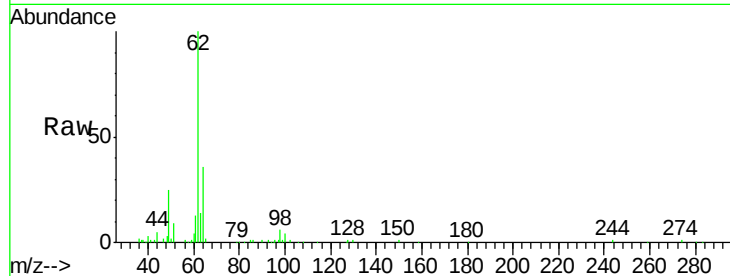




#37
 1,2-Dichloroethane
 Concen: 0.616 ppbv
 RT: 6.49 min Scan# 1681
 Delta R.T. -0.01 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

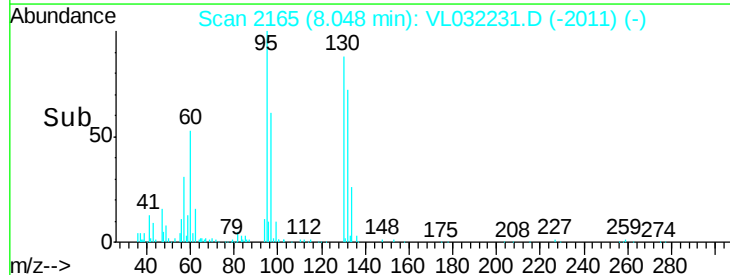
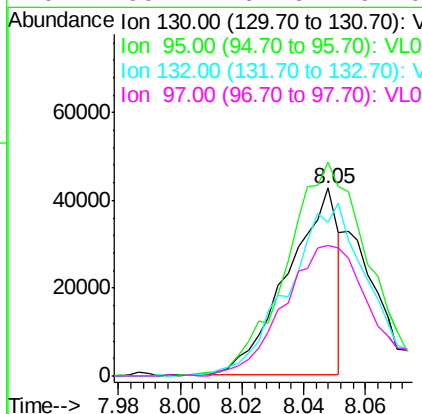
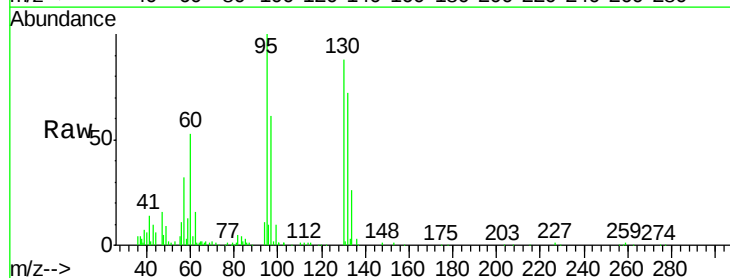
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

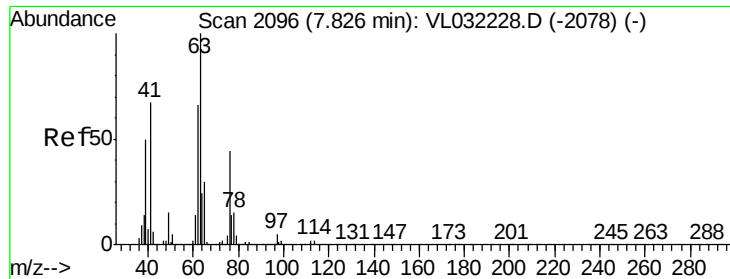
Tgt Ion: 62 Resp: 123269
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.6 7.0



#38
 Trichloroethene
 Concen: 0.318 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 130 Resp: 48021
 Ion Ratio Lower Upper
 130 100
 95 113.3 98.3 147.5
 132 81.7 78.1 117.1
 97 69.1 62.6 94.0

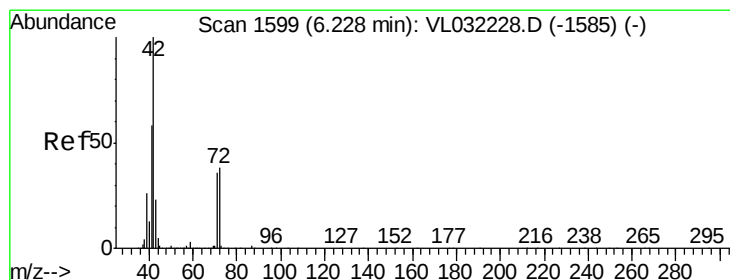
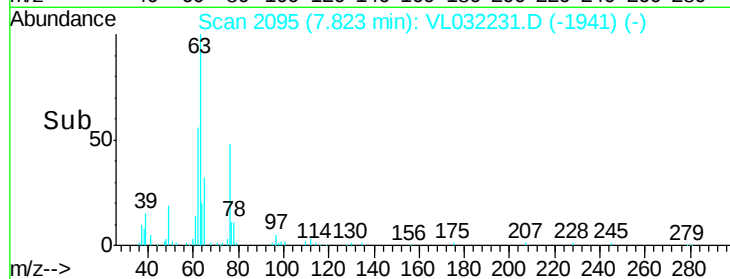
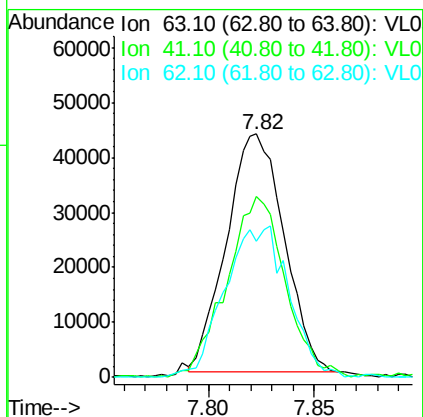
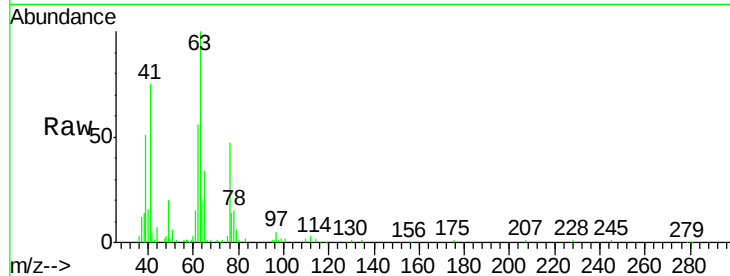




#39
 1,2-Dichloropropane
 Concen: 0.525 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

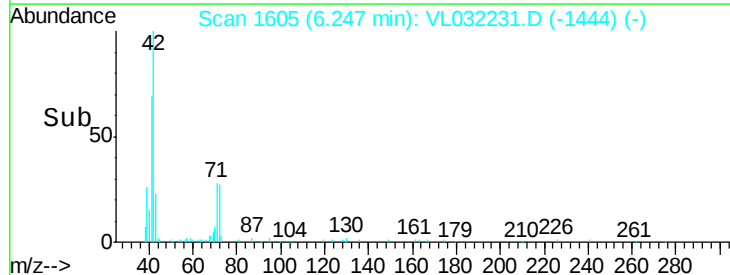
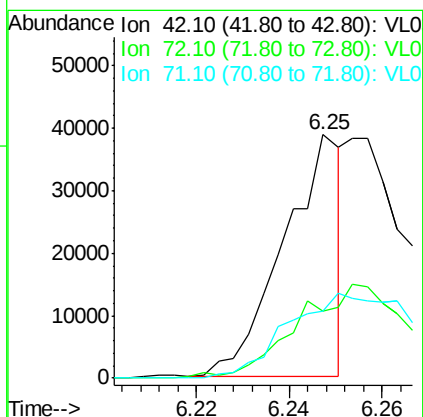
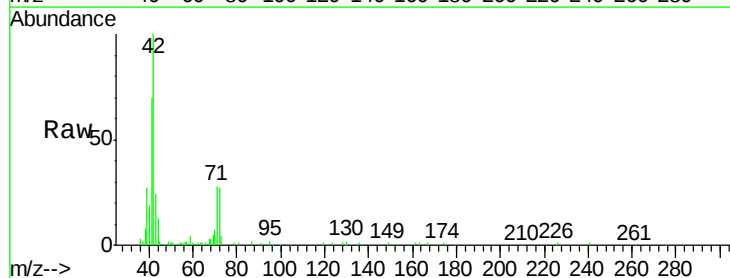
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

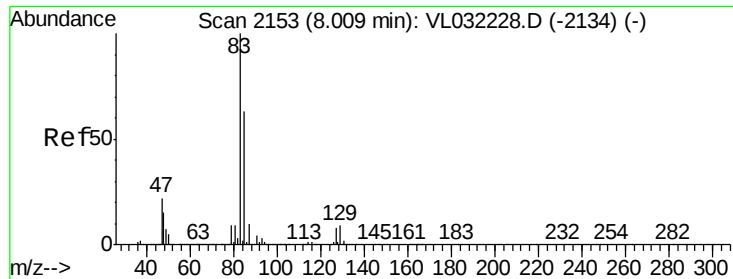
Tgt Ion: 63 Resp: 81936
 Ion Ratio Lower Upper
 63 100
 41 74.1 53.8 80.6
 62 55.5 53.1 79.7



#41
 Tetrahydrofuran
 Concen: 0.215 ppbv
 RT: 6.25 min Scan# 1605
 Delta R.T. 0.02 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 42 Resp: 33434
 Ion Ratio Lower Upper
 42 100
 72 0.0 30.6 45.8#
 71 0.0 29.7 44.5#





#42

Bromodichloromethane

Concen: 0.531 ppbv

RT: 8.00 min Scan# 2151

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

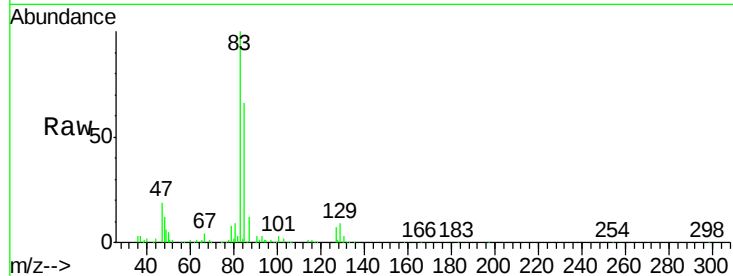
Tgt Ion: 83 Resp: 161850

Ion Ratio Lower Upper

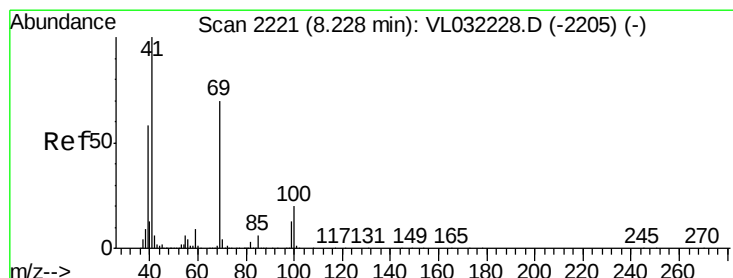
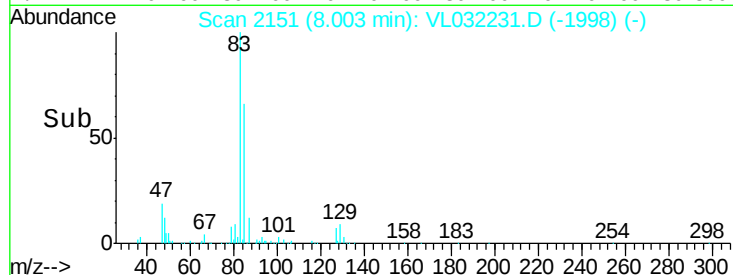
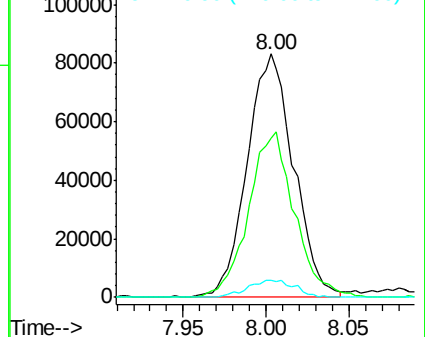
83 100

85 65.6 50.6 76.0

127 7.1 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.444 ppbv

RT: 8.23 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

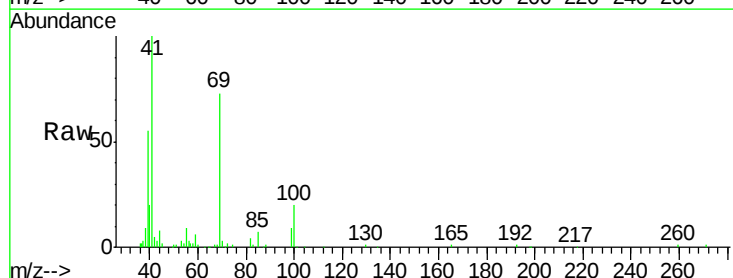
Tgt Ion: 69 Resp: 71898

Ion Ratio Lower Upper

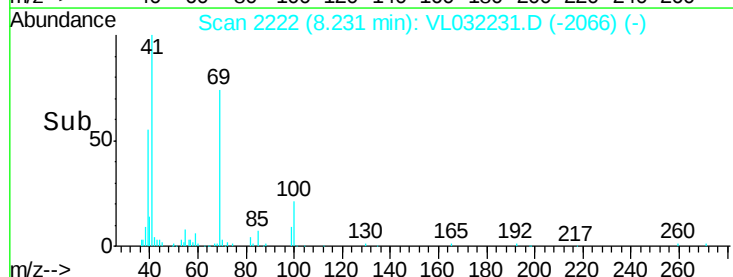
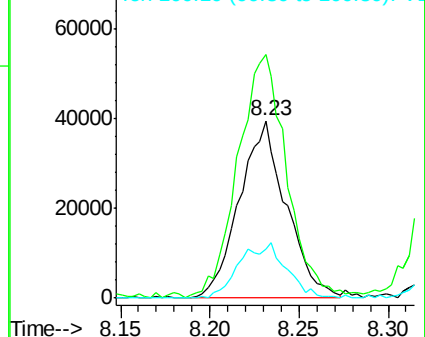
69 100

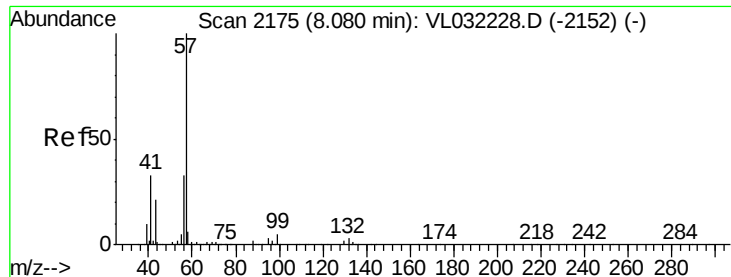
41 143.8 116.3 174.5

100 31.7 23.8 35.8



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

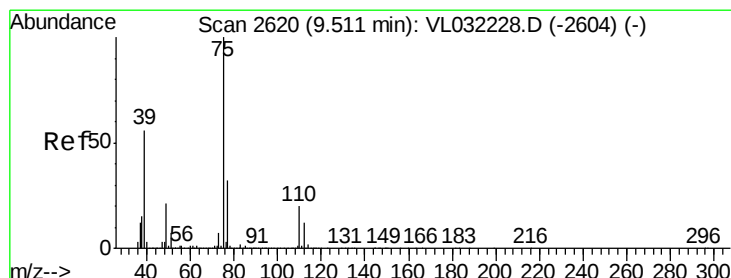
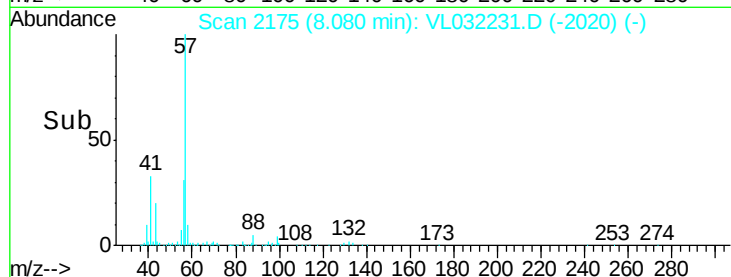
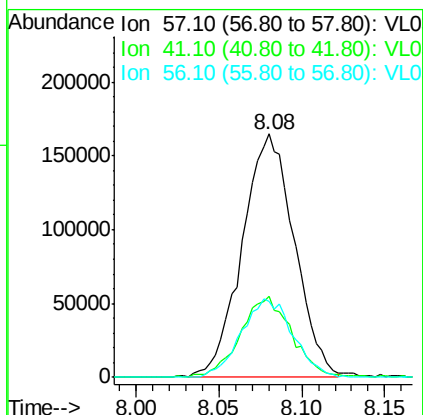
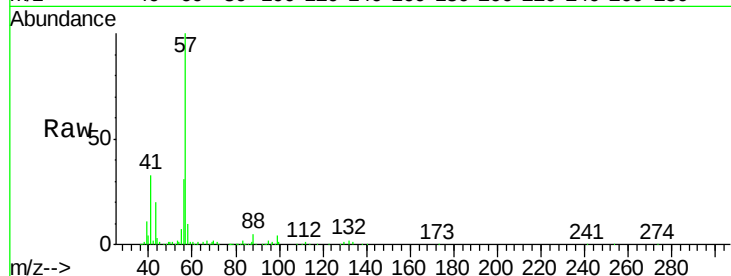




#44
 2,2,4-Trimethylpentane
 Concen: 0.523 ppbv
 RT: 8.08 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

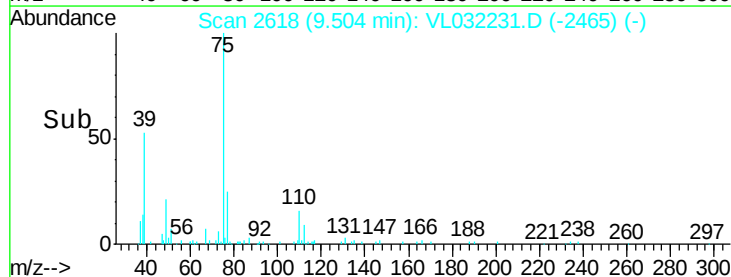
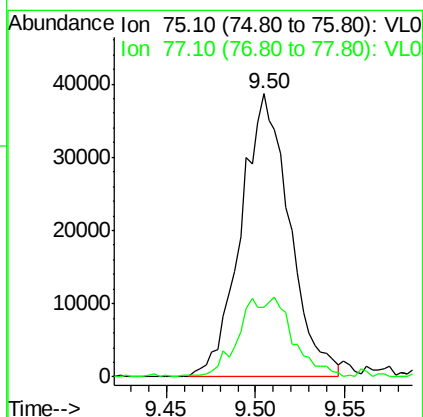
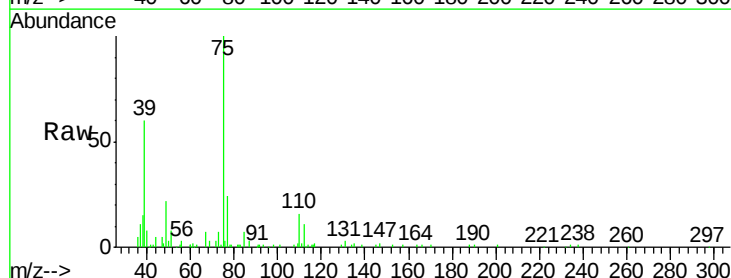
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

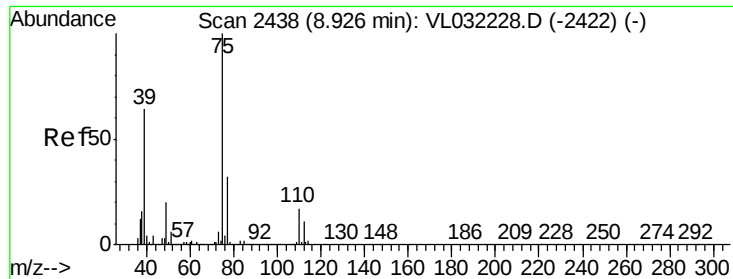
Tgt Ion: 57 Resp: 357281
 Ion Ratio Lower Upper
 57 100
 41 32.8 24.7 37.1
 56 32.5 25.4 38.0



#45
 t-1,3-Dichloropropene
 Concen: 0.365 ppbv
 RT: 9.50 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 75 Resp: 73884
 Ion Ratio Lower Upper
 75 100
 77 24.5 25.5 38.3#

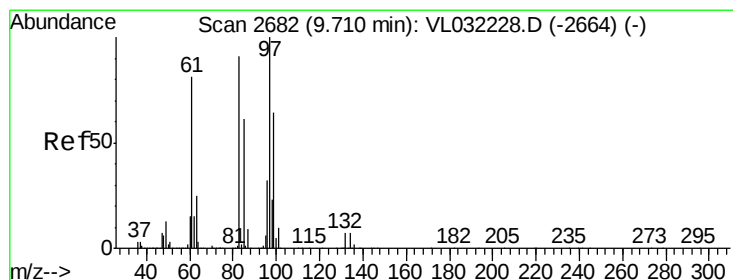
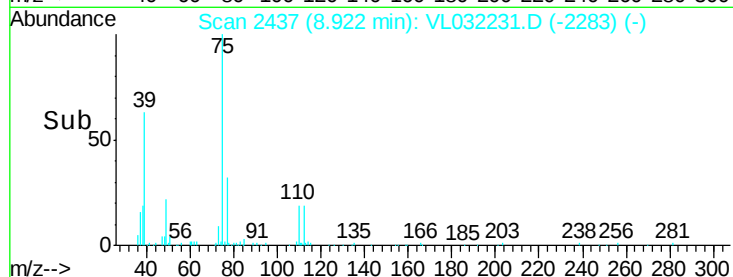
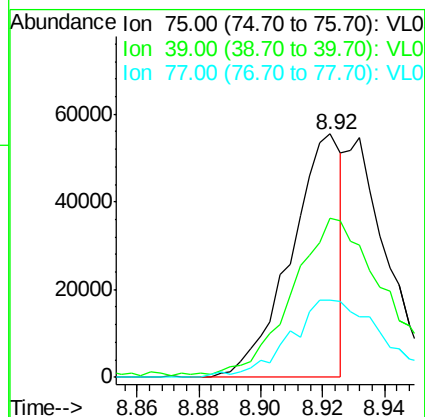
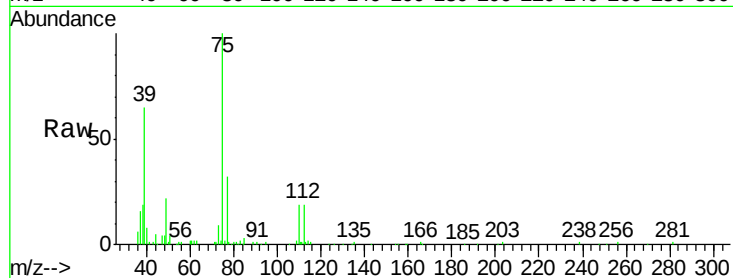




#46
 cis-1,3-Dichloropropene
 Concen: 0.259 ppbv
 RT: 8.92 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

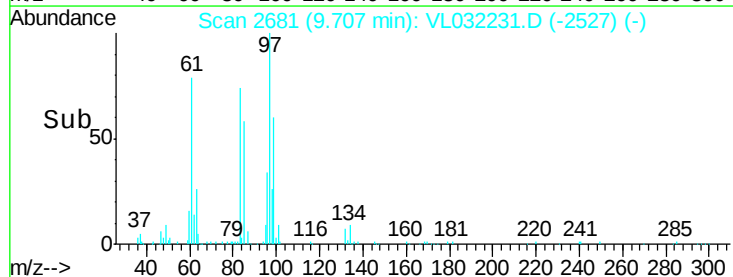
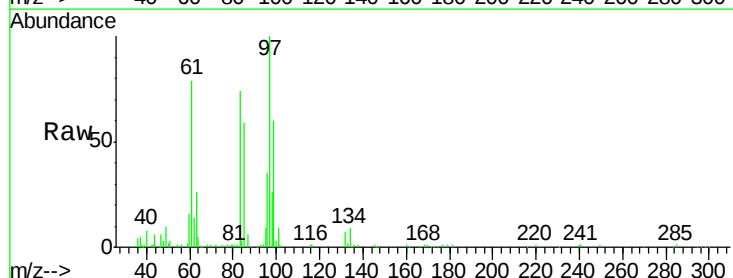
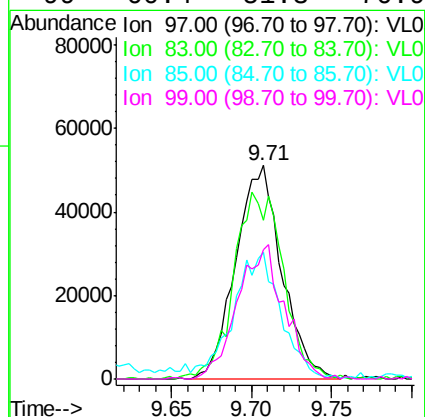
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

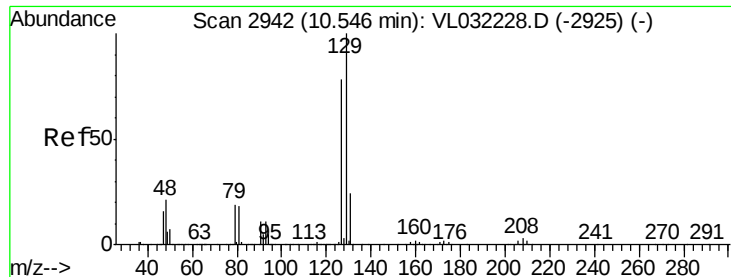
Tgt Ion	Ratio	Lower	Upper
75	100		
39	63.8	50.9	76.3
77	32.3	25.3	37.9



#47
 1,1,2-Trichloroethane
 Concen: 0.622 ppbv
 RT: 9.71 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion	Ratio	Lower	Upper
97	100		
83	72.1	72.9	109.3#
85	58.9	49.3	73.9
99	60.4	51.3	76.9





#48

Dibromochloromethane

Concen: 0.522 ppbv

RT: 10.55 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

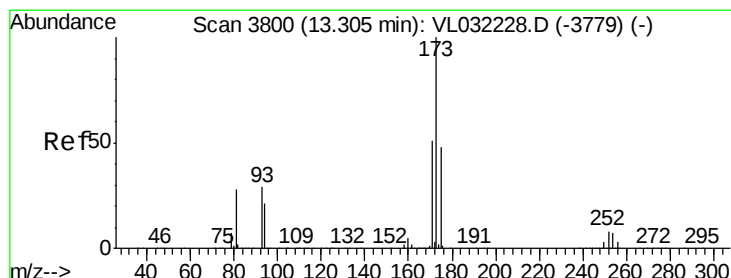
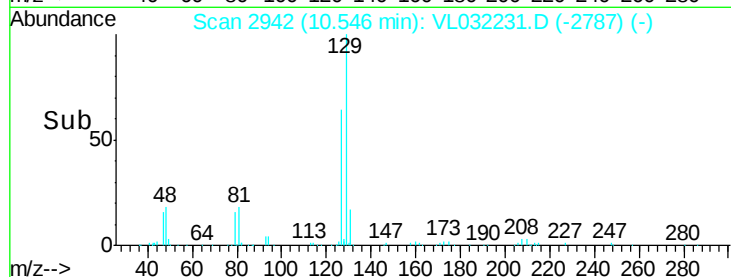
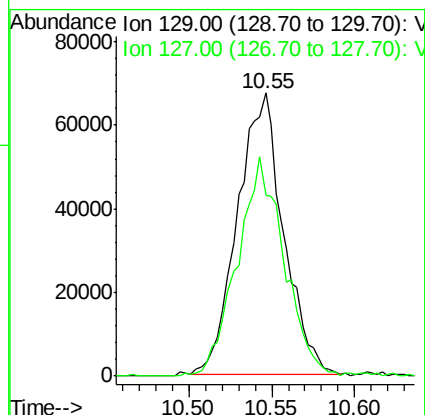
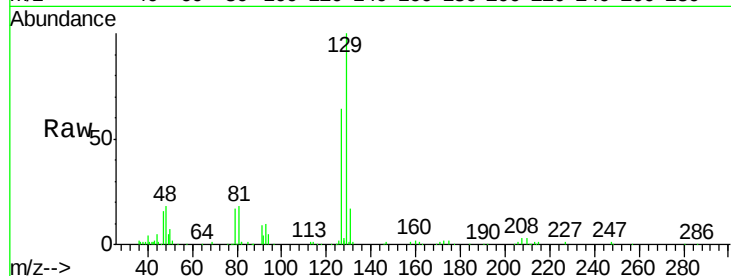
VSTDIC0.5

Tgt Ion:129 Resp: 129521

Ion Ratio Lower Upper

129 100

127 80.1 39.3 117.9



#49

Bromoform

Concen: 0.330 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

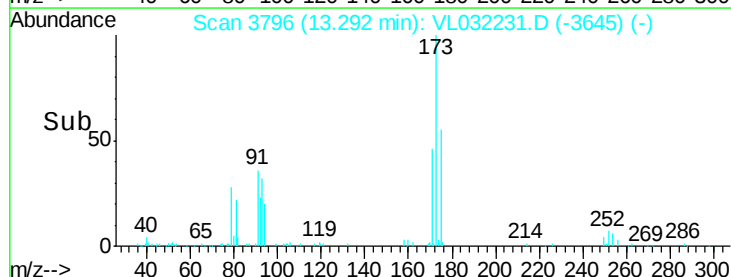
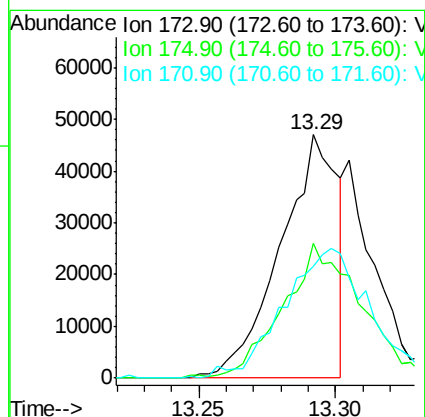
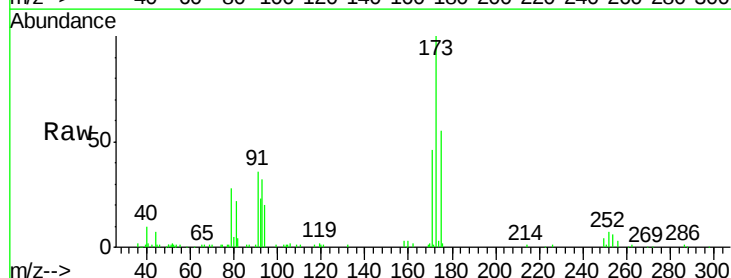
Tgt Ion:173 Resp: 68273

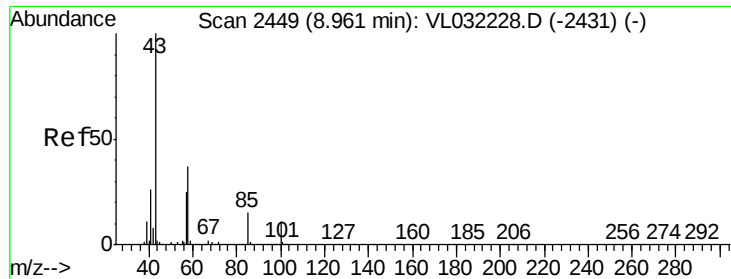
Ion Ratio Lower Upper

173 100

175 77.0 39.4 59.2#

171 0.0 41.8 62.6#

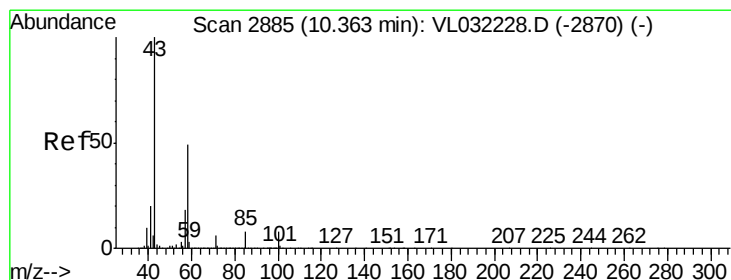
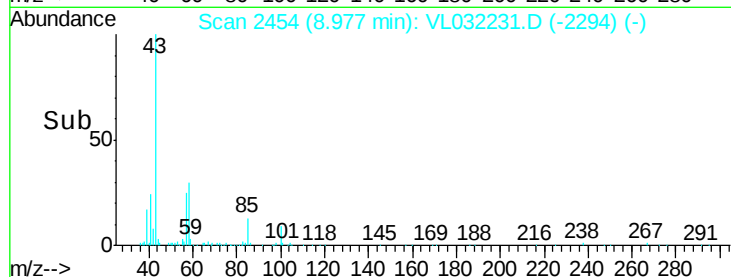
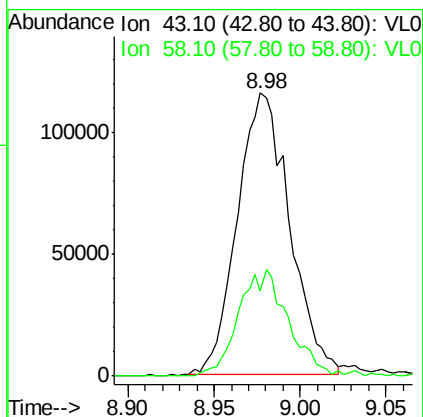
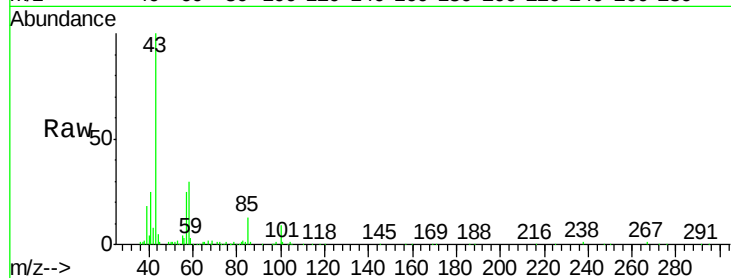




#50
 4-Methyl-2-Pentanone
 Concen: 0.568 ppbv
 RT: 8.98 min Scan# 2454
 Delta R.T. 0.02 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

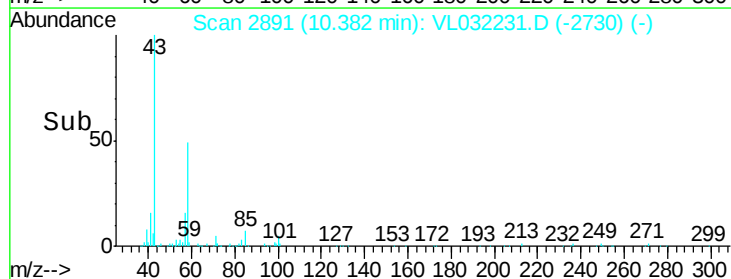
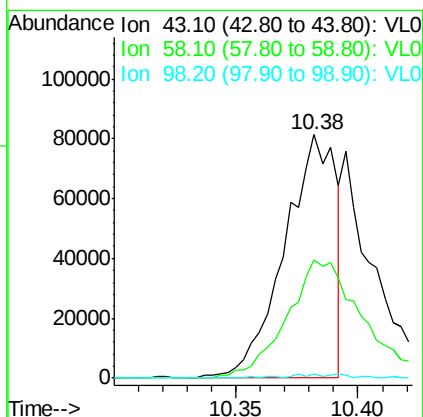
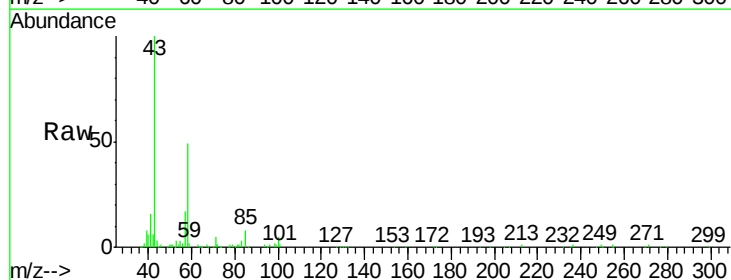
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

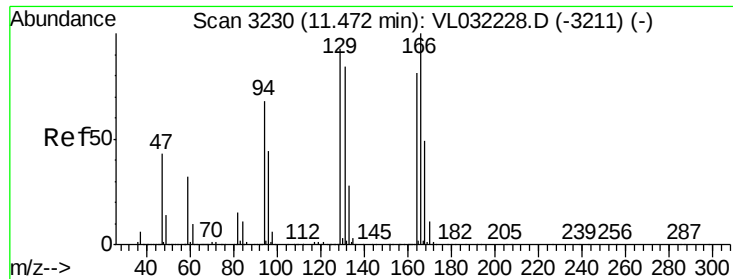
Tgt Ion: 43 Resp: 243807
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.5 44.3



#51
 2-Hexanone
 Concen: 0.335 ppbv
 RT: 10.38 min Scan# 2891
 Delta R.T. 0.02 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 43 Resp: 119055
 Ion Ratio Lower Upper
 43 100
 58 76.5 39.9 59.9#
 98 2.1 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.559 ppbv

RT: 11.46 min Scan# 3227

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 79477

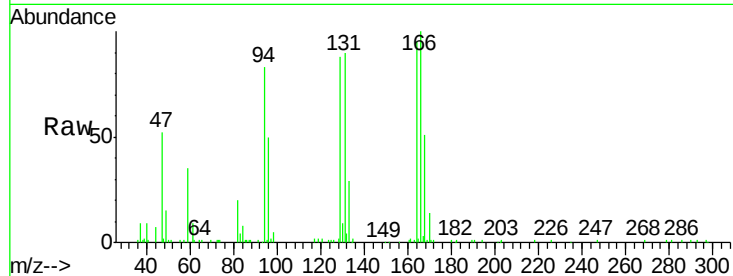
Ion Ratio Lower Upper

164 100

166 105.4 99.3 148.9

129 92.5 92.0 138.0

131 94.7 83.8 125.8

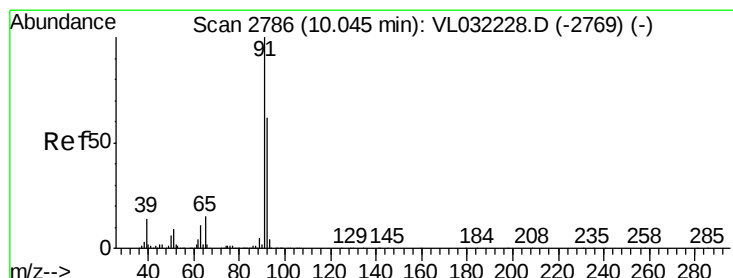
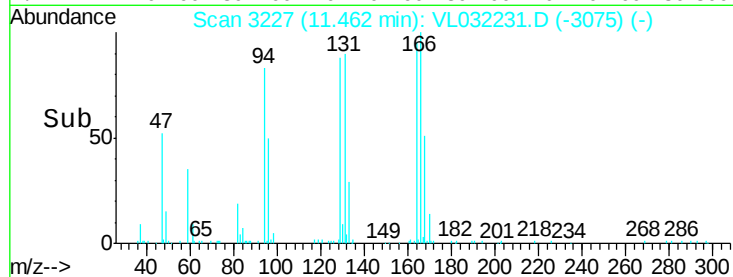
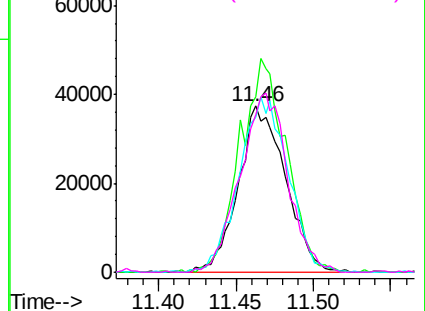


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.510 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032231.D

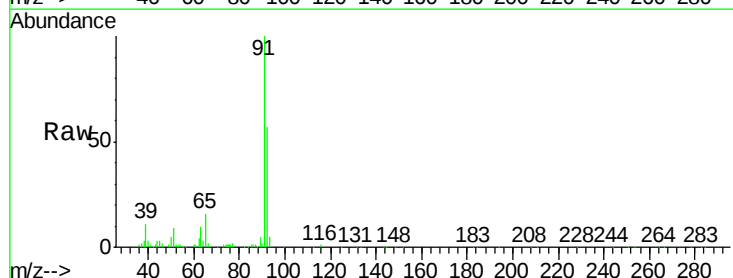
Acq: 12 Jul 2018 20:07

Tgt Ion: 91 Resp: 240367

Ion Ratio Lower Upper

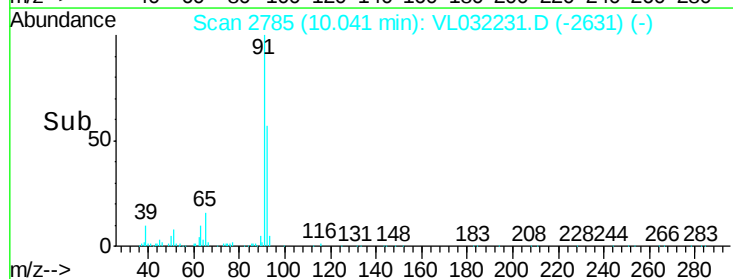
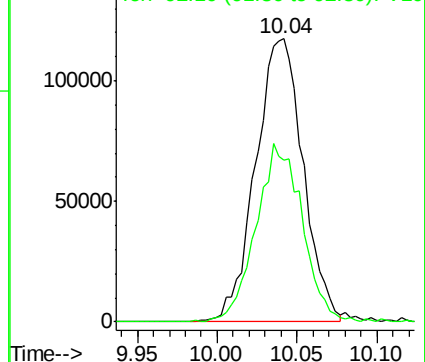
91 100

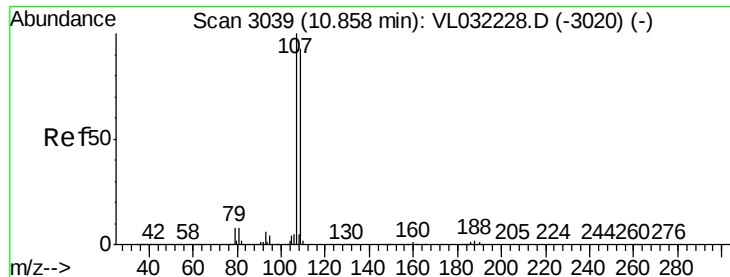
92 61.6 49.0 73.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

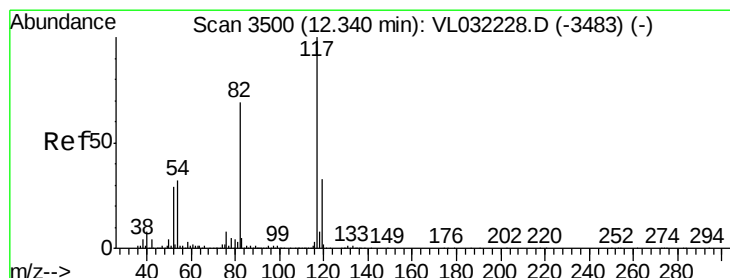
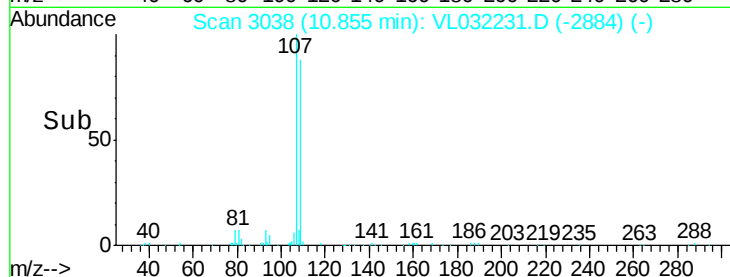
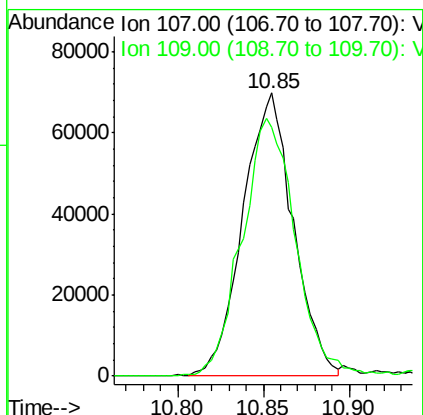
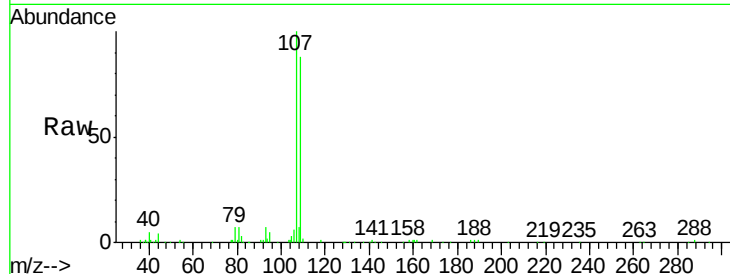




#54
1,2-Dibromoethane
Concen: 0.583 ppbv
RT: 10.85 min Scan# 3038
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

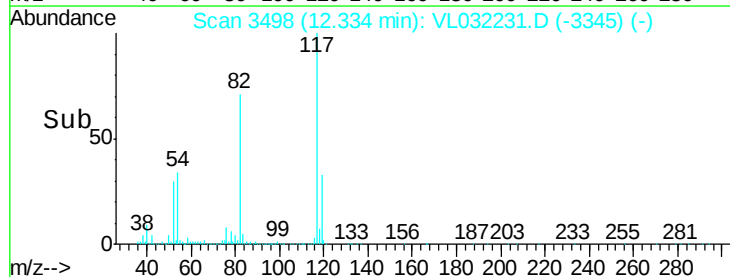
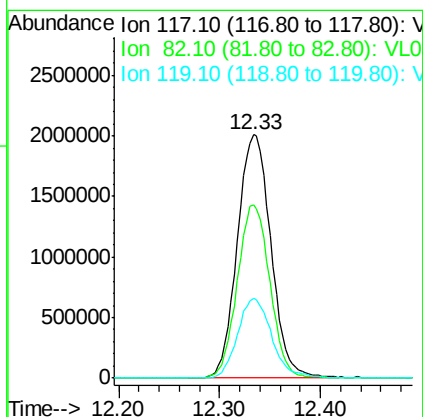
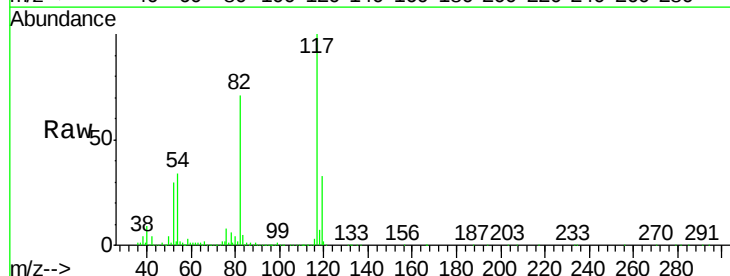
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

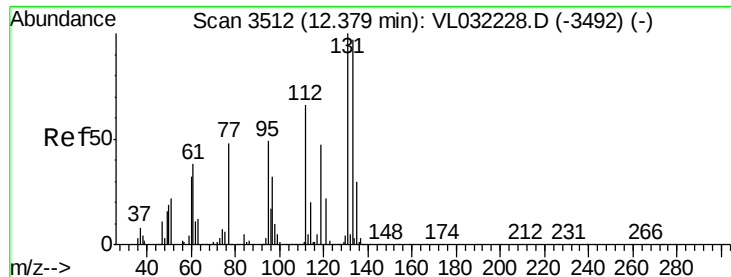
Tgt Ion:107 Resp: 140906
Ion Ratio Lower Upper
107 100
109 87.2 74.3 111.5



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion:117 Resp: 4637201
Ion Ratio Lower Upper
117 100
82 69.1 53.2 79.8
119 33.5 43.9 65.9#

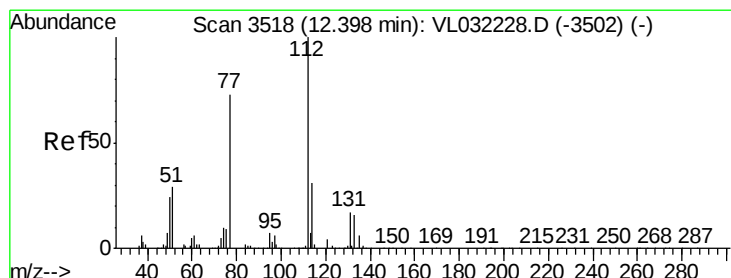
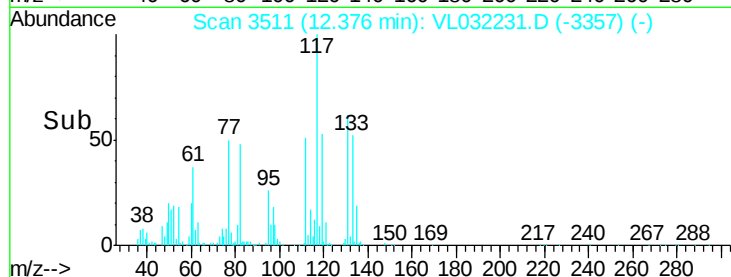
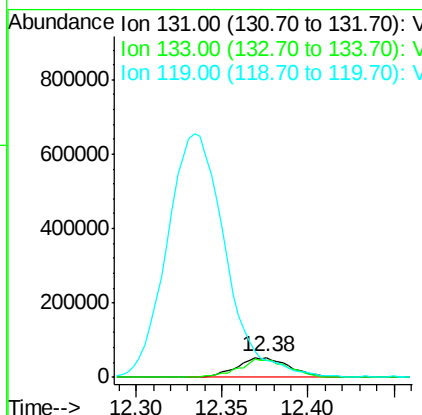
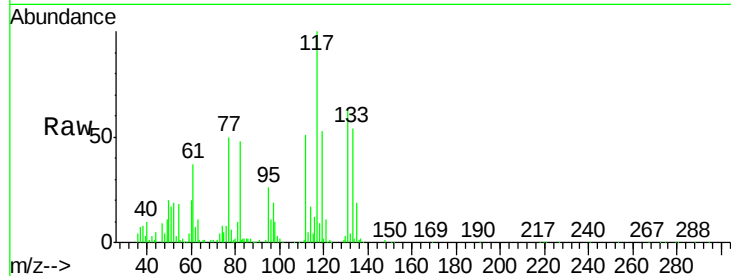




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.546 ppbv
 RT: 12.38 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

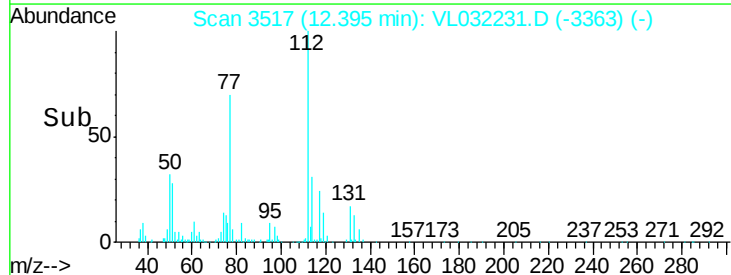
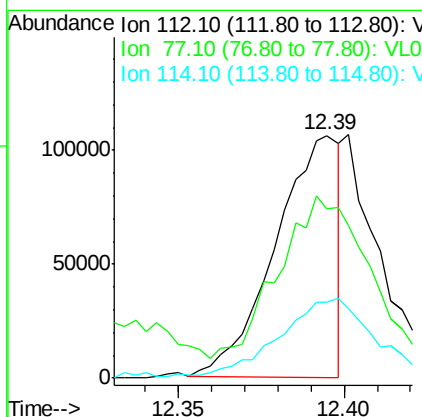
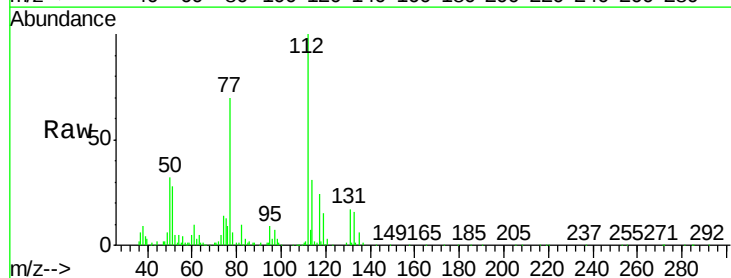
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

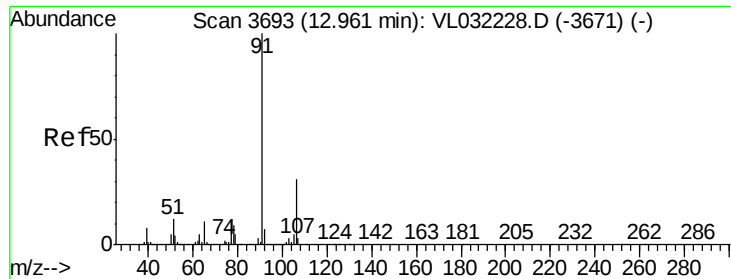
Tgt Ion:131 Resp: 112693
 Ion Ratio Lower Upper
 131 100
 133 88.3 75.2 112.8
 119 1379.2 113.9 170.9#



#57
 Chlorobenzene
 Concen: 0.358 ppbv
 RT: 12.39 min Scan# 3517
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion:112 Resp: 142952
 Ion Ratio Lower Upper
 112 100
 77 56.7 58.8 88.2#
 114 30.2 27.9 34.1





#58

Ethyl Benzene

Concen: 0.457 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

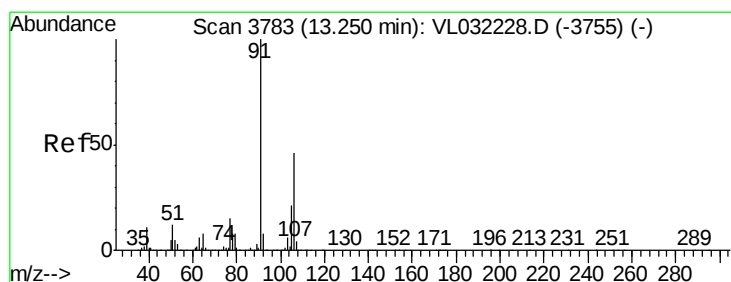
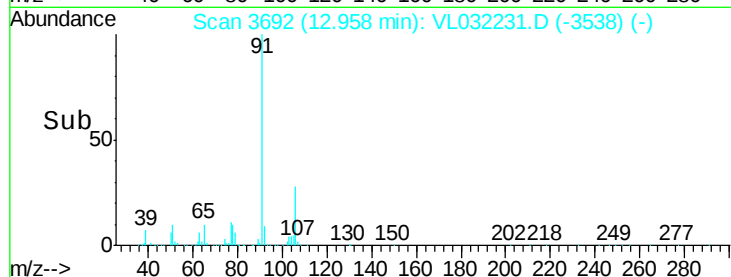
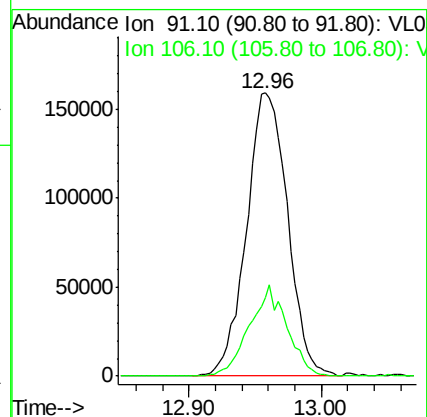
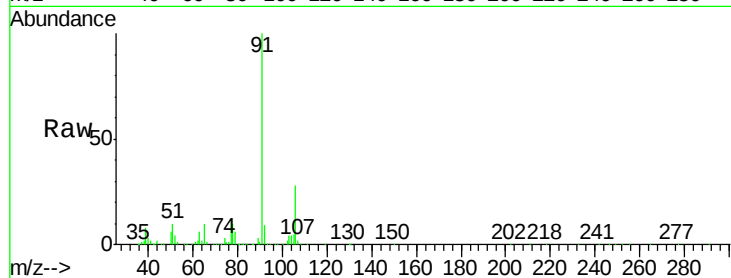
VSTDIC0.5

Tgt Ion: 91 Resp: 340597

Ion Ratio Lower Upper

91 100

106 27.7 24.5 36.7



#59

m/p-Xylene

Concen: 0.477 ppbv

RT: 13.24 min Scan# 3781

Delta R.T. -0.01 min

Lab File: VL032231.D

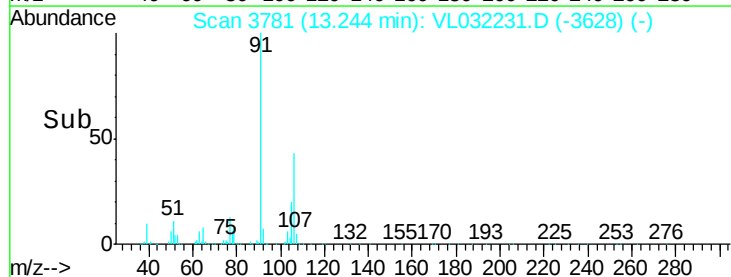
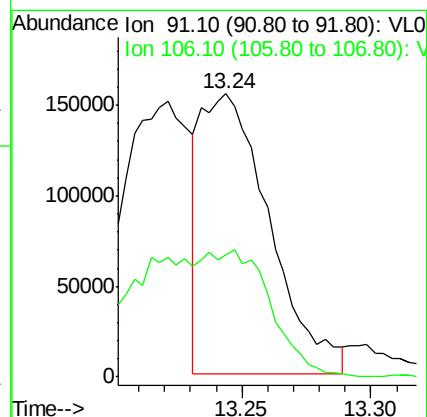
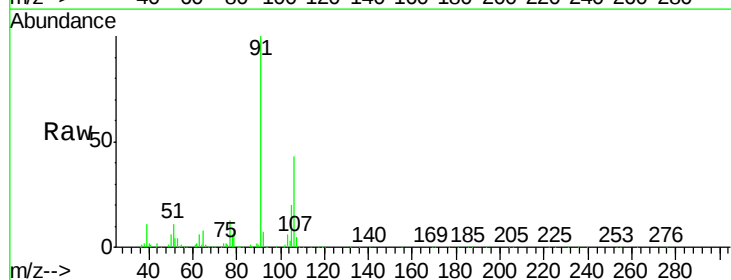
Acq: 12 Jul 2018 20:07

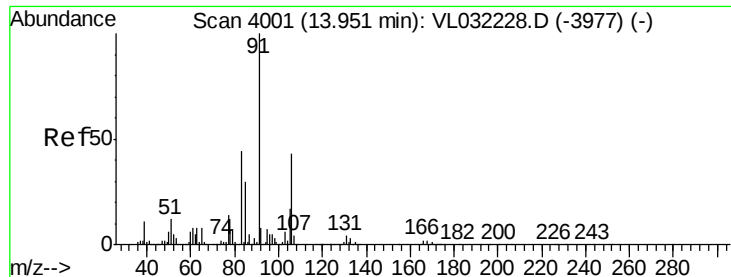
Tgt Ion: 91 Resp: 285336

Ion Ratio Lower Upper

91 100

106 91.7 36.4 54.6#

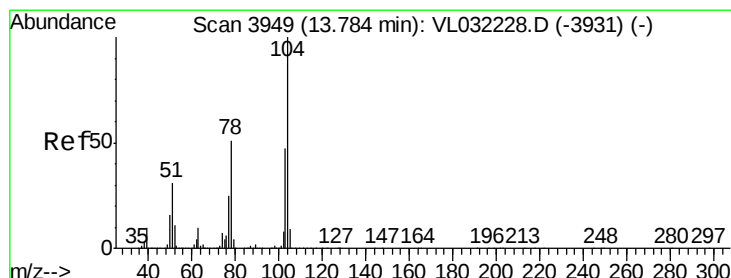
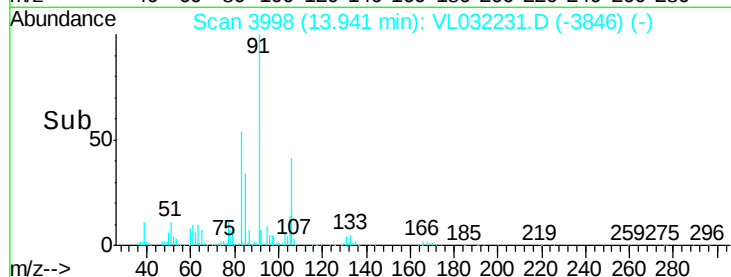
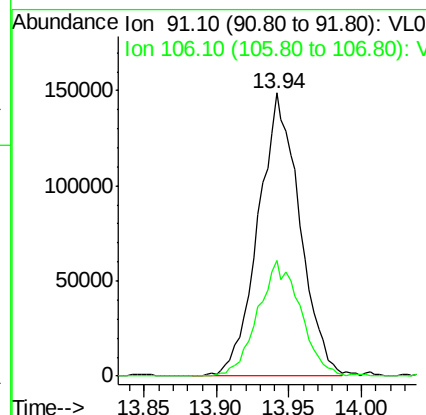
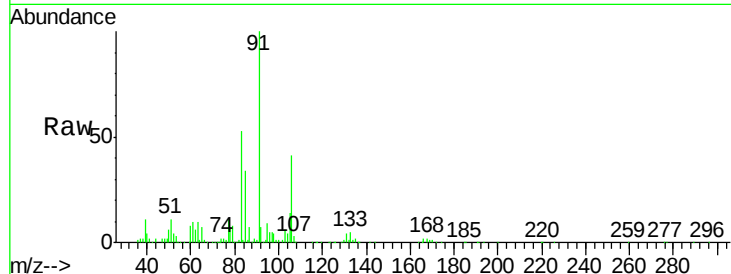




#60
o-Xylene
Concen: 0.498 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

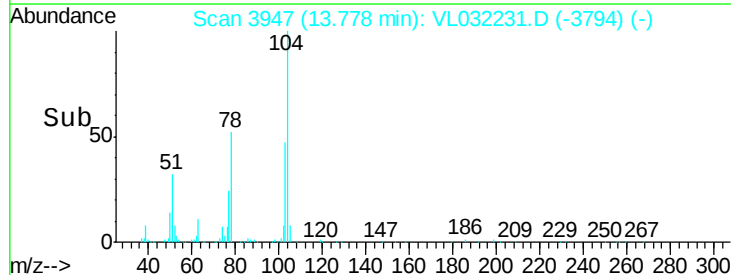
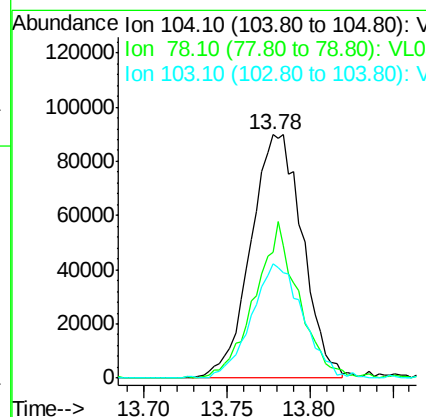
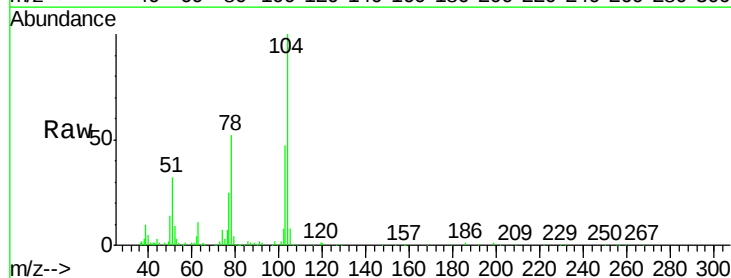
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

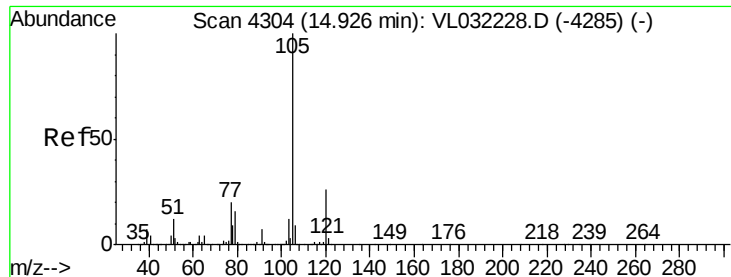
Tgt Ion: 91 Resp: 296598
Ion Ratio Lower Upper
91 100
106 42.2 21.9 65.5



#61
Styrene
Concen: 0.401 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion: 104 Resp: 193290
Ion Ratio Lower Upper
104 100
78 55.4 43.4 65.0
103 47.4 38.0 57.0





#62

Isopropylbenzene

Concen: 0.461 ppbv

RT: 14.92 min Scan# 4302

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

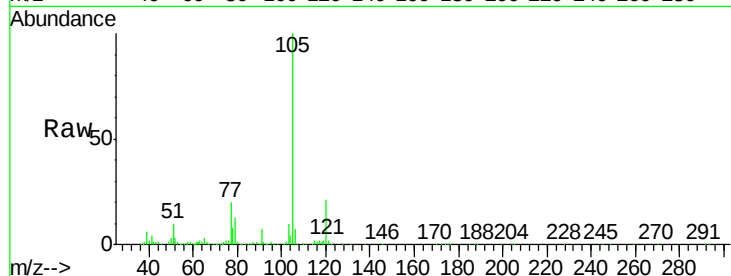
VSTDIC0.5

Tgt Ion:105 Resp: 418893

Ion Ratio Lower Upper

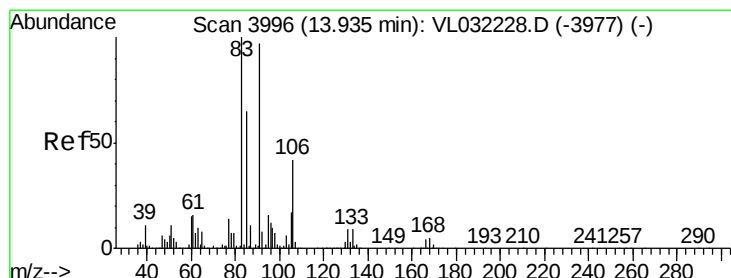
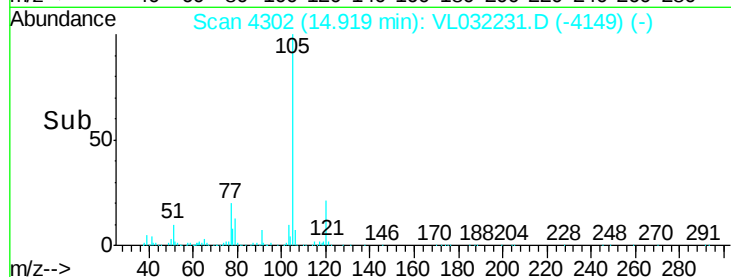
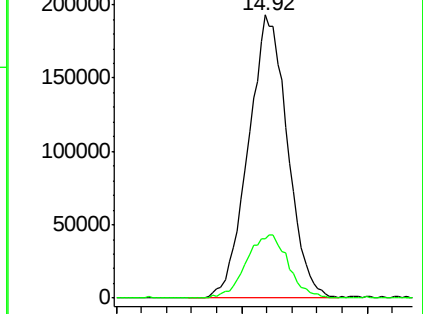
105 100

120 24.1 20.2 30.2



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: 0.540 ppbv

RT: 13.93 min Scan# 3995

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

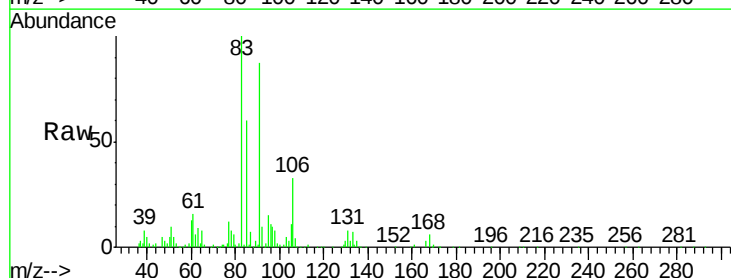
Tgt Ion: 83 Resp: 250816

Ion Ratio Lower Upper

83 100

131 8.9 4.3 12.8

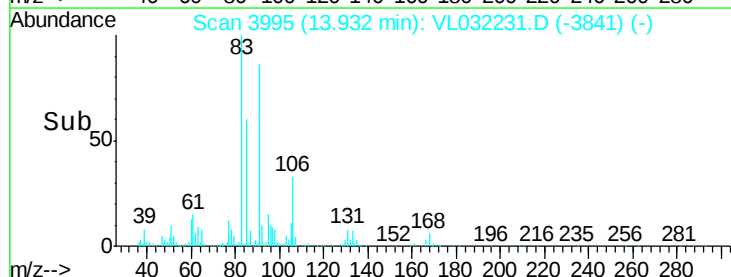
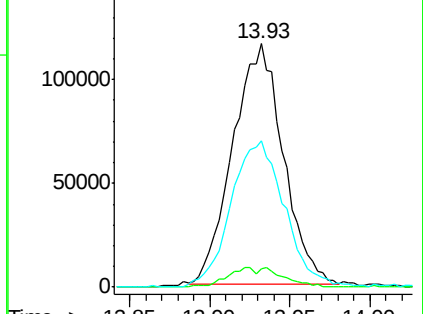
85 64.9 32.5 97.5

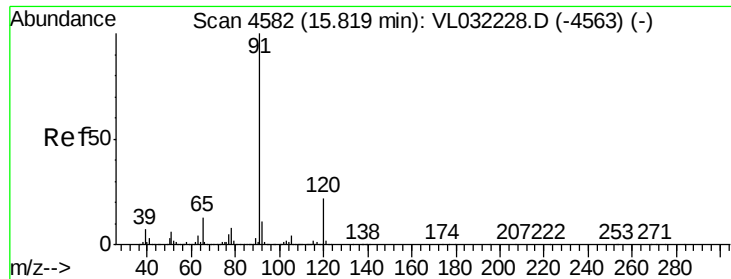


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

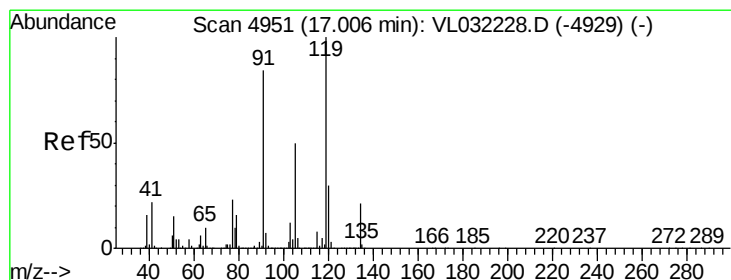
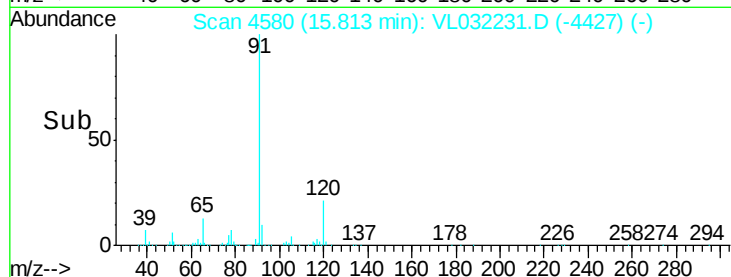
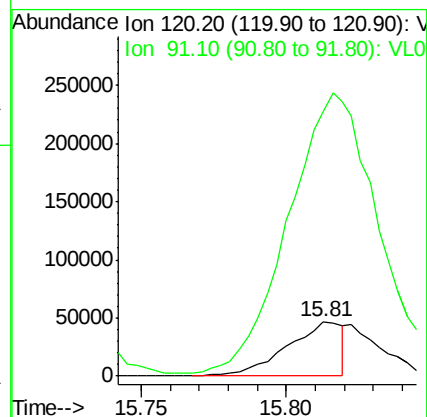
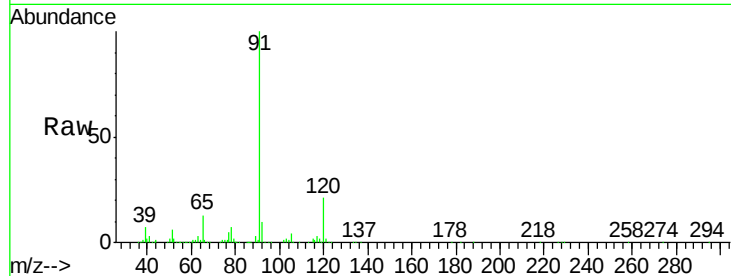




#64
n-propylbenzene
Concen: 0.264 ppbv
RT: 15.81 min Scan# 4580
Delta R.T. -0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

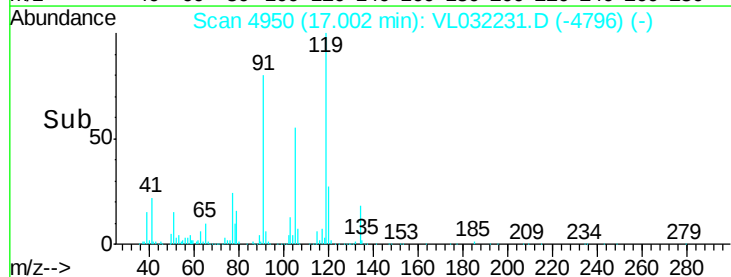
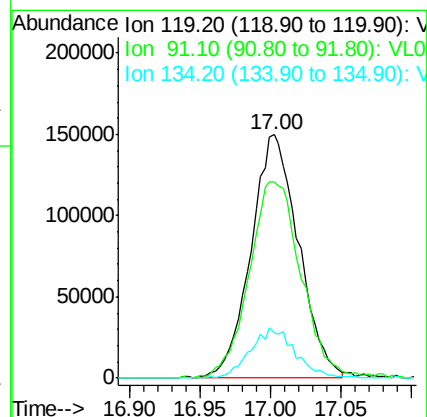
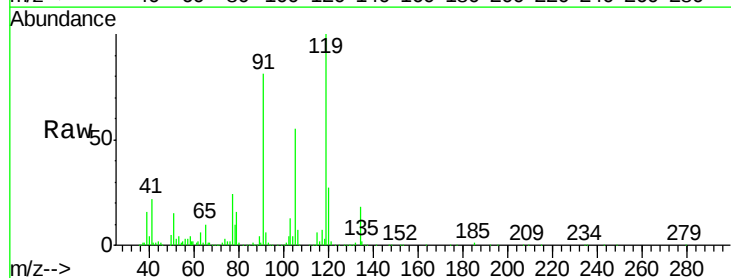
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

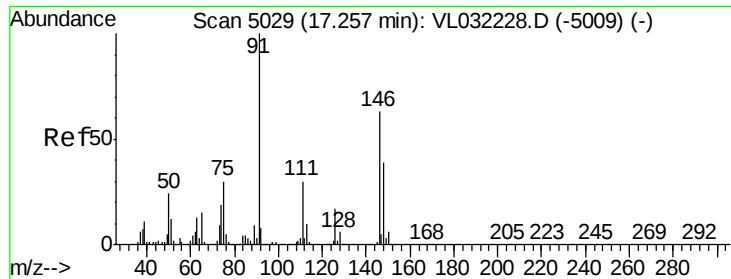
Tgt Ion:120 Resp: 62191
Ion Ratio Lower Upper
120 100
91 859.6 385.0 577.4#



#65
tert-Butylbenzene
Concen: 0.439 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion:119 Resp: 349431
Ion Ratio Lower Upper
119 100
91 89.6 68.6 102.8
134 19.7 15.4 23.2

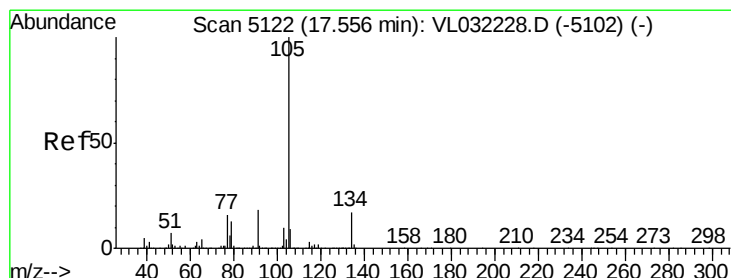
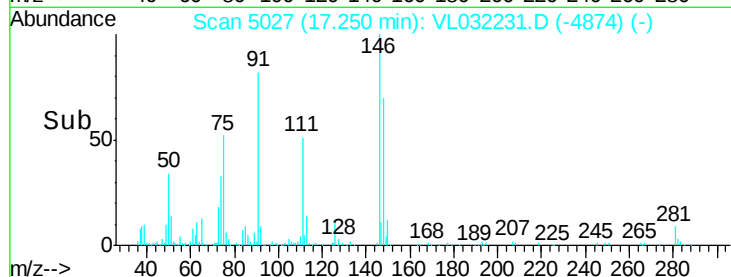
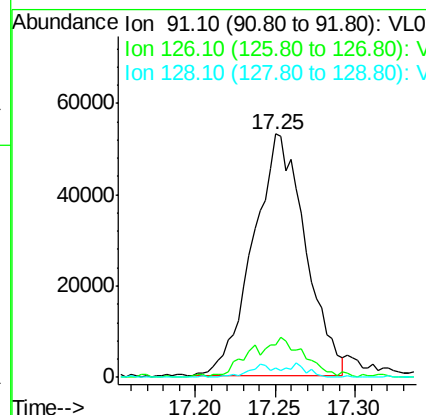
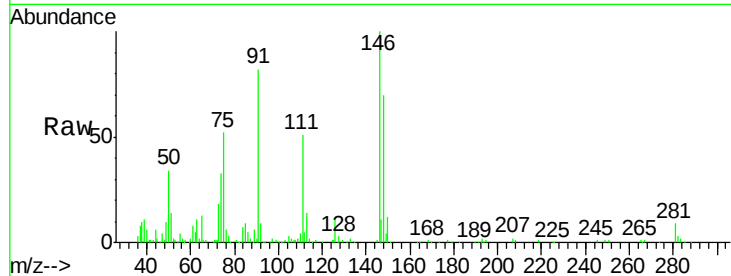




#66
Benzyl Chloride
Concen: 0.248 ppbv
RT: 17.25 min Scan# 5027
Delta R.T. -0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

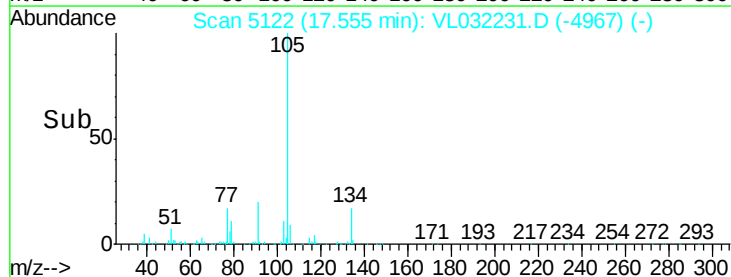
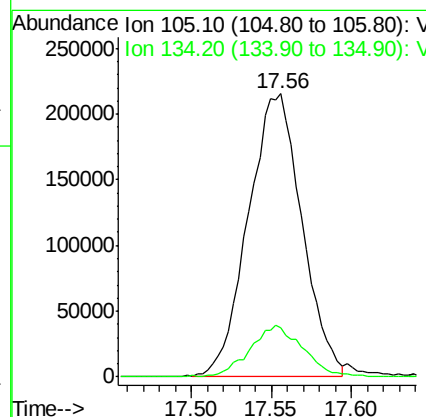
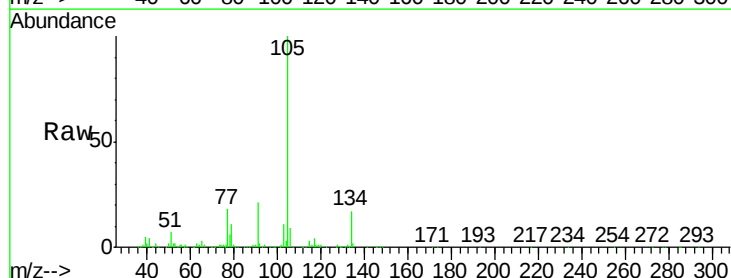
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

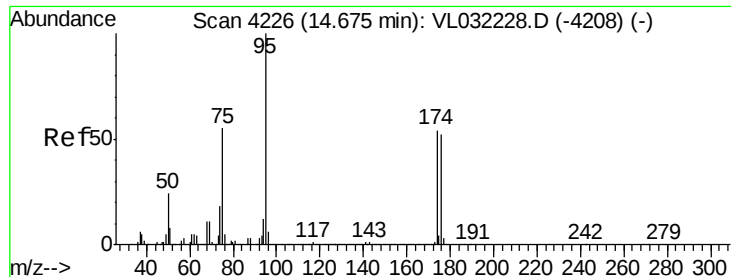
Tgt Ion: 91 Resp: 119799
Ion Ratio Lower Upper
91 100
126 17.6 13.4 20.0
128 5.0 4.5 6.7



#67
sec-Butylbenzene
Concen: 0.422 ppbv
RT: 17.56 min Scan# 5122
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion: 105 Resp: 493564
Ion Ratio Lower Upper
105 100
134 18.1 14.2 21.2

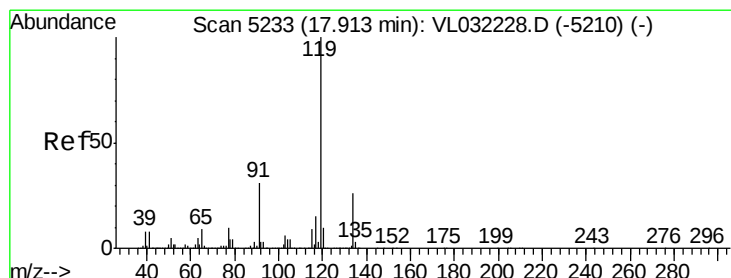
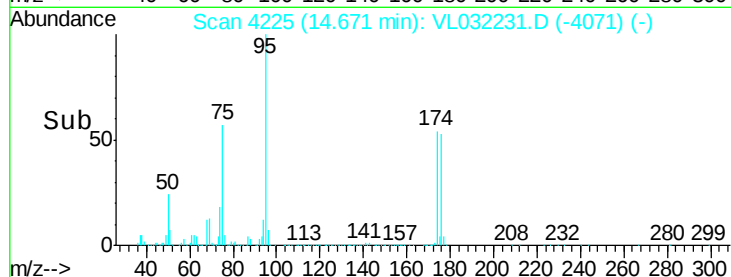
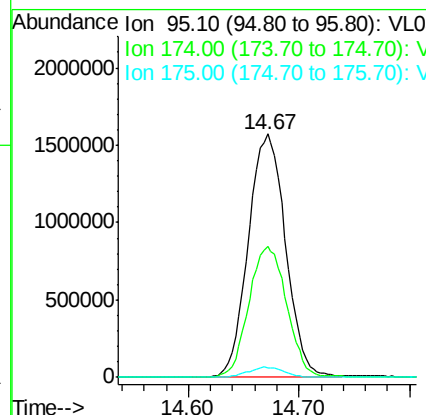
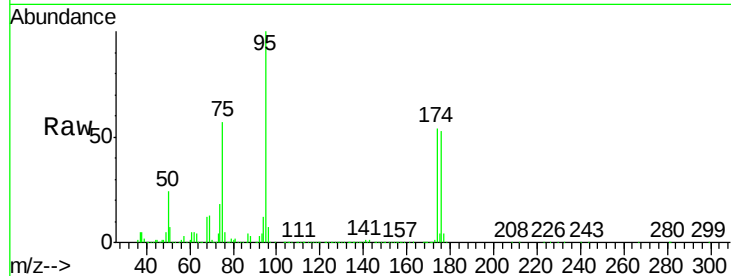




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.368 ppbv
 RT: 14.67 min Scan# 4225
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

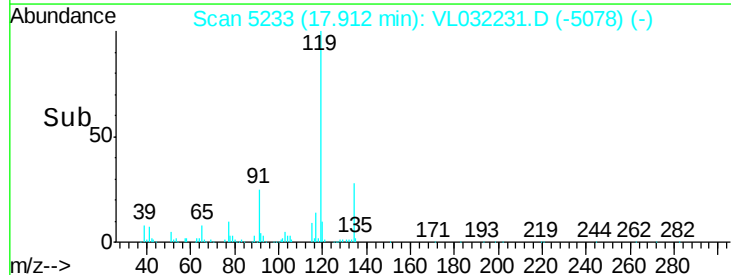
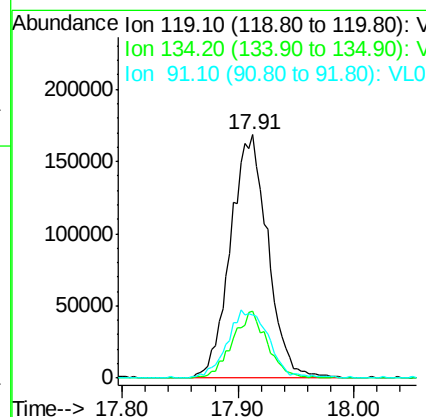
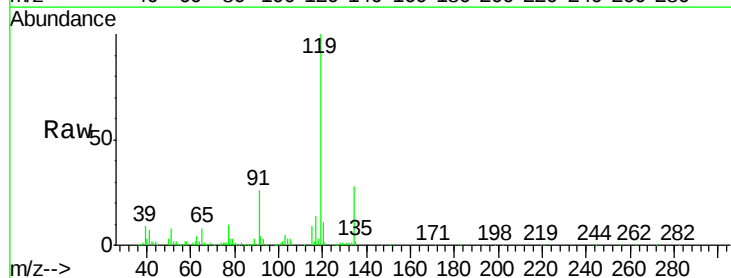
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

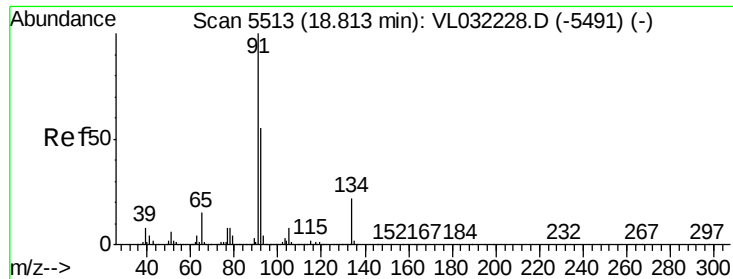
Tgt Ion: 95 Resp: 3691105
 Ion Ratio Lower Upper
 95 100
 174 54.8 44.6 67.0
 175 4.0 3.3 4.9



#69
 p-Isopropyltoluene
 Concen: 0.403 ppbv
 RT: 17.91 min Scan# 5233
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion: 119 Resp: 376026
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.1 30.1
 91 31.2 24.2 36.2





#70

n-Butylbenzene

Concen: 0.425 ppbv

RT: 18.81 min Scan# 5512

Delta R.T. -0.00 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

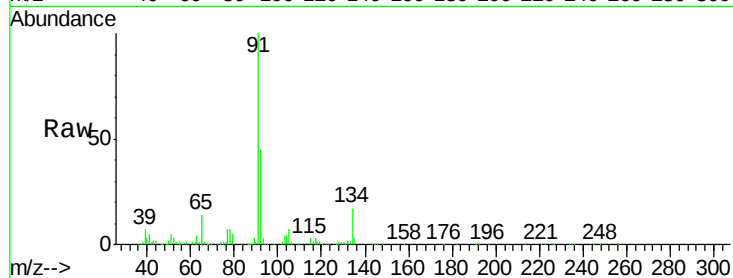
Tgt Ion: 91 Resp: 418826

Ion Ratio Lower Upper

91 100

92 51.1 43.6 65.4

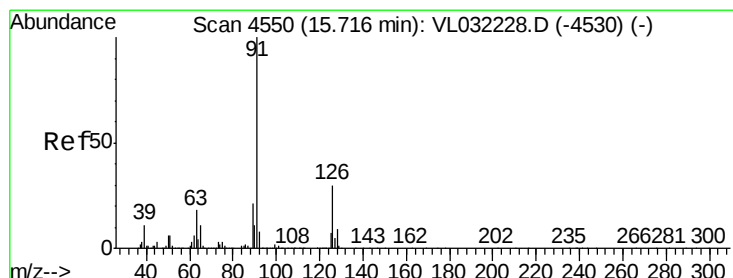
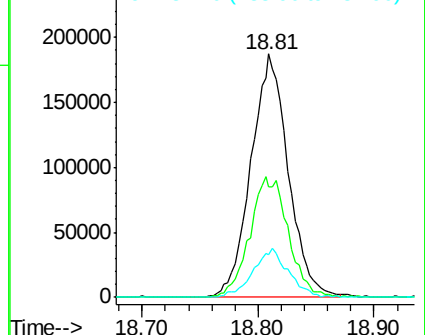
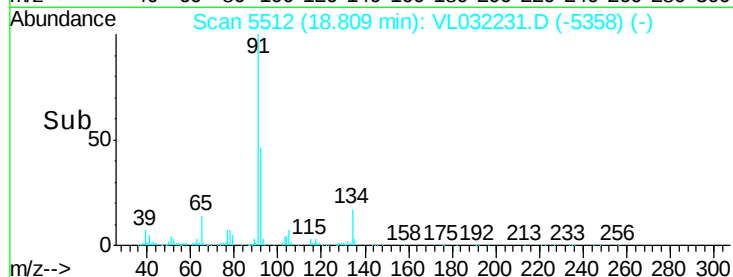
134 19.3 17.1 25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V



#71

2-Chlorotoluene

Concen: 0.449 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. -0.00 min

Lab File: VL032231.D

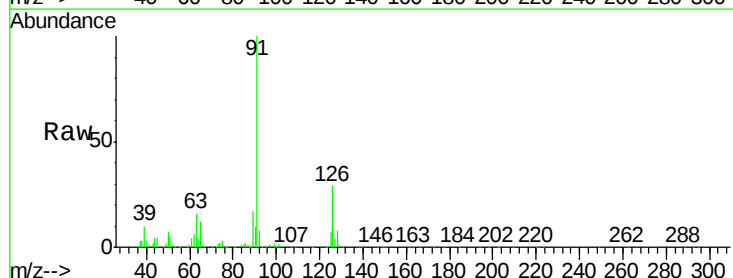
Acq: 12 Jul 2018 20:07

Tgt Ion: 91 Resp: 316839

Ion Ratio Lower Upper

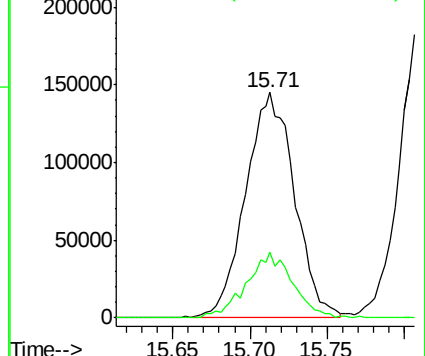
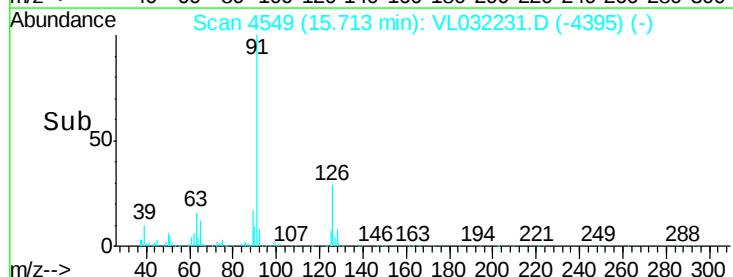
91 100

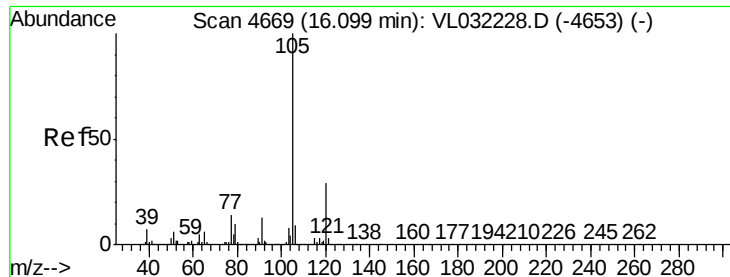
126 27.9 11.7 46.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.397 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 303994

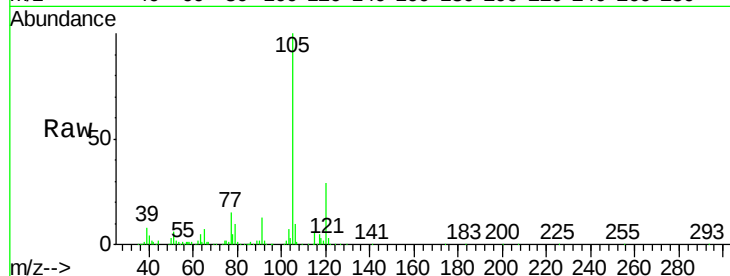
Ion Ratio Lower Upper

105 100

120 29.8 23.3 34.9

91 15.3 10.3 15.5

77 15.2 11.5 17.3

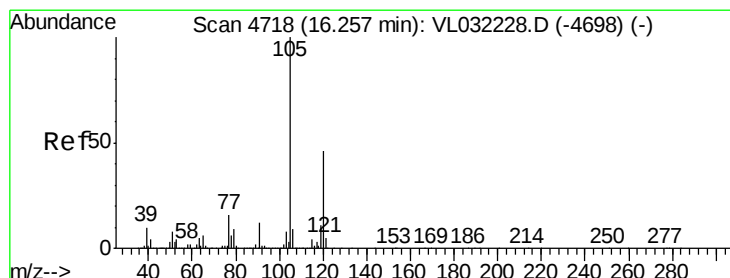
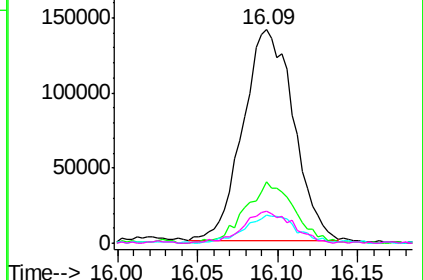
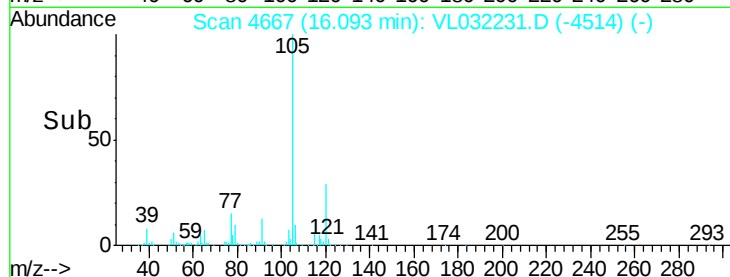


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.392 ppbv

RT: 16.25 min Scan# 4717

Delta R.T. -0.00 min

Lab File: VL032231.D

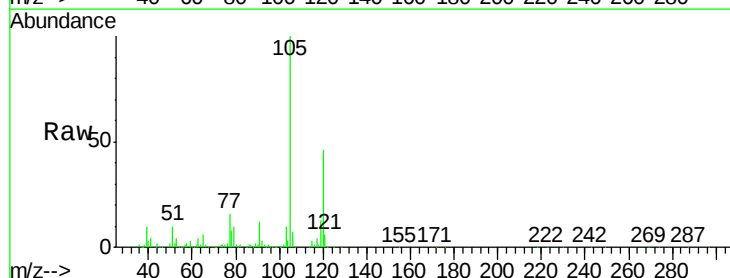
Acq: 12 Jul 2018 20:07

Tgt Ion:105 Resp: 282240

Ion Ratio Lower Upper

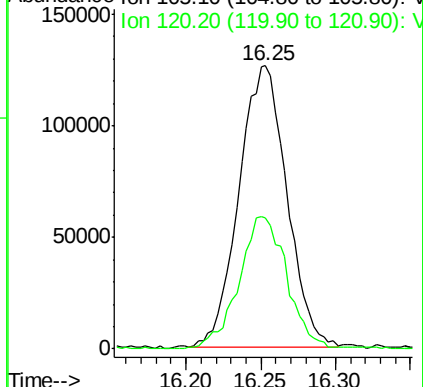
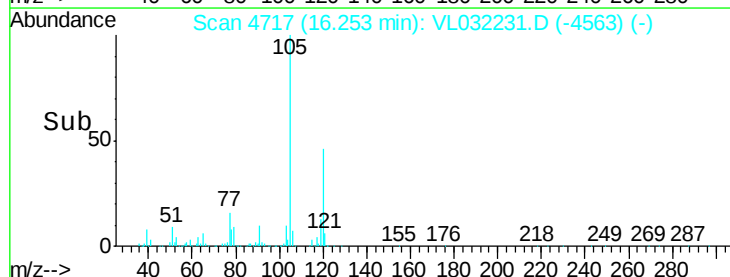
105 100

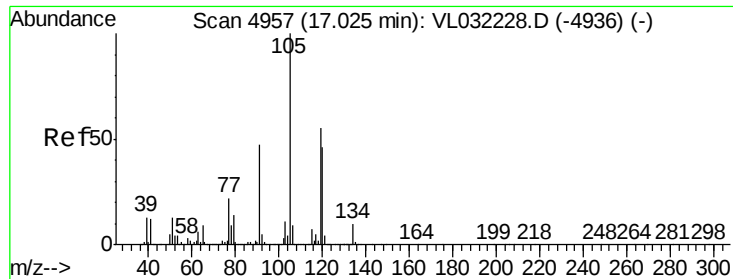
120 45.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.430 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 312953

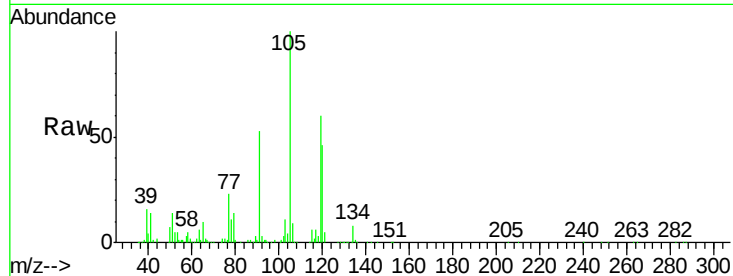
Ion Ratio Lower Upper

105 100

120 45.2 37.0 55.4

91 51.7 38.2 57.2

77 22.4 17.7 26.5

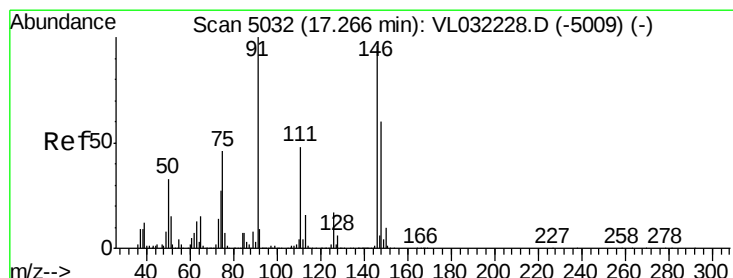
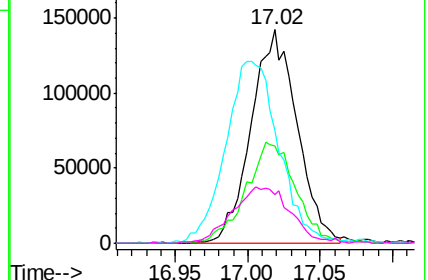
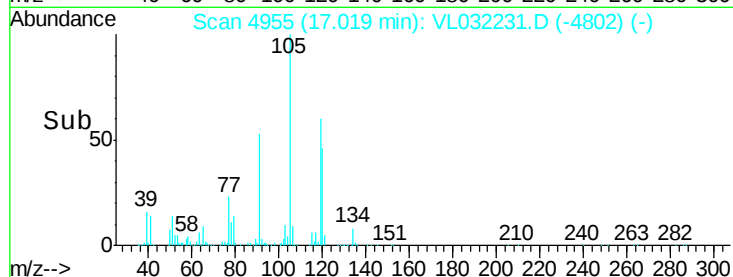


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.478 ppbv

RT: 17.26 min Scan# 5030

Delta R.T. -0.01 min

Lab File: VL032231.D

Acq: 12 Jul 2018 20:07

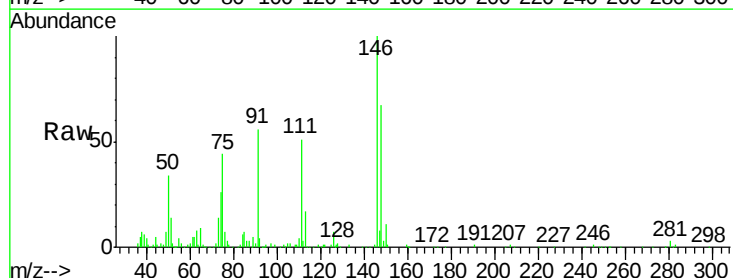
Tgt Ion:146 Resp: 196693

Ion Ratio Lower Upper

146 100

111 51.1 24.9 74.7

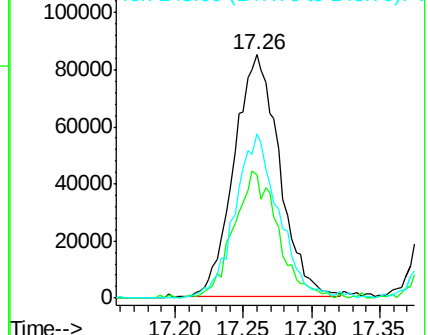
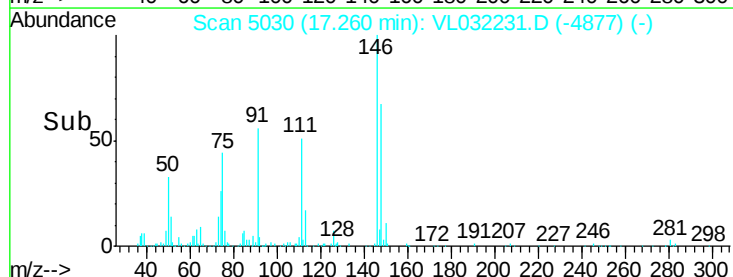
148 65.6 31.9 95.5

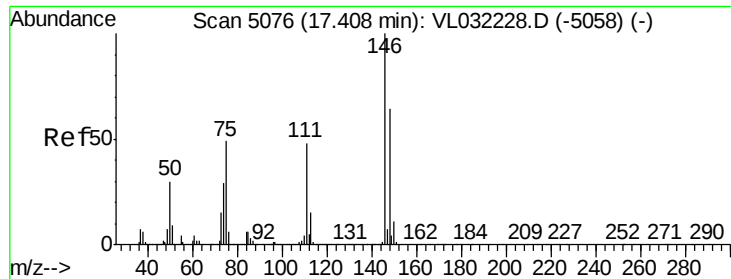


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

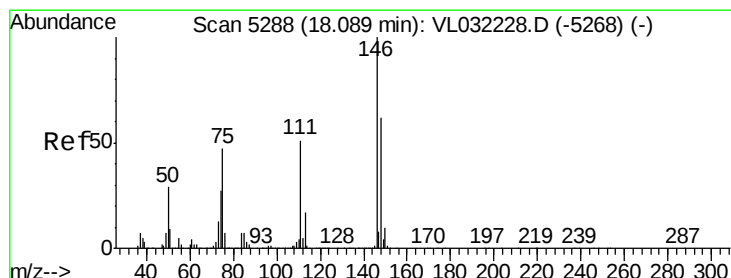
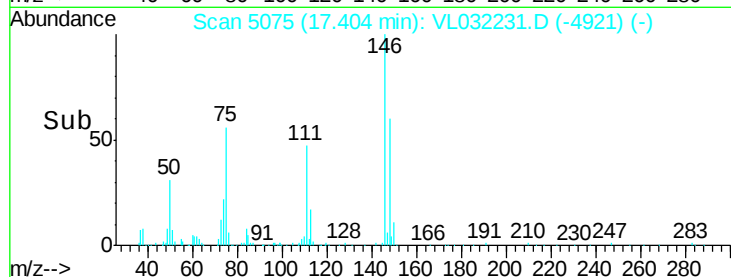
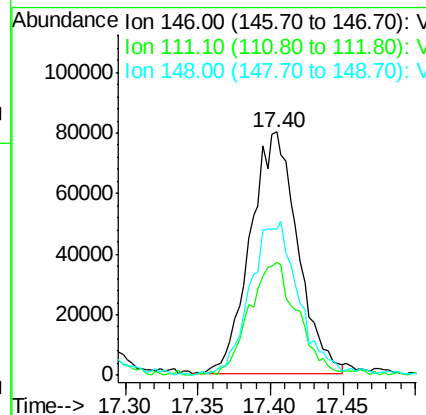
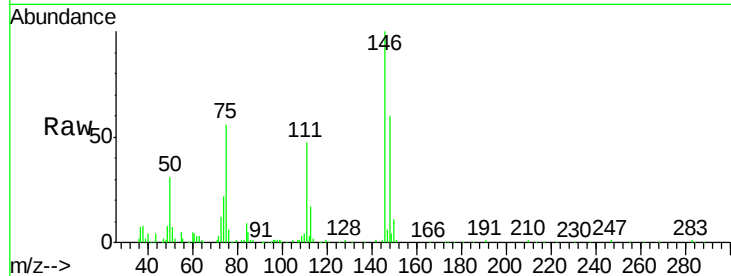




#76
 1,4-Dichlorobenzene
 Concen: 0.437 ppbv
 RT: 17.40 min Scan# 5075
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

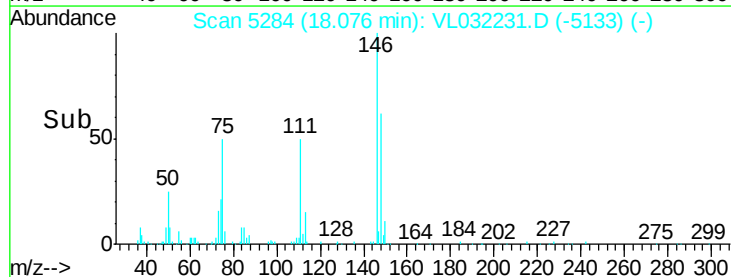
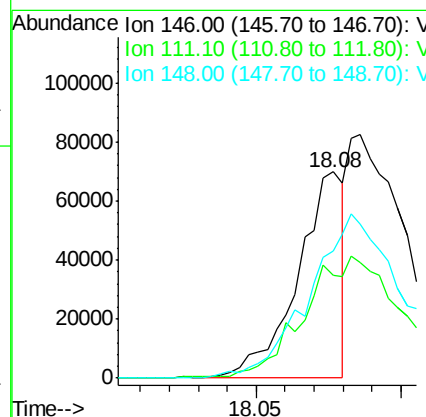
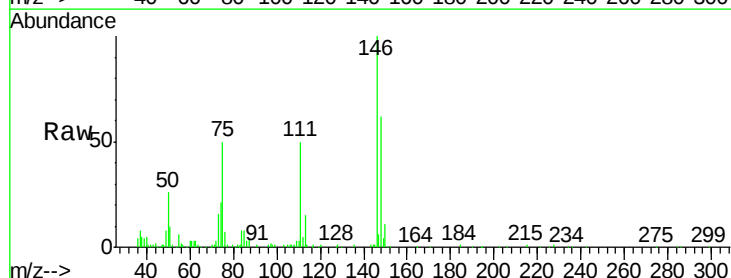
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

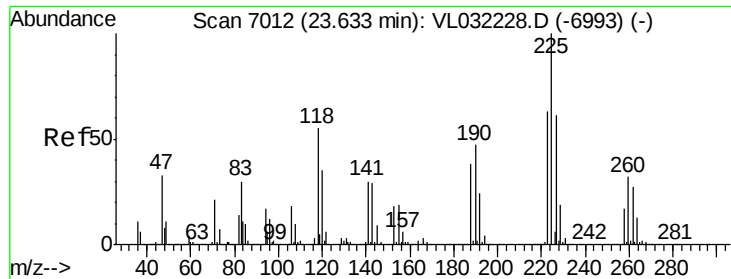
Tgt Ion:146 Resp: 181625
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.6 73.6
 148 66.8 32.3 96.9



#77
 1,2-Dichlorobenzene
 Concen: 0.189 ppbv
 RT: 18.08 min Scan# 5284
 Delta R.T. -0.01 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Tgt Ion:146 Resp: 77467
 Ion Ratio Lower Upper
 146 100
 111 0.0 26.1 78.3#
 148 0.0 32.0 96.0#

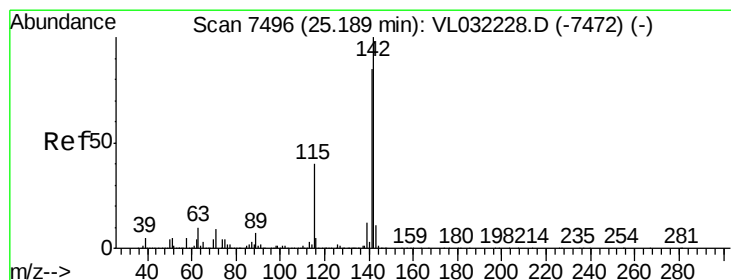
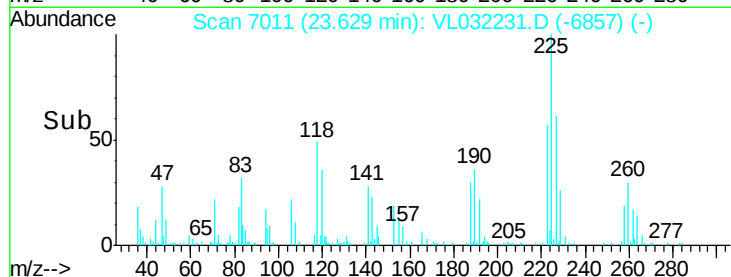
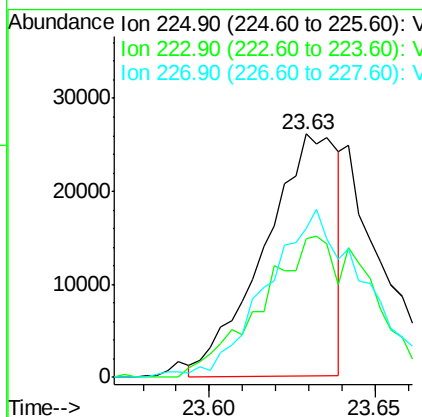
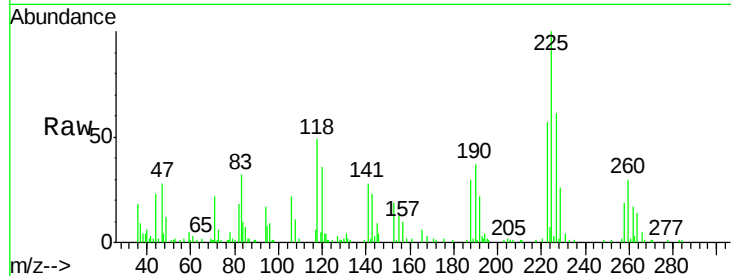




#78
Hexachloro-1,3-Butadiene
Concen: 0.287 ppbv
RT: 23.63 min Scan# 7011
Delta R.T. -0.00 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

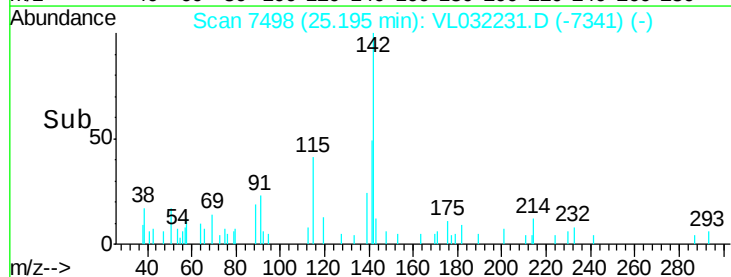
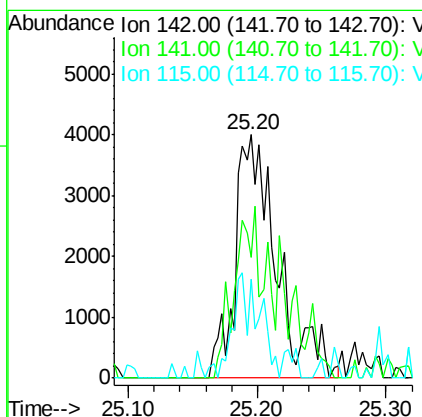
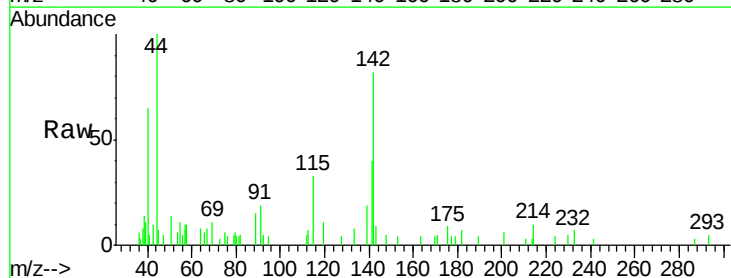
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

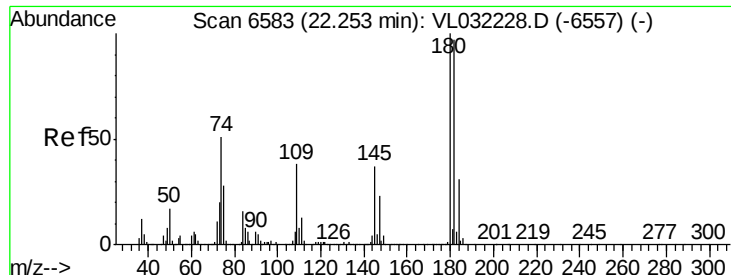
Tgt Ion: 225 Resp: 40191
Ion Ratio Lower Upper
225 100
223 90.5 50.3 75.5#
227 95.1 50.9 76.3#



#80
Naphthalene, 2-methyl-
Concen: 0.039 ppbv
RT: 25.20 min Scan# 7498
Delta R.T. 0.01 min
Lab File: VL032231.D
Acq: 12 Jul 2018 20:07

Tgt Ion: 142 Resp: 8920
Ion Ratio Lower Upper
142 100
141 67.8 67.0 100.6
115 33.1 32.6 49.0





#81
 1,2,4-Trichlorobenzene
 Concen: 0.173 ppbv
 RT: 22.25 min Scan# 6582
 Delta R.T. -0.00 min
 Lab File: VL032231.D
 Acq: 12 Jul 2018 20:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 50579
 Ion Ratio Lower Upper
 180 100
 182 139.9 76.1 114.1#
 184 48.5 24.2 36.4#

