

Data File : VL032650.D
Acq On : 17 Oct 2018 21:20
Operator : SY/AP
Sample : VL1017ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

Quant Time: Oct 18 09:56:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1233982	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.32	114	2671441	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3384856	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.60	95	2094074	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	837175	9.171	ppbv	98
3) Chlorodifluoromethane	3.03	51	951655	9.217	ppbv	99
4) Chloromethane	3.18	50	534178	9.478	ppbv	99
5) Vinyl Chloride	3.30	62	548348	9.656	ppbv	99
6) Bromomethane	3.53	94	339116	9.455	ppbv	96
7) Chloroethane	3.61	64	211914	9.534	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1264702	9.092	ppbv	99
9) Propene	3.05	41	378692	10.005	ppbv	98
10) Heptane	8.26	43	1557374	10.987	ppbv	99
11) Trichlorofluoromethane	4.02	101	1516384	9.566	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1071130	9.229	ppbv	99
13) Ethanol	3.66	45	113990	9.732	ppbv	98
14) Bromoethene	3.80	108	456503	10.751	ppbv	98
15) Acetone	3.92	43	1096482	9.985	ppbv	99
16) 1,3-Butadiene	3.38	39	431553	10.613	ppbv	90
17) tert-Butyl alcohol	4.37	59	111309	11.106	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	582894	11.137	ppbv	93
19) Isopropyl Alcohol	4.04	45	791339	10.204	ppbv	99
20) Methylene Chloride	4.43	84	513137	10.431	ppbv	95
21) Allyl Chloride	4.49	41	859233	10.426	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	581654	9.619	ppbv	95
23) Vinyl Acetate	5.17	43	1932482	11.062	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1564666	9.661	ppbv	99
25) Ethyl Acetate	5.79	43	2677069	10.303	ppbv	100
26) Hexane	5.80	57	1234864	10.551	ppbv	98
27) Carbon Disulfide	4.64	76	1400008	9.899	ppbv	98
28) Methyl tert-Butyl Ether	5.13	73	1586759	10.788	ppbv	99
29) Chloroform	5.87	83	1980693	9.656	ppbv	97
30) Cyclohexane	7.27	84	1019231	11.043	ppbv	100
31) cis-1,2-Dichloroethene	5.66	61	1137499	10.117	ppbv	96
32) 1,1,1-Trichloroethane	6.64	97	1901982	9.294	ppbv	99
34) 2-Butanone	5.35	43	1716853	11.579	ppbv	99
35) Carbon Tetrachloride	7.16	117	2018006	9.747	ppbv	98
36) Benzene	7.03	78	2465689	11.387	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1565149	10.539	ppbv	100
38) Trichloroethene	7.98	130	905242	11.119	ppbv	97
39) 1,2-Dichloropropane	7.76	63	979974	11.125	ppbv	97
40) 1,4-Dioxane	7.97	88	359892	11.826	ppbv #	97
41) Tetrahydrofuran	6.17	42	971006	12.343	ppbv	100
42) Bromodichloromethane	7.94	83	2169498	10.717	ppbv	98
43) Methyl Methacrylate	8.16	69	1040471	12.392	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4339378	11.304	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1443724	13.151	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	1544830	12.361	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1103153	10.480	ppbv	98
48) Dibromochloromethane	10.48	129	1899216	10.623	ppbv	99
49) Bromoform	13.23	173	1447513	10.715	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	2506246	11.484	ppbv	100
51) 2-Hexanone	10.29	43	2193692	12.783	ppbv	99
52) Tetrachloroethene	11.40	164	829047	11.630	ppbv	98
53) Toluene	9.97	91	3074491	12.454	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1682555	11.163	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1229286	7.909	ppbv	99
57) Chlorobenzene	12.33	112	2119967	8.235	ppbv #	96
58) Ethyl Benzene	12.89	91	3857106	10.147	ppbv	98
59) m/p-Xylene	13.17	91	2638531	7.776	ppbv #	6
60) o-Xylene	13.87	91	3128459	9.252	ppbv	98
61) Styrene	13.71	104	2227503	10.870	ppbv	98
62) Isopropylbenzene	14.85	105	4377756	9.088	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2344277	7.856	ppbv	100
64) n-propylbenzene	15.75	120	1114338	9.129	ppbv	96
65) tert-Butylbenzene	16.93	119	3689372	9.026	ppbv	98
66) Benzyl Chloride	17.18	91	2155928	9.355	ppbv	99
67) sec-Butylbenzene	17.48	105	5483733	8.914	ppbv	99
69) p-Isopropyltoluene	17.84	119	4365899	9.377	ppbv	99
70) n-Butylbenzene	18.74	91	4757633	9.274	ppbv	100
71) 2-Chlorotoluene	15.64	91	3464328	9.729	ppbv	100
72) 4-Ethyltoluene	16.02	105	3544078	9.696	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3415940	9.396	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	3481400	8.698	ppbv #	91
75) 1,3-Dichlorobenzene	17.19	146	1886825	8.111	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	1856840	8.760	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	1872754	8.374	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	735441	5.876	ppbv	100
79) Naphthalene	22.44	128	2847227	10.460	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	750992	8.635	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1325640	9.811	ppbv	99

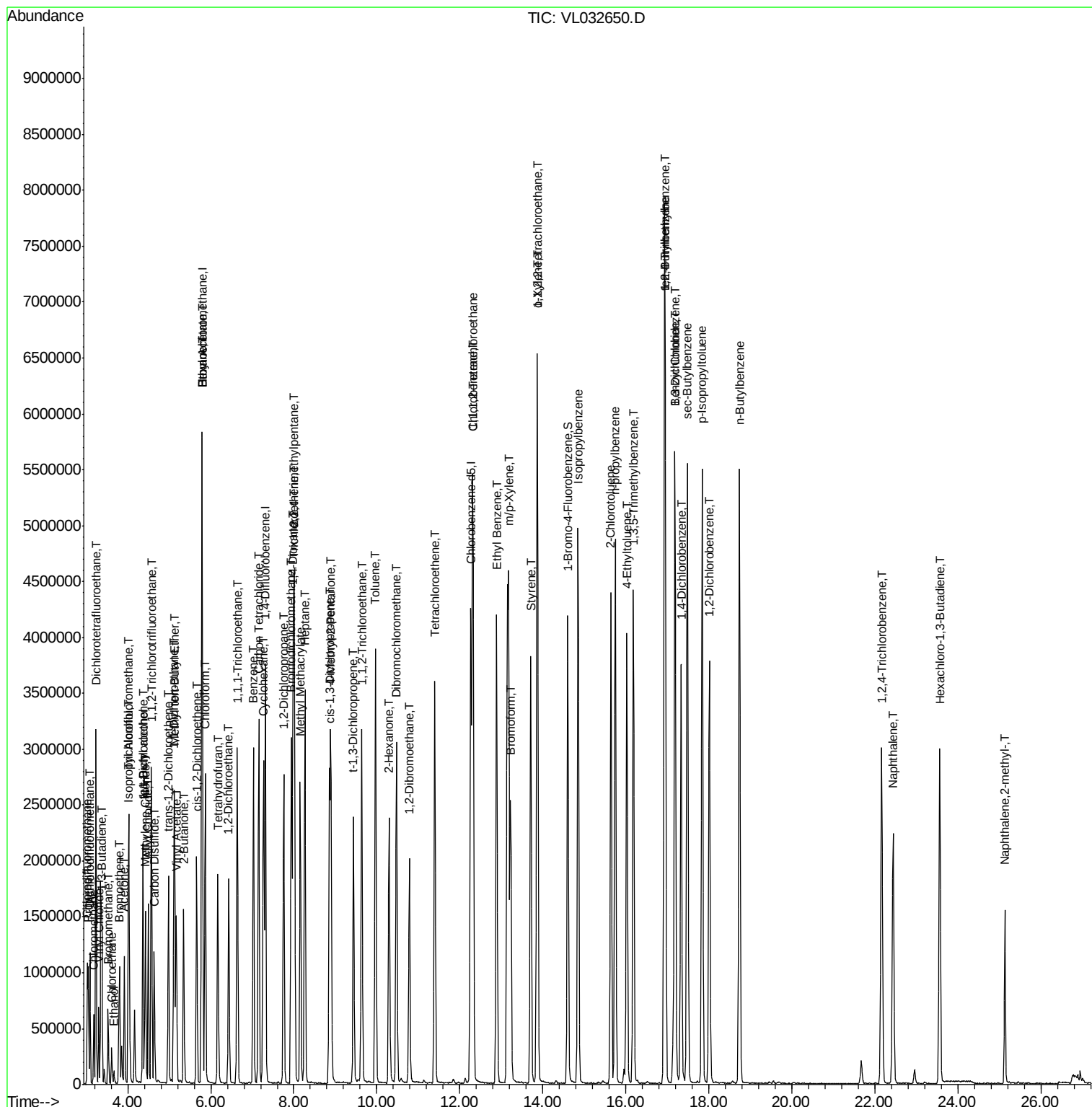
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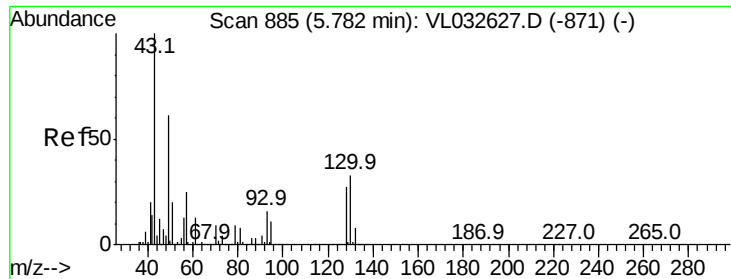
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL032650.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

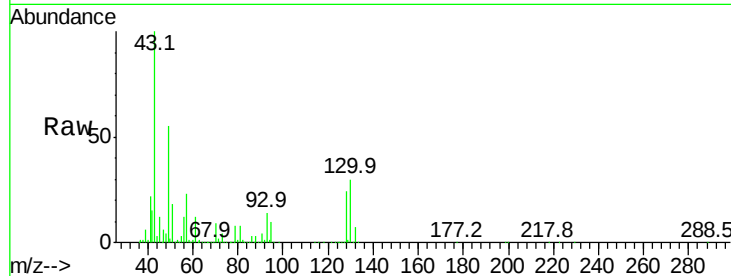
Tgt Ion: 49 Resp: 1233982

Ion Ratio Lower Upper

49 100

128 43.9 22.3 66.8

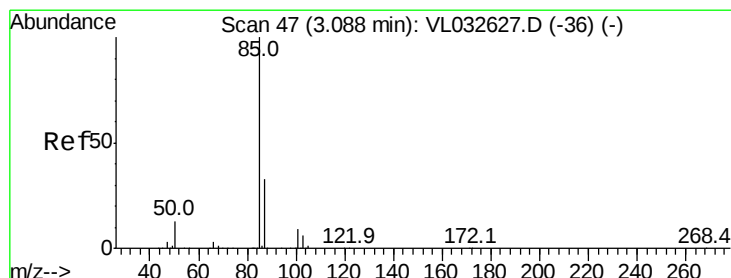
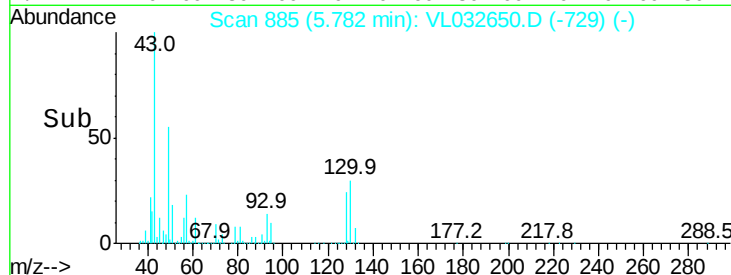
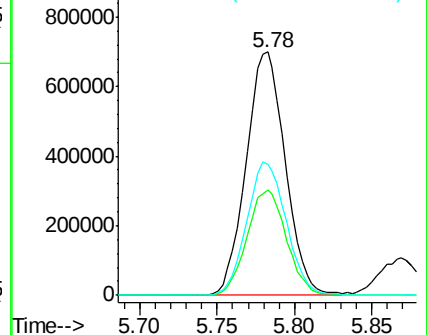
130 55.5 28.4 85.3



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: 9.171 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032650.D

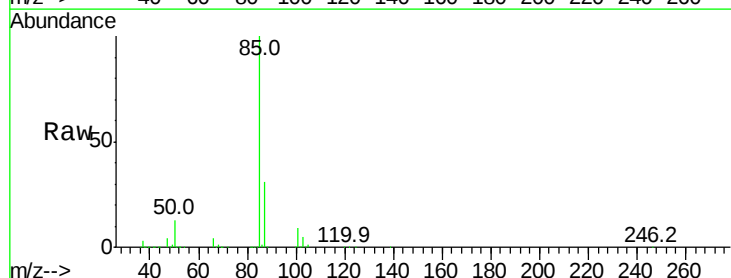
Acq: 17 Oct 2018 21:20

Tgt Ion: 85 Resp: 837175

Ion Ratio Lower Upper

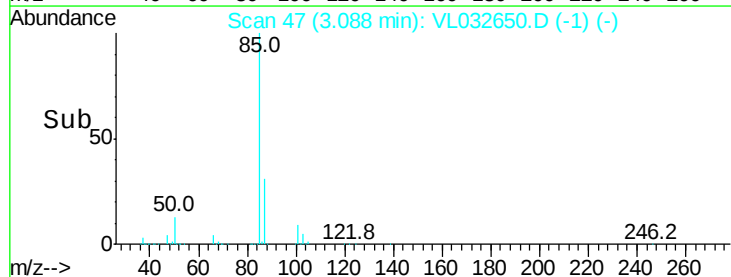
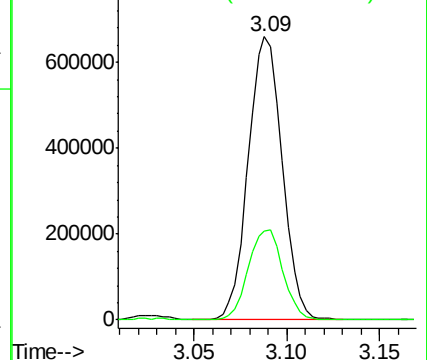
85 100

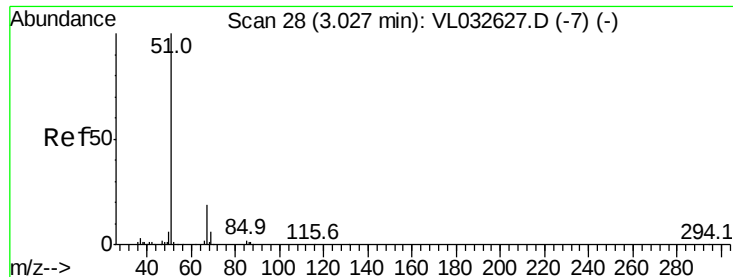
87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

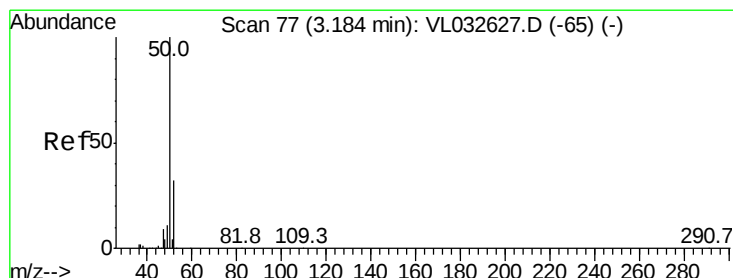
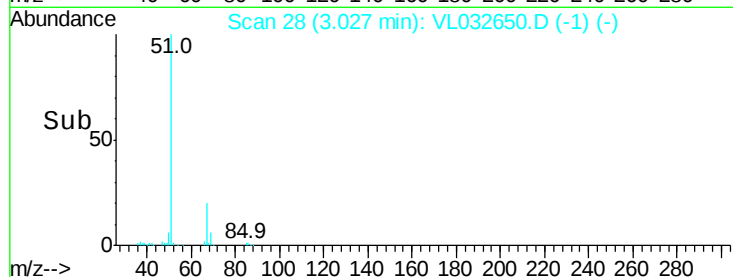
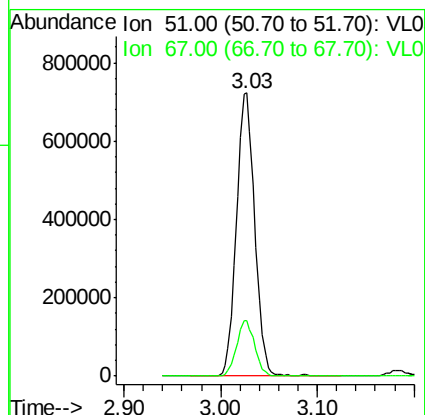
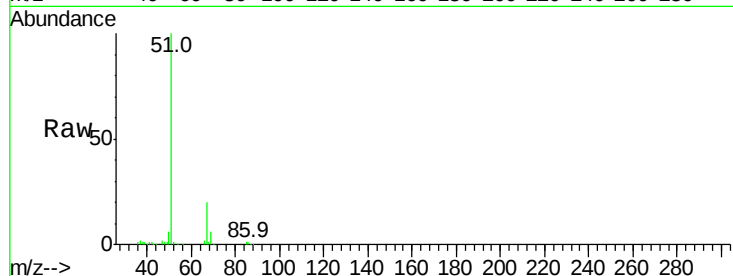




#3
 Chlorodifluoromethane
 Concen: 9.217 ppbv
 RT: 3.03 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

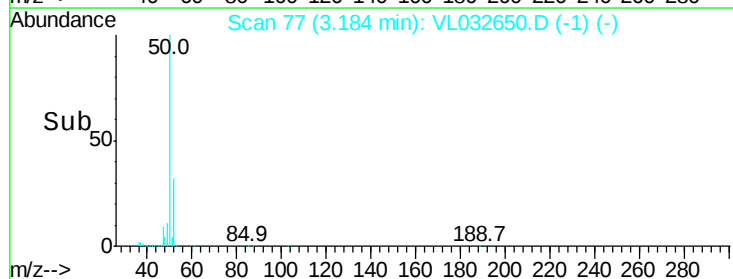
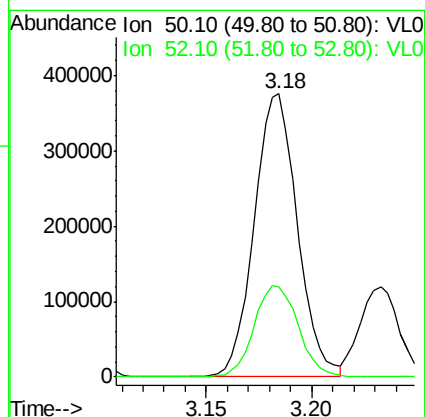
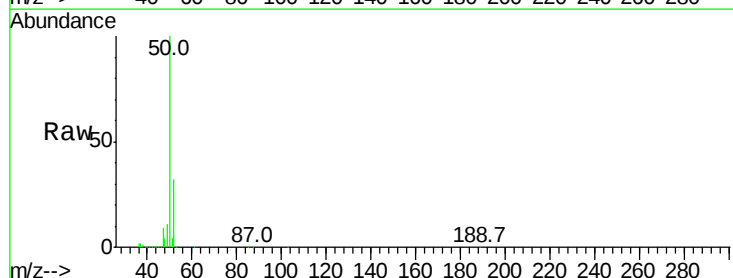
Instrument :
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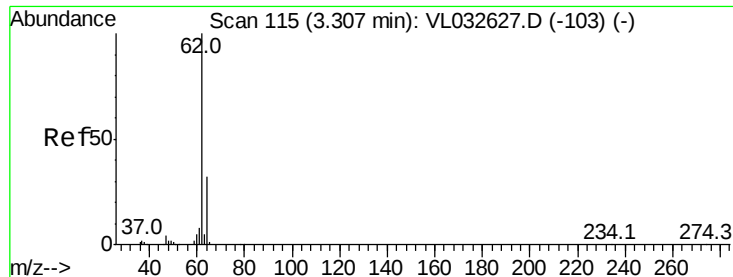
Tgt Ion: 51 Resp: 951655
 Ion Ratio Lower Upper
 51 100
 67 19.5 15.2 22.8



#4
 Chloromethane
 Concen: 9.478 ppbv
 RT: 3.18 min Scan# 77
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 50 Resp: 534178
 Ion Ratio Lower Upper
 50 100
 52 31.8 25.9 38.9





#5

Vinyl Chloride

Concen: 9.656 ppbv

RT: 3.30 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

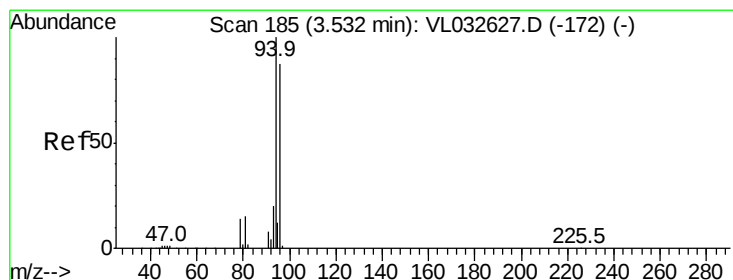
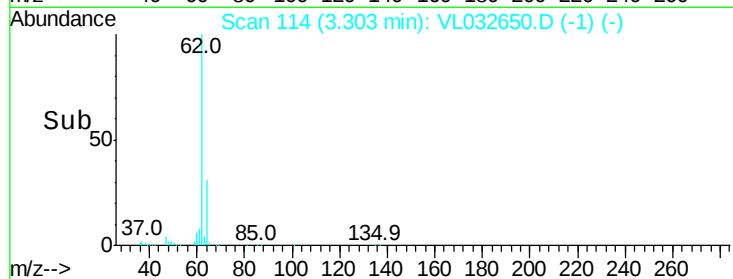
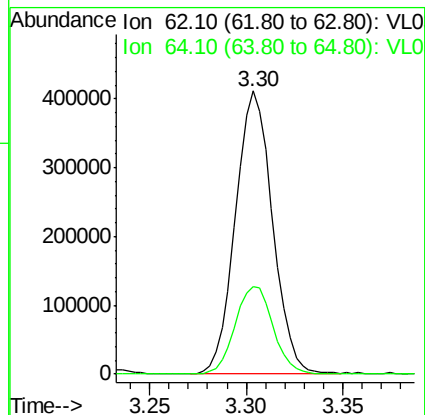
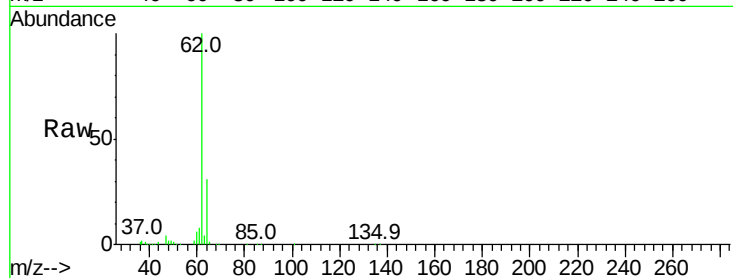
VL1017ABS01DUP

Tgt Ion: 62 Resp: 548348

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



#6

Bromomethane

Concen: 9.455 ppbv

RT: 3.53 min Scan# 184

Delta R.T. -0.00 min

Lab File: VL032650.D

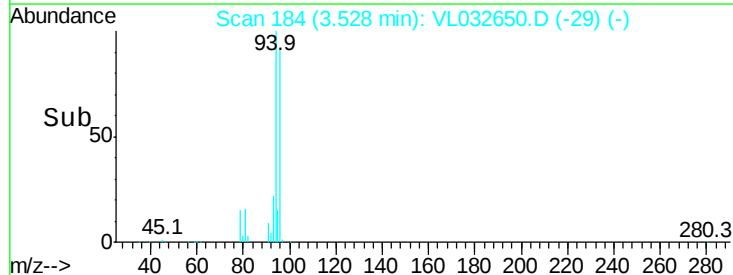
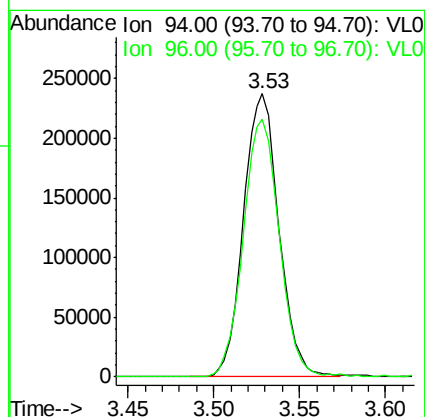
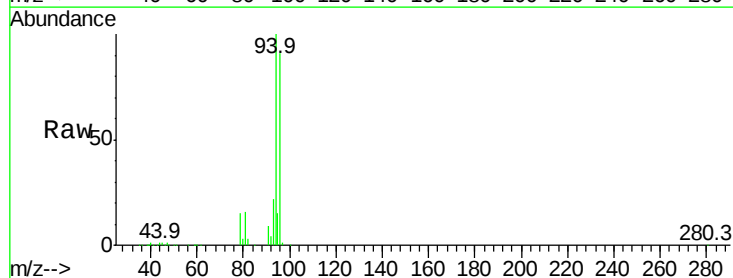
Acq: 17 Oct 2018 21:20

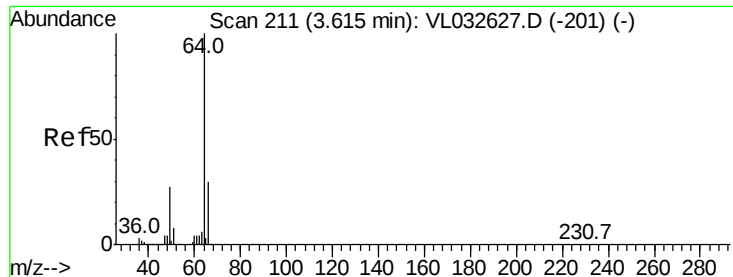
Tgt Ion: 94 Resp: 339116

Ion Ratio Lower Upper

94 100

96 91.2 69.8 104.8





#7

Chloroethane

Concen: 9.534 ppbv

RT: 3.61 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

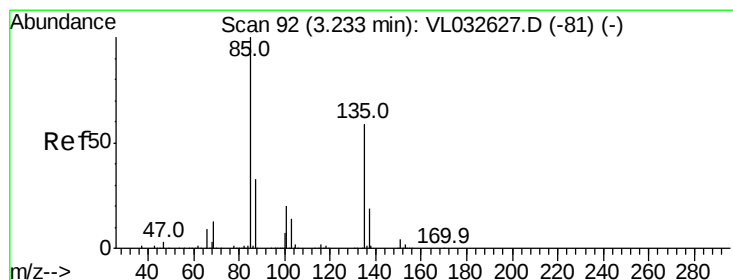
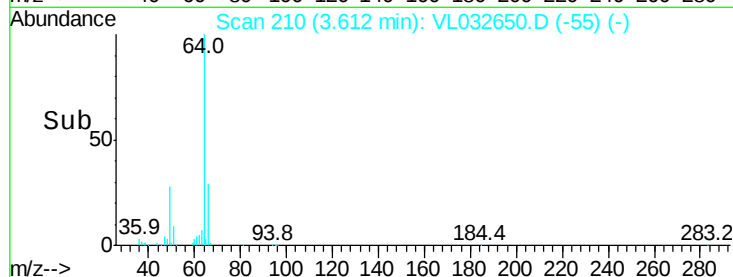
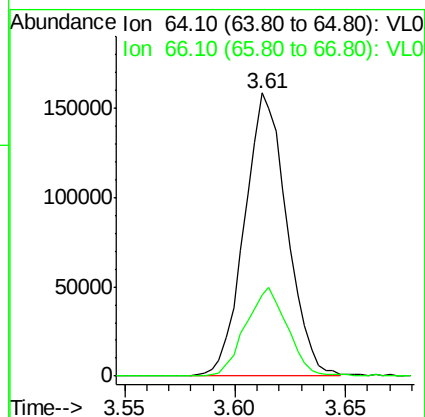
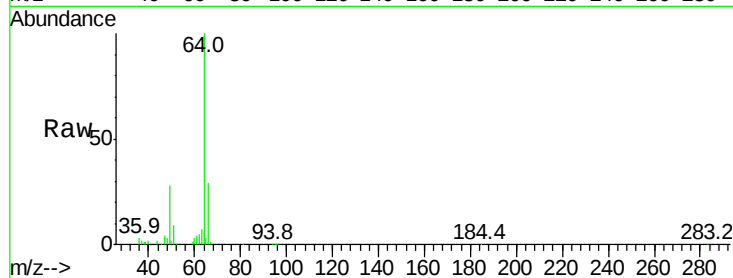
VL1017ABS01DUP

Tgt Ion: 64 Resp: 211914

Ion Ratio Lower Upper

64 100

66 28.7 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 9.092 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032650.D

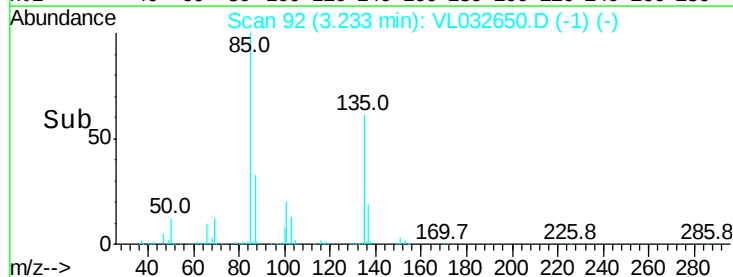
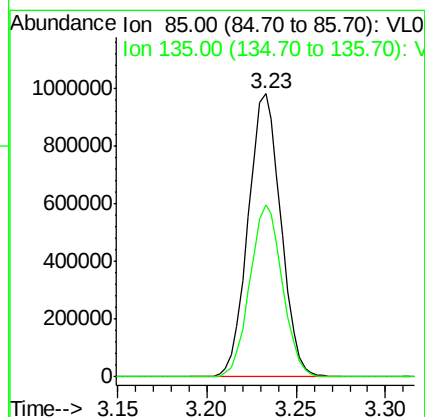
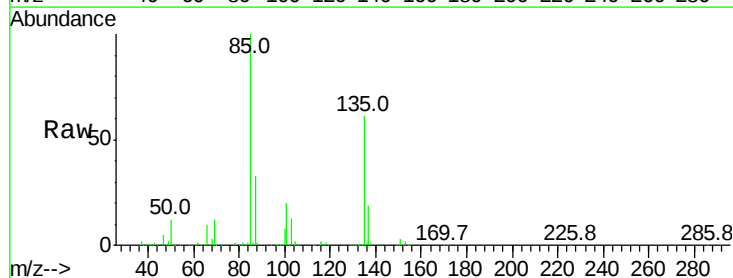
Acq: 17 Oct 2018 21:20

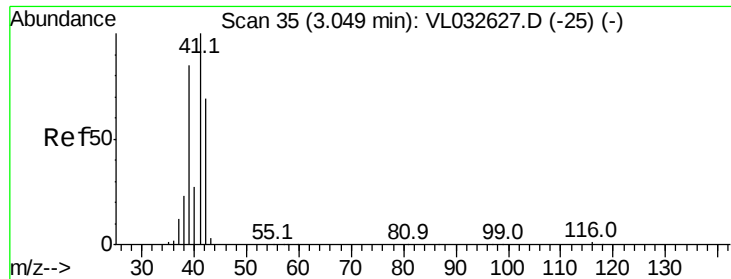
Tgt Ion: 85 Resp: 1264702

Ion Ratio Lower Upper

85 100

135 60.5 49.0 73.4





#9

Propene

Concen: 10.005 ppbv

RT: 3.05 min Scan# 34

Delta R.T. -0.00 min

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ClientSampleId :

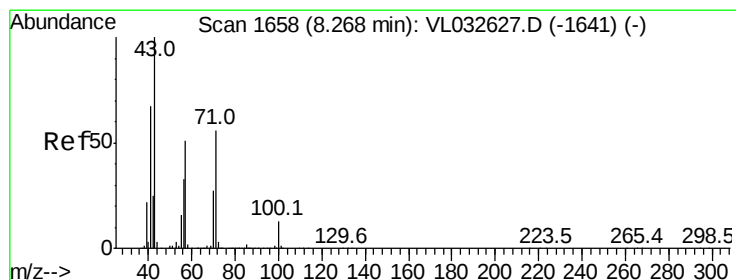
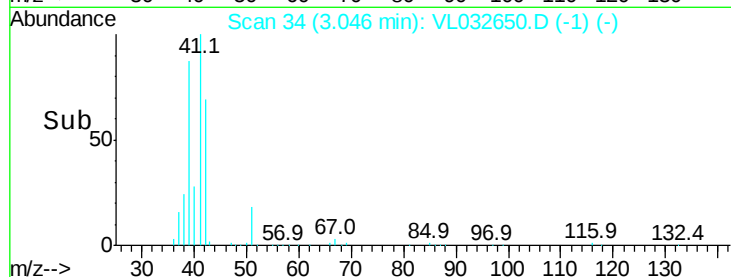
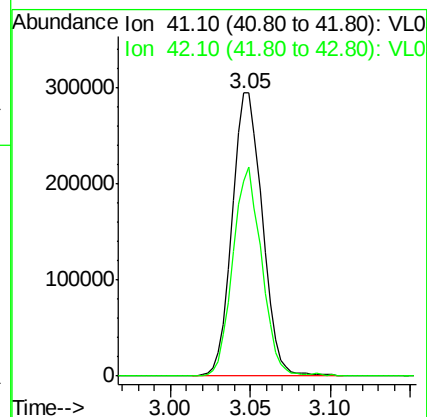
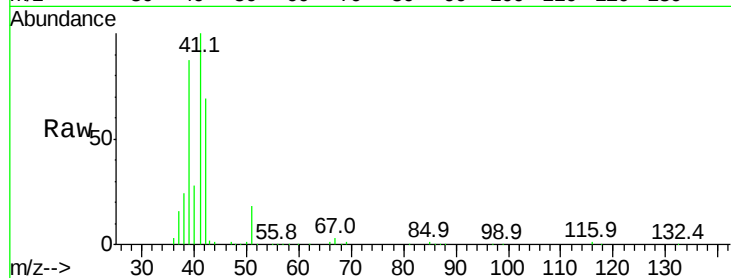
VL1017ABS01DUP

Tgt Ion: 41 Resp: 378692

Ion Ratio Lower Upper

41 100

42 71.0 55.4 83.0



#10

Heptane

Concen: 10.987 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032650.D

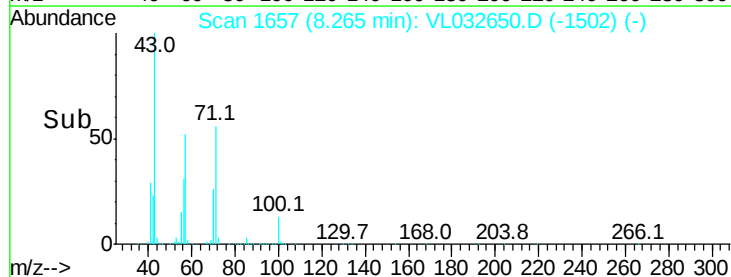
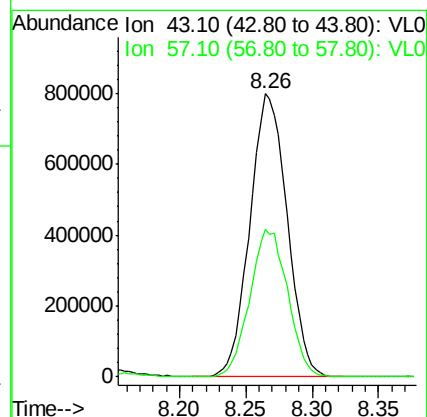
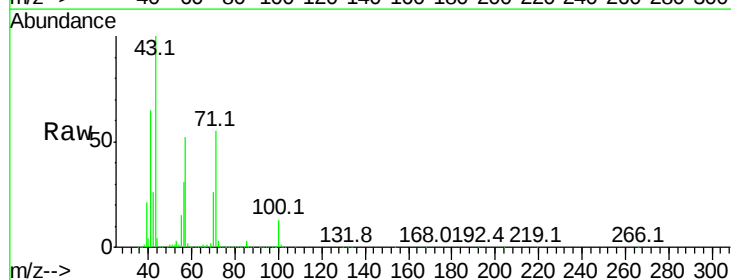
Acq: 17 Oct 2018 21:20

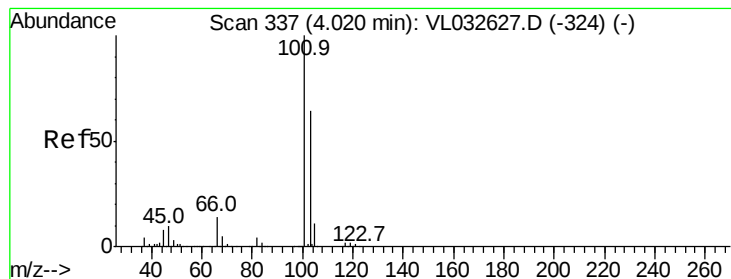
Tgt Ion: 43 Resp: 1557374

Ion Ratio Lower Upper

43 100

57 52.9 41.5 62.3





#11

Trichlorofluoromethane

Concen: 9.566 ppbv

RT: 4.02 min Scan# 336

Delta R.T. -0.00 min

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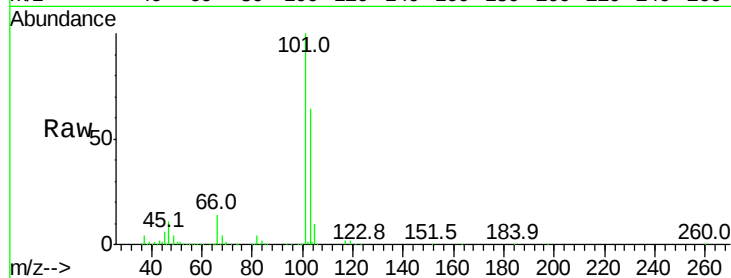
VL1017ABS01DUP

Tgt Ion:101 Resp: 1516384

Ion Ratio Lower Upper

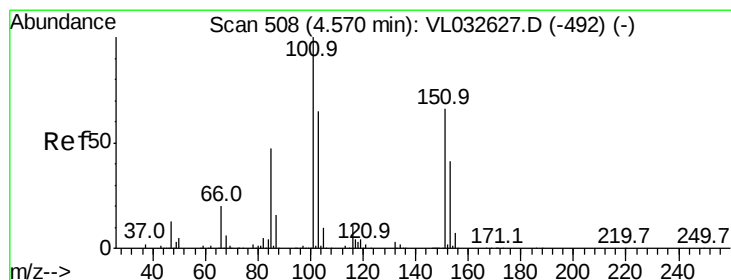
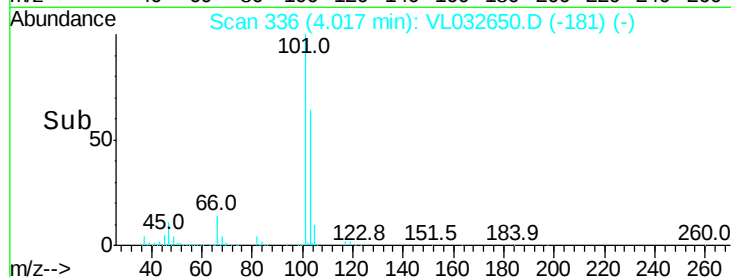
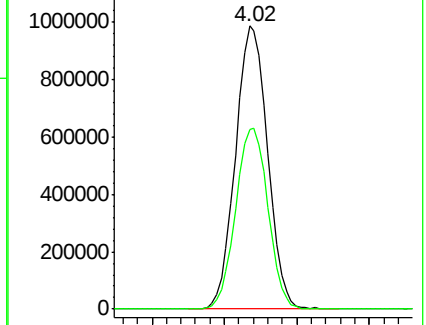
101 100

103 63.6 51.4 77.2



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: 9.229 ppbv

RT: 4.57 min Scan# 507

Delta R.T. -0.00 min

Lab File: VL032650.D

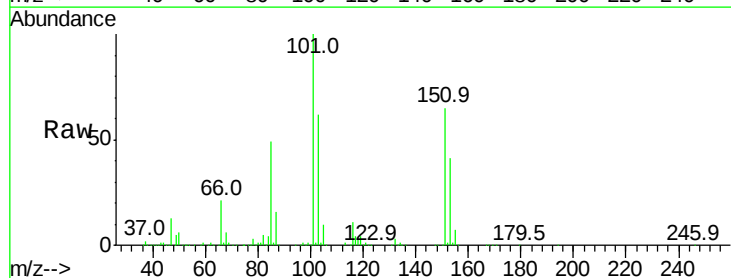
Acq: 17 Oct 2018 21:20

Tgt Ion:101 Resp: 1071130

Ion Ratio Lower Upper

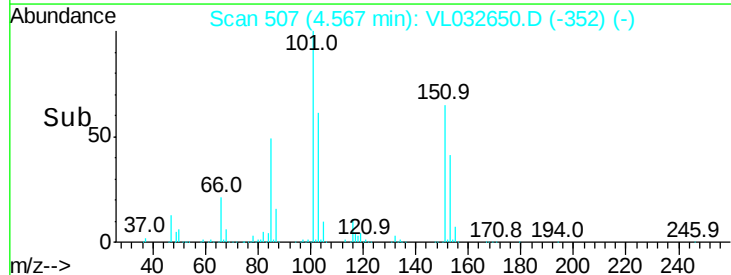
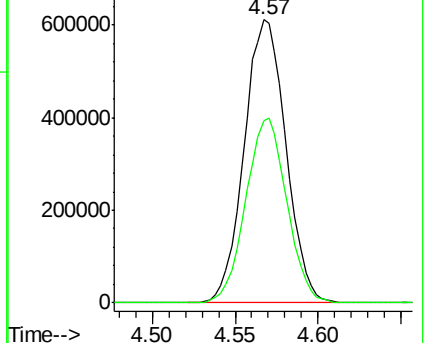
101 100

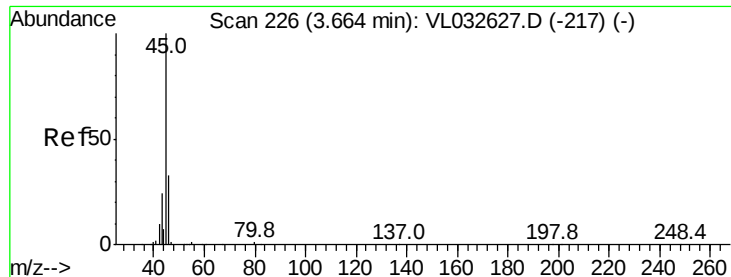
151 64.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.732 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

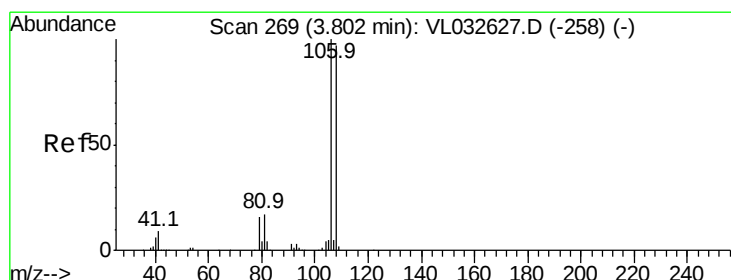
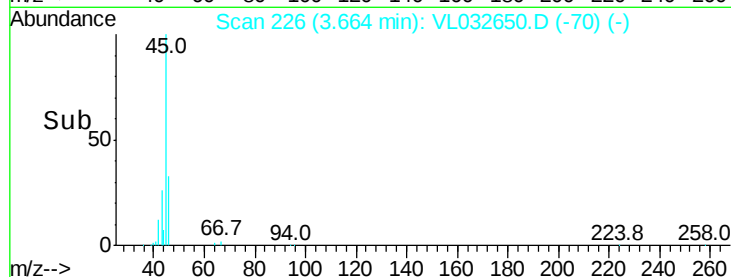
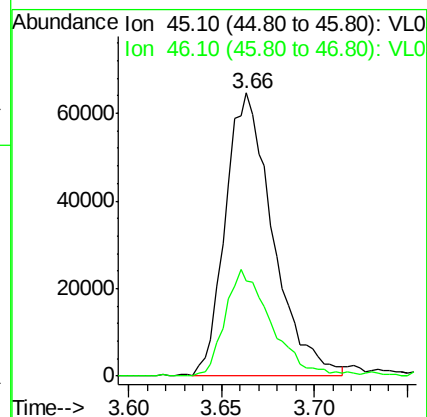
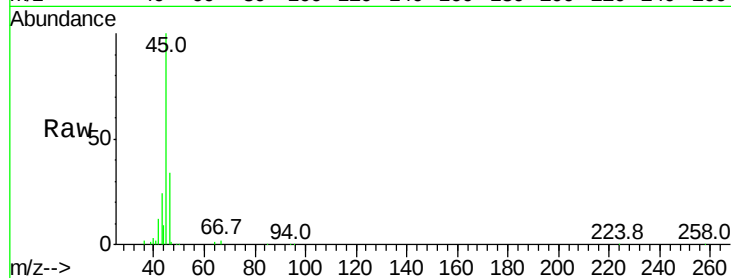
VL1017ABS01DUP

Tgt Ion: 45 Resp: 113990

Ion Ratio Lower Upper

45 100

46 37.7 15.4 61.8



#14

Bromoethene

Concen: 10.751 ppbv

RT: 3.80 min Scan# 269

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

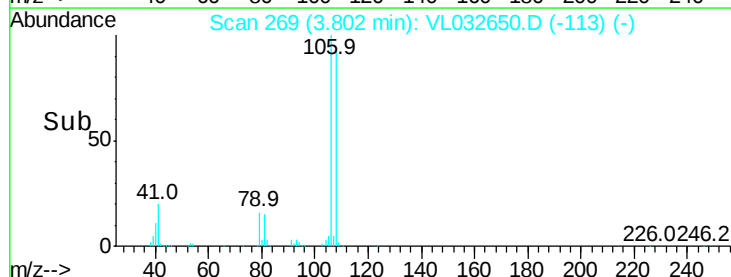
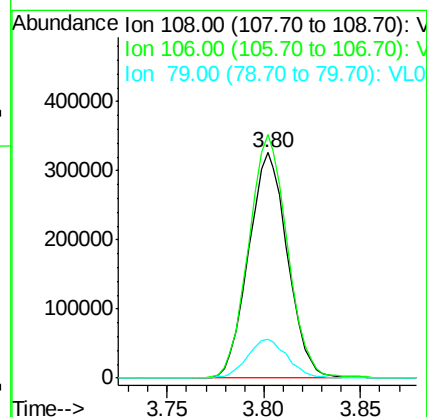
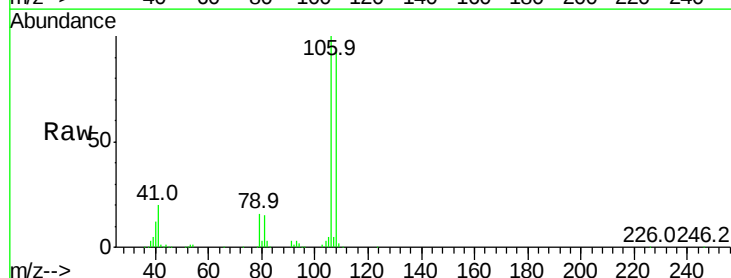
Tgt Ion: 108 Resp: 456503

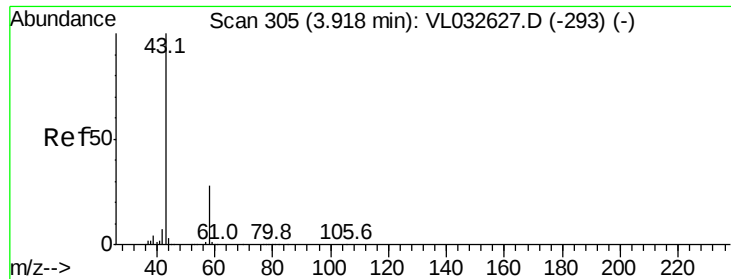
Ion Ratio Lower Upper

108 100

106 108.3 85.0 127.4

79 18.0 13.7 20.5





#15

Acetone

Concen: 9.985 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

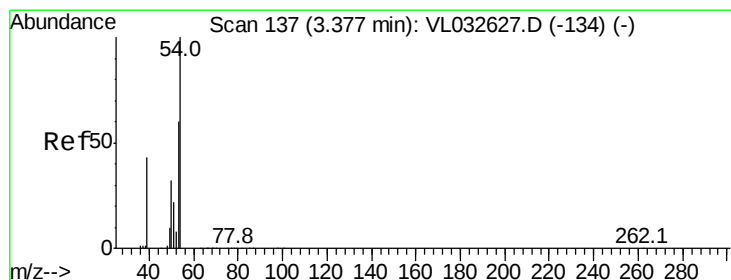
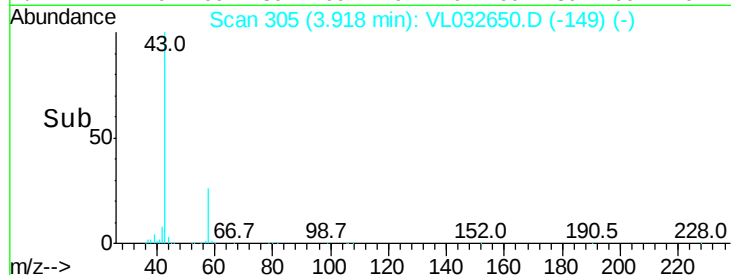
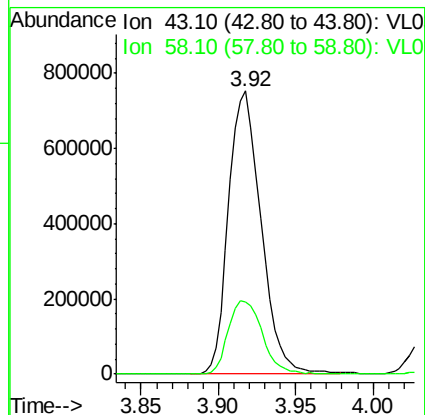
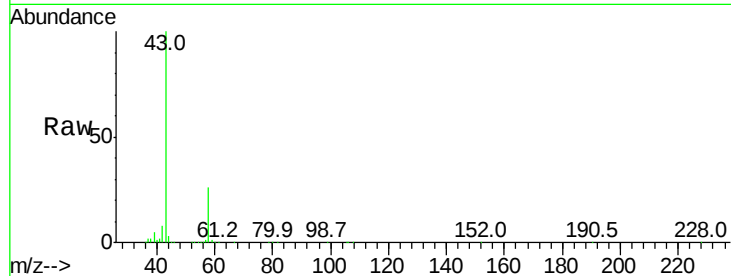
VL1017ABS01DUP

Tgt Ion: 43 Resp: 1096482

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#16

1,3-Butadiene

Concen: 10.613 ppbv

RT: 3.38 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL032650.D

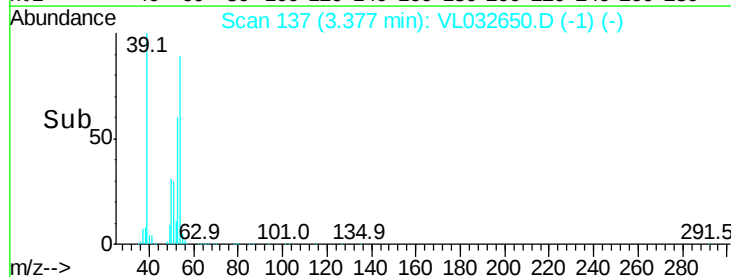
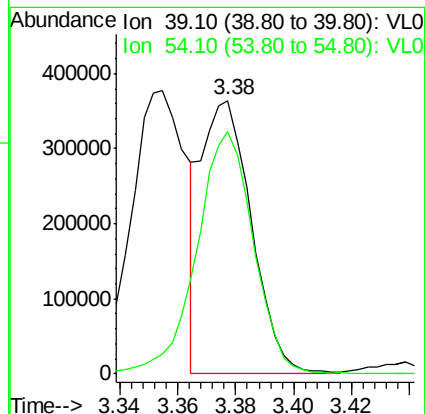
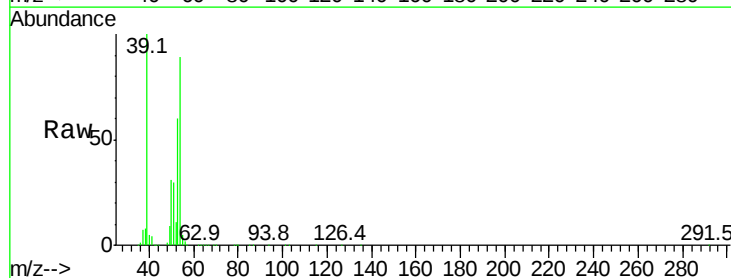
Acq: 17 Oct 2018 21:20

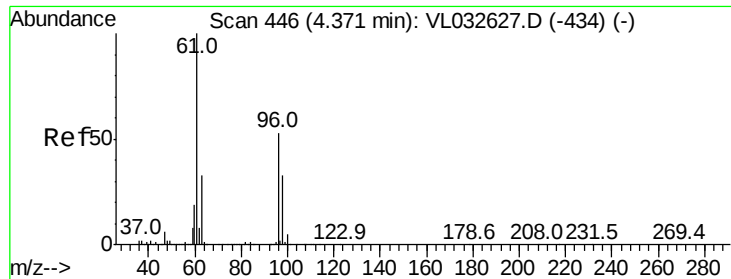
Tgt Ion: 39 Resp: 431553

Ion Ratio Lower Upper

39 100

54 102.5 90.4 135.6

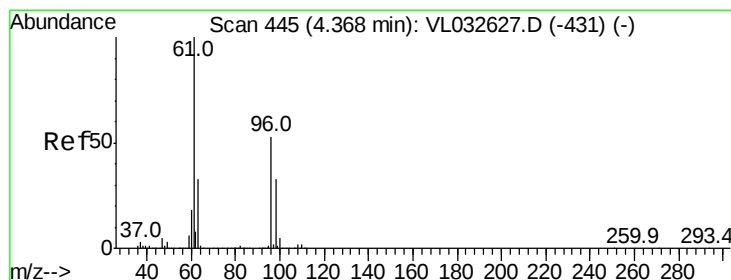
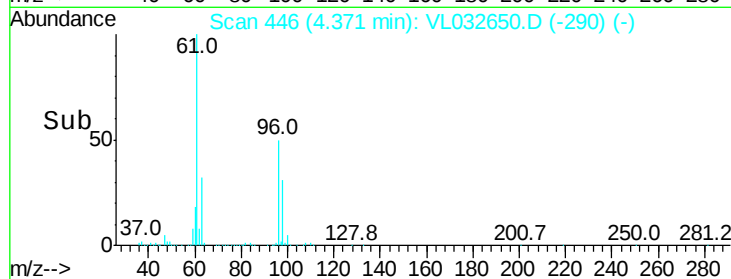
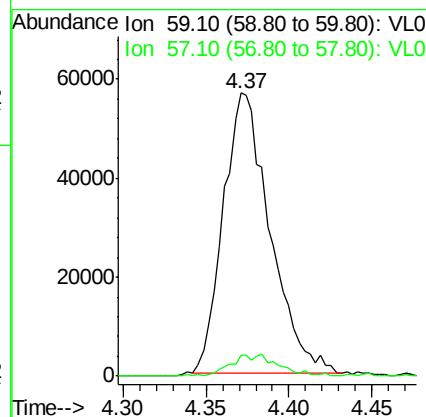
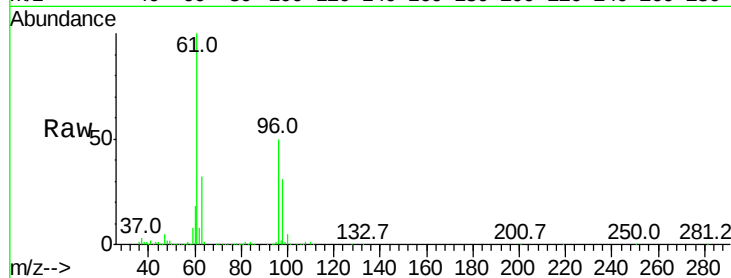




#17
 tert-Butyl alcohol
 Concen: 11.106 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

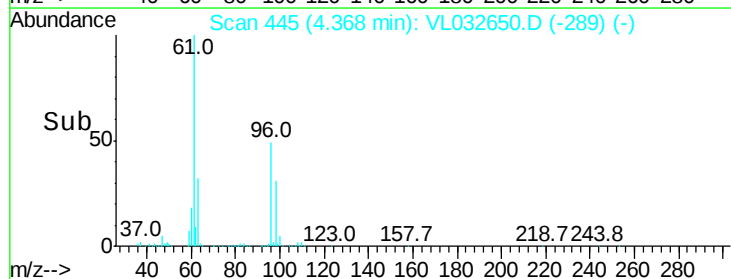
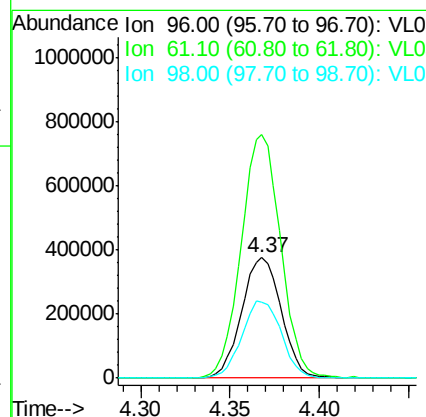
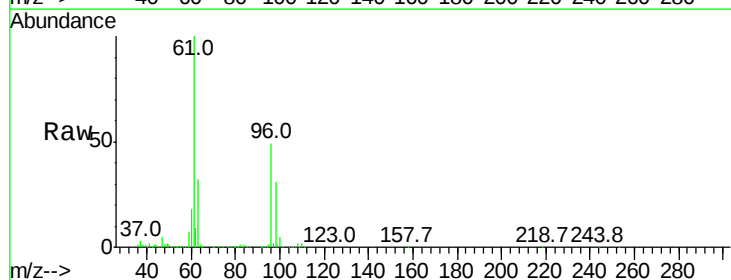
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

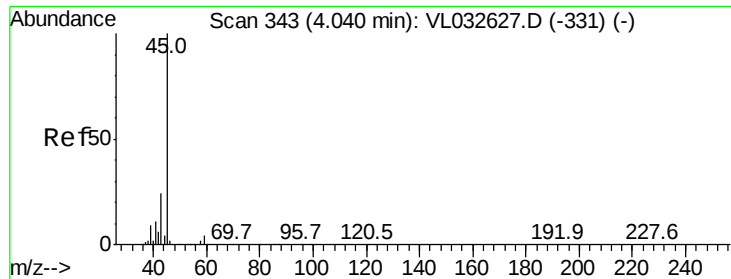
Tgt Ion: 59 Resp: 111309
 Ion Ratio Lower Upper
 59 100
 57 7.9 0.0 0.0#



#18
 1,1-Dichloroethene
 Concen: 11.137 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 96 Resp: 582894
 Ion Ratio Lower Upper
 96 100
 61 202.3 151.6 227.4
 98 63.5 50.6 75.8





#19

Isopropyl Alcohol

Concen: 10.204 ppbv

RT: 4.04 min Scan# 342

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

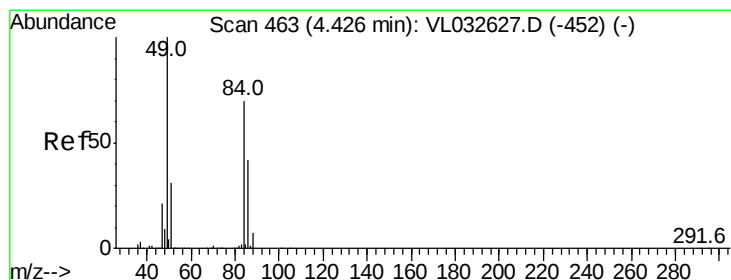
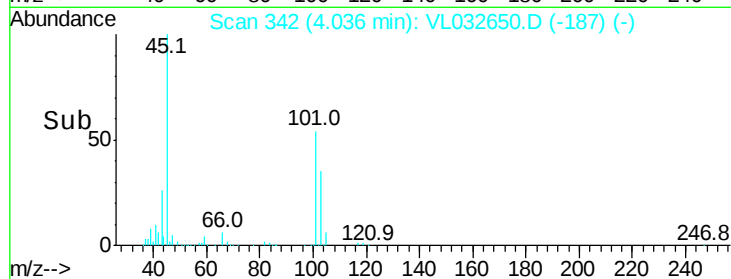
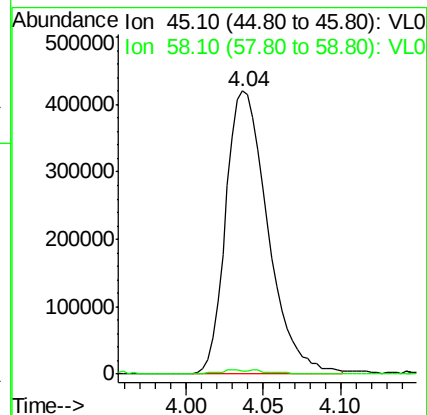
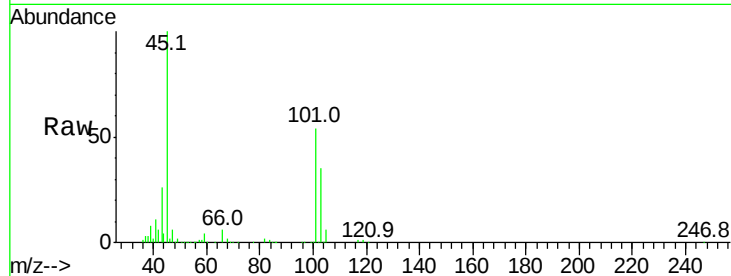
VL1017ABS01DUP

Tgt Ion: 45 Resp: 791339

Ion Ratio Lower Upper

45 100

58 2.1 2.0 3.0



#20

Methylene Chloride

Concen: 10.431 ppbv

RT: 4.43 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Tgt Ion: 84 Resp: 513137

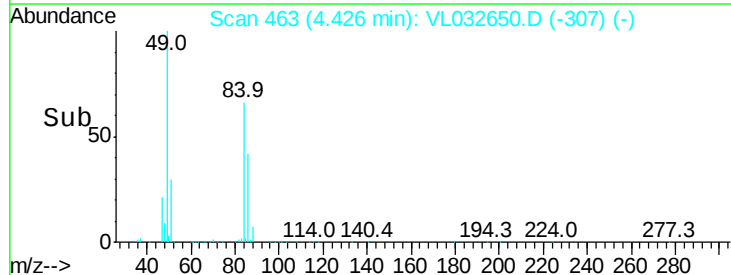
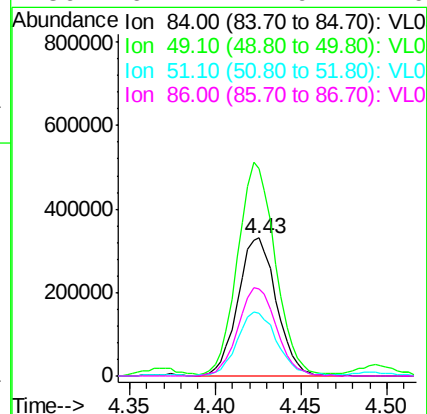
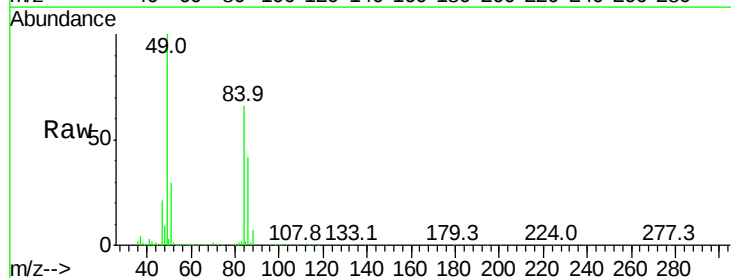
Ion Ratio Lower Upper

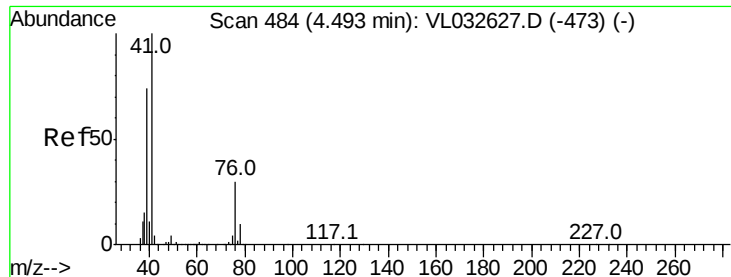
84 100

49 149.3 113.5 170.3

51 45.2 34.8 52.2

86 62.7 47.9 71.9





#21

Allyl Chloride

Concen: 10.426 ppbv

RT: 4.49 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

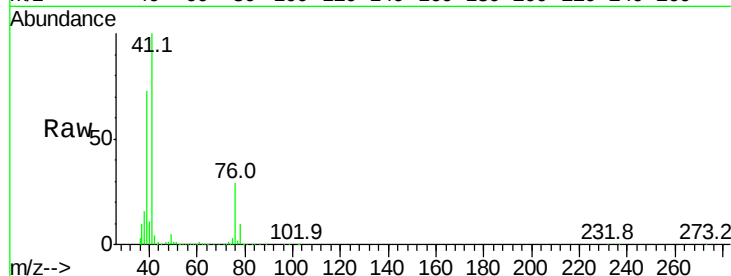
Tgt Ion: 41 Resp: 859233

Ion Ratio Lower Upper

41 100

76 30.3 24.3 36.5

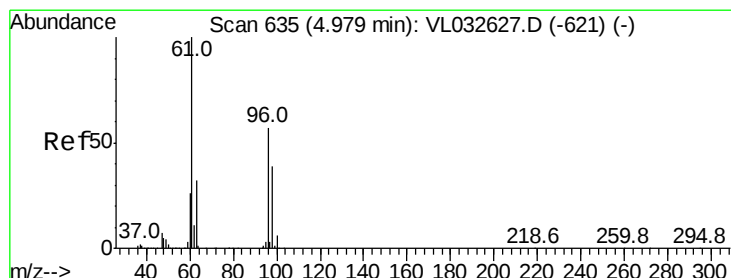
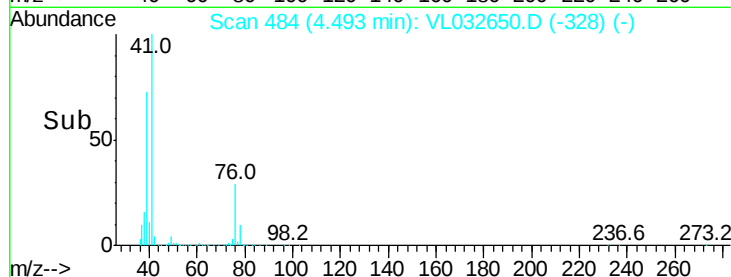
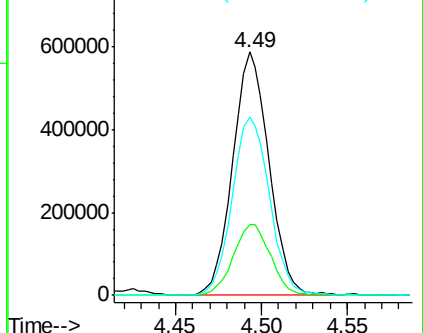
39 76.2 60.3 90.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.619 ppbv

RT: 4.98 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

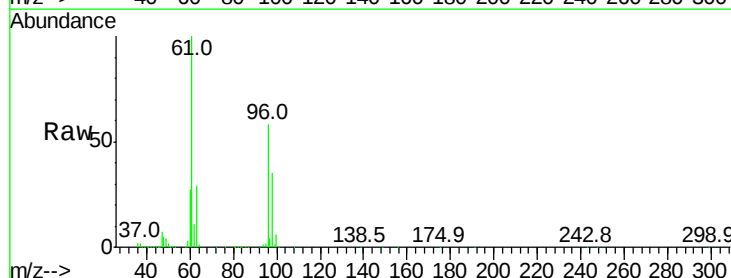
Tgt Ion: 96 Resp: 581654

Ion Ratio Lower Upper

96 100

61 171.4 140.4 210.6

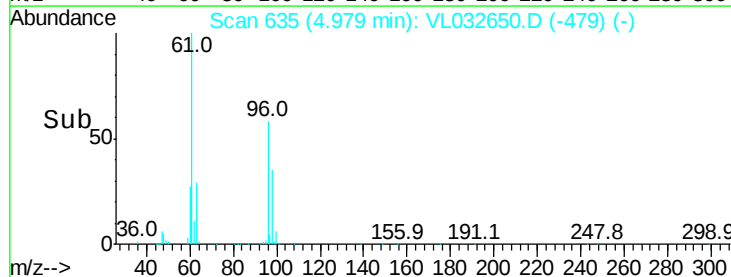
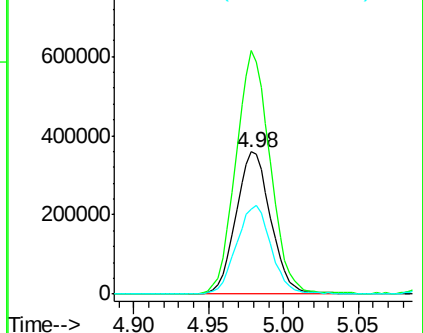
98 59.9 55.0 82.6

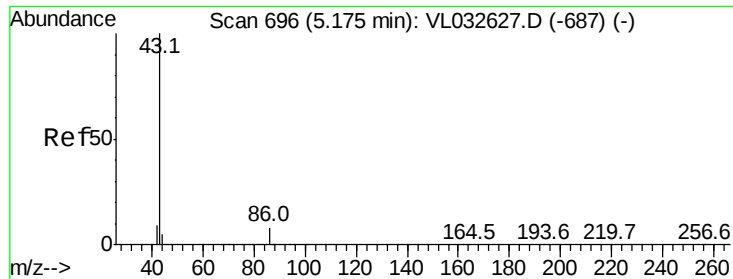


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.062 ppbv

RT: 5.17 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

Tgt Ion: 43 Resp: 1932482

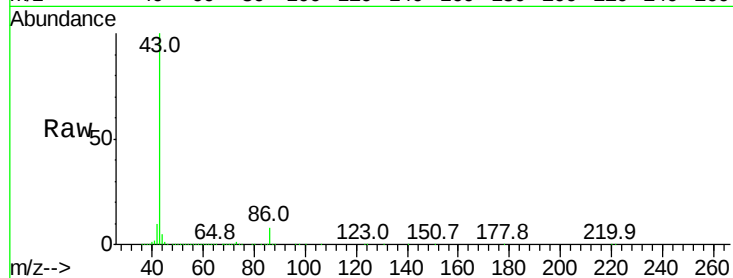
Ion Ratio Lower Upper

43 100

86 8.2 6.1 9.1

42 9.5 7.4 11.2

44 5.1 4.2 6.2

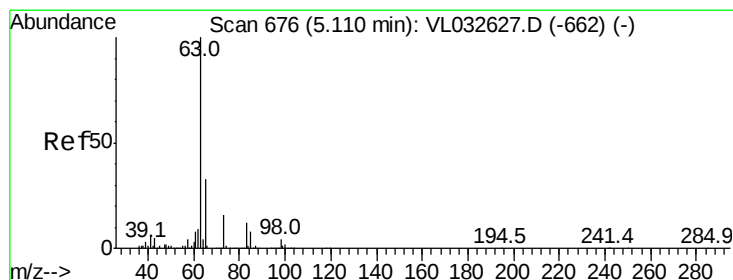
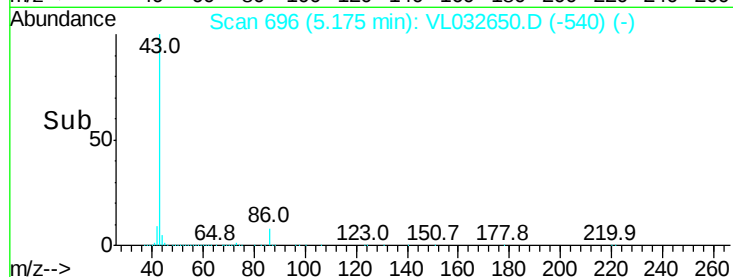
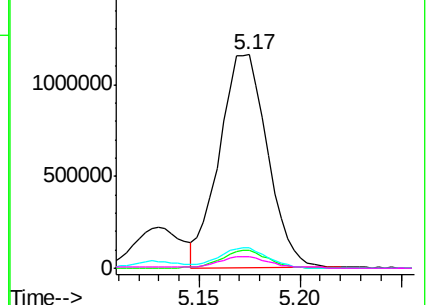


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.661 ppbv

RT: 5.11 min Scan# 676

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

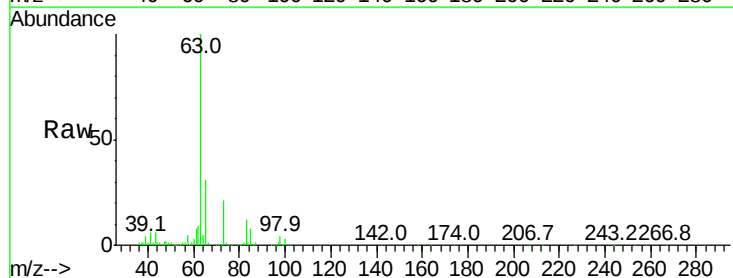
Tgt Ion: 63 Resp: 1564666

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

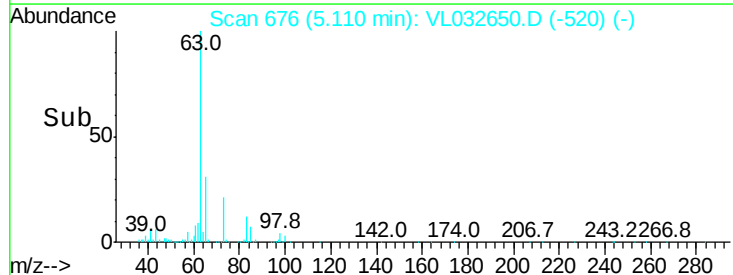
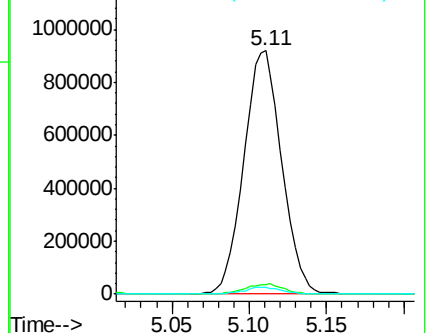
100 2.6 1.2 3.6

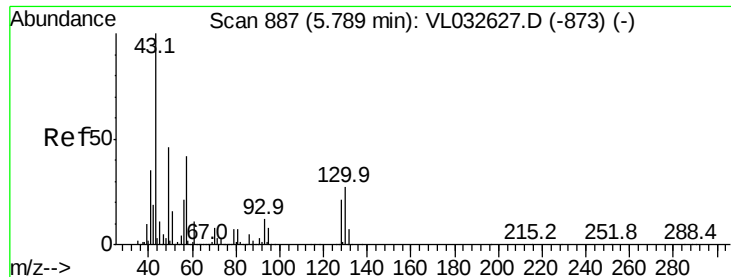


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



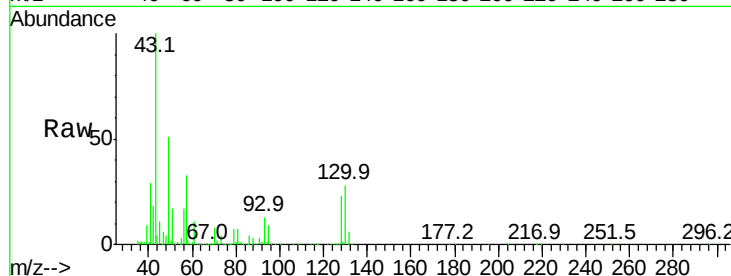


#25
Ethyl Acetate
Concen: 10.303 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

Tgt Ion: 43 Resp: 2677069

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	8.0	12.0
70	7.4	5.9	8.9



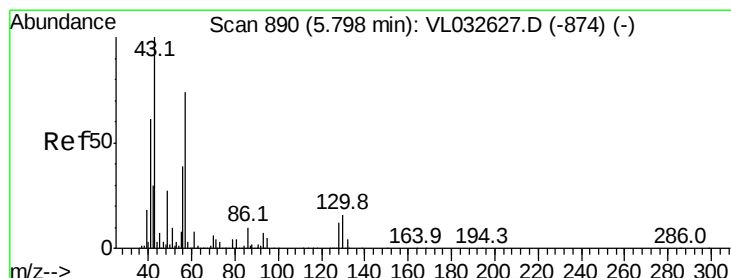
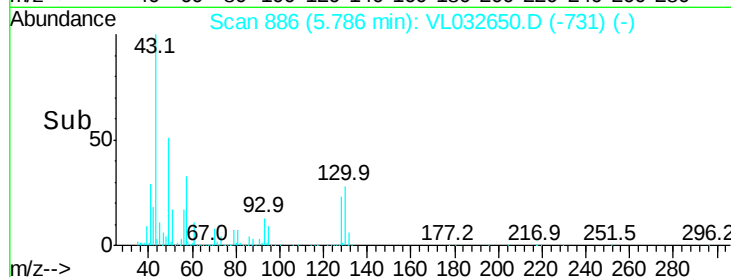
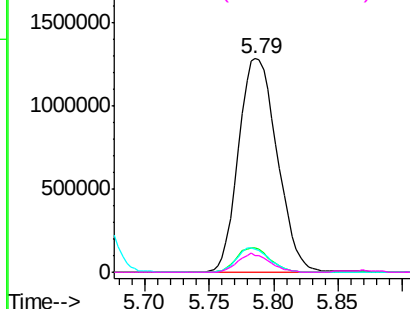
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.551 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Tgt Ion: 57 Resp: 1234864

Ion	Ratio	Lower	Upper
57	100		
41	86.4	67.4	101.0
43	217.4	171.9	257.9
56	52.6	42.6	63.8

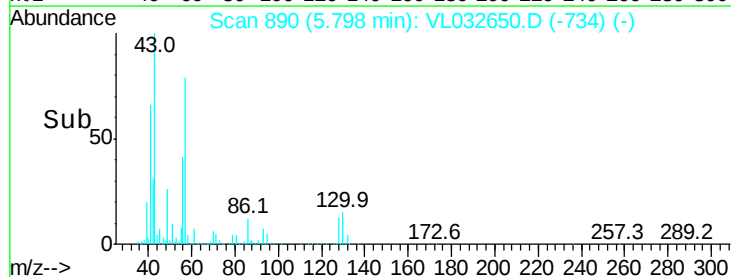
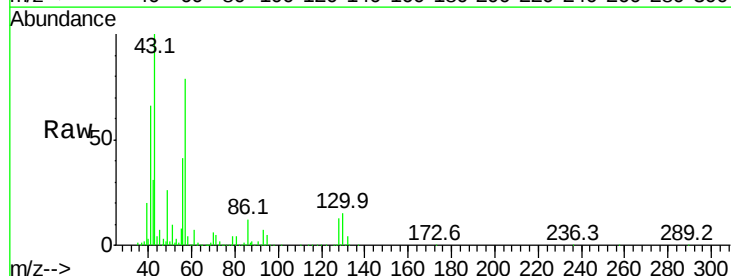
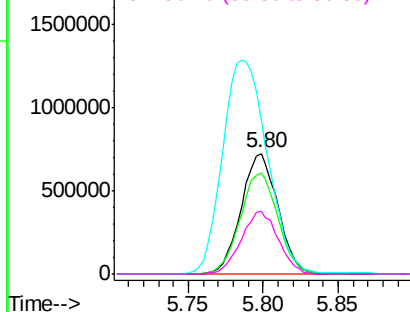
Abundance

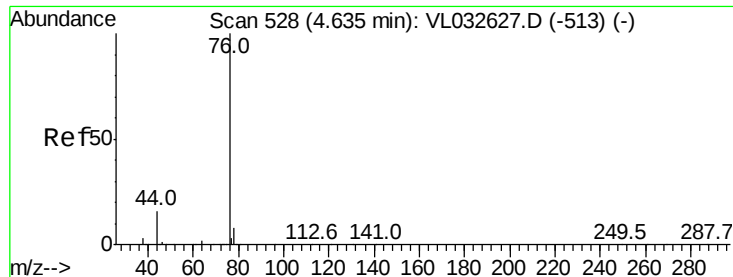
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.899 ppbv

RT: 4.64 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

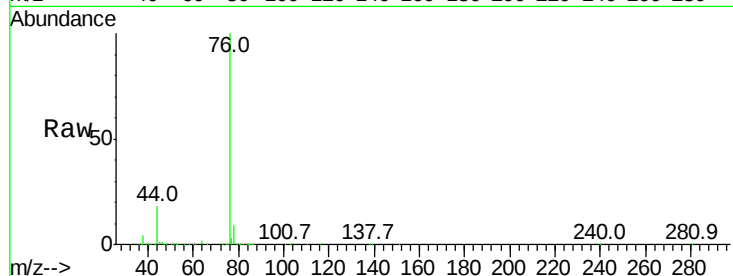
Tgt Ion: 76 Resp: 1400008

Ion Ratio Lower Upper

76 100

44 18.2 13.7 20.5

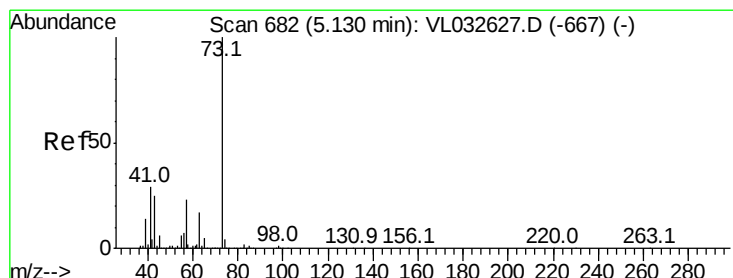
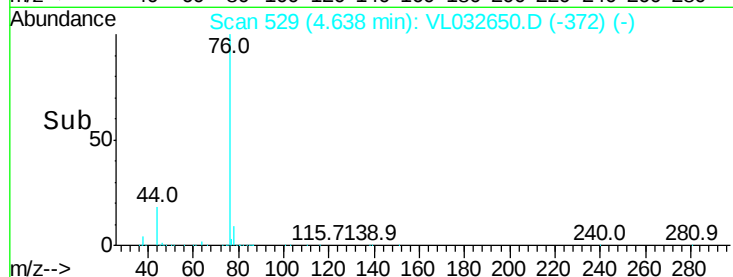
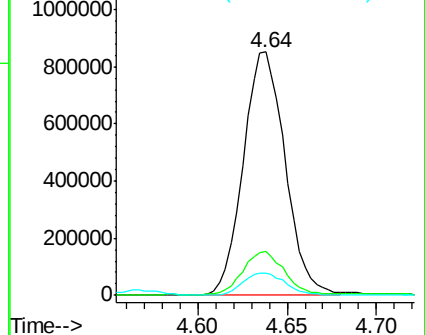
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.788 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.00 min

Lab File: VL032650.D

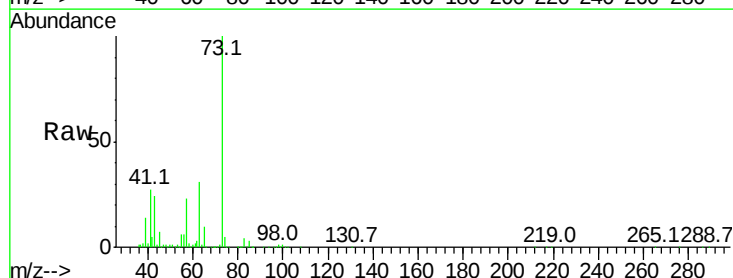
Acq: 17 Oct 2018 21:20

Tgt Ion: 73 Resp: 1586759

Ion Ratio Lower Upper

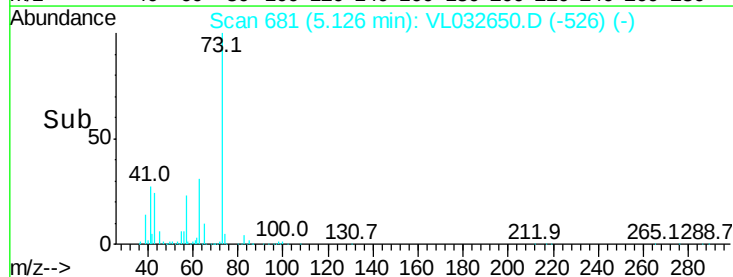
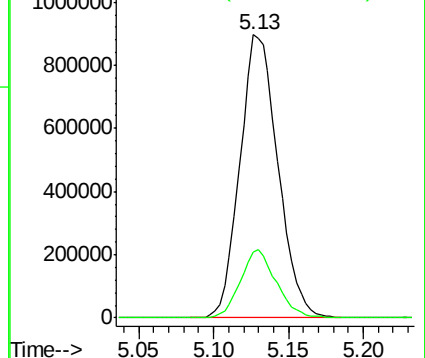
73 100

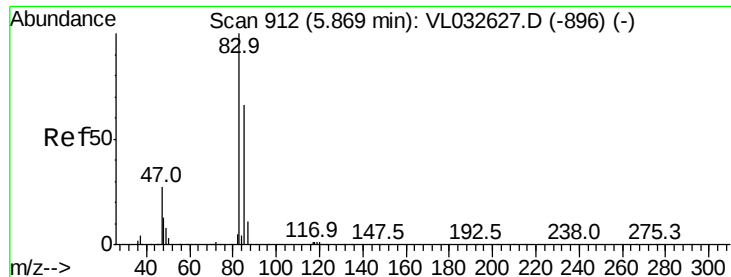
57 22.9 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.656 ppbv

RT: 5.87 min Scan# 912

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

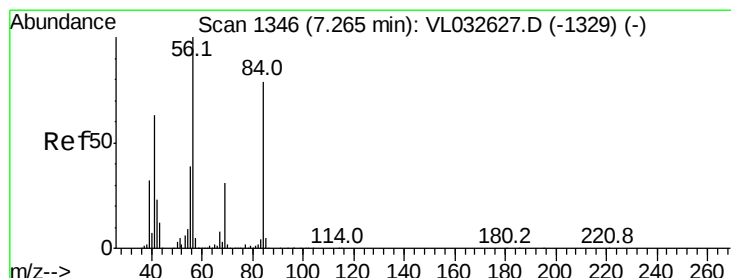
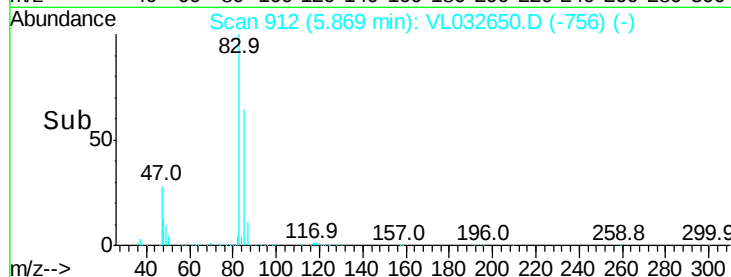
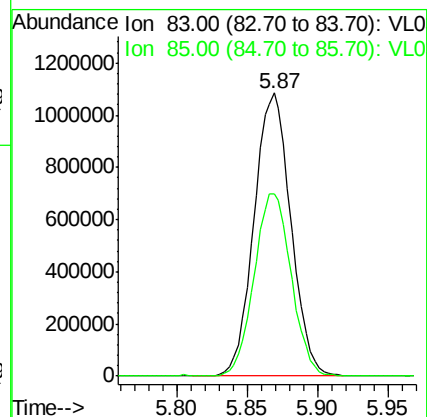
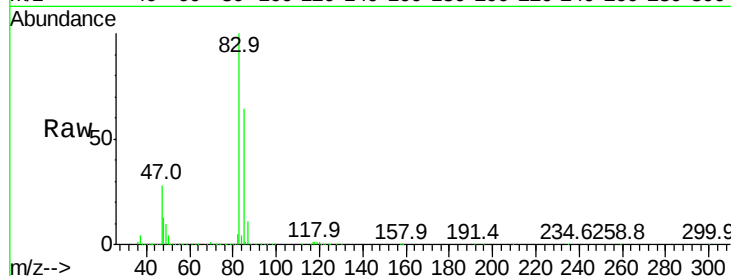
VL1017ABS01DUP

Tgt Ion: 83 Resp: 1980693

Ion Ratio Lower Upper

83 100

85 64.3 53.0 79.6



#30

Cyclohexane

Concen: 11.043 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

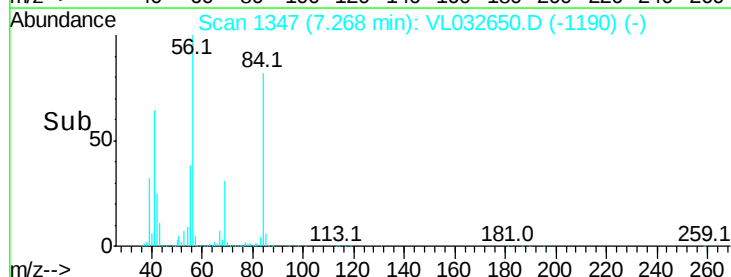
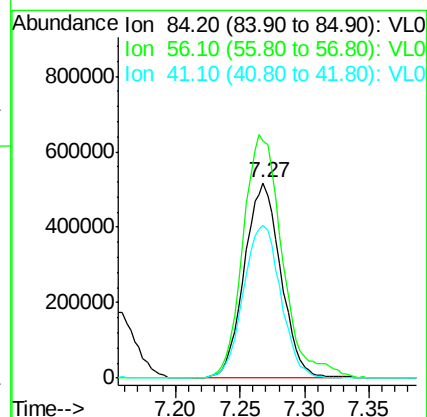
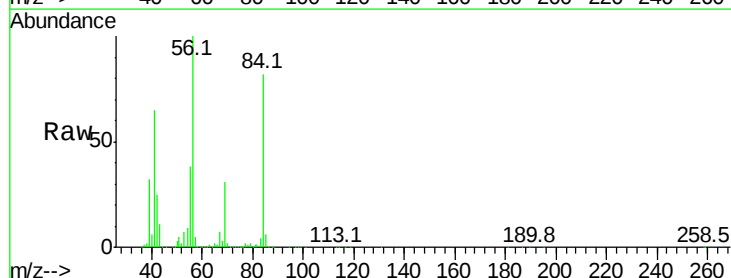
Tgt Ion: 84 Resp: 1019231

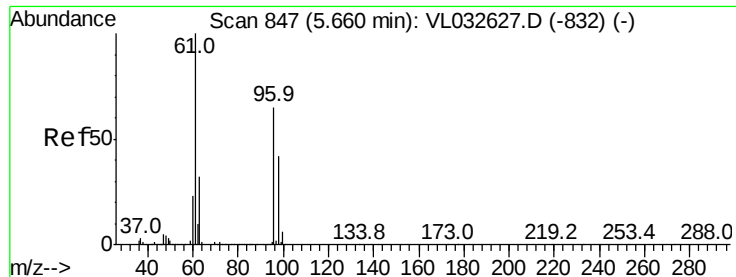
Ion Ratio Lower Upper

84 100

56 135.0 108.3 162.5

41 80.5 64.8 97.2



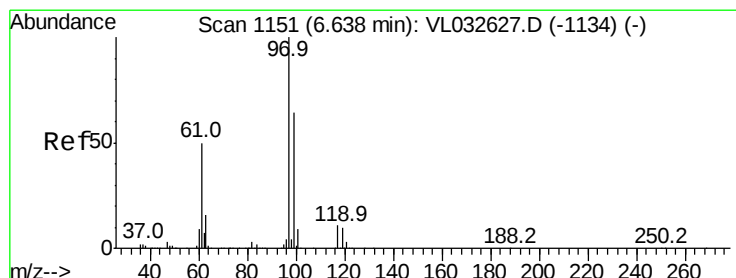
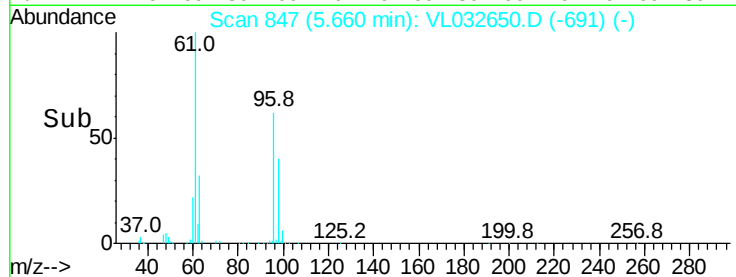
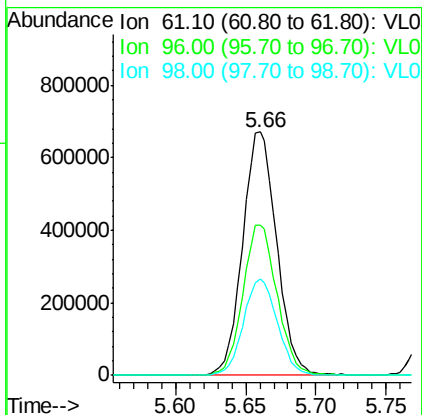
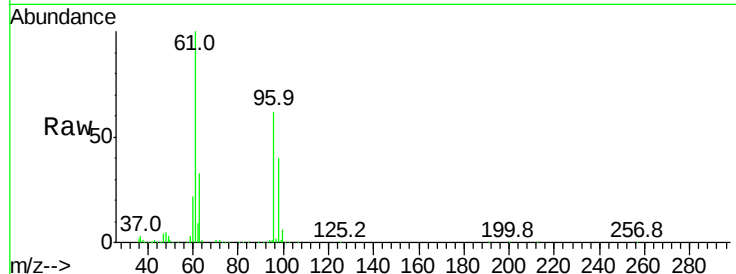


#31

cis-1,2-Dichloroethene
Concen: 10.117 ppbv
RT: 5.66 min Scan# 847
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

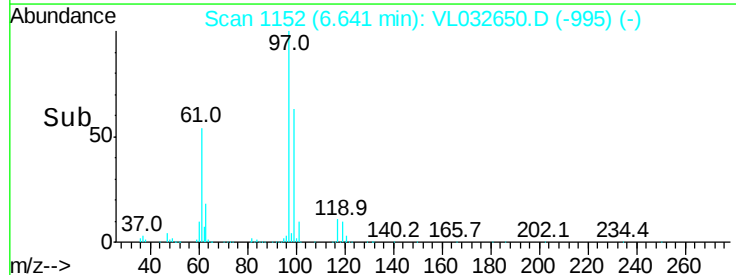
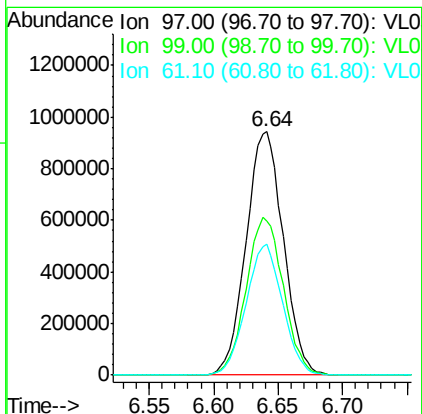
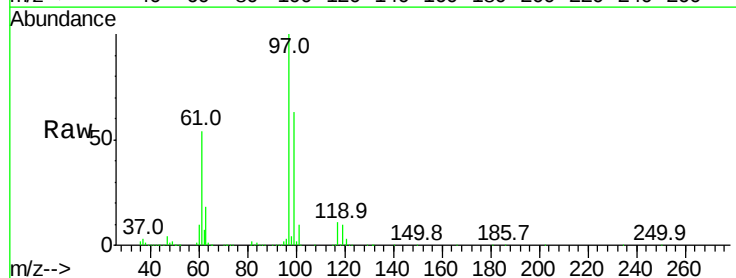
Tgt Ion: 61 Resp: 1137499
Ion Ratio Lower Upper
61 100
96 61.8 51.8 77.6
98 39.6 33.8 50.6

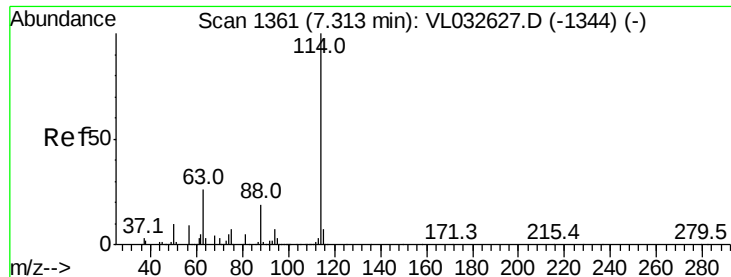


#32

1,1,1-Trichloroethane
Concen: 9.294 ppbv
RT: 6.64 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Tgt Ion: 97 Resp: 1901982
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 52.8 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

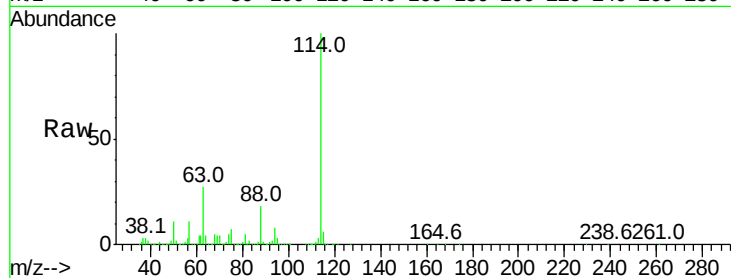
Tgt Ion:114 Resp: 2671441

Ion Ratio Lower Upper

114 100

63 27.8 21.7 32.5

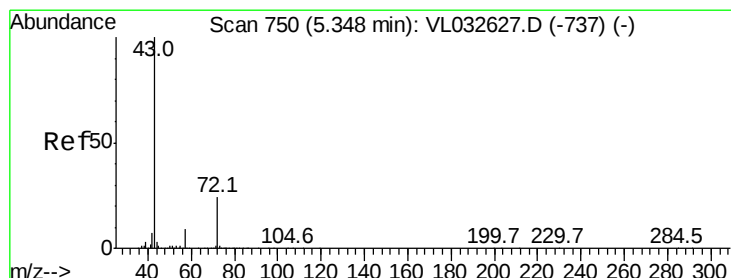
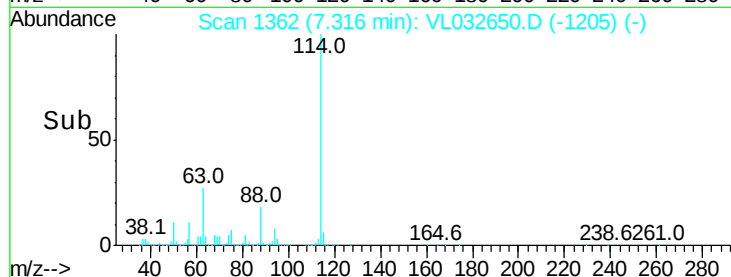
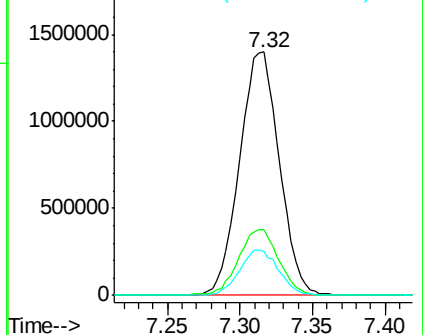
88 18.4 14.9 22.3



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: 11.579 ppbv

RT: 5.35 min Scan# 749

Delta R.T. -0.00 min

Lab File: VL032650.D

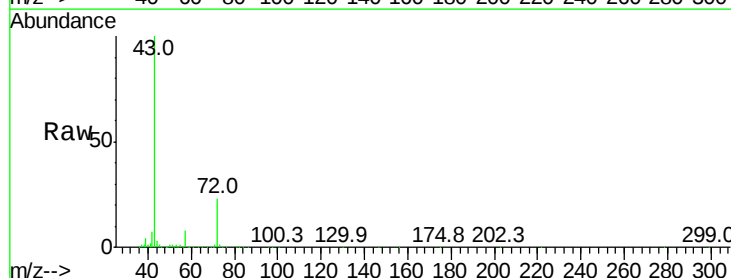
Acq: 17 Oct 2018 21:20

Tgt Ion: 43 Resp: 1716853

Ion Ratio Lower Upper

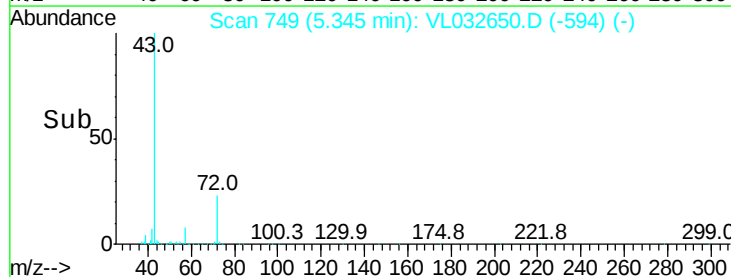
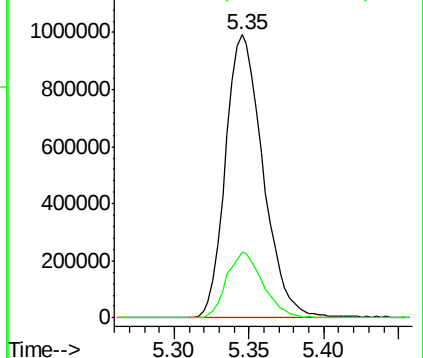
43 100

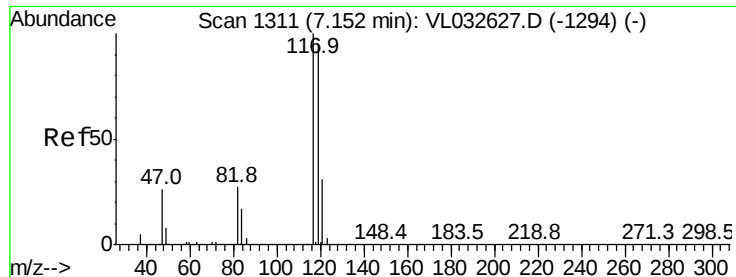
72 22.9 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.747 ppbv

RT: 7.16 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

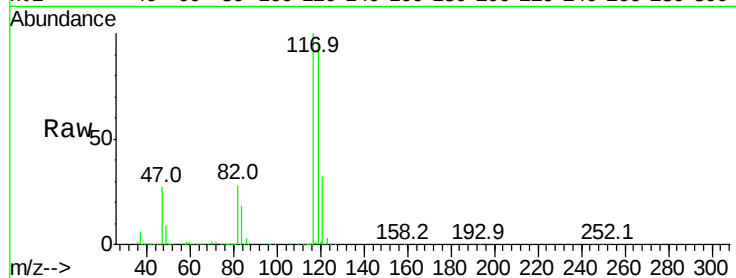
Tgt Ion:117 Resp: 2018006

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5

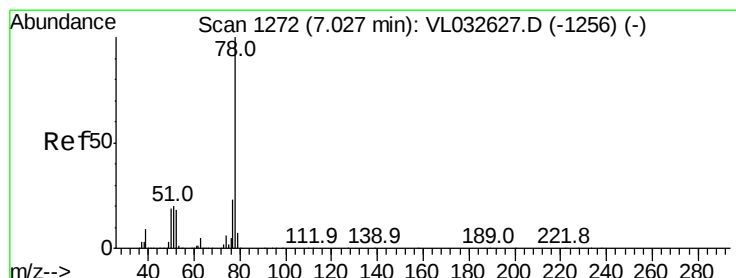
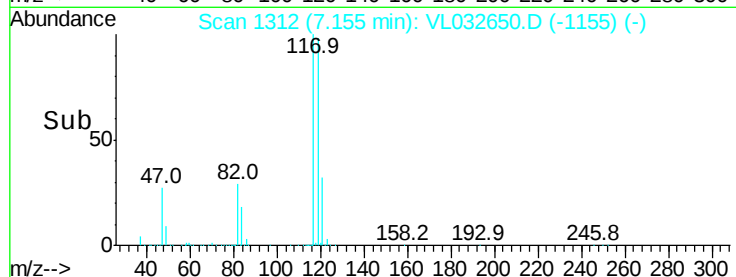
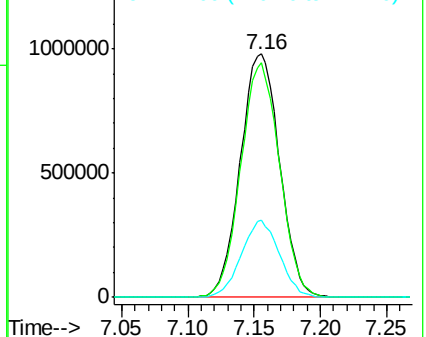
121 31.7 24.7 37.1



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: 11.387 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

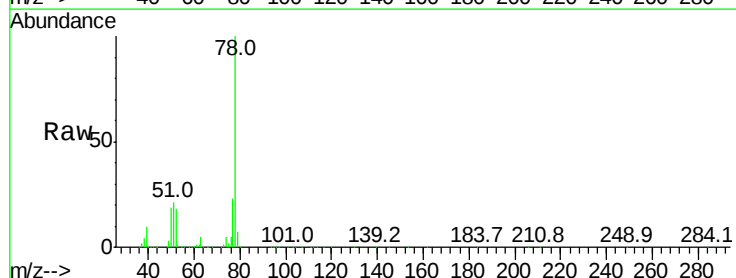
Tgt Ion: 78 Resp: 2465689

Ion Ratio Lower Upper

78 100

77 23.0 18.1 27.1

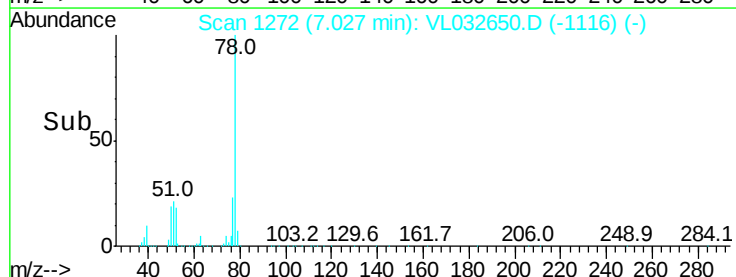
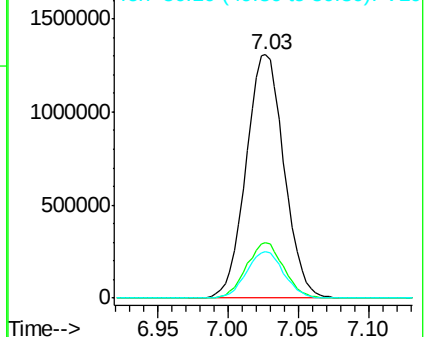
50 19.2 15.1 22.7

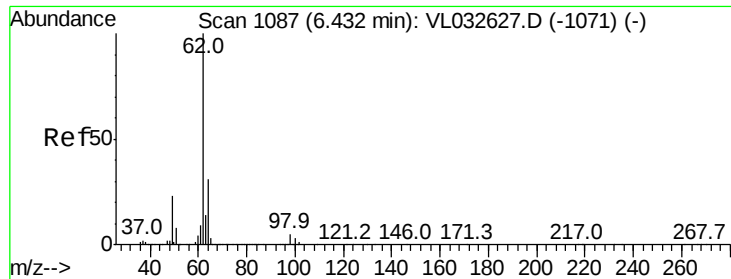


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

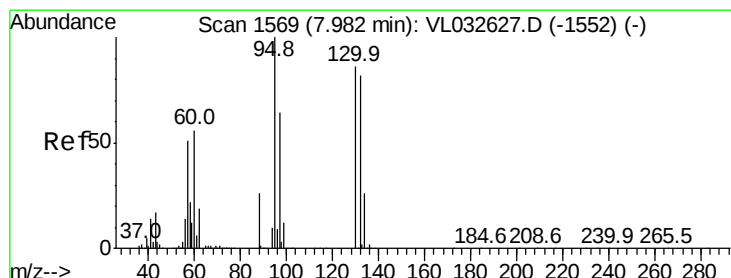
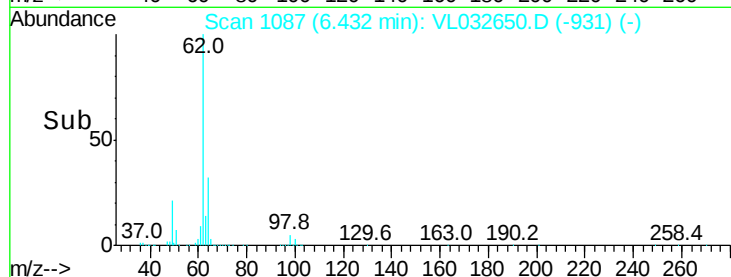
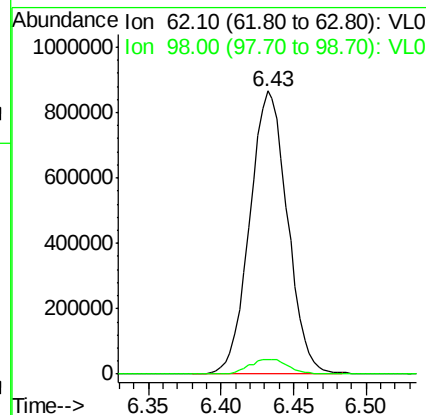
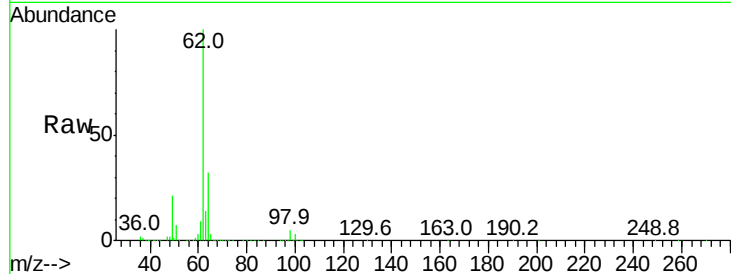




#37
 1,2-Dichloroethane
 Concen: 10.539 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

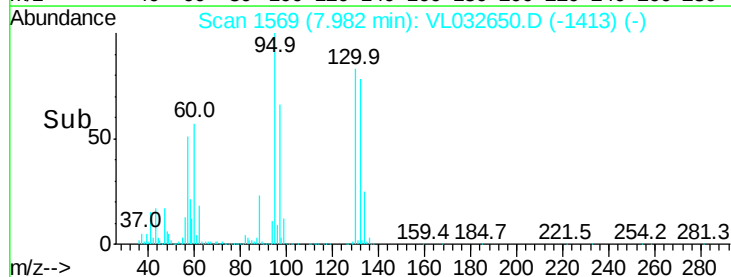
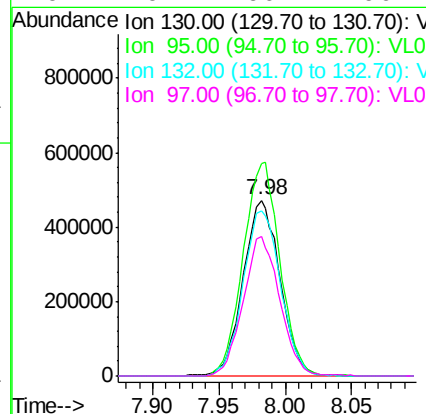
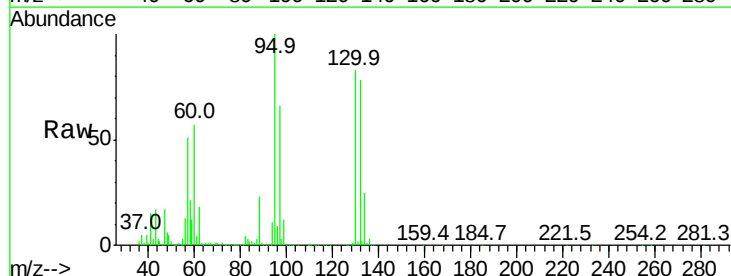
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

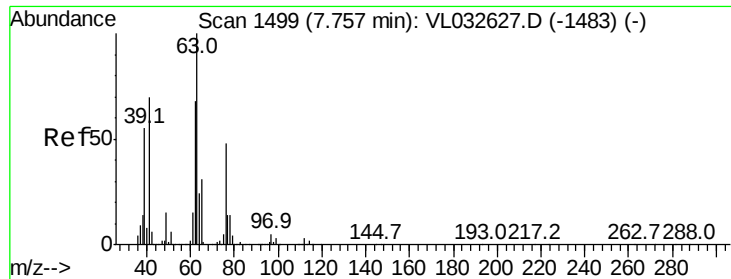
Tgt Ion: 62 Resp: 1565149
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 11.119 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 130 Resp: 905242
 Ion Ratio Lower Upper
 130 100
 95 121.2 93.4 140.0
 132 94.3 76.5 114.7
 97 79.4 60.2 90.2

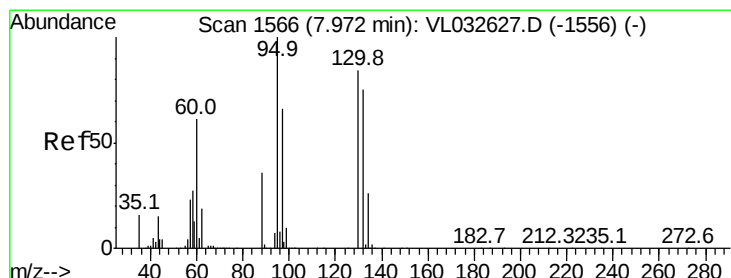
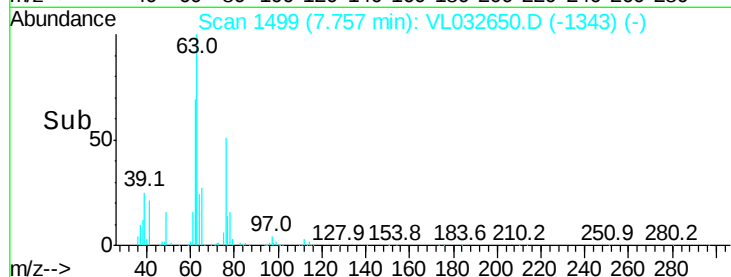
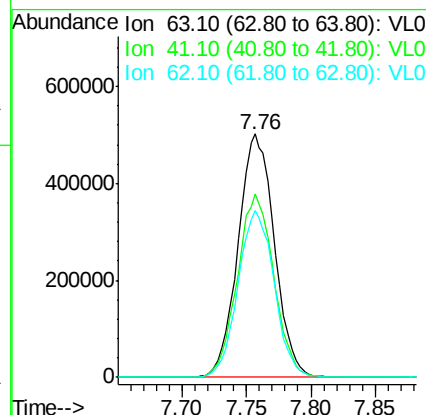
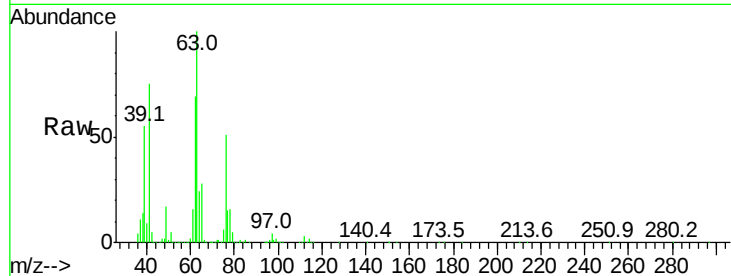




#39
 1,2-Dichloropropane
 Concen: 11.125 ppbv
 RT: 7.76 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

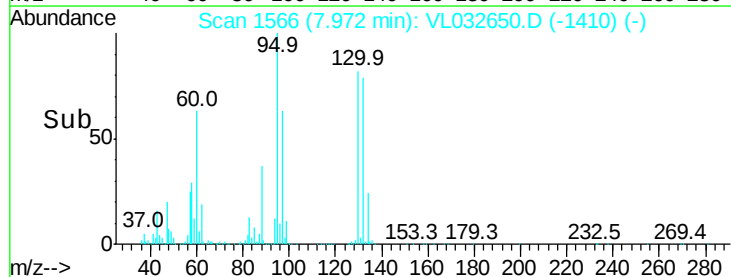
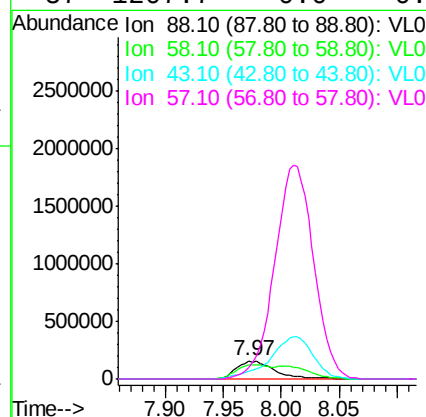
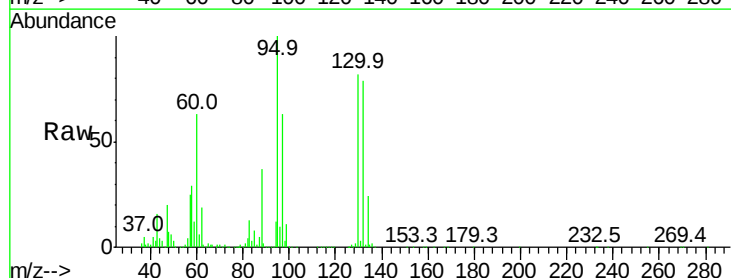
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

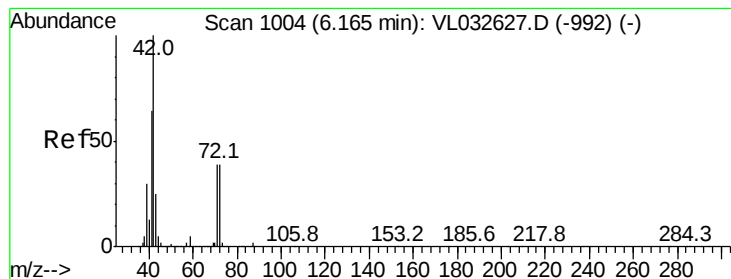
Tgt Ion: 63 Resp: 979974
 Ion Ratio Lower Upper
 63 100
 41 75.1 56.2 84.4
 62 68.6 54.4 81.6



#40
 1,4-Dioxane
 Concen: 11.826 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 88 Resp: 359892
 Ion Ratio Lower Upper
 88 100
 58 133.1 104.0 156.0
 43 262.8 0.0 0.0#
 57 1207.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 12.343 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

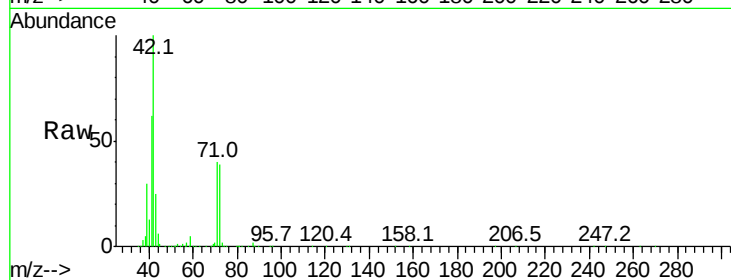
Tgt Ion: 42 Resp: 971006

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.4	48.6
71	39.3	31.3	46.9

42 100

72 40.8 32.4 48.6

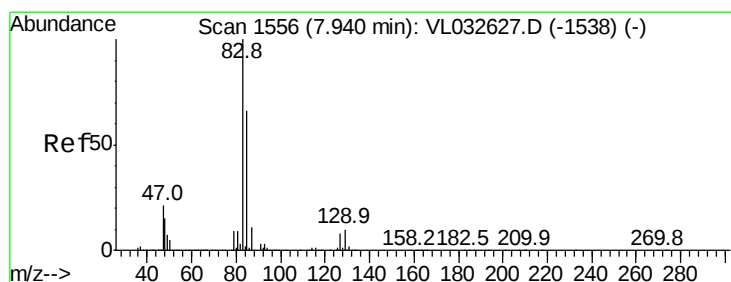
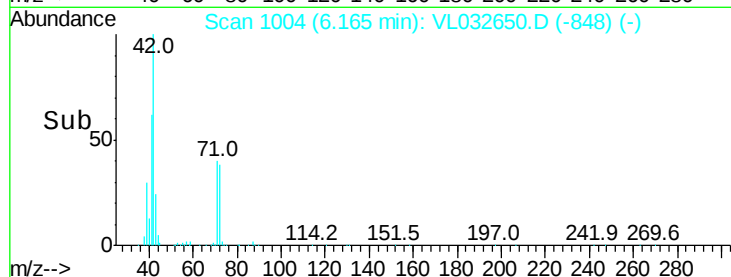
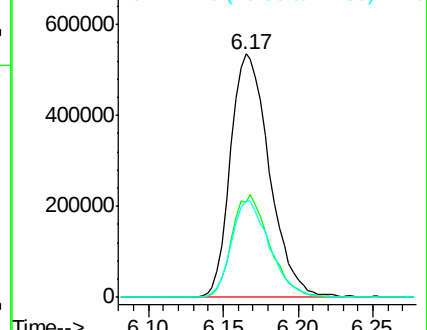
71 39.3 31.3 46.9



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.717 ppbv

RT: 7.94 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

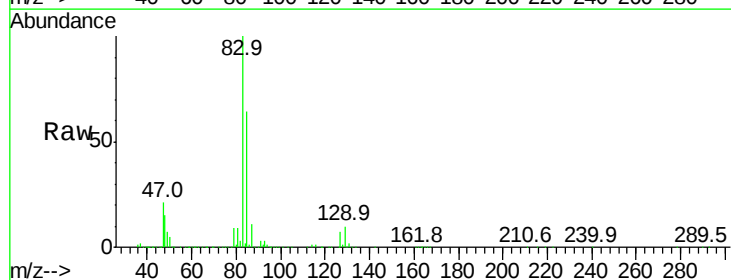
Tgt Ion: 83 Resp: 2169498

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	7.3	6.1	9.1

83 100

85 63.9 52.4 78.6

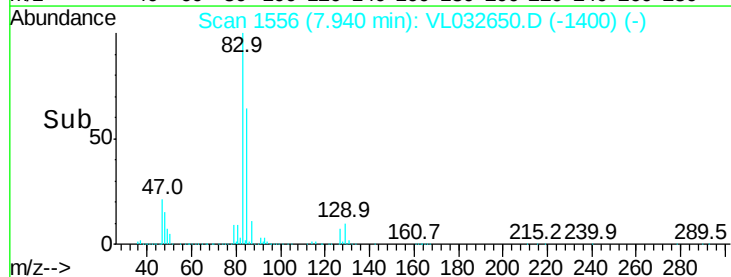
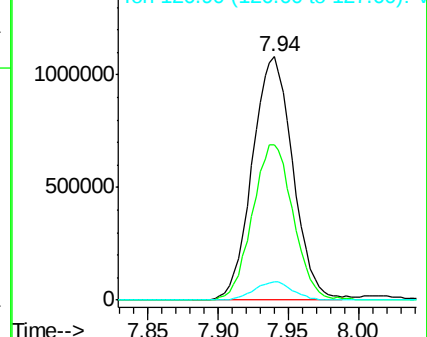
127 7.3 6.1 9.1

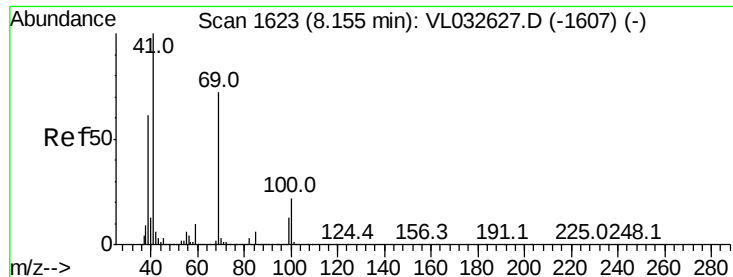


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 12.392 ppbv

RT: 8.16 min Scan# 1623

Delta R.T. 0.00 min

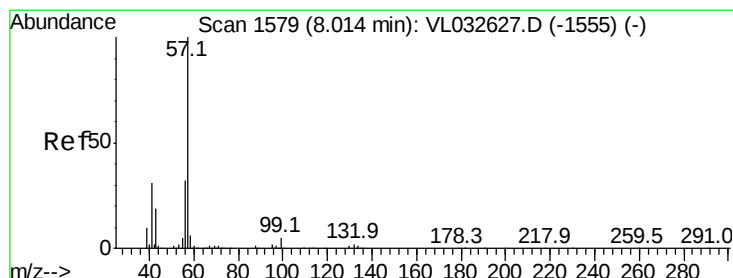
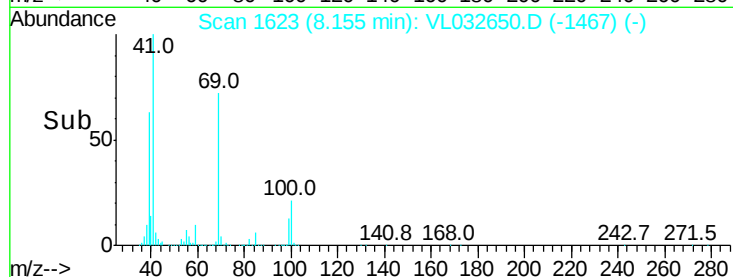
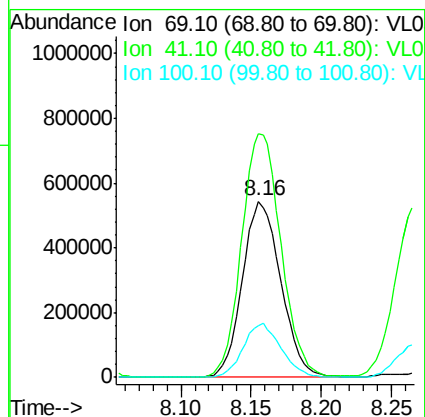
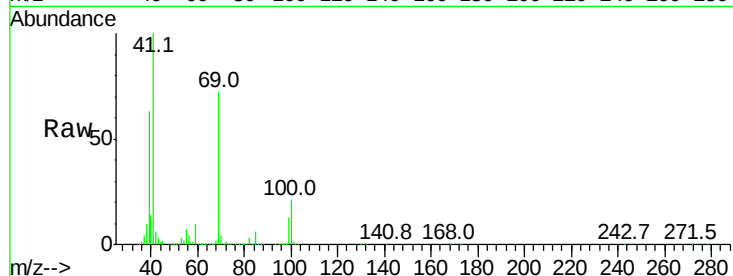
Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

Tgt Ion: 69 Resp: 1040471

Ion	Ratio	Lower	Upper
69	100		
41	141.2	113.2	169.8
100	30.1	24.4	36.6



#44

2,2,4-Trimethylpentane

Concen: 11.304 ppbv

RT: 8.01 min Scan# 1578

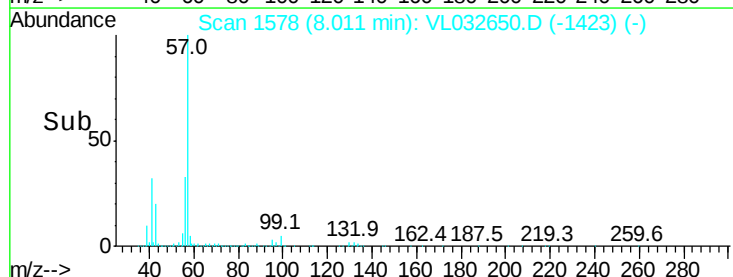
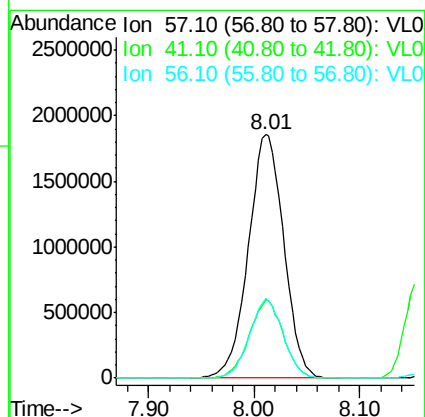
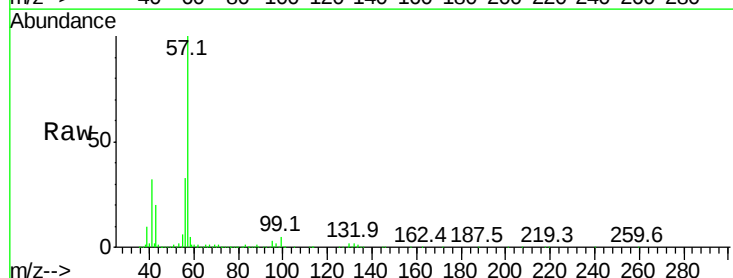
Delta R.T. -0.00 min

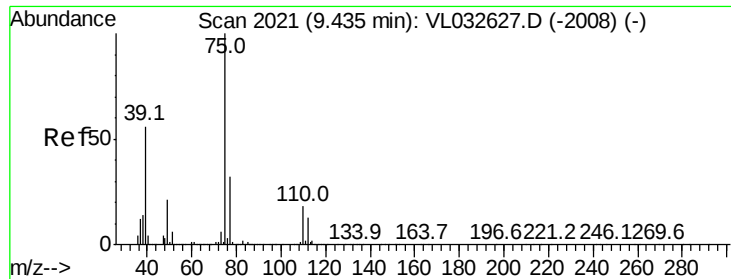
Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Tgt Ion: 57 Resp: 4339378

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.7	37.1
56	31.0	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 13.151 ppbv

RT: 9.43 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

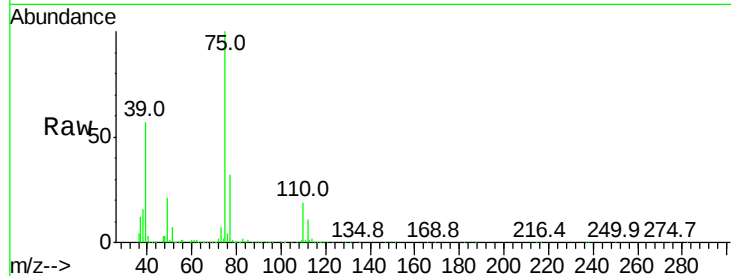
VL1017ABS01DUP

Tgt Ion: 75 Resp: 1443724

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.43

800000

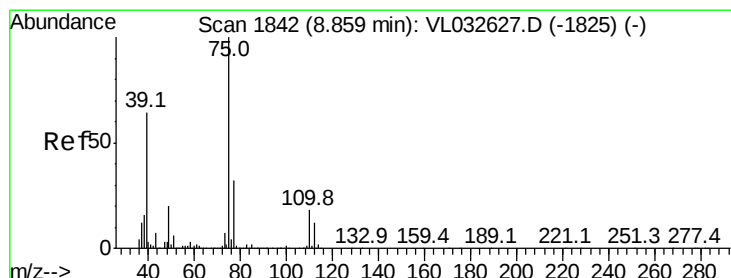
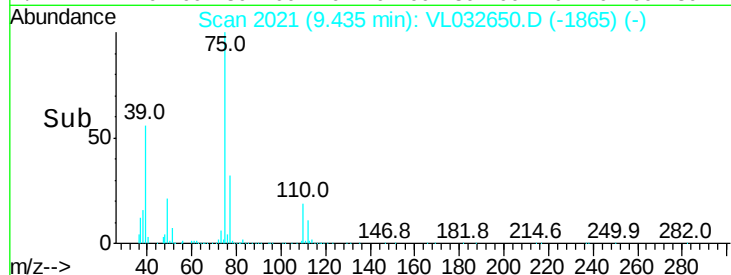
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.361 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

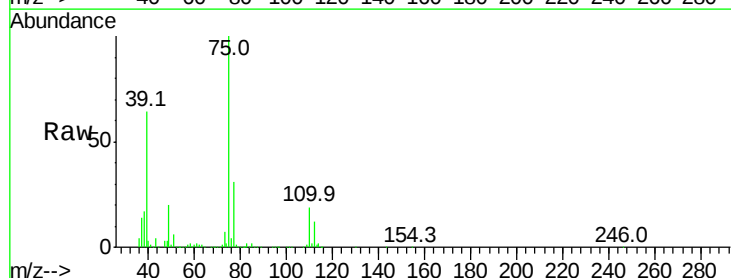
Tgt Ion: 75 Resp: 1544830

Ion Ratio Lower Upper

75 100

39 64.1 50.9 76.3

77 30.7 25.8 38.6



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

8.86

1000000

800000

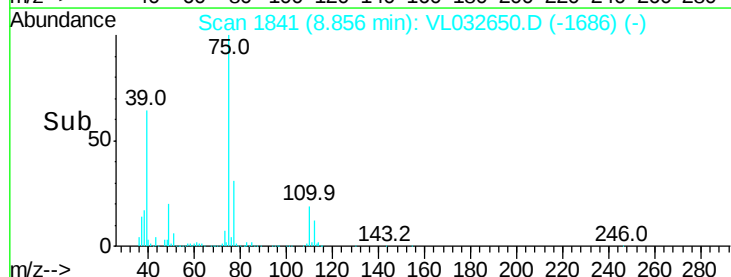
600000

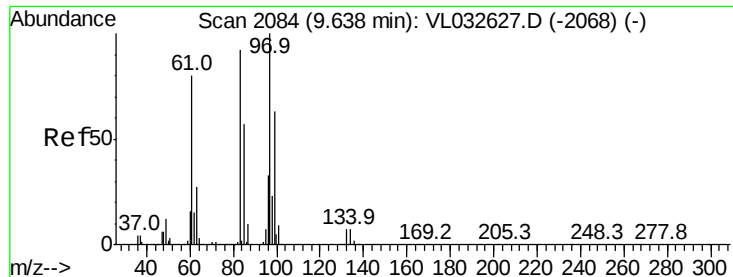
400000

200000

0

Time-->

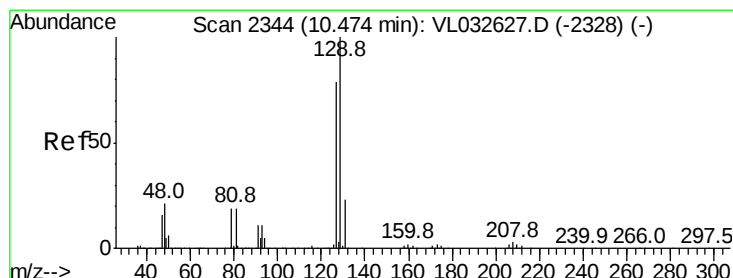
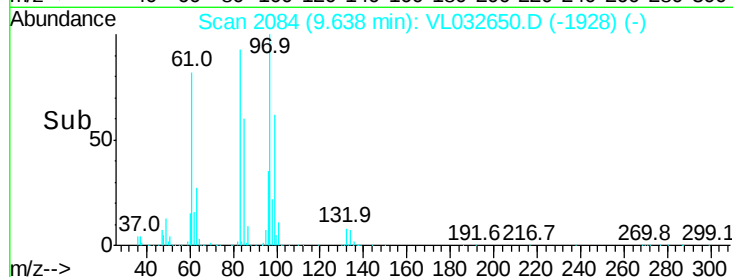
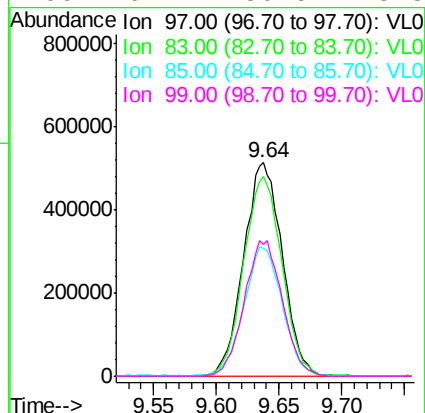
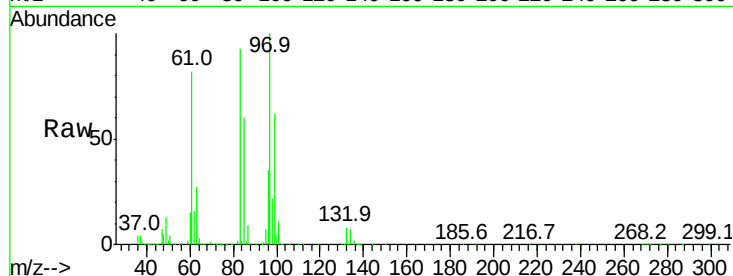




#47
 1,1,2-Trichloroethane
 Concen: 10.480 ppbv
 RT: 9.64 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

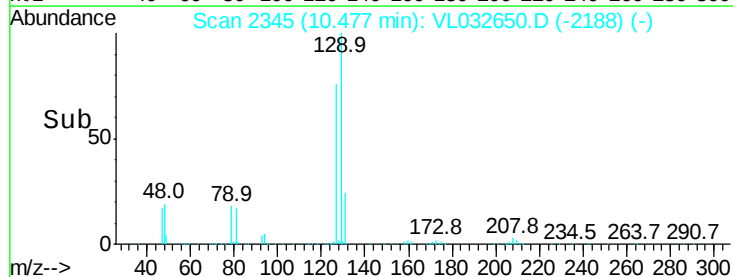
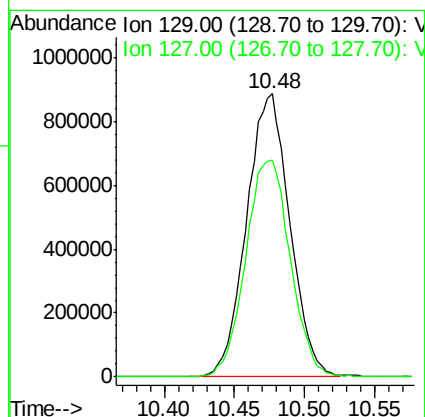
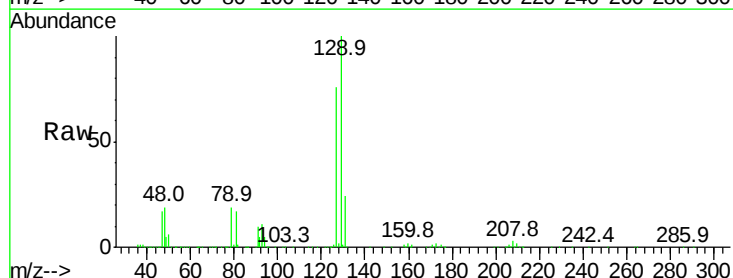
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

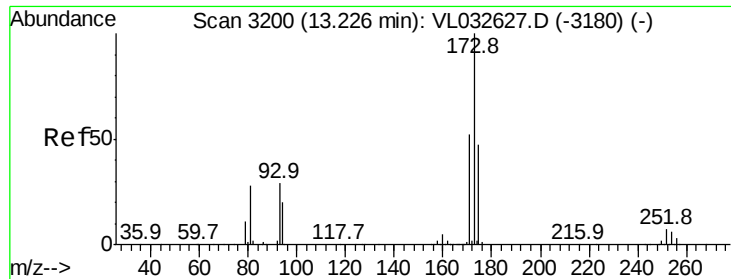
Tgt Ion: 97 Resp: 1103153
 Ion Ratio Lower Upper
 97 100
 83 93.3 73.5 110.3
 85 59.8 45.8 68.6
 99 61.7 50.6 75.8



#48
 Dibromochloromethane
 Concen: 10.623 ppbv
 RT: 10.48 min Scan# 2345
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 129 Resp: 1899216
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.1 117.5





#49

Bromoform

Concen: 10.715 ppbv

RT: 13.23 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

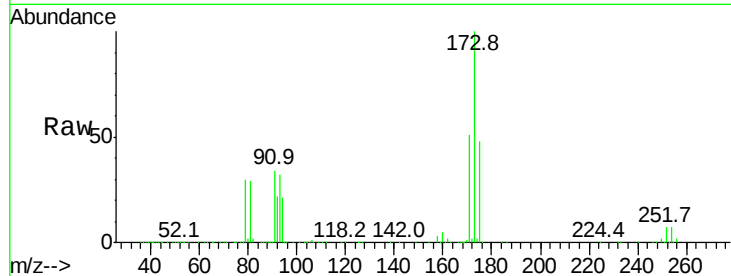
Tgt Ion:173 Resp: 1447513

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

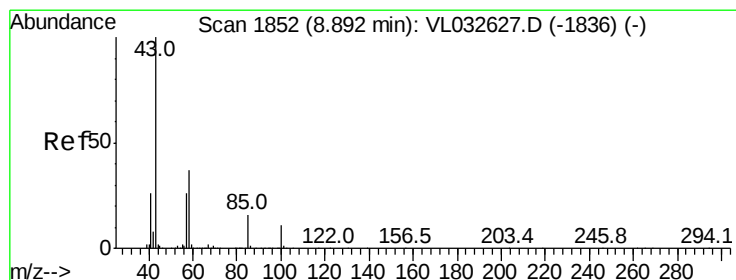
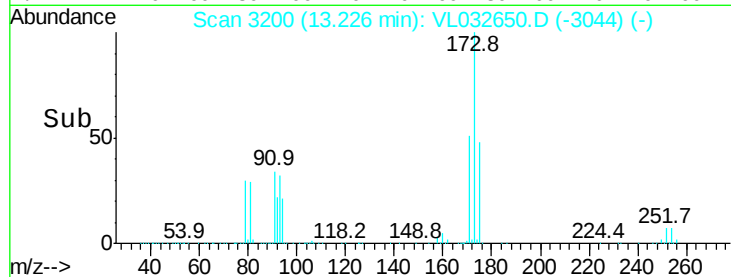
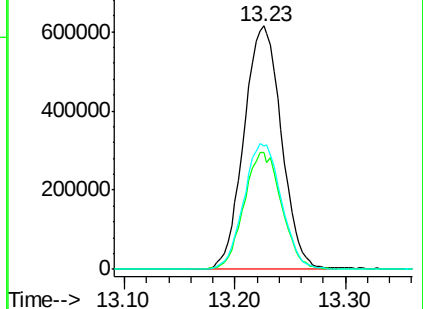
171 52.3 42.2 63.2



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: 11.484 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL032650.D

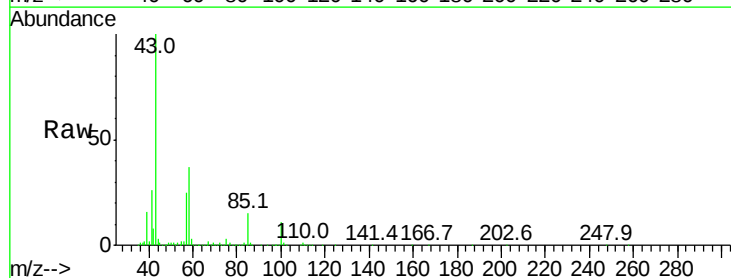
Acq: 17 Oct 2018 21:20

Tgt Ion: 43 Resp: 2506246

Ion Ratio Lower Upper

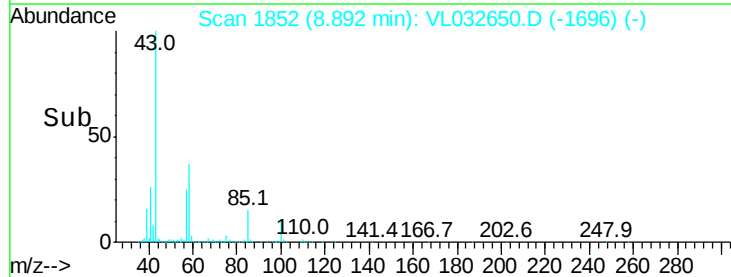
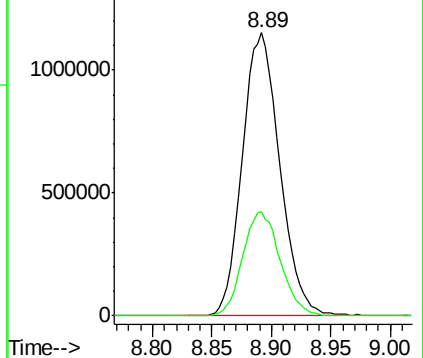
43 100

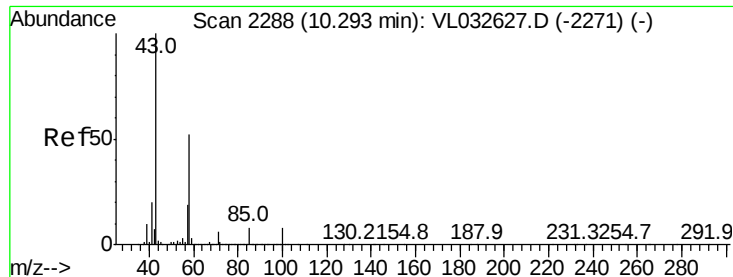
58 37.0 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.783 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

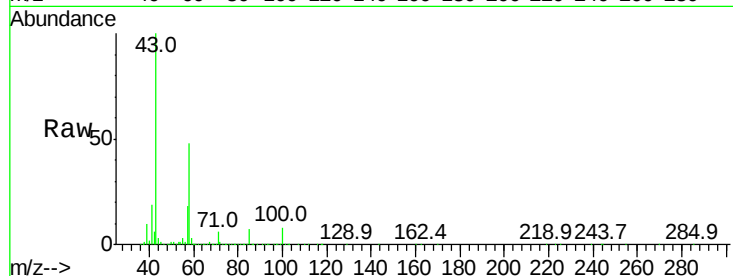
Tgt Ion: 43 Resp: 2193692

Ion Ratio Lower Upper

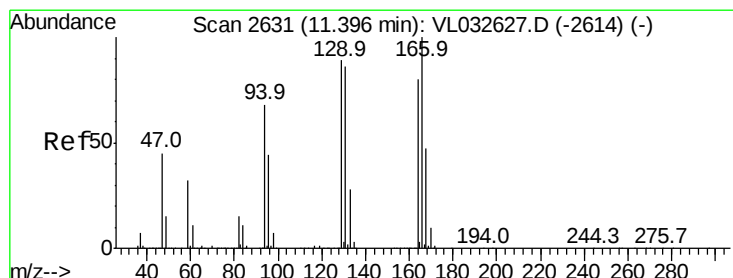
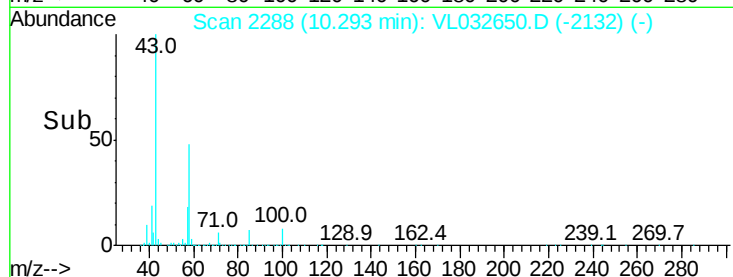
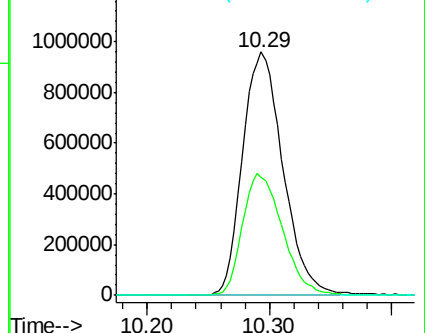
43 100

58 49.5 40.4 60.6

98 0.5 0.4 0.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 11.630 ppbv

RT: 11.40 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Tgt Ion: 164 Resp: 829047

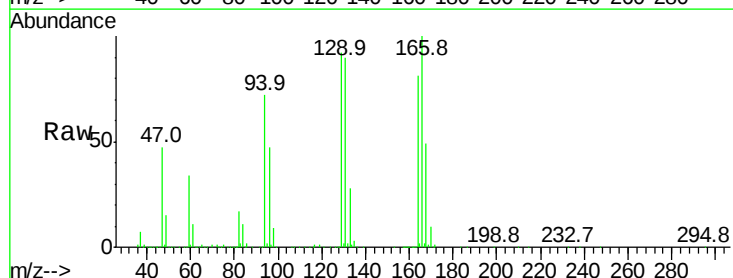
Ion Ratio Lower Upper

164 100

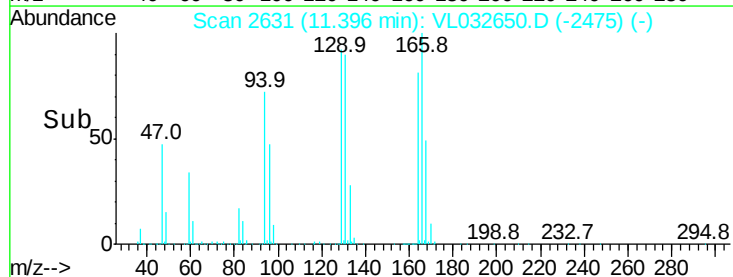
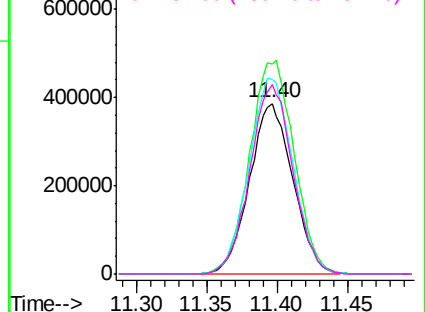
166 123.4 100.5 150.7

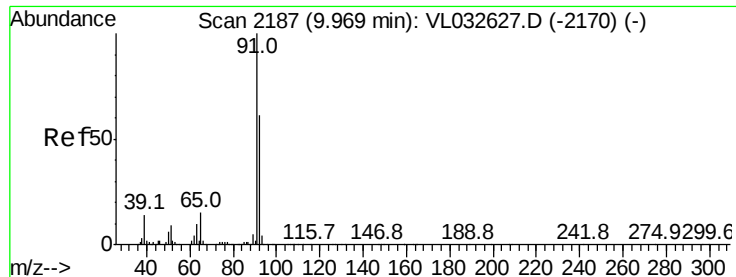
129 114.1 90.0 135.0

131 111.3 86.6 129.8



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: 12.454 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

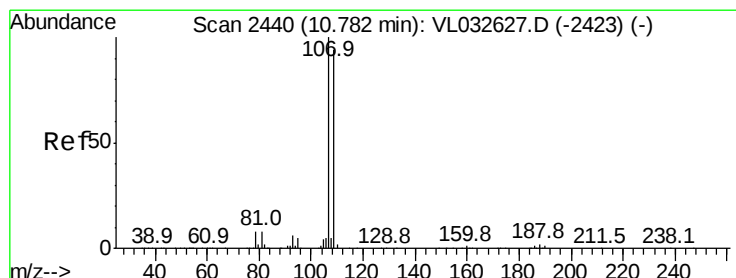
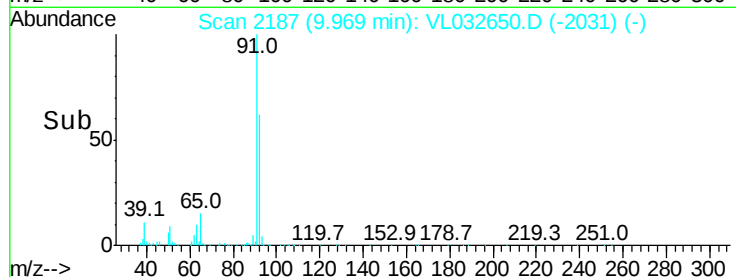
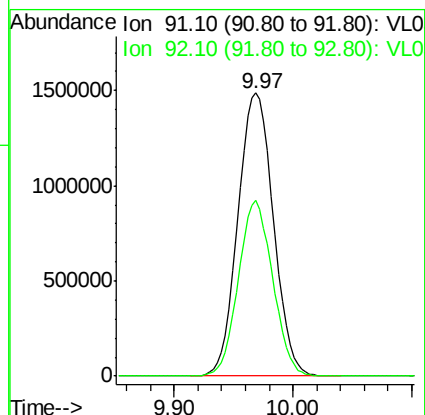
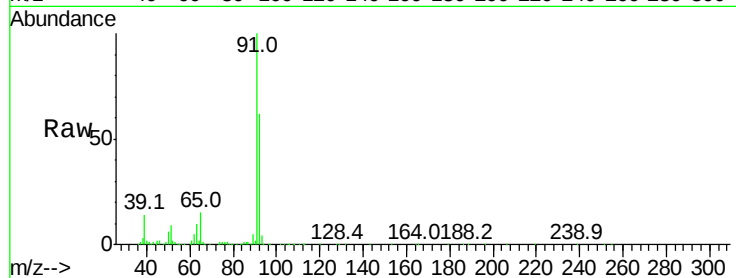
VL1017ABS01DUP

Tgt Ion: 91 Resp: 3074491

Ion Ratio Lower Upper

91 100

92 60.0 48.4 72.6



#54

1,2-Dibromoethane

Concen: 11.163 ppbv

RT: 10.78 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL032650.D

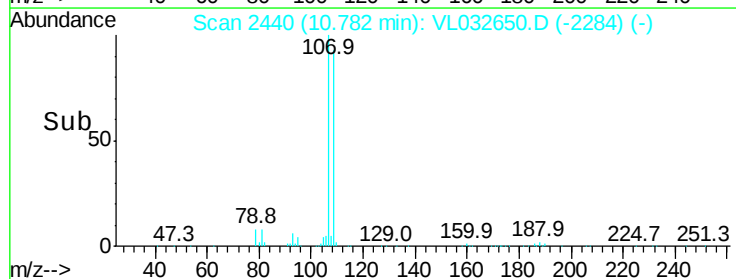
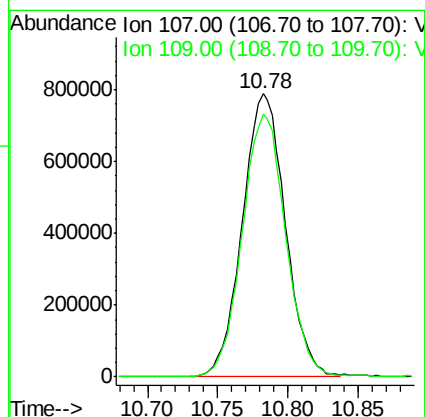
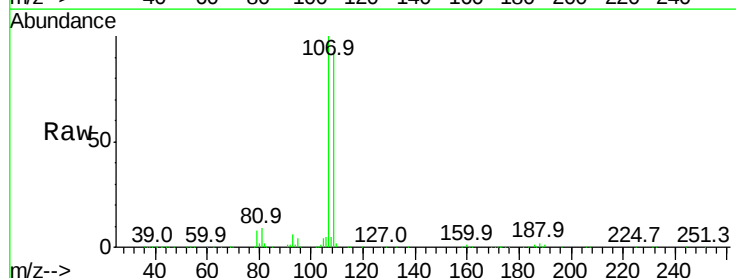
Acq: 17 Oct 2018 21:20

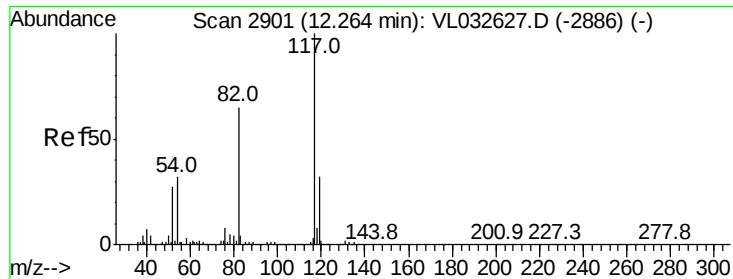
Tgt Ion: 107 Resp: 1682555

Ion Ratio Lower Upper

107 100

109 93.0 75.3 112.9

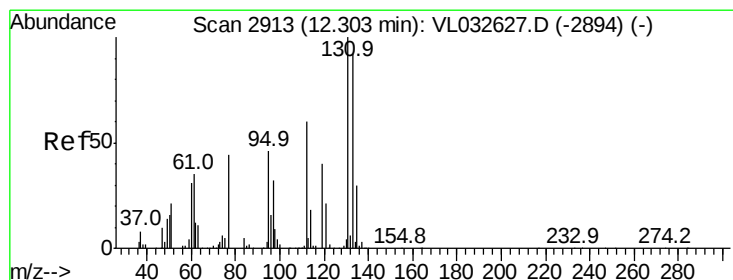
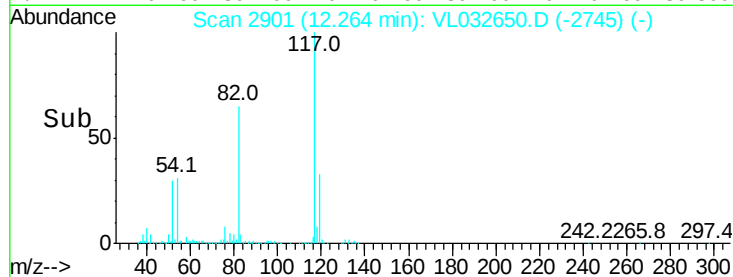
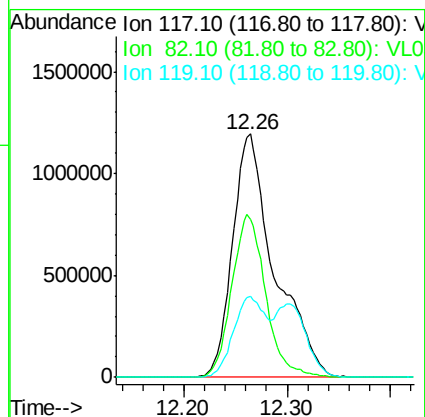
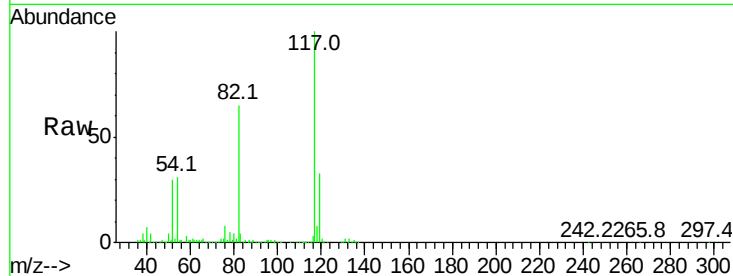




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

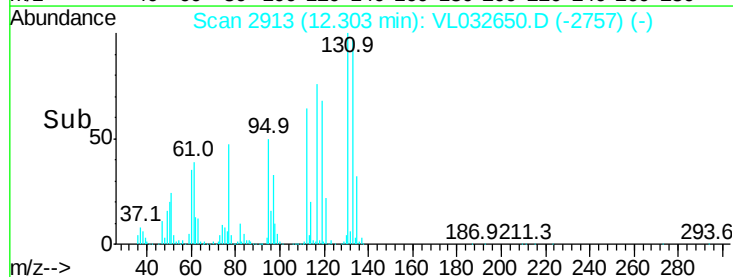
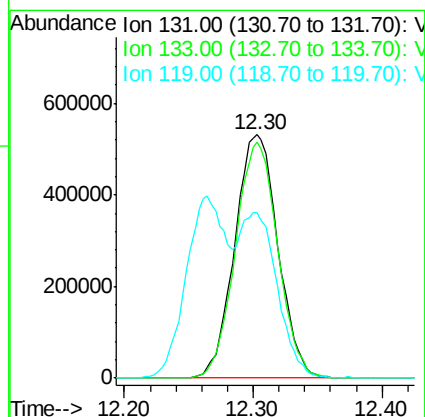
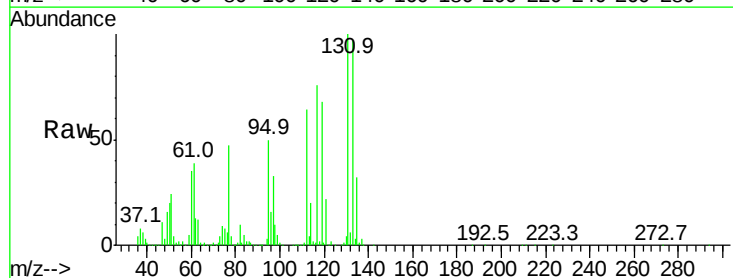
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

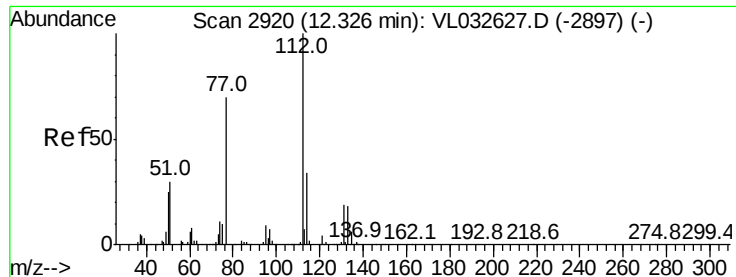
Tgt Ion:117 Resp: 3384856
Ion Ratio Lower Upper
117 100
82 54.1 52.7 79.1
119 24.2 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.909 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Tgt Ion:131 Resp: 1229286
Ion Ratio Lower Upper
131 100
133 96.2 75.4 113.2
119 61.7 49.1 73.7

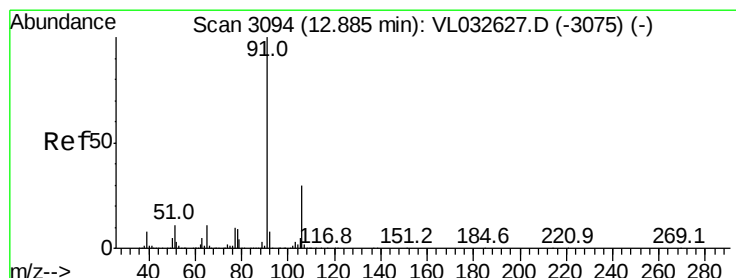
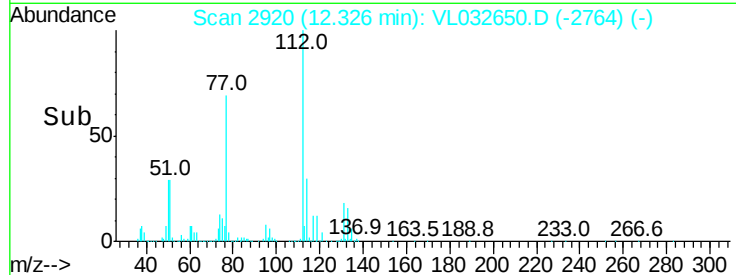
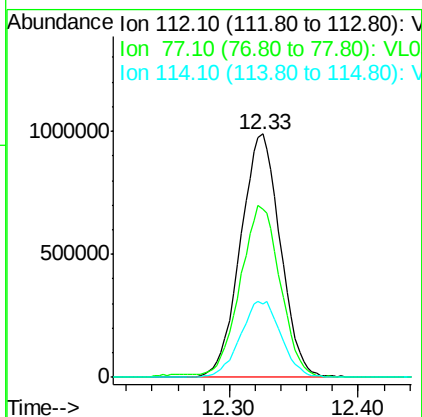
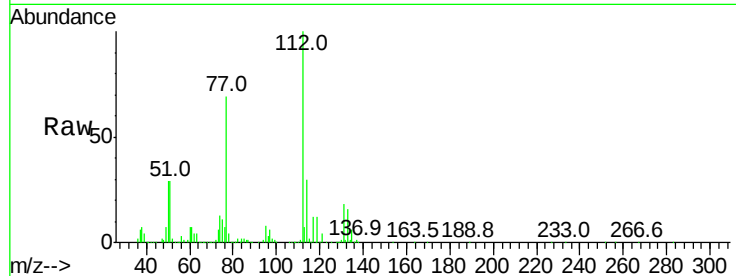




#57
Chlorobenzene
Concen: 8.235 ppbv
RT: 12.33 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

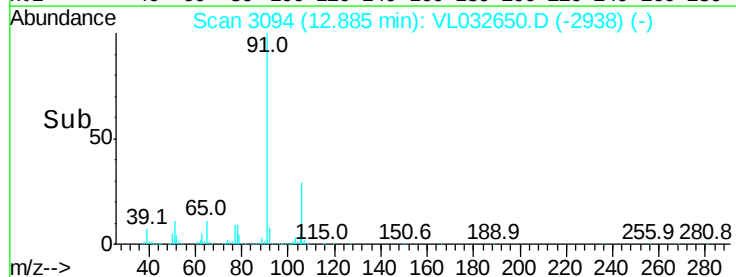
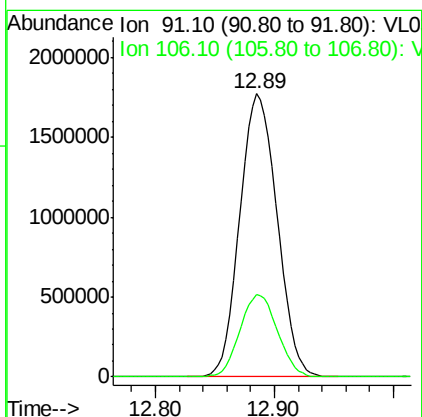
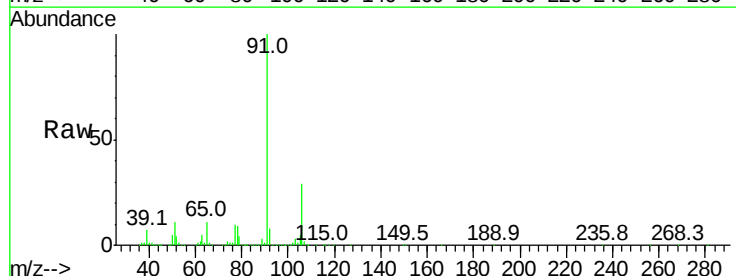
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

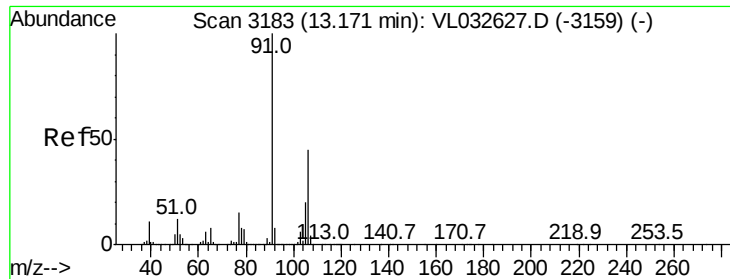
Tgt Ion: 112 Resp: 2119967
Ion Ratio Lower Upper
112 100
77 68.6 56.8 85.2
114 30.3 30.3 37.1#



#58
Ethyl Benzene
Concen: 10.147 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Tgt Ion: 91 Resp: 3857106
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2

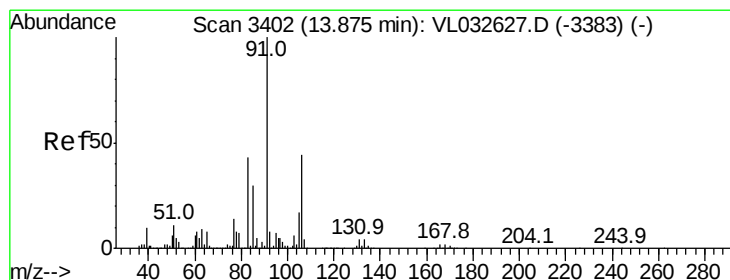
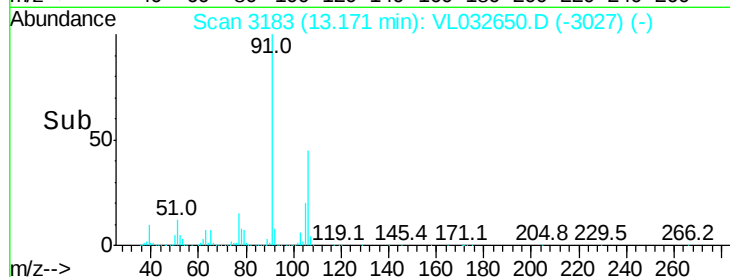
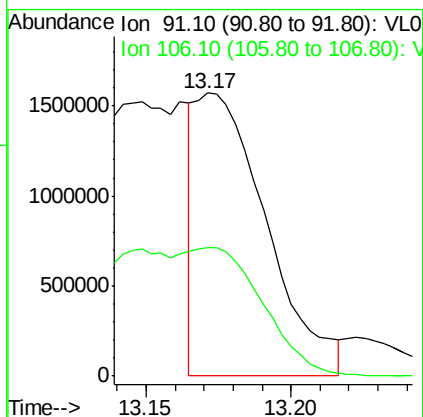
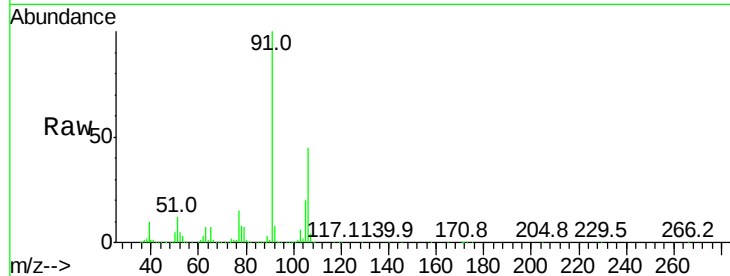




#59
m/p-Xylene
Concen: 7.776 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

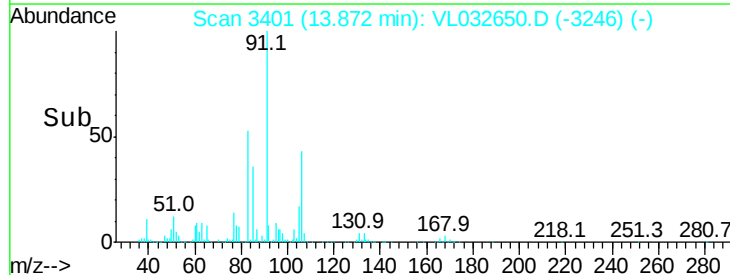
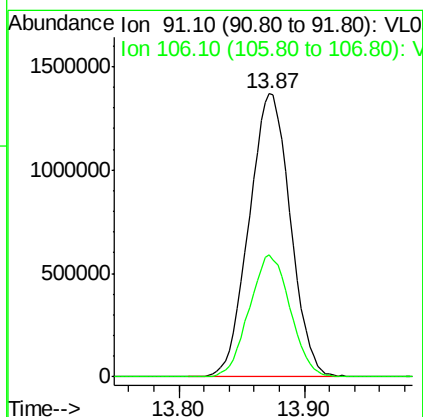
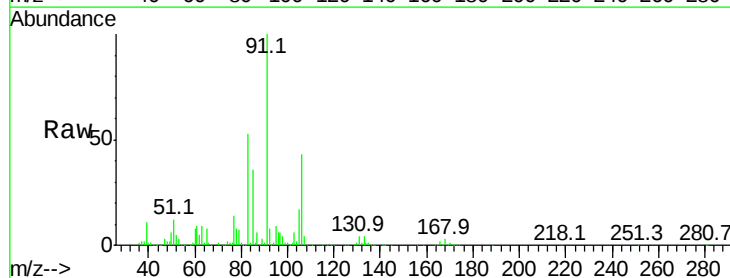
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01DUP

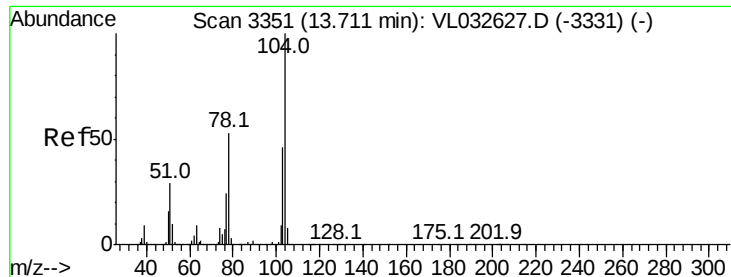
Tgt Ion: 91 Resp: 2638531
Ion Ratio Lower Upper
91 100
106 106.5 35.9 53.9#



#60
o-Xylene
Concen: 9.252 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032650.D
Acq: 17 Oct 2018 21:20

Tgt Ion: 91 Resp: 3128459
Ion Ratio Lower Upper
91 100
106 42.8 22.1 66.1





#61

Styrene

Concen: 10.870 ppbv

RT: 13.71 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

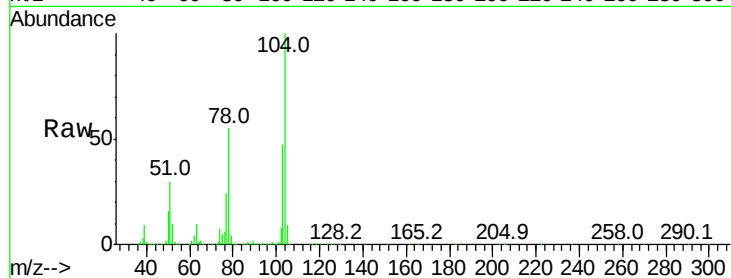
Tgt Ion:104 Resp: 2227503

Ion Ratio Lower Upper

104 100

78 55.1 42.8 64.2

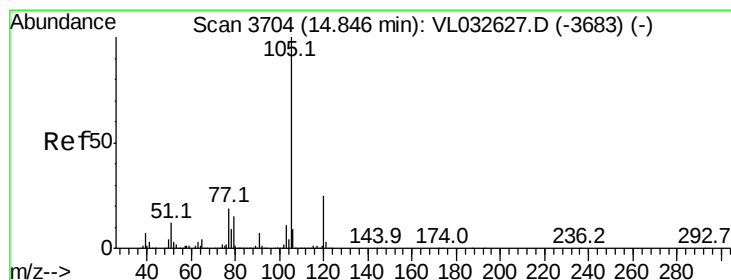
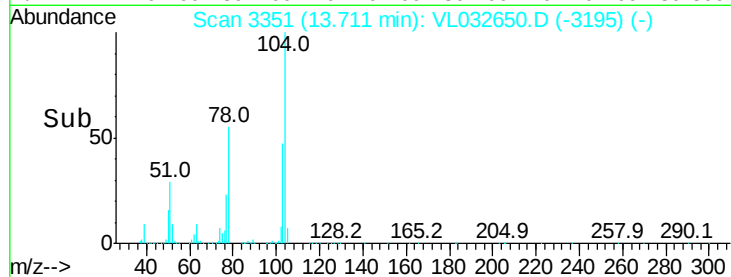
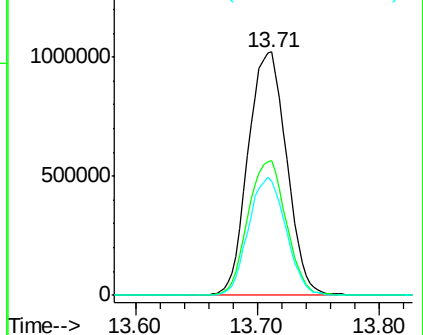
103 47.2 37.4 56.0



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: 9.088 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL032650.D

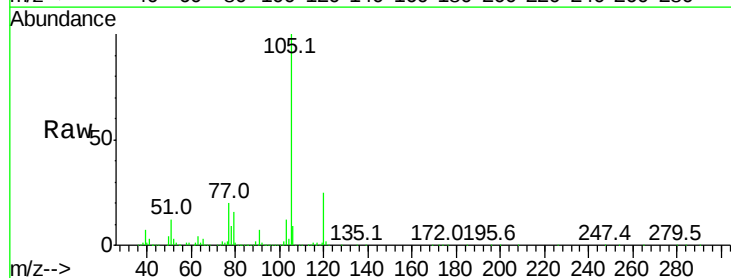
Acq: 17 Oct 2018 21:20

Tgt Ion:105 Resp: 4377756

Ion Ratio Lower Upper

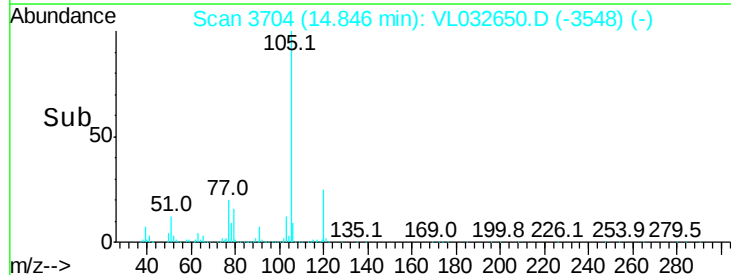
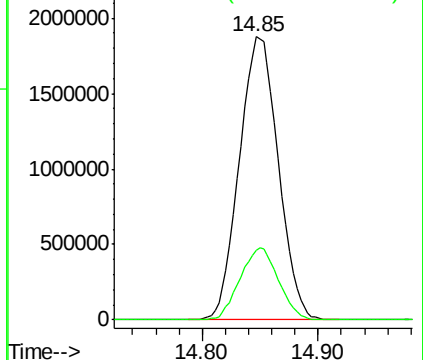
105 100

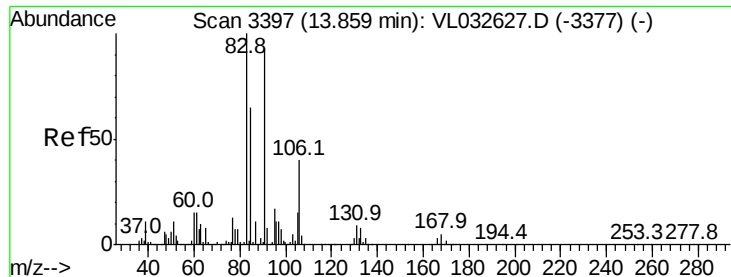
120 25.2 20.5 30.7



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: 7.856 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

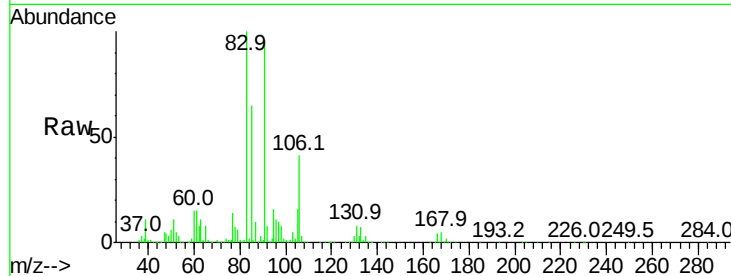
Tgt Ion: 83 Resp: 2344277

Ion Ratio Lower Upper

83 100

131 8.6 4.3 12.9

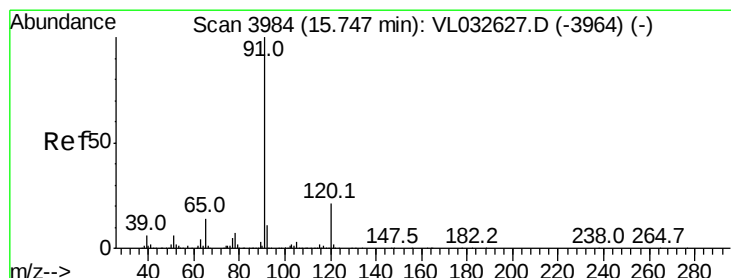
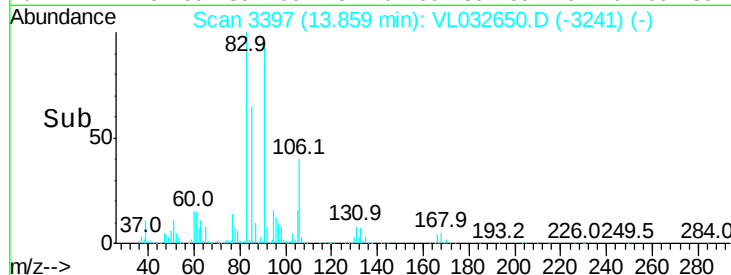
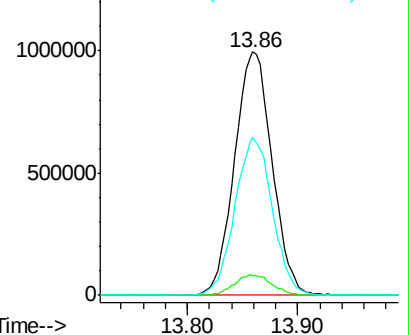
85 64.8 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.129 ppbv

RT: 15.75 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VL032650.D

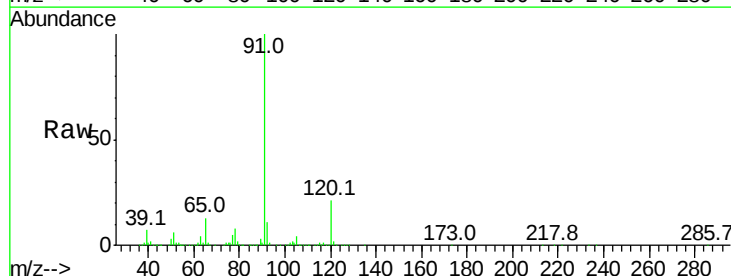
Acq: 17 Oct 2018 21:20

Tgt Ion: 120 Resp: 1114338

Ion Ratio Lower Upper

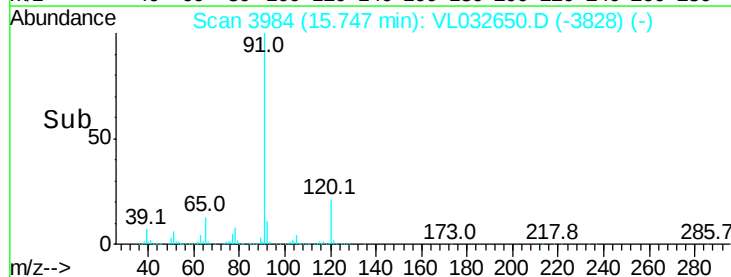
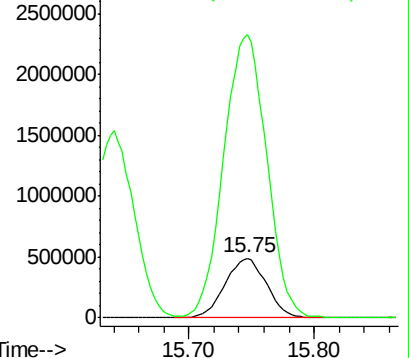
120 100

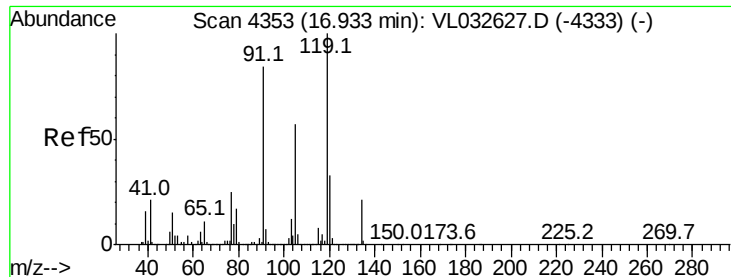
91 499.0 390.2 585.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

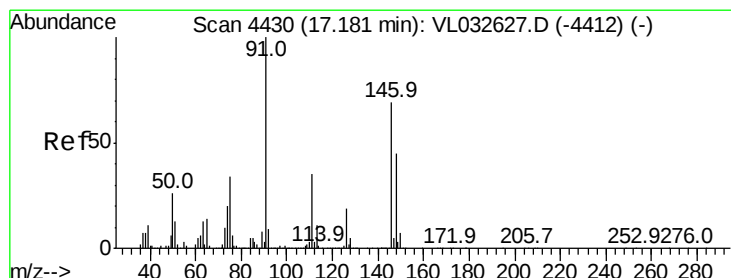
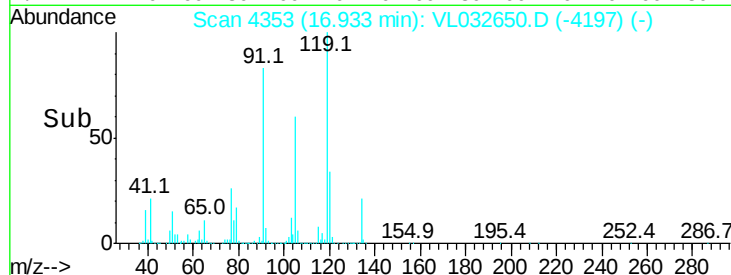
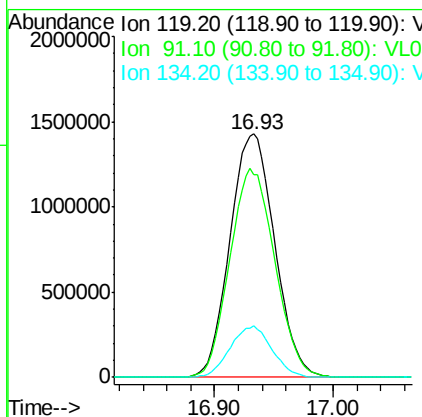
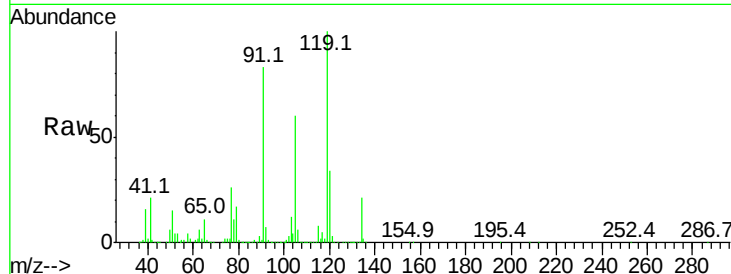




#65
 tert-Butylbenzene
 Concen: 9.026 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

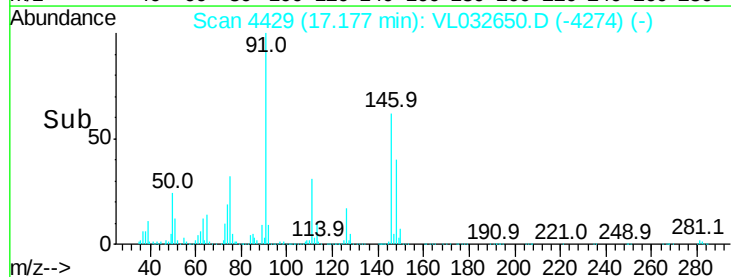
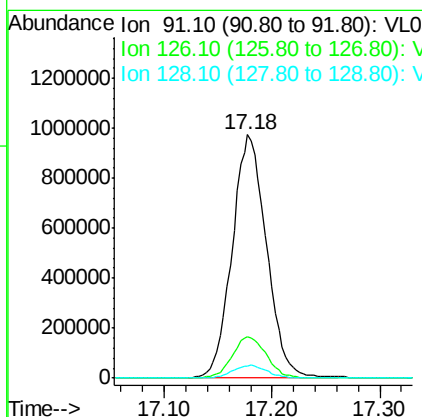
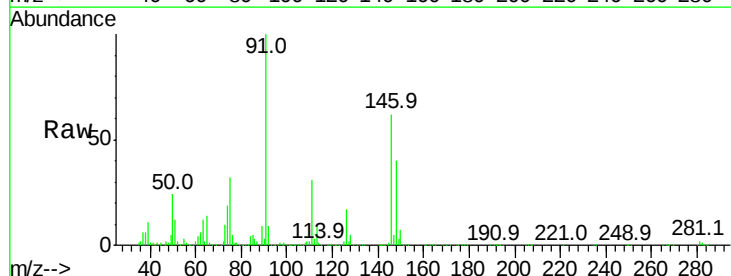
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

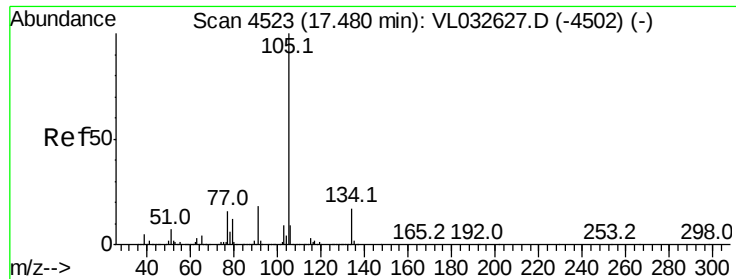
Tgt Ion: 119 Resp: 3689372
 Ion Ratio Lower Upper
 119 100
 91 87.2 67.8 101.8
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.355 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion: 91 Resp: 2155928
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.9 20.9
 128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.914 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

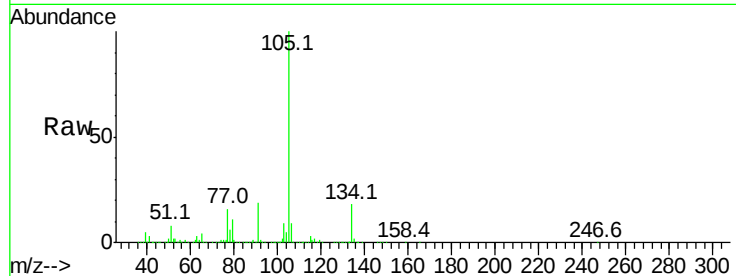
VL1017ABS01DUP

Tgt Ion:105 Resp: 5483733

Ion Ratio Lower Upper

105 100

134 17.5 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.48

2000000

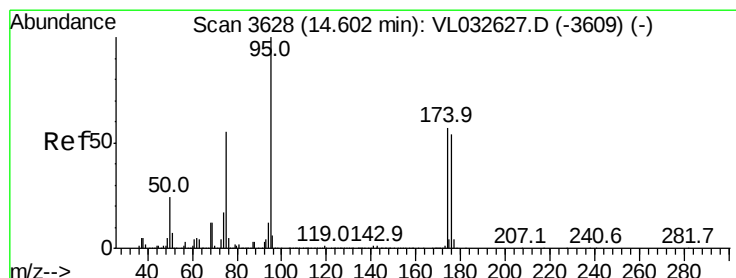
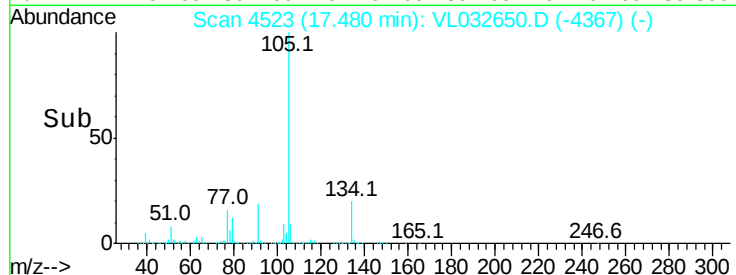
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.216 ppbv

RT: 14.60 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

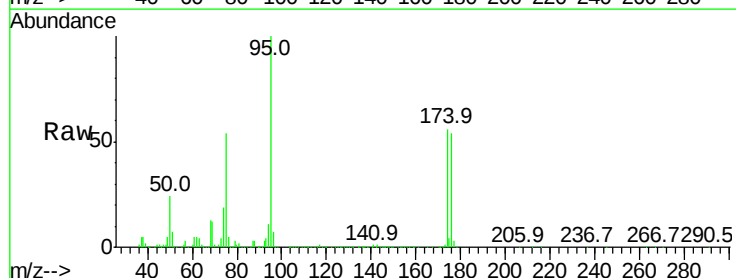
Tgt Ion: 95 Resp: 2094074

Ion Ratio Lower Upper

95 100

174 57.1 46.0 69.0

175 3.9 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

14.60

1200000

1000000

800000

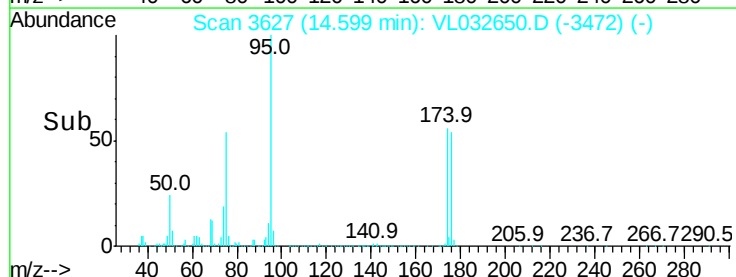
600000

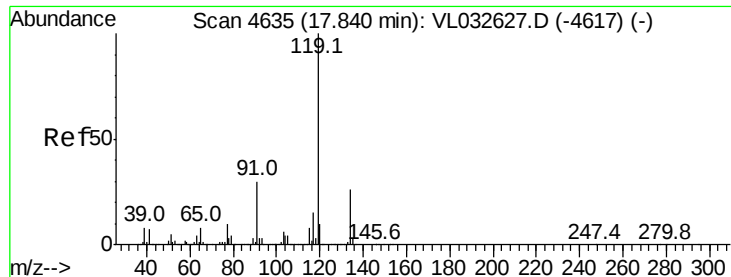
400000

200000

0

Time-->





#69

p-Isopropyltoluene

Concen: 9.377 ppbv

RT: 17.84 min Scan# 4635

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

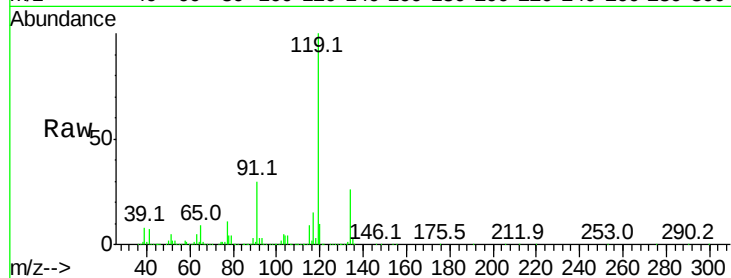
Tgt Ion: 119 Resp: 4365899

Ion Ratio Lower Upper

119 100

134 25.1 20.2 30.2

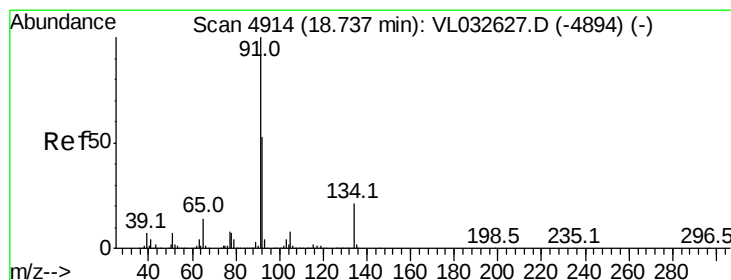
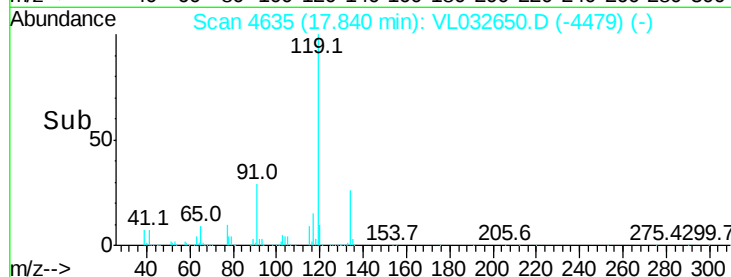
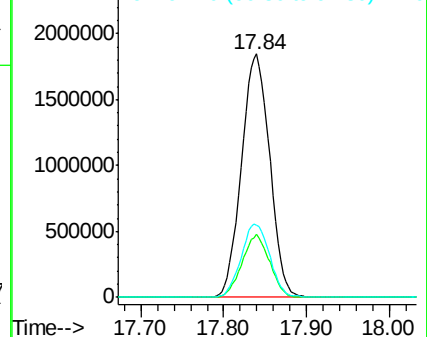
91 30.5 24.0 36.0



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 9.274 ppbv

RT: 18.74 min Scan# 4914

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

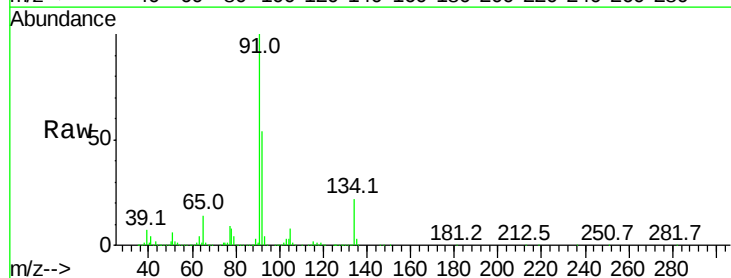
Tgt Ion: 91 Resp: 4757633

Ion Ratio Lower Upper

91 100

92 53.9 43.0 64.4

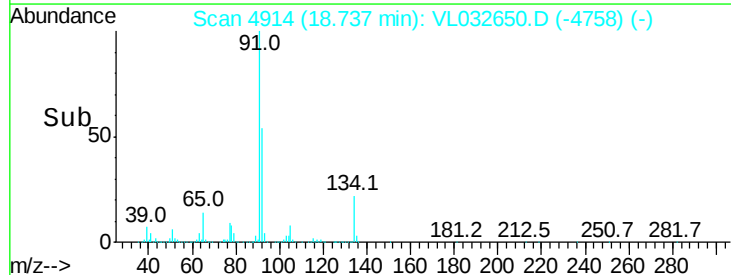
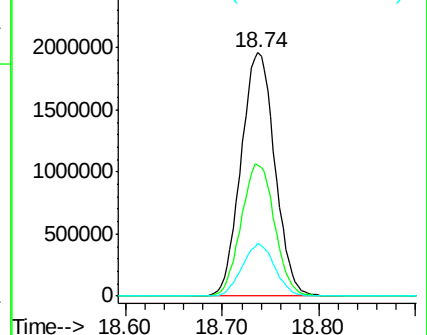
134 20.9 17.0 25.6

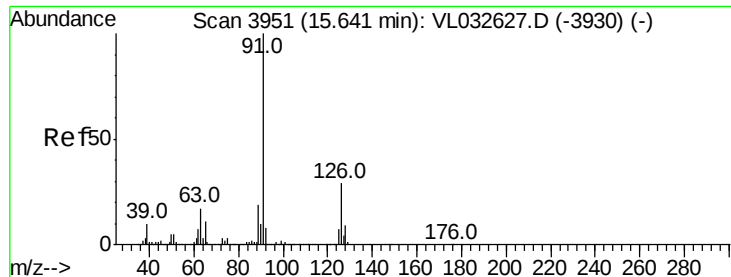


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.729 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

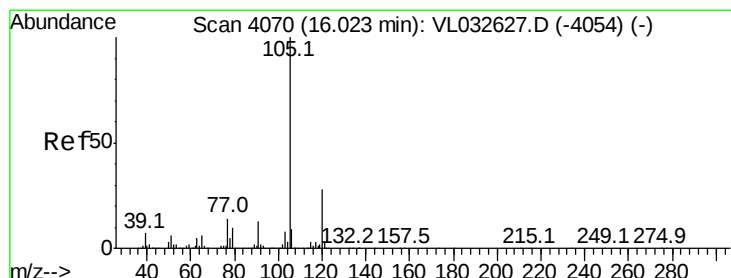
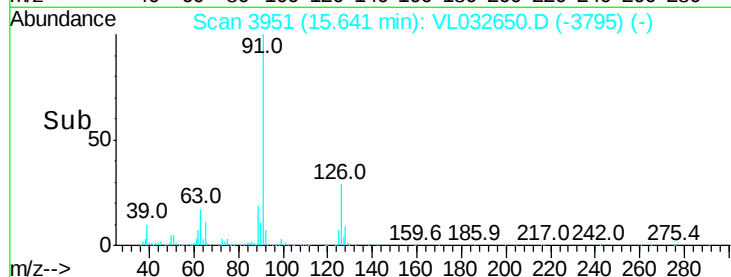
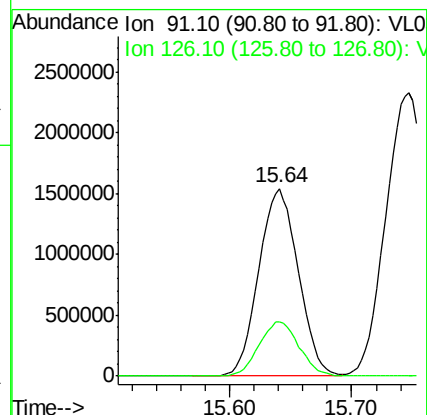
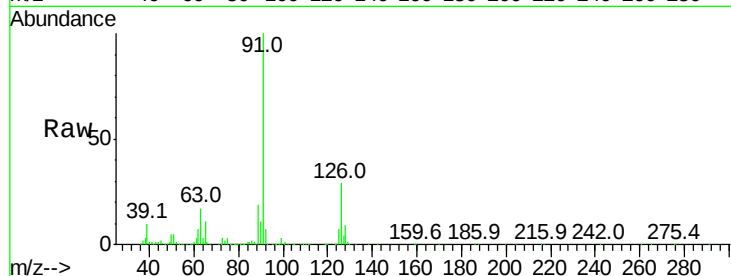
VL1017ABS01DUP

Tgt Ion: 91 Resp: 3464328

Ion Ratio Lower Upper

91 100

126 29.3 11.8 47.4



#72

4-Ethyltoluene

Concen: 9.696 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Tgt Ion: 105 Resp: 3544078

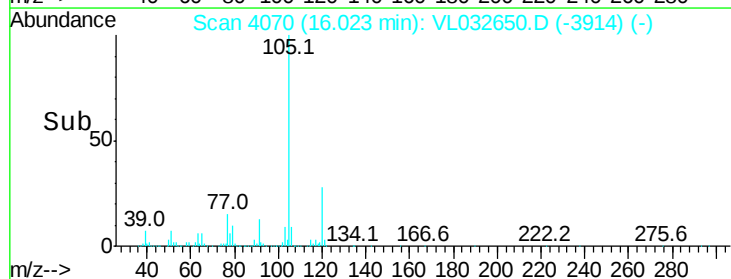
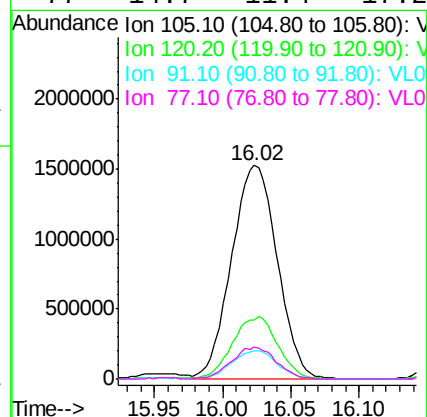
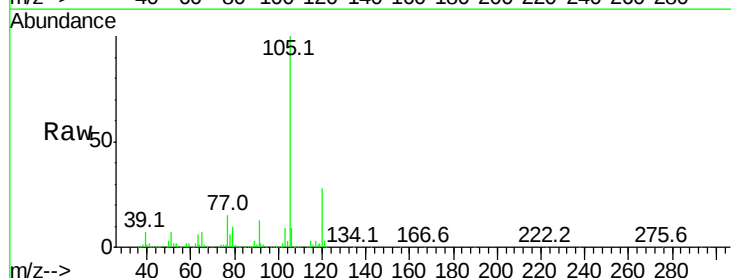
Ion Ratio Lower Upper

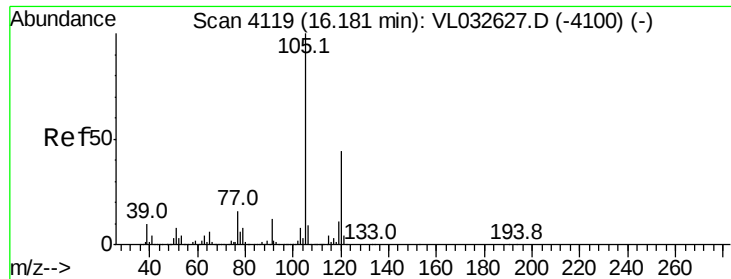
105 100

120 29.0 23.7 35.5

91 13.3 10.4 15.6

77 14.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 9.396 ppbv

RT: 16.18 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

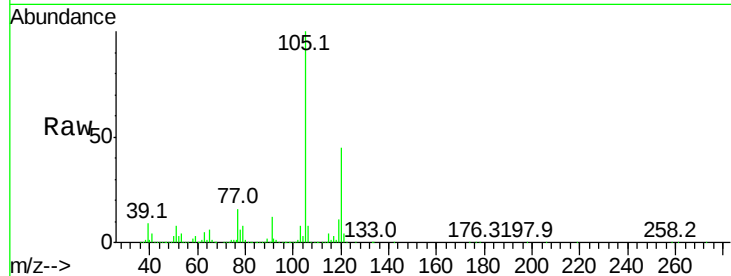
VL1017ABS01DUP

Tgt Ion:105 Resp: 3415940

Ion Ratio Lower Upper

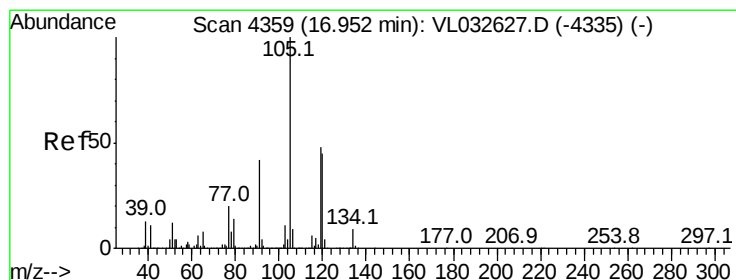
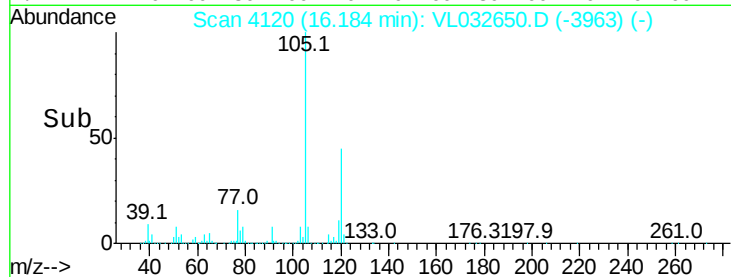
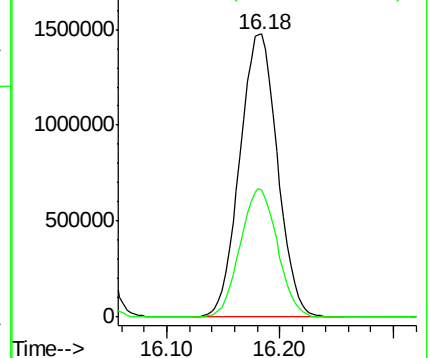
105 100

120 44.8 35.4 53.2



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: 8.698 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Tgt Ion:105 Resp: 3481400

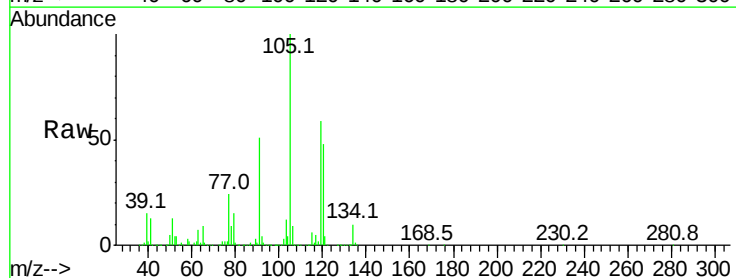
Ion Ratio Lower Upper

105 100

120 47.5 35.8 53.8

91 50.5 33.2 49.8#

77 23.6 16.2 24.4

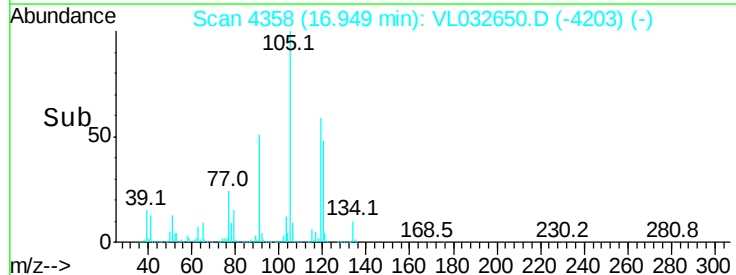
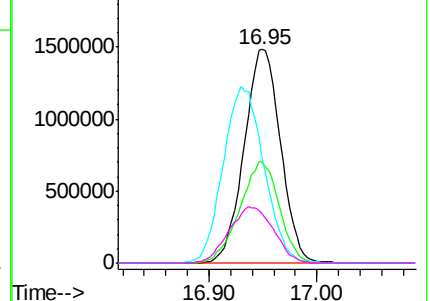


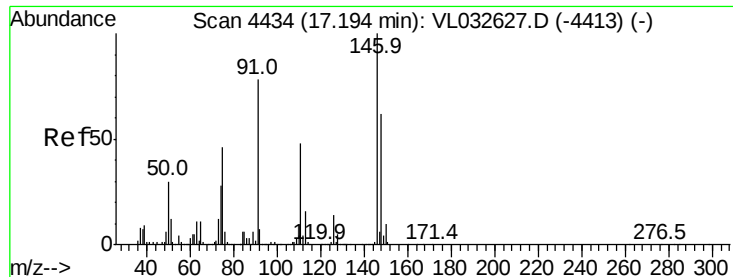
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.111 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

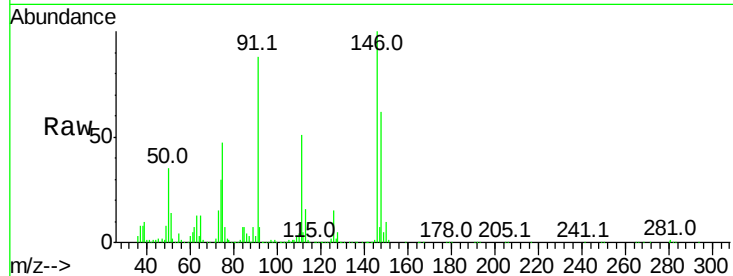
Tgt Ion:146 Resp: 1886825

Ion Ratio Lower Upper

146 100

111 49.7 24.4 73.2

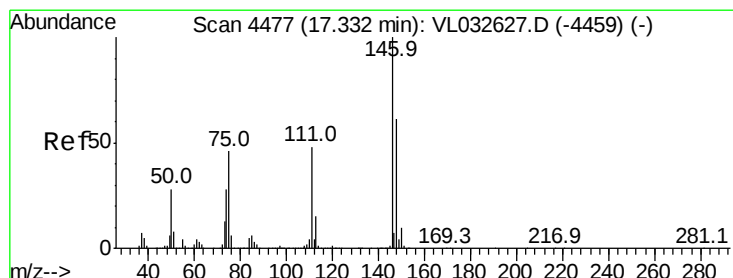
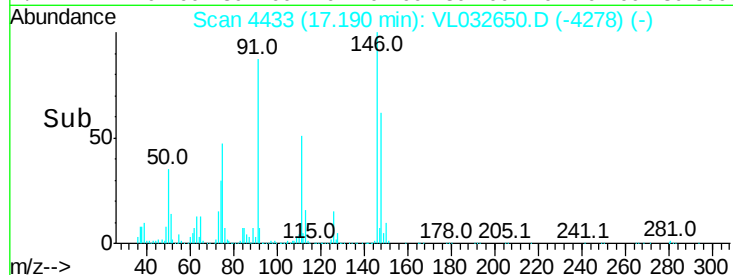
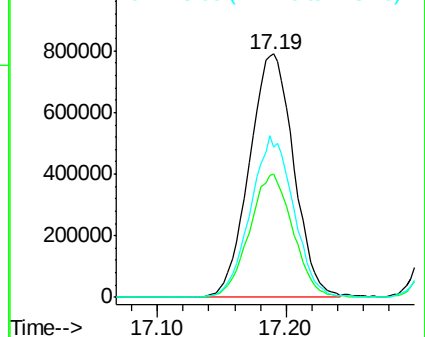
148 64.5 31.9 95.9



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



#76

1,4-Dichlorobenzene

Concen: 8.760 ppbv

RT: 17.33 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

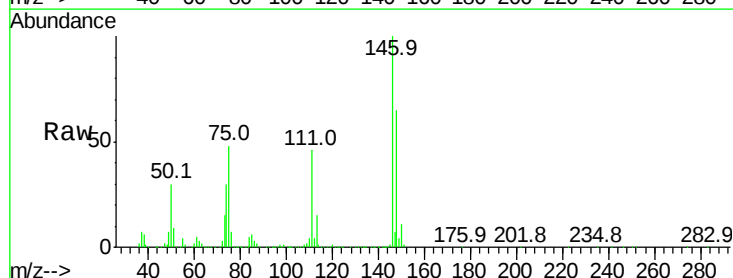
Tgt Ion:146 Resp: 1856840

Ion Ratio Lower Upper

146 100

111 48.5 23.7 71.1

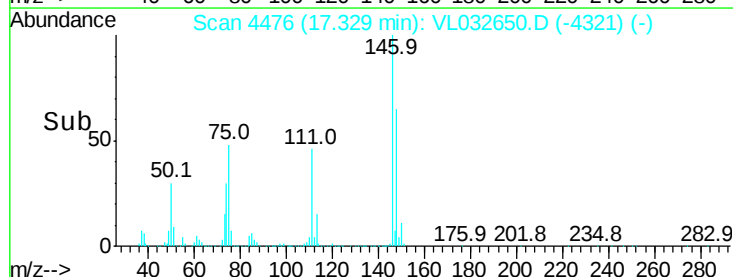
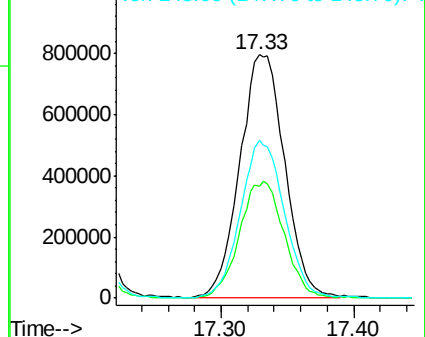
148 64.0 32.1 96.3

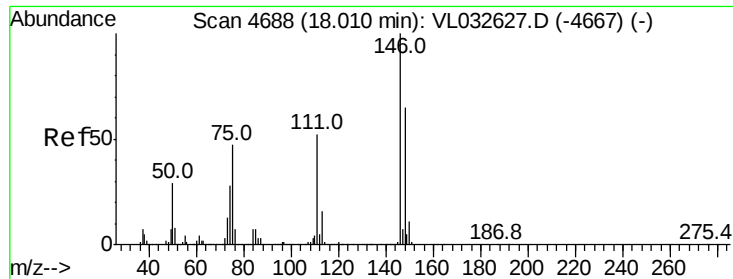


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

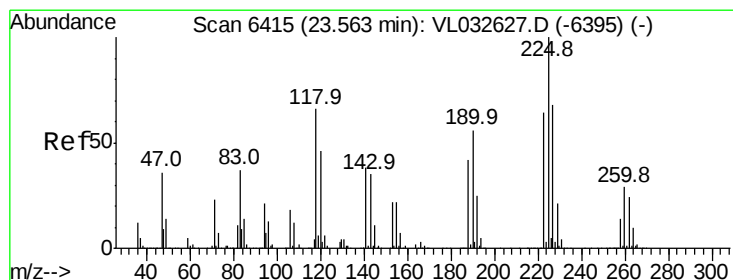
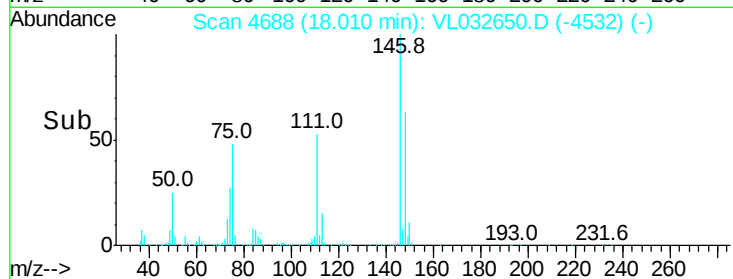
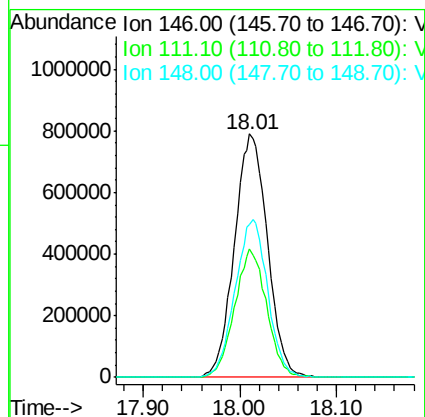
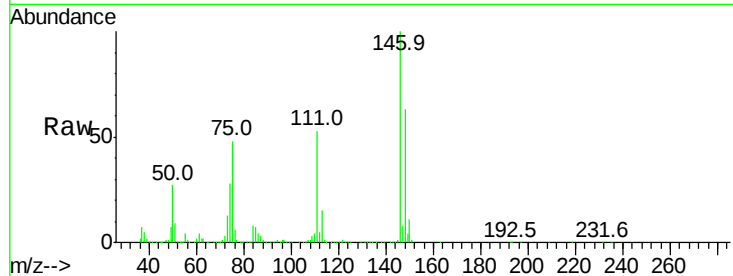




#77
 1,2-Dichlorobenzene
 Concen: 8.374 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

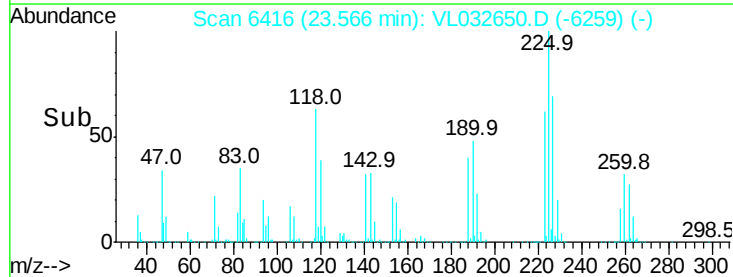
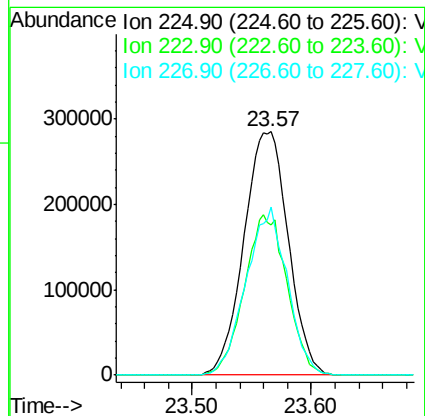
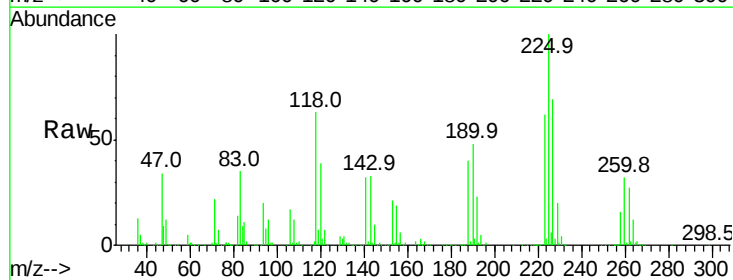
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

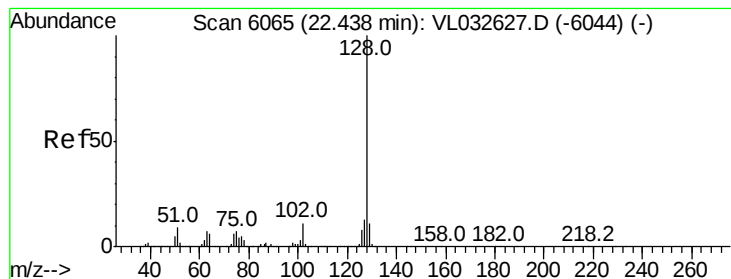
Tgt Ion:146 Resp: 1872754
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.3 75.8
 148 64.0 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 5.876 ppbv
 RT: 23.57 min Scan# 6416
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Tgt Ion:225 Resp: 735441
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.7 76.1
 227 63.9 50.7 76.1





#79

Naphthalene

Concen: 10.460 ppbv

RT: 22.44 min Scan# 6065

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01DUP

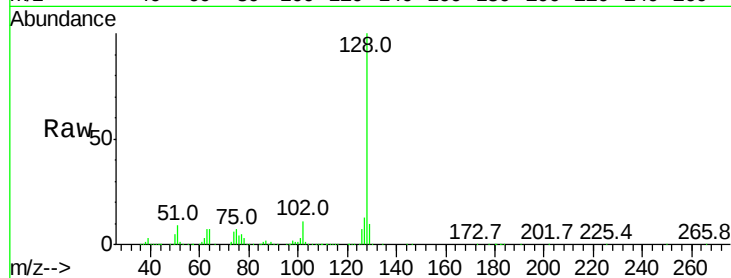
Tgt Ion:128 Resp: 2847227

Ion Ratio Lower Upper

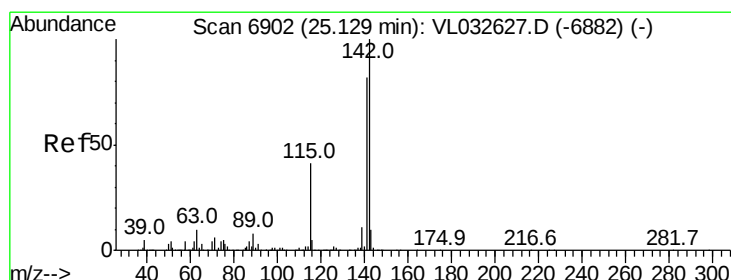
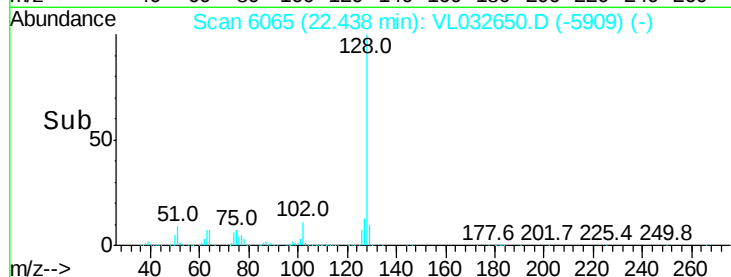
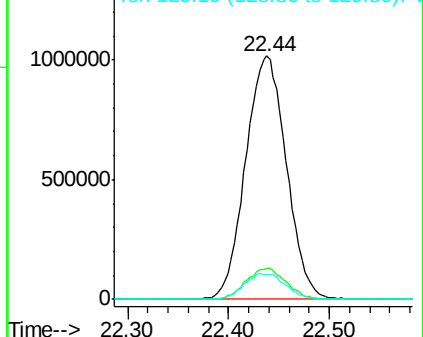
128 100

127 12.6 10.3 15.5

129 10.0 8.6 13.0



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: 8.635 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL032650.D

Acq: 17 Oct 2018 21:20

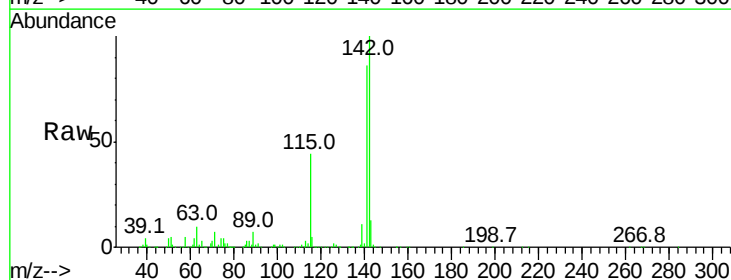
Tgt Ion:142 Resp: 750992

Ion Ratio Lower Upper

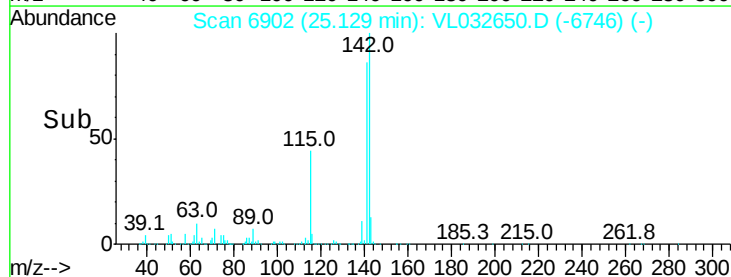
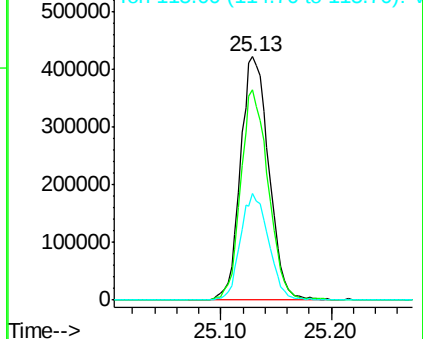
142 100

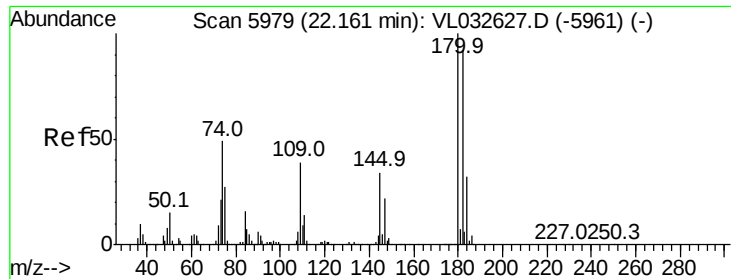
141 84.1 67.5 101.3

115 43.7 33.5 50.3



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

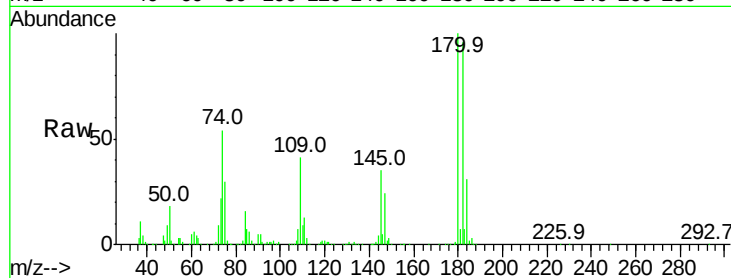




#81
 1,2,4-Trichlorobenzene
 Concen: 9.811 ppbv
 RT: 22.16 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL032650.D
 Acq: 17 Oct 2018 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01DUP

Tgt Ion:180 Resp: 1325640
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.5 114.7
 184 30.4 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

