

Data File : VL032601.D
Acq On : 11 Oct 2018 12:41
Operator : SY/AP
Sample : VL1011ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

Quant Time: Oct 12 01:52:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1490415	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3496730	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	4697679	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2781997	7.85	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	1214181	8.808	ppbv	99
3) Chlorodifluoromethane	3.03	51	1071863	8.648	ppbv	96
4) Chloromethane	3.19	50	603507	8.351	ppbv	96
5) Vinyl Chloride	3.31	62	606464	8.305	ppbv	100
6) Bromomethane	3.53	94	381516	9.553	ppbv	97
7) Chloroethane	3.62	64	240875	9.257	ppbv	95
8) Dichlorotetrafluoroethane	3.24	85	1419111	9.422	ppbv	97
9) Propene	3.05	41	429062	7.979	ppbv	99
10) Heptane	8.28	43	1845866	9.358	ppbv	95
11) Trichlorofluoromethane	4.02	101	1614142	9.850	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1300575	9.709	ppbv	99
13) Ethanol	3.67	45	139725	8.644	ppbv	96
14) Bromoethene	3.80	108	476480	10.024	ppbv	100
15) Acetone	3.92	43	1134096	8.669	ppbv	99
16) 1,3-Butadiene	3.38	39	514612	9.700	ppbv	96
17) tert-Butyl alcohol	4.38	59	153380	9.330	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	663278	10.573	ppbv	97
19) Isopropyl Alcohol	4.04	45	886333	9.726	ppbv	99
20) Methylene Chloride	4.43	84	614113	9.694	ppbv	98
21) Allyl Chloride	4.50	41	1136702	10.631	ppbv	98
22) trans-1,2-Dichloroethene	4.99	96	663909	11.229	ppbv	97
23) Vinyl Acetate	5.17	43	1961239	8.484	ppbv	98
24) 1,1-Dichloroethane	5.12	63	1791726	9.307	ppbv	99
25) Ethyl Acetate	5.79	43	2854019	8.991	ppbv	100
26) Hexane	5.81	57	1333459	9.300	ppbv	100
27) Carbon Disulfide	4.64	76	1549260	10.050	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1799422	10.074	ppbv	97
29) Chloroform	5.88	83	2157163	9.805	ppbv	97
30) Cyclohexane	7.27	84	1184242	10.143	ppbv	95
31) cis-1,2-Dichloroethene	5.67	61	1310162	9.594	ppbv	97
32) 1,1,1-Trichloroethane	6.65	97	2181963	9.306	ppbv	99
34) 2-Butanone	5.35	43	1616759	7.764	ppbv	97
35) Carbon Tetrachloride	7.16	117	2248863	9.255	ppbv	97
36) Benzene	7.03	78	2865951	10.142	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1722642	10.115	ppbv	98
38) Trichloroethene	7.99	130	1091938	10.095	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1150619	9.035	ppbv	97
40) 1,4-Dioxane	7.99	88	425999	10.910	ppbv	62
41) Tetrahydrofuran	6.17	42	1091404	9.647	ppbv	93
42) Bromodichloromethane	7.95	83	2496849	9.786	ppbv	100
43) Methyl Methacrylate	8.17	69	1205545	10.212	ppbv	96

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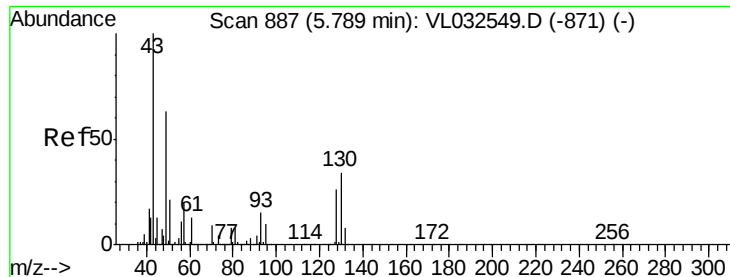
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5072707	9.185	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1509171	10.277	ppbv	99
46) cis-1,3-Dichloropropene	8.87	75	1806062	10.486	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1316933	9.311	ppbv	99
48) Dibromochloromethane	10.49	129	2241674	10.079	ppbv	100
49) Bromoform	13.24	173	1766291	10.394	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2978471	9.100	ppbv	99
51) 2-Hexanone	10.30	43	2602142	9.613	ppbv	99
52) Tetrachloroethene	11.41	164	988321	10.045	ppbv	98
53) Toluene	9.98	91	3628397	10.536	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2011109	9.997	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.31	131	1611109	7.630	ppbv #	59
57) Chlorobenzene	12.34	112	2731680	7.219	ppbv	100
58) Ethyl Benzene	12.90	91	4536396	7.961	ppbv	98
59) m/p-Xylene	13.18	91	3334465	6.577	ppbv #	14
60) o-Xylene	13.88	91	3741266	7.579	ppbv	100
61) Styrene	13.72	104	2681934	8.306	ppbv	99
62) Isopropylbenzene	14.86	105	5274989	7.556	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2855044	6.511	ppbv	99
64) n-propylbenzene	15.76	120	1376237	7.674	ppbv	97
65) tert-Butylbenzene	16.95	119	4488873	7.502	ppbv	98
66) Benzyl Chloride	17.19	91	2728795	7.913	ppbv	100
67) sec-Butylbenzene	17.49	105	6605953	7.426	ppbv	100
69) p-Isopropyltoluene	17.85	119	5279291	7.684	ppbv	100
70) n-Butylbenzene	18.75	91	5788893	7.713	ppbv	99
71) 2-Chlorotoluene	15.65	91	4176827	7.856	ppbv	100
72) 4-Ethyltoluene	16.04	105	4336114	8.093	ppbv	100
73) 1,3,5-Trimethylbenzene	16.19	105	4127490	7.927	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	4221061	7.529	ppbv	99
75) 1,3-Dichlorobenzene	17.20	146	2375454	6.867	ppbv	99
76) 1,4-Dichlorobenzene	17.34	146	2308415	7.288	ppbv	99
77) 1,2-Dichlorobenzene	18.02	146	2330892	7.165	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	821940	6.732	ppbv	99
79) Naphthalene	22.45	128	3734969	9.237	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	1071212	11.284	ppbv	98
81) 1,2,4-Trichlorobenzene	22.17	180	1753294	8.460	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

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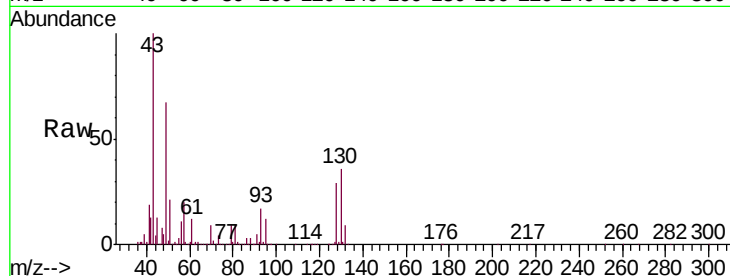
Tgt Ion: 49 Resp: 1490415

Ion Ratio Lower Upper

49 100

128 44.3 20.7 62.1

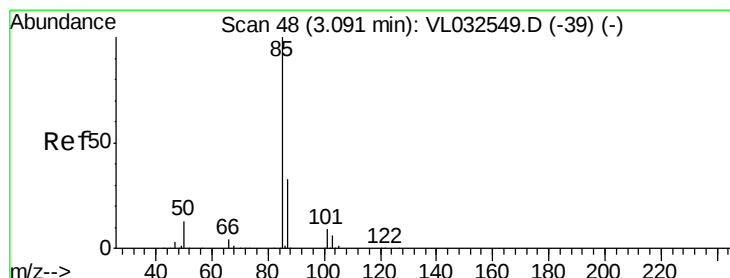
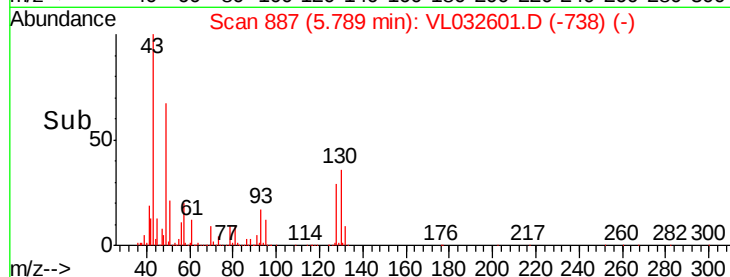
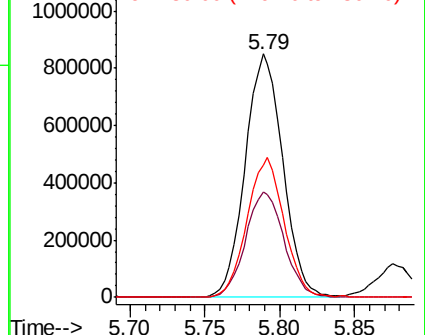
130 56.9 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.808 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032601.D

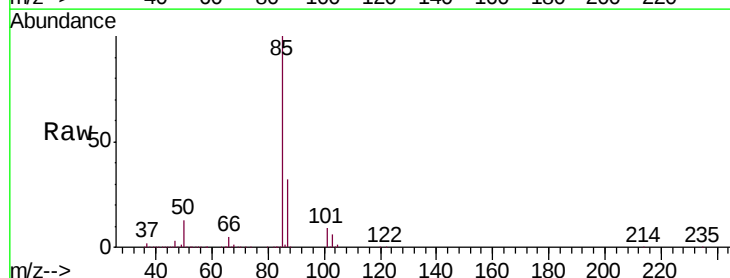
Acq: 11 Oct 2018 12:41

Tgt Ion: 85 Resp: 1214181

Ion Ratio Lower Upper

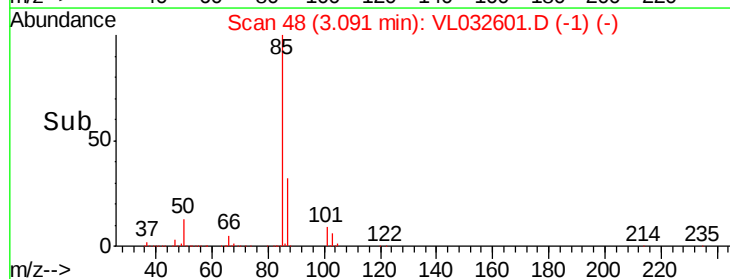
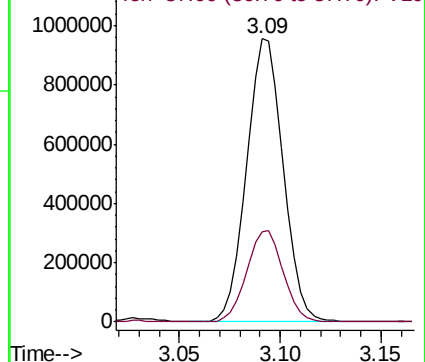
85 100

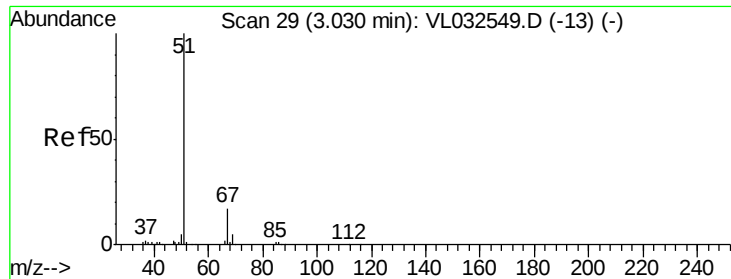
87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.648 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

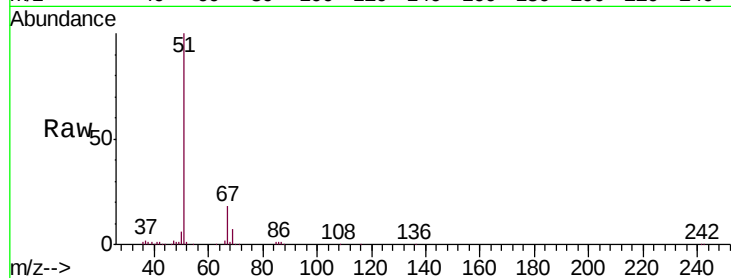
VL1011ABS01

Tgt Ion: 51 Resp: 1071863

Ion Ratio Lower Upper

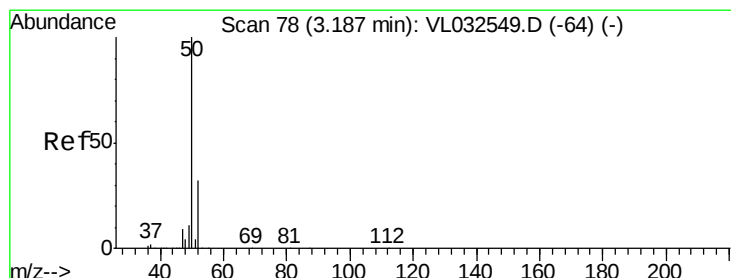
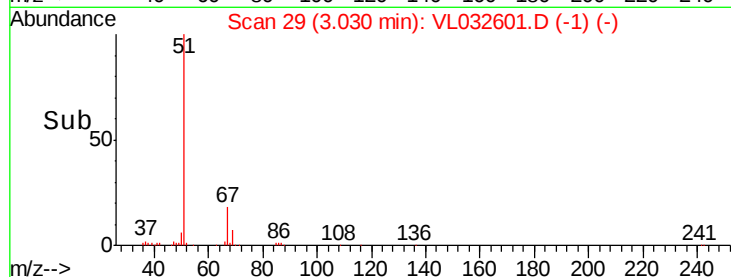
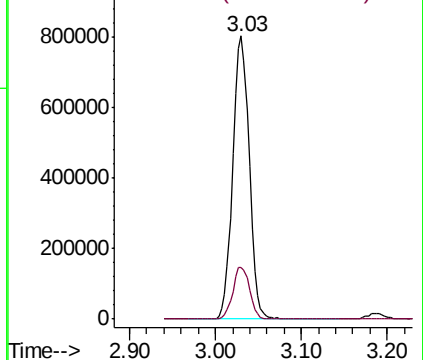
51 100

67 18.9 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.351 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032601.D

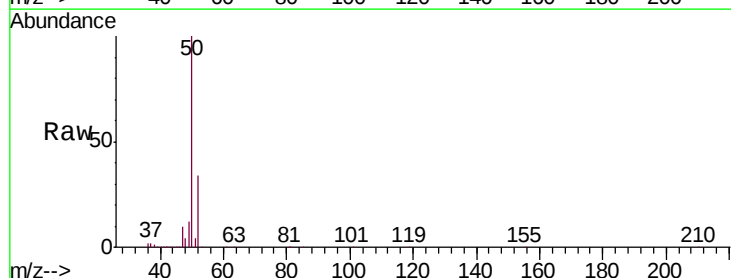
Acq: 11 Oct 2018 12:41

Tgt Ion: 50 Resp: 603507

Ion Ratio Lower Upper

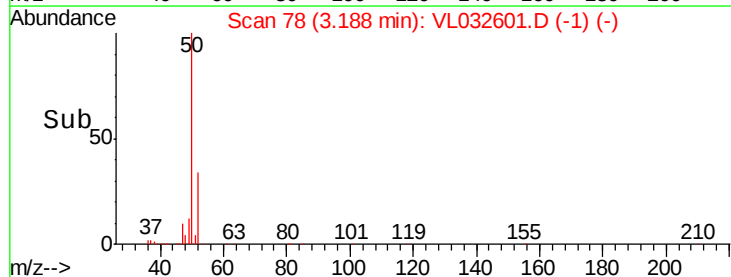
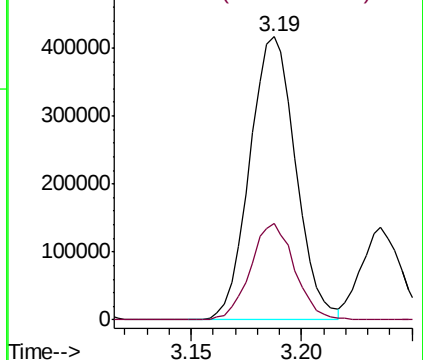
50 100

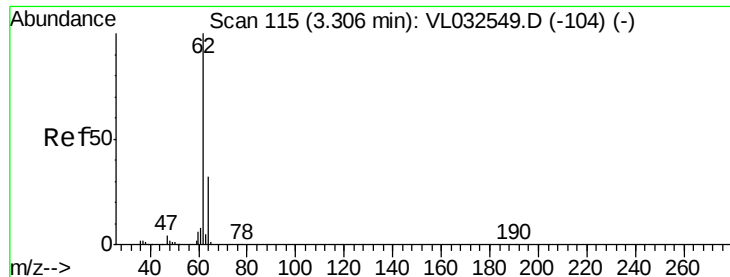
52 34.2 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.305 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

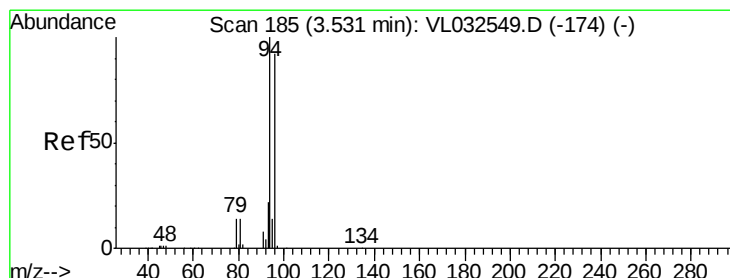
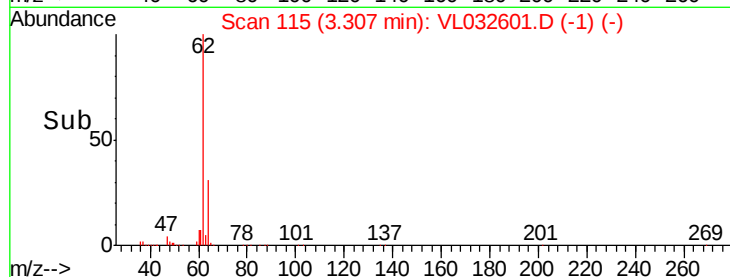
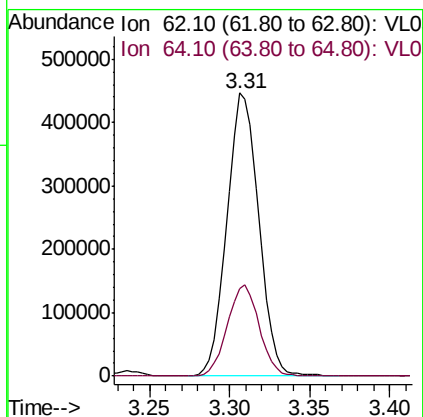
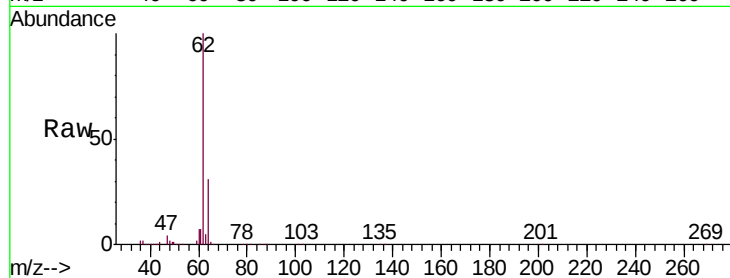
VL1011ABS01

Tgt Ion: 62 Resp: 606464

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.6



#6

Bromomethane

Concen: 9.553 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032601.D

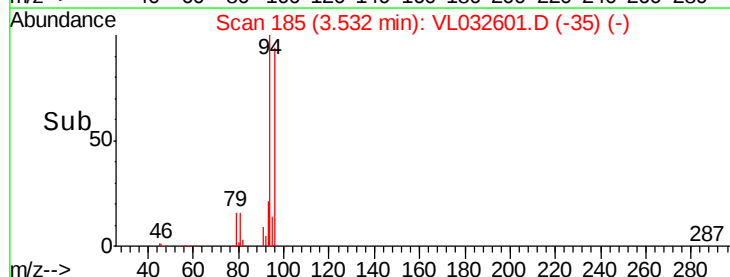
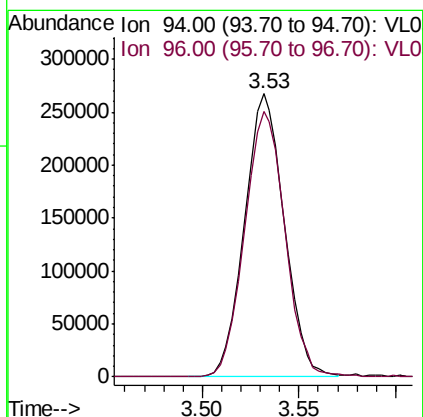
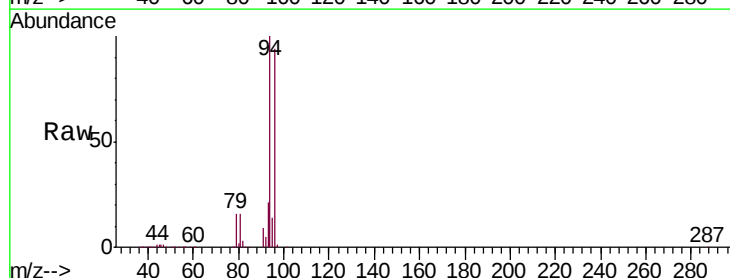
Acq: 11 Oct 2018 12:41

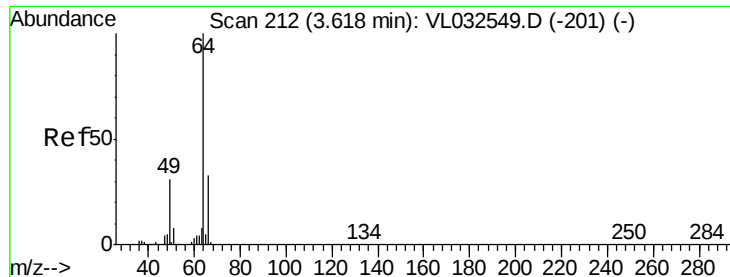
Tgt Ion: 94 Resp: 381516

Ion Ratio Lower Upper

94 100

96 93.7 72.8 109.2





#7

Chloroethane

Concen: 9.257 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

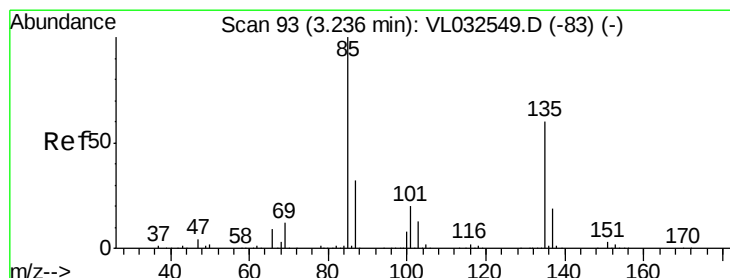
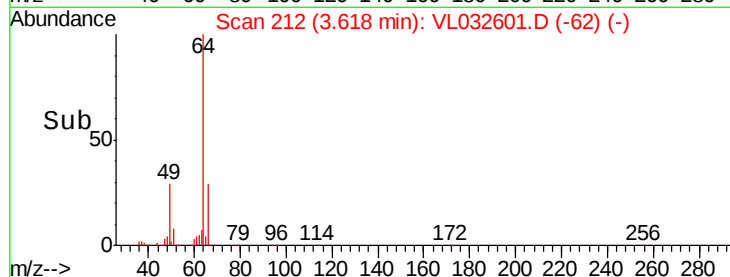
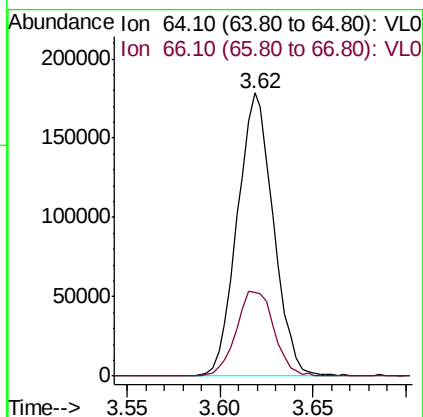
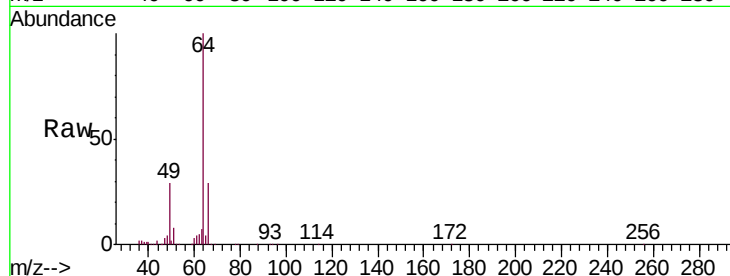
VL1011ABS01

Tgt Ion: 64 Resp: 240875

Ion Ratio Lower Upper

64 100

66 29.4 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.422 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032601.D

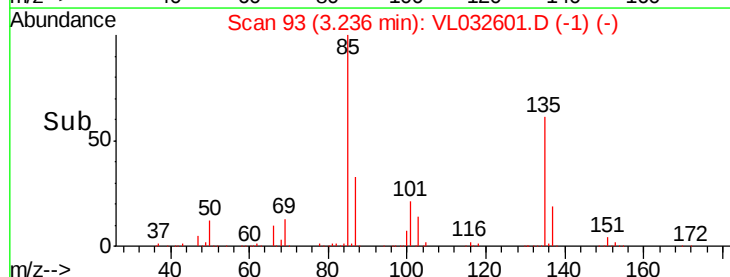
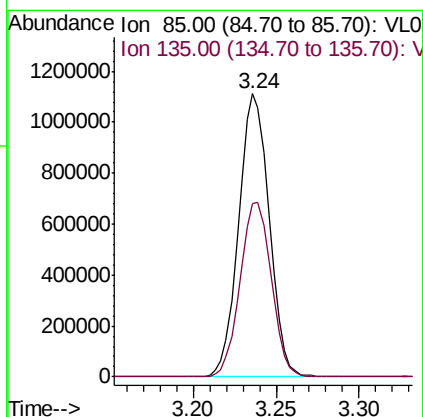
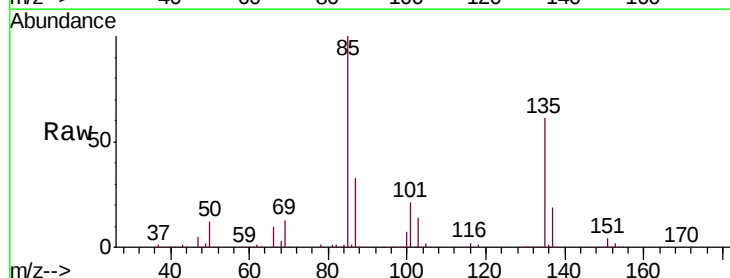
Acq: 11 Oct 2018 12:41

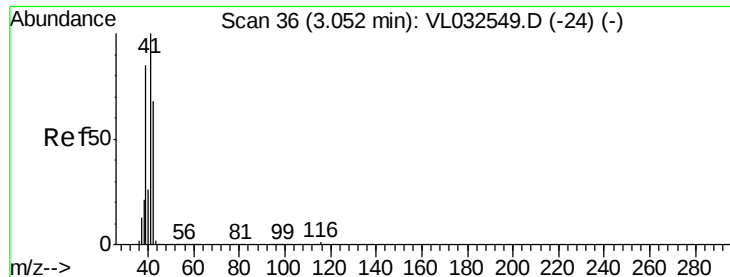
Tgt Ion: 85 Resp: 1419111

Ion Ratio Lower Upper

85 100

135 63.3 48.6 72.8





#9

Propene

Concen: 7.979 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

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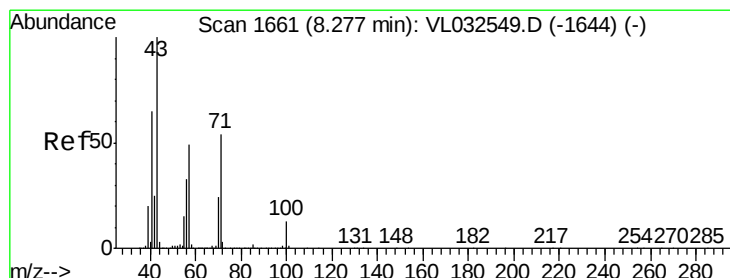
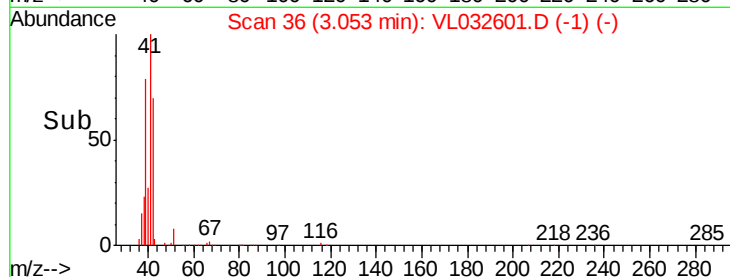
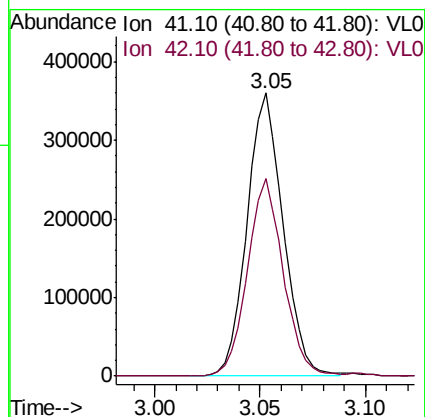
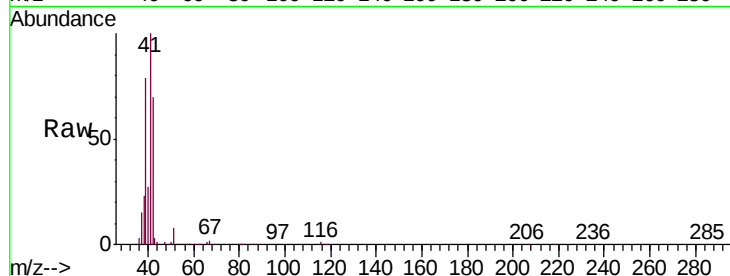
VL1011ABS01

Tgt Ion: 41 Resp: 429062

Ion Ratio Lower Upper

41 100

42 70.2 56.6 84.8



#10

Heptane

Concen: 9.358 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032601.D

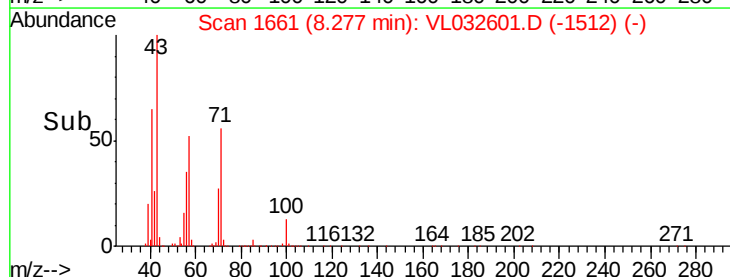
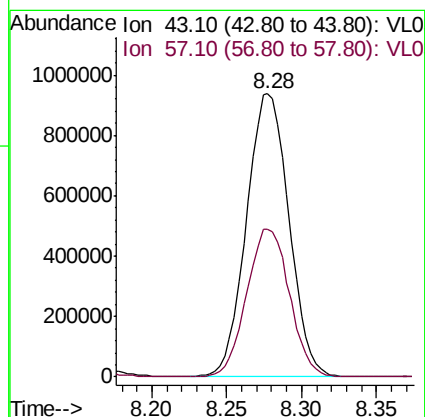
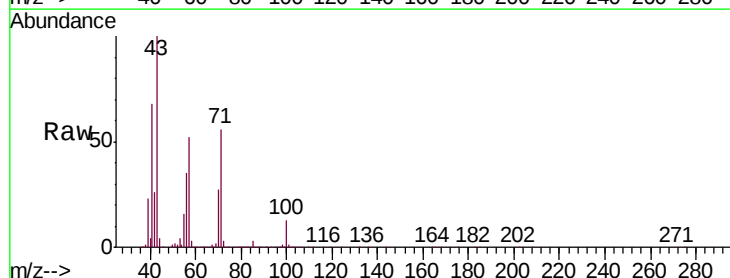
Acq: 11 Oct 2018 12:41

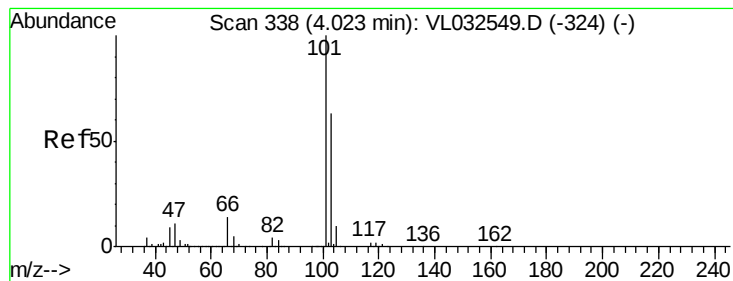
Tgt Ion: 43 Resp: 1845866

Ion Ratio Lower Upper

43 100

57 52.9 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.850 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

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Acq: 11 Oct 2018 12:41

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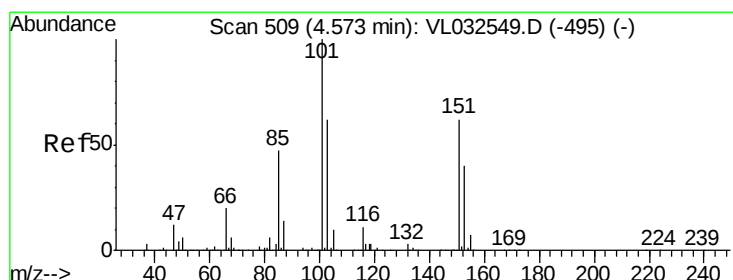
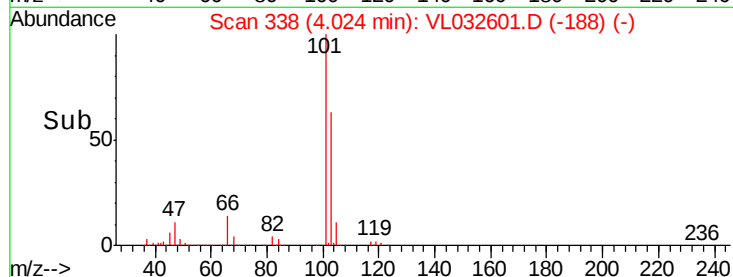
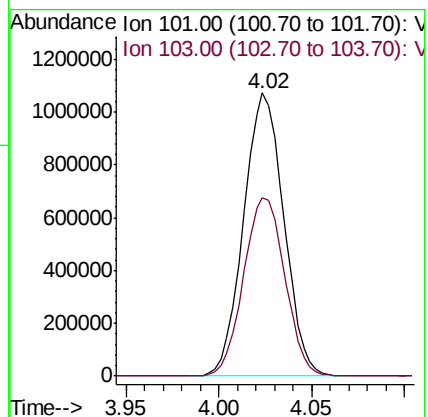
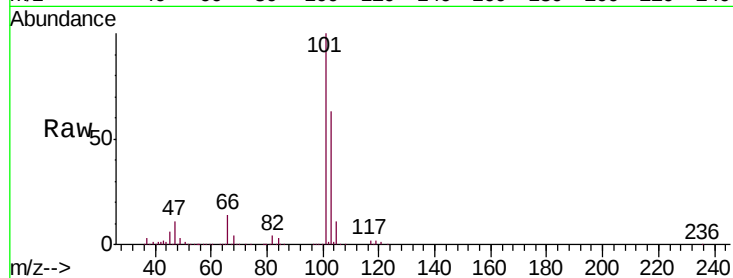
VL1011ABS01

Tgt Ion:101 Resp: 1614142

Ion Ratio Lower Upper

101 100

103 63.2 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.709 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032601.D

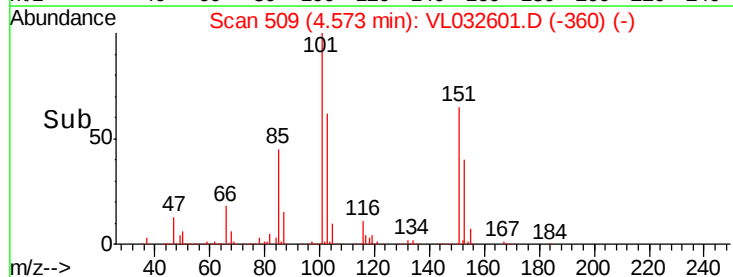
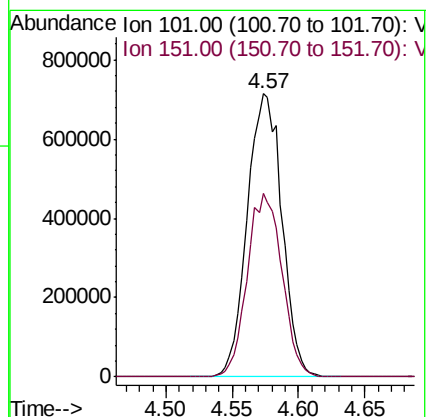
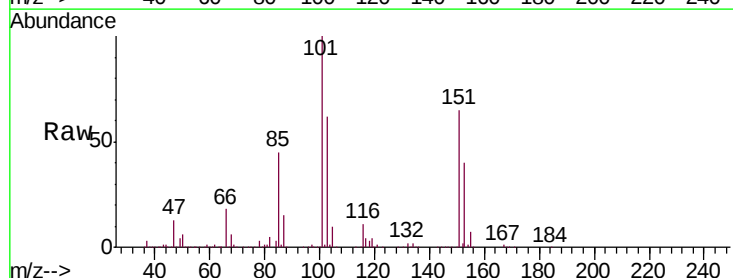
Acq: 11 Oct 2018 12:41

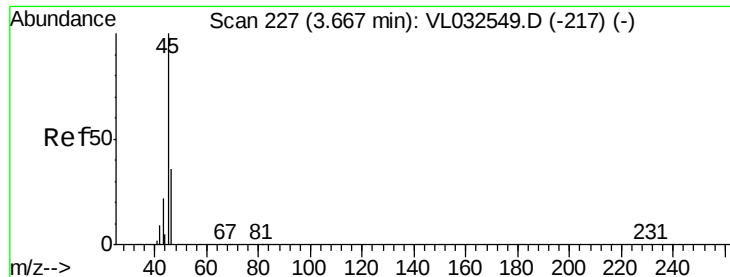
Tgt Ion:101 Resp: 1300575

Ion Ratio Lower Upper

101 100

151 64.9 52.6 78.8





#13

Ethanol

Concen: 8.644 ppbv

RT: 3.67 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

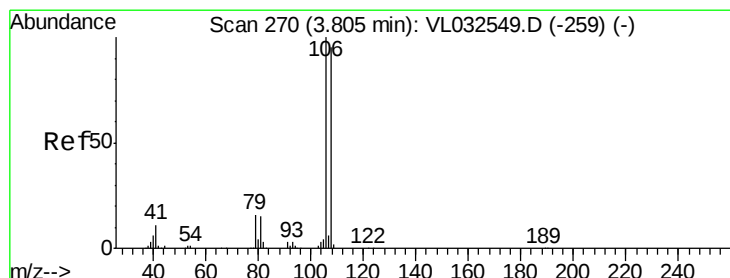
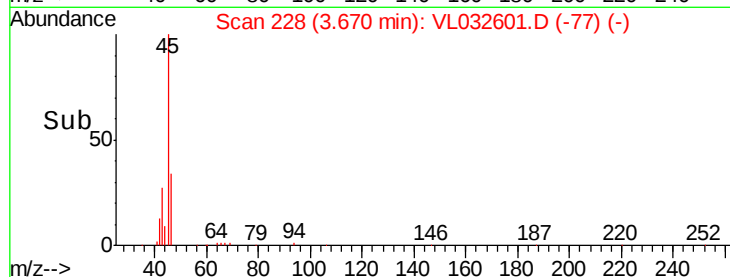
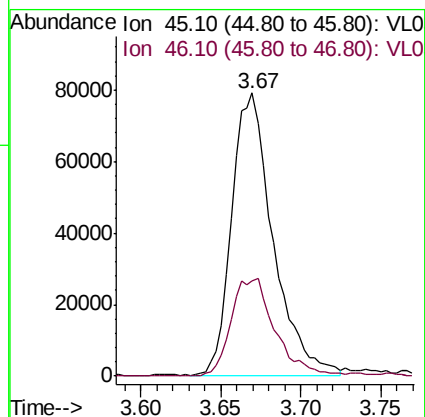
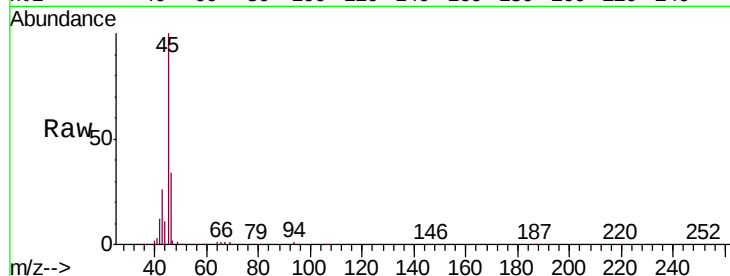
VL1011ABS01

Tgt Ion: 45 Resp: 139725

Ion Ratio Lower Upper

45 100

46 37.8 14.2 56.8



#14

Bromoethene

Concen: 10.024 ppbv

RT: 3.80 min Scan# 270

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

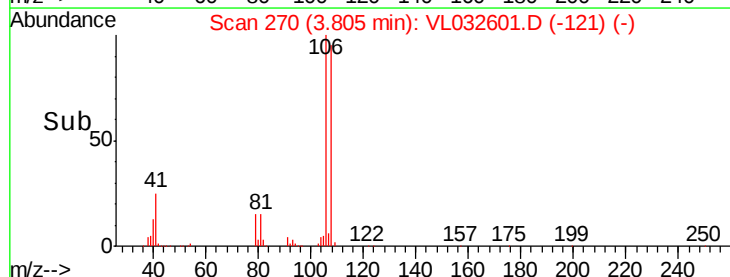
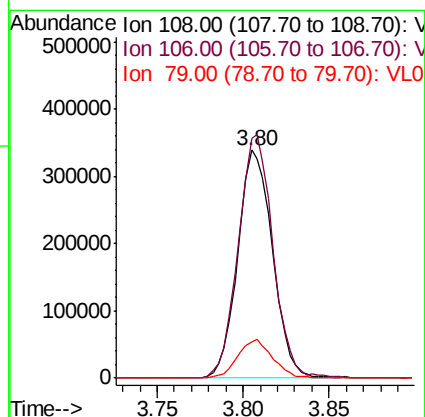
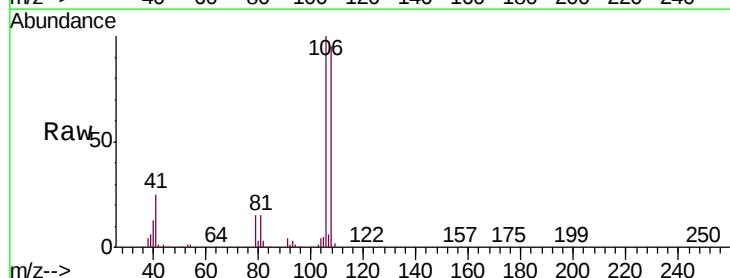
Tgt Ion: 108 Resp: 476480

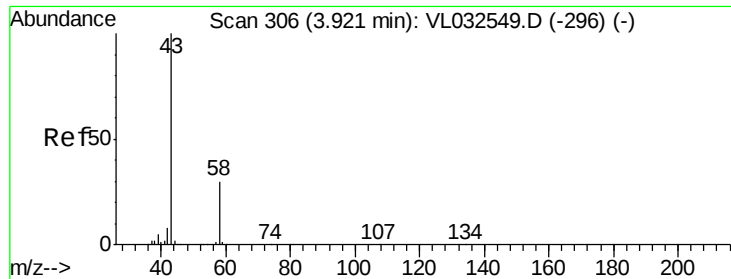
Ion Ratio Lower Upper

108 100

106 106.6 85.5 128.3

79 17.1 13.0 19.6





#15

Acetone

Concen: 8.669 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

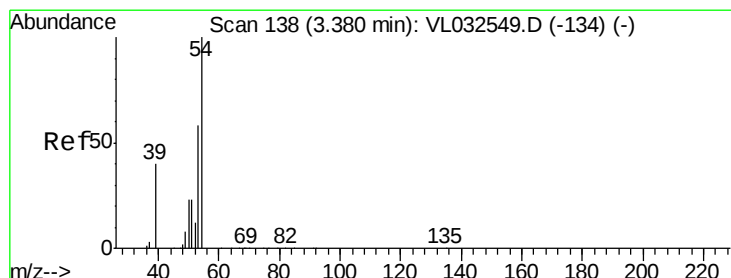
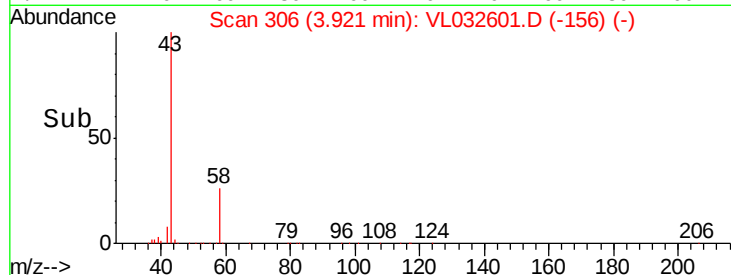
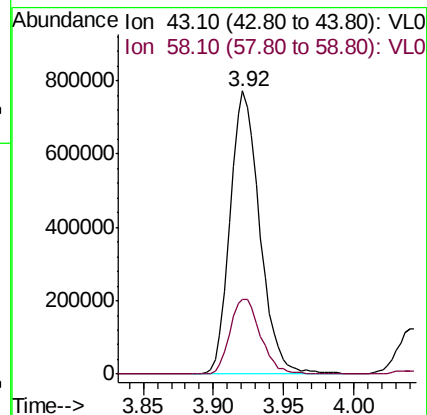
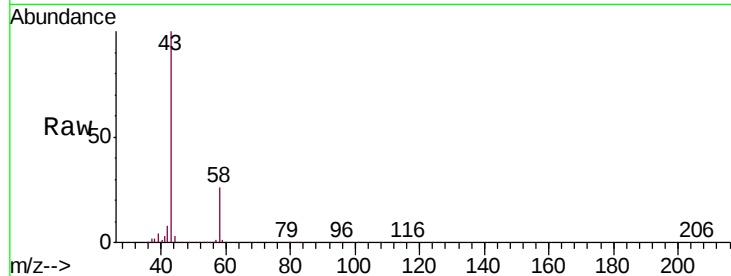
VL1011ABS01

Tgt Ion: 43 Resp: 1134096

Ion Ratio Lower Upper

43 100

58 27.5 22.6 33.8



#16

1,3-Butadiene

Concen: 9.700 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032601.D

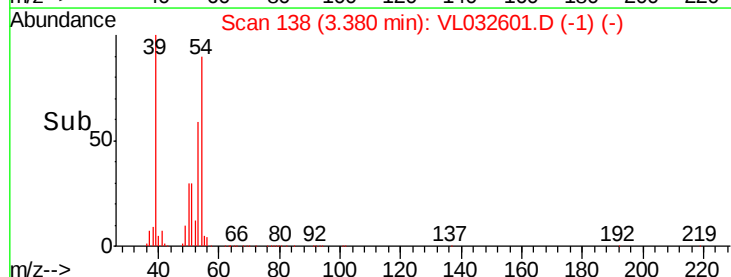
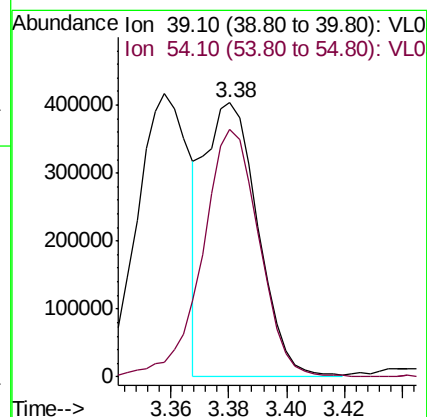
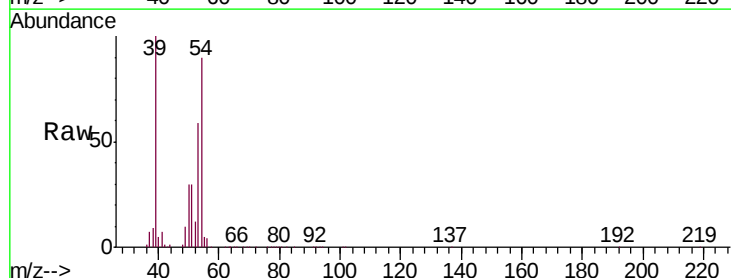
Acq: 11 Oct 2018 12:41

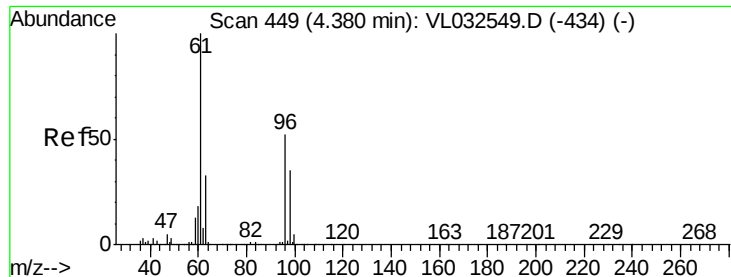
Tgt Ion: 39 Resp: 514612

Ion Ratio Lower Upper

39 100

54 96.6 80.8 121.2





#17

tert-Butyl alcohol

Concen: 9.330 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.03 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

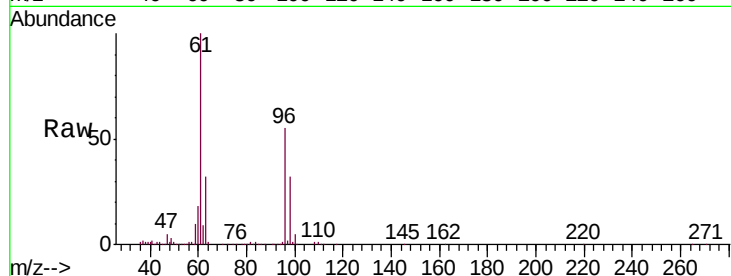
VL1011ABS01

Tgt Ion: 59 Resp: 153380

Ion Ratio Lower Upper

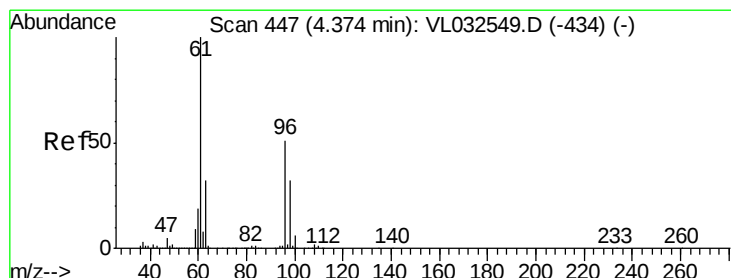
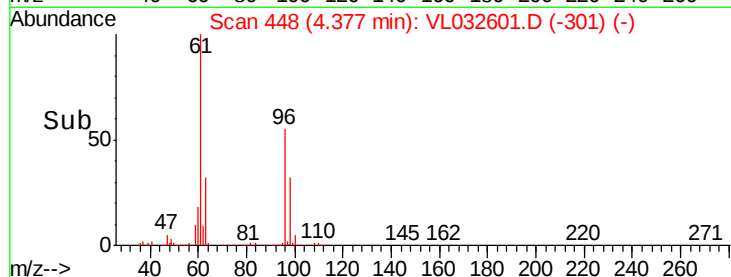
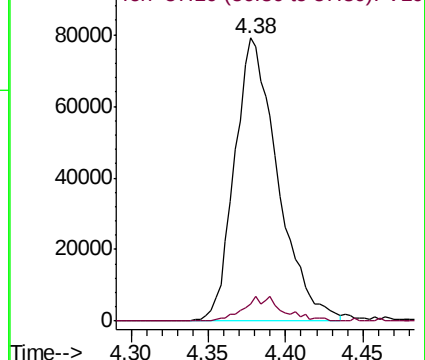
59 100

57 8.0 0.0 0.0#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.573 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

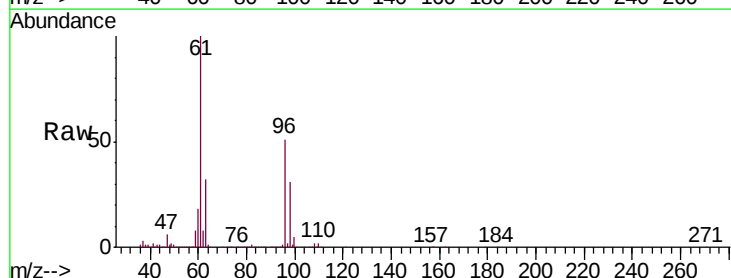
Tgt Ion: 96 Resp: 663278

Ion Ratio Lower Upper

96 100

61 195.0 159.2 238.8

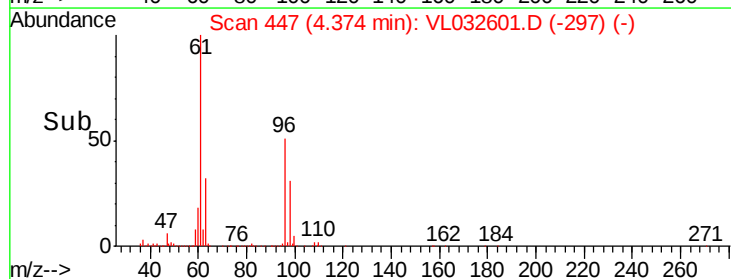
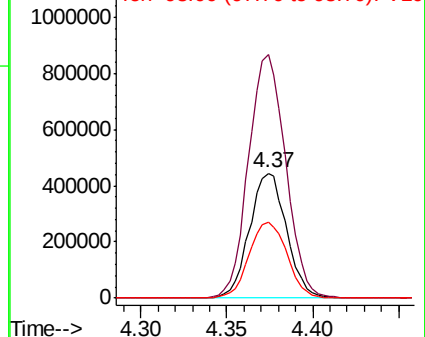
98 61.0 51.0 76.4

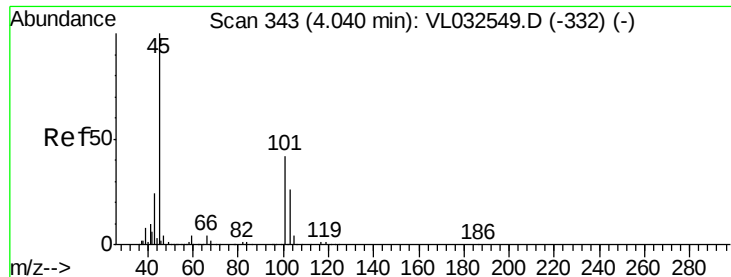


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

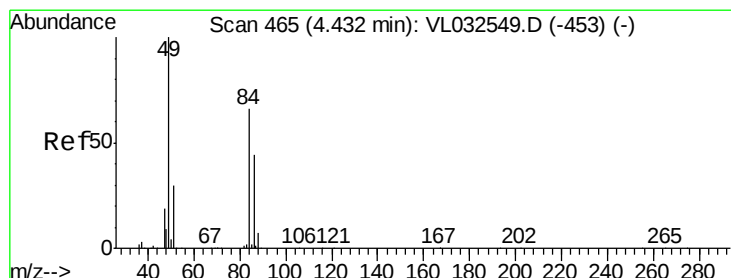
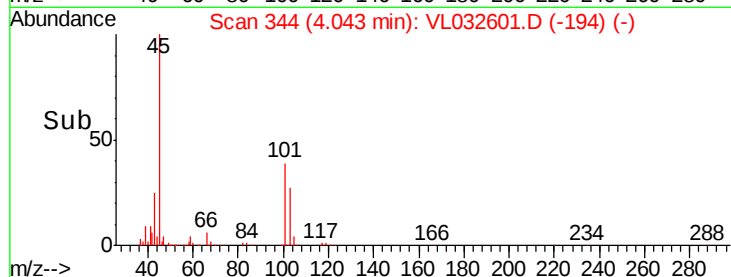
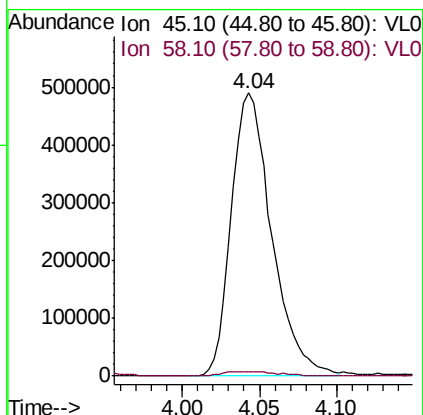
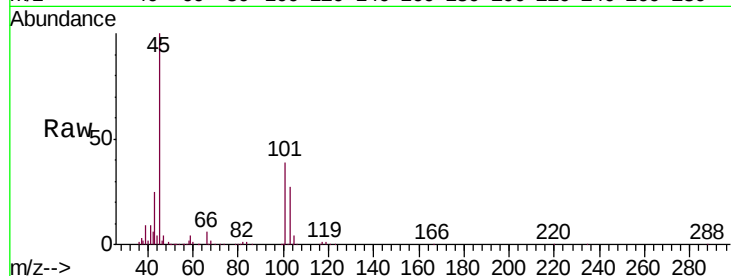




#19
Isopropyl Alcohol
Concen: 9.726 ppbv
RT: 4.04 min Scan# 344
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

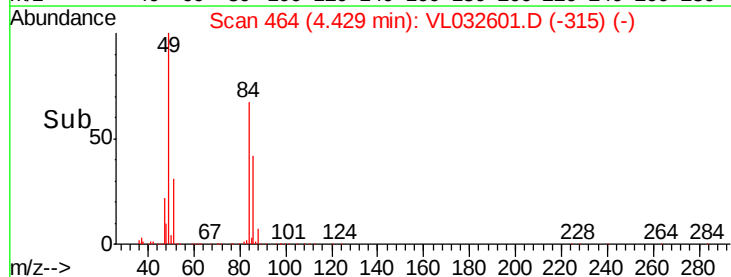
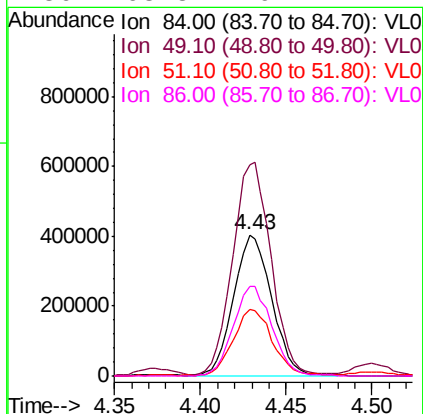
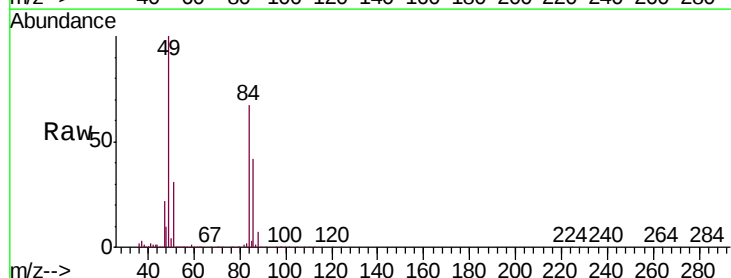
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

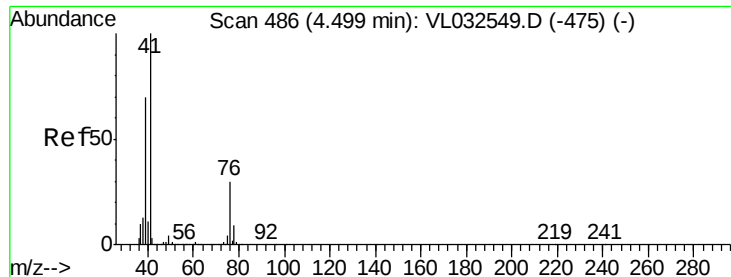
Tgt Ion: 45 Resp: 886333
Ion Ratio Lower Upper
45 100
58 2.1 2.0 3.0



#20
Methylene Chloride
Concen: 9.694 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 84 Resp: 614113
Ion Ratio Lower Upper
84 100
49 149.8 119.1 178.7
51 46.7 35.2 52.8
86 63.8 49.4 74.2





#21

Allyl Chloride

Concen: 10.631 ppbv

RT: 4.50 min Scan# 486

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

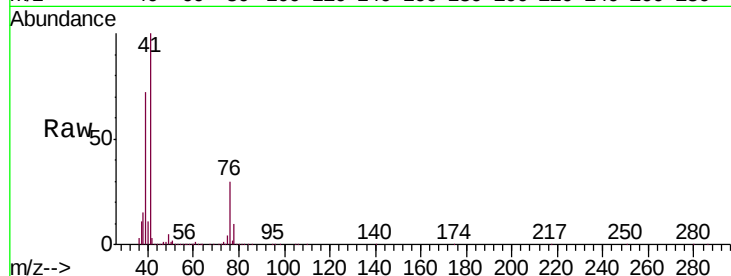
Tgt Ion: 41 Resp: 1136702

Ion Ratio Lower Upper

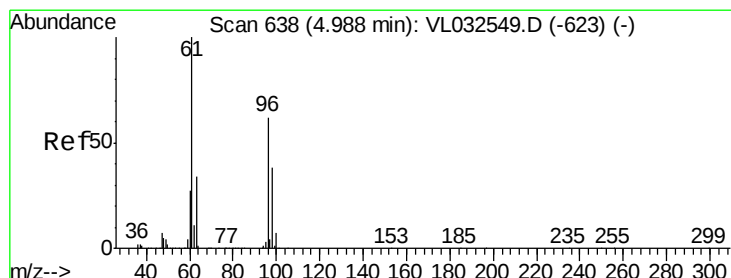
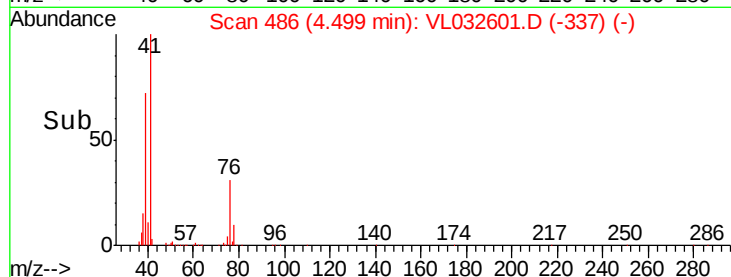
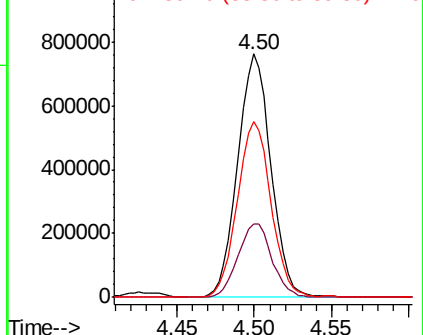
41 100

76 31.2 23.6 35.4

39 73.2 57.7 86.5



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: 11.229 ppbv

RT: 4.99 min Scan# 638

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

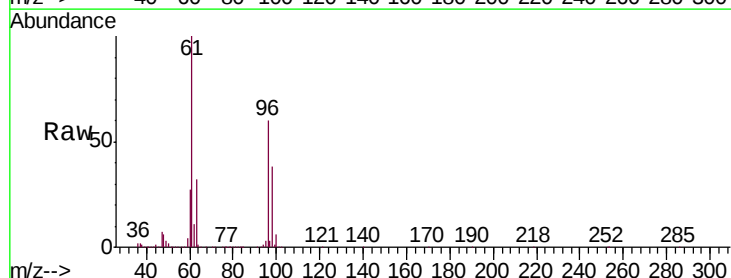
Tgt Ion: 96 Resp: 663909

Ion Ratio Lower Upper

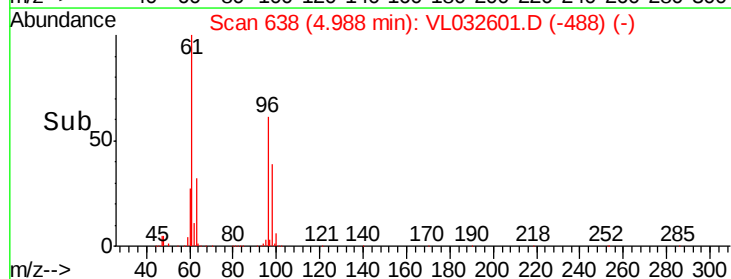
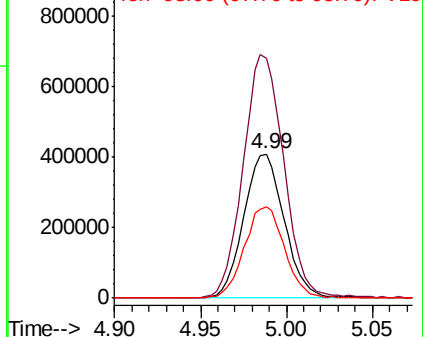
96 100

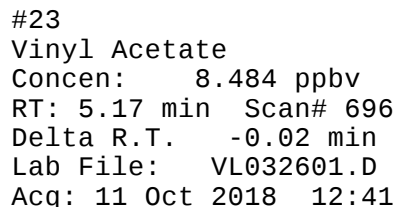
61 166.0 136.2 204.4

98 63.7 50.4 75.6

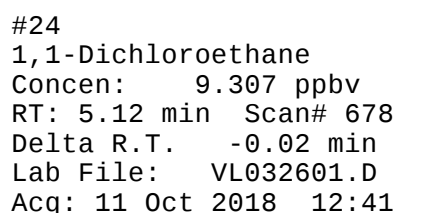
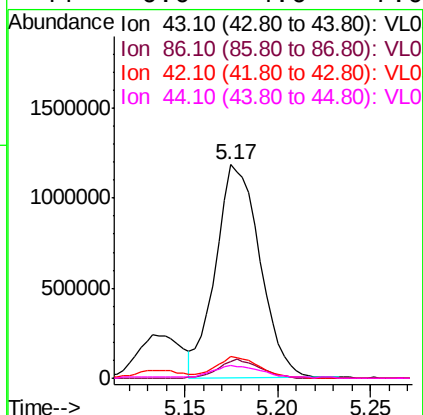
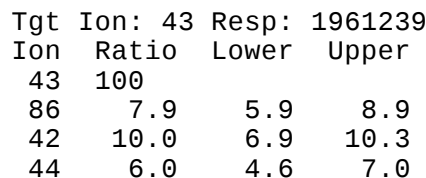


Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0

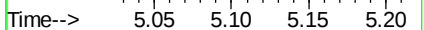
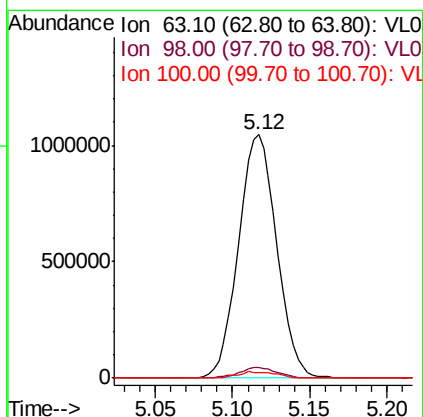


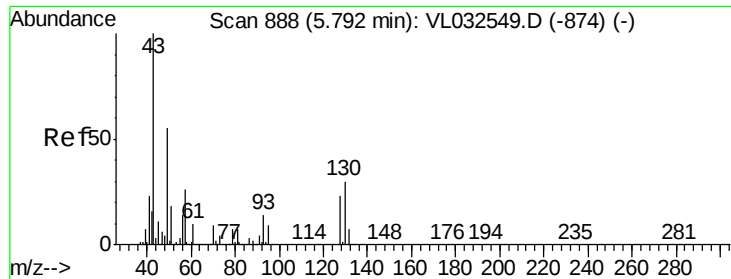


Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01



Tgt	Ion: 63	Resp: 1791726
Ion	Ratio	Lower Upper
63	100	
98	4.3	2.1 6.5
100	2.4	1.5 4.4





#25

Ethyl Acetate

Concen: 8.991 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

Tgt Ion: 43 Resp: 2854019

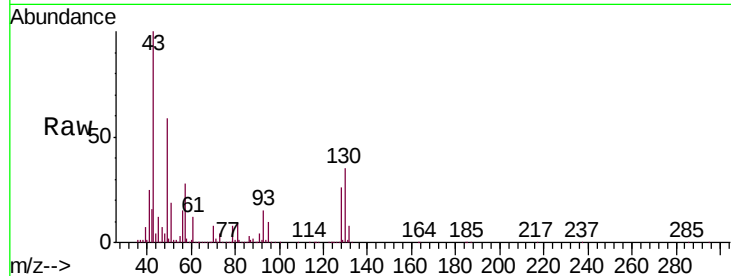
Ion Ratio Lower Upper

43 100

45 10.4 8.0 12.0

61 9.6 7.6 11.4

70 7.4 5.8 8.8



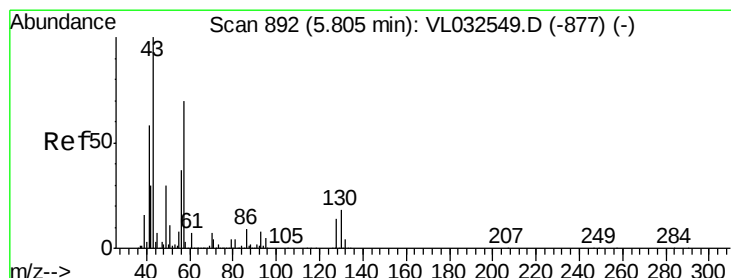
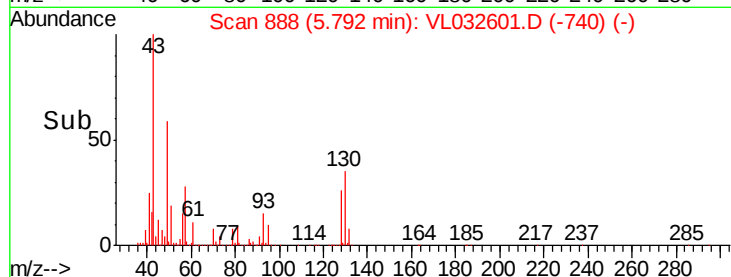
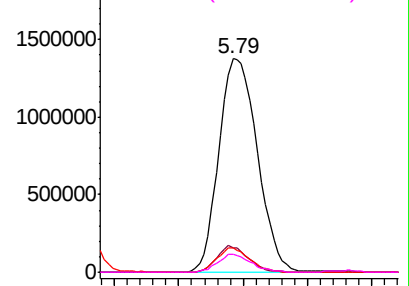
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.300 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Tgt Ion: 57 Resp: 1333459

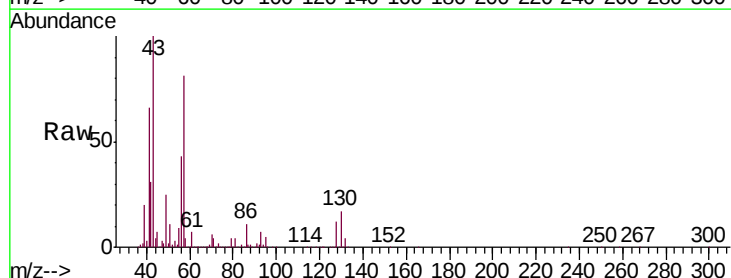
Ion Ratio Lower Upper

57 100

41 86.8 69.0 103.4

43 215.1 172.1 258.1

56 53.5 42.2 63.2



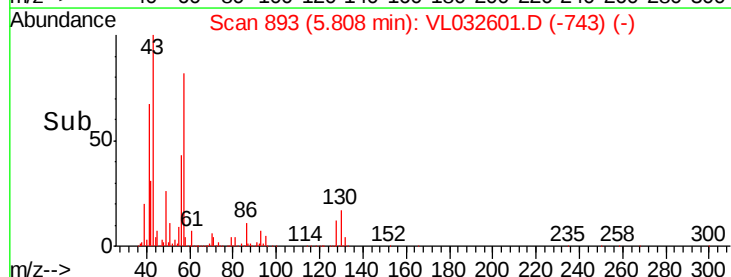
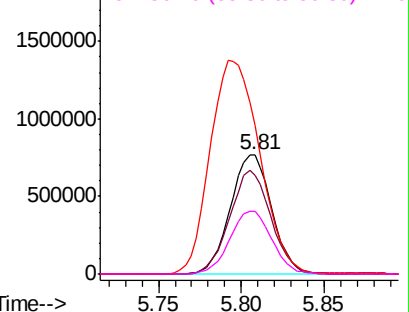
Abundance

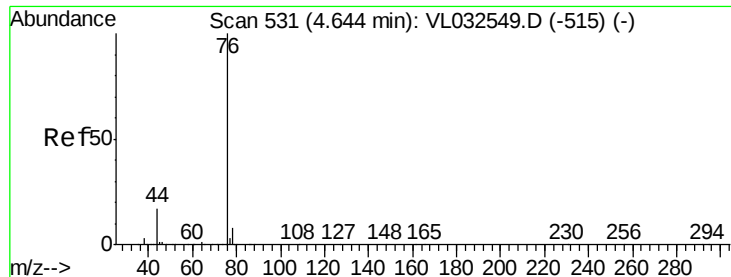
Ion 57.10 (56.80 to 57.80): VL0

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: 10.050 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

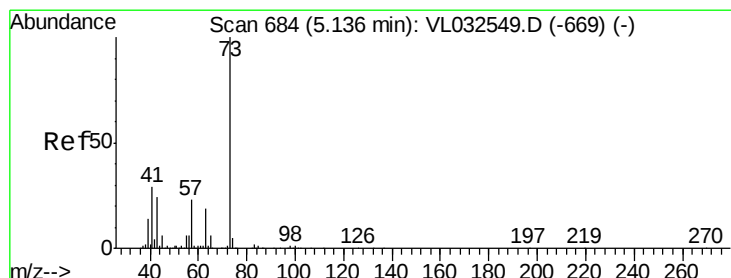
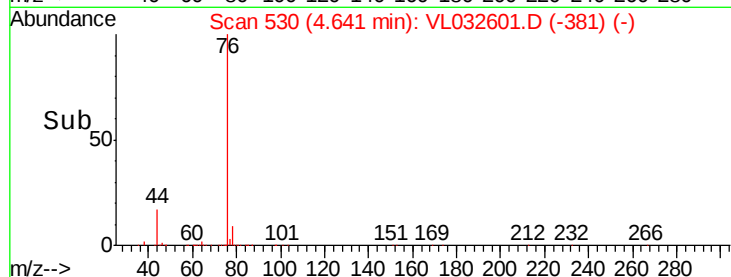
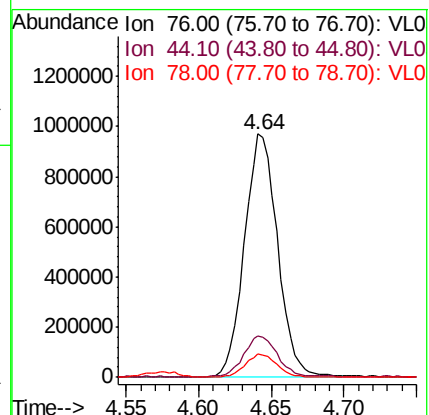
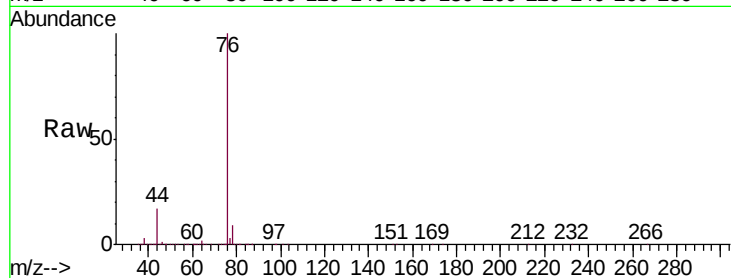
Tgt Ion: 76 Resp: 1549260

Ion Ratio Lower Upper

76 100

44 16.9 14.0 21.0

78 9.2 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 10.074 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL032601.D

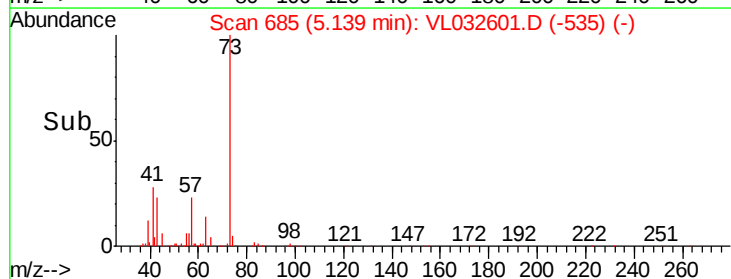
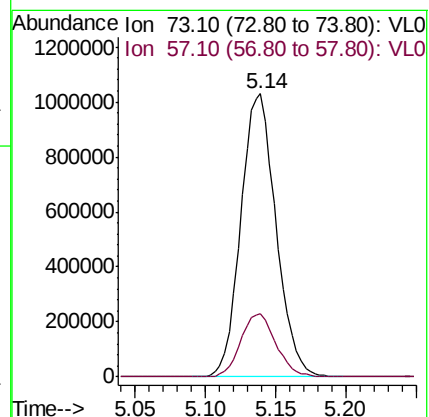
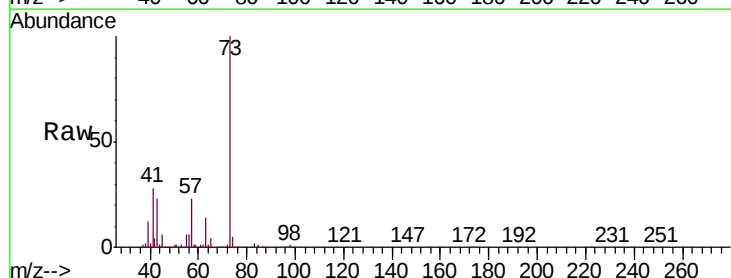
Acq: 11 Oct 2018 12:41

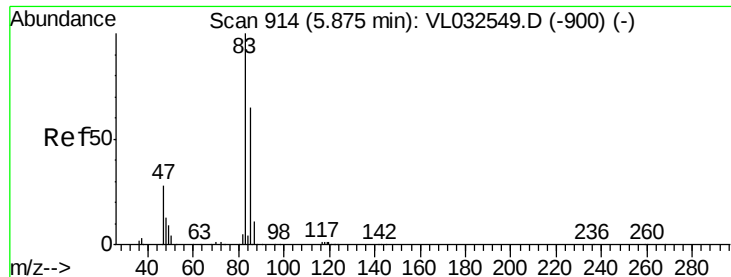
Tgt Ion: 73 Resp: 1799422

Ion Ratio Lower Upper

73 100

57 22.6 19.3 28.9

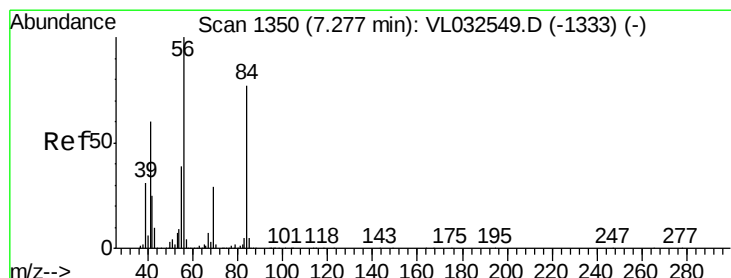
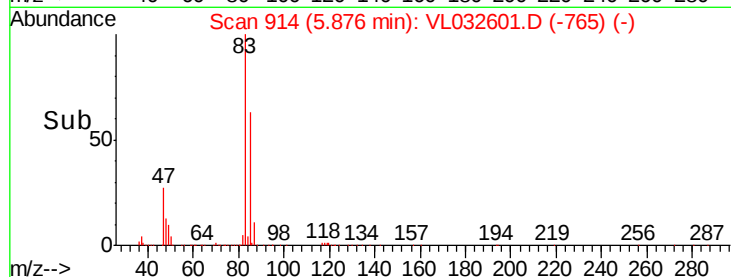
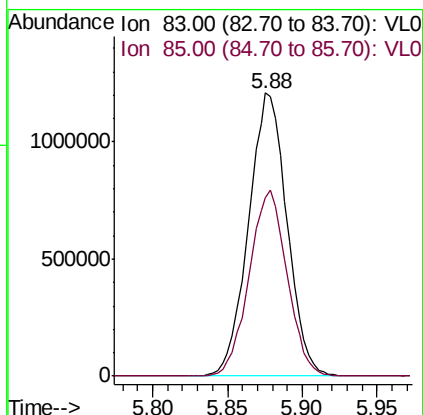
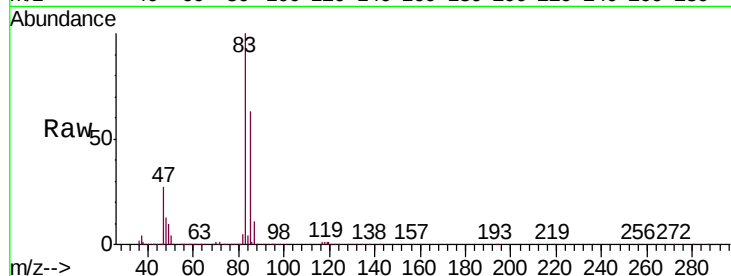




#29
Chloroform
Concen: 9.805 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

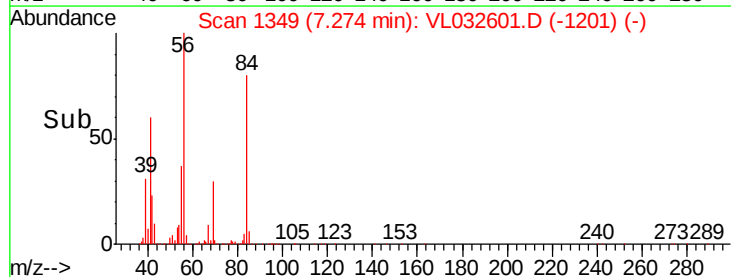
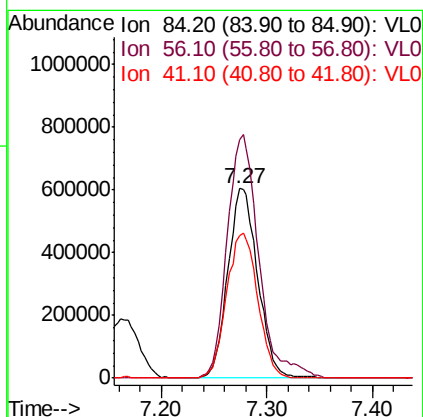
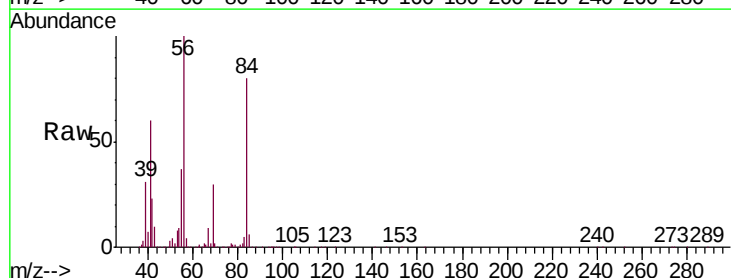
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

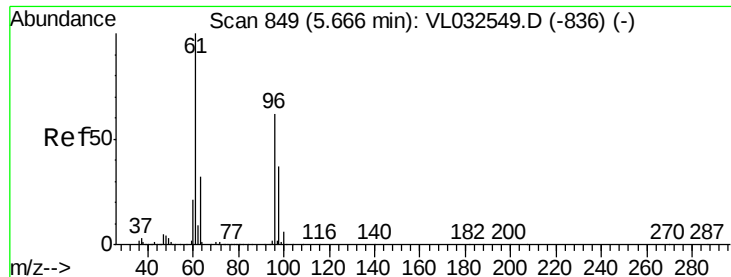
Tgt Ion: 83 Resp: 2157163
Ion Ratio Lower Upper
83 100
85 63.1 52.5 78.7



#30
Cyclohexane
Concen: 10.143 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 84 Resp: 1184242
Ion Ratio Lower Upper
84 100
56 136.2 113.5 170.3
41 79.6 68.1 102.1



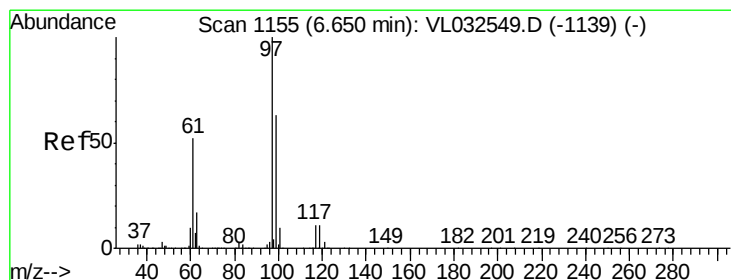
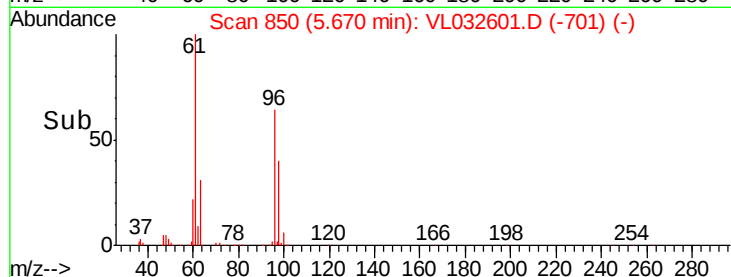
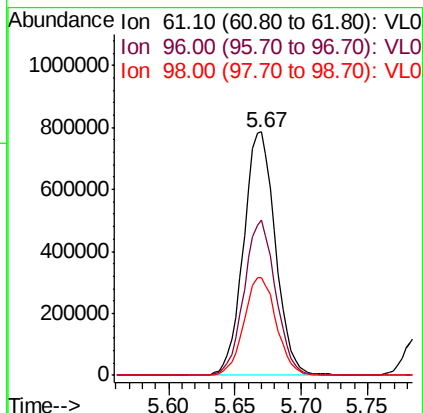
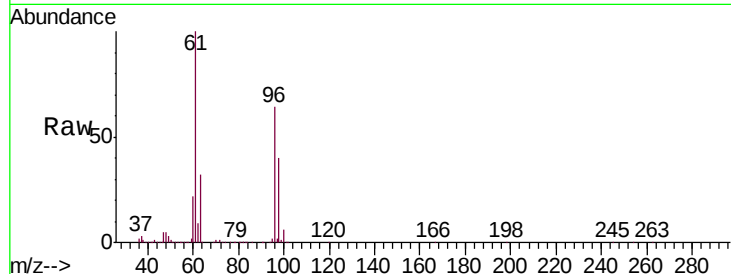


#31

cis-1,2-Dichloroethene
 Concen: 9.594 ppbv
 RT: 5.67 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

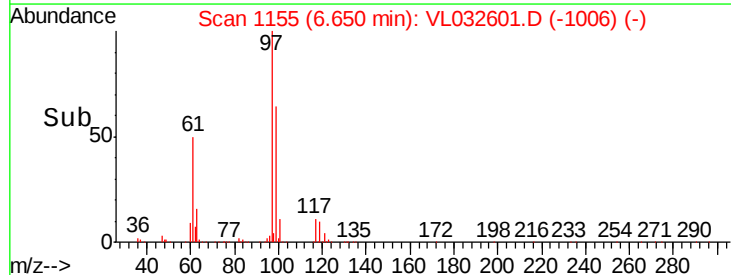
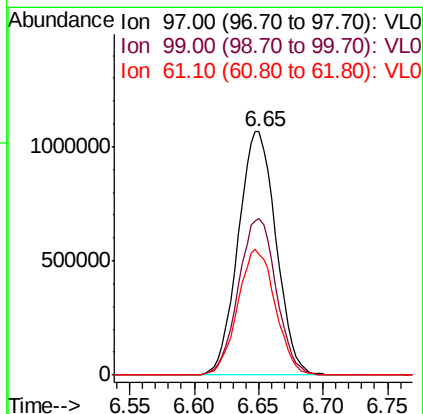
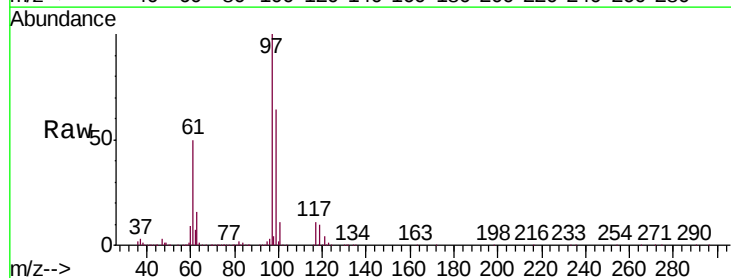
Tgt Ion: 61 Resp: 1310162
 Ion Ratio Lower Upper
 61 100
 96 64.0 49.2 73.8
 98 40.0 30.7 46.1

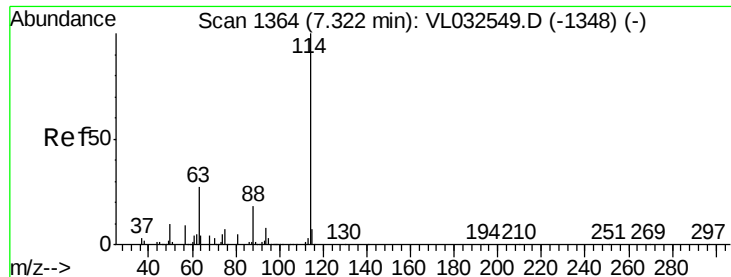


#32

1,1,1-Trichloroethane
 Concen: 9.306 ppbv
 RT: 6.65 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 97 Resp: 2181963
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.1 78.1
 61 51.4 42.5 63.7

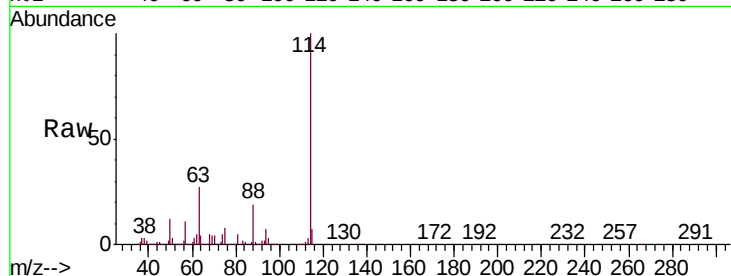




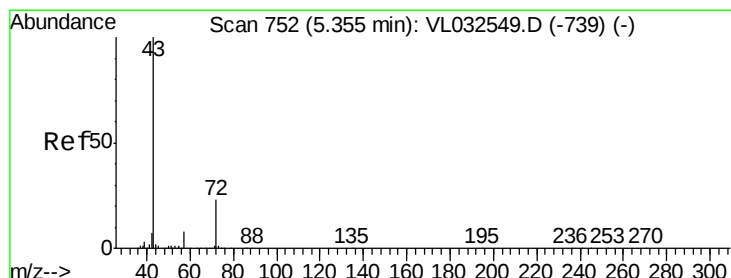
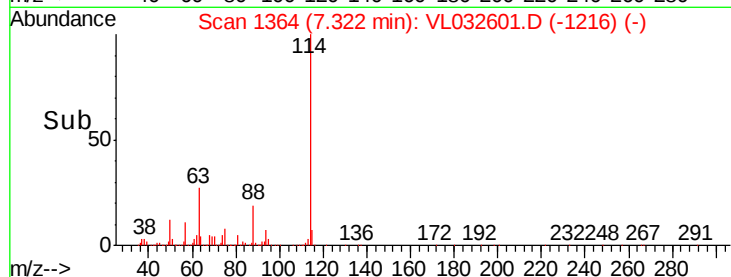
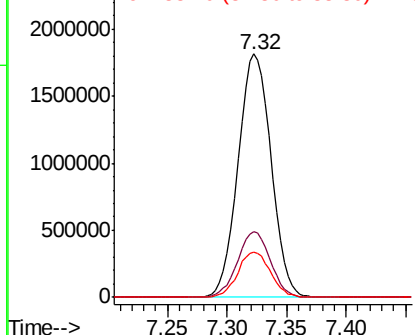
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

Tgt Ion:114 Resp: 3496730
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.2 33.4
 88 18.4 15.0 22.4

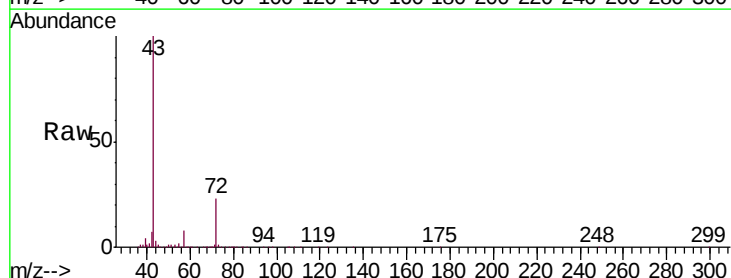


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

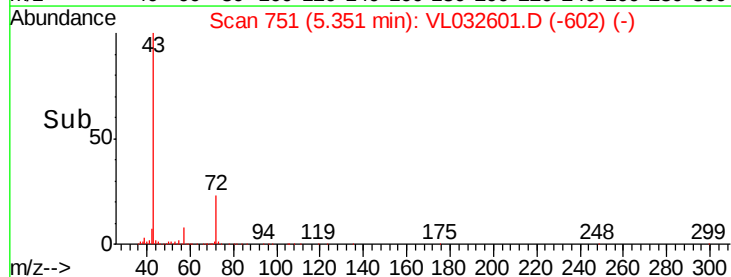
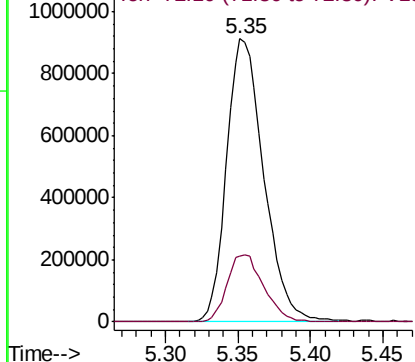


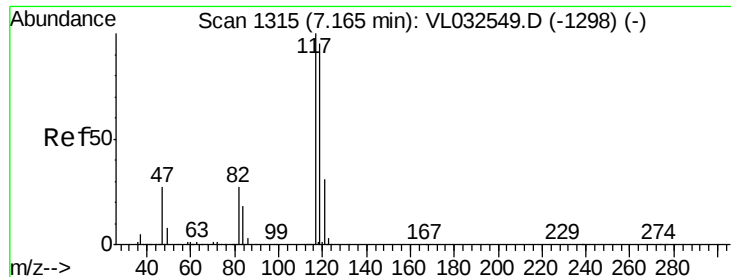
#34
 2-Butanone
 Concen: 7.764 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 43 Resp: 1616759
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.8 26.6



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

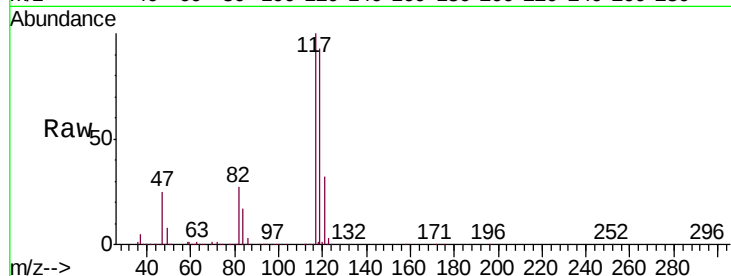




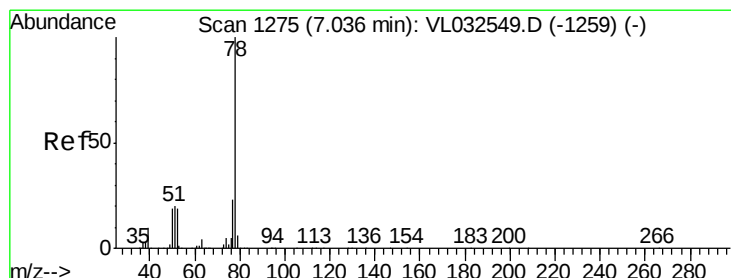
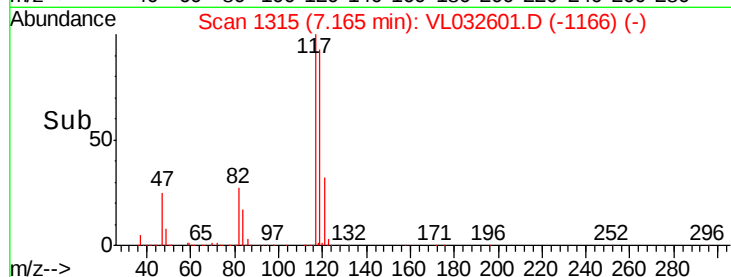
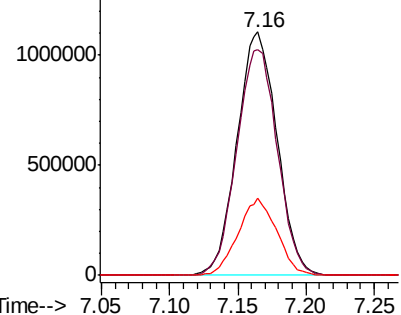
#35
Carbon Tetrachloride
Concen: 9.255 ppbv
RT: 7.16 min Scan# 1315
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

Tgt Ion: 117 Resp: 2248863
Ion Ratio Lower Upper
117 100
119 92.8 76.6 115.0
121 31.7 24.6 36.8

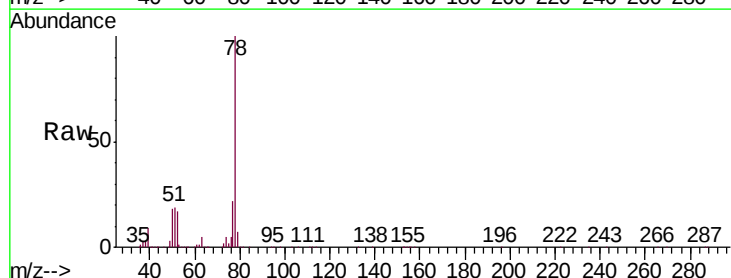


Abundance Ion 117.00 (116.70 to 117.70): V
1500000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

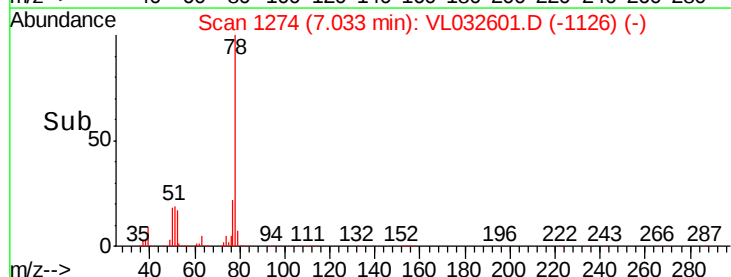
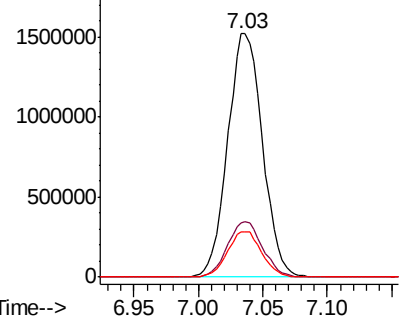


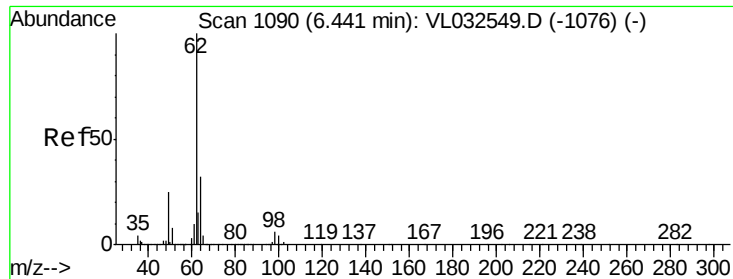
#36
Benzene
Concen: 10.142 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 78 Resp: 2865951
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6
50 18.5 14.4 21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

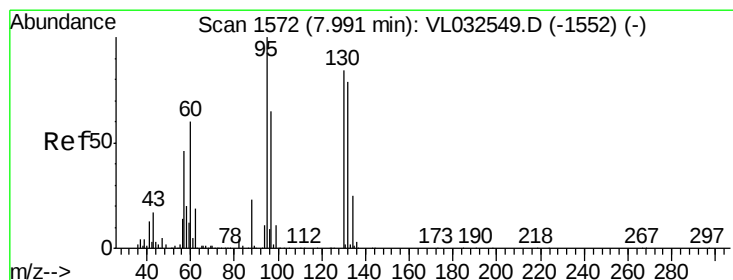
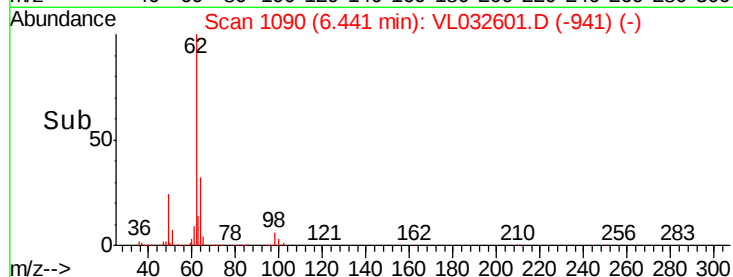
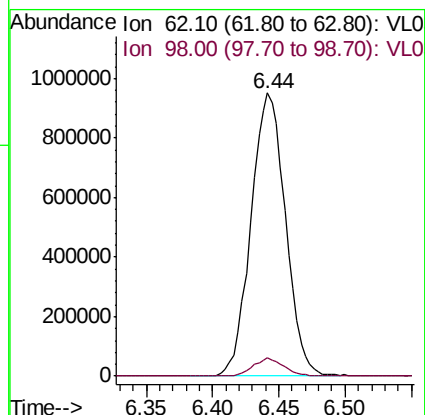
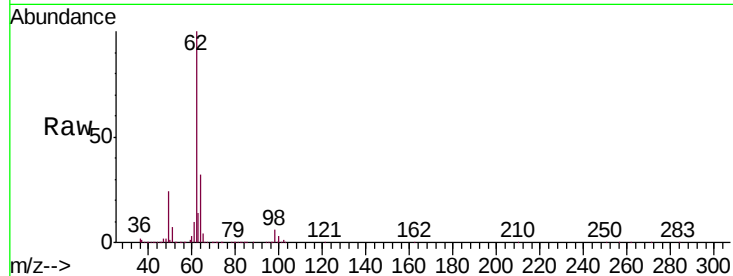




#37
 1,2-Dichloroethane
 Concen: 10.115 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

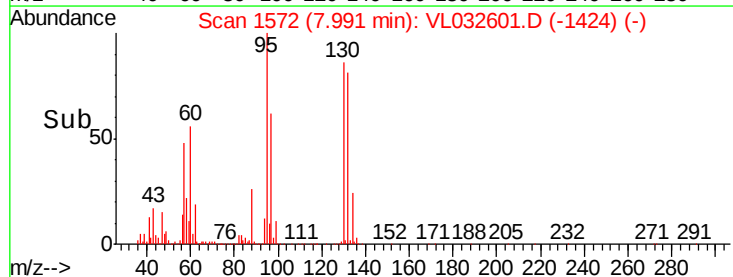
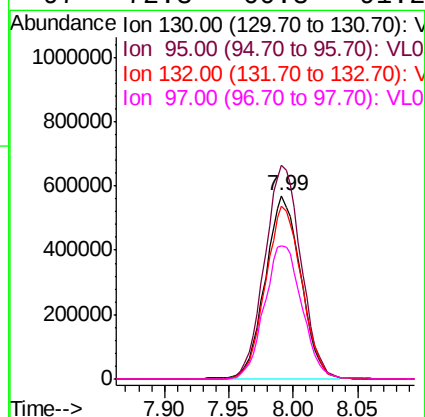
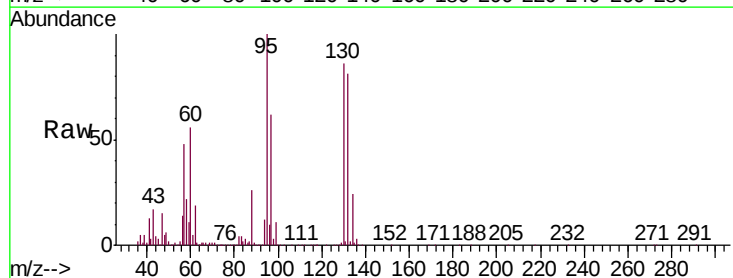
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

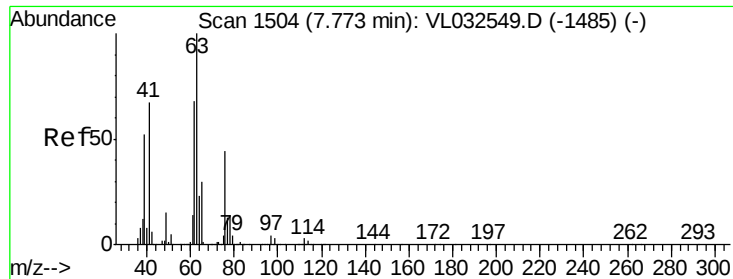
Tgt Ion: 62 Resp: 1722642
 Ion Ratio Lower Upper
 62 100
 98 5.7 5.0 7.6



#38
 Trichloroethene
 Concen: 10.095 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 130 Resp: 1091938
 Ion Ratio Lower Upper
 130 100
 95 116.4 94.2 141.4
 132 93.8 76.2 114.4
 97 72.3 60.8 91.2



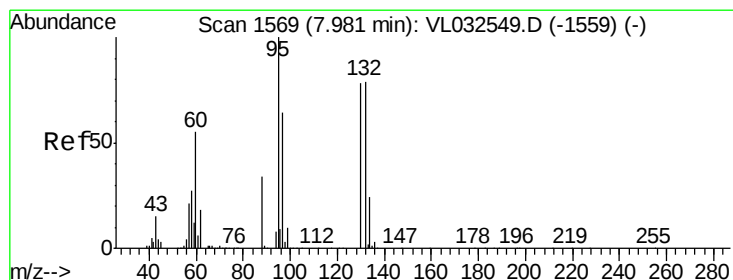
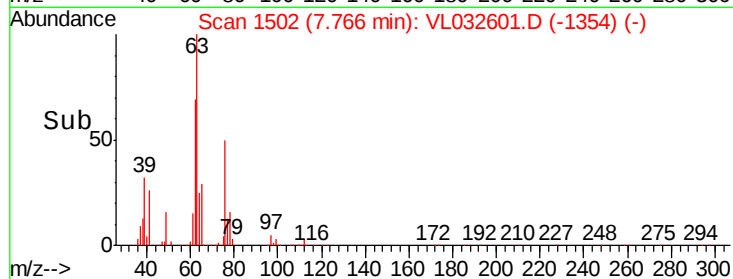
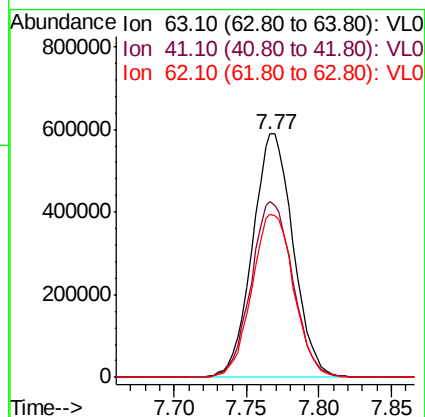
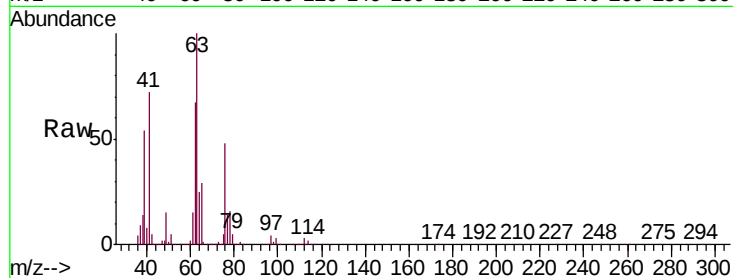


#39
 1,2-Dichloropropane
 Concen: 9.035 ppbv
 RT: 7.77 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

Tgt Ion: 63 Resp: 1150619

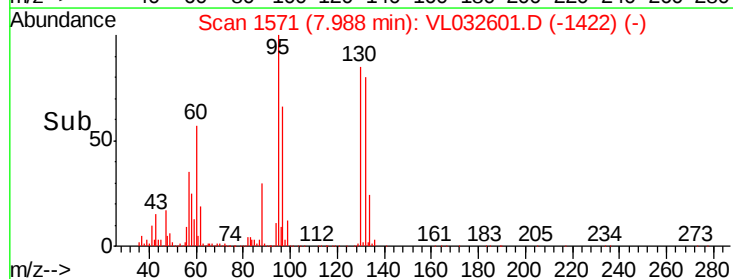
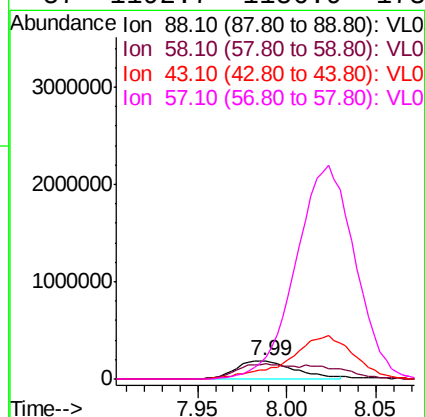
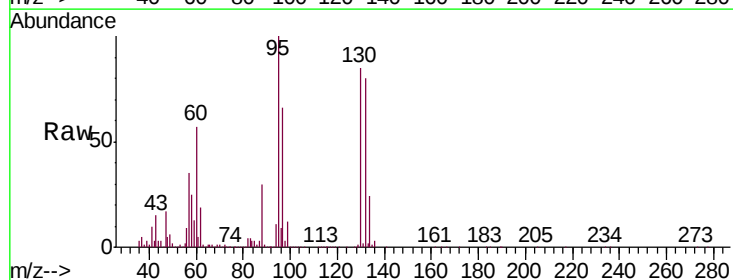
Ion	Ratio	Lower	Upper
63	100		
41	72.2	55.4	83.0
62	66.9	55.4	83.0

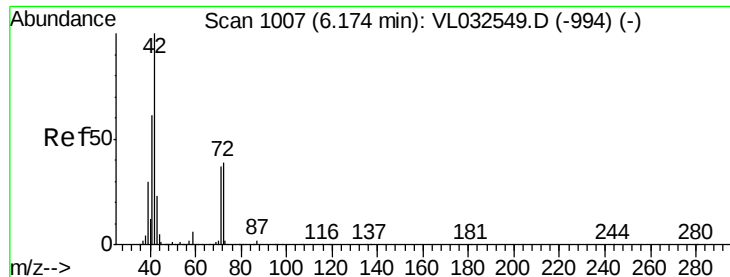


#40
 1,4-Dioxane
 Concen: 10.910 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 88 Resp: 425999

Ion	Ratio	Lower	Upper
88	100		
58	137.0	119.7	179.5
43	262.7	253.0	379.4
57	1192.7	1156.9	1735.3

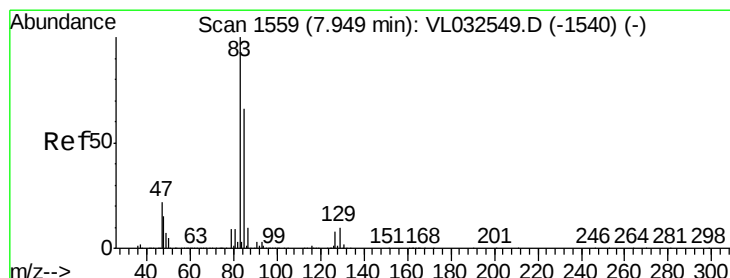
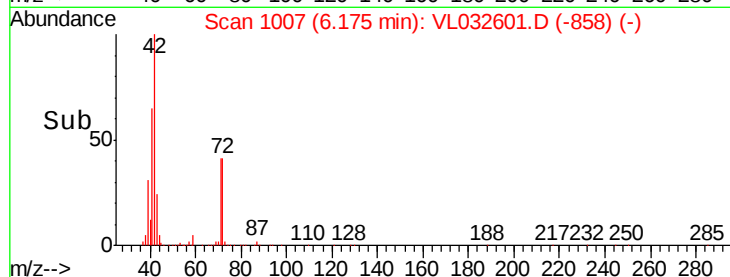
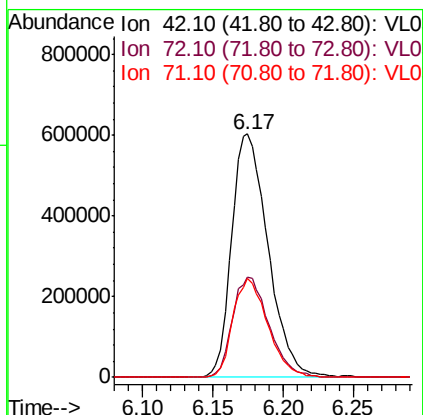
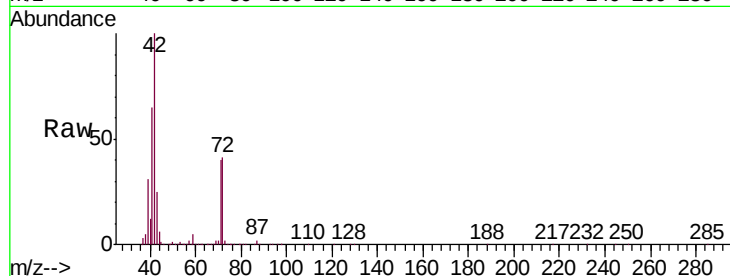




#41
Tetrahydrofuran
Concen: 9.647 ppbv
RT: 6.17 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

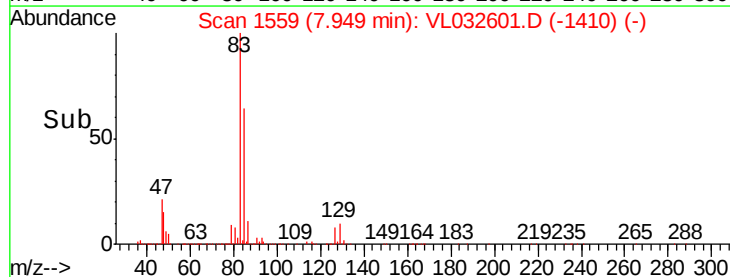
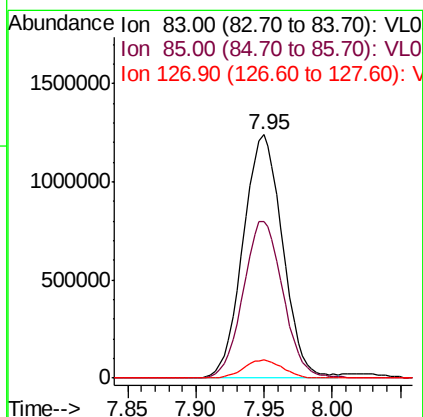
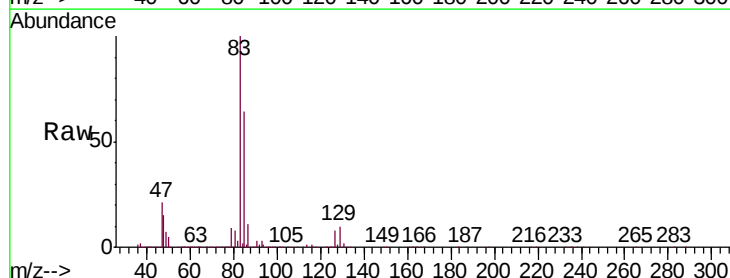
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

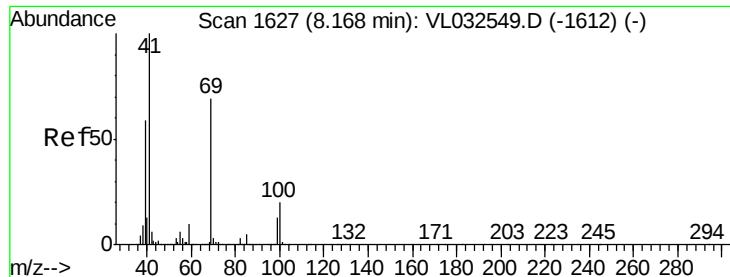
Tgt Ion: 42 Resp: 1091404
Ion Ratio Lower Upper
42 100
72 41.1 29.5 44.3
71 39.2 28.3 42.5



#42
Bromodichloromethane
Concen: 9.786 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 83 Resp: 2496849
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 7.6 5.8 8.8

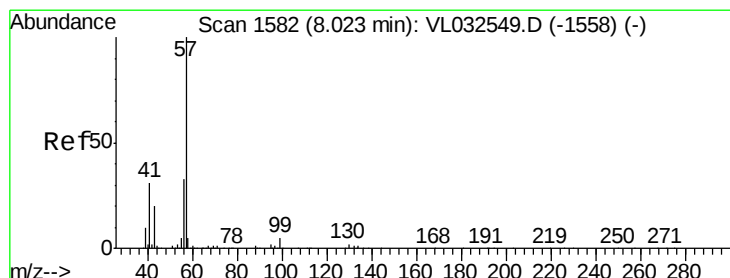
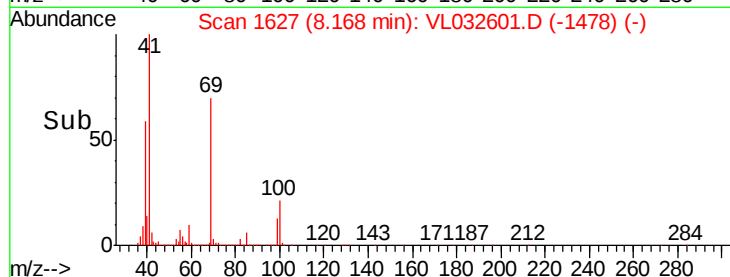
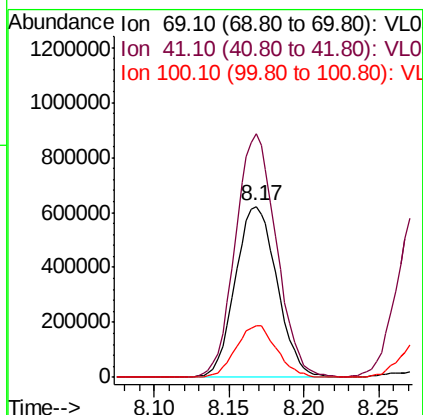
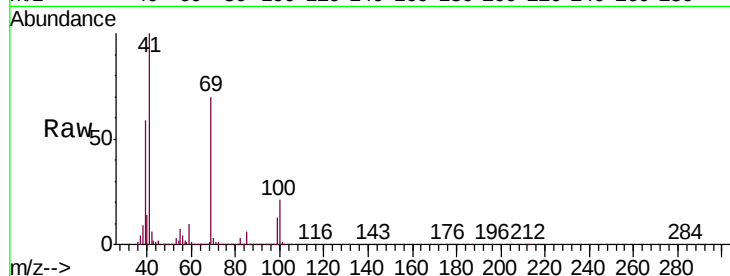




#43
Methyl Methacrylate
Concen: 10.212 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

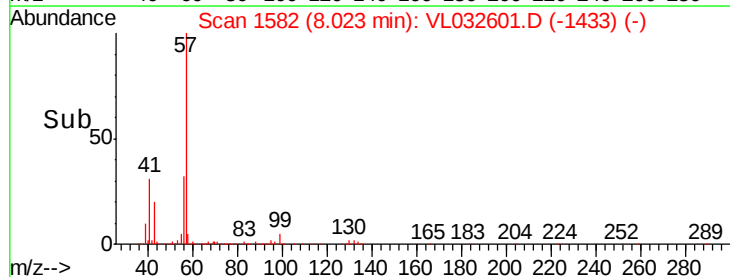
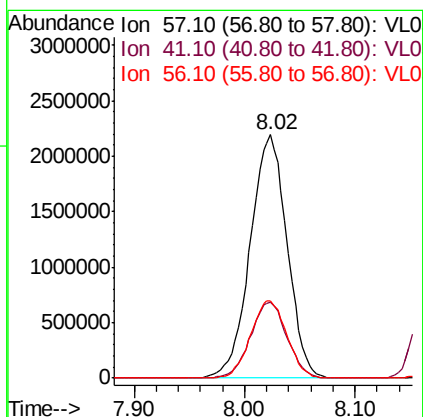
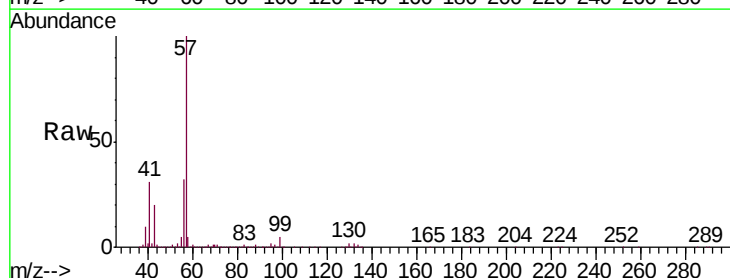
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

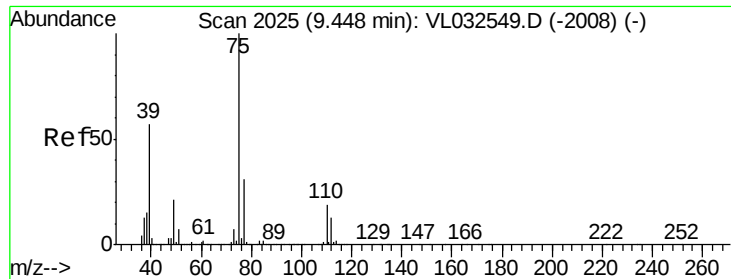
Tgt Ion: 69 Resp: 1205545
Ion Ratio Lower Upper
69 100
41 140.0 117.1 175.7
100 29.9 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.185 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 57 Resp: 5072707
Ion Ratio Lower Upper
57 100
41 30.9 24.4 36.6
56 31.5 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 10.277 ppbv

RT: 9.45 min Scan# 2025

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

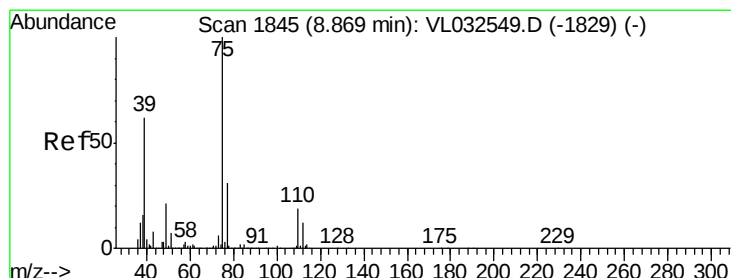
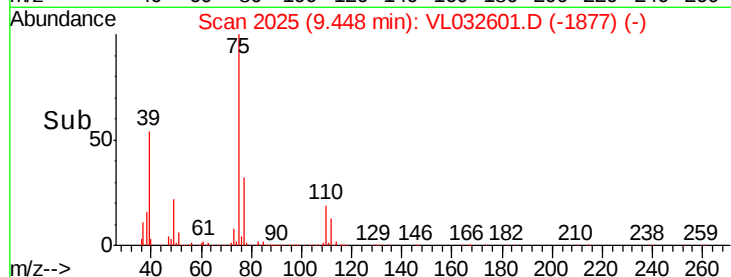
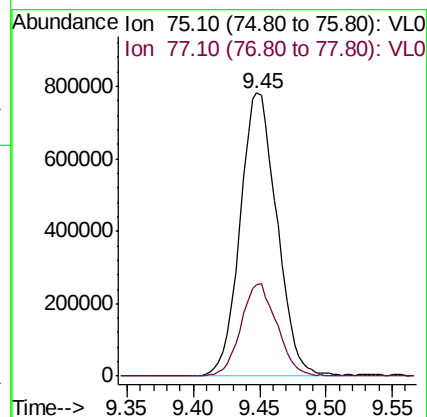
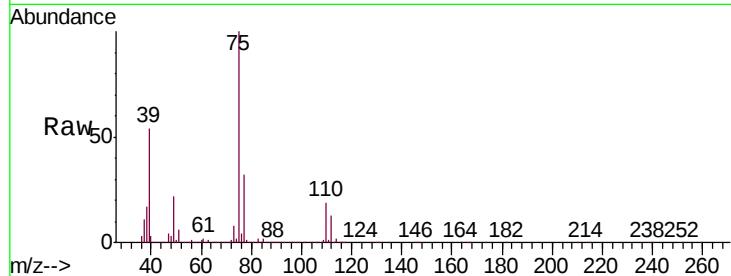
VL1011ABS01

Tgt Ion: 75 Resp: 1509171

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 10.486 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

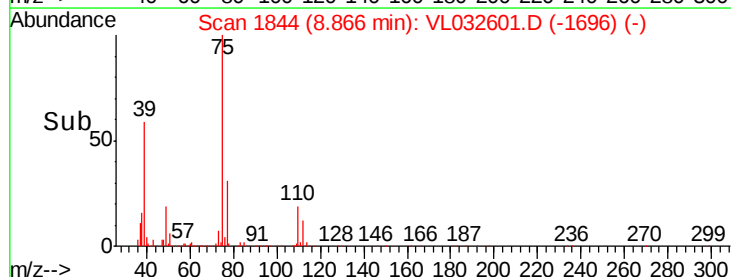
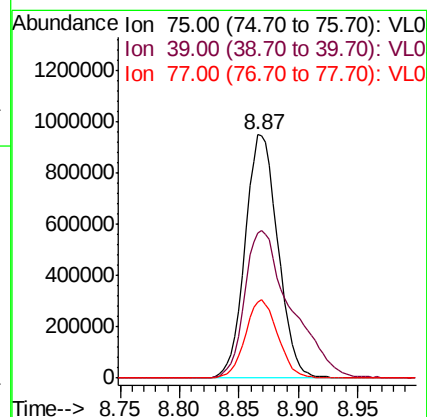
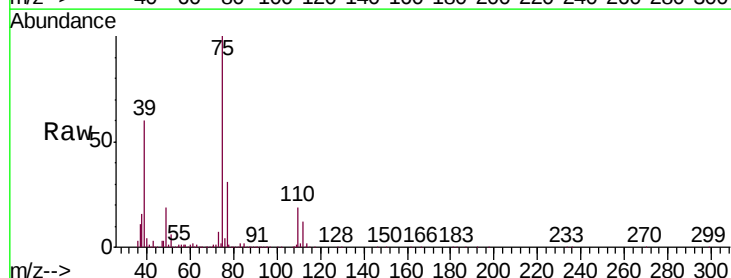
Tgt Ion: 75 Resp: 1806062

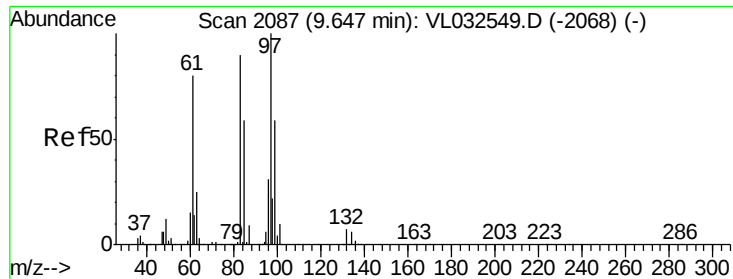
Ion Ratio Lower Upper

75 100

39 59.6 48.9 73.3

77 31.4 25.4 38.0

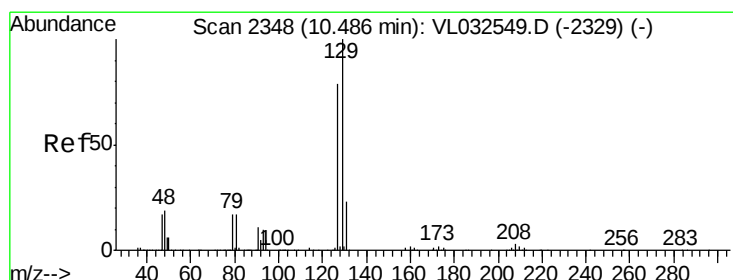
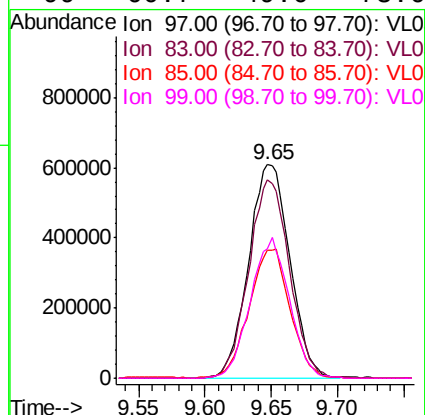
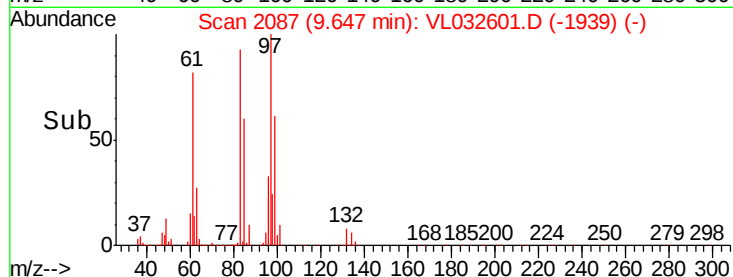
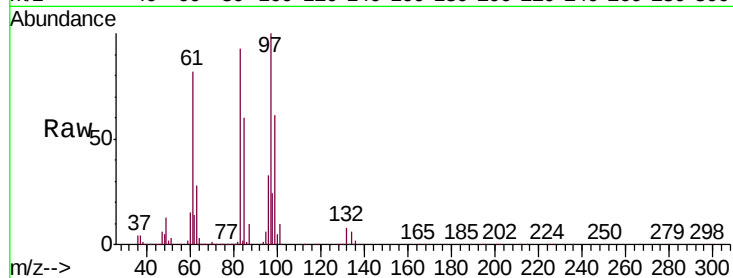




#47
 1,1,2-Trichloroethane
 Concen: 9.311 ppbv
 RT: 9.65 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

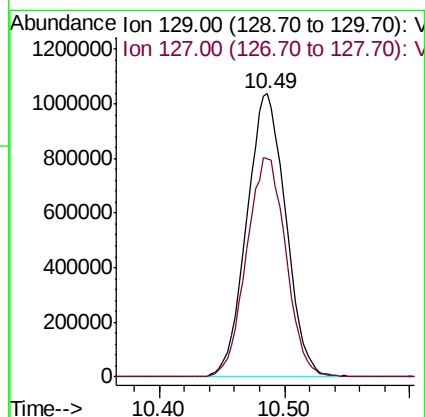
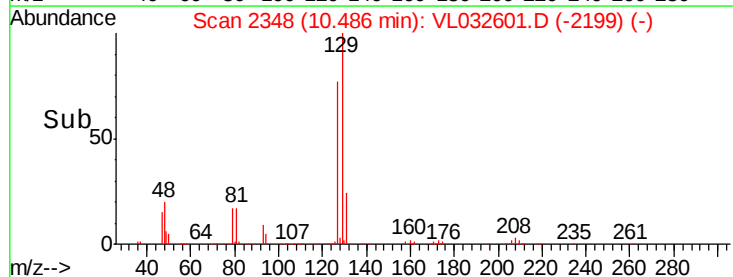
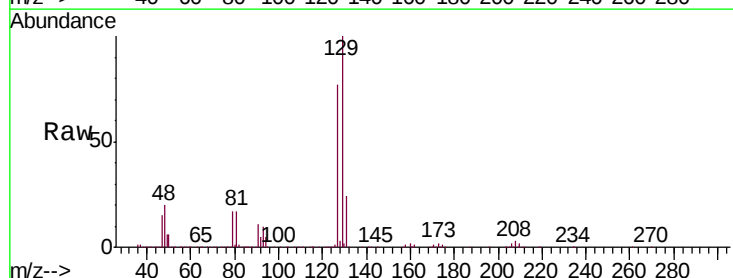
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

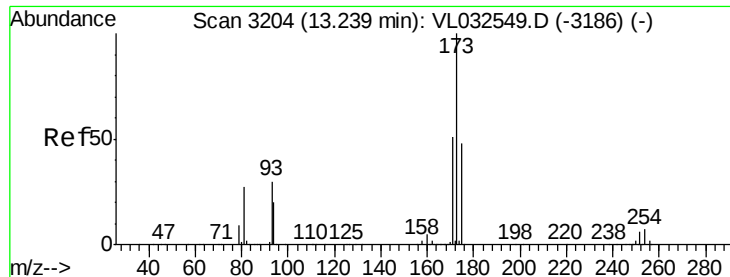
Tgt Ion: 97 Resp: 1316933
 Ion Ratio Lower Upper
 97 100
 83 92.8 75.0 112.4
 85 59.6 47.5 71.3
 99 60.7 49.0 73.6



#48
 Dibromochloromethane
 Concen: 10.079 ppbv
 RT: 10.49 min Scan# 2348
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 129 Resp: 2241674
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.5 118.3





#49

Bromoform

Concen: 10.394 ppbv

RT: 13.24 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

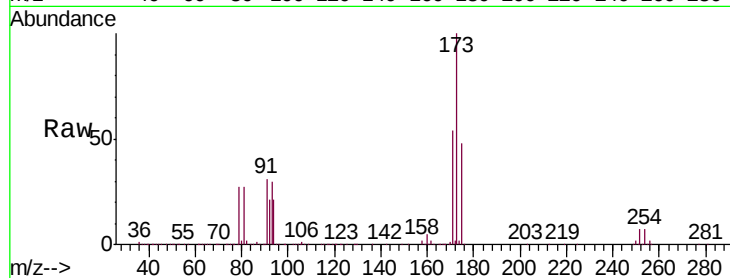
Tgt Ion:173 Resp: 1766291

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

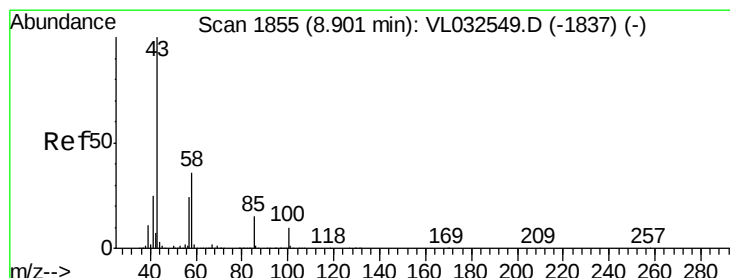
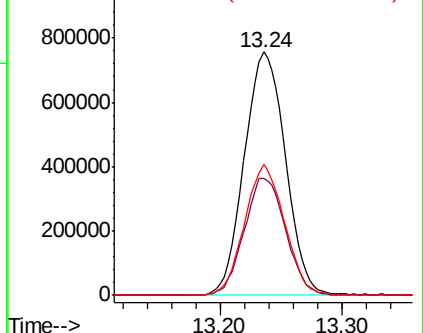
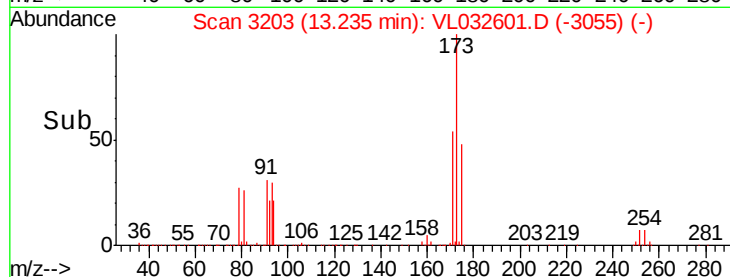
171 52.2 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.100 ppbv

RT: 8.90 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL032601.D

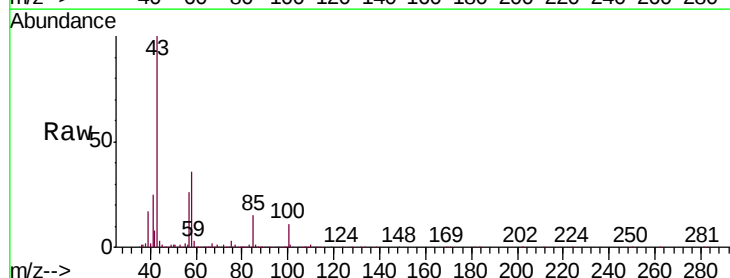
Acq: 11 Oct 2018 12:41

Tgt Ion: 43 Resp: 2978471

Ion Ratio Lower Upper

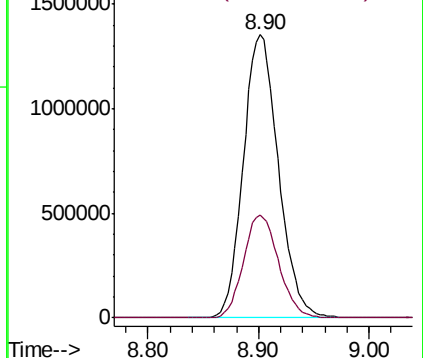
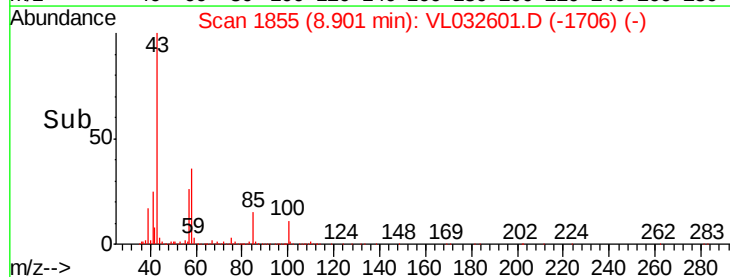
43 100

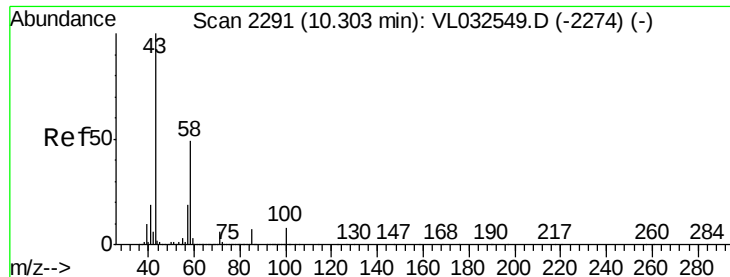
58 36.5 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

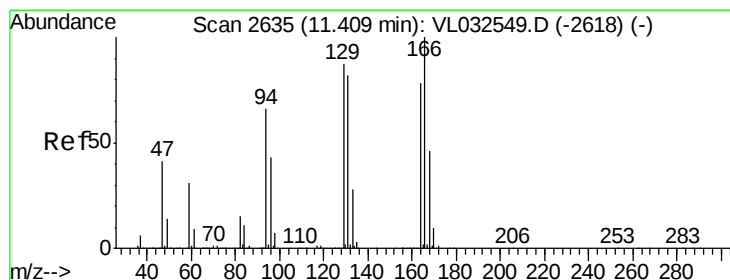
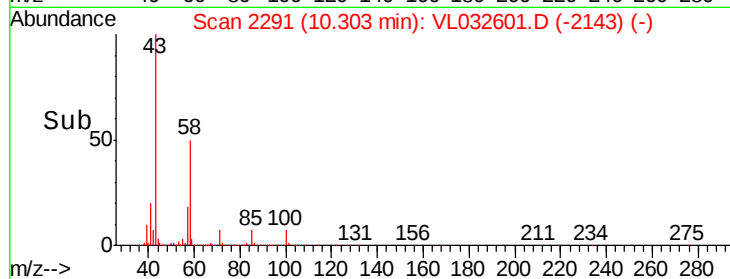
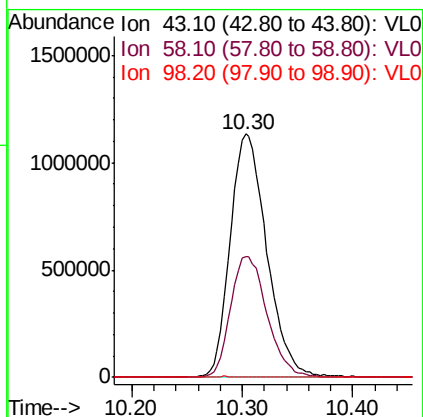
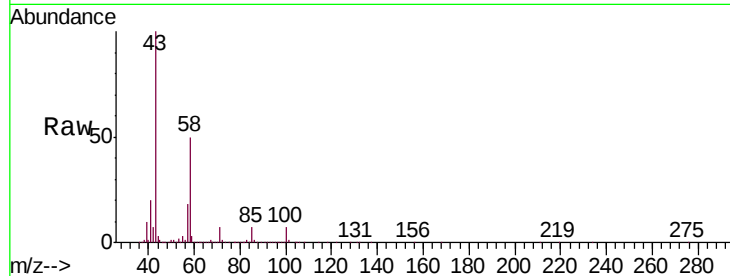




#51
2-Hexanone
Concen: 9.613 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

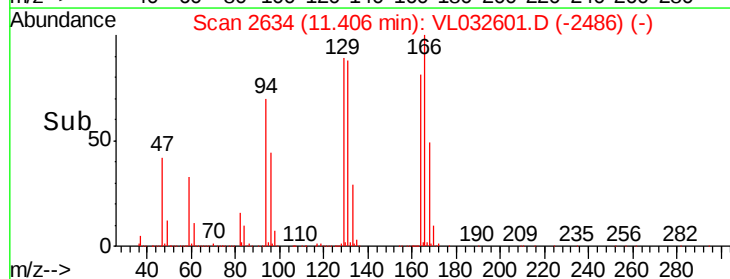
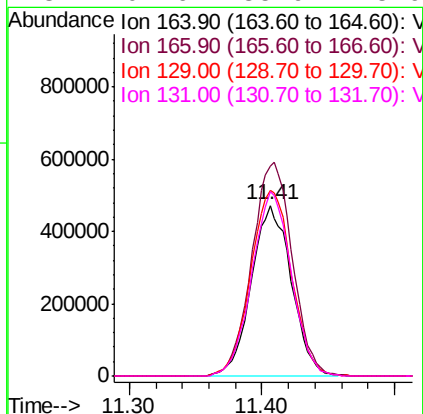
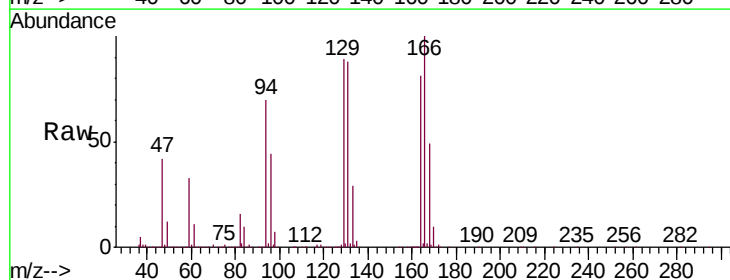
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

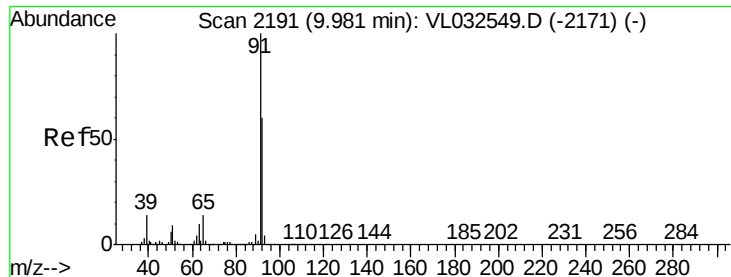
Tgt Ion: 43 Resp: 2602142
Ion Ratio Lower Upper
43 100
58 49.8 39.2 58.8
98 0.6 0.4 0.6



#52
Tetrachloroethene
Concen: 10.045 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 164 Resp: 988321
Ion Ratio Lower Upper
164 100
166 122.8 100.6 150.8
129 109.0 89.9 134.9
131 107.6 85.9 128.9





#53

Toluene

Concen: 10.536 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

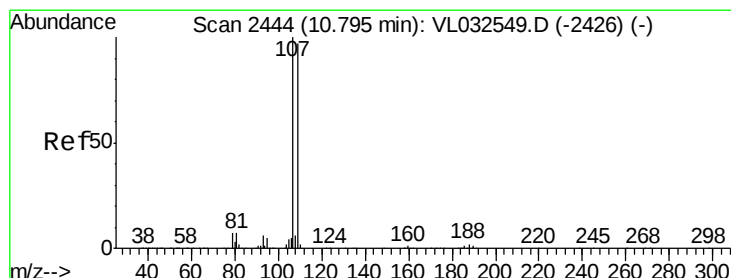
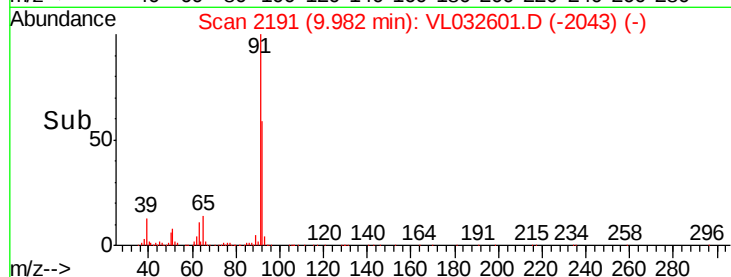
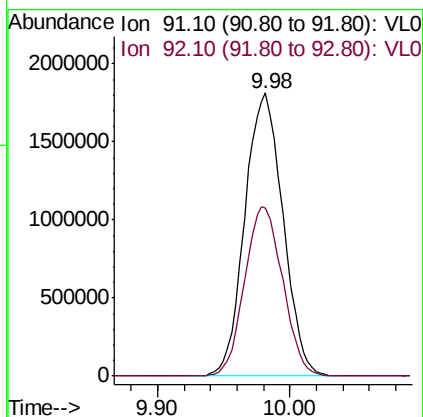
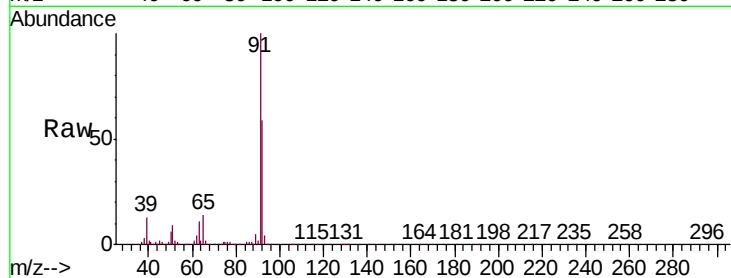
VL1011ABS01

Tgt Ion: 91 Resp: 3628397

Ion Ratio Lower Upper

91 100

92 59.8 48.1 72.1



#54

1,2-Dibromoethane

Concen: 9.997 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032601.D

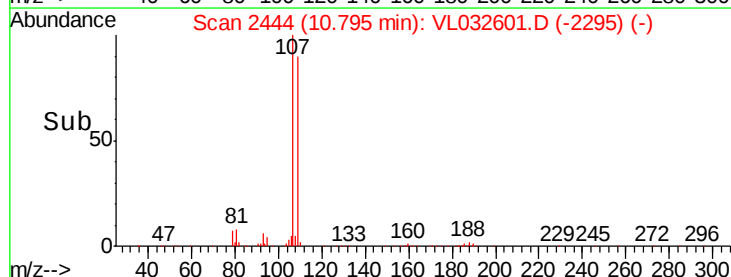
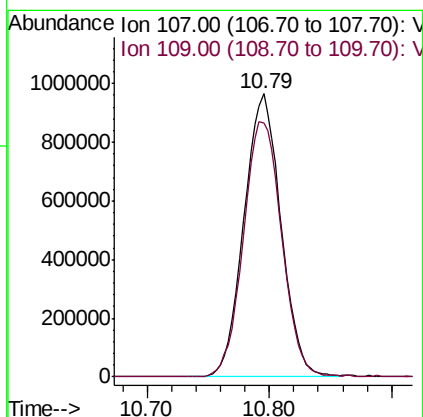
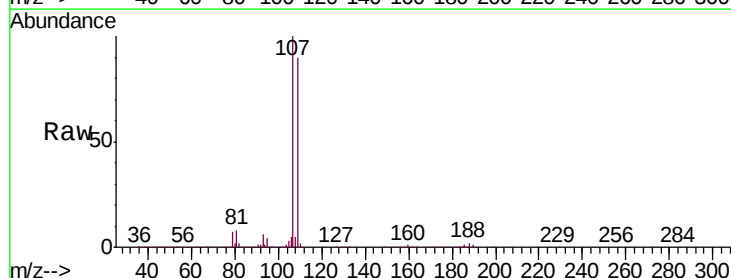
Acq: 11 Oct 2018 12:41

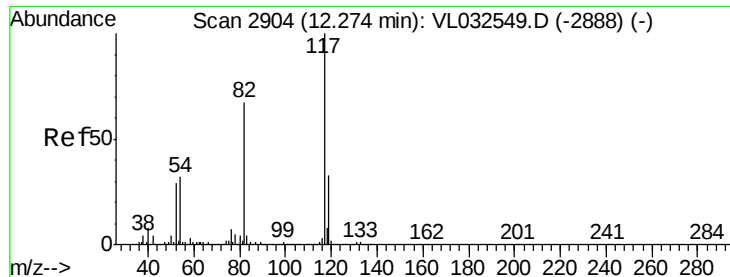
Tgt Ion: 107 Resp: 2011109

Ion Ratio Lower Upper

107 100

109 89.7 73.9 110.9

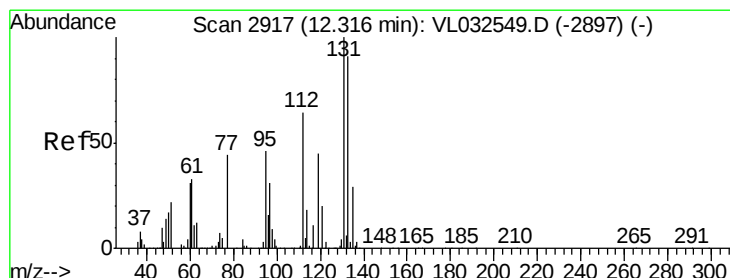
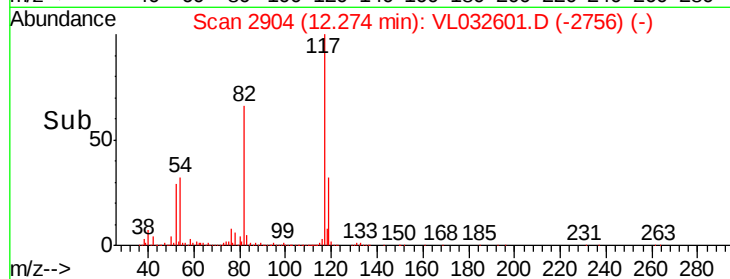
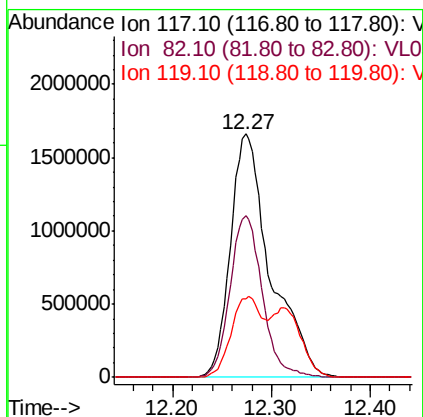
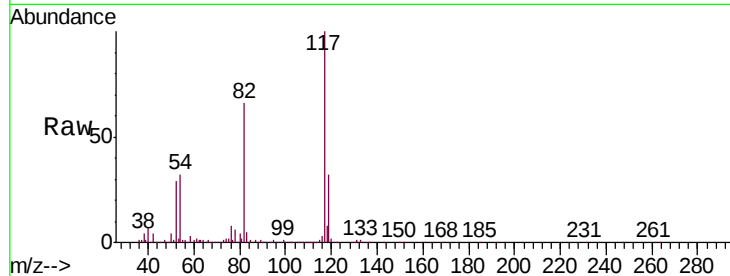




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

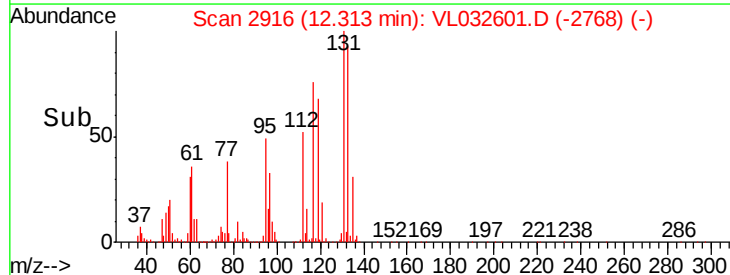
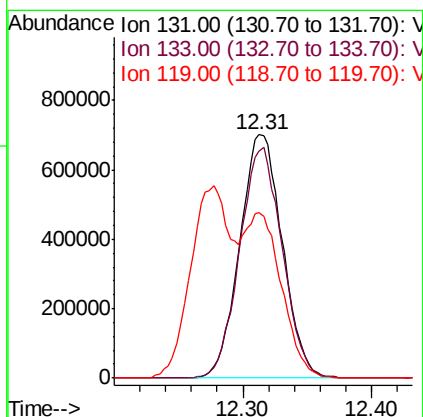
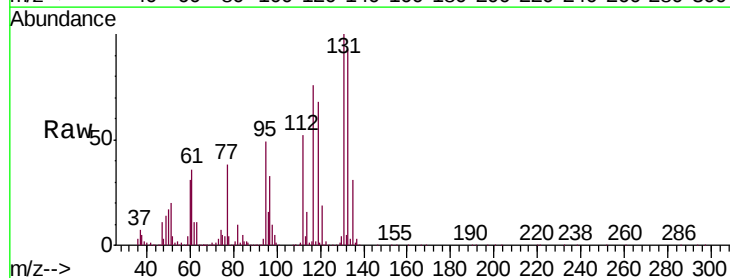
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

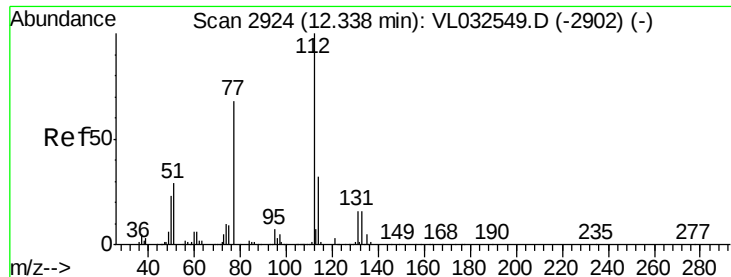
Tgt Ion:117 Resp: 4697679
Ion Ratio Lower Upper
117 100
82 54.0 53.0 79.6
119 28.3 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.630 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion:131 Resp: 1611109
Ion Ratio Lower Upper
131 100
133 94.8 77.0 115.4
119 60.2 114.2 171.2#





#57

Chlorobenzene

Concen: 7.219 ppbv

RT: 12.34 min Scan# 2923

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

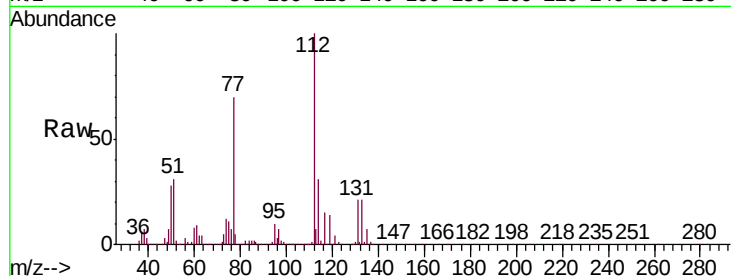
Tgt Ion: 112 Resp: 2731680

Ion Ratio Lower Upper

112 100

77 69.9 56.1 84.1

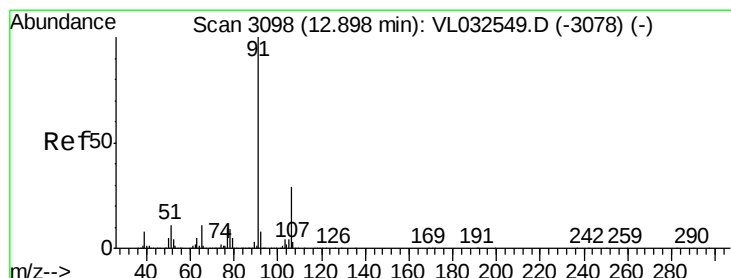
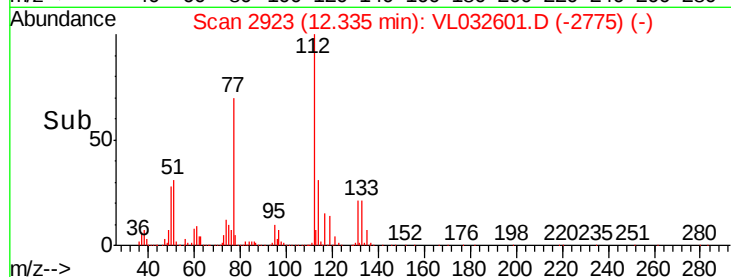
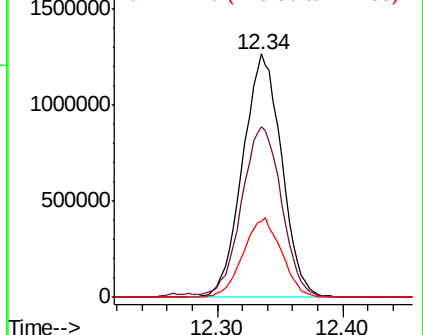
114 31.3 27.8 34.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.961 ppbv

RT: 12.90 min Scan# 3098

Delta R.T. -0.02 min

Lab File: VL032601.D

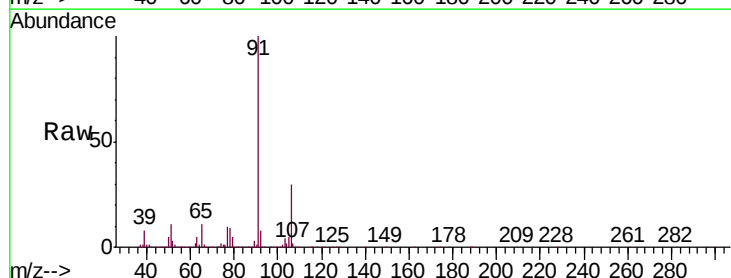
Acq: 11 Oct 2018 12:41

Tgt Ion: 91 Resp: 4536396

Ion Ratio Lower Upper

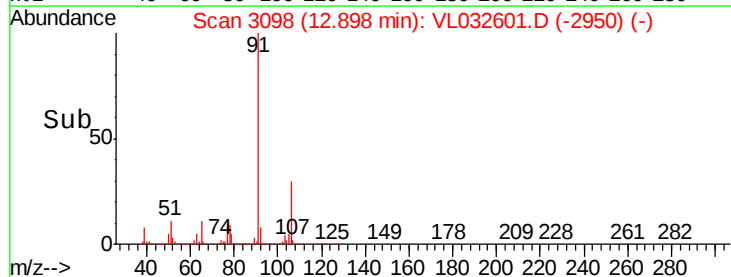
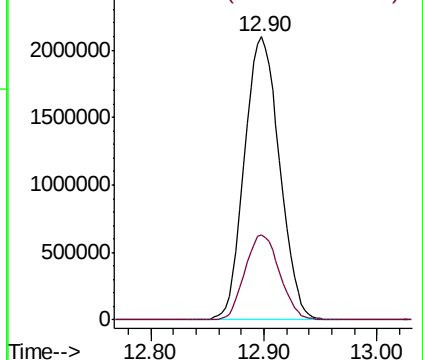
91 100

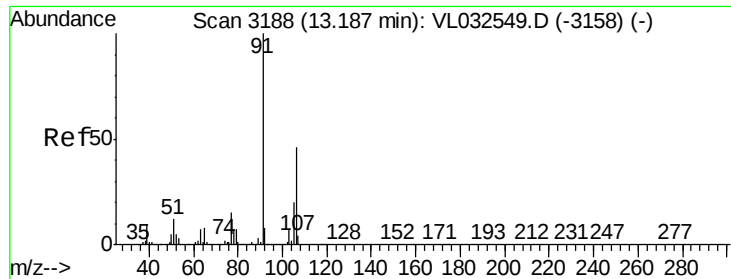
106 29.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.577 ppbv

RT: 13.18 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

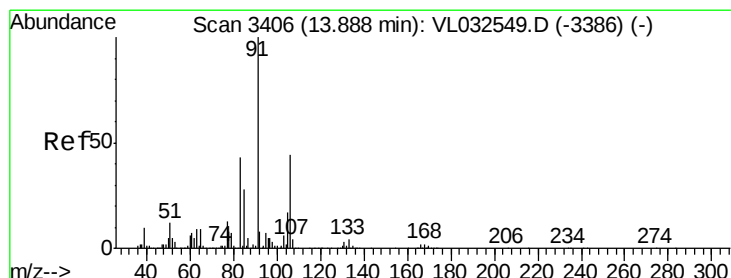
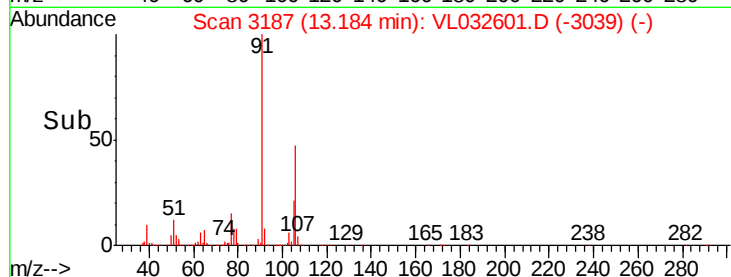
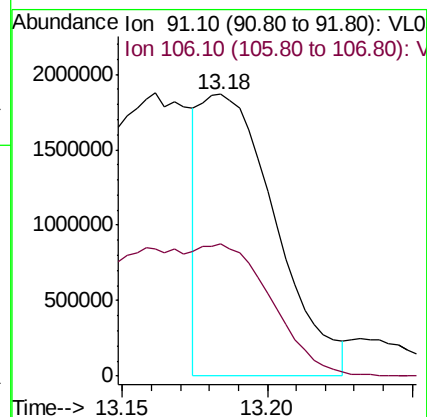
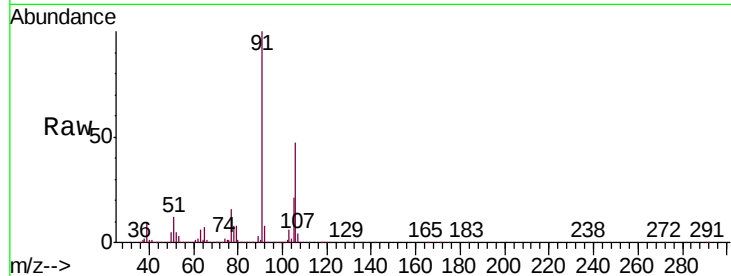
VL1011ABS01

Tgt Ion: 91 Resp: 3334465

Ion Ratio Lower Upper

91 100

106 102.3 36.6 55.0#



#60

o-Xylene

Concen: 7.579 ppbv

RT: 13.88 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL032601.D

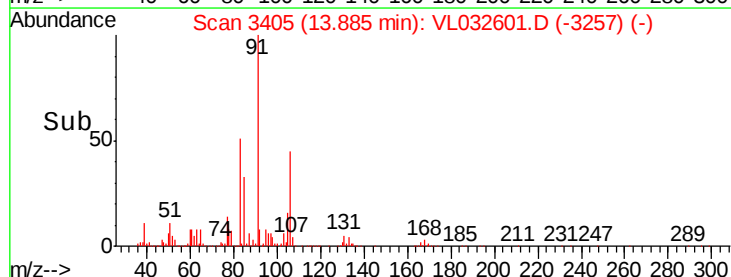
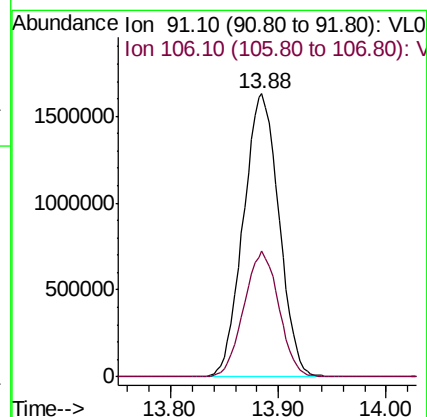
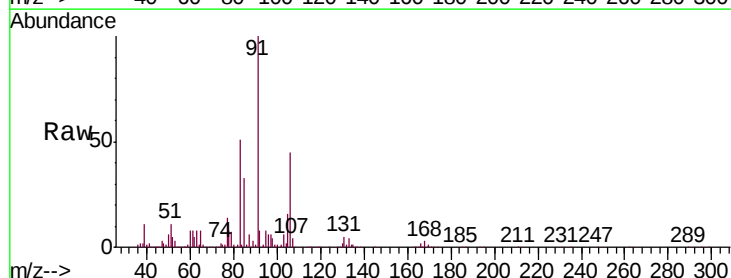
Acq: 11 Oct 2018 12:41

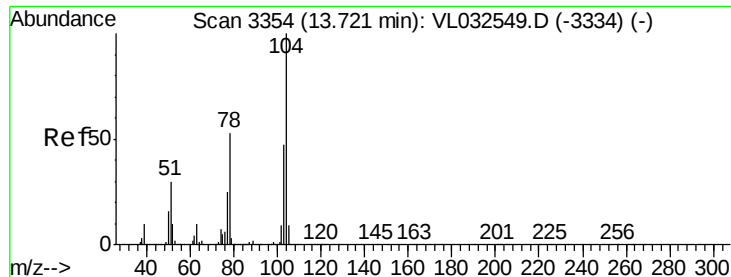
Tgt Ion: 91 Resp: 3741266

Ion Ratio Lower Upper

91 100

106 43.6 21.9 65.7





#61

Styrene

Concen: 8.306 ppbv

RT: 13.72 min Scan# 3353

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

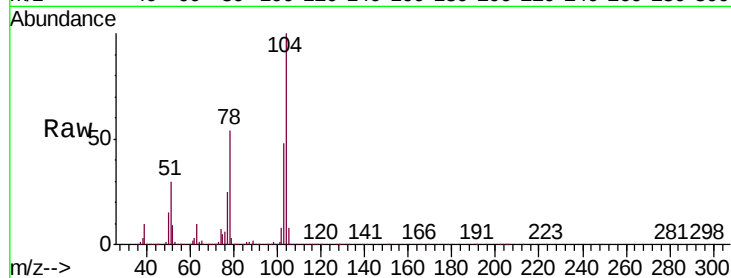
Tgt Ion:104 Resp: 2681934

Ion Ratio Lower Upper

104 100

78 53.8 41.8 62.8

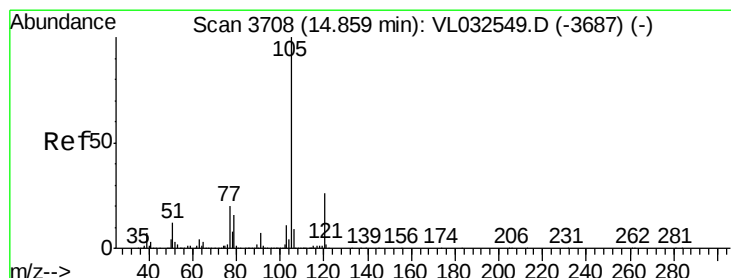
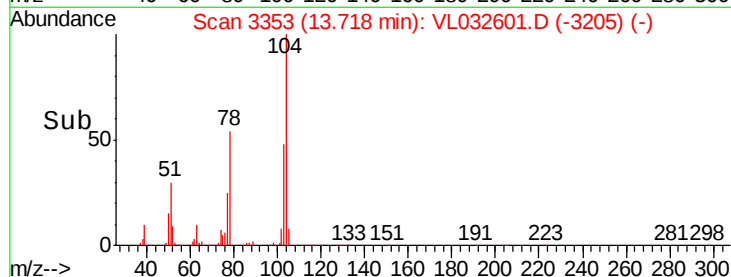
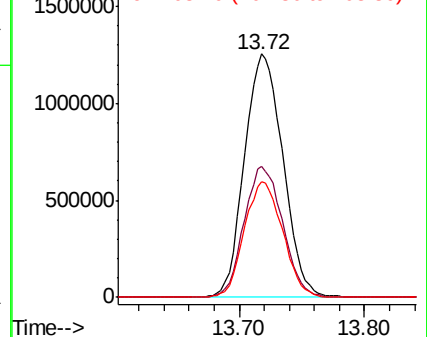
103 47.4 38.0 57.0



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: 7.556 ppbv

RT: 14.86 min Scan# 3708

Delta R.T. -0.03 min

Lab File: VL032601.D

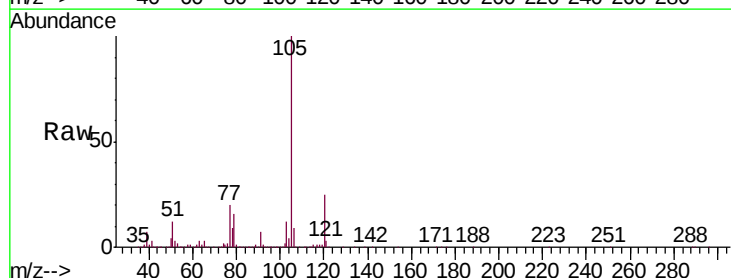
Acq: 11 Oct 2018 12:41

Tgt Ion:105 Resp: 5274989

Ion Ratio Lower Upper

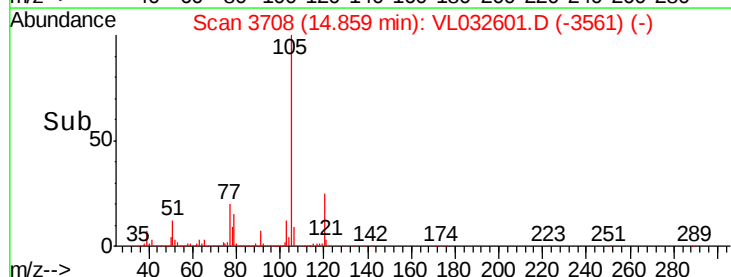
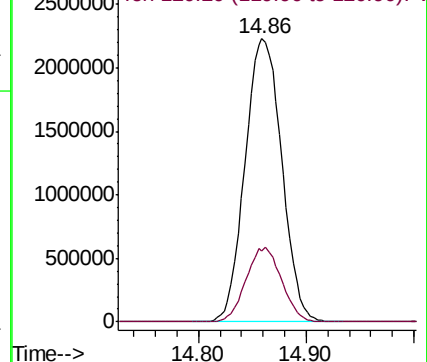
105 100

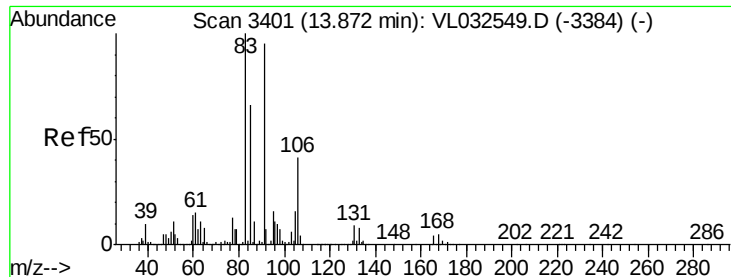
120 25.5 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

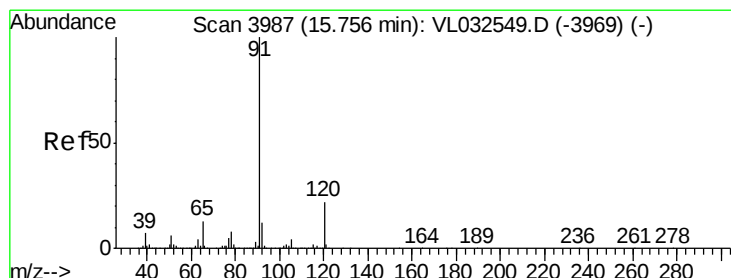
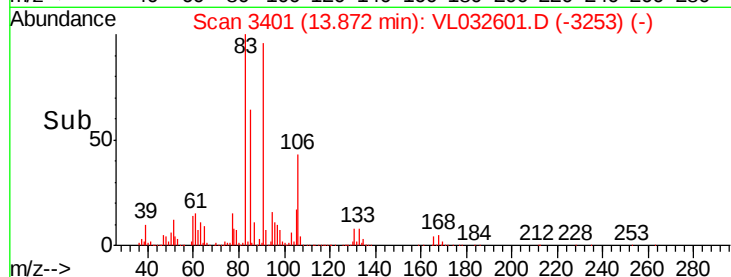
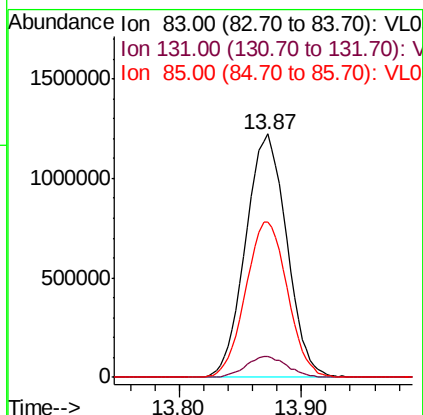
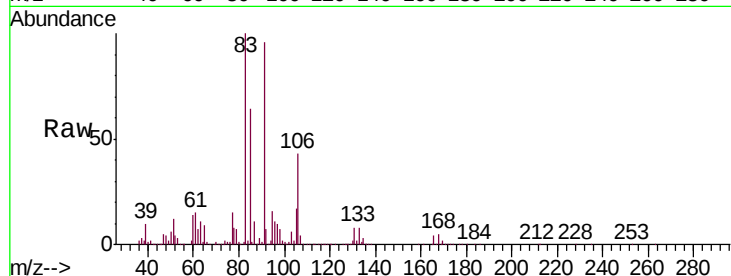




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.511 ppbv
 RT: 13.87 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

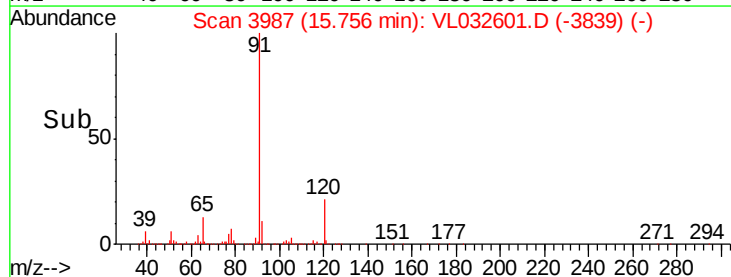
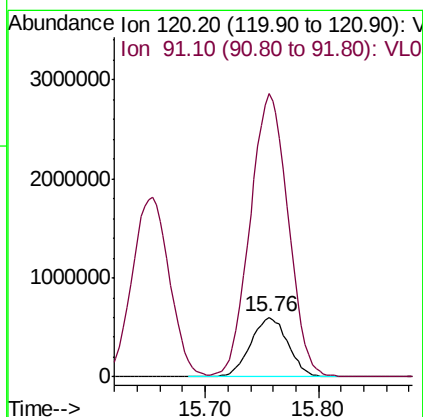
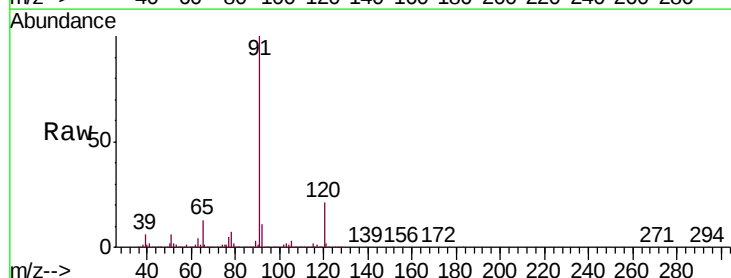
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

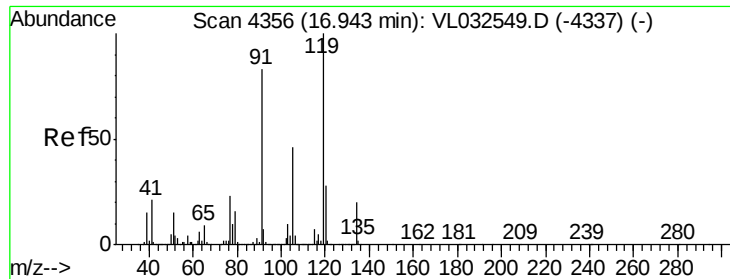
Tgt Ion: 83 Resp: 2855044
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 65.2 32.3 96.8



#64
 n-propylbenzene
 Concen: 7.674 ppbv
 RT: 15.76 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 120 Resp: 1376237
 Ion Ratio Lower Upper
 120 100
 91 484.4 381.8 572.6

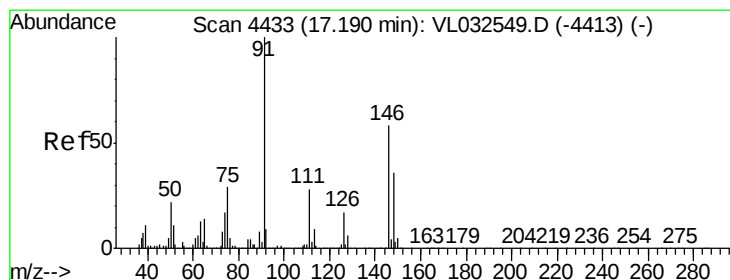
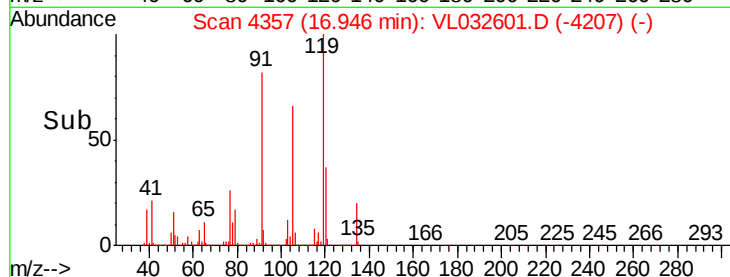
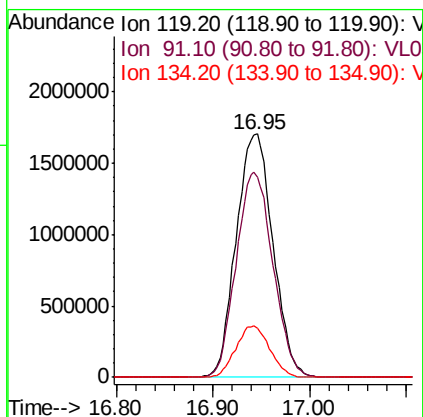
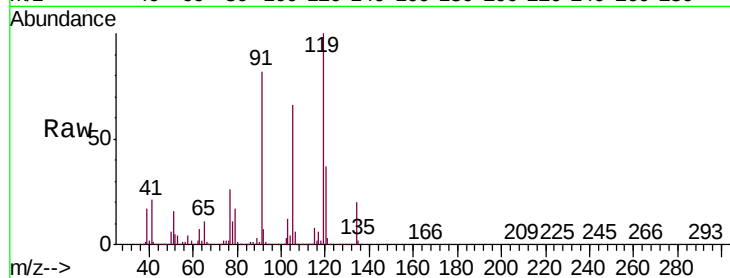




#65
tert-Butylbenzene
Concen: 7.502 ppbv
RT: 16.95 min Scan# 4357
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

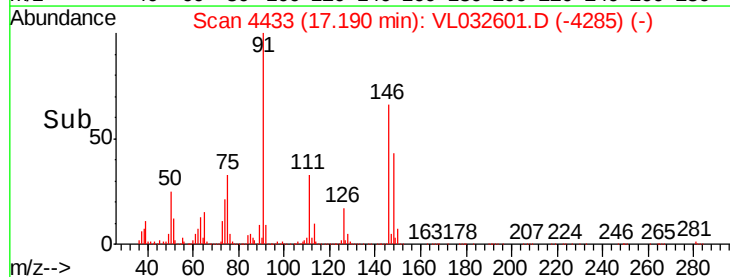
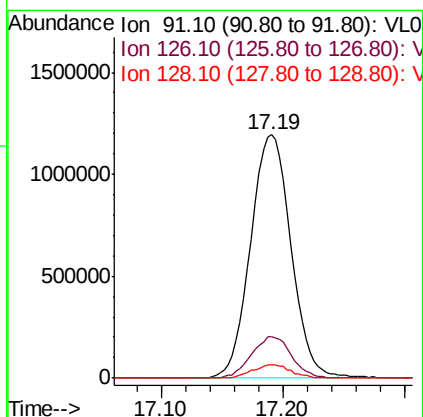
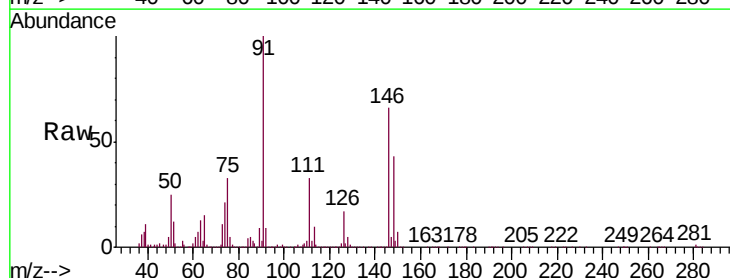
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

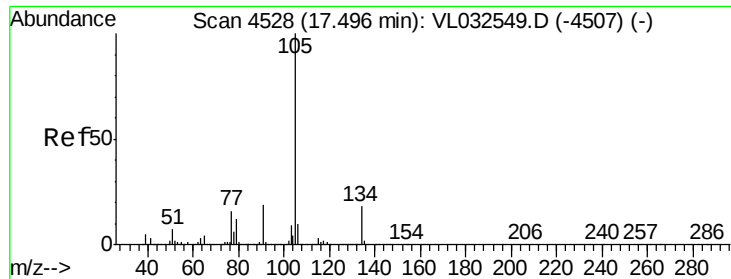
Tgt Ion: 119 Resp: 4488873
Ion Ratio Lower Upper
119 100
91 84.7 66.5 99.7
134 19.7 16.0 24.0



#66
Benzyl Chloride
Concen: 7.913 ppbv
RT: 17.19 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 91 Resp: 2728795
Ion Ratio Lower Upper
91 100
126 17.1 13.8 20.8
128 5.3 4.4 6.6

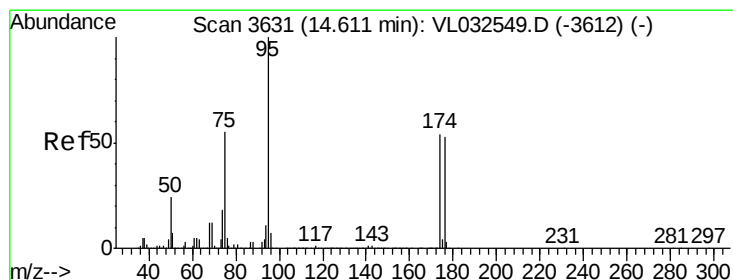
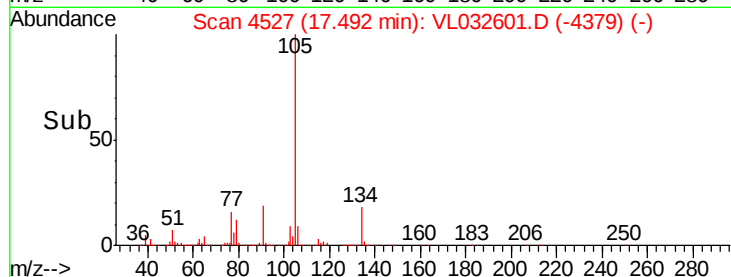
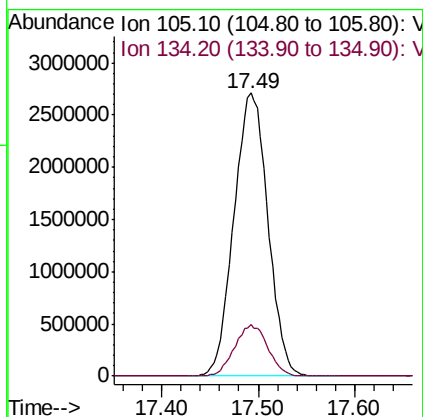
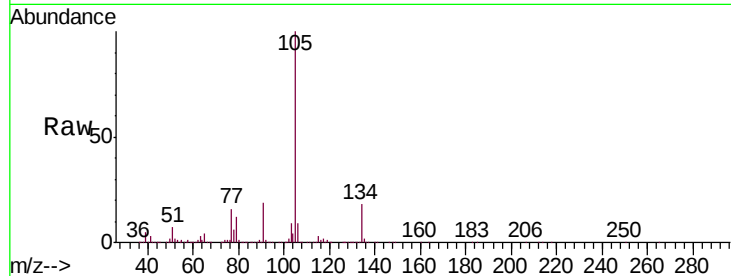




#67
 sec-Butylbenzene
 Concen: 7.426 ppbv
 RT: 17.49 min Scan# 4527
 Delta R.T. -0.02 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

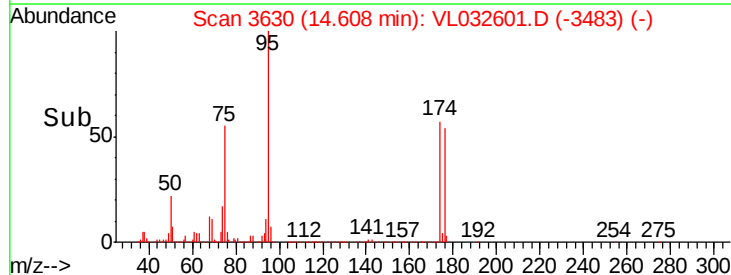
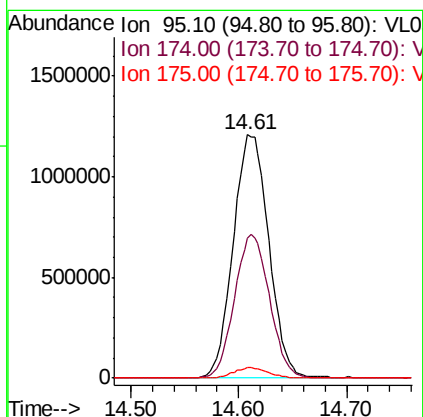
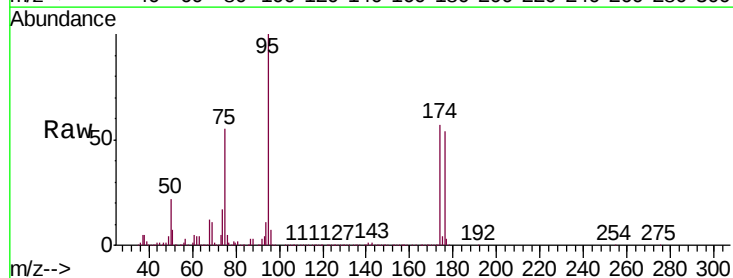
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

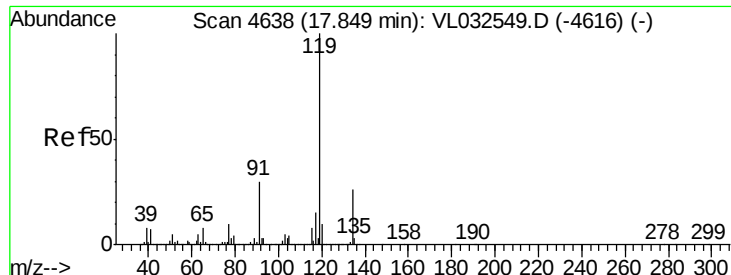
Tgt Ion: 105 Resp: 6605953
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.853 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032601.D
 Acq: 11 Oct 2018 12:41

Tgt Ion: 95 Resp: 2781997
 Ion Ratio Lower Upper
 95 100
 174 58.4 46.3 69.5
 175 4.2 3.4 5.0

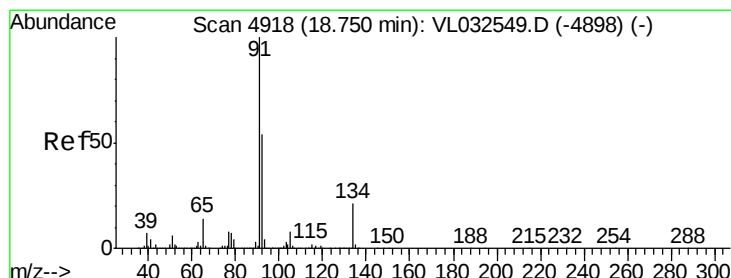
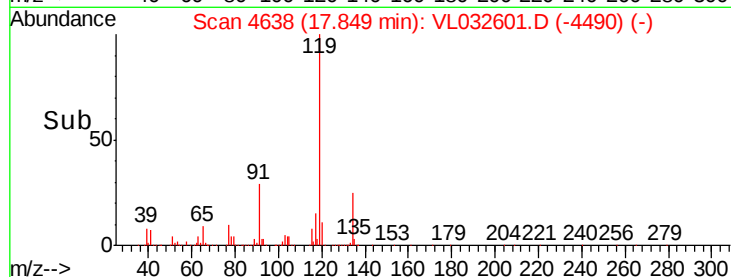
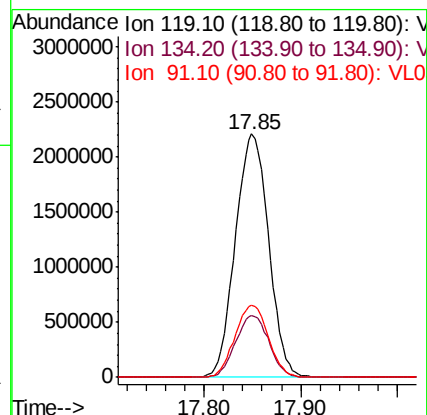
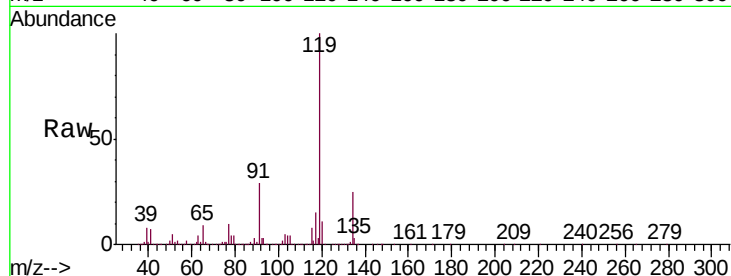




#69
p-Isopropyltoluene
Concen: 7.684 ppbv
RT: 17.85 min Scan# 4638
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

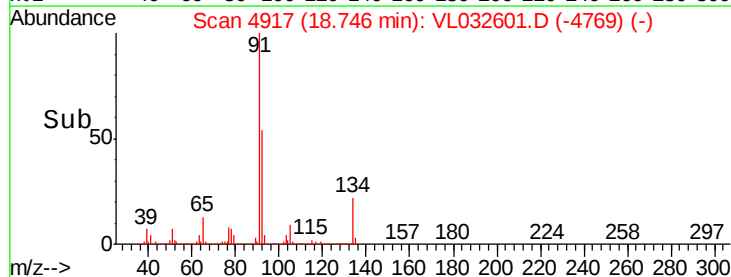
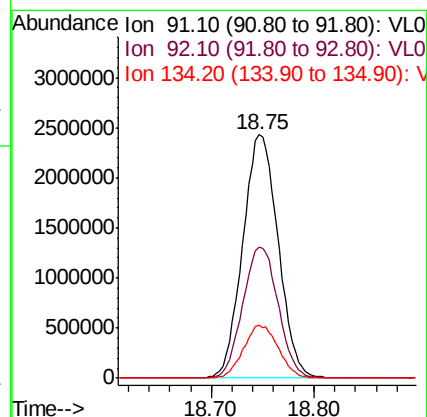
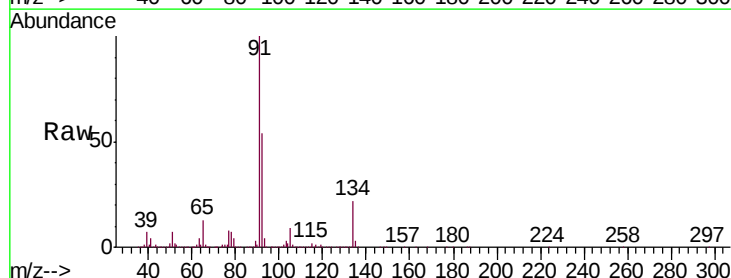
Instrument :
MSVOA_L
ClientSampleId :
VL1011ABS01

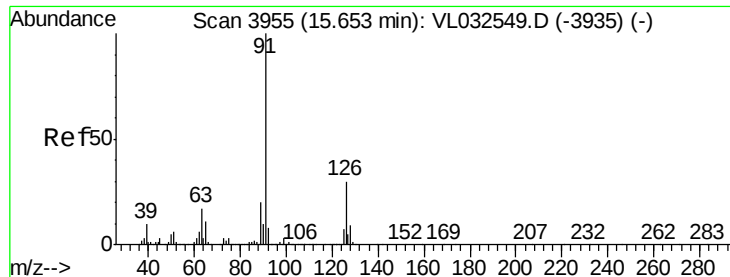
Tgt Ion: 119 Resp: 5279291
Ion Ratio Lower Upper
119 100
134 25.5 20.4 30.6
91 29.7 23.4 35.2



#70
n-Butylbenzene
Concen: 7.713 ppbv
RT: 18.75 min Scan# 4917
Delta R.T. -0.02 min
Lab File: VL032601.D
Acq: 11 Oct 2018 12:41

Tgt Ion: 91 Resp: 5788893
Ion Ratio Lower Upper
91 100
92 54.0 43.8 65.8
134 21.5 17.4 26.0





#71

2-Chlorotoluene

Concen: 7.856 ppbv

RT: 15.65 min Scan# 3955

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

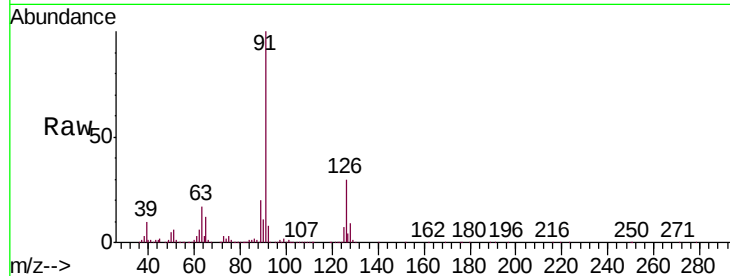
VL1011ABS01

Tgt Ion: 91 Resp: 4176827

Ion Ratio Lower Upper

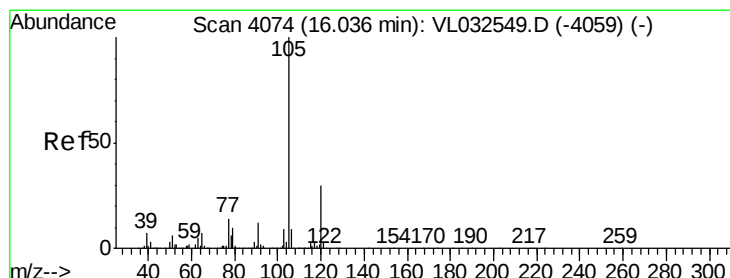
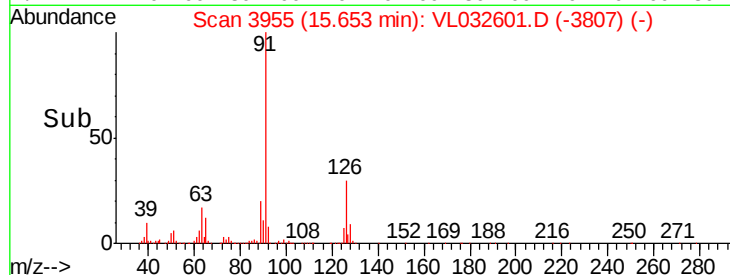
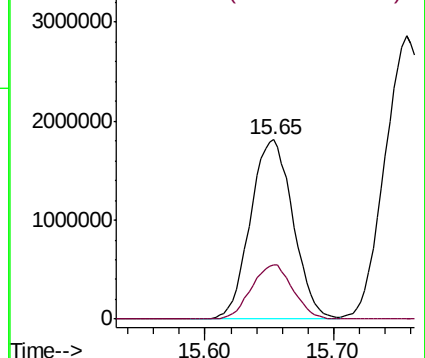
91 100

126 29.7 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.093 ppbv

RT: 16.04 min Scan# 4074

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Tgt Ion: 105 Resp: 4336114

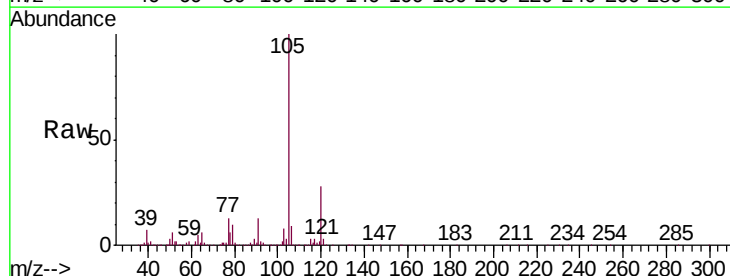
Ion Ratio Lower Upper

105 100

120 29.6 23.5 35.3

91 12.8 10.2 15.2

77 14.3 11.1 16.7

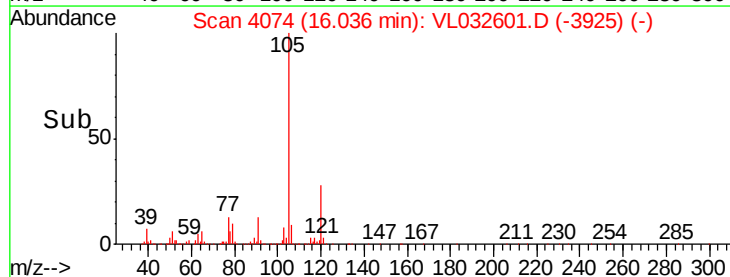
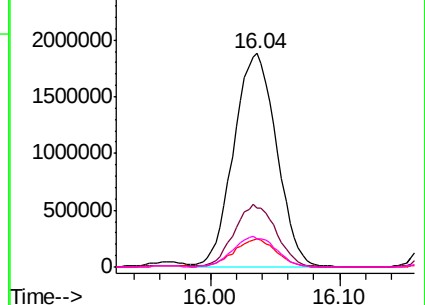


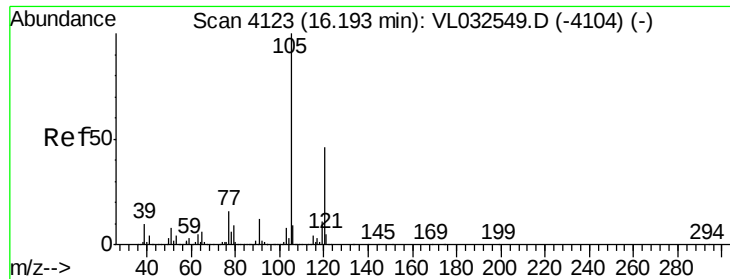
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.927 ppbv

RT: 16.19 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

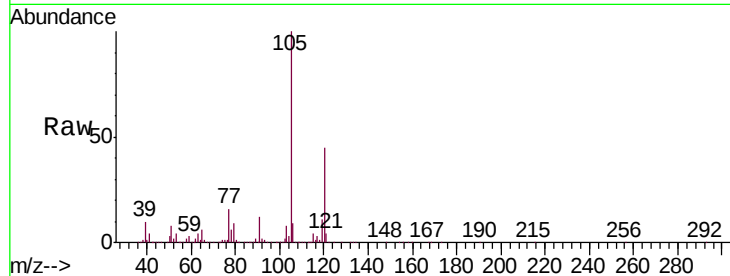
VL1011ABS01

Tgt Ion:105 Resp: 4127490

Ion Ratio Lower Upper

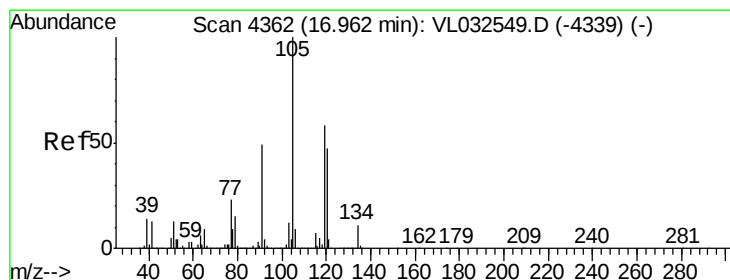
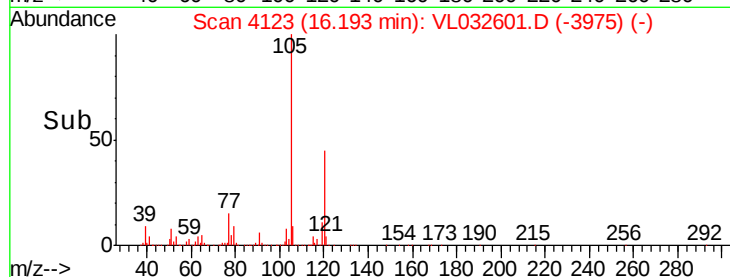
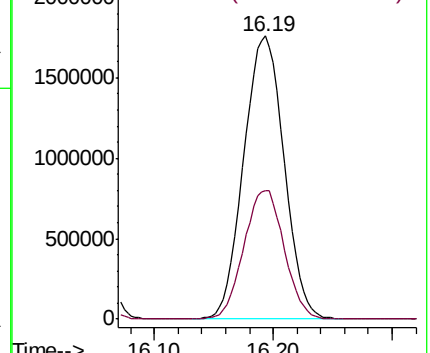
105 100

120 45.3 37.9 56.9



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: 7.529 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Tgt Ion:105 Resp: 4221061

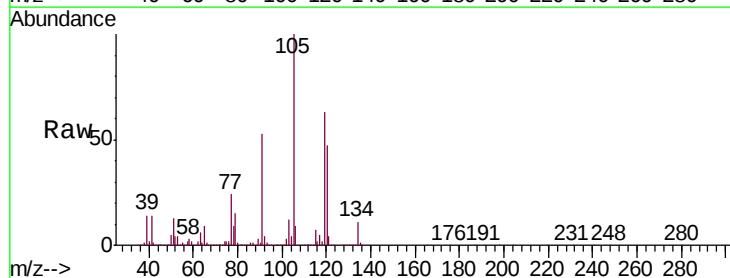
Ion Ratio Lower Upper

105 100

120 47.4 37.8 56.8

91 53.4 41.4 62.0

77 24.0 18.6 28.0

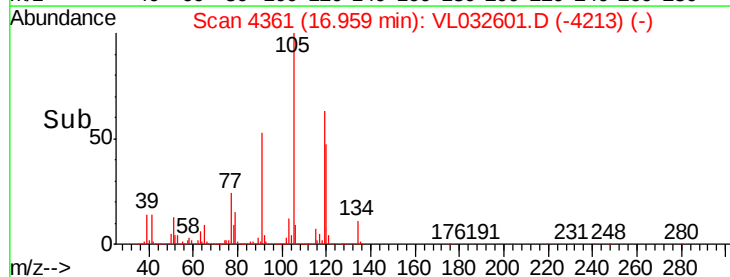
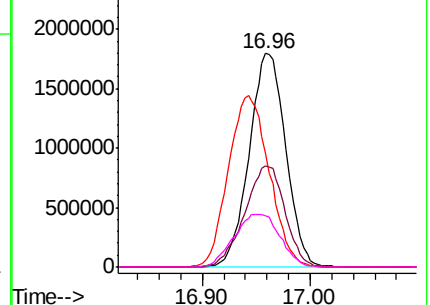


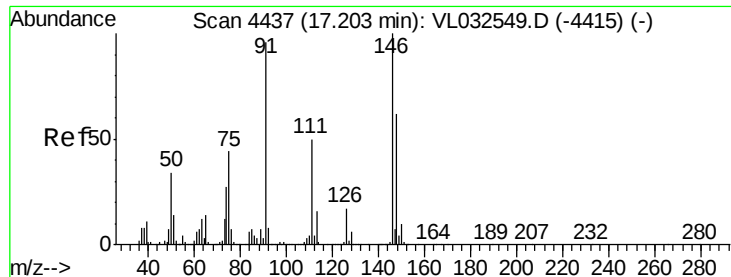
Abundance Ion 105.10 (104.80 to 105.80): V

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: 6.867 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

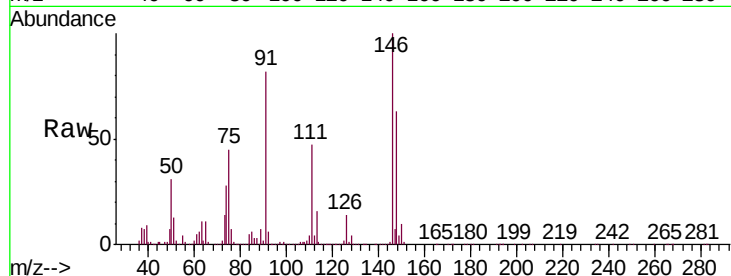
Tgt Ion:146 Resp: 2375454

Ion Ratio Lower Upper

146 100

111 48.1 24.5 73.5

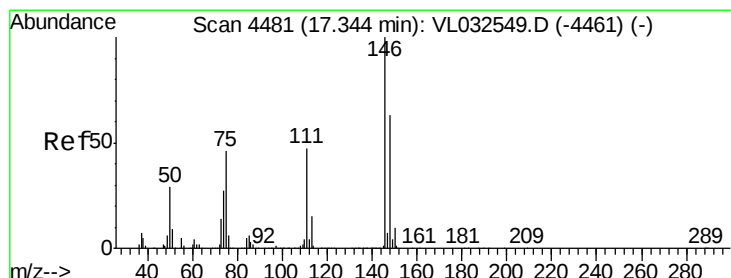
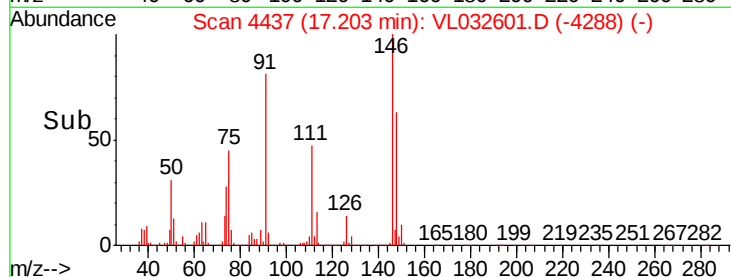
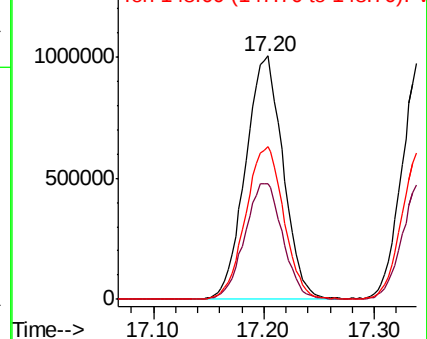
148 63.5 32.0 96.2



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: 7.288 ppbv

RT: 17.34 min Scan# 4481

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

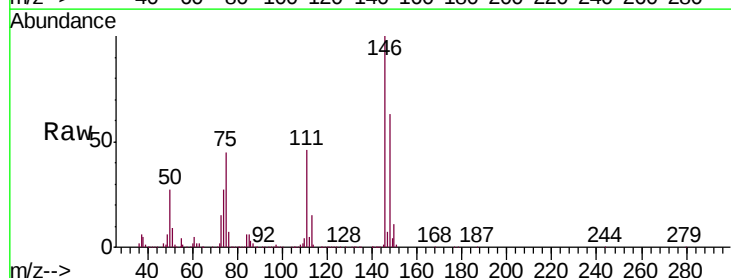
Tgt Ion:146 Resp: 2308415

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.2

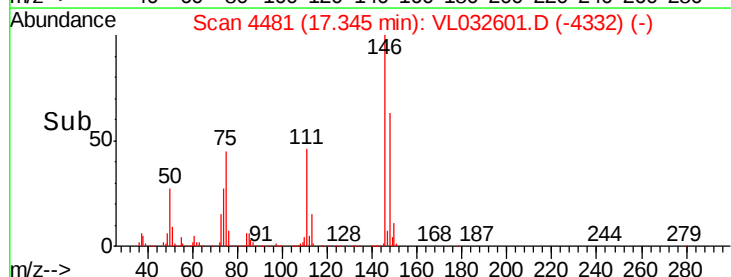
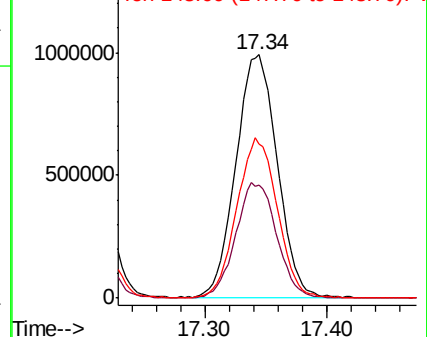
148 65.5 32.0 96.2

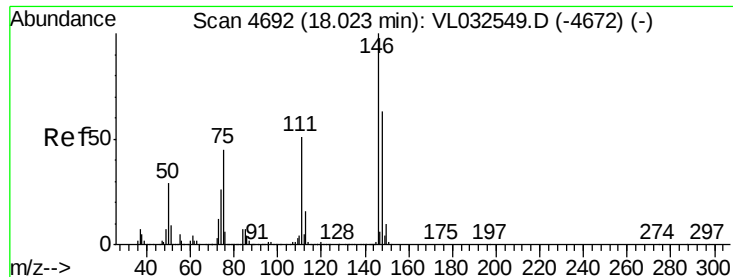


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.165 ppbv

RT: 18.02 min Scan# 4691

Delta R.T. -0.03 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

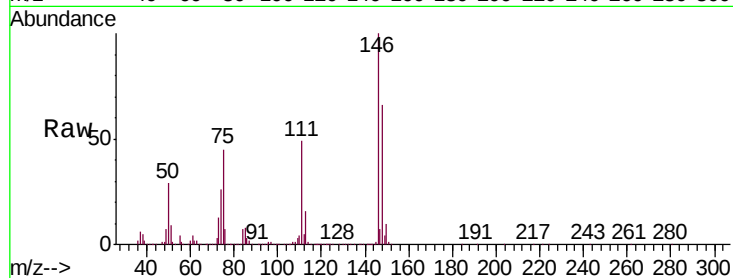
Tgt Ion:146 Resp: 2330892

Ion Ratio Lower Upper

146 100

111 50.1 24.9 74.8

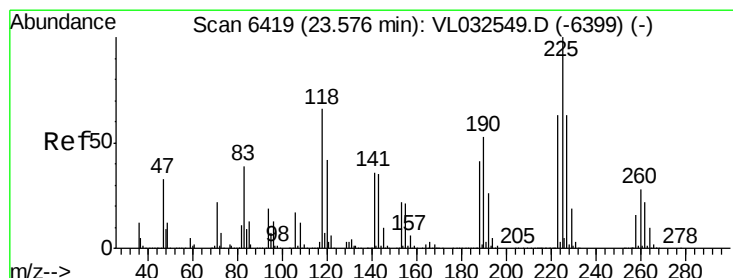
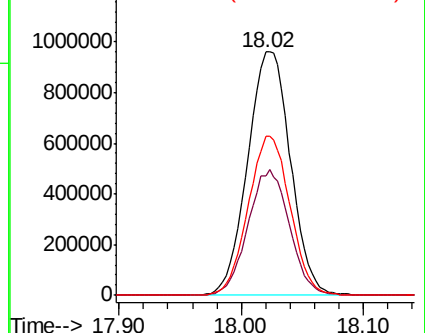
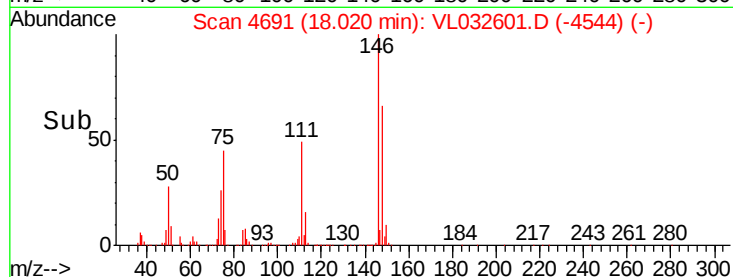
148 64.2 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.732 ppbv

RT: 23.57 min Scan# 6418

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

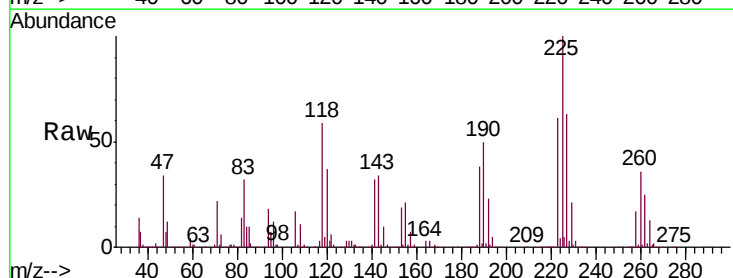
Tgt Ion:225 Resp: 821940

Ion Ratio Lower Upper

225 100

223 63.7 50.6 76.0

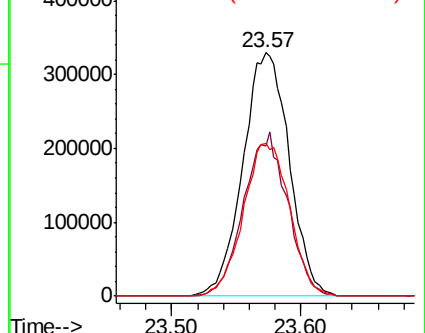
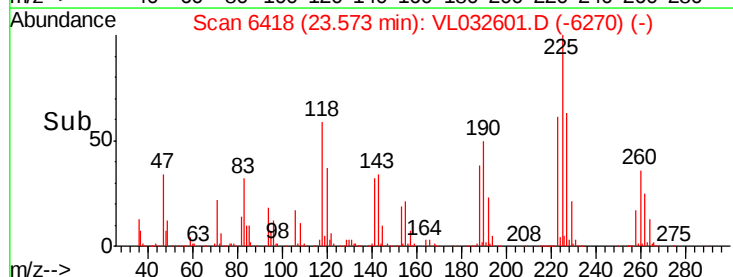
227 63.2 51.2 76.8

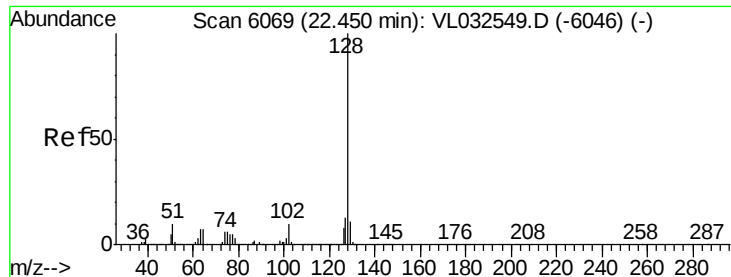


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.237 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

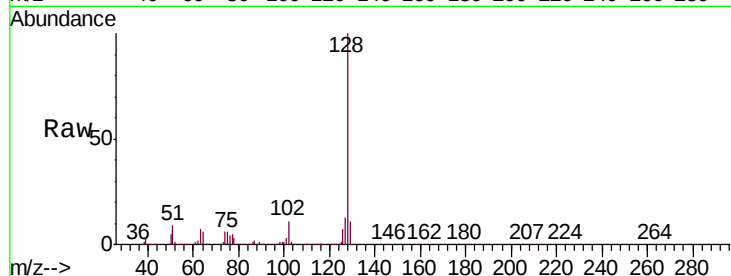
Tgt Ion:128 Resp: 3734969

Ion Ratio Lower Upper

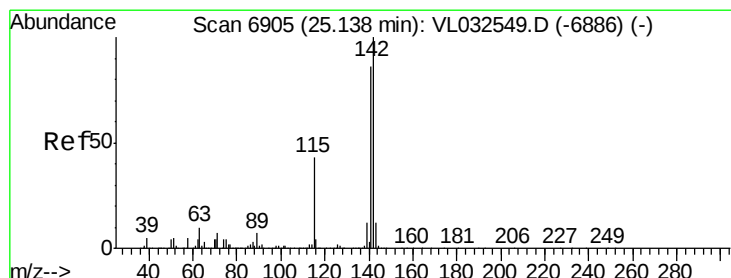
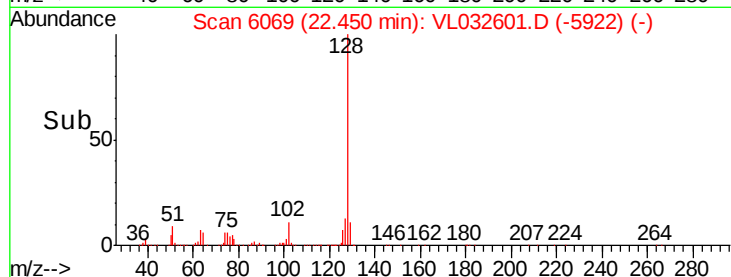
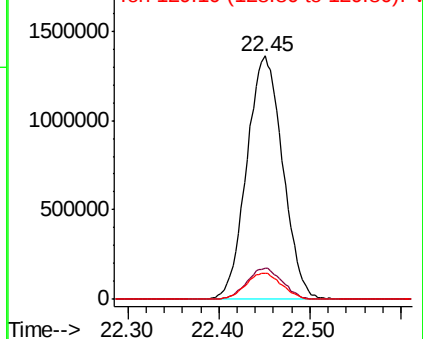
128 100

127 12.9 10.2 15.2

129 10.5 8.5 12.7



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: 11.284 ppbv

RT: 25.14 min Scan# 6904

Delta R.T. -0.02 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

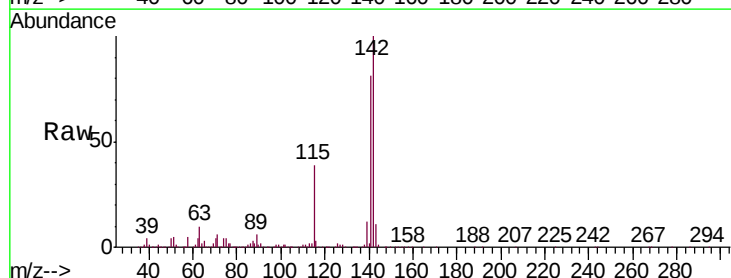
Tgt Ion:142 Resp: 1071212

Ion Ratio Lower Upper

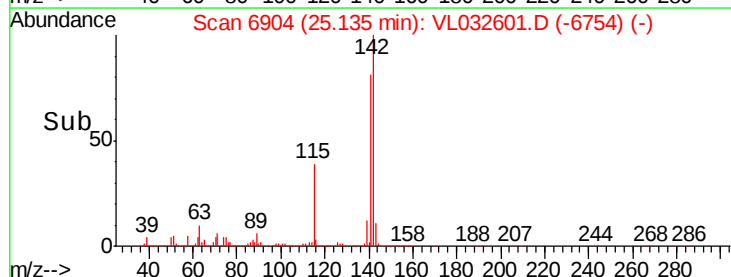
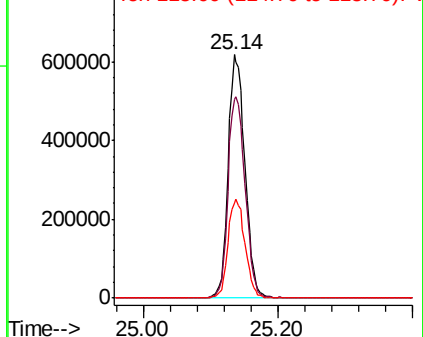
142 100

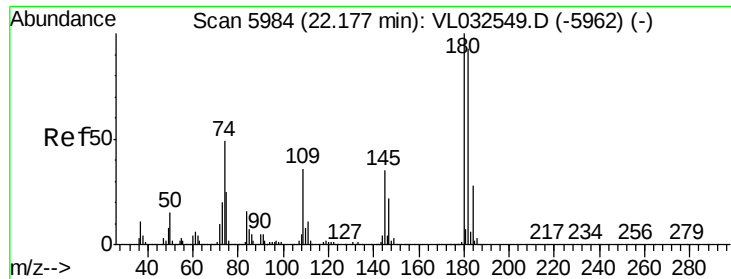
141 84.9 67.0 100.6

115 41.5 31.3 46.9



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: 8.460 ppbv

RT: 22.17 min Scan# 5983

Delta R.T. -0.03 min

Lab File: VL032601.D

Acq: 11 Oct 2018 12:41

Instrument :

MSVOA_L

ClientSampleId :

VL1011ABS01

Tgt Ion:180 Resp: 1753294

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

184 30.2 23.8 35.8

