

Data File : VL032636.D
Acq On : 17 Oct 2018 11:37
Operator : SY/AP
Sample : VL1016ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Quant Time: Oct 17 16:18:59 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	1144186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2574078	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2780722	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2017570	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	813466	9.631	ppbv	99
3) Chlorodifluoromethane	3.02	51	910699	9.513	ppbv	97
4) Chloromethane	3.18	50	494571	9.463	ppbv	99
5) Vinyl Chloride	3.30	62	517644	9.831	ppbv	99
6) Bromomethane	3.53	94	329396	9.904	ppbv	93
7) Chloroethane	3.62	64	199012	9.656	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1238114	9.599	ppbv	99
9) Propene	3.05	41	355133	10.119	ppbv	99
10) Heptane	8.26	43	1472078	11.200	ppbv	98
11) Trichlorofluoromethane	4.02	101	1394696	9.489	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1179152	10.957	ppbv	100
13) Ethanol	3.66	45	95176	8.764	ppbv	99
14) Bromoethene	3.80	108	408641	10.379	ppbv	100
15) Acetone	3.91	43	962734	9.455	ppbv	100
16) 1,3-Butadiene	3.37	39	436905	11.588	ppbv	84
17) tert-Butyl alcohol	4.37	59	92713	9.977	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	475335	9.794	ppbv	97
19) Isopropyl Alcohol	4.04	45	679408	9.448	ppbv	99
20) Methylene Chloride	4.42	84	420628	9.222	ppbv	97
21) Allyl Chloride	4.49	41	787571	10.307	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	521872	9.308	ppbv	90
23) Vinyl Acetate	5.17	43	1798078	11.100	ppbv	98
24) 1,1-Dichloroethane	5.10	63	1508145	10.042	ppbv	100
25) Ethyl Acetate	5.79	43	2506608	10.404	ppbv	99
26) Hexane	5.80	57	1180276	10.876	ppbv	99
27) Carbon Disulfide	4.63	76	1361612	10.383	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1515944	11.116	ppbv	100
29) Chloroform	5.87	83	1953519	10.271	ppbv	94
30) Cyclohexane	7.27	84	981954	11.474	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1169398	11.217	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	1906159	10.045	ppbv	99
34) 2-Butanone	5.34	43	1512828	10.589	ppbv	99
35) Carbon Tetrachloride	7.15	117	2014379	10.098	ppbv	99
36) Benzene	7.02	78	2334288	11.188	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1523635	10.648	ppbv	100
38) Trichloroethene	7.98	130	901487	11.491	ppbv	98
39) 1,2-Dichloropropane	7.76	63	922078	10.864	ppbv	97
40) 1,4-Dioxane	7.98	88	305610	10.422	ppbv #	1
41) Tetrahydrofuran	6.16	42	843499	11.128	ppbv	97
42) Bromodichloromethane	7.94	83	2138404	10.963	ppbv	99
43) Methyl Methacrylate	8.16	69	969996	11.990	ppbv	99

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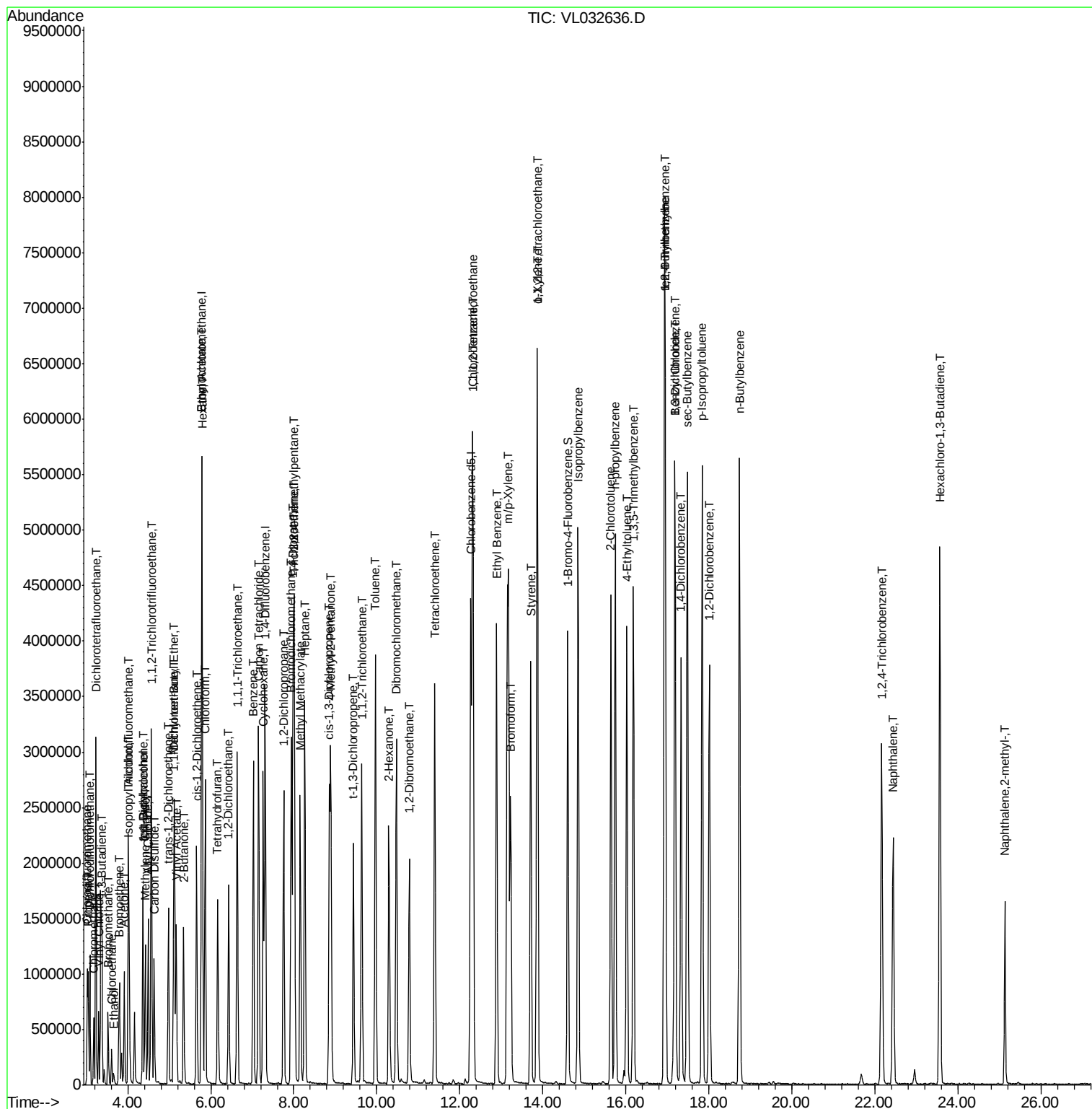
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4150849	11.222	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1265770	11.966	ppbv	98
46) cis-1,3-Dichloropropene	8.86	75	1498772	12.446	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1031162	10.166	ppbv	98
48) Dibromochloromethane	10.47	129	1916828	11.127	ppbv	100
49) Bromoform	13.23	173	1474965	11.331	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	2349452	11.173	ppbv	100
51) 2-Hexanone	10.29	43	2097637	12.686	ppbv #	99
52) Tetrachloroethene	11.40	164	828451	12.061	ppbv	98
53) Toluene	9.97	91	2985653	12.552	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1672986	11.519	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1368079	10.714	ppbv	99
57) Chlorobenzene	12.32	112	2292787	10.842	ppbv	98
58) Ethyl Benzene	12.88	91	3775196	12.089	ppbv	99
59) m/p-Xylene	13.17	91	2861807	10.266	ppbv #	17
60) o-Xylene	13.87	91	3151014	11.343	ppbv	99
61) Styrene	13.71	104	2201393	13.076	ppbv	99
62) Isopropylbenzene	14.85	105	4424699	11.181	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2358095	9.619	ppbv	99
64) n-propylbenzene	15.74	120	1136783	11.336	ppbv	99
65) tert-Butylbenzene	16.93	119	3786238	11.276	ppbv	100
66) Benzyl Chloride	17.18	91	2214040	11.695	ppbv	99
67) sec-Butylbenzene	17.48	105	5516319	10.915	ppbv	100
69) p-Isopropyltoluene	17.84	119	4437233	11.600	ppbv	100
70) n-Butylbenzene	18.74	91	4810431	11.415	ppbv	100
71) 2-Chlorotoluene	15.64	91	3439347	11.757	ppbv	100
72) 4-Ethyltoluene	16.02	105	3630578	12.090	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3464989	11.601	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	3547956	10.790	ppbv	98
75) 1,3-Dichlorobenzene	17.19	146	1922532	10.060	ppbv	100
76) 1,4-Dichlorobenzene	17.33	146	1902739	10.927	ppbv	100
77) 1,2-Dichlorobenzene	18.01	146	1909282	10.393	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1152402	11.208	ppbv	100
79) Naphthalene	22.44	128	2838129	12.692	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	827537	11.330	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1364146	12.289	ppbv	100

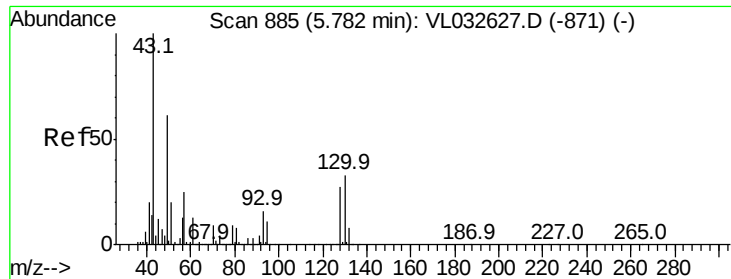
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

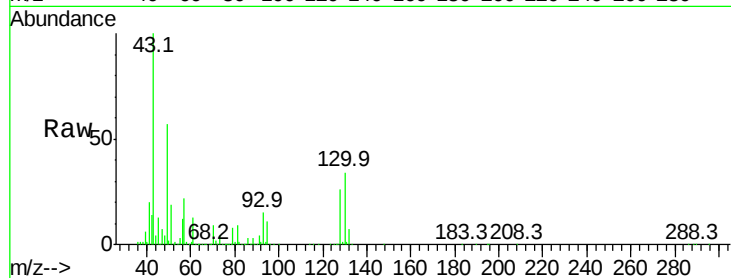
Tgt Ion: 49 Resp: 1144186

Ion Ratio Lower Upper

49 100

128 46.3 22.3 66.8

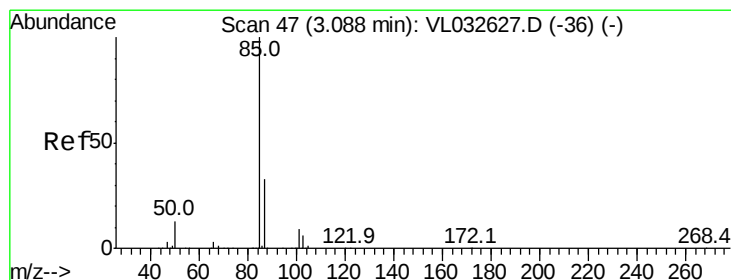
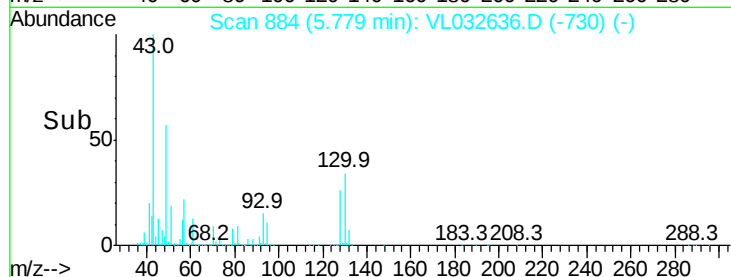
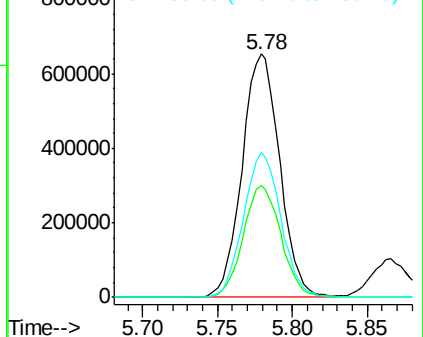
130 59.4 28.4 85.3



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: 9.631 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032636.D

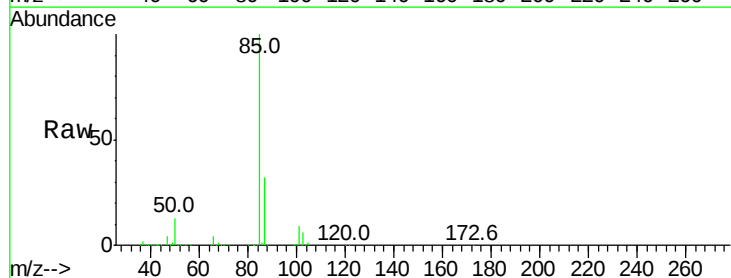
Acq: 17 Oct 2018 11:37

Tgt Ion: 85 Resp: 813466

Ion Ratio Lower Upper

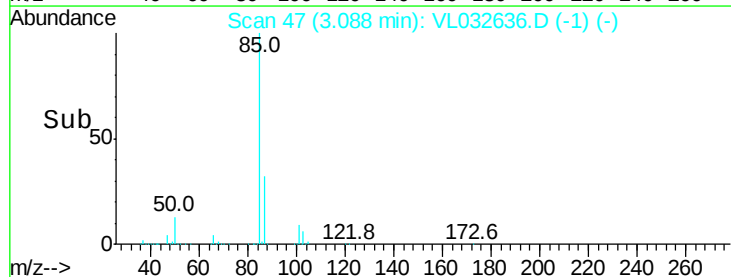
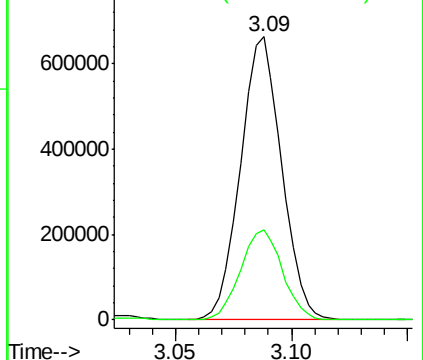
85 100

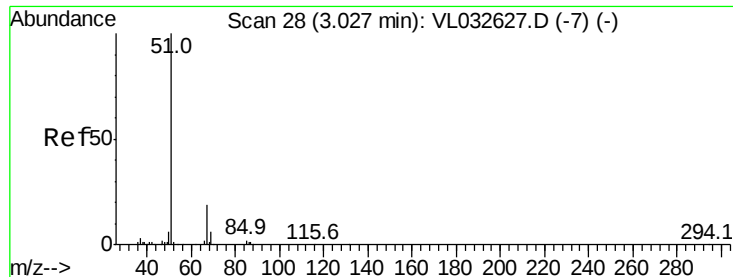
87 31.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

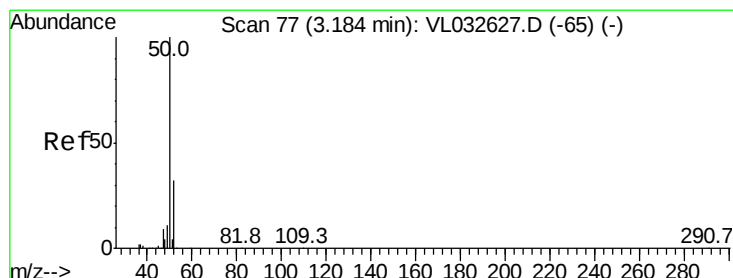
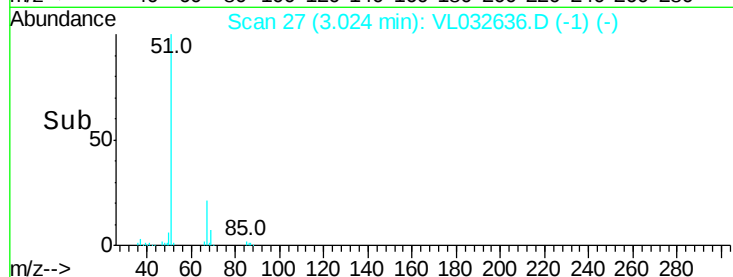
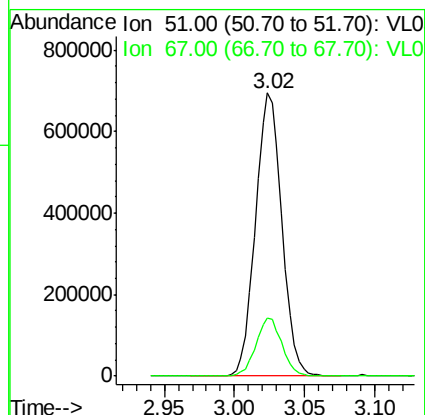
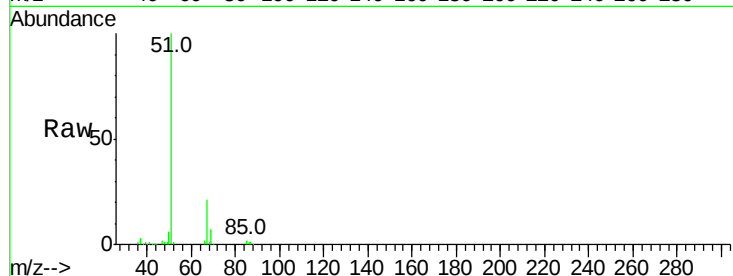




#3
 Chlorodifluoromethane
 Concen: 9.513 ppbv
 RT: 3.02 min Scan# 27
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

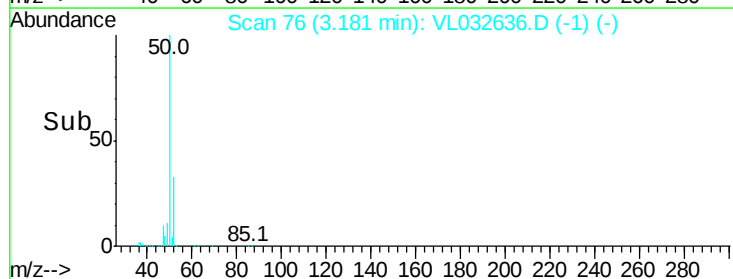
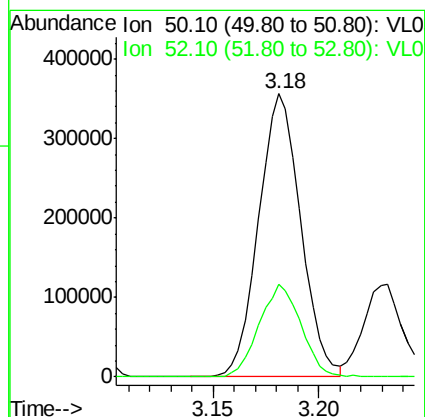
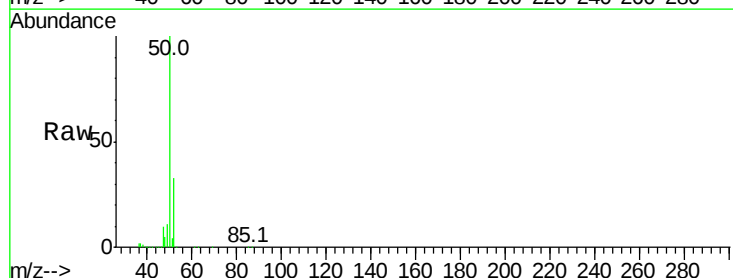
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

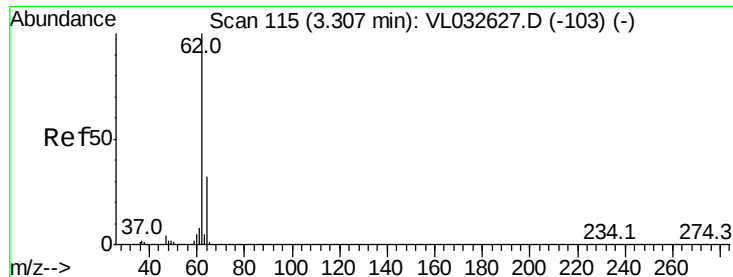
Tgt Ion: 51 Resp: 910699
 Ion Ratio Lower Upper
 51 100
 67 20.2 15.2 22.8



#4
 Chloromethane
 Concen: 9.463 ppbv
 RT: 3.18 min Scan# 76
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion: 50 Resp: 494571
 Ion Ratio Lower Upper
 50 100
 52 32.8 25.9 38.9





#5

Vinyl Chloride

Concen: 9.831 ppbv

RT: 3.30 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

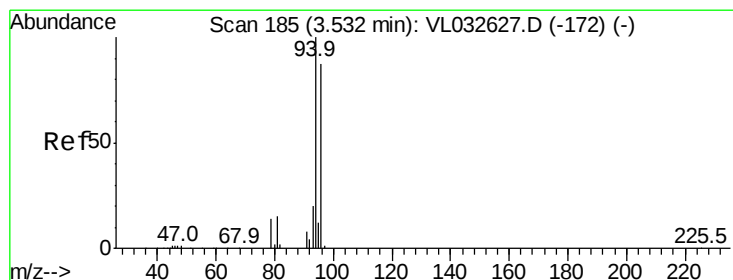
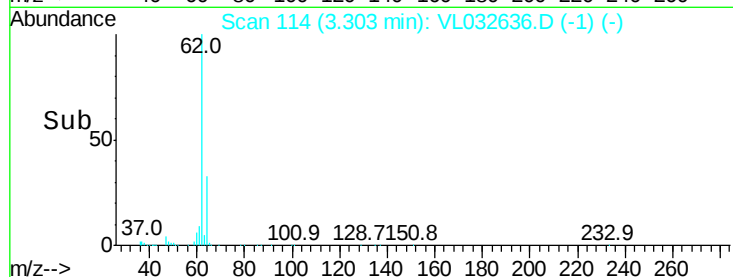
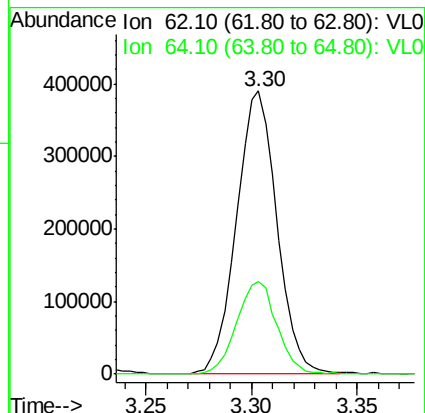
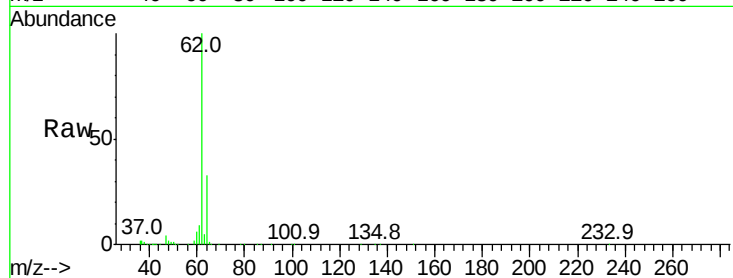
VL1017ABS01

Tgt Ion: 62 Resp: 517644

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3



#6

Bromomethane

Concen: 9.904 ppbv

RT: 3.53 min Scan# 183

Delta R.T. -0.01 min

Lab File: VL032636.D

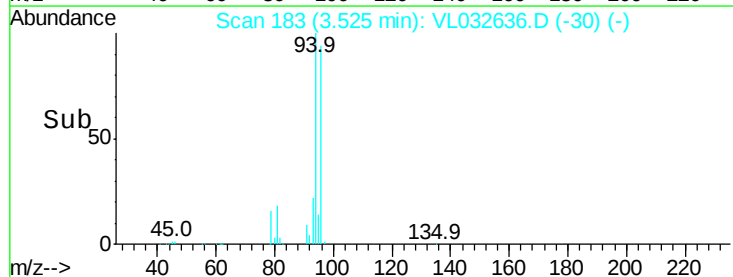
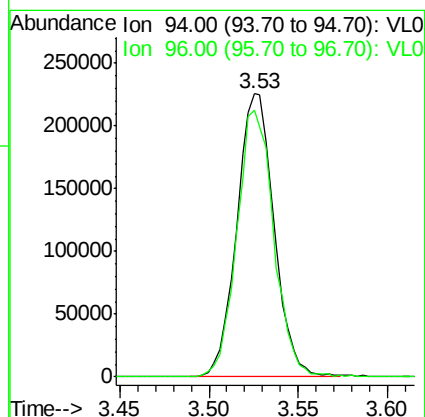
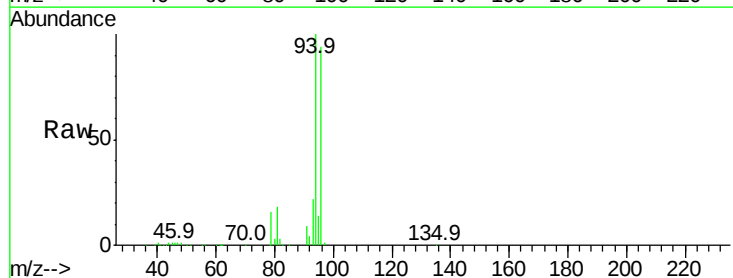
Acq: 17 Oct 2018 11:37

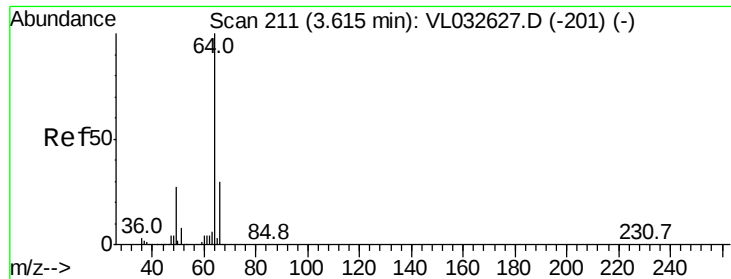
Tgt Ion: 94 Resp: 329396

Ion Ratio Lower Upper

94 100

96 94.0 69.8 104.8





#7

Chloroethane

Concen: 9.656 ppbv

RT: 3.62 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

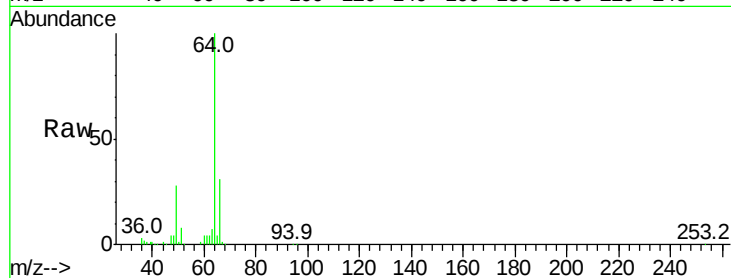
VL1017ABS01

Tgt Ion: 64 Resp: 199012

Ion Ratio Lower Upper

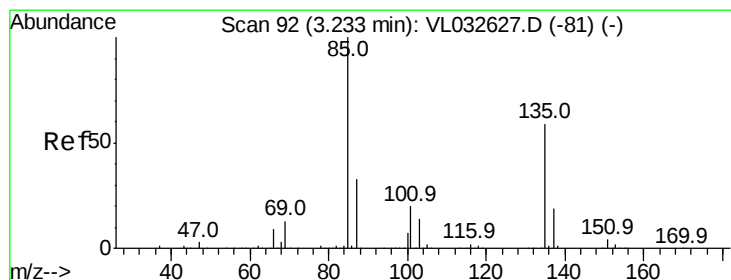
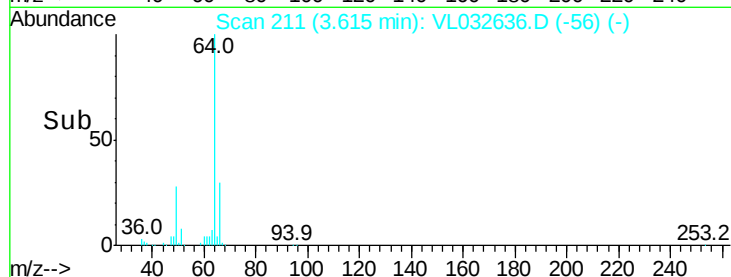
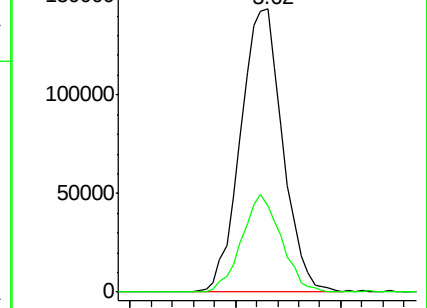
64 100

66 30.7 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.599 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032636.D

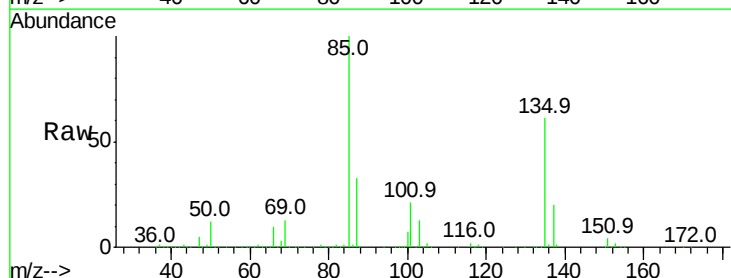
Acq: 17 Oct 2018 11:37

Tgt Ion: 85 Resp: 1238114

Ion Ratio Lower Upper

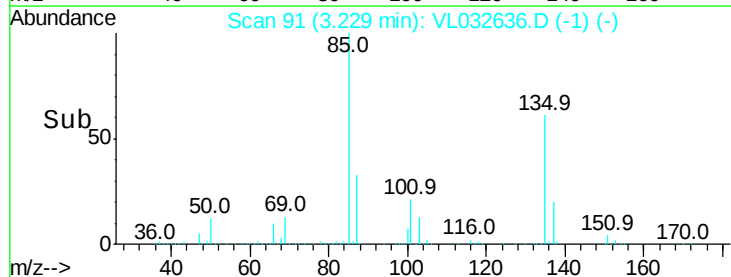
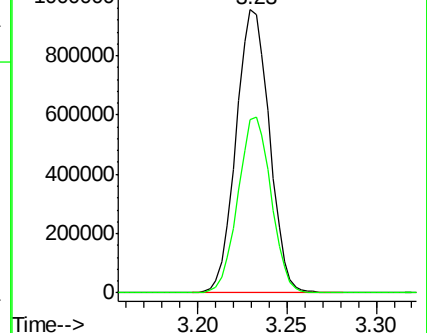
85 100

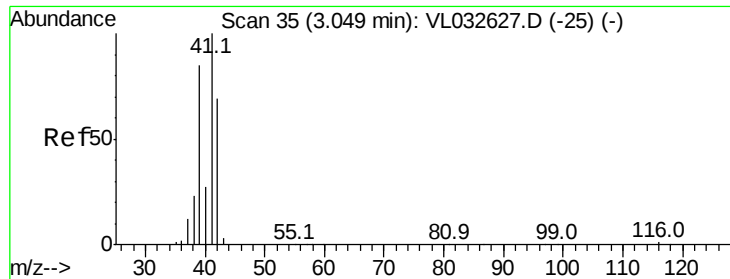
135 61.9 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.119 ppbv

RT: 3.05 min Scan# 34

Delta R.T. -0.00 min

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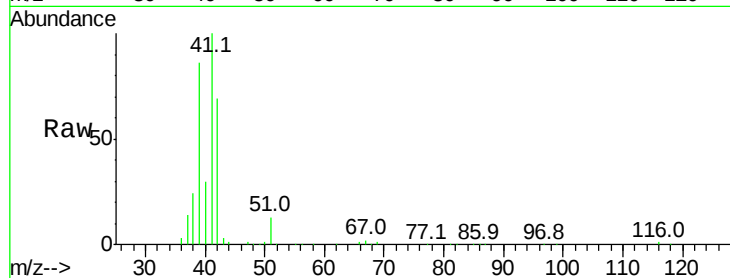
VL1017ABS01

Tgt Ion: 41 Resp: 355133

Ion Ratio Lower Upper

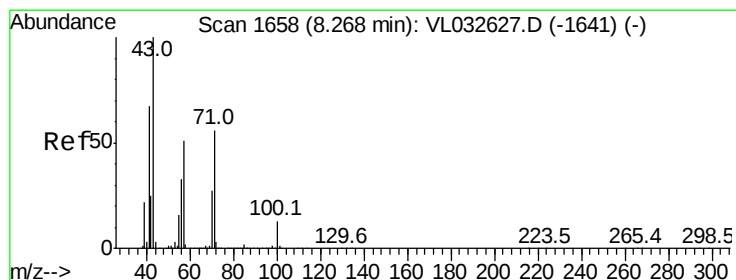
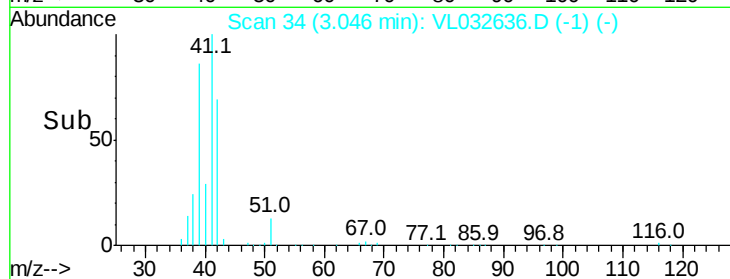
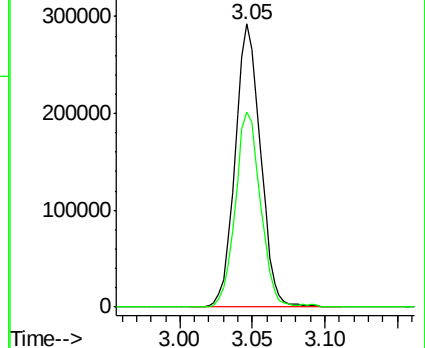
41 100

42 68.7 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.200 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

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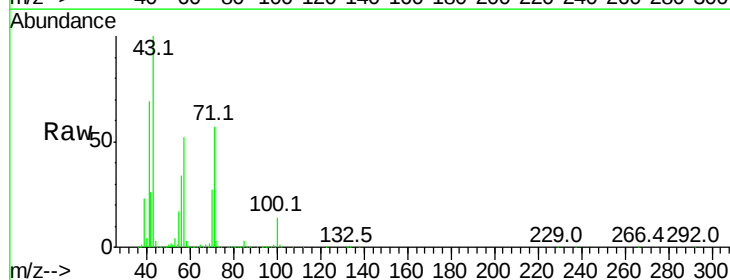
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 1472078

Ion Ratio Lower Upper

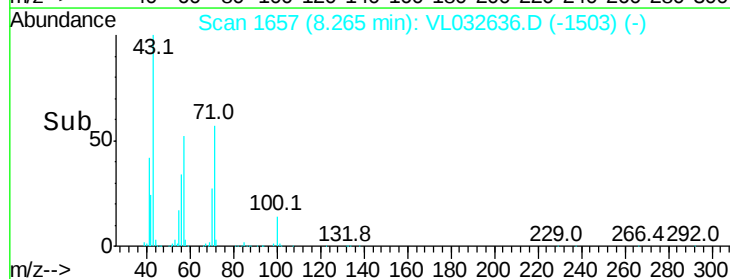
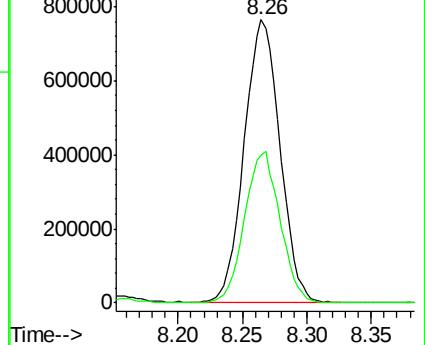
43 100

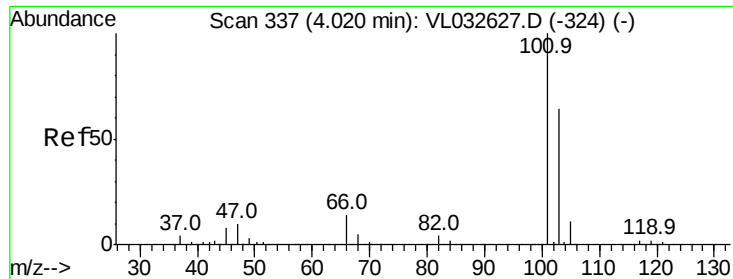
57 53.1 41.5 62.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

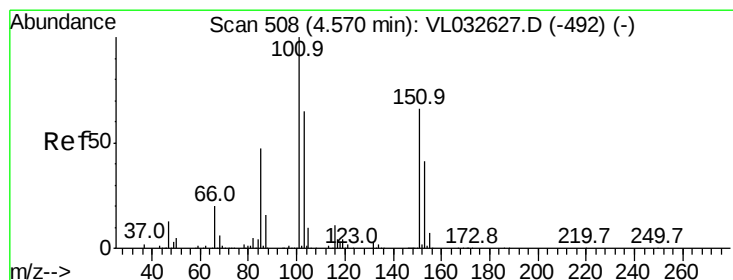
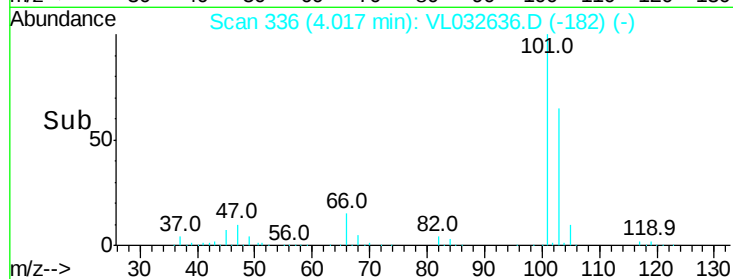
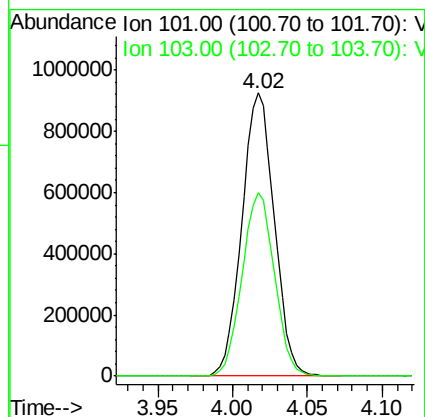
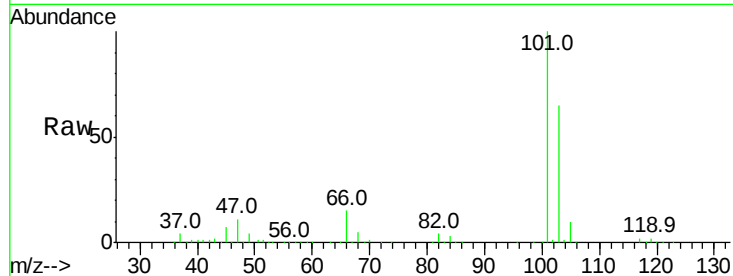




#11
 Trichlorofluoromethane
 Concen: 9.489 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

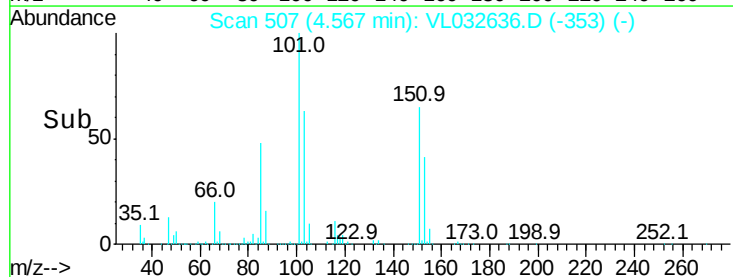
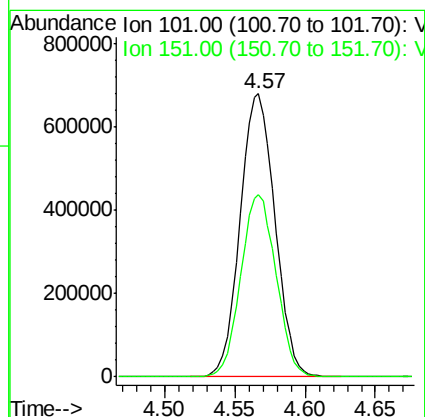
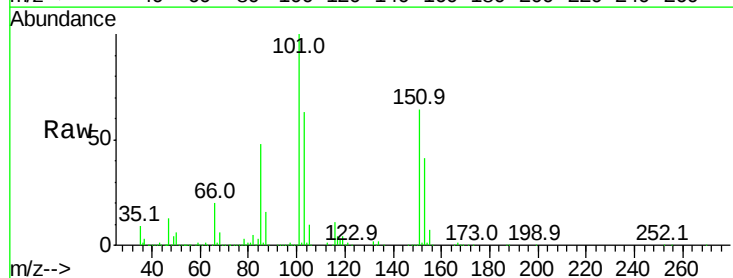
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

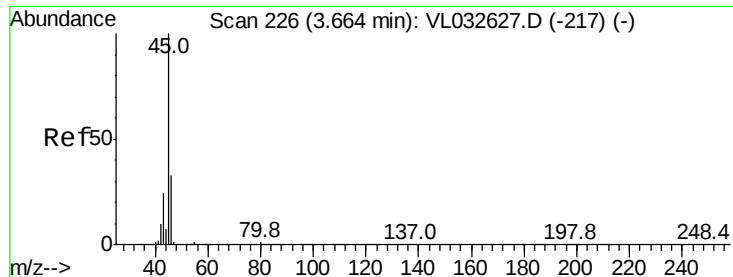
Tgt Ion:101 Resp: 1394696
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.957 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion:101 Resp: 1179152
 Ion Ratio Lower Upper
 101 100
 151 65.2 52.3 78.5





#13

Ethanol

Concen: 8.764 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

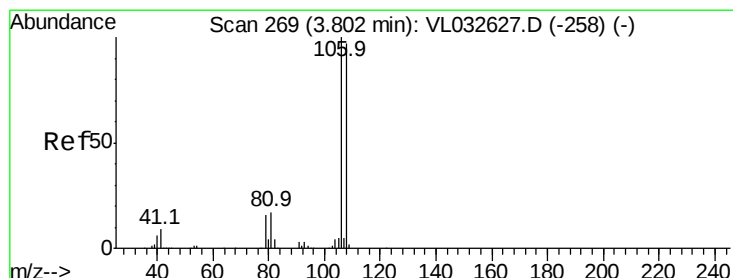
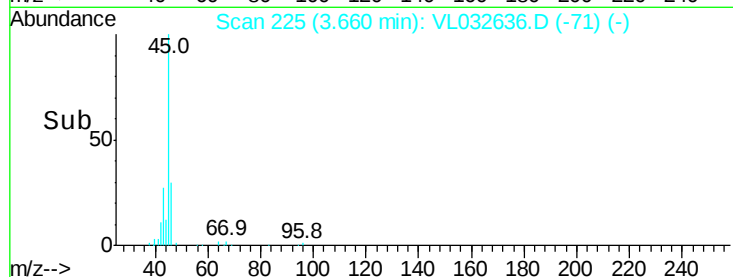
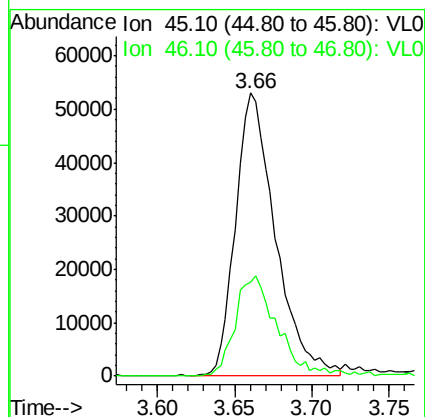
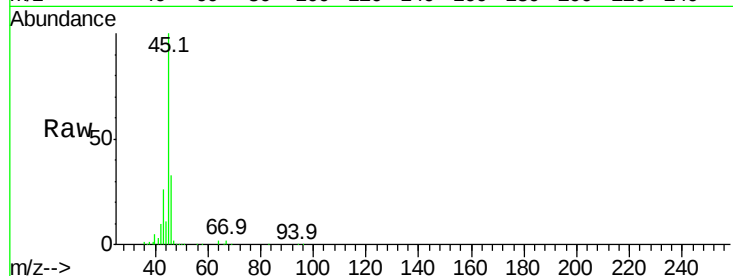
VL1017ABS01

Tgt Ion: 45 Resp: 95176

Ion Ratio Lower Upper

45 100

46 37.7 15.4 61.8



#14

Bromoethene

Concen: 10.379 ppbv

RT: 3.80 min Scan# 269

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

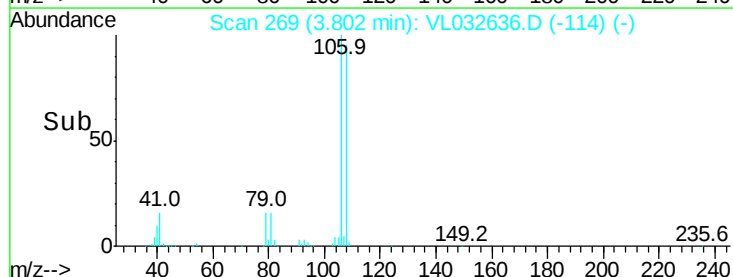
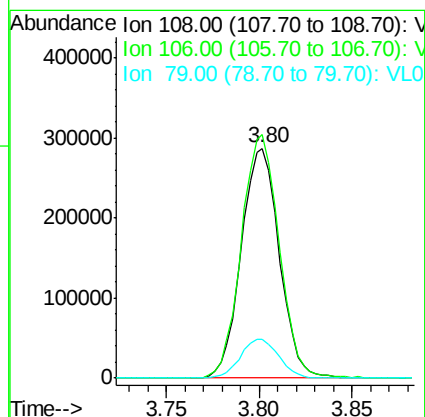
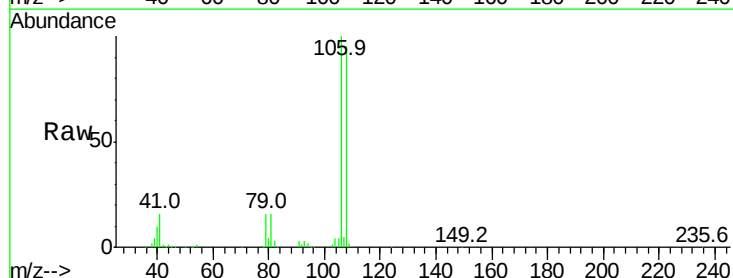
Tgt Ion: 108 Resp: 408641

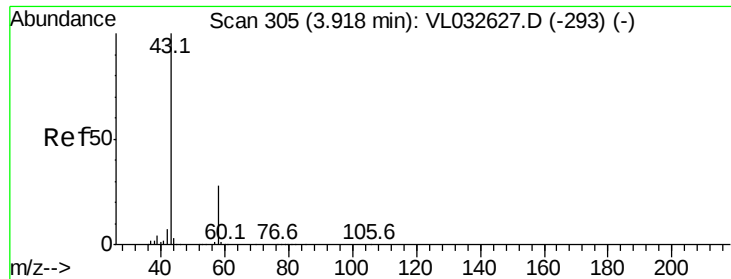
Ion Ratio Lower Upper

108 100

106 106.1 85.0 127.4

79 17.5 13.7 20.5





#15

Acetone

Concen: 9.455 ppbv

RT: 3.91 min Scan# 304

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

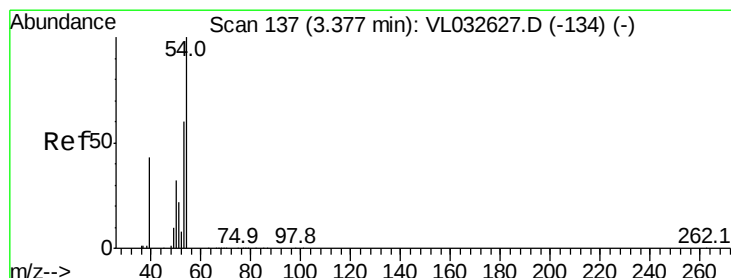
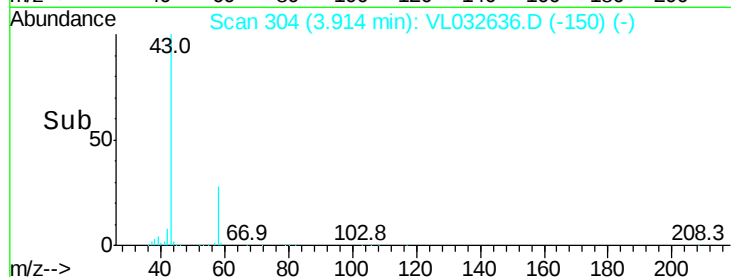
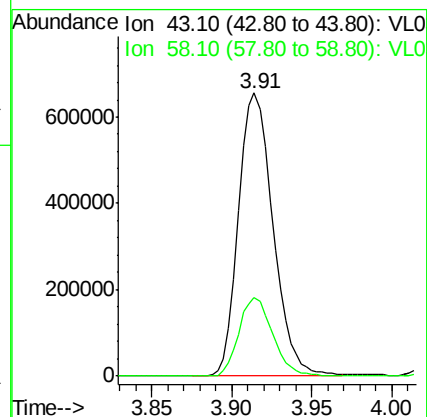
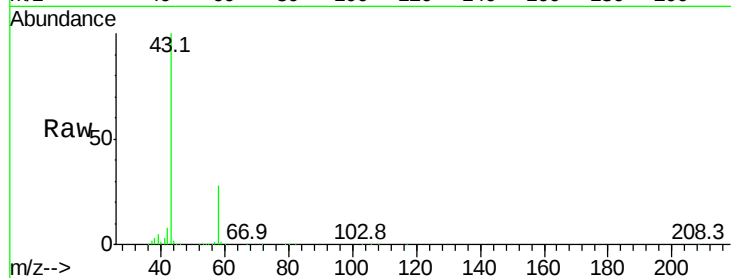
VL1017ABS01

Tgt Ion: 43 Resp: 962734

Ion Ratio Lower Upper

43 100

58 27.4 22.1 33.1



#16

1,3-Butadiene

Concen: 11.588 ppbv

RT: 3.37 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL032636.D

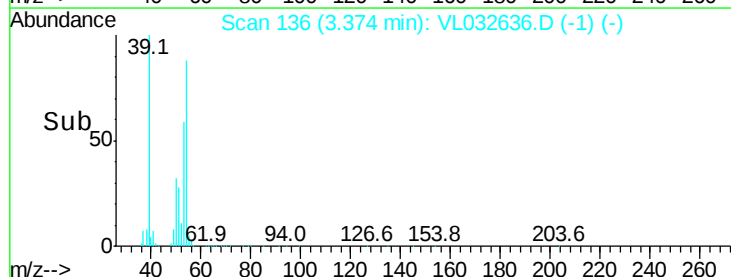
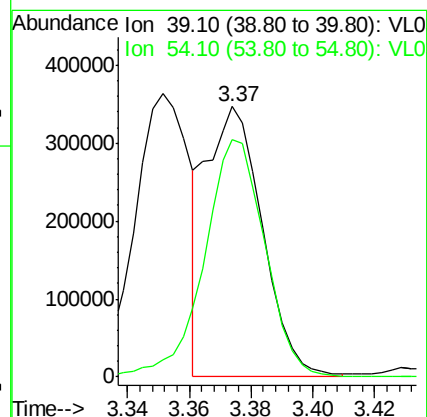
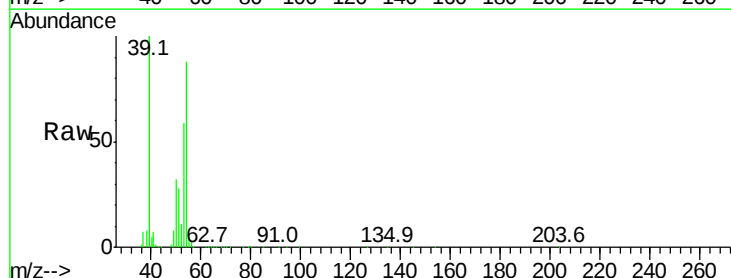
Acq: 17 Oct 2018 11:37

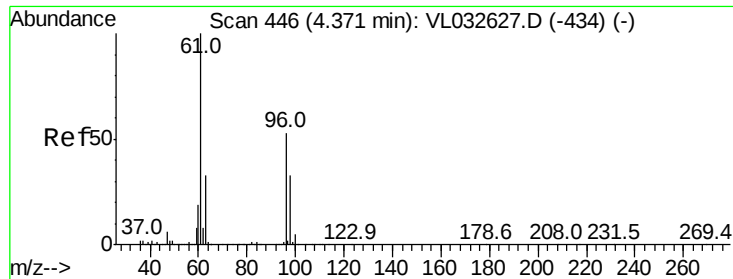
Tgt Ion: 39 Resp: 436905

Ion Ratio Lower Upper

39 100

54 95.8 90.4 135.6



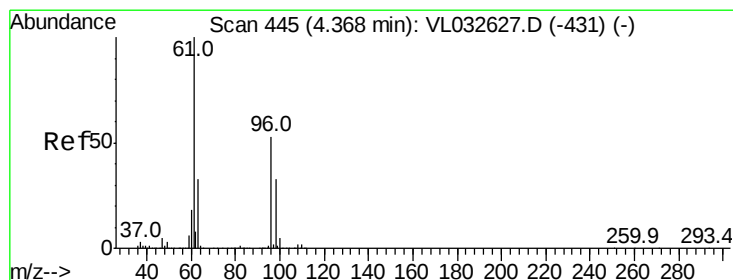
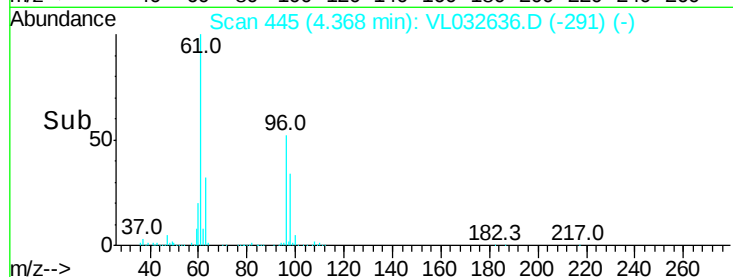
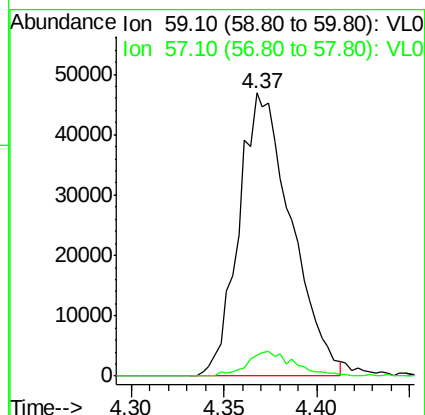
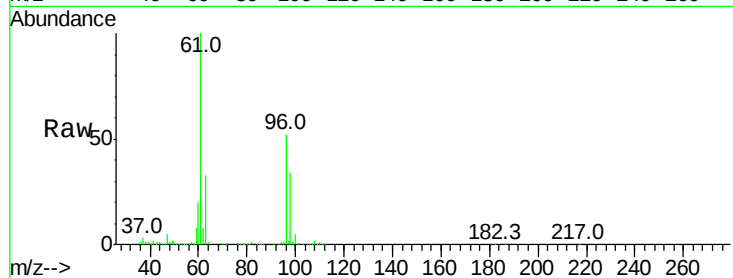


#17

tert-Butyl alcohol
Concen: 9.977 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

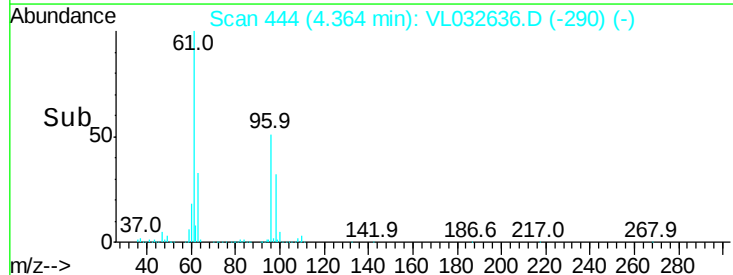
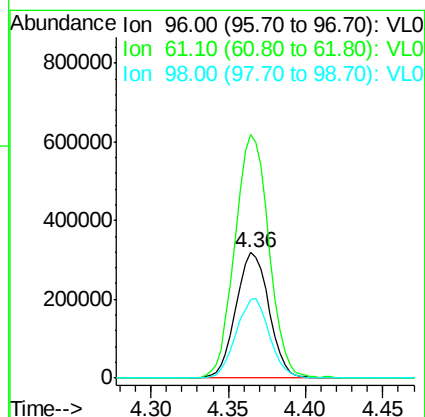
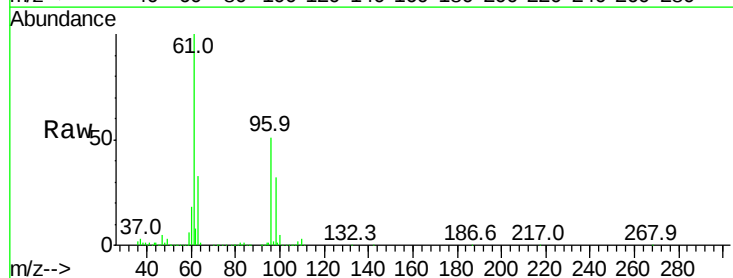
Tgt Ion: 59 Resp: 92713
Ion Ratio Lower Upper
59 100
57 7.9 0.0 0.0#

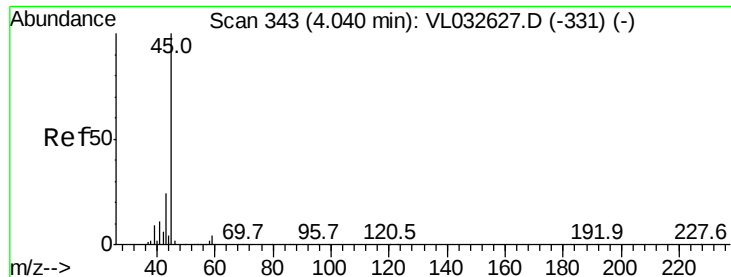


#18

1,1-Dichloroethene
Concen: 9.794 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 96 Resp: 475335
Ion Ratio Lower Upper
96 100
61 194.3 151.6 227.4
98 62.6 50.6 75.8





#19

Isopropyl Alcohol

Concen: 9.448 ppbv

RT: 4.04 min Scan# 342

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

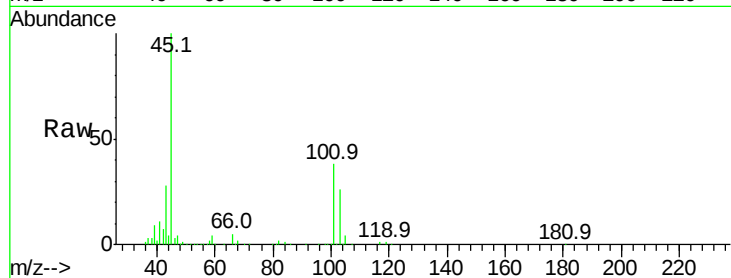
VL1017ABS01

Tgt Ion: 45 Resp: 679408

Ion Ratio Lower Upper

45 100

58 2.3 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

400000

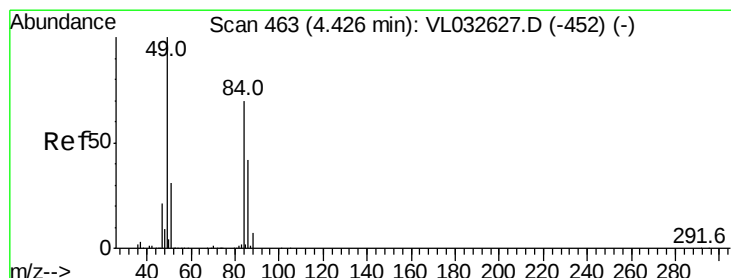
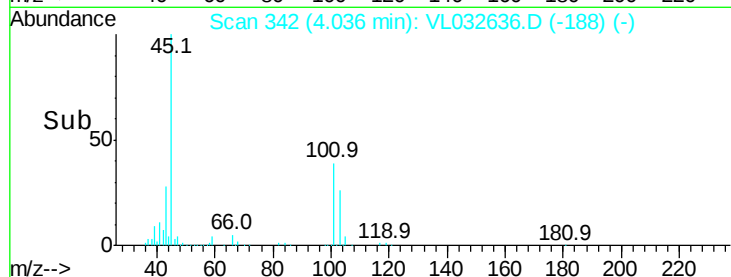
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.222 ppbv

RT: 4.42 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Tgt Ion: 84 Resp: 420628

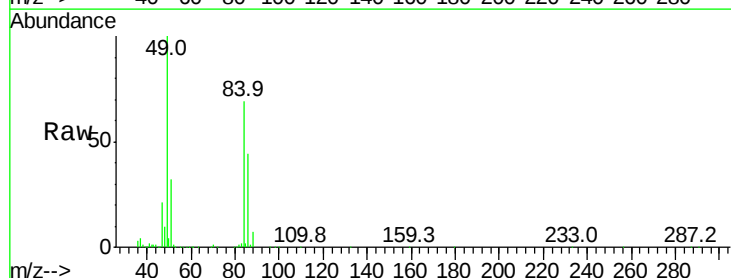
Ion Ratio Lower Upper

84 100

49 144.3 113.5 170.3

51 46.6 34.8 52.2

86 63.5 47.9 71.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

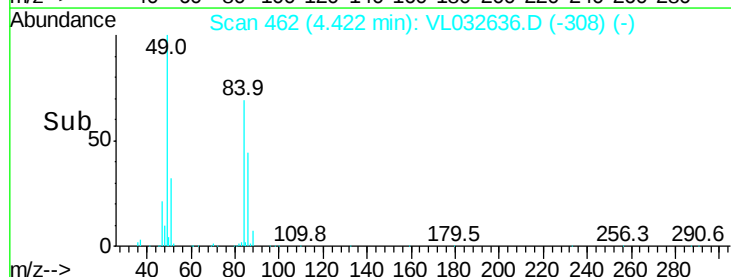
300000

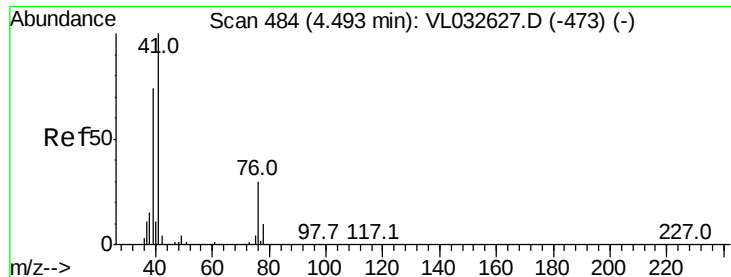
200000

100000

0

Time-->





#21

Allyl Chloride

Concen: 10.307 ppbv

RT: 4.49 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

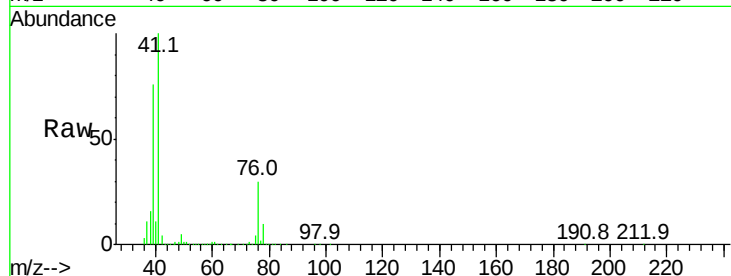
Tgt Ion: 41 Resp: 787571

Ion Ratio Lower Upper

41 100

76 31.1 24.3 36.5

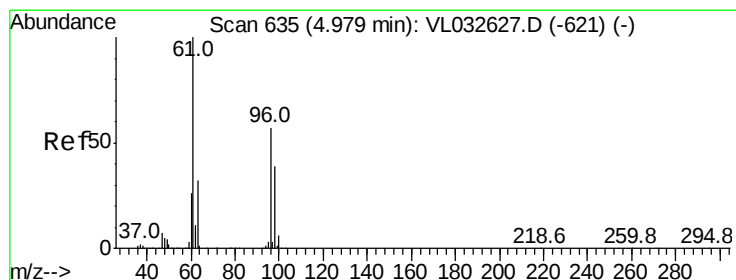
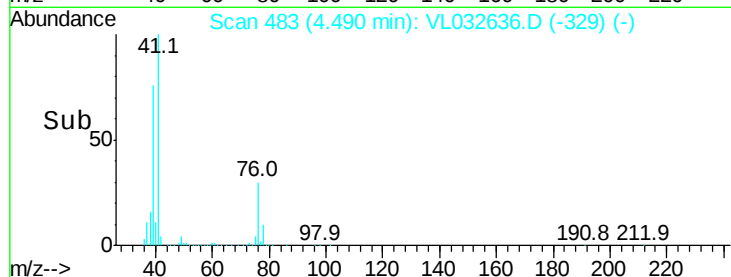
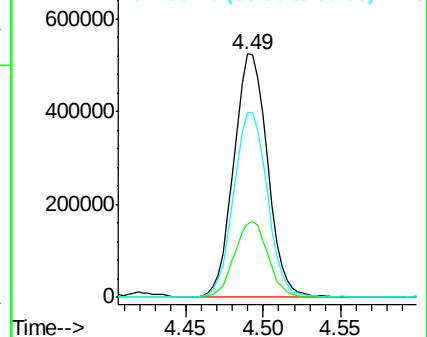
39 77.0 60.3 90.5



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: 9.308 ppbv

RT: 4.98 min Scan# 636

Delta R.T. 0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

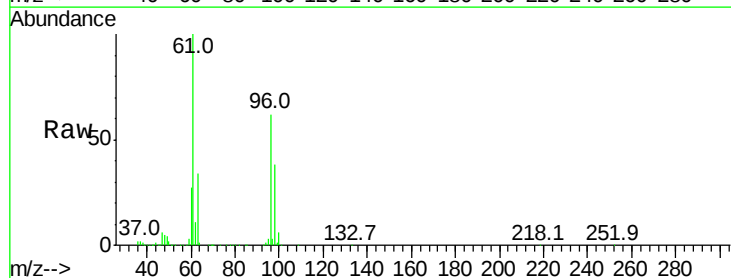
Tgt Ion: 96 Resp: 521872

Ion Ratio Lower Upper

96 100

61 161.6 140.4 210.6

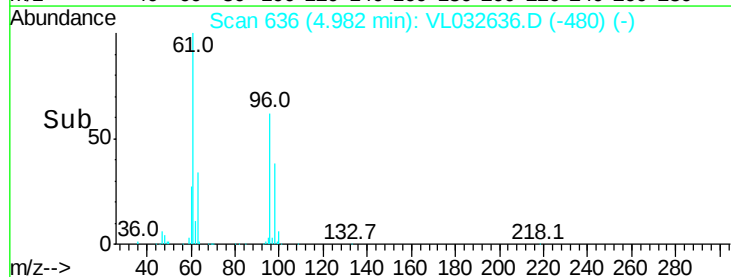
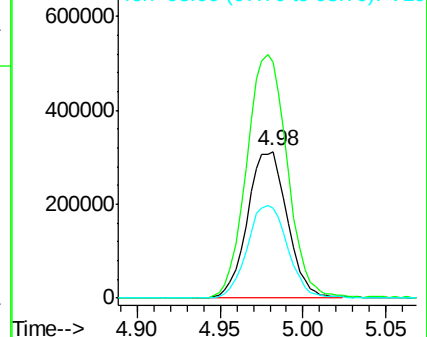
98 61.5 55.0 82.6

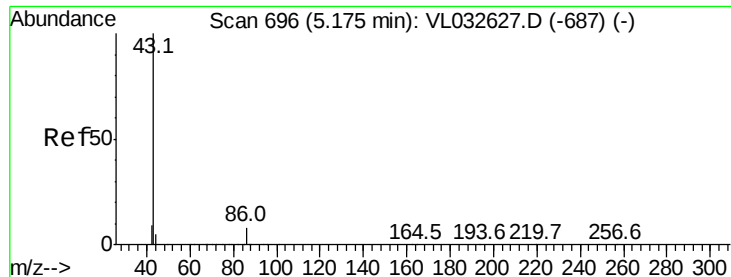


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.100 ppbv

RT: 5.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

Tgt Ion: 43 Resp: 1798078

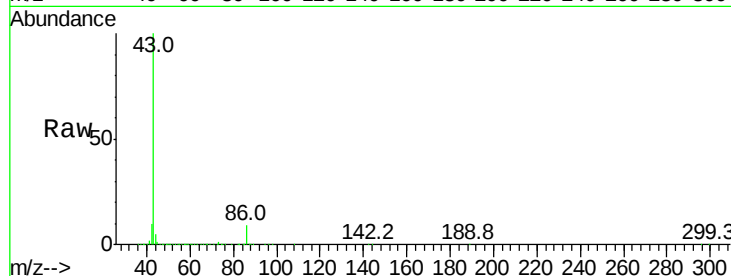
Ion Ratio Lower Upper

43 100

86 8.8 6.1 9.1

42 10.1 7.4 11.2

44 5.3 4.2 6.2

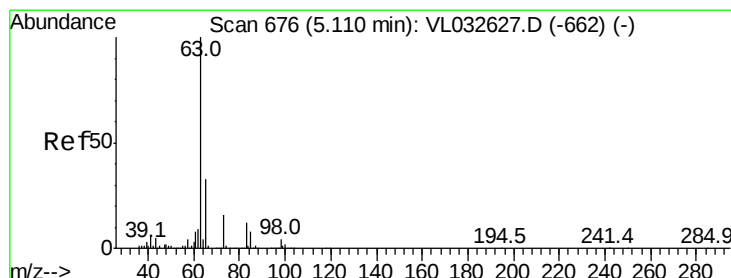
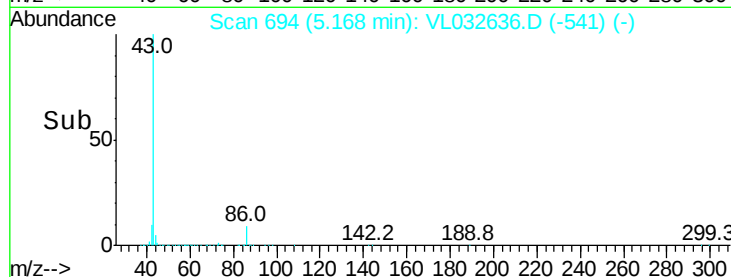
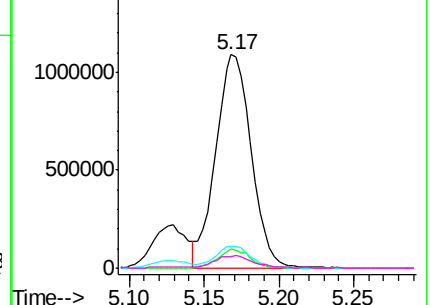


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.042 ppbv

RT: 5.10 min Scan# 674

Delta R.T. -0.01 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

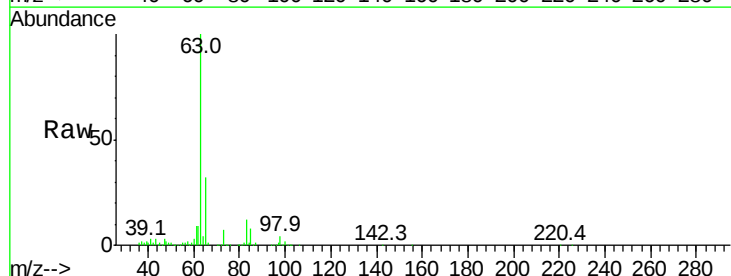
Tgt Ion: 63 Resp: 1508145

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.3

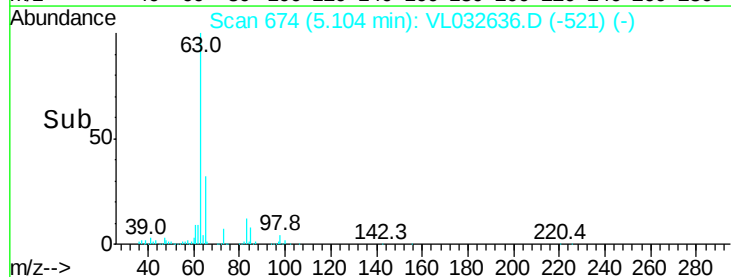
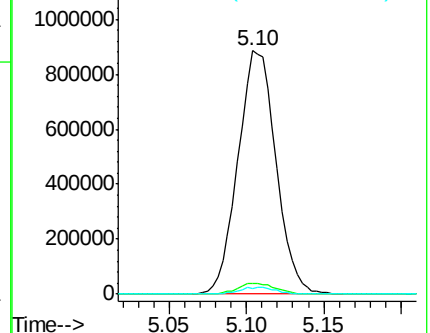
100 2.4 1.2 3.6

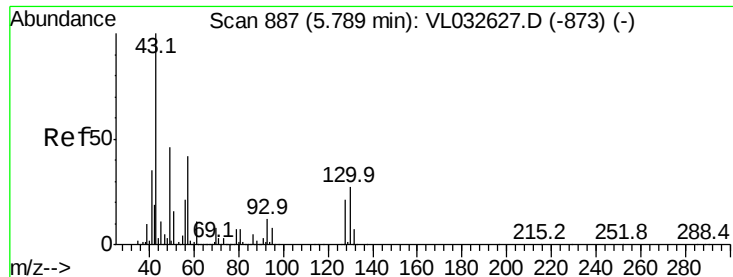


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

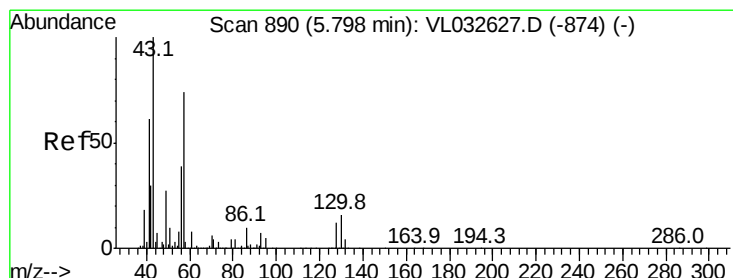
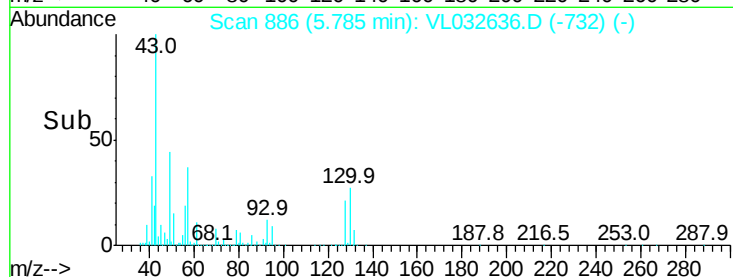
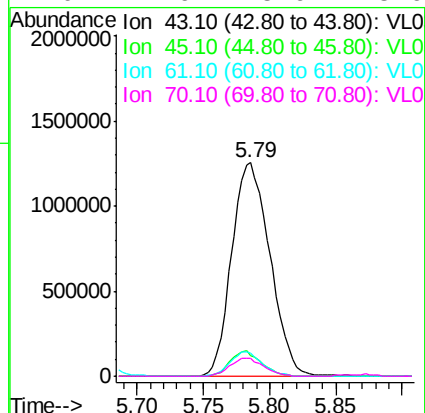
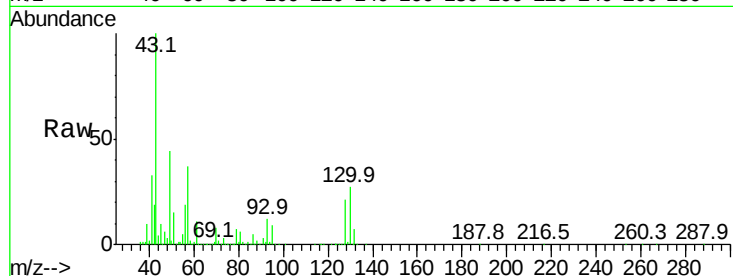




#25
Ethyl Acetate
Concen: 10.404 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

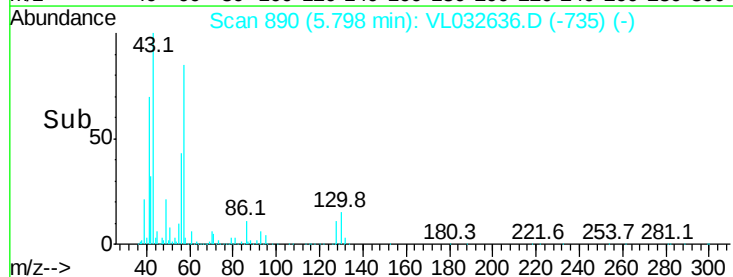
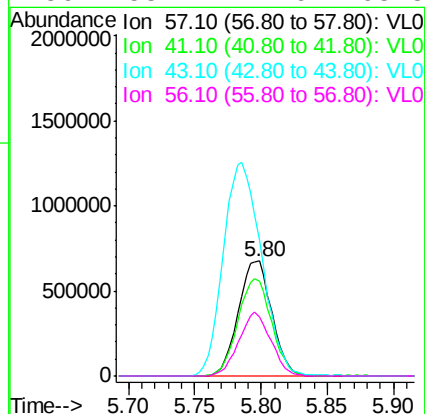
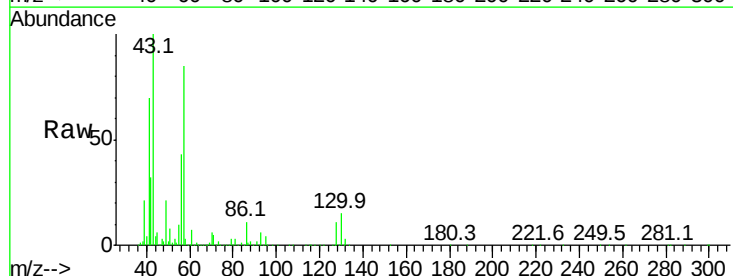
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

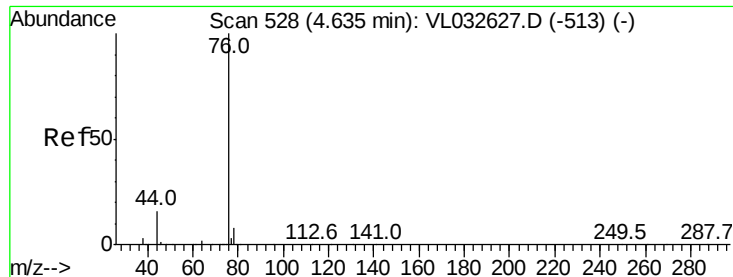
Tgt Ion:	43	Resp:	2506608
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.6	8.0	12.0
70	7.6	5.9	8.9



#26
Hexane
Concen: 10.876 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:	57	Resp:	1180276
Ion	Ratio	Lower	Upper
57	100		
41	85.9	67.4	101.0
43	213.8	171.9	257.9
56	53.4	42.6	63.8





#27

Carbon Disulfide

Concen: 10.383 ppbv

RT: 4.63 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

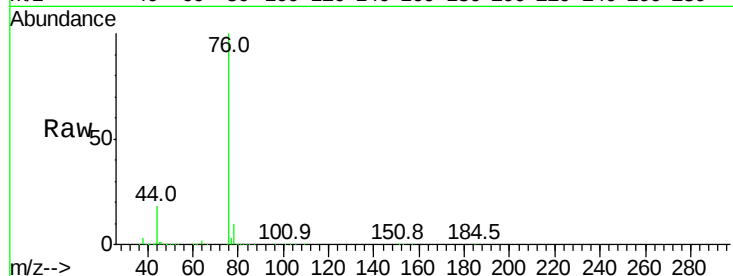
Tgt Ion: 76 Resp: 1361612

Ion Ratio Lower Upper

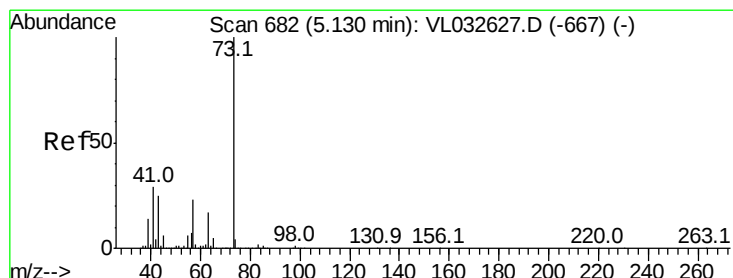
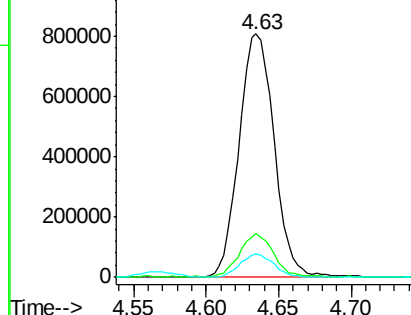
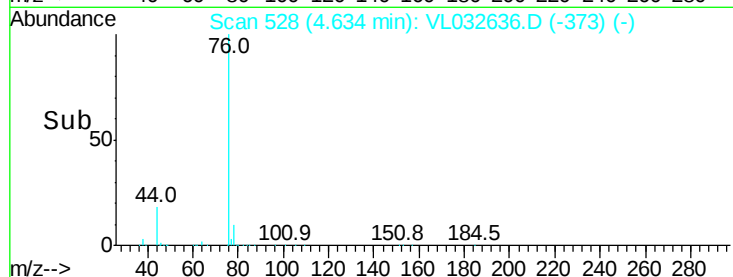
76 100

44 17.4 13.7 20.5

78 9.2 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: 11.116 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.00 min

Lab File: VL032636.D

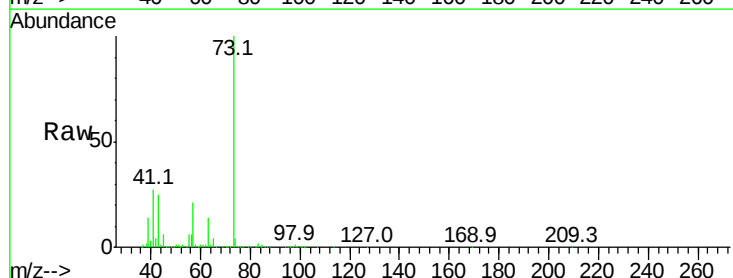
Acq: 17 Oct 2018 11:37

Tgt Ion: 73 Resp: 1515944

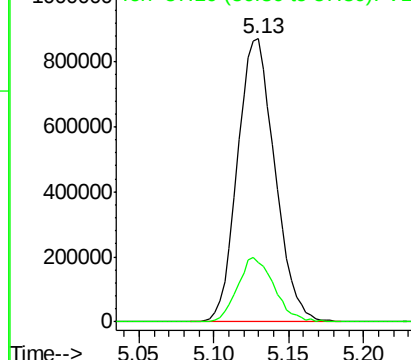
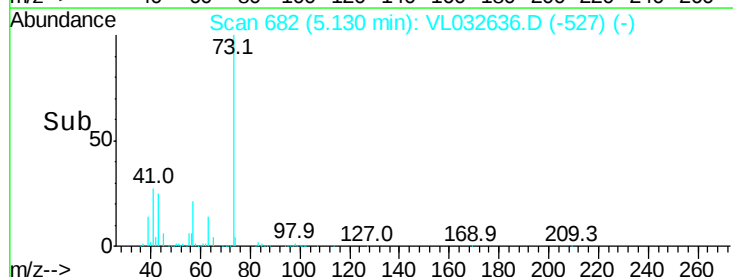
Ion Ratio Lower Upper

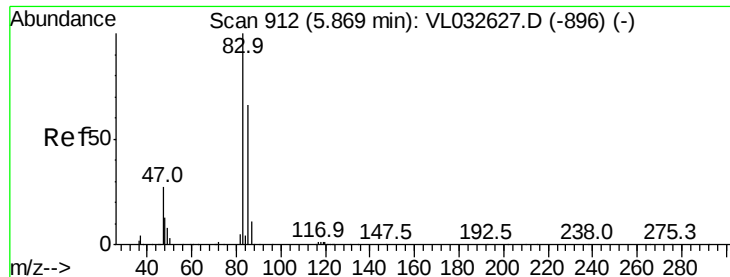
73 100

57 22.6 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: 10.271 ppbv

RT: 5.87 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

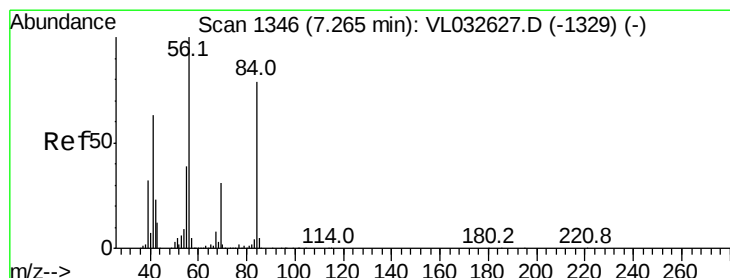
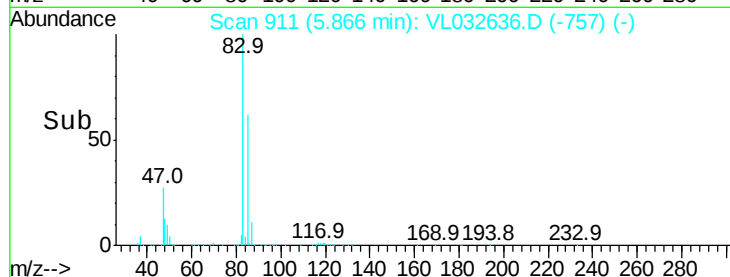
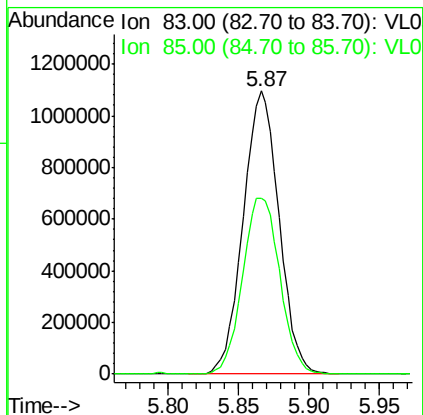
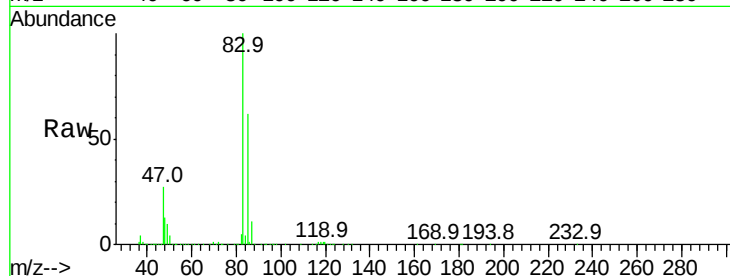
VL1017ABS01

Tgt Ion: 83 Resp: 1953519

Ion Ratio Lower Upper

83 100

85 61.9 53.0 79.6



#30

Cyclohexane

Concen: 11.474 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

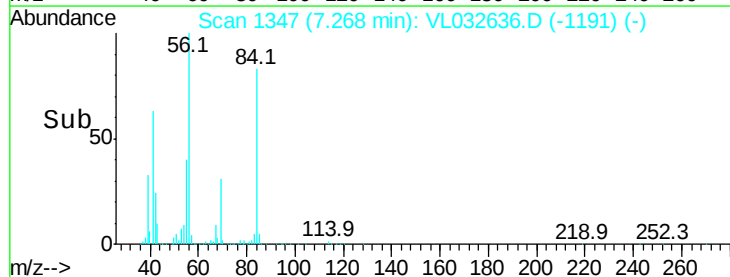
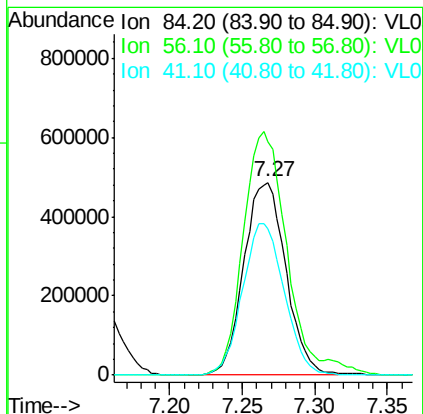
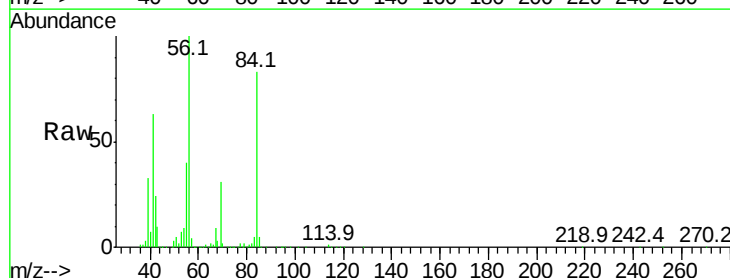
Tgt Ion: 84 Resp: 981954

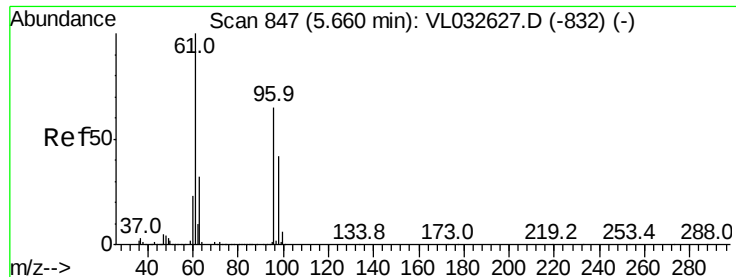
Ion Ratio Lower Upper

84 100

56 132.1 108.3 162.5

41 78.4 64.8 97.2



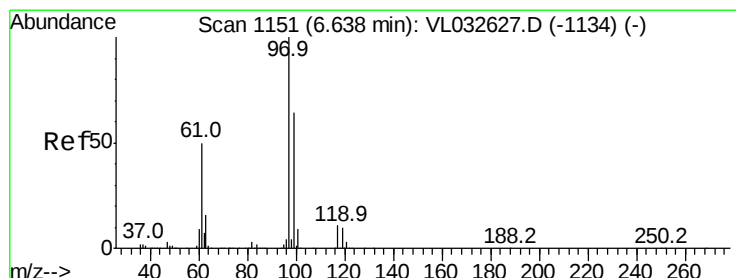
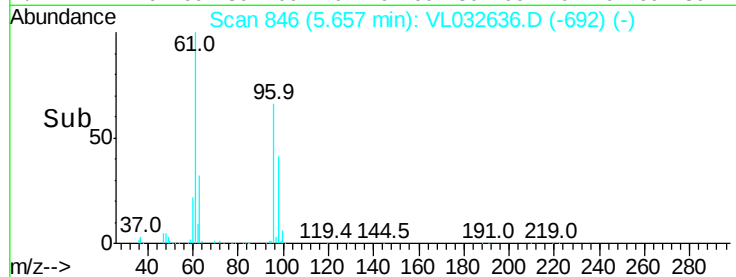
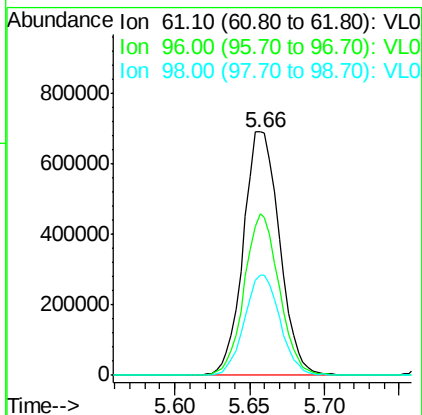
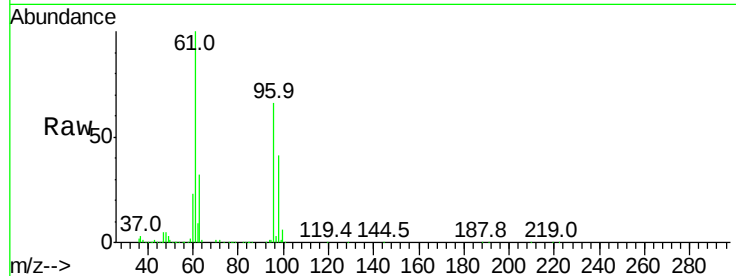


#31

cis-1,2-Dichloroethene
 Concen: 11.217 ppbv
 RT: 5.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

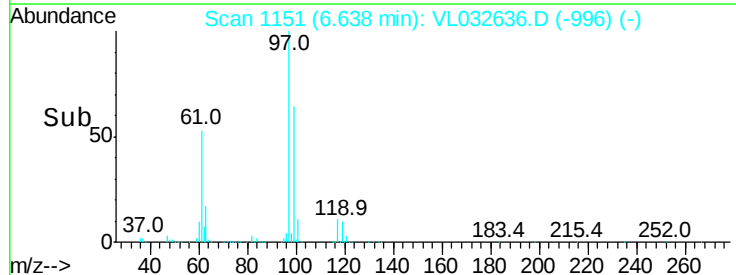
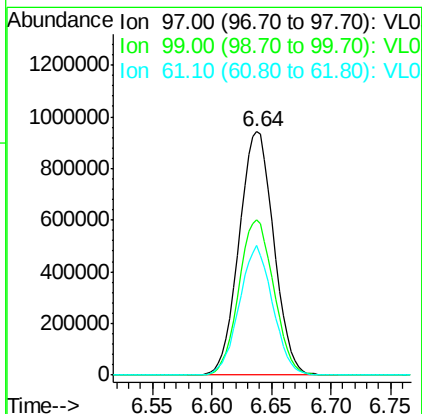
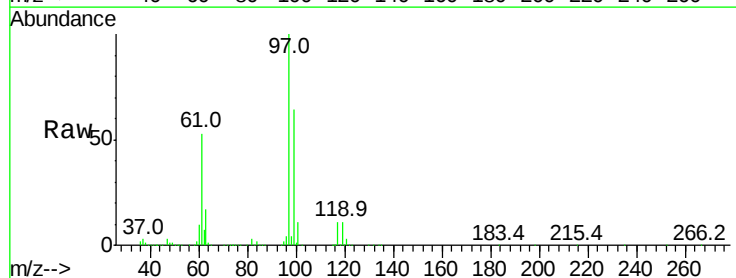
Tgt Ion: 61 Resp: 1169398
 Ion Ratio Lower Upper
 61 100
 96 66.2 51.8 77.6
 98 41.1 33.8 50.6

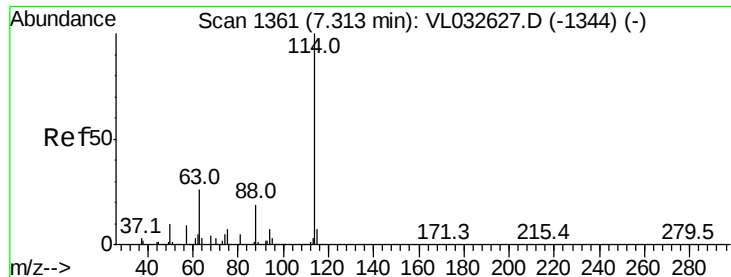


#32

1,1,1-Trichloroethane
 Concen: 10.045 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion: 97 Resp: 1906159
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.0 78.0
 61 51.2 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

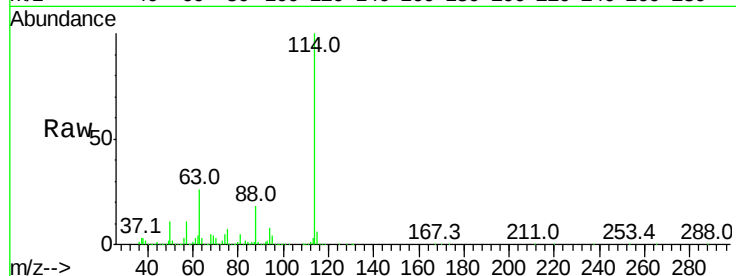
Tgt Ion:114 Resp: 2574078

Ion Ratio Lower Upper

114 100

63 27.2 21.7 32.5

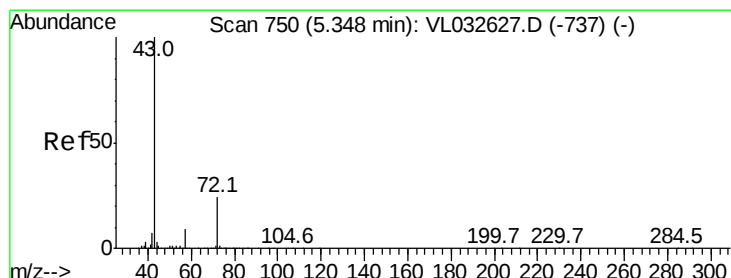
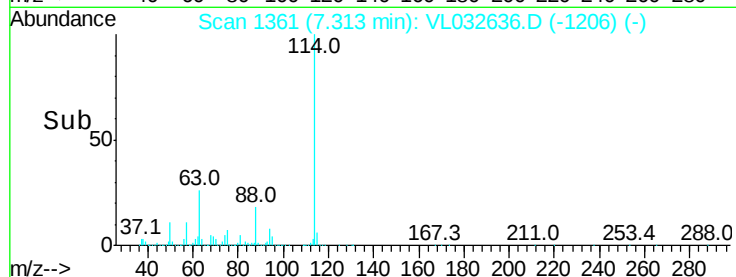
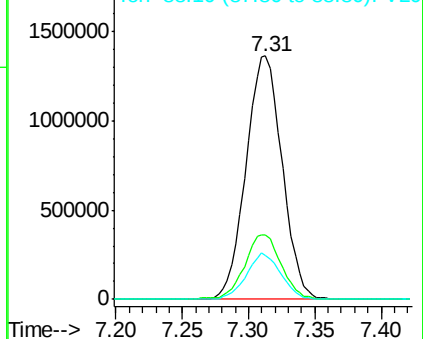
88 18.1 14.9 22.3



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: 10.589 ppbv

RT: 5.34 min Scan# 748

Delta R.T. -0.01 min

Lab File: VL032636.D

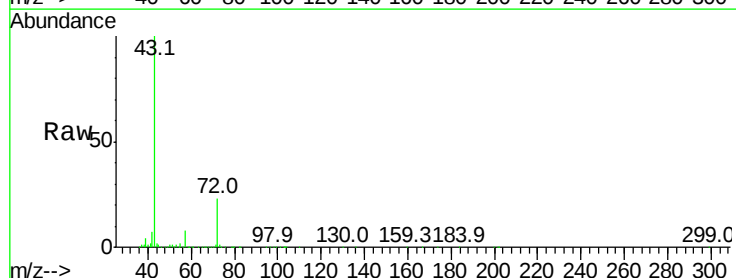
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 1512828

Ion Ratio Lower Upper

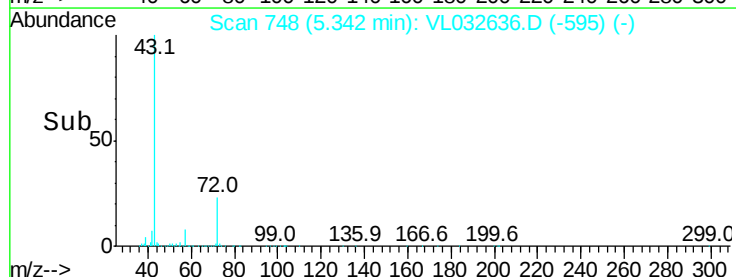
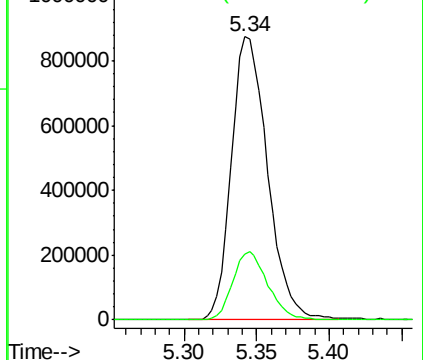
43 100

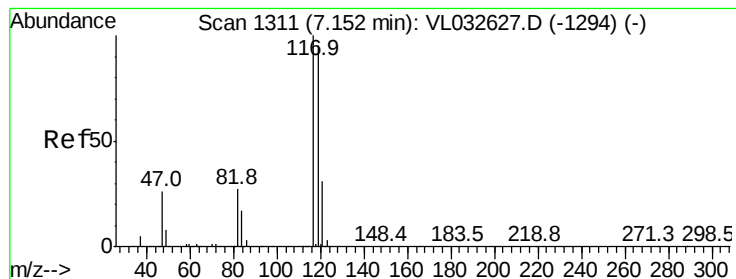
72 23.5 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.098 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

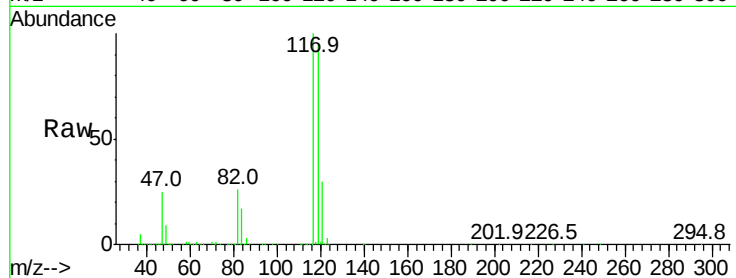
Tgt Ion:117 Resp: 2014379

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5

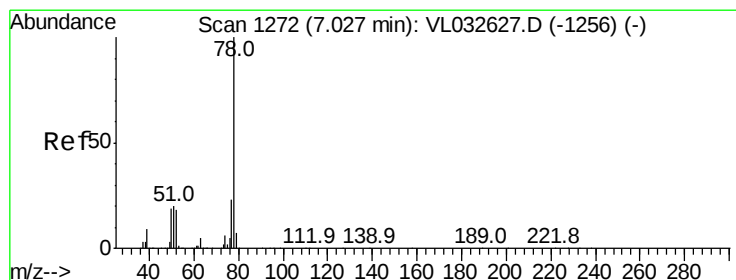
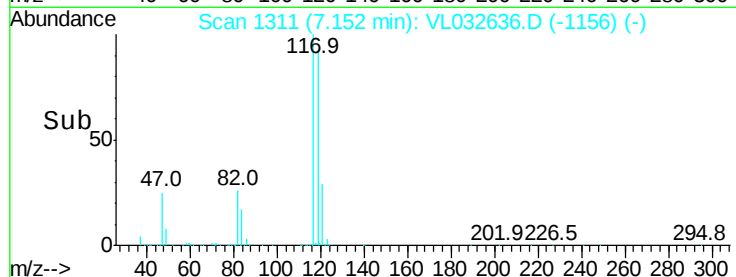
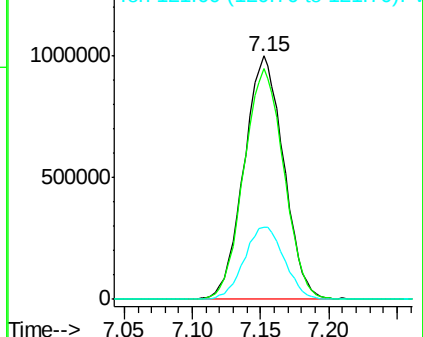
121 29.8 24.7 37.1



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: 11.188 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

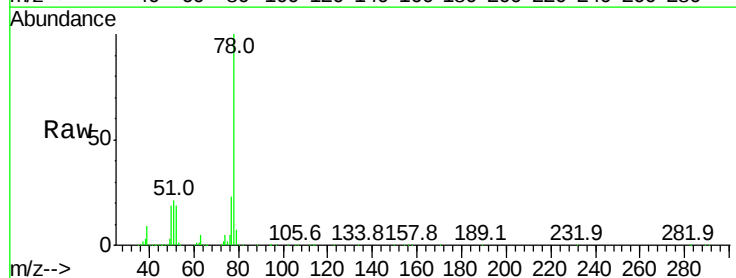
Tgt Ion: 78 Resp: 2334288

Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

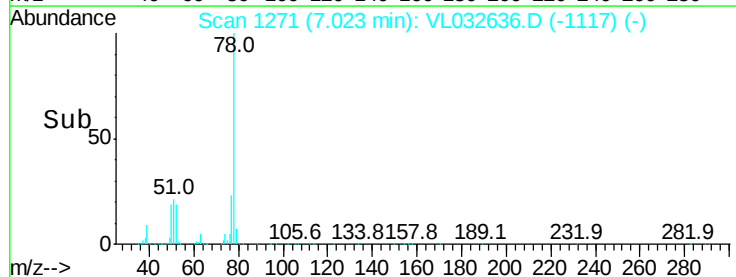
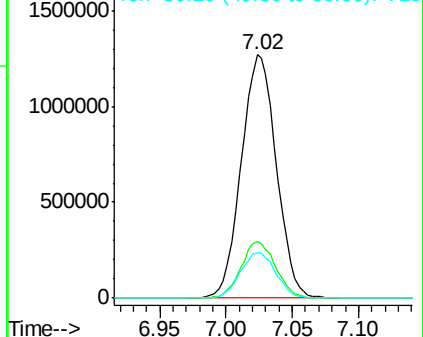
50 18.6 15.1 22.7

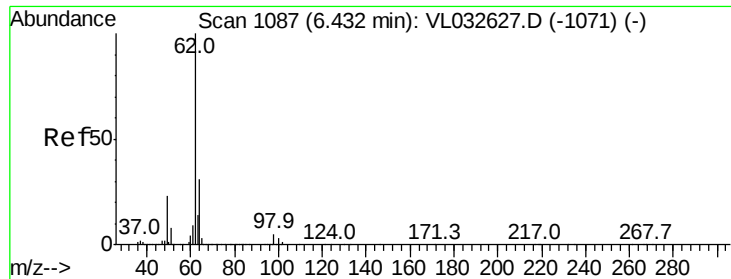


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

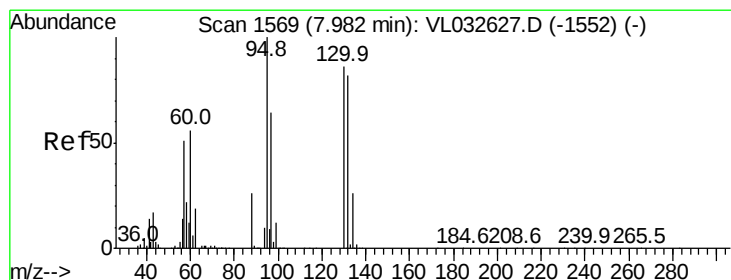
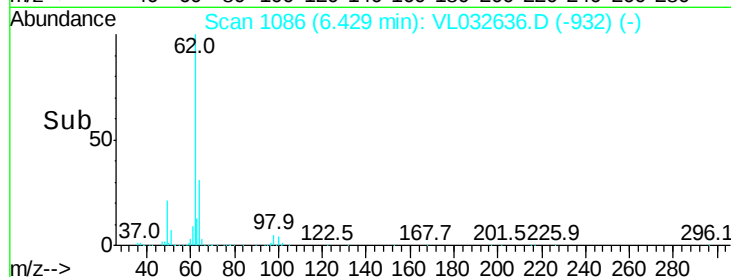
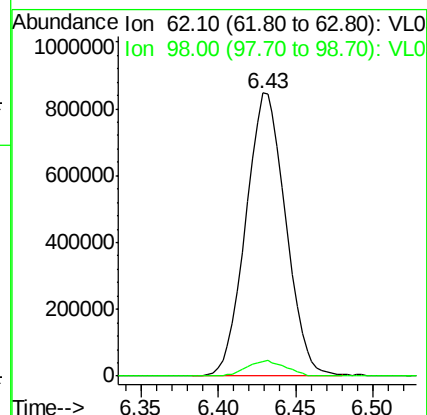
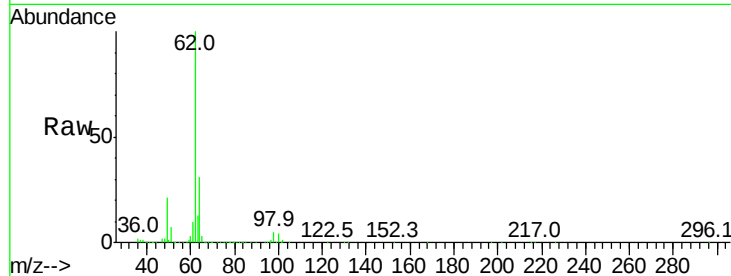




#37
1,2-Dichloroethane
Concen: 10.648 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

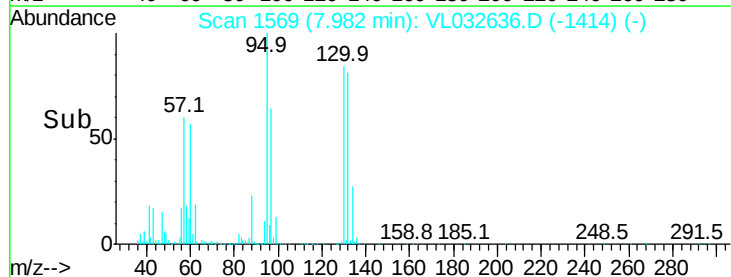
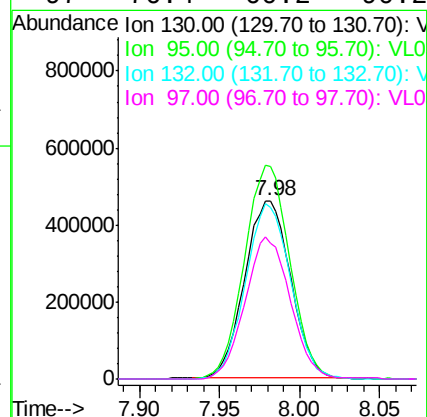
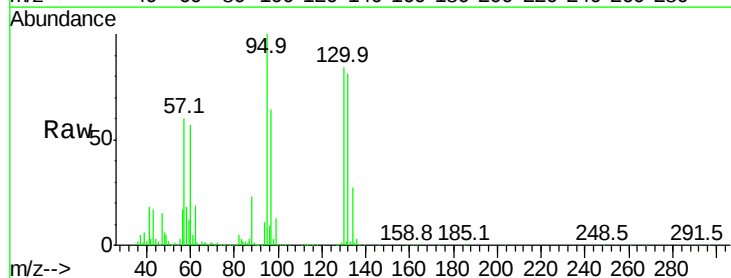
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

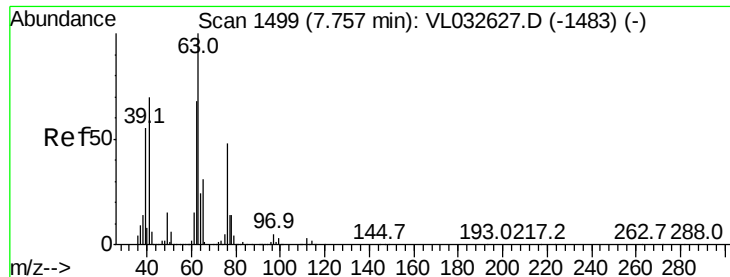
Tgt Ion: 62 Resp: 1523635
Ion Ratio Lower Upper
62 100
98 5.4 4.4 6.6



#38
Trichloroethene
Concen: 11.491 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 130 Resp: 901487
Ion Ratio Lower Upper
130 100
95 120.0 93.4 140.0
132 96.8 76.5 114.7
97 76.4 60.2 90.2





#39

1,2-Dichloropropane

Concen: 10.864 ppbv

RT: 7.76 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

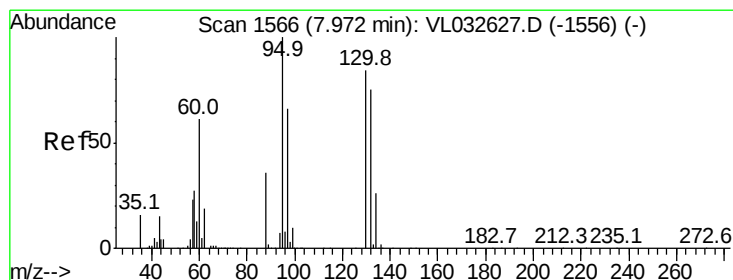
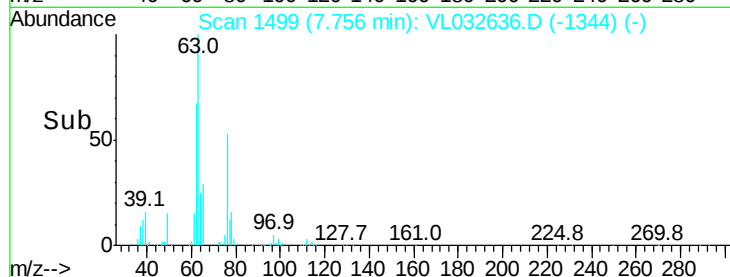
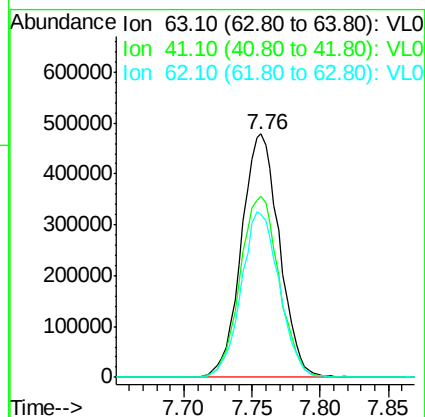
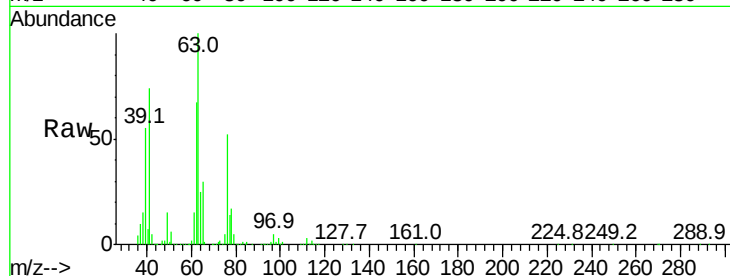
Tgt Ion: 63 Resp: 922078

Ion Ratio Lower Upper

63 100

41 74.1 56.2 84.4

62 67.0 54.4 81.6



#40

1,4-Dioxane

Concen: 10.422 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Tgt Ion: 88 Resp: 305610

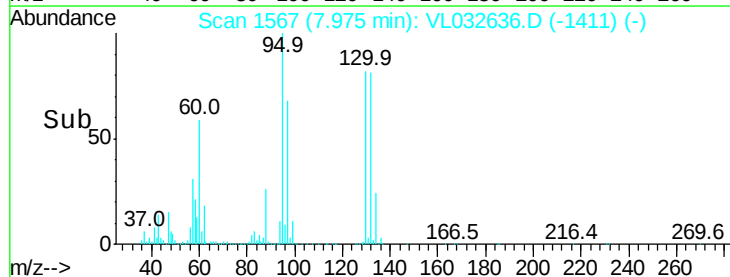
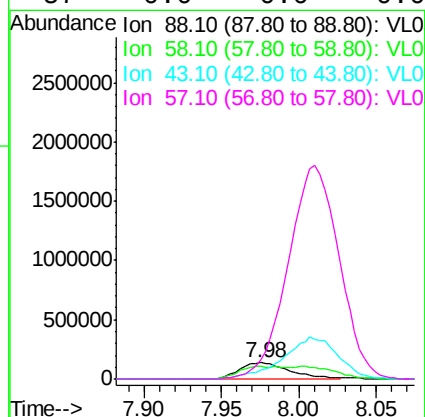
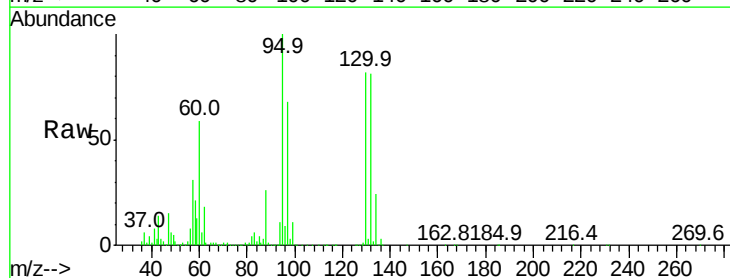
Ion Ratio Lower Upper

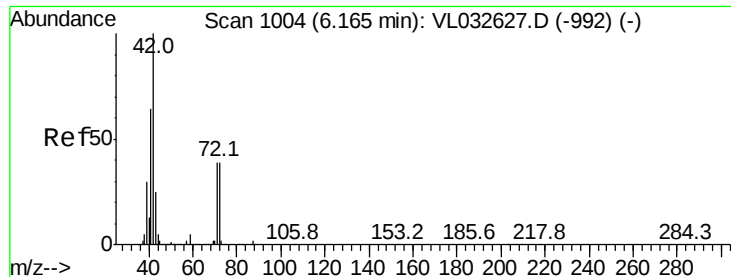
88 100

58 0.0 104.0 156.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.128 ppbv

RT: 6.16 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

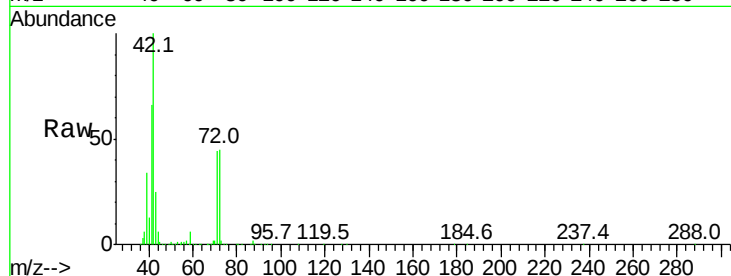
Tgt Ion: 42 Resp: 843499

Ion Ratio Lower Upper

42 100

72 42.5 32.4 48.6

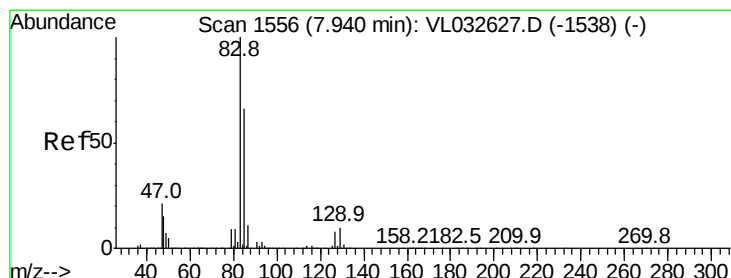
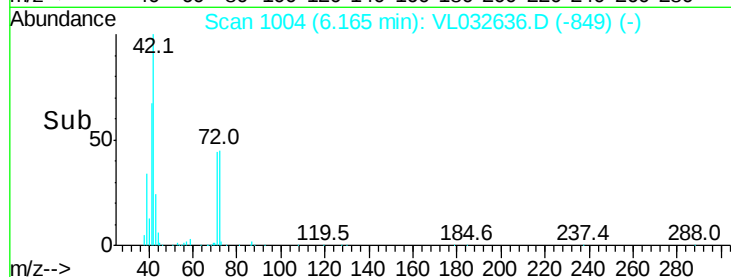
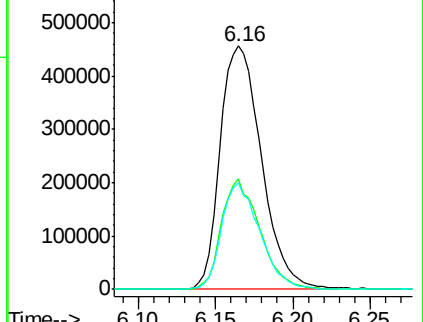
71 40.7 31.3 46.9



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: 10.963 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

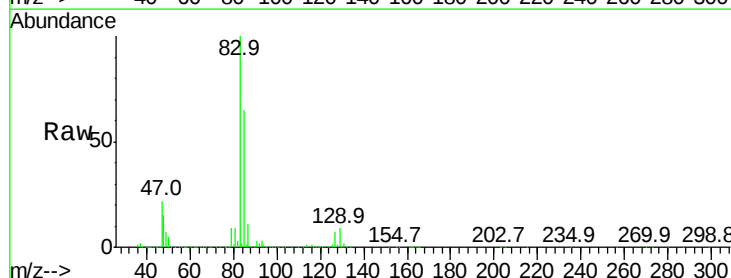
Tgt Ion: 83 Resp: 2138404

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6

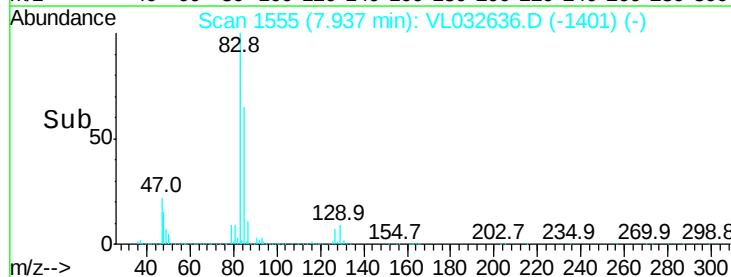
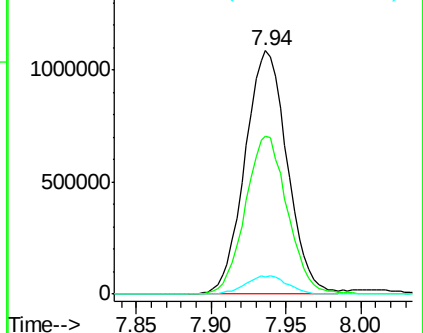
127 6.9 6.1 9.1

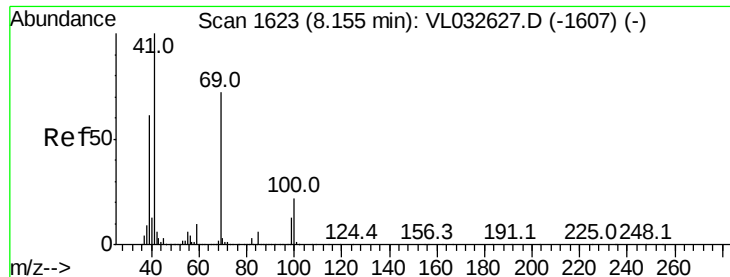


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

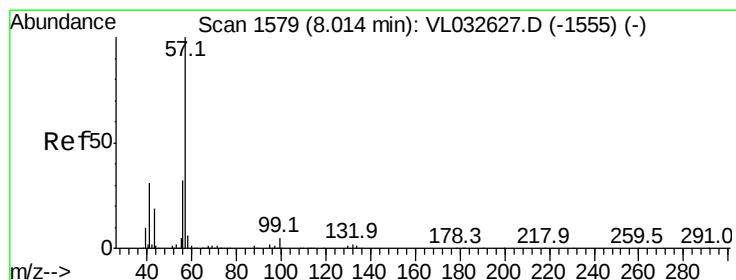
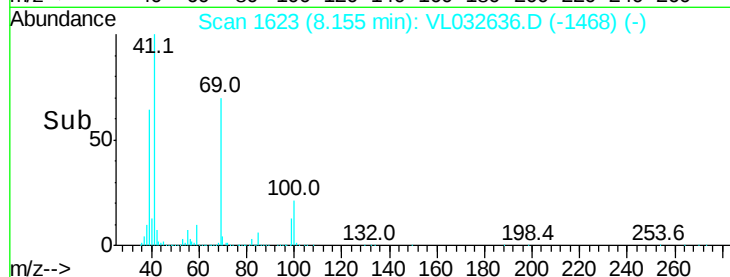
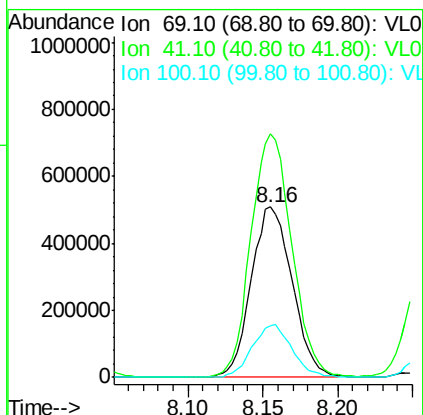
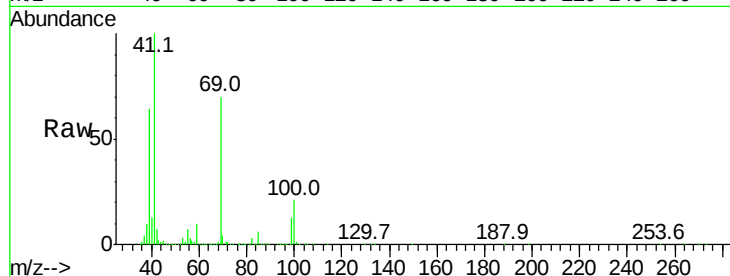




#43
Methyl Methacrylate
Concen: 11.990 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

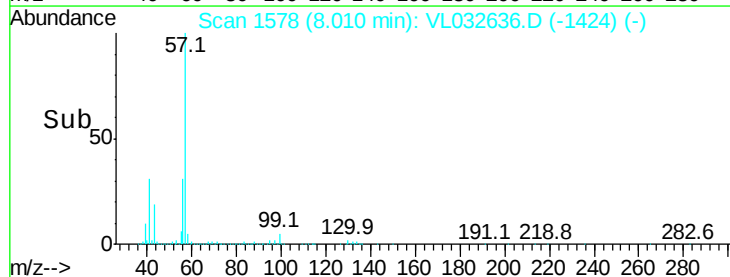
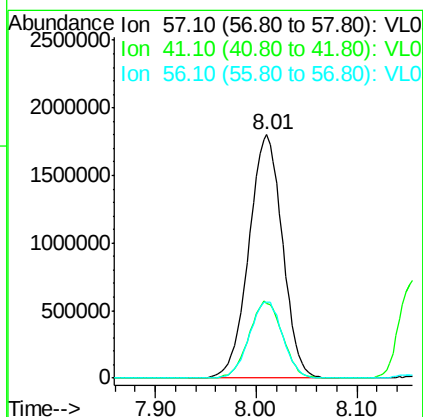
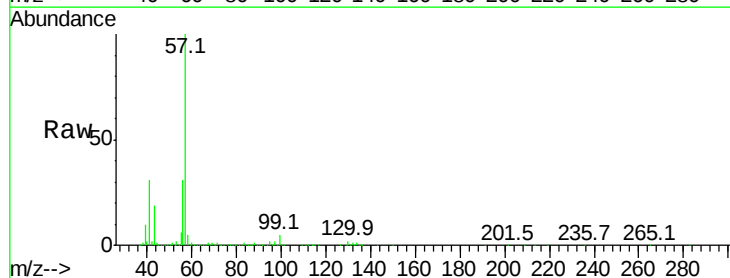
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

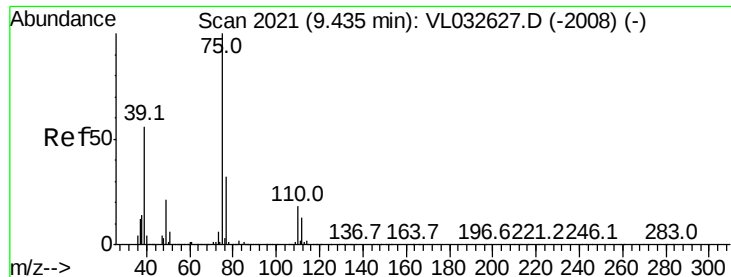
Tgt Ion: 69 Resp: 969996
Ion Ratio Lower Upper
69 100
41 142.3 113.2 169.8
100 30.1 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 11.222 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion: 57 Resp: 4150849
Ion Ratio Lower Upper
57 100
41 31.4 24.7 37.1
56 31.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.966 ppbv

RT: 9.43 min Scan# 2021

Delta R.T. -0.00 min

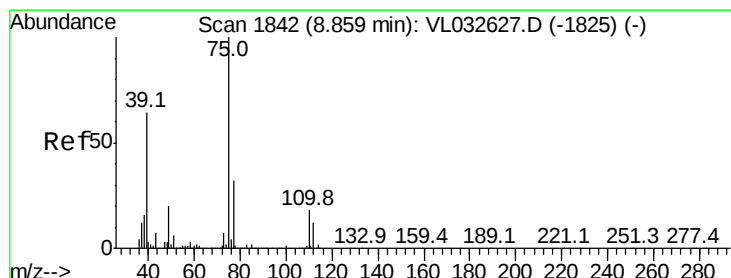
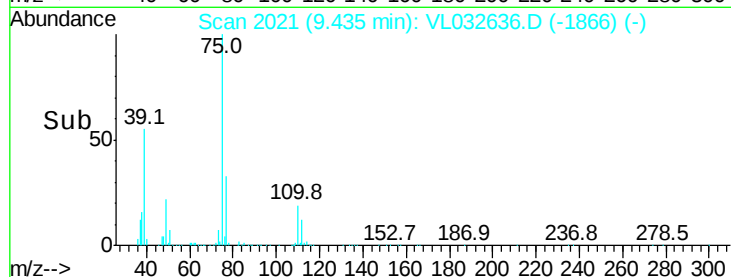
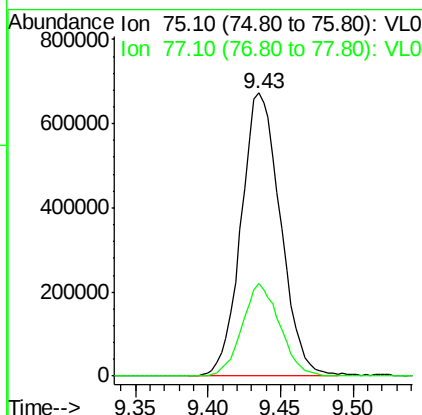
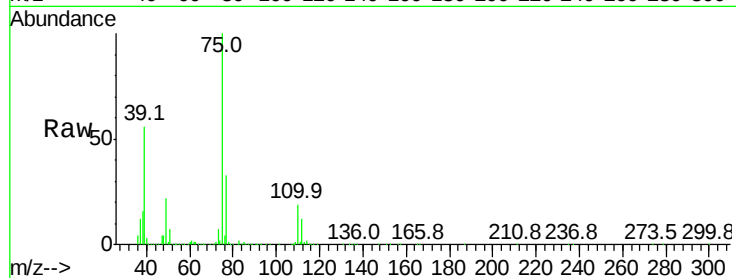
Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 75 Resp: 1265770

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.3	37.9



#46

cis-1,3-Dichloropropene

Concen: 12.446 ppbv

RT: 8.86 min Scan# 1841

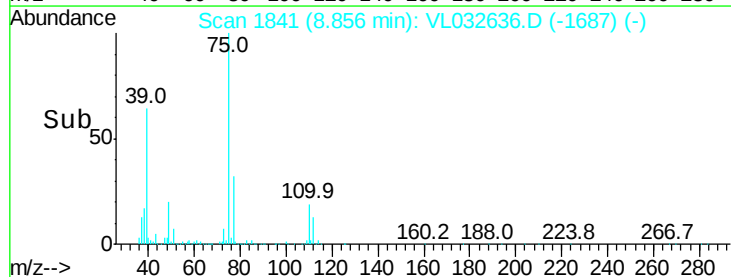
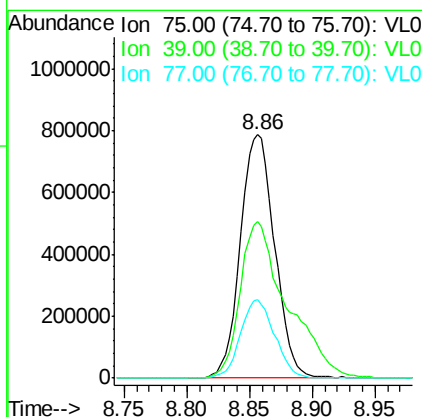
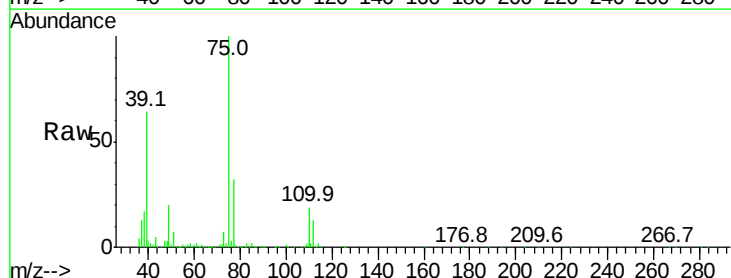
Delta R.T. -0.00 min

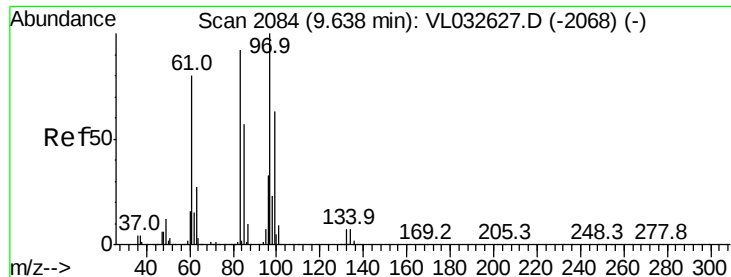
Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Tgt Ion: 75 Resp: 1498772

Ion	Ratio	Lower	Upper
75	100		
39	64.3	50.9	76.3
77	32.1	25.8	38.6





#47

1,1,2-Trichloroethane

Concen: 10.166 ppbv

RT: 9.64 min Scan# 2084

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

Tgt Ion: 97 Resp: 1031162

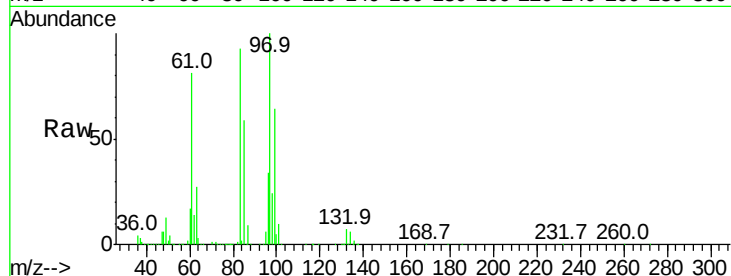
Ion Ratio Lower Upper

97 100

83 93.2 73.5 110.3

85 58.5 45.8 68.6

99 64.5 50.6 75.8

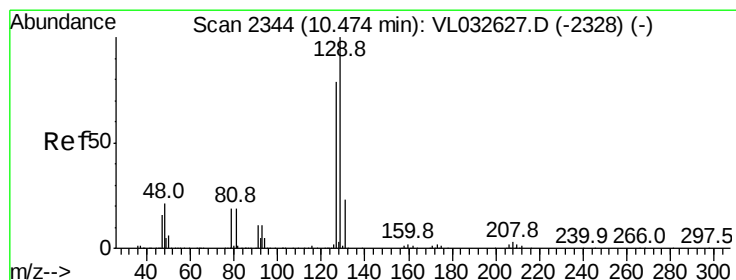
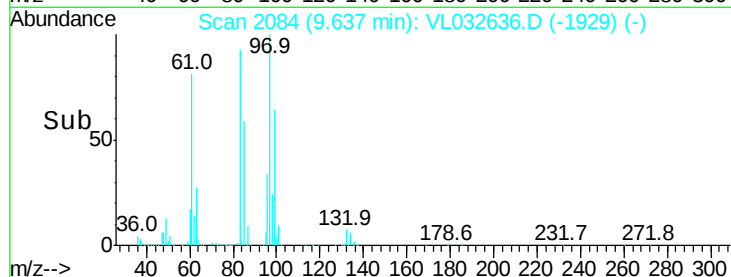
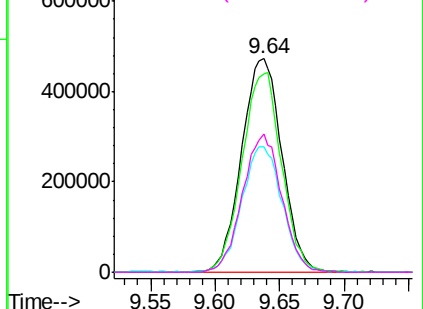


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.127 ppbv

RT: 10.47 min Scan# 2343

Delta R.T. -0.00 min

Lab File: VL032636.D

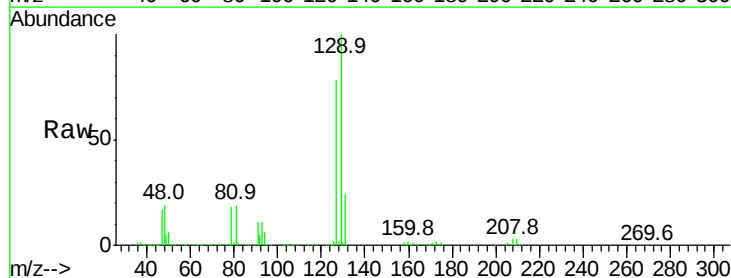
Acq: 17 Oct 2018 11:37

Tgt Ion: 129 Resp: 1916828

Ion Ratio Lower Upper

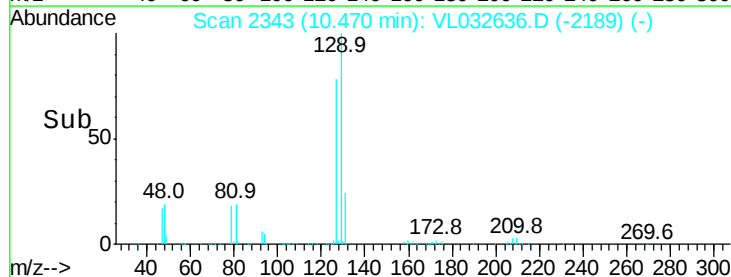
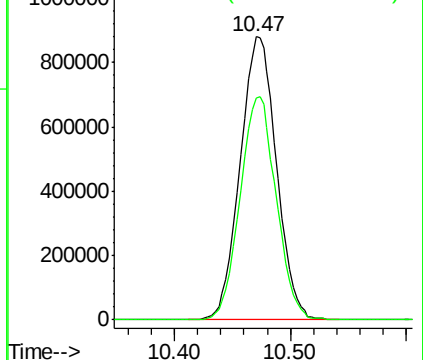
129 100

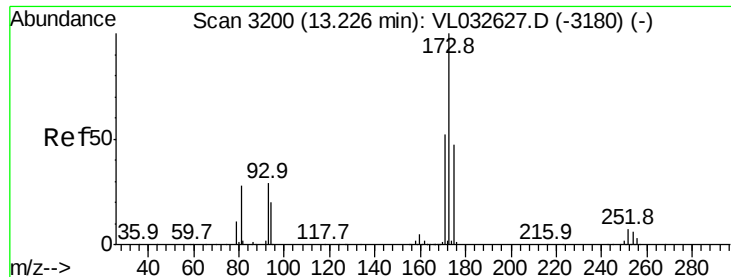
127 78.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.331 ppbv

RT: 13.23 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

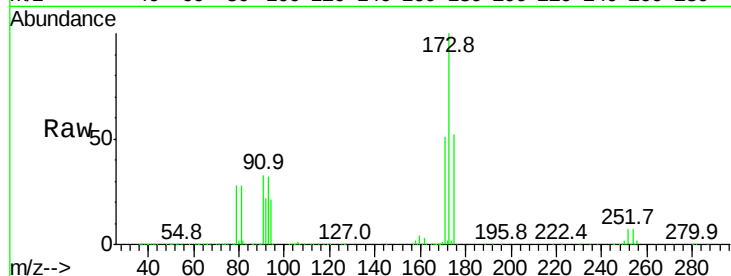
Tgt Ion:173 Resp: 1474965

Ion Ratio Lower Upper

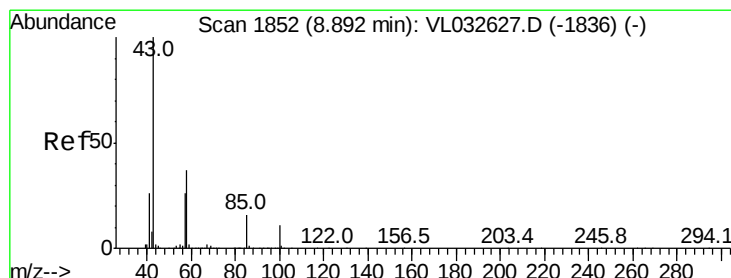
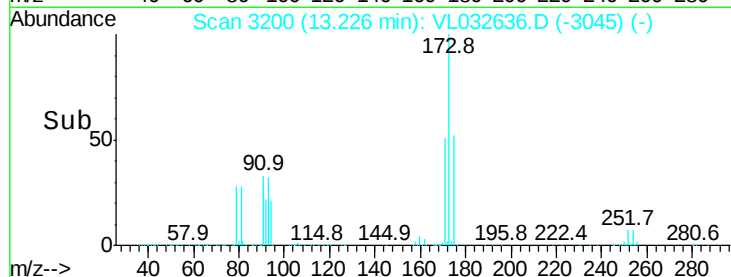
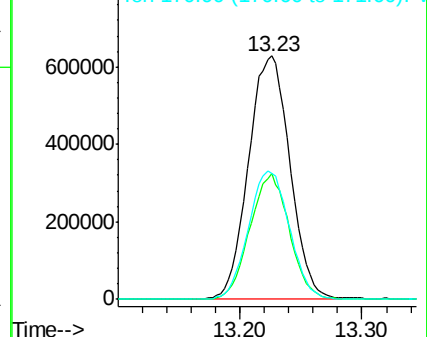
173 100

175 49.3 39.0 58.4

171 52.5 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: 11.173 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VL032636.D

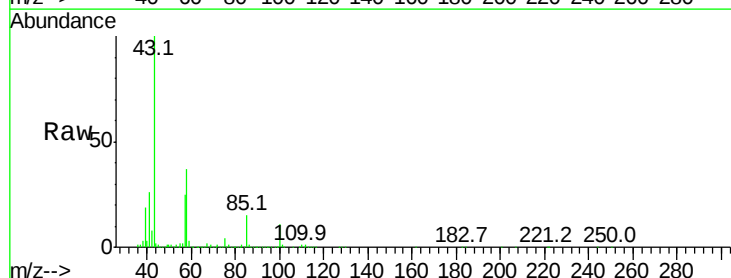
Acq: 17 Oct 2018 11:37

Tgt Ion: 43 Resp: 2349452

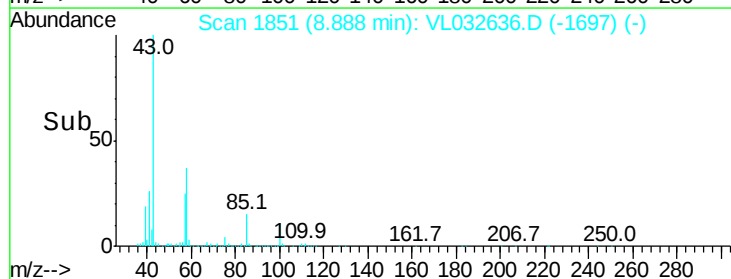
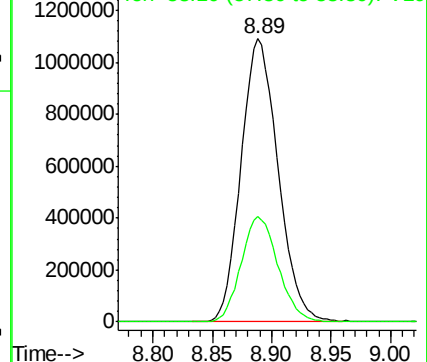
Ion Ratio Lower Upper

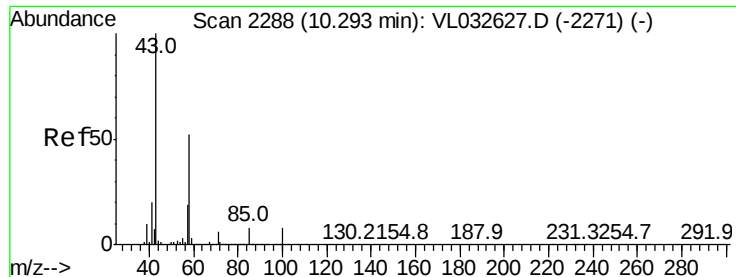
43 100

58 37.2 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: 12.686 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

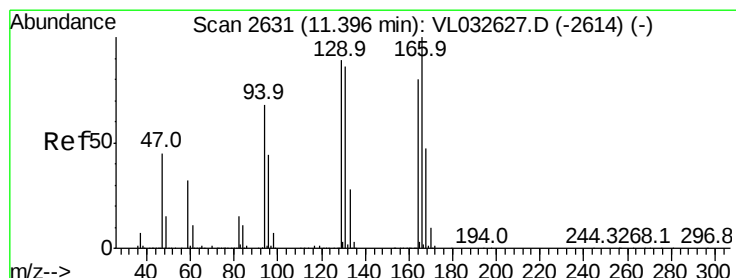
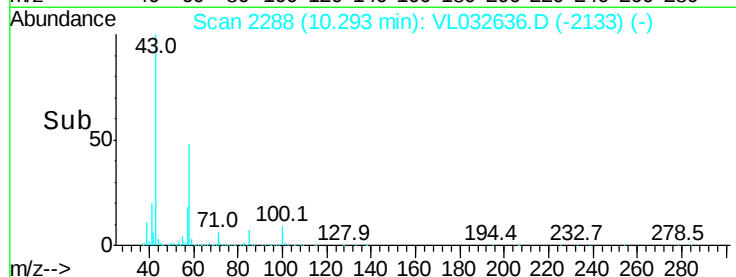
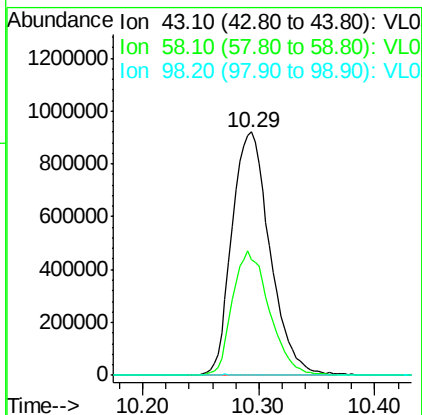
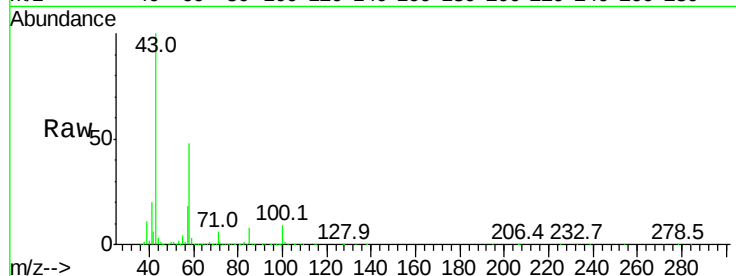
Tgt Ion: 43 Resp: 2097637

Ion Ratio Lower Upper

43 100

58 49.8 40.4 60.6

98 0.6 0.4 0.6#



#52

Tetrachloroethene

Concen: 12.061 ppbv

RT: 11.40 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Tgt Ion:164 Resp: 828451

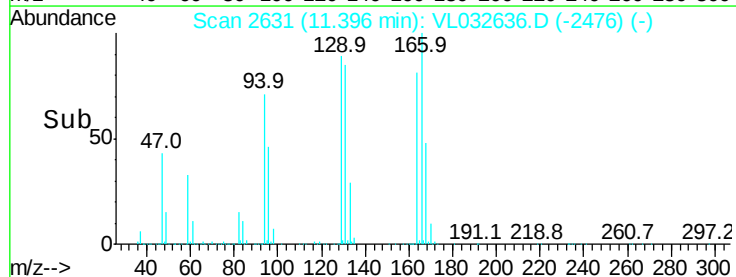
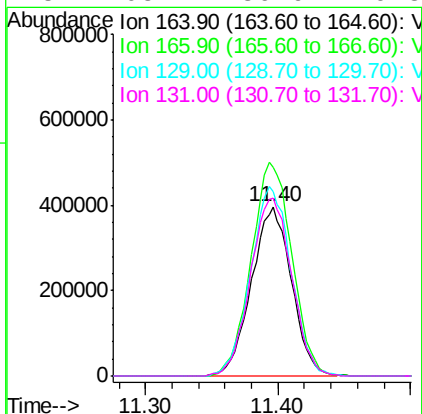
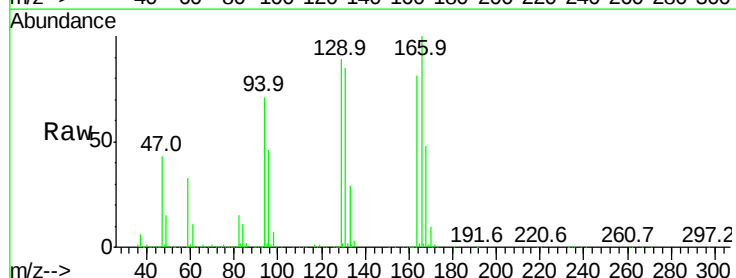
Ion Ratio Lower Upper

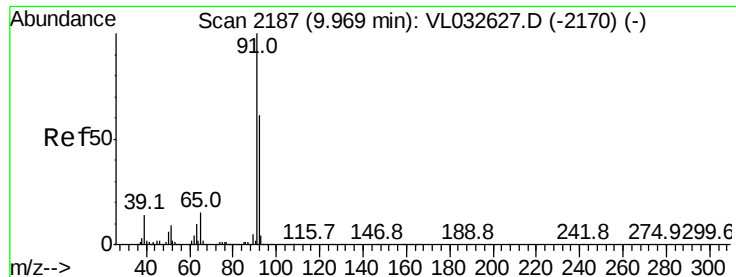
164 100

166 123.6 100.5 150.7

129 109.5 90.0 135.0

131 105.1 86.6 129.8





#53

Toluene

Concen: 12.552 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

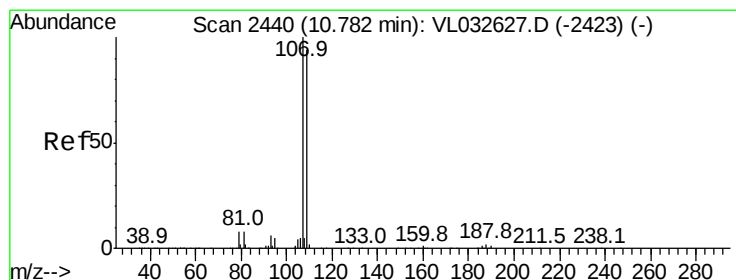
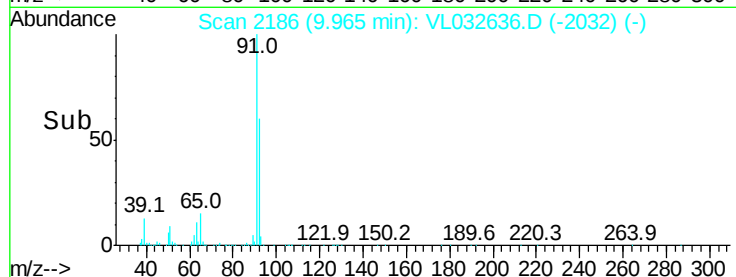
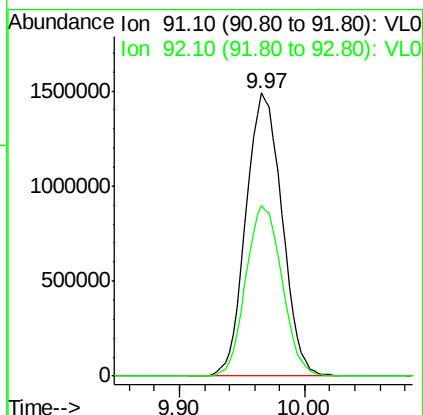
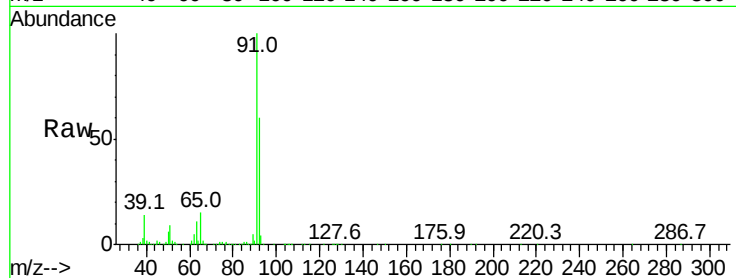
VL1017ABS01

Tgt Ion: 91 Resp: 2985653

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6



#54

1,2-Dibromoethane

Concen: 11.519 ppbv

RT: 10.78 min Scan# 2440

Delta R.T. -0.00 min

Lab File: VL032636.D

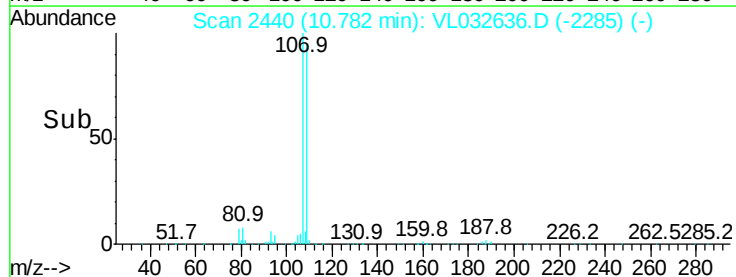
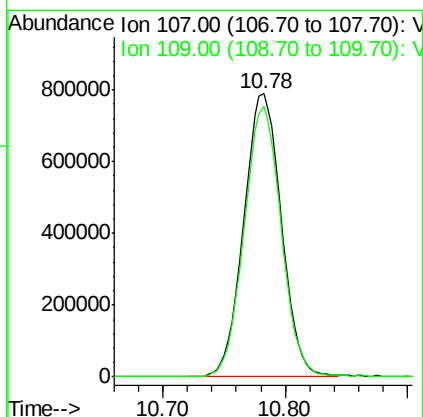
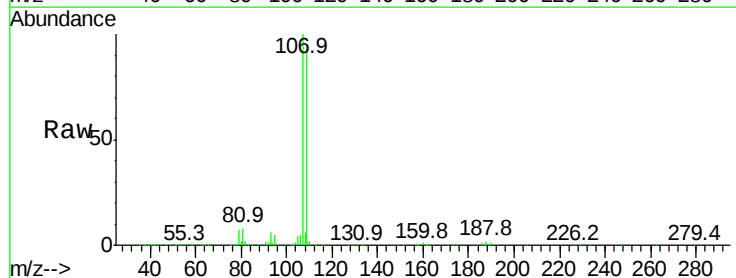
Acq: 17 Oct 2018 11:37

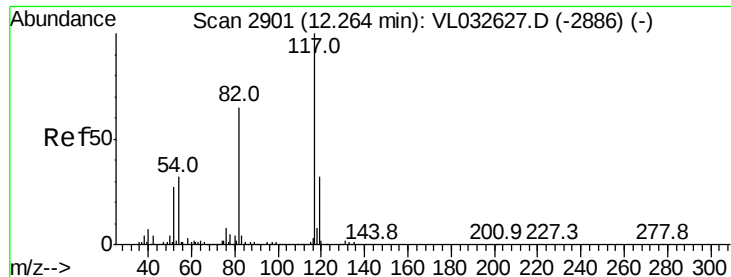
Tgt Ion: 107 Resp: 1672986

Ion Ratio Lower Upper

107 100

109 95.4 75.3 112.9

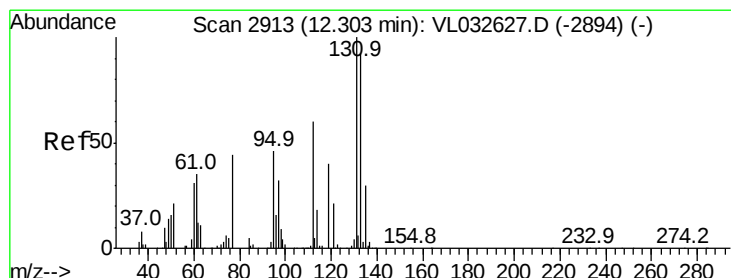
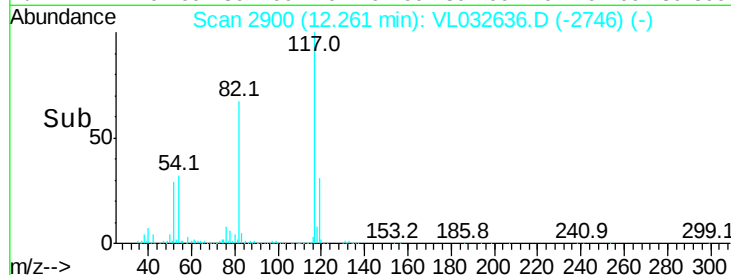
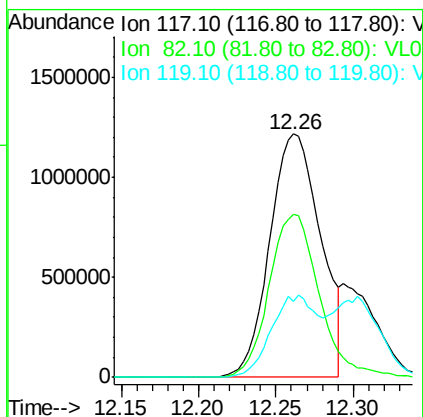
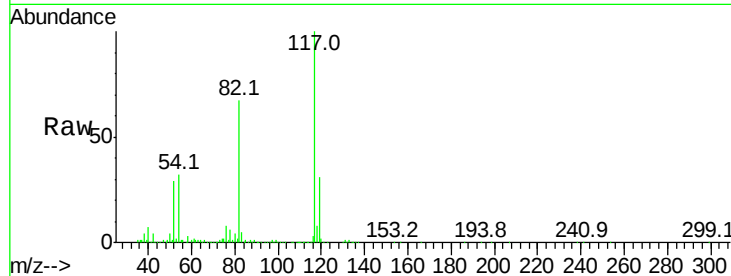




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

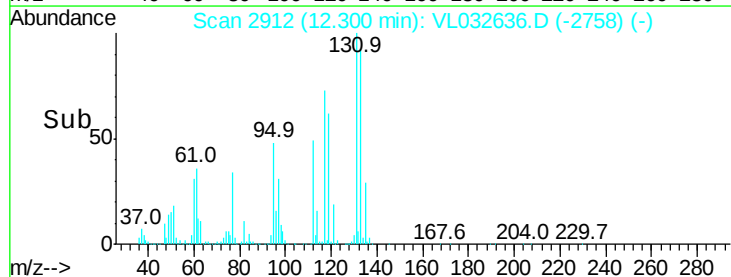
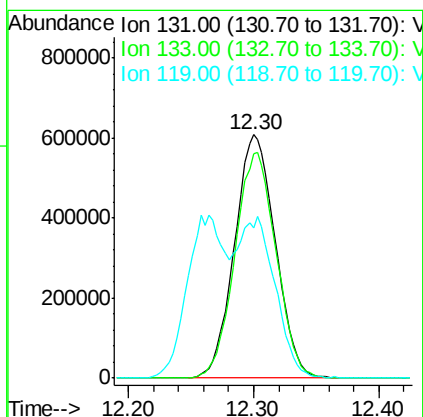
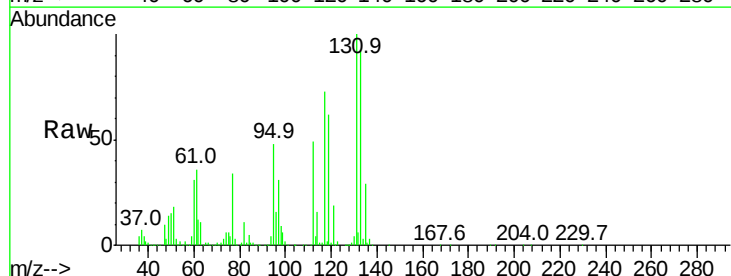
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

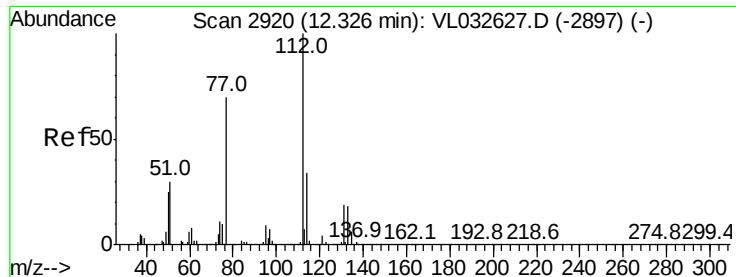
Tgt Ion:117 Resp: 2780722
Ion Ratio Lower Upper
117 100
82 66.5 52.7 79.1
119 32.8 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 10.714 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:131 Resp: 1368079
Ion Ratio Lower Upper
131 100
133 94.3 75.4 113.2
119 58.5 49.1 73.7





#57

Chlorobenzene

Concen: 10.842 ppbv

RT: 12.32 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

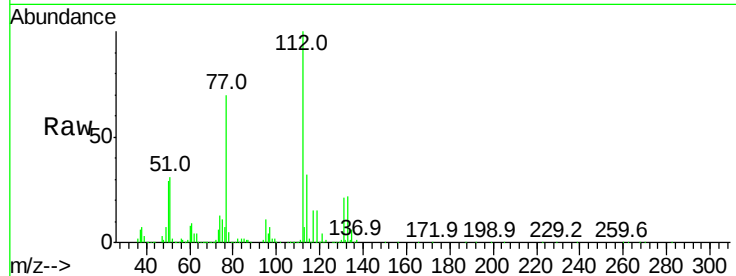
Tgt Ion:112 Resp: 2292787

Ion Ratio Lower Upper

112 100

77 69.8 56.8 85.2

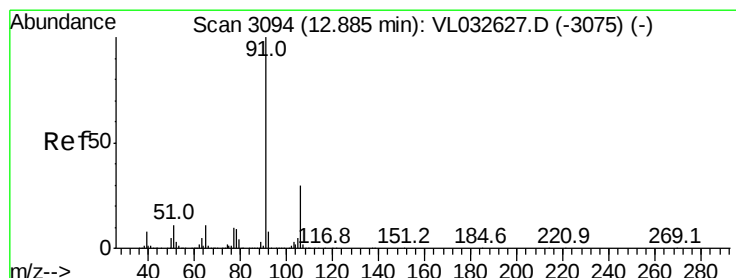
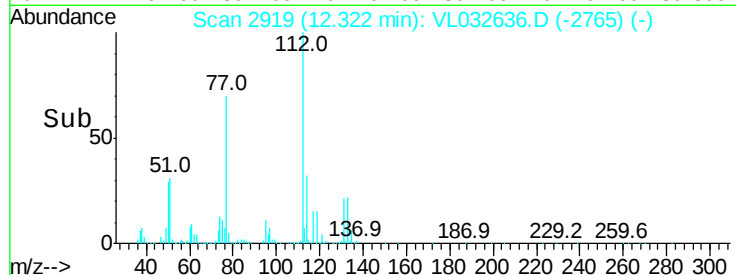
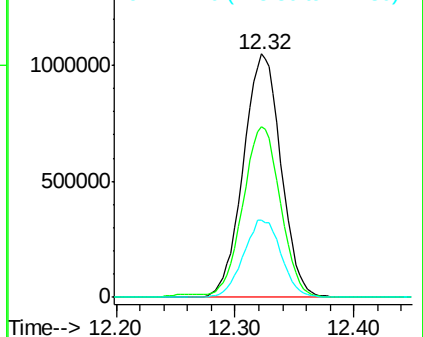
114 31.8 30.3 37.1



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: 12.089 ppbv

RT: 12.88 min Scan# 3094

Delta R.T. -0.00 min

Lab File: VL032636.D

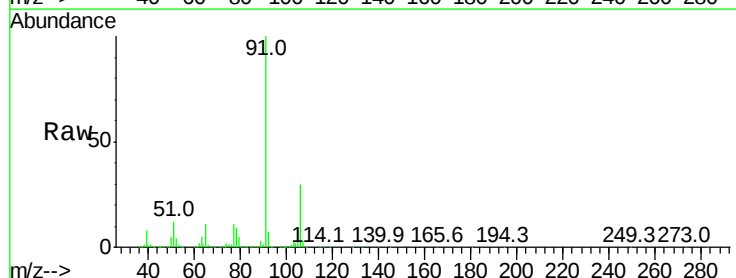
Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 3775196

Ion Ratio Lower Upper

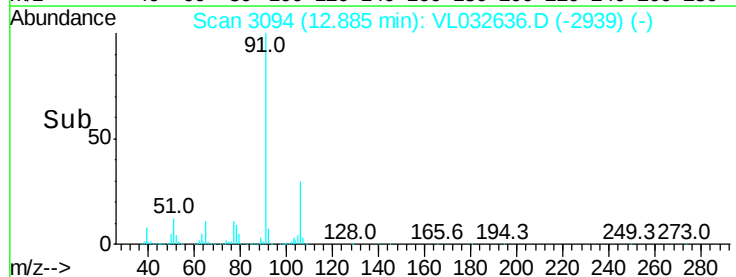
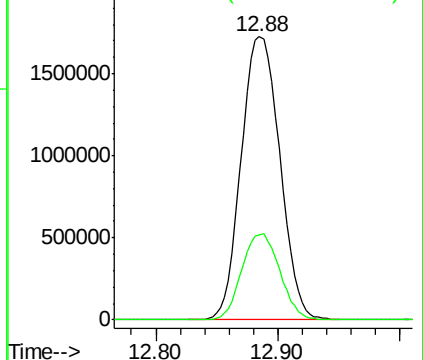
91 100

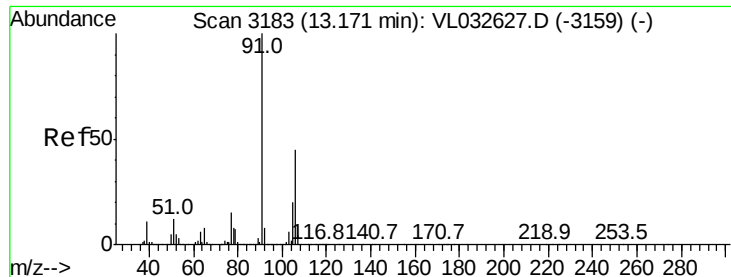
106 29.8 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.266 ppbv

RT: 13.17 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

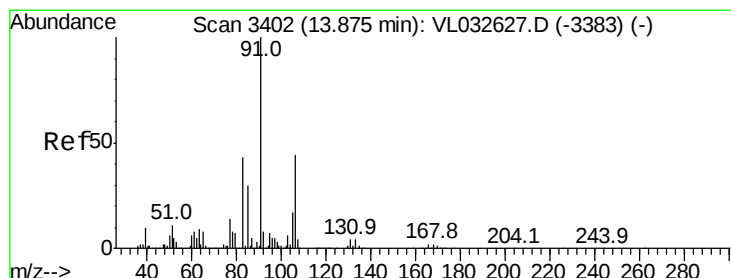
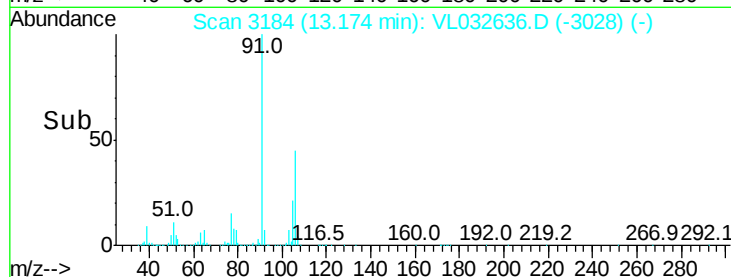
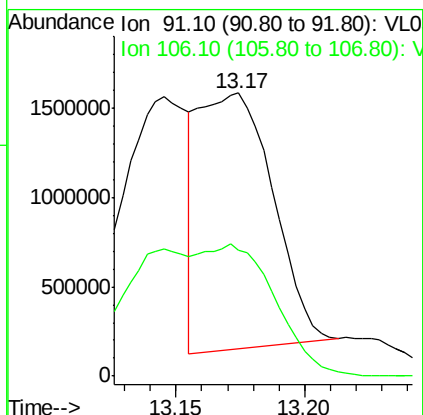
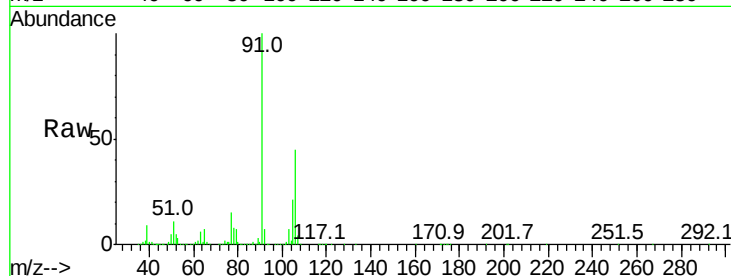
VL1017ABS01

Tgt Ion: 91 Resp: 2861807

Ion Ratio Lower Upper

91 100

106 98.9 35.9 53.9#



#60

o-Xylene

Concen: 11.343 ppbv

RT: 13.87 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL032636.D

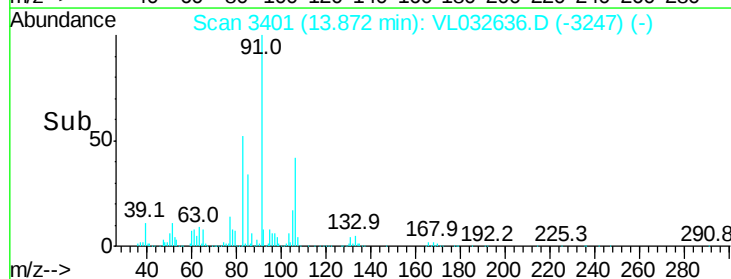
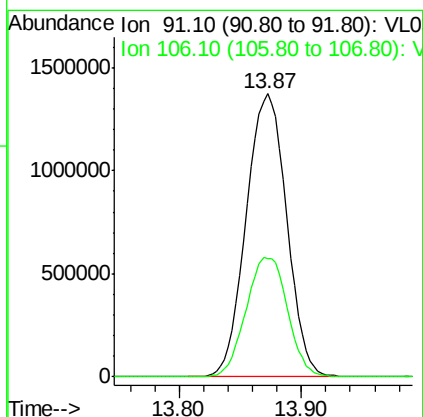
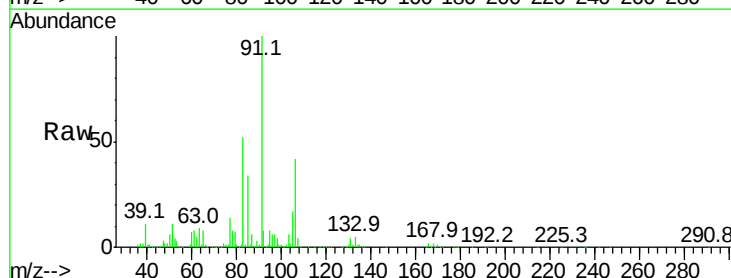
Acq: 17 Oct 2018 11:37

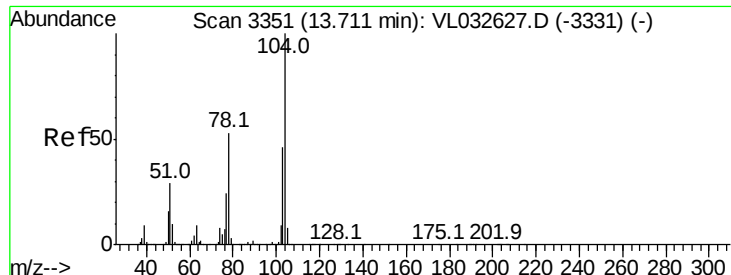
Tgt Ion: 91 Resp: 3151014

Ion Ratio Lower Upper

91 100

106 43.2 22.1 66.1





#61

Styrene

Concen: 13.076 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

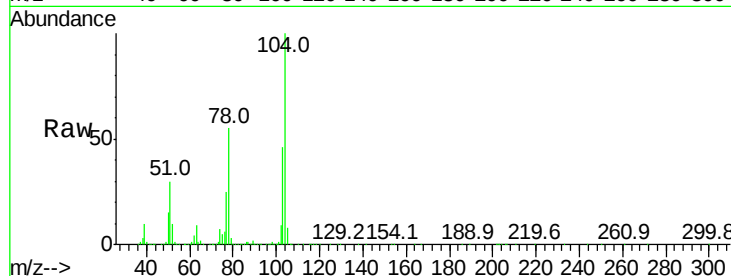
Tgt Ion:104 Resp: 2201393

Ion Ratio Lower Upper

104 100

78 54.7 42.8 64.2

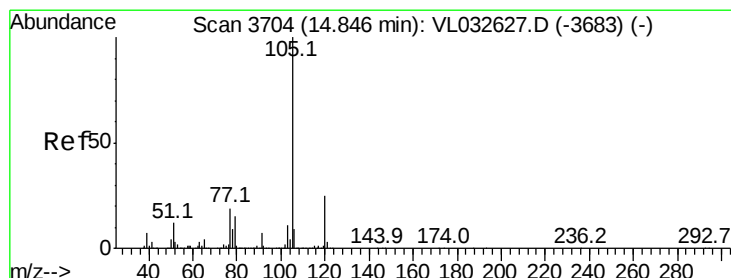
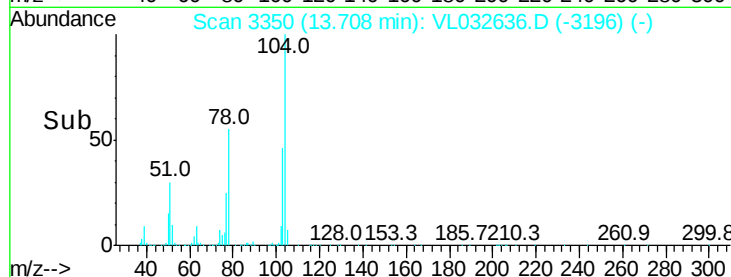
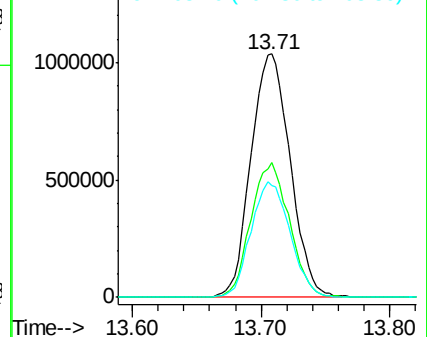
103 47.4 37.4 56.0



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: 11.181 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL032636.D

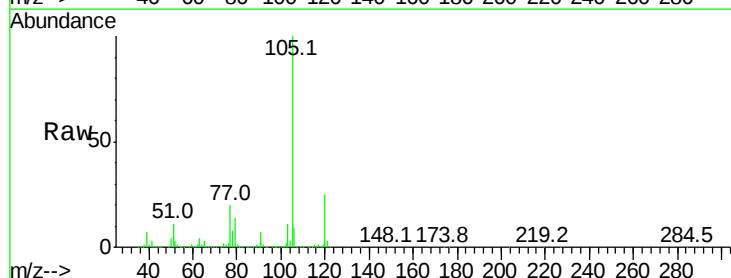
Acq: 17 Oct 2018 11:37

Tgt Ion:105 Resp: 4424699

Ion Ratio Lower Upper

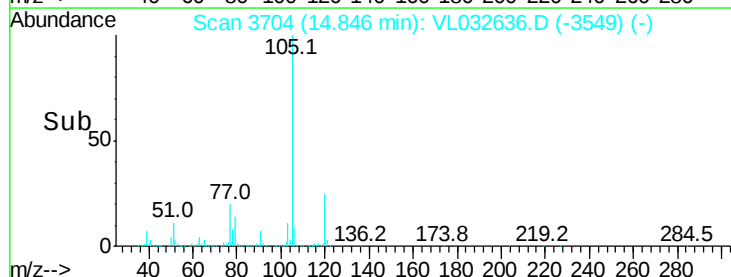
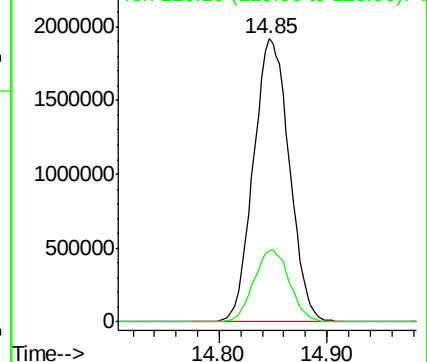
105 100

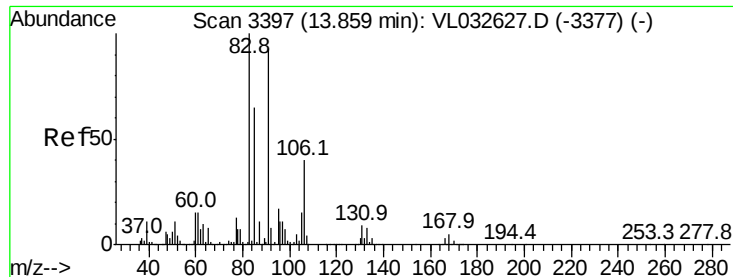
120 25.4 20.5 30.7



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: 9.619 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

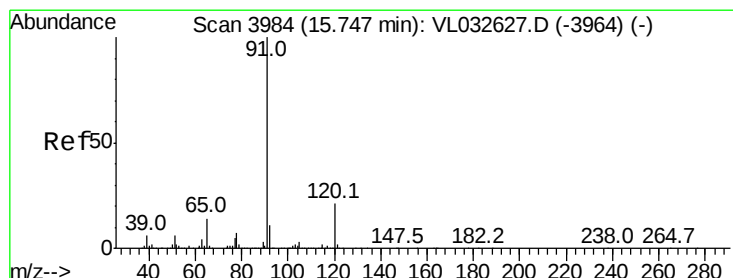
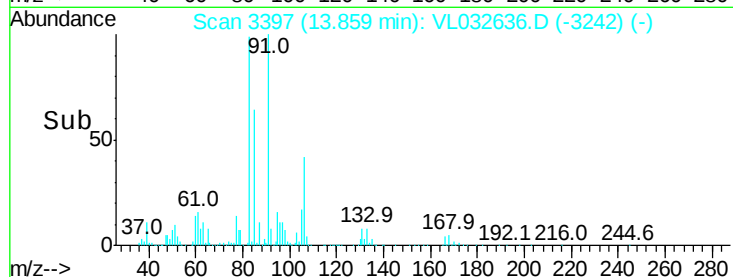
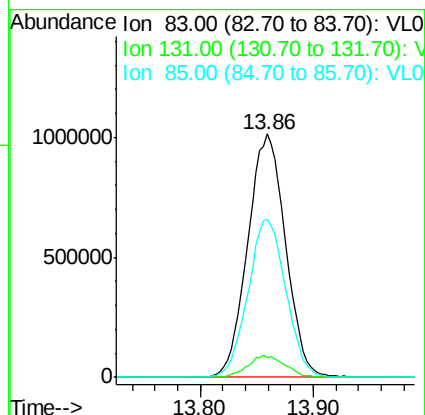
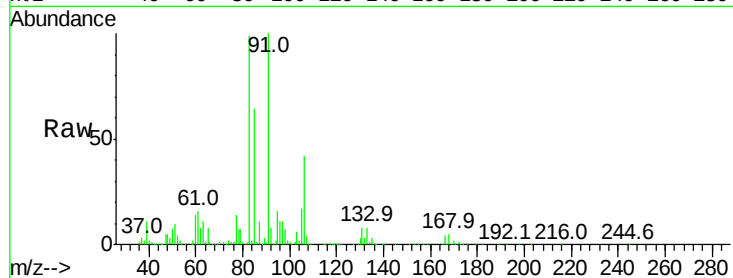
Tgt Ion: 83 Resp: 2358095

Ion Ratio Lower Upper

83 100

131 8.8 4.3 12.9

85 65.0 32.3 96.9



#64

n-propylbenzene

Concen: 11.336 ppbv

RT: 15.74 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL032636.D

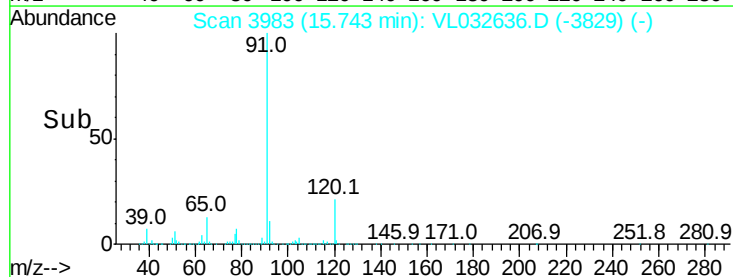
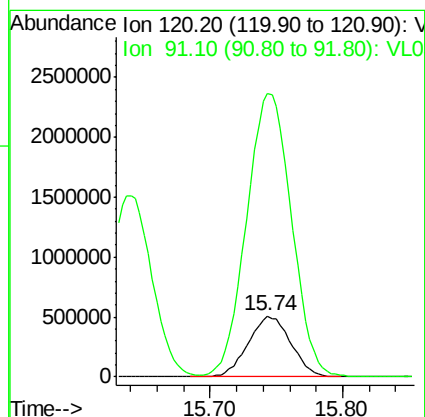
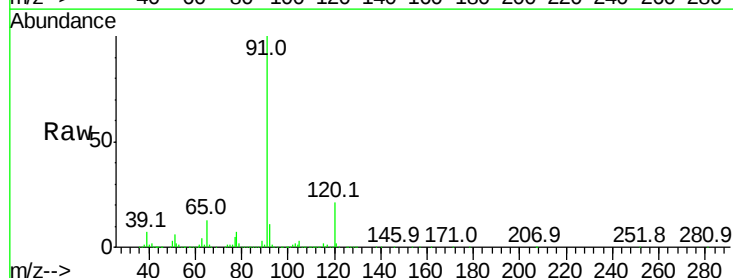
Acq: 17 Oct 2018 11:37

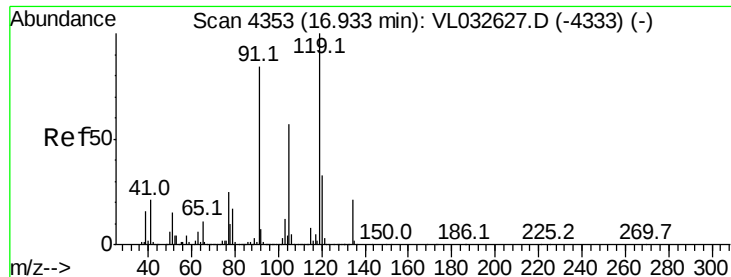
Tgt Ion: 120 Resp: 1136783

Ion Ratio Lower Upper

120 100

91 490.6 390.2 585.2

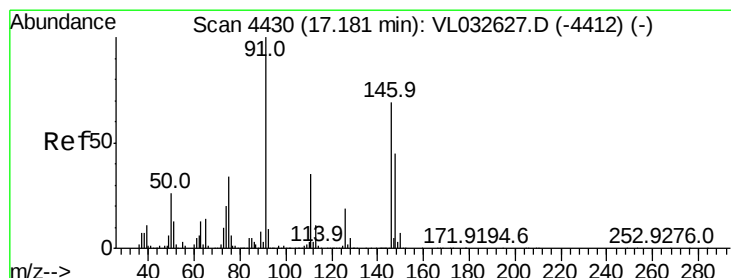
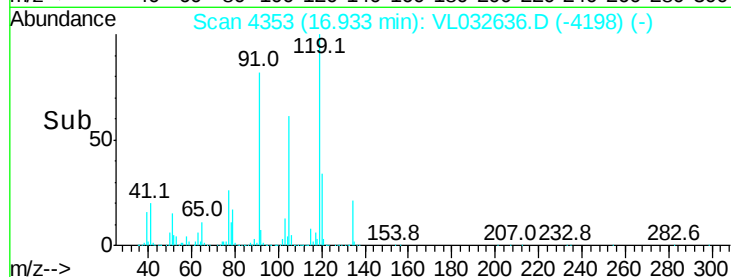
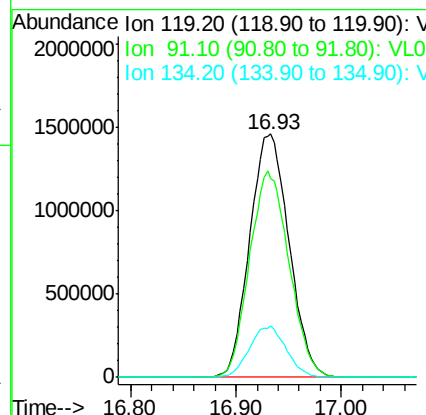
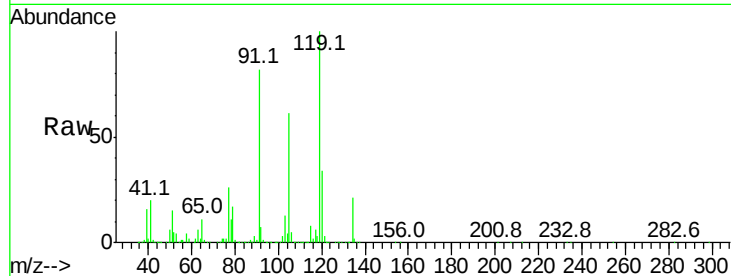




#65
 tert-Butylbenzene
 Concen: 11.276 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

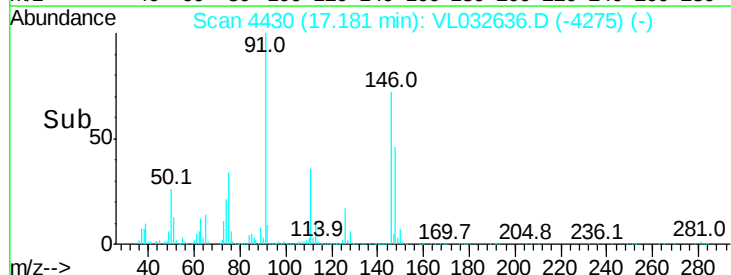
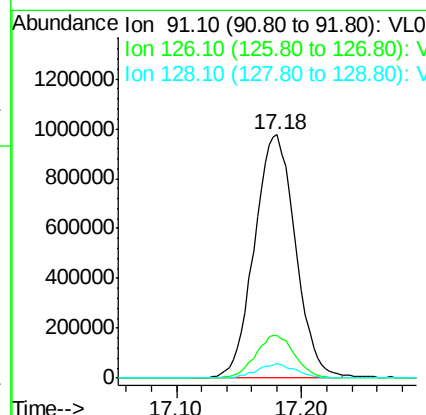
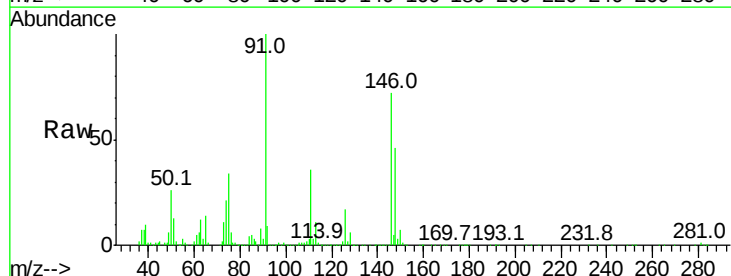
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

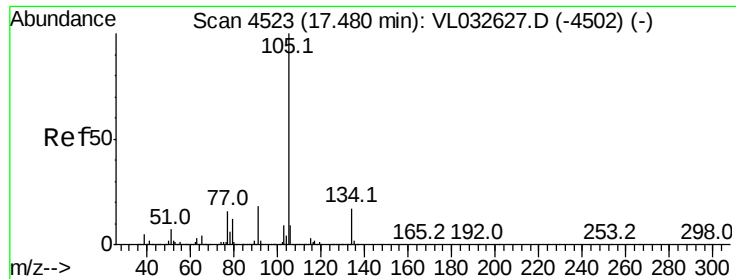
Tgt Ion: 119 Resp: 3786238
 Ion Ratio Lower Upper
 119 100
 91 85.2 67.8 101.8
 134 19.7 15.8 23.8



#66
 Benzyl Chloride
 Concen: 11.695 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 2214040
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.9 20.9
 128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.915 ppbv

RT: 17.48 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

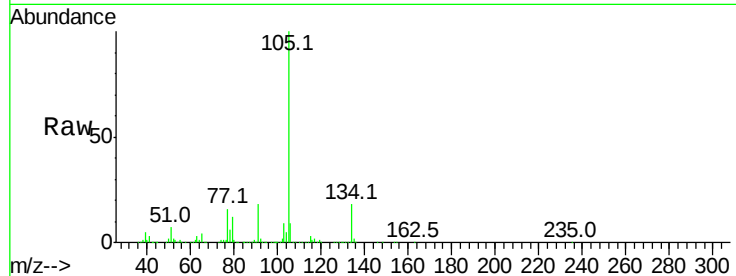
VL1017ABS01

Tgt Ion:105 Resp: 5516319

Ion Ratio Lower Upper

105 100

134 17.6 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

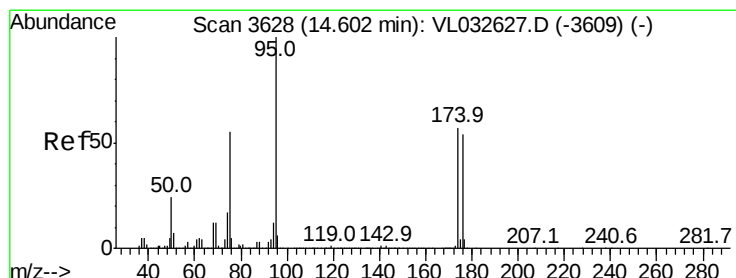
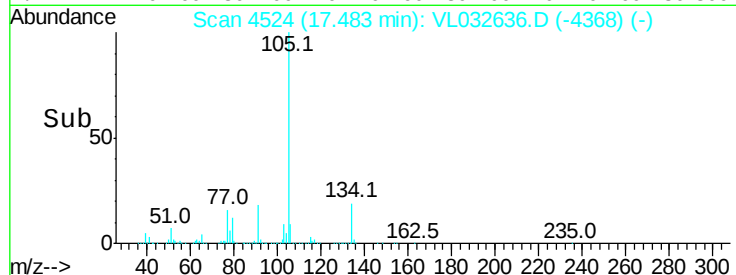
1000000

500000

0

Time-->

17.40 17.50 17.60



#68

1-Bromo-4-Fluorobenzene

Concen: 9.636 ppbv

RT: 14.60 min Scan# 3627

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

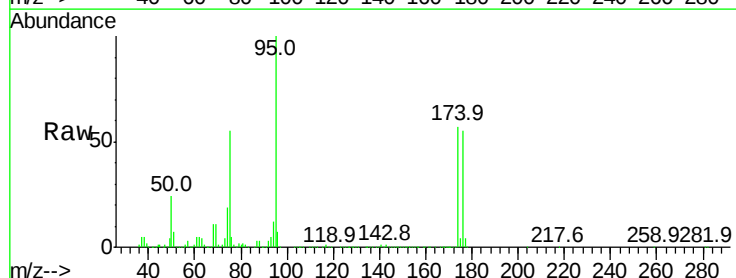
Tgt Ion: 95 Resp: 2017570

Ion Ratio Lower Upper

95 100

174 58.6 46.0 69.0

175 4.3 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

1200000

1000000

800000

600000

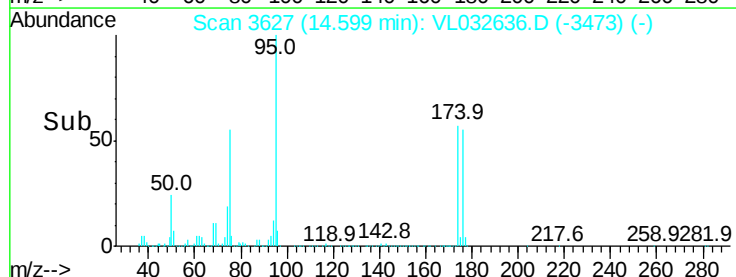
400000

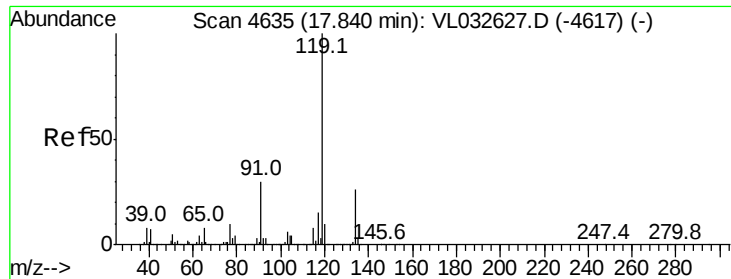
200000

0

Time-->

14.50 14.60

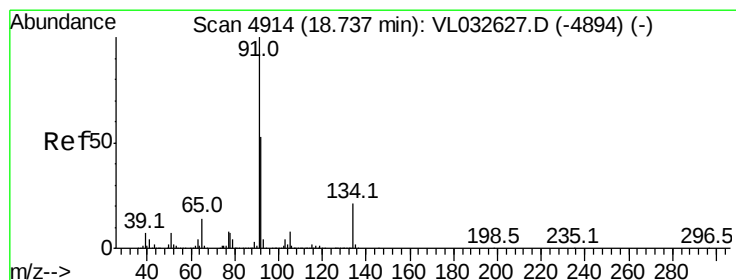
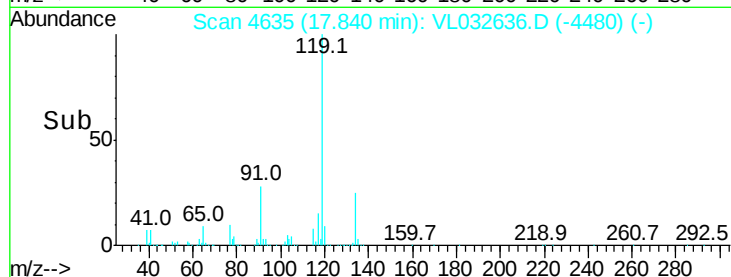
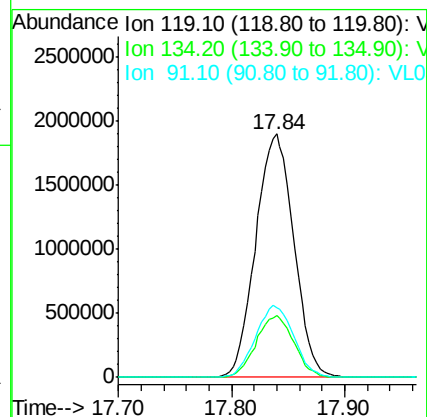
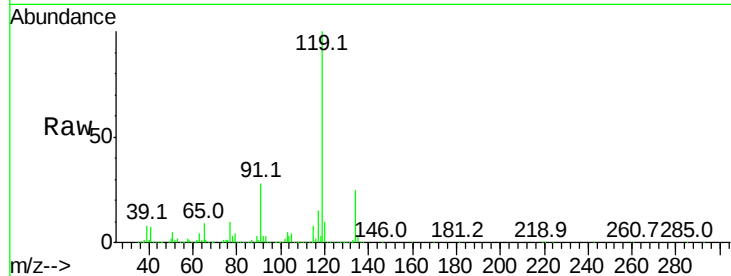




#69
 p-Isopropyltoluene
 Concen: 11.600 ppbv
 RT: 17.84 min Scan# 4635
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

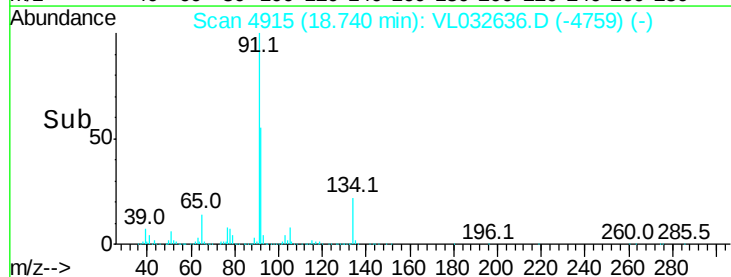
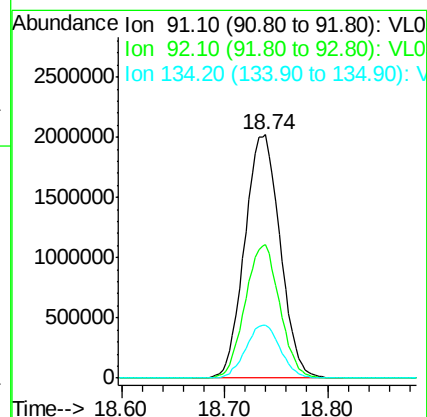
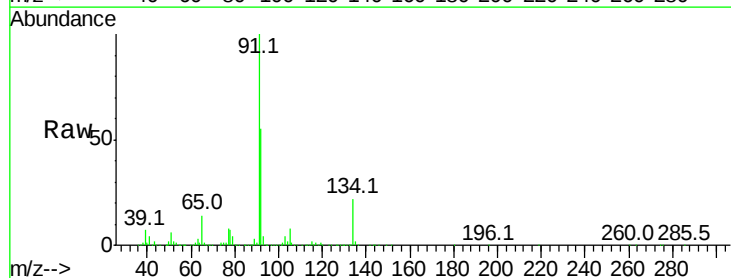
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

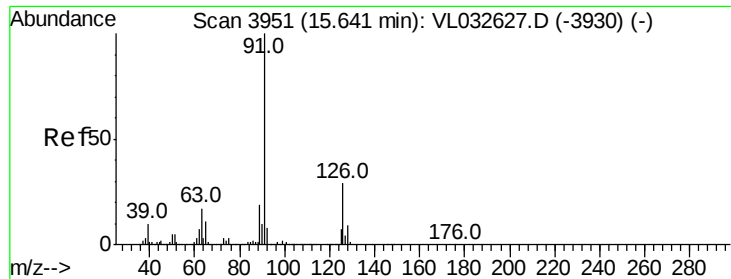
Tgt Ion: 119 Resp: 4437233
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.2 30.2
 91 29.7 24.0 36.0



#70
 n-Butylbenzene
 Concen: 11.415 ppbv
 RT: 18.74 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion: 91 Resp: 4810431
 Ion Ratio Lower Upper
 91 100
 92 53.6 43.0 64.4
 134 21.4 17.0 25.6

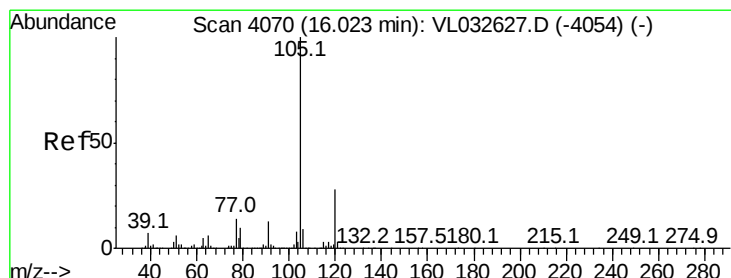
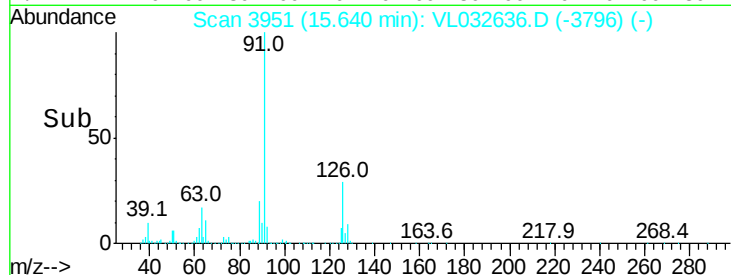
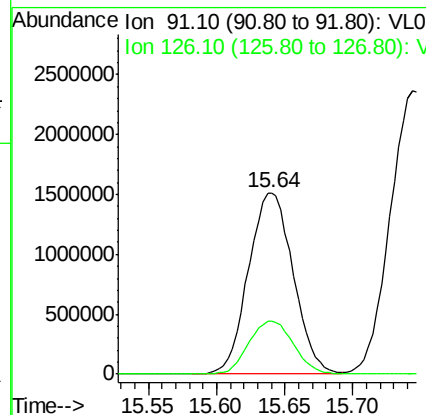
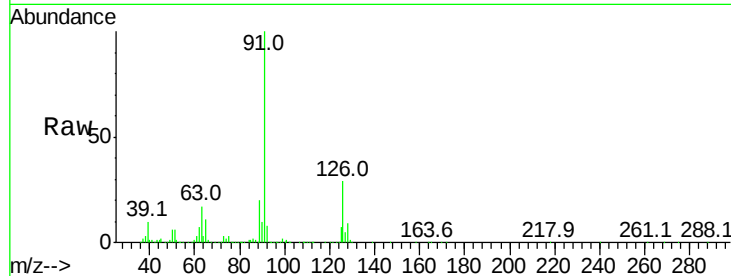




#71
 2-Chlorotoluene
 Concen: 11.757 ppbv
 RT: 15.64 min Scan# 3951
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

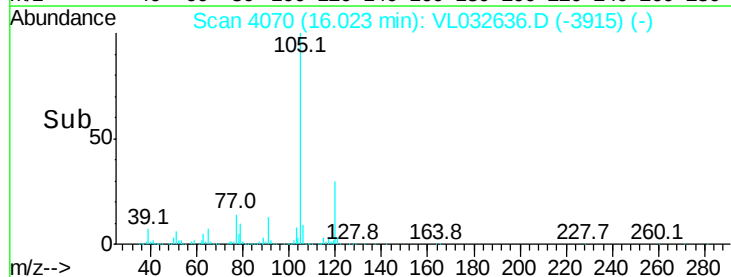
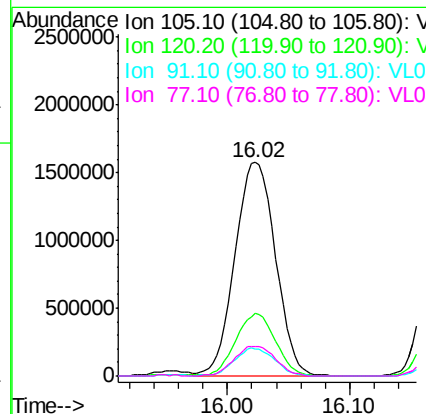
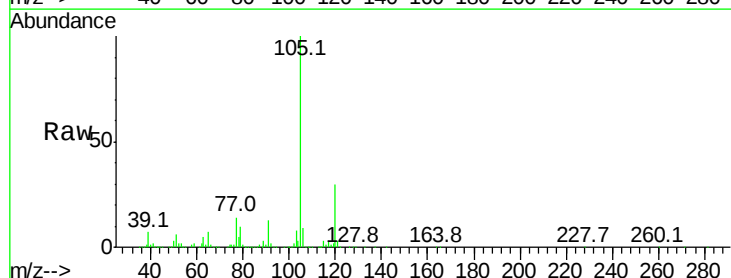
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

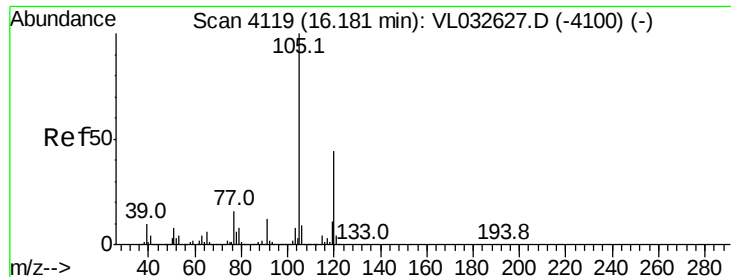
Tgt Ion: 91 Resp: 3439347
 Ion Ratio Lower Upper
 91 100
 126 29.5 11.8 47.4



#72
 4-Ethyltoluene
 Concen: 12.090 ppbv
 RT: 16.02 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion: 105 Resp: 3630578
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.7 35.5
 91 13.0 10.4 15.6
 77 14.4 11.4 17.2

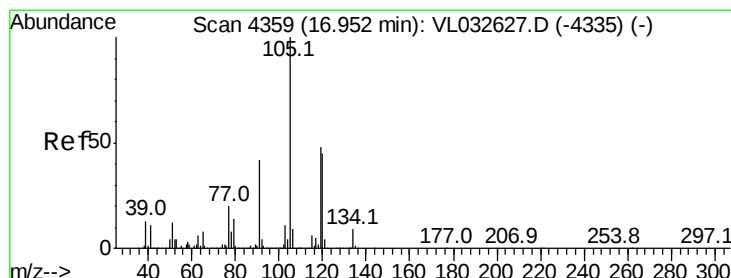
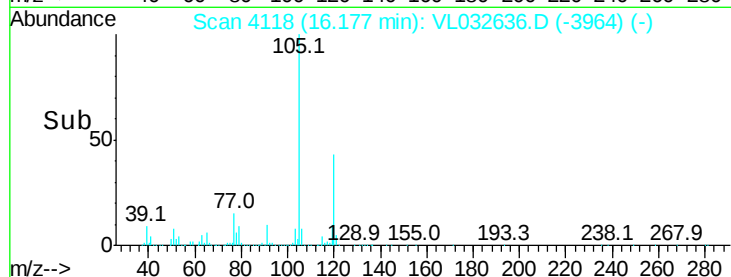
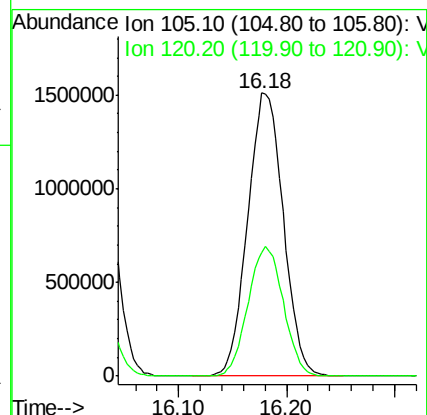
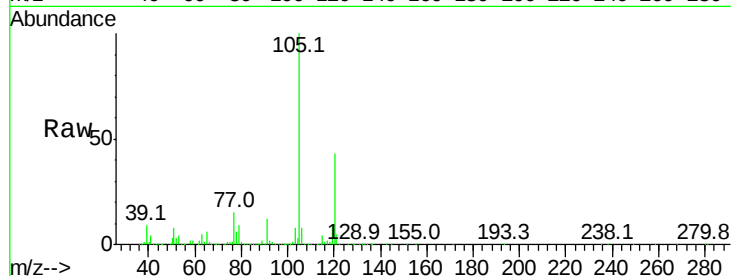




#73
 1,3,5-Trimethylbenzene
 Concen: 11.601 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

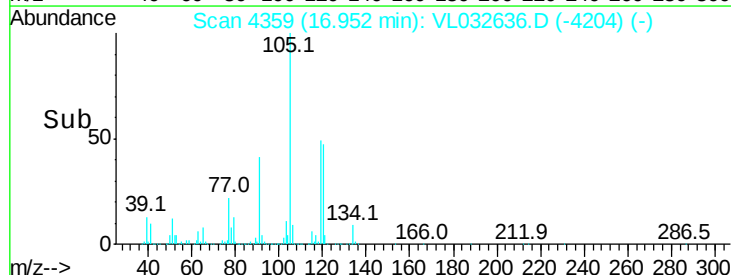
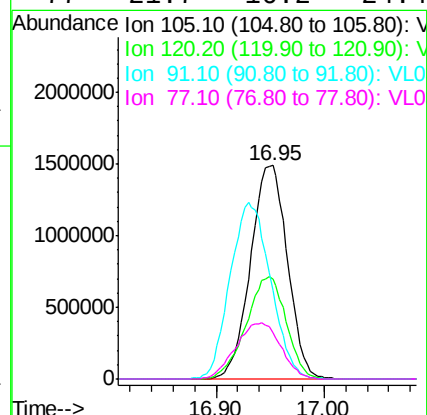
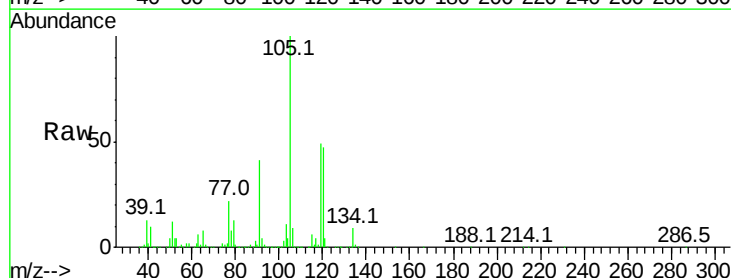
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

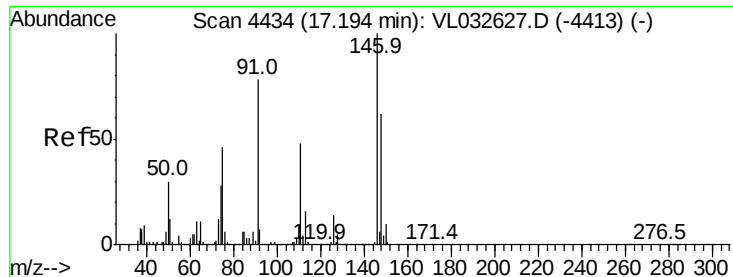
Tgt Ion:105 Resp: 3464989
 Ion Ratio Lower Upper
 105 100
 120 43.5 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 10.790 ppbv
 RT: 16.95 min Scan# 4359
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion:105 Resp: 3547956
 Ion Ratio Lower Upper
 105 100
 120 47.0 35.8 53.8
 91 41.3 33.2 49.8
 77 21.7 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 10.060 ppbv

RT: 17.19 min Scan# 4432

Delta R.T. -0.01 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

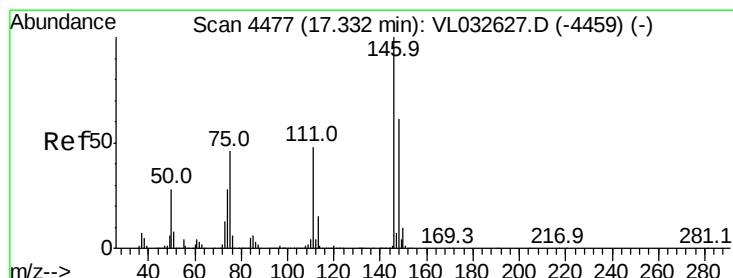
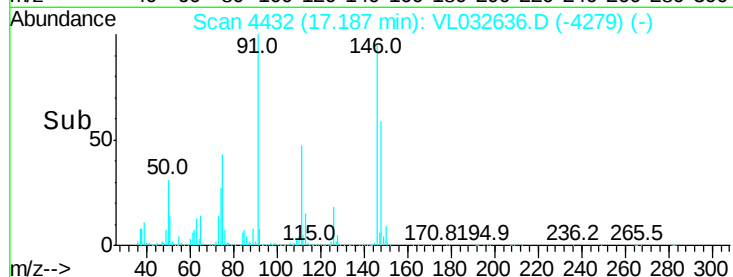
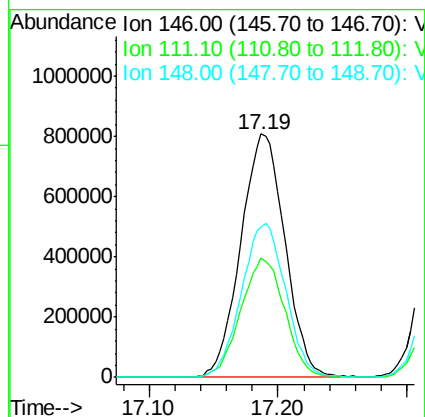
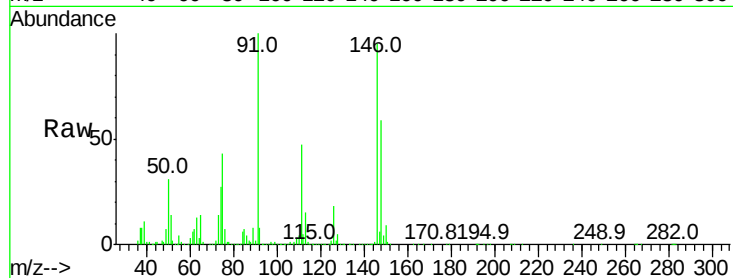
Tgt Ion:146 Resp: 1922532

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.2

148 63.6 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 10.927 ppbv

RT: 17.33 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL032636.D

Acq: 17 Oct 2018 11:37

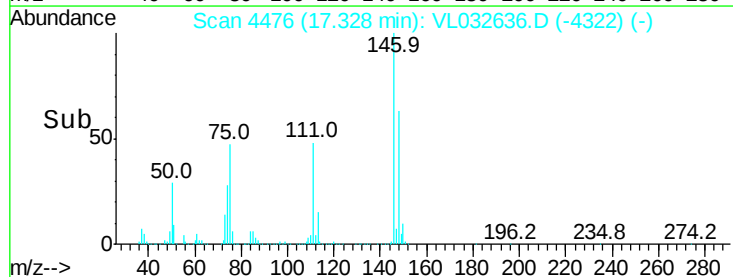
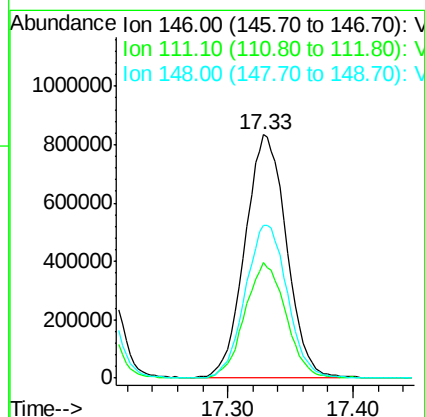
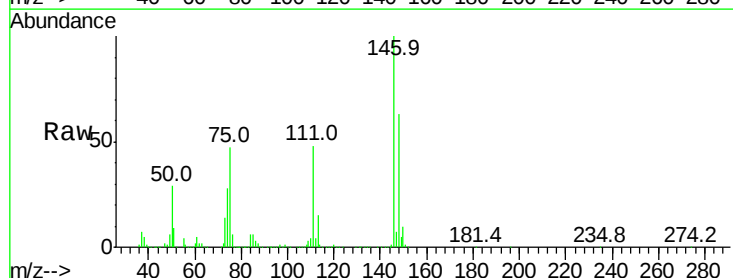
Tgt Ion:146 Resp: 1902739

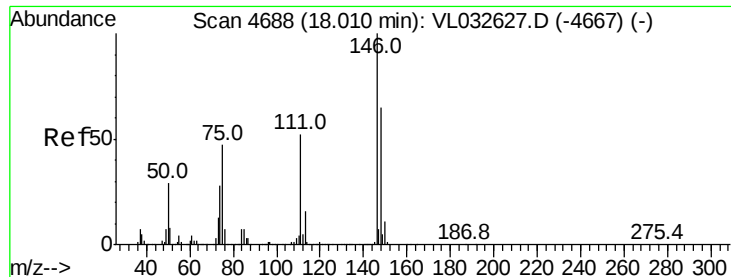
Ion Ratio Lower Upper

146 100

111 47.1 23.7 71.1

148 64.2 32.1 96.3

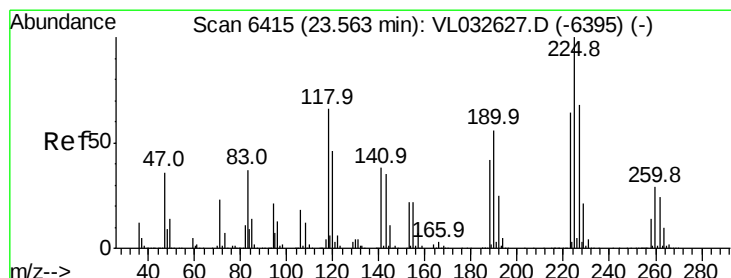
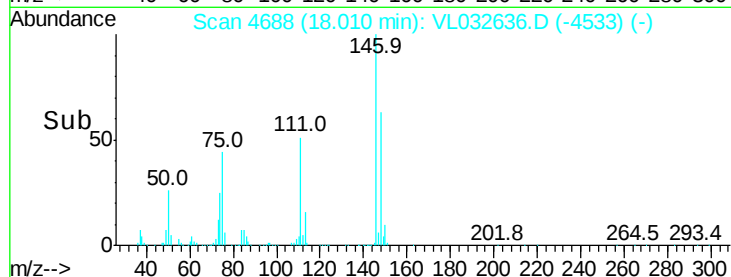
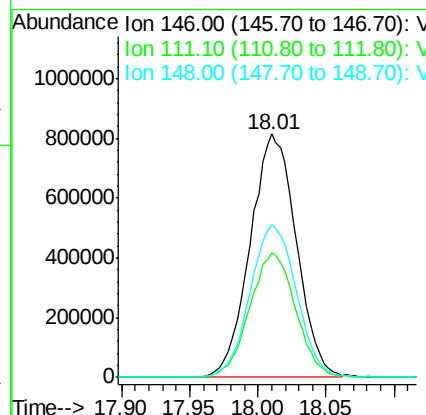
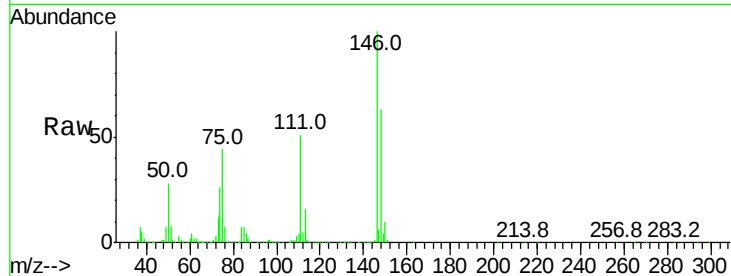




#77
 1,2-Dichlorobenzene
 Concen: 10.393 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

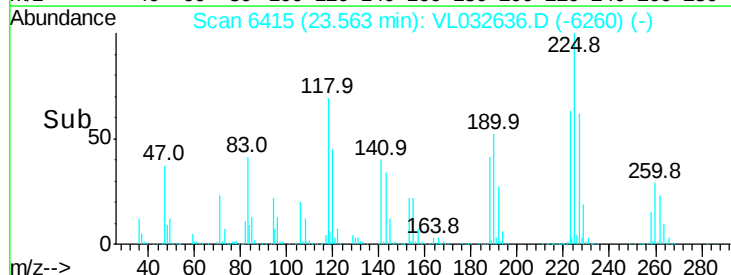
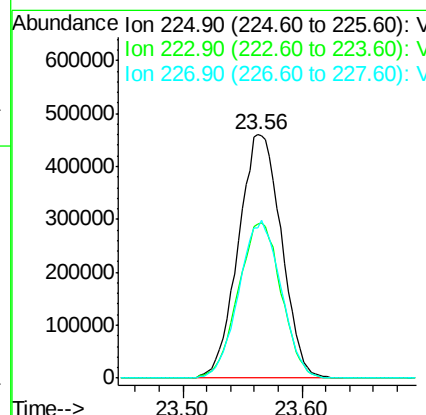
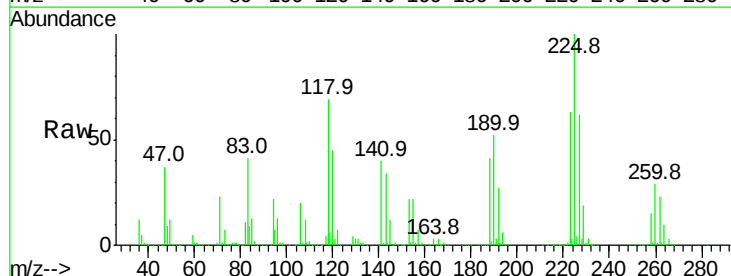
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

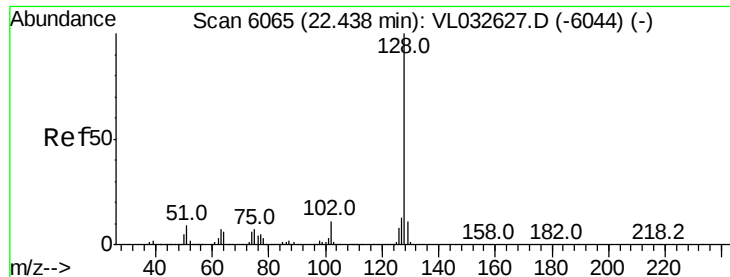
Tgt Ion:146 Resp: 1909282
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.3 75.8
 148 63.3 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 11.208 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Tgt Ion:225 Resp: 1152402
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.7 76.1
 227 63.5 50.7 76.1

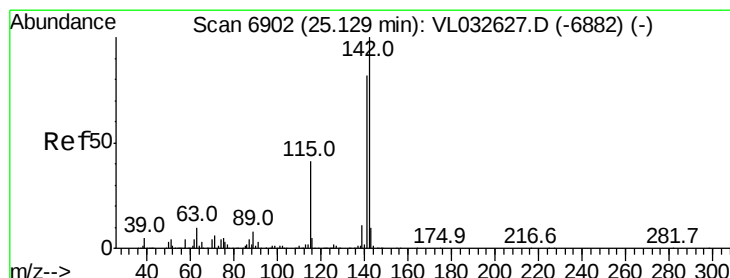
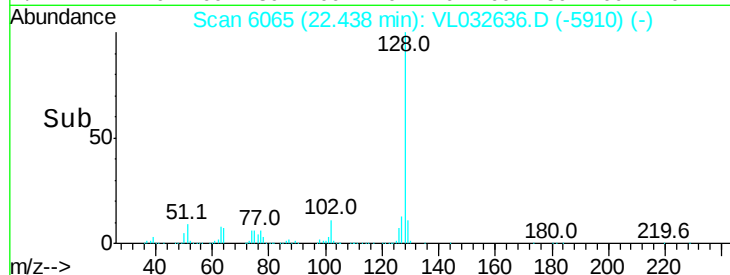
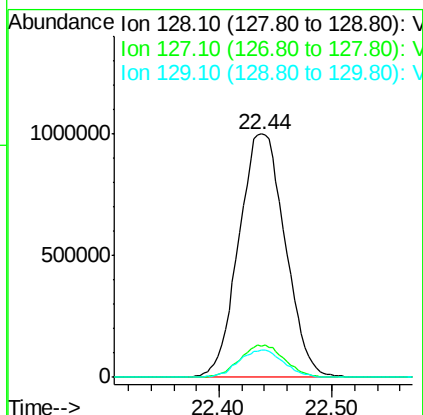
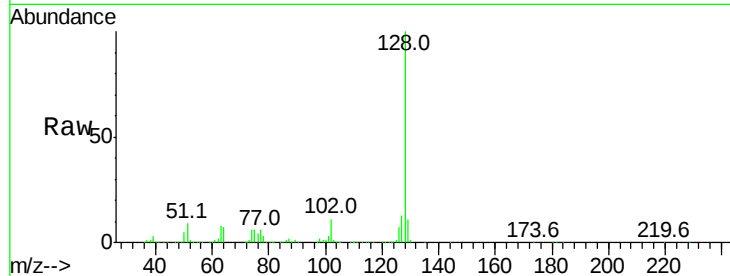




#79
Naphthalene
Concen: 12.692 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. -0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

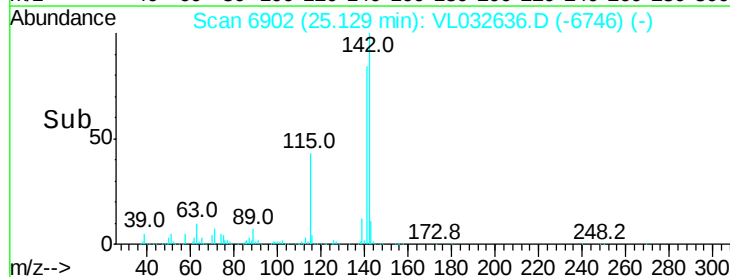
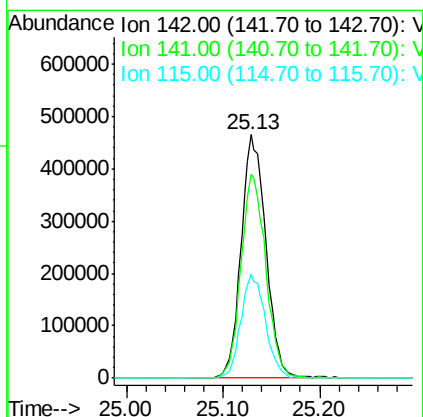
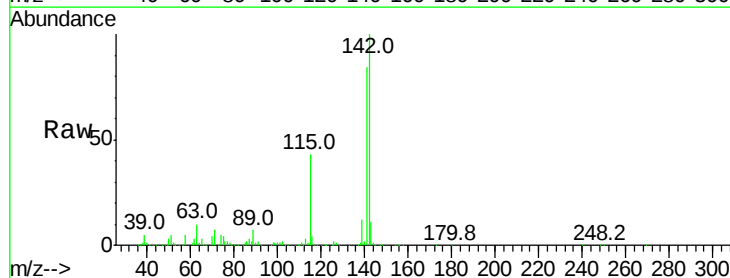
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

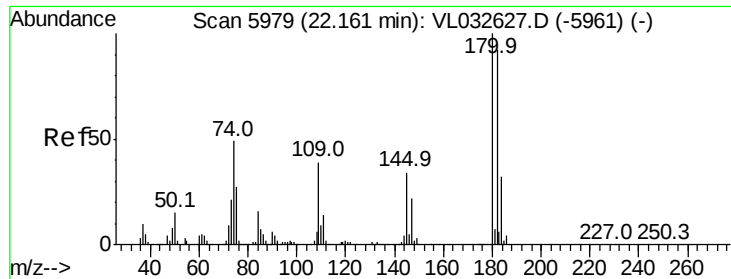
Tgt Ion:128 Resp: 2838129
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.3 8.6 13.0



#80
Naphthalene, 2-methyl-
Concen: 11.330 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032636.D
Acq: 17 Oct 2018 11:37

Tgt Ion:142 Resp: 827537
Ion Ratio Lower Upper
142 100
141 84.3 67.5 101.3
115 42.7 33.5 50.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.289 ppbv
 RT: 22.16 min Scan# 5979
 Delta R.T. -0.00 min
 Lab File: VL032636.D
 Acq: 17 Oct 2018 11:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Tgt Ion:180 Resp: 1364146
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.4 24.7 37.1

