

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032688.D
 Acq On : 24 Oct 2018 15:31
 Operator : SY/AP
 Sample : VL1024ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Quant Time: Oct 25 05:24:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 05:15:43 2018
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1575206	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3787133	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4096098	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2862827	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	1908595	11.892	ppbv	100
3) Chlorodifluoromethane	3.02	51	1120184	9.093	ppbv	99
4) Chloromethane	3.18	50	651348	9.461	ppbv	100
5) Vinyl Chloride	3.30	62	656801	8.808	ppbv	99
6) Bromomethane	3.53	94	420278	9.040	ppbv	93
7) Chloroethane	3.61	64	258636	9.419	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	1529669	9.043	ppbv	92
9) Propene	3.05	41	510483	10.070	ppbv	100
10) Heptane	8.26	43	1984337	10.157	ppbv	99
11) Trichlorofluoromethane	4.02	101	1745434	8.326	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1572170	9.018	ppbv	93
13) Ethanol	3.66	45	129921	8.967	ppbv	98
14) Bromoethene	3.80	108	537493	9.123	ppbv	99
15) Acetone	3.91	43	1145149	7.873	ppbv	100
16) 1,3-Butadiene	3.37	39	537034	10.036	ppbv	83
17) tert-Butyl alcohol	4.37	59	477476	11.161	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	782464	10.217	ppbv	98
19) Isopropyl Alcohol	4.04	45	869436	8.393	ppbv #	97
20) Methylene Chloride	4.42	84	666318	9.024	ppbv	97
21) Allyl Chloride	4.49	41	1296352	10.855	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	749173	9.537	ppbv	89
23) Vinyl Acetate	5.17	43	2643483	10.256	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1877065	9.277	ppbv	99
25) Ethyl Acetate	5.79	43	3300827	9.859	ppbv	99
26) Hexane	5.80	57	1550641	9.788	ppbv	99
27) Carbon Disulfide	4.63	76	1708497	8.890	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	2309891	10.145	ppbv	99
29) Chloroform	5.87	83	2411390	9.529	ppbv	98
30) Cyclohexane	7.26	84	1341870	10.701	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1466199	9.982	ppbv	98
32) 1,1,1-Trichloroethane	6.64	97	2361156	9.182	ppbv	99
34) 2-Butanone	5.35	43	2125601	10.470	ppbv	100
35) Carbon Tetrachloride	7.15	117	2571648	9.568	ppbv	96
36) Benzene	7.03	78	3160028	10.275	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1823264	9.666	ppbv	98
38) Trichloroethene	7.98	130	1211951	10.646	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1216473	10.243	ppbv	98
40) 1,4-Dioxane	7.98	88	426572	10.517	ppbv #	98
41) Tetrahydrofuran	6.17	42	1280068	11.315	ppbv	98
42) Bromodichloromethane	7.94	83	2597808	9.830	ppbv	98
43) Methyl Methacrylate	8.15	69	1272115	11.286	ppbv	97

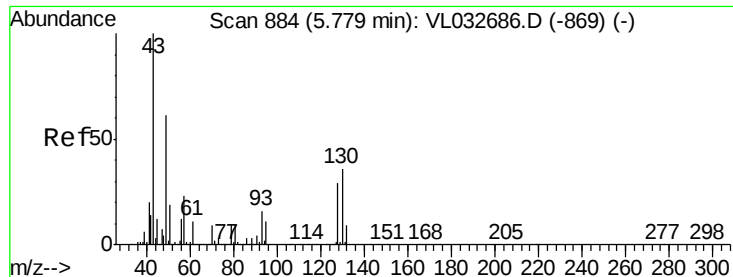
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032688.D
 Acq On : 24 Oct 2018 15:31
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Instrument :
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Quant Time: Oct 25 05:24:18 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5320975	10.135	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	1847443	12.245	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	2017062	11.702	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1408047	10.034	ppbv	99
48) Dibromochloromethane	10.47	129	2215252	9.471	ppbv	100
49) Bromoform	13.22	173	1885354	10.258	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3354840	11.154	ppbv	99
51) 2-Hexanone	10.29	43	2358747	10.550	ppbv #	99
52) Tetrachloroethene	11.39	164	1129312	10.533	ppbv	96
53) Toluene	9.97	91	3996506	11.337	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1997847	10.475	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1594803	8.904	ppbv	98
57) Chlorobenzene	12.32	112	2765324	9.180	ppbv	95
58) Ethyl Benzene	12.88	91	4926976	10.354	ppbv	100
59) m/p-Xylene	13.17	91	4086711	9.644	ppbv #	28
60) o-Xylene	13.87	91	3870573	9.469	ppbv	99
61) Styrene	13.70	104	3000283	10.947	ppbv	97
62) Isopropylbenzene	14.85	105	5479315	9.471	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2650444	8.276	ppbv	99
64) n-propylbenzene	15.74	120	1400861	9.743	ppbv	94
65) tert-Butylbenzene	16.93	119	4634078	9.406	ppbv	95
66) Benzyl Chloride	17.18	91	2677409	10.525	ppbv	99
67) sec-Butylbenzene	17.48	105	6462053	9.222	ppbv	99
69) p-Isopropyltoluene	17.83	119	5261786	9.476	ppbv	99
70) n-Butylbenzene	18.73	91	5299520	9.270	ppbv	99
71) 2-Chlorotoluene	15.64	91	4050642	9.852	ppbv	98
72) 4-Ethyltoluene	16.02	105	4395810	10.097	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4125322	9.728	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4188457	9.249	ppbv	94
75) 1,3-Dichlorobenzene	17.19	146	2322168	8.918	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2266511	9.432	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2182509	8.847	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1196789	10.267	ppbv	100
79) Naphthalene	22.43	128	3480289	12.365	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1227277	17.931	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1647631	11.303	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. 0.00 min

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VL1024ABS01

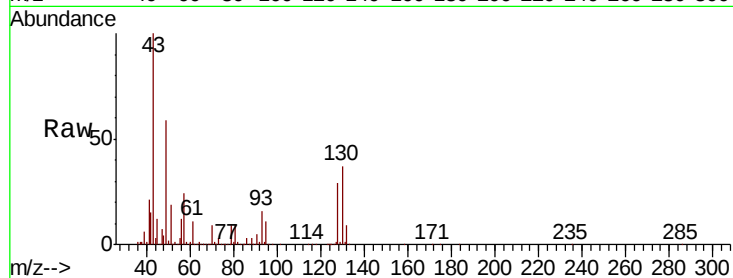
Tgt Ion: 49 Resp: 1575206

Ion Ratio Lower Upper

49 100

128 48.6 22.3 66.8

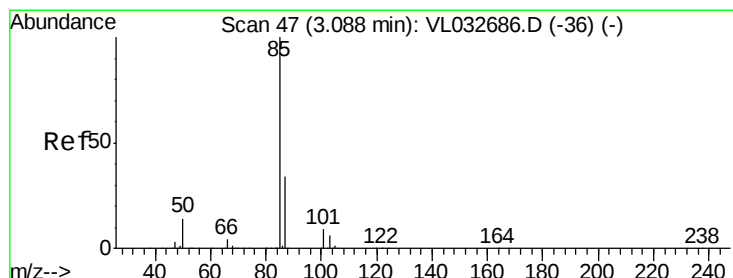
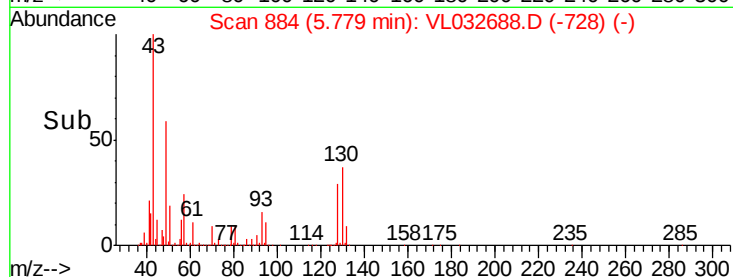
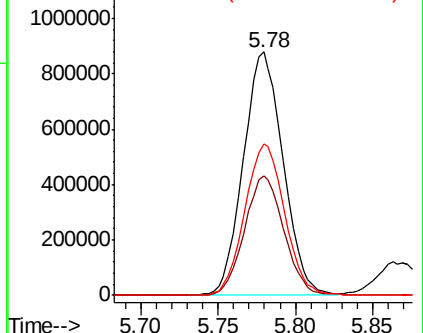
130 62.4 28.4 85.3



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: 11.892 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032688.D

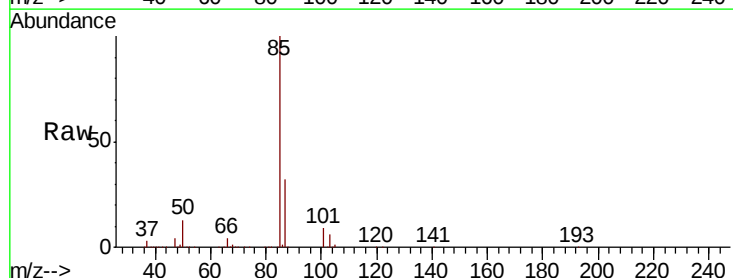
Acq: 24 Oct 2018 15:31

Tgt Ion: 85 Resp: 1908595

Ion Ratio Lower Upper

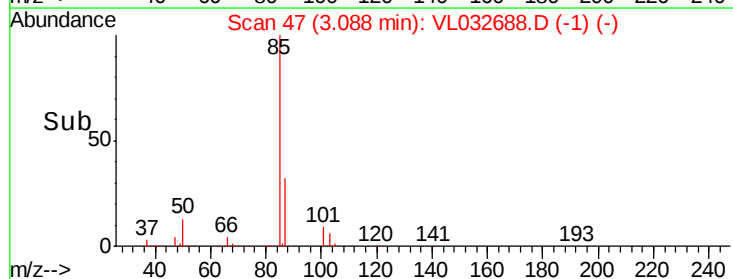
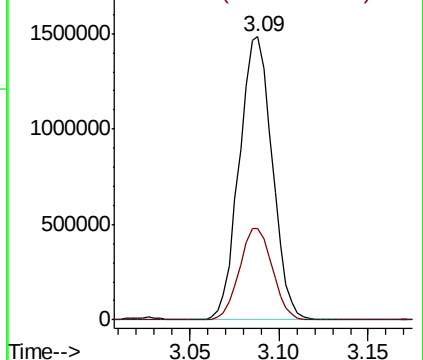
85 100

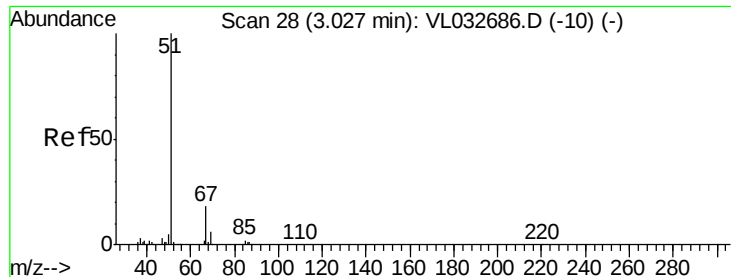
87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

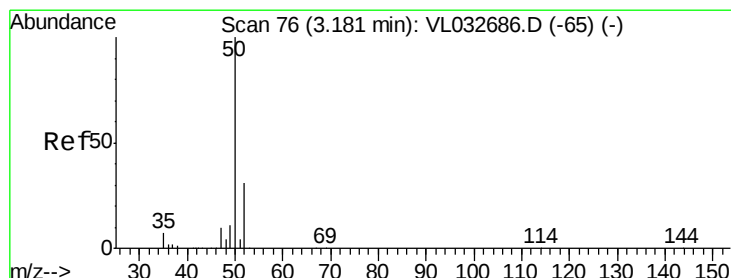
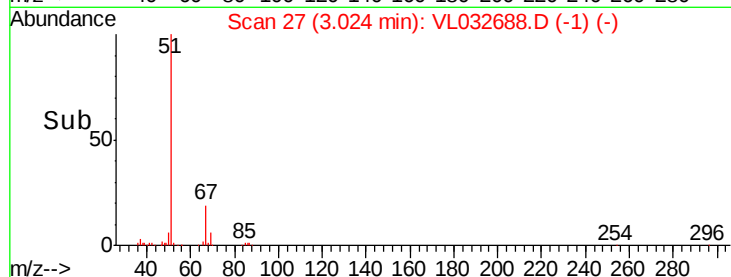
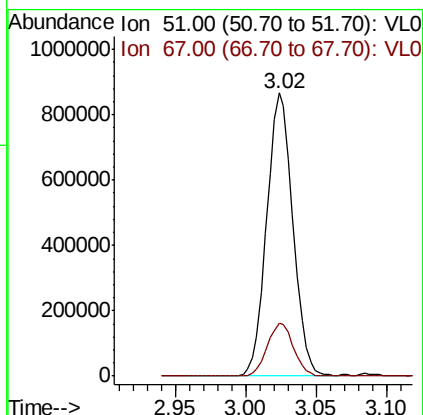
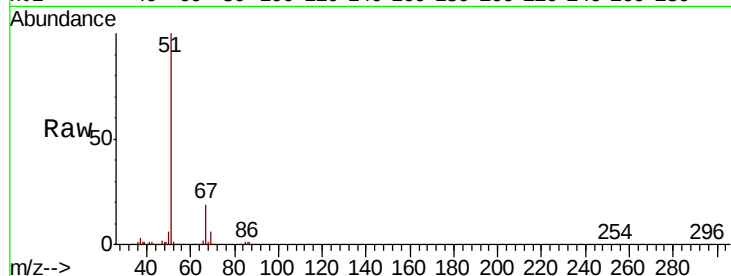




#3
 Chlorodifluoromethane
 Concen: 9.093 ppbv
 RT: 3.02 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

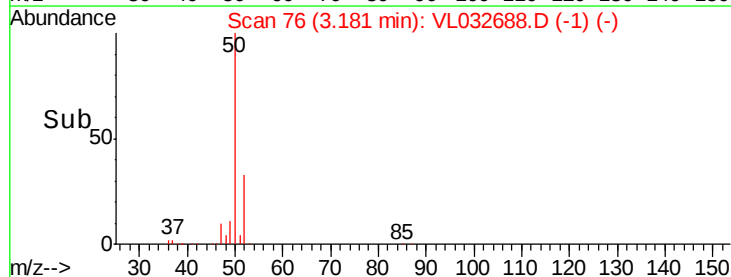
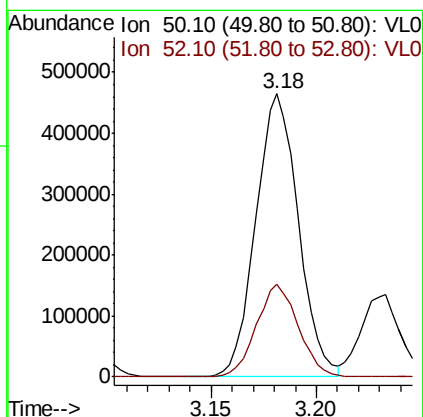
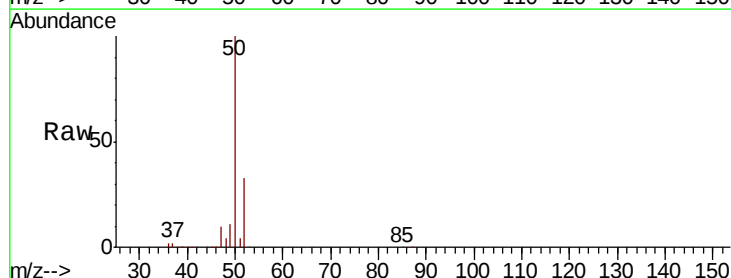
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

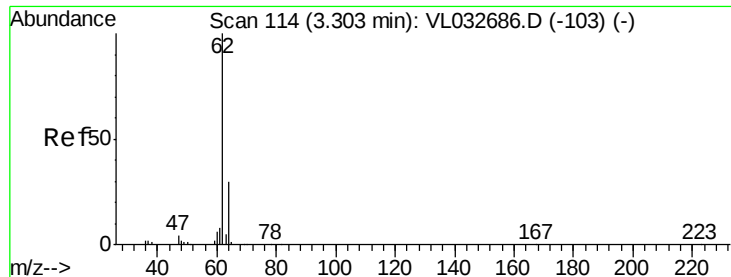
Tgt Ion: 51 Resp: 1120184
 Ion Ratio Lower Upper
 51 100
 67 18.7 15.2 22.8



#4
 Chloromethane
 Concen: 9.461 ppbv
 RT: 3.18 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 50 Resp: 651348
 Ion Ratio Lower Upper
 50 100
 52 32.6 25.9 38.9





#5

Vinyl Chloride

Concen: 8.808 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

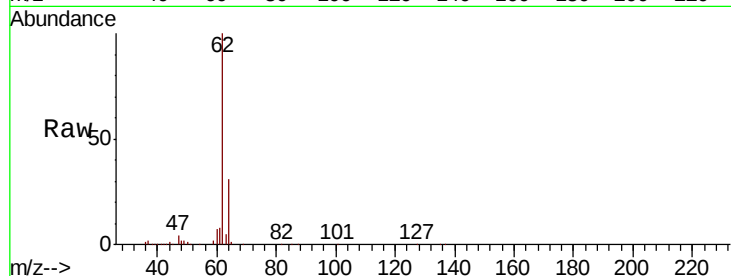
VL1024ABS01

Tgt Ion: 62 Resp: 656801

Ion Ratio Lower Upper

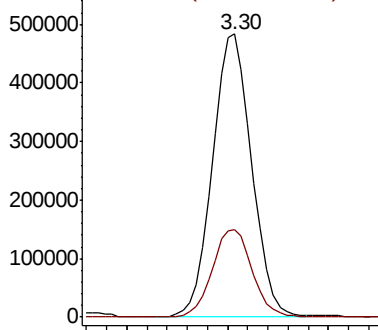
62 100

64 31.1 25.5 38.3

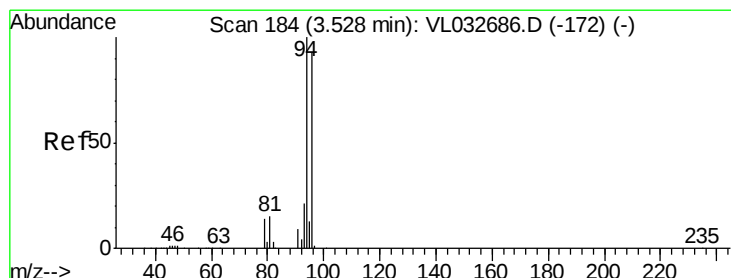
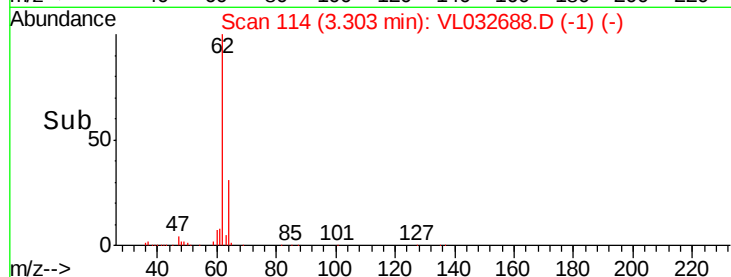


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.040 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032688.D

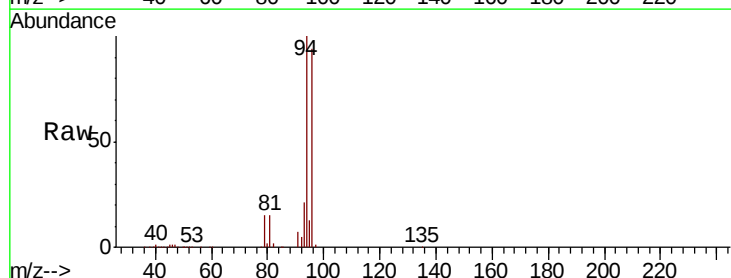
Acq: 24 Oct 2018 15:31

Tgt Ion: 94 Resp: 420278

Ion Ratio Lower Upper

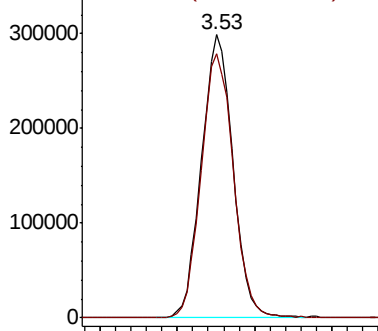
94 100

96 93.5 69.8 104.8

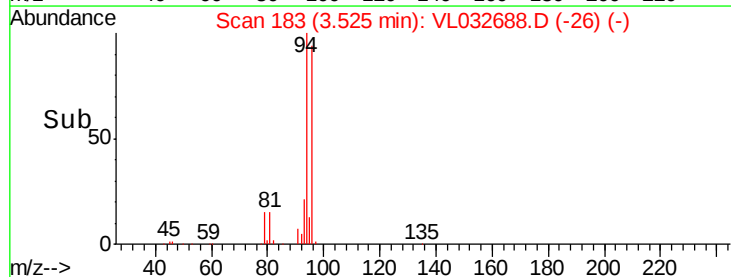


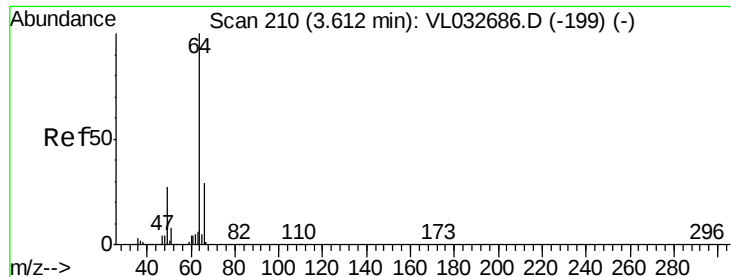
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 9.419 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

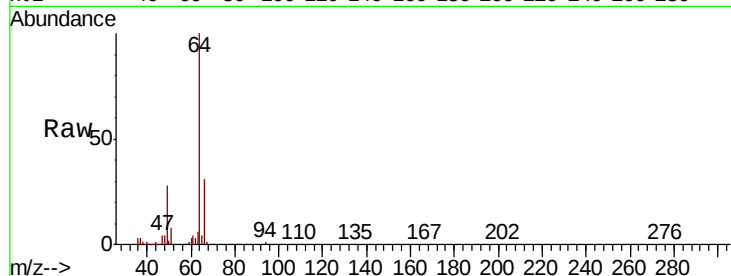
VL1024ABS01

Tgt Ion: 64 Resp: 258636

Ion Ratio Lower Upper

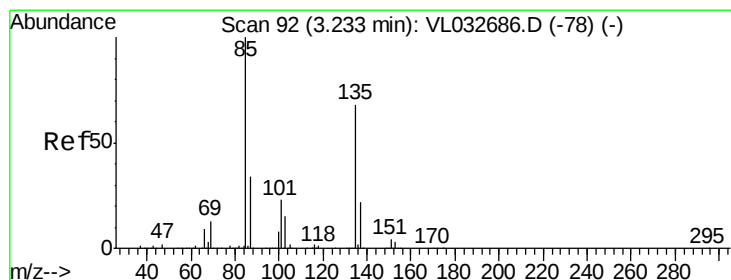
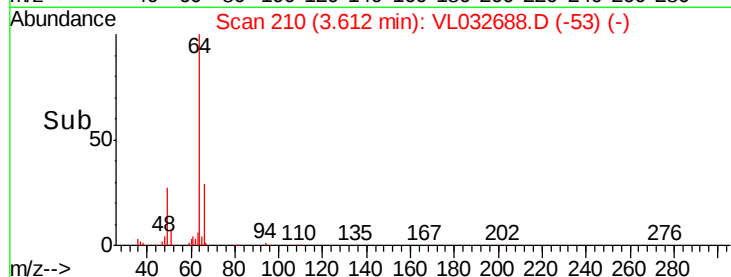
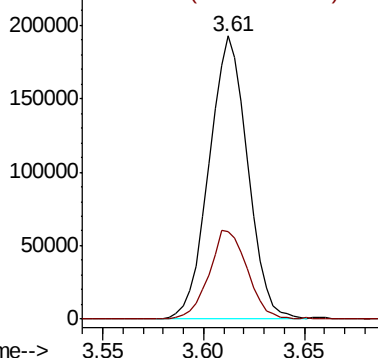
64 100

66 31.0 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.043 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032688.D

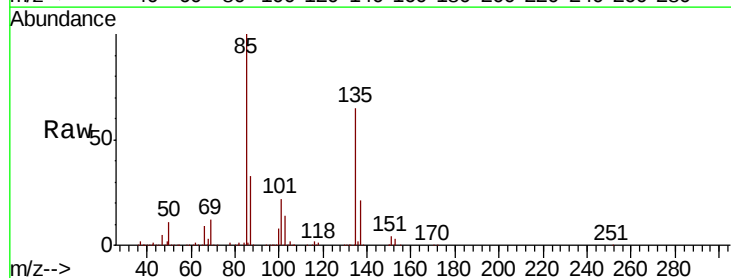
Acq: 24 Oct 2018 15:31

Tgt Ion: 85 Resp: 1529669

Ion Ratio Lower Upper

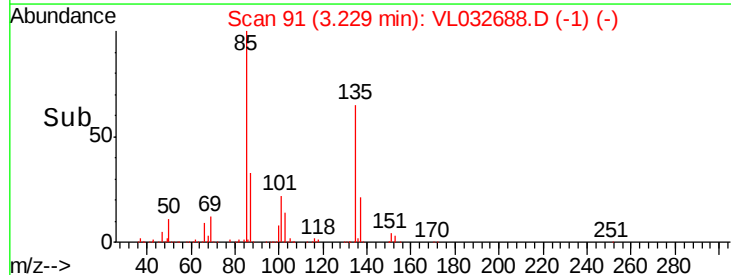
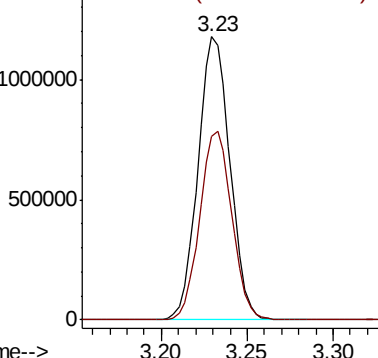
85 100

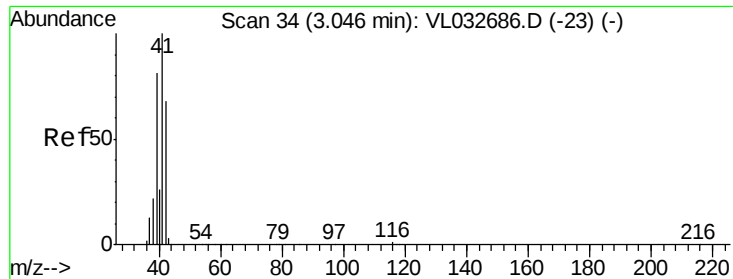
135 67.0 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.070 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

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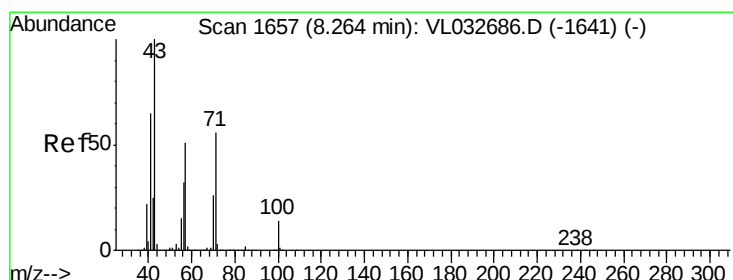
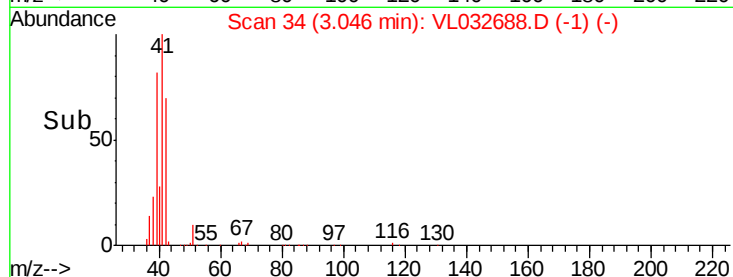
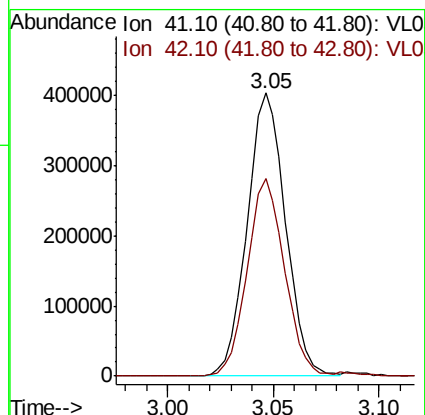
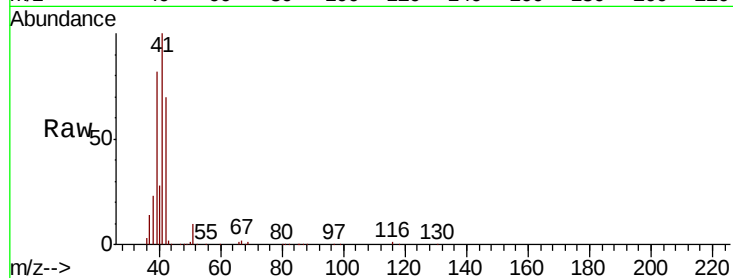
VL1024ABS01

Tgt Ion: 41 Resp: 510483

Ion Ratio Lower Upper

41 100

42 69.1 55.4 83.0



#10

Heptane

Concen: 10.157 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL032688.D

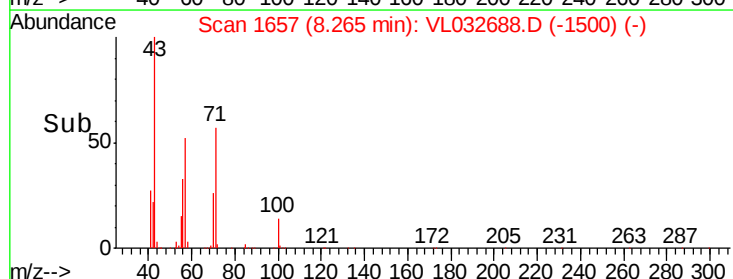
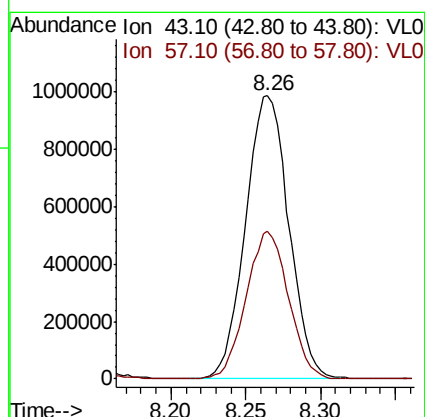
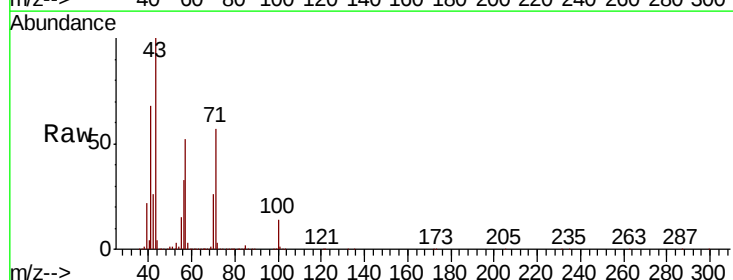
Acq: 24 Oct 2018 15:31

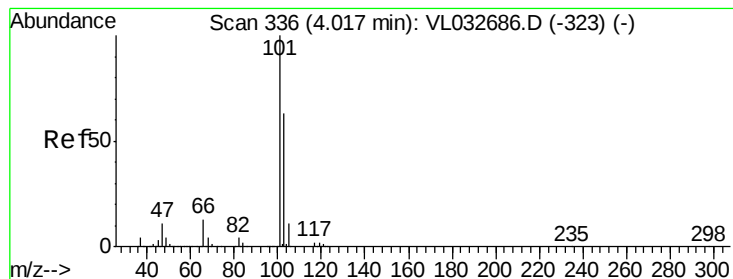
Tgt Ion: 43 Resp: 1984337

Ion Ratio Lower Upper

43 100

57 51.1 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.326 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

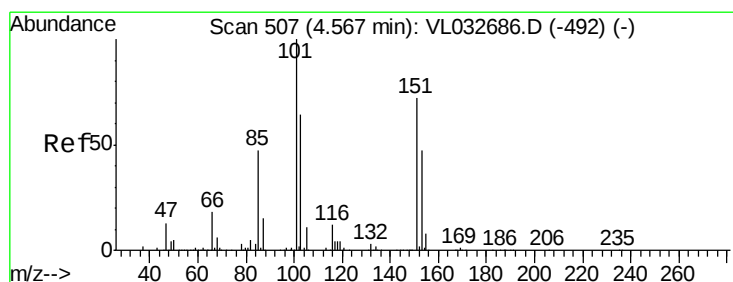
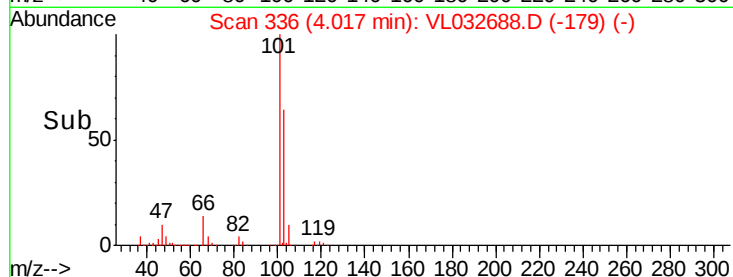
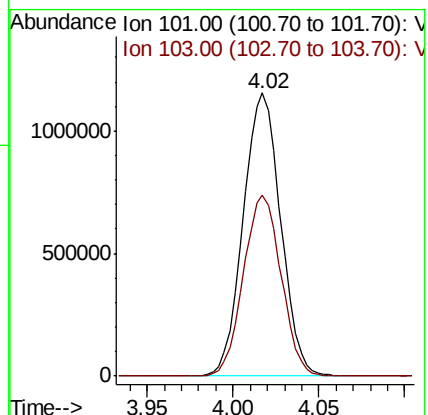
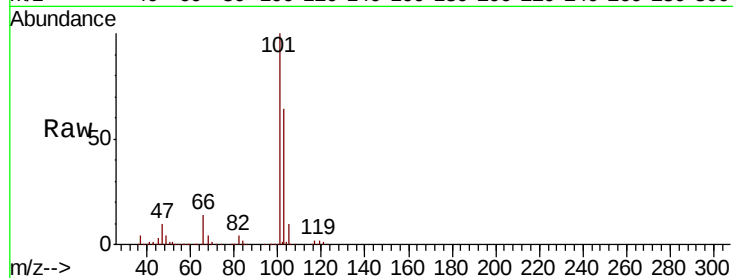
VL1024ABS01

Tgt Ion:101 Resp: 1745434

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.018 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032688.D

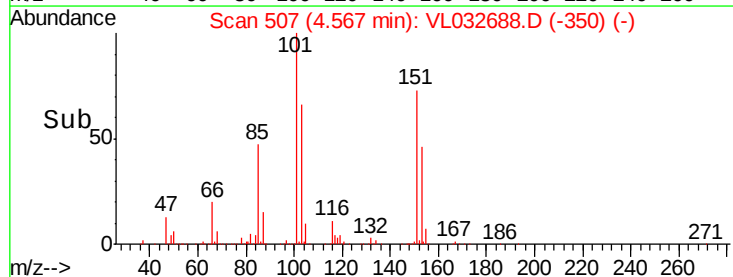
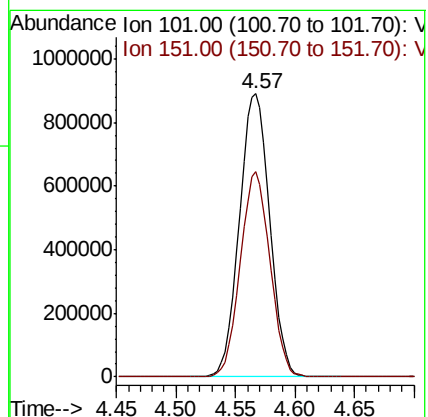
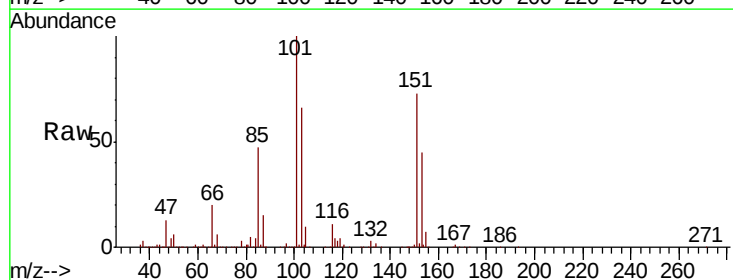
Acq: 24 Oct 2018 15:31

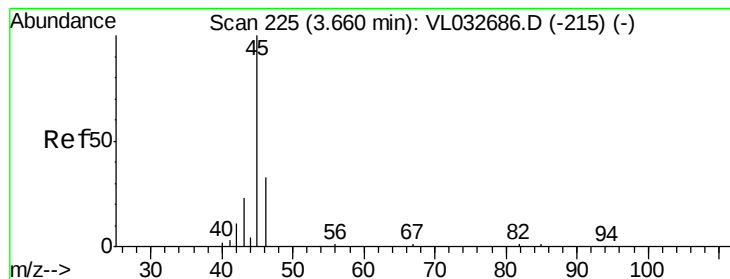
Tgt Ion:101 Resp: 1572170

Ion Ratio Lower Upper

101 100

151 71.2 52.3 78.5





#13

Ethanol

Concen: 8.967 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

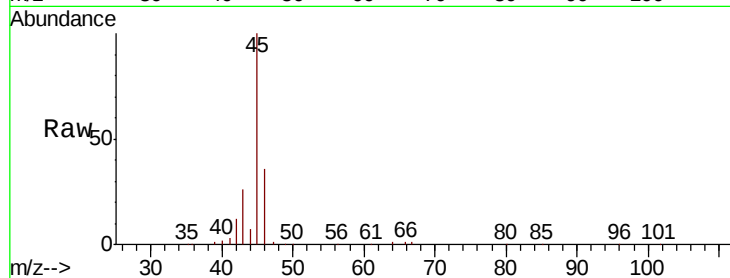
VL1024ABS01

Tgt Ion: 45 Resp: 129921

Ion Ratio Lower Upper

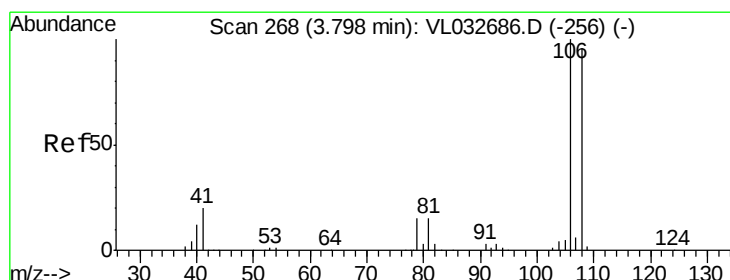
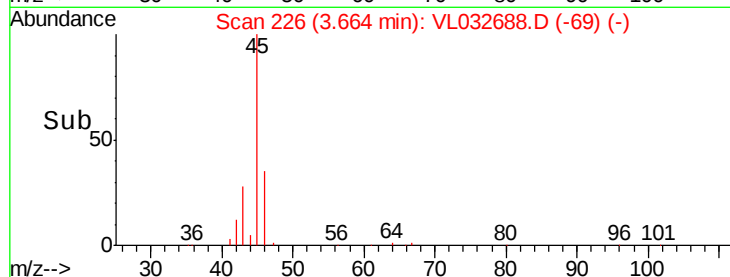
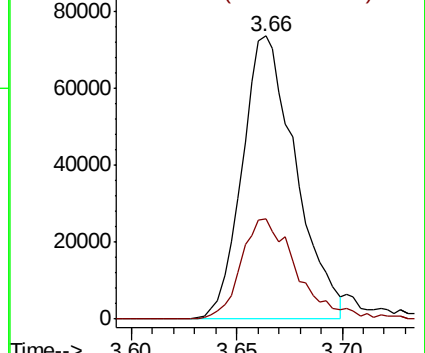
45 100

46 37.6 15.4 61.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.123 ppbv

RT: 3.80 min Scan# 269

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

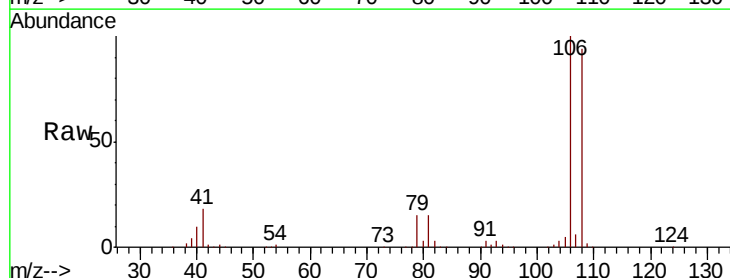
Tgt Ion: 108 Resp: 537493

Ion Ratio Lower Upper

108 100

106 107.5 85.0 127.4

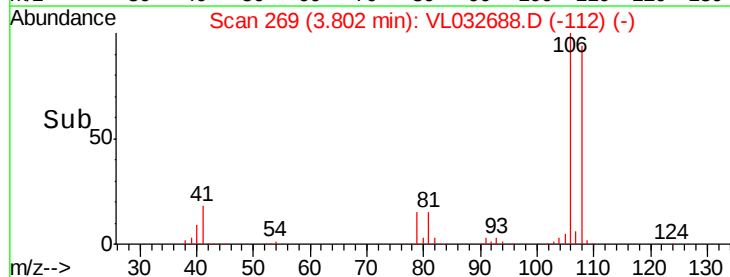
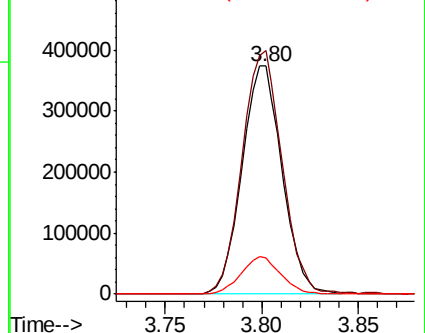
79 16.4 13.7 20.5

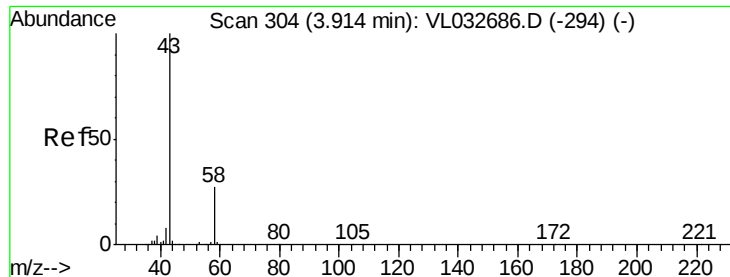


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

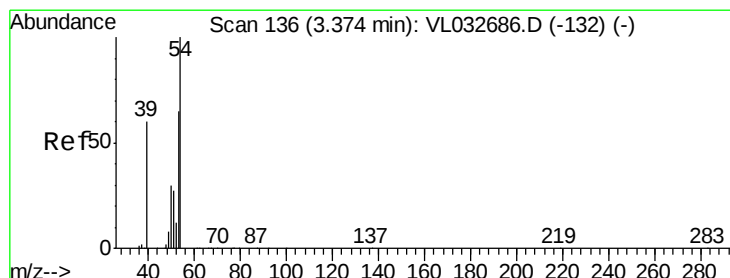
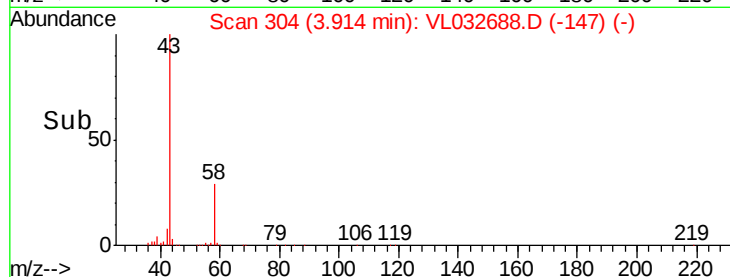
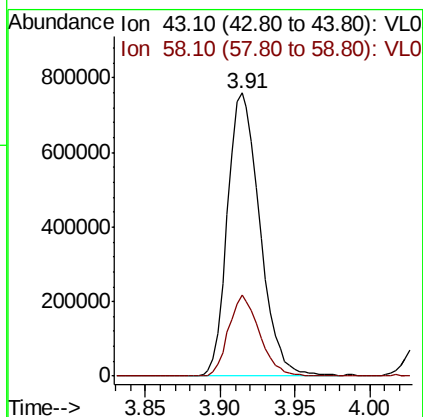
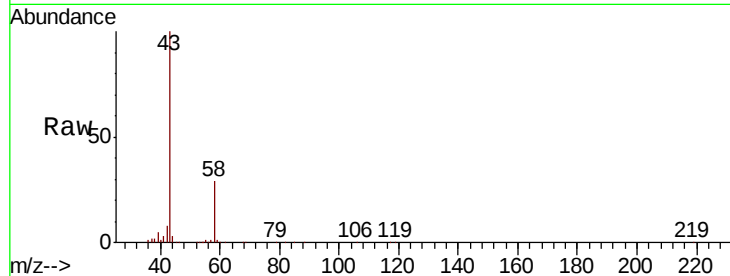




#15
Acetone
Concen: 7.873 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

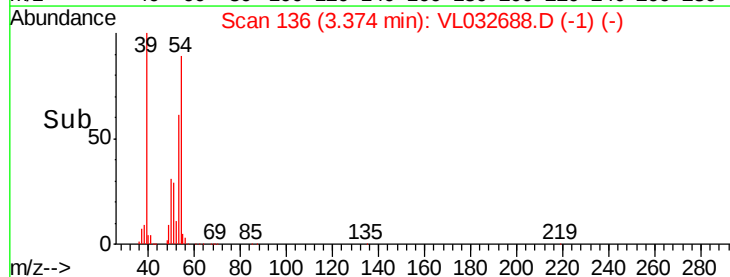
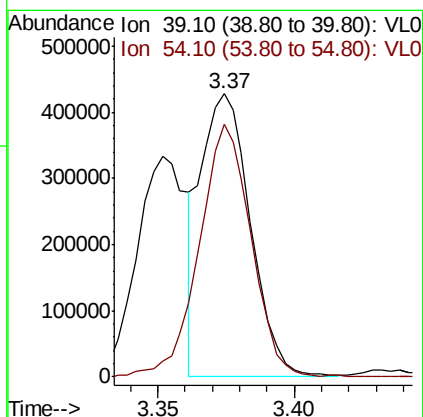
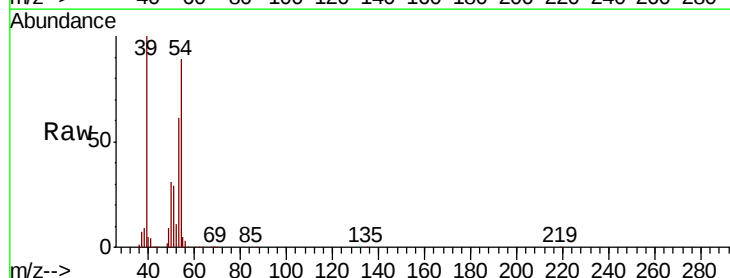
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

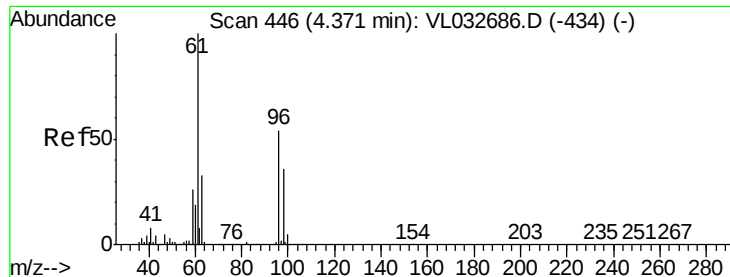
Tgt Ion: 43 Resp: 1145149
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#16
1,3-Butadiene
Concen: 10.036 ppbv
RT: 3.37 min Scan# 136
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion: 39 Resp: 537034
Ion Ratio Lower Upper
39 100
54 94.6 90.4 135.6





#17

tert-Butyl alcohol

Concen: 11.161 ppbv

RT: 4.37 min Scan# 447

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

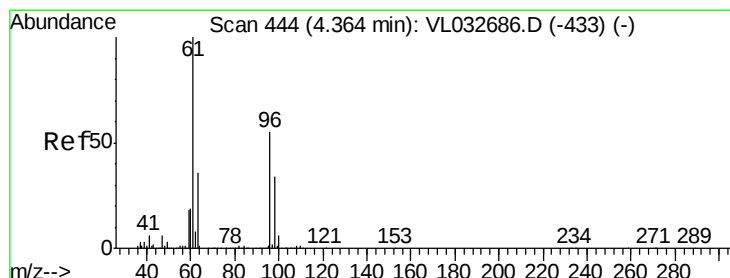
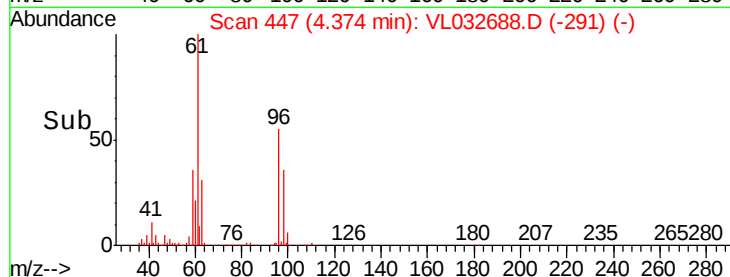
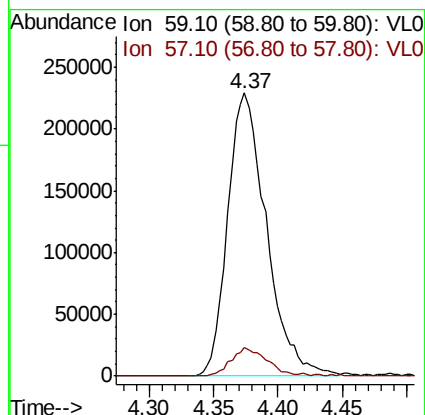
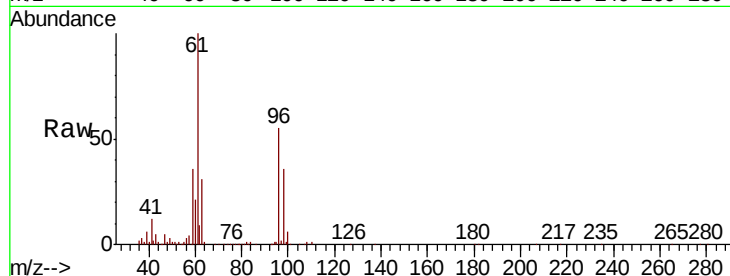
VL1024ABS01

Tgt Ion: 59 Resp: 477476

Ion Ratio Lower Upper

59 100

57 9.8 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 10.217 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

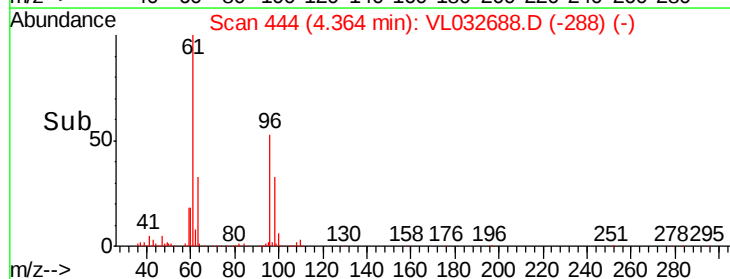
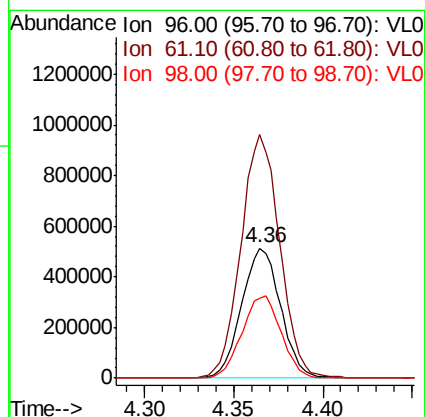
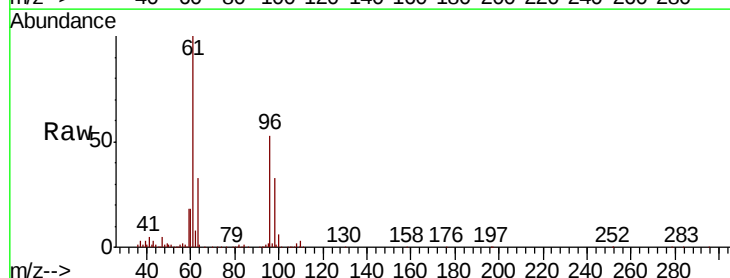
Tgt Ion: 96 Resp: 782464

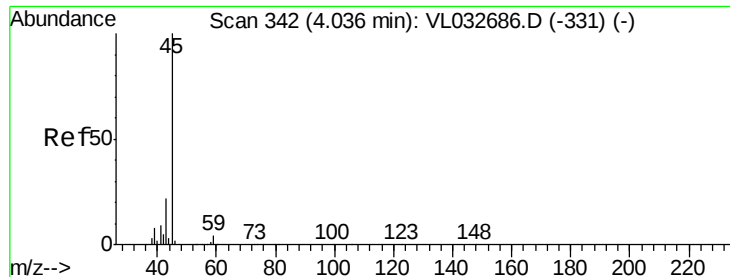
Ion Ratio Lower Upper

96 100

61 186.9 151.6 227.4

98 61.8 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.393 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.01 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

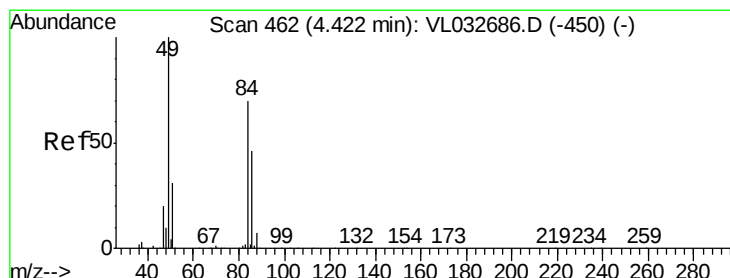
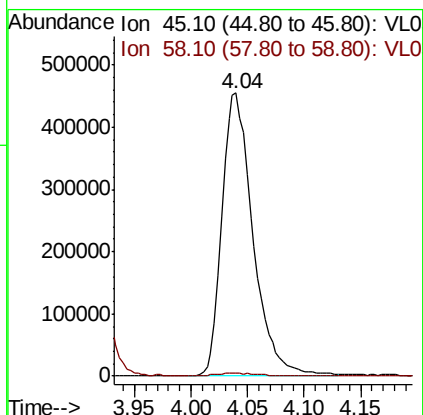
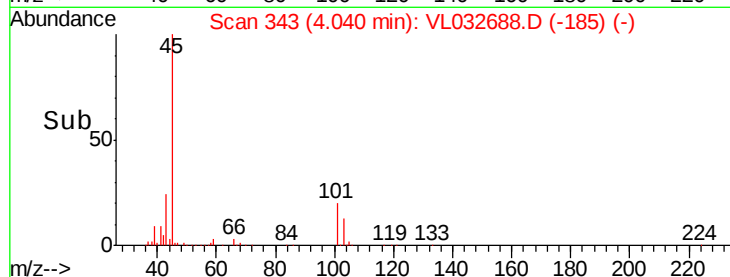
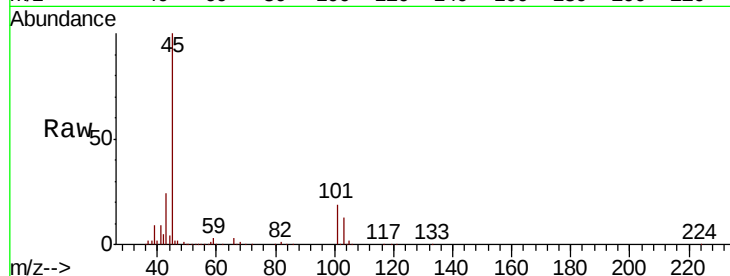
VL1024ABS01

Tgt Ion: 45 Resp: 869436

Ion Ratio Lower Upper

45 100

58 1.6 2.0 3.0#



#20

Methylene Chloride

Concen: 9.024 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Tgt Ion: 84 Resp: 666318

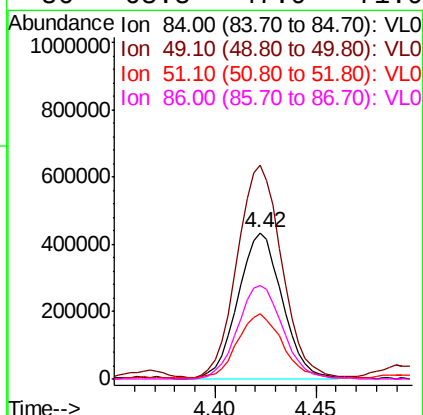
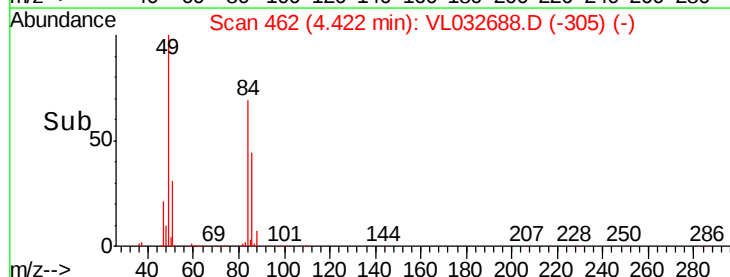
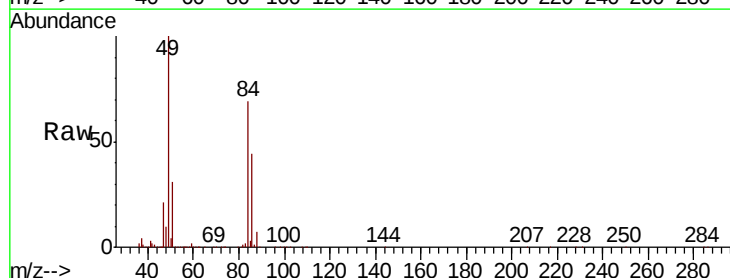
Ion Ratio Lower Upper

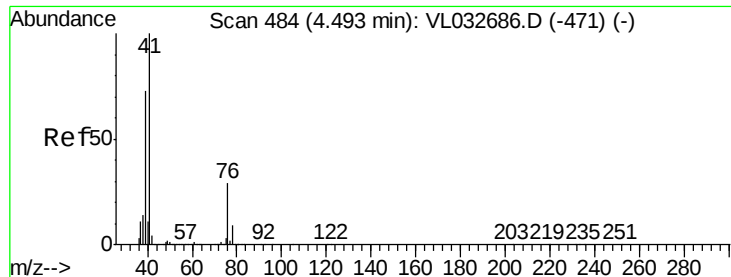
84 100

49 145.4 113.5 170.3

51 44.4 34.8 52.2

86 63.8 47.9 71.9





#21

Allyl Chloride

Concen: 10.855 ppbv

RT: 4.49 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

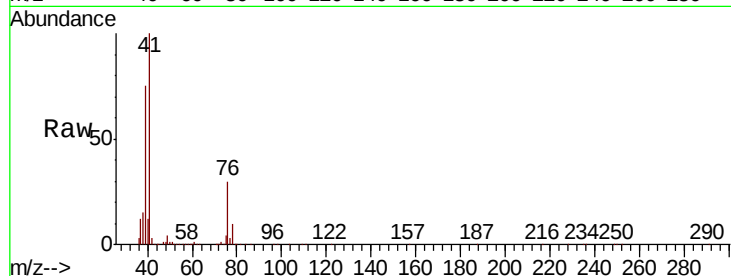
Tgt Ion: 41 Resp: 1296352

Ion Ratio Lower Upper

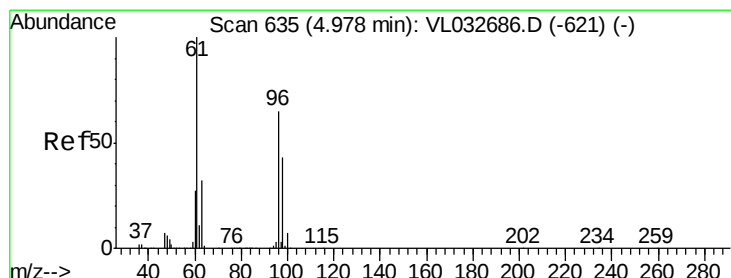
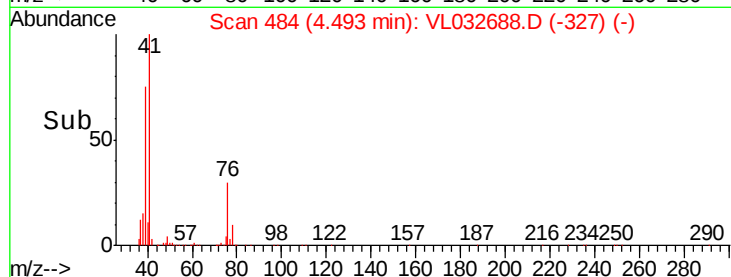
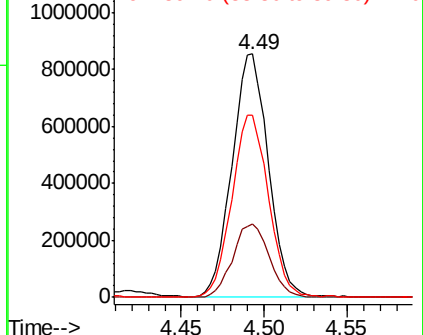
41 100

76 30.5 24.3 36.5

39 76.0 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: 9.537 ppbv

RT: 4.98 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

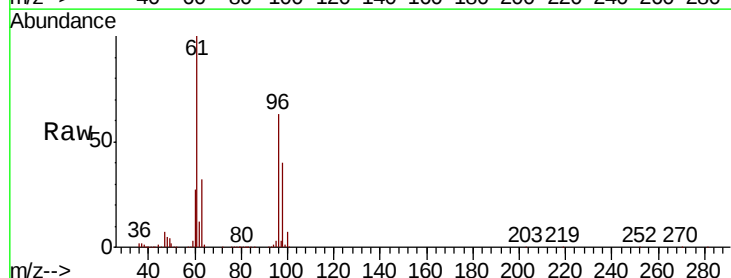
Tgt Ion: 96 Resp: 749173

Ion Ratio Lower Upper

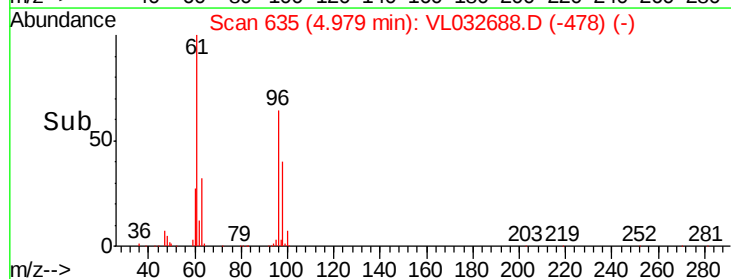
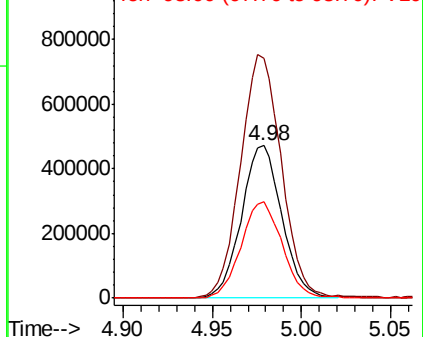
96 100

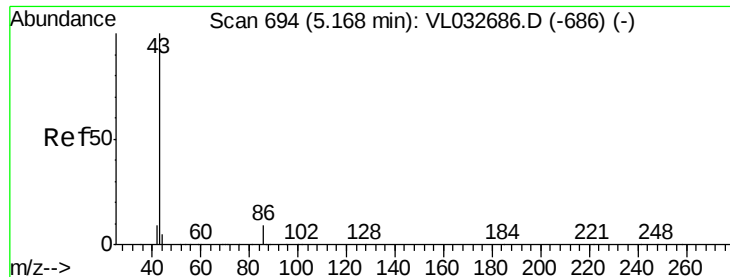
61 157.6 140.4 210.6

98 63.5 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: 10.256 ppbv

RT: 5.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

Tgt Ion: 43 Resp: 2643483

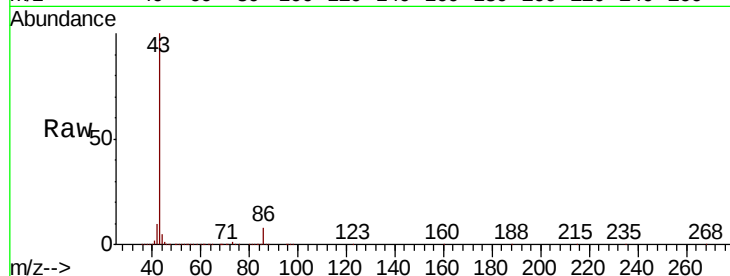
Ion Ratio Lower Upper

43 100

86 8.3 6.1 9.1

42 9.7 7.4 11.2

44 5.2 4.2 6.2

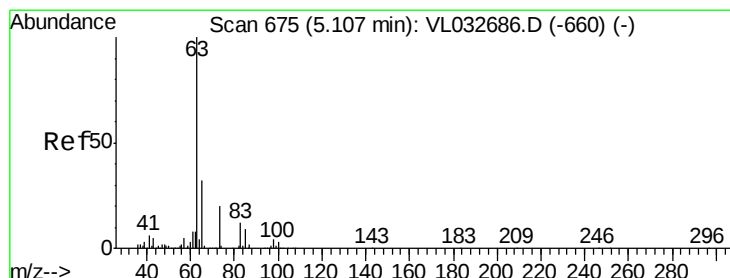
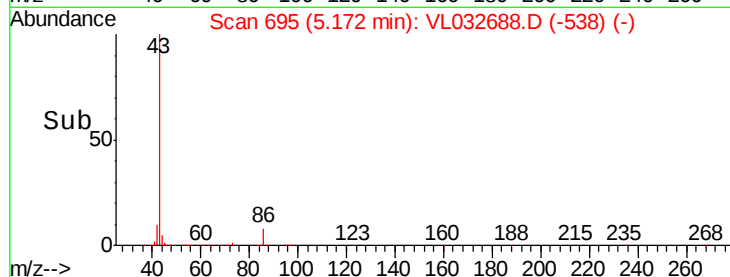
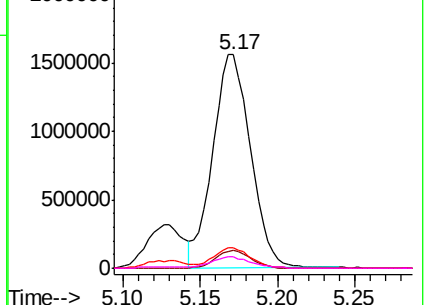


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.277 ppbv

RT: 5.10 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

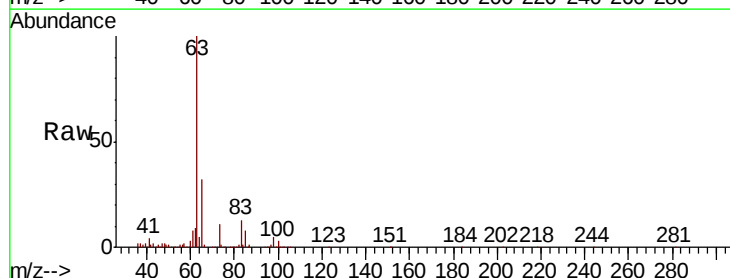
Tgt Ion: 63 Resp: 1877065

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.3

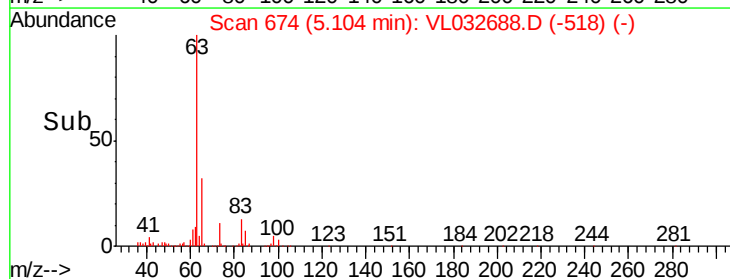
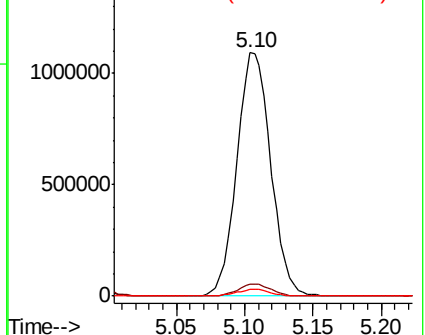
100 2.9 1.2 3.6

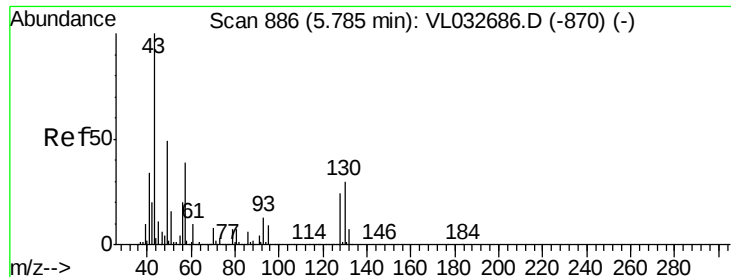


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

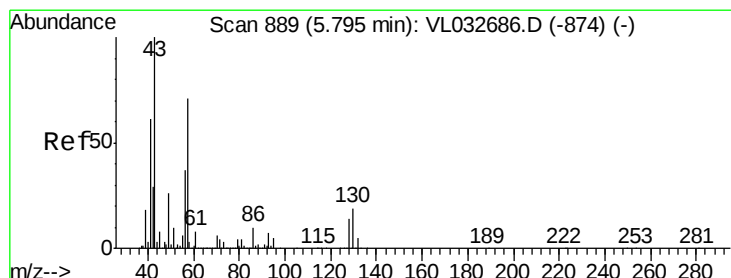
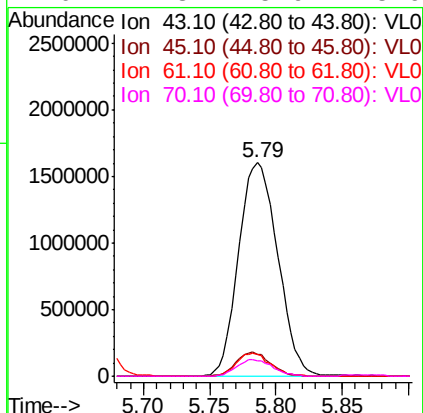
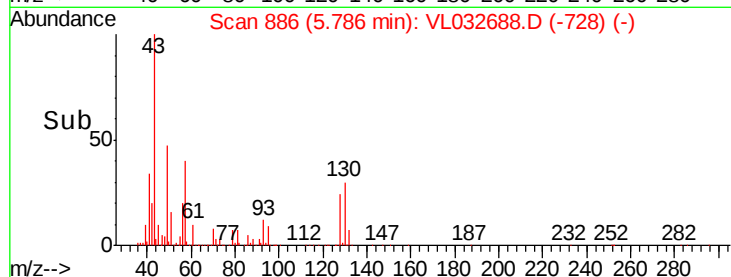
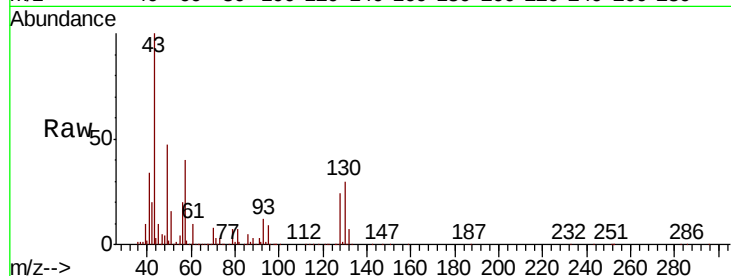




#25
Ethyl Acetate
Concen: 9.859 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

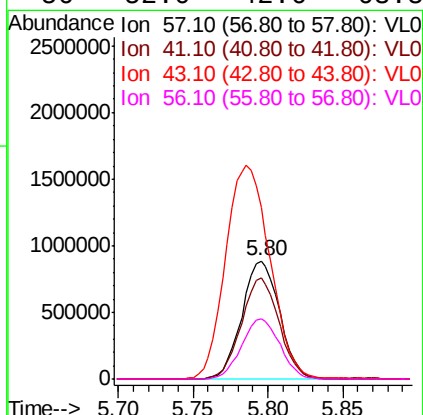
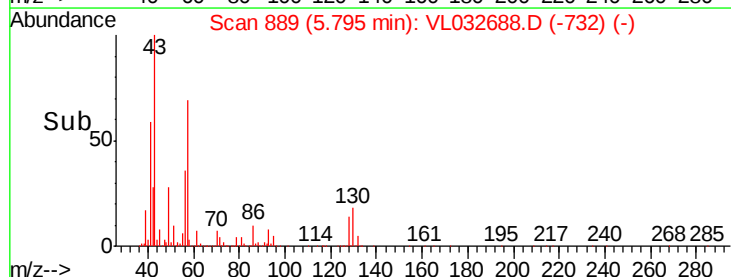
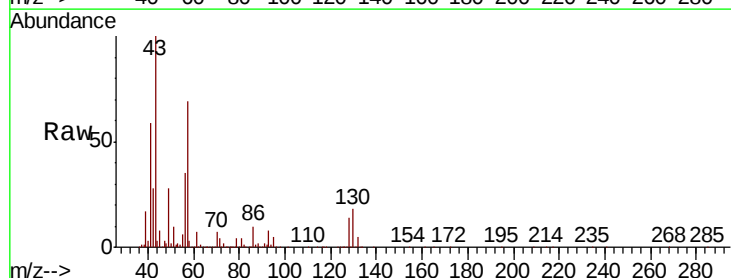
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

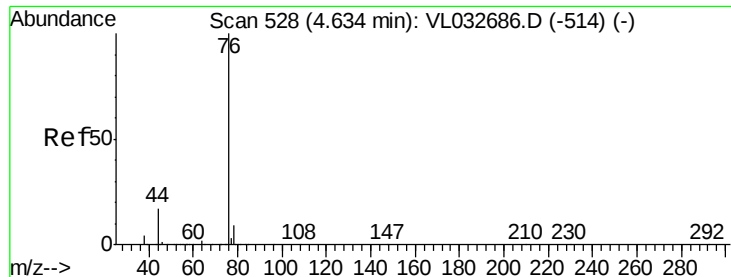
Tgt Ion:	43	Resp:	3300827
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.5	8.0	12.0
70	7.3	5.9	8.9



#26
Hexane
Concen: 9.788 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion:	57	Resp:	1550641
Ion	Ratio	Lower	Upper
57	100		
41	85.5	67.4	101.0
43	213.8	171.9	257.9
56	52.0	42.6	63.8





#27

Carbon Disulfide

Concen: 8.890 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

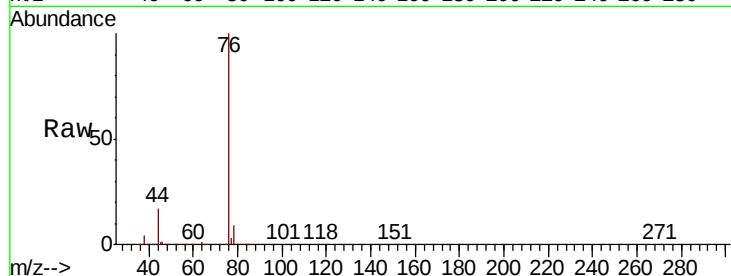
Tgt Ion: 76 Resp: 1708497

Ion	Ratio	Lower	Upper
76	100		
44	17.1	13.7	20.5
78	9.4	7.4	11.2

76 100

44 17.1 13.7 20.5

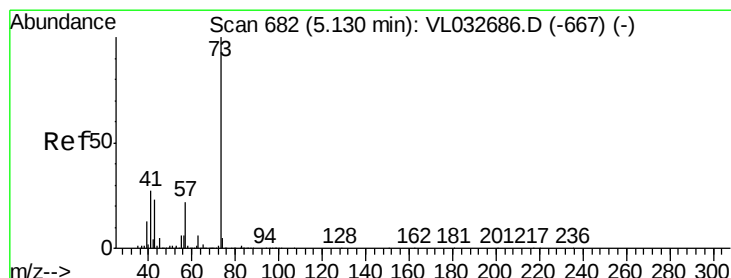
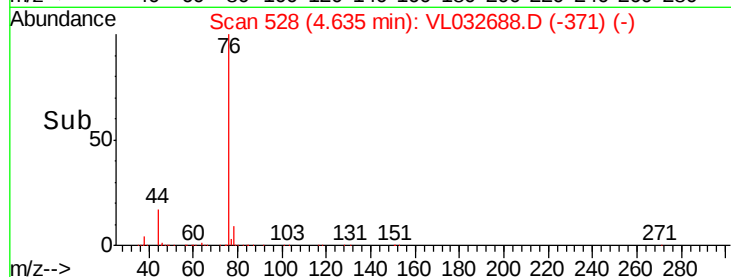
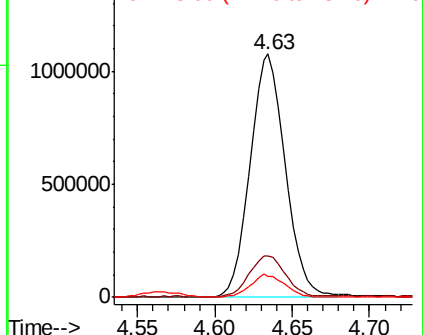
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.145 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.00 min

Lab File: VL032688.D

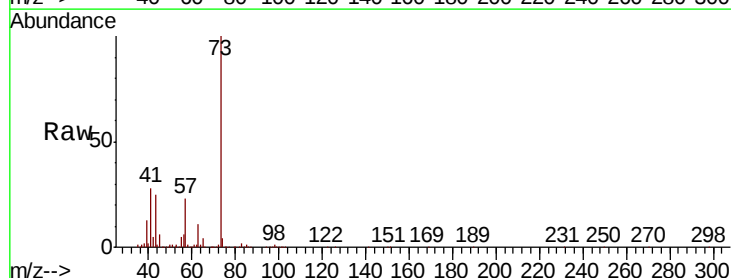
Acq: 24 Oct 2018 15:31

Tgt Ion: 73 Resp: 2309891

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0

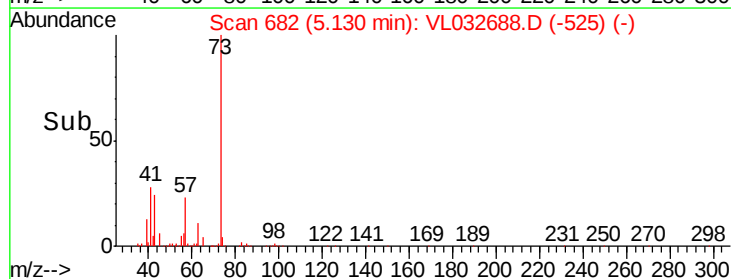
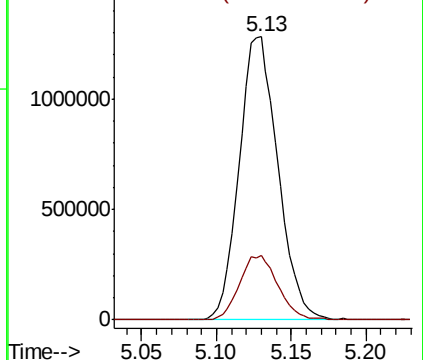
73 100

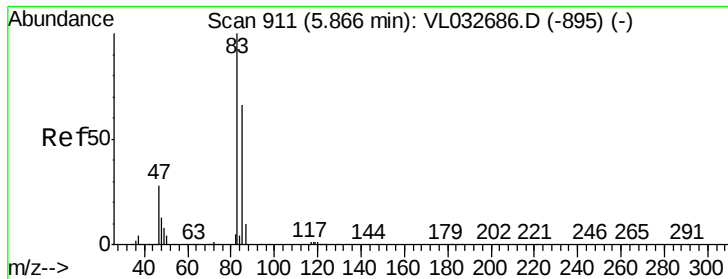
57 22.8 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

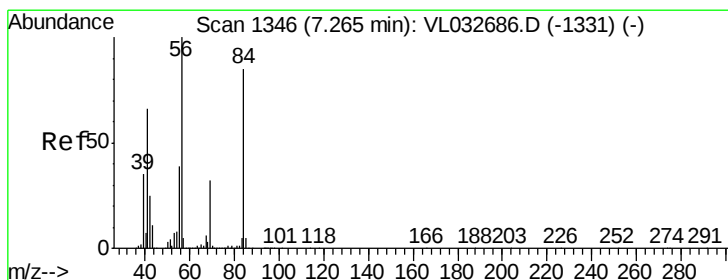
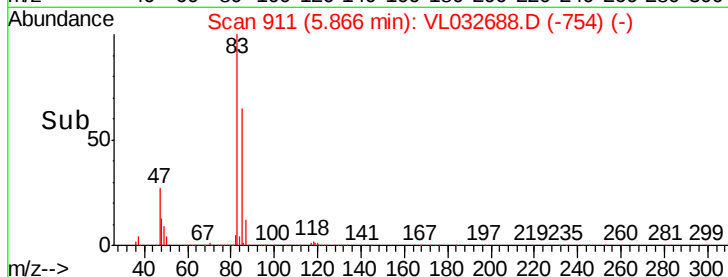
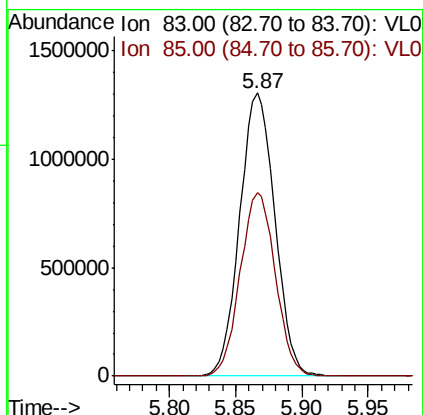
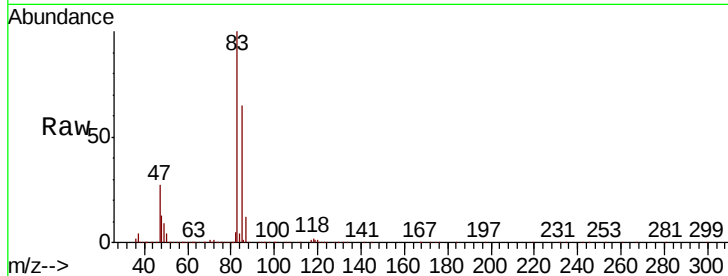




#29
Chloroform
Concen: 9.529 ppbv
RT: 5.87 min Scan# 911
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

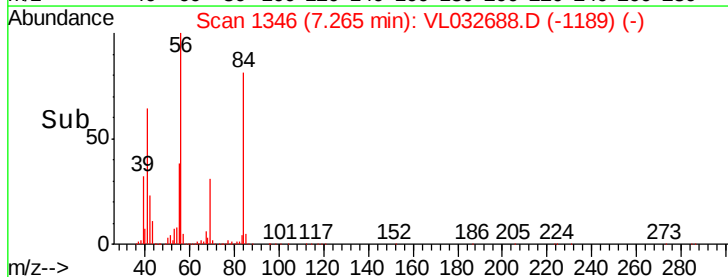
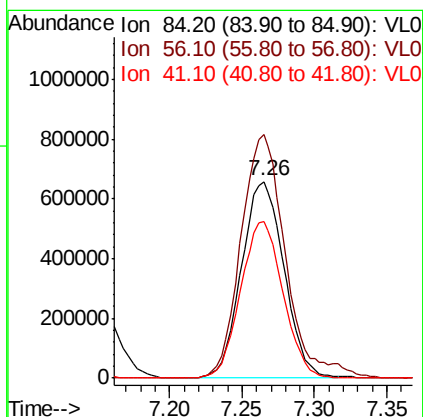
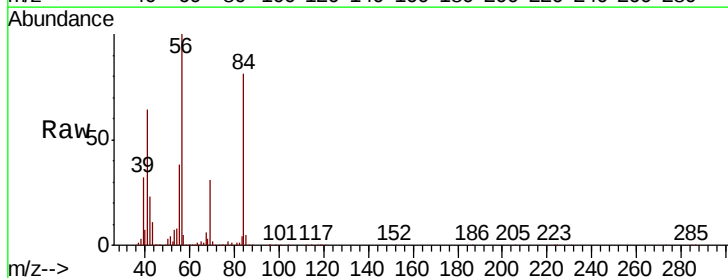
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

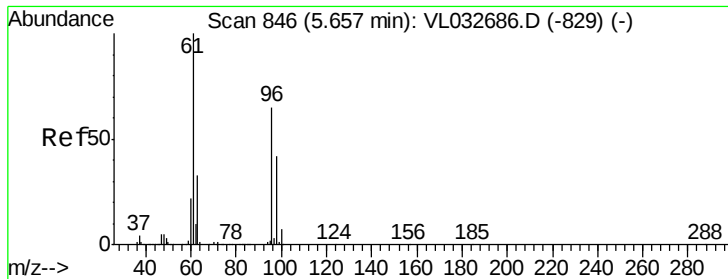
Tgt Ion: 83 Resp: 2411390
Ion Ratio Lower Upper
83 100
85 64.8 53.0 79.6



#30
Cyclohexane
Concen: 10.701 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion: 84 Resp: 1341870
Ion Ratio Lower Upper
84 100
56 130.1 108.3 162.5
41 79.3 64.8 97.2



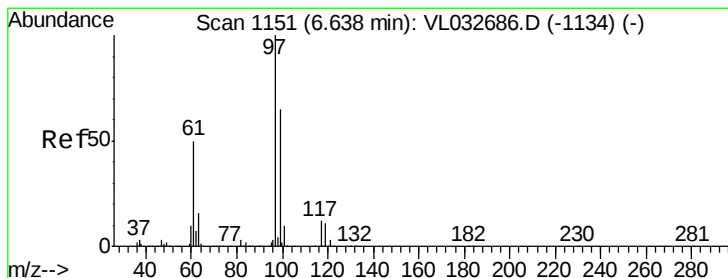
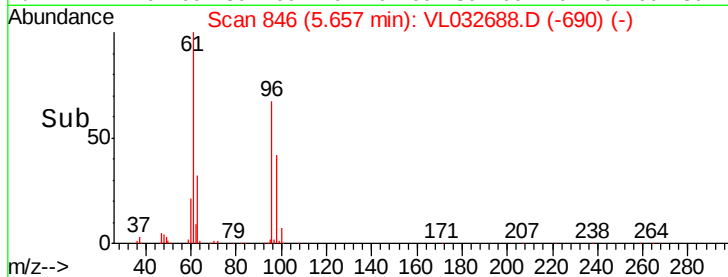
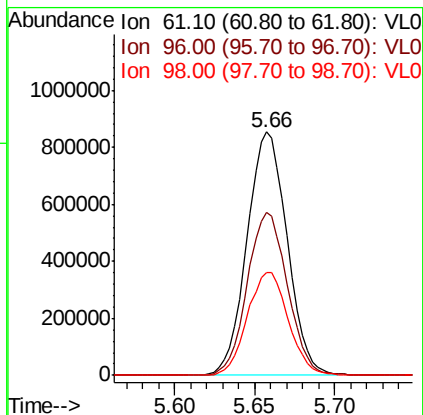
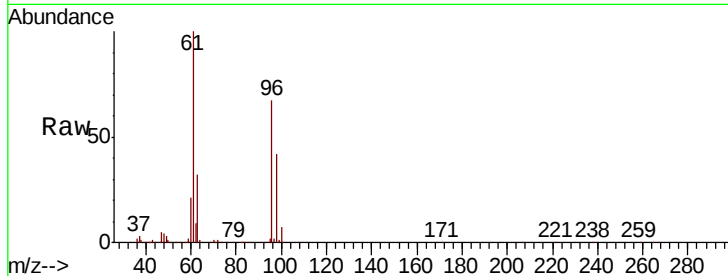


#31

cis-1,2-Dichloroethene
 Concen: 9.982 ppbv
 RT: 5.66 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

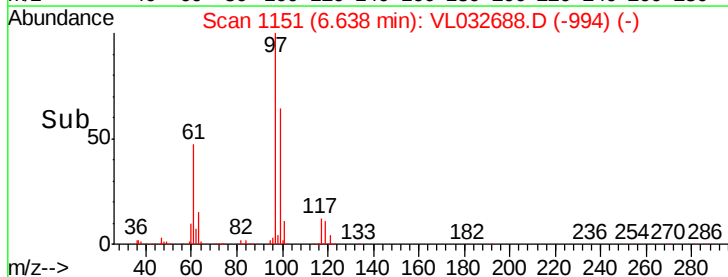
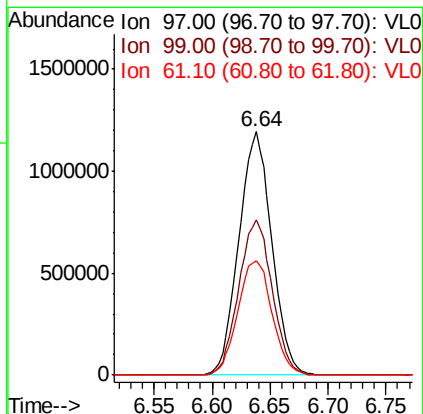
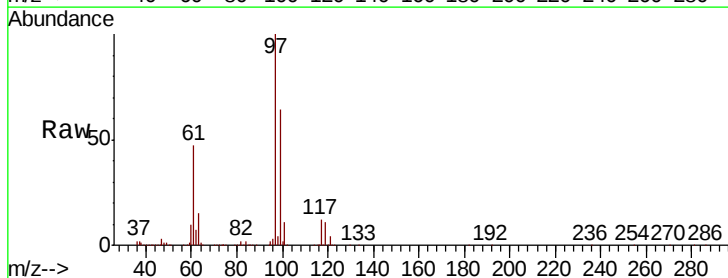
Tgt Ion: 61 Resp: 1466199
 Ion Ratio Lower Upper
 61 100
 96 66.9 51.8 77.6
 98 42.2 33.8 50.6

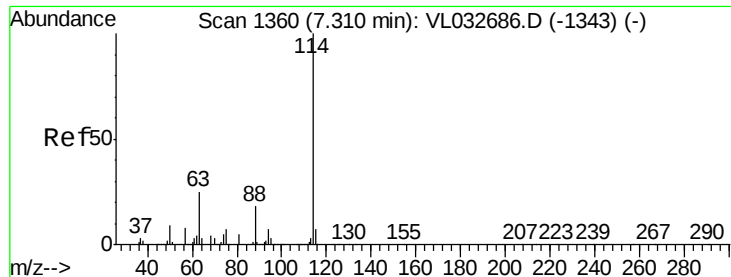


#32

1,1,1-Trichloroethane
 Concen: 9.182 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 97 Resp: 2361156
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.0 78.0
 61 49.2 40.7 61.1

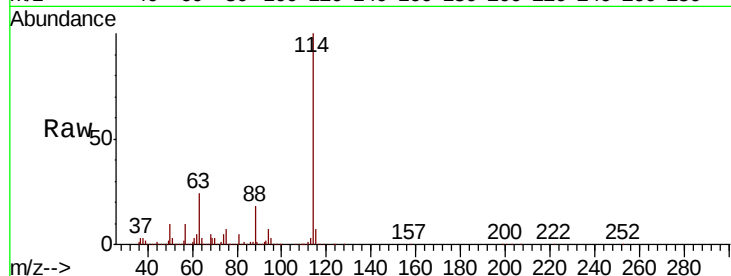




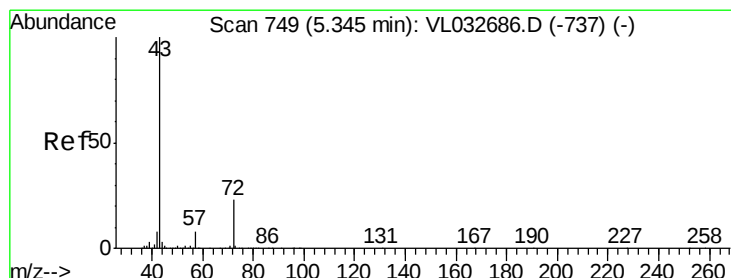
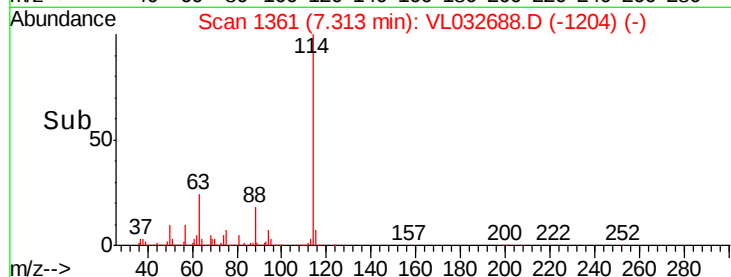
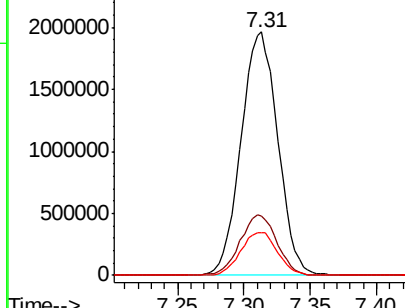
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Tgt Ion:114 Resp: 3787133
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 17.8 14.9 22.3

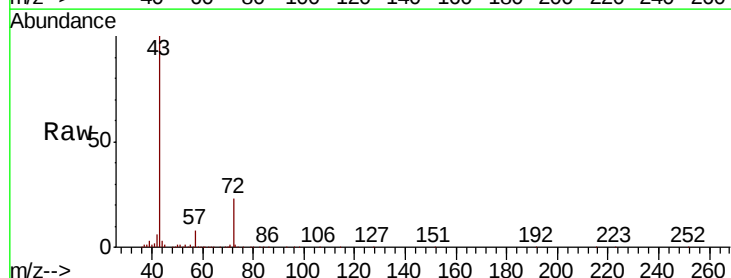


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

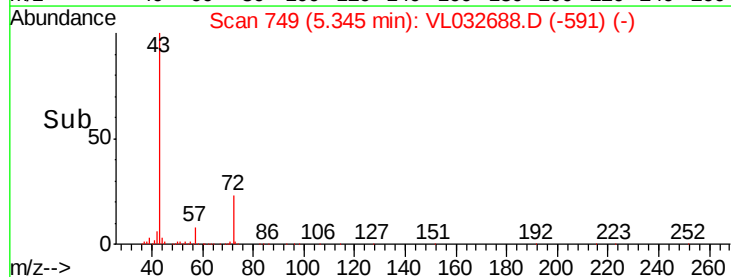
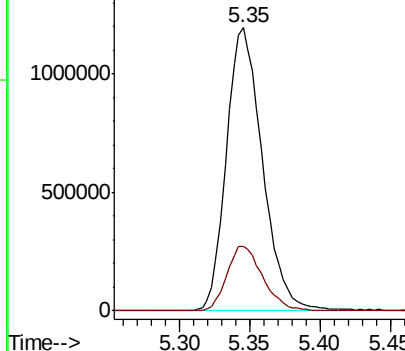


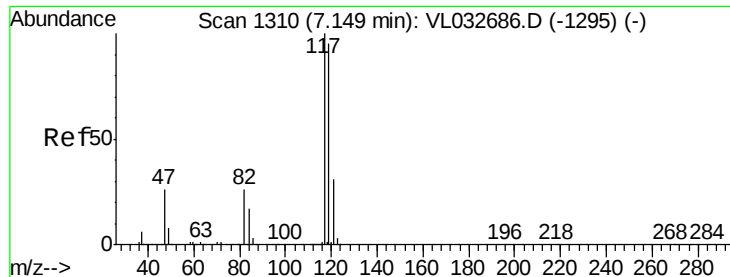
#34
 2-Butanone
 Concen: 10.470 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 43 Resp: 2125601
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.6 27.8



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





#35

Carbon Tetrachloride

Concen: 9.568 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

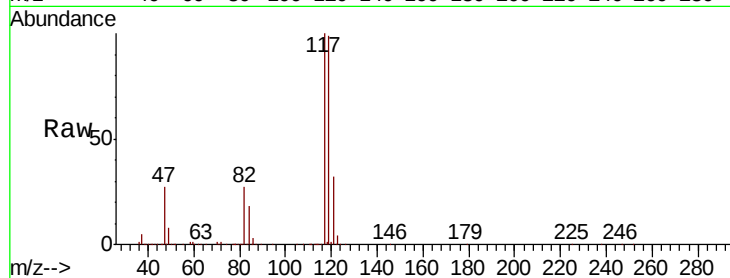
Tgt Ion:117 Resp: 2571648

Ion Ratio Lower Upper

117 100

119 98.9 75.7 113.5

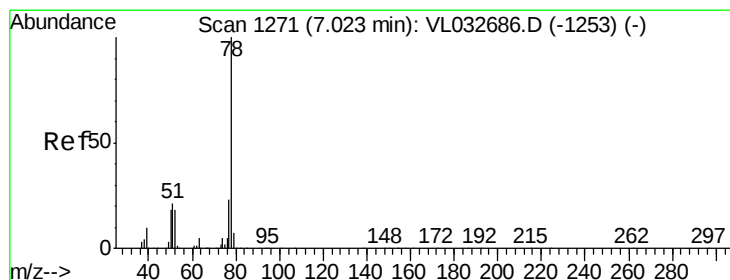
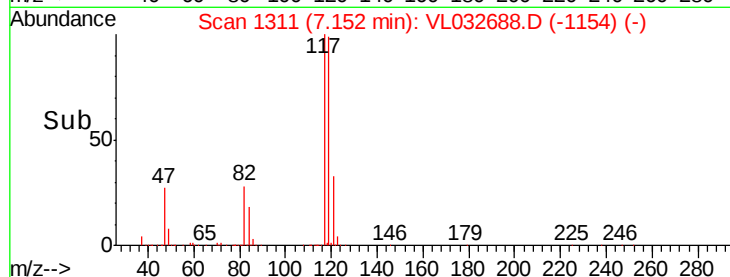
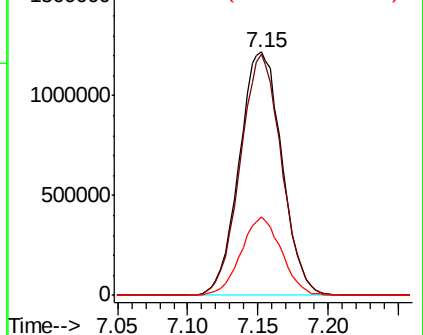
121 32.3 24.7 37.1



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: 10.275 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

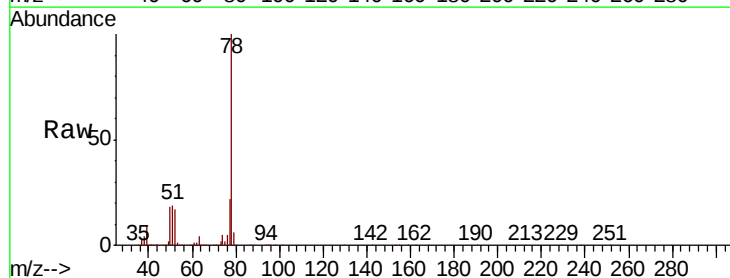
Tgt Ion: 78 Resp: 3160028

Ion Ratio Lower Upper

78 100

77 22.5 18.1 27.1

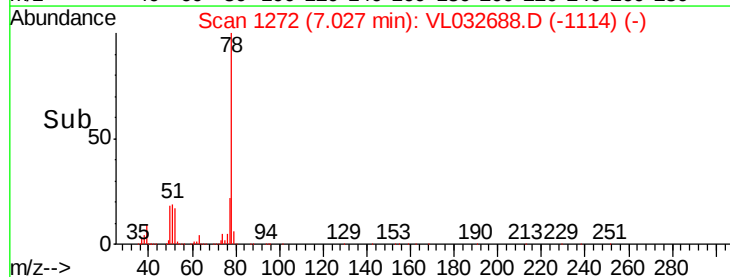
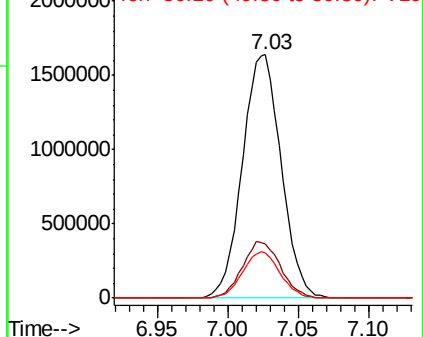
50 18.4 15.1 22.7

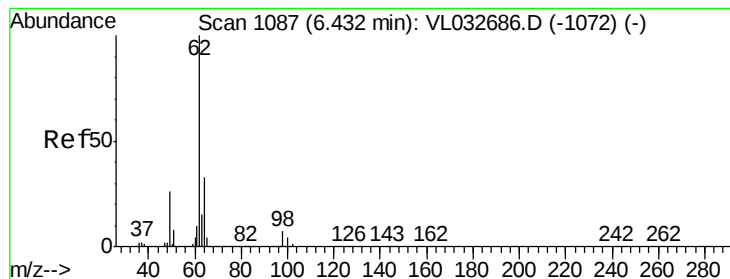


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.666 ppbv

RT: 6.43 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

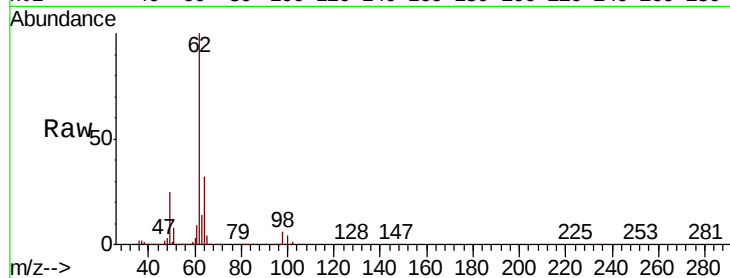
VL1024ABS01

Tgt Ion: 62 Resp: 1823264

Ion Ratio Lower Upper

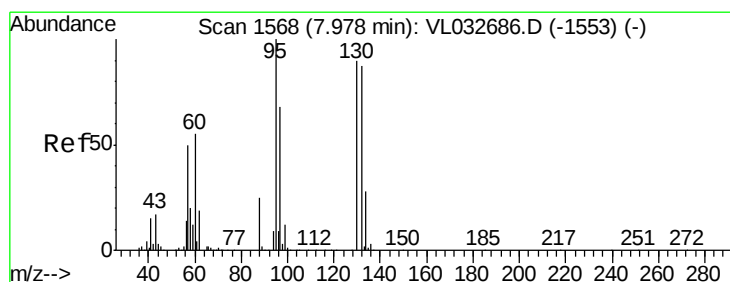
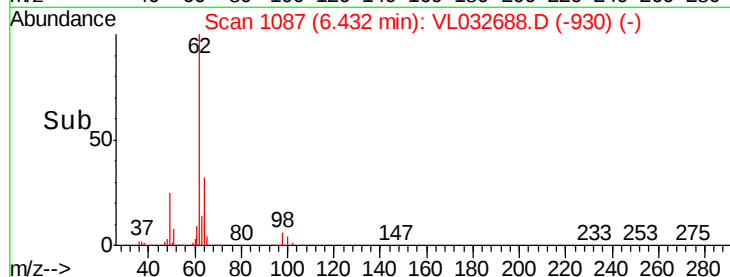
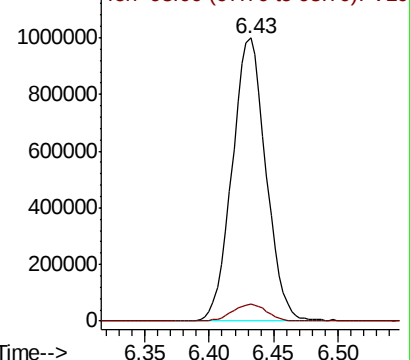
62 100

98 6.2 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.646 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Tgt Ion: 130 Resp: 1211951

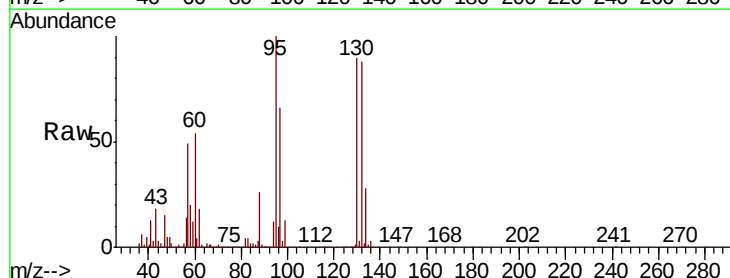
Ion Ratio Lower Upper

130 100

95 112.0 93.4 140.0

132 98.8 76.5 114.7

97 73.7 60.2 90.2

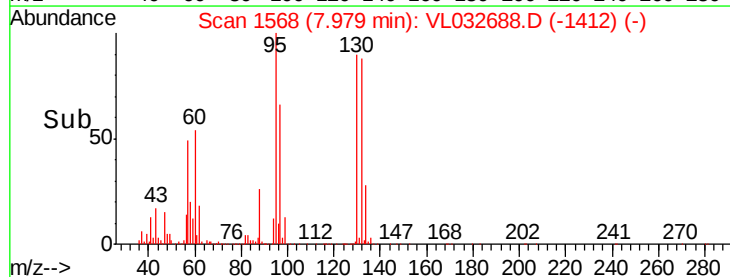
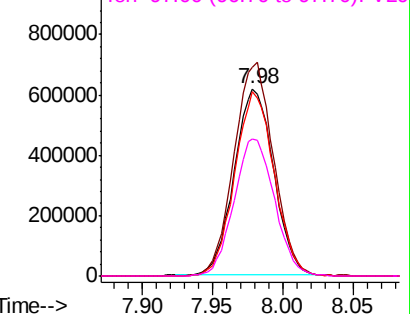


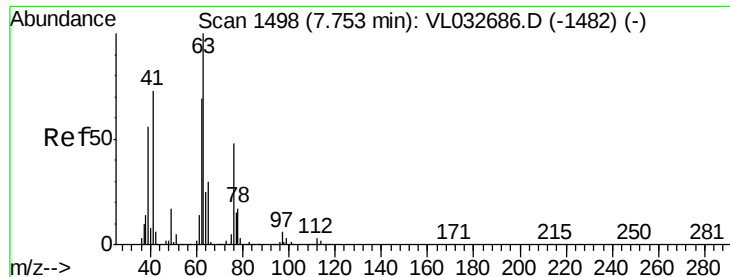
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.243 ppbv

RT: 7.75 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

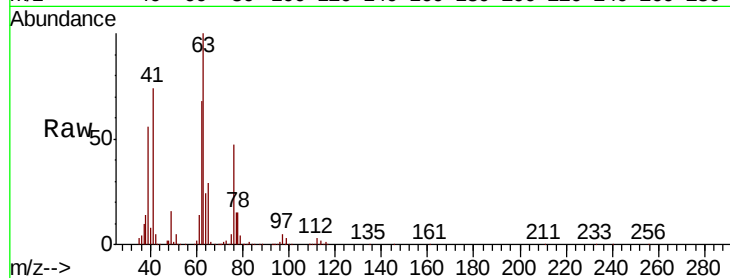
Tgt Ion: 63 Resp: 1216473

Ion Ratio Lower Upper

63 100

41 73.5 56.2 84.4

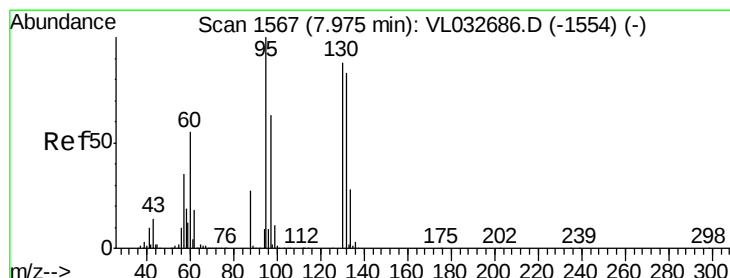
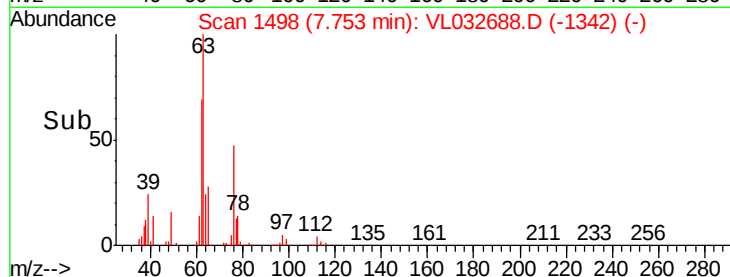
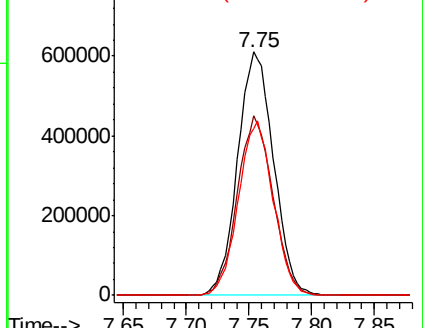
62 68.3 54.4 81.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.517 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Tgt Ion: 88 Resp: 426572

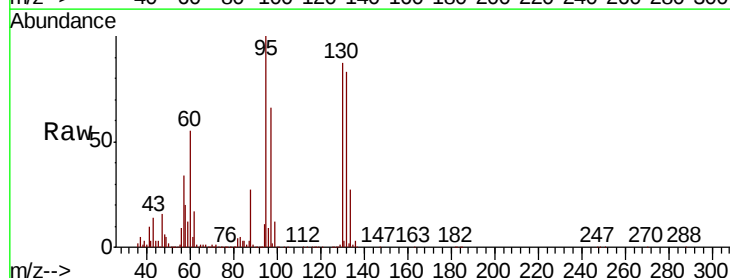
Ion Ratio Lower Upper

88 100

58 132.3 104.0 156.0

43 276.0 0.0 0.0#

57 1249.0 0.0 0.0#

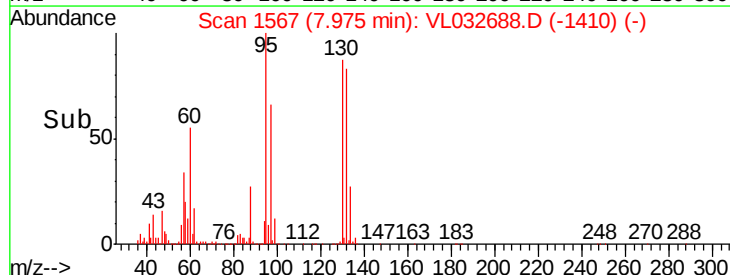
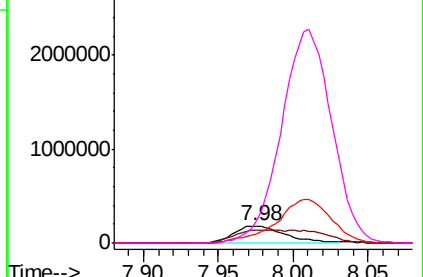


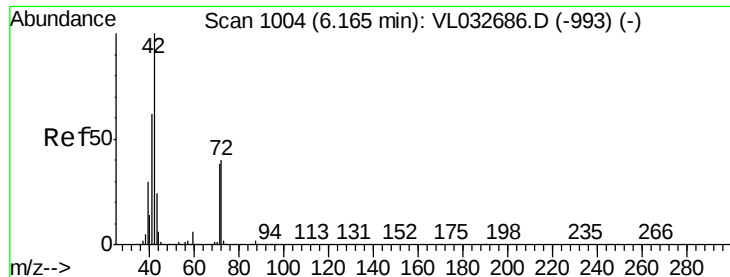
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.315 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

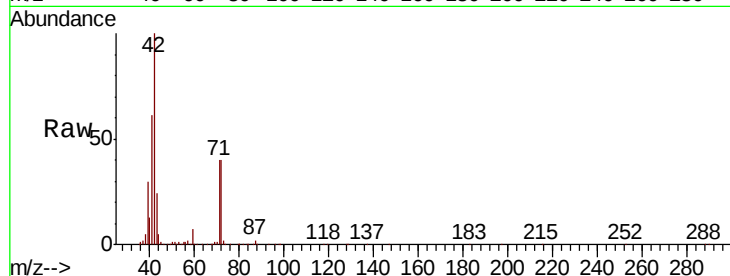
Tgt Ion: 42 Resp: 1280068

Ion Ratio Lower Upper

42 100

72 39.5 32.4 48.6

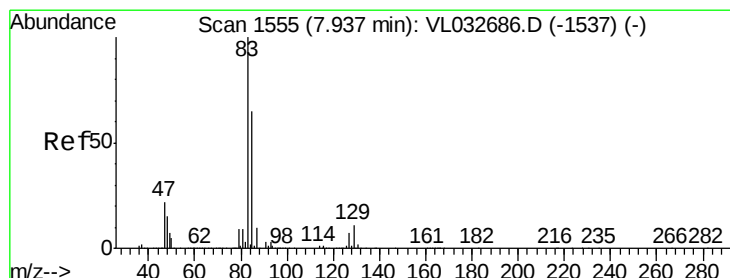
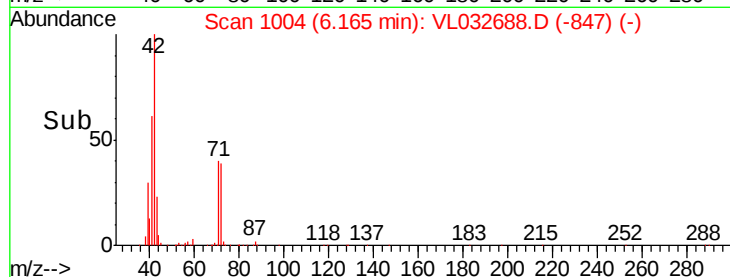
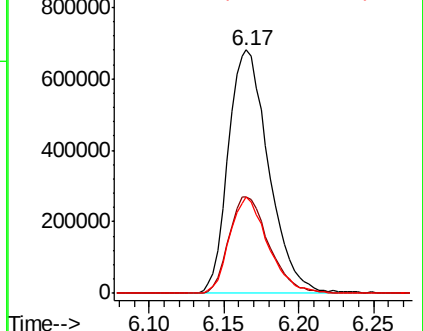
71 37.7 31.3 46.9



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: 9.830 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

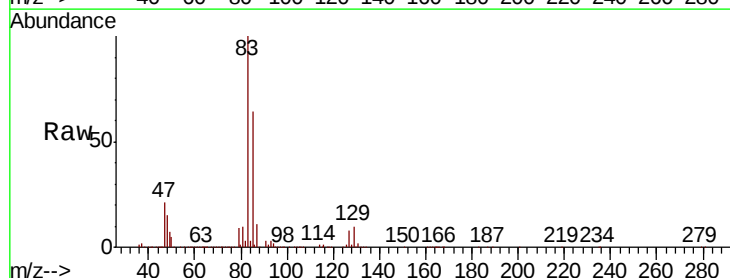
Tgt Ion: 83 Resp: 2597808

Ion Ratio Lower Upper

83 100

85 64.0 52.4 78.6

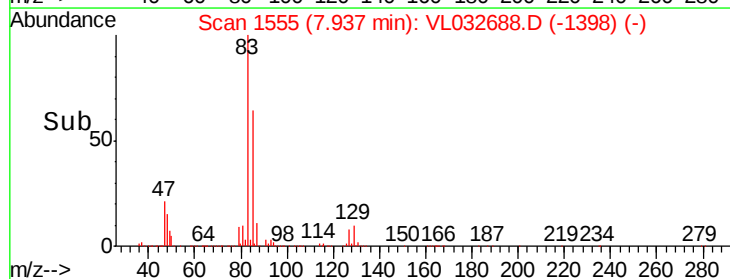
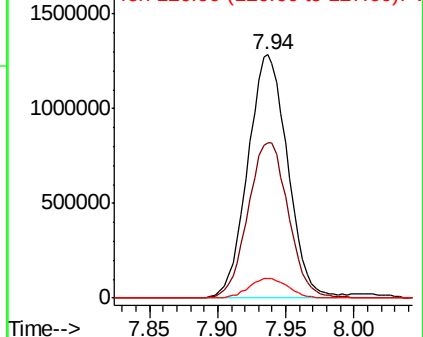
127 8.1 6.1 9.1

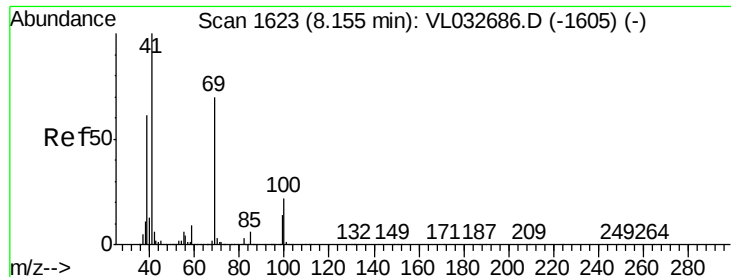


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

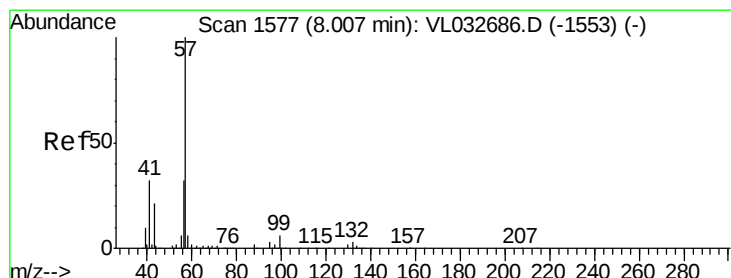
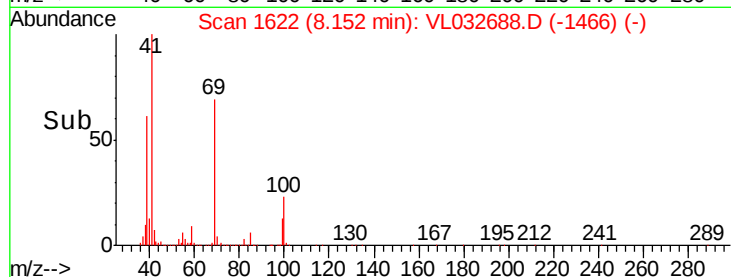
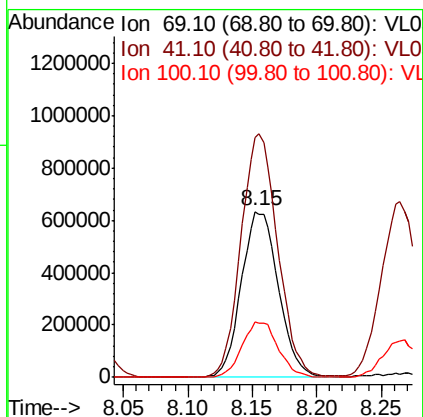
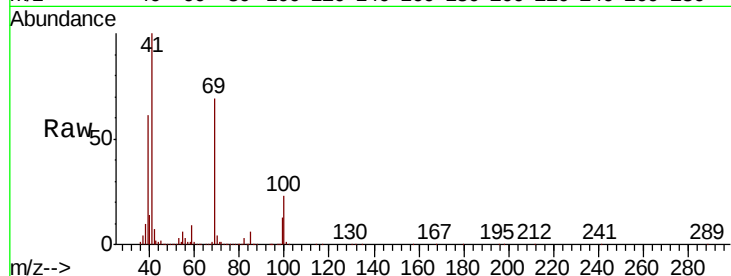




#43
Methyl Methacrylate
Concen: 11.286 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

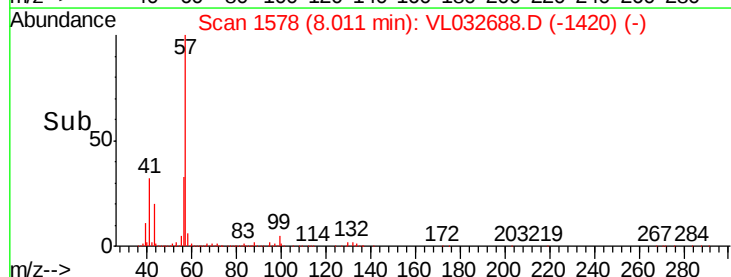
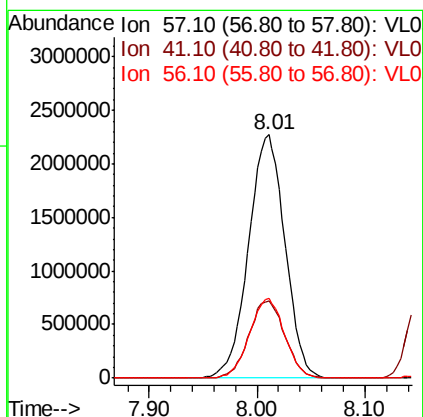
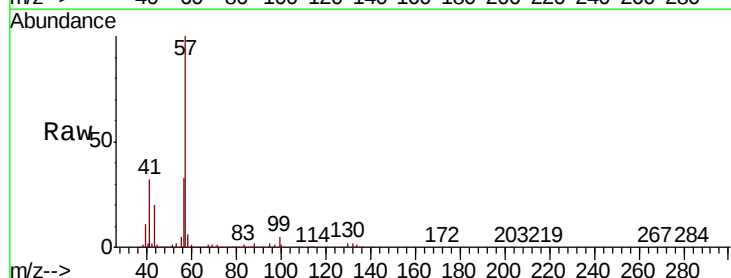
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

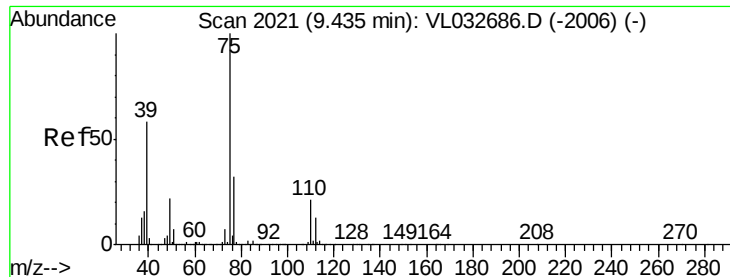
Tgt Ion: 69 Resp: 1272115
Ion Ratio Lower Upper
69 100
41 144.5 113.2 169.8
100 32.4 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.135 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion: 57 Resp: 5320975
Ion Ratio Lower Upper
57 100
41 31.5 24.7 37.1
56 31.5 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.245 ppbv

RT: 9.44 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

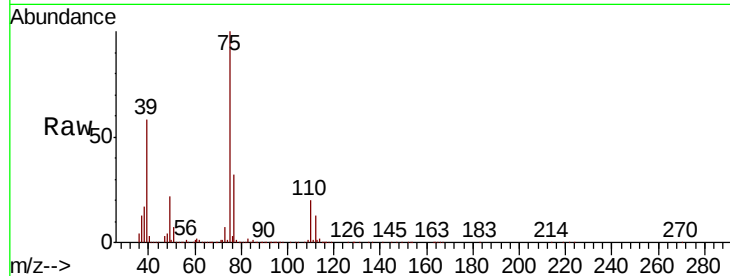
VL1024ABS01

Tgt Ion: 75 Resp: 1847443

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.44

1000000

800000

600000

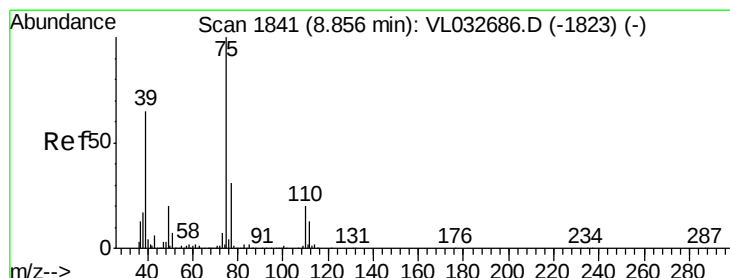
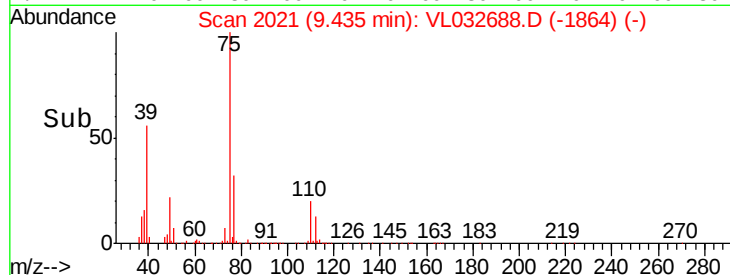
400000

200000

0

9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.702 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

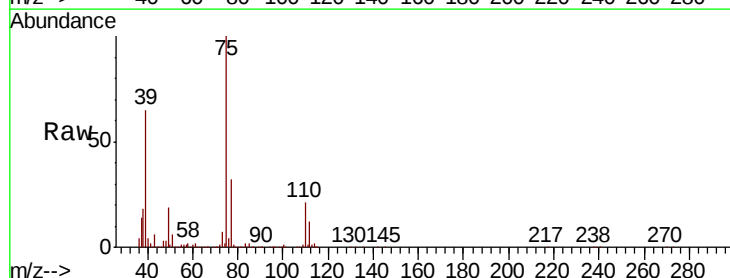
Tgt Ion: 75 Resp: 2017062

Ion Ratio Lower Upper

75 100

39 65.2 50.9 76.3

77 31.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.86

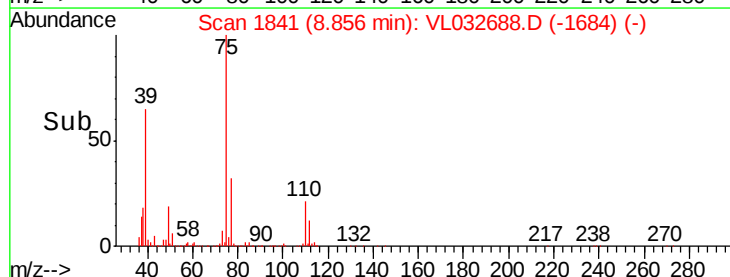
1000000

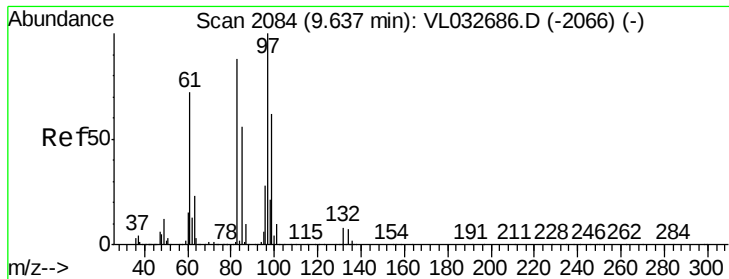
500000

0

8.75 8.80 8.85 8.90 8.95

Time-->

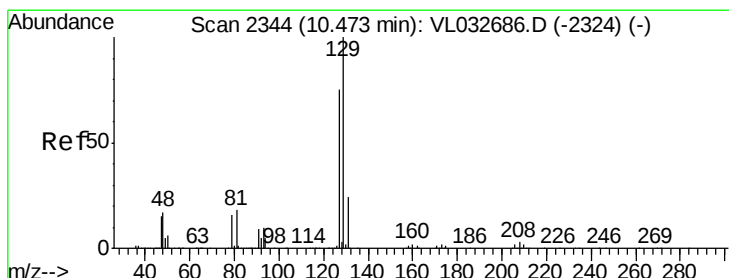
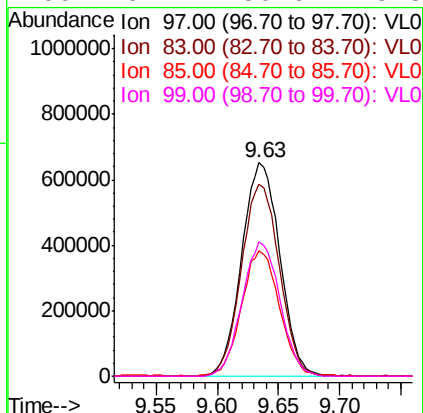
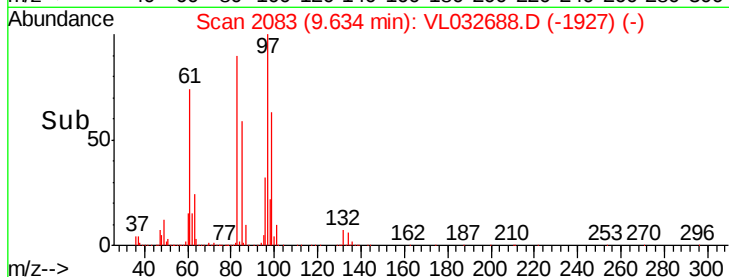
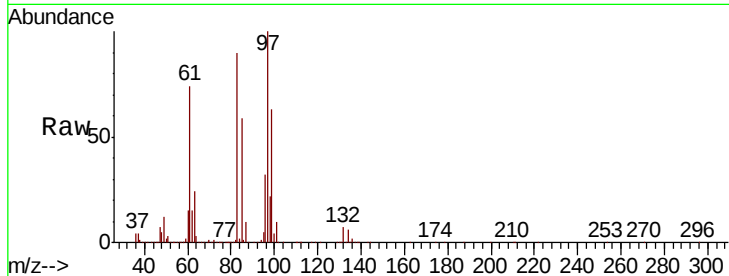




#47
 1,1,2-Trichloroethane
 Concen: 10.034 ppbv
 RT: 9.63 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

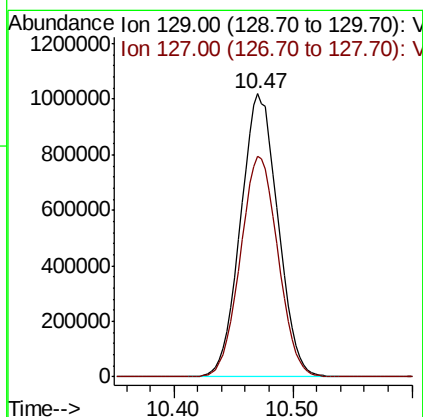
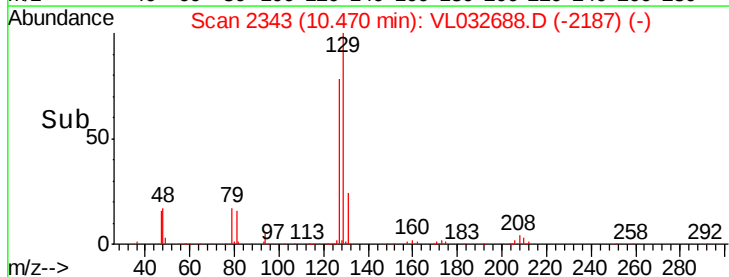
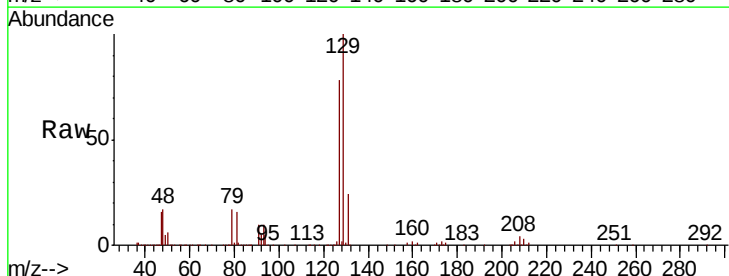
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

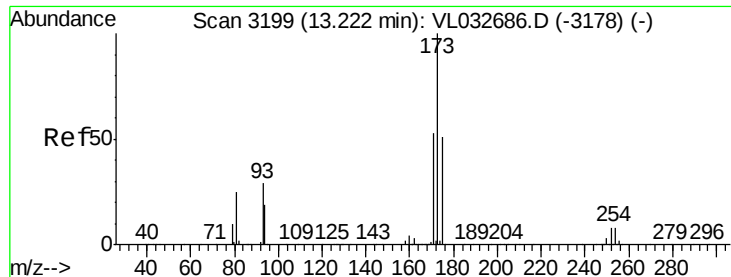
Tgt Ion: 97 Resp: 1408047
 Ion Ratio Lower Upper
 97 100
 83 90.1 73.5 110.3
 85 58.5 45.8 68.6
 99 62.7 50.6 75.8



#48
 Dibromochloromethane
 Concen: 9.471 ppbv
 RT: 10.47 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 129 Resp: 2215252
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.5





#49

Bromoform

Concen: 10.258 ppbv

RT: 13.22 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

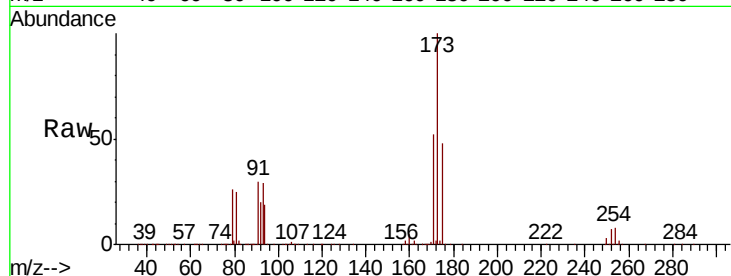
Tgt Ion:173 Resp: 1885354

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

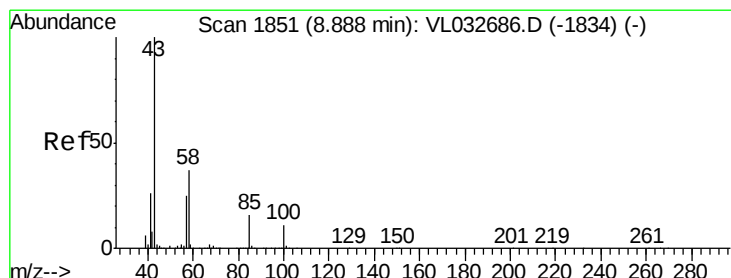
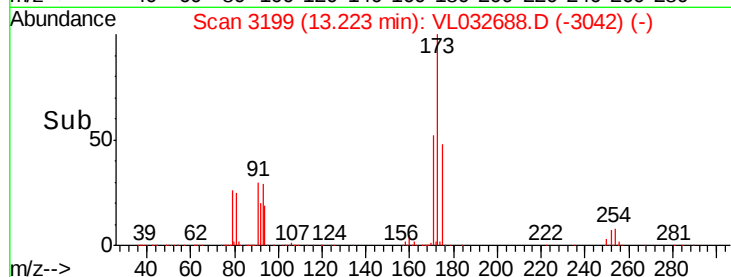
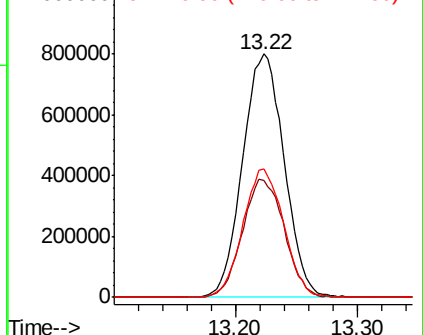
171 51.8 42.2 63.2



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: 11.154 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL032688.D

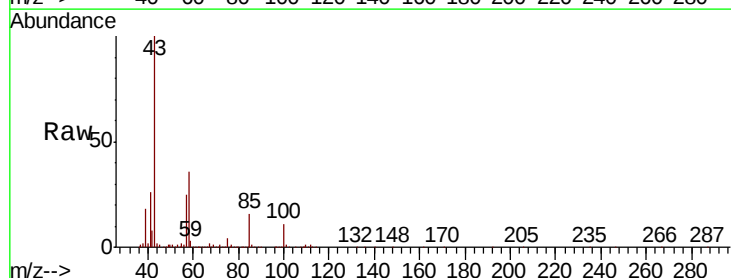
Acq: 24 Oct 2018 15:31

Tgt Ion: 43 Resp: 3354840

Ion Ratio Lower Upper

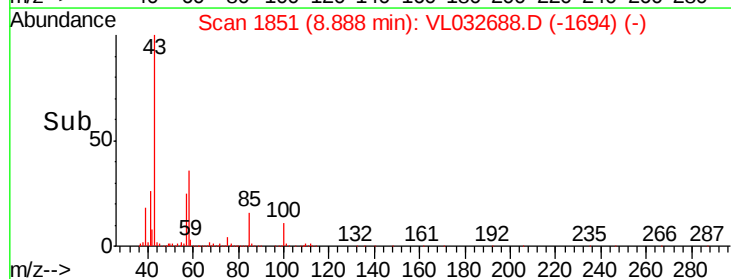
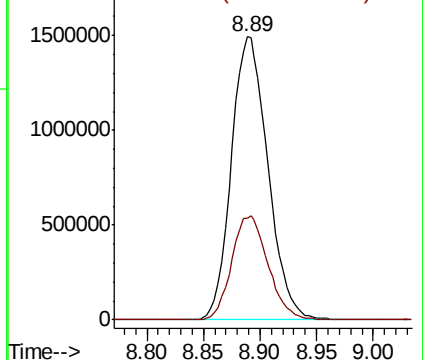
43 100

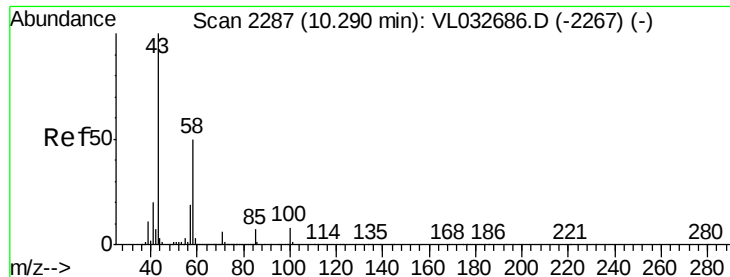
58 36.7 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.550 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

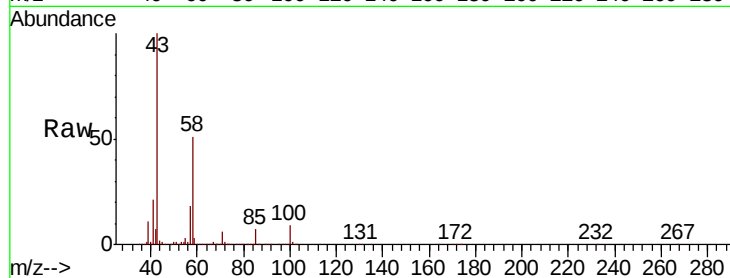
Tgt Ion: 43 Resp: 2358747

Ion Ratio Lower Upper

43 100

58 49.5 40.4 60.6

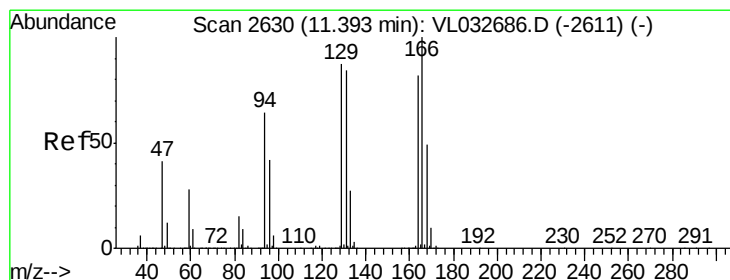
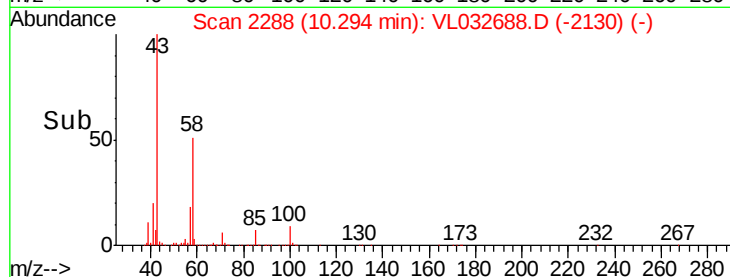
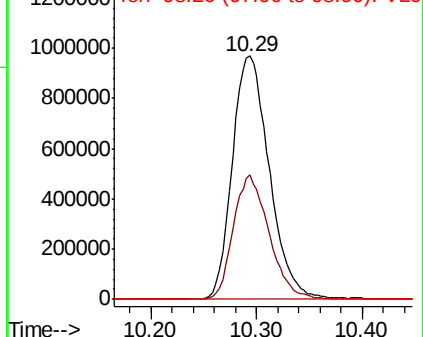
98 0.4 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.533 ppbv

RT: 11.39 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Tgt Ion:164 Resp: 1129312

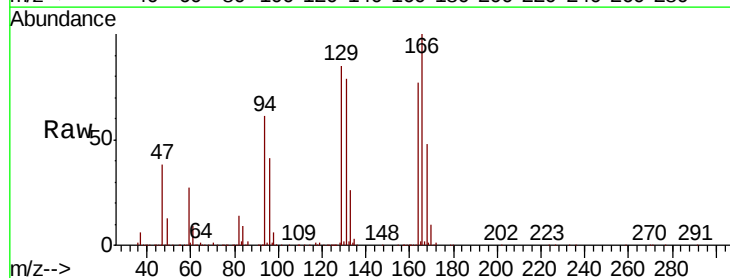
Ion Ratio Lower Upper

164 100

166 129.7 100.5 150.7

129 109.5 90.0 135.0

131 102.6 86.6 129.8

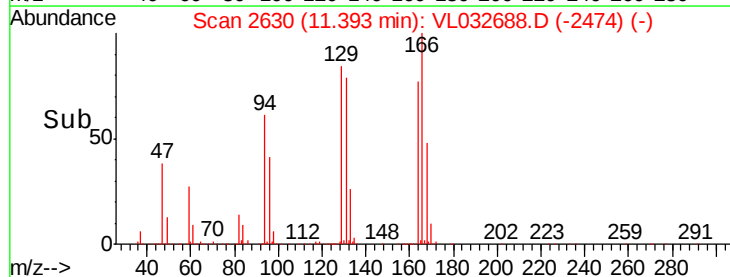
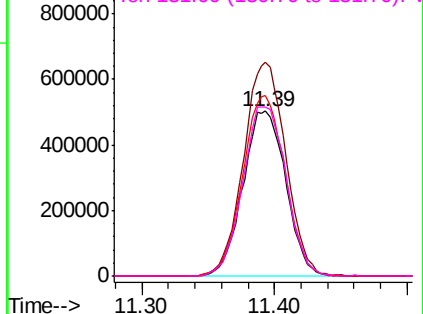


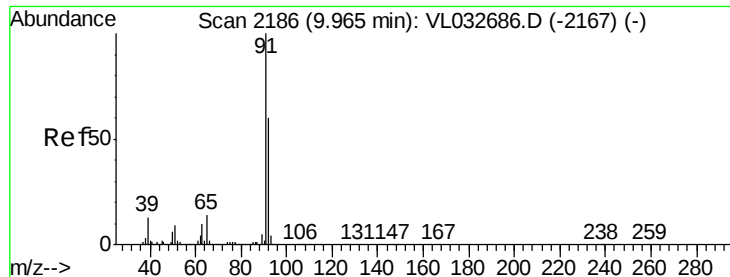
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.337 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

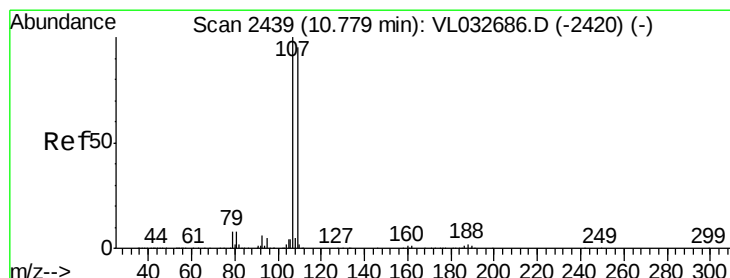
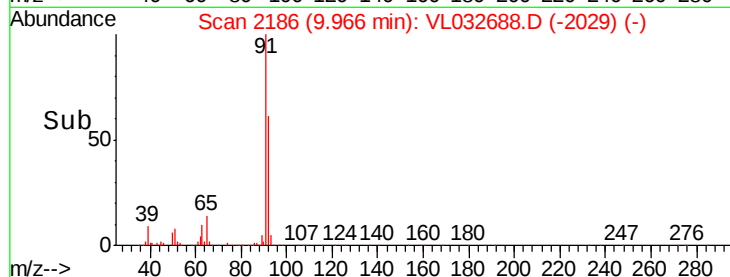
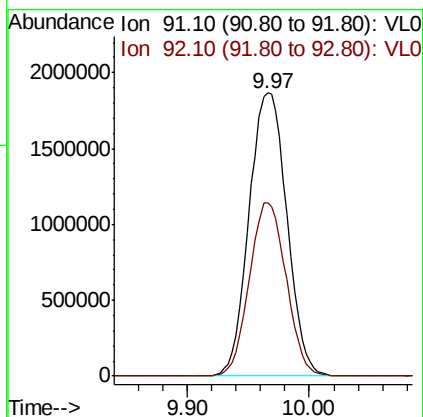
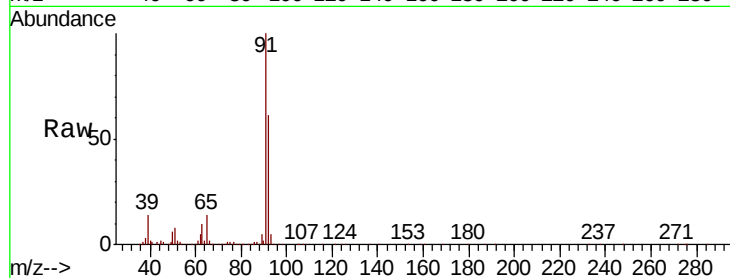
VL1024ABS01

Tgt Ion: 91 Resp: 3996506

Ion Ratio Lower Upper

91 100

92 59.7 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.475 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032688.D

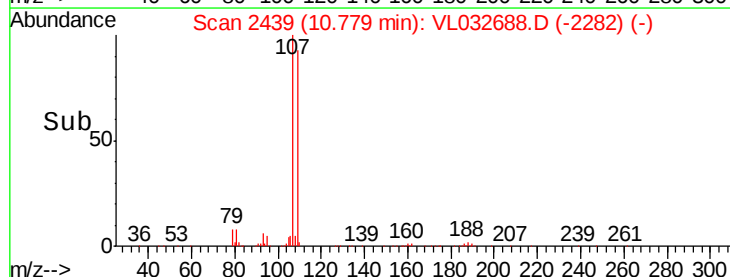
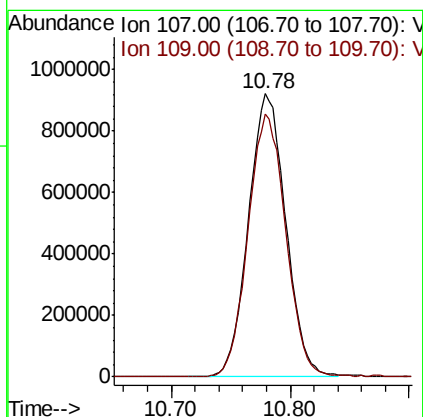
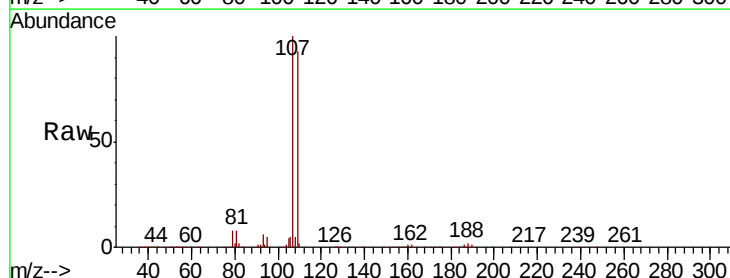
Acq: 24 Oct 2018 15:31

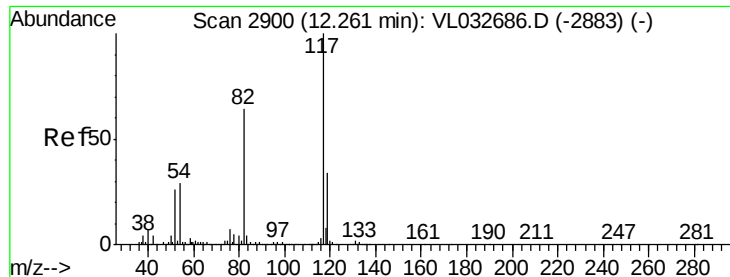
Tgt Ion: 107 Resp: 1997847

Ion Ratio Lower Upper

107 100

109 93.0 75.3 112.9

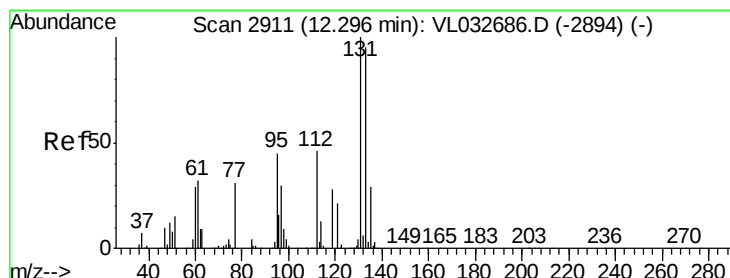
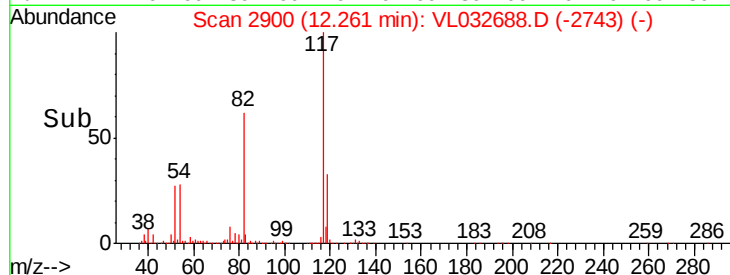
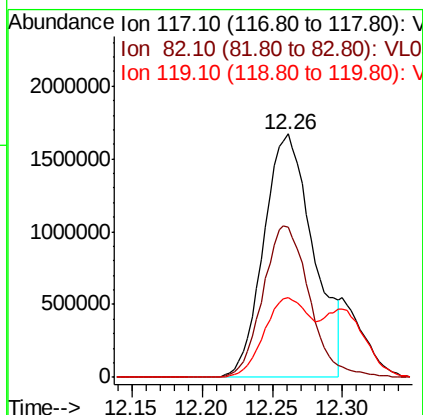
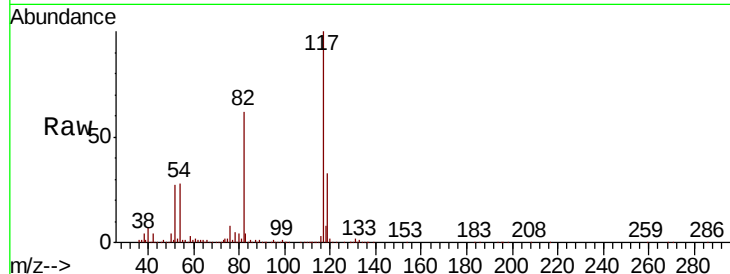




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

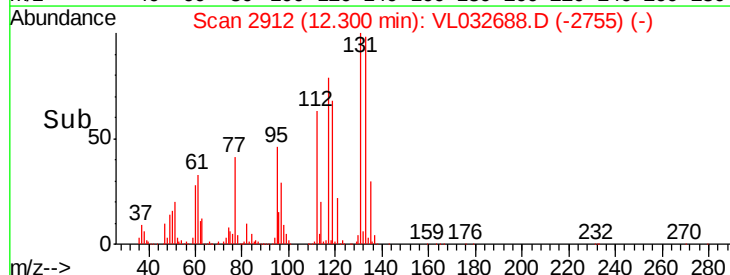
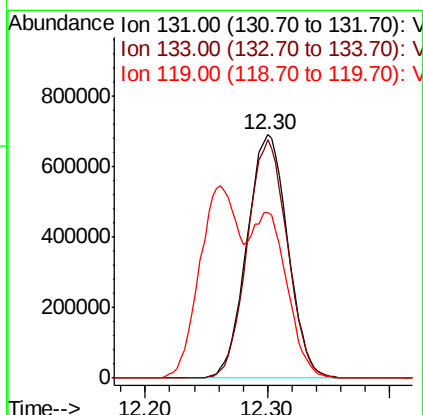
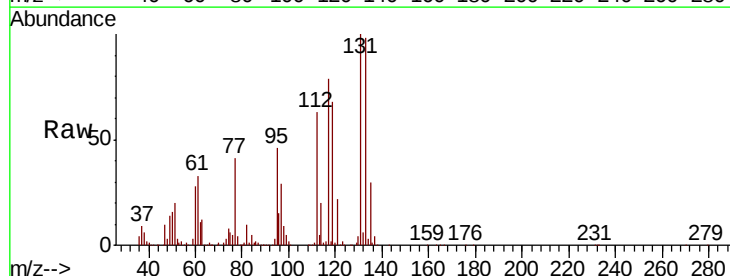
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

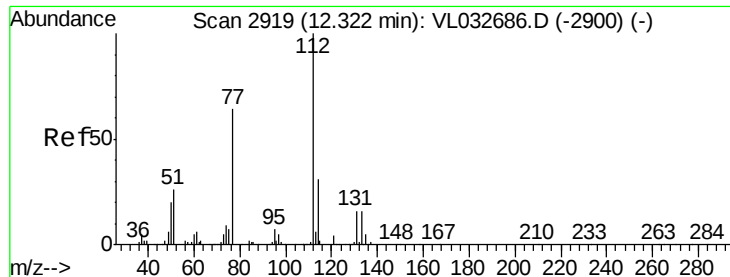
Tgt Ion:117 Resp: 4096098
Ion Ratio Lower Upper
117 100
82 58.9 52.7 79.1
119 31.6 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 8.904 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion:131 Resp: 1594803
Ion Ratio Lower Upper
131 100
133 96.1 75.4 113.2
119 62.3 49.1 73.7

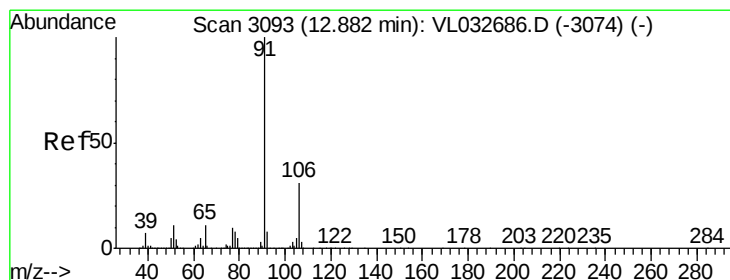
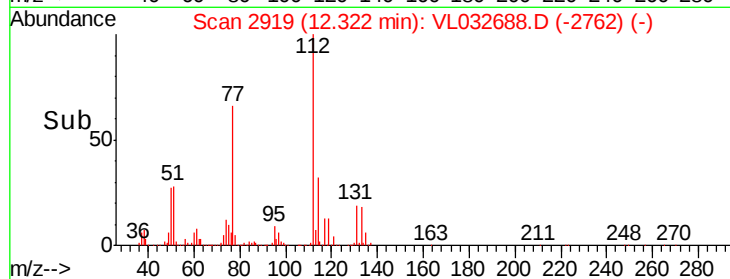
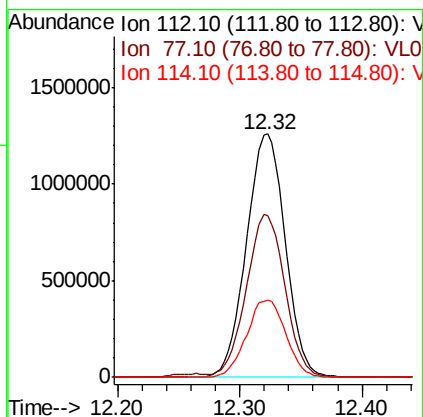
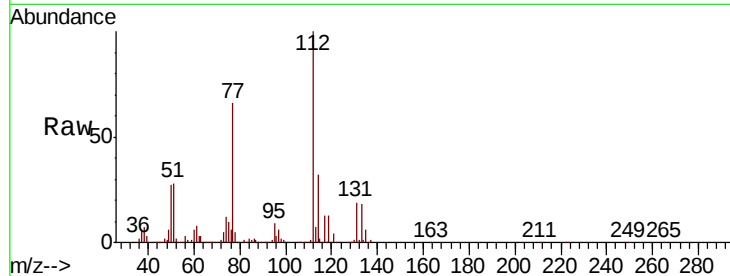




#57
Chlorobenzene
Concen: 9.180 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

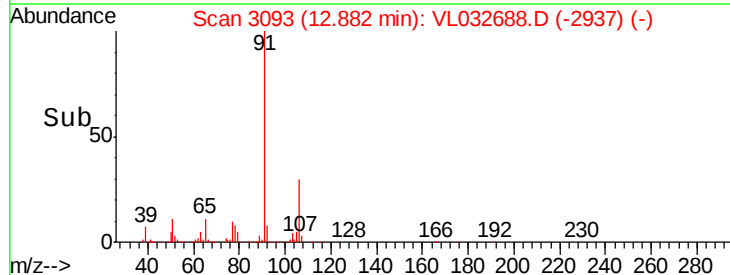
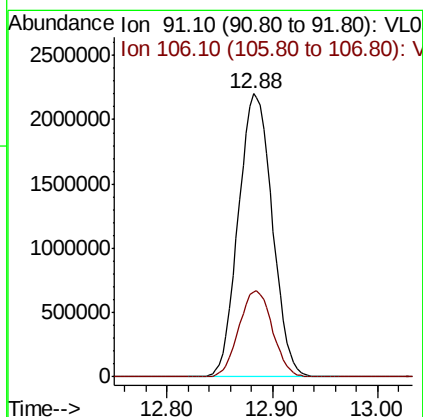
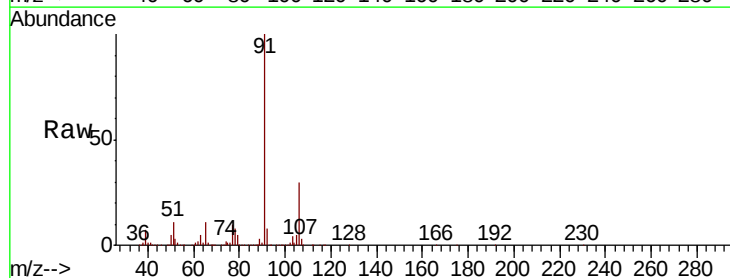
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

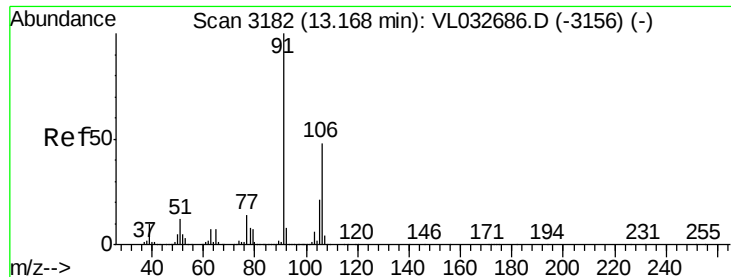
Tgt Ion: 112 Resp: 2765324
Ion Ratio Lower Upper
112 100
77 66.0 56.8 85.2
114 31.6 30.3 37.1



#58
Ethyl Benzene
Concen: 10.354 ppbv
RT: 12.88 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion: 91 Resp: 4926976
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

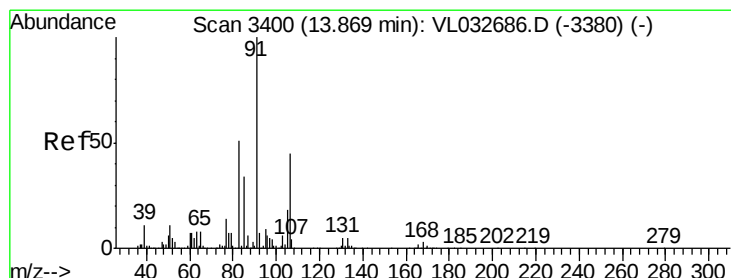
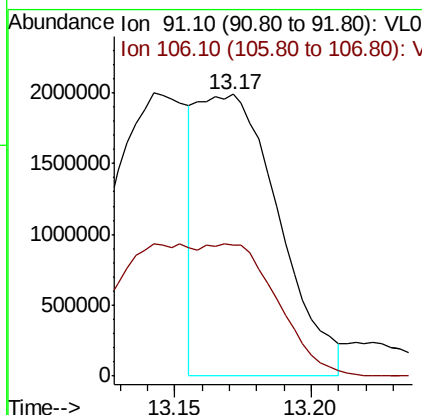
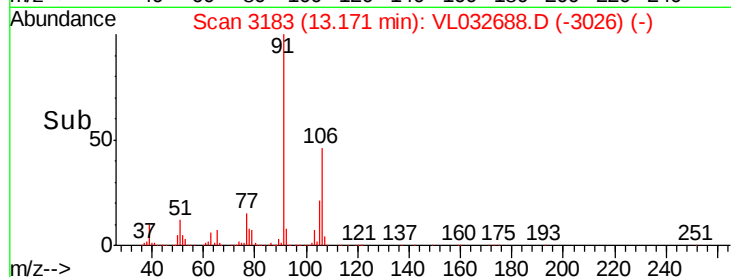
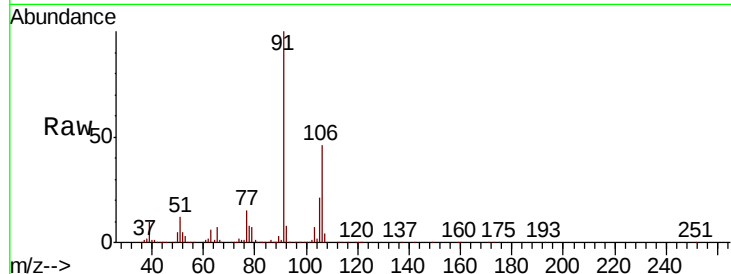




#59
m/p-Xylene
Concen: 9.644 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

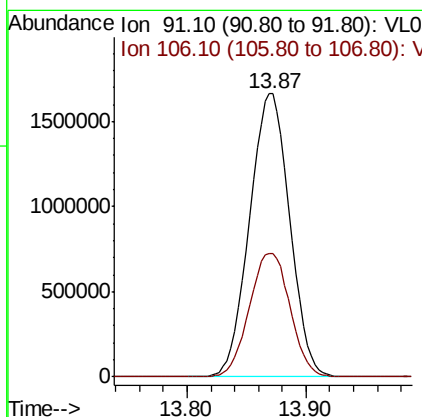
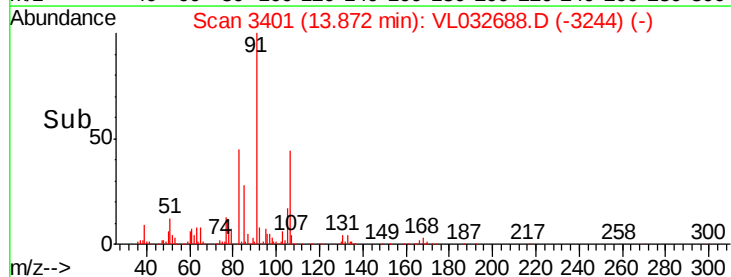
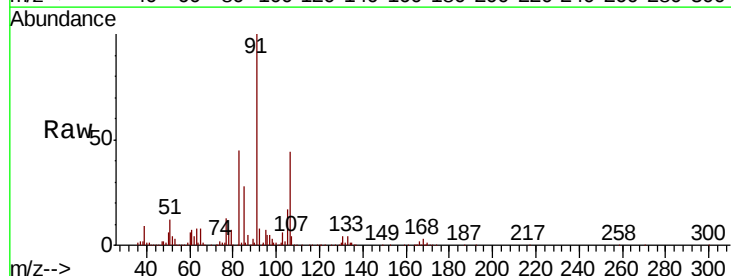
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABS01

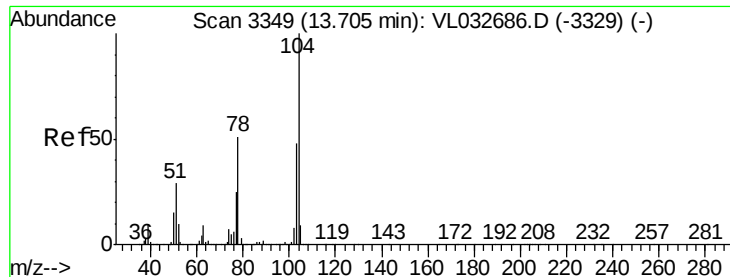
Tgt Ion: 91 Resp: 4086711
Ion Ratio Lower Upper
91 100
106 91.8 35.9 53.9#



#60
o-Xylene
Concen: 9.469 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL032688.D
Acq: 24 Oct 2018 15:31

Tgt Ion: 91 Resp: 3870573
Ion Ratio Lower Upper
91 100
106 44.5 22.1 66.1





#61

Styrene

Concen: 10.947 ppbv

RT: 13.70 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

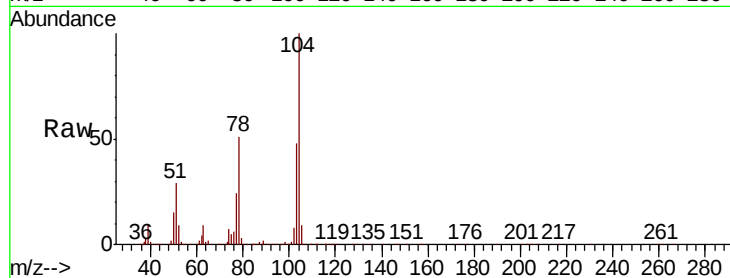
Tgt Ion:104 Resp: 3000283

Ion Ratio Lower Upper

104 100

78 51.3 42.8 64.2

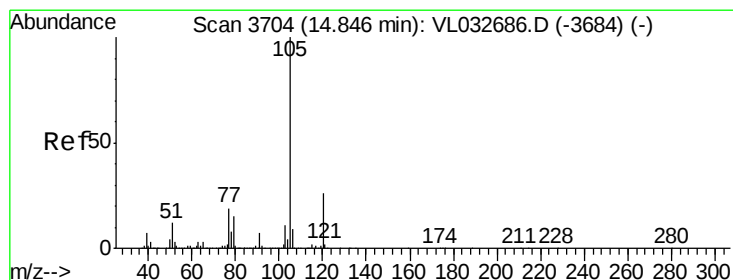
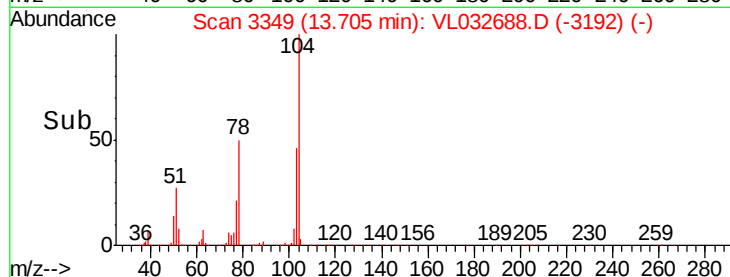
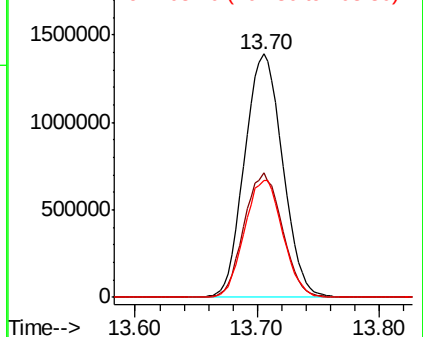
103 48.3 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.471 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032688.D

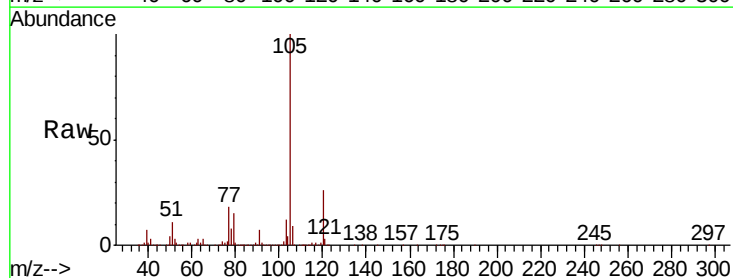
Acq: 24 Oct 2018 15:31

Tgt Ion:105 Resp: 5479315

Ion Ratio Lower Upper

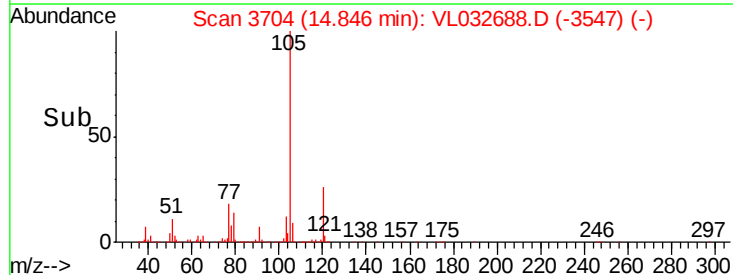
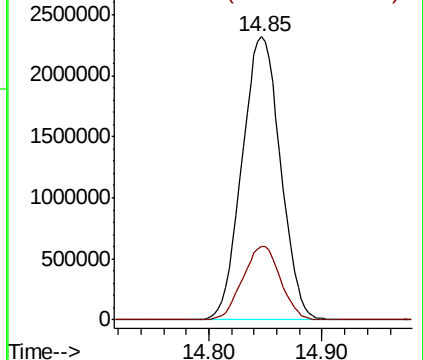
105 100

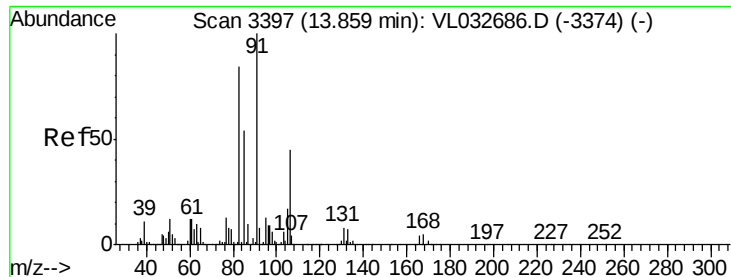
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

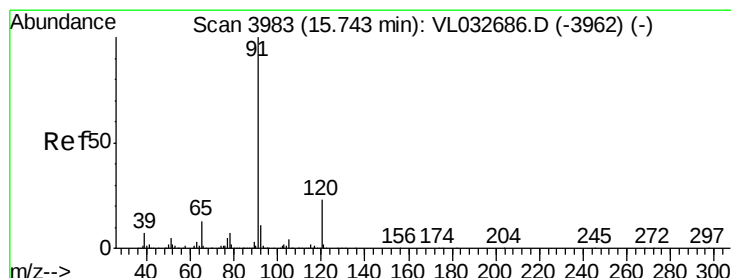
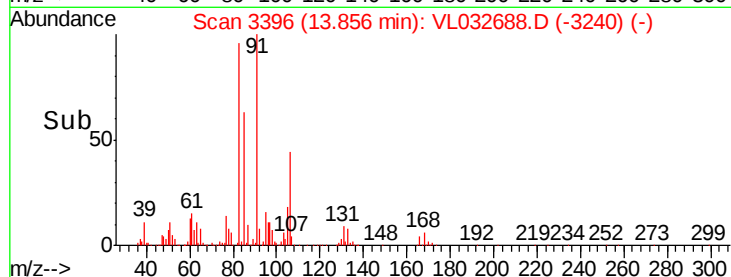
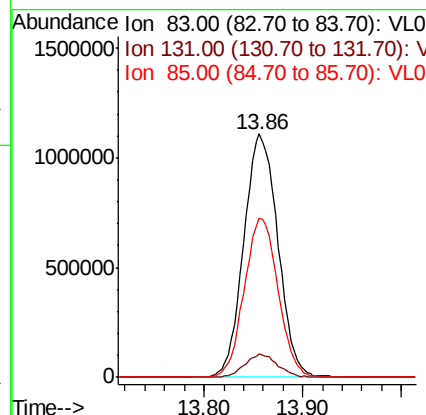
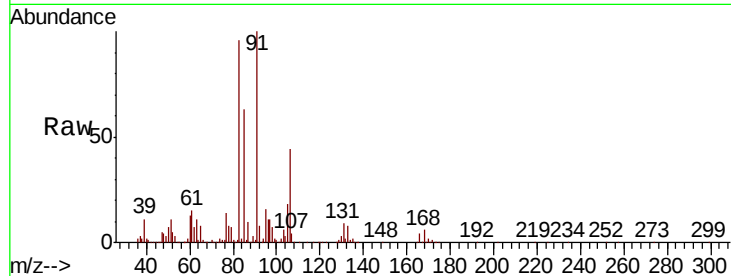




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.276 ppbv
 RT: 13.86 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

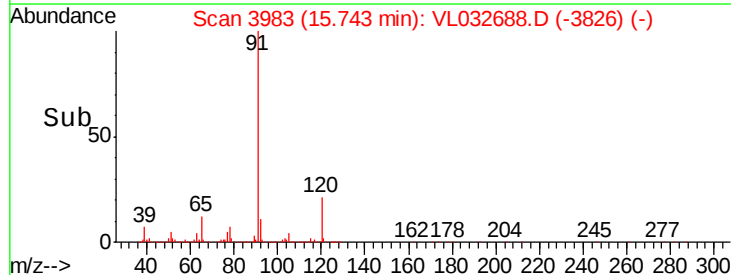
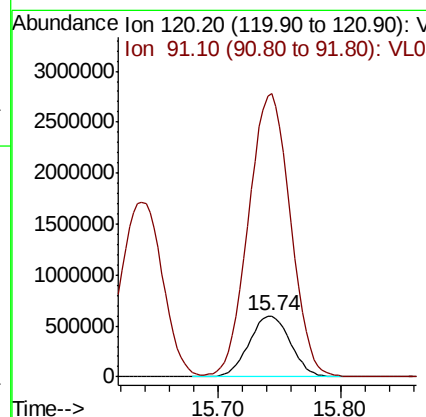
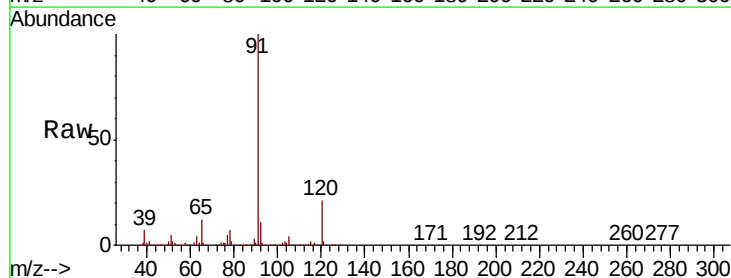
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

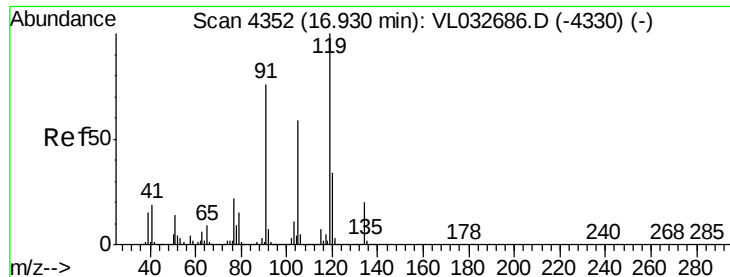
Tgt Ion: 83 Resp: 2650444
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.3 12.9
 85 65.0 32.3 96.9



#64
 n-propylbenzene
 Concen: 9.743 ppbv
 RT: 15.74 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 120 Resp: 1400861
 Ion Ratio Lower Upper
 120 100
 91 472.0 390.2 585.2

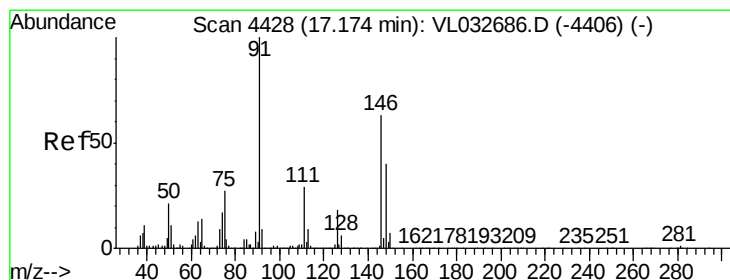
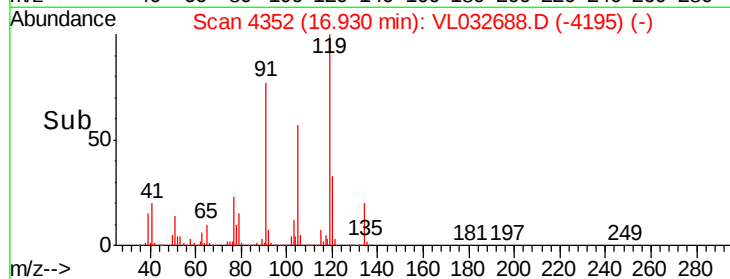
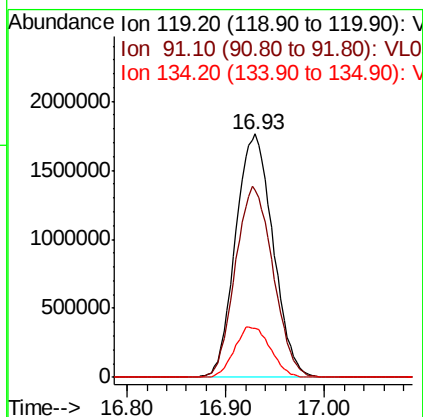
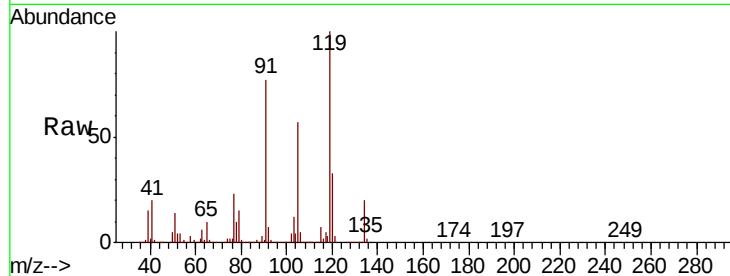




#65
 tert-Butylbenzene
 Concen: 9.406 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

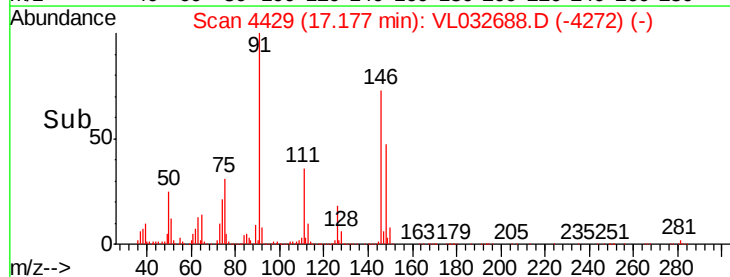
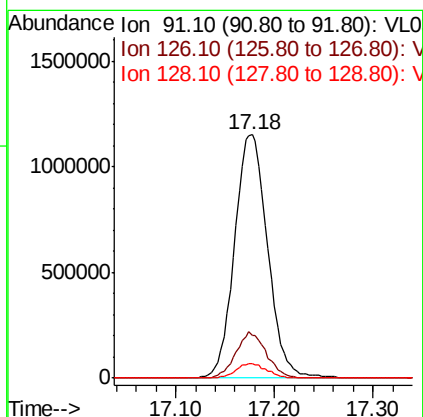
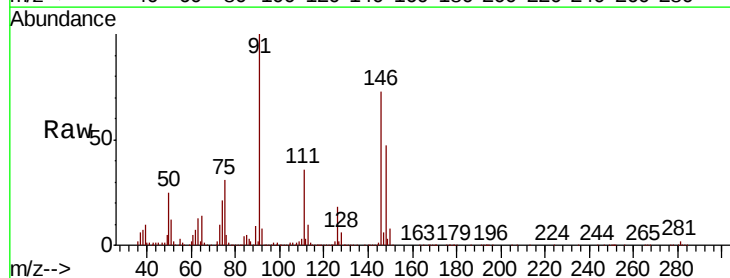
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

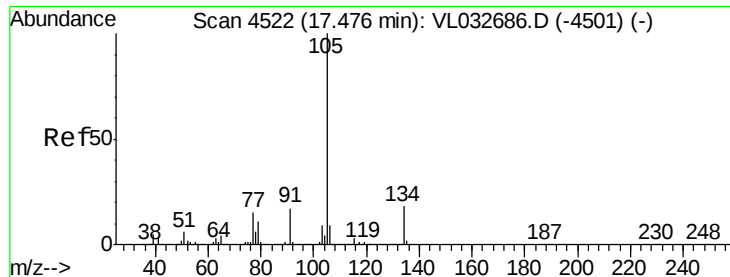
Tgt Ion: 119 Resp: 4634078
 Ion Ratio Lower Upper
 119 100
 91 79.4 67.8 101.8
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 10.525 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 91 Resp: 2677409
 Ion Ratio Lower Upper
 91 100
 126 17.7 13.9 20.9
 128 5.8 4.3 6.5

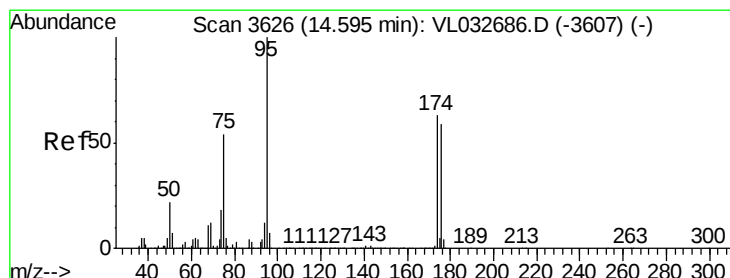
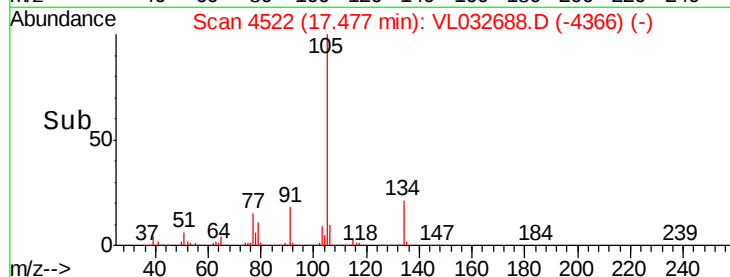
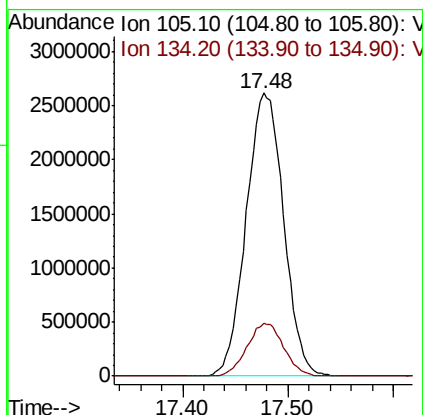
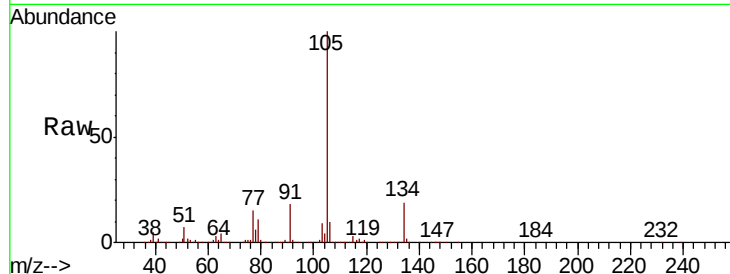




#67
 sec-Butylbenzene
 Concen: 9.222 ppbv
 RT: 17.48 min Scan# 4522
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

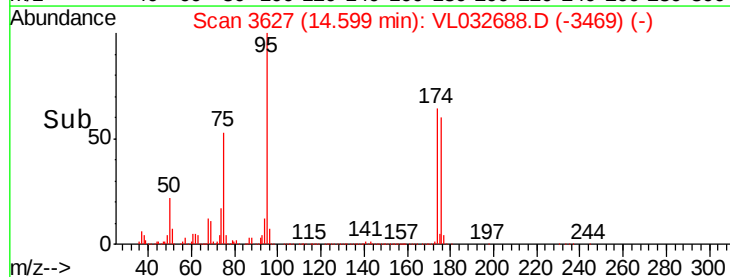
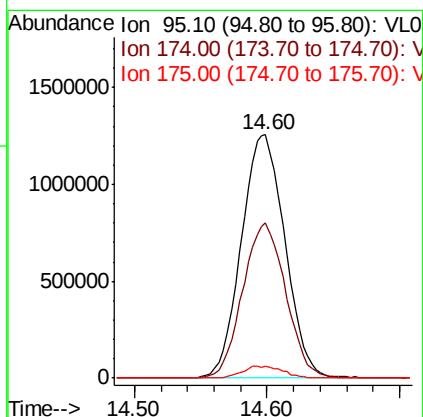
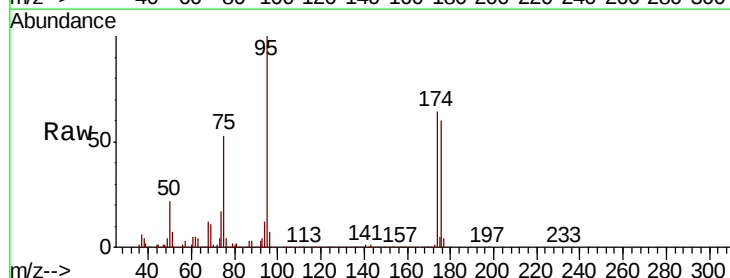
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

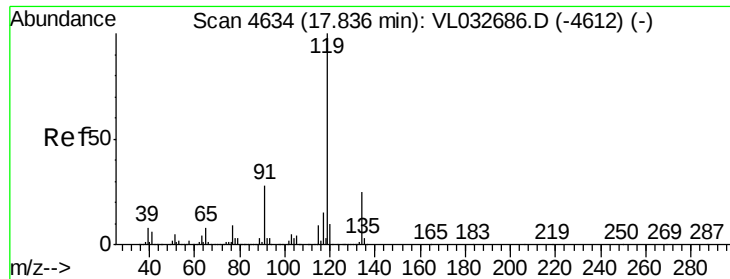
Tgt Ion: 105 Resp: 6462053
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.387 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 95 Resp: 2862827
 Ion Ratio Lower Upper
 95 100
 174 63.0 46.0 69.0
 175 4.8 3.4 5.0

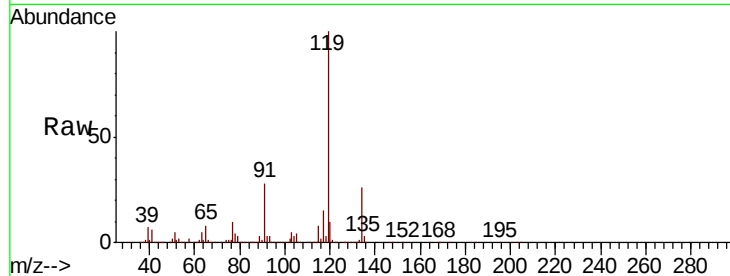




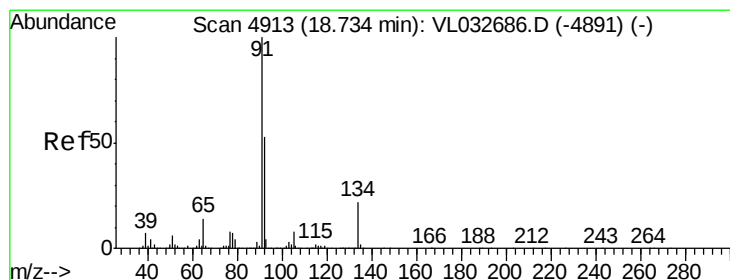
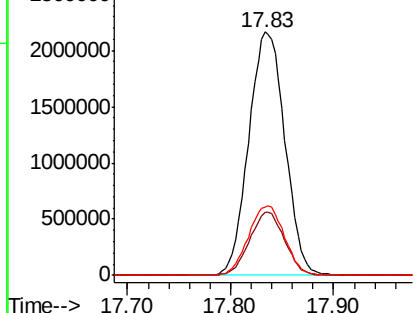
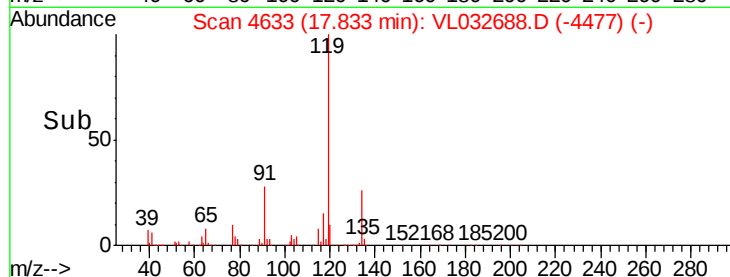
#69
 p-Isopropyltoluene
 Concen: 9.476 ppbv
 RT: 17.83 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Tgt Ion: 119 Resp: 5261786
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 28.6 24.0 36.0

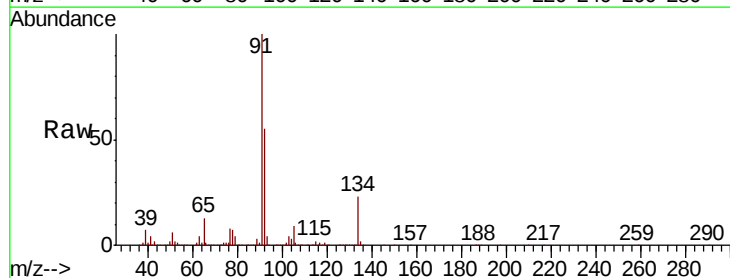


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

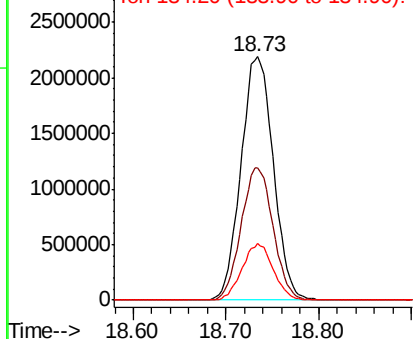
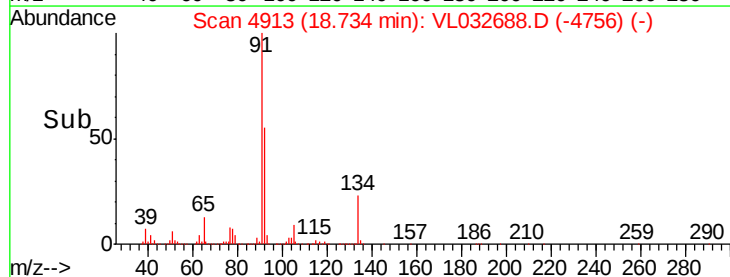


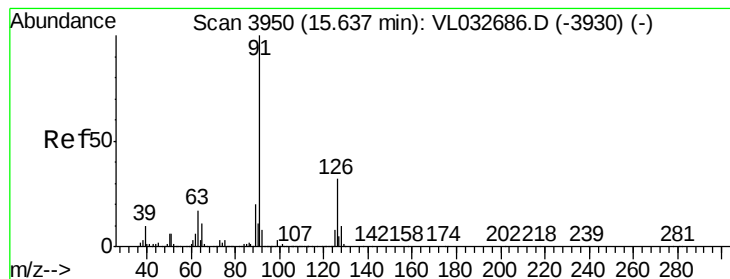
#70
 n-Butylbenzene
 Concen: 9.270 ppbv
 RT: 18.73 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 91 Resp: 5299520
 Ion Ratio Lower Upper
 91 100
 92 53.6 43.0 64.4
 134 22.3 17.0 25.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

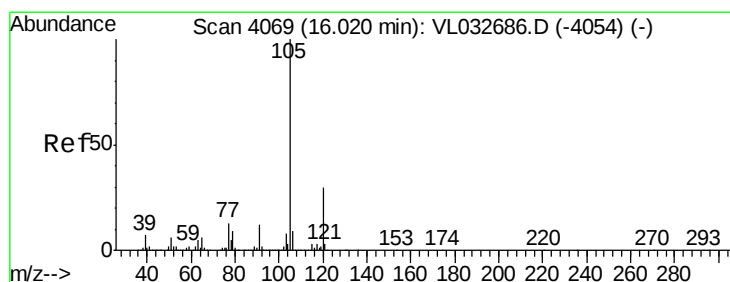
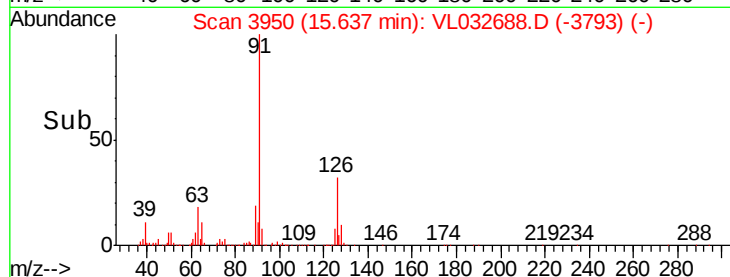
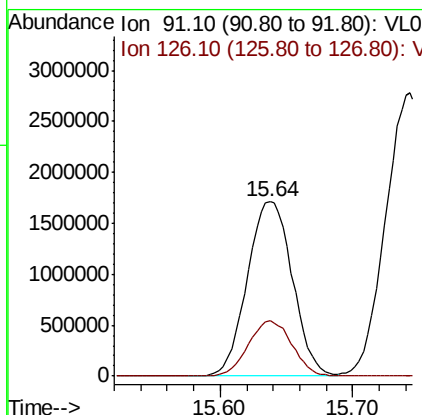
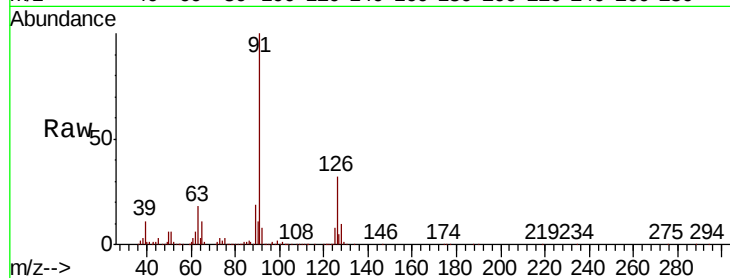




#71
 2-Chlorotoluene
 Concen: 9.852 ppbv
 RT: 15.64 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

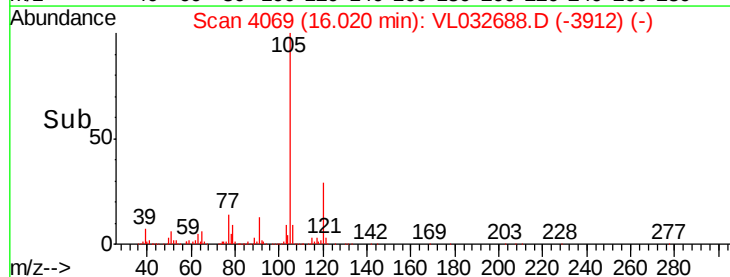
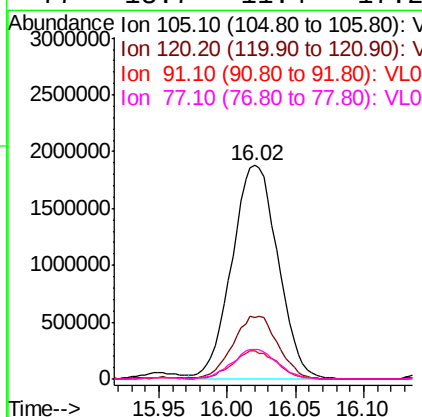
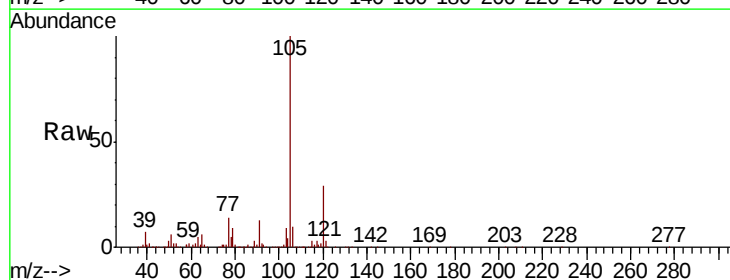
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

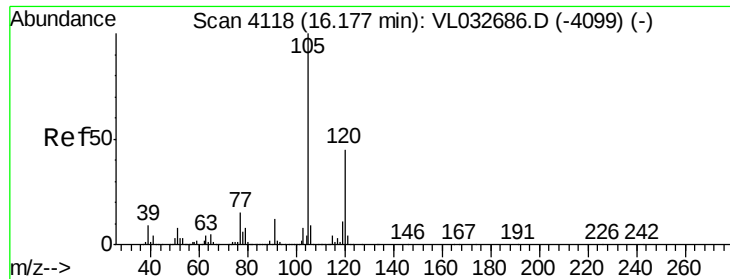
Tgt Ion: 91 Resp: 4050642
 Ion Ratio Lower Upper
 91 100
 126 30.9 11.8 47.4



#72
 4-Ethyltoluene
 Concen: 10.097 ppbv
 RT: 16.02 min Scan# 4069
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion: 105 Resp: 4395810
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.7 35.5
 91 12.8 10.4 15.6
 77 13.7 11.4 17.2

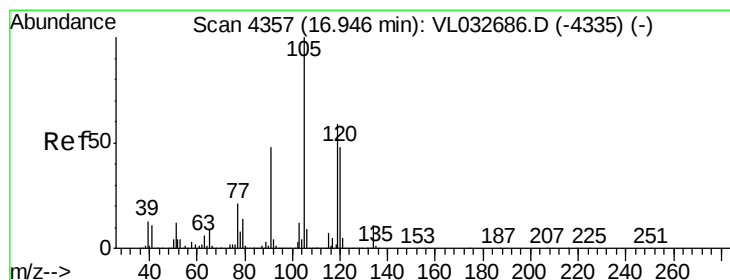
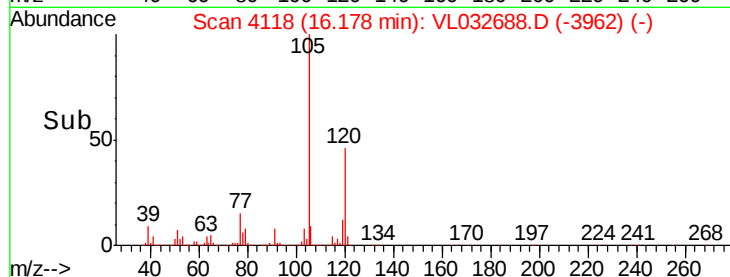
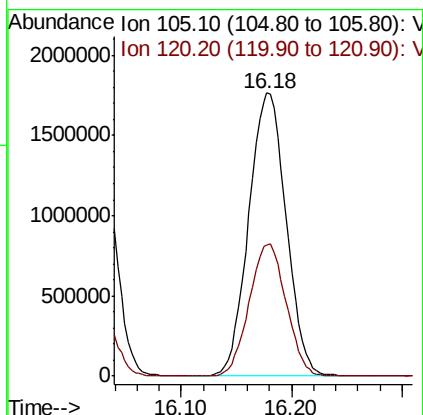
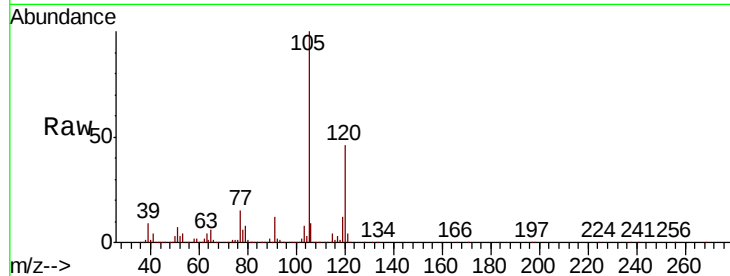




#73
 1,3,5-Trimethylbenzene
 Concen: 9.728 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

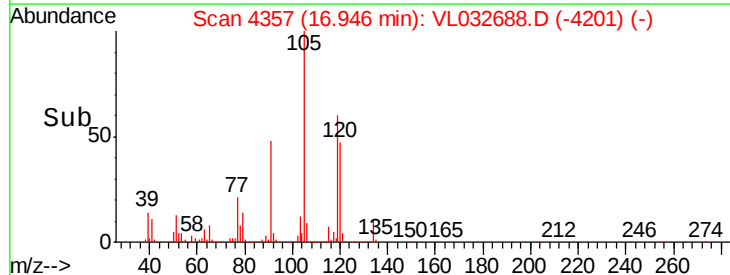
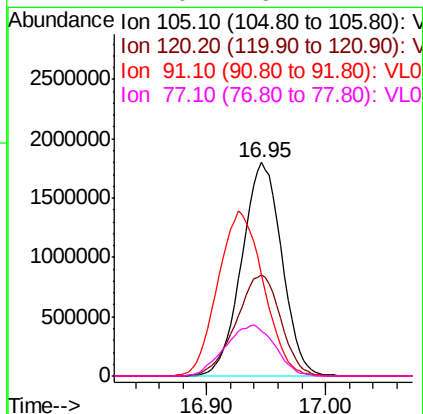
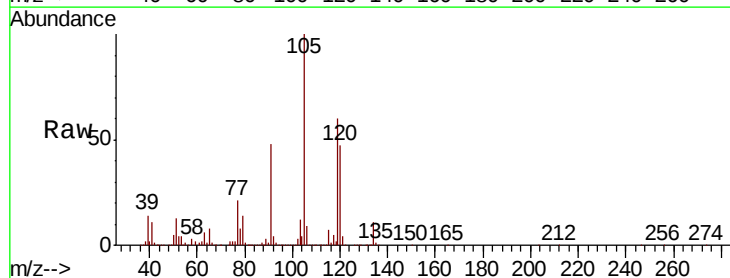
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

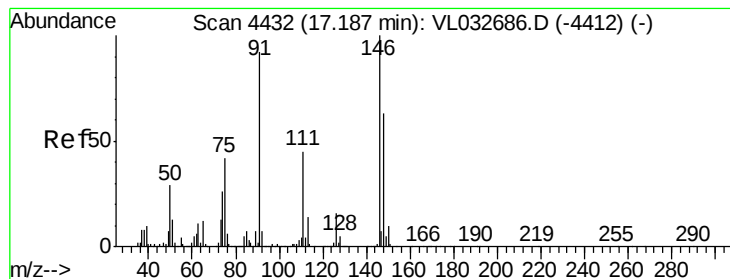
Tgt Ion:105 Resp: 4125322
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 9.249 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion:105 Resp: 4188457
 Ion Ratio Lower Upper
 105 100
 120 47.2 35.8 53.8
 91 47.5 33.2 49.8
 77 21.0 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 8.918 ppbv

RT: 17.19 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

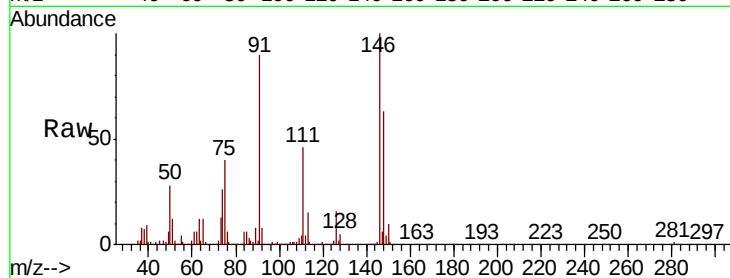
Tgt Ion:146 Resp: 2322168

Ion Ratio Lower Upper

146 100

111 47.2 24.4 73.2

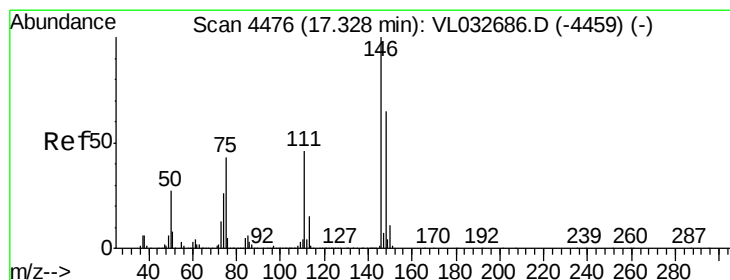
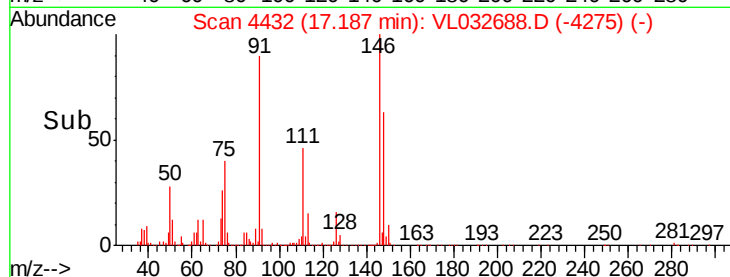
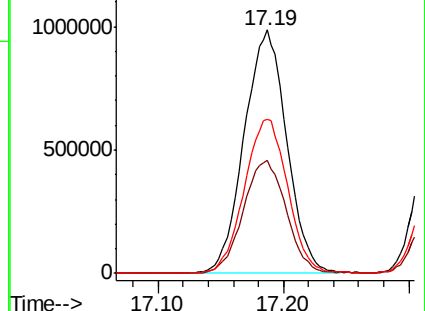
148 64.6 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.432 ppbv

RT: 17.33 min Scan# 4476

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

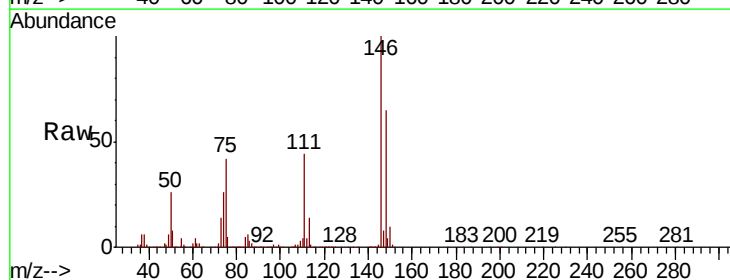
Tgt Ion:146 Resp: 2266511

Ion Ratio Lower Upper

146 100

111 45.9 23.7 71.1

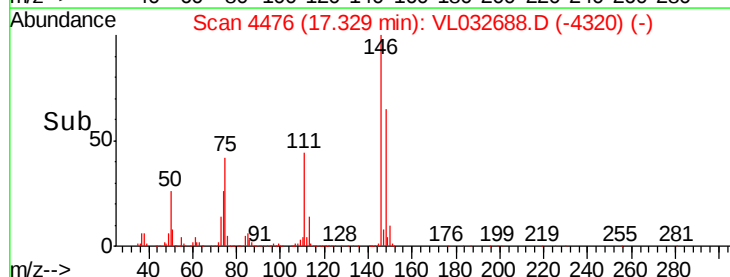
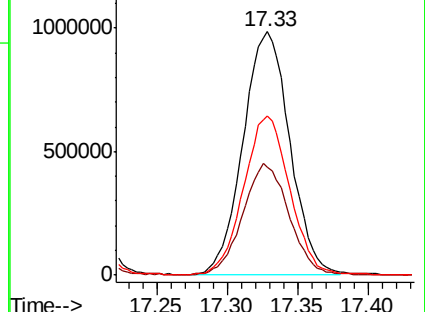
148 65.3 32.1 96.3

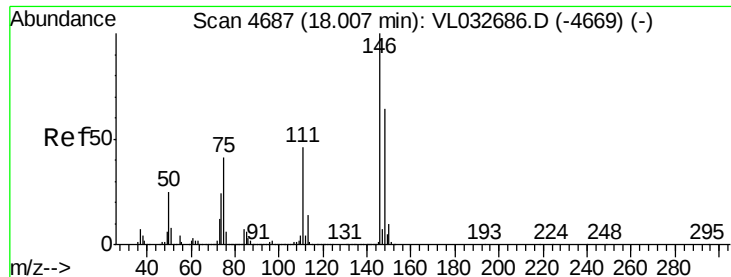


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

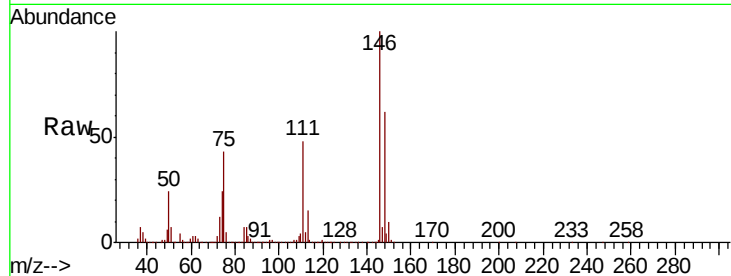




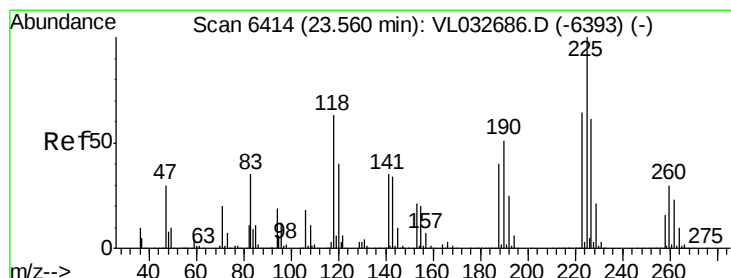
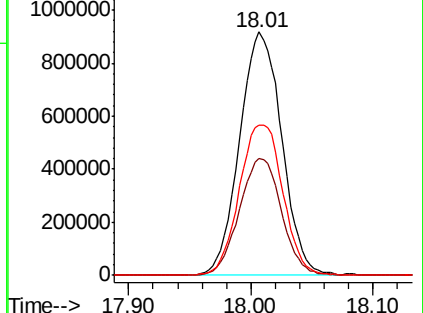
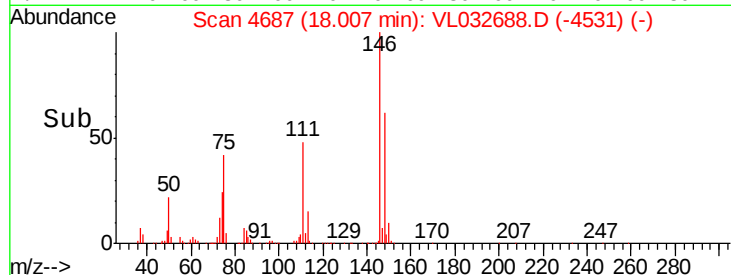
#77
 1,2-Dichlorobenzene
 Concen: 8.847 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Tgt Ion:146 Resp: 2182509
 Ion Ratio Lower Upper
 146 100
 111 48.5 25.3 75.8
 148 64.5 31.9 95.9

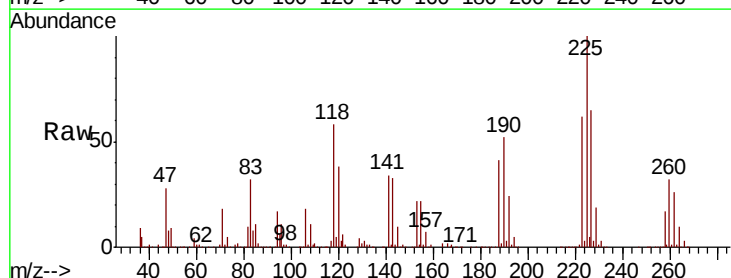


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

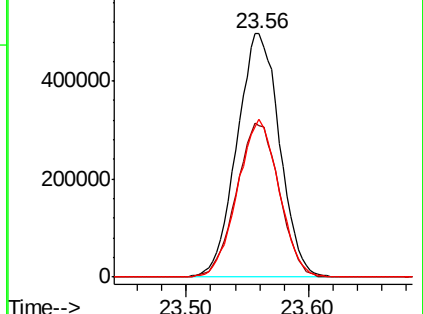
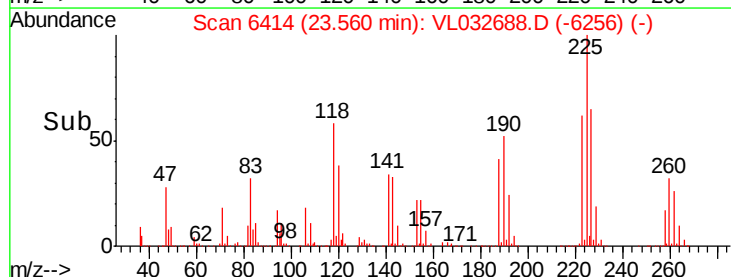


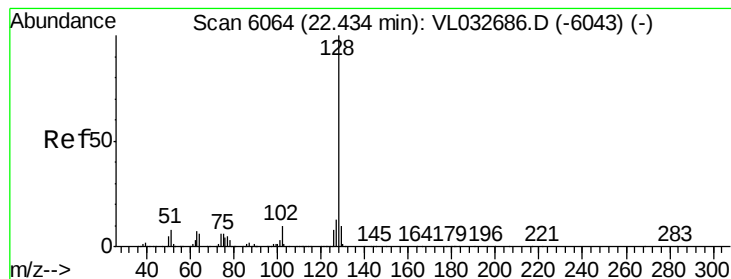
#78
 Hexachloro-1,3-Butadiene
 Concen: 10.267 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Tgt Ion:225 Resp: 1196789
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.7 76.1
 227 63.2 50.7 76.1



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: 12.365 ppbv

RT: 22.43 min Scan# 6064

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABS01

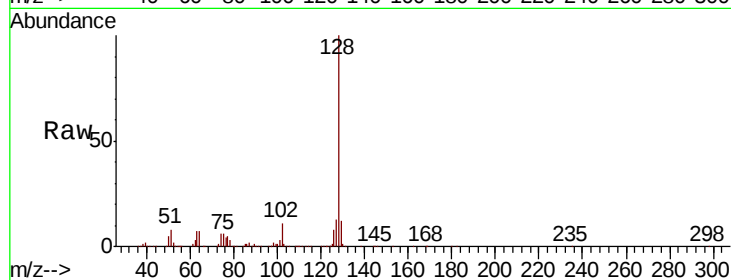
Tgt Ion:128 Resp: 3480289

Ion Ratio Lower Upper

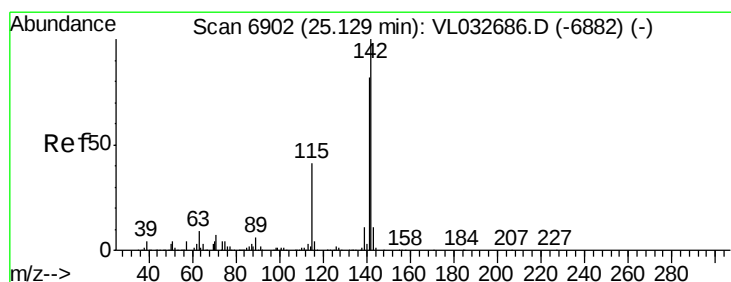
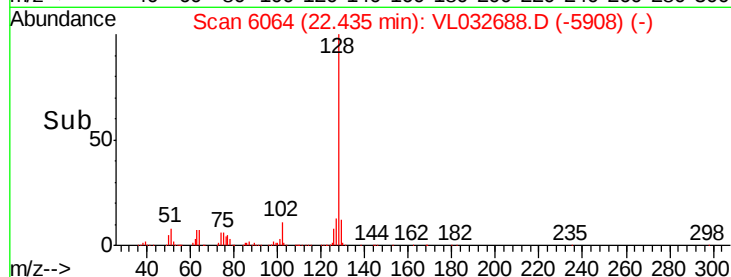
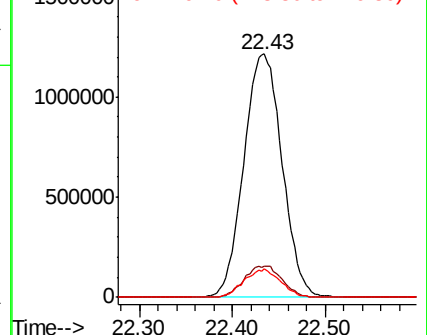
128 100

127 12.8 10.3 15.5

129 11.6 8.6 13.0



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.931 ppbv

RT: 25.13 min Scan# 6901

Delta R.T. 0.00 min

Lab File: VL032688.D

Acq: 24 Oct 2018 15:31

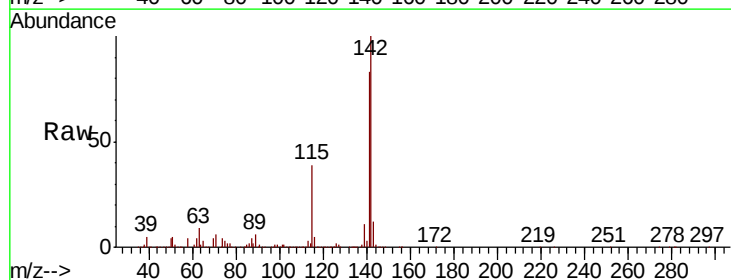
Tgt Ion:142 Resp: 1227277

Ion Ratio Lower Upper

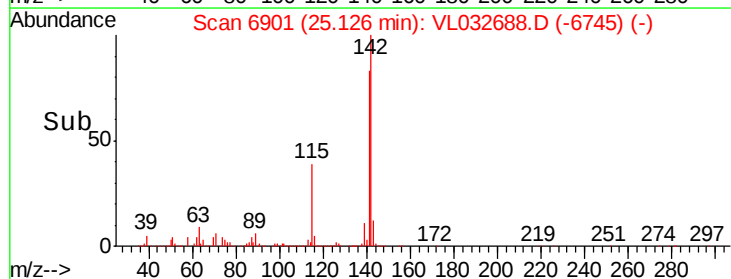
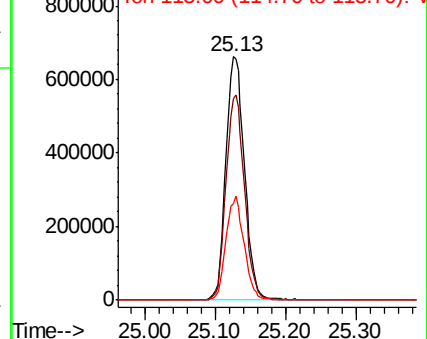
142 100

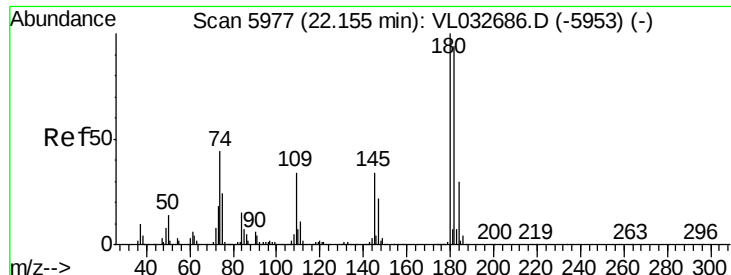
141 83.3 67.5 101.3

115 41.6 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.303 ppbv
 RT: 22.15 min Scan# 5977
 Delta R.T. 0.00 min
 Lab File: VL032688.D
 Acq: 24 Oct 2018 15:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABS01

Tgt Ion:180 Resp: 1647631
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.5 114.7
 184 30.0 24.7 37.1

