

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032687.D
 Acq On : 24 Oct 2018 14:52
 Operator : SY/AP
 Sample : VL1024ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

Quant Time: Oct 25 05:23:55 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	5.77	49	1494614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3617034	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3533851	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2700477	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.07	85	110	0.001	ppbv 99
3) Chlorodifluoromethane	3.09	51	430	0.004	ppbv 98
4) Chloromethane	3.18	50	443	0.007	ppbv # 71
5) Vinyl Chloride	3.38	62	105	0.001	ppbv # 43
6) Bromomethane	3.89	94	66	0.001	ppbv # 6
8) Dichlorotetrafluoroethane	3.09	85	75	0.000	ppbv # 20
9) Propene	3.04	41	410	0.009	ppbv # 15
10) Heptane	8.25	43	125	0.001	ppbv # 26
11) Trichlorofluoromethane	3.91	101	362	0.002	ppbv # 29
12) 1,1,2-Trichlorotrifluoroet	4.46	101	137	0.001	ppbv # 81
13) Ethanol	3.68	45	240	0.017	ppbv # 36
14) Bromoethene	3.61	108	42	0.001	ppbv # 1
15) Acetone	3.94	43	30782	0.223	ppbv # 85
16) 1,3-Butadiene	3.38	39	114	0.002	ppbv # 1
17) tert-Butyl alcohol	4.39	59	32	0.001	ppbv # 100
18) 1,1-Dichloroethene	4.09	96	106	0.001	ppbv # 1
19) Isopropyl Alcohol	4.06	45	158	0.002	ppbv # 93
20) Methylene Chloride	4.43	84	8346	0.119	ppbv # 70
21) Allyl Chloride	4.49	41	658	0.006	ppbv # 77
22) trans-1,2-Dichloroethene	4.95	96	37	0.000	ppbv # 1
23) Vinyl Acetate	5.16	43	1089	0.004	ppbv # 76
24) 1,1-Dichloroethane	4.95	63	62	0.000	ppbv # 89
25) Ethyl Acetate	5.77	43	359	0.001	ppbv # 75
26) Hexane	5.80	57	2375	0.016	ppbv # 39
27) Carbon Disulfide	4.64	76	287	0.002	ppbv # 1
28) Methyl tert-Butyl Ether	5.08	73	144	0.001	ppbv # 1
29) Chloroform	5.79	83	195	0.001	ppbv 95
30) Cyclohexane	7.27	84	144	0.001	ppbv # 1
31) cis-1,2-Dichloroethene	5.71	61	118	0.001	ppbv # 24
32) 1,1,1-Trichloroethane	6.20	97	113	0.000	ppbv 95
34) 2-Butanone	5.34	43	142	0.001	ppbv # 68
35) Carbon Tetrachloride	7.08	117	77	0.000	ppbv # 80
36) Benzene	7.02	78	633	0.002	ppbv # 58
37) 1,2-Dichloroethane	6.42	62	105	0.001	ppbv # 84
38) Trichloroethene	7.97	130	132	0.001	ppbv # 25
39) 1,2-Dichloropropane	7.30	63	889559	7.843	ppbv # 25
40) 1,4-Dioxane	7.98	88	253	0.007	ppbv # 15
41) Tetrahydrofuran	6.18	42	259	0.002	ppbv # 35
42) Bromodichloromethane	7.93	83	201	0.001	ppbv # 24
43) Methyl Methacrylate	7.76	69	110	0.001	ppbv 94
44) 2,2,4-Trimethylpentane	7.99	57	160	0.000	ppbv # 44

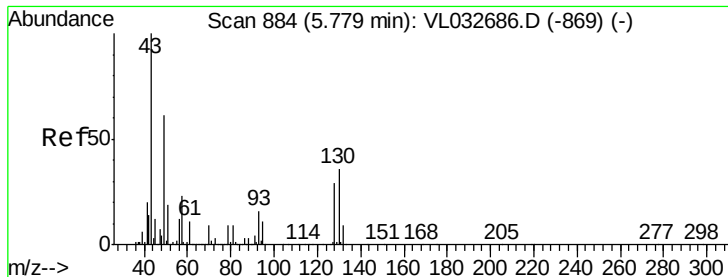
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032687.D
 Acq On : 24 Oct 2018 14:52
 Operator : SY/AP
 Sample : VL1024ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL1024ABL01

Quant Time: Oct 25 05:23:55 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)
45) t-1,3-Dichloropropene	9.43	75	317	0.002	ppbv #	43
46) cis-1,3-Dichloropropene	8.86	75	191	0.001	ppbv #	23
47) 1,1,2-Trichloroethane	9.62	97	109	0.001	ppbv #	1
48) Dibromochloromethane	10.41	129	80	0.000	ppbv	68
49) Bromoform	13.20	173	277	0.002	ppbv #	27
50) 4-Methyl-2-Pentanone	8.88	43	176	0.001	ppbv #	38
51) 2-Hexanone	10.30	43	118	0.001	ppbv #	28
52) Tetrachloroethene	11.38	164	101	0.001	ppbv #	51
53) Toluene	9.96	91	147	0.000	ppbv #	20
54) 1,2-Dibromoethane	10.75	107	109	0.001	ppbv	82
56) 1,1,1,2-Tetrachloroethane	12.64	131	99	0.001	ppbv #	9
57) Chlorobenzene	12.31	112	479	0.002	ppbv #	38
58) Ethyl Benzene	12.99	91	192	0.000	ppbv	94
59) m/p-Xylene	13.17	91	328	0.001	ppbv #	31
60) o-Xylene	13.85	91	100	0.000	ppbv	92
61) Styrene	13.70	104	186	0.001	ppbv #	1
62) Isopropylbenzene	14.83	105	284	0.001	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.85	83	251	0.001	ppbv #	1
64) n-propylbenzene	15.84	120	117	0.001	ppbv #	49
65) tert-Butylbenzene	16.98	119	419	0.001	ppbv #	59
66) Benzyl Chloride	17.16	91	1126	0.005	ppbv #	66
67) sec-Butylbenzene	17.47	105	582	0.001	ppbv #	60
69) p-Isopropyltoluene	17.82	119	283	0.001	ppbv #	47
70) n-Butylbenzene	18.74	91	874	0.002	ppbv #	29
71) 2-Chlorotoluene	15.83	91	142	0.000	ppbv	87
72) 4-Ethyltoluene	16.02	105	421	0.001	ppbv #	36
73) 1,3,5-Trimethylbenzene	16.16	105	639	0.002	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.94	105	1208	0.003	ppbv #	73
75) 1,3-Dichlorobenzene	17.18	146	879	0.004	ppbv #	23
76) 1,4-Dichlorobenzene	17.32	146	723	0.003	ppbv #	1
77) 1,2-Dichlorobenzene	18.00	146	456	0.002	ppbv #	22
78) Hexachloro-1,3-Butadiene	23.53	225	723	0.007	ppbv #	19
79) Naphthalene	22.08	128	3223	0.013	ppbv	96
80) Naphthalene,2-methyl-	25.14	142	7858	0.133	ppbv	97
81) 1,2,4-Trichlorobenzene	22.15	180	419	0.003	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

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MSVOA_L

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VL1024ABL01

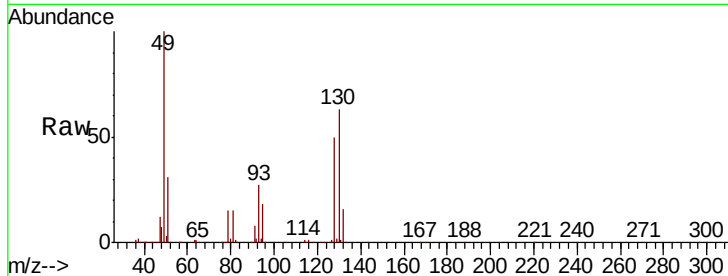
Tgt Ion: 49 Resp: 1494614

Ion Ratio Lower Upper

49 100

128 49.7 22.3 66.8

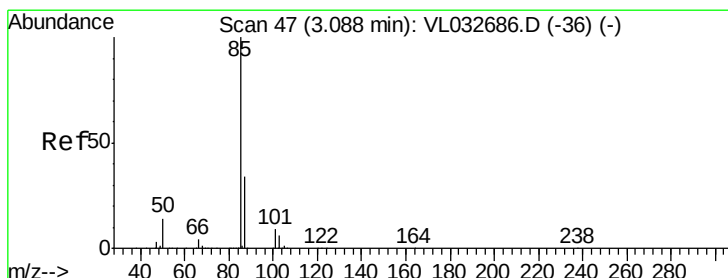
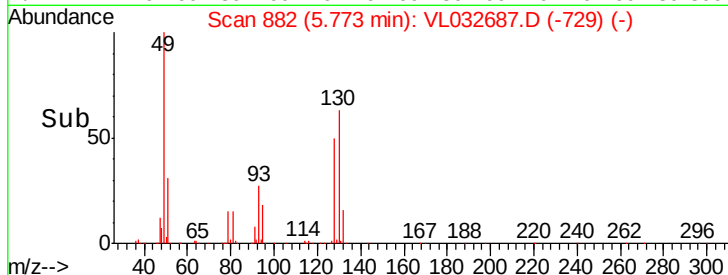
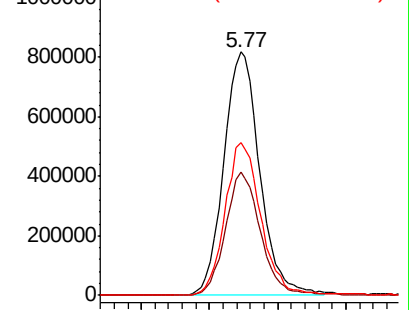
130 63.9 28.4 85.3



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: 0.001 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.02 min

Lab File: VL032687.D

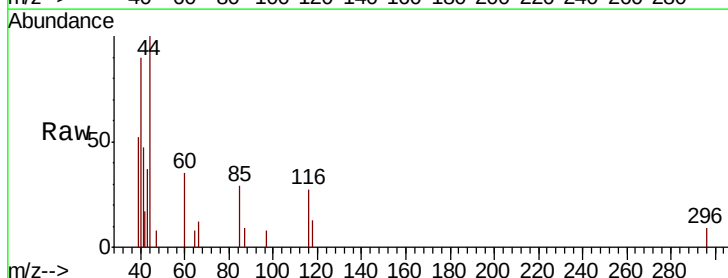
Acq: 24 Oct 2018 14:52

Tgt Ion: 85 Resp: 110

Ion Ratio Lower Upper

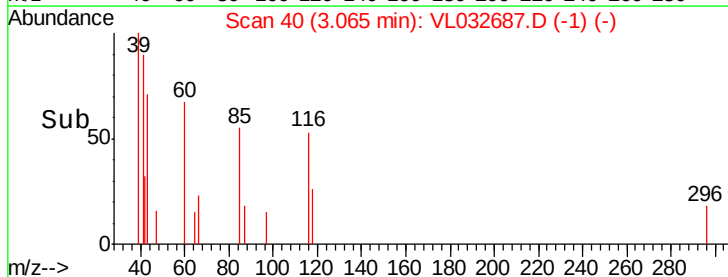
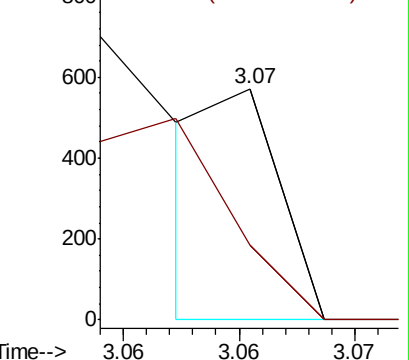
85 100

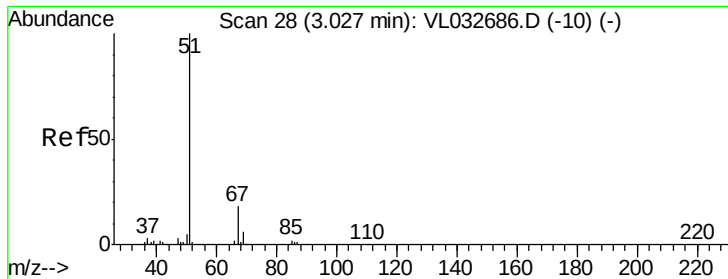
87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.004 ppbv

RT: 3.09 min Scan# 49

Delta R.T. 0.07 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

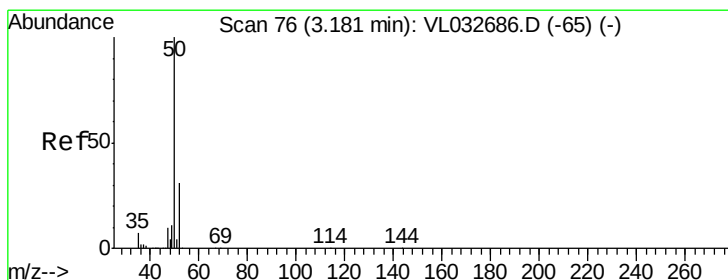
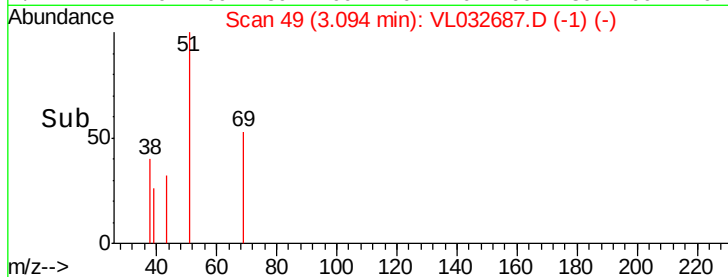
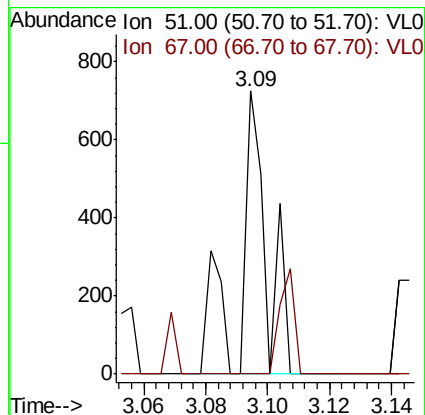
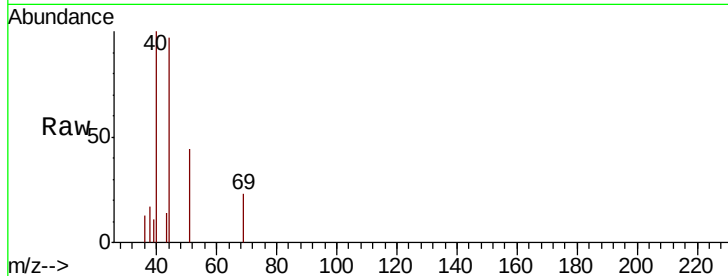
VL1024ABL01

Tgt Ion: 51 Resp: 430

Ion Ratio Lower Upper

51 100

67 20.0 15.2 22.8



#4

Chloromethane

Concen: 0.007 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032687.D

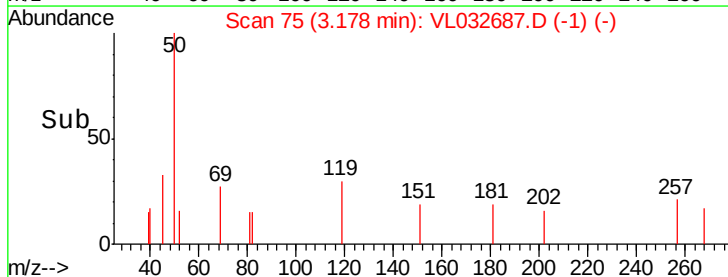
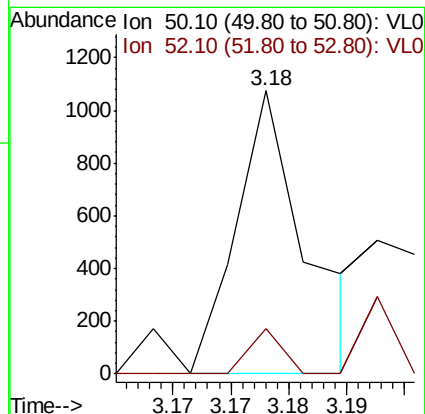
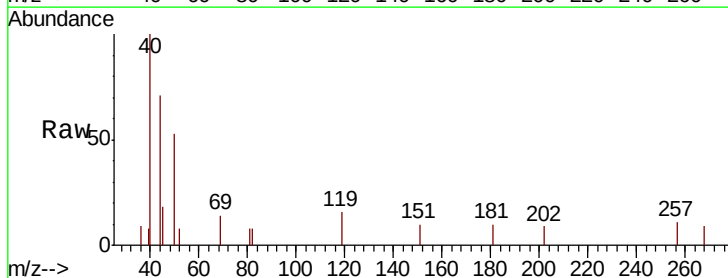
Acq: 24 Oct 2018 14:52

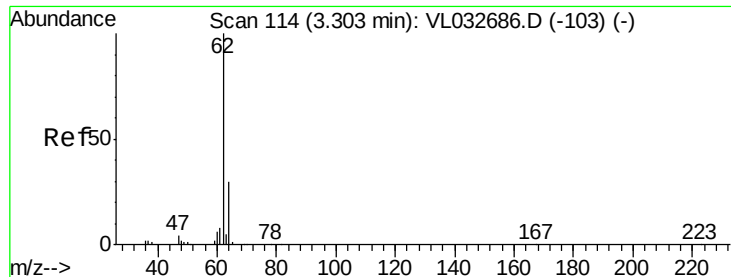
Tgt Ion: 50 Resp: 443

Ion Ratio Lower Upper

50 100

52 15.9 25.9 38.9#





#5

Vinyl Chloride

Concen: 0.001 ppbv

RT: 3.38 min Scan# 137

Delta R.T. 0.08 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

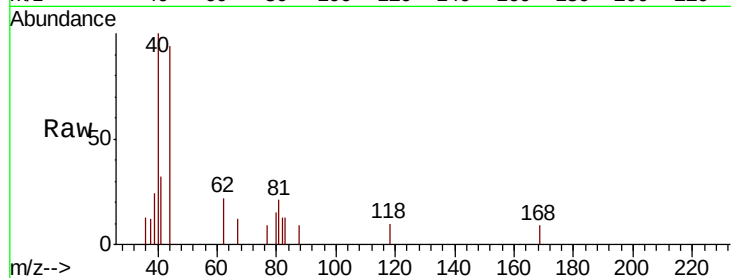
VL1024ABL01

Tgt Ion: 62 Resp: 105

Ion Ratio Lower Upper

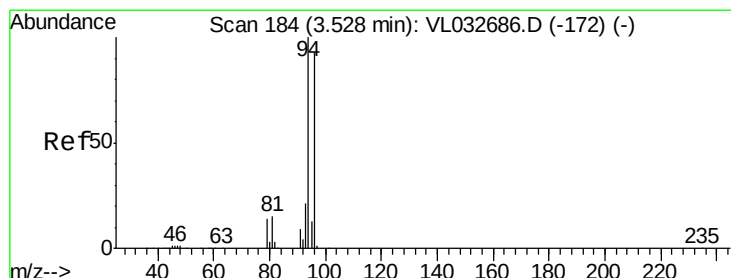
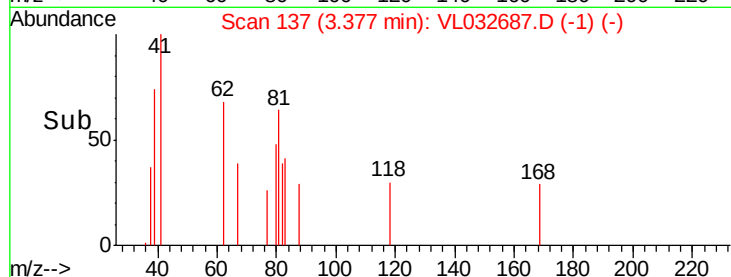
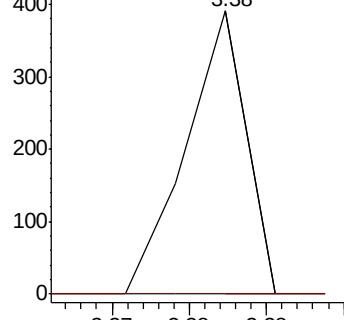
62 100

64 0.0 25.5 38.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.001 ppbv

RT: 3.89 min Scan# 297

Delta R.T. 0.37 min

Lab File: VL032687.D

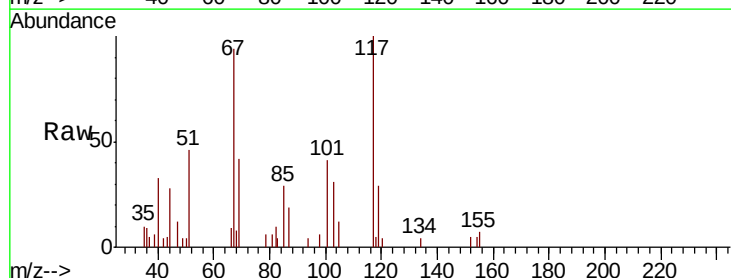
Acq: 24 Oct 2018 14:52

Tgt Ion: 94 Resp: 66

Ion Ratio Lower Upper

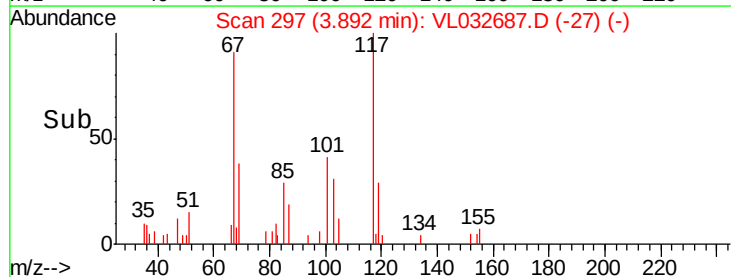
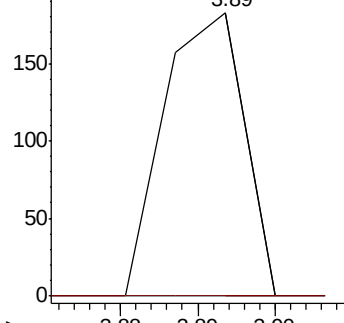
94 100

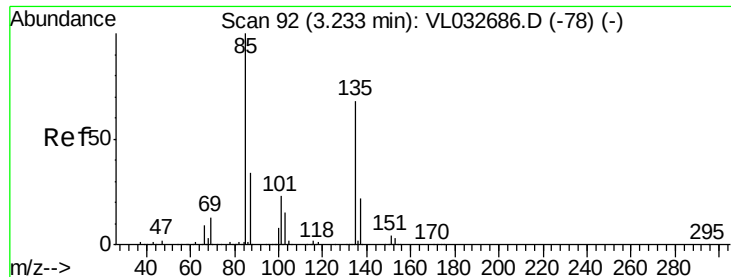
96 0.0 69.8 104.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.000 ppbv

RT: 3.09 min Scan# 47

Delta R.T. -0.14 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

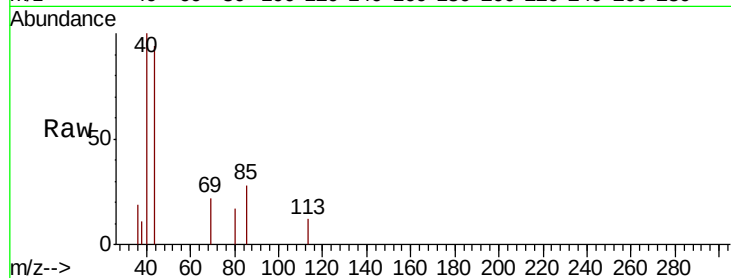
VL1024ABL01

Tgt Ion: 85 Resp: 75

Ion Ratio Lower Upper

85 100

135 0.0 49.0 73.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

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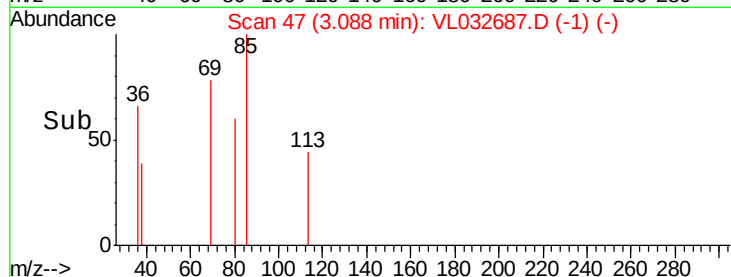
3.09

3.09

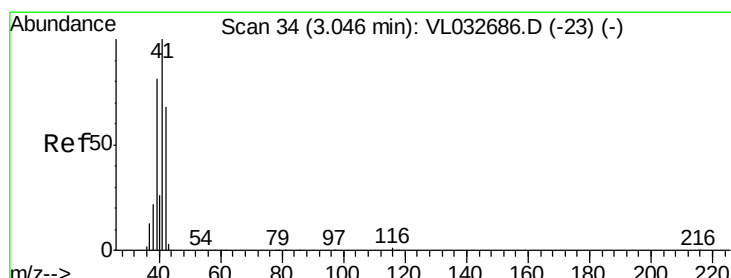
3.09

3.09

3.09



Time-->



#9

Propene

Concen: 0.009 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032687.D

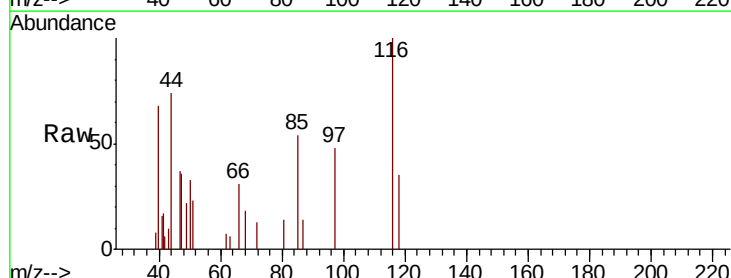
Acq: 24 Oct 2018 14:52

Tgt Ion: 41 Resp: 410

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

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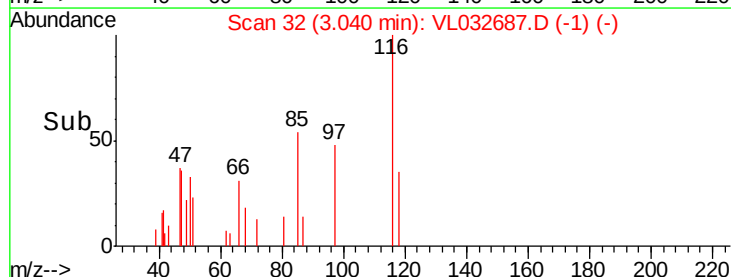
3.04

3.04

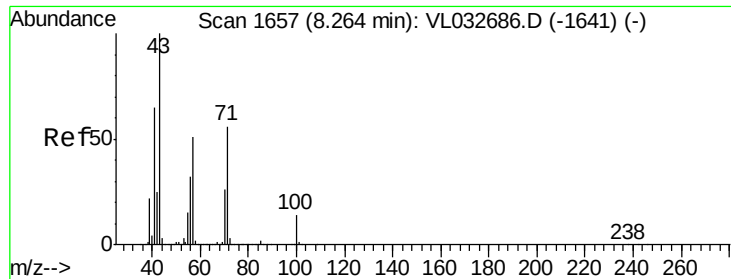
3.04

3.04

3.04



Time-->



#10

Heptane

Concen: 0.001 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

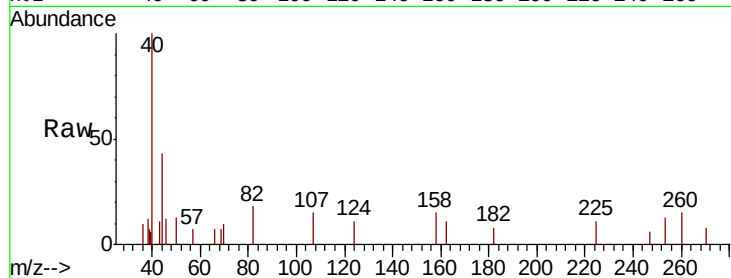
VL1024ABL01

Tgt Ion: 43 Resp: 125

Ion Ratio Lower Upper

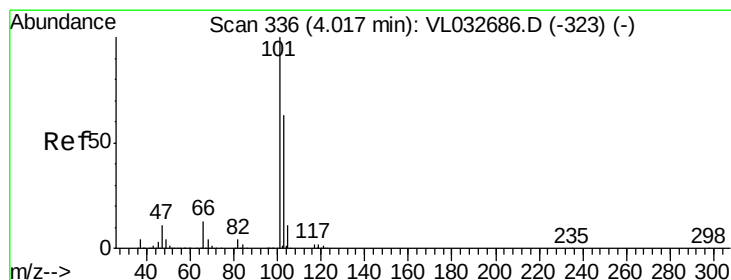
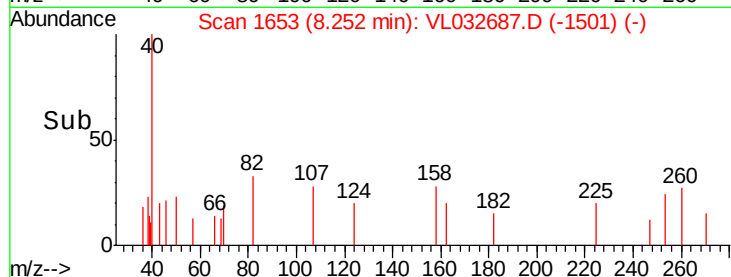
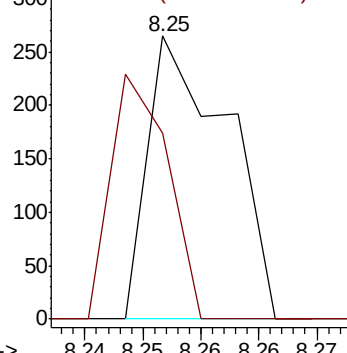
43 100

57 0.0 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: 0.002 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.11 min

Lab File: VL032687.D

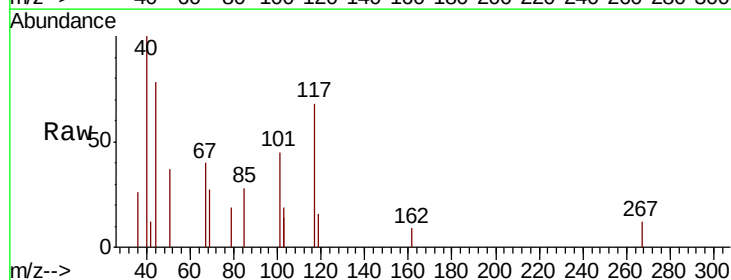
Acq: 24 Oct 2018 14:52

Tgt Ion: 101 Resp: 362

Ion Ratio Lower Upper

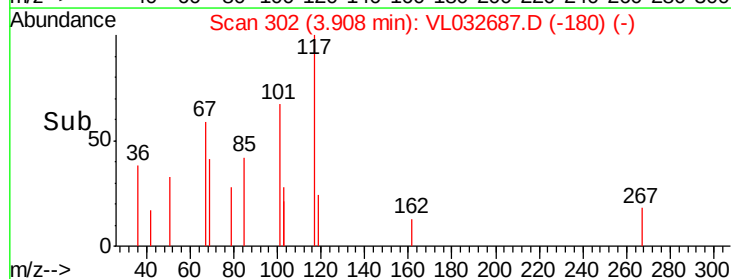
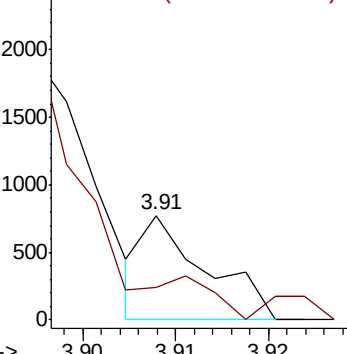
101 100

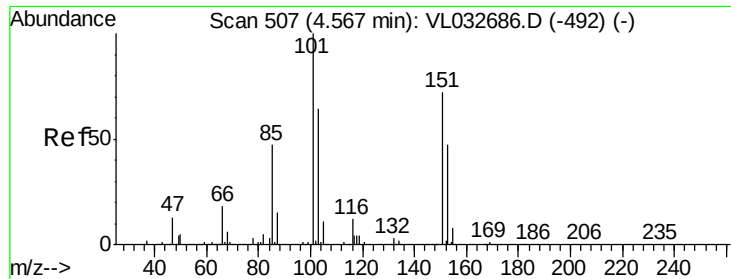
103 8.8 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.001 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.11 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

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MSVOA_L

ClientSampleId :

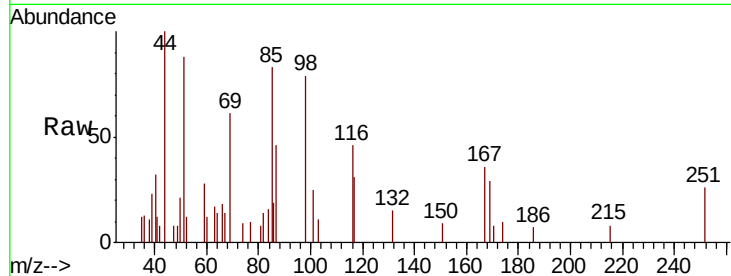
VL1024ABL01

Tgt Ion:101 Resp: 137

Ion Ratio Lower Upper

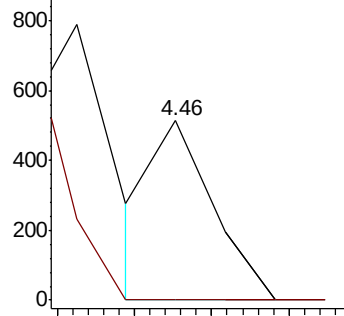
101 100

151 50.4 52.3 78.5#

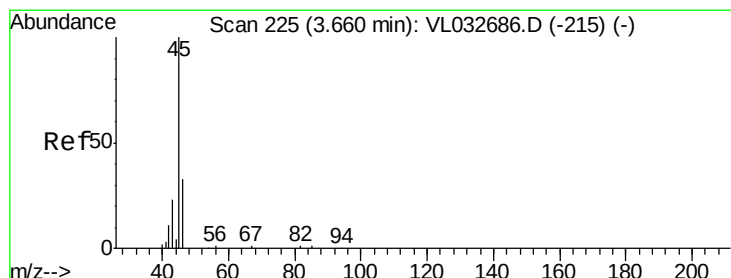
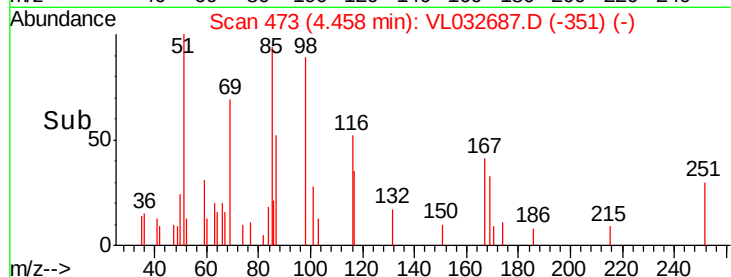


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



Time-->



#13

Ethanol

Concen: 0.017 ppbv

RT: 3.68 min Scan# 230

Delta R.T. 0.02 min

Lab File: VL032687.D

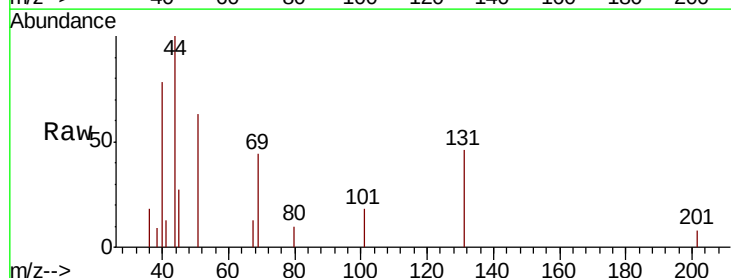
Acq: 24 Oct 2018 14:52

Tgt Ion: 45 Resp: 240

Ion Ratio Lower Upper

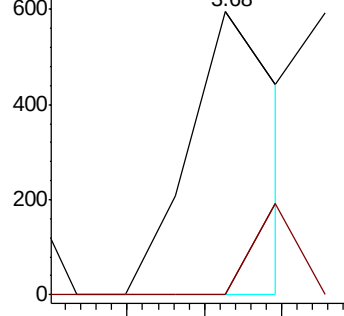
45 100

46 0.0 15.4 61.8#

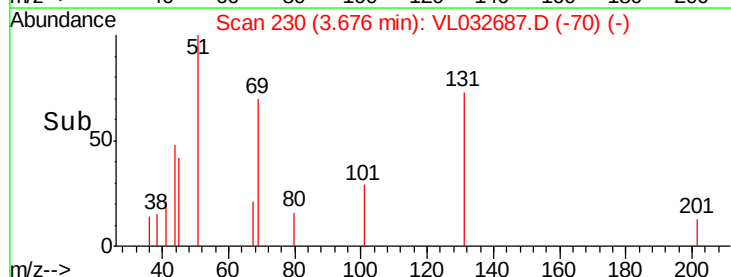


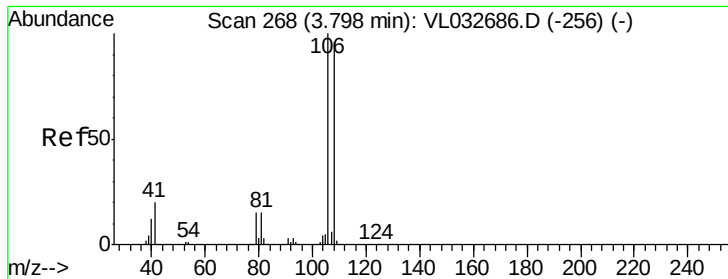
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Time-->





#14

Bromoethene

Concen: 0.001 ppbv

RT: 3.61 min Scan# 209

Delta R.T. -0.19 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

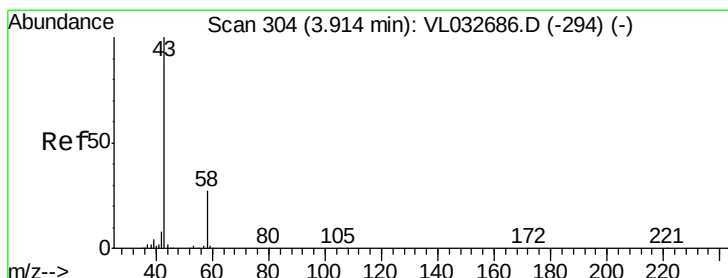
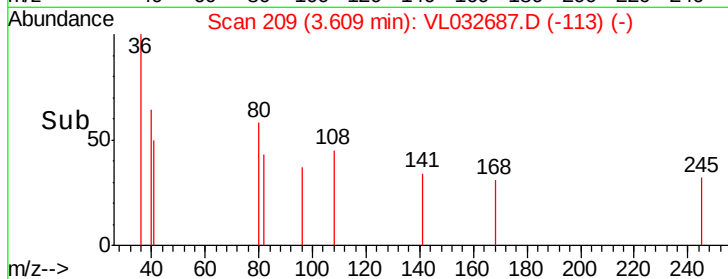
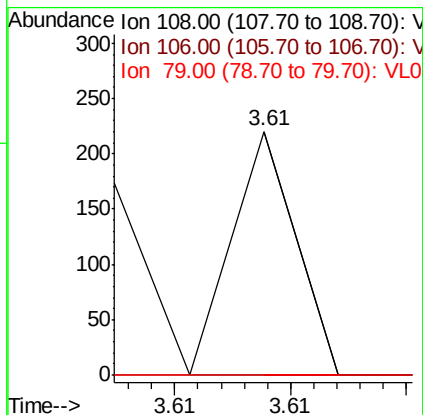
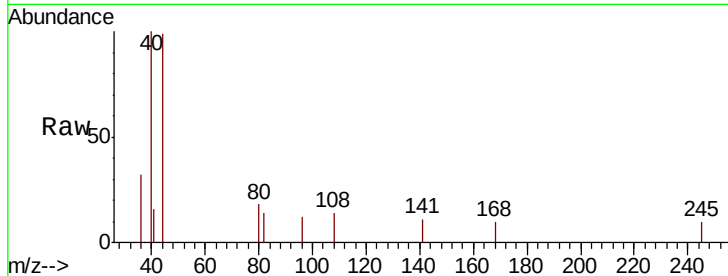
Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

Tgt Ion:	108	Resp:	42
Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.0	127.4#
79	383.3	13.7	20.5#



#15

Acetone

Concen: 0.223 ppbv

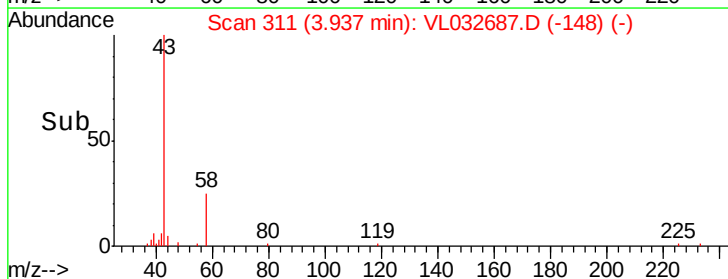
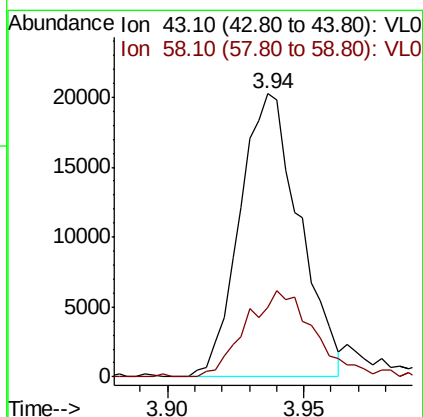
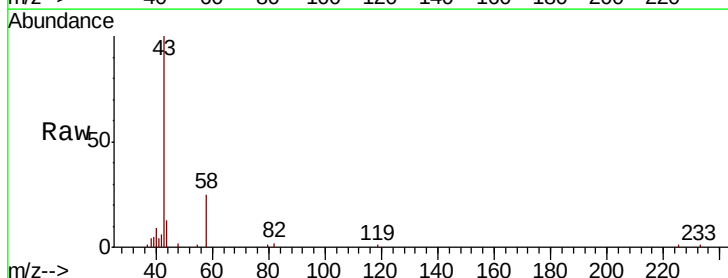
RT: 3.94 min Scan# 311

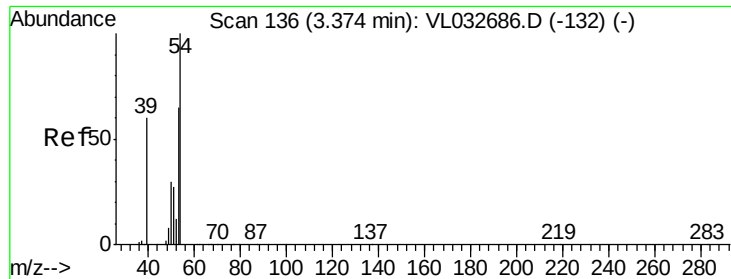
Delta R.T. 0.03 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Tgt Ion:	43	Resp:	30782
Ion	Ratio	Lower	Upper
43	100		
58	35.3	22.1	33.1#

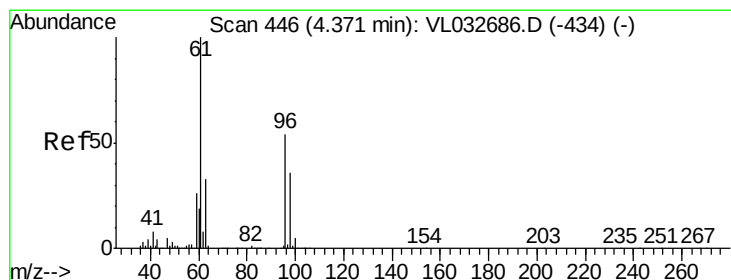
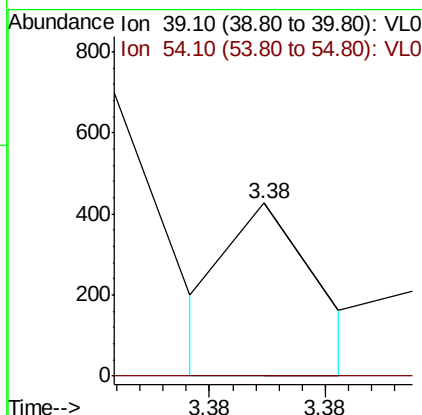
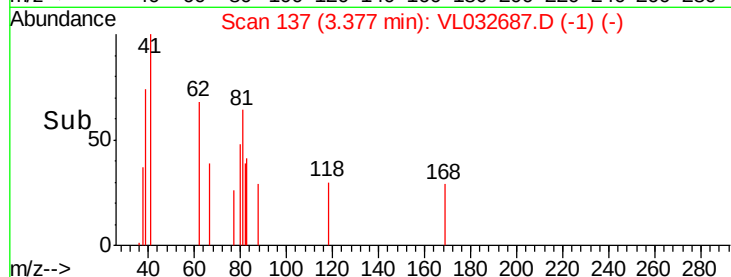
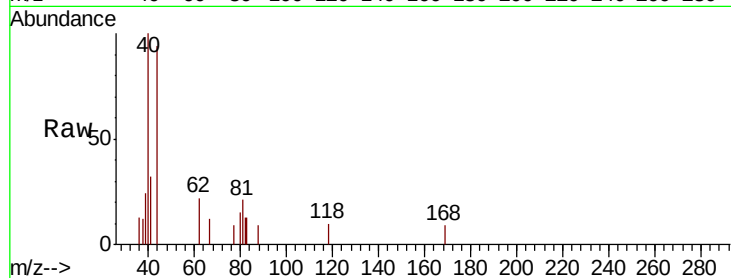




#16
1,3-Butadiene
Concen: 0.002 ppbv
RT: 3.38 min Scan# 137
Delta R.T. 0.00 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

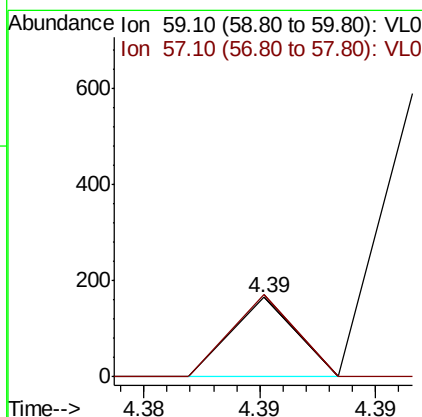
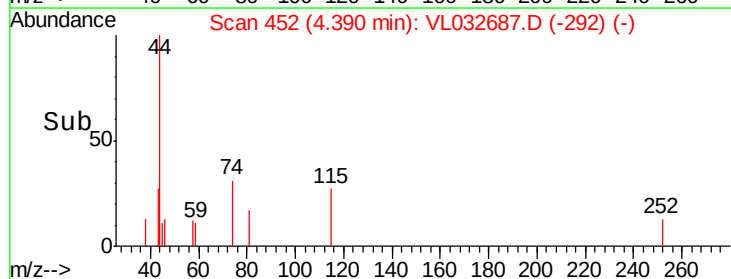
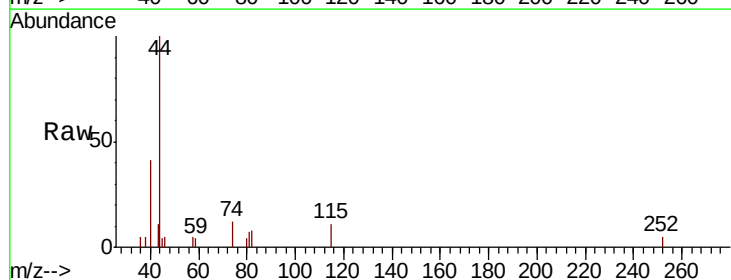
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

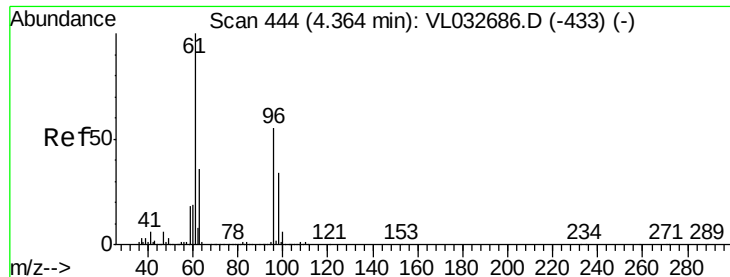
Tgt Ion: 39 Resp: 114
Ion Ratio Lower Upper
39 100
54 0.0 90.4 135.6#



#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.39 min Scan# 452
Delta R.T. 0.02 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 59 Resp: 32
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0





#18

1,1-Dichloroethene

Concen: 0.001 ppbv

RT: 4.09 min Scan# 359

Delta R.T. -0.27 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

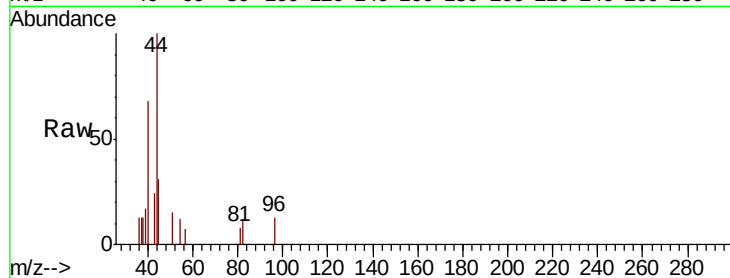
Tgt Ion: 96 Resp: 106

Ion Ratio Lower Upper

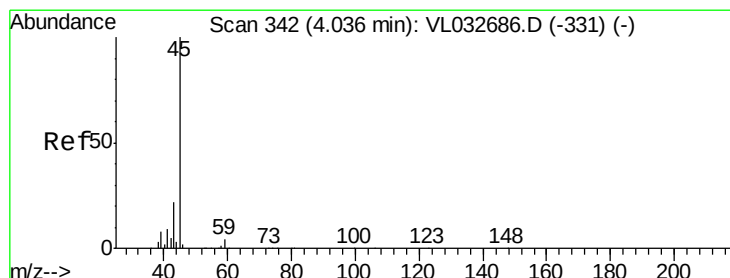
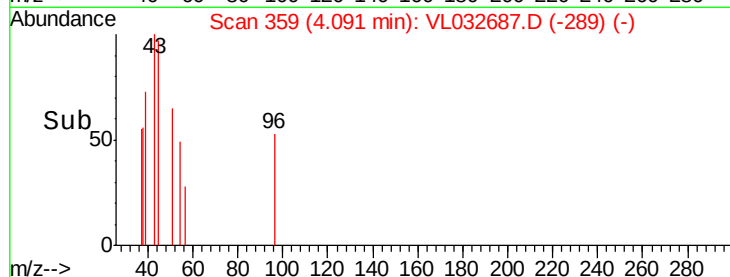
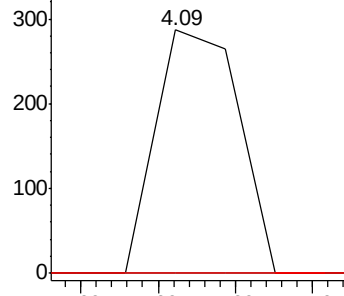
96 100

61 0.0 151.6 227.4#

98 0.0 50.6 75.8#



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



#19

Isopropyl Alcohol

Concen: 0.002 ppbv

RT: 4.06 min Scan# 348

Delta R.T. 0.02 min

Lab File: VL032687.D

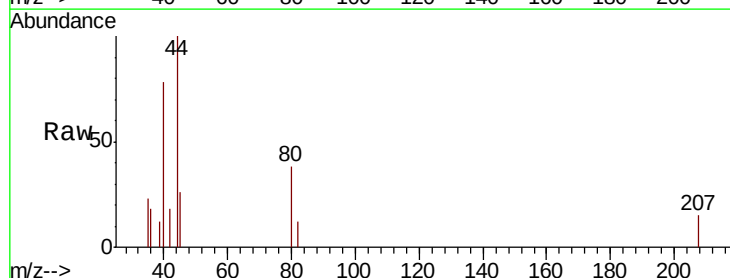
Acq: 24 Oct 2018 14:52

Tgt Ion: 45 Resp: 158

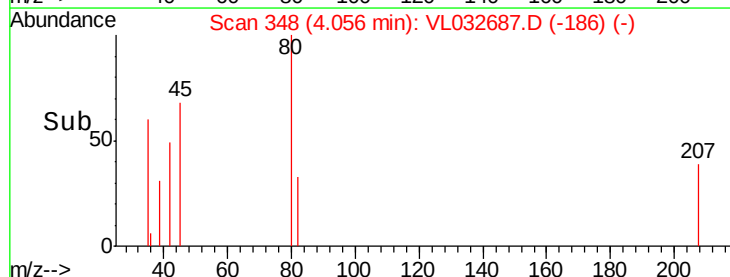
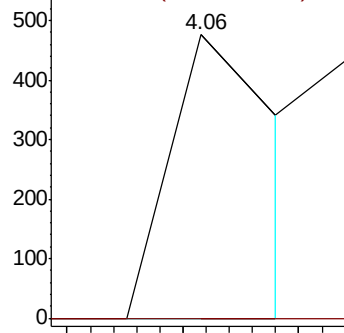
Ion Ratio Lower Upper

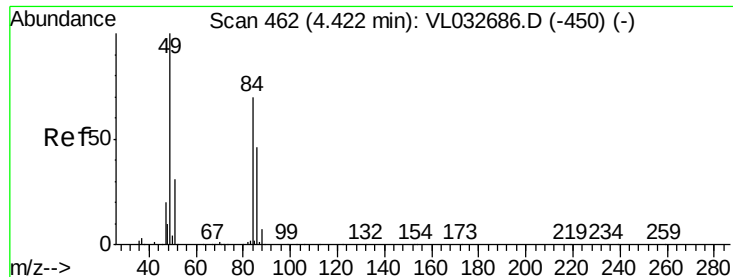
45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

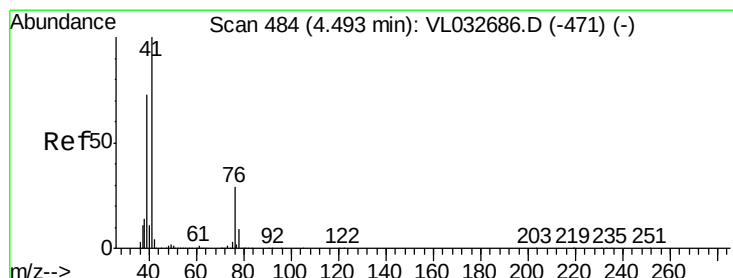
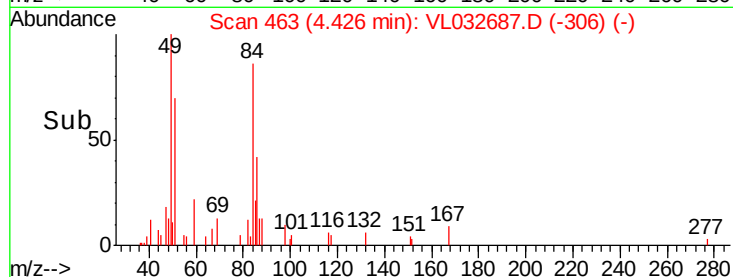
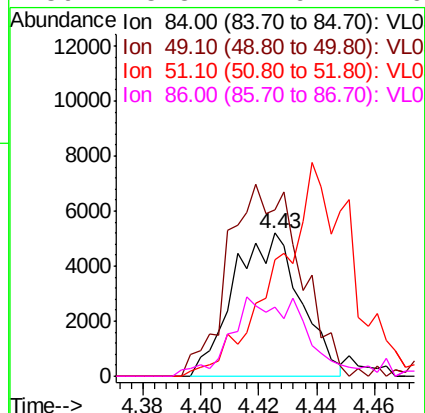
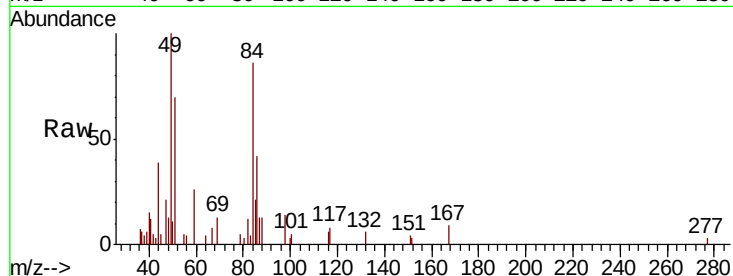




#20
Methylene Chloride
Concen: 0.119 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

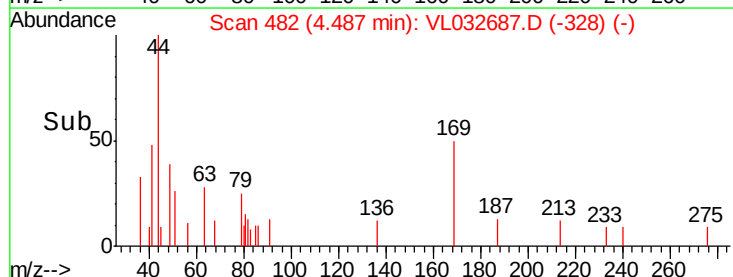
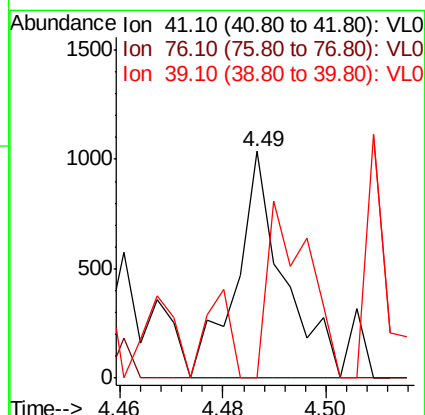
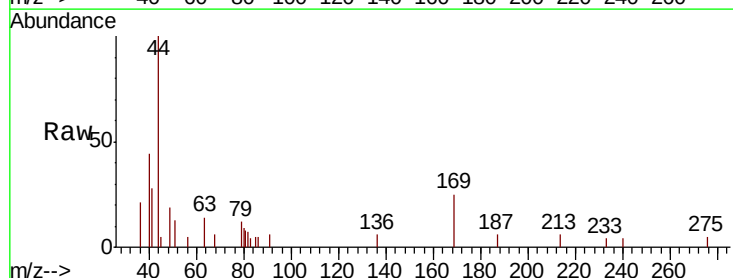
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

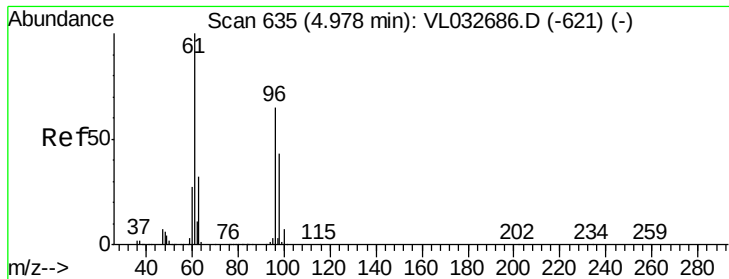
Tgt Ion: 84 Resp: 8346
Ion Ratio Lower Upper
84 100
49 109.3 113.5 170.3#
51 77.7 34.8 52.2#
86 43.3 47.9 71.9#



#21
Allyl Chloride
Concen: 0.006 ppbv
RT: 4.49 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 41 Resp: 658
Ion Ratio Lower Upper
41 100
76 0.0 24.3 36.5#
39 67.2 60.3 90.5





#22

trans-1,2-Dichloroethene

Concen: 0.000 ppbv

RT: 4.95 min Scan# 625

Delta R.T. -0.03 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

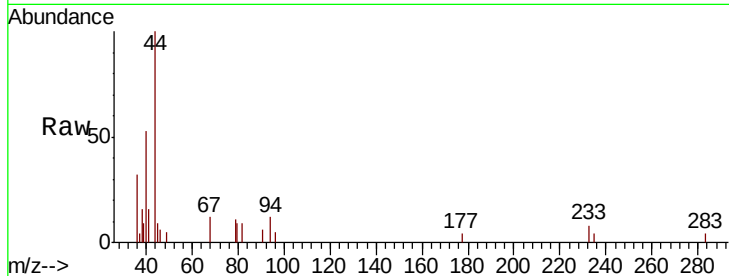
Tgt Ion: 96 Resp: 37

Ion Ratio Lower Upper

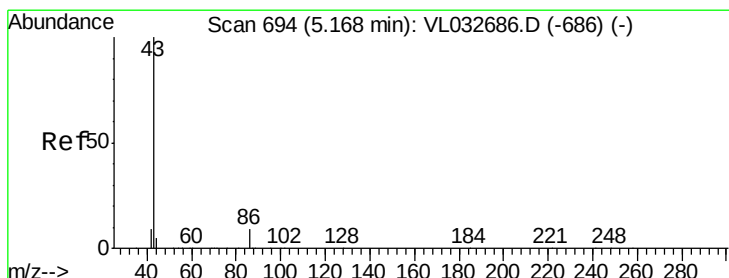
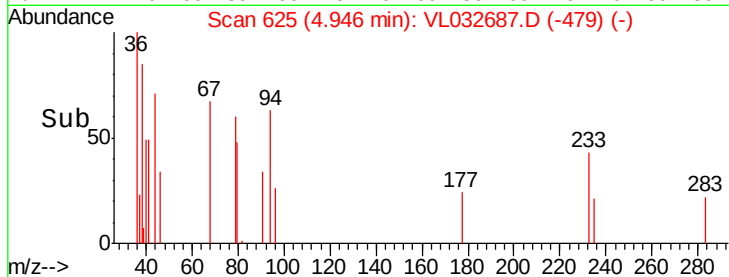
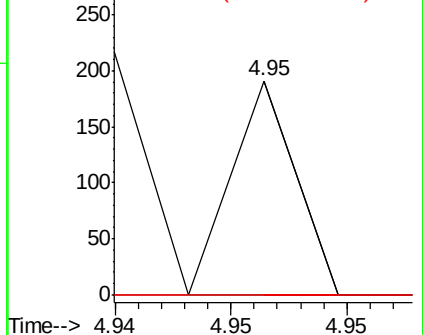
96 100

61 0.0 140.4 210.6#

98 0.0 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: 0.004 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Tgt Ion: 43 Resp: 1089

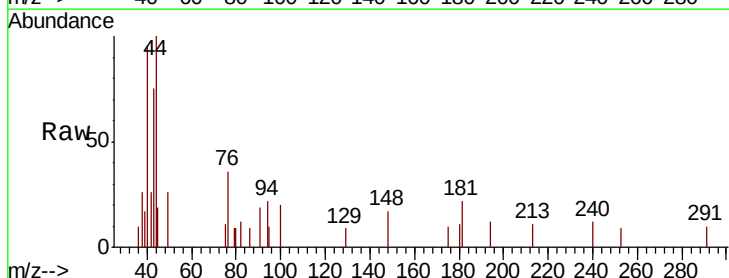
Ion Ratio Lower Upper

43 100

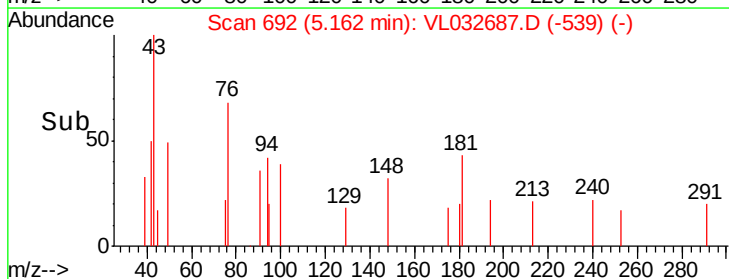
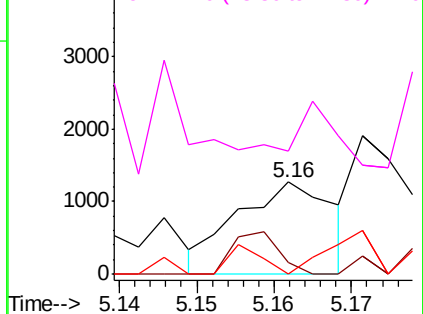
86 17.2 6.1 9.1#

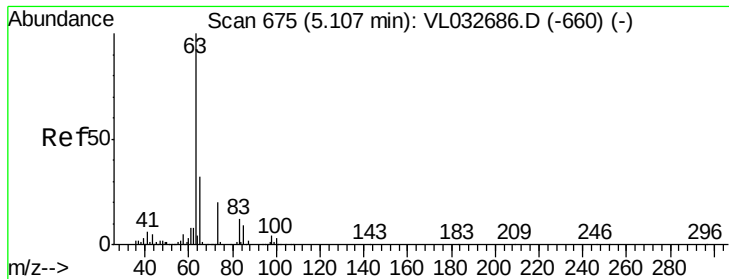
42 0.0 7.4 11.2#

44 0.0 4.2 6.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.000 ppbv

RT: 4.95 min Scan# 626

Delta R.T. -0.15 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

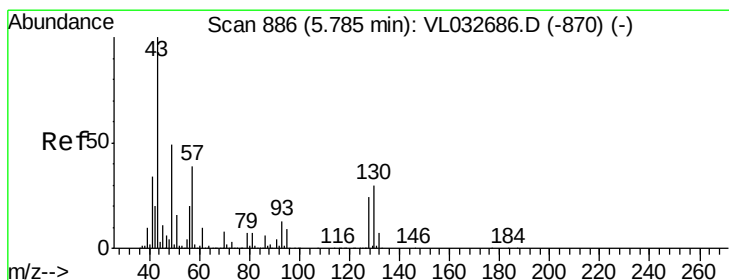
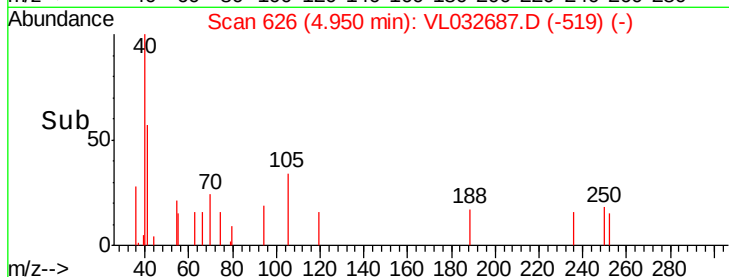
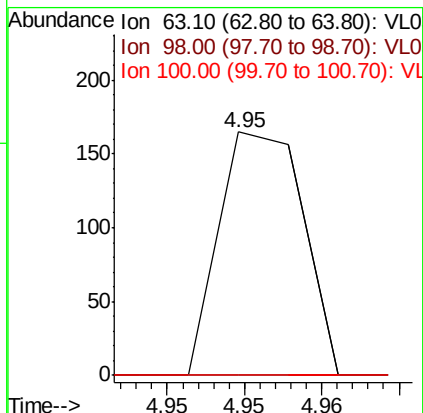
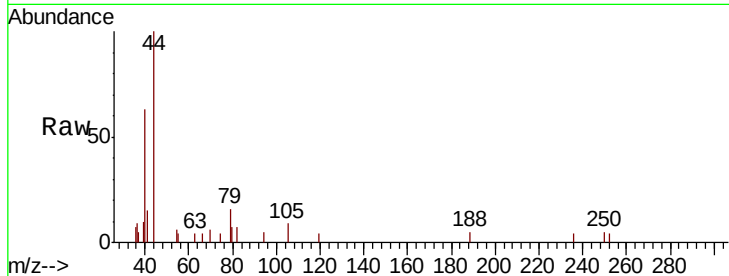
Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

Tgt Ion:	63	Resp:	62
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.3#
100	0.0	1.2	3.6#



#25

Ethyl Acetate

Concen: 0.001 ppbv

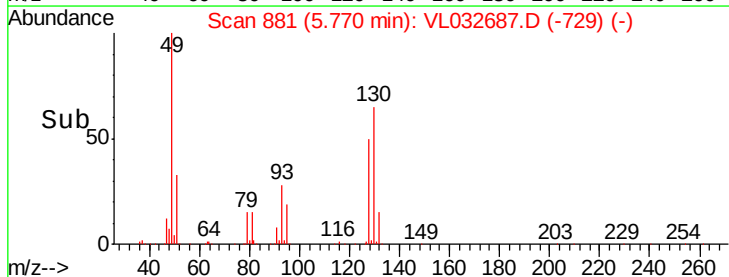
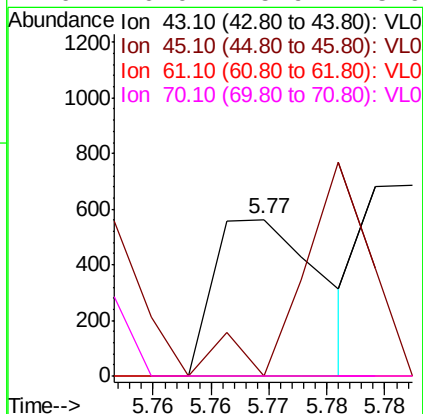
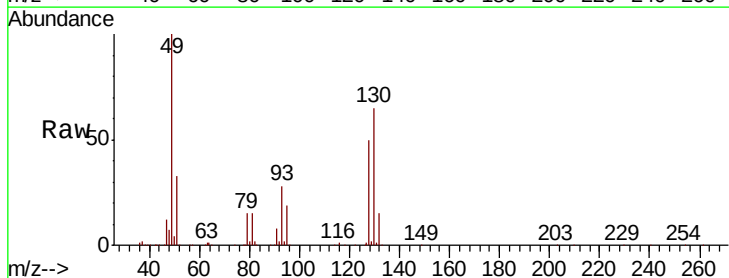
RT: 5.77 min Scan# 881

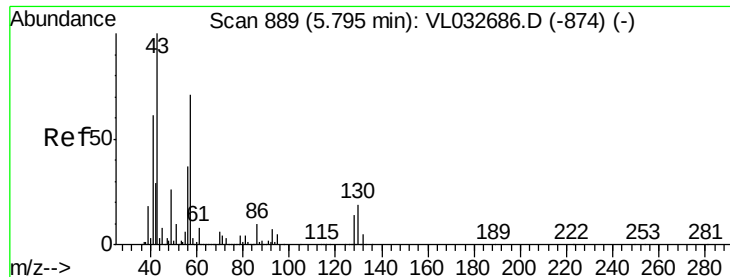
Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Tgt Ion:	43	Resp:	359
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	8.0	12.0#
70	0.0	5.9	8.9#

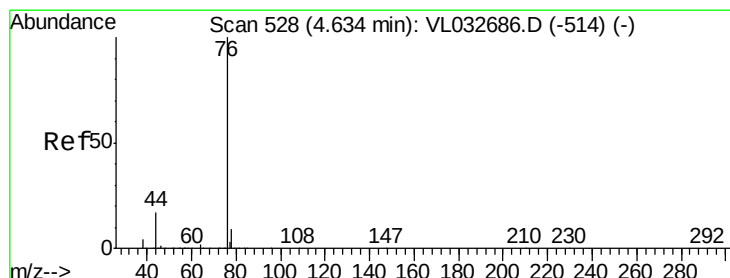
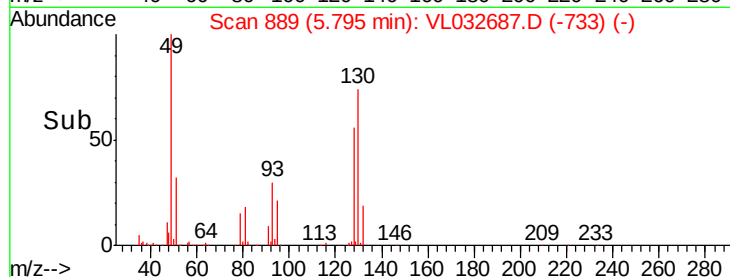
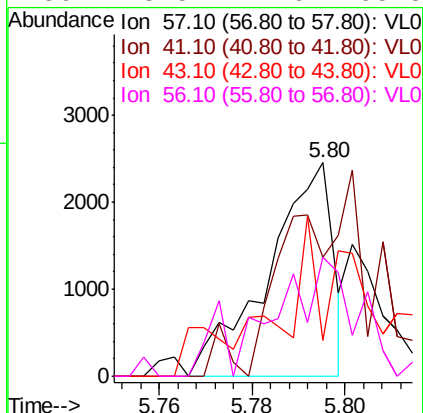
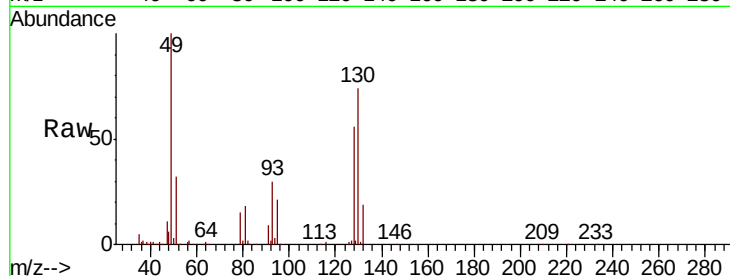




#26
Hexane
Concen: 0.016 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

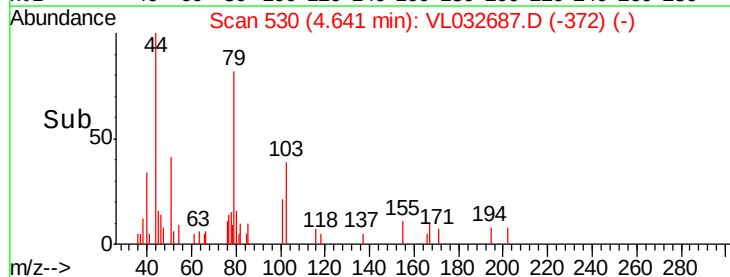
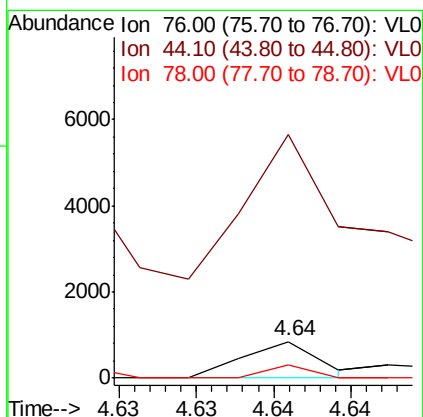
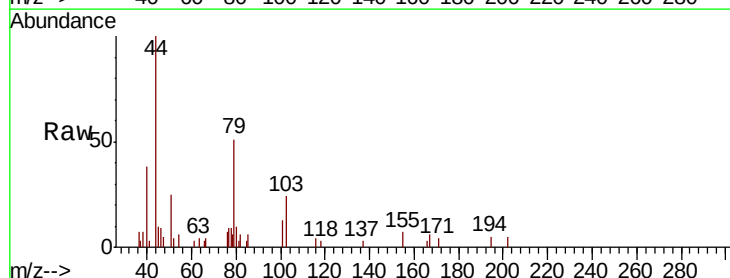
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

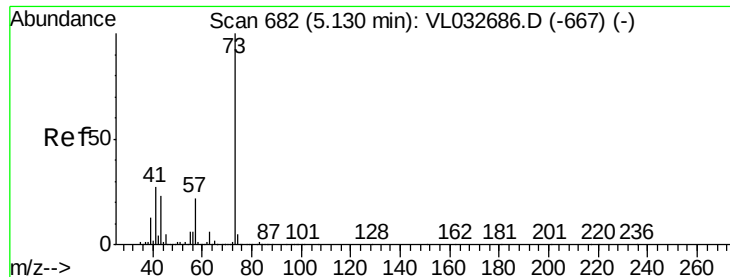
Tgt Ion: 57 Resp: 2375
Ion Ratio Lower Upper
57 100
41 0.0 67.4 101.0#
43 129.3 171.9 257.9#
56 78.5 42.6 63.8#



#27
Carbon Disulfide
Concen: 0.002 ppbv
RT: 4.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 76 Resp: 287
Ion Ratio Lower Upper
76 100
44 4559.2 13.7 20.5#
78 82.2 7.4 11.2#





#28

Methyl tert-Butyl Ether

Concen: 0.001 ppbv

RT: 5.08 min Scan# 666

Delta R.T. -0.05 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

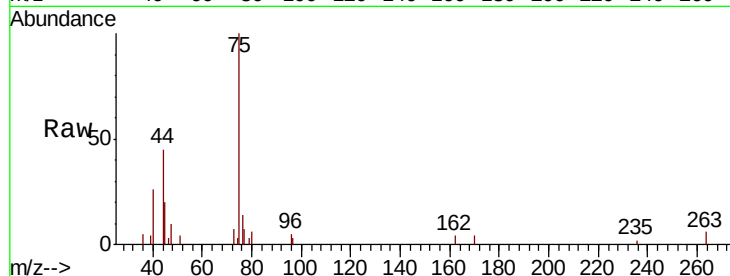
VL1024ABL01

Tgt Ion: 73 Resp: 144

Ion Ratio Lower Upper

73 100

57 73.6 18.0 27.0#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

500

400

300

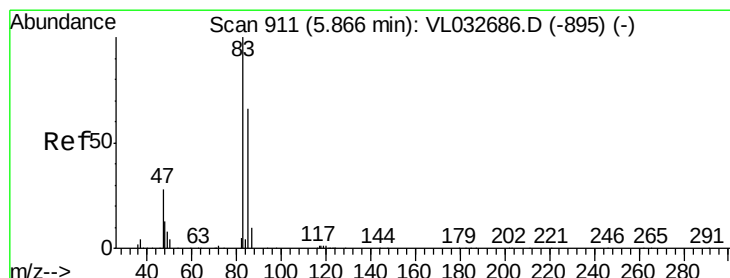
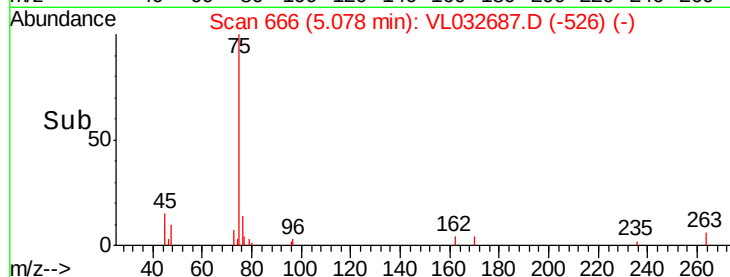
200

100

0

5.07 5.08 5.08

Time-->



#29

Chloroform

Concen: 0.001 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.07 min

Lab File: VL032687.D

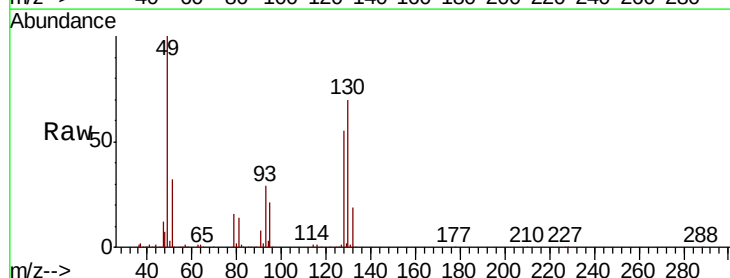
Acq: 24 Oct 2018 14:52

Tgt Ion: 83 Resp: 195

Ion Ratio Lower Upper

83 100

85 62.6 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

800

600

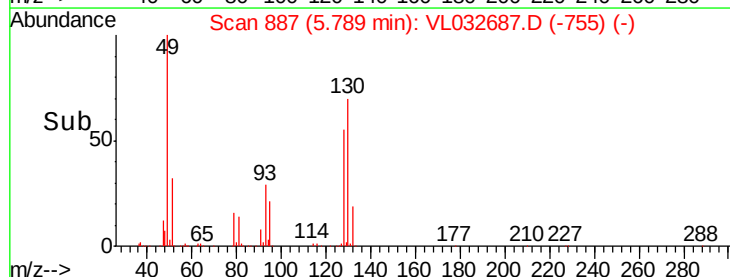
400

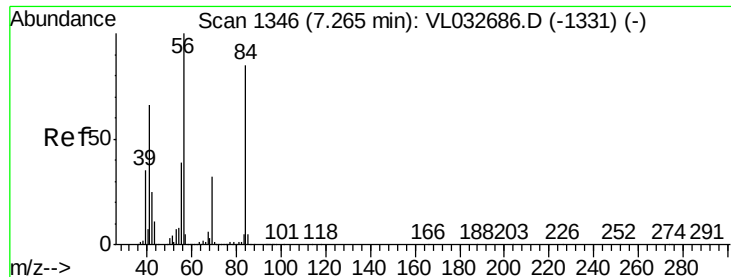
200

0

5.78 5.79 5.80

Time-->

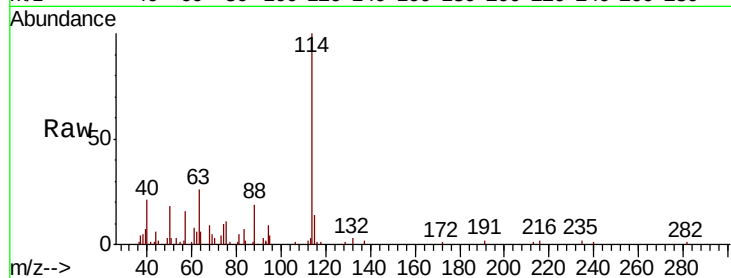




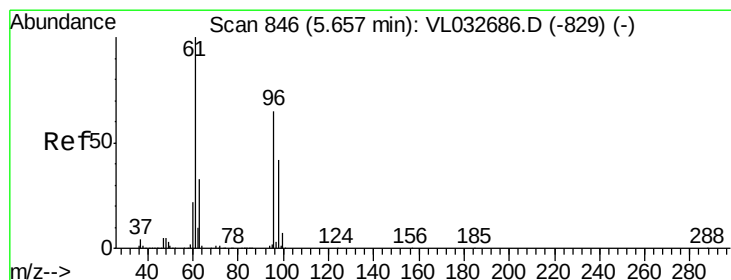
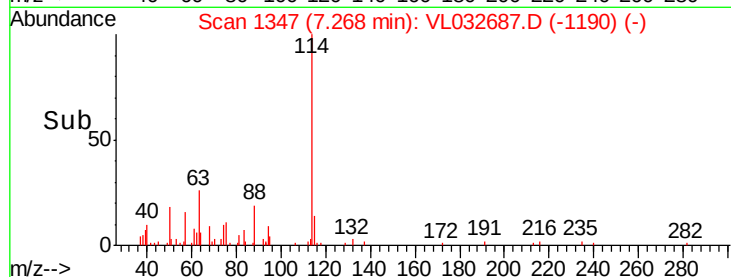
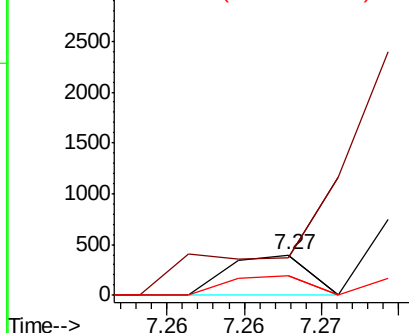
#30
Cyclohexane
Concen: 0.001 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

Tgt Ion: 84 Resp: 144
Ion Ratio Lower Upper
84 100
56 0.0 108.3 162.5#
41 0.0 64.8 97.2#

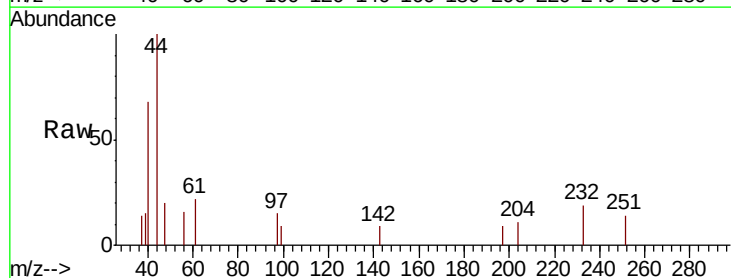


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

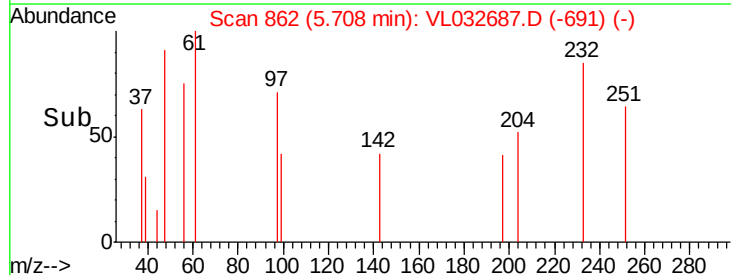
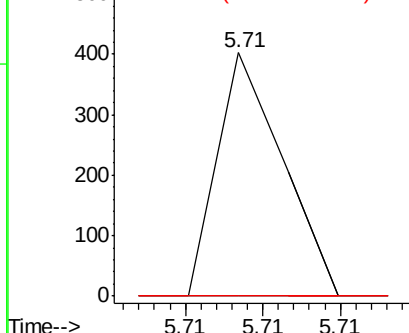


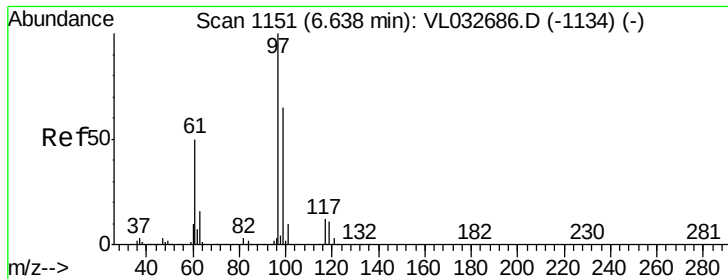
#31
cis-1,2-Dichloroethene
Concen: 0.001 ppbv
RT: 5.71 min Scan# 862
Delta R.T. 0.05 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 61 Resp: 118
Ion Ratio Lower Upper
61 100
96 0.0 51.8 77.6#
98 0.0 33.8 50.6#



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

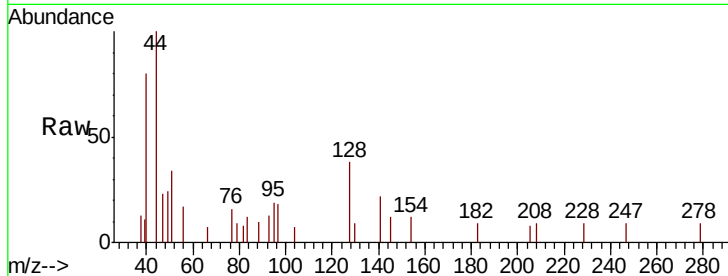




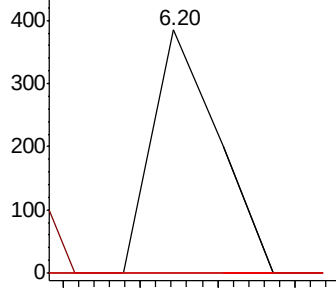
#32
 1,1,1-Trichloroethane
 Concen: 0.000 ppbv
 RT: 6.20 min Scan# 1014
 Delta R.T. -0.44 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

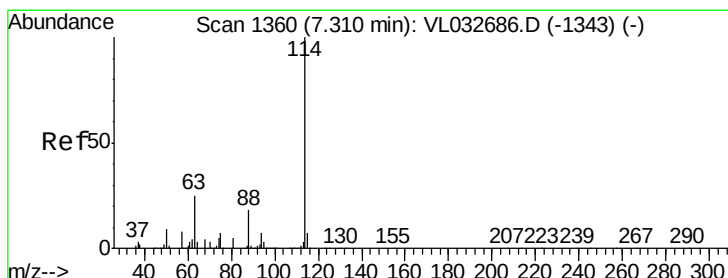
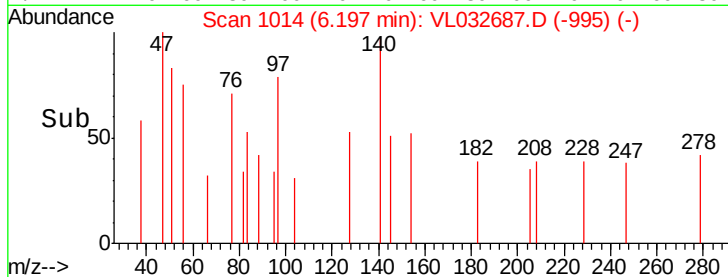
Tgt Ion: 97 Resp: 113
 Ion Ratio Lower Upper
 97 100
 99 60.2 52.0 78.0
 61 48.7 40.7 61.1



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

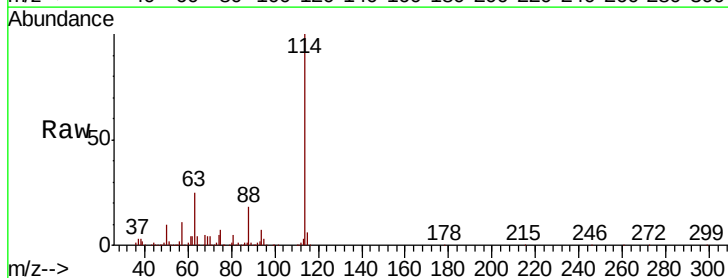


Time--> 6.19 6.20 6.20 6.21

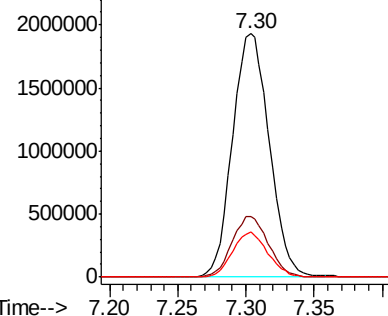


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

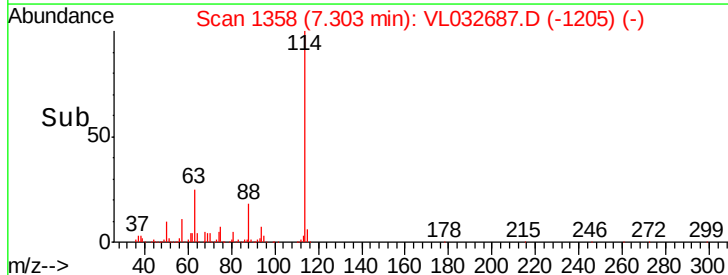
Tgt Ion: 114 Resp: 3617034
 Ion Ratio Lower Upper
 114 100
 63 24.8 21.7 32.5
 88 17.9 14.9 22.3

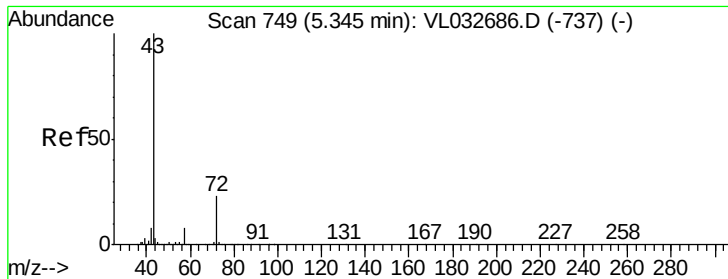


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



Time--> 7.20 7.25 7.30 7.35





#34

2-Butanone

Concen: 0.001 ppbv

RT: 5.34 min Scan# 746

Delta R.T. -0.00 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

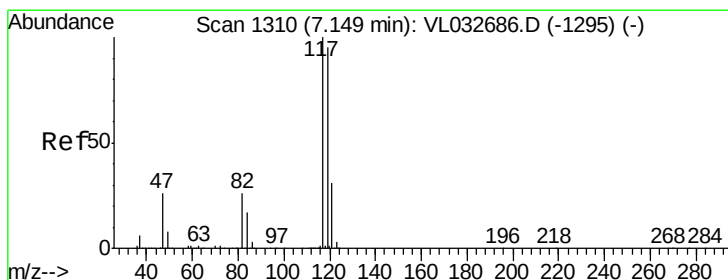
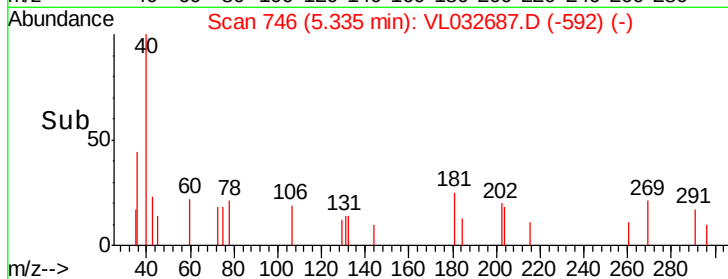
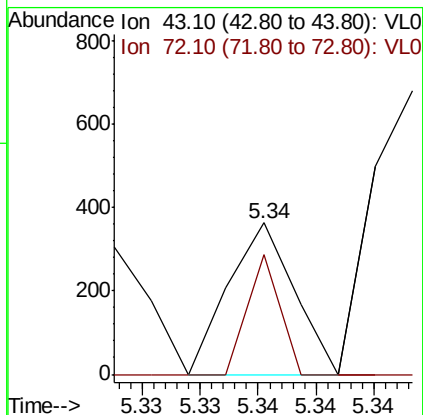
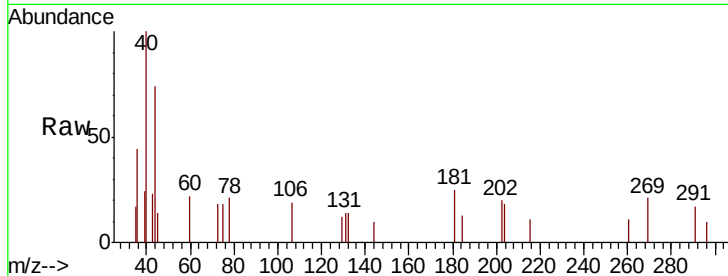
VL1024ABL01

Tgt Ion: 43 Resp: 142

Ion Ratio Lower Upper

43 100

72 38.7 18.6 27.8#



#35

Carbon Tetrachloride

Concen: 0.000 ppbv

RT: 7.08 min Scan# 1288

Delta R.T. -0.07 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

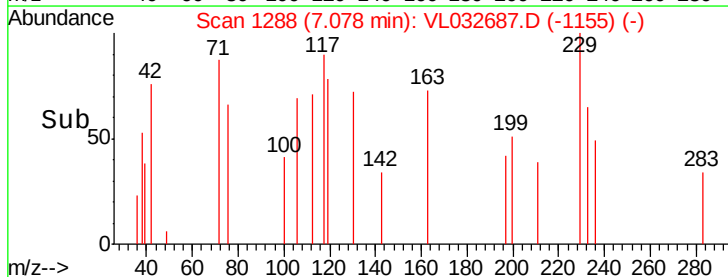
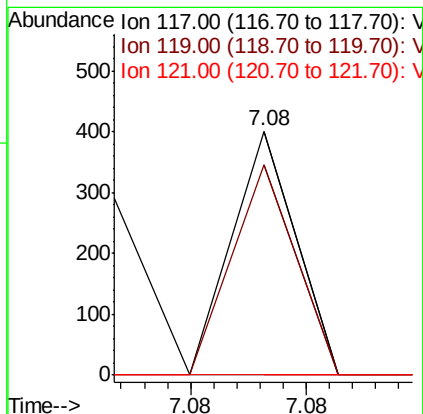
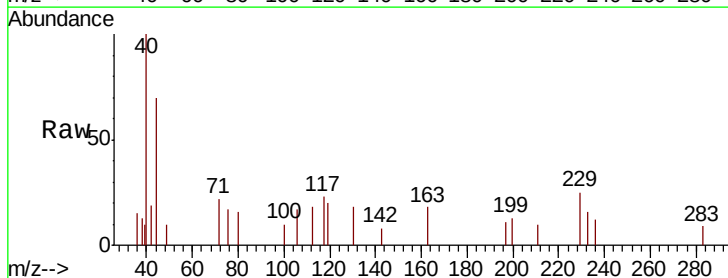
Tgt Ion: 117 Resp: 77

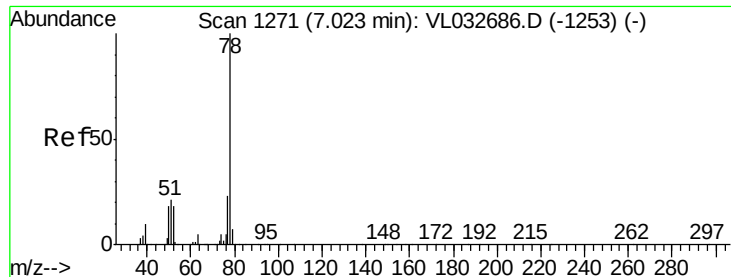
Ion Ratio Lower Upper

117 100

119 86.3 75.7 113.5

121 0.0 24.7 37.1#





#36

Benzene

Concen: 0.002 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

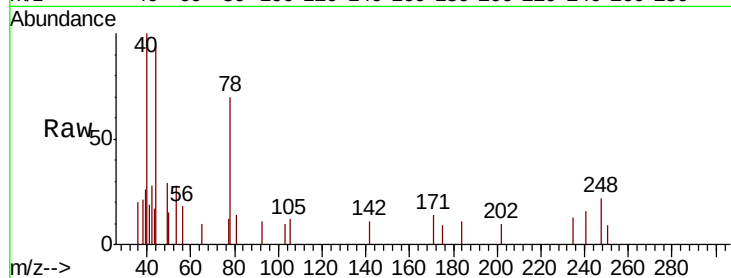
Tgt Ion: 78 Resp: 633

Ion Ratio Lower Upper

78 100

77 0.0 18.1 27.1#

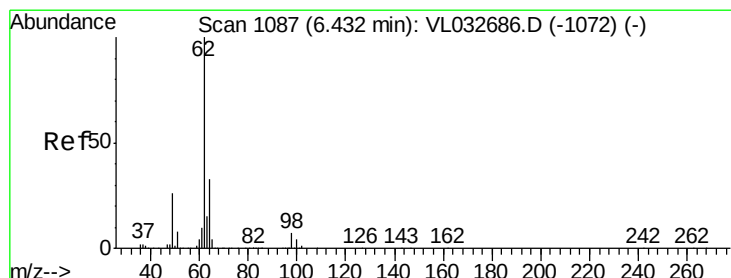
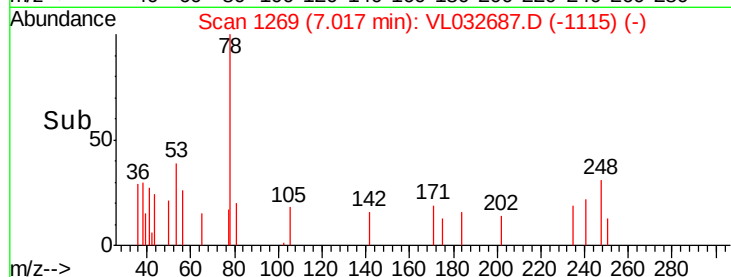
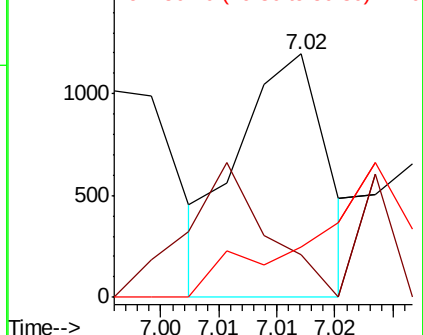
50 35.1 15.1 22.7#



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: 0.001 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VL032687.D

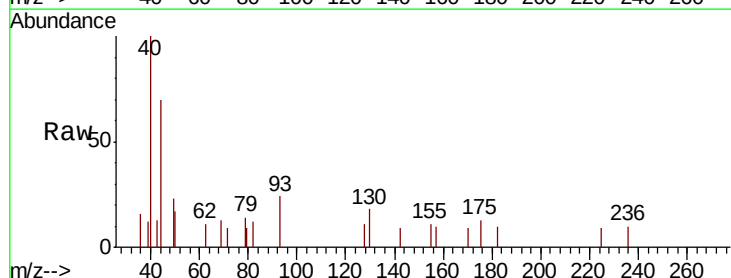
Acq: 24 Oct 2018 14:52

Tgt Ion: 62 Resp: 105

Ion Ratio Lower Upper

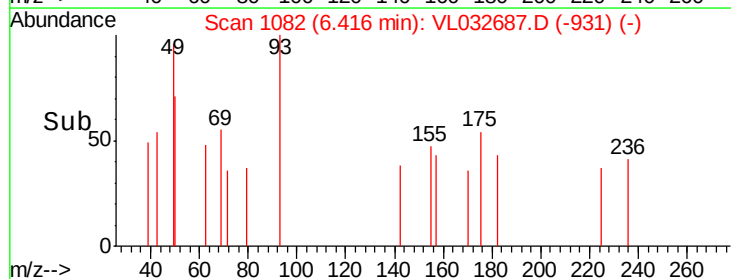
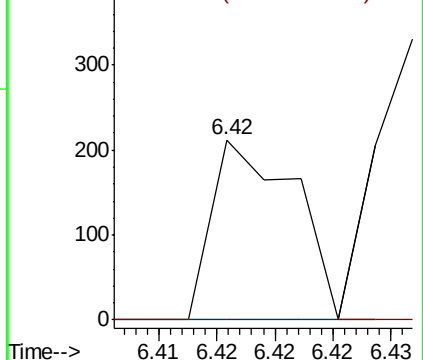
62 100

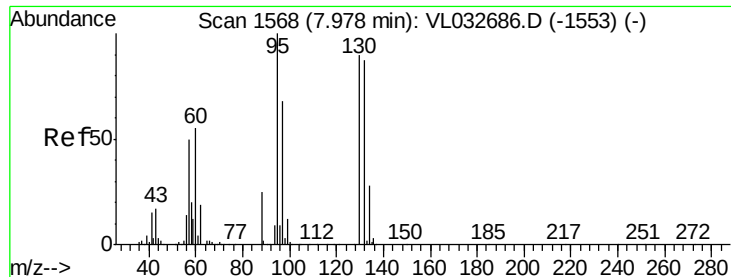
98 0.0 4.4 6.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

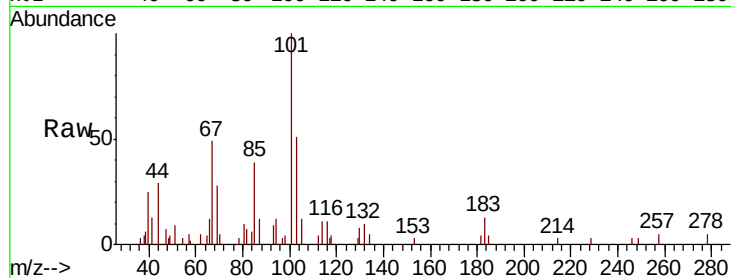




#38
 Trichloroethene
 Concen: 0.001 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	0.0	93.4	140.0#
132	121.6	76.5	114.7#
97	0.0	60.2	90.2#

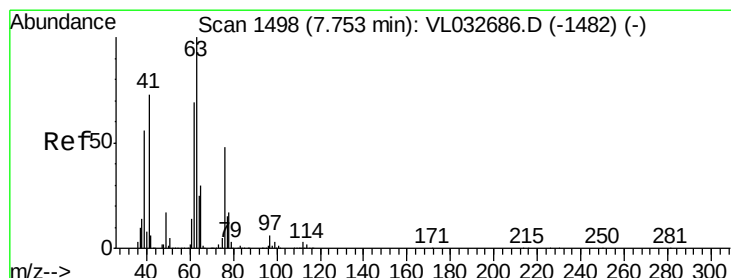
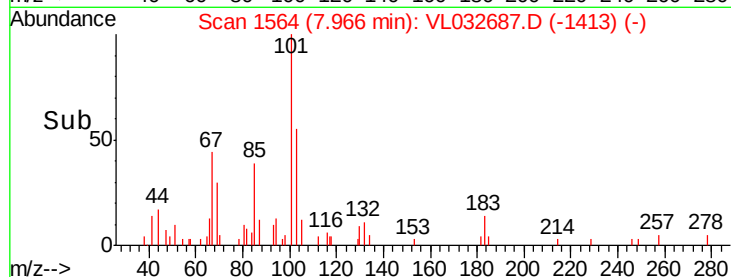
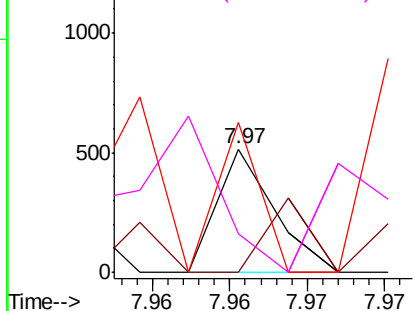


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

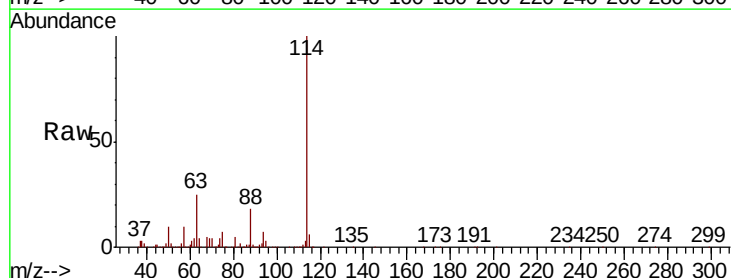
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39
 1,2-Dichloropropane
 Concen: 7.843 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.45 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

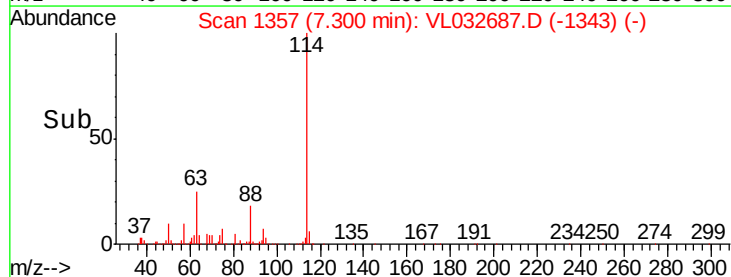
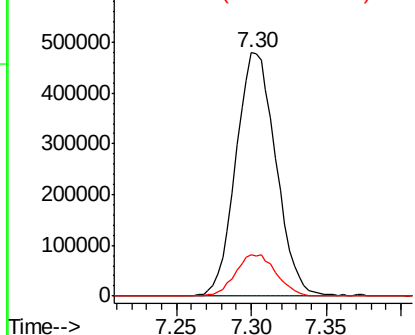
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.2	84.4#
62	16.9	54.4	81.6#

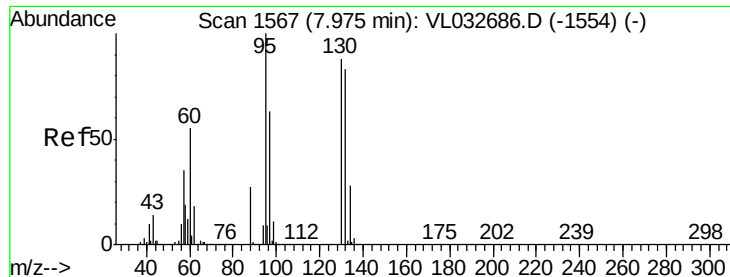


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

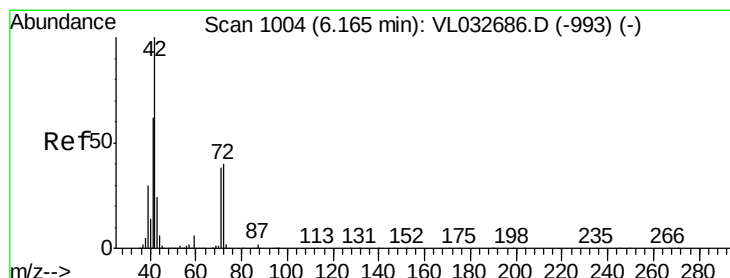
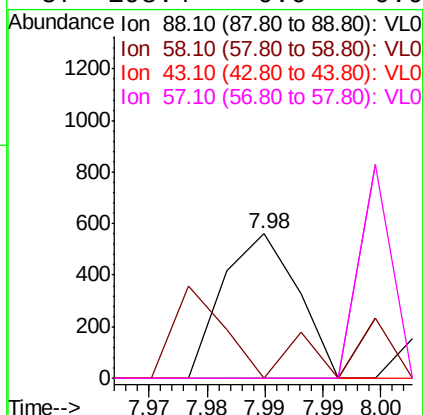
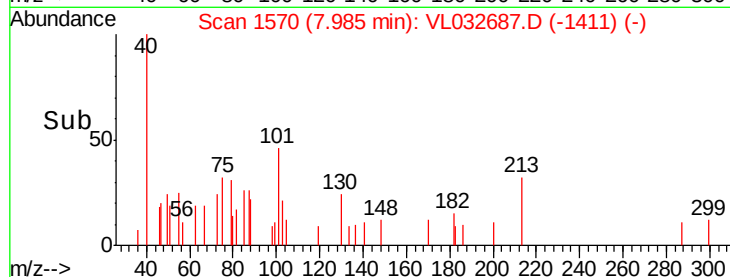
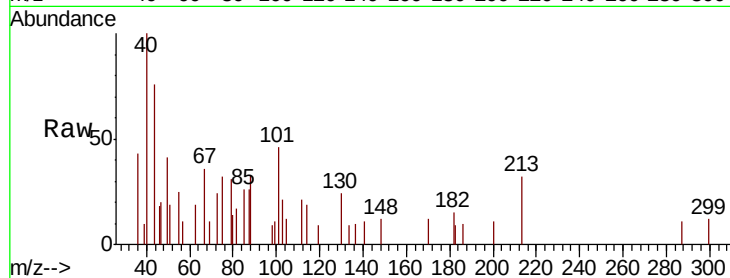




#40
1,4-Dioxane
Concen: 0.007 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

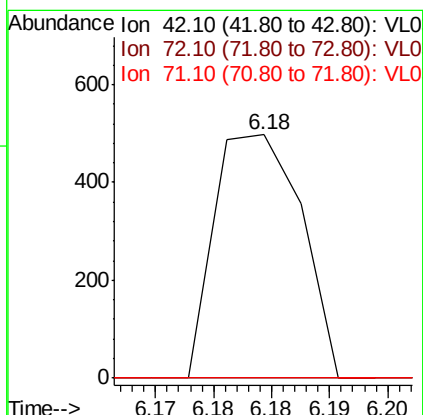
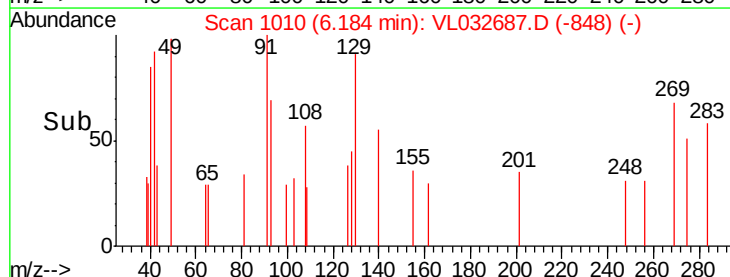
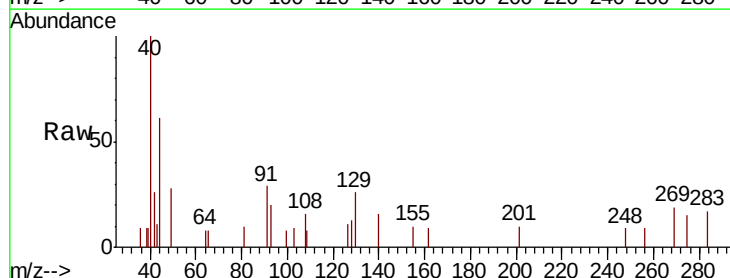
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

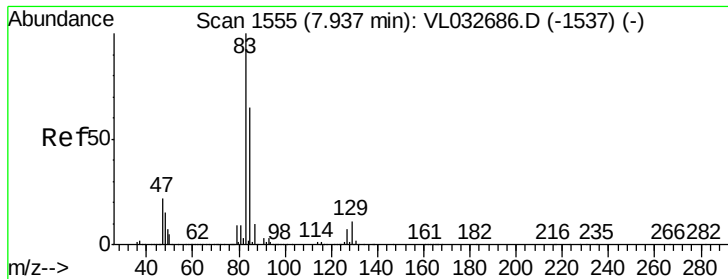
Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
58 31.2 104.0 156.0#
43 183.8 0.0 0.0#
57 198.4 0.0 0.0#



#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.02 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 42 Resp: 259
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.3 46.9#





#42

Bromodichloromethane

Concen: 0.001 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

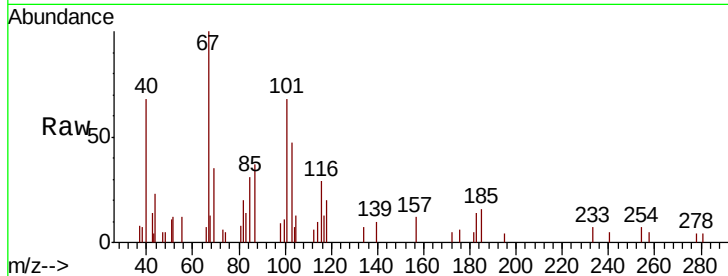
Tgt Ion: 83 Resp: 201

Ion Ratio Lower Upper

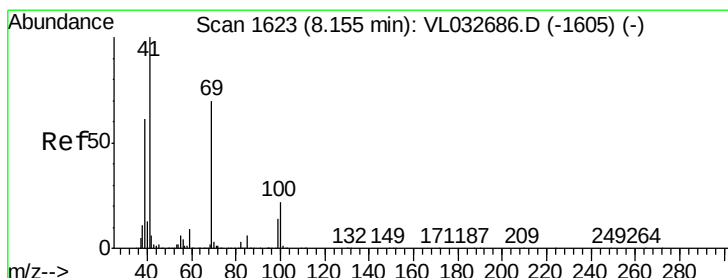
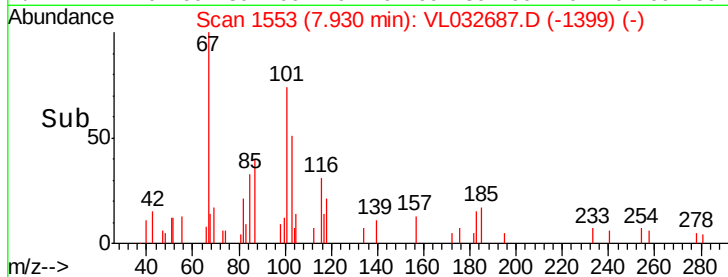
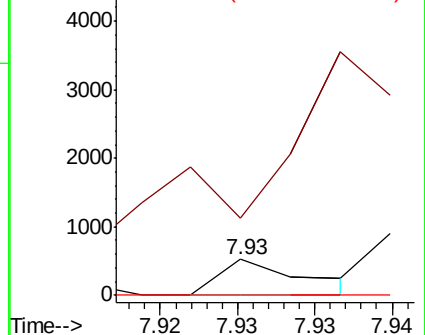
83 100

85 0.0 52.4 78.6#

127 0.0 6.1 9.1#



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



#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 7.76 min Scan# 1501

Delta R.T. -0.39 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

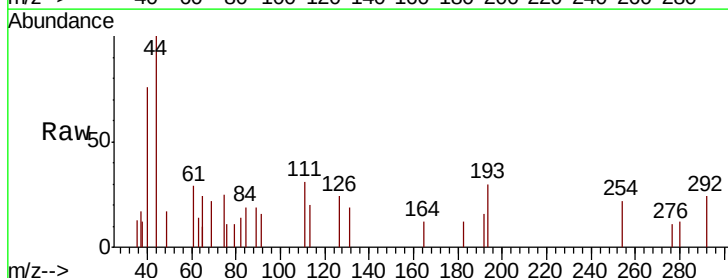
Tgt Ion: 69 Resp: 110

Ion Ratio Lower Upper

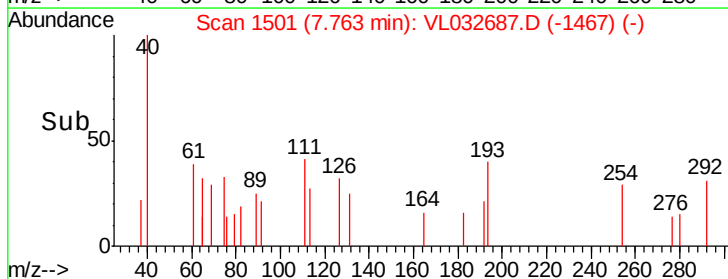
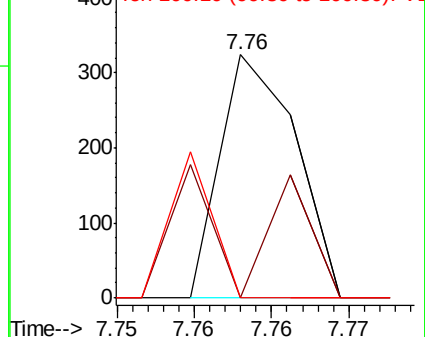
69 100

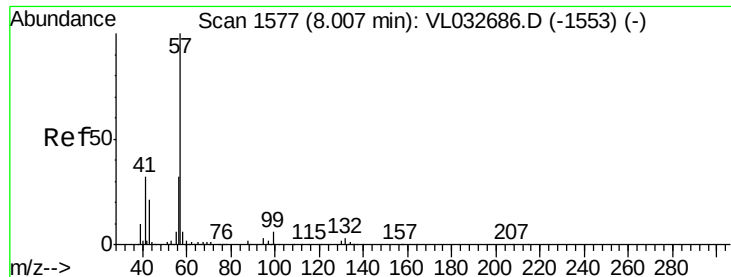
41 149.1 113.2 169.8

100 34.5 24.4 36.6



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

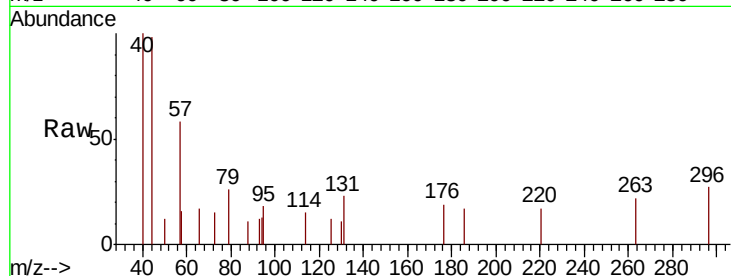




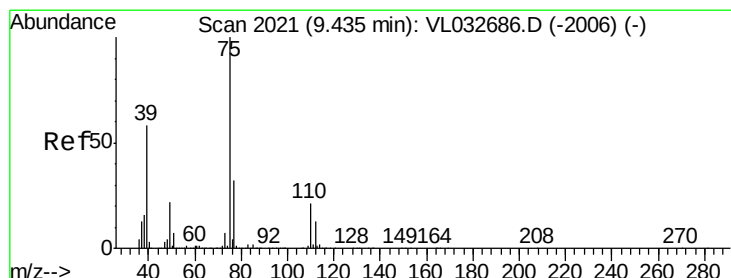
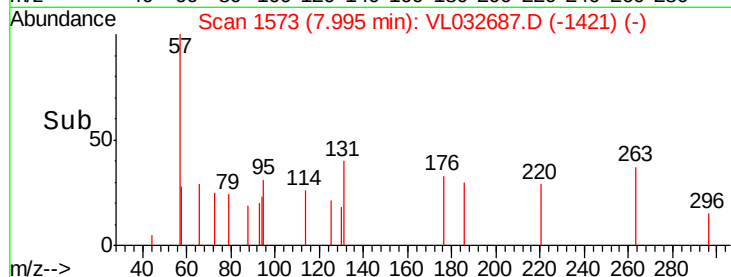
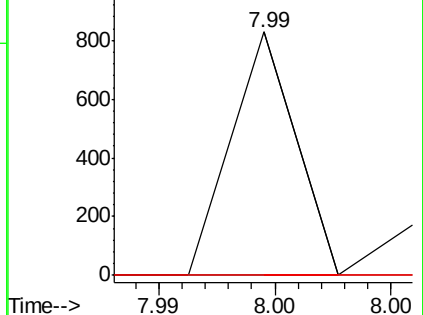
#44
 2,2,4-Trimethylpentane
 Concen: 0.000 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Instrument :
 MSVOA_L
 ClientSampled :
 VL1024ABL01

Tgt Ion: 57 Resp: 160
 Ion Ratio Lower Upper
 57 100
 41 0.0 24.7 37.1#
 56 0.0 25.0 37.4#

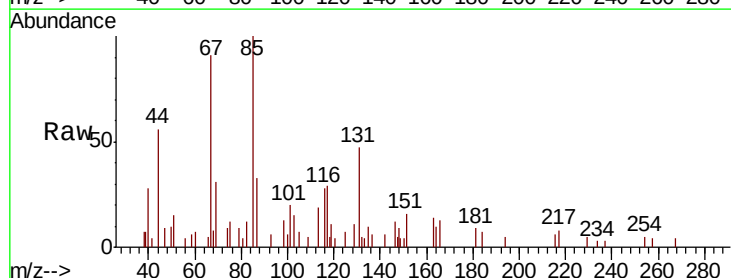


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

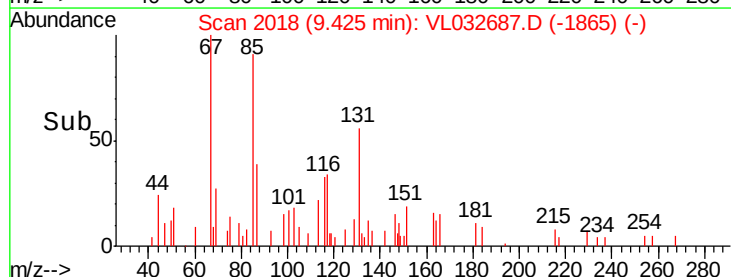
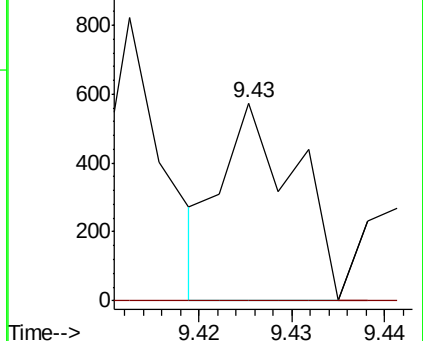


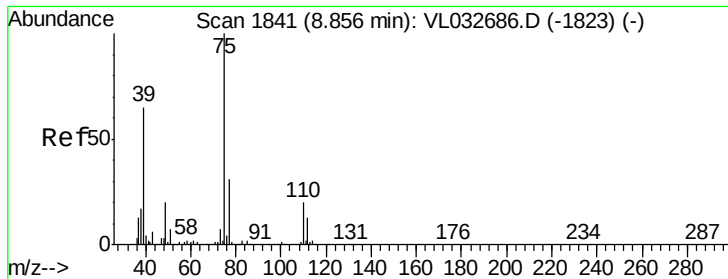
#45
 t-1,3-Dichloropropene
 Concen: 0.002 ppbv
 RT: 9.43 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Tgt Ion: 75 Resp: 317
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#



Abundance Ion 75.10 (74.80 to 75.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

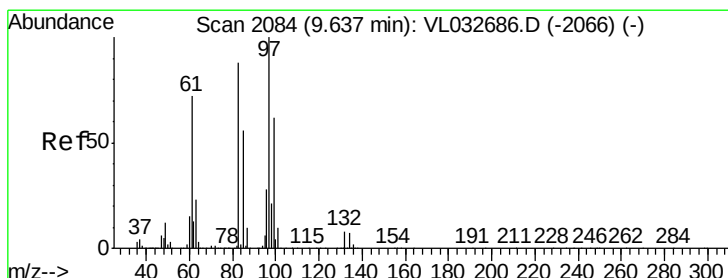
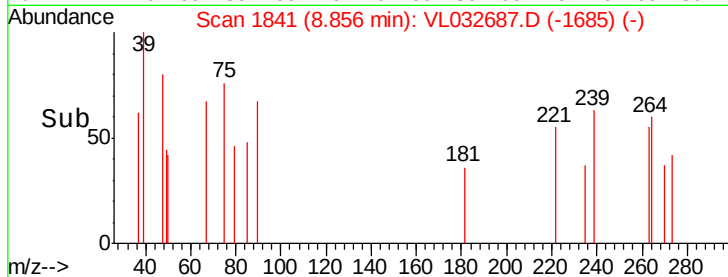
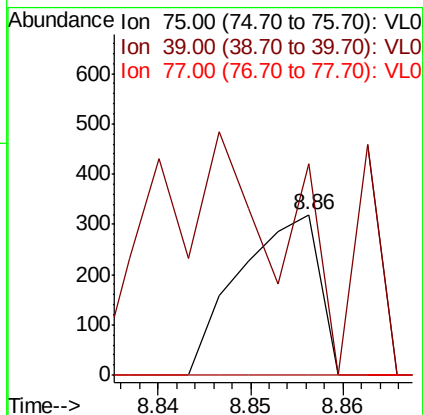
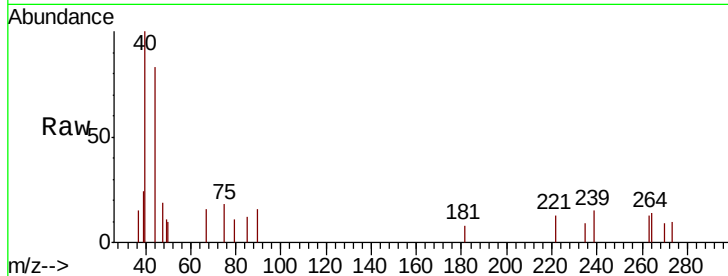




#46
 cis-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 8.86 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

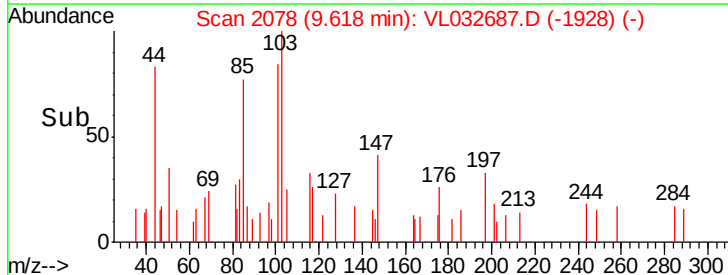
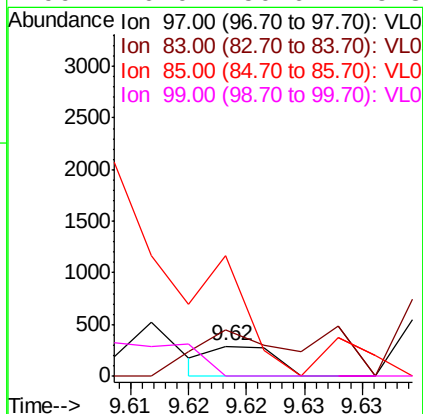
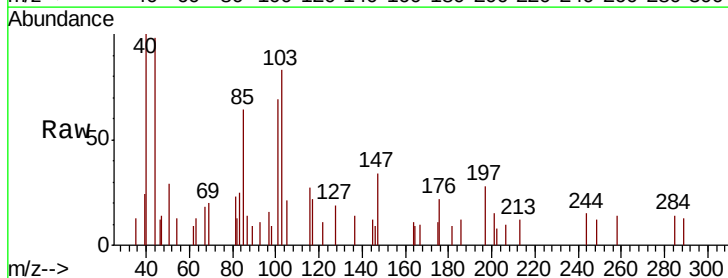
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

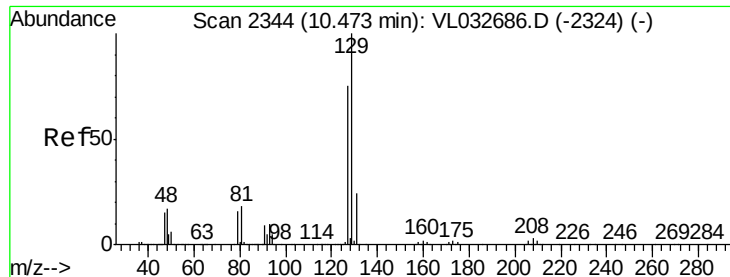
Tgt Ion: 75 Resp: 191
 Ion Ratio Lower Upper
 75 100
 39 131.9 50.9 76.3#
 77 0.0 25.8 38.6#



#47
 1,1,2-Trichloroethane
 Concen: 0.001 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.02 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Tgt Ion: 97 Resp: 109
 Ion Ratio Lower Upper
 97 100
 83 76.3 73.5 110.3
 85 277.7 45.8 68.6#
 99 0.0 50.6 75.8#





#48

Dibromochloromethane

Concen: 0.000 ppbv

RT: 10.41 min Scan# 2325

Delta R.T. -0.06 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

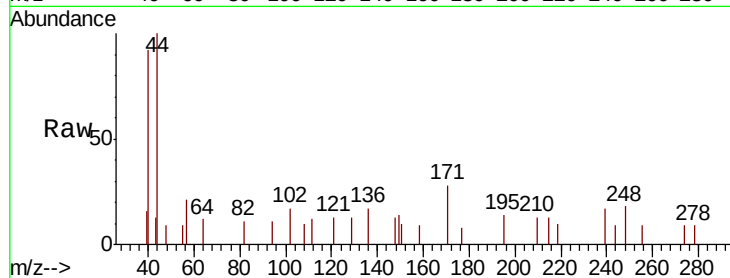
VL1024ABL01

Tgt Ion:129 Resp: 80

Ion Ratio Lower Upper

129 100

127 50.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.41

250

200

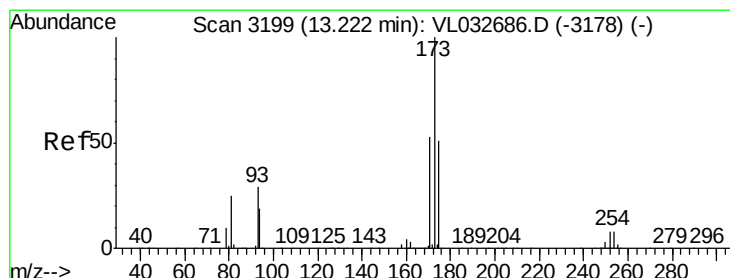
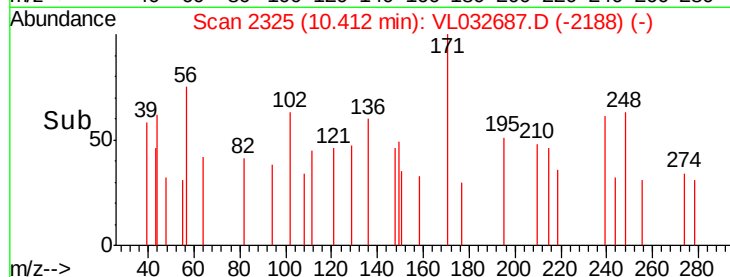
150

100

50

0

Time-->



#49

Bromoform

Concen: 0.002 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.02 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

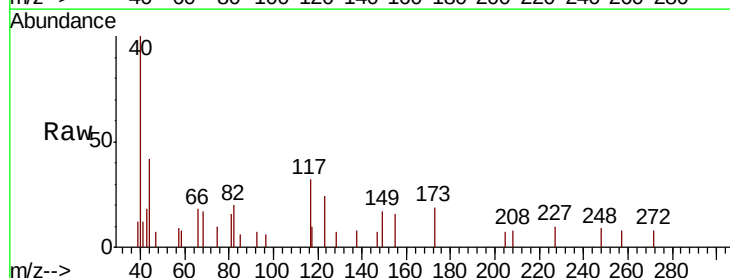
Tgt Ion:173 Resp: 277

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.4#

171 0.0 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

1000

800

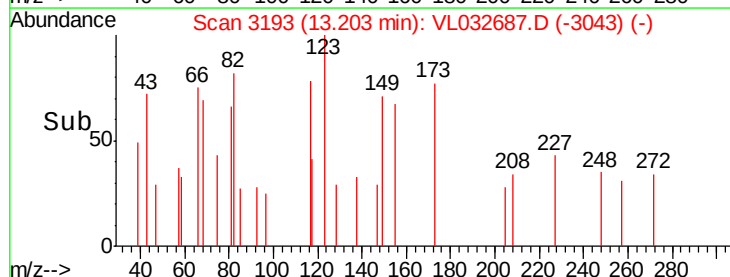
600

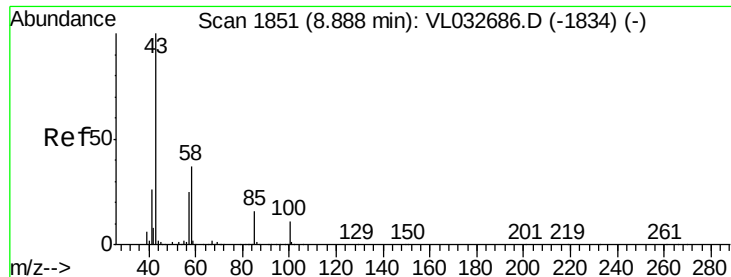
400

200

0

Time-->

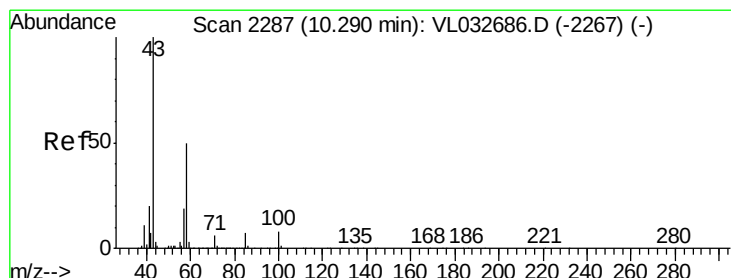
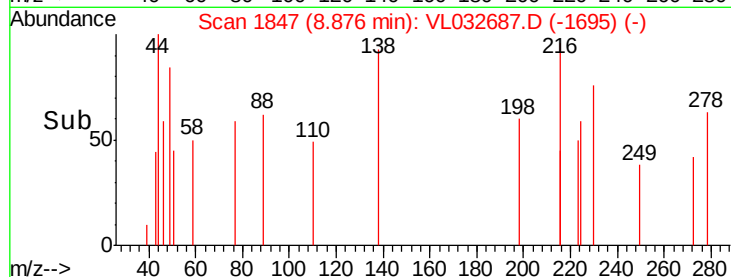
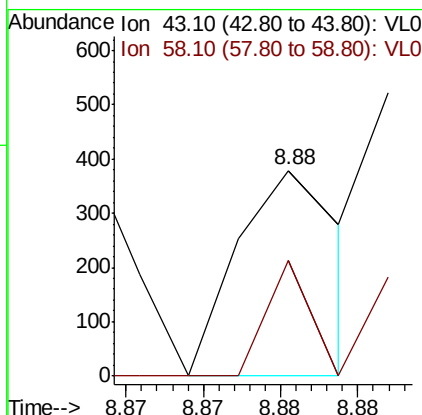
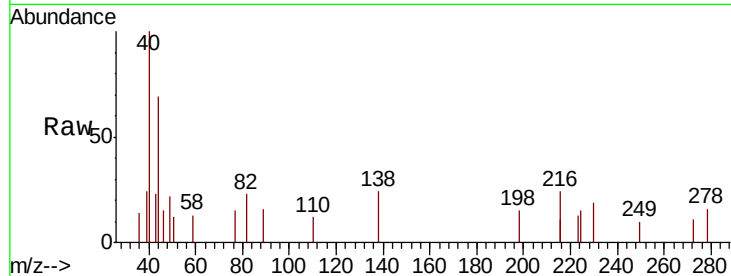




#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

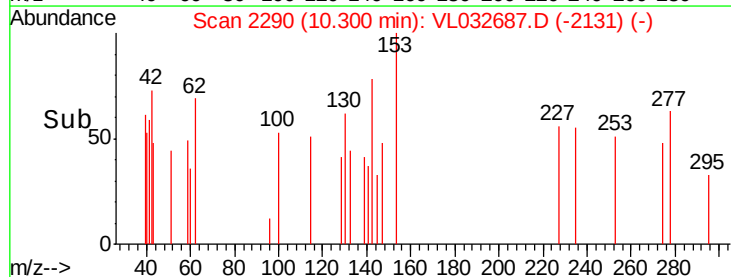
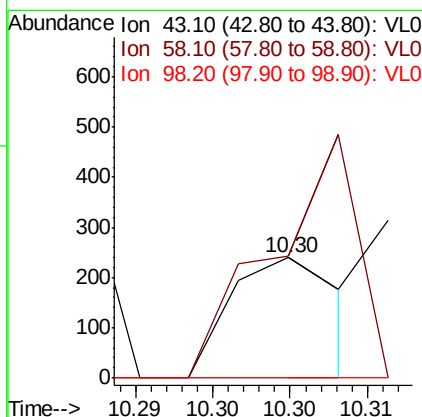
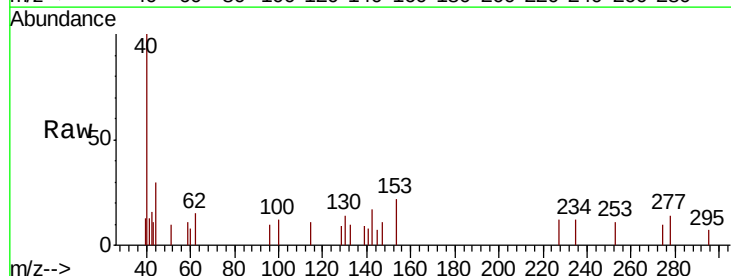
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

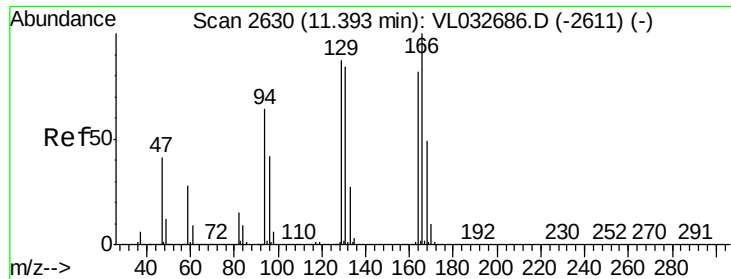
Tgt Ion: 43 Resp: 176
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#



#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.0 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.001 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

Tgt Ion:164 Resp: 101

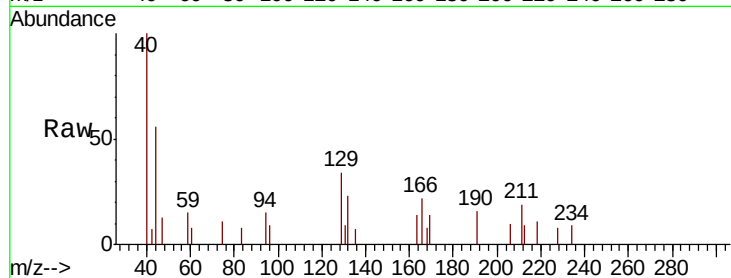
Ion Ratio Lower Upper

164 100

166 152.4 100.5 150.7#

129 185.1 90.0 135.0#

131 170.9 86.6 129.8#

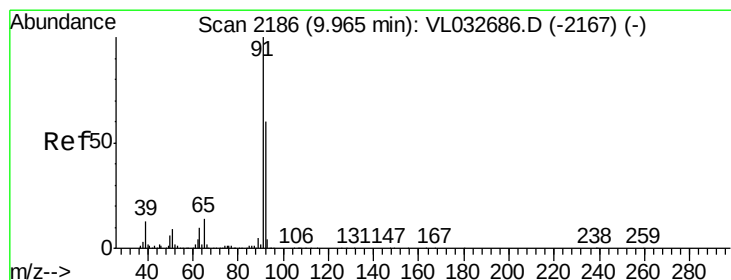
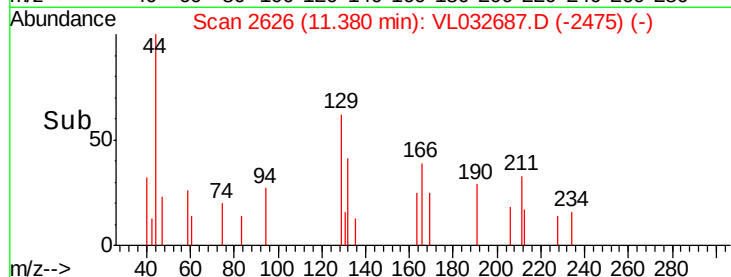
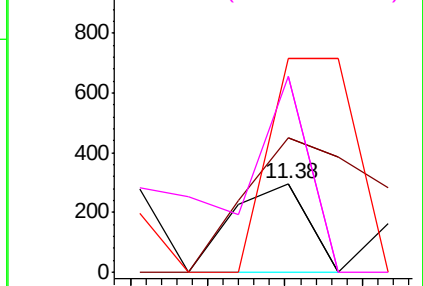


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.000 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032687.D

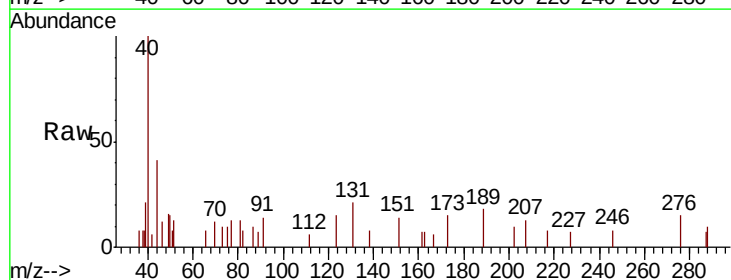
Acq: 24 Oct 2018 14:52

Tgt Ion: 91 Resp: 147

Ion Ratio Lower Upper

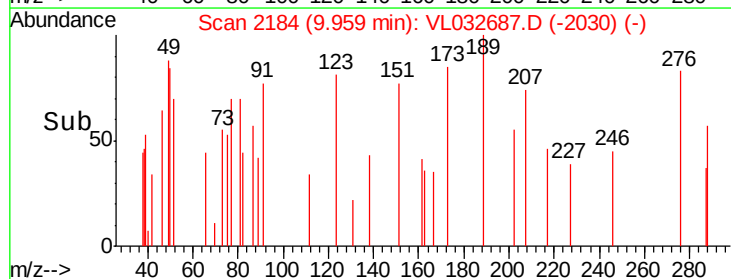
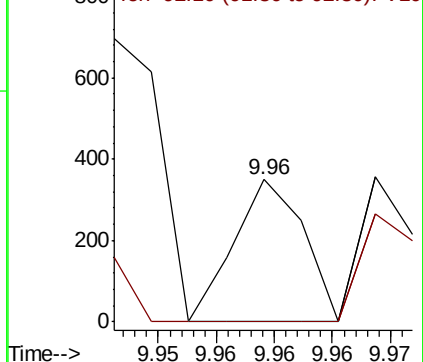
91 100

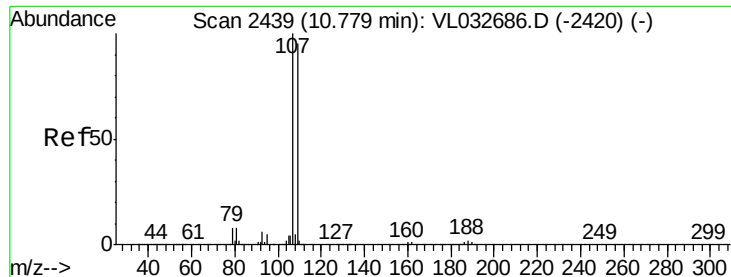
92 0.0 48.4 72.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 10.75 min Scan# 2430

Delta R.T. -0.03 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

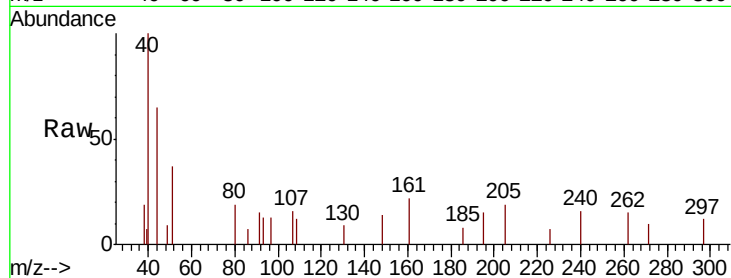
VL1024ABL01

Tgt Ion:107 Resp: 109

Ion Ratio Lower Upper

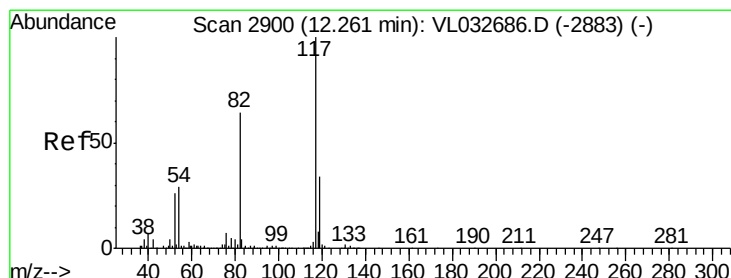
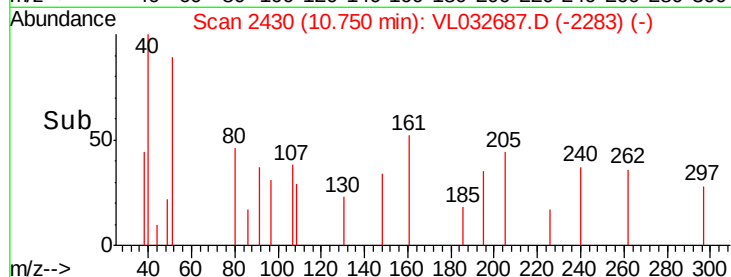
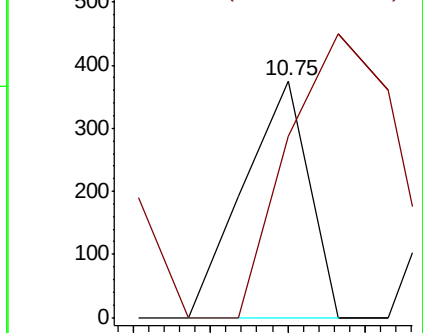
107 100

109 76.5 75.3 112.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

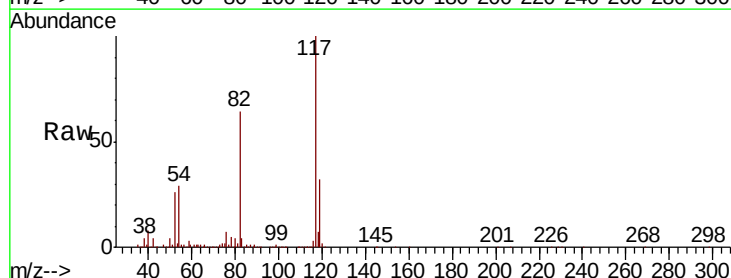
Tgt Ion:117 Resp: 3533851

Ion Ratio Lower Upper

117 100

82 63.8 52.7 79.1

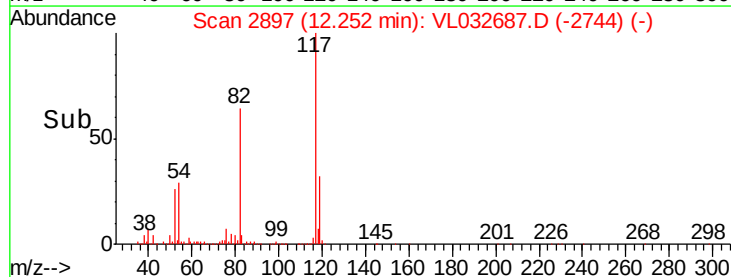
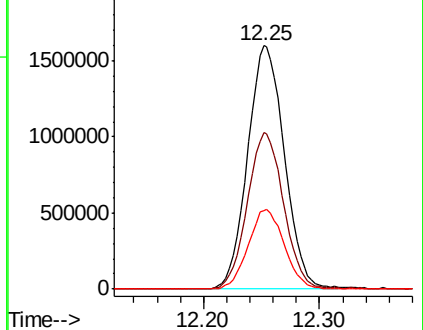
119 32.5 26.7 40.1

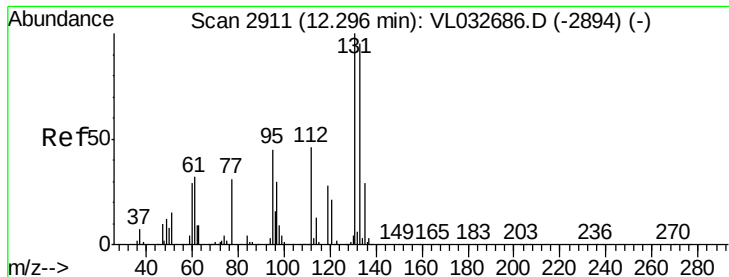


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#56

1,1,1,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 12.64 min Scan# 3019

Delta R.T. 0.35 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

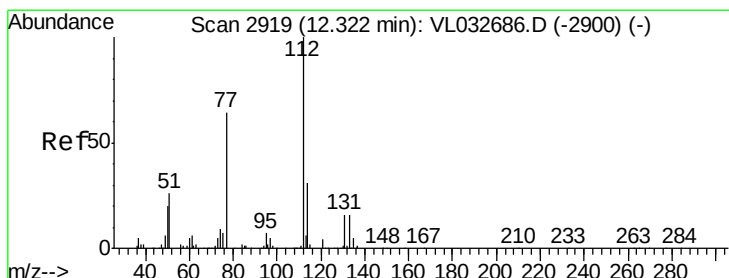
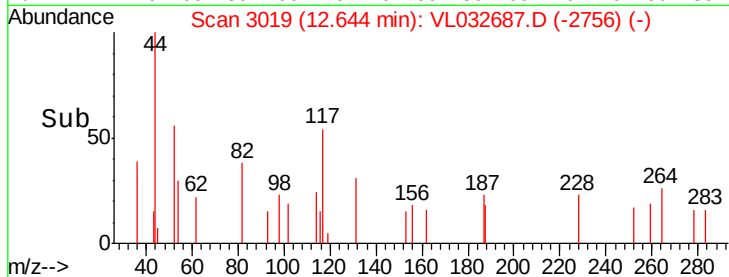
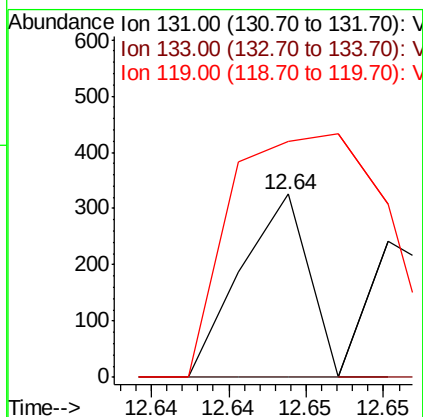
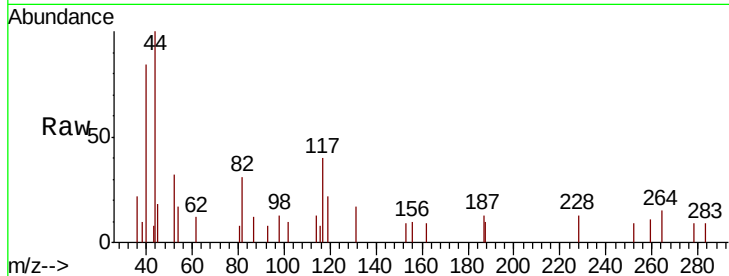
Tgt Ion:131 Resp: 99

Ion Ratio Lower Upper

131 100

133 0.0 75.4 113.2#

119 0.0 49.1 73.7#



#57

Chlorobenzene

Concen: 0.002 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

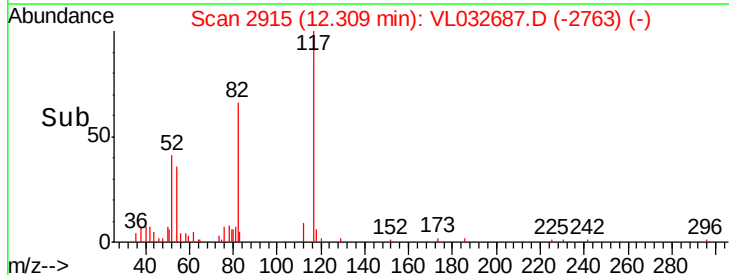
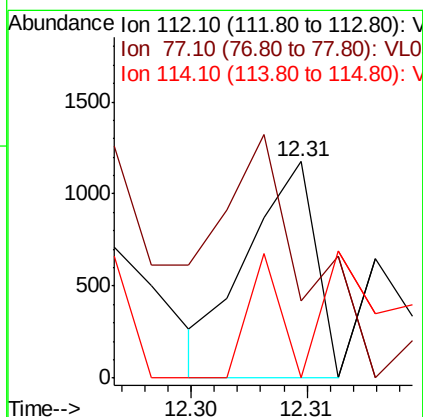
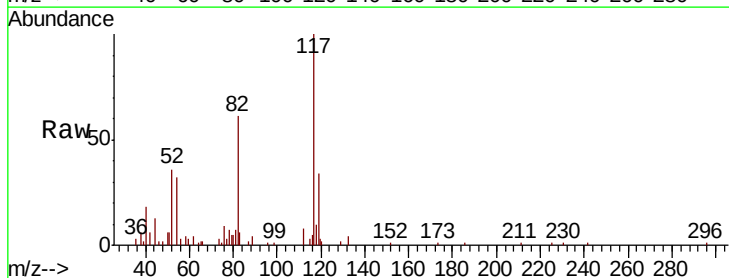
Tgt Ion:112 Resp: 479

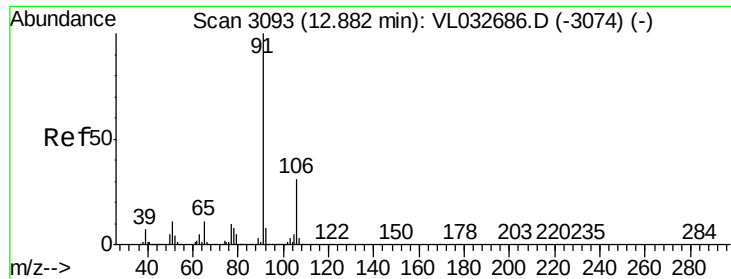
Ion Ratio Lower Upper

112 100

77 0.0 56.8 85.2#

114 39.5 30.3 37.1#





#58

Ethyl Benzene

Concen: 0.000 ppbv

RT: 12.99 min Scan# 3128

Delta R.T. 0.11 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

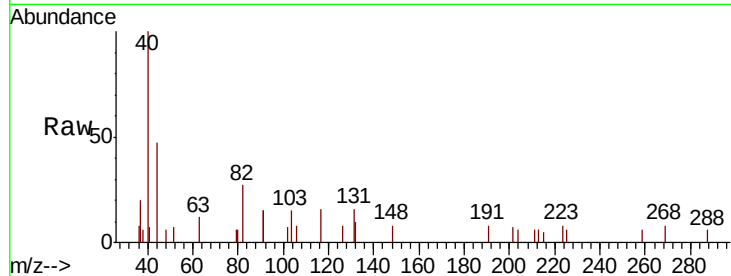
VL1024ABL01

Tgt Ion: 91 Resp: 192

Ion Ratio Lower Upper

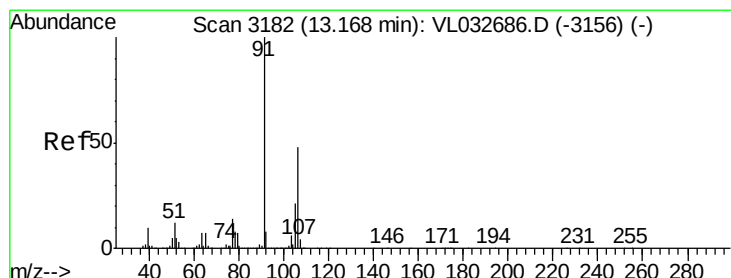
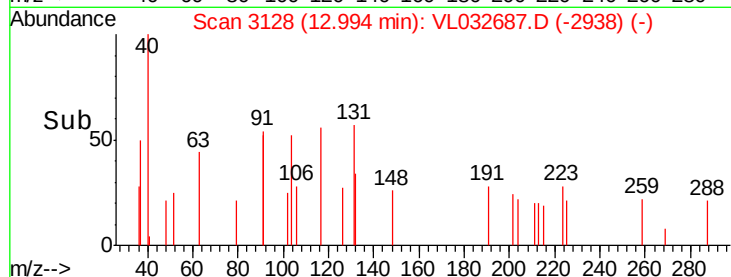
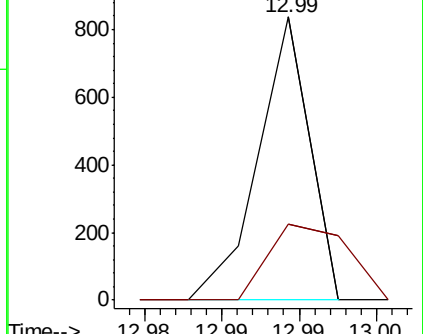
91 100

106 26.9 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: 0.001 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL032687.D

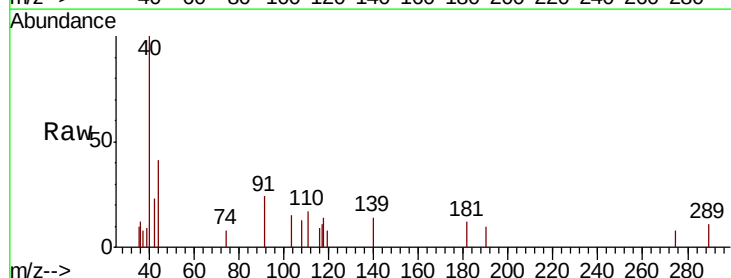
Acq: 24 Oct 2018 14:52

Tgt Ion: 91 Resp: 328

Ion Ratio Lower Upper

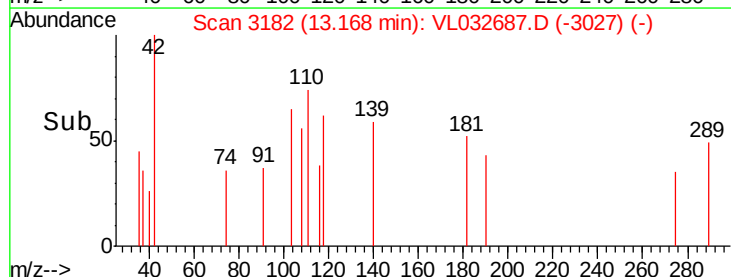
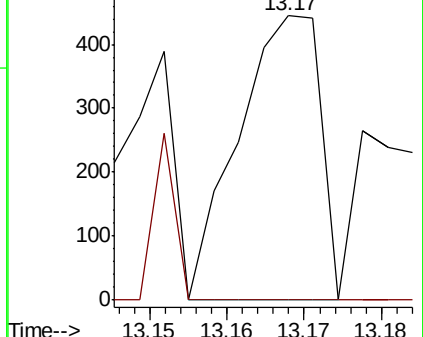
91 100

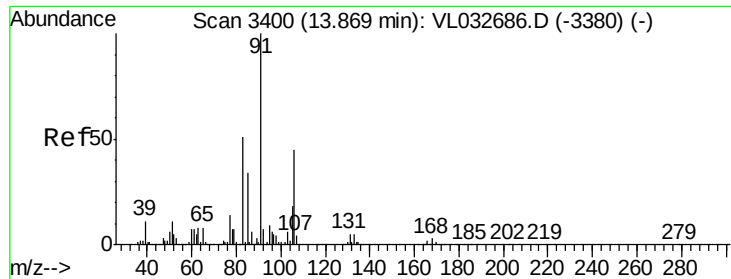
106 0.0 35.9 53.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

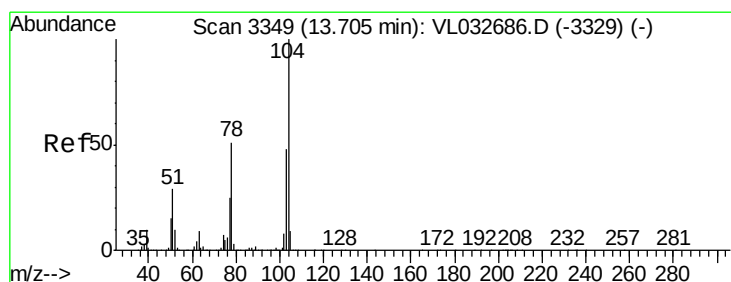
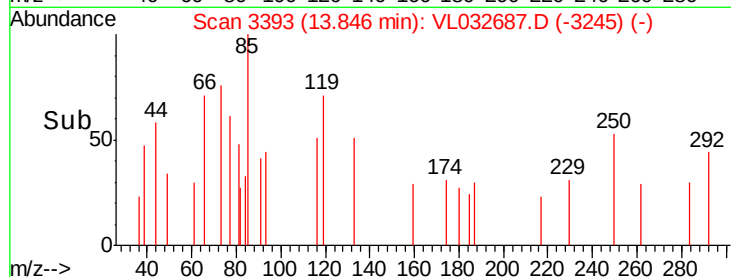
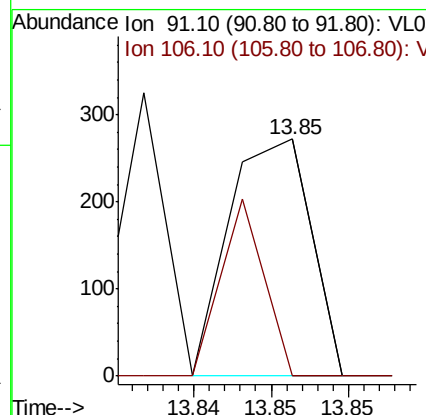
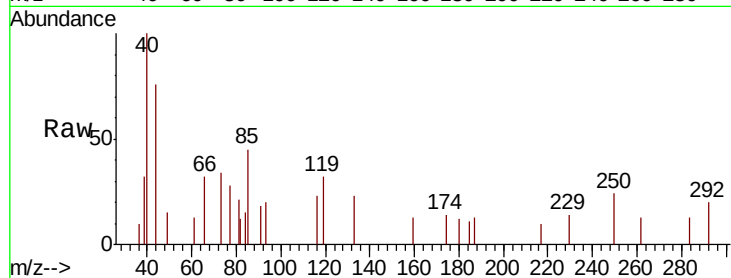




#60
o-Xylene
Concen: 0.000 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.02 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

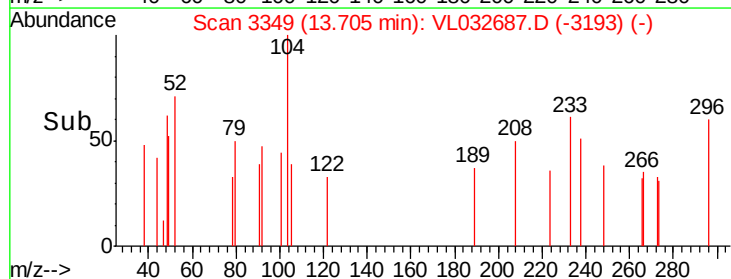
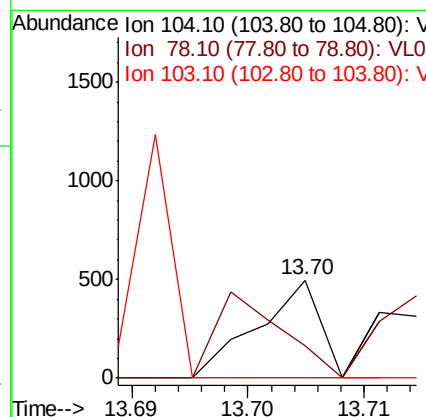
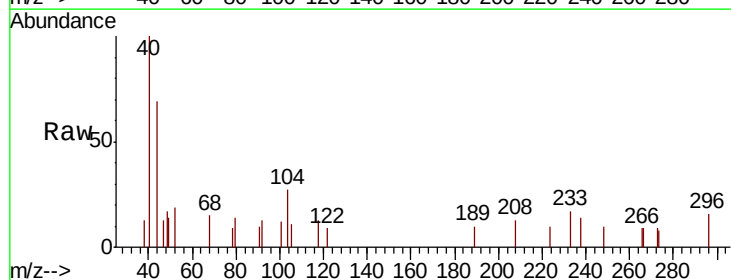
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

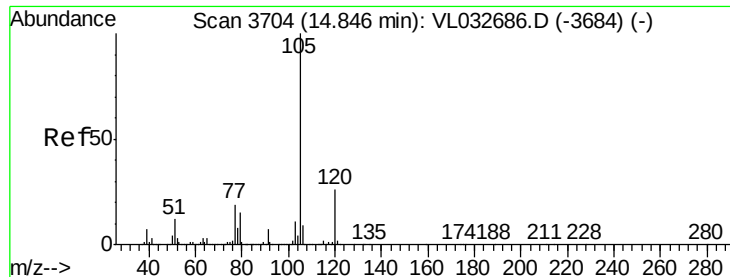
Tgt Ion: 91 Resp: 100
Ion Ratio Lower Upper
91 100
106 39.0 22.1 66.1



#61
Styrene
Concen: 0.001 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 104 Resp: 186
Ion Ratio Lower Upper
104 100
78 0.0 42.8 64.2#
103 188.7 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.001 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

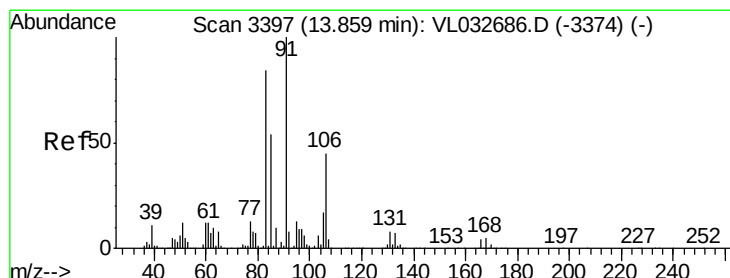
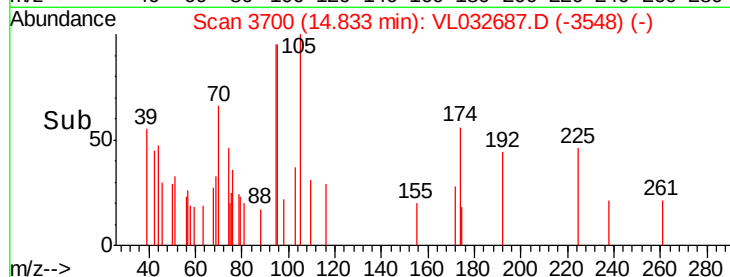
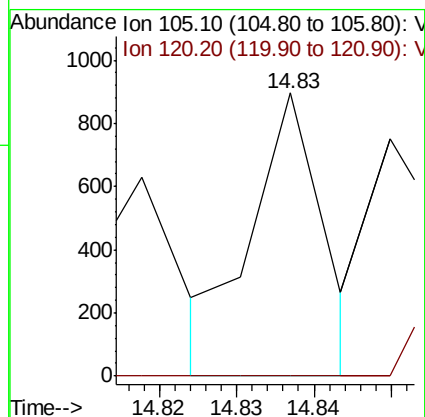
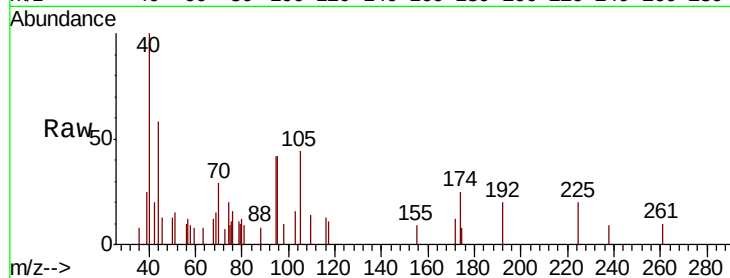
VL1024ABL01

Tgt Ion: 105 Resp: 284

Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

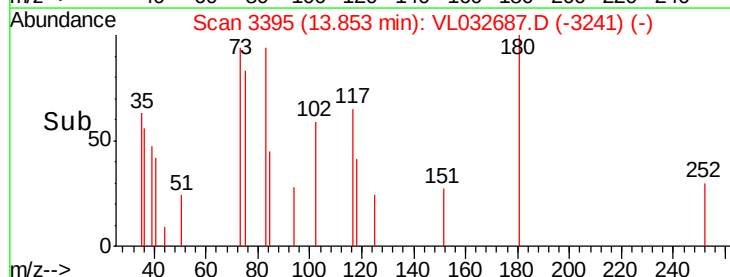
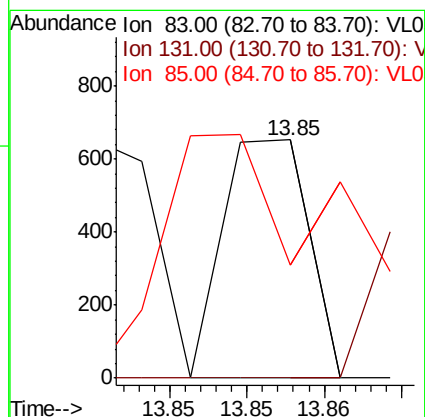
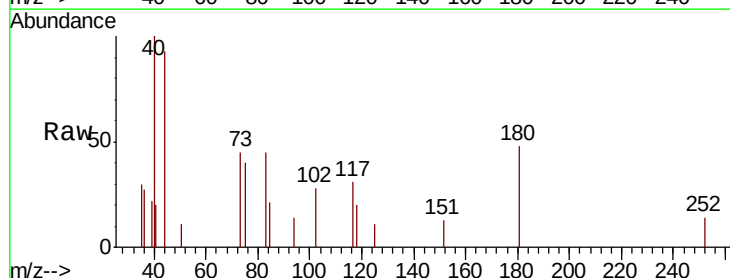
Tgt Ion: 83 Resp: 251

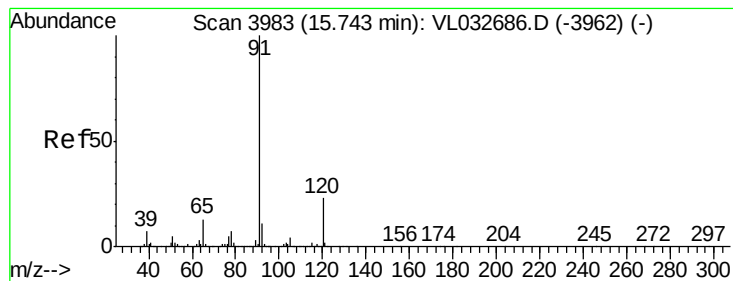
Ion Ratio Lower Upper

83 100

131 0.0 4.3 12.9#

85 298.8 32.3 96.9#





#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 15.84 min Scan# 4014

Delta R.T. 0.10 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

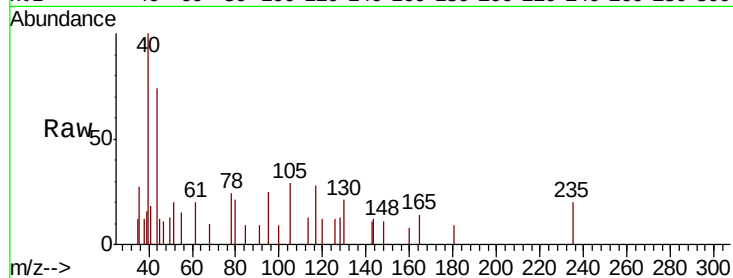
VL1024ABL01

Tgt Ion:120 Resp: 117

Ion Ratio Lower Upper

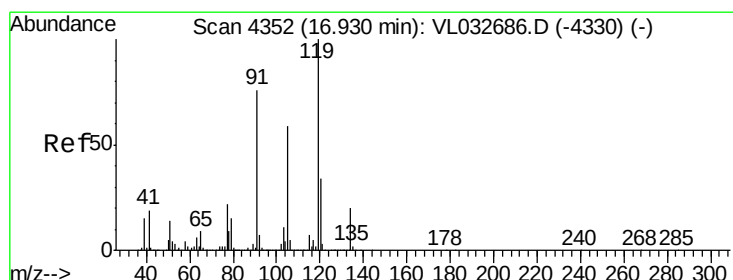
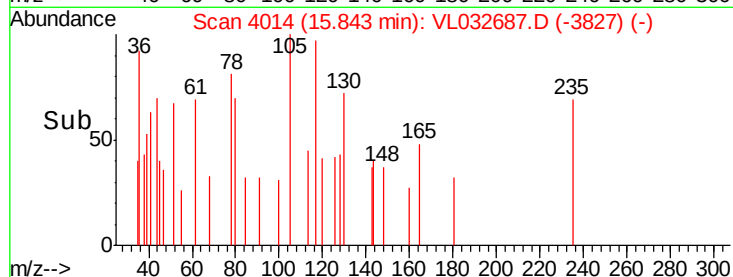
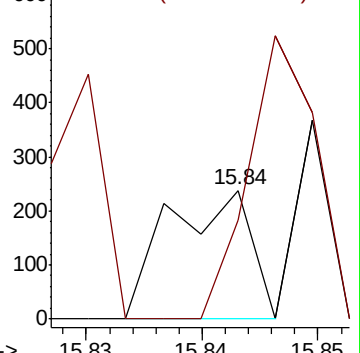
120 100

91 624.8 390.2 585.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.001 ppbv

RT: 16.98 min Scan# 4369

Delta R.T. 0.06 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

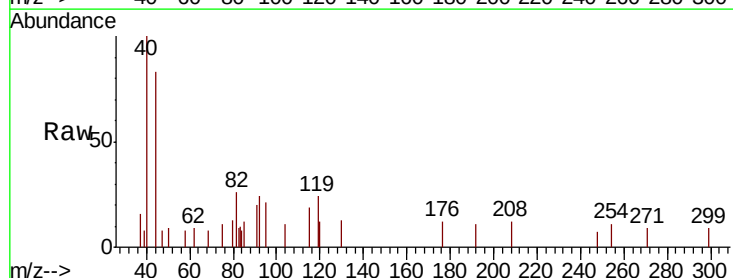
Tgt Ion:119 Resp: 419

Ion Ratio Lower Upper

119 100

91 47.7 67.8 101.8#

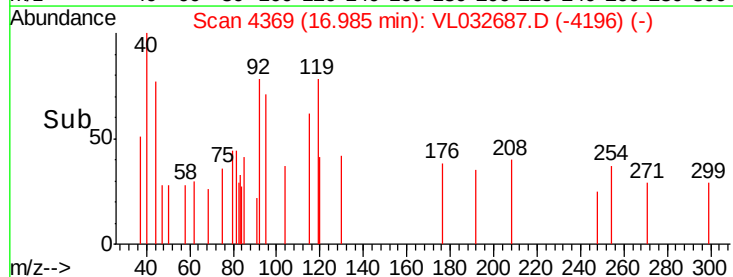
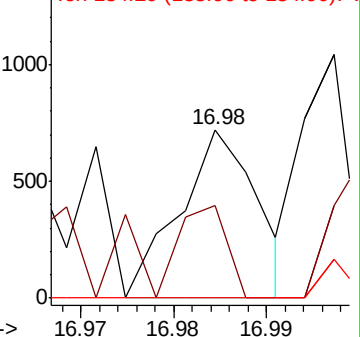
134 0.0 15.8 23.8#

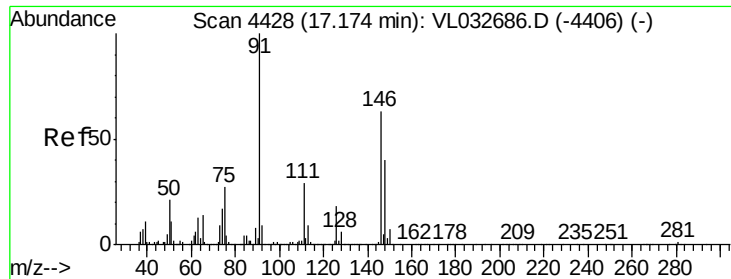


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

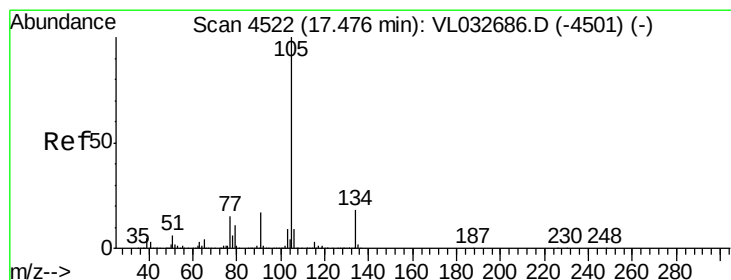
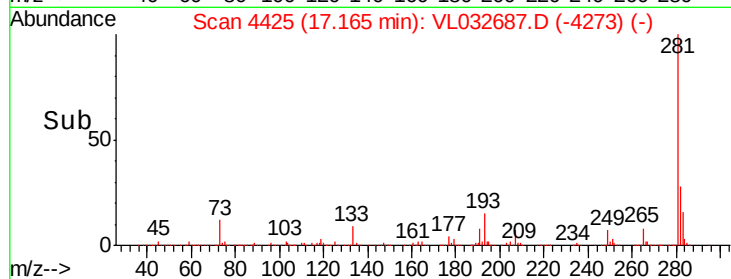
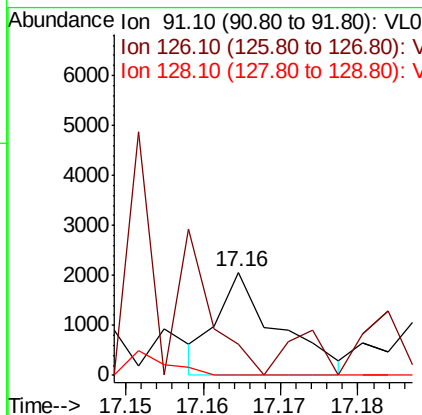
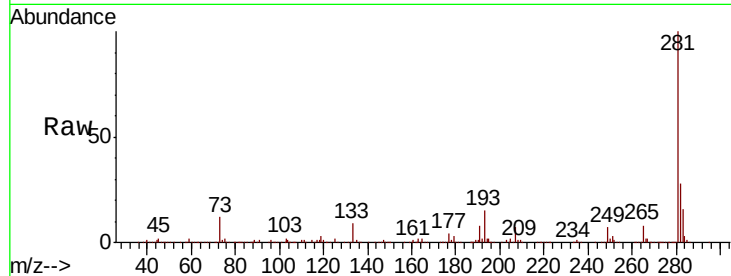




#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

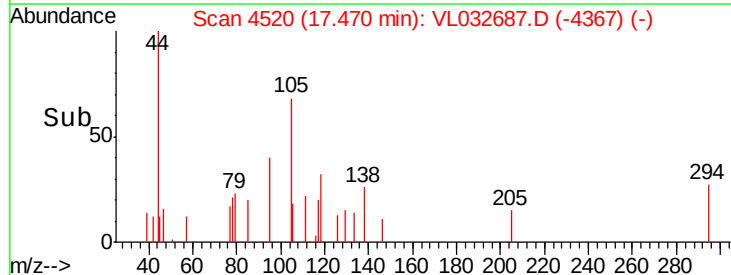
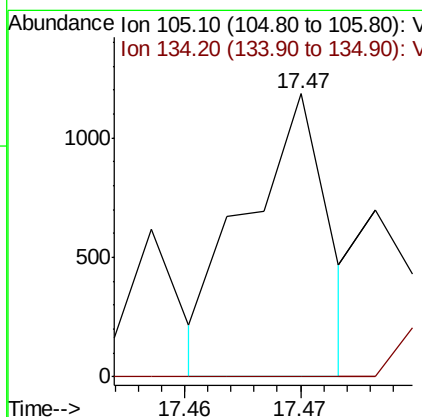
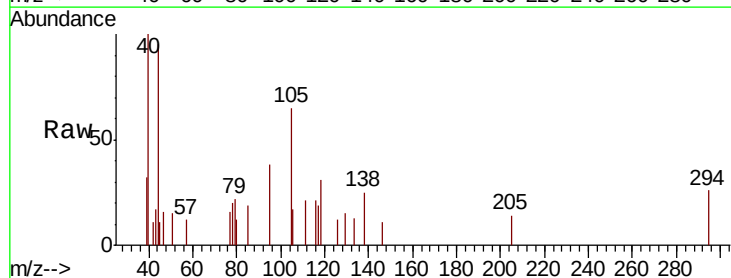
Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

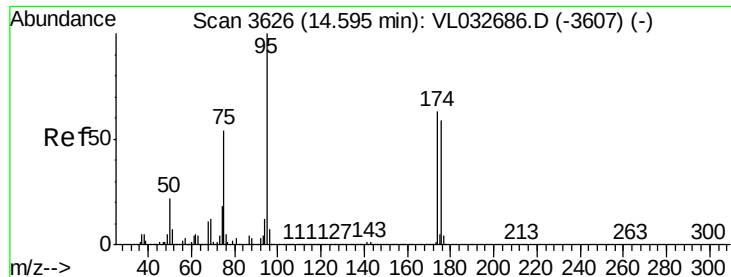
Tgt Ion: 91 Resp: 1126
Ion Ratio Lower Upper
91 100
126 0.0 13.9 20.9#
128 0.0 4.3 6.5#



#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. -0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion: 105 Resp: 582
Ion Ratio Lower Upper
105 100
134 0.0 14.2 21.2#

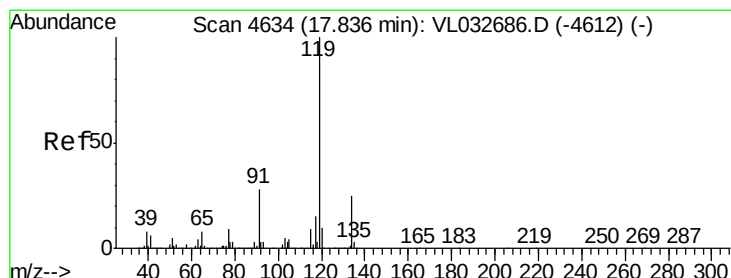
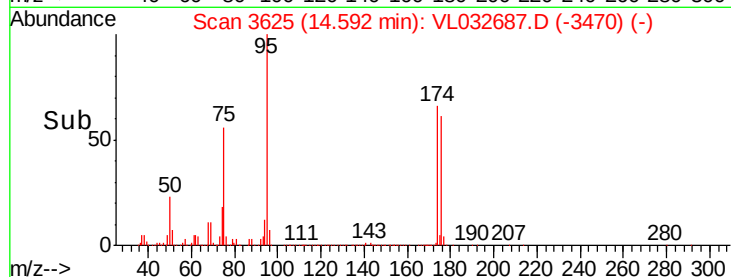
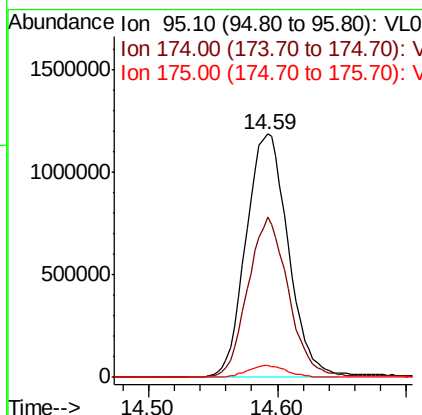
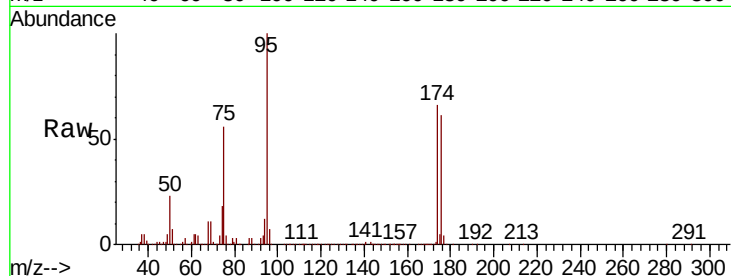




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.263 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

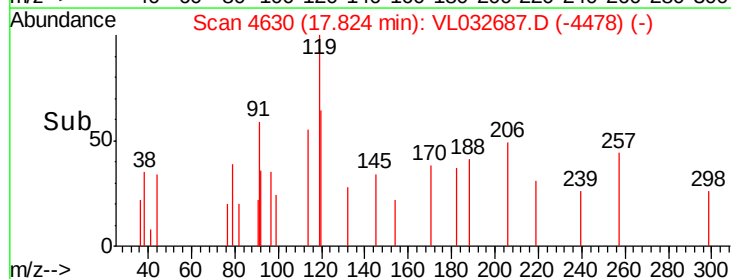
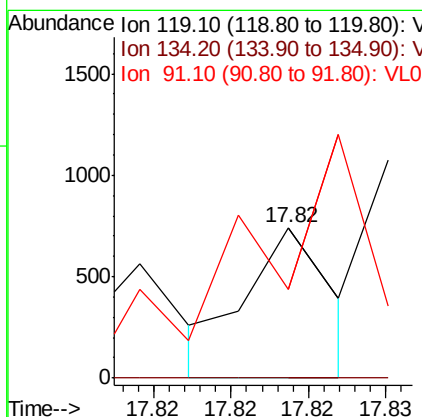
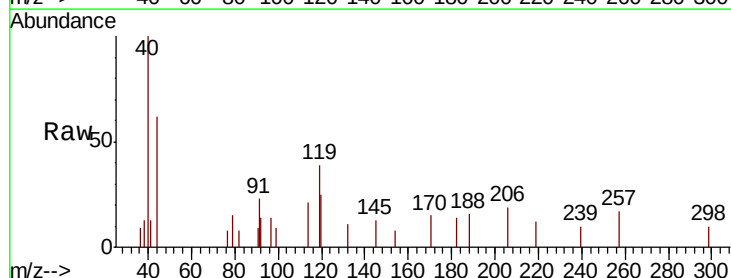
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

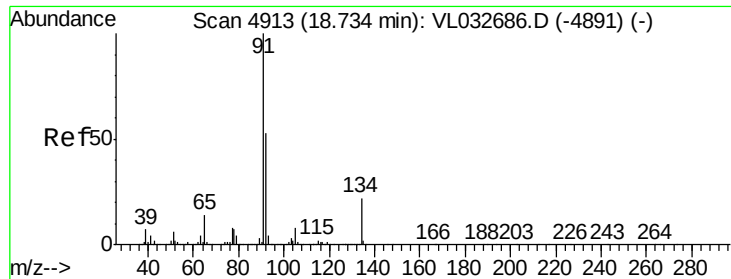
Tgt Ion: 95 Resp: 2700477
 Ion Ratio Lower Upper
 95 100
 174 64.7 46.0 69.0
 175 4.6 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 0.001 ppbv
 RT: 17.82 min Scan# 4630
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Tgt Ion: 119 Resp: 283
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.2 30.2#
 91 0.0 24.0 36.0#





#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 18.74 min Scan# 4914

Delta R.T. 0.01 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

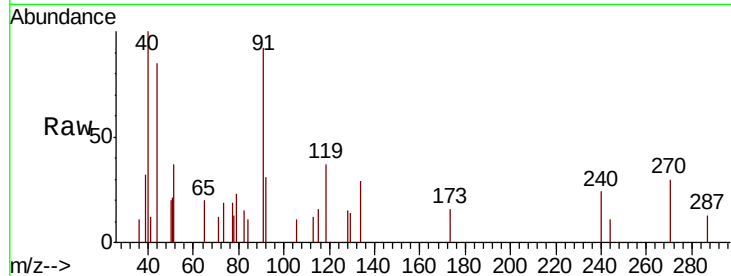
Tgt Ion: 91 Resp: 874

Ion Ratio Lower Upper

91 100

92 111.3 43.0 64.4#

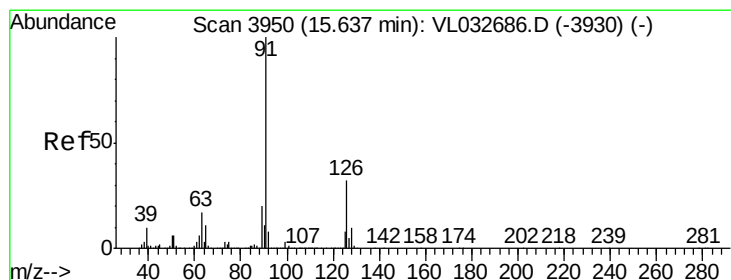
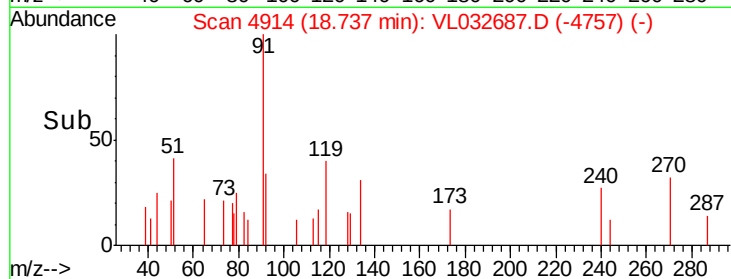
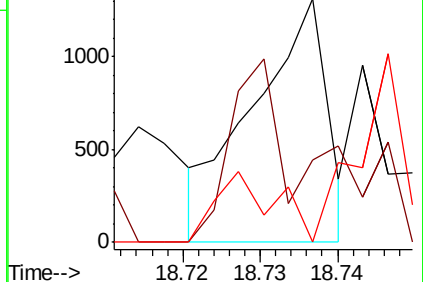
134 0.0 17.0 25.6#



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: 0.000 ppbv

RT: 15.83 min Scan# 4010

Delta R.T. 0.20 min

Lab File: VL032687.D

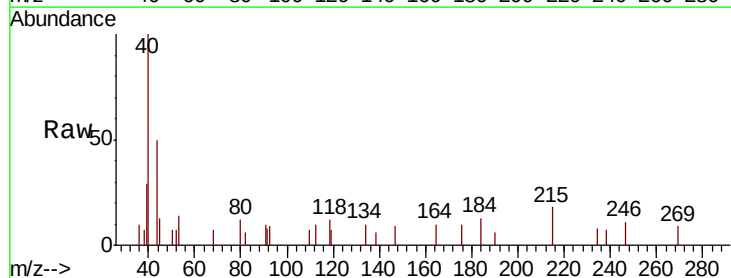
Acq: 24 Oct 2018 14:52

Tgt Ion: 91 Resp: 142

Ion Ratio Lower Upper

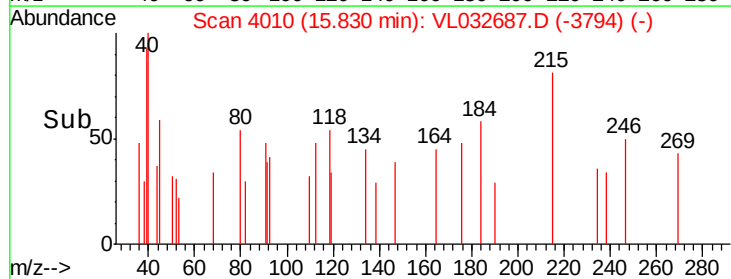
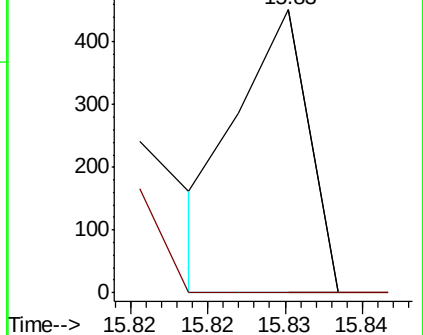
91 100

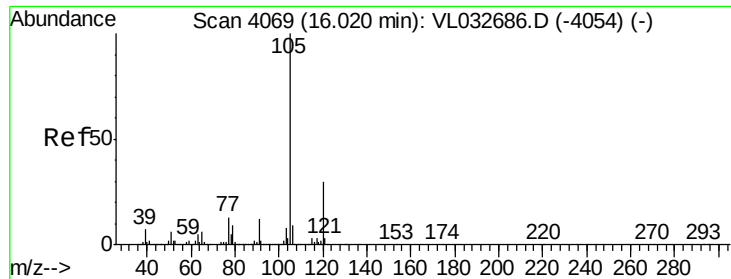
126 22.5 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.001 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

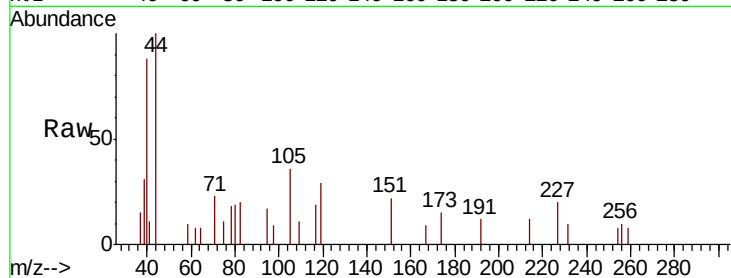
Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

Tgt Ion:	105	Resp:	421
Ion Ratio	Lower	Upper	
105	100		
120	66.3	23.7	35.5#
91	0.0	10.4	15.6#
77	48.5	11.4	17.2#

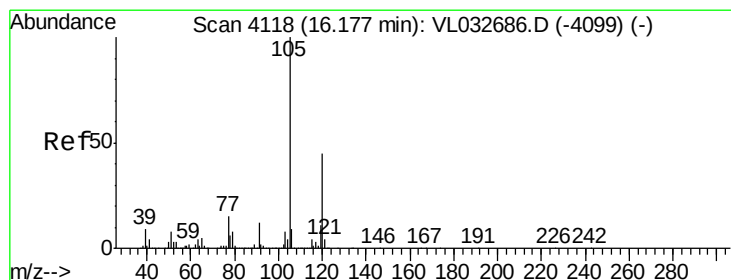
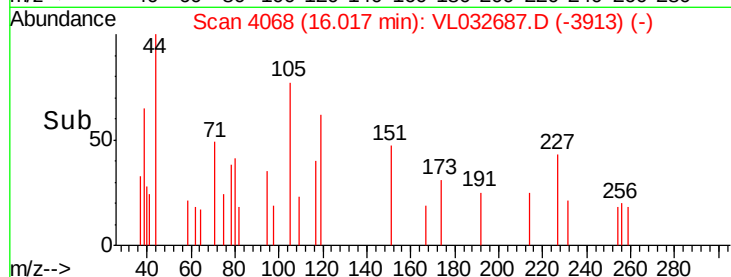
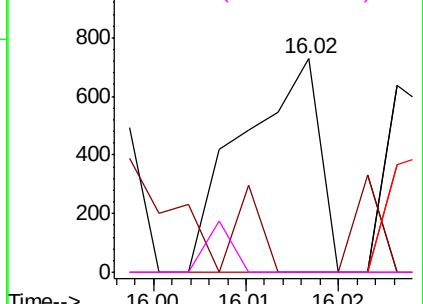


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.002 ppbv

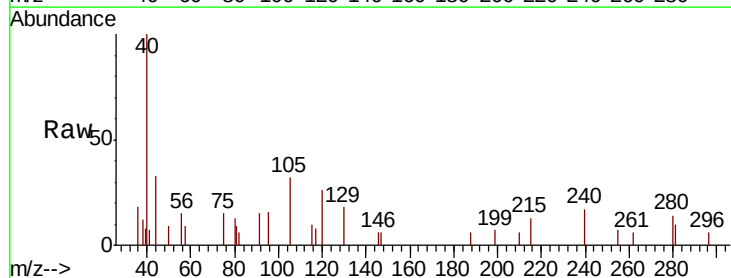
RT: 16.16 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VL032687.D

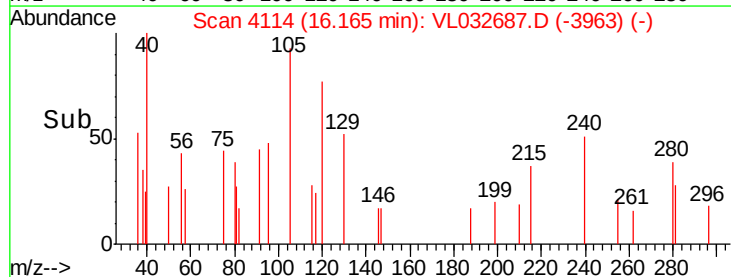
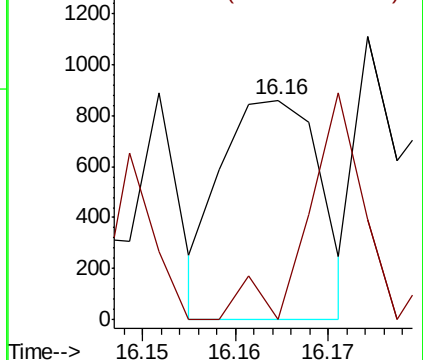
Acq: 24 Oct 2018 14:52

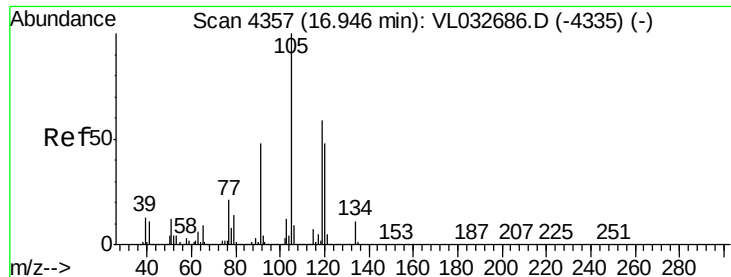
Tgt Ion:	105	Resp:	639
Ion Ratio	Lower	Upper	
105	100		
120	0.0	35.4	53.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

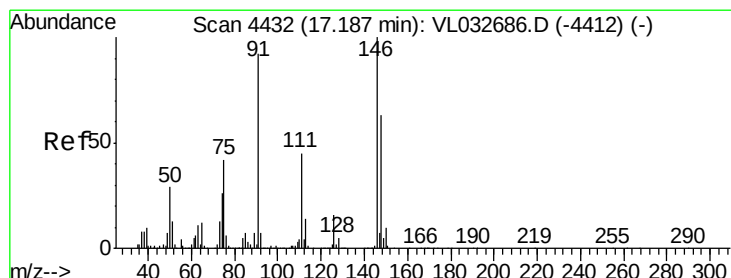
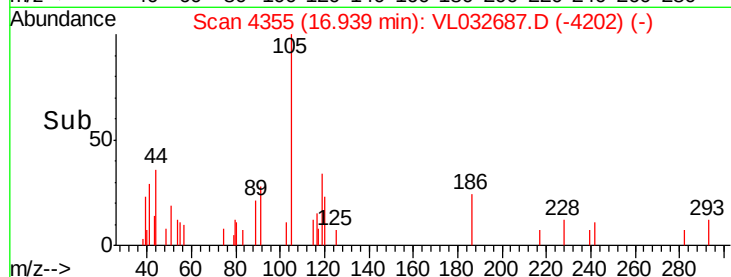
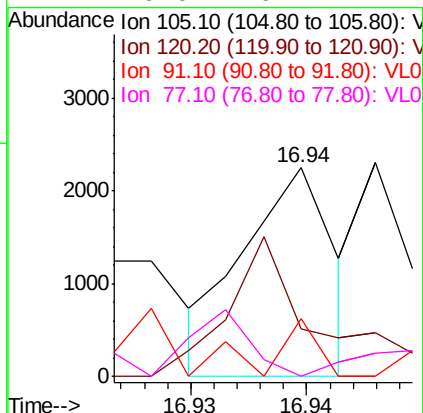
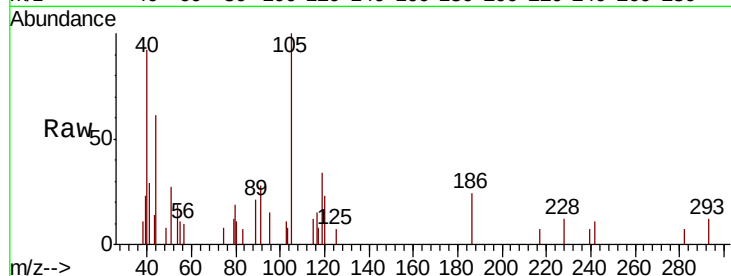




#74
 1,2,4-Trimethylbenzene
 Concen: 0.003 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

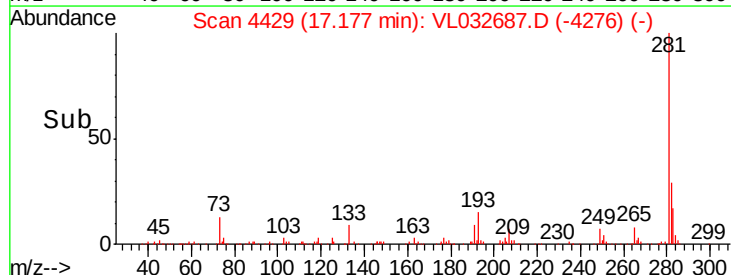
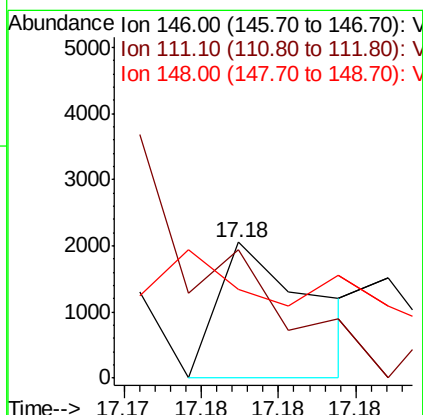
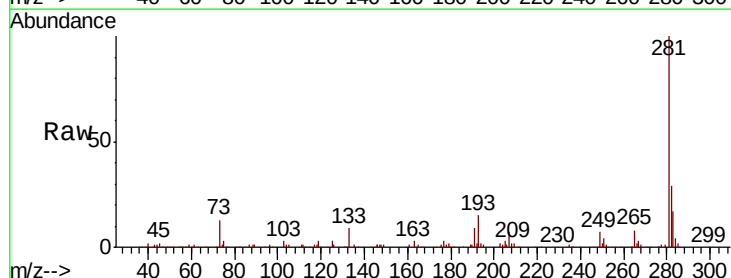
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

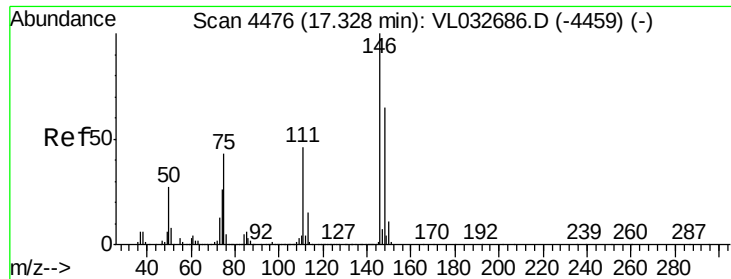
Tgt Ion:105 Resp: 1208
 Ion Ratio Lower Upper
 105 100
 120 15.5 35.8 53.8#
 91 41.1 33.2 49.8
 77 0.0 16.2 24.4#



#75
 1,3-Dichlorobenzene
 Concen: 0.004 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Tgt Ion:146 Resp: 879
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.4 73.2#
 148 0.0 31.9 95.9#

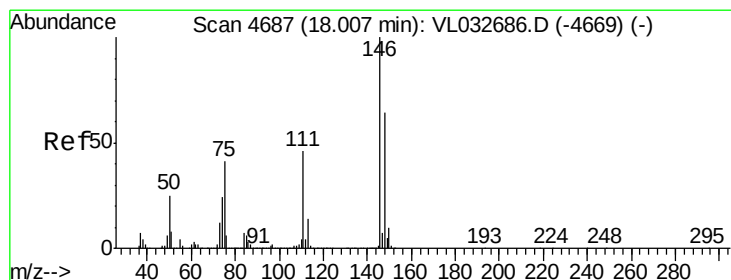
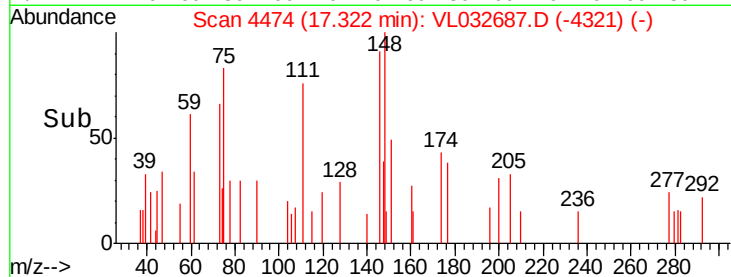
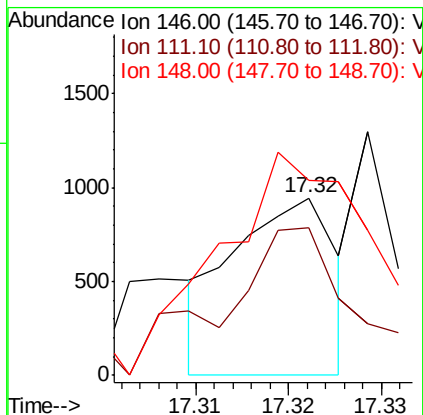
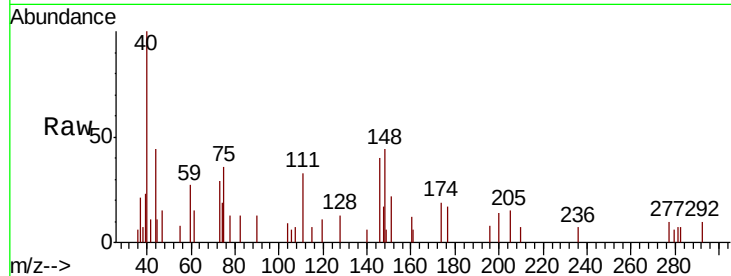




#76
 1,4-Dichlorobenzene
 Concen: 0.003 ppbv
 RT: 17.32 min Scan# 4474
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

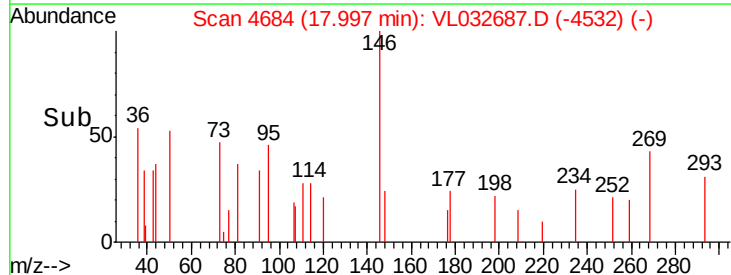
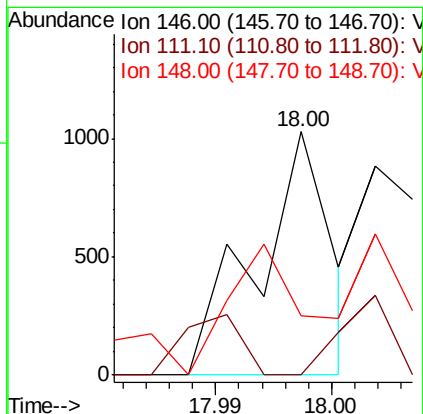
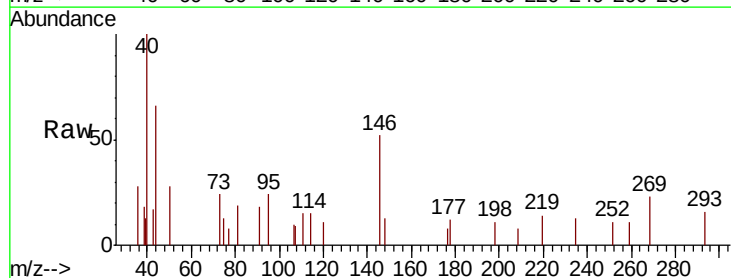
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1024ABL01

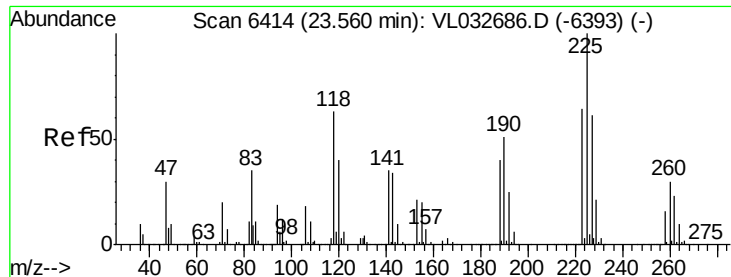
Tgt Ion:146 Resp: 723
 Ion Ratio Lower Upper
 146 100
 111 144.5 23.7 71.1#
 148 270.4 32.1 96.3#



#77
 1,2-Dichlorobenzene
 Concen: 0.002 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. -0.01 min
 Lab File: VL032687.D
 Acq: 24 Oct 2018 14:52

Tgt Ion:146 Resp: 456
 Ion Ratio Lower Upper
 146 100
 111 0.0 25.3 75.8#
 148 0.0 31.9 95.9#





#78

Hexachloro-1,3-Butadiene

Concen: 0.007 ppbv

RT: 23.53 min Scan# 6405

Delta R.T. -0.02 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

Instrument :

MSVOA_L

ClientSampleId :

VL1024ABL01

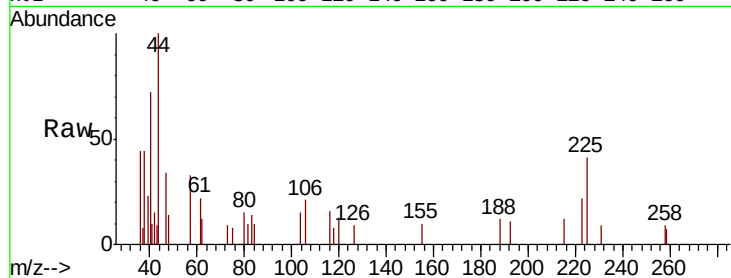
Tgt Ion:225 Resp: 723

Ion Ratio Lower Upper

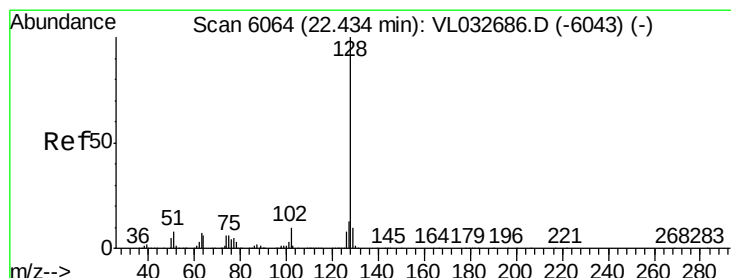
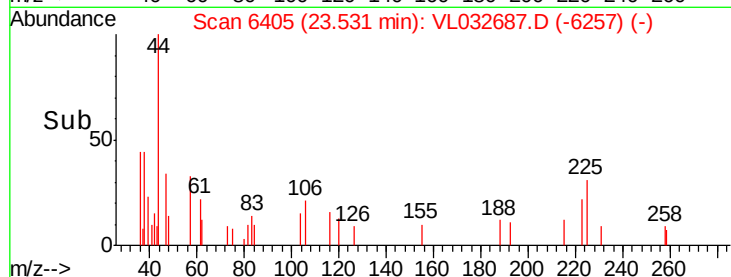
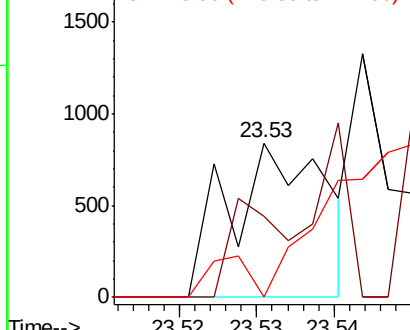
225 100

223 0.0 50.7 76.1#

227 0.0 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: 0.013 ppbv

RT: 22.08 min Scan# 5953

Delta R.T. -0.36 min

Lab File: VL032687.D

Acq: 24 Oct 2018 14:52

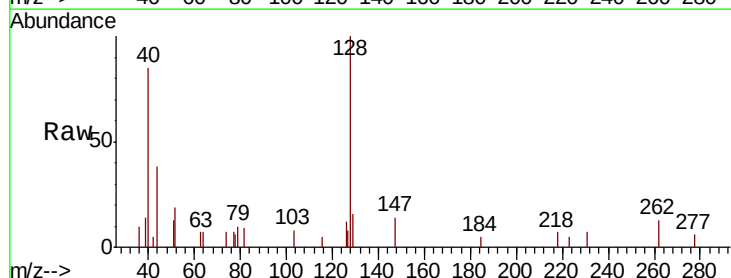
Tgt Ion:128 Resp: 3223

Ion Ratio Lower Upper

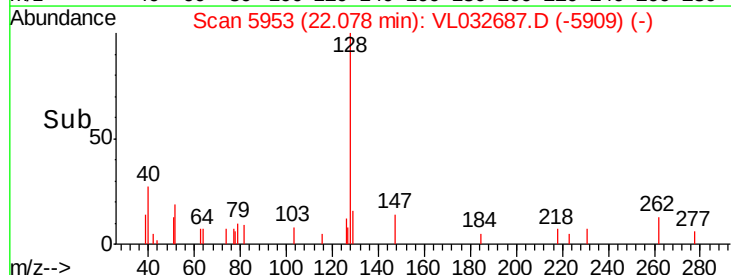
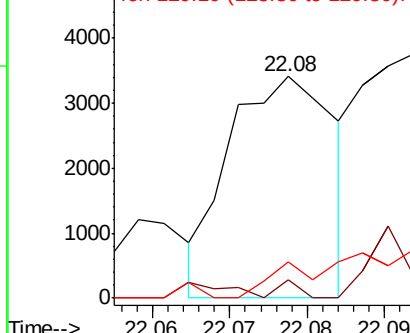
128 100

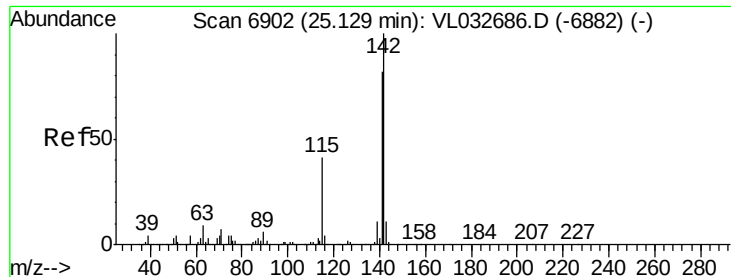
127 11.1 10.3 15.5

129 12.3 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

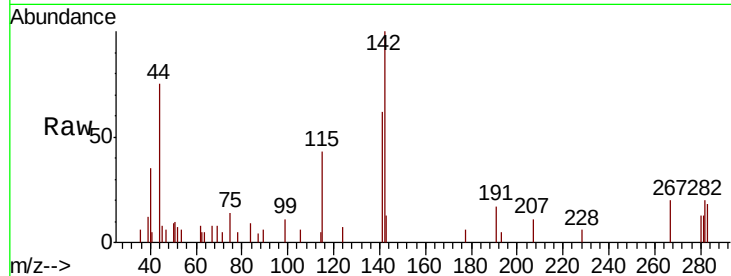




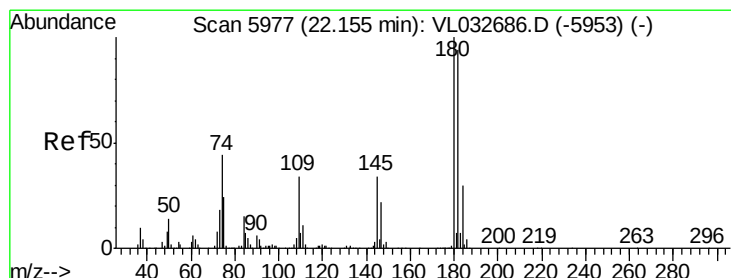
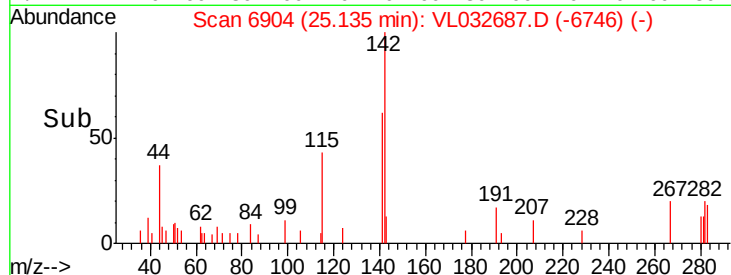
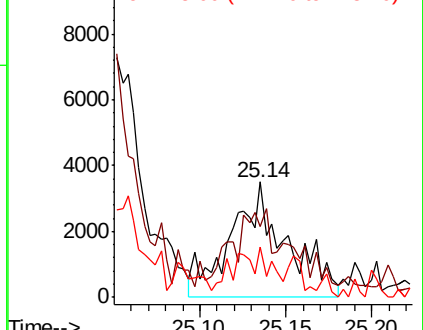
#80
Naphthalene, 2-methyl-
Concen: 0.133 ppbv
RT: 25.14 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Instrument :
MSVOA_L
ClientSampleId :
VL1024ABL01

Tgt Ion:142 Resp: 7858
Ion Ratio Lower Upper
142 100
141 83.8 67.5 101.3
115 46.7 33.5 50.3

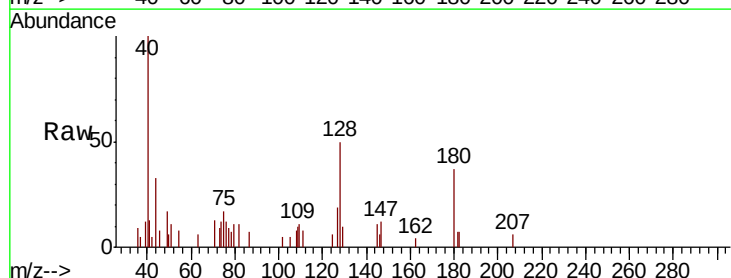


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81
1,2,4-Trichlorobenzene
Concen: 0.003 ppbv
RT: 22.15 min Scan# 5974
Delta R.T. -0.01 min
Lab File: VL032687.D
Acq: 24 Oct 2018 14:52

Tgt Ion:180 Resp: 419
Ion Ratio Lower Upper
180 100
182 0.0 76.5 114.7#
184 0.0 24.7 37.1#



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

