

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032436.D
 Acq On : 31 Aug 2018 3:46
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Quant Time: Aug 31 04:28:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 04:25:10 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	2055926	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3974602	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3813408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2867297	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.11	85	12276	0.067	ppbv 89
3) Chlorodifluoromethane	3.05	51	8269	0.046	ppbv # 91
4) Chloromethane	3.21	50	4900	0.045	ppbv # 66
5) Vinyl Chloride	3.33	62	3564	0.037	ppbv 92
6) Bromomethane	3.55	94	2412	0.041	ppbv # 46
7) Chloroethane	3.64	64	669	0.018	ppbv # 42
8) Dichlorotetrafluoroethane	3.25	85	9207	0.041	ppbv 100
9) Propene	3.07	41	1551	0.022	ppbv # 14
10) Heptane	8.29	43	2533	0.010	ppbv # 28
11) Trichlorofluoromethane	4.04	101	6950	0.030	ppbv # 78
12) 1,1,2-Trichlorotrifluoroet	4.59	101	2054	0.013	ppbv # 17
13) Ethanol	3.68	45	51	0.002	ppbv # 40
14) Bromoethene	3.81	108	251	0.004	ppbv # 1
15) Acetone	3.96	43	7146	0.036	ppbv # 47
16) 1,3-Butadiene	3.39	39	1424	0.017	ppbv # 1
17) tert-Butyl alcohol	4.40	59	111	0.003	ppbv # 76
18) 1,1-Dichloroethene	4.39	96	2999	0.042	ppbv 82
19) Isopropyl Alcohol	4.07	45	324	0.003	ppbv # 93
20) Methylene Chloride	4.45	84	8679	0.119	ppbv # 78
21) Allyl Chloride	4.52	41	2002	0.016	ppbv # 1
22) trans-1,2-Dichloroethene	5.00	96	1064	0.014	ppbv # 52
23) Vinyl Acetate	5.19	43	1337	0.004	ppbv # 1
24) 1,1-Dichloroethane	5.13	63	8793	0.036	ppbv # 93
25) Ethyl Acetate	5.83	43	13840	0.033	ppbv # 84
26) Hexane	5.82	57	3023	0.016	ppbv # 1
27) Carbon Disulfide	4.67	76	6754	0.038	ppbv # 11
28) Methyl tert-Butyl Ether	5.15	73	47	0.000	ppbv # 51
29) Chloroform	5.89	83	5482	0.019	ppbv 95
30) Cyclohexane	7.29	84	678	0.005	ppbv # 1
31) cis-1,2-Dichloroethene	5.69	61	1090	0.006	ppbv 90
32) 1,1,1-Trichloroethane	6.67	97	1654	0.007	ppbv # 21
34) 2-Butanone	5.38	43	617	0.002	ppbv # 54
35) Carbon Tetrachloride	7.18	117	4302	0.017	ppbv # 68
36) Benzene	7.05	78	6168	0.019	ppbv # 83
37) 1,2-Dichloroethane	6.45	62	3609	0.018	ppbv # 81
38) Trichloroethene	8.01	130	3919	0.036	ppbv # 25
39) 1,2-Dichloropropane	7.34	63	1099286	7.953	ppbv # 24
40) 1,4-Dioxane	8.01	88	138	0.003	ppbv # 1
41) Tetrahydrofuran	6.19	42	122	0.001	ppbv # 39
42) Bromodichloromethane	7.96	83	3063	0.011	ppbv # 24
43) Methyl Methacrylate	8.18	69	354	0.003	ppbv # 1

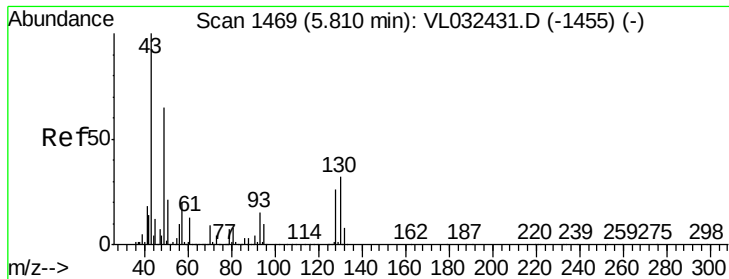
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
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Quant Time: Aug 31 04:28:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 04:25:10 2018
 QLast Update : Fri Aug 31 04:25:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	3830	0.006	ppbv #	43
45) t-1,3-Dichloropropene	9.46	75	1134	0.007	ppbv #	49
46) cis-1,3-Dichloropropene	8.91	75	254	0.001	ppbv	94
47) 1,1,2-Trichloroethane	9.67	97	4981	0.034	ppbv #	85
48) Dibromochloromethane	10.50	129	3101	0.015	ppbv #	10
49) Bromoform	13.25	173	2490	0.014	ppbv #	1
50) 4-Methyl-2-Pentanone	8.94	43	509	0.001	ppbv #	39
51) 2-Hexanone	10.34	43	458	0.002	ppbv #	54
52) Tetrachloroethene	11.42	164	1336	0.014	ppbv #	59
53) Toluene	10.00	91	3337	0.010	ppbv #	48
54) 1,2-Dibromoethane	10.81	107	1696	0.008	ppbv #	77
56) 1,1,1,2-Tetrachloroethane	12.32	131	1729	0.011	ppbv #	1
57) Chlorobenzene	12.35	112	6940	0.024	ppbv #	75
58) Ethyl Benzene	12.91	91	2656	0.006	ppbv #	1
59) m/p-Xylene	13.19	91	1889	0.005	ppbv #	32
60) o-Xylene	13.90	91	2382	0.006	ppbv #	32
61) Styrene	13.74	104	1268	0.005	ppbv #	1
62) Isopropylbenzene	14.88	105	6017	0.011	ppbv #	57
63) 1,1,2,2-Tetrachloroethane	13.89	83	5597	0.017	ppbv #	6
64) n-propylbenzene	15.77	120	571	0.004	ppbv #	1
65) tert-Butylbenzene	16.96	119	2827	0.006	ppbv #	1
66) Benzyl Chloride	17.20	91	757	0.003	ppbv #	66
67) sec-Butylbenzene	17.51	105	2530	0.004	ppbv #	1
69) p-Isopropyltoluene	17.86	119	1313	0.003	ppbv #	47
70) n-Butylbenzene	18.76	91	4038	0.007	ppbv #	33
71) 2-Chlorotoluene	15.66	91	3629	0.009	ppbv	90
72) 4-Ethyltoluene	16.05	105	4013	0.010	ppbv #	45
73) 1,3,5-Trimethylbenzene	16.21	105	3179	0.008	ppbv	97
74) 1,2,4-Trimethylbenzene	16.97	105	191	0.000	ppbv #	51
75) 1,3-Dichlorobenzene	17.21	146	4910	0.018	ppbv #	1
76) 1,4-Dichlorobenzene	17.36	146	2065	0.008	ppbv #	23
77) 1,2-Dichlorobenzene	18.04	146	2310	0.009	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.58	225	1142	0.010	ppbv #	18
79) Naphthalene	22.47	128	1814	0.007	ppbv #	77
80) Naphthalene,2-methyl-	25.17	142	1007	0.014	ppbv #	78
81) 1,2,4-Trichlorobenzene	22.19	180	943	0.006	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

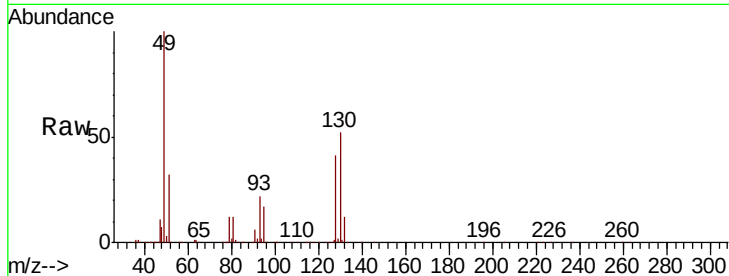
Tgt Ion: 49 Resp: 2055926

Ion Ratio Lower Upper

49 100

128 41.8 20.7 62.1

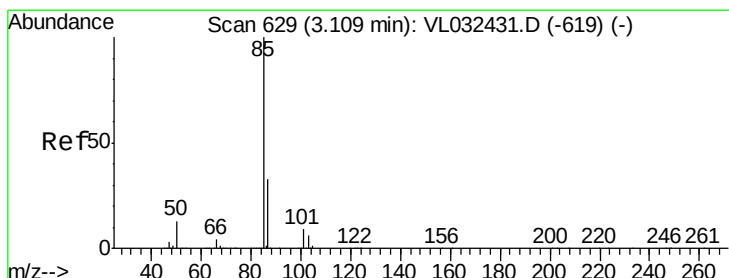
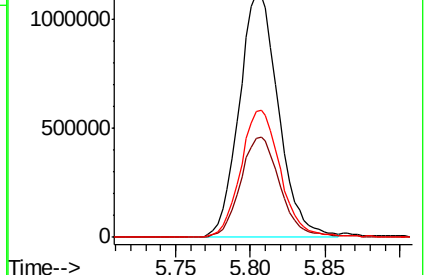
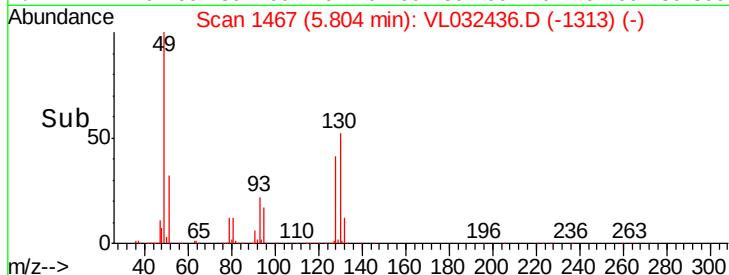
130 53.3 26.7 80.0



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: 0.067 ppbv

RT: 3.11 min Scan# 629

Delta R.T. 0.00 min

Lab File: VL032436.D

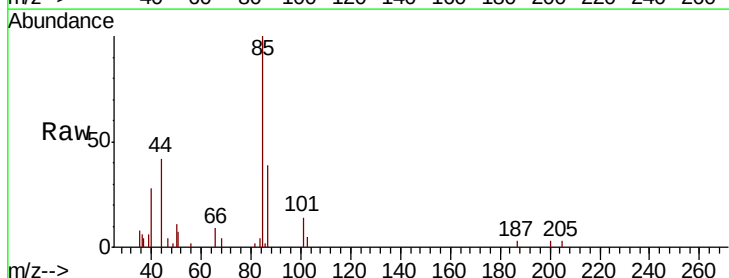
Acq: 31 Aug 2018 3:46

Tgt Ion: 85 Resp: 12276

Ion Ratio Lower Upper

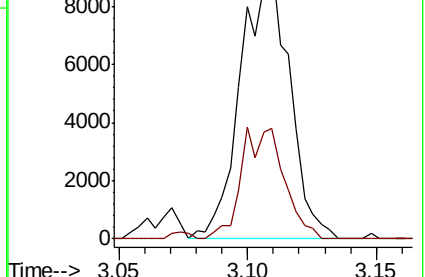
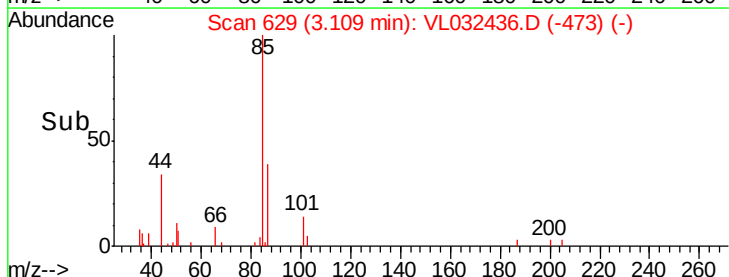
85 100

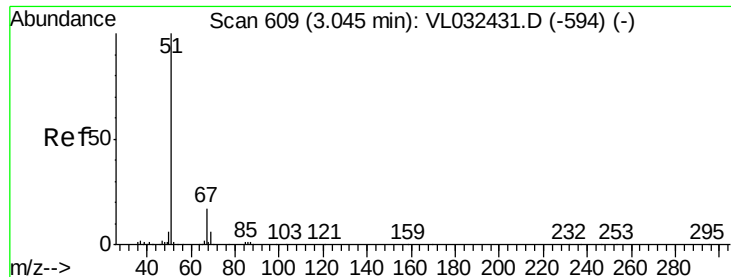
87 39.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.046 ppbv

RT: 3.05 min Scan# 609

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

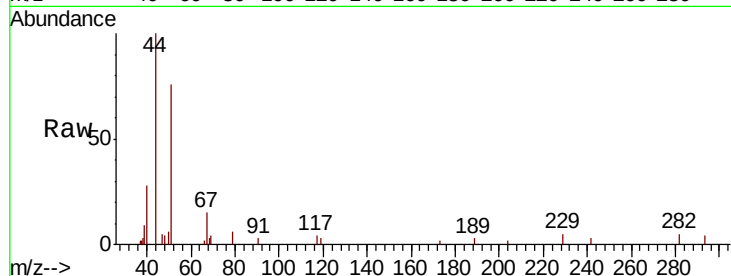
VSTDIC0.03

Tgt Ion: 51 Resp: 8269

Ion Ratio Lower Upper

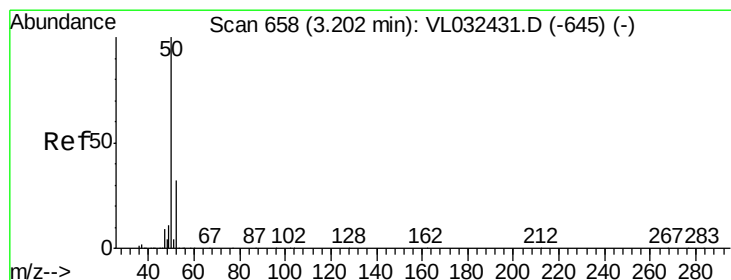
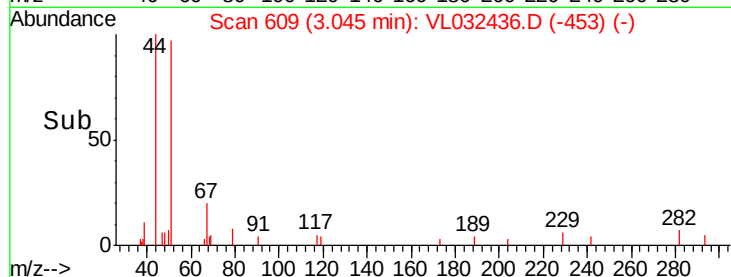
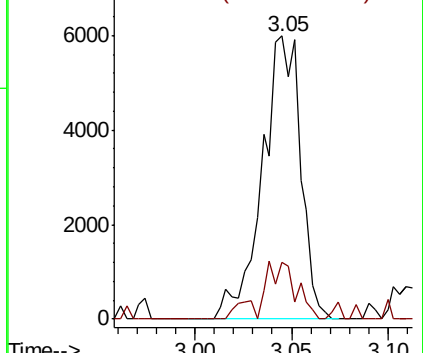
51 100

67 21.2 13.8 20.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.045 ppbv

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VL032436.D

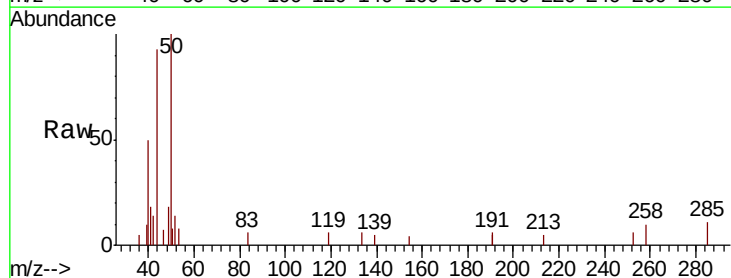
Acq: 31 Aug 2018 3:46

Tgt Ion: 50 Resp: 4900

Ion Ratio Lower Upper

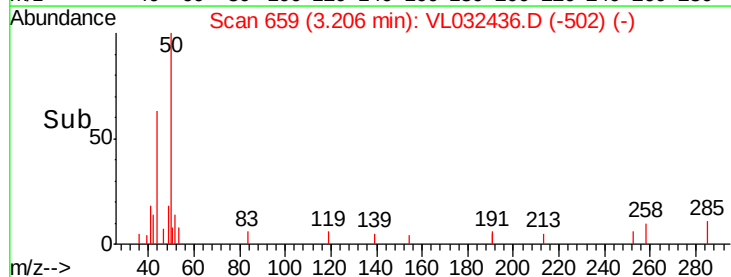
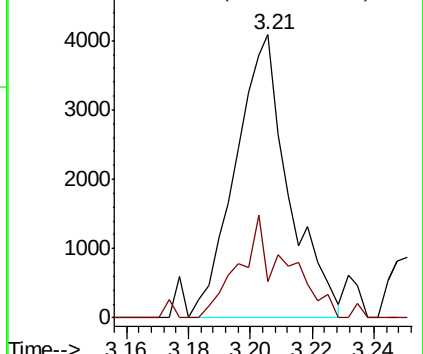
50 100

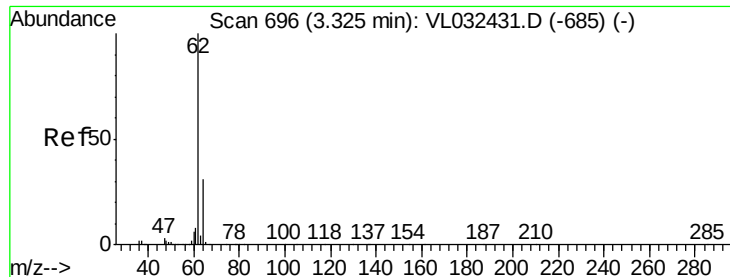
52 13.0 25.6 38.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.037 ppbv

RT: 3.33 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

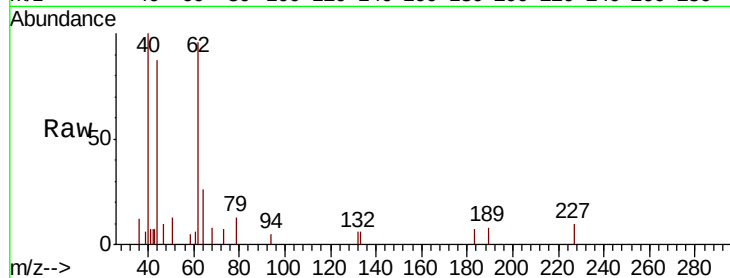
VSTDIC0.03

Tgt Ion: 62 Resp: 3564

Ion Ratio Lower Upper

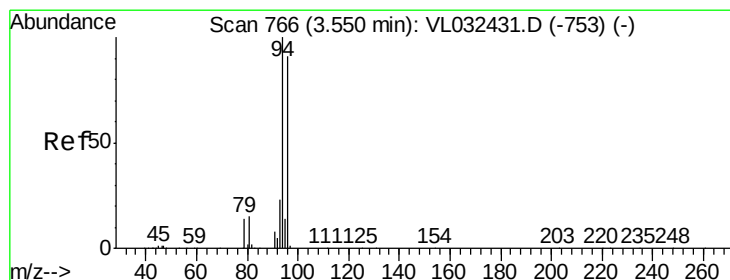
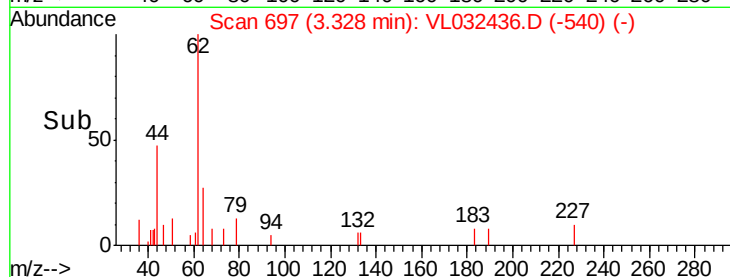
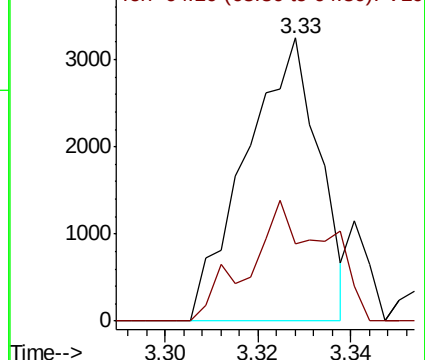
62 100

64 27.1 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.041 ppbv

RT: 3.55 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL032436.D

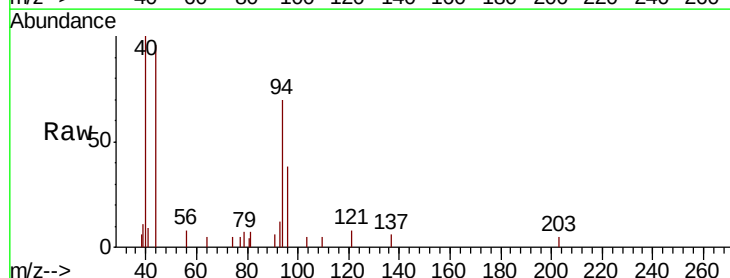
Acq: 31 Aug 2018 3:46

Tgt Ion: 94 Resp: 2412

Ion Ratio Lower Upper

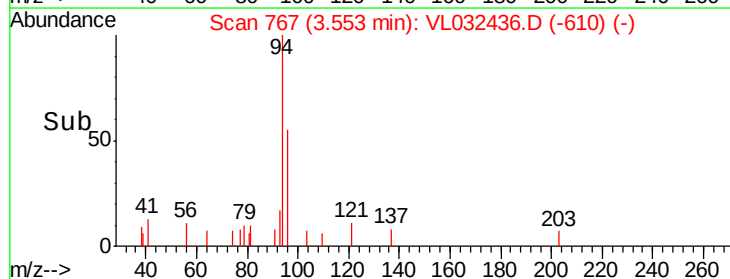
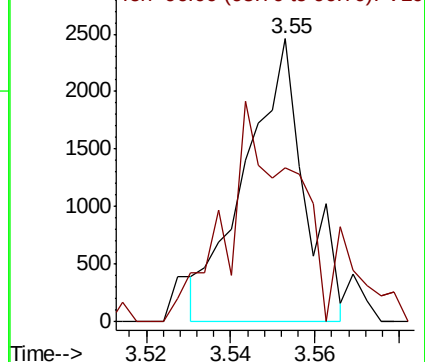
94 100

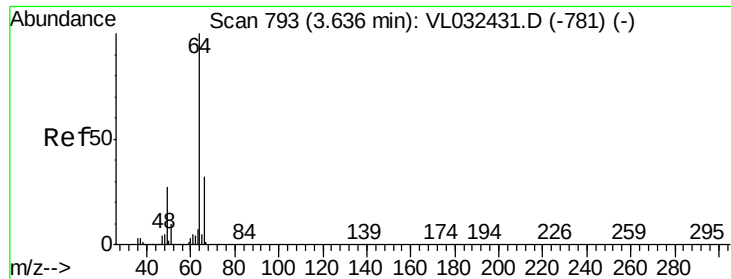
96 39.9 72.8 109.2#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.018 ppbv

RT: 3.64 min Scan# 793

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

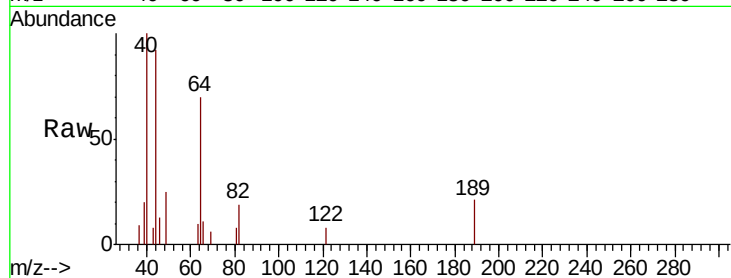
VSTDIC0.03

Tgt Ion: 64 Resp: 669

Ion Ratio Lower Upper

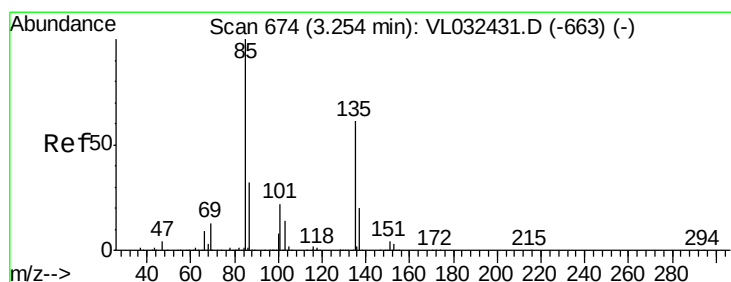
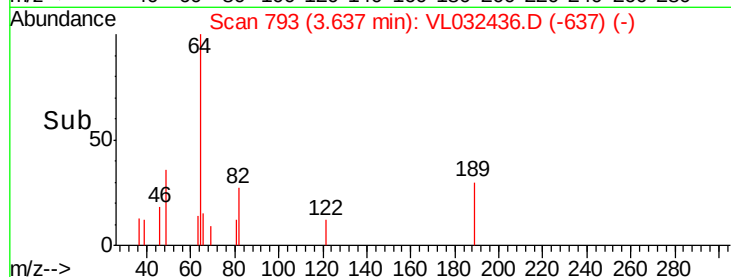
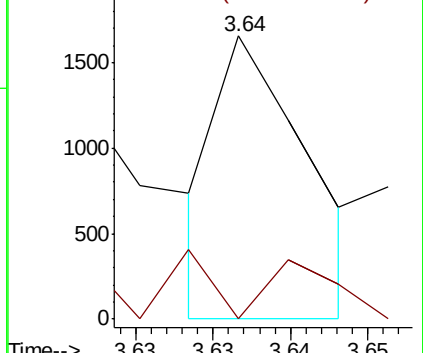
64 100

66 0.0 25.8 38.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.041 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032436.D

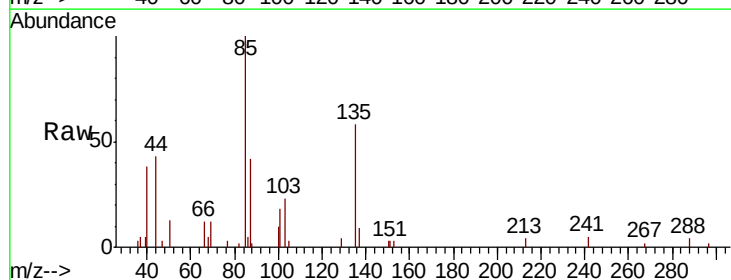
Acq: 31 Aug 2018 3:46

Tgt Ion: 85 Resp: 9207

Ion Ratio Lower Upper

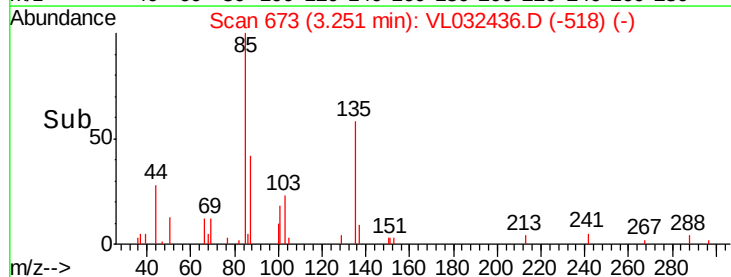
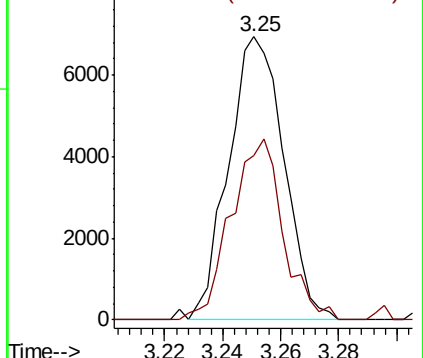
85 100

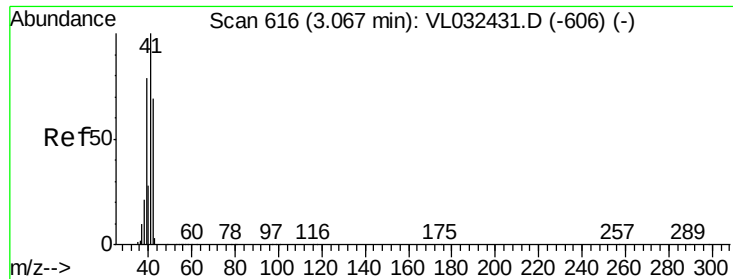
135 60.9 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.022 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

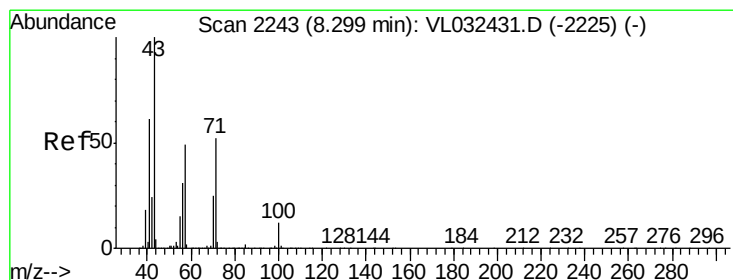
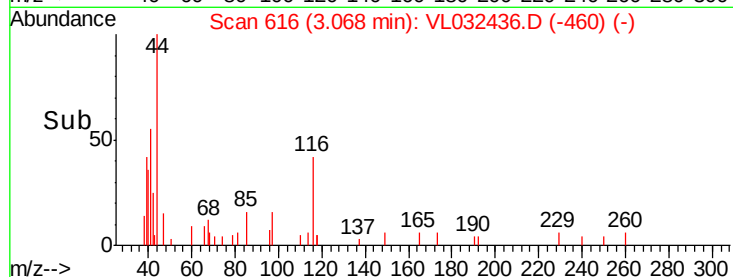
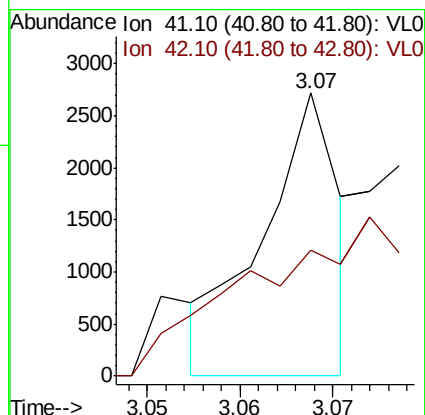
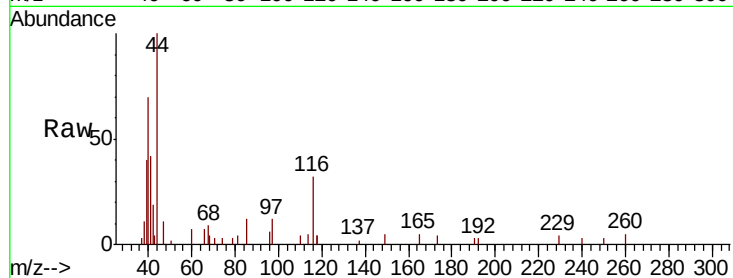
VSTDIC0.03

Tgt Ion: 41 Resp: 1551

Ion Ratio Lower Upper

41 100

42 0.0 56.6 84.8#



#10

Heptane

Concen: 0.010 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.01 min

Lab File: VL032436.D

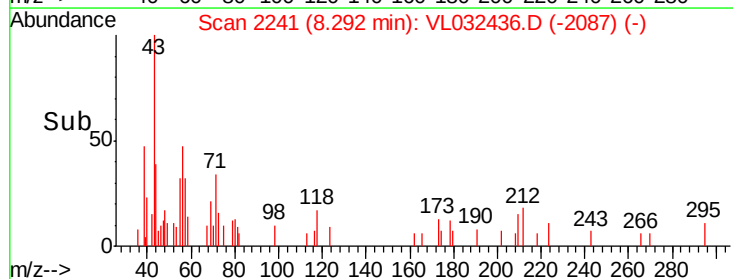
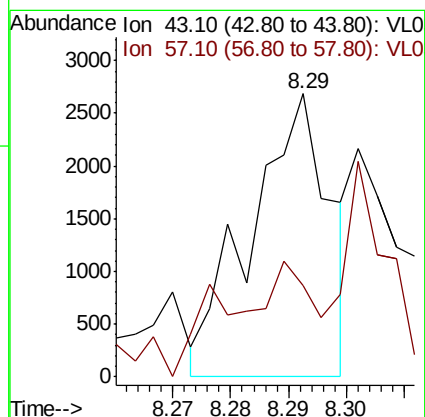
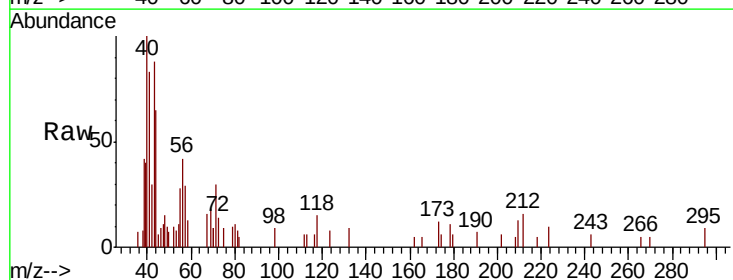
Acq: 31 Aug 2018 3:46

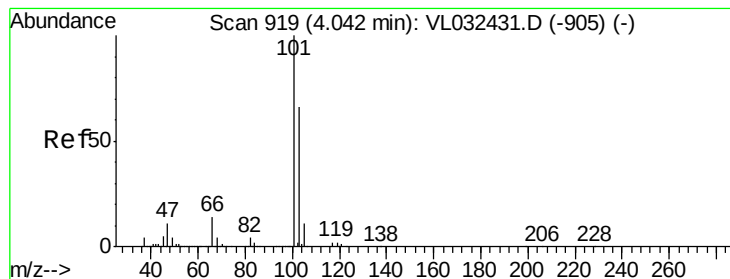
Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

57 0.0 39.8 59.6#





#11

Trichlorofluoromethane

Concen: 0.030 ppbv

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

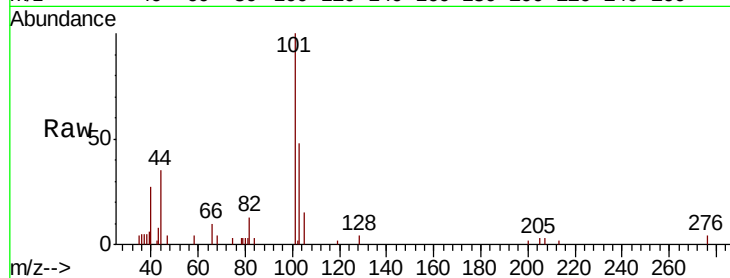
VSTDIC0.03

Tgt Ion:101 Resp: 6950

Ion Ratio Lower Upper

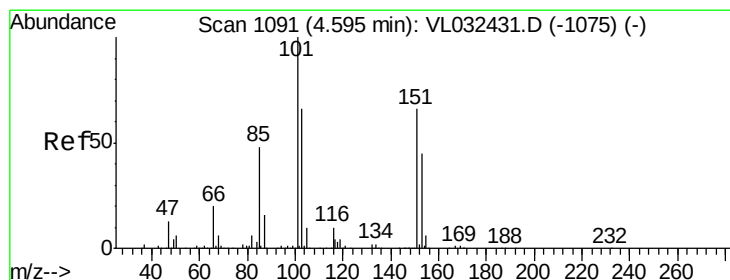
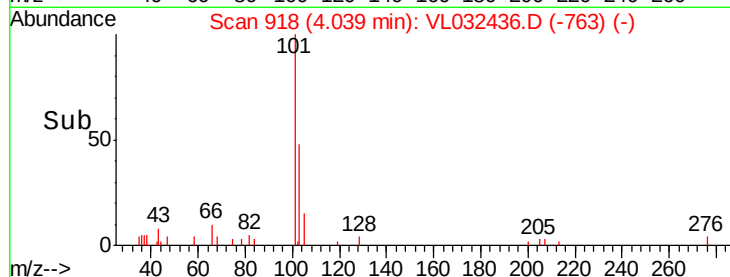
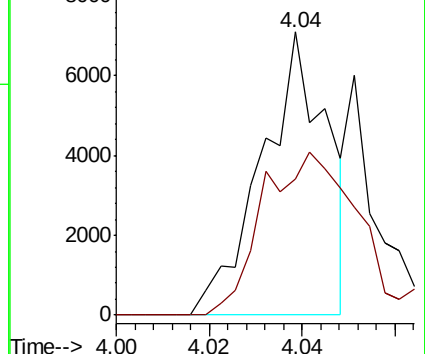
101 100

103 48.2 52.8 79.2#



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: 0.013 ppbv

RT: 4.59 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VL032436.D

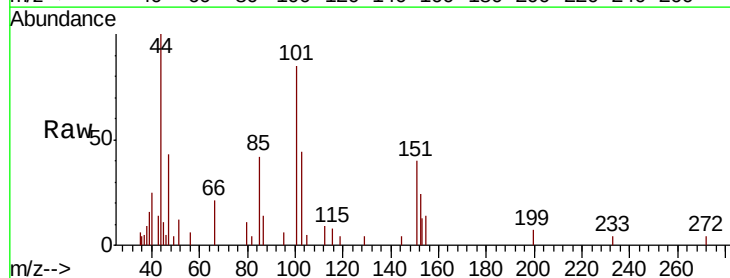
Acq: 31 Aug 2018 3:46

Tgt Ion:101 Resp: 2054

Ion Ratio Lower Upper

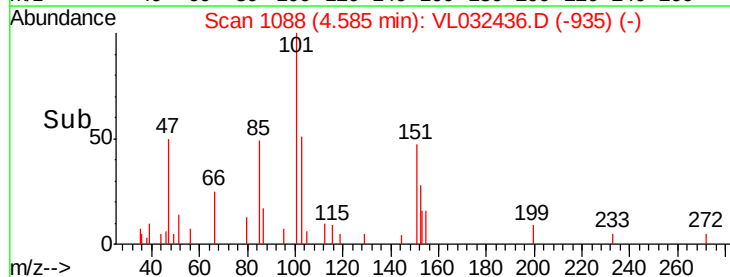
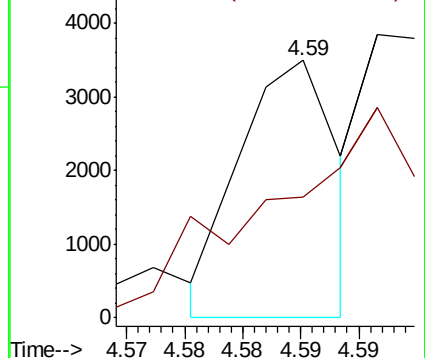
101 100

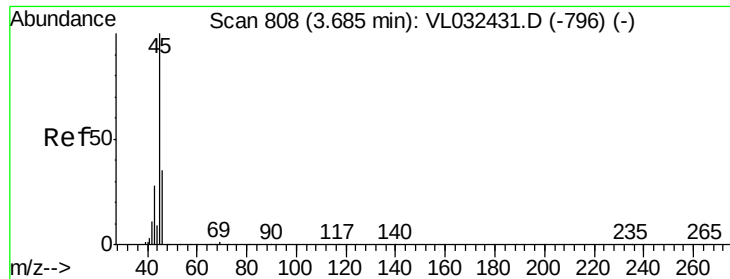
151 0.0 52.6 78.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.002 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

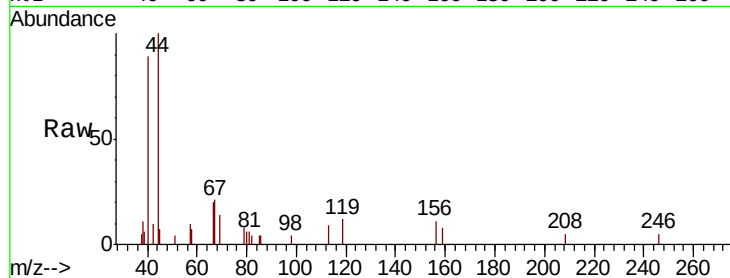
VSTDIC0.03

Tgt Ion: 45 Resp: 51

Ion Ratio Lower Upper

45 100

46 0.0 13.9 55.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.68

250

200

150

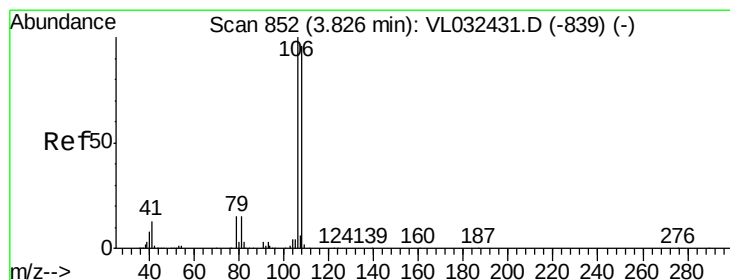
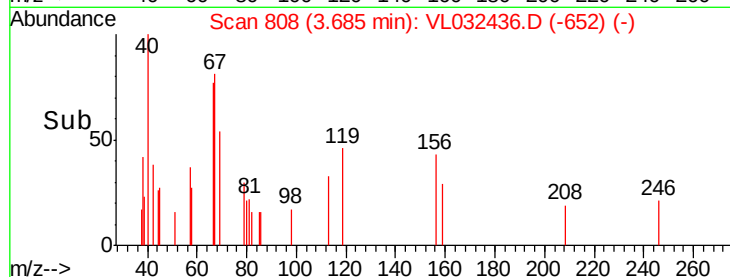
100

50

0

3.68 3.69 3.69

Time-->



#14

Bromoethene

Concen: 0.004 ppbv

RT: 3.81 min Scan# 846

Delta R.T. -0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

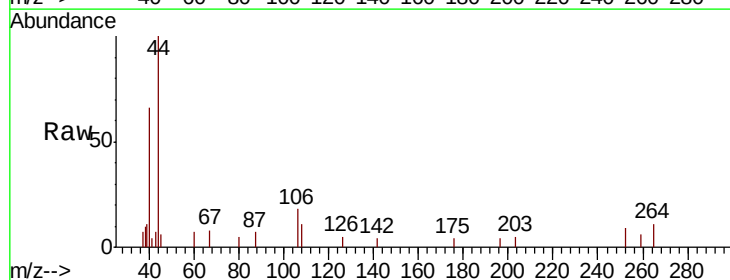
Tgt Ion: 108 Resp: 251

Ion Ratio Lower Upper

108 100

106 0.0 85.5 128.3#

79 410.8 13.0 19.6#



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

1500

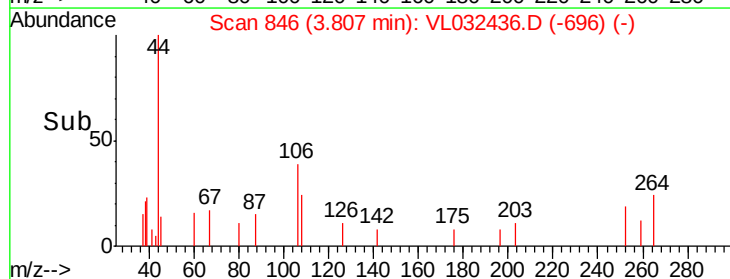
1000

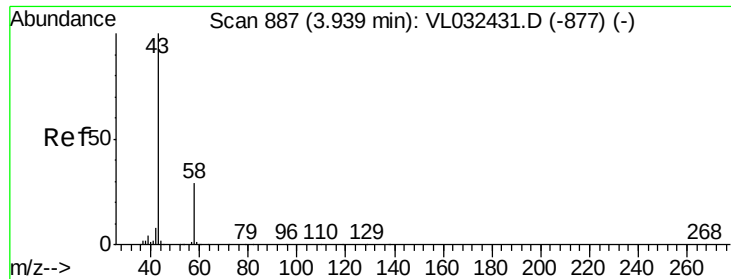
500

0

3.79 3.80 3.81 3.81

Time-->

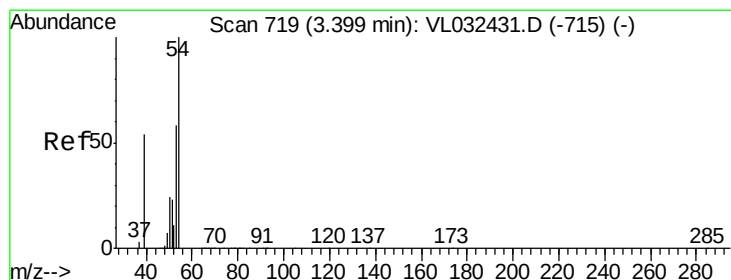
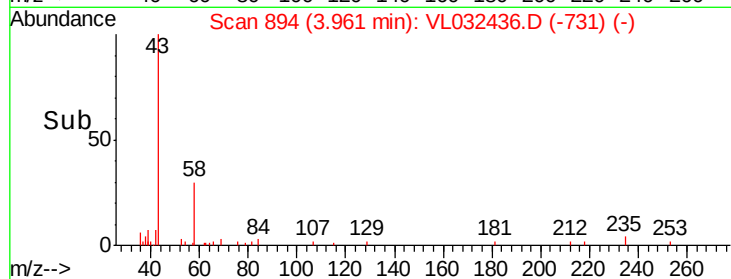
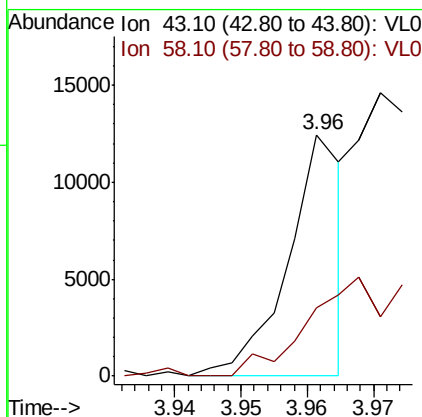
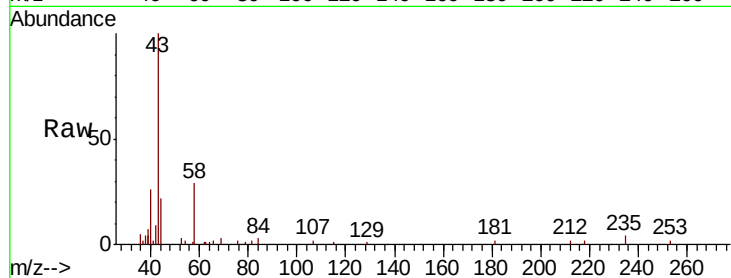




#15
Acetone
Concen: 0.036 ppbv
RT: 3.96 min Scan# 894
Delta R.T. 0.02 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

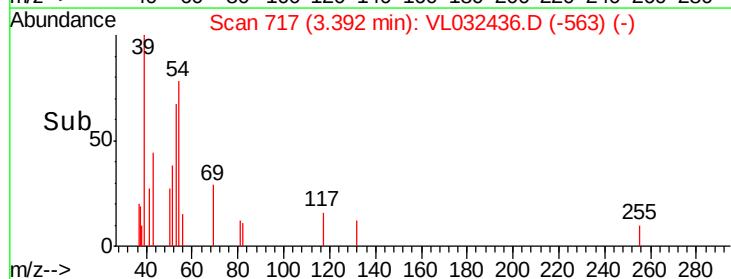
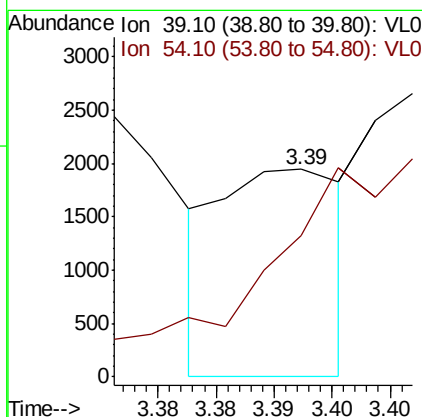
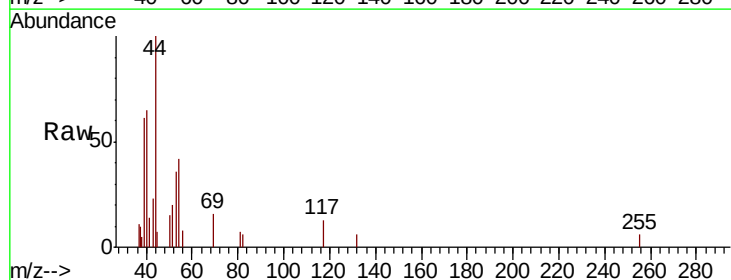
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

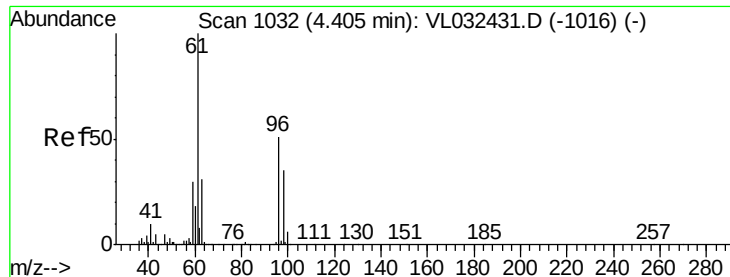
Tgt Ion: 43 Resp: 7146
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#16
1,3-Butadiene
Concen: 0.017 ppbv
RT: 3.39 min Scan# 717
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion: 39 Resp: 1424
Ion Ratio Lower Upper
39 100
54 0.0 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 0.003 ppbv

RT: 4.40 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

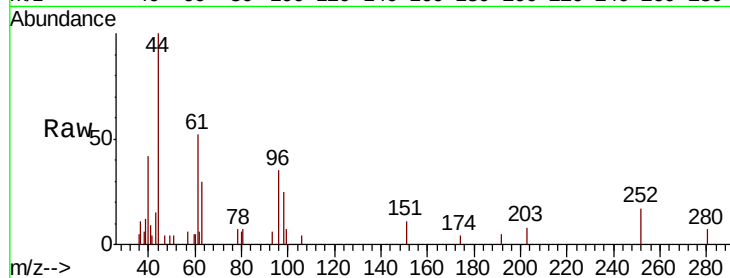
VSTDIC0.03

Tgt Ion: 59 Resp: 111

Ion Ratio Lower Upper

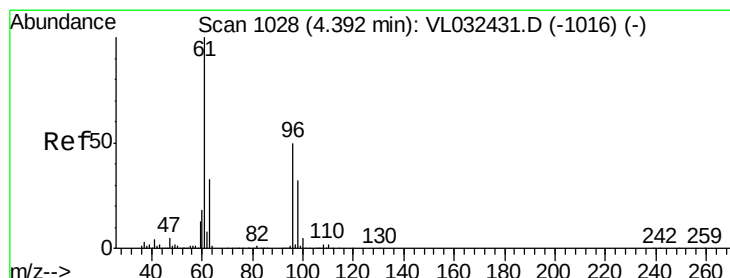
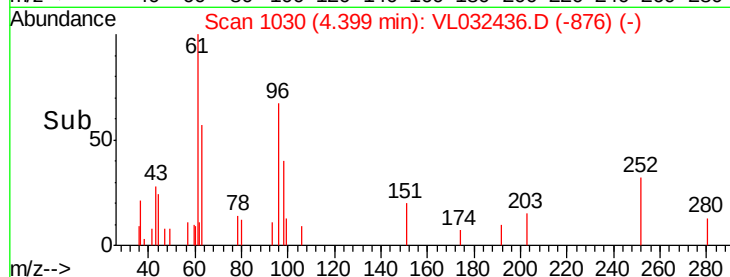
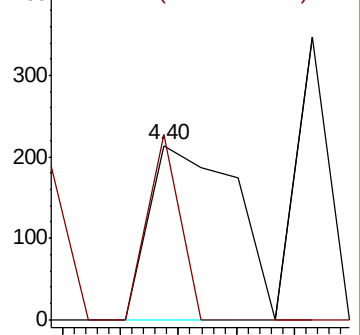
59 100

57 0.0 7.0 10.4#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.042 ppbv

RT: 4.39 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

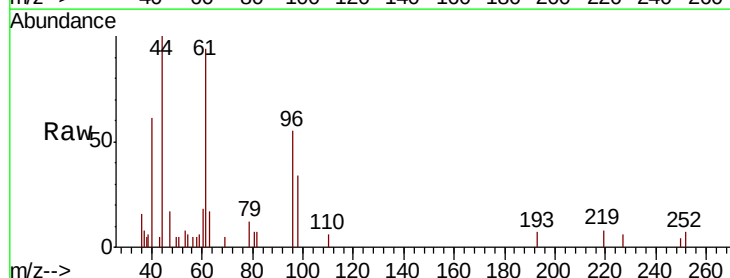
Tgt Ion: 96 Resp: 2999

Ion Ratio Lower Upper

96 100

61 164.0 159.2 238.8

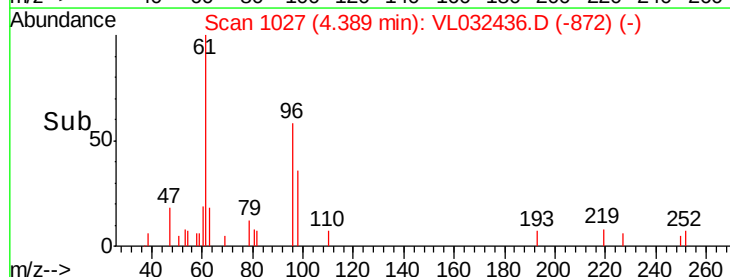
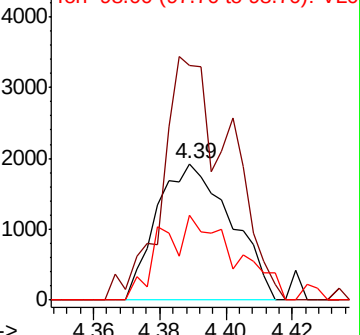
98 62.5 51.0 76.4

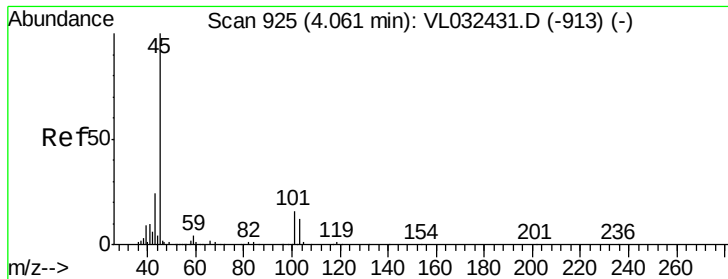


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.003 ppbv

RT: 4.07 min Scan# 929

Delta R.T. 0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

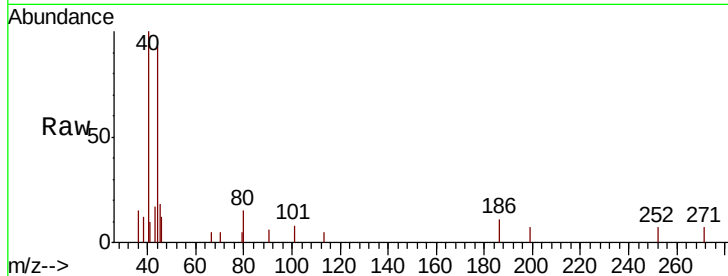
VSTDIC0.03

Tgt Ion: 45 Resp: 324

Ion Ratio Lower Upper

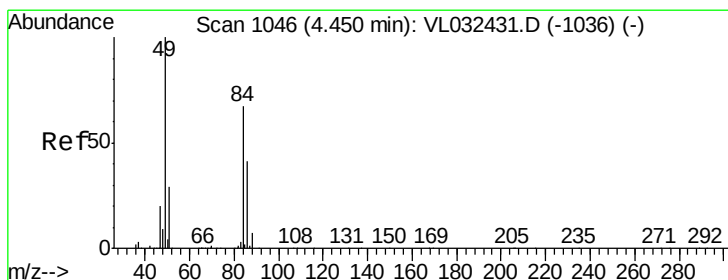
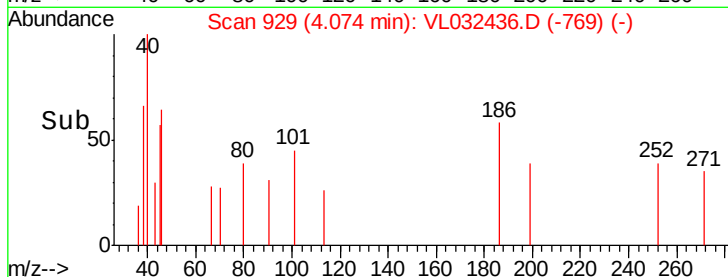
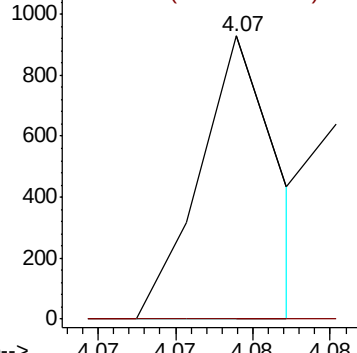
45 100

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: 4.45 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion: 84 Resp: 8679

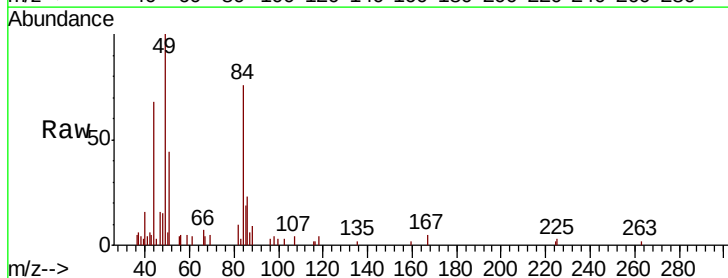
Ion Ratio Lower Upper

84 100

49 131.3 119.1 178.7

51 57.9 35.2 52.8#

86 30.2 49.4 74.2#

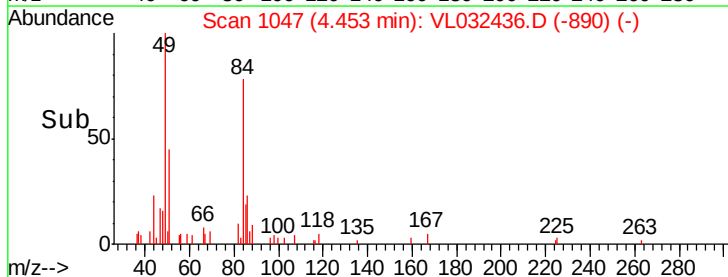
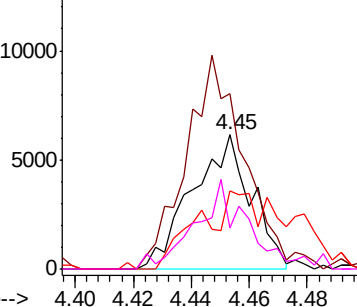


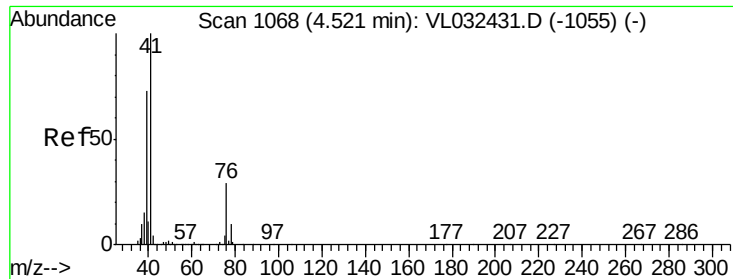
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

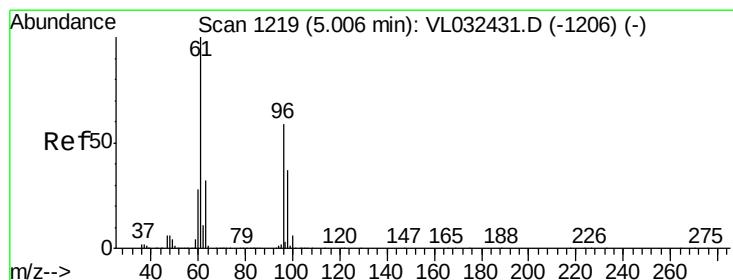
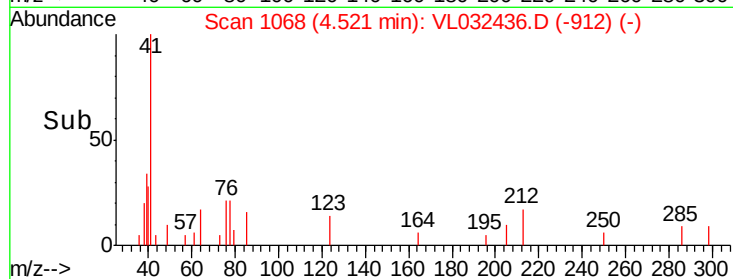
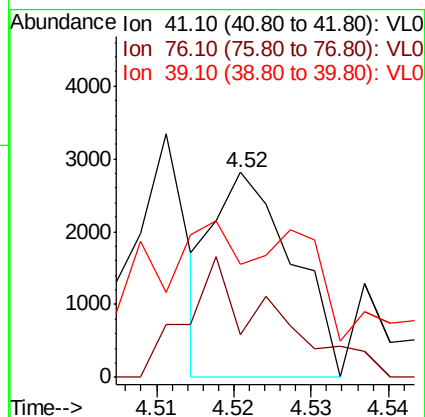
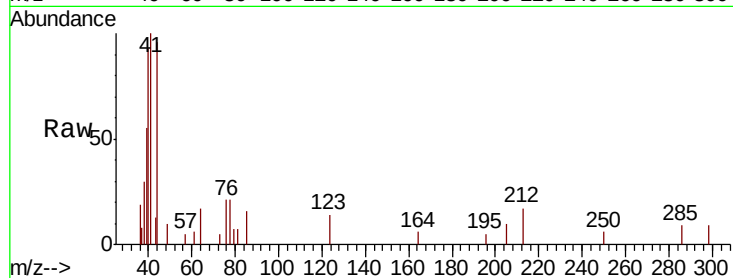




#21
 Allyl Chloride
 Concen: 0.016 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

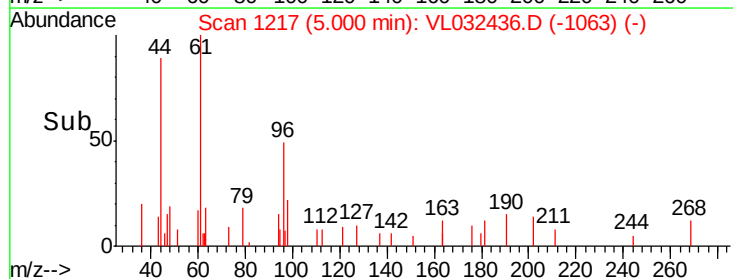
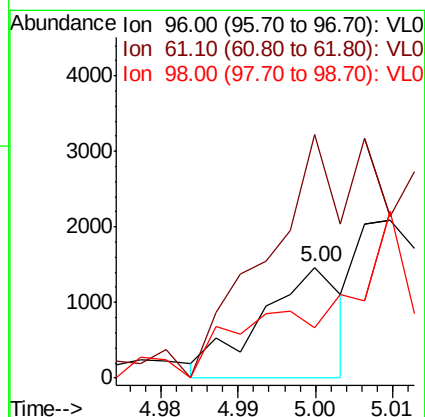
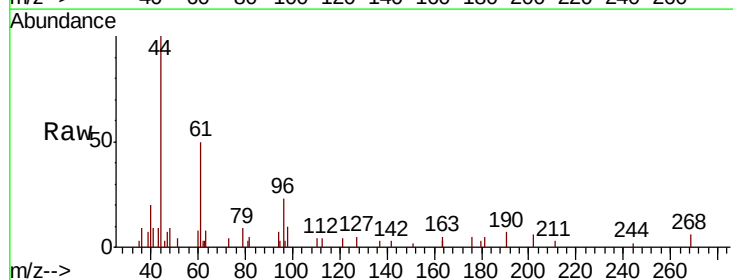
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

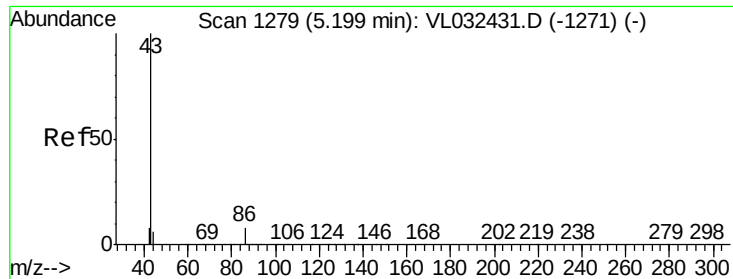
Tgt Ion: 41 Resp: 2002
 Ion Ratio Lower Upper
 41 100
 76 64.4 23.6 35.4#
 39 227.7 57.7 86.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.014 ppbv
 RT: 5.00 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion: 96 Resp: 1064
 Ion Ratio Lower Upper
 96 100
 61 253.1 136.2 204.4#
 98 52.5 50.4 75.6

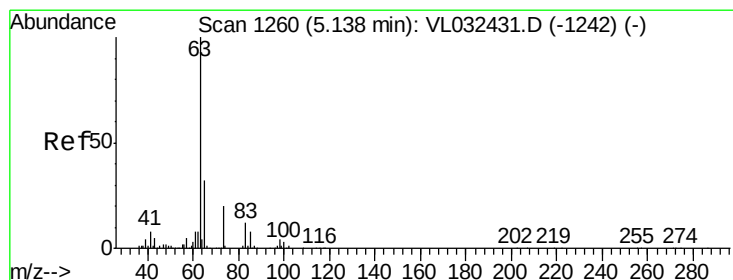
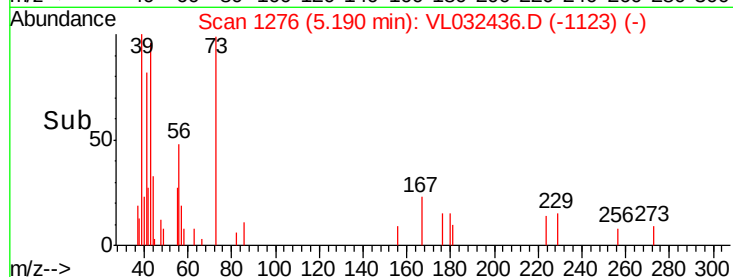
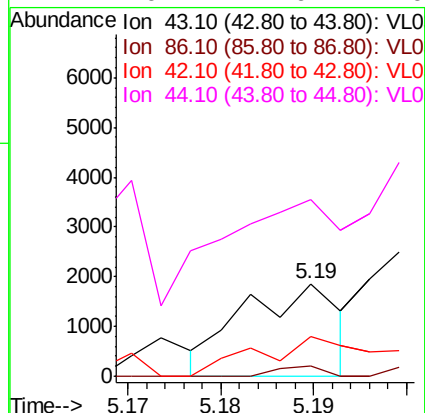
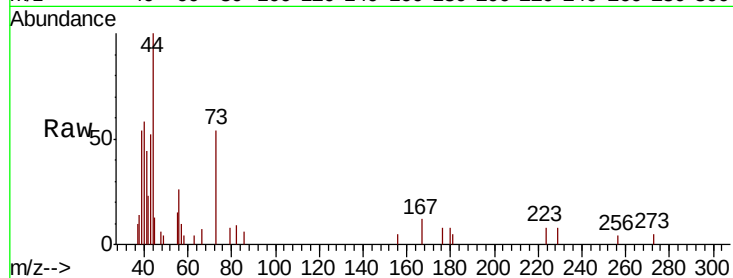




#23
 Vinyl Acetate
 Concen: 0.004 ppbv
 RT: 5.19 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

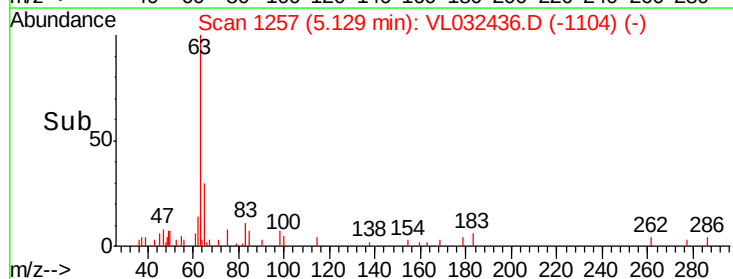
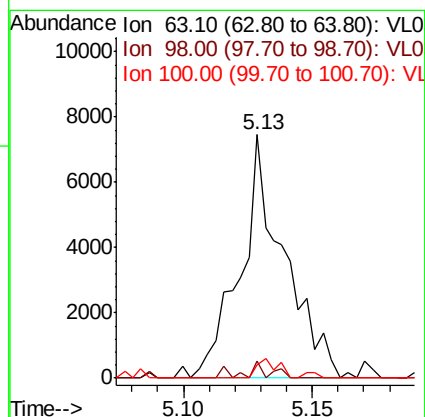
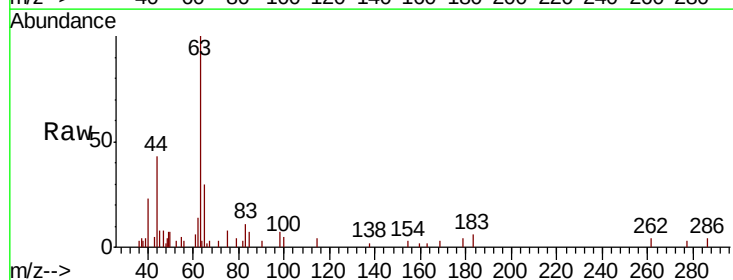
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

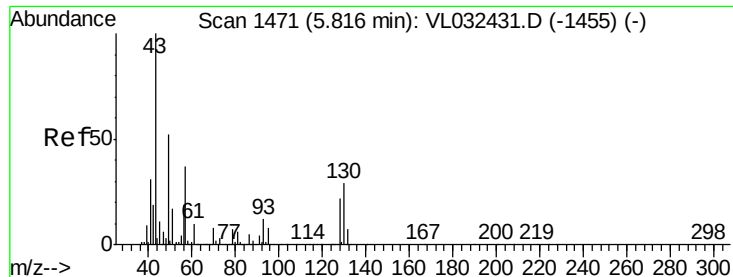
Tgt Ion:	43	Resp:	1337
Ion	Ratio	Lower	Upper
43	100		
86	16.2	5.9	8.9#
42	60.0	6.9	10.3#
44	76.4	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.036 ppbv
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion:	63	Resp:	8793
Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.1	6.5#
100	5.2	1.5	4.4#

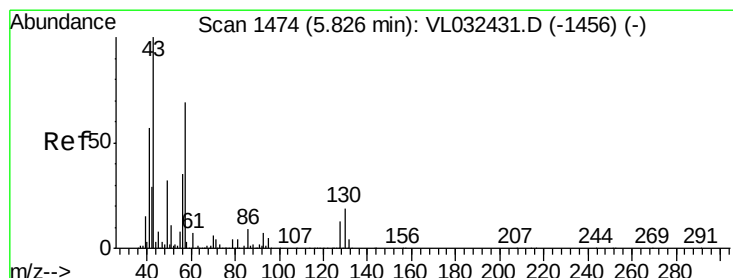
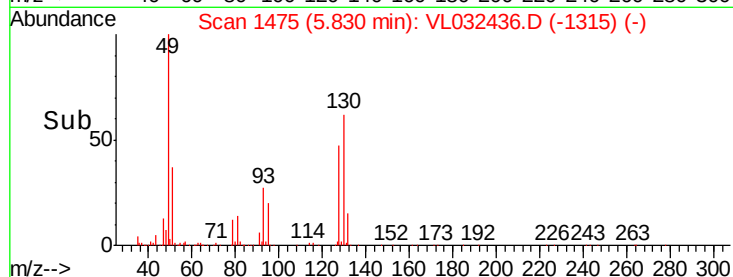
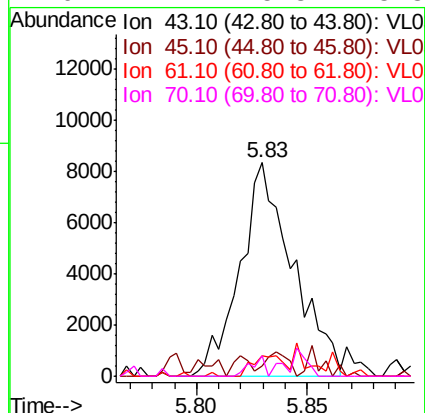
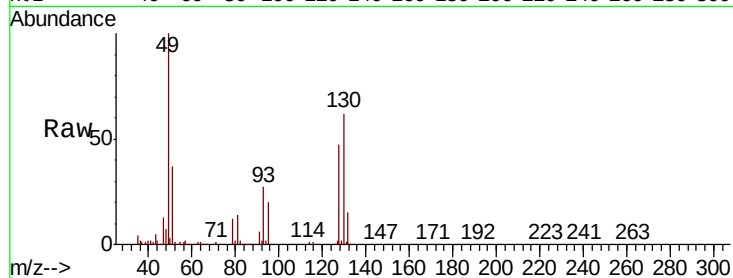




#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.83 min Scan# 1475
Delta R.T. 0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

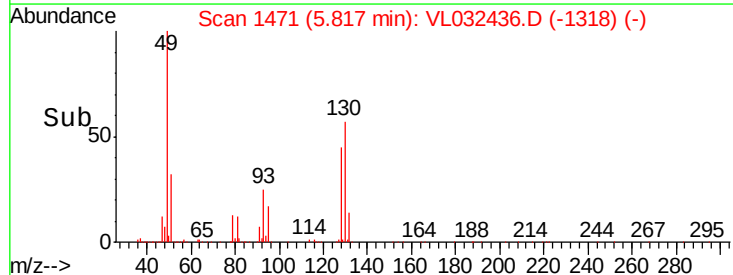
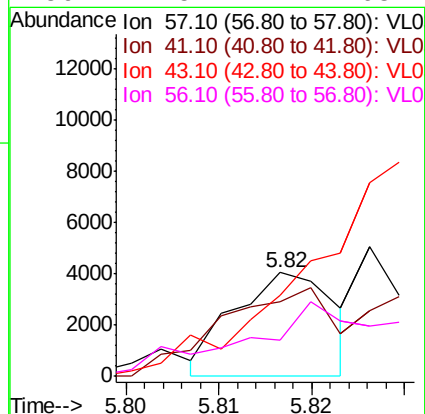
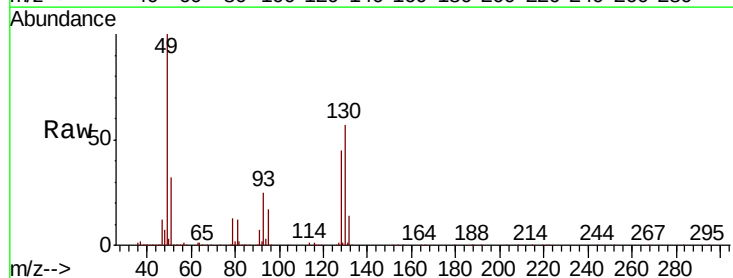
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

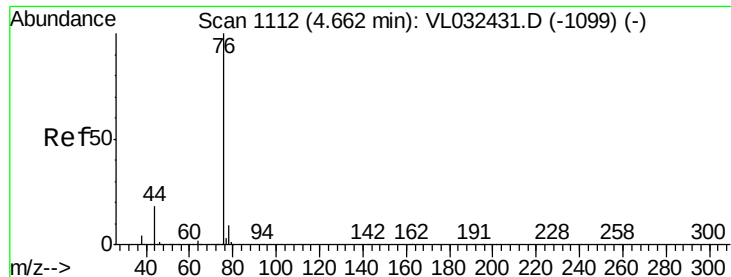
Tgt Ion:	43	Resp:	13840
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	5.8	7.6	11.4#
70	4.1	5.8	8.8#



#26
Hexane
Concen: 0.016 ppbv
RT: 5.82 min Scan# 1471
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion:	57	Resp:	3023
Ion	Ratio	Lower	Upper
57	100		
41	199.3	68.4	102.6#
43	0.0	172.6	258.8#
56	142.5	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.038 ppbv

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

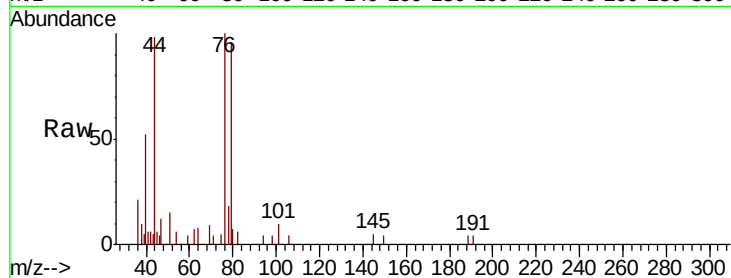
Tgt Ion: 76 Resp: 6754

Ion Ratio Lower Upper

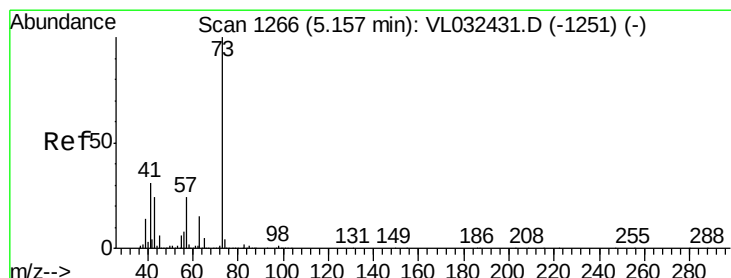
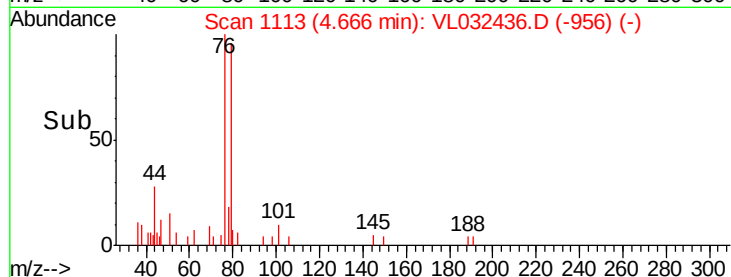
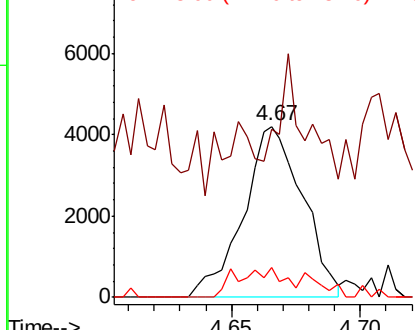
76 100

44 71.1 14.0 21.0#

78 19.0 7.5 11.3#



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: 0.000 ppbv

RT: 5.15 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL032436.D

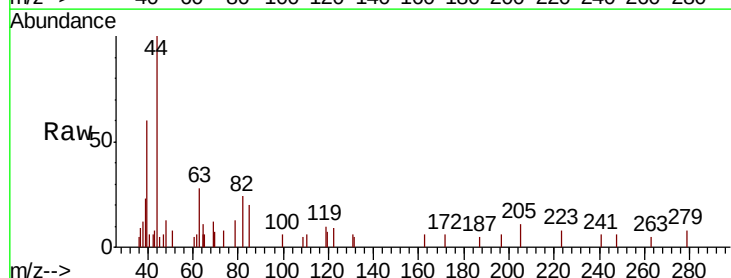
Acq: 31 Aug 2018 3:46

Tgt Ion: 73 Resp: 47

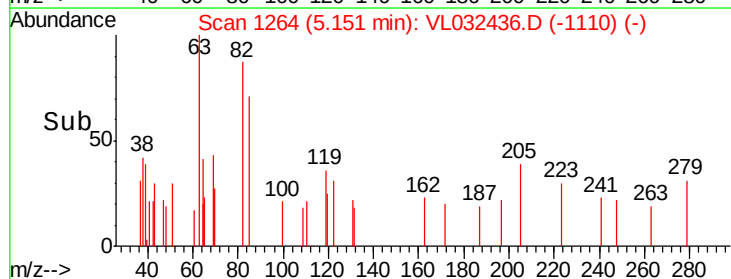
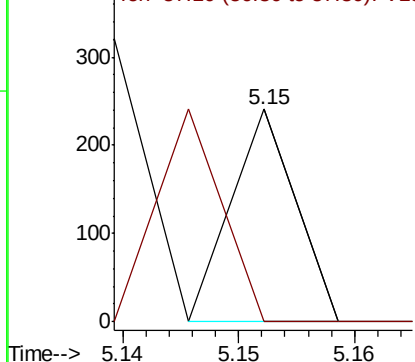
Ion Ratio Lower Upper

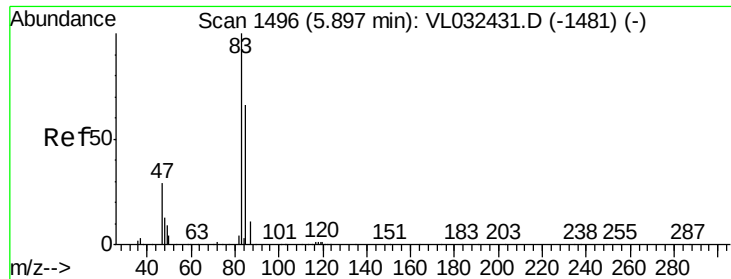
73 100

57 0.0 19.3 28.9#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

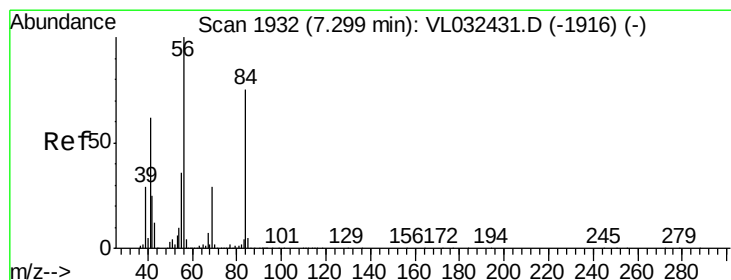
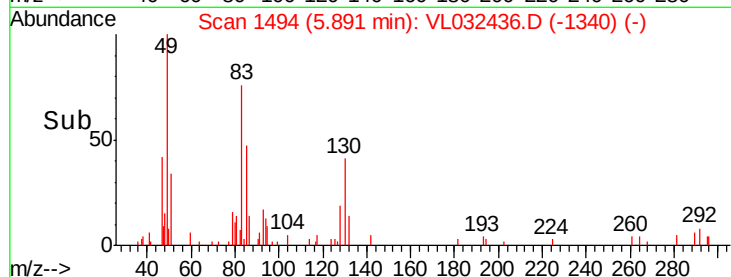
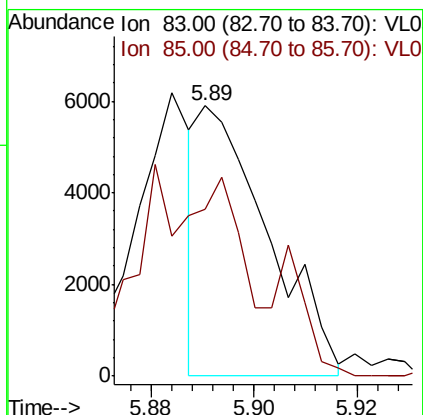
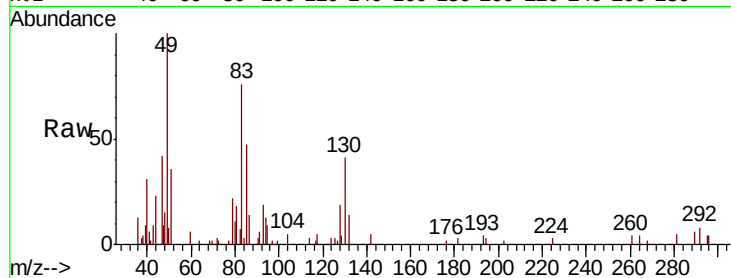




#29
Chloroform
Concen: 0.019 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

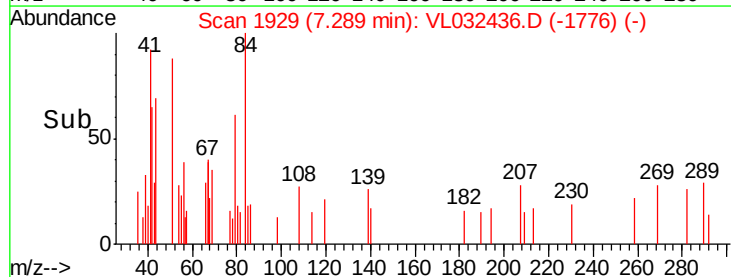
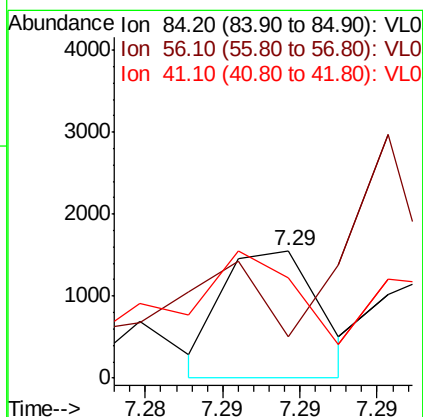
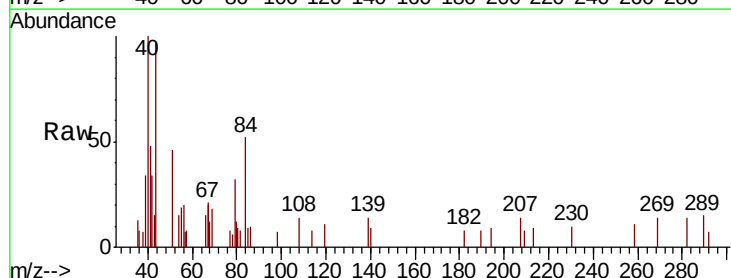
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

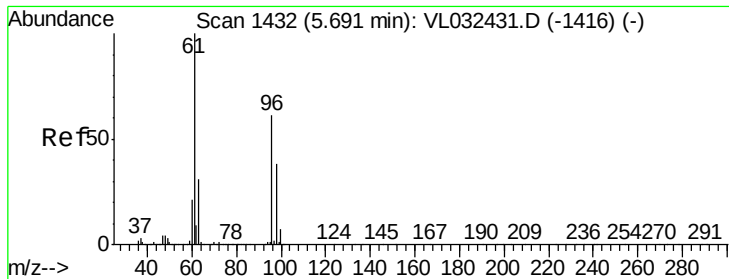
Tgt Ion: 83 Resp: 5482
Ion Ratio Lower Upper
83 100
85 61.3 52.5 78.7



#30
Cyclohexane
Concen: 0.005 ppbv
RT: 7.29 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion: 84 Resp: 678
Ion Ratio Lower Upper
84 100
56 0.0 113.5 170.3#
41 597.6 68.0 102.0#





#31

cis-1,2-Dichloroethene

Concen: 0.006 ppbv

RT: 5.69 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

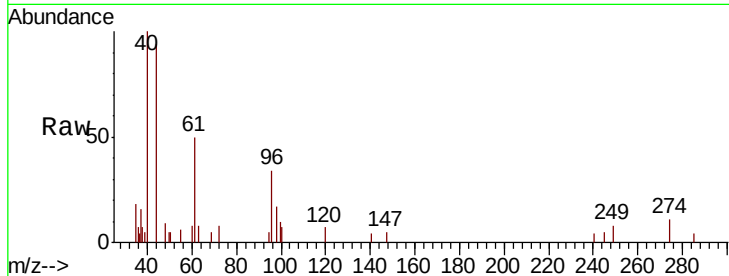
Tgt Ion: 61 Resp: 1090

Ion Ratio Lower Upper

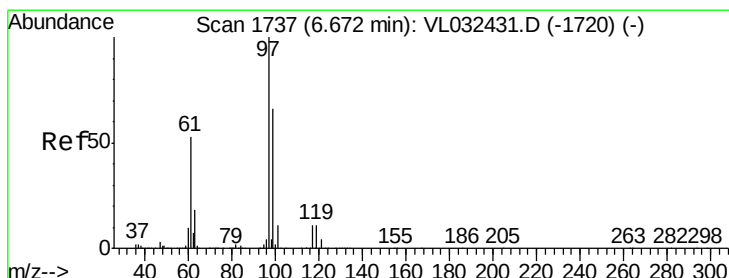
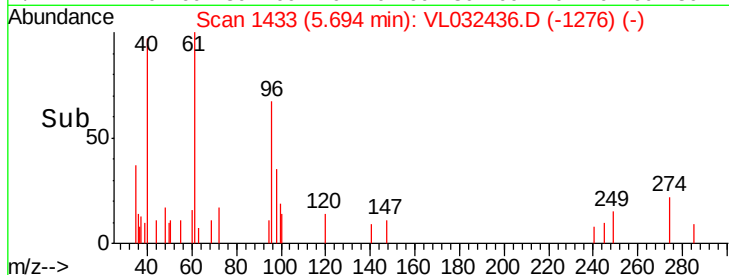
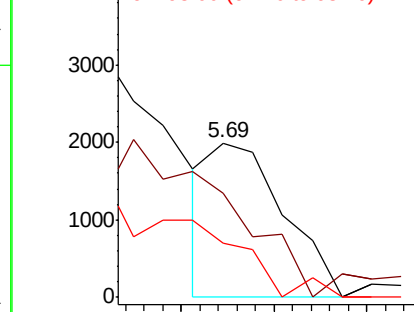
61 100

96 52.5 49.2 73.8

98 34.8 30.7 46.1



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: 0.007 ppbv

RT: 6.67 min Scan# 1735

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

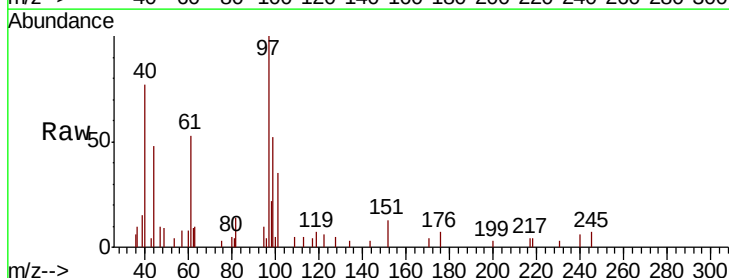
Tgt Ion: 97 Resp: 1654

Ion Ratio Lower Upper

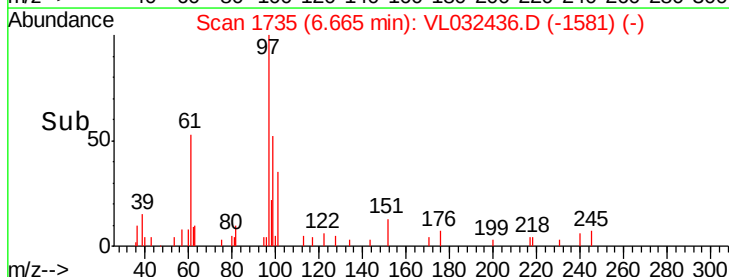
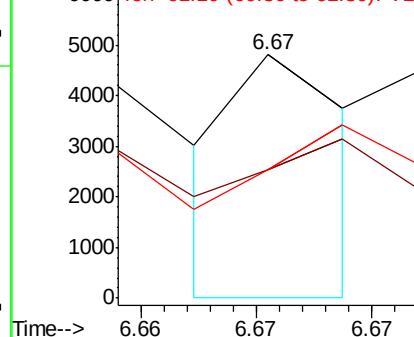
97 100

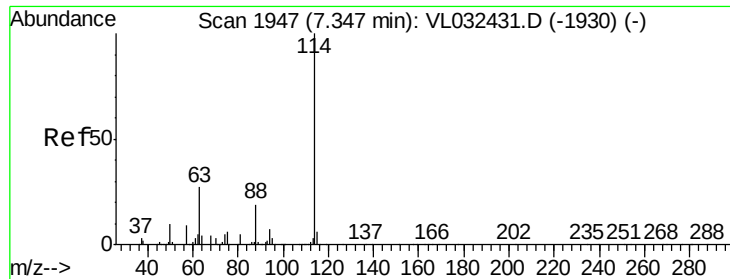
99 0.0 52.1 78.1#

61 0.0 42.6 64.0#



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

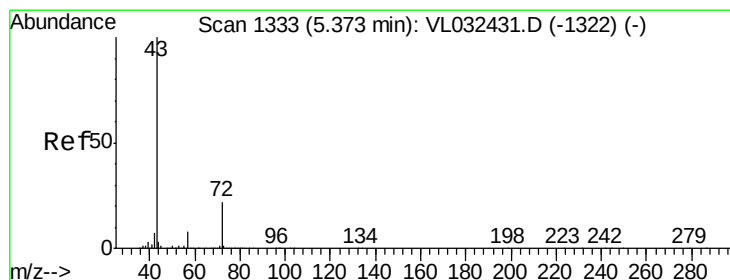
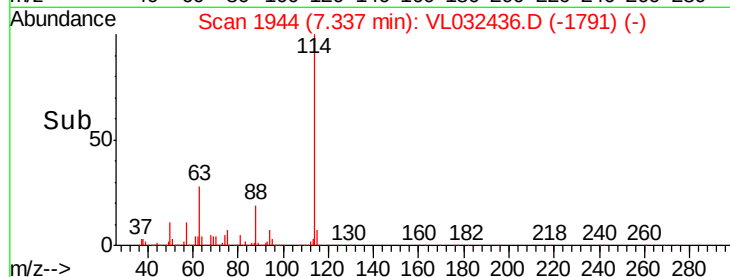
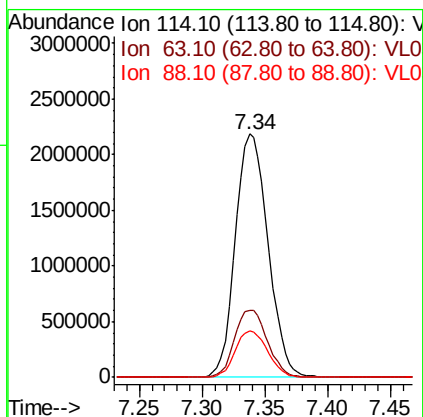
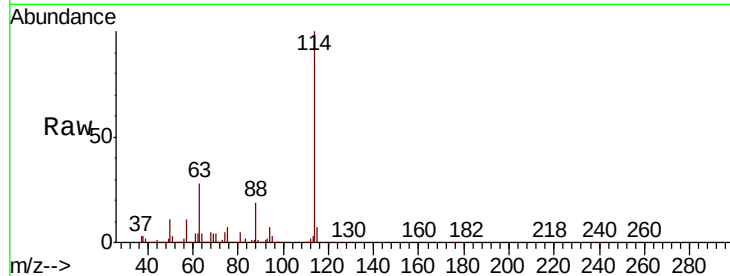




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

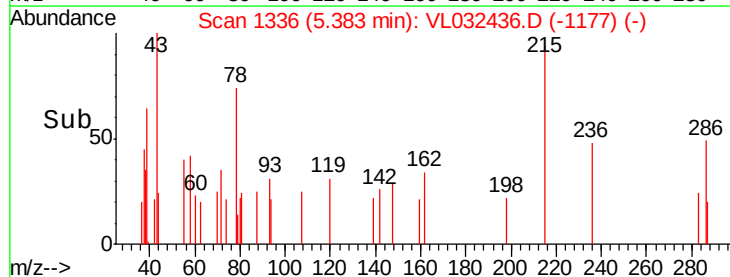
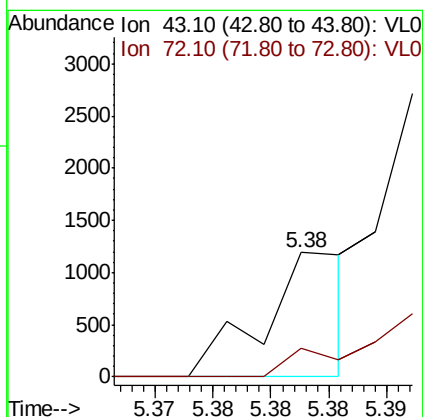
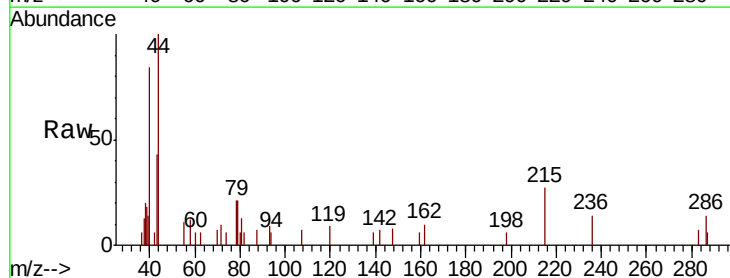
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

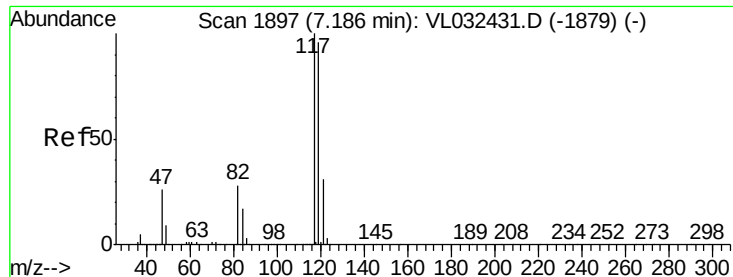
Tgt Ion: 114 Resp: 3974602
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.1 33.1
 88 19.0 15.0 22.6



#34
 2-Butanone
 Concen: 0.002 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion: 43 Resp: 617
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#

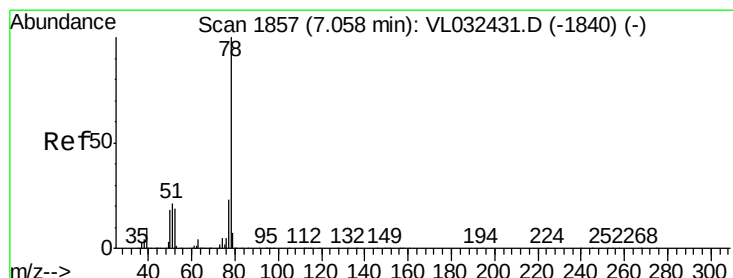
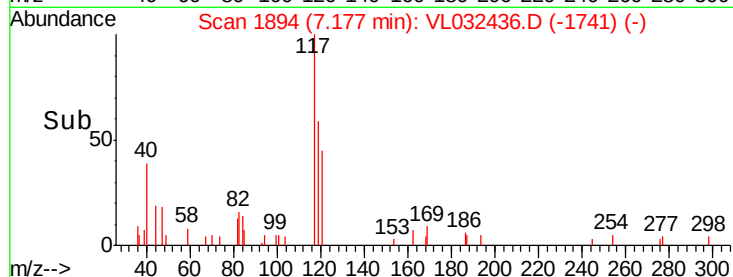
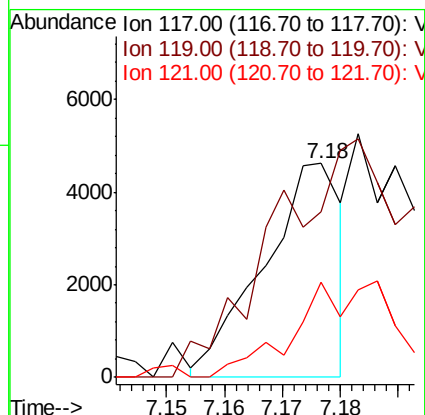
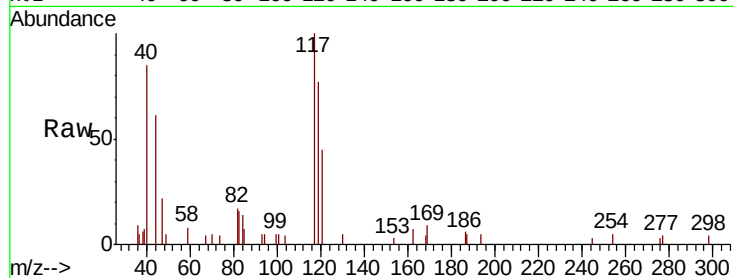




#35
Carbon Tetrachloride
Concen: 0.017 ppbv
RT: 7.18 min Scan# 1894
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

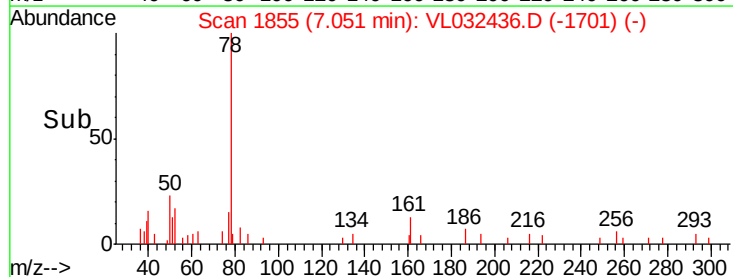
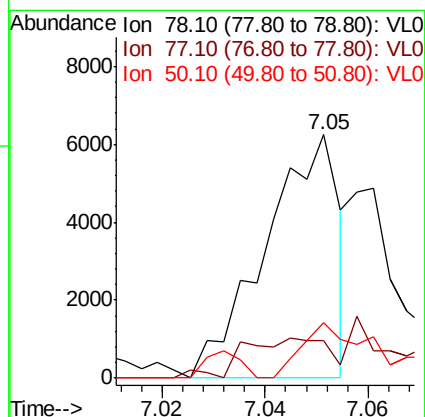
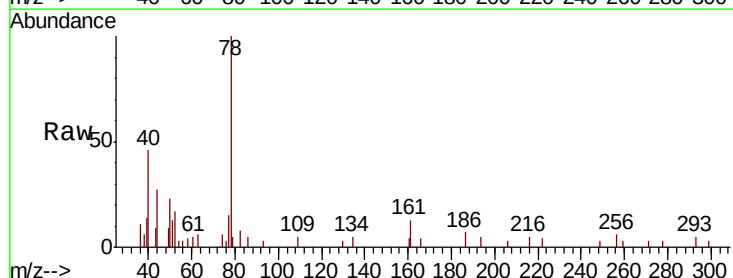
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

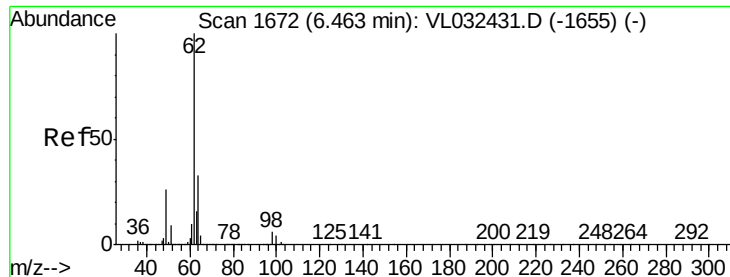
Tgt Ion:117 Resp: 4302
Ion Ratio Lower Upper
117 100
119 63.3 76.6 115.0#
121 46.7 24.6 36.8#



#36
Benzene
Concen: 0.019 ppbv
RT: 7.05 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion: 78 Resp: 6168
Ion Ratio Lower Upper
78 100
77 12.2 18.4 27.6#
50 22.9 14.4 21.6#

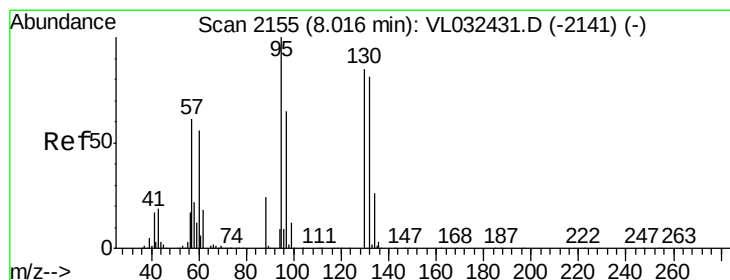
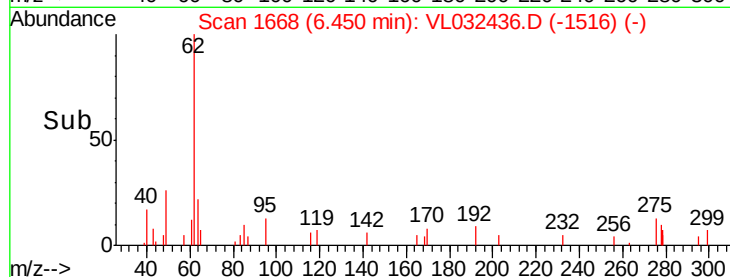
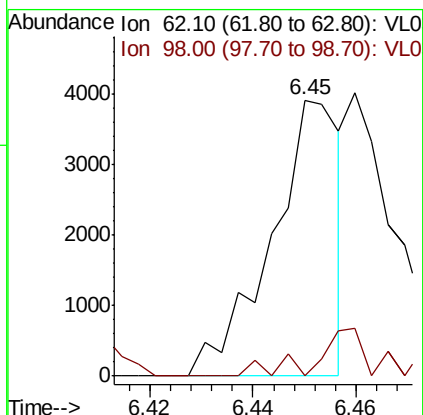
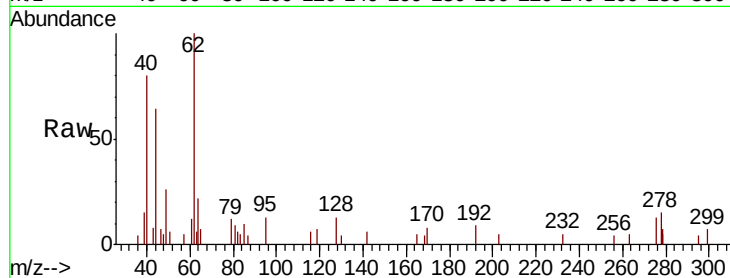




#37
 1,2-Dichloroethane
 Concen: 0.018 ppbv
 RT: 6.45 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

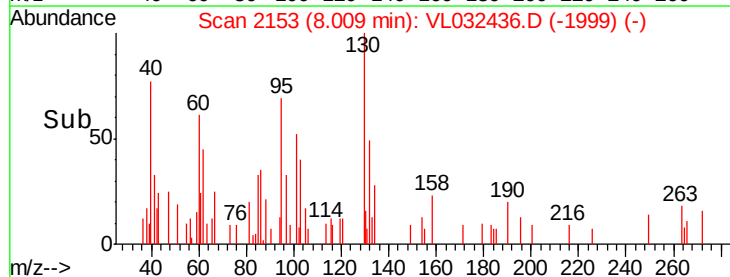
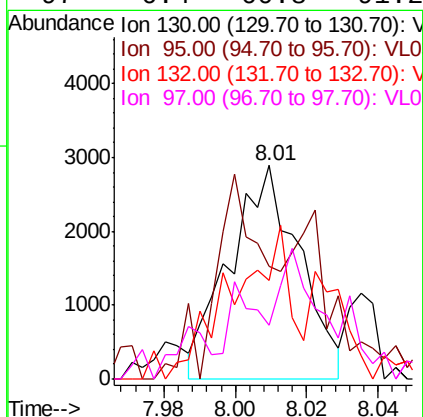
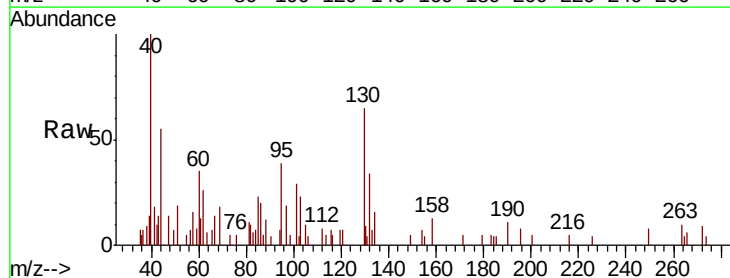
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

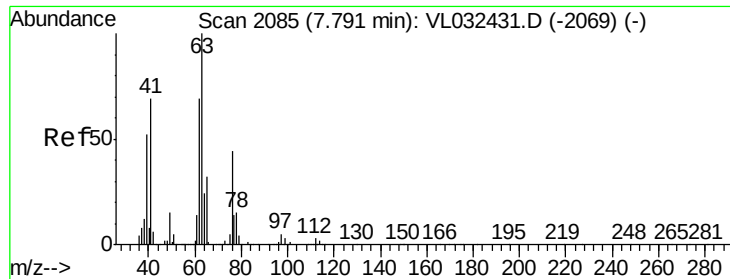
Tgt Ion: 62 Resp: 3609
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.0 7.6#



#38
 Trichloroethene
 Concen: 0.036 ppbv
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion: 130 Resp: 3919
 Ion Ratio Lower Upper
 130 100
 95 20.1 94.2 141.4#
 132 42.7 76.2 114.4#
 97 6.4 60.8 91.2#





#39

1,2-Dichloropropane

Concen: 7.953 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

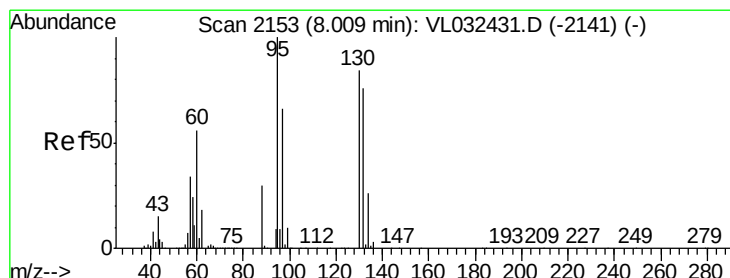
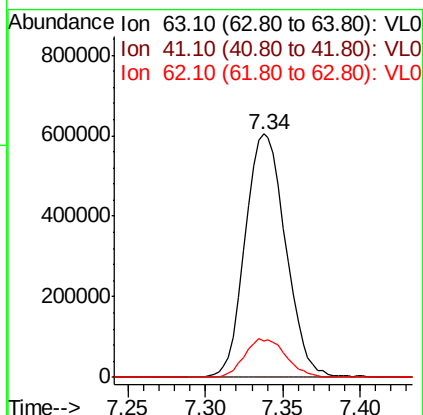
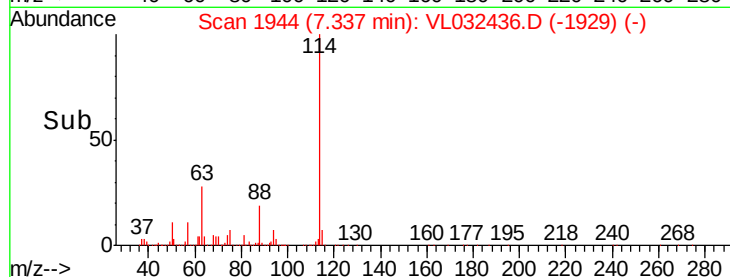
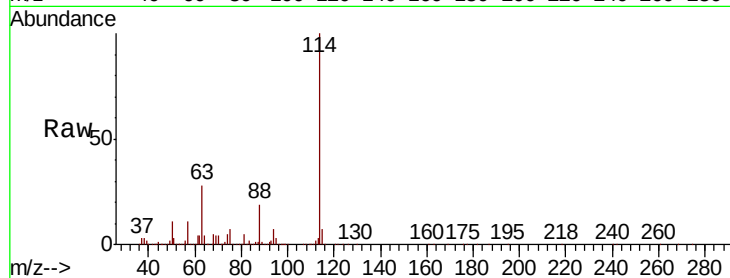
Tgt Ion: 63 Resp: 1099286

Ion Ratio Lower Upper

63 100

41 0.1 55.4 83.0#

62 14.9 55.4 83.0#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion: 88 Resp: 138

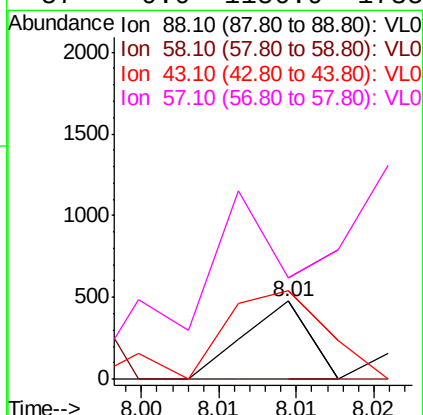
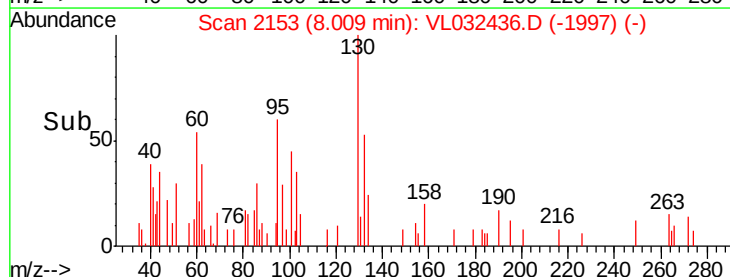
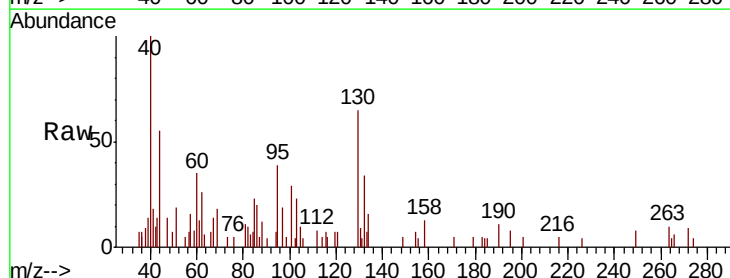
Ion Ratio Lower Upper

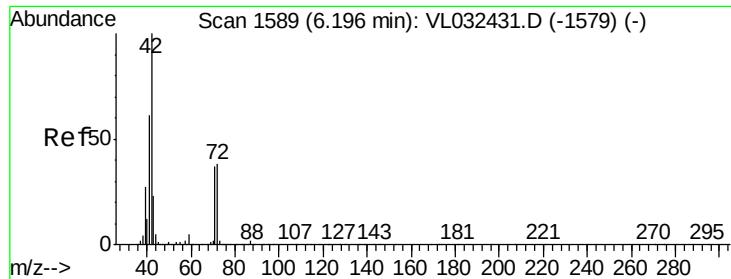
88 100

58 0.0 119.7 179.5#

43 0.0 253.0 379.4#

57 0.0 1156.9 1735.3#

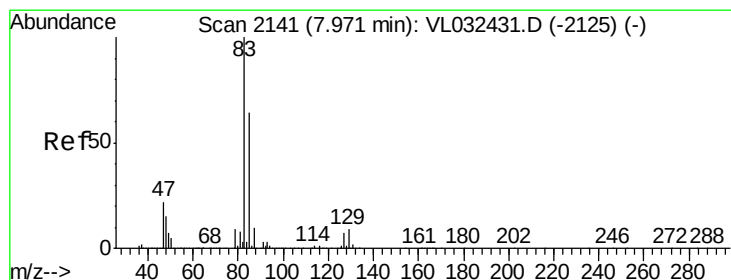
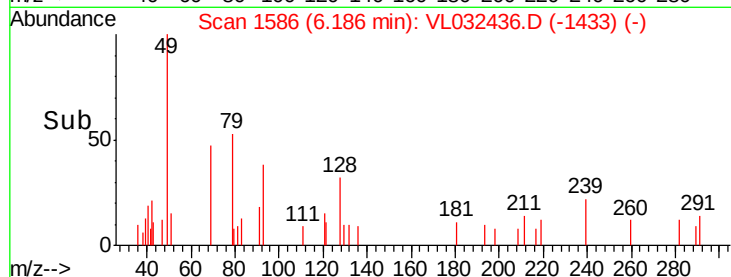
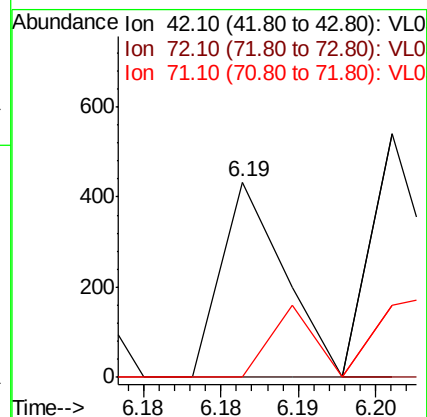
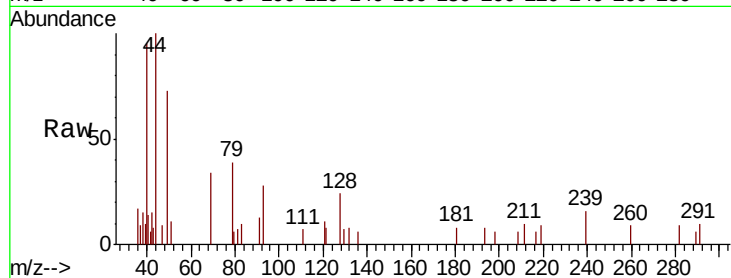




#41
Tetrahydrofuran
Concen: 0.001 ppbv
RT: 6.19 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

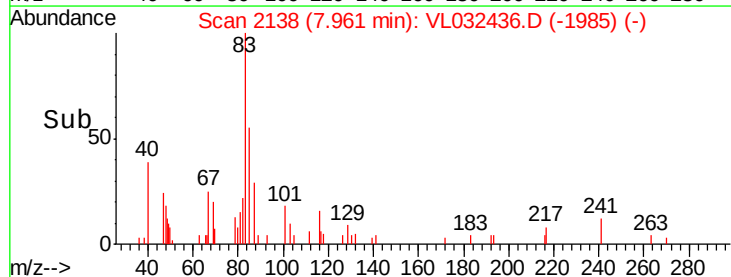
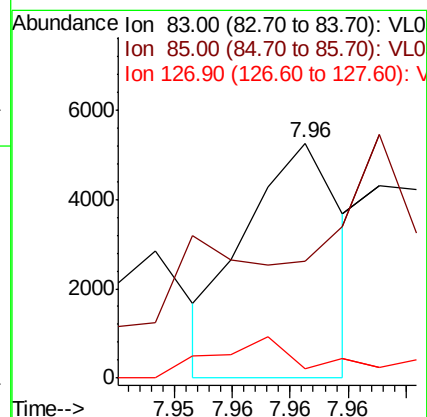
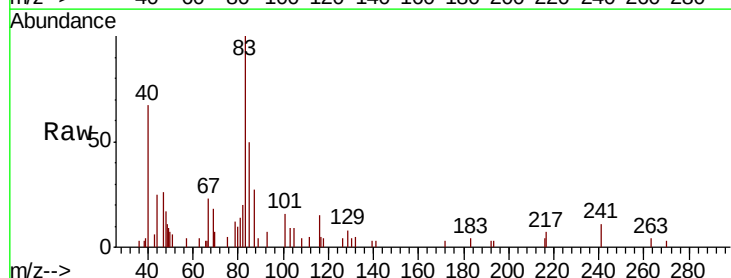
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

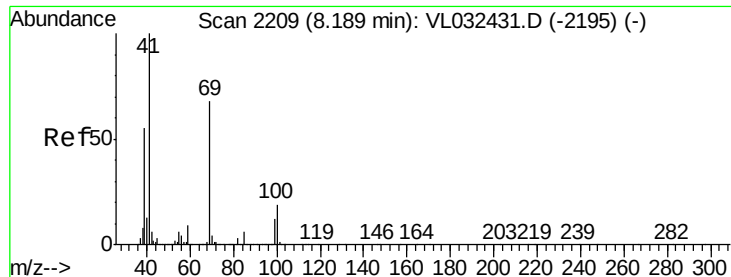
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.5	44.3#
71	0.0	28.3	42.5#



#42
Bromodichloromethane
Concen: 0.011 ppbv
RT: 7.96 min Scan# 2138
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.1	76.7#
127	0.0	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 8.18 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

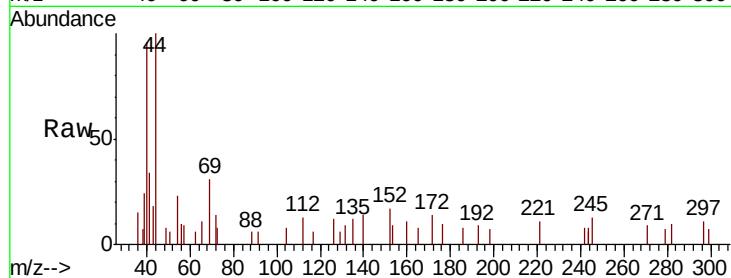
Tgt Ion: 69 Resp: 354

Ion Ratio Lower Upper

69 100

41 0.0 117.2 175.8#

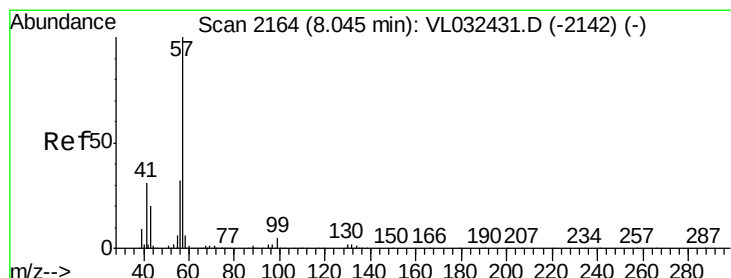
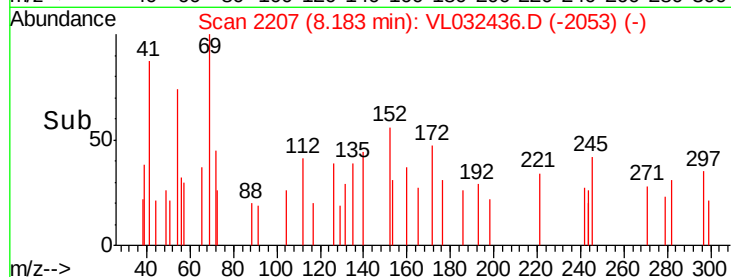
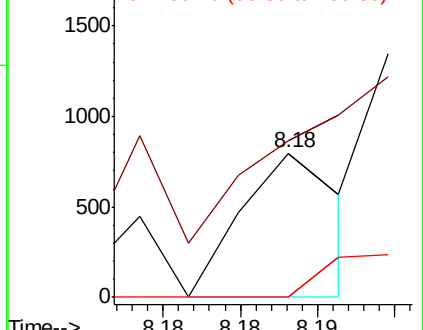
100 0.0 23.4 35.2#



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: 0.006 ppbv

RT: 8.03 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

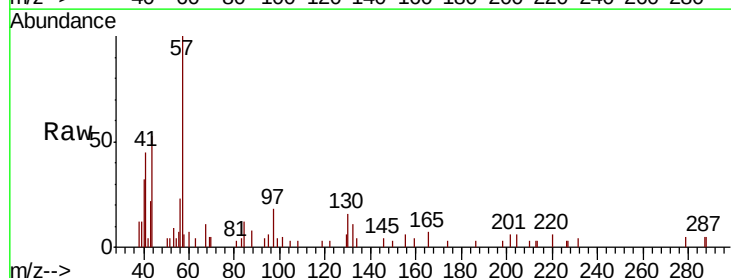
Tgt Ion: 57 Resp: 3830

Ion Ratio Lower Upper

57 100

41 0.0 24.3 36.5#

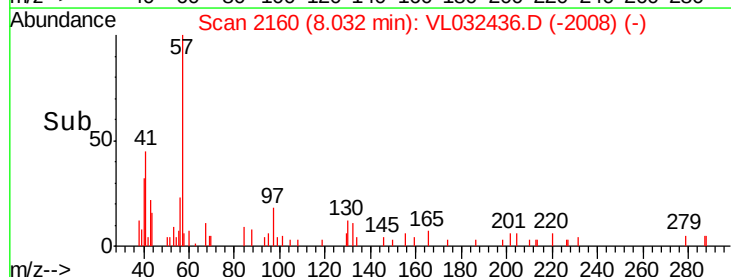
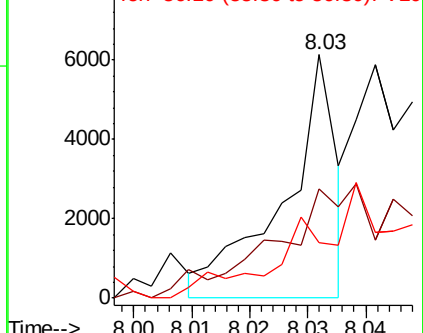
56 0.0 25.7 38.5#

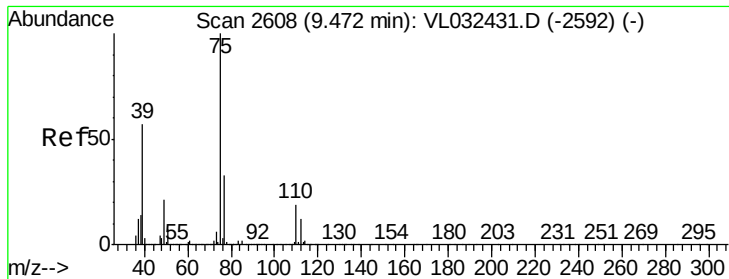


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 9.46 min Scan# 2605

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

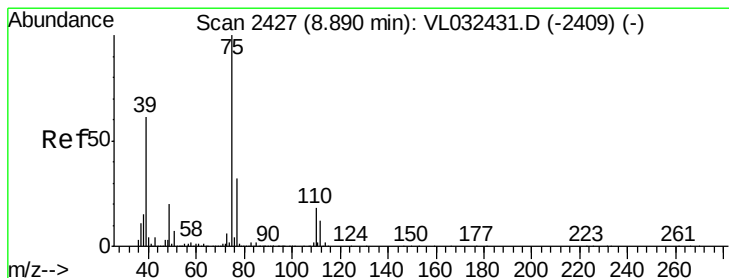
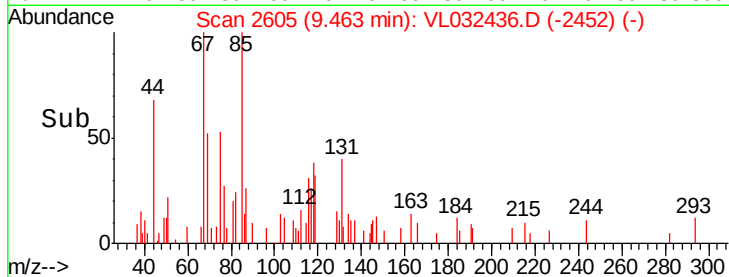
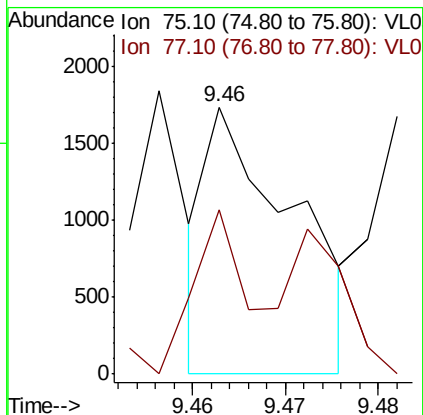
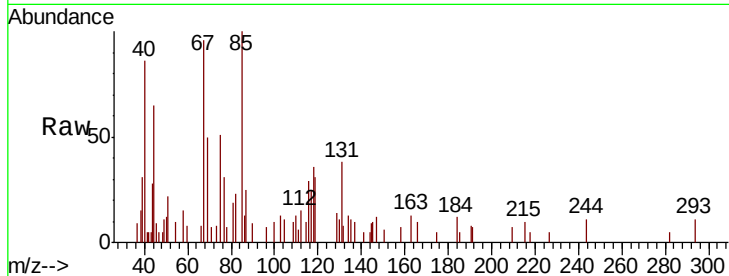
VSTDIC0.03

Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

77 61.5 26.2 39.2#



#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.91 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

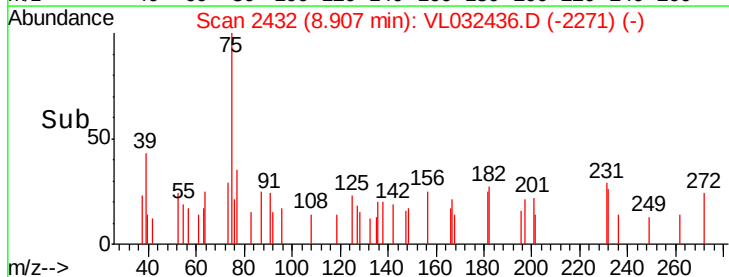
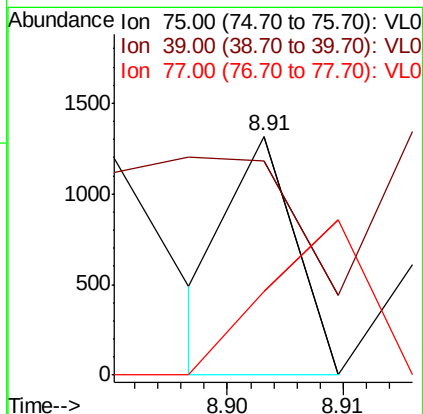
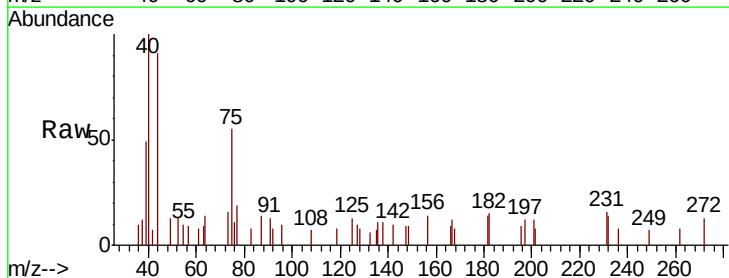
Tgt Ion: 75 Resp: 254

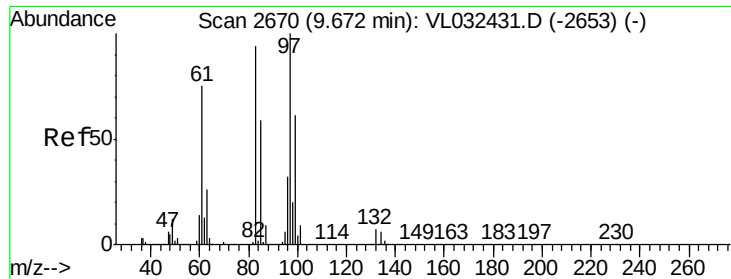
Ion Ratio Lower Upper

75 100

39 56.2 48.9 73.3

77 34.9 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 0.034 ppbv

RT: 9.67 min Scan# 2668

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 4981

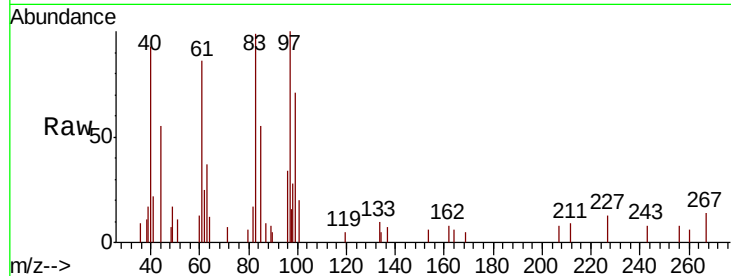
Ion Ratio Lower Upper

97 100

83 85.8 75.0 112.4

85 27.6 47.5 71.3#

99 61.2 49.0 73.6

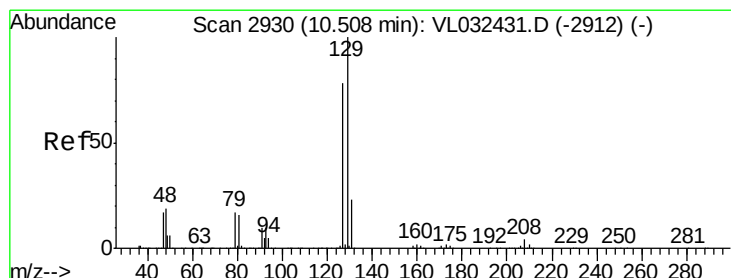
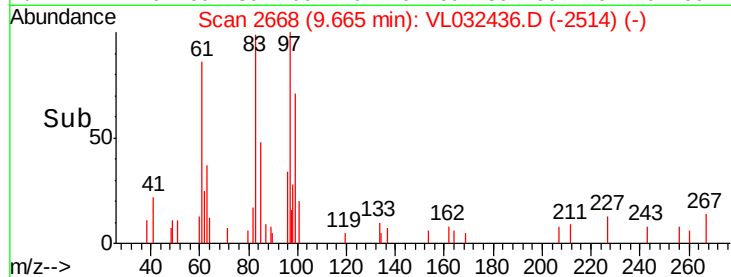
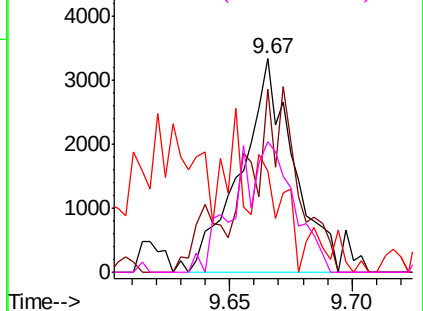


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.015 ppbv

RT: 10.50 min Scan# 2927

Delta R.T. -0.01 min

Lab File: VL032436.D

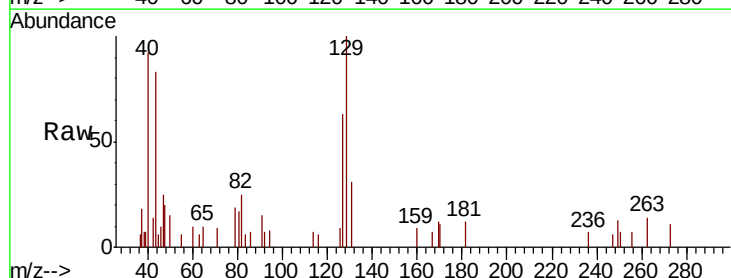
Acq: 31 Aug 2018 3:46

Tgt Ion: 129 Resp: 3101

Ion Ratio Lower Upper

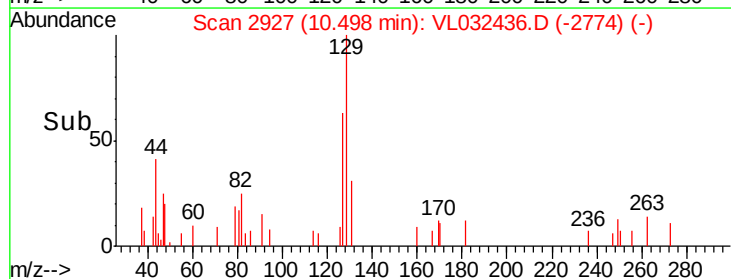
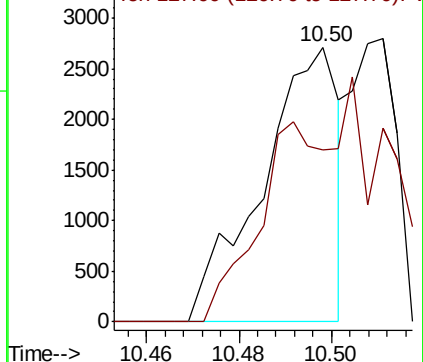
129 100

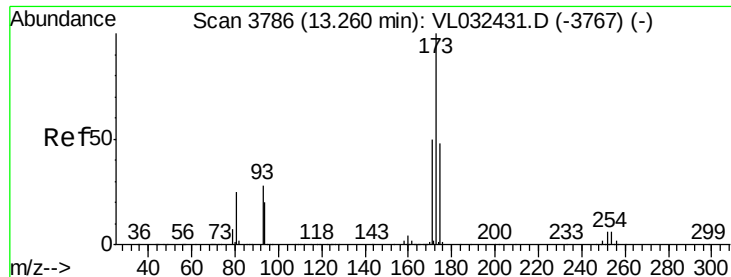
127 0.0 39.5 118.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.014 ppbv

RT: 13.25 min Scan# 3783

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

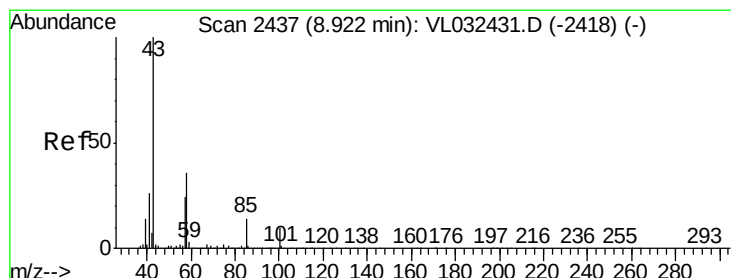
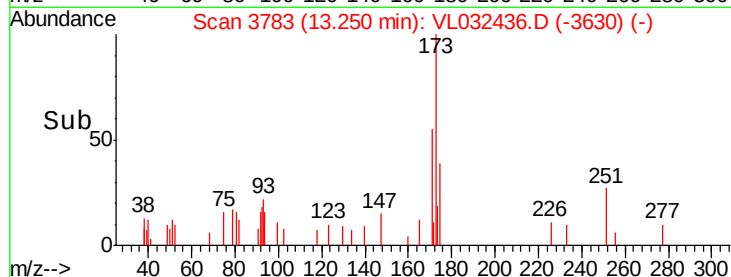
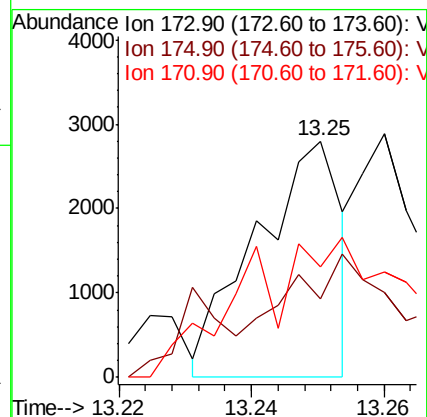
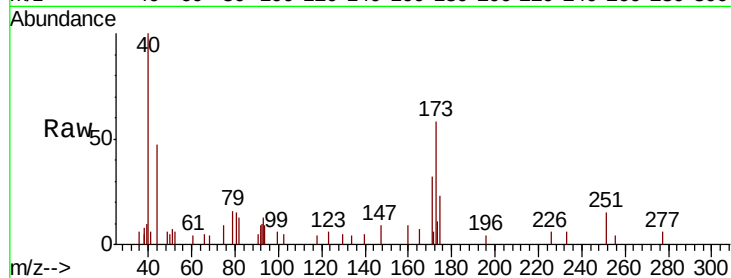
Tgt Ion:173 Resp: 2490

Ion Ratio Lower Upper

173 100

175 114.5 38.9 58.3#

171 128.9 41.6 62.4#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.01 min

Lab File: VL032436.D

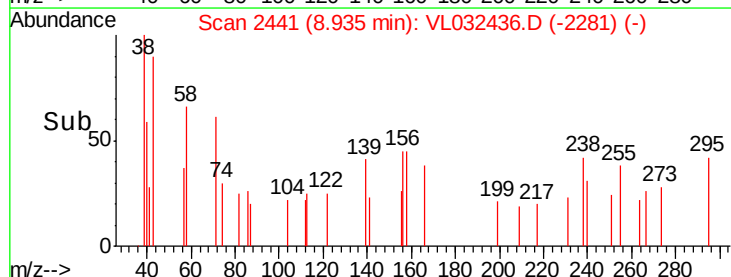
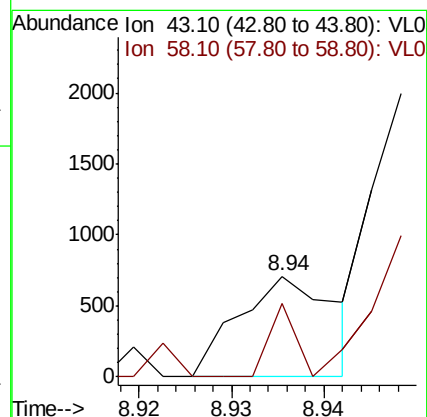
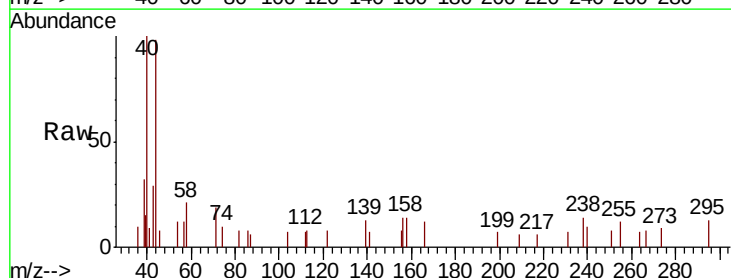
Acq: 31 Aug 2018 3:46

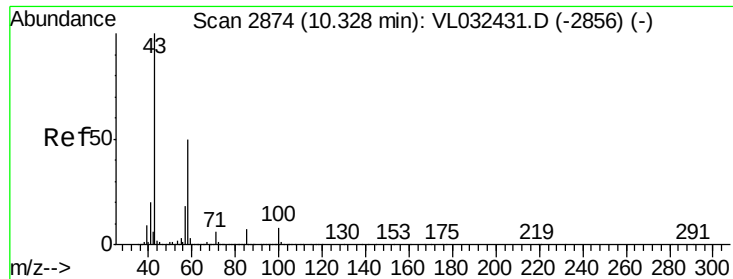
Tgt Ion: 43 Resp: 509

Ion Ratio Lower Upper

43 100

58 0.0 28.9 43.3#

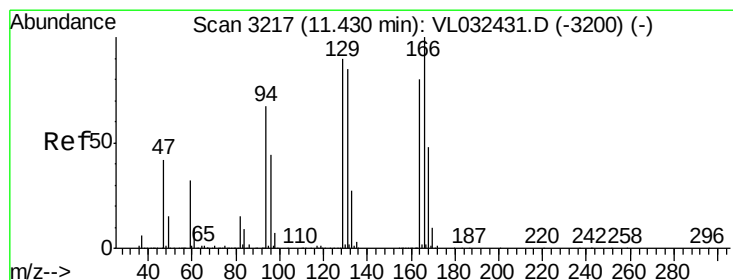
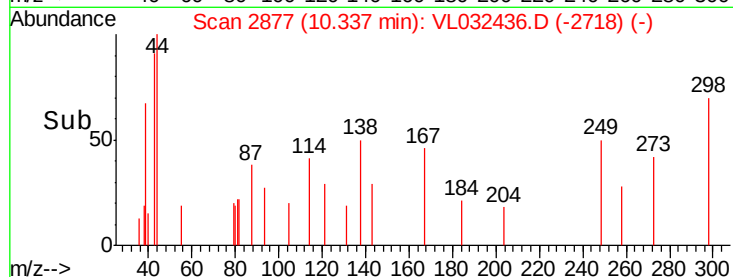
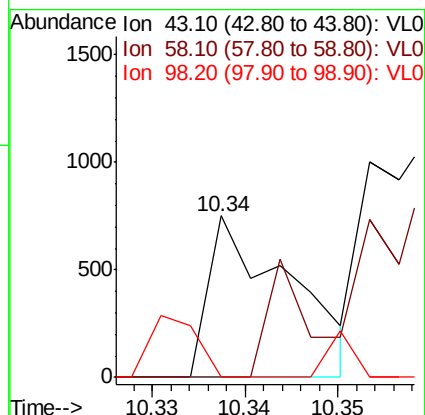
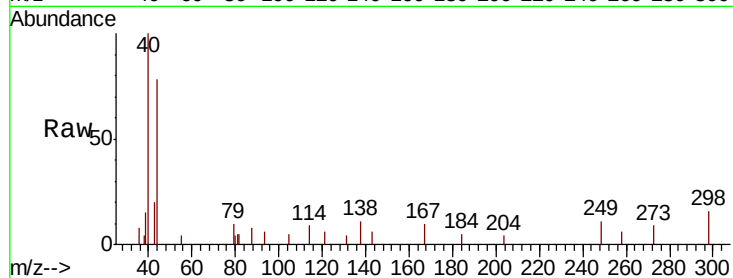




#51
2-Hexanone
Concen: 0.002 ppbv
RT: 10.34 min Scan# 2877
Delta R.T. 0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

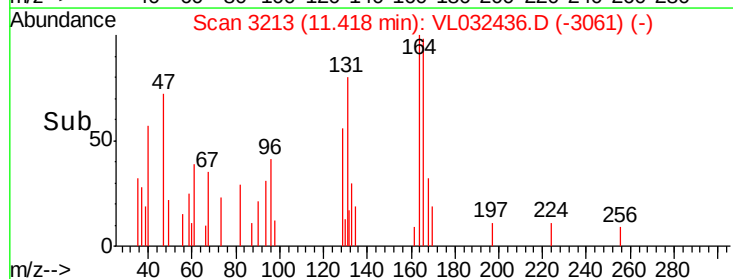
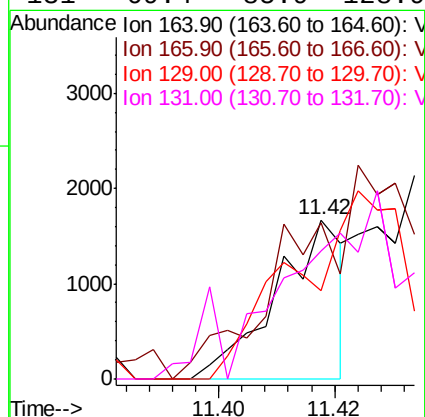
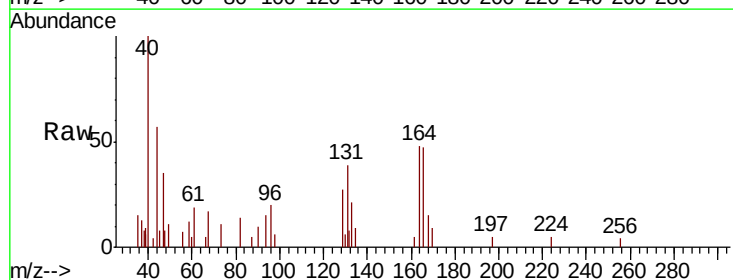
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

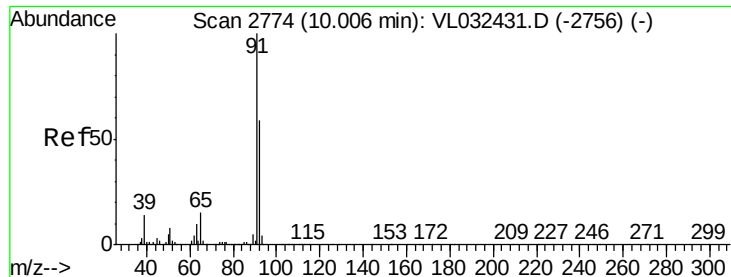
Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
58 17.5 39.2 58.8#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.014 ppbv
RT: 11.42 min Scan# 3213
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion: 164 Resp: 1336
Ion Ratio Lower Upper
164 100
166 88.0 100.6 150.8#
129 55.7 89.9 134.9#
131 69.4 85.9 128.9#





#53

Toluene

Concen: 0.010 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

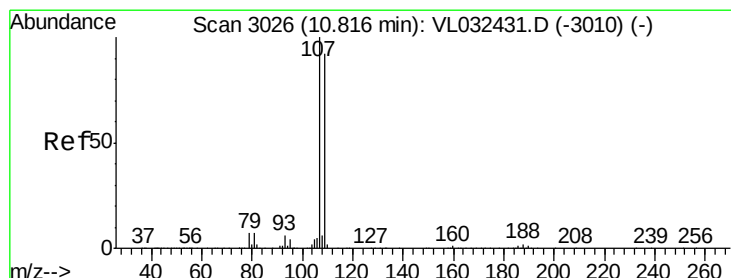
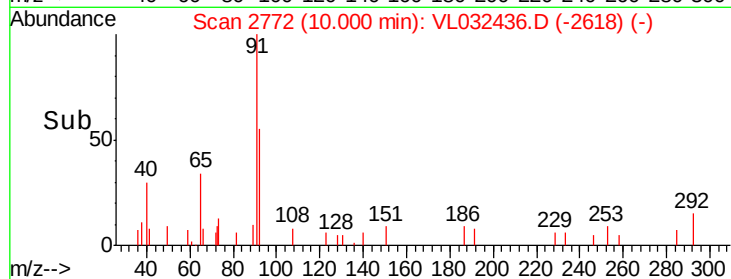
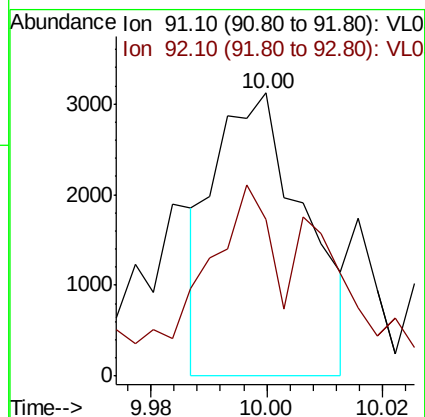
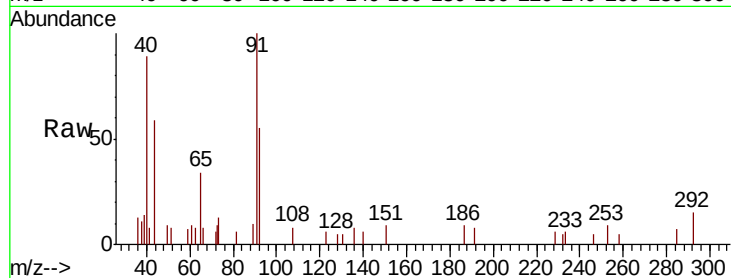
VSTDIC0.03

Tgt Ion: 91 Resp: 3337

Ion Ratio Lower Upper

91 100

92 99.2 48.1 72.1#



#54

1,2-Dibromoethane

Concen: 0.008 ppbv

RT: 10.81 min Scan# 3023

Delta R.T. -0.01 min

Lab File: VL032436.D

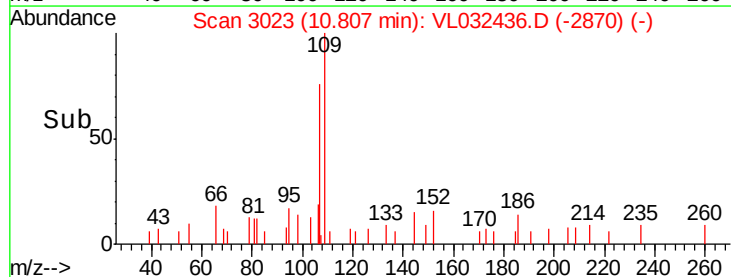
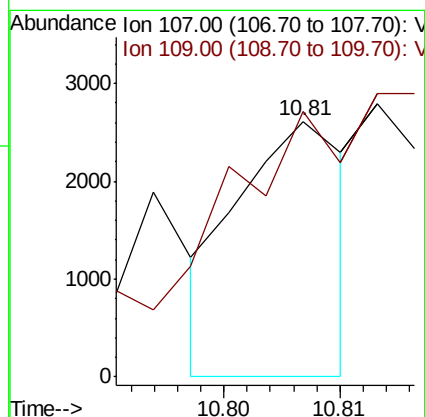
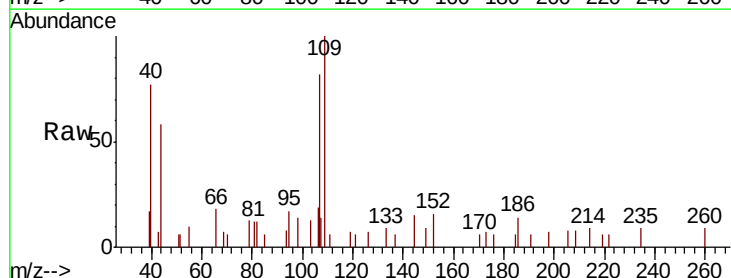
Acq: 31 Aug 2018 3:46

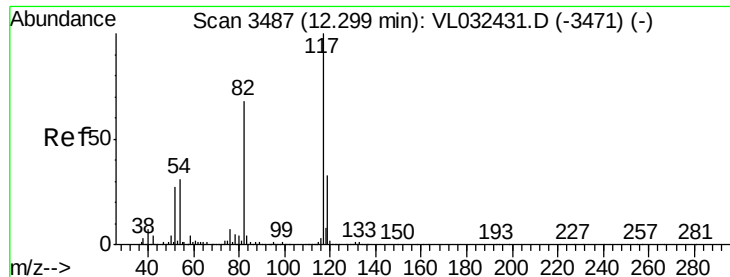
Tgt Ion: 107 Resp: 1696

Ion Ratio Lower Upper

107 100

109 113.9 73.9 110.9#

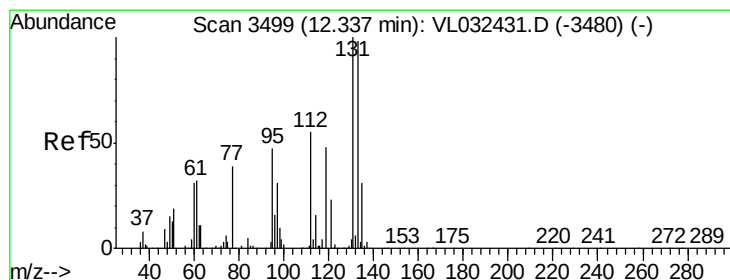
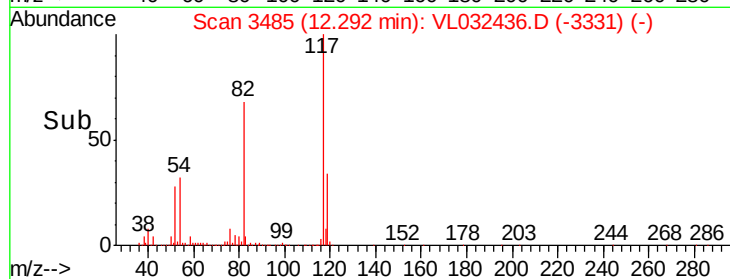
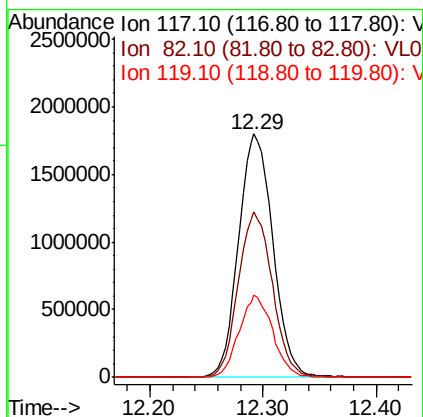
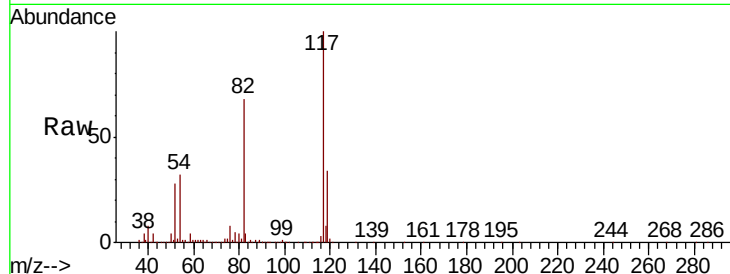




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

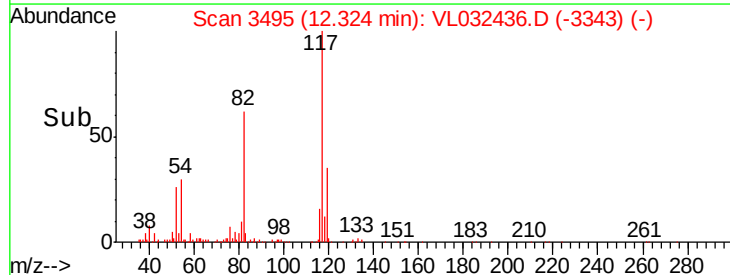
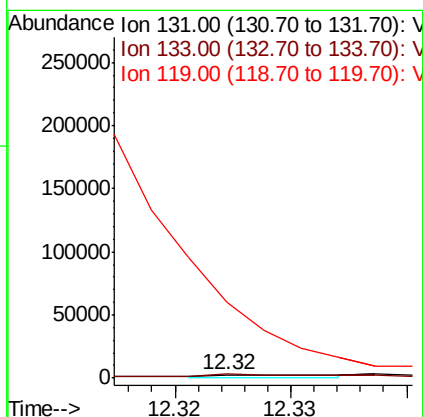
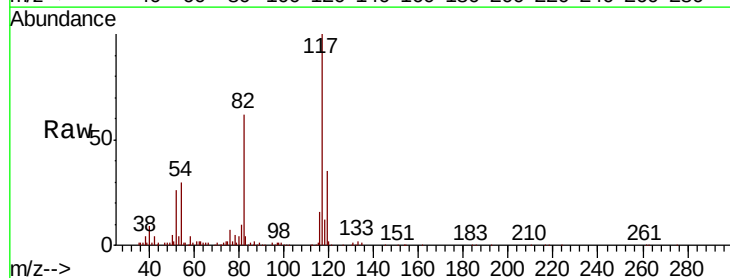
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

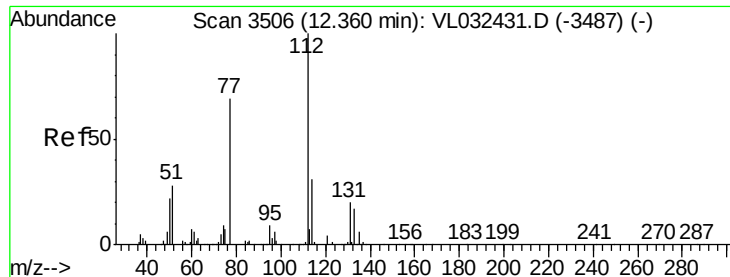
Tgt Ion:117 Resp: 3813408
Ion Ratio Lower Upper
117 100
82 67.8 51.5 77.3
119 33.1 44.6 66.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.011 ppbv
RT: 12.32 min Scan# 3495
Delta R.T. -0.01 min
Lab File: VL032436.D
Acq: 31 Aug 2018 3:46

Tgt Ion:131 Resp: 1729
Ion Ratio Lower Upper
131 100
133 365.9 77.0 115.4#
119 0.0 48.9 73.3#





#57

Chlorobenzene

Concen: 0.024 ppbv

RT: 12.35 min Scan# 3503

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

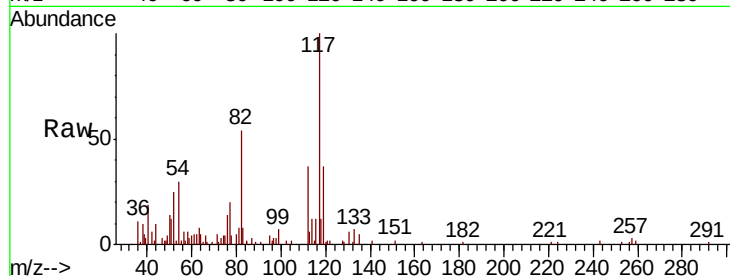
Tgt Ion: 112 Resp: 6940

Ion Ratio Lower Upper

112 100

77 42.3 56.1 84.1#

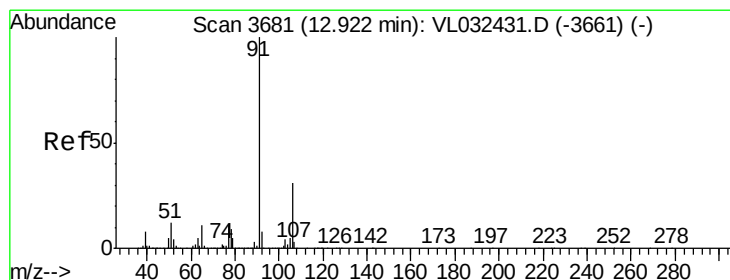
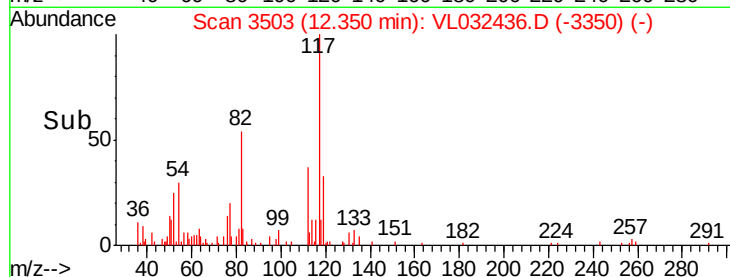
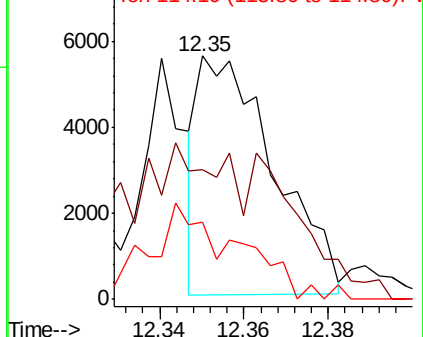
114 28.0 27.8 34.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.006 ppbv

RT: 12.91 min Scan# 3678

Delta R.T. -0.01 min

Lab File: VL032436.D

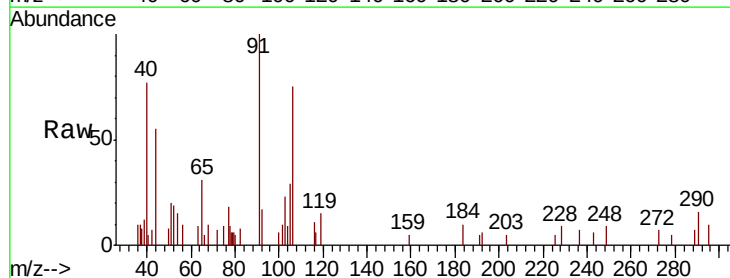
Acq: 31 Aug 2018 3:46

Tgt Ion: 91 Resp: 2656

Ion Ratio Lower Upper

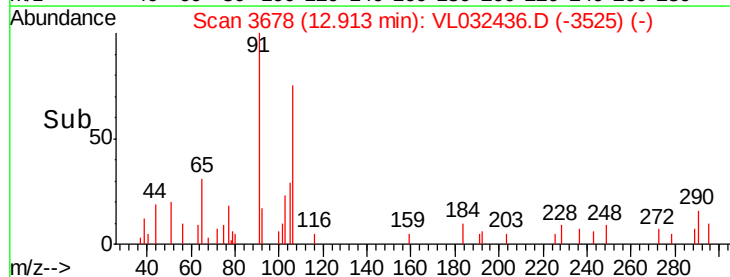
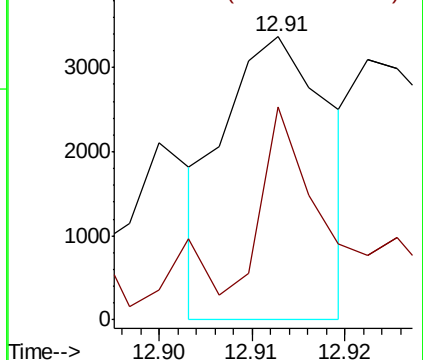
91 100

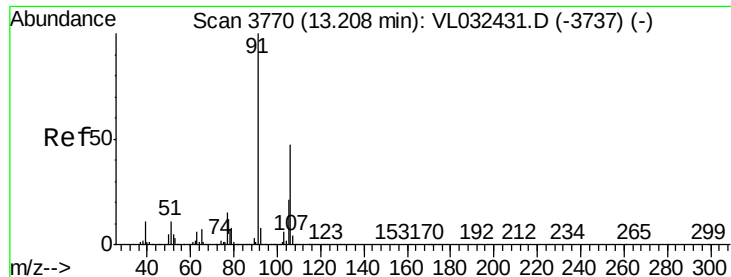
106 105.1 24.8 37.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.005 ppbv

RT: 13.19 min Scan# 3765

Delta R.T. -0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

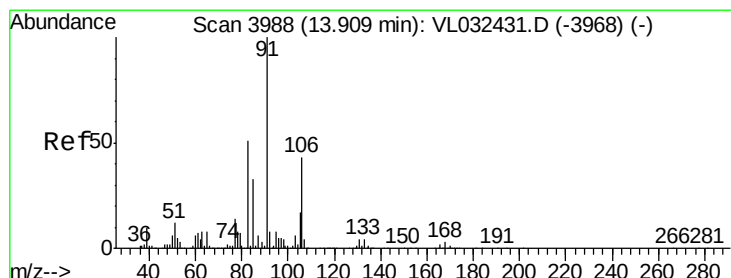
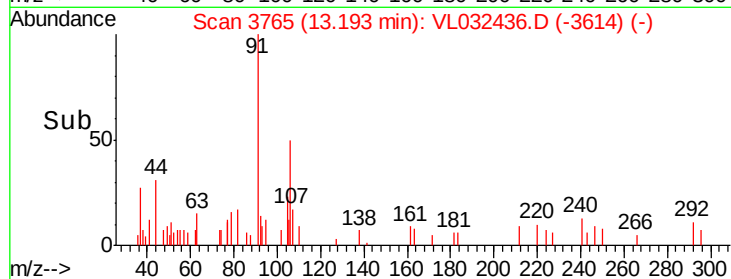
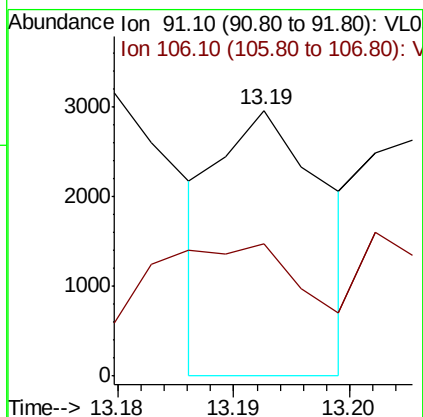
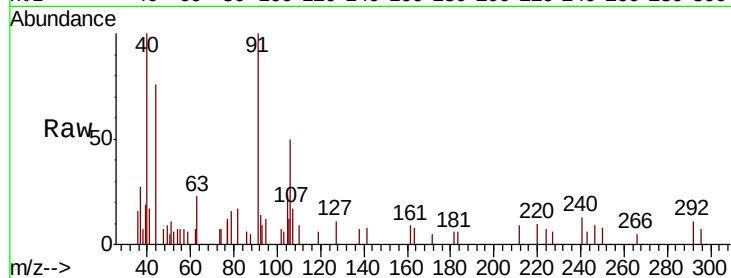
VSTDIC0.03

Tgt Ion: 91 Resp: 1889

Ion Ratio Lower Upper

91 100

106 0.0 35.0 52.6#



#60

o-Xylene

Concen: 0.006 ppbv

RT: 13.90 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL032436.D

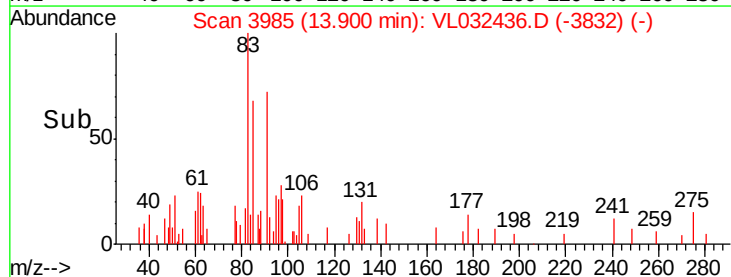
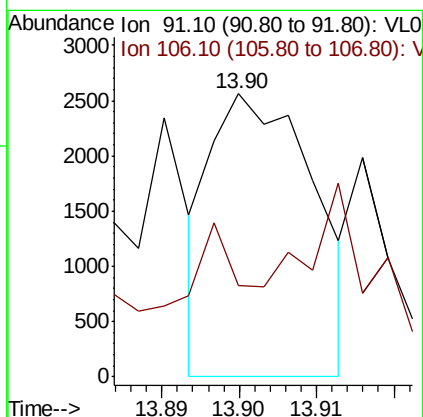
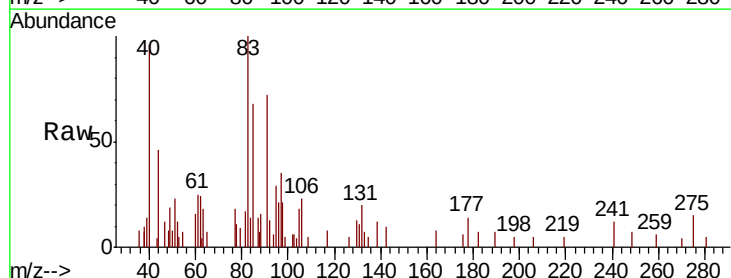
Acq: 31 Aug 2018 3:46

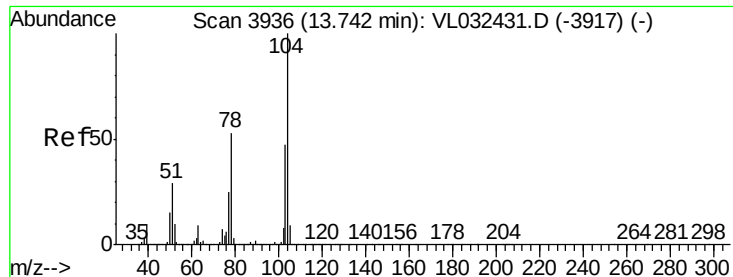
Tgt Ion: 91 Resp: 2382

Ion Ratio Lower Upper

91 100

106 0.0 21.9 65.7#





#61

Styrene

Concen: 0.005 ppbv

RT: 13.74 min Scan# 3934

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

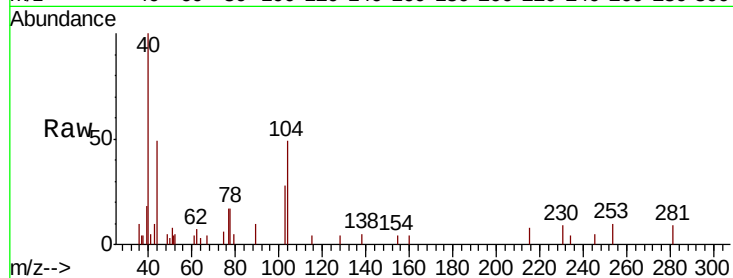
Tgt Ion:104 Resp: 1268

Ion Ratio Lower Upper

104 100

78 185.1 41.8 62.8#

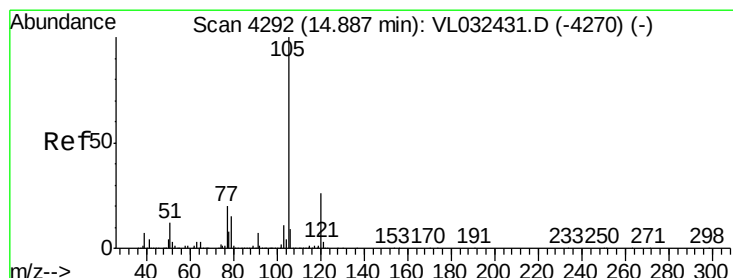
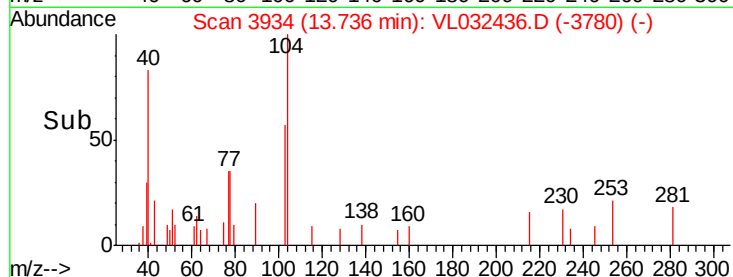
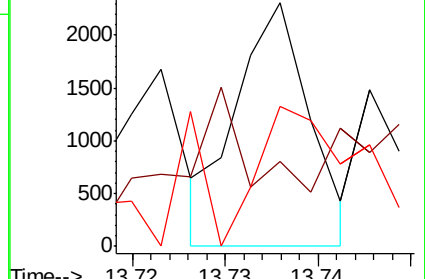
103 149.2 38.0 57.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.011 ppbv

RT: 14.88 min Scan# 4290

Delta R.T. -0.01 min

Lab File: VL032436.D

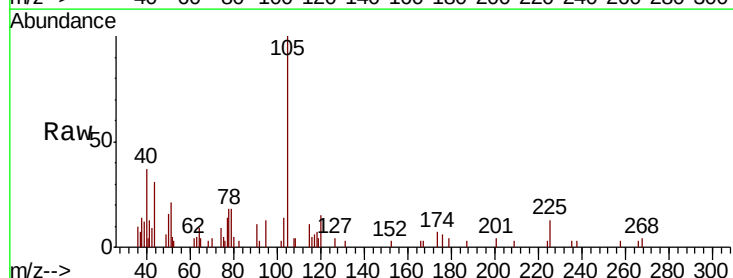
Acq: 31 Aug 2018 3:46

Tgt Ion:105 Resp: 6017

Ion Ratio Lower Upper

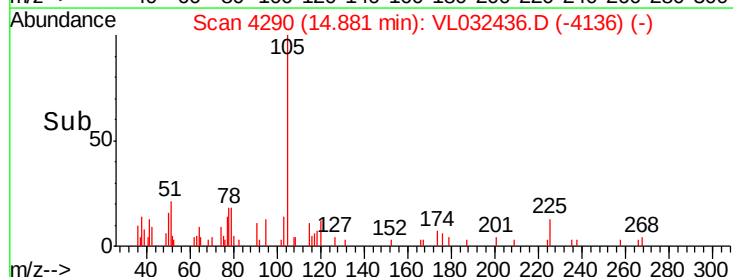
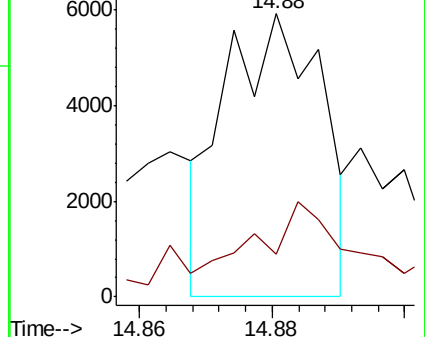
105 100

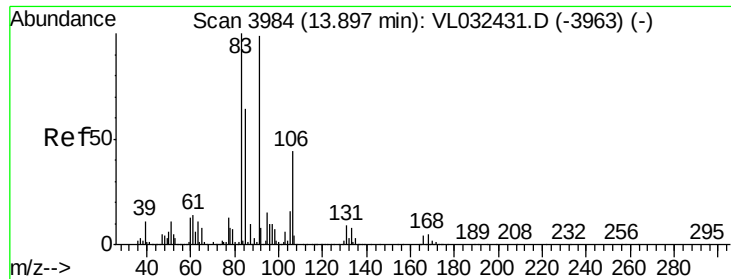
120 47.7 20.6 31.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.017 ppbv

RT: 13.89 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

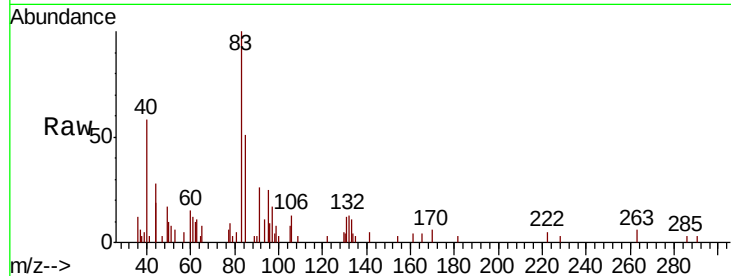
Tgt Ion: 83 Resp: 5597

Ion Ratio Lower Upper

83 100

131 15.7 4.3 12.8#

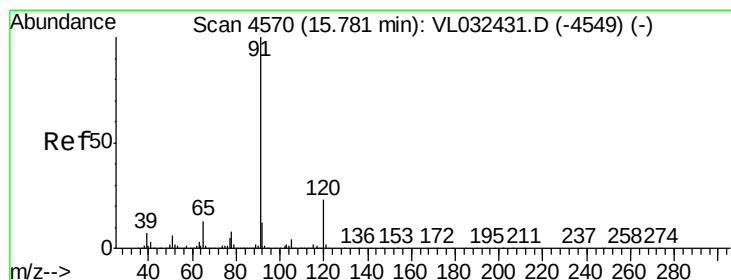
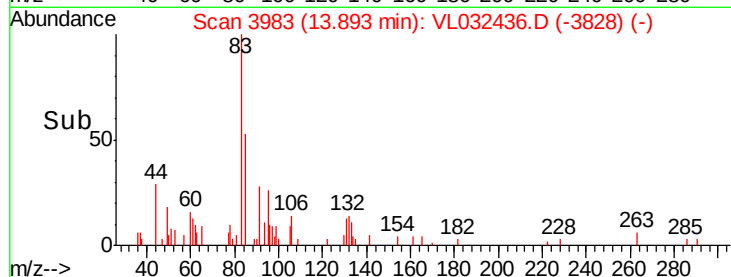
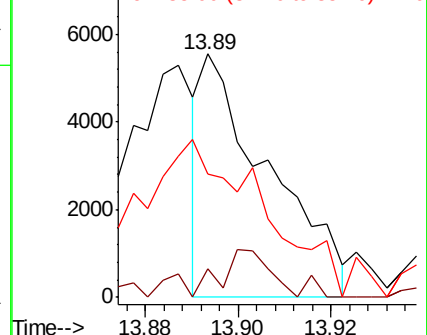
85 145.9 32.3 96.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.004 ppbv

RT: 15.77 min Scan# 4568

Delta R.T. -0.01 min

Lab File: VL032436.D

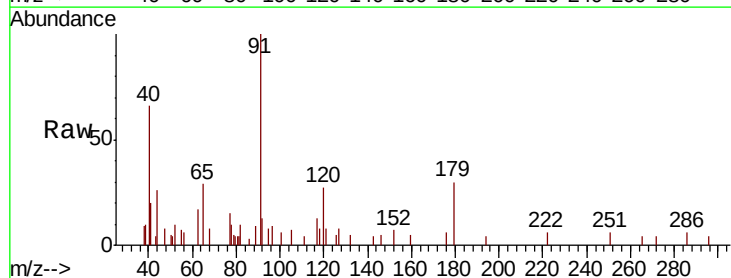
Acq: 31 Aug 2018 3:46

Tgt Ion: 120 Resp: 571

Ion Ratio Lower Upper

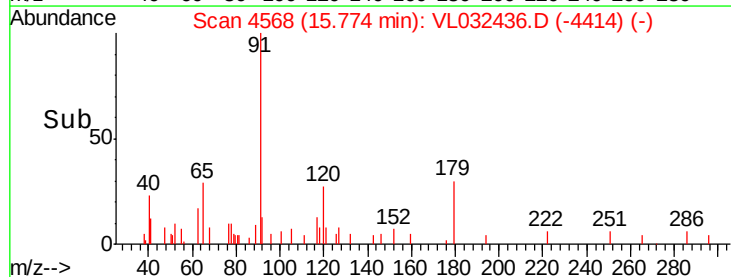
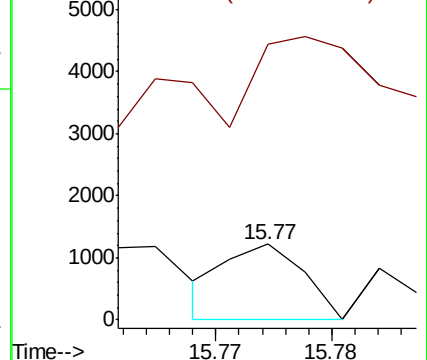
120 100

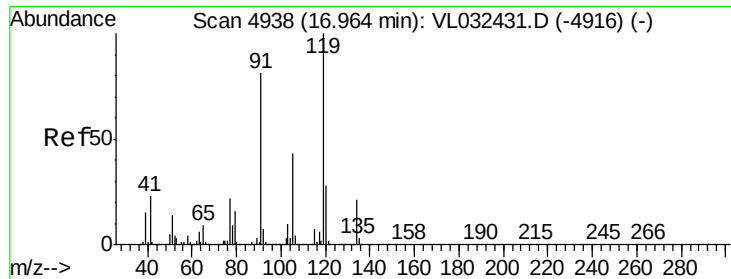
91 1945.4 381.8 572.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

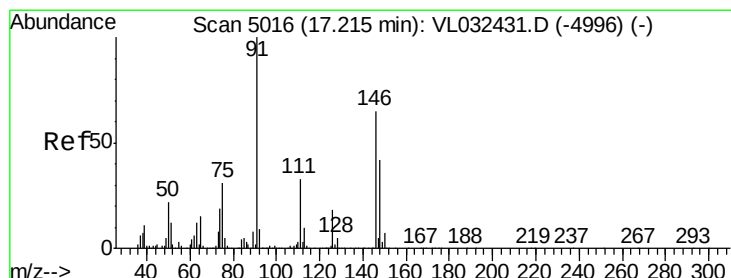
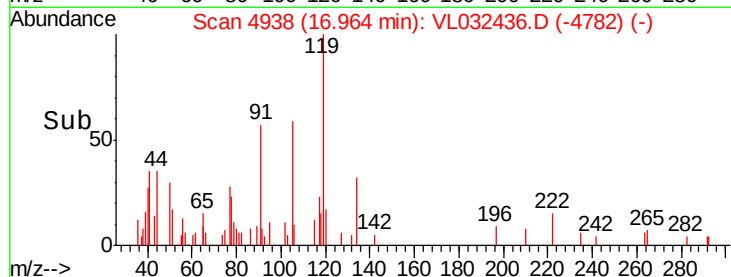
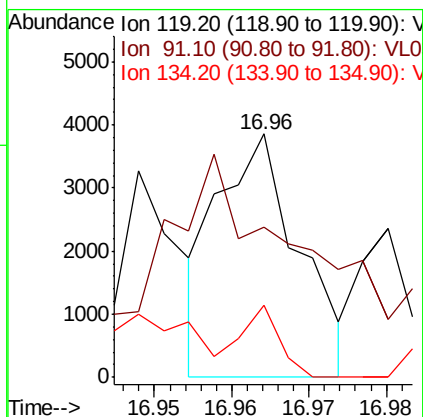
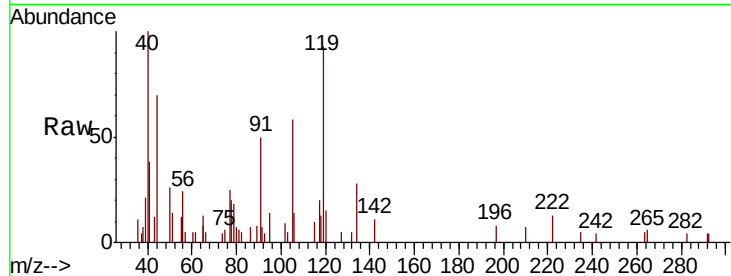




#65
 tert-Butylbenzene
 Concen: 0.006 ppbv
 RT: 16.96 min Scan# 4938
 Delta R.T. 0.00 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

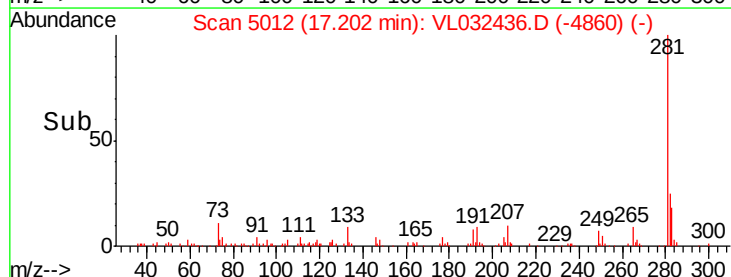
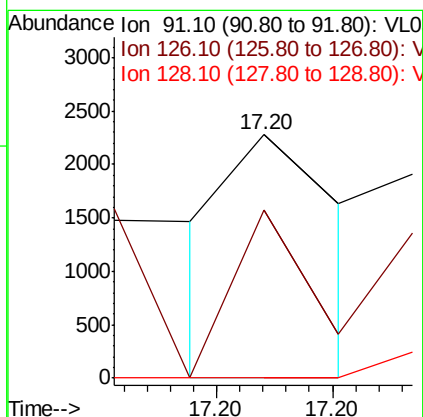
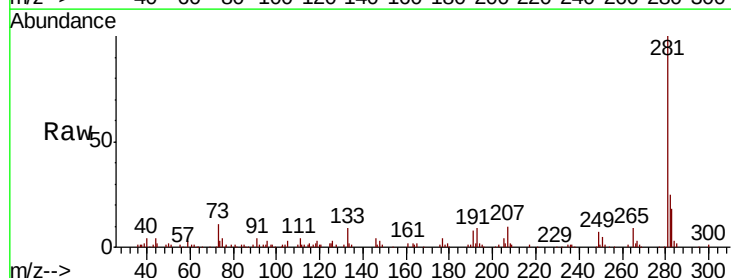
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

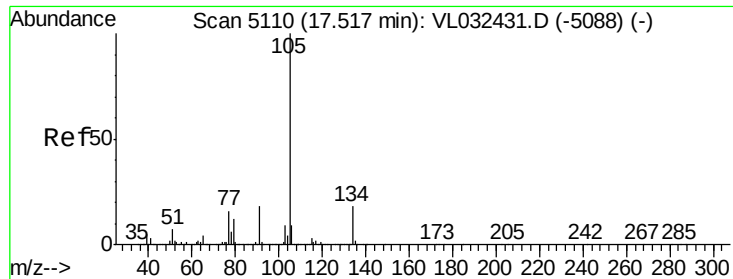
Tgt Ion: 119 Resp: 2827
 Ion Ratio Lower Upper
 119 100
 91 249.8 66.5 99.7#
 134 55.4 16.0 24.0#



#66
 Benzyl Chloride
 Concen: 0.003 ppbv
 RT: 17.20 min Scan# 5012
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion: 91 Resp: 757
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.8 20.8#
 128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.004 ppbv

RT: 17.51 min Scan# 5107

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

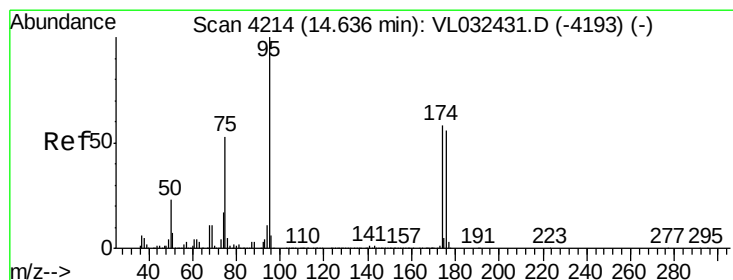
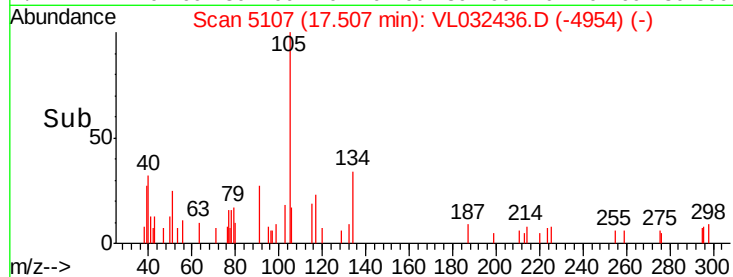
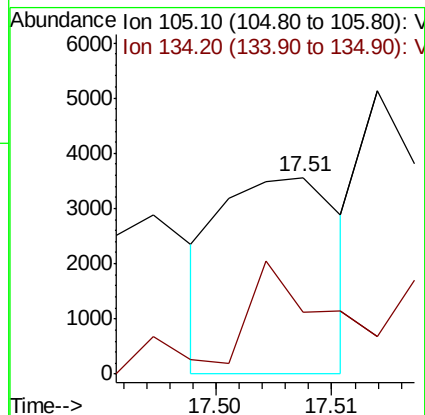
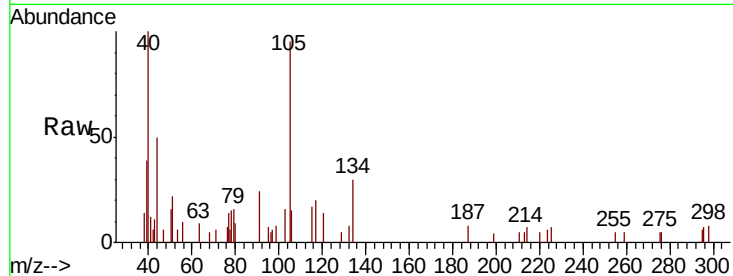
VSTDIC0.03

Tgt Ion: 105 Resp: 2530

Ion Ratio Lower Upper

105 100

134 78.3 14.4 21.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.088 ppbv

RT: 14.63 min Scan# 4212

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

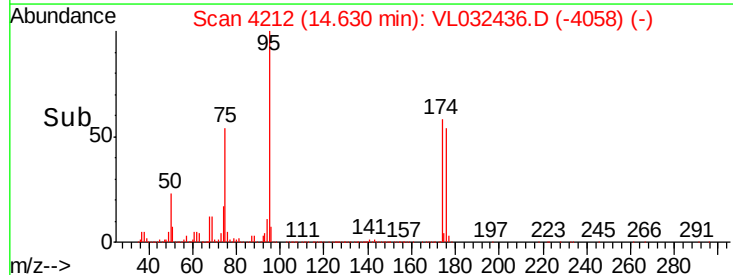
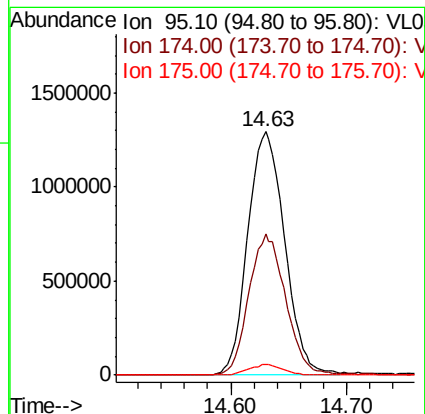
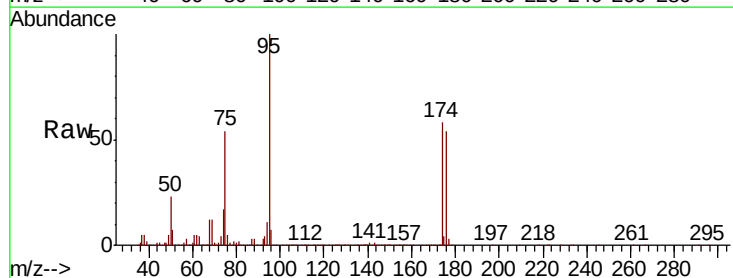
Tgt Ion: 95 Resp: 2867297

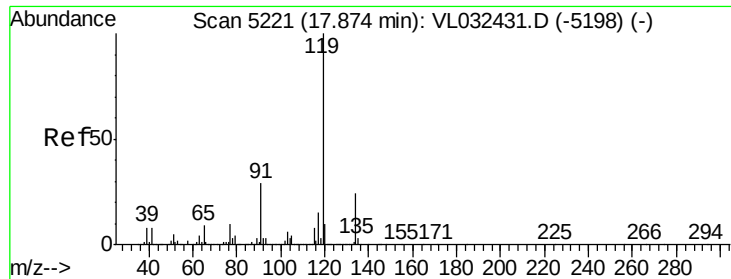
Ion Ratio Lower Upper

95 100

174 58.4 46.3 69.5

175 4.1 3.4 5.0





#69

p-Isopropyltoluene

Concen: 0.003 ppbv

RT: 17.86 min Scan# 5216

Delta R.T. -0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

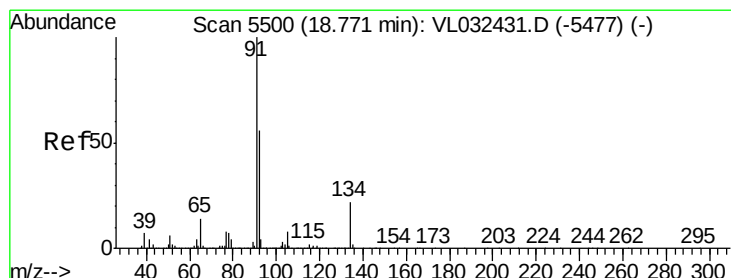
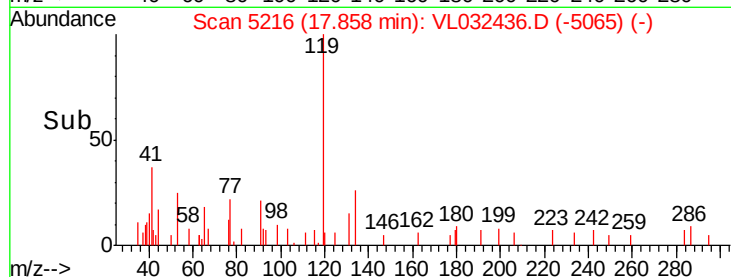
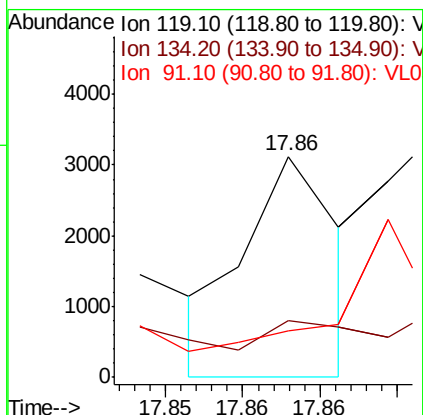
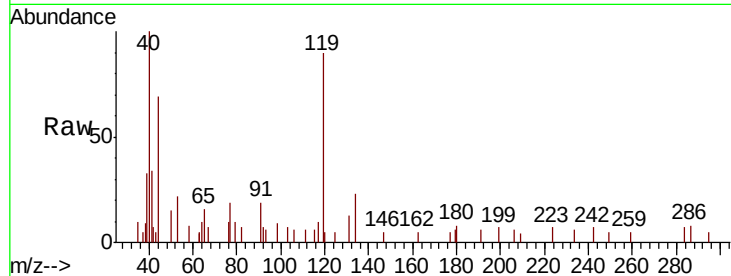
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:	119	Resp:	1313
Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.4	30.6#
91	0.0	23.4	35.0#



#70

n-Butylbenzene

Concen: 0.007 ppbv

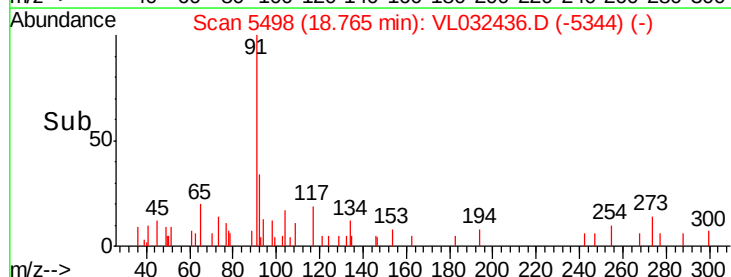
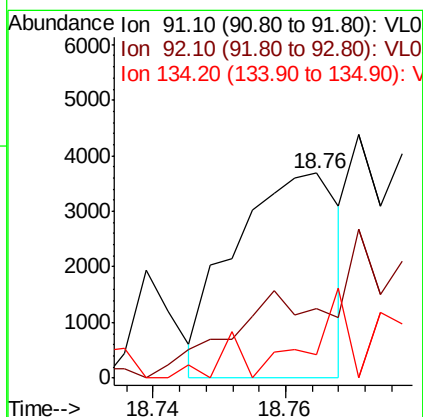
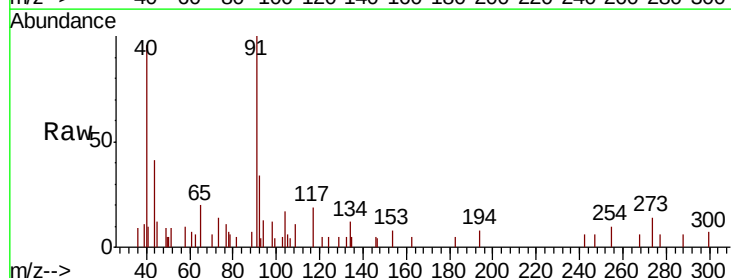
RT: 18.76 min Scan# 5498

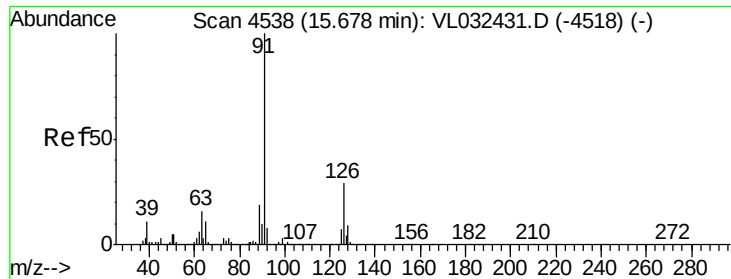
Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion:	91	Resp:	4038
Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.8#
134	0.0	17.4	26.0#





#71

2-Chlorotoluene

Concen: 0.009 ppbv

RT: 15.66 min Scan# 4533

Delta R.T. -0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

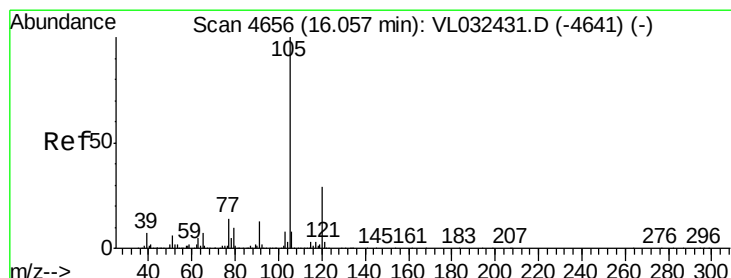
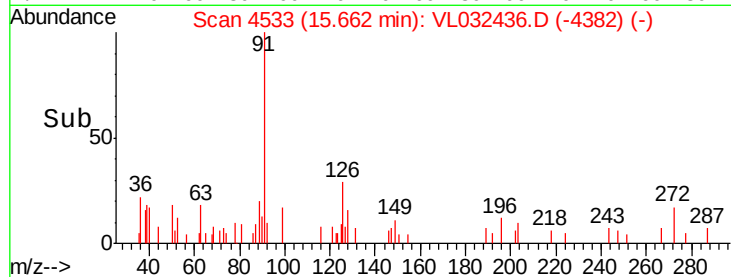
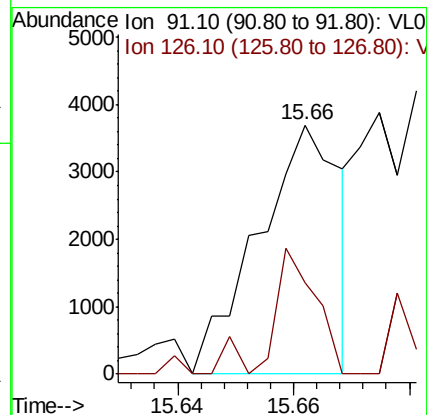
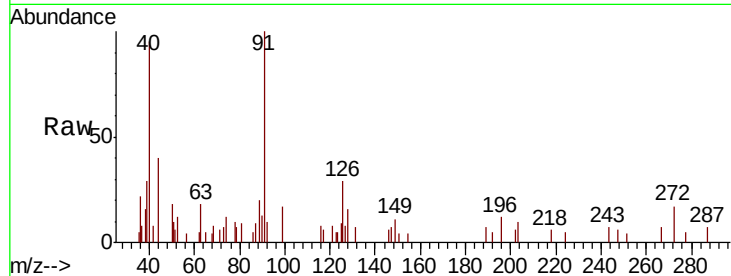
VSTDIC0.03

Tgt Ion: 91 Resp: 3629

Ion Ratio Lower Upper

91 100

126 35.2 11.9 47.7



#72

4-Ethyltoluene

Concen: 0.010 ppbv

RT: 16.05 min Scan# 4653

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Tgt Ion: 105 Resp: 4013

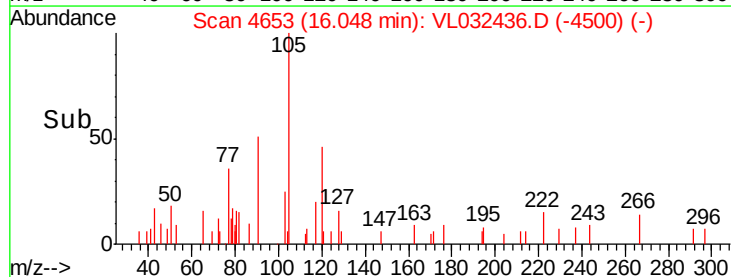
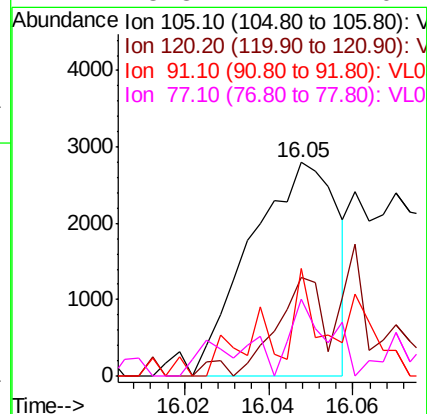
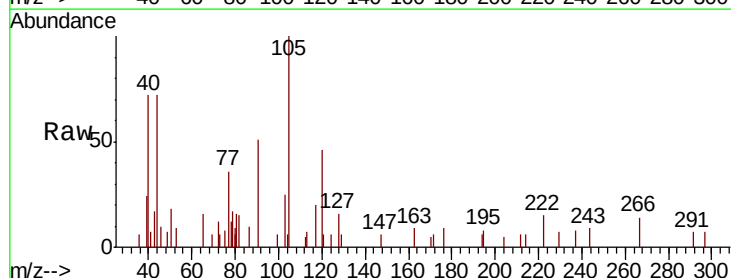
Ion Ratio Lower Upper

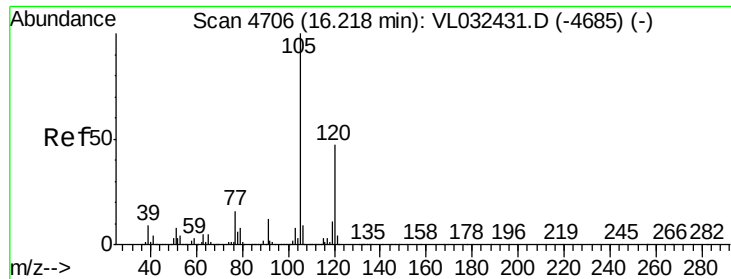
105 100

120 0.0 23.5 35.3#

91 42.9 10.2 15.2#

77 28.3 11.1 16.7#

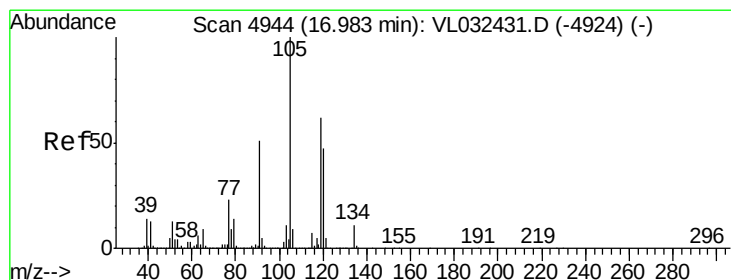
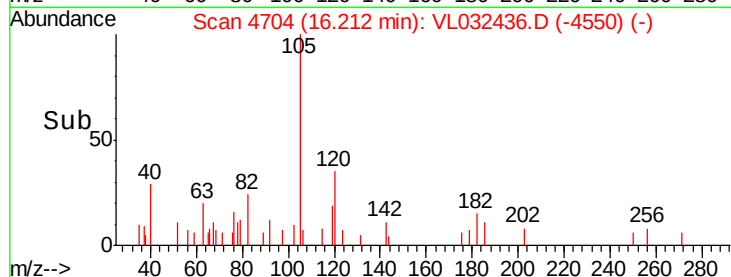
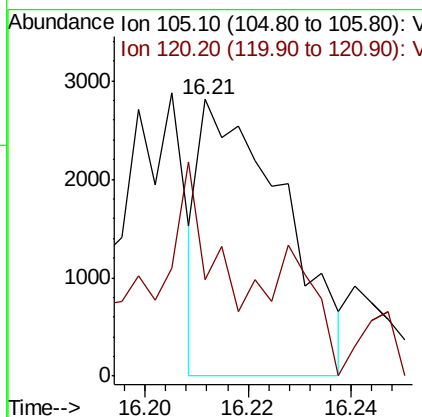
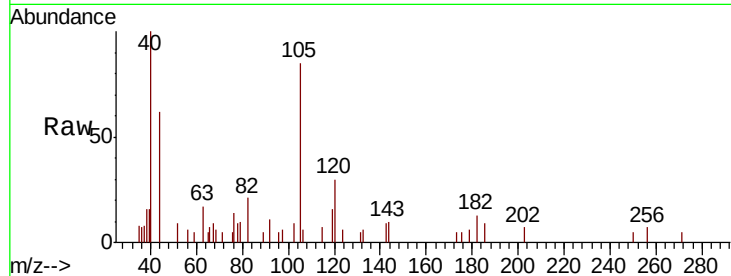




#73
 1,3,5-Trimethylbenzene
 Concen: 0.008 ppbv
 RT: 16.21 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

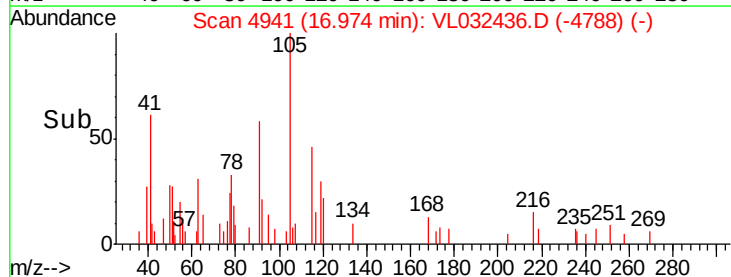
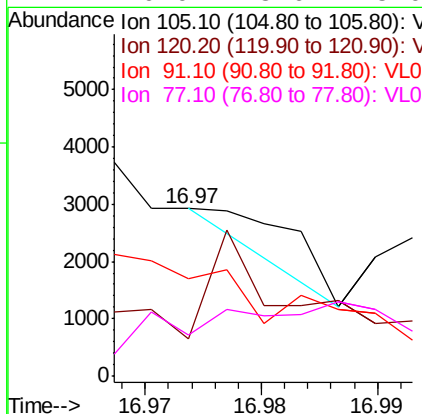
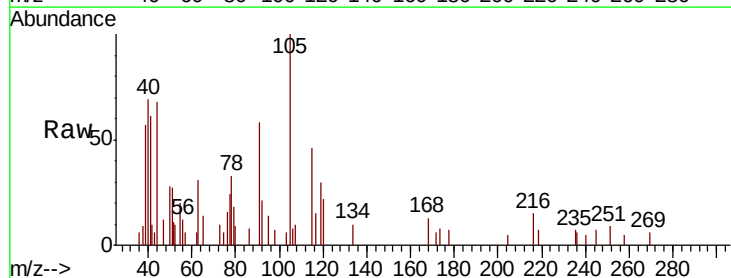
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

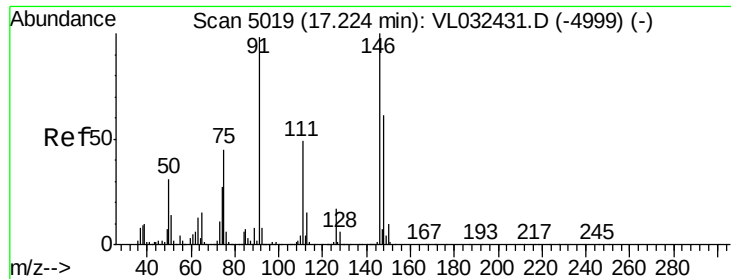
Tgt Ion:105 Resp: 3179
 Ion Ratio Lower Upper
 105 100
 120 45.3 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 0.000 ppbv
 RT: 16.97 min Scan# 4941
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion:105 Resp: 191
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.8 56.8#
 91 31.4 41.4 62.0#
 77 0.0 18.6 28.0#





#75

1,3-Dichlorobenzene

Concen: 0.018 ppbv

RT: 17.21 min Scan# 5015

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

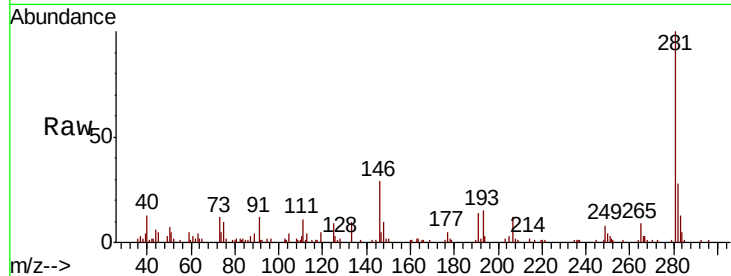
Tgt Ion:146 Resp: 4910

Ion Ratio Lower Upper

146 100

111 225.1 24.6 73.6#

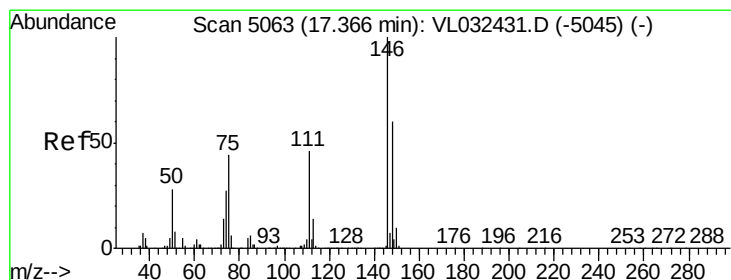
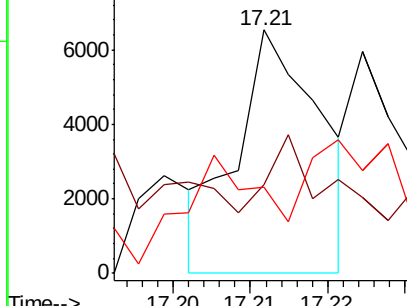
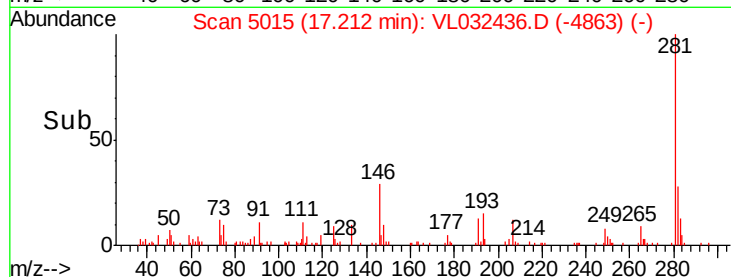
148 0.0 32.0 96.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.008 ppbv

RT: 17.36 min Scan# 5061

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

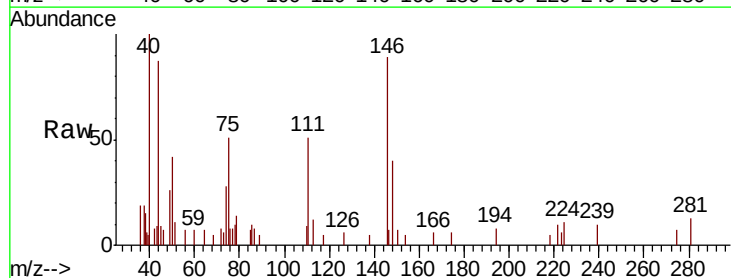
Tgt Ion:146 Resp: 2065

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.3#

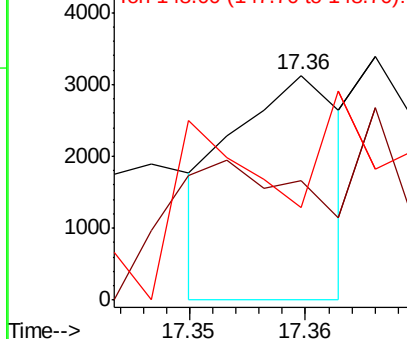
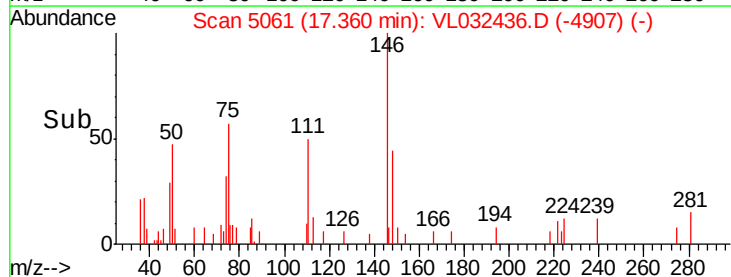
148 0.0 31.9 95.9#

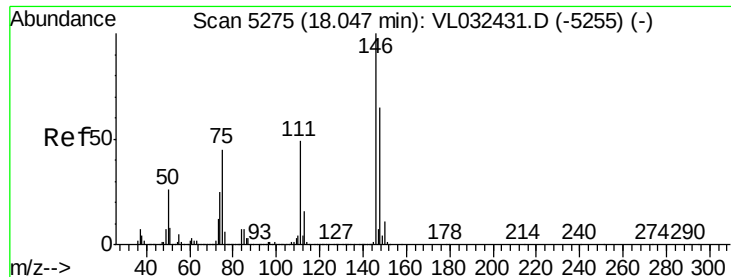


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

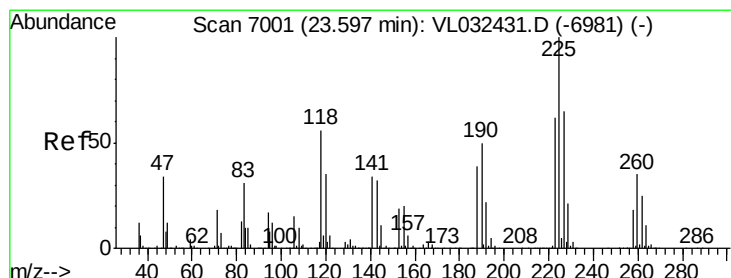
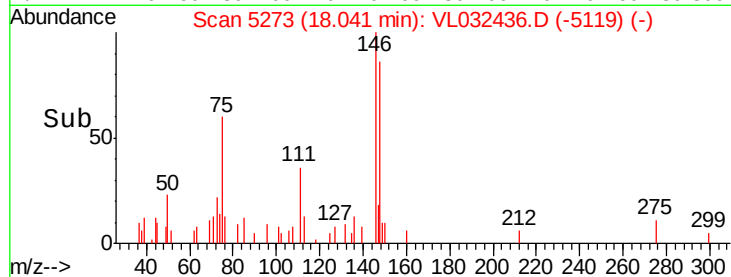
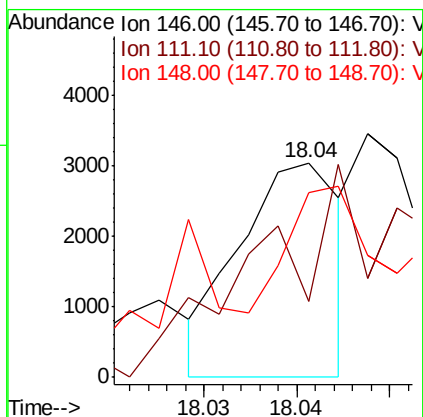
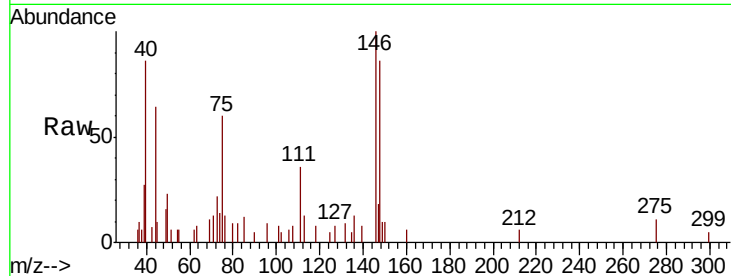




#77
 1,2-Dichlorobenzene
 Concen: 0.009 ppbv
 RT: 18.04 min Scan# 5273
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

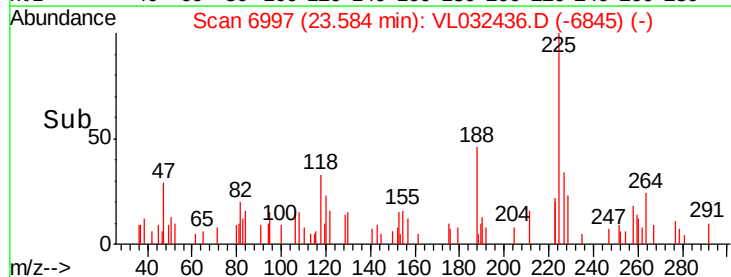
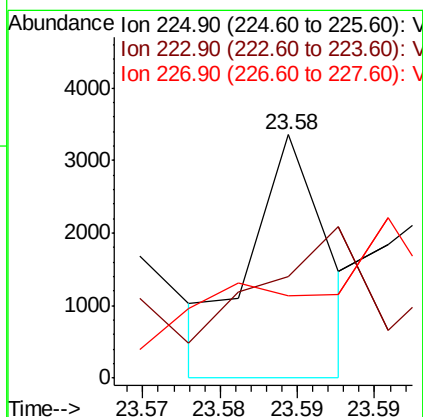
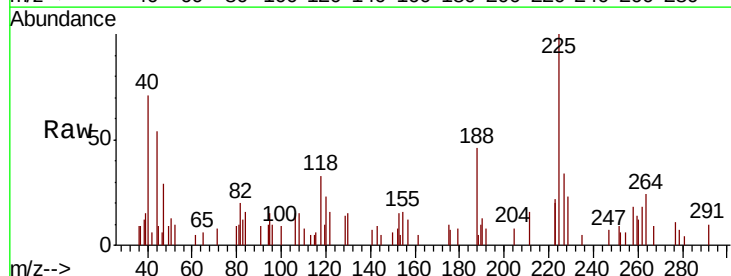
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

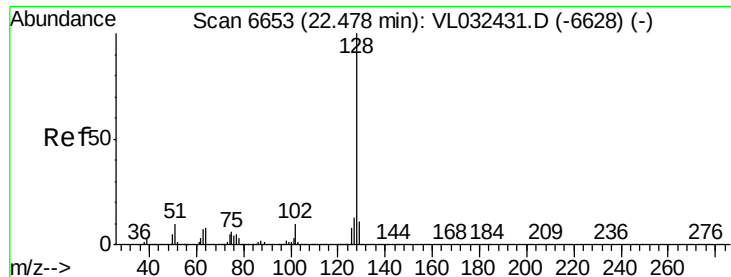
Tgt Ion:146 Resp: 2310
 Ion Ratio Lower Upper
 146 100
 111 191.4 24.9 74.7#
 148 216.8 31.9 95.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.010 ppbv
 RT: 23.58 min Scan# 6997
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Tgt Ion:225 Resp: 1142
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 76.0#
 227 0.0 51.2 76.8#





#79

Naphthalene

Concen: 0.007 ppbv

RT: 22.47 min Scan# 6650

Delta R.T. -0.01 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

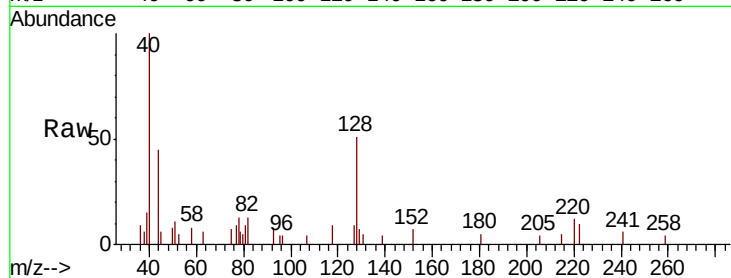
Tgt Ion:128 Resp: 1814

Ion Ratio Lower Upper

128 100

127 23.2 10.2 15.2#

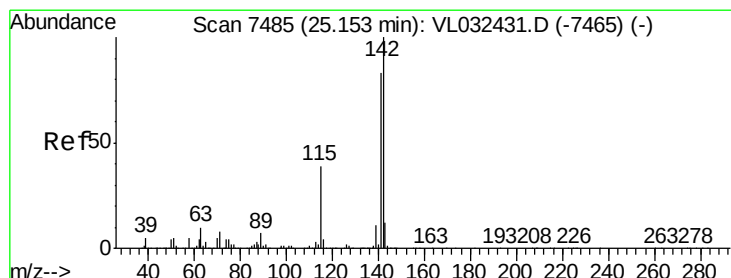
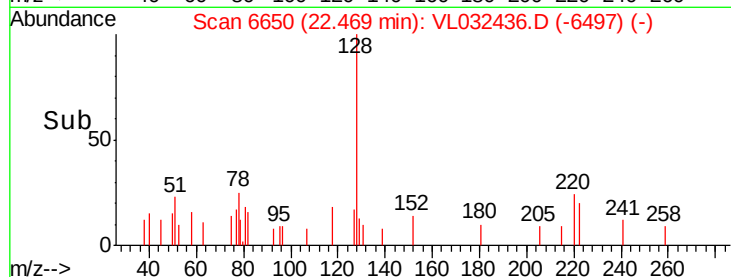
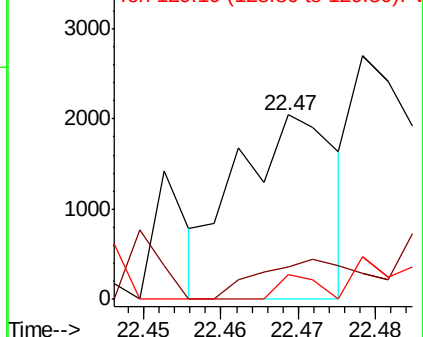
129 17.8 8.5 12.7#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.014 ppbv

RT: 25.17 min Scan# 7490

Delta R.T. 0.02 min

Lab File: VL032436.D

Acq: 31 Aug 2018 3:46

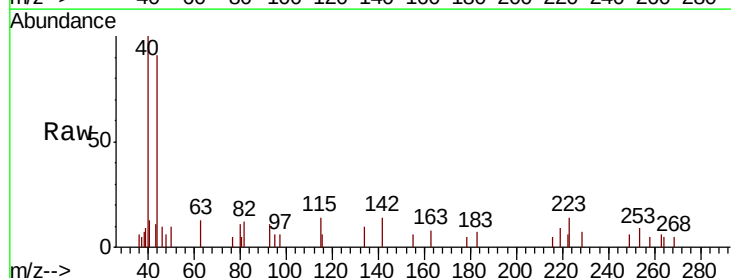
Tgt Ion:142 Resp: 1007

Ion Ratio Lower Upper

142 100

141 113.4 67.0 100.6#

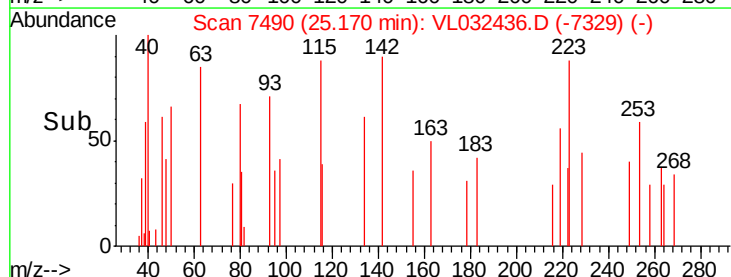
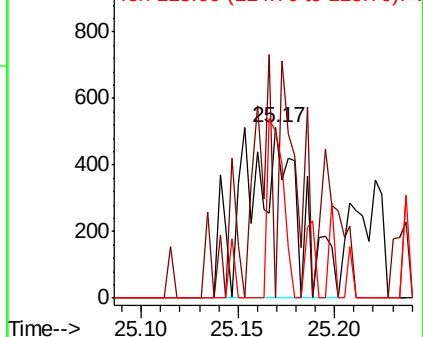
115 39.2 31.2 46.8

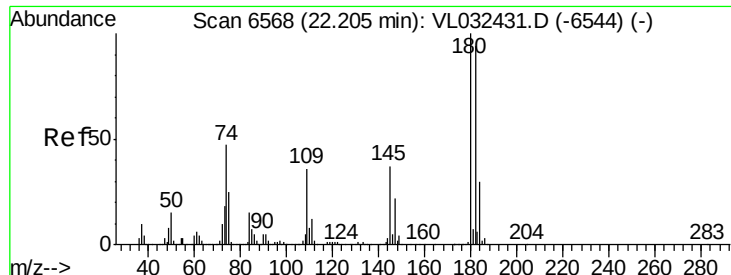


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.006 ppbv
 RT: 22.19 min Scan# 6564
 Delta R.T. -0.01 min
 Lab File: VL032436.D
 Acq: 31 Aug 2018 3:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion:180 Resp: 943
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.2 114.2#
 184 0.0 23.9 35.9#

