

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032315.D
 Acq On : 27 Jul 2018 4:36
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 05:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 05:29:53 2018
 QLast Update : Fri Jul 27 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1997261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4201344	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	6932722	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	4038924	7.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	72.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.12	85	2344412	7.493	ppbv 97
3) Chlorodifluoromethane	3.06	51	2769442	12.417	ppbv 99
4) Chloromethane	3.22	50	1740039	13.187	ppbv 100
5) Vinyl Chloride	3.34	62	1613059	12.922	ppbv 97
6) Bromomethane	3.57	94	857905	12.690	ppbv 96
7) Chloroethane	3.65	64	566409	12.849	ppbv 100
8) Dichlorotetrafluoroethane	3.27	85	3140325	11.464	ppbv 99
9) Propene	3.08	41	1396539	14.288	ppbv 99
10) Heptane	8.33	43	4820114	15.394	ppbv 98
11) Trichlorofluoromethane	4.06	101	3063597	11.699	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	2151930	12.735	ppbv 99
13) Ethanol	3.70	45	266718	9.491	ppbv 98
14) Bromoethene	3.84	108	989601	13.013	ppbv 100
15) Acetone	3.96	43	2487654	12.072	ppbv 100
16) 1,3-Butadiene	3.41	39	1392068	13.211	ppbv 98
17) tert-Butyl alcohol	4.42	59	833786	12.556	ppbv 100
18) 1,1-Dichloroethene	4.41	96	1062070	13.400	ppbv 95
19) Isopropyl Alcohol	4.08	45	1629578	11.509	ppbv 100
20) Methylene Chloride	4.47	84	991373	12.241	ppbv 96
21) Allyl Chloride	4.54	41	1958349	14.163	ppbv 100
22) trans-1,2-Dichloroethene	5.03	96	1005115	12.326	ppbv 99
23) Vinyl Acetate	5.22	43	5113318	13.734	ppbv 99
24) 1,1-Dichloroethane	5.16	63	3315531	12.296	ppbv 99
25) Ethyl Acetate	5.84	43	5849964	12.896	ppbv 99
26) Hexane	5.85	57	2670145	12.831	ppbv 99
27) Carbon Disulfide	4.68	76	2719062	14.732	ppbv 100
28) Methyl tert-Butyl Ether	5.18	73	3904109	12.822	ppbv 100
29) Chloroform	5.93	83	3846397	12.637	ppbv 99
30) Cyclohexane	7.33	84	2230993	12.878	ppbv 99
31) cis-1,2-Dichloroethene	5.71	61	2752997	13.756	ppbv 98
32) 1,1,1-Trichloroethane	6.70	97	3743737	12.144	ppbv 100
34) 2-Butanone	5.40	43	4152628	14.285	ppbv 100
35) Carbon Tetrachloride	7.22	117	3612372	12.568	ppbv 99
36) Benzene	7.09	78	5423692	13.060	ppbv 99
37) 1,2-Dichloroethane	6.49	62	3121160	12.868	ppbv 100
38) Trichloroethene	8.04	130	2198522	15.636	ppbv 96
39) 1,2-Dichloropropane	7.82	63	2786653	16.266	ppbv 98
40) 1,4-Dioxane	8.03	88	694137	13.785	ppbv 60
41) Tetrahydrofuran	6.22	42	2559142	15.274	ppbv 100
42) Bromodichloromethane	8.00	83	5173315	16.115	ppbv 100
43) Methyl Methacrylate	8.22	69	2952826	17.320	ppbv 99

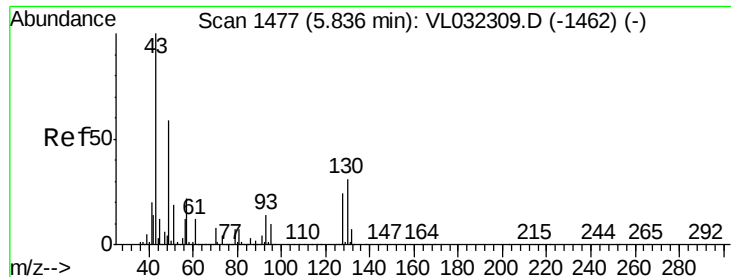
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032315.D
 Acq On : 27 Jul 2018 4:36
 Operator : SY/AP
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Quant Time: Jul 27 05:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 05:29:53 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	11306406	15.371	ppbv	98
45) t-1,3-Dichloropropene	9.50	75	3719636	17.999	ppbv	99
46) cis-1,3-Dichloropropene	8.92	75	4308047	16.811	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	2645915	14.828	ppbv	98
48) Dibromochloromethane	10.55	129	4129258	15.740	ppbv	100
49) Bromoform	13.30	173	3372122	14.751	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	7379919	15.387	ppbv	100
51) 2-Hexanone	10.36	43	6131564	16.244	ppbv	99
52) Tetrachloroethene	11.46	164	1940684	13.550	ppbv	98
53) Toluene	10.03	91	6228405	12.384	ppbv	100
54) 1,2-Dibromoethane	10.85	107	3960156	14.957	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	2833199	9.221	ppbv	94
57) Chlorobenzene	12.39	112	5254580	9.255	ppbv	98
58) Ethyl Benzene	12.95	91	9727577	10.124	ppbv	98
59) m/p-Xylene	13.24	91	7710791	9.301	ppbv #	27
60) o-Xylene	13.94	91	7516141	9.097	ppbv	99
61) Styrene	13.77	104	6380607	10.510	ppbv	100
62) Isopropylbenzene	14.92	105	10671855	9.124	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	5639840	7.990	ppbv	100
64) n-propylbenzene	15.81	120	2882548	9.608	ppbv	94
65) tert-Butylbenzene	17.00	119	8630633	8.648	ppbv	100
66) Benzyl Chloride	17.25	91	6385096	11.422	ppbv	99
67) sec-Butylbenzene	17.55	105	12967723	8.695	ppbv	99
69) p-Isopropyltoluene	17.91	119	10437290	9.040	ppbv	99
70) n-Butylbenzene	18.81	91	11714891	9.087	ppbv	99
71) 2-Chlorotoluene	15.71	91	8671900	9.280	ppbv	99
72) 4-Ethyltoluene	16.09	105	9053648	9.626	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	8550200	9.294	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	8210972	8.492	ppbv	94
75) 1,3-Dichlorobenzene	17.26	146	4620377	8.569	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	4859745	9.098	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	4818232	9.219	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1502265	8.751	ppbv	99
79) Naphthalene	22.52	128	8400924	10.238	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	4246976	12.186	ppbv	100
81) 1,2,4-Trichlorobenzene	22.24	180	3966046	9.878	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

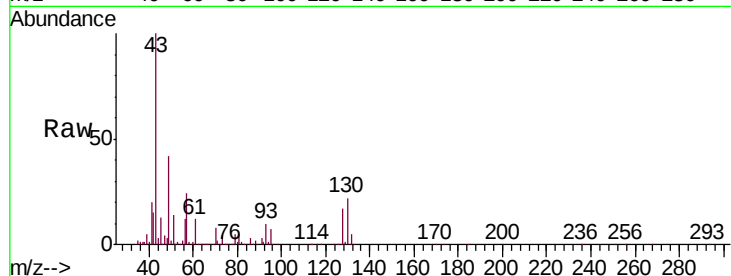
Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1997261

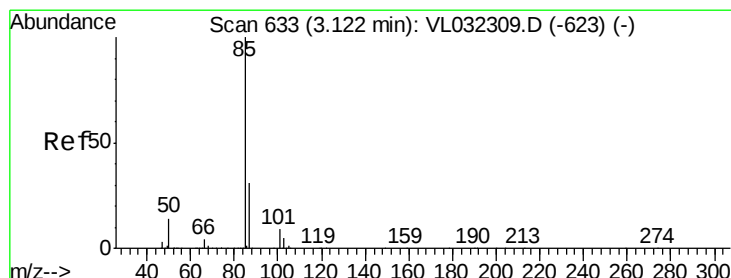
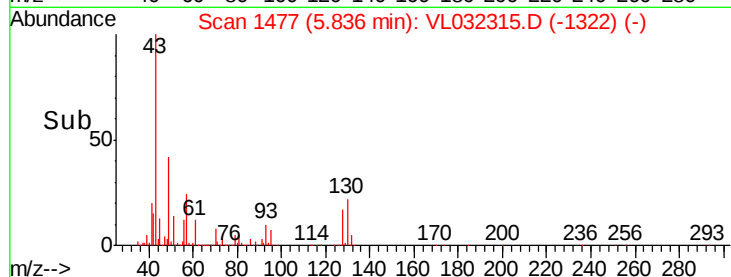
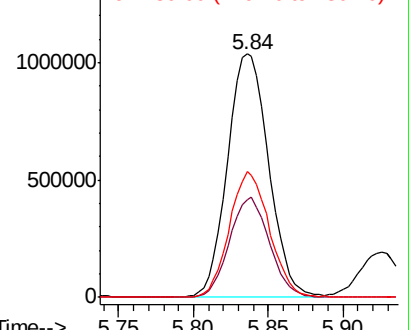
Ion	Ratio	Lower	Upper
49	100		
128	39.9	20.2	60.6
130	50.5	25.8	77.3



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: 7.493 ppbv

RT: 3.12 min Scan# 633

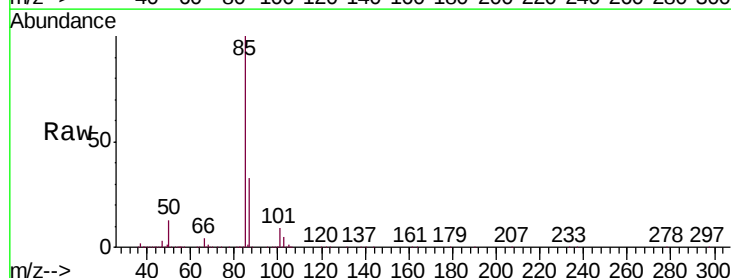
Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

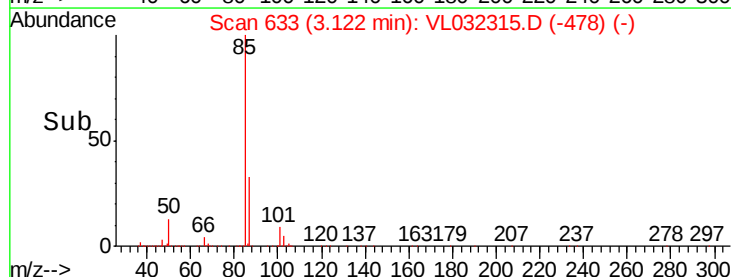
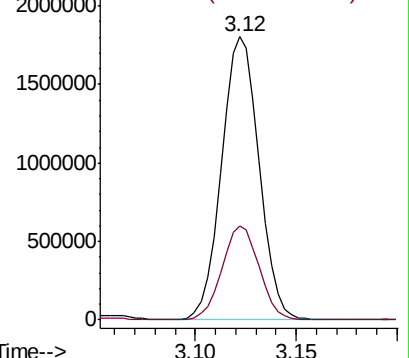
Tgt Ion: 85 Resp: 2344412

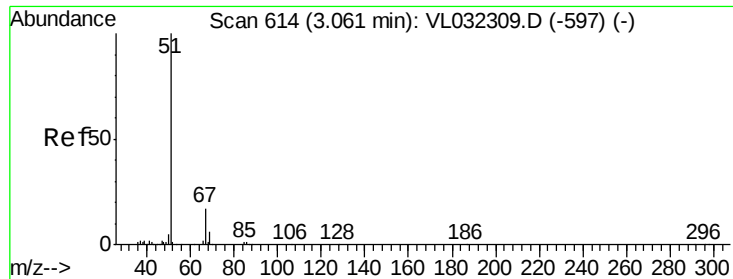
Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.2	37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 12.417 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

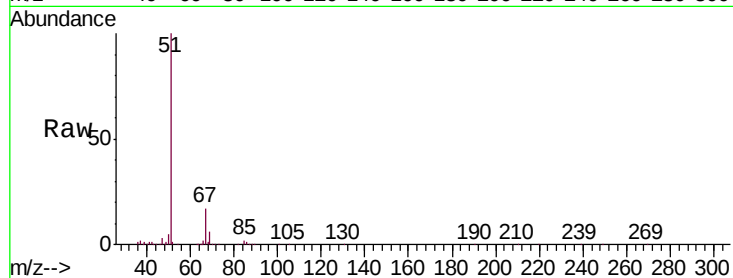
ClientSampleId :

Tot Ion: 51 Resp: 2769442

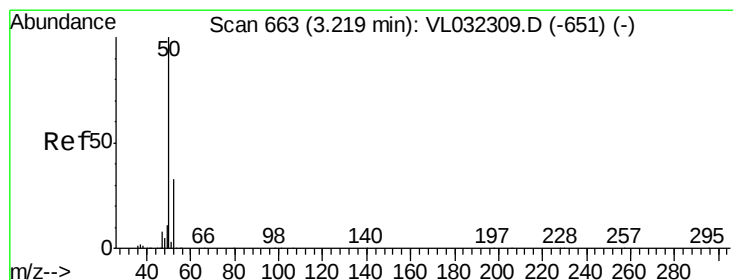
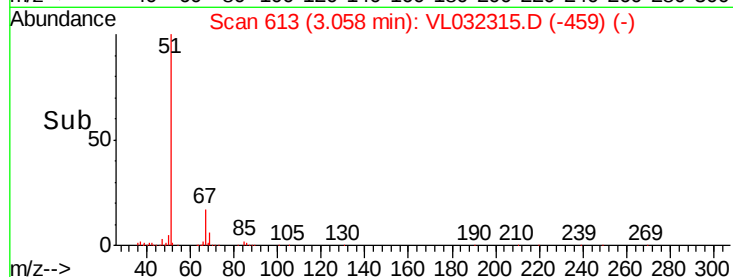
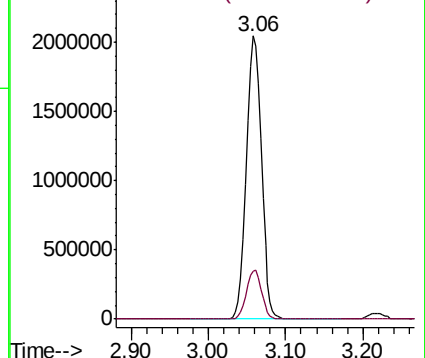
Ion Ratio Lower Upper

51 100

67 17.2 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 13.187 ppbv

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VL032315.D

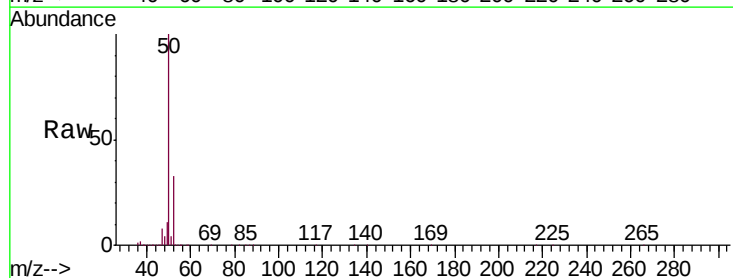
Acq: 27 Jul 2018 4:36

Tgt Ion: 50 Resp: 1740039

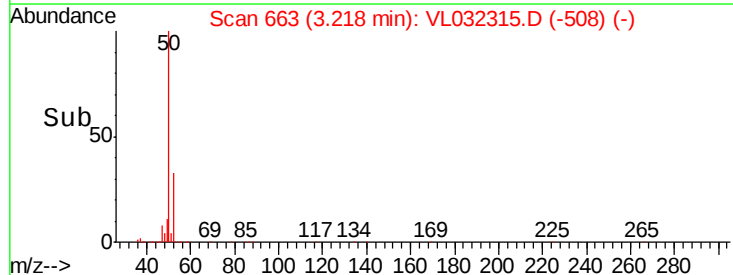
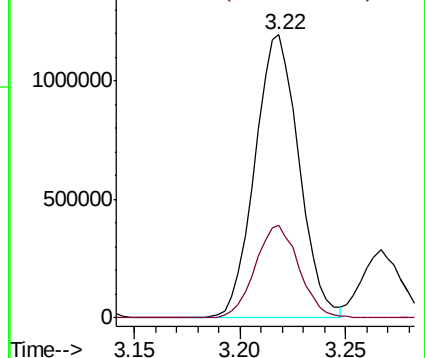
Ion Ratio Lower Upper

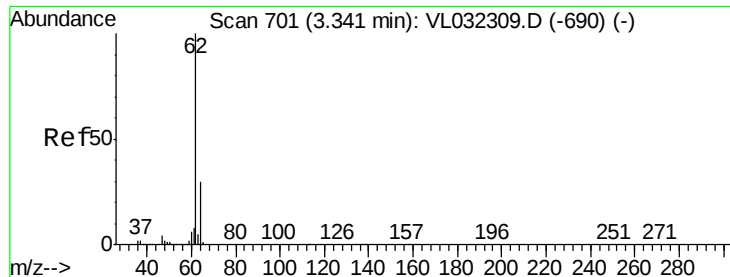
50 100

52 32.5 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.922 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

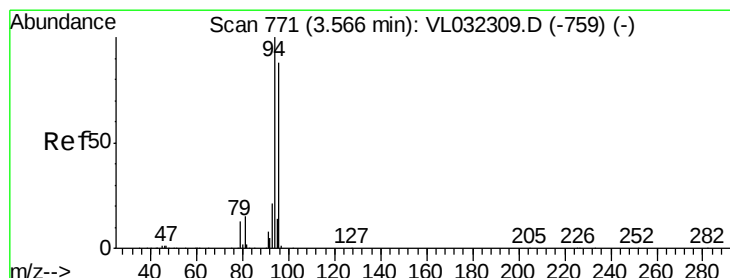
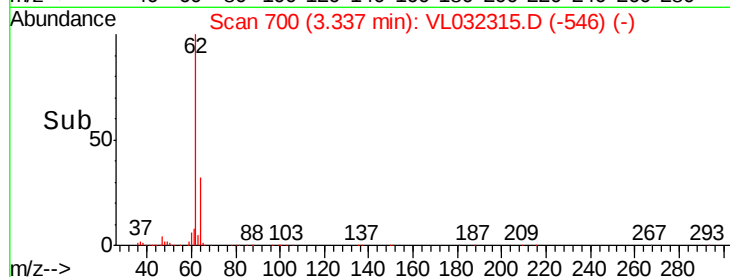
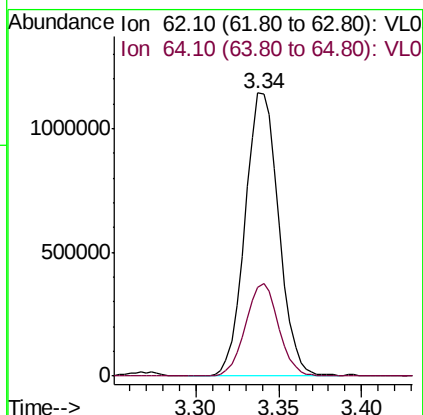
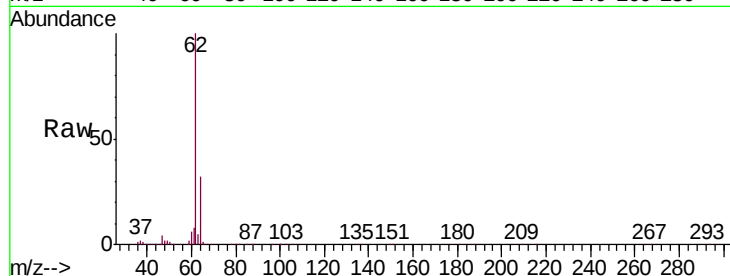
ClientSampleId :

Tot Ion: 62 Resp: 1613059

Ion Ratio Lower Upper

62 100

64 31.5 24.1 36.1



#6

Bromomethane

Concen: 12.690 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL032315.D

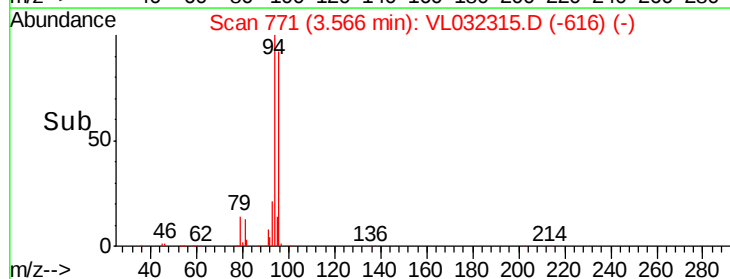
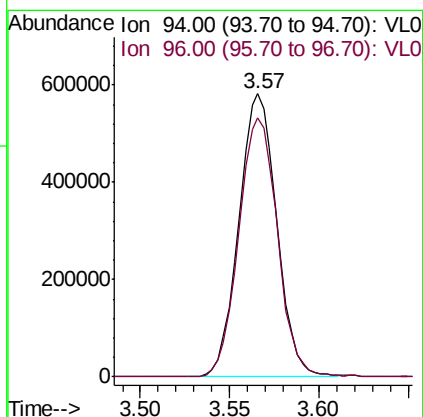
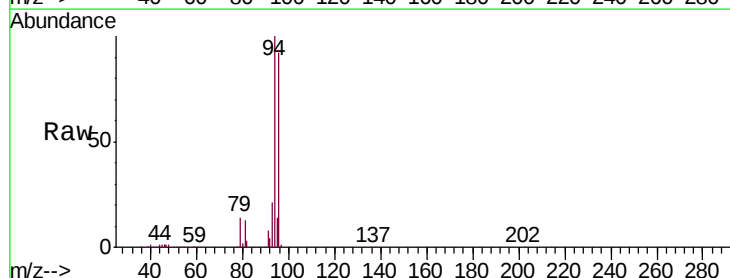
Acq: 27 Jul 2018 4:36

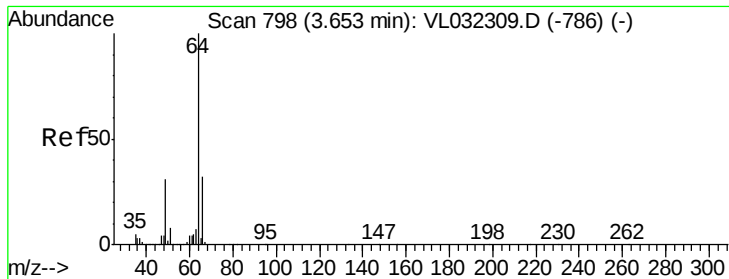
Tgt Ion: 94 Resp: 857905

Ion Ratio Lower Upper

94 100

96 91.6 70.2 105.4





#7

Chloroethane

Concen: 12.849 ppbv

RT: 3.65 min Scan# 798

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

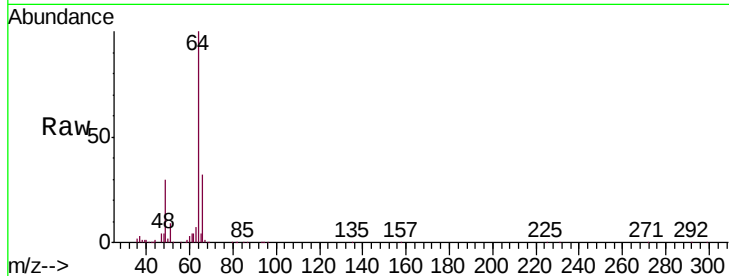
ClientSampleId :

Tot Ion: 64 Resp: 566409

Ion Ratio Lower Upper

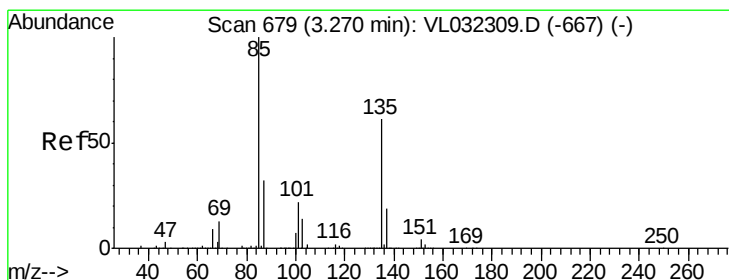
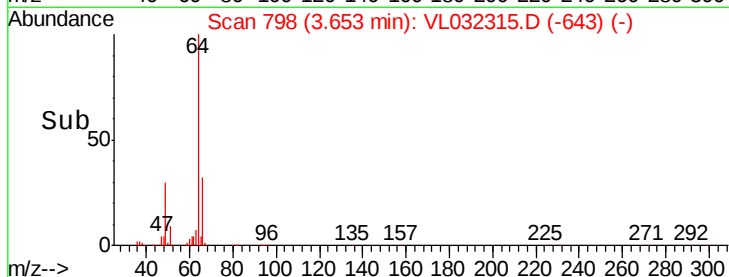
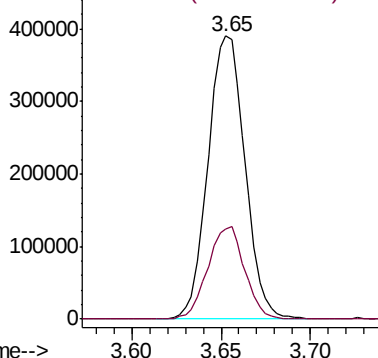
64 100

66 32.0 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 11.464 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032315.D

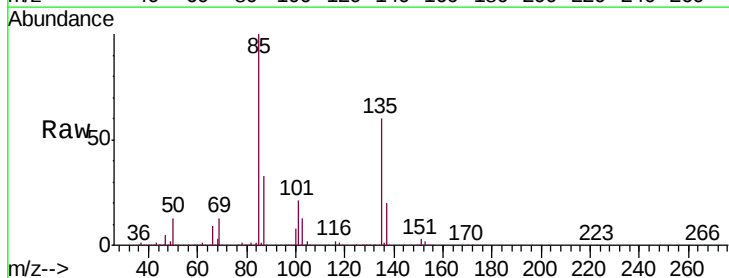
Acq: 27 Jul 2018 4:36

Tgt Ion: 85 Resp: 3140325

Ion Ratio Lower Upper

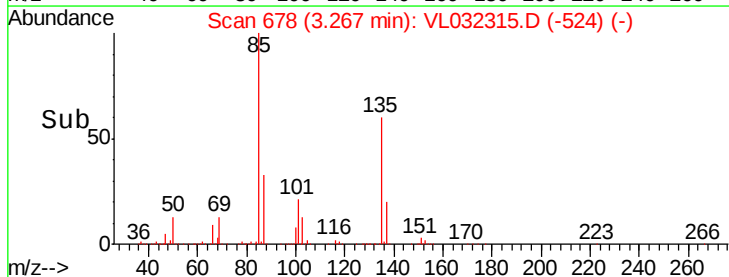
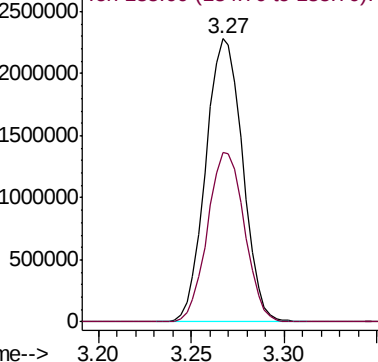
85 100

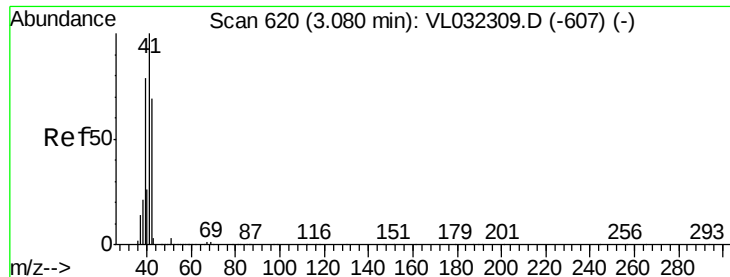
135 60.3 48.7 73.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 14.288 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

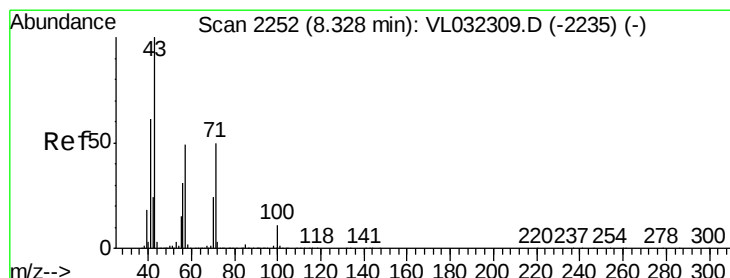
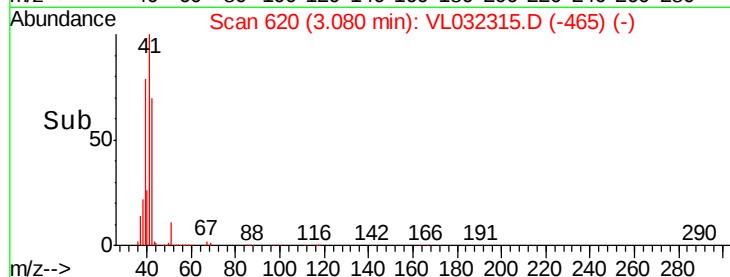
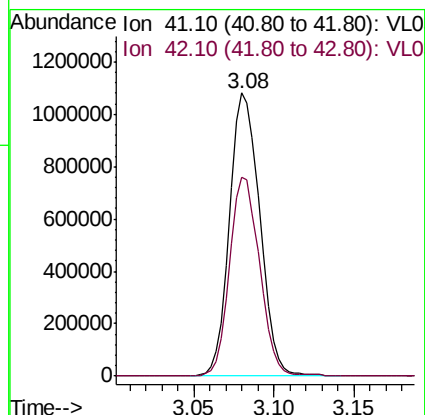
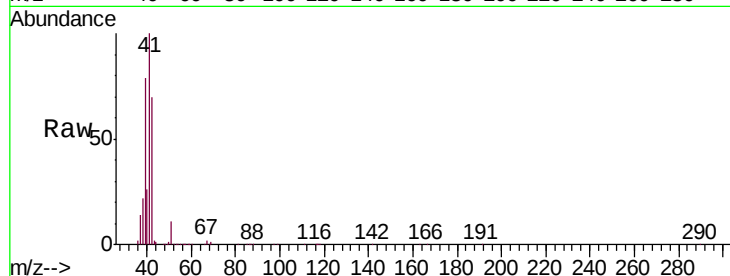
ClientSampleId :

Tot Ion: 41 Resp: 1396539

Ion Ratio Lower Upper

41 100

42 70.0 56.8 85.2



#10

Heptane

Concen: 15.394 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VL032315.D

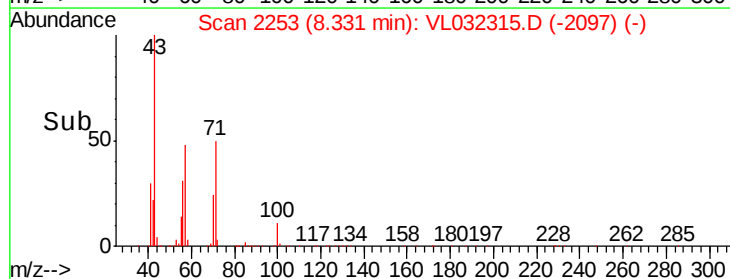
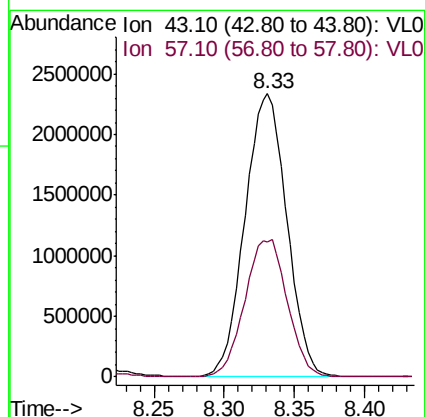
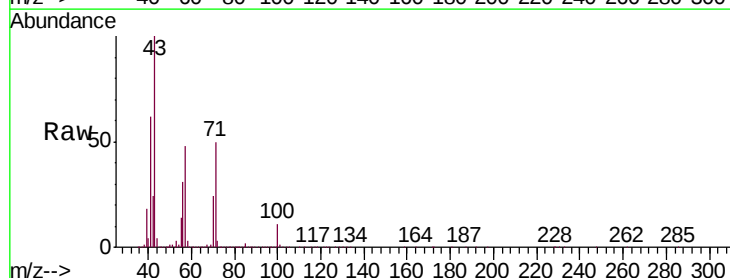
Acq: 27 Jul 2018 4:36

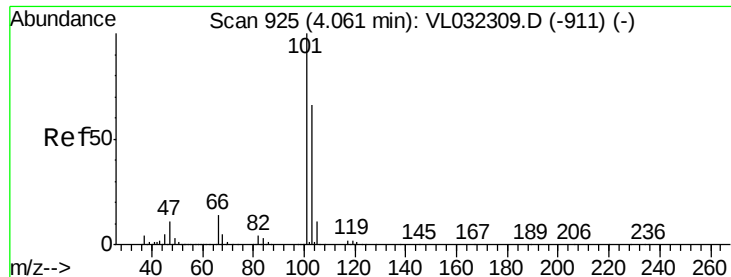
Tgt Ion: 43 Resp: 4820114

Ion Ratio Lower Upper

43 100

57 49.7 39.0 58.4





#11

Trichlorofluoromethane

Concen: 11.699 ppbv

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

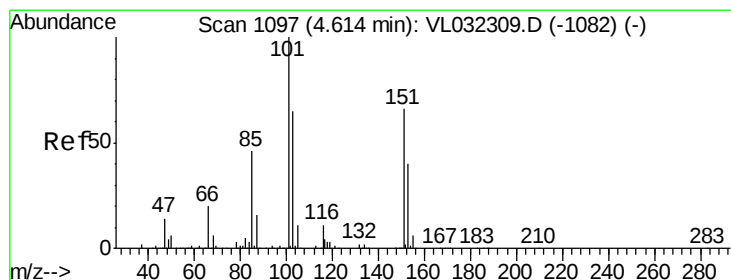
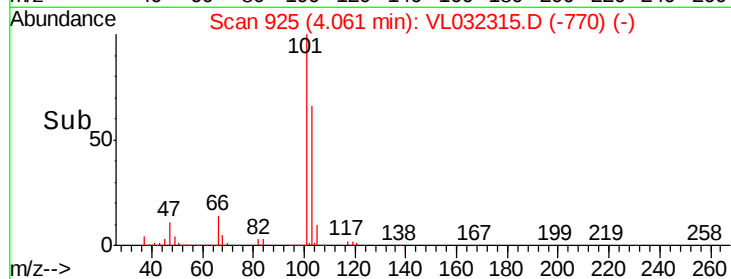
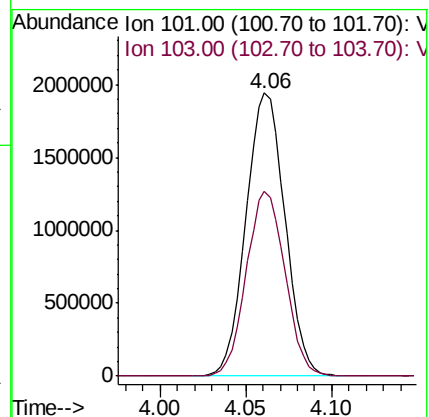
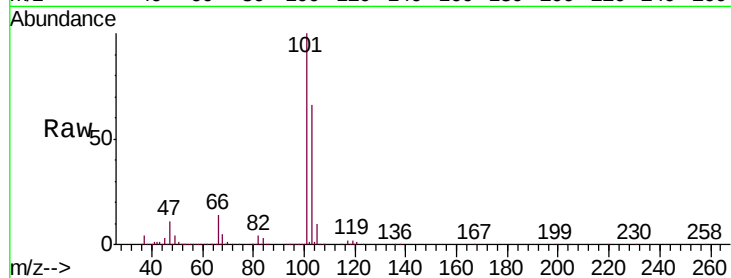
ClientSampleId :

Tot Ion:101 Resp: 3063597

Ion Ratio Lower Upper

101 100

103 65.5 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.735 ppbv

RT: 4.62 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VL032315.D

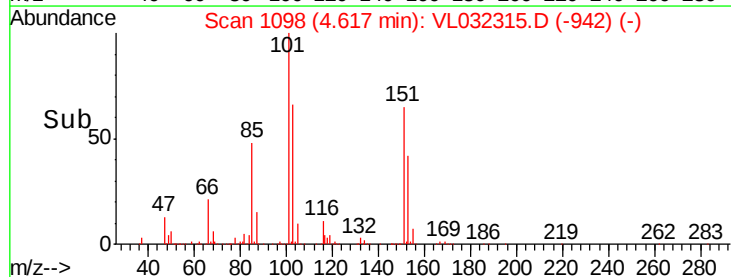
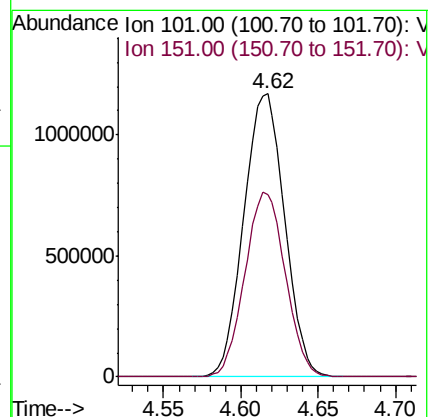
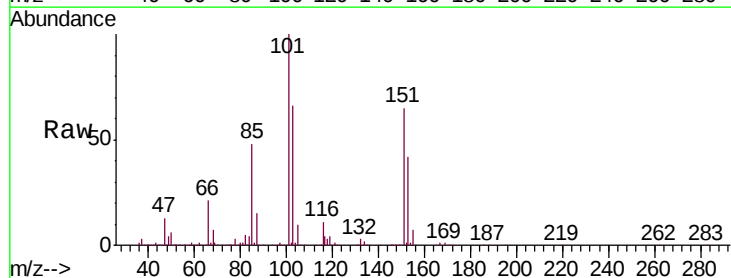
Acq: 27 Jul 2018 4:36

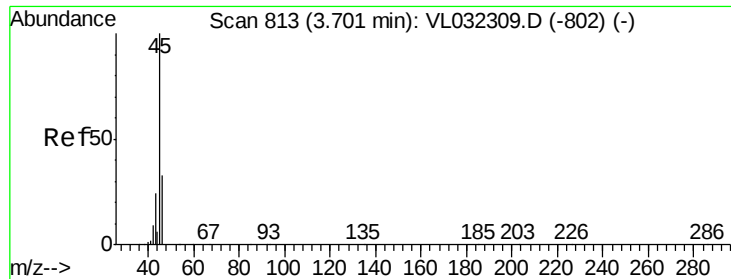
Tgt Ion:101 Resp: 2151930

Ion Ratio Lower Upper

101 100

151 64.8 52.4 78.6

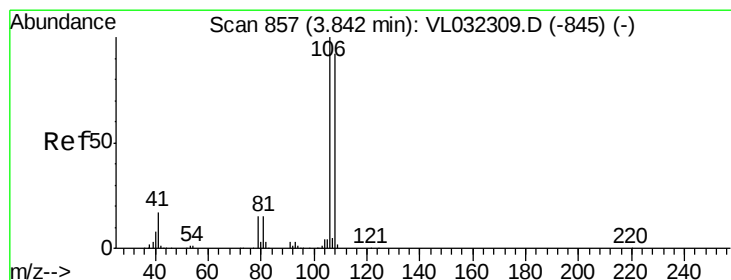
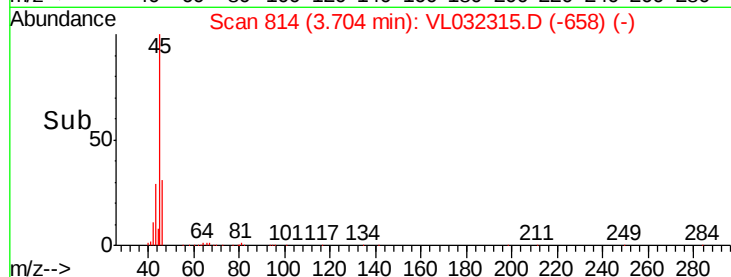
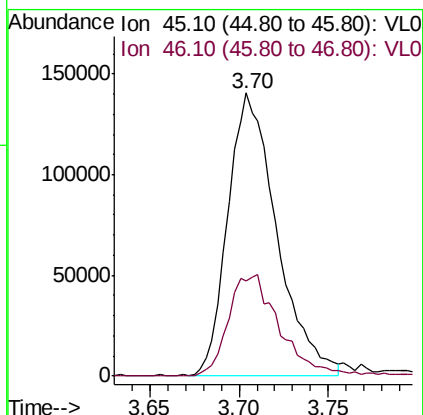
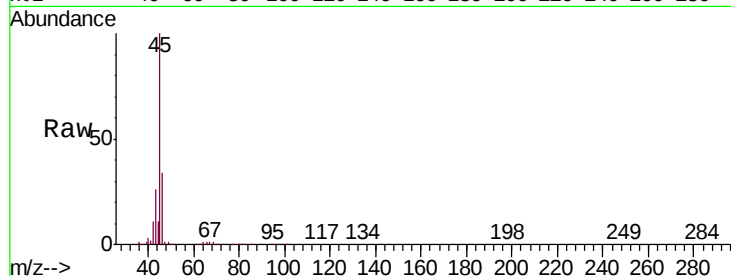




#13
Ethanol
Concen: 9.491 ppbv
RT: 3.70 min Scan# 814
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

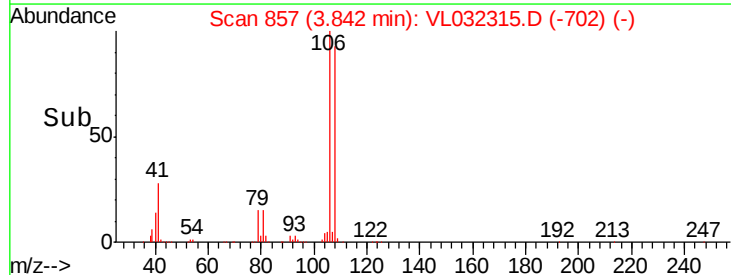
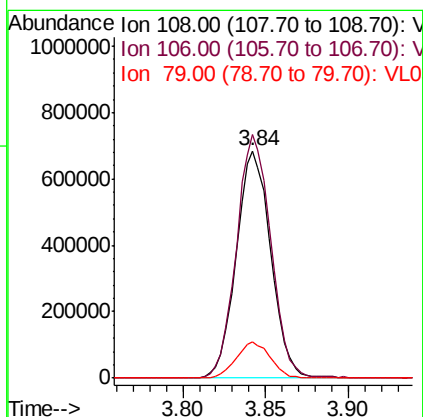
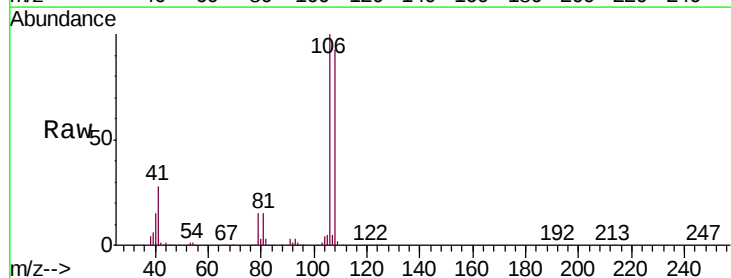
Instrument :
MSVOA_L
ClientSampled :

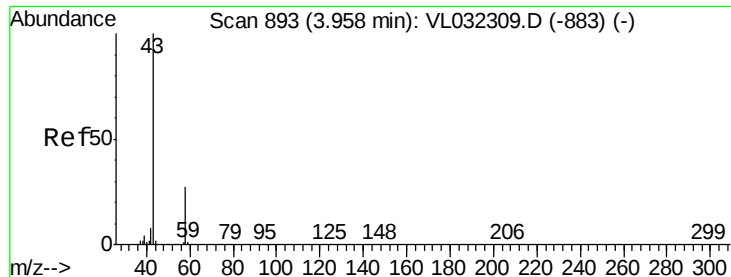
Tot Ion: 45 Resp: 266718
Ion Ratio Lower Upper
45 100
46 38.9 15.2 60.6



#14
Bromoethene
Concen: 13.013 ppbv
RT: 3.84 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 108 Resp: 989601
Ion Ratio Lower Upper
108 100
106 107.3 86.0 129.0
79 16.0 12.8 19.2

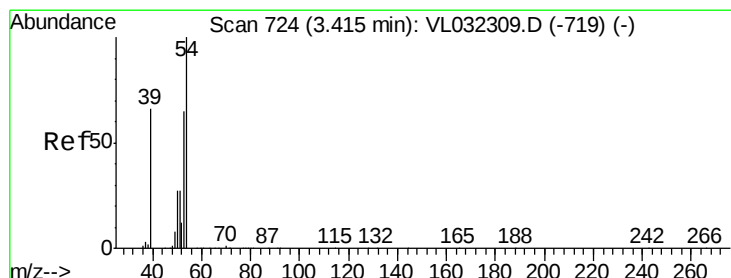
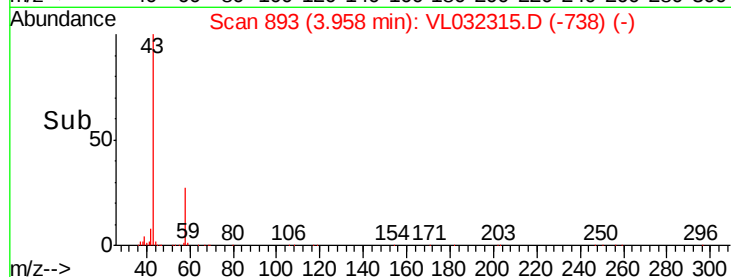
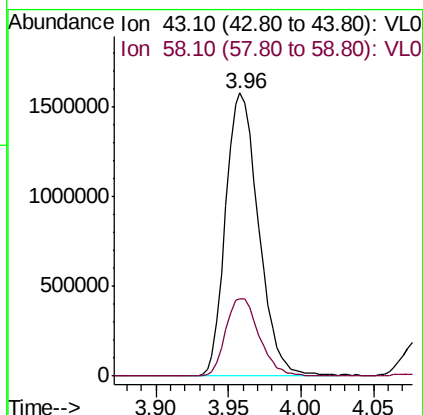
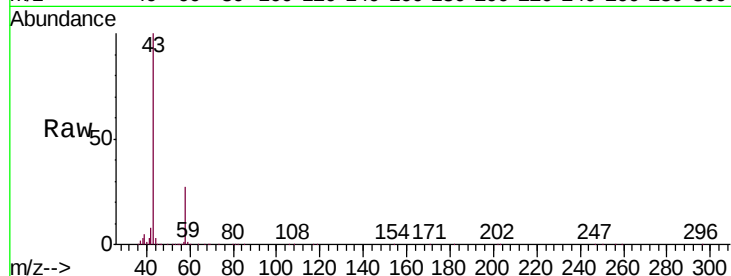




#15
Acetone
Concen: 12.072 ppbv
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

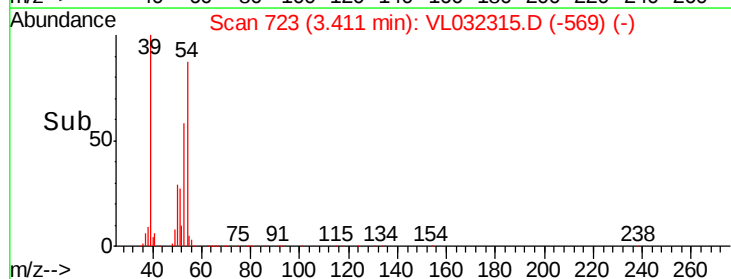
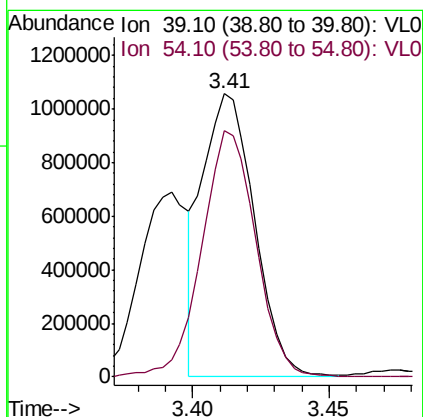
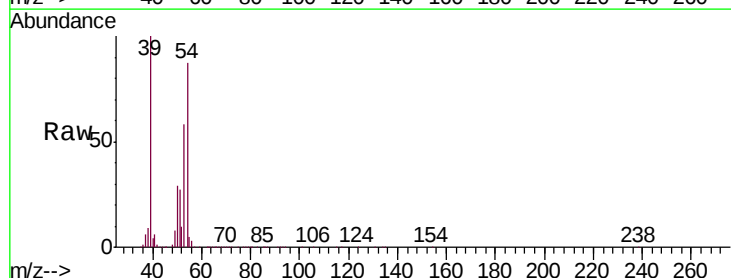
Instrument :
MSVOA_L
ClientSampleId :

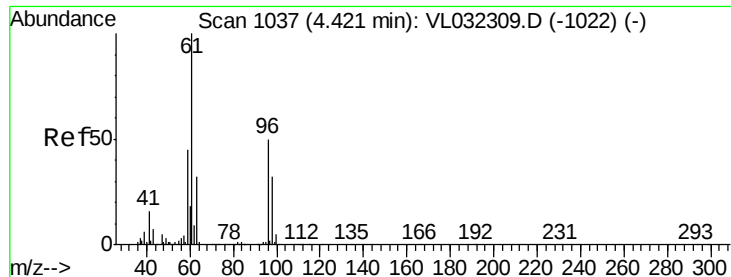
Tot Ion: 43 Resp: 2487654
Ion Ratio Lower Upper
43 100
58 27.9 22.5 33.7



#16
1,3-Butadiene
Concen: 13.211 ppbv
RT: 3.41 min Scan# 723
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 39 Resp: 1392068
Ion Ratio Lower Upper
39 100
54 91.2 74.3 111.5





#17

tert-Butyl alcohol

Concen: 12.556 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

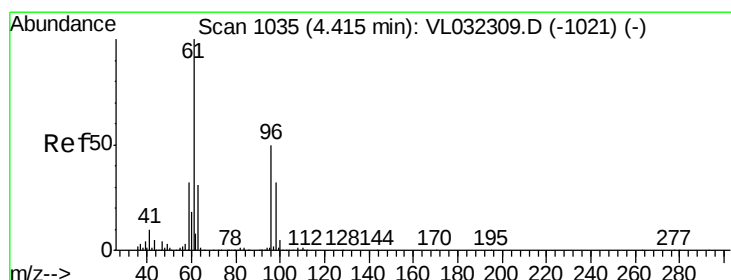
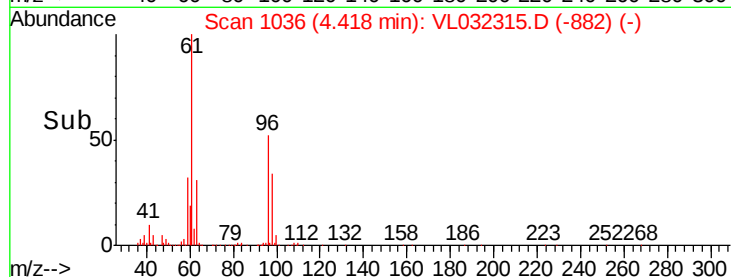
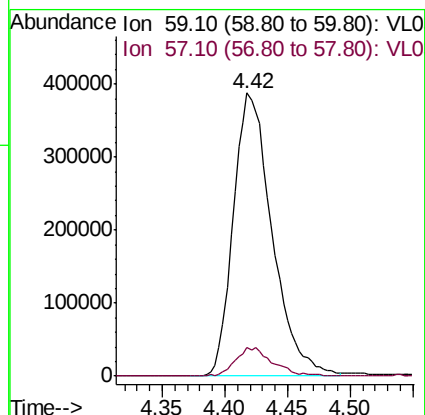
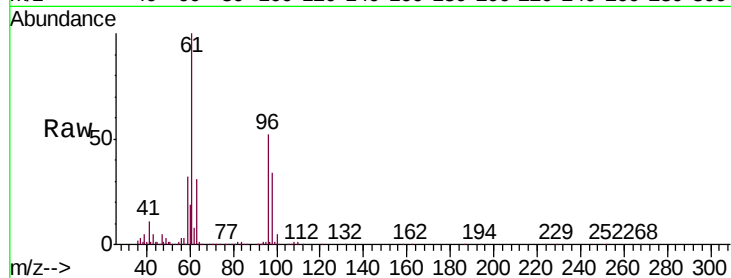
ClientSampled :

Tot Ion: 59 Resp: 833786

Ion Ratio Lower Upper

59 100

57 9.8 8.0 12.0



#18

1,1-Dichloroethene

Concen: 13.400 ppbv

RT: 4.41 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

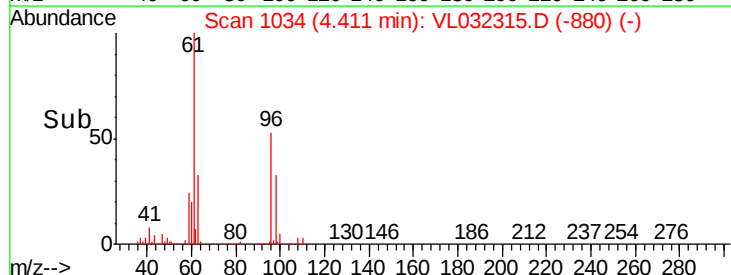
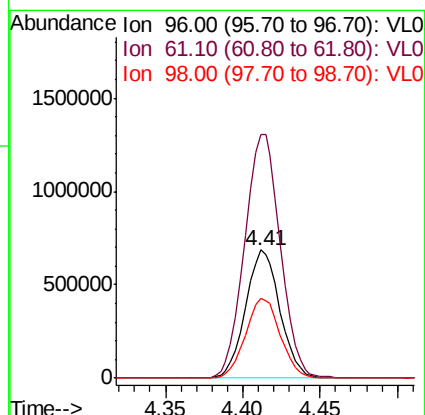
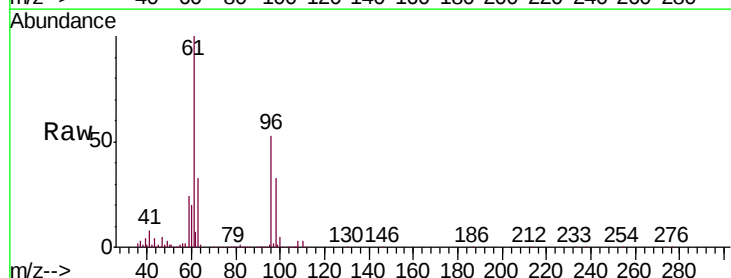
Tgt Ion: 96 Resp: 1062070

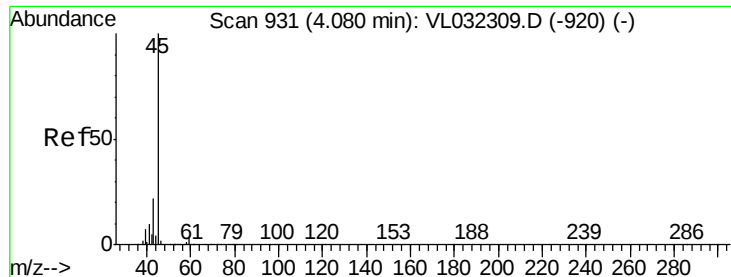
Ion Ratio Lower Upper

96 100

61 190.2 159.0 238.4

98 62.1 51.1 76.7

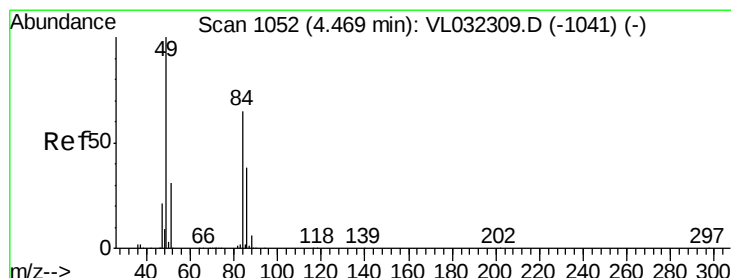
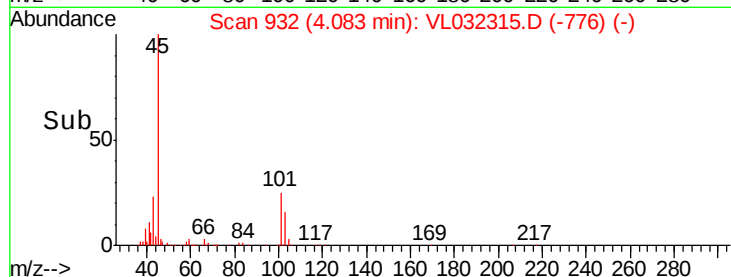
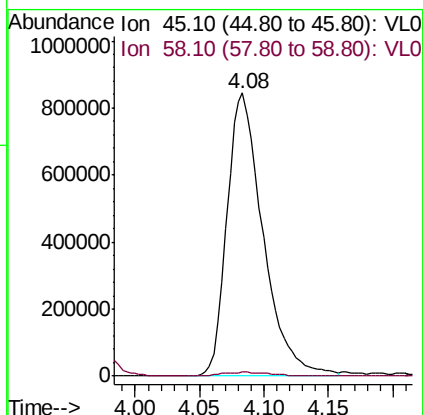
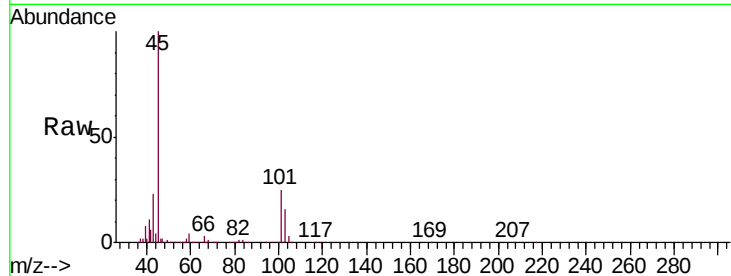




#19
Isopropyl Alcohol
Concen: 11.509 ppbv
RT: 4.08 min Scan# 932
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

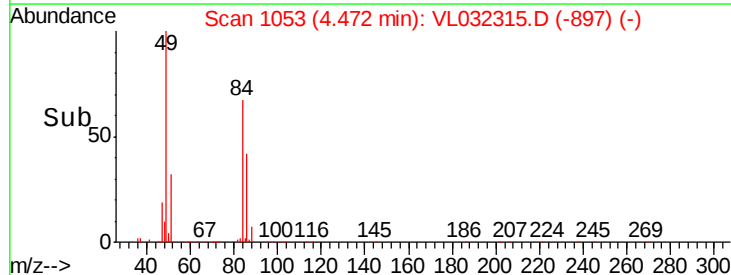
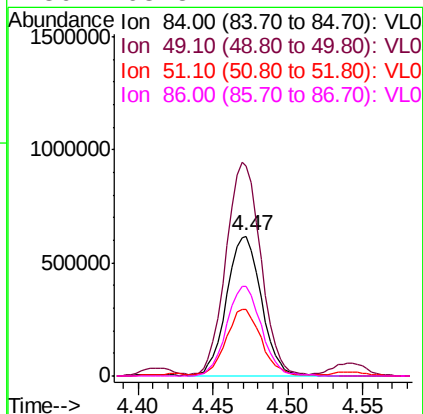
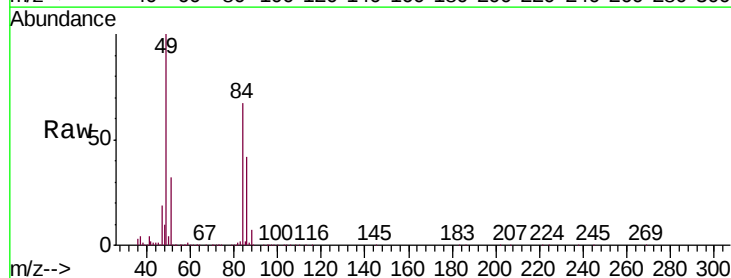
Instrument :
MSVOA_L
ClientSampleId :

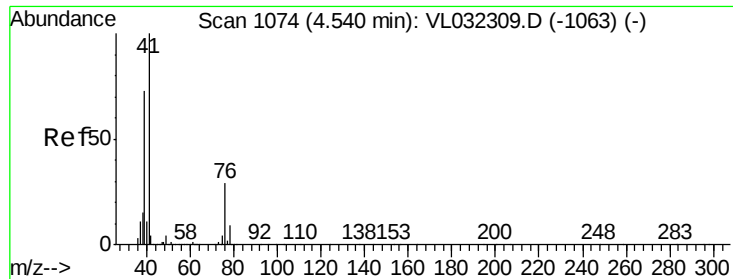
Tot Ion: 45 Resp: 1629578
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3



#20
Methylene Chloride
Concen: 12.241 ppbv
RT: 4.47 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 84 Resp: 991373
Ion Ratio Lower Upper
84 100
49 149.4 123.4 185.0
51 46.9 38.2 57.2
86 63.8 47.4 71.2

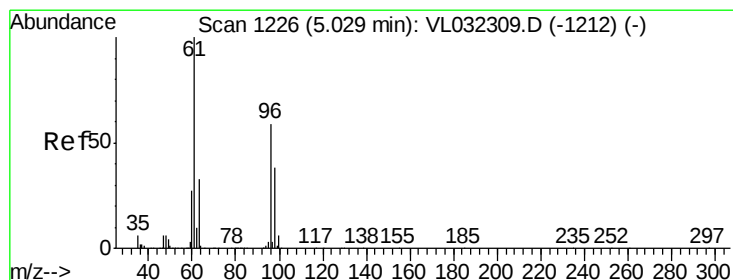
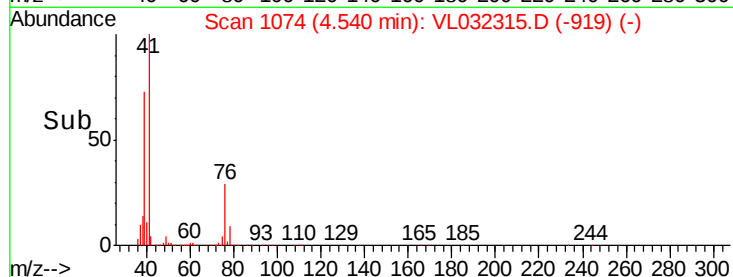
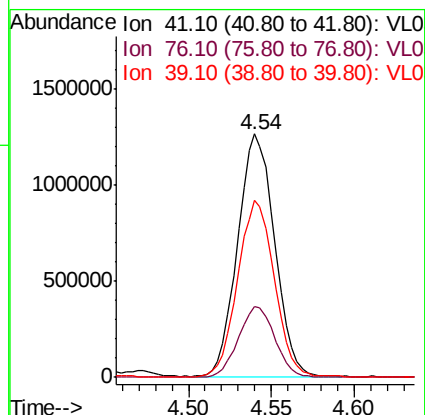
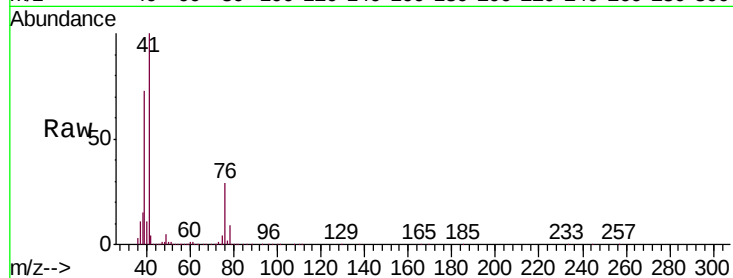




#21
Allvl Chloride
Concen: 14.163 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

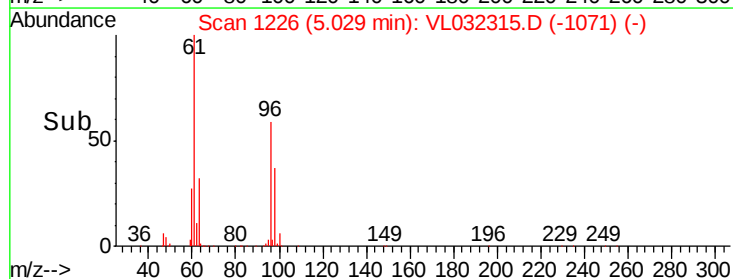
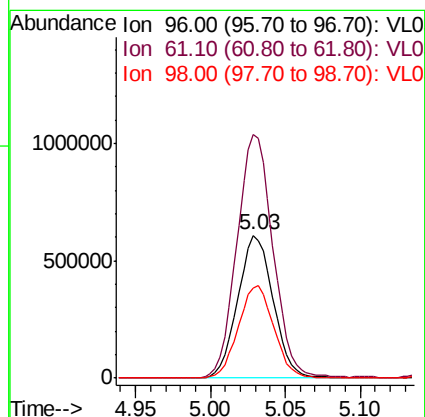
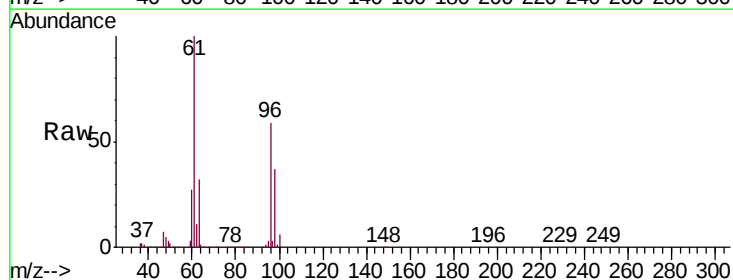
Instrument :
MSVOA_L
ClientSampleId :

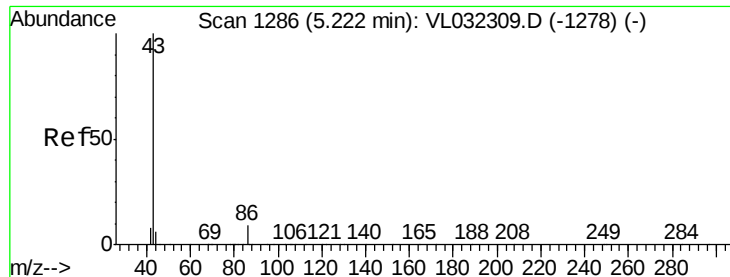
Tot Ion: 41 Resp: 1958349
Ion Ratio Lower Upper
41 100
76 28.8 23.1 34.7
39 72.4 58.2 87.2



#22
trans-1,2-Dichloroethene
Concen: 12.326 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 96 Resp: 1005115
Ion Ratio Lower Upper
96 100
61 170.4 136.5 204.7
98 62.7 51.3 76.9



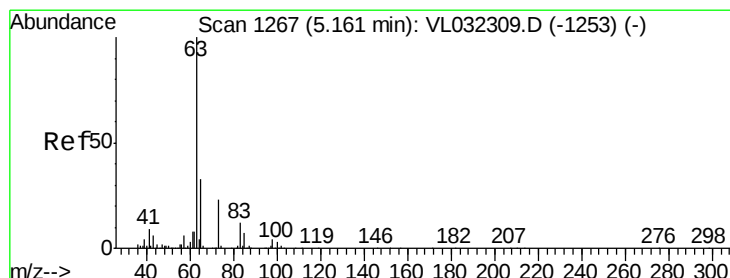
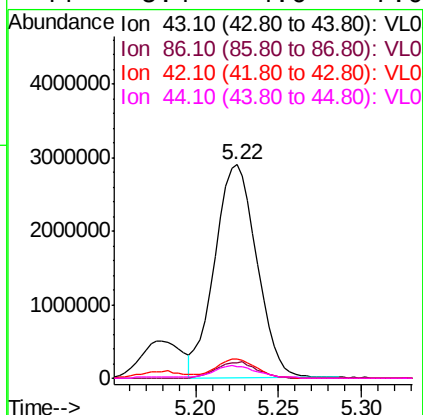
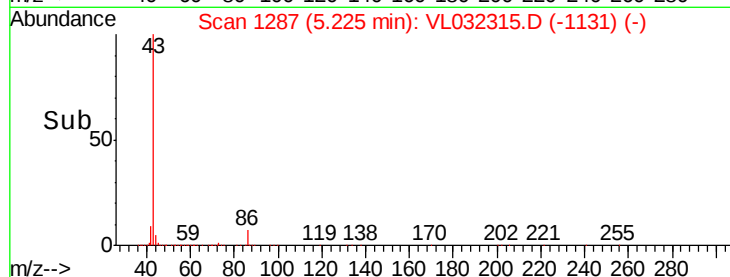
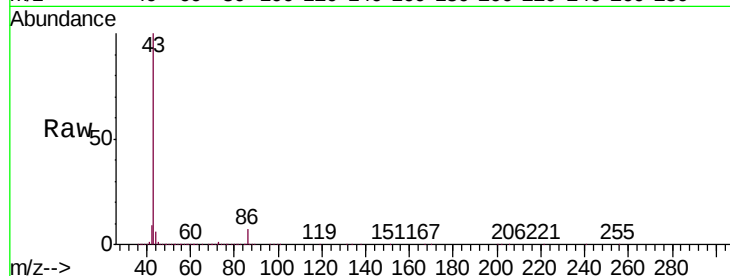


#23
 Vinyl Acetate
 Concen: 13.734 ppbv
 RT: 5.22 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 5113318

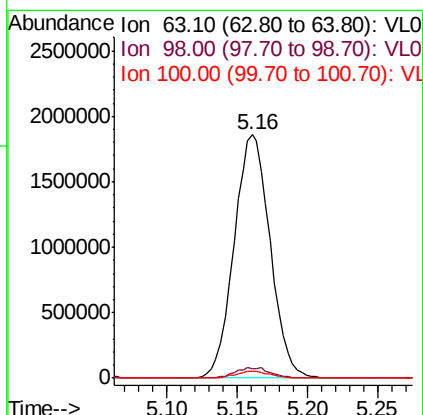
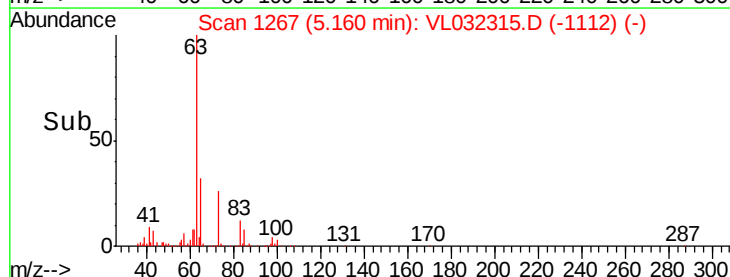
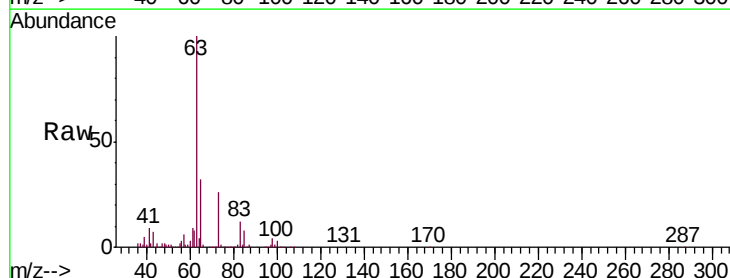
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.3	9.5
42	9.1	7.0	10.4
44	5.4	4.6	7.0

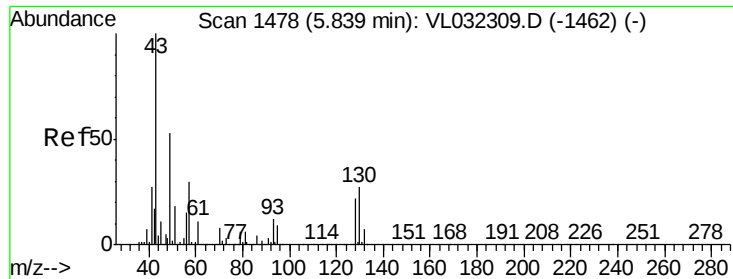


#24
 1,1-Dichloroethane
 Concen: 12.296 ppbv
 RT: 5.16 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 63 Resp: 3315531

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.7	1.3	3.8



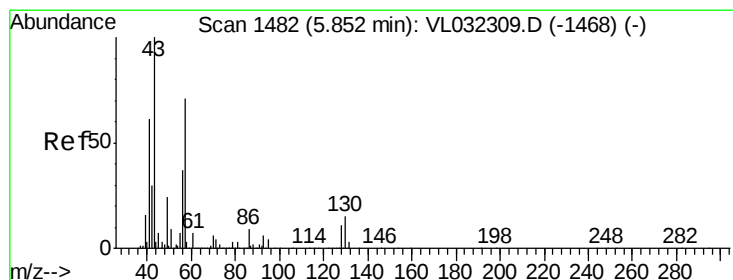
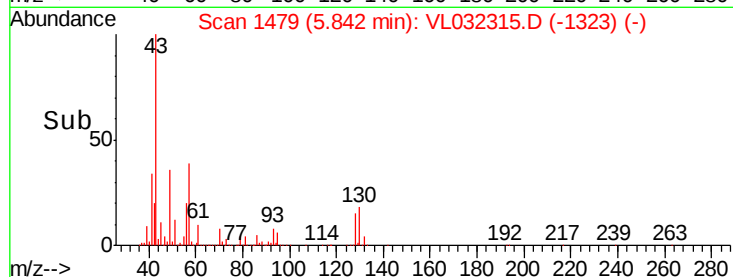
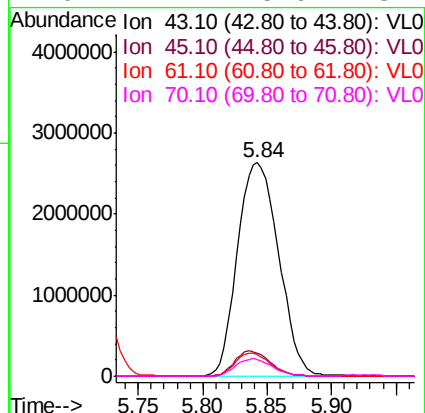
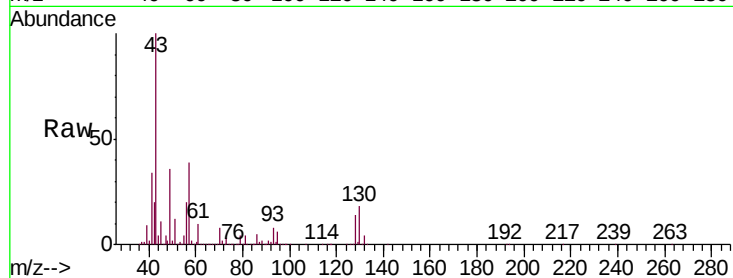


#25
Ethyl Acetate
Concen: 12.896 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 5849964

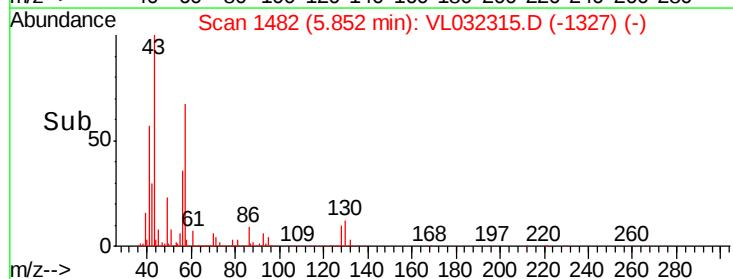
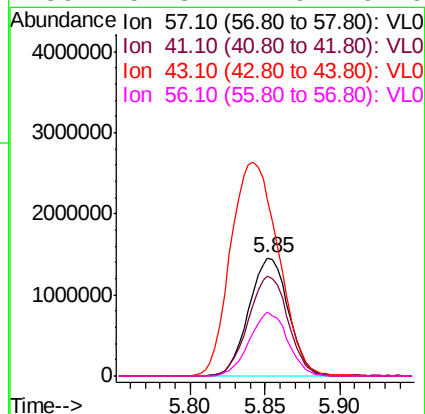
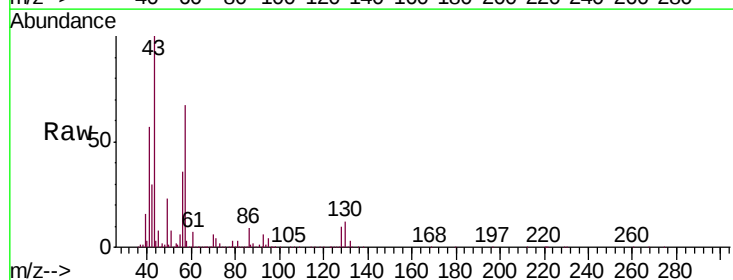
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.5	7.4	11.0
70	7.2	5.6	8.4

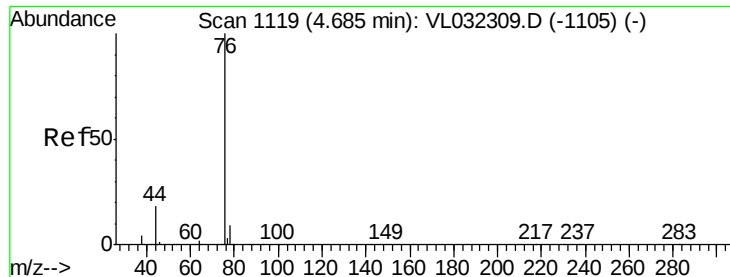


#26
Hexane
Concen: 12.831 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 57 Resp: 2670145

Ion	Ratio	Lower	Upper
57	100		
41	85.5	68.1	102.1
43	220.1	177.4	266.2
56	52.8	41.9	62.9





#27

Carbon Disulfide

Concen: 14.732 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :
MSVOA_L
ClientSampleId :

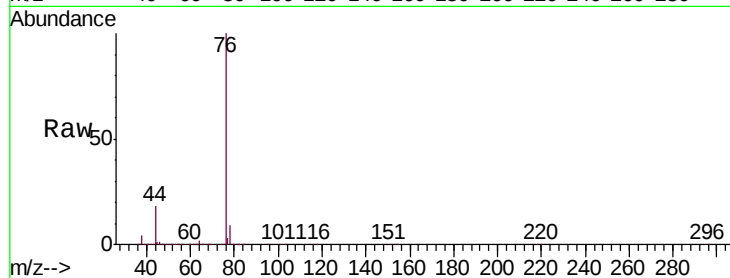
Tot Ion: 76 Resp: 2719062

Ion	Ratio	Lower	Upper
76	100		
44	17.3	14.0	21.0
78	9.3	7.5	11.3

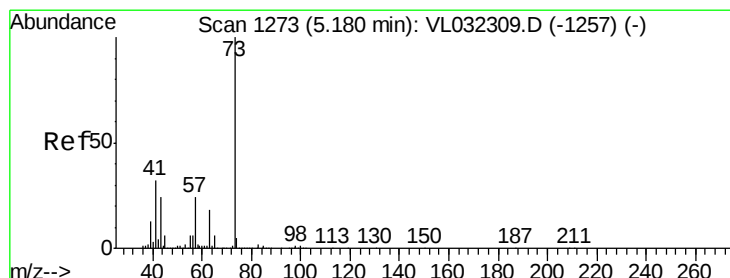
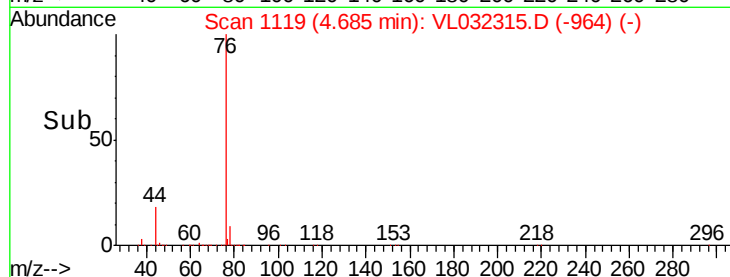
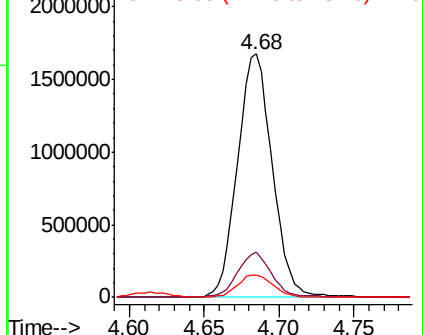
76 100

44 17.3 14.0 21.0

78 9.3 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: 12.822 ppbv

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VL032315.D

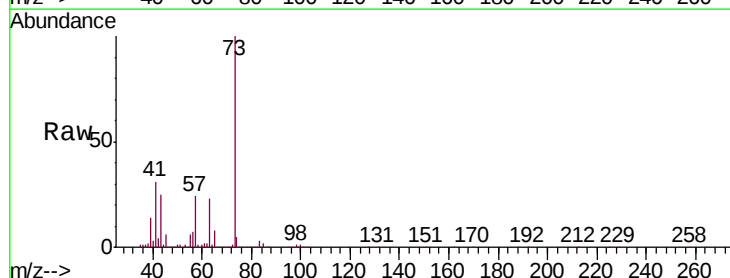
Acq: 27 Jul 2018 4:36

Tgt Ion: 73 Resp: 3904109

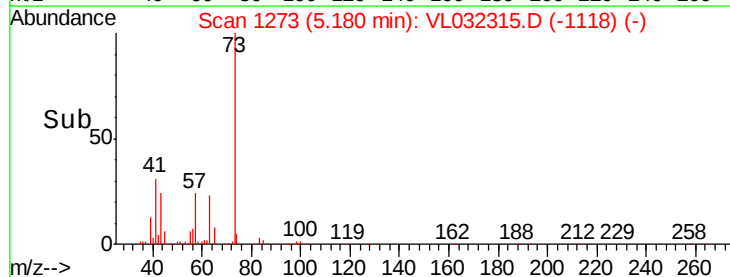
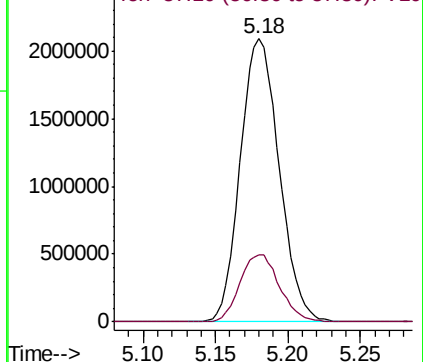
Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.4	29.0

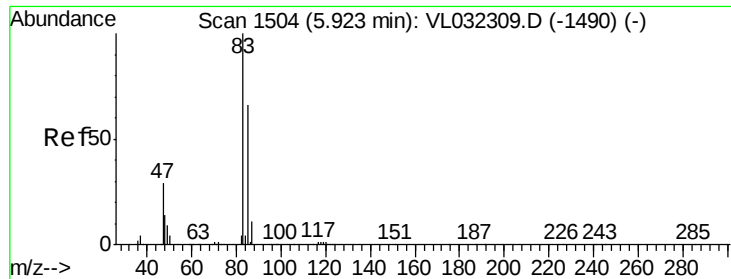
73 100

57 24.4 19.4 29.0



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

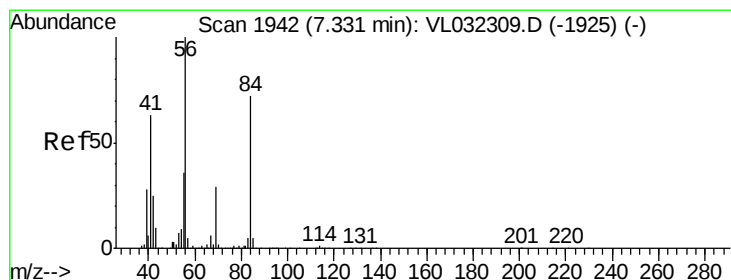
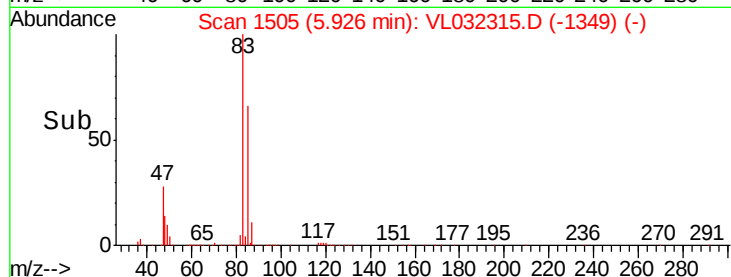
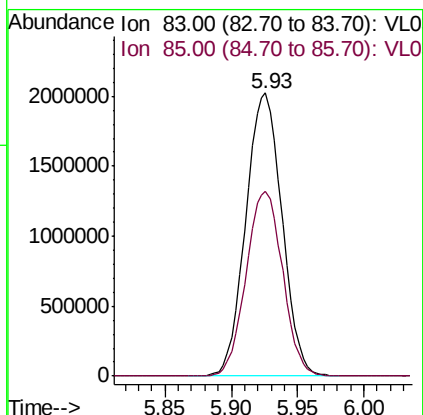
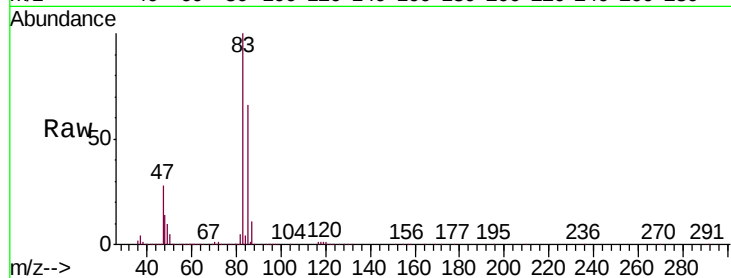




#29
Chloroform
Concen: 12.637 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

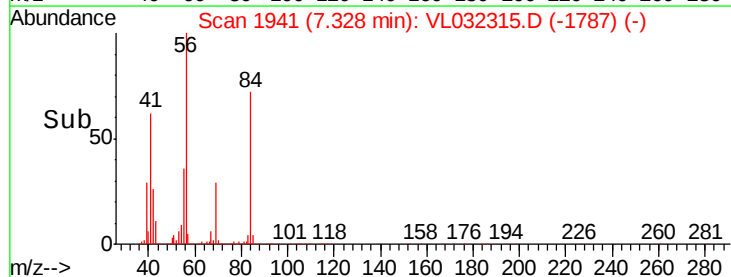
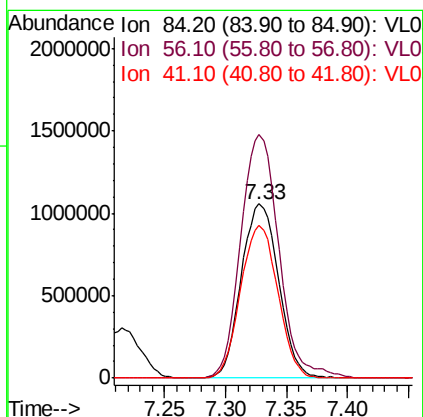
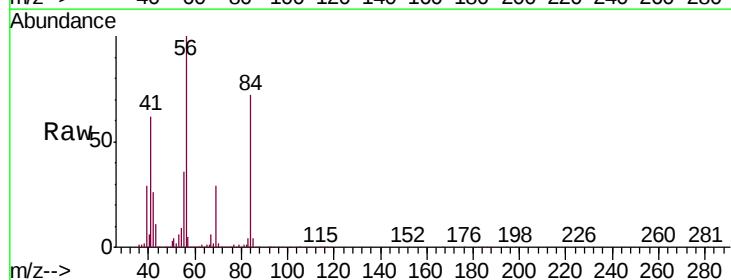
Instrument :
MSVOA_L
ClientSampleId :

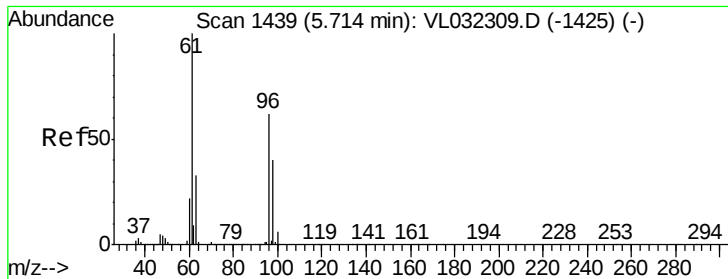
Tot Ion: 83 Resp: 3846397
Ion Ratio Lower Upper
83 100
85 65.3 52.9 79.3



#30
Cyclohexane
Concen: 12.878 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 84 Resp: 2230993
Ion Ratio Lower Upper
84 100
56 143.3 116.8 175.2
41 87.6 70.0 105.0



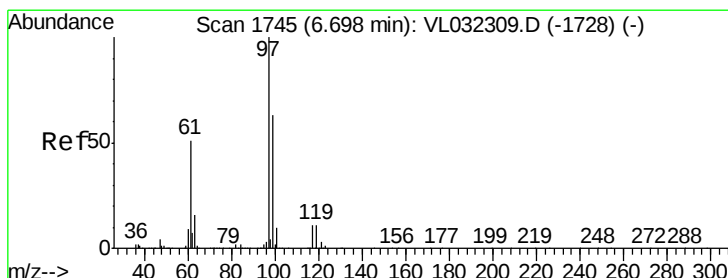
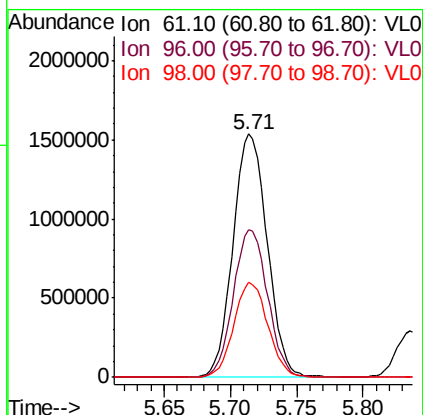
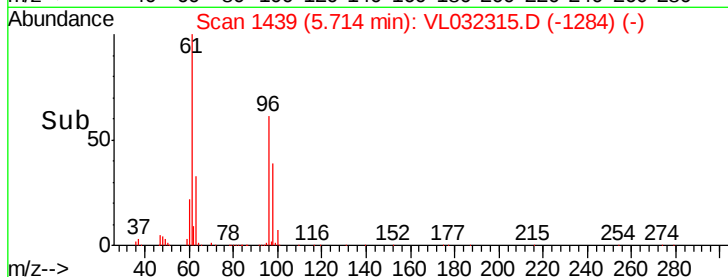
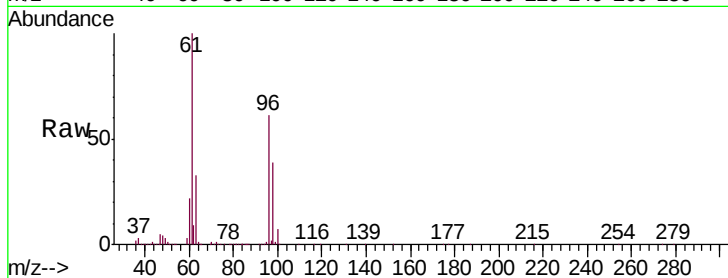


#31
 cis-1,2-Dichloroethene
 Concen: 13.756 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 61 Resp: 2752997

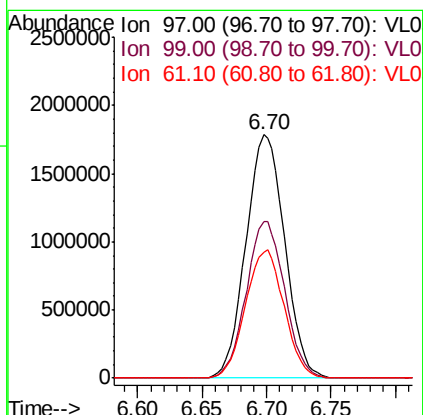
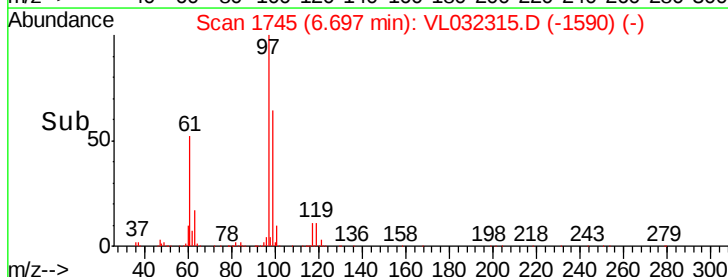
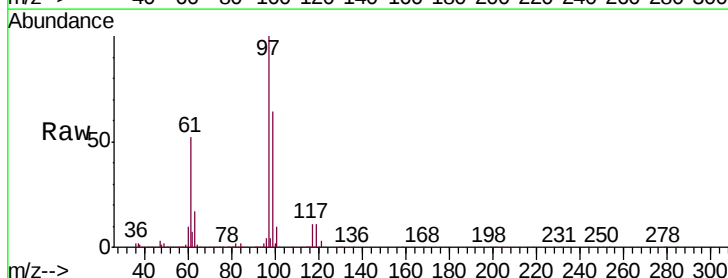
Ion	Ratio	Lower	Upper
61	100		
96	60.9	49.8	74.6
98	38.9	31.8	47.6

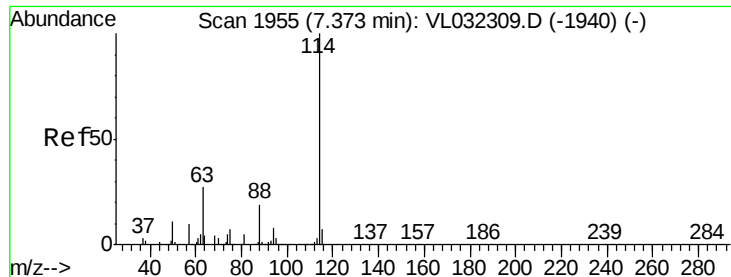


#32
 1,1,1-Trichloroethane
 Concen: 12.144 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 97 Resp: 3743737

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	52.6	41.8	62.6

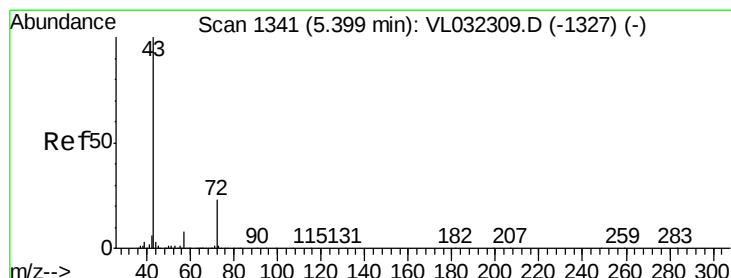
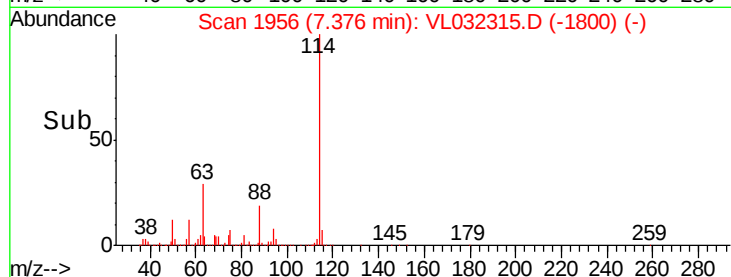
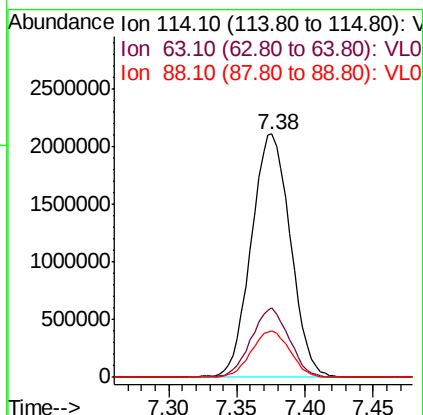
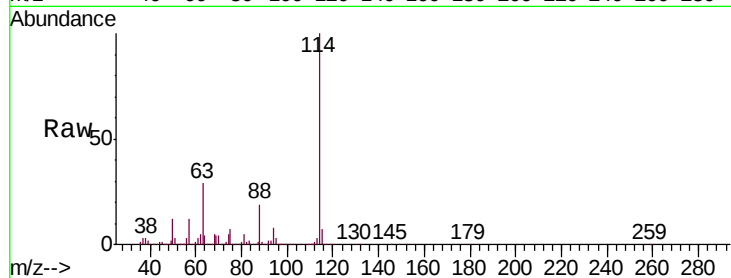




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

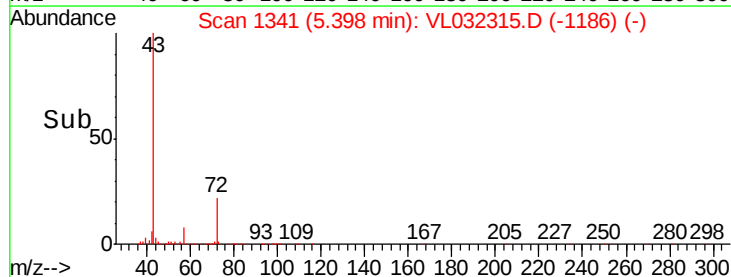
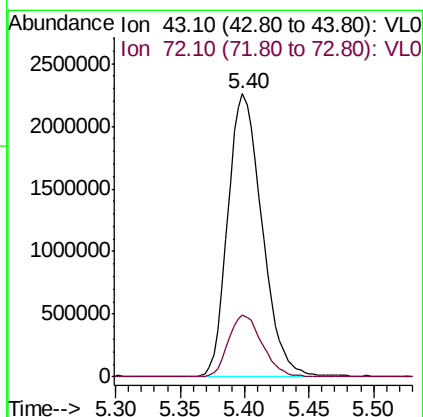
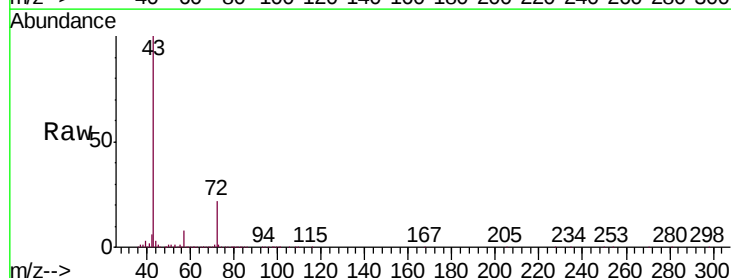
Instrument :
 MSVOA_L
 ClientSampleId :

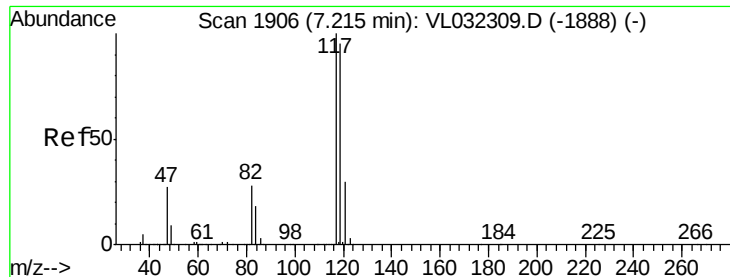
Tot Ion:114 Resp: 4201344
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 18.9 15.3 22.9



#34
 2-Butanone
 Concen: 14.285 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 43 Resp: 4152628
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.4 26.2

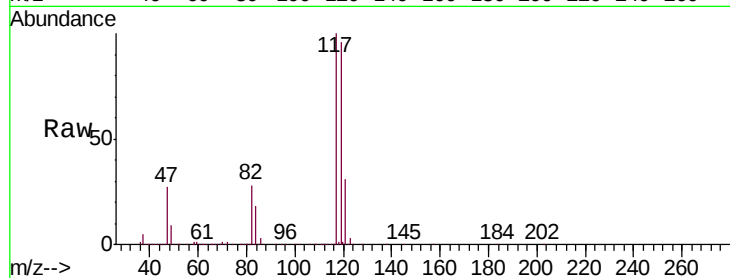




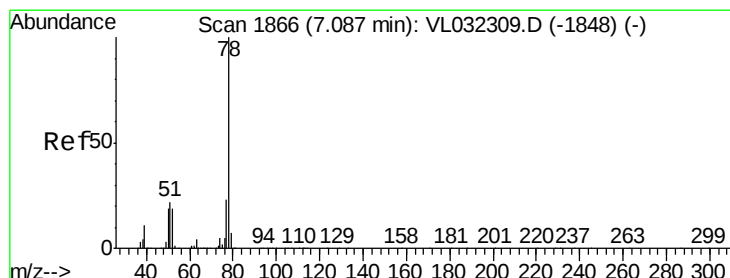
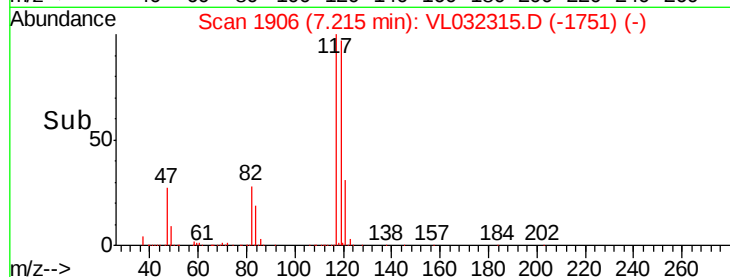
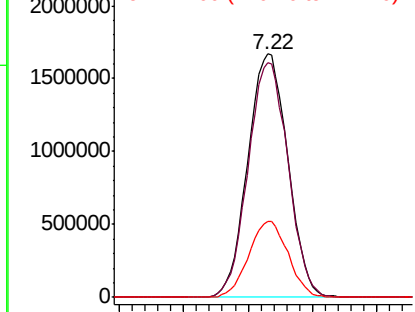
#35
Carbon Tetrachloride
Concen: 12.568 ppbv
RT: 7.22 min Scan# 1906
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 3612372
Ion Ratio Lower Upper
117 100
119 96.3 76.1 114.1
121 31.4 24.4 36.6

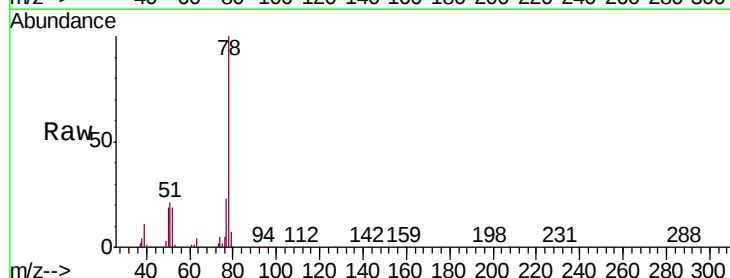


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

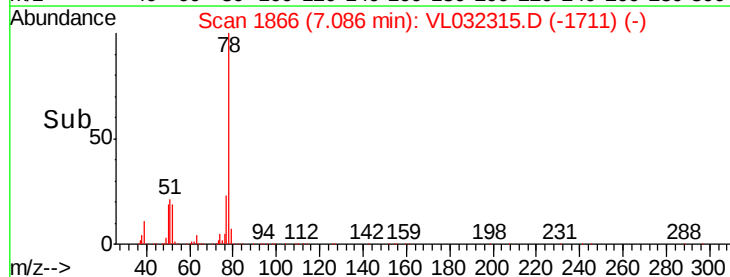
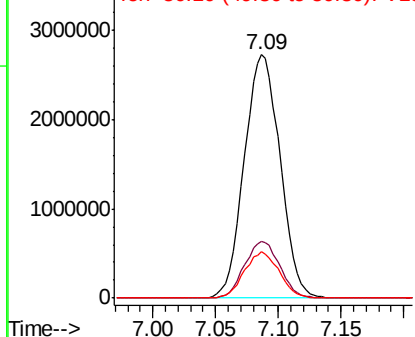


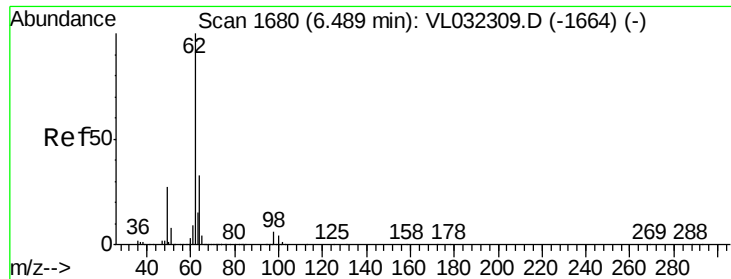
#36
Benzene
Concen: 13.060 ppbv
RT: 7.09 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 78 Resp: 5423692
Ion Ratio Lower Upper
78 100
77 23.4 18.4 27.6
50 18.8 15.3 22.9



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

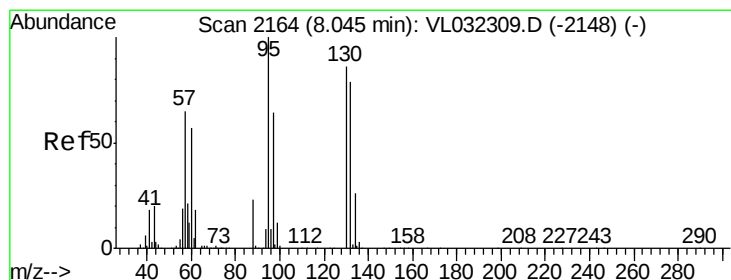
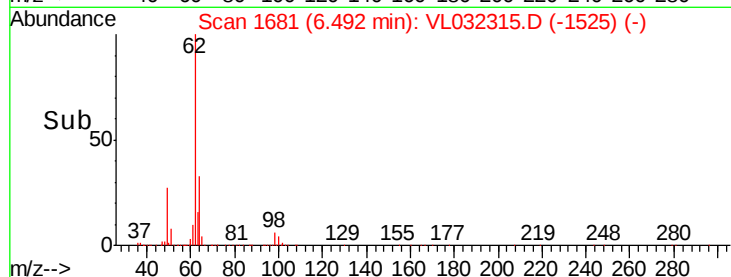
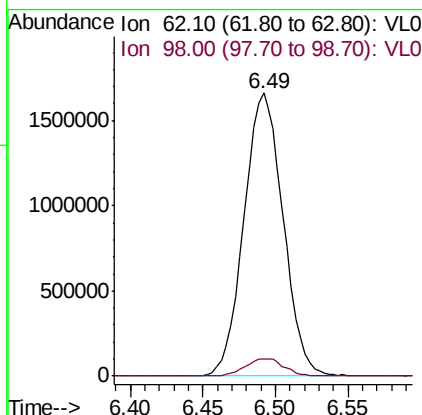
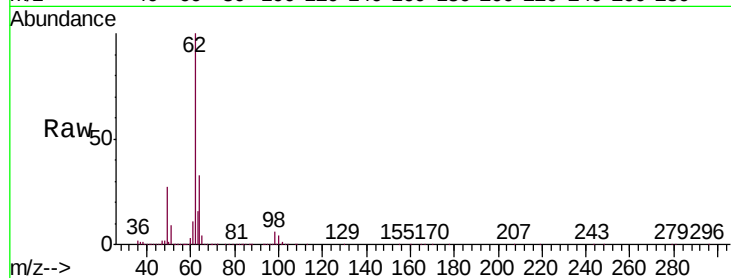




#37
 1,2-Dichloroethane
 Concen: 12.868 ppbv
 RT: 6.49 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

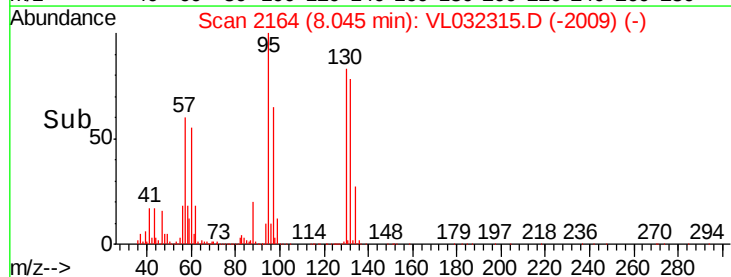
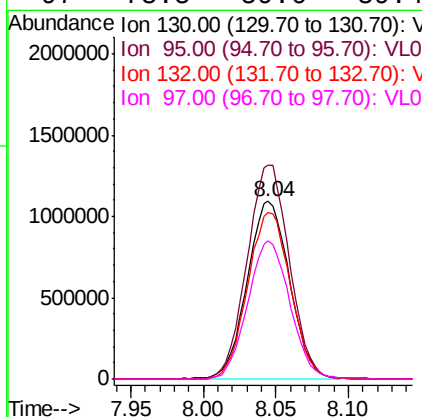
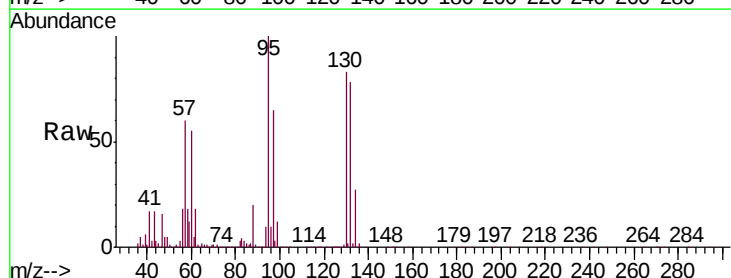
Instrument :
 MSVOA_L
 ClientSampleId :

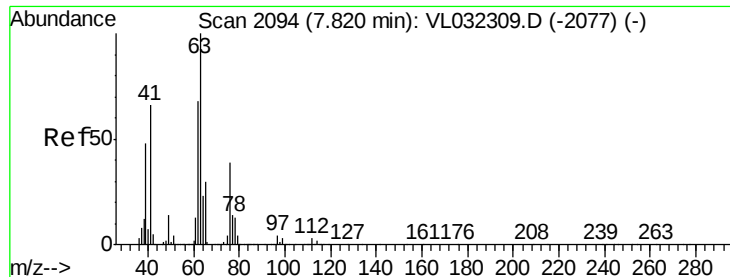
Tot Ion: 62 Resp: 3121160
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.1 7.7



#38
 Trichloroethene
 Concen: 15.636 ppbv
 RT: 8.04 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion:130 Resp: 2198522
 Ion Ratio Lower Upper
 130 100
 95 120.7 92.9 139.3
 132 94.4 73.0 109.4
 97 78.5 59.6 89.4





#39

1,2-Dichloropropane

Concen: 16.266 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

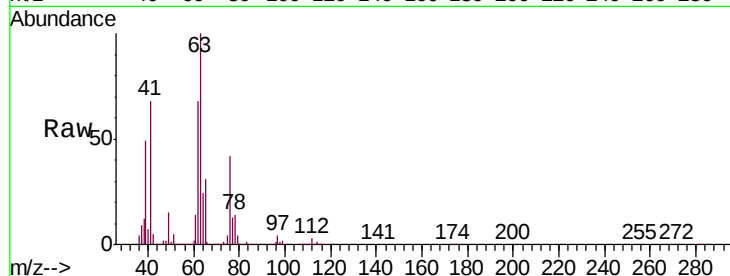
Tot Ion: 63 Resp: 2786653

Ion Ratio Lower Upper

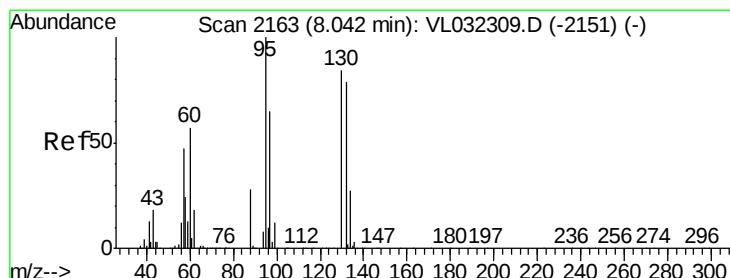
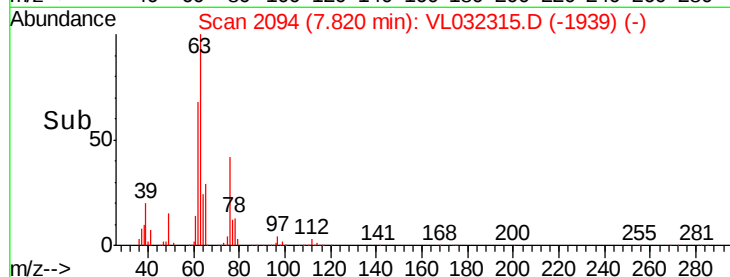
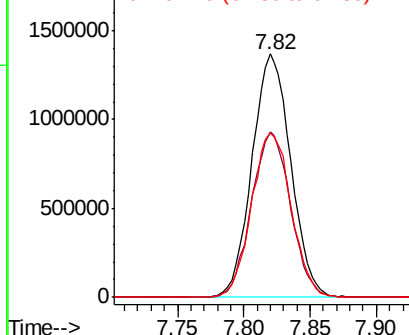
63 100

41 67.8 52.5 78.7

62 67.7 54.6 81.8



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: 13.785 ppbv

RT: 8.03 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion: 88 Resp: 694137

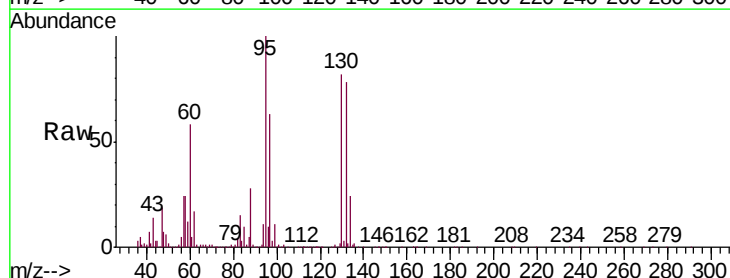
Ion Ratio Lower Upper

88 100

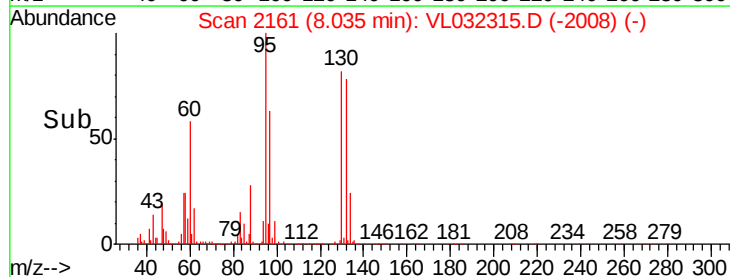
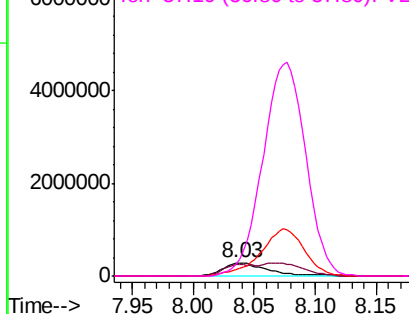
58 161.3 120.5 180.7

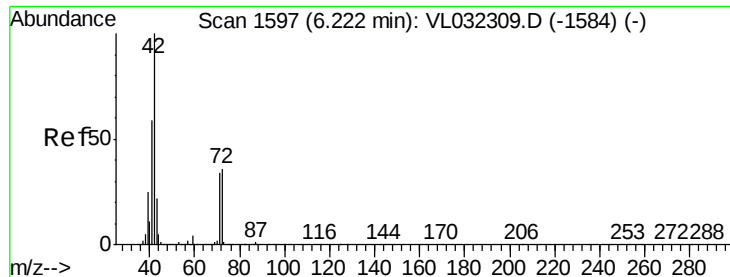
43 364.3 246.2 369.2

57 1631.4 1097.4 1646.2



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 15.274 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. -0.00 min

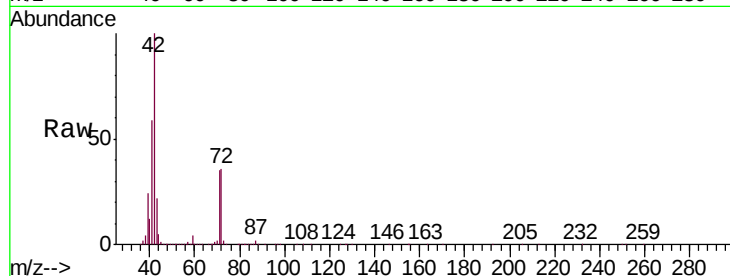
Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 2559142

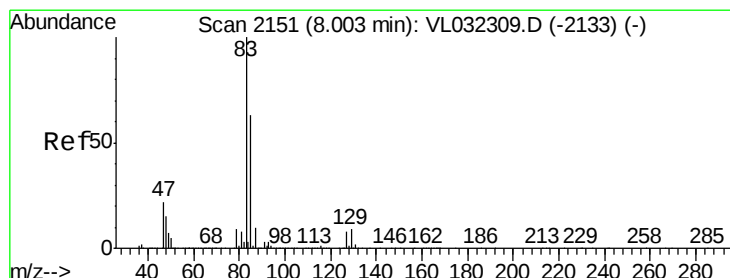
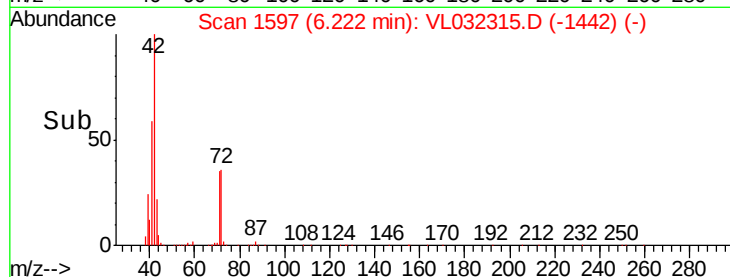
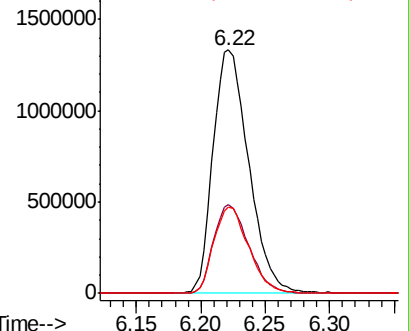
Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.6	42.8
71	34.8	27.8	41.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 16.115 ppbv

RT: 8.00 min Scan# 2151

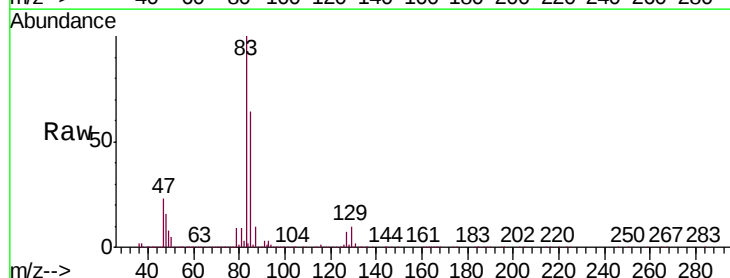
Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion: 83 Resp: 5173315

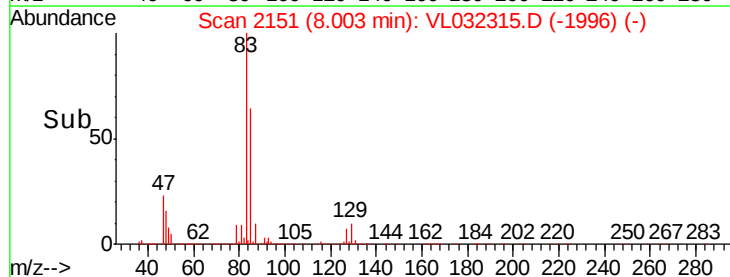
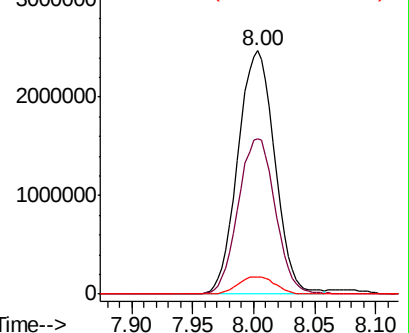
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1
127	7.1	6.0	9.0

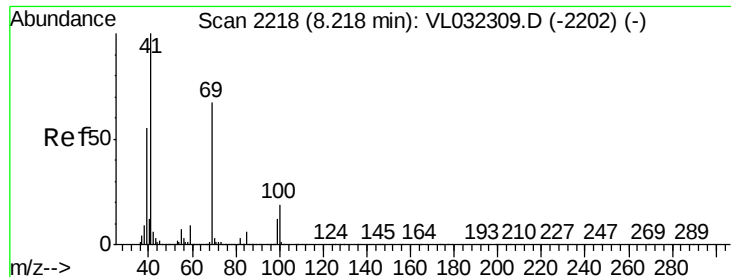


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

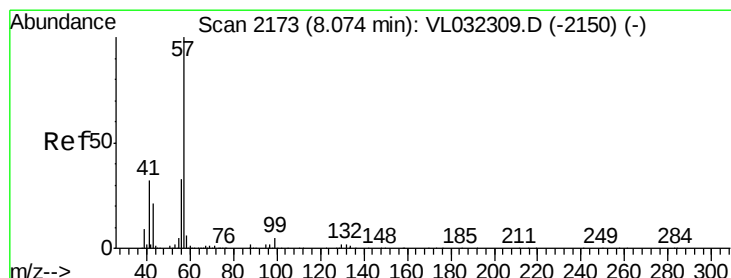
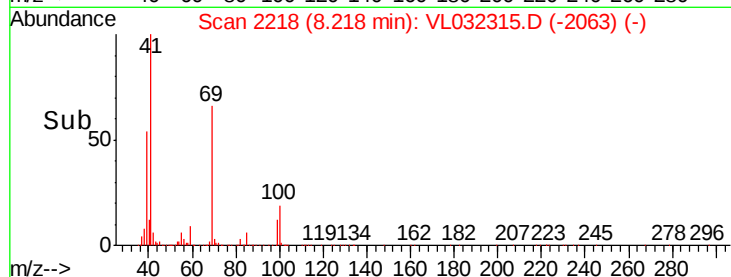
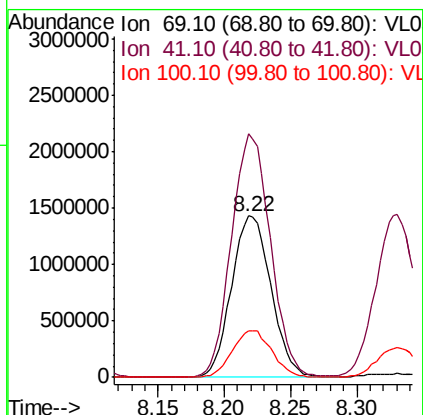
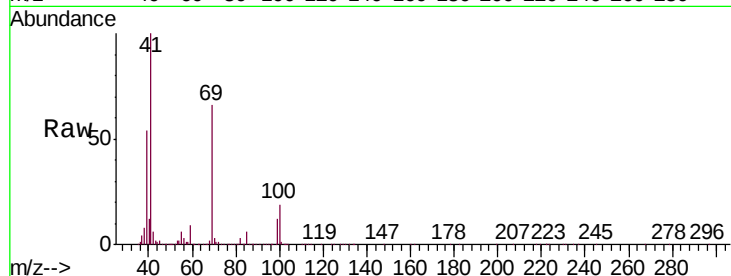




#43
Methvl Methacrilate
Concen: 17.320 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

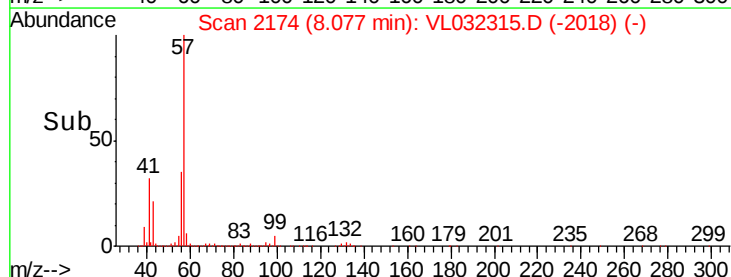
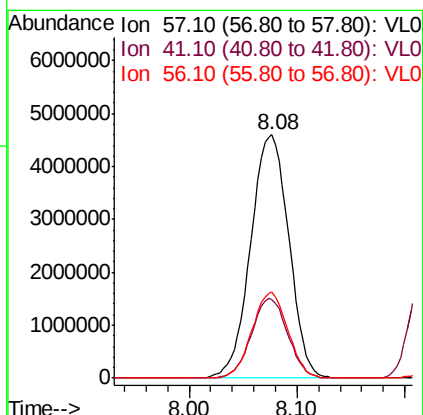
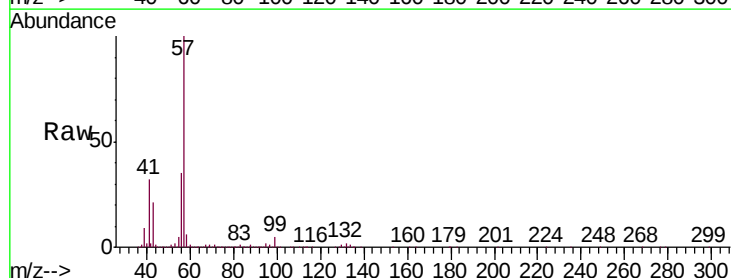
Instrument :
MSVOA_L
ClientSampleId :

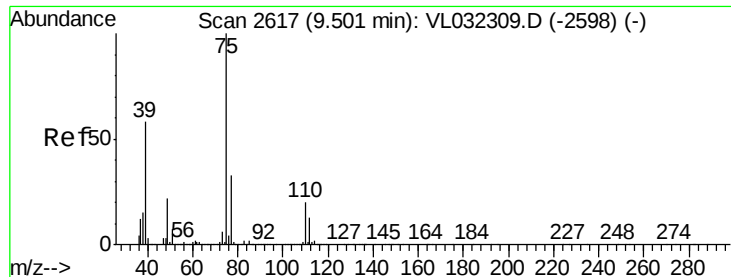
Tot Ion: 69 Resp: 2952826
Ion Ratio Lower Upper
69 100
41 149.9 120.6 180.8
100 29.2 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 15.371 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 57 Resp: 11306406
Ion Ratio Lower Upper
57 100
41 31.4 24.3 36.5
56 33.1 25.4 38.2

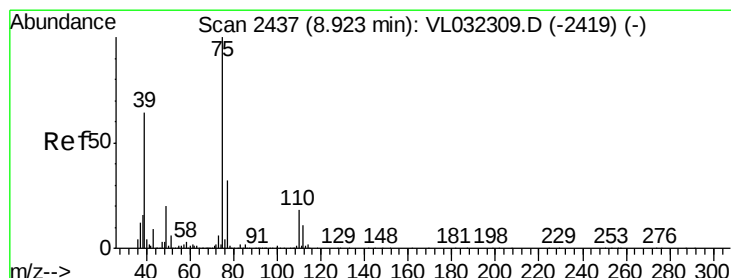
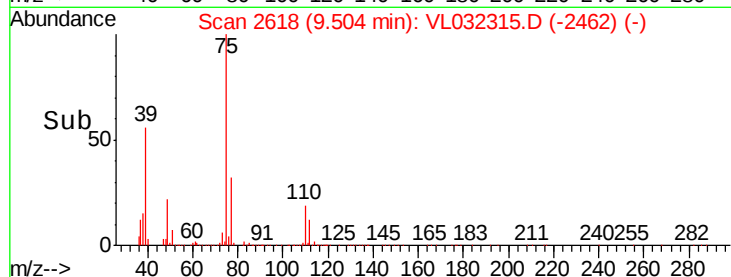
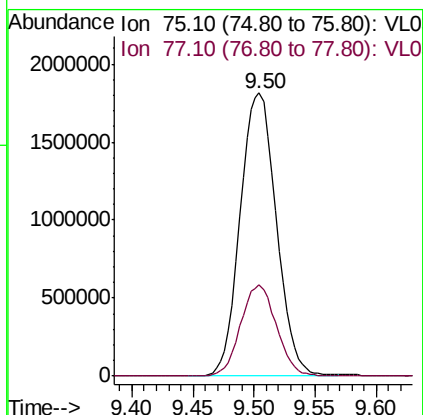
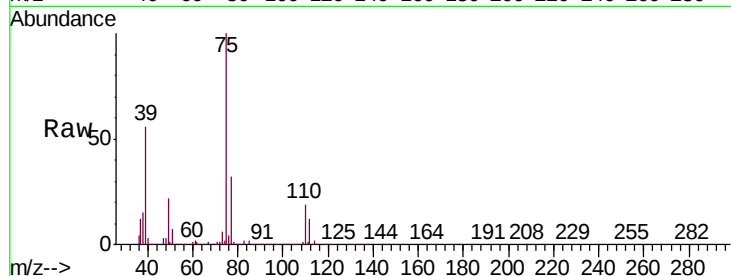




#45
t-1,3-Dichloropropene
Concen: 17.999 ppbv
RT: 9.50 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

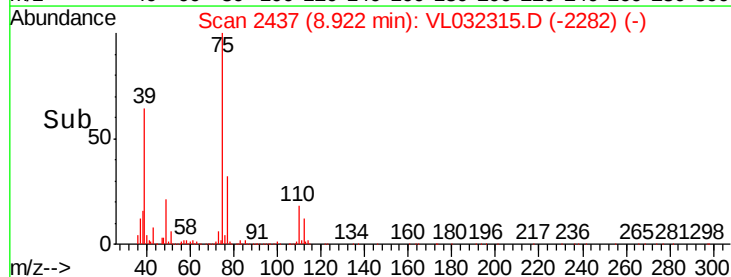
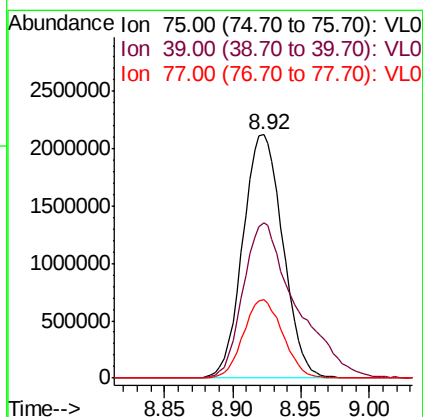
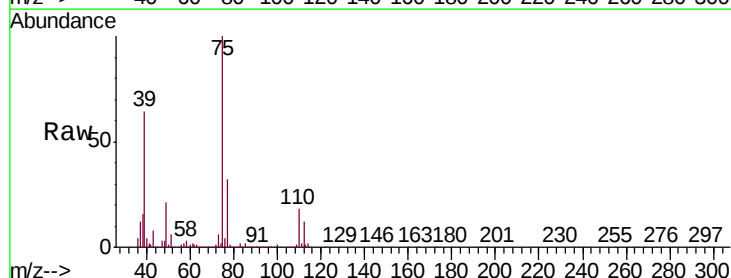
Instrument :
MSVOA_L
ClientSampleId :

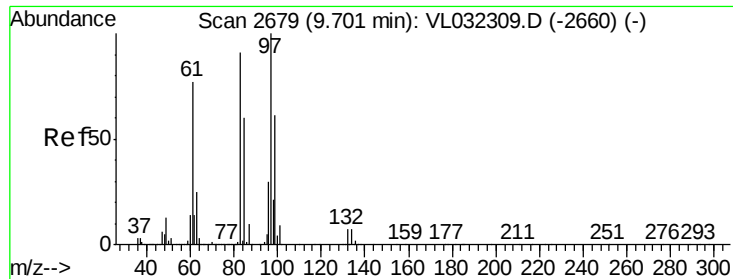
Tot Ion: 75 Resp: 3719636
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.4



#46
cis-1,3-Dichloropropene
Concen: 16.811 ppbv
RT: 8.92 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 75 Resp: 4308047
Ion Ratio Lower Upper
75 100
39 63.9 50.9 76.3
77 32.2 25.7 38.5

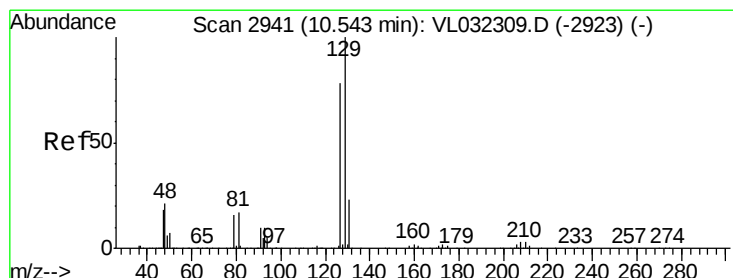
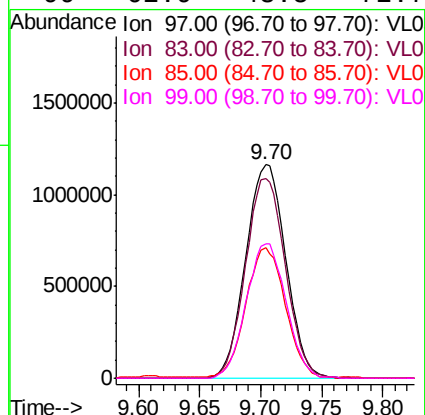
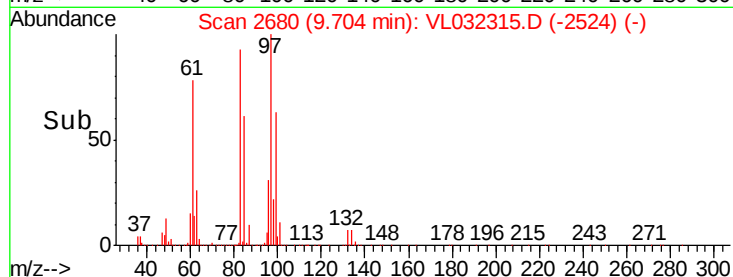
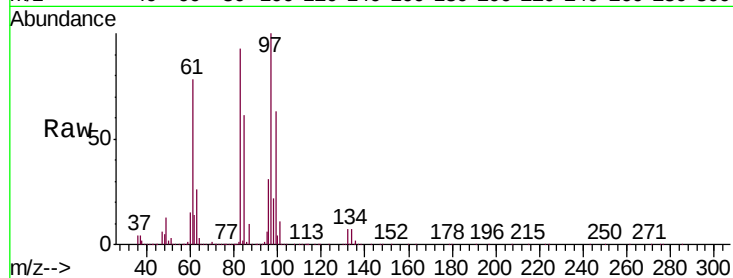




#47
 1,1,2-Trichloroethane
 Concen: 14.828 ppbv
 RT: 9.70 min Scan# 2680
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

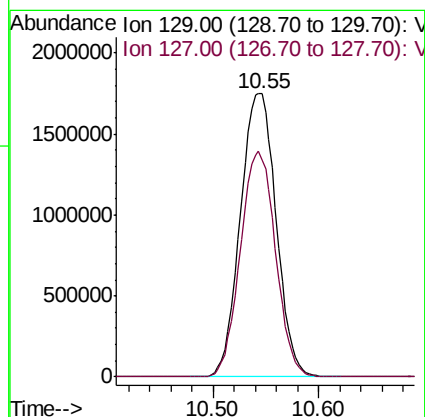
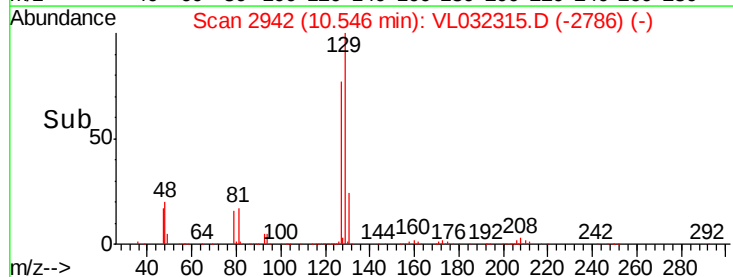
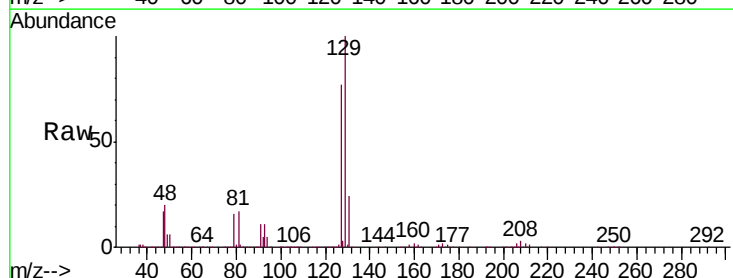
Instrument :
 MSVOA_L
 ClientSampleId :

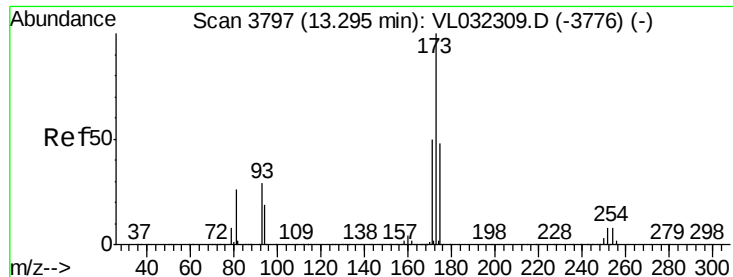
Tot Ion: 97 Resp: 2645915
 Ion Ratio Lower Upper
 97 100
 83 93.3 73.0 109.6
 85 60.6 48.1 72.1
 99 62.9 48.5 72.7



#48
 Dibromochloromethane
 Concen: 15.740 ppbv
 RT: 10.55 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 129 Resp: 4129258
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.5 118.3





#49

Bromoform

Concen: 14.751 ppbv

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

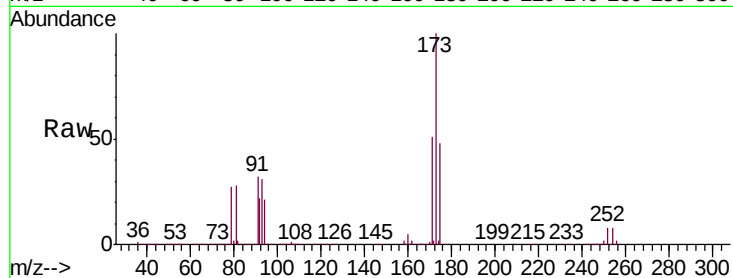
Tot Ion:173 Resp: 3372122

Ion Ratio Lower Upper

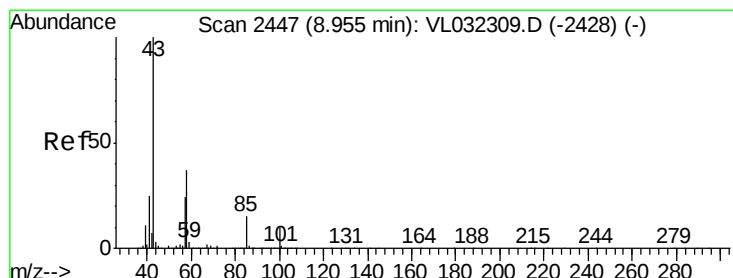
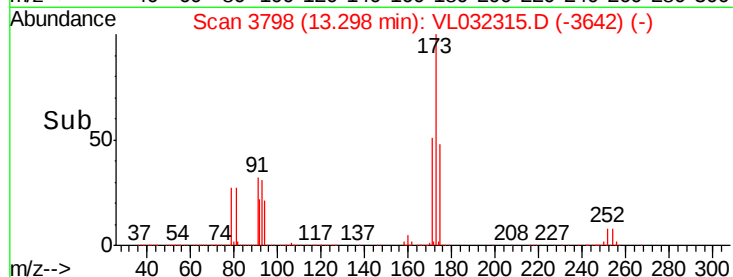
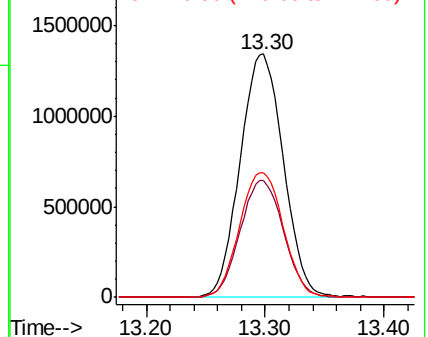
173 100

175 48.8 38.9 58.3

171 52.2 42.2 63.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 15.387 ppbv

RT: 8.95 min Scan# 2447

Delta R.T. -0.00 min

Lab File: VL032315.D

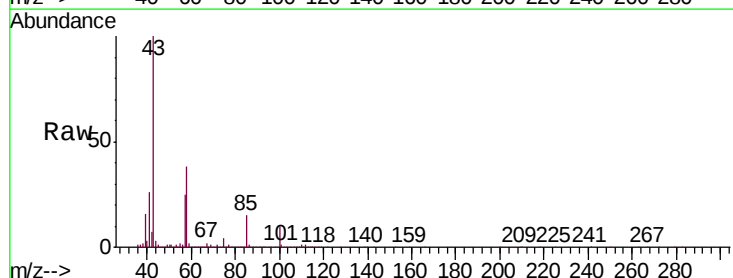
Acq: 27 Jul 2018 4:36

Tgt Ion: 43 Resp: 7379919

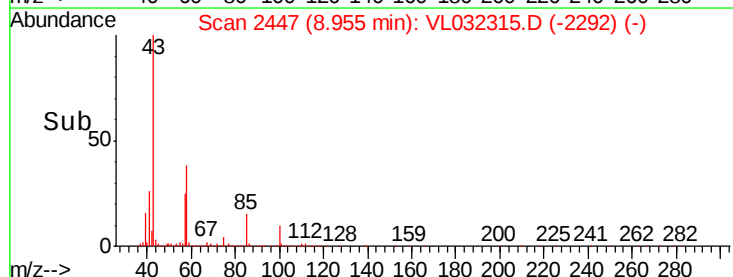
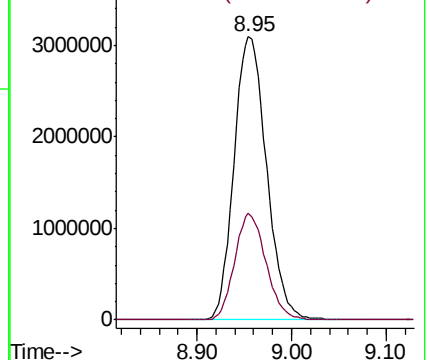
Ion Ratio Lower Upper

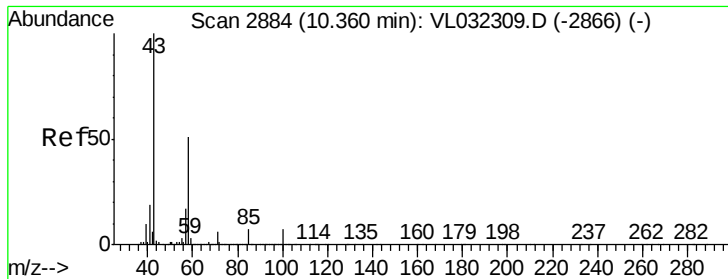
43 100

58 36.4 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 16.244 ppbv

RT: 10.36 min Scan# 2884

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

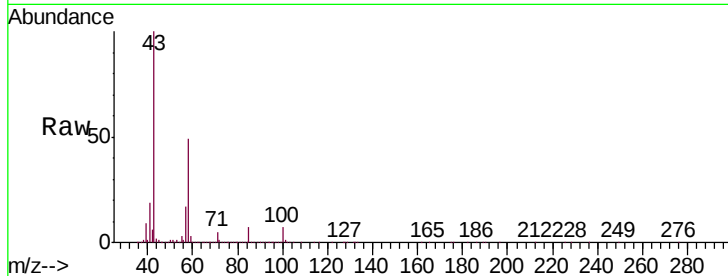
Tot Ion: 43 Resp: 6131564

Ion Ratio Lower Upper

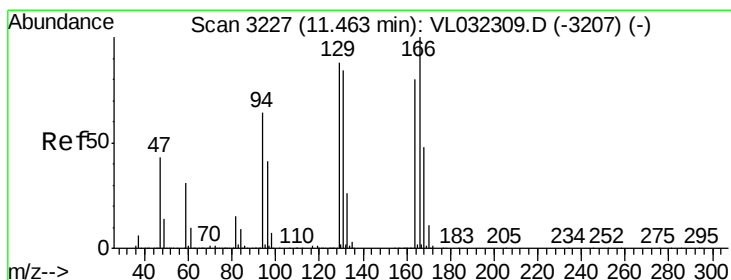
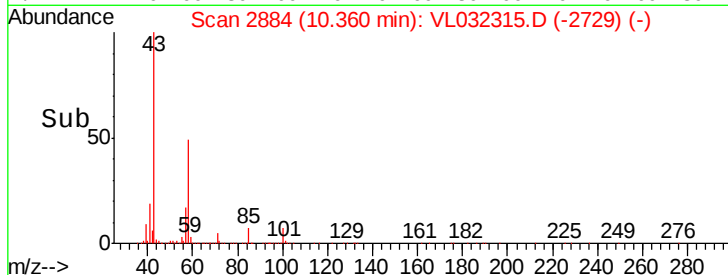
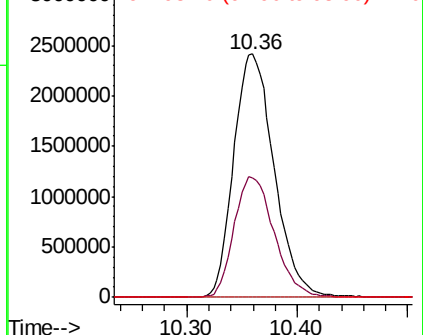
43 100

58 49.3 39.1 58.7

98 0.3 0.3 0.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 13.550 ppbv

RT: 11.46 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion:164 Resp: 1940684

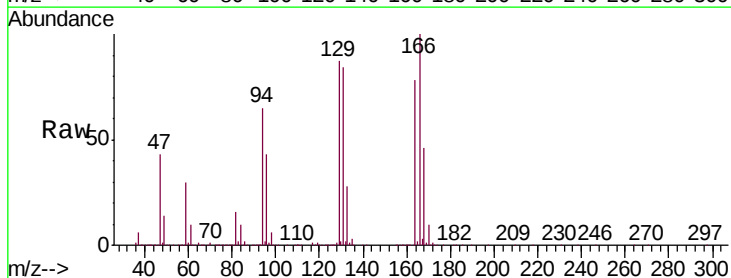
Ion Ratio Lower Upper

164 100

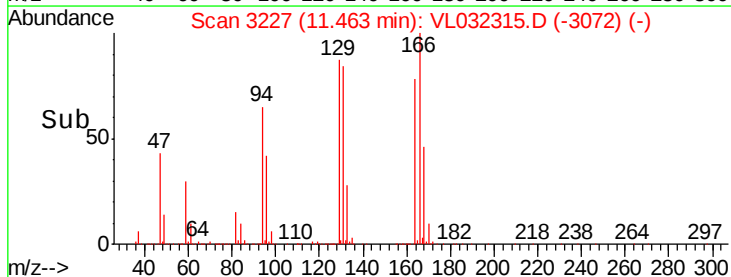
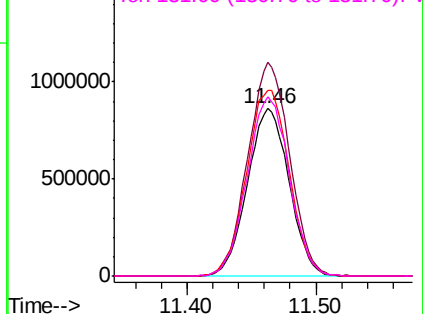
166 127.7 100.0 150.0

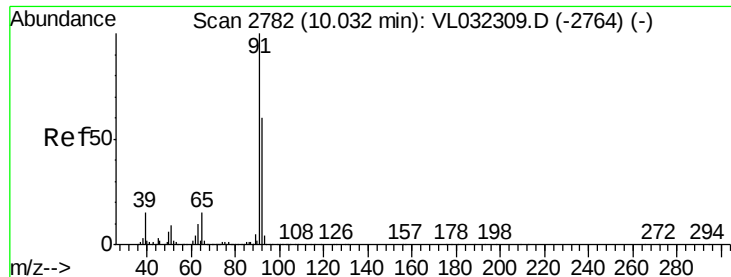
129 110.8 87.9 131.9

131 107.2 83.8 125.8



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: 12.384 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

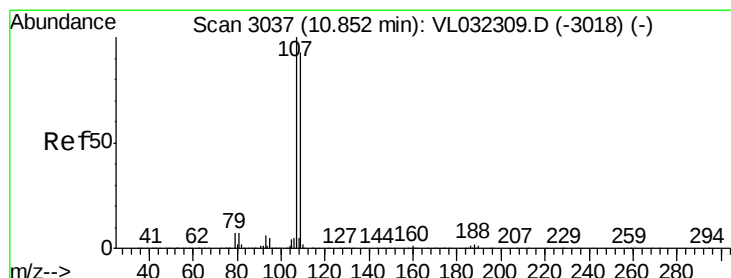
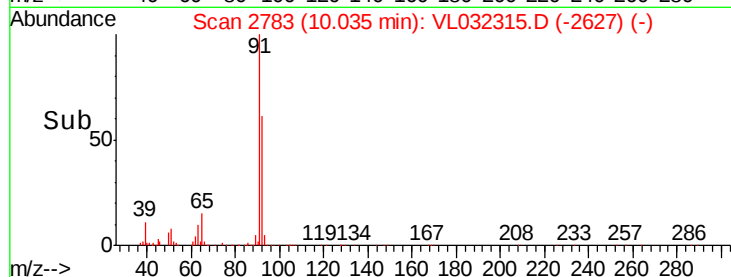
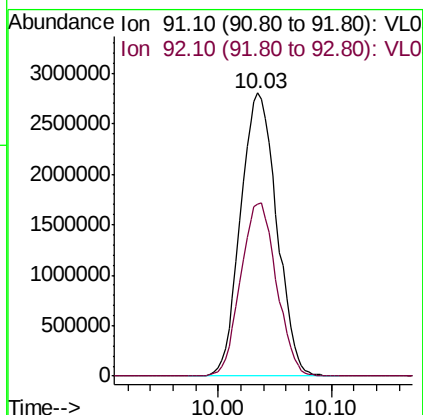
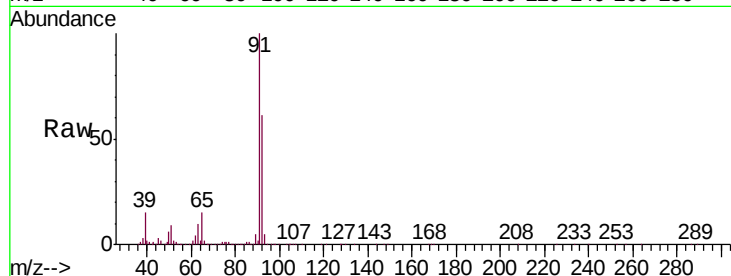
ClientSampleId :

Tot Ion: 91 Resp: 6228405

Ion Ratio Lower Upper

91 100

92 60.8 48.6 72.8



#54

1,2-Dibromoethane

Concen: 14.957 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VL032315.D

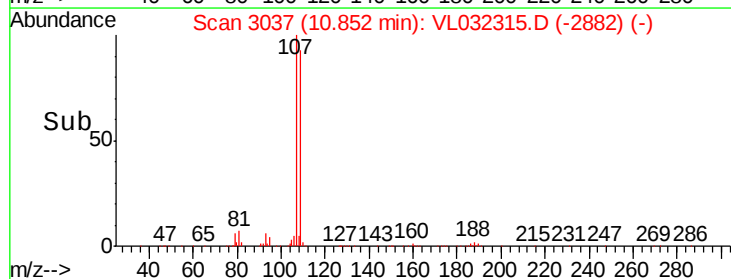
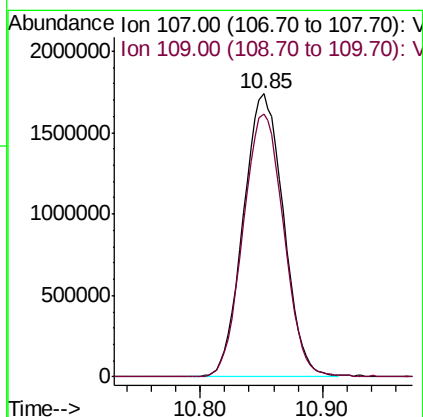
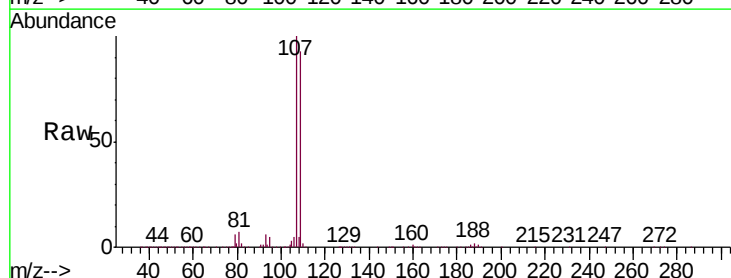
Acq: 27 Jul 2018 4:36

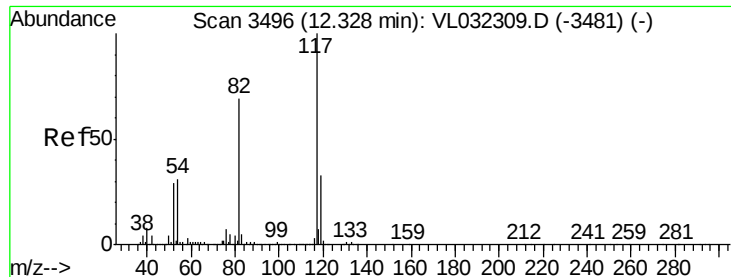
Tgt Ion: 107 Resp: 3960156

Ion Ratio Lower Upper

107 100

109 92.9 74.1 111.1

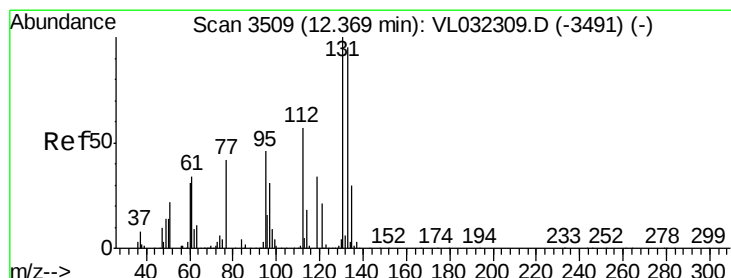
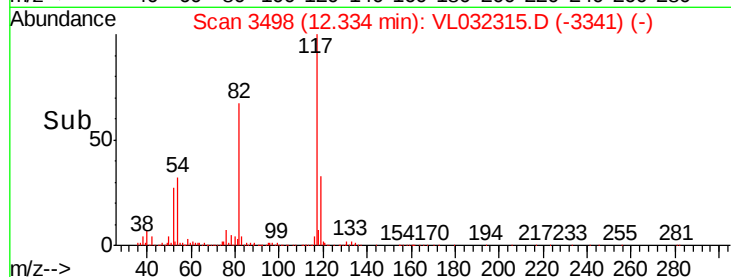
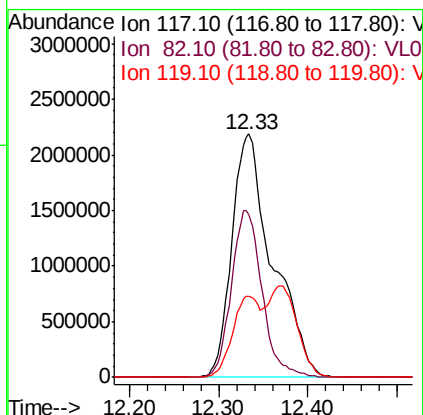
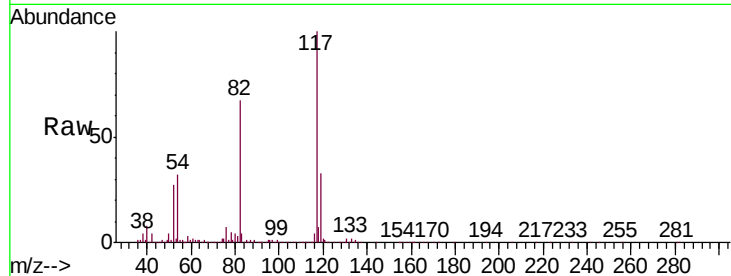




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. 0.01 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

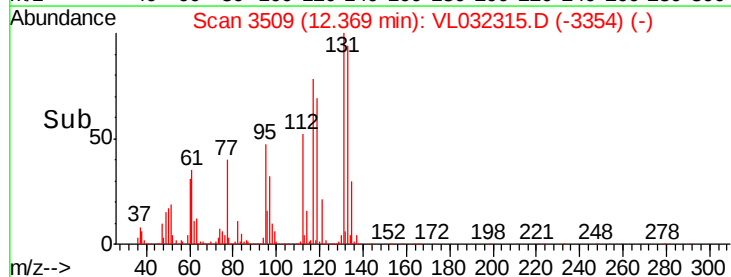
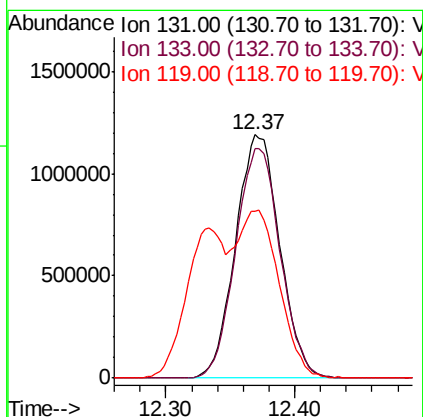
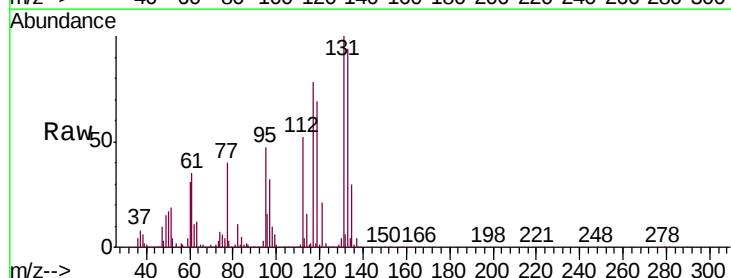
Instrument :
MSVOA_L
ClientSampled :

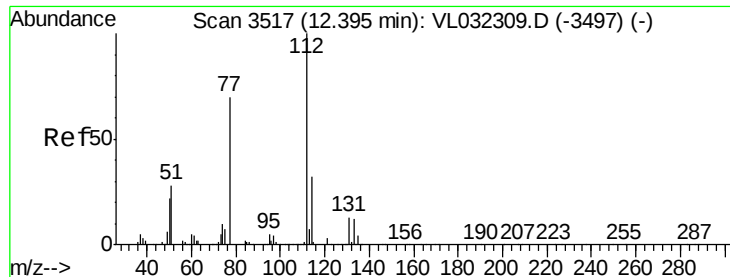
Tot Ion:117 Resp: 6932722
Ion Ratio Lower Upper
117 100
82 51.9 52.6 78.8#
119 25.2 25.7 38.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.221 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion:131 Resp: 2833199
Ion Ratio Lower Upper
131 100
133 95.8 75.8 113.6
119 69.8 48.1 72.1





#57

Chlorobenzene

Concen: 9.255 ppbv

RT: 12.39 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

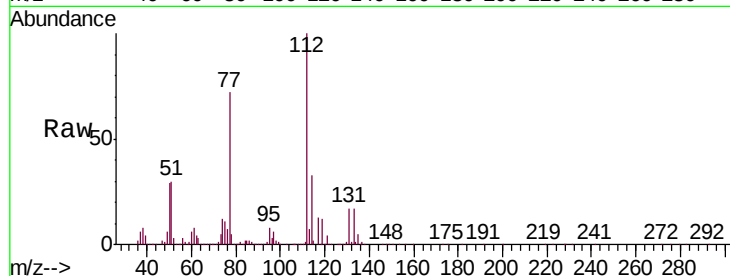
Tot Ion:112 Resp: 5254580

Ion Ratio Lower Upper

112 100

77 72.0 56.5 84.7

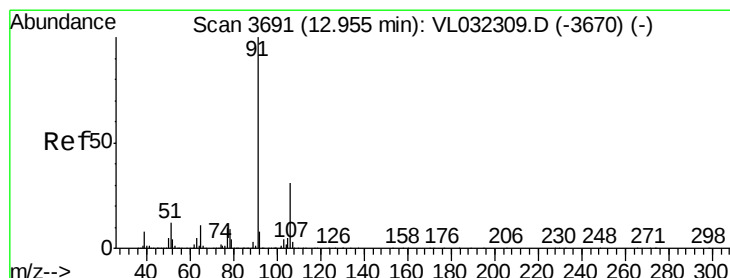
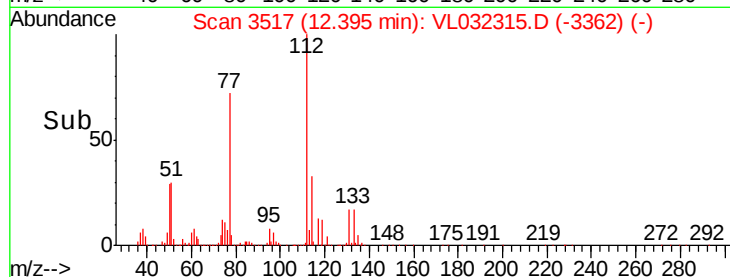
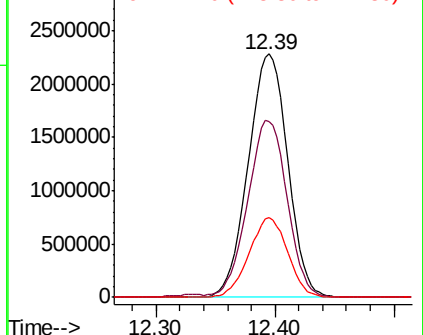
114 32.8 28.4 34.7



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: 10.124 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL032315.D

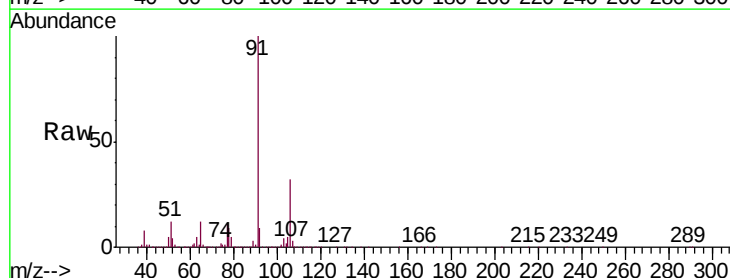
Acq: 27 Jul 2018 4:36

Tgt Ion: 91 Resp: 9727577

Ion Ratio Lower Upper

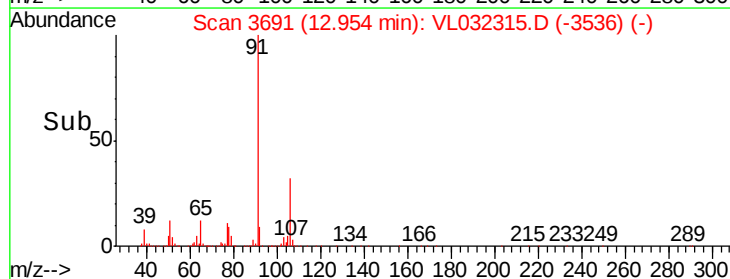
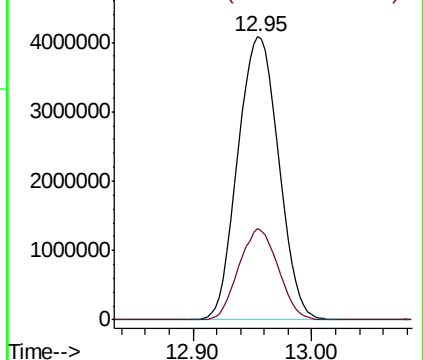
91 100

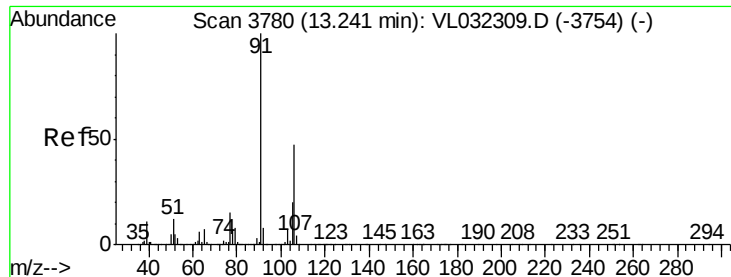
106 32.1 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

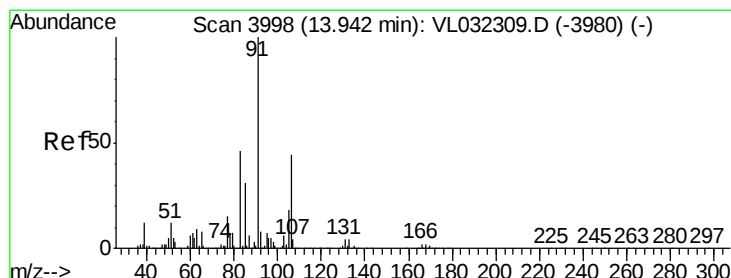
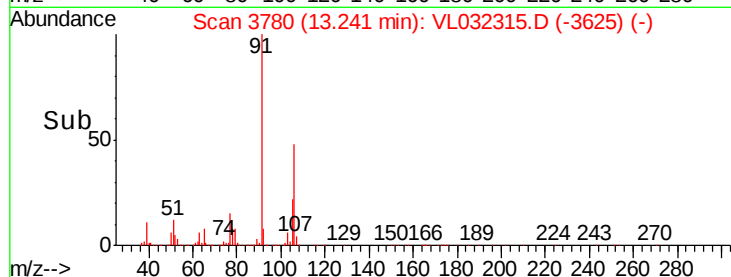
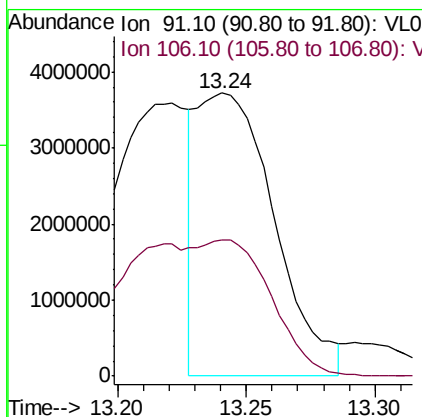
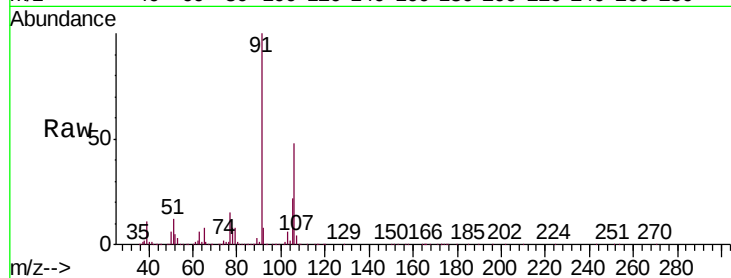




#59
m/p-Xylene
Concen: 9.301 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

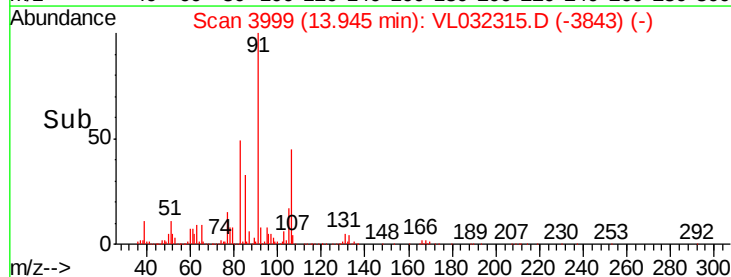
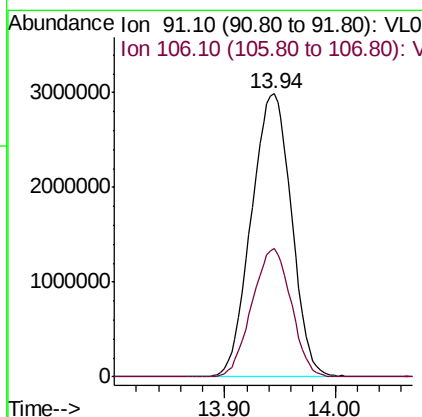
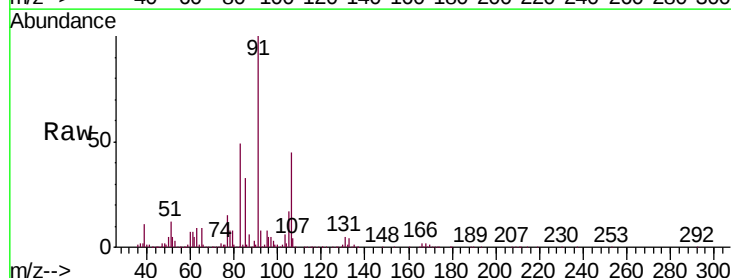
Instrument :
MSVOA_L
ClientSampleId :

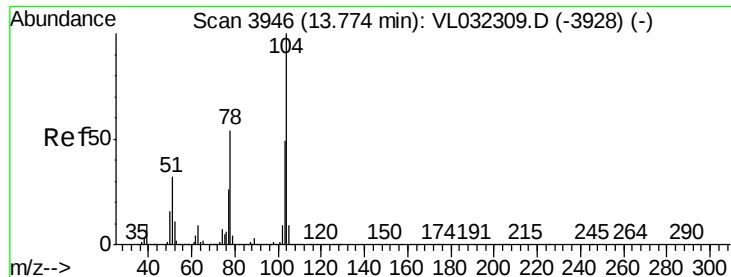
Tot Ion: 91 Resp: 7710791
Ion Ratio Lower Upper
91 100
106 93.4 36.4 54.6#



#60
o-Xylene
Concen: 9.097 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 91 Resp: 7516141
Ion Ratio Lower Upper
91 100
106 44.4 22.4 67.0

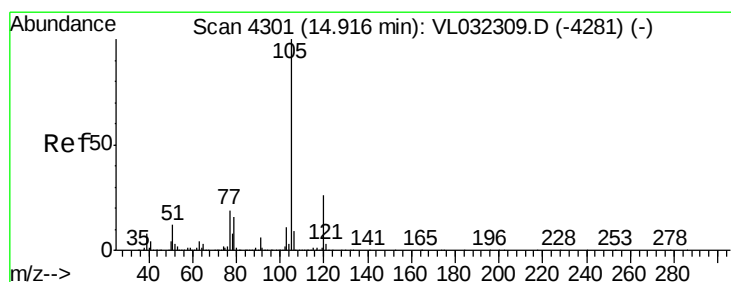
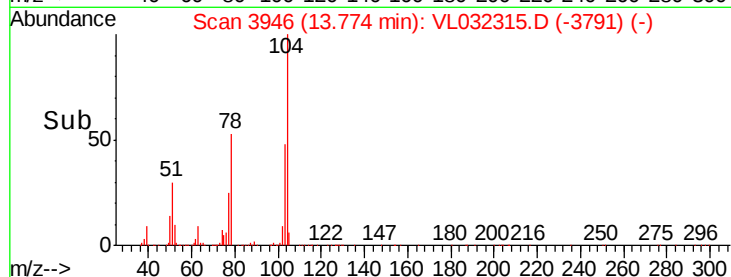
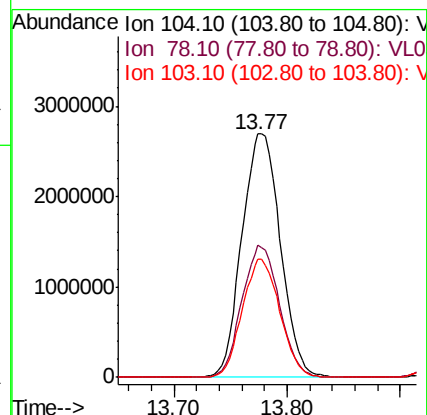
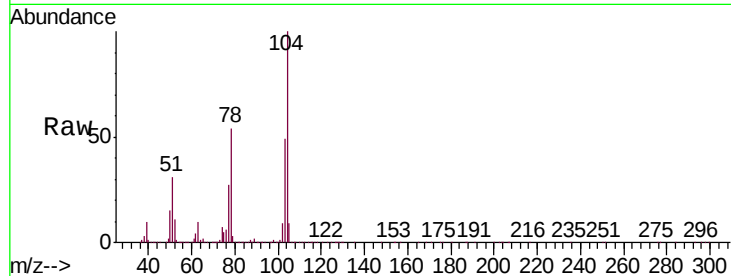




#61
Stvrene
Concen: 10.510 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

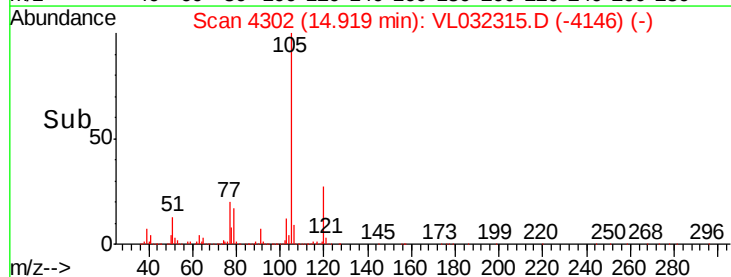
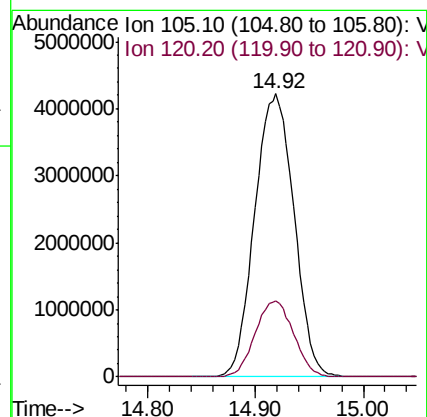
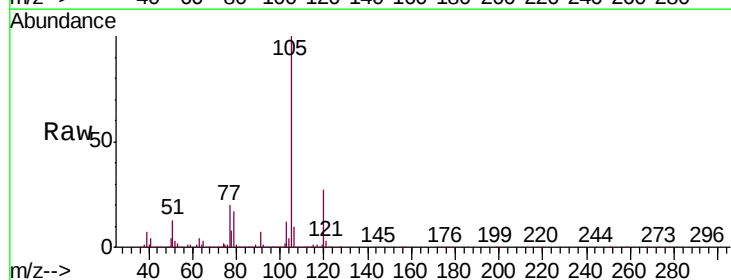
Instrument :
MSVOA_L
ClientSampleId :

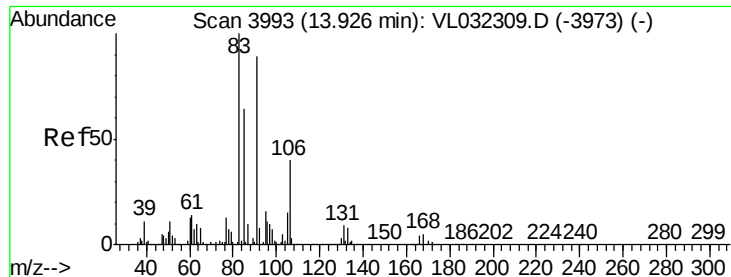
Tot Ion:104 Resp: 6380607
Ion Ratio Lower Upper
104 100
78 52.9 42.6 63.8
103 47.4 38.0 57.0



#62
Isopropylbenzene
Concen: 9.124 ppbv
RT: 14.92 min Scan# 4302
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion:105 Resp:10671855
Ion Ratio Lower Upper
105 100
120 26.3 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.990 ppbv

RT: 13.93 min Scan# 3994

Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

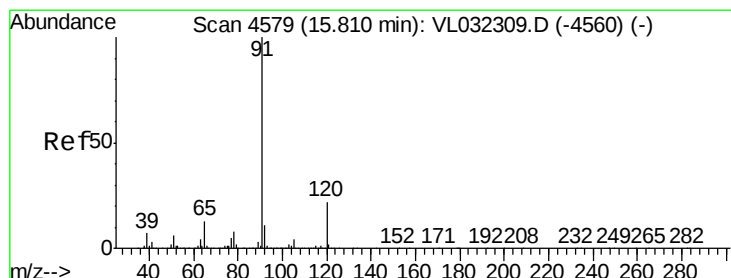
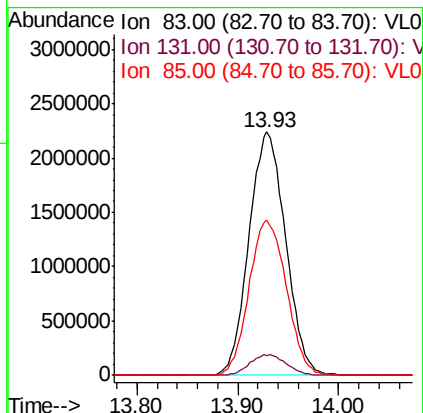
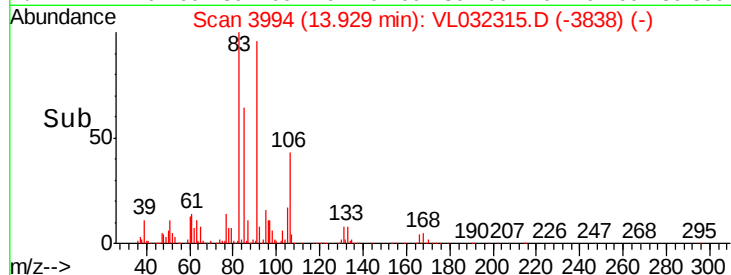
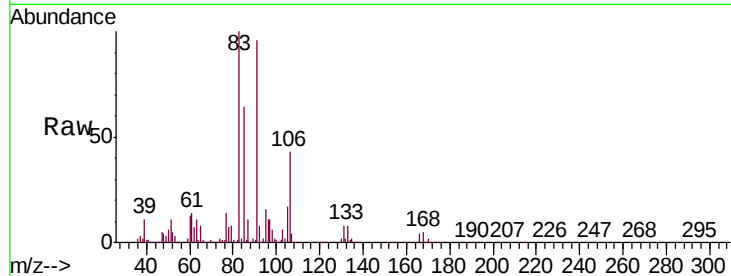
Tot Ion: 83 Resp: 5639840

Ion Ratio Lower Upper

83 100

131 8.6 4.3 12.8

85 65.0 32.6 97.7



#64

n-propylbenzene

Concen: 9.608 ppbv

RT: 15.81 min Scan# 4580

Delta R.T. 0.00 min

Lab File: VL032315.D

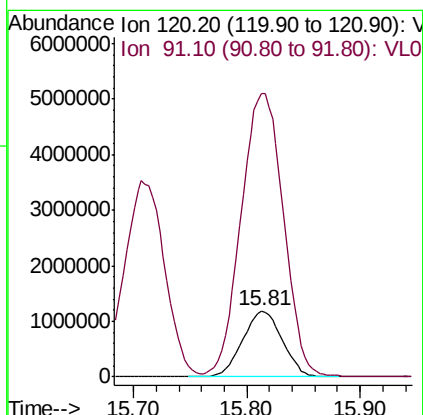
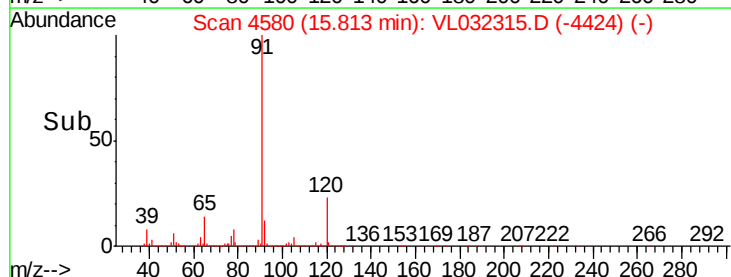
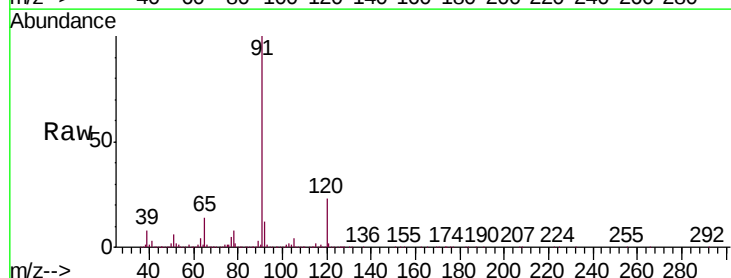
Acq: 27 Jul 2018 4:36

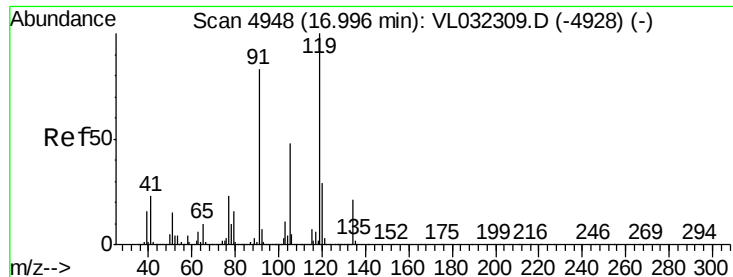
Tgt Ion: 120 Resp: 2882548

Ion Ratio Lower Upper

120 100

91 462.0 381.8 572.8

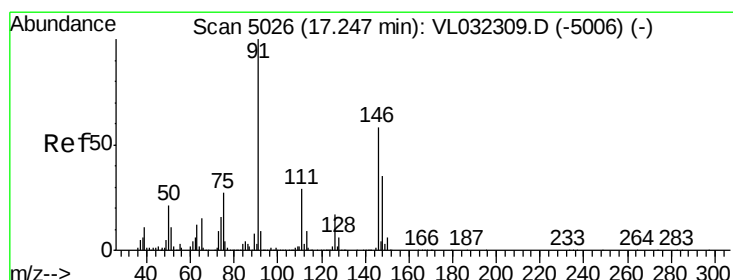
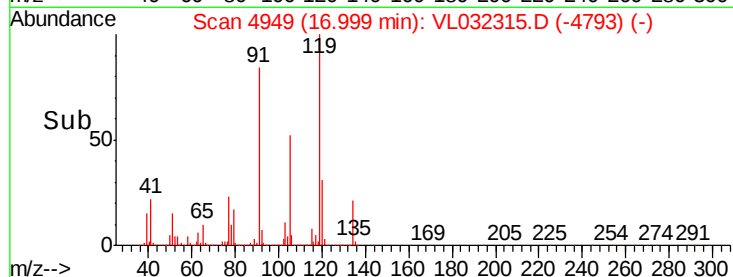
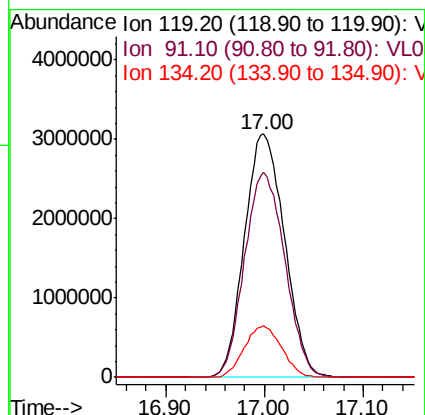
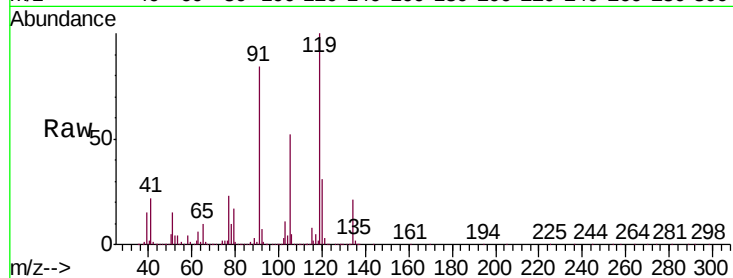




#65
tert-Butylbenzene
Concen: 8.648 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

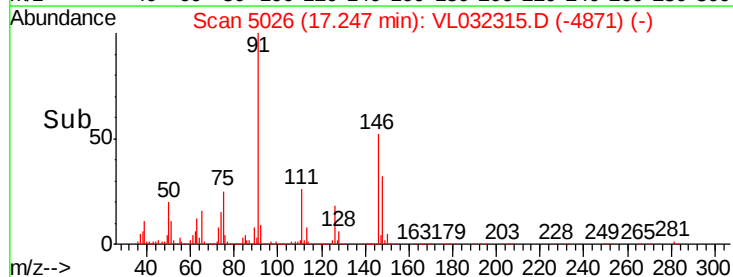
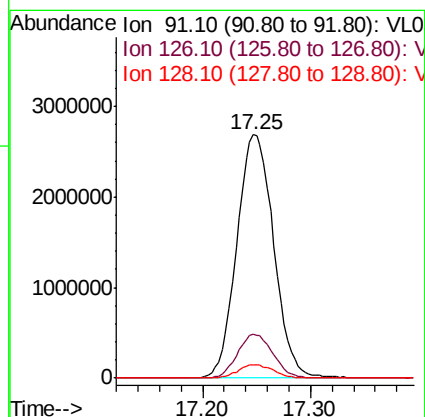
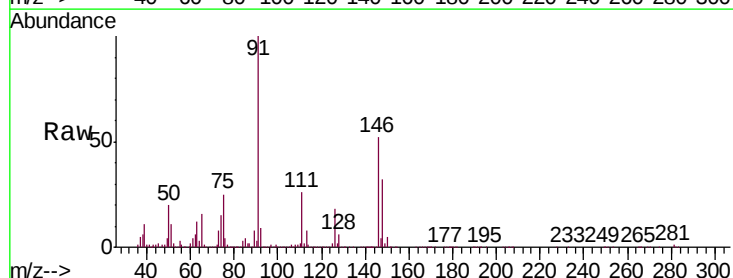
Instrument :
MSVOA_L
ClientSampled :

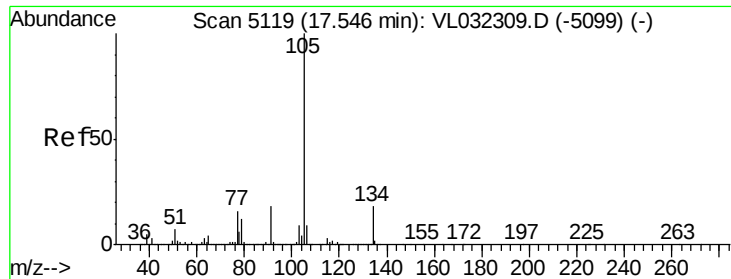
Tot Ion: 119 Resp: 8630633
Ion Ratio Lower Upper
119 100
91 84.7 67.5 101.3
134 19.8 15.8 23.6



#66
Benzyl Chloride
Concen: 11.422 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032315.D
Acq: 27 Jul 2018 4:36

Tgt Ion: 91 Resp: 6385096
Ion Ratio Lower Upper
91 100
126 17.4 13.7 20.5
128 5.5 4.3 6.5

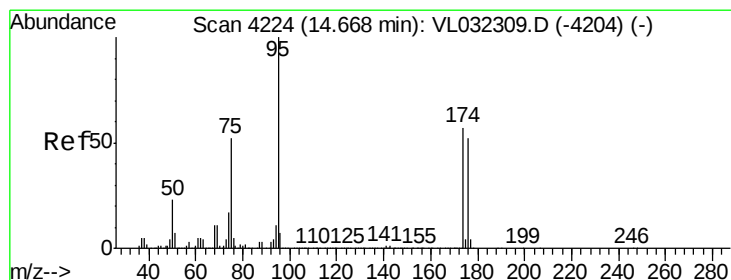
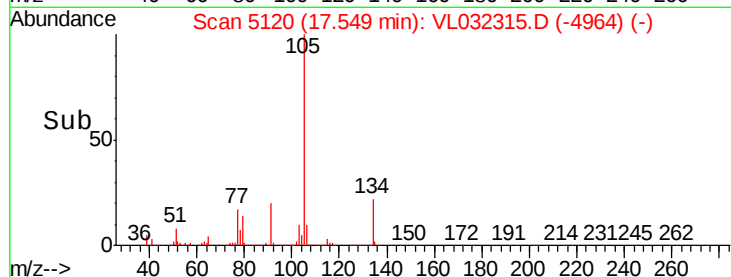
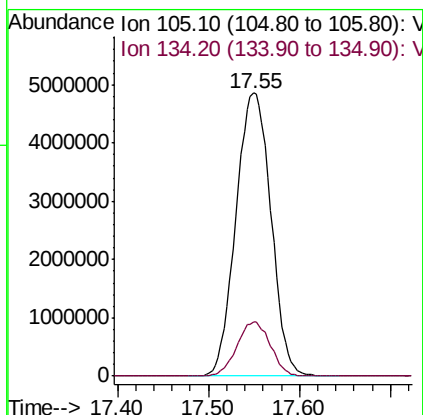
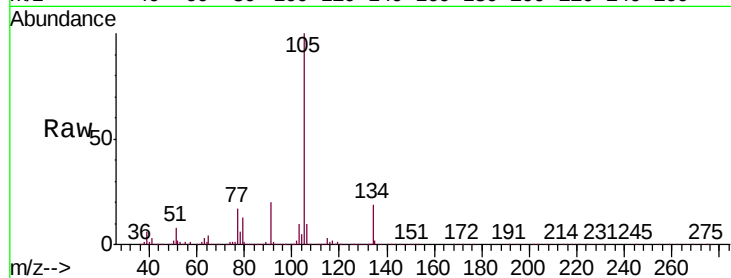




#67
 sec-Butylbenzene
 Concen: 8.695 ppbv
 RT: 17.55 min Scan# 5120
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

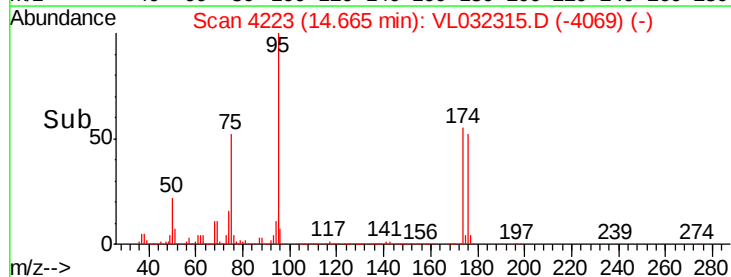
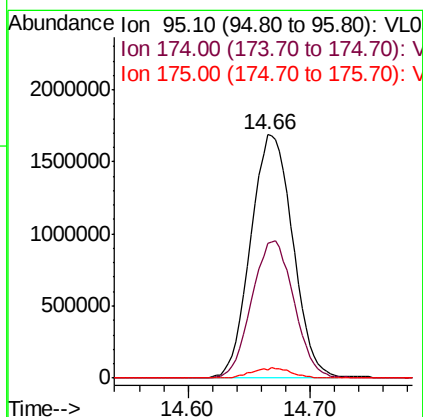
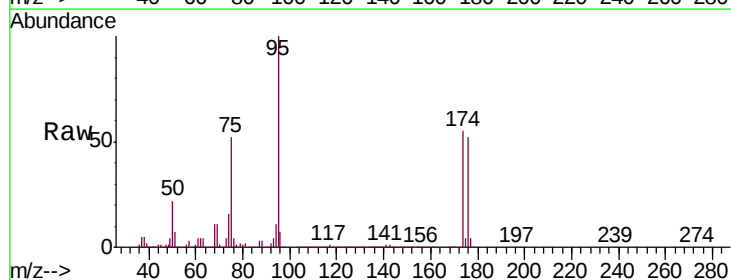
Instrument :
 MSVOA_L
 ClientSampled :

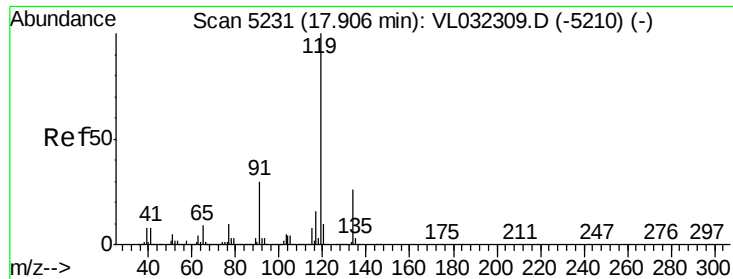
Tot Ion:105 Resp:12967723
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.280 ppbv
 RT: 14.66 min Scan# 4223
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 95 Resp: 4038924
 Ion Ratio Lower Upper
 95 100
 174 56.9 45.5 68.3
 175 4.0 3.3 4.9

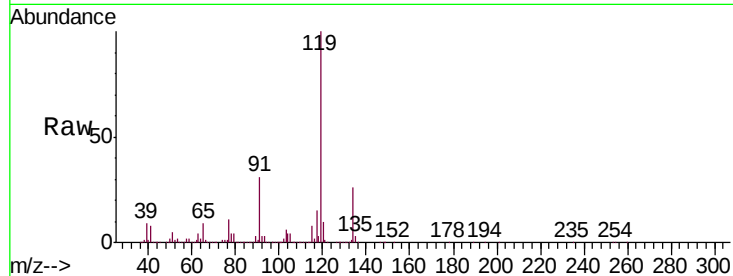




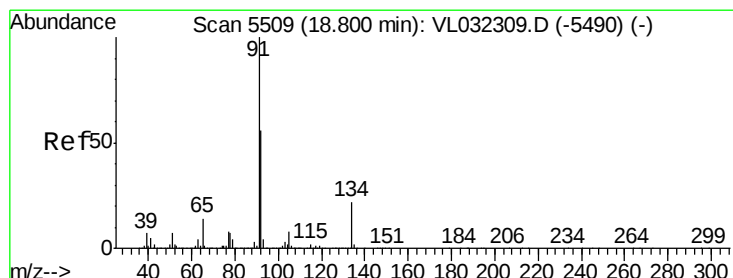
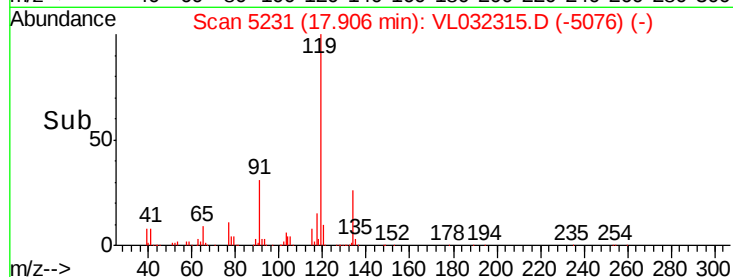
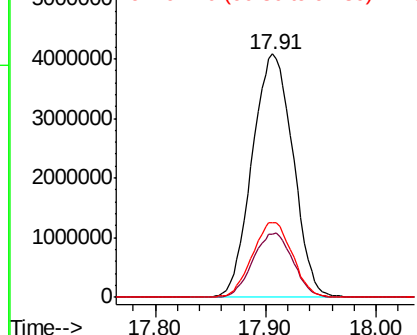
#69
 p-Isopropyltoluene
 Concen: 9.040 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp:10437290
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.3 30.5
 91 30.3 23.8 35.6

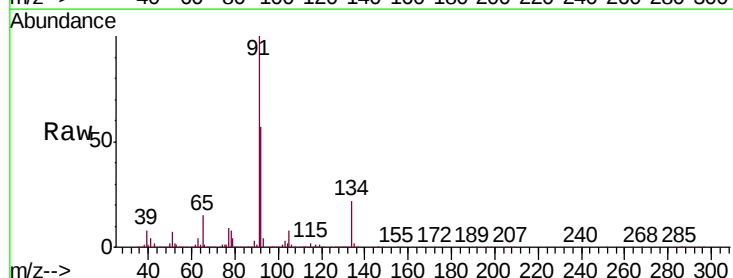


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

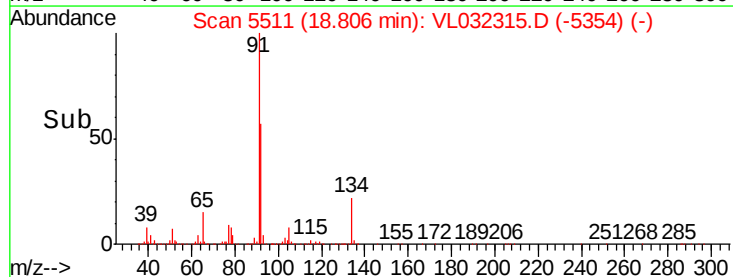
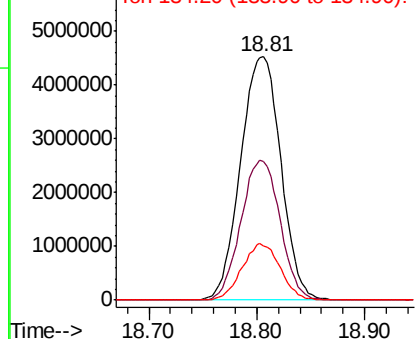


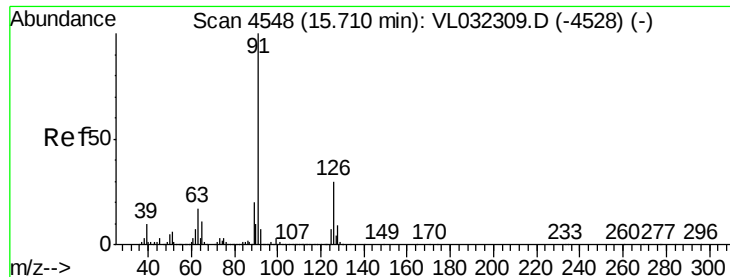
#70
 n-Butylbenzene
 Concen: 9.087 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. 0.01 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion: 91 Resp:11714891
 Ion Ratio Lower Upper
 91 100
 92 56.3 44.2 66.4
 134 22.1 17.4 26.2



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





#71

2-Chlorotoluene

Concen: 9.280 ppbv

RT: 15.71 min Scan# 4547

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

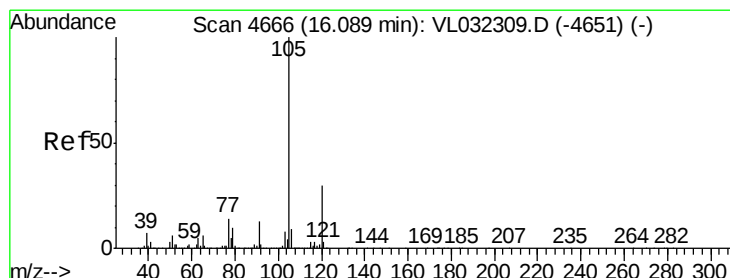
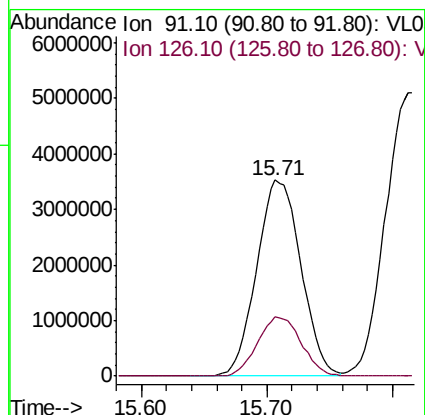
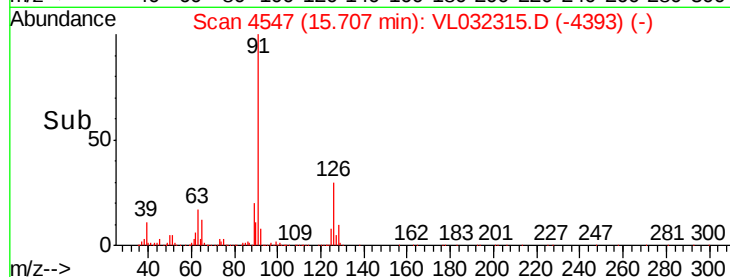
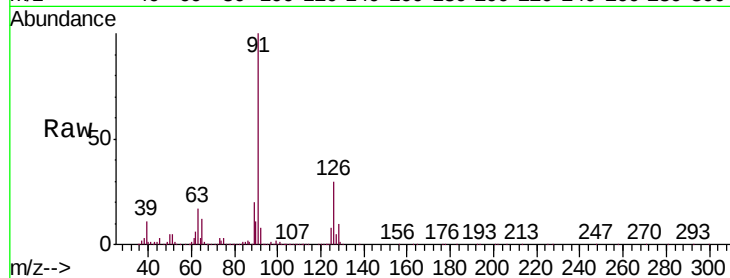
ClientSampled :

Tot Ion: 91 Resp: 8671900

Ion Ratio Lower Upper

91 100

126 30.1 11.8 47.0



#72

4-Ethyltoluene

Concen: 9.626 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion:105 Resp: 9053648

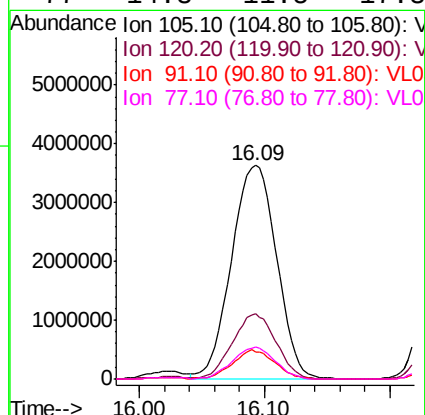
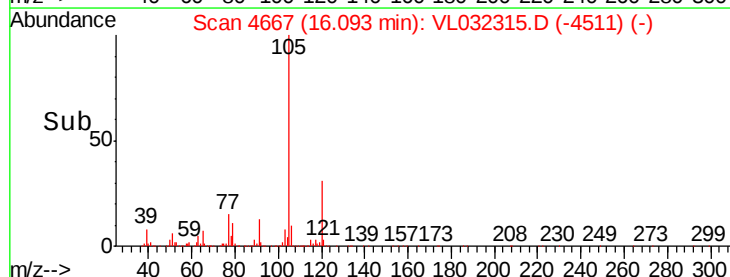
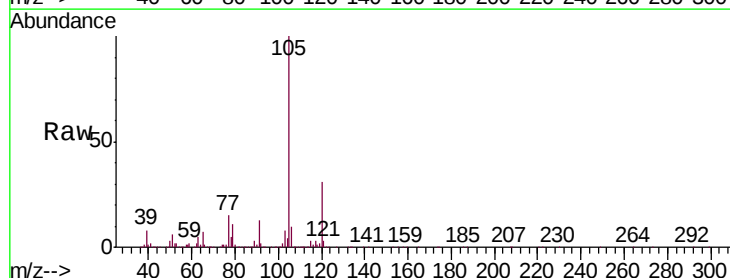
Ion Ratio Lower Upper

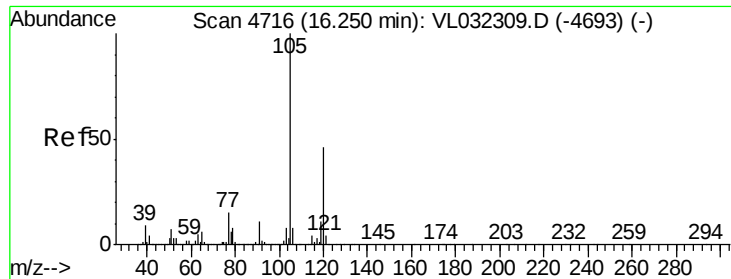
105 100

120 29.6 23.1 34.7

91 12.7 10.0 15.0

77 14.3 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.294 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

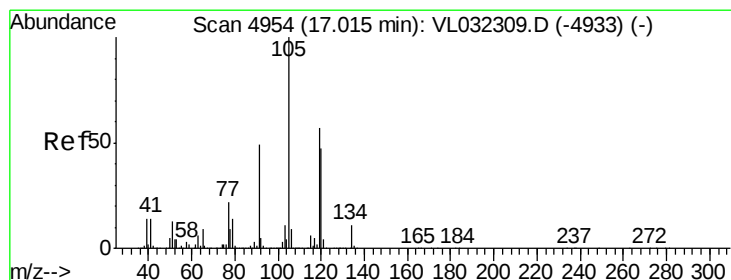
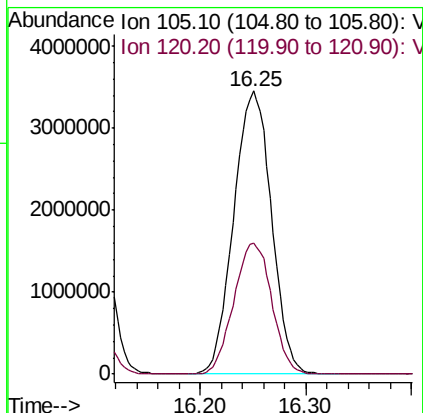
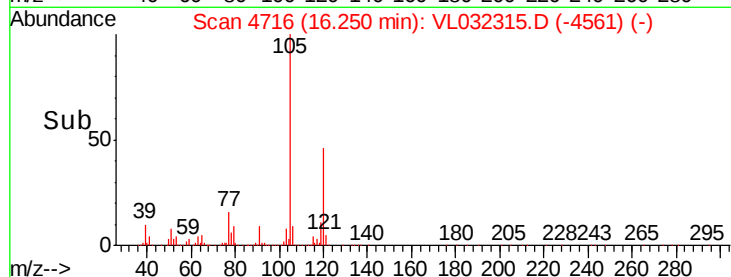
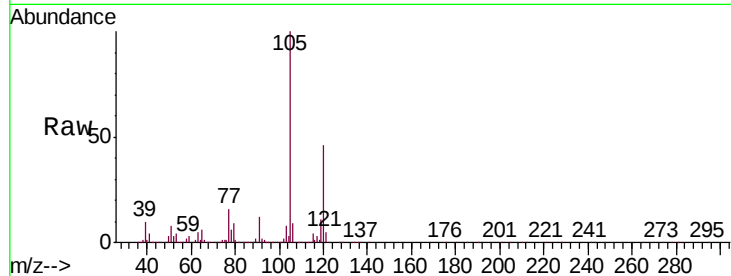
ClientSampleId :

Tot Ion:105 Resp: 8550200

Ion Ratio Lower Upper

105 100

120 46.5 36.5 54.7



#74

1,2,4-Trimethylbenzene

Concen: 8.492 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. 0.01 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion:105 Resp: 8210972

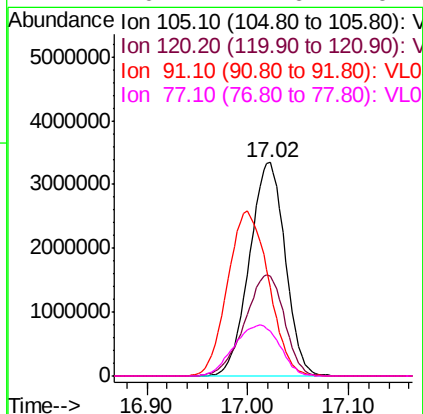
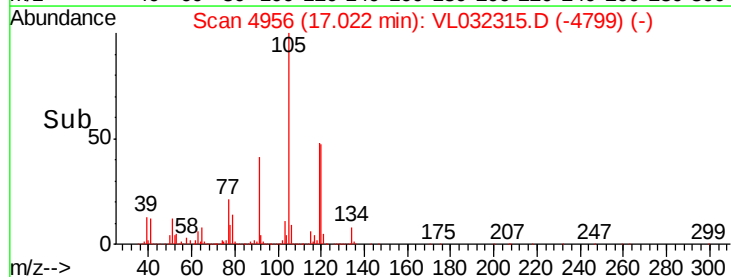
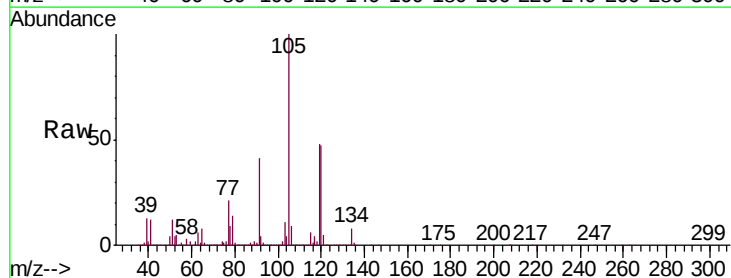
Ion Ratio Lower Upper

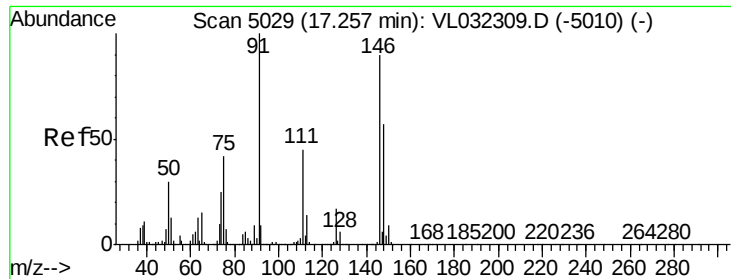
105 100

120 46.6 37.8 56.6

91 41.1 39.4 59.0

77 20.7 17.6 26.4





#75

1,3-Dichlorobenzene

Concen: 8.569 ppbv

RT: 17.26 min Scan# 5030

Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

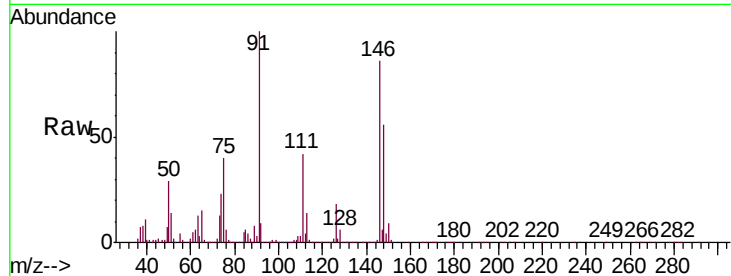
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 4620377

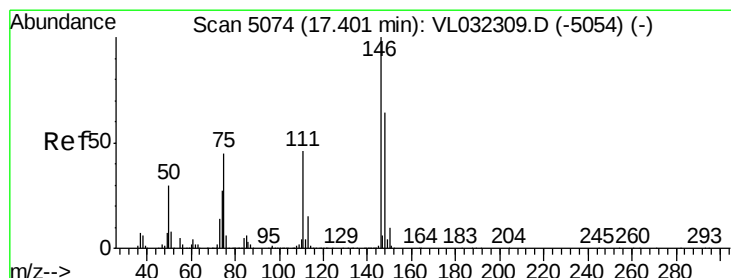
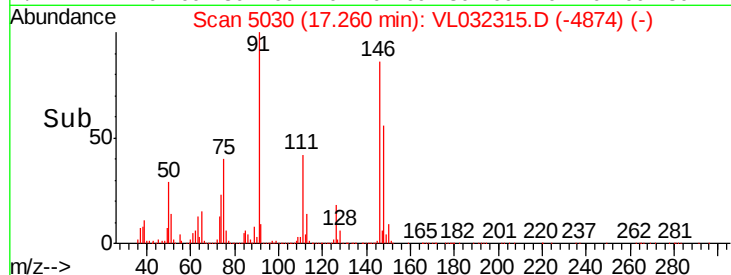
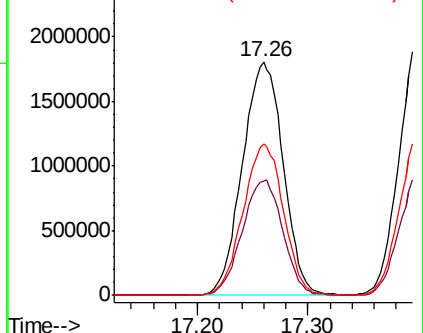
Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	73.8
148	64.3	31.6	95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.098 ppbv

RT: 17.40 min Scan# 5075

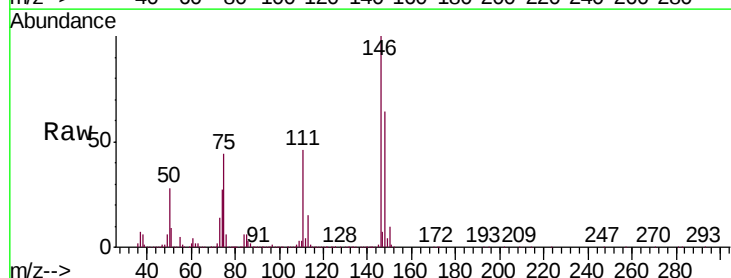
Delta R.T. 0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Tgt Ion:146 Resp: 4859745

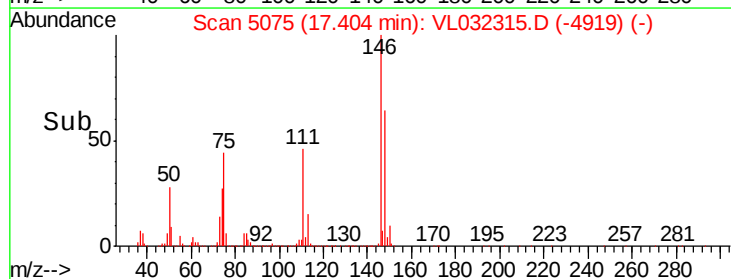
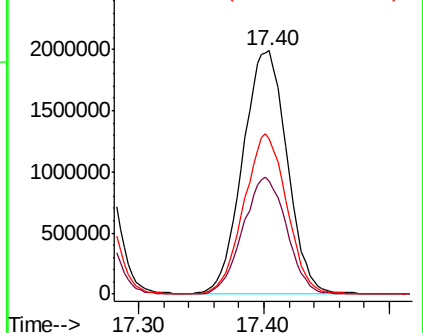
Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.6	70.8
148	64.2	32.1	96.3

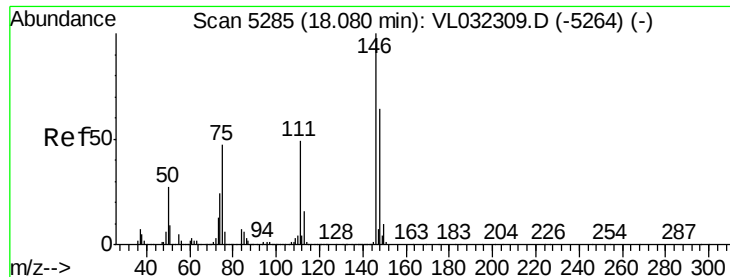


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

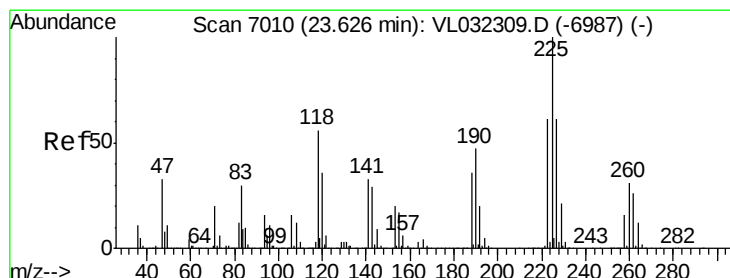
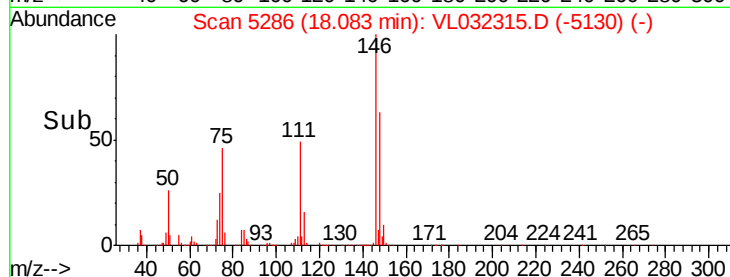
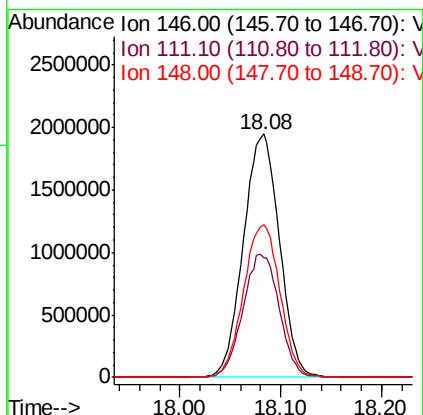
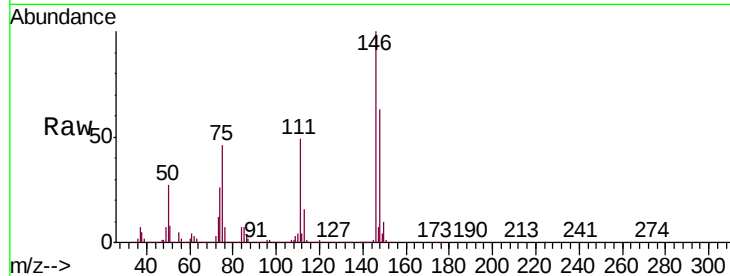




#77
 1,2-Dichlorobenzene
 Concen: 9.219 ppbv
 RT: 18.08 min Scan# 5286
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

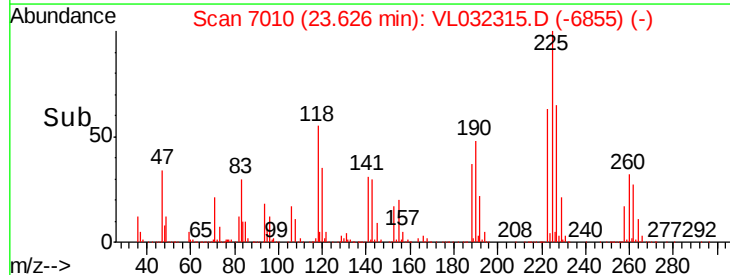
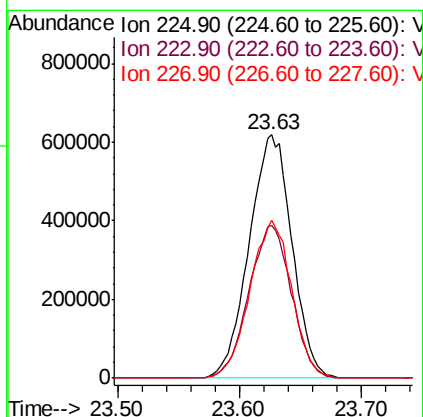
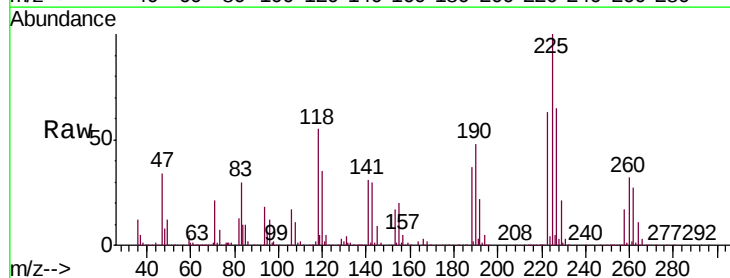
Instrument :
 MSVOA_L
 ClientSampleId :

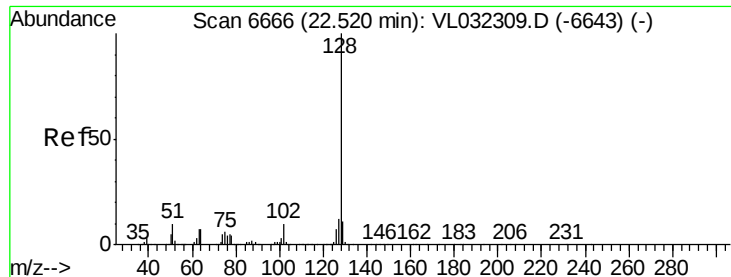
Tot Ion:146 Resp: 4818232
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.1 75.3
 148 63.7 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.751 ppbv
 RT: 23.63 min Scan# 7010
 Delta R.T. -0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Tgt Ion:225 Resp: 1502265
 Ion Ratio Lower Upper
 225 100
 223 62.6 50.5 75.7
 227 63.2 51.3 76.9





#79

Naphthalene

Concen: 10.238 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

Instrument :

MSVOA_L

ClientSampleId :

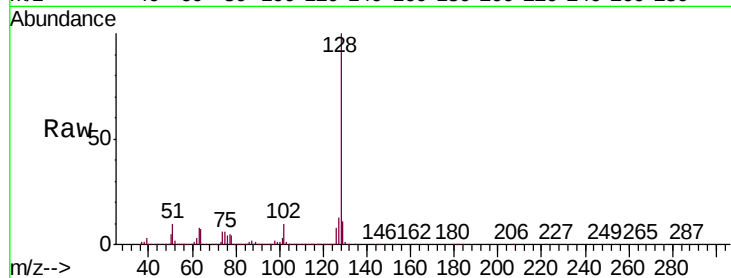
Tot Ion:128 Resp: 8400924

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

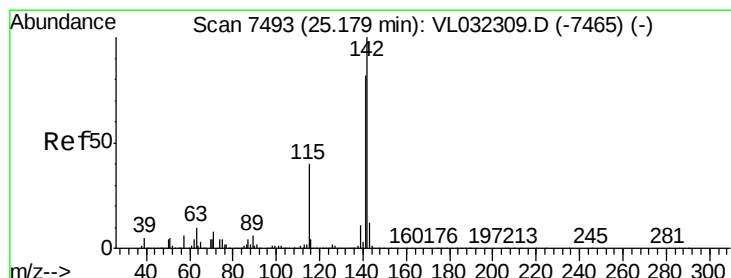
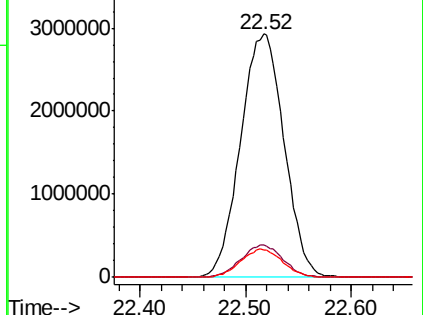
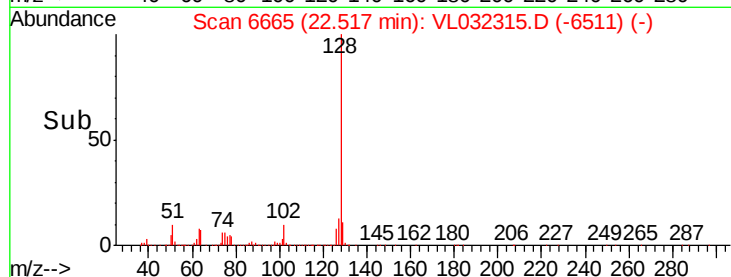
129 11.2 8.8 13.2



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: 12.186 ppbv

RT: 25.18 min Scan# 7493

Delta R.T. -0.00 min

Lab File: VL032315.D

Acq: 27 Jul 2018 4:36

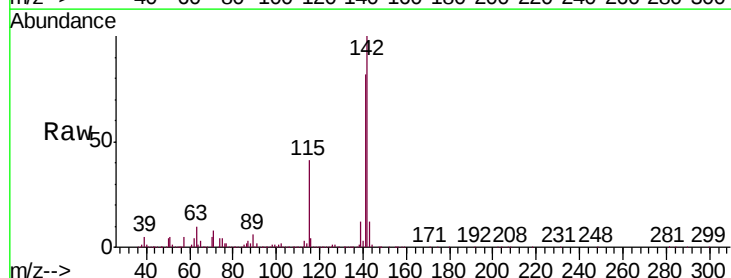
Tgt Ion:142 Resp: 4246976

Ion Ratio Lower Upper

142 100

141 83.5 66.7 100.1

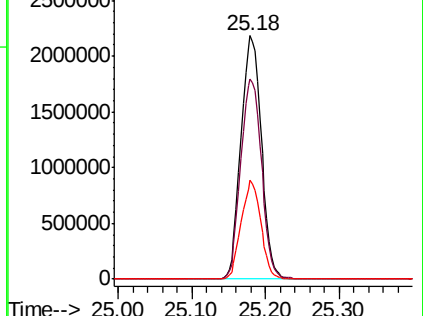
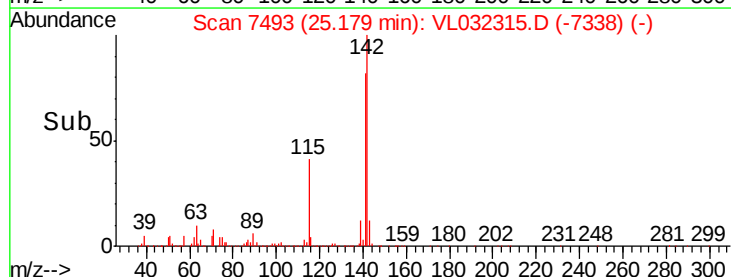
115 39.2 31.1 46.7

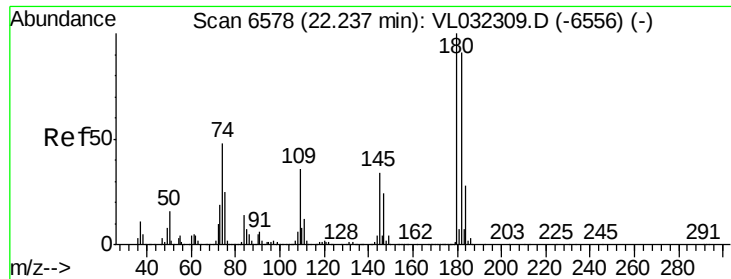


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.878 ppbv
 RT: 22.24 min Scan# 6579
 Delta R.T. 0.00 min
 Lab File: VL032315.D
 Acq: 27 Jul 2018 4:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 3966046
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.2
 184 30.0 24.3 36.5

