

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032326.D
 Acq On : 27 Jul 2018 19:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 23:19:50 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 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1638759	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3741646	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5206440	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3335356	8.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1260662	6.378	ppbv	100
3) Chlorodifluoromethane	3.06	51	1605440	9.798	ppbv	98
4) Chloromethane	3.22	50	965811	9.735	ppbv	98
5) Vinyl Chloride	3.34	62	898188	9.959	ppbv	96
6) Bromomethane	3.57	94	500870	10.115	ppbv	98
7) Chloroethane	3.65	64	316155	9.858	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	1841280	9.223	ppbv	100
9) Propene	3.08	41	823456	11.177	ppbv	98
10) Heptane	8.33	43	2724347	10.534	ppbv	99
11) Trichlorofluoromethane	4.06	101	1795665	9.511	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1260890	9.782	ppbv	98
13) Ethanol	3.70	45	189025	8.928	ppbv	99
14) Bromoethene	3.84	108	577949	10.214	ppbv	99
15) Acetone	3.96	43	1442727	9.341	ppbv	98
16) 1,3-Butadiene	3.41	39	852508	10.646	ppbv	89
17) tert-Butyl alcohol	4.42	59	561760	11.443	ppbv	100
18) 1,1-Dichloroethene	4.41	96	616714	10.312	ppbv	98
19) Isopropyl Alcohol	4.08	45	1122674	10.893	ppbv	# 98
20) Methylene Chloride	4.47	84	528543	8.514	ppbv	95
21) Allyl Chloride	4.54	41	1123757	10.665	ppbv	98
22) trans-1,2-Dichloroethene	5.03	96	626159	10.858	ppbv	99
23) Vinyl Acetate	5.22	43	3014818	10.881	ppbv	98
24) 1,1-Dichloroethane	5.16	63	1921871	9.670	ppbv	99
25) Ethyl Acetate	5.84	43	3413836	9.850	ppbv	100
26) Hexane	5.85	57	1527273	9.738	ppbv	99
27) Carbon Disulfide	4.68	76	1568640	11.001	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2398043	11.305	ppbv	100
29) Chloroform	5.92	83	2204766	9.665	ppbv	98
30) Cyclohexane	7.33	84	1373334	11.223	ppbv	98
31) cis-1,2-Dichloroethene	5.71	61	1576968	10.845	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2186015	10.828	ppbv	99
34) 2-Butanone	5.40	43	2393897	9.885	ppbv	99
35) Carbon Tetrachloride	7.21	117	2123195	9.990	ppbv	99
36) Benzene	7.09	78	3295093	9.991	ppbv	98
37) 1,2-Dichloroethane	6.49	62	1732852	9.093	ppbv	99
38) Trichloroethene	8.04	130	1276902	10.018	ppbv	98
39) 1,2-Dichloropropane	7.82	63	1494442	9.006	ppbv	98
40) 1,4-Dioxane	8.03	88	467227	9.588	ppbv	91
41) Tetrahydrofuran	6.22	42	1419202	10.360	ppbv	100
42) Bromodichloromethane	8.00	83	2907835	9.425	ppbv	99
43) Methyl Methacrylate	8.22	69	1652409	10.437	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

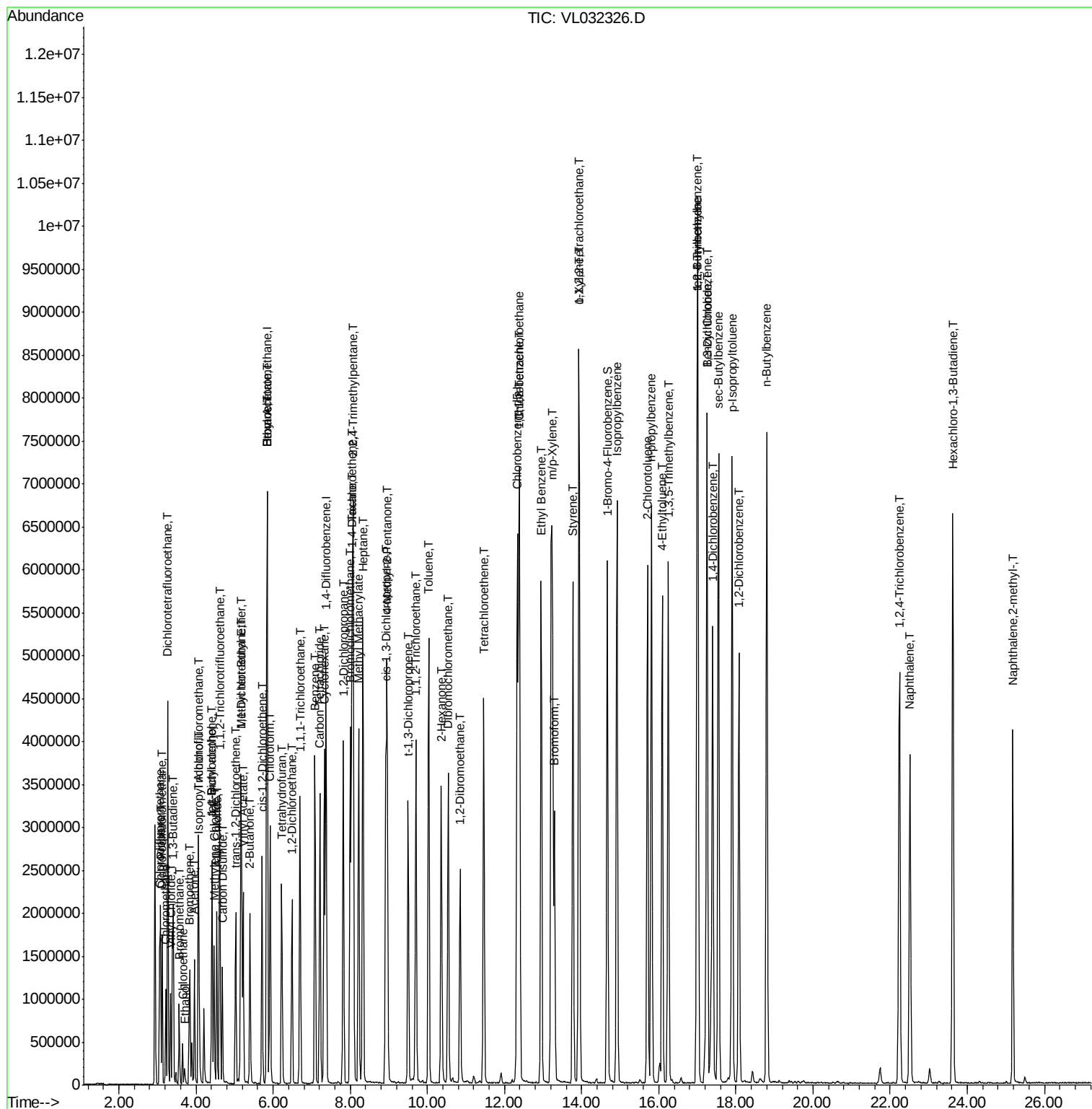
44) 2,2,4-Trimethylpentane	8.07	57	6686108	9.349	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	2038722	11.113	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2414116	10.740	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	1458663	9.043	ppbv	99
48) Dibromochloromethane	10.54	129	2292963	9.644	ppbv	100
49) Bromoform	13.30	173	1831676	9.356	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	4214188	9.862	ppbv	99
51) 2-Hexanone	10.36	43	3439803	10.563	ppbv #	100
52) Tetrachloroethene	11.46	164	1142327	10.278	ppbv	98
53) Toluene	10.03	91	4305821	10.921	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2224946	9.707	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	1624114	7.565	ppbv #	54
57) Chlorobenzene	12.39	112	3025229	7.472	ppbv	99
58) Ethyl Benzene	12.95	91	5690670	8.719	ppbv	98
59) m/p-Xylene	13.24	91	4581431	8.244	ppbv #	31
60) o-Xylene	13.94	91	4387312	8.052	ppbv	99
61) Styrene	13.77	104	3607420	8.996	ppbv	99
62) Isopropylbenzene	14.92	105	6280077	8.113	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.92	83	3146496	7.096	ppbv	100
64) n-propylbenzene	15.81	120	1621938	8.048	ppbv	95
65) tert-Butylbenzene	17.00	119	5105172	7.806	ppbv	100
66) Benzyl Chloride	17.25	91	3414206	8.759	ppbv	100
67) sec-Butylbenzene	17.55	105	7674294	7.837	ppbv	99
69) p-Isopropyltoluene	17.90	119	6098508	8.038	ppbv	100
70) n-Butylbenzene	18.80	91	6774377	7.733	ppbv	99
71) 2-Chlorotoluene	15.71	91	4980584	8.199	ppbv	99
72) 4-Ethyltoluene	16.09	105	5223730	8.554	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	4920449	8.186	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	4843134	7.643	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2630099	7.167	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	2705378	7.684	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	2604626	7.224	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1652474	13.034	ppbv	100
79) Naphthalene	22.51	128	4775422	8.684	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2286134	10.506	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2276882	8.286	ppbv	100

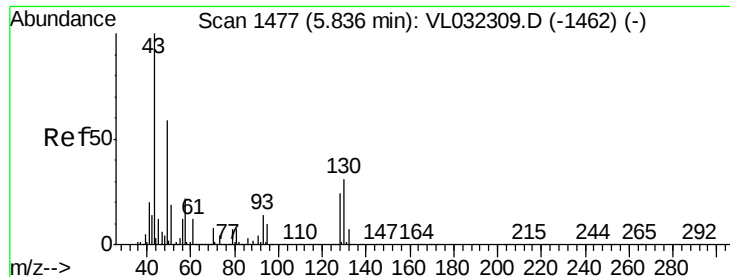
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

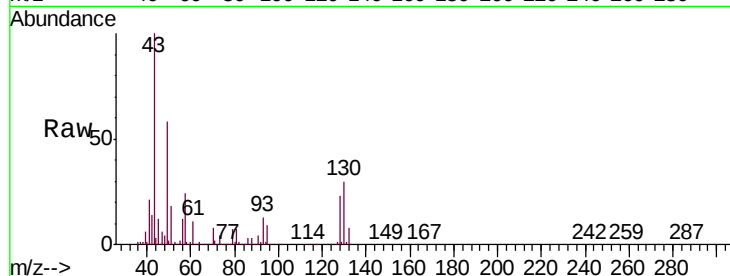
Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1638759

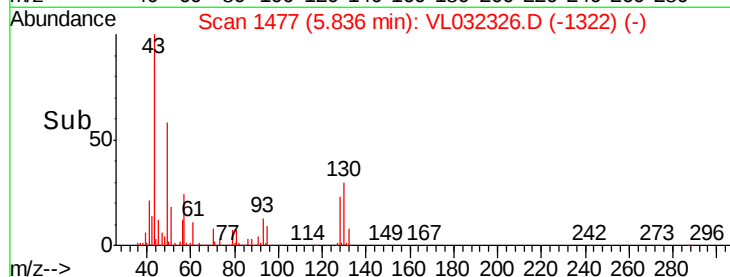
Ion	Ratio	Lower	Upper
49	100		
128	40.8	20.2	60.6
130	51.8	25.8	77.3



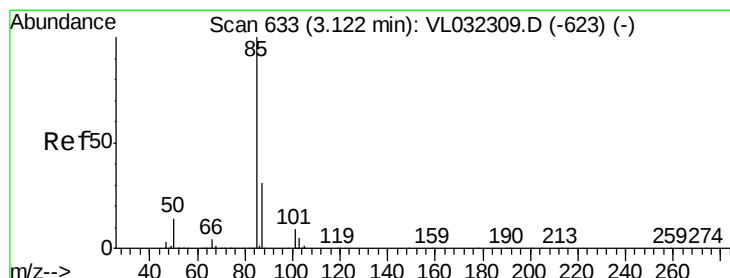
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 6.378 ppbv

RT: 3.12 min Scan# 633

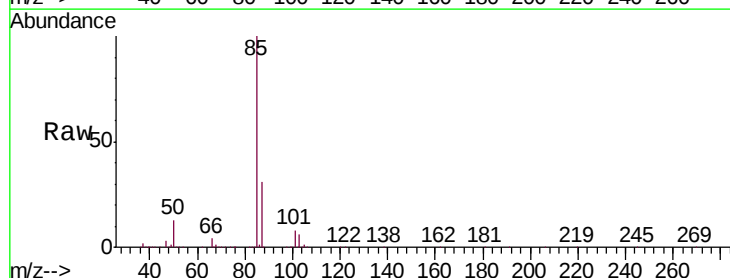
Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

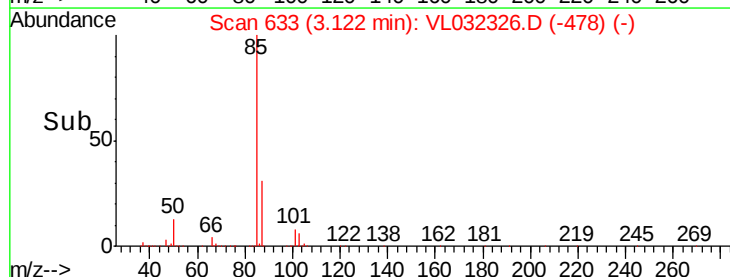
Tgt Ion: 85 Resp: 1260662

Ion	Ratio	Lower	Upper
85	100		
87	31.2	25.2	37.8

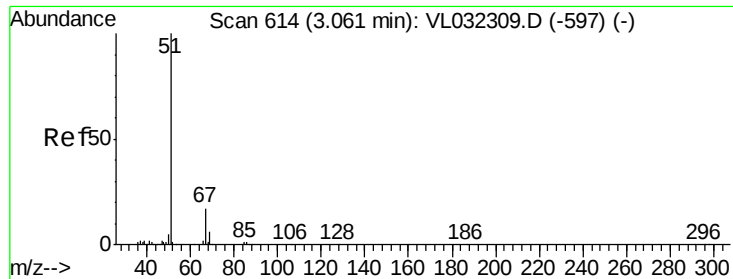


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



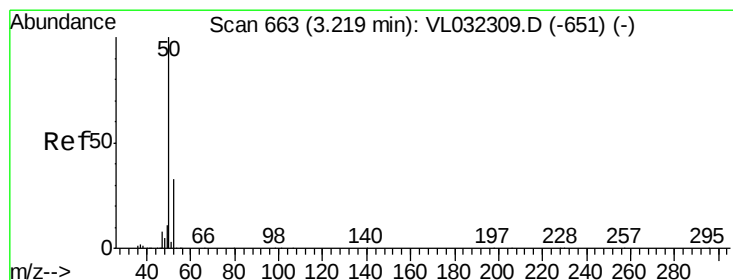
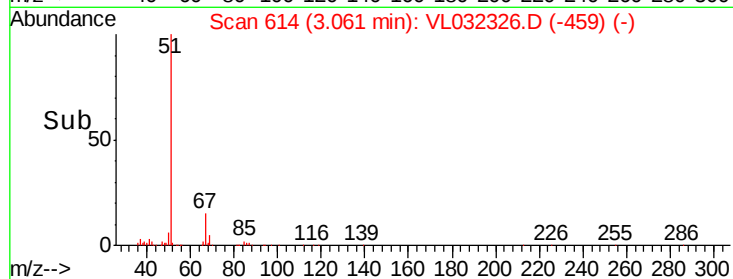
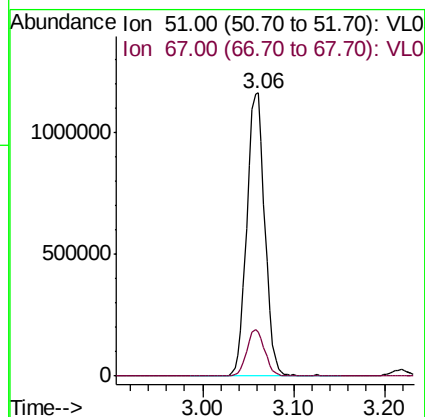
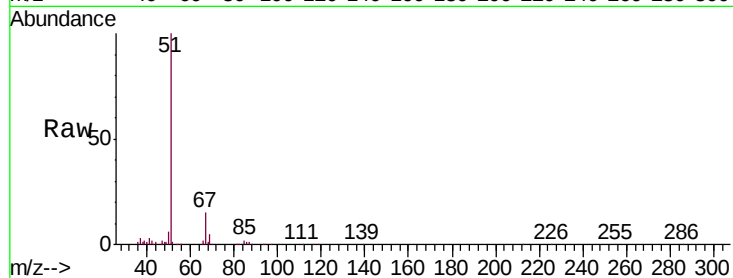
Time-->



#3
Chlorodifluoromethane
Concen: 9.798 ppbv
RT: 3.06 min Scan# 614
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

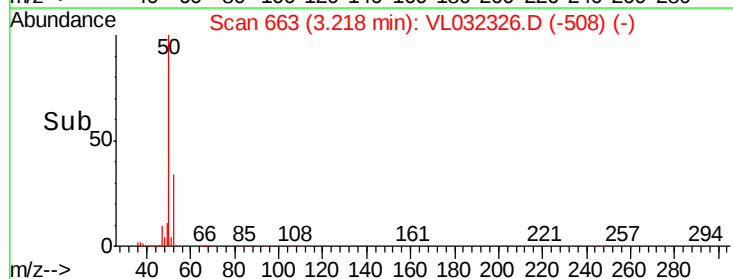
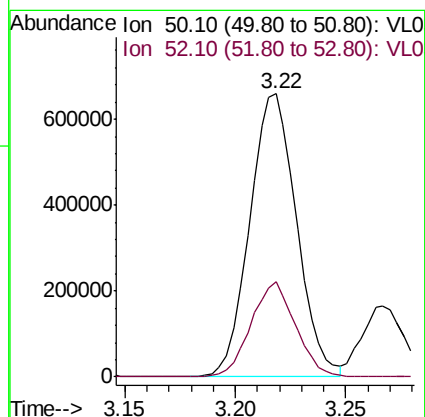
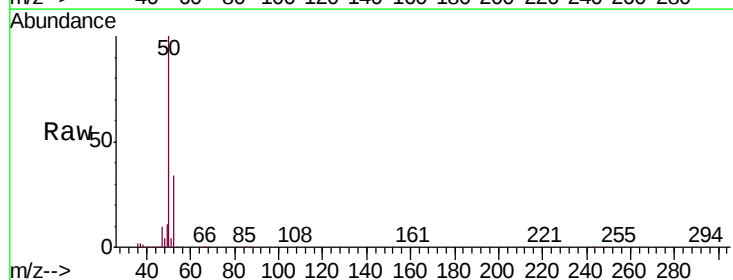
Instrument :
MSVOA_L
ClientSampleId :

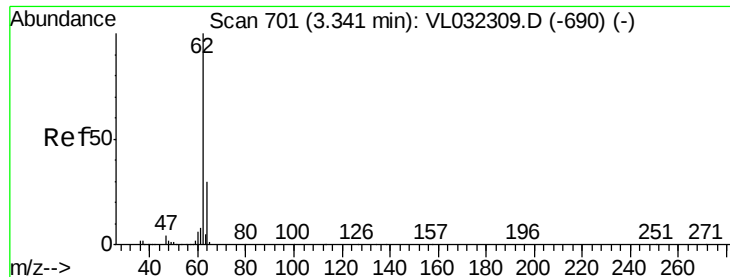
Tot Ion: 51 Resp: 1605440
Ion Ratio Lower Upper
51 100
67 16.2 13.5 20.3



#4
Chloromethane
Concen: 9.735 ppbv
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 50 Resp: 965811
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.4





#5

Vinyl Chloride

Concen: 9.959 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

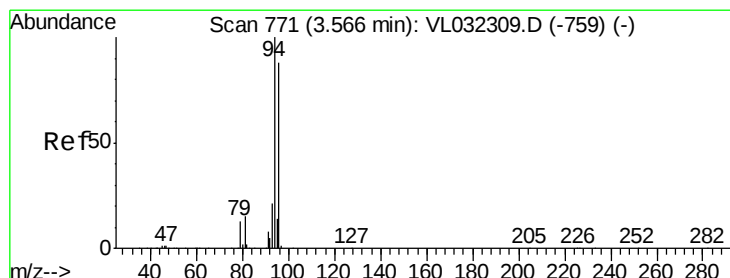
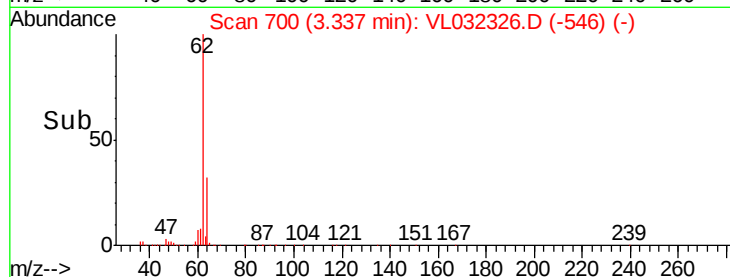
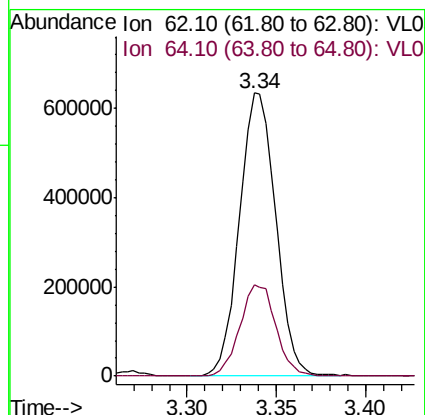
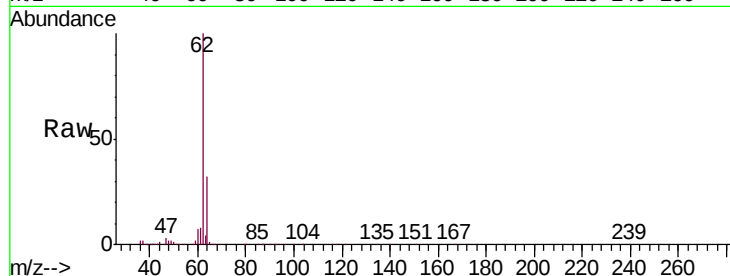
ClientSampleId :

Tot Ion: 62 Resp: 898188

Ion Ratio Lower Upper

62 100

64 32.4 24.1 36.1



#6

Bromomethane

Concen: 10.115 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL032326.D

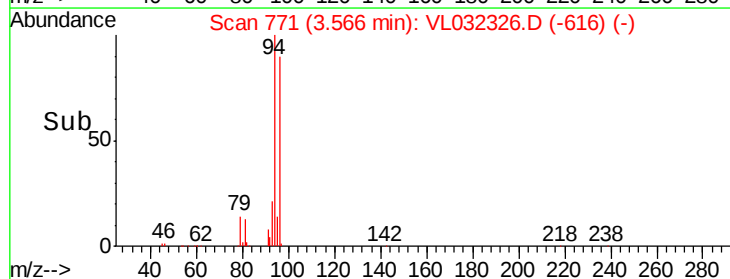
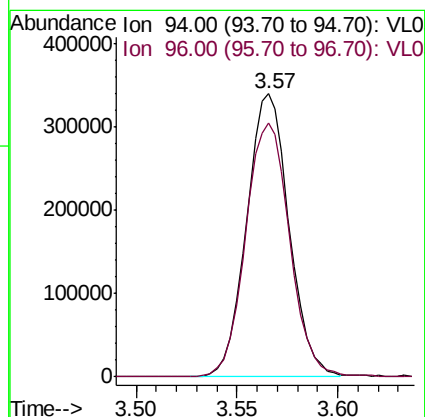
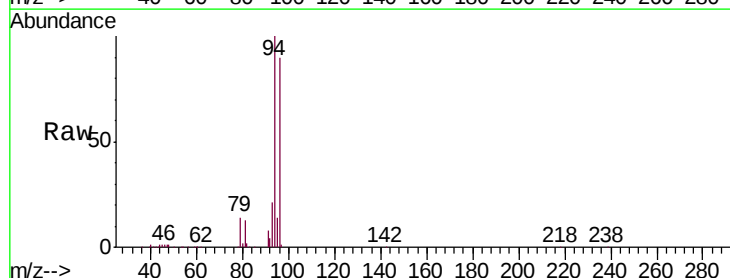
Acq: 27 Jul 2018 19:53

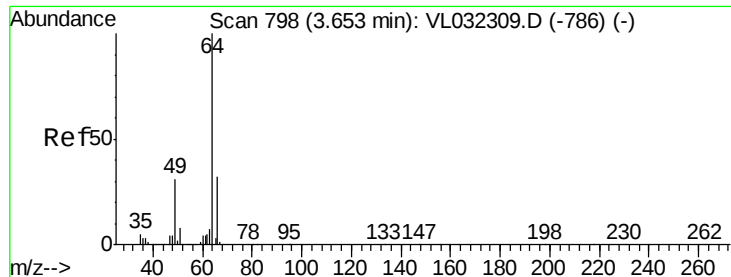
Tgt Ion: 94 Resp: 500870

Ion Ratio Lower Upper

94 100

96 89.7 70.2 105.4





#7

Chloroethane

Concen: 9.858 ppbv

RT: 3.65 min Scan# 798

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

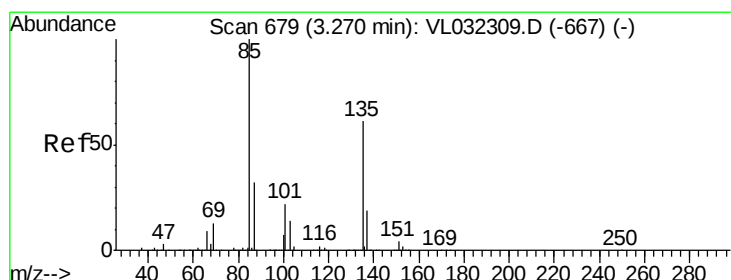
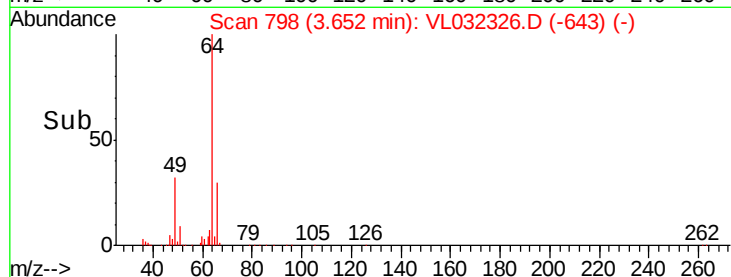
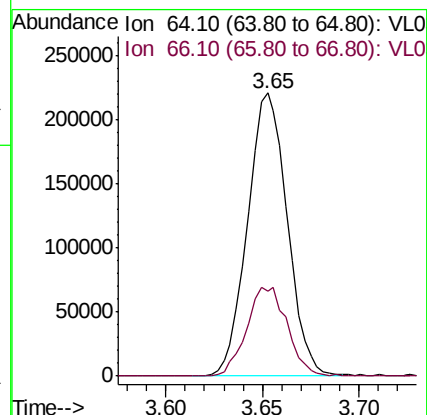
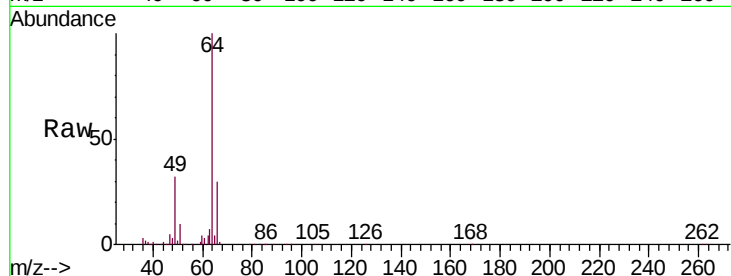
ClientSampleId :

Tot Ion: 64 Resp: 316155

Ion Ratio Lower Upper

64 100

66 30.1 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 9.223 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032326.D

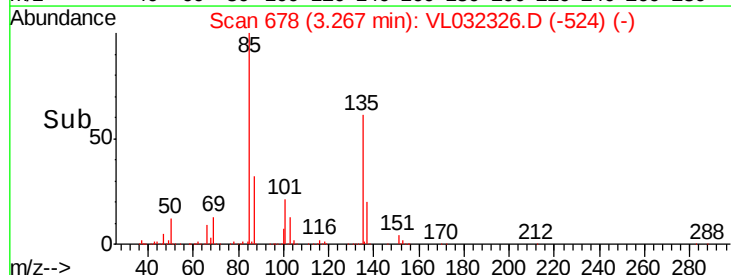
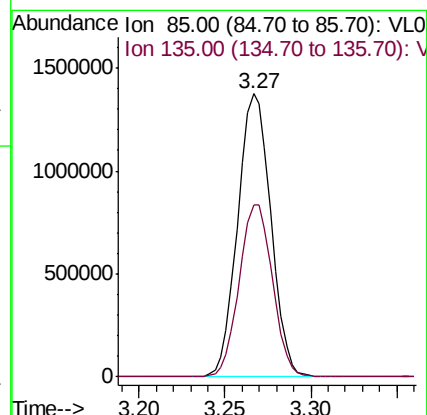
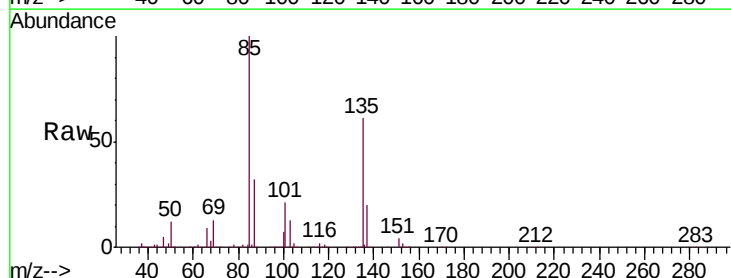
Acq: 27 Jul 2018 19:53

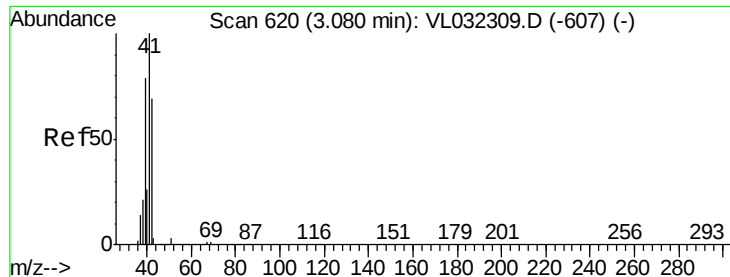
Tgt Ion: 85 Resp: 1841280

Ion Ratio Lower Upper

85 100

135 61.3 48.7 73.1





#9

Propene

Concen: 11.177 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

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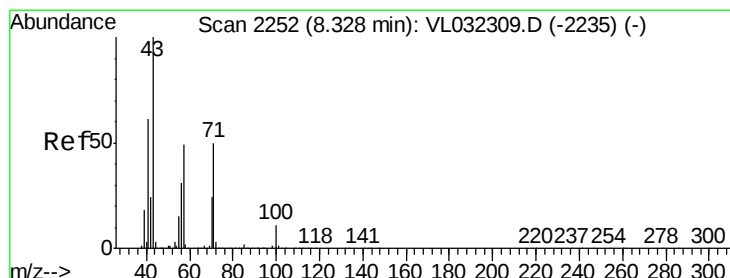
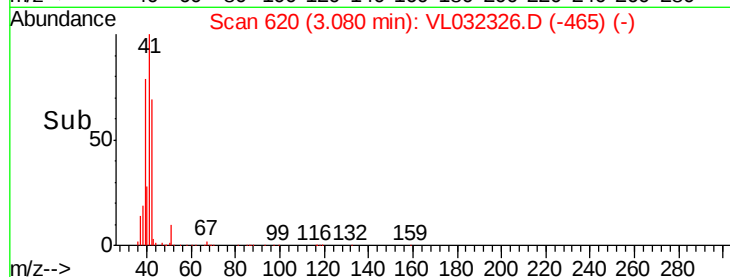
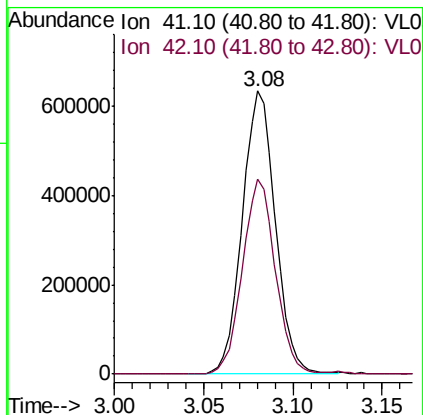
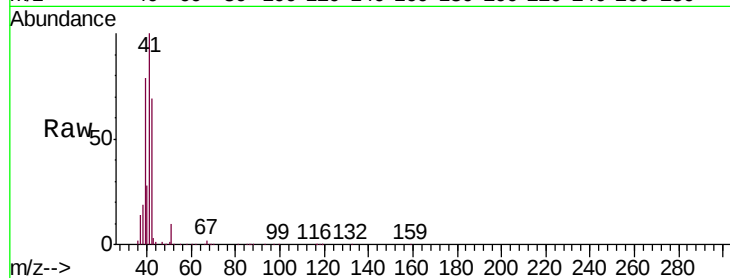
ClientSampleId :

Tot Ion: 41 Resp: 823456

Ion Ratio Lower Upper

41 100

42 69.3 56.8 85.2



#10

Heptane

Concen: 10.534 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032326.D

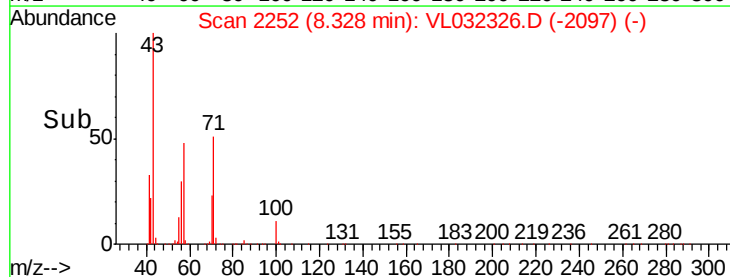
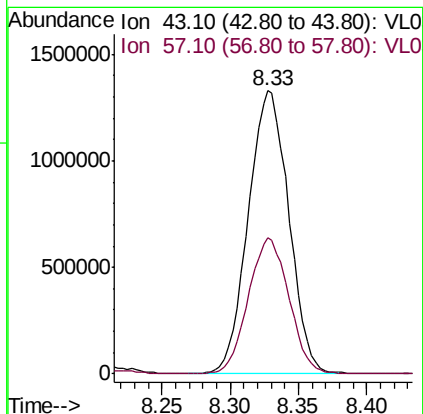
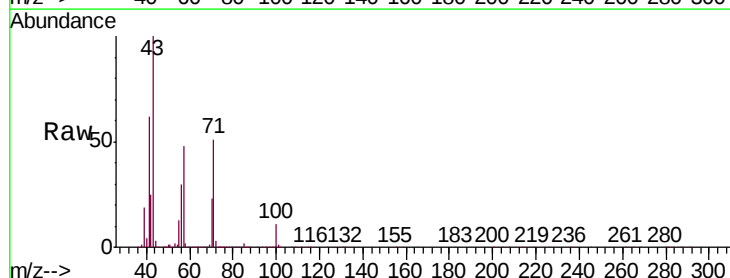
Acq: 27 Jul 2018 19:53

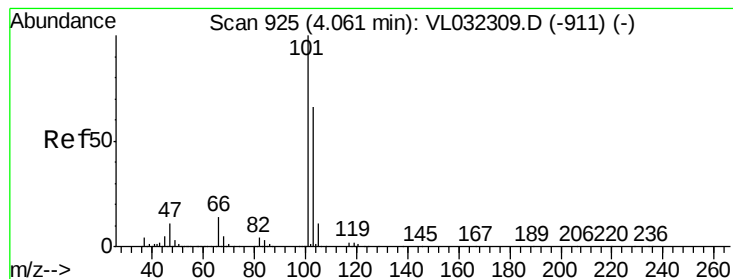
Tgt Ion: 43 Resp: 2724347

Ion Ratio Lower Upper

43 100

57 48.2 39.0 58.4





#11

Trichlorofluoromethane

Concen: 9.511 ppbv

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

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Acq: 27 Jul 2018 19:53

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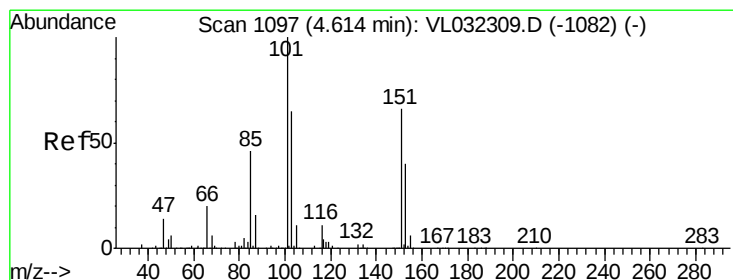
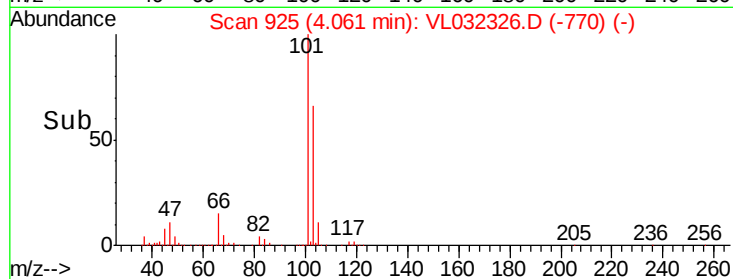
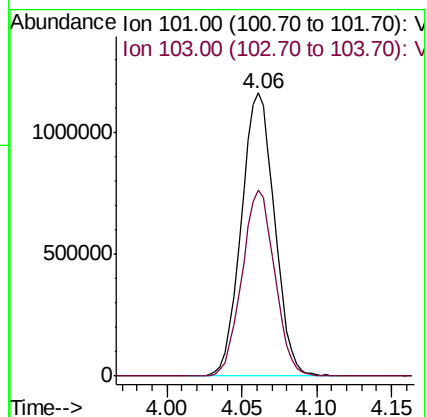
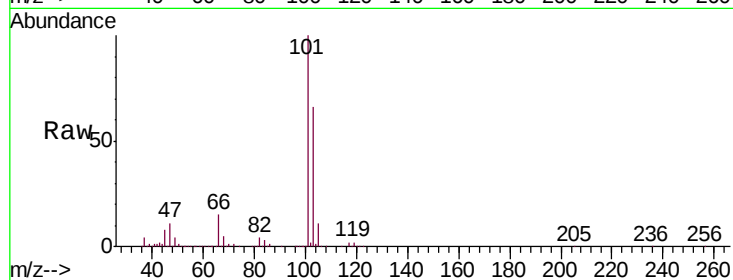
ClientSampleId :

Tot Ion:101 Resp: 1795665

Ion Ratio Lower Upper

101 100

103 65.6 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.782 ppbv

RT: 4.61 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VL032326.D

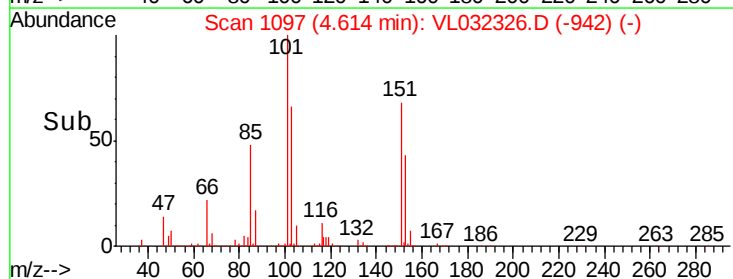
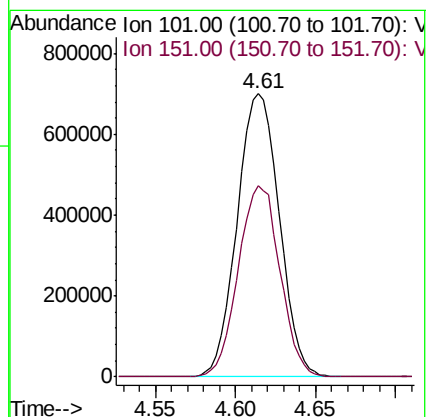
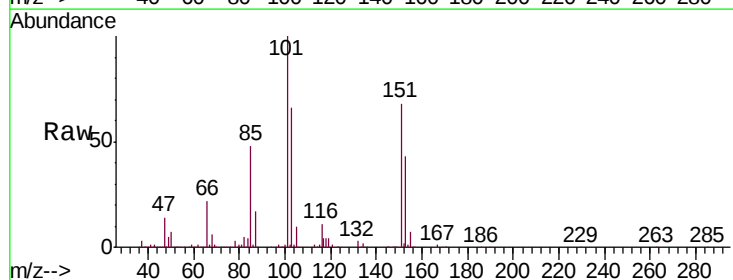
Acq: 27 Jul 2018 19:53

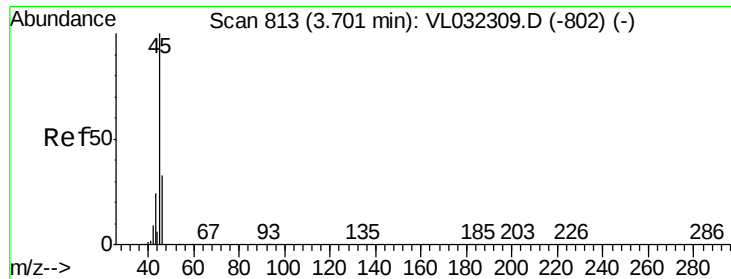
Tgt Ion:101 Resp: 1260890

Ion Ratio Lower Upper

101 100

151 66.9 52.4 78.6





#13

Ethanol

Concen: 8.928 ppbv

RT: 3.70 min Scan# 814

Delta R.T. 0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

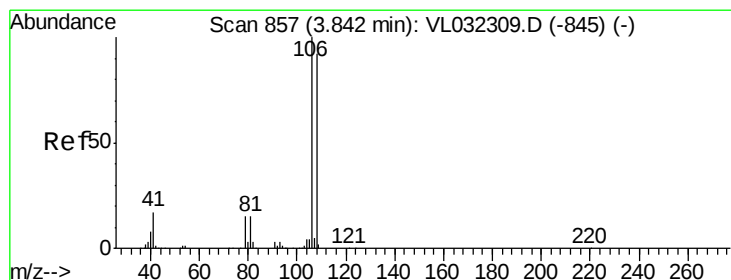
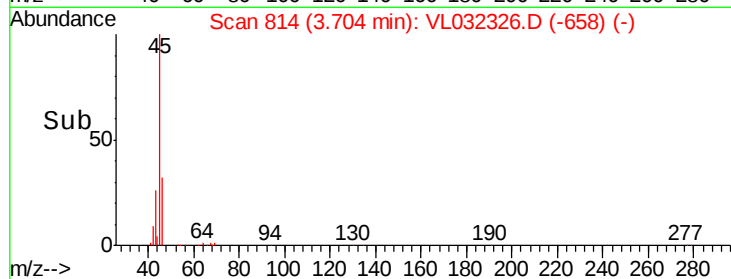
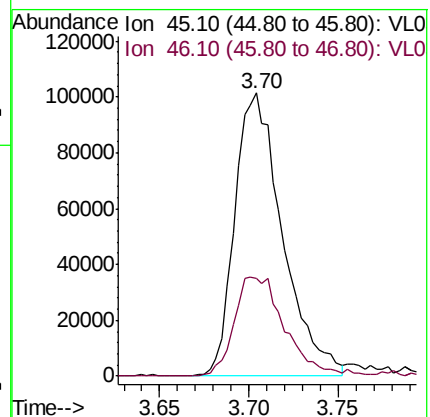
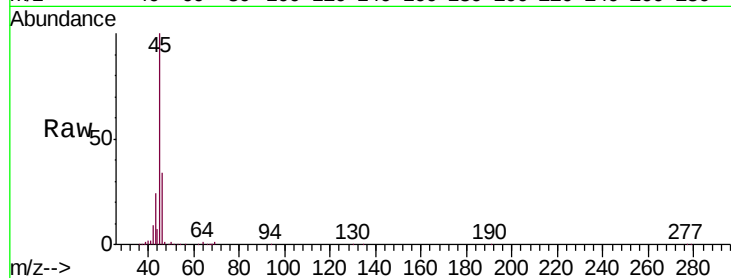
ClientSampled :

Tot Ion: 45 Resp: 189025

Ion Ratio Lower Upper

45 100

46 37.4 15.2 60.6



#14

Bromoethene

Concen: 10.214 ppbv

RT: 3.84 min Scan# 857

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

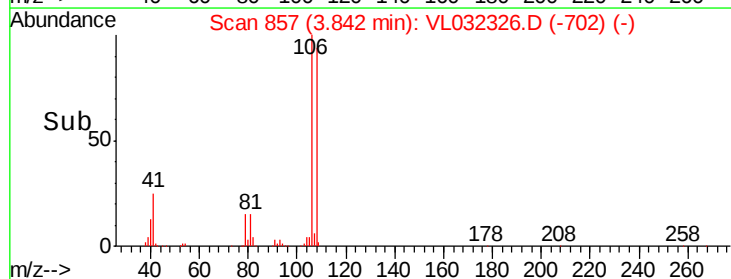
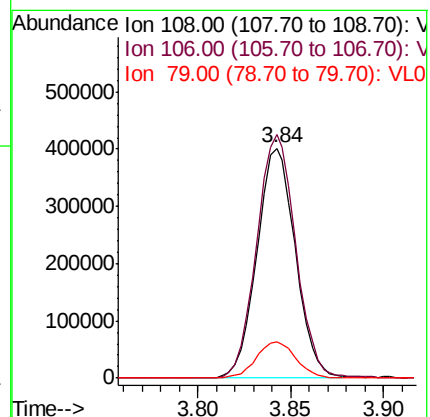
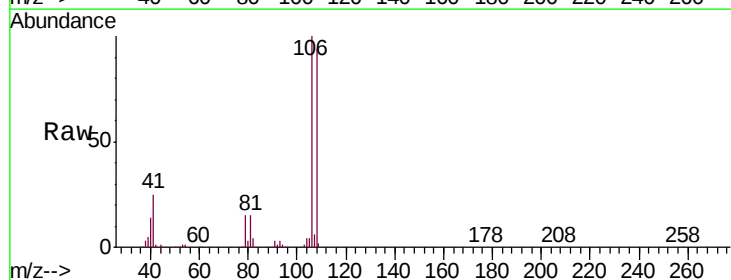
Tgt Ion: 108 Resp: 577949

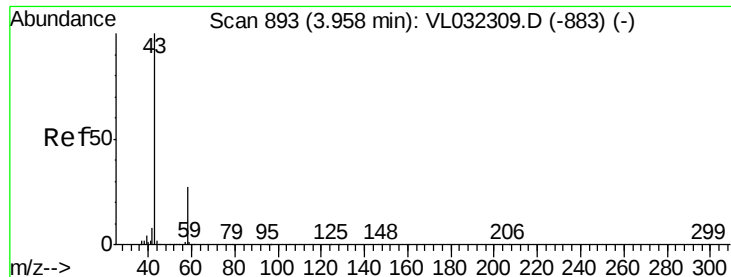
Ion Ratio Lower Upper

108 100

106 108.1 86.0 129.0

79 16.4 12.8 19.2





#15

Acetone

Concen: 9.341 ppbv

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

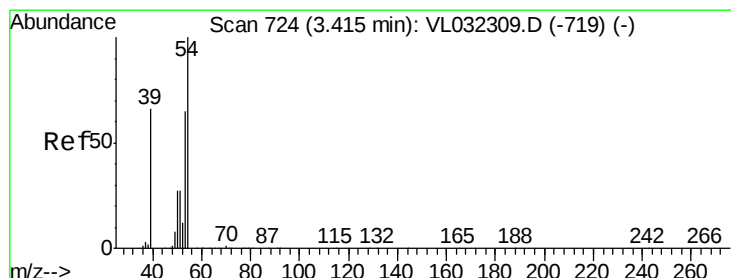
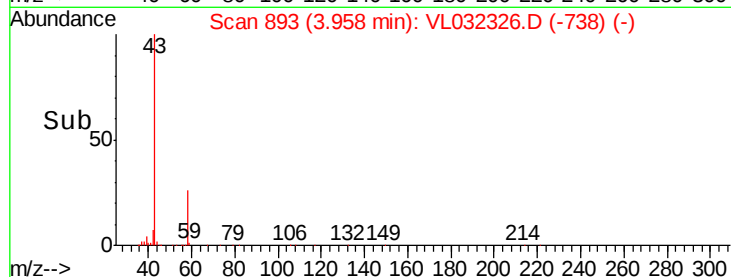
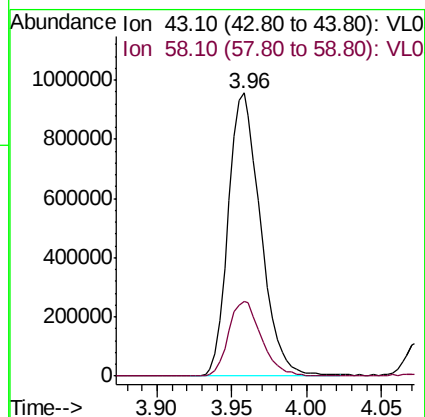
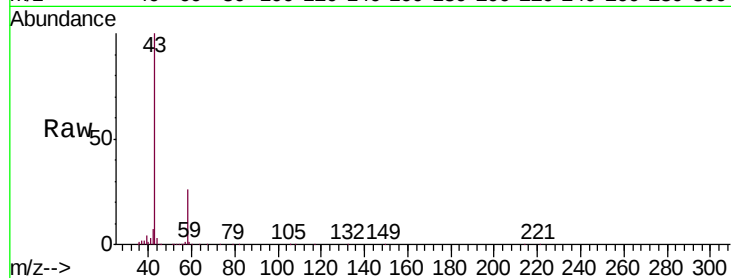
ClientSampleId :

Tot Ion: 43 Resp: 1442727

Ion Ratio Lower Upper

43 100

58 27.0 22.5 33.7



#16

1,3-Butadiene

Concen: 10.646 ppbv

RT: 3.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: VL032326.D

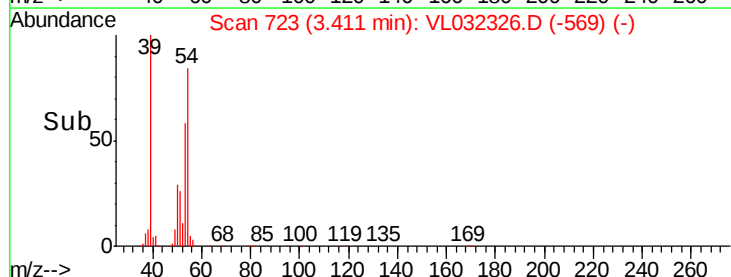
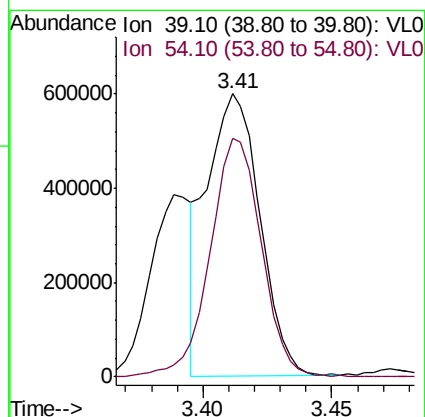
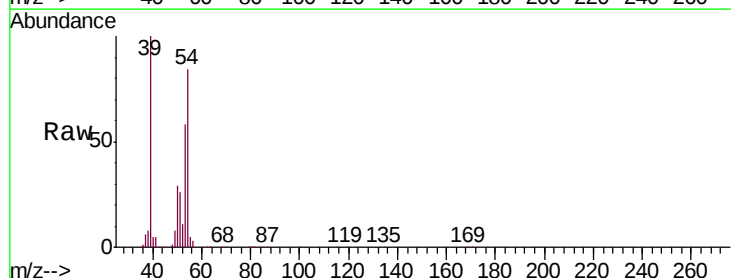
Acq: 27 Jul 2018 19:53

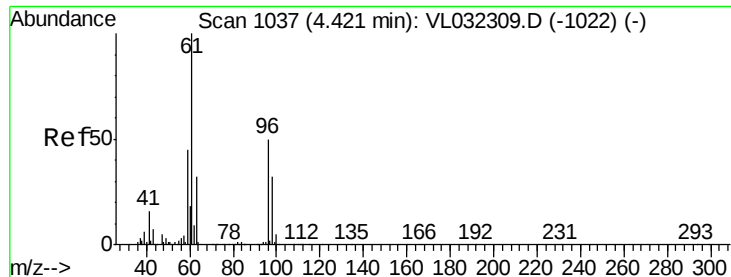
Tgt Ion: 39 Resp: 852508

Ion Ratio Lower Upper

39 100

54 82.4 74.3 111.5

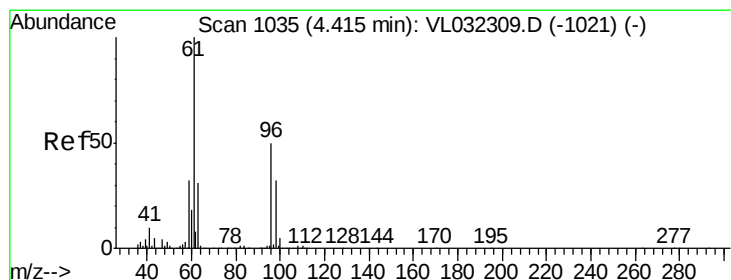
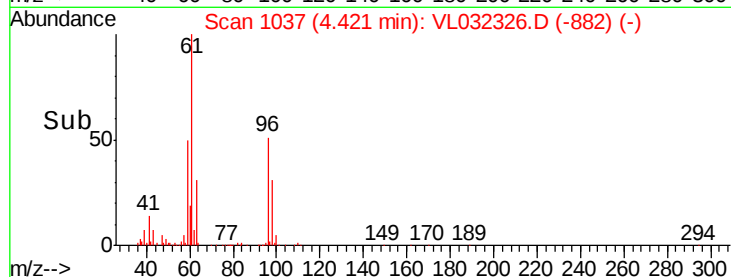
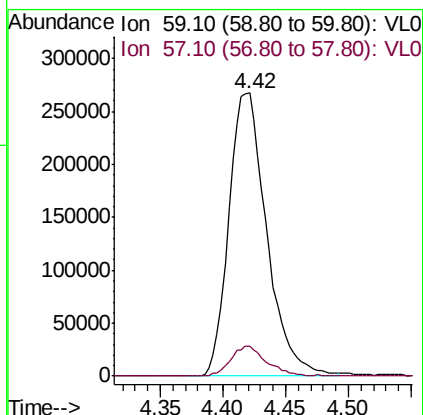
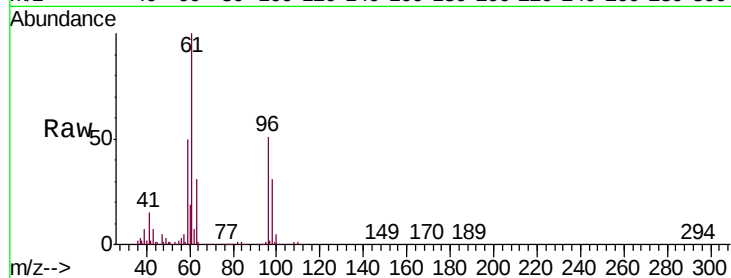




#17
tert-Butyl alcohol
Concen: 11.443 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

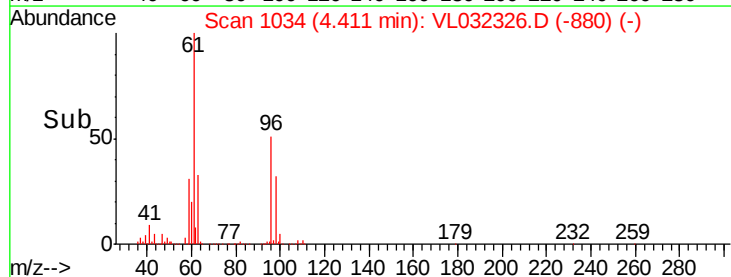
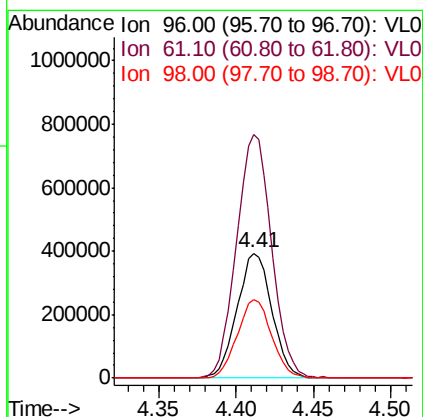
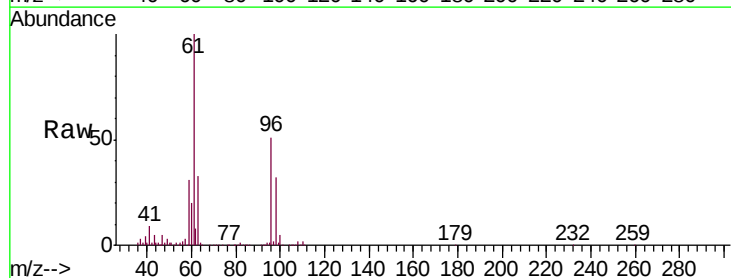
Instrument :
MSVOA_L
ClientSampleId :

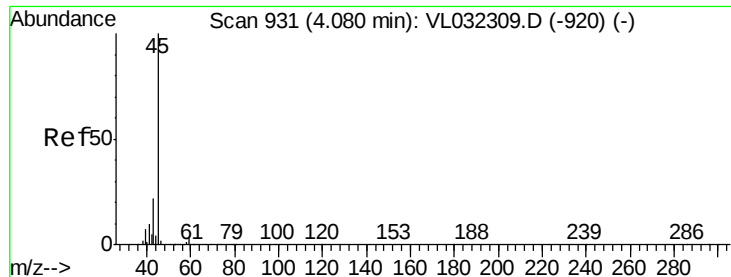
Tot Ion: 59 Resp: 561760
Ion Ratio Lower Upper
59 100
57 10.1 8.0 12.0



#18
1,1-Dichloroethene
Concen: 10.312 ppbv
RT: 4.41 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 96 Resp: 616714
Ion Ratio Lower Upper
96 100
61 194.4 159.0 238.4
98 63.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.893 ppbv

RT: 4.08 min Scan# 931

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

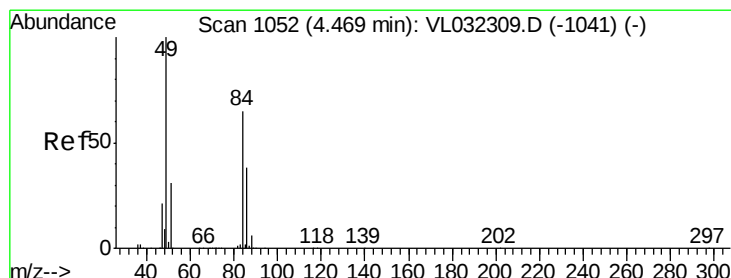
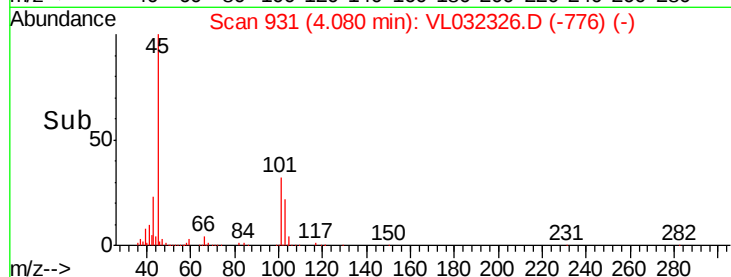
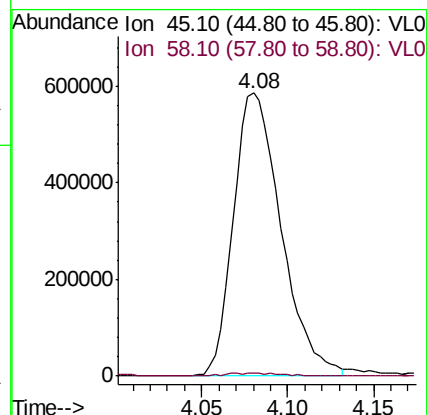
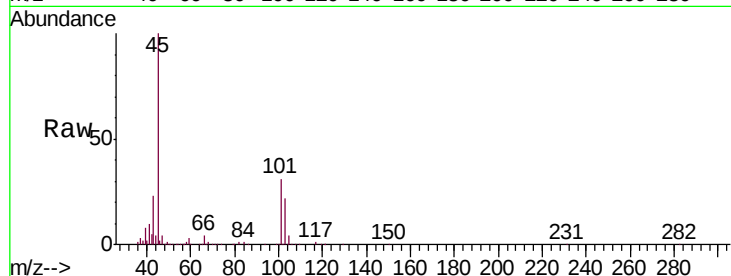
ClientSampleId :

Tot Ion: 45 Resp: 1122674

Ion Ratio Lower Upper

45 100

58 1.4 1.5 2.3#



#20

Methylene Chloride

Concen: 8.514 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Tgt Ion: 84 Resp: 528543

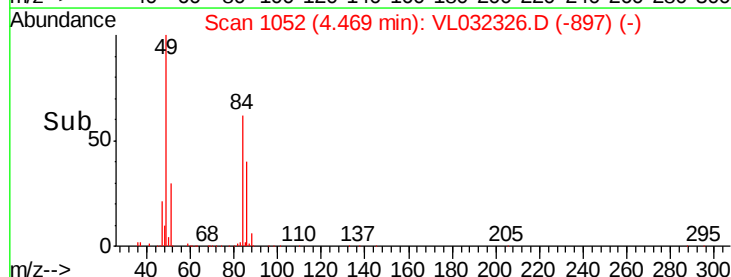
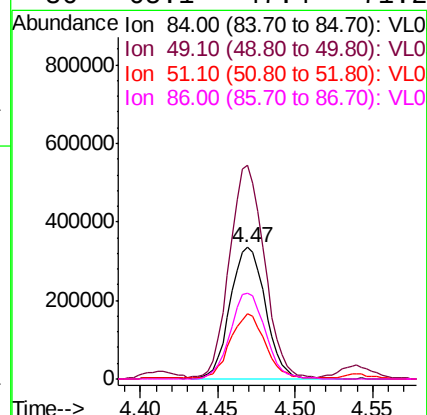
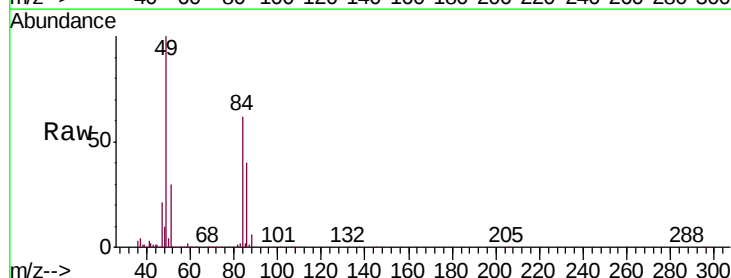
Ion Ratio Lower Upper

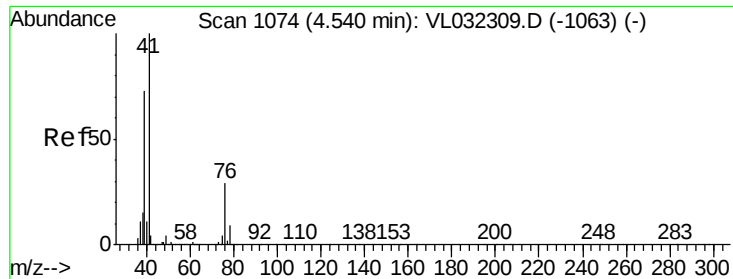
84 100

49 161.2 123.4 185.0

51 48.7 38.2 57.2

86 65.1 47.4 71.2

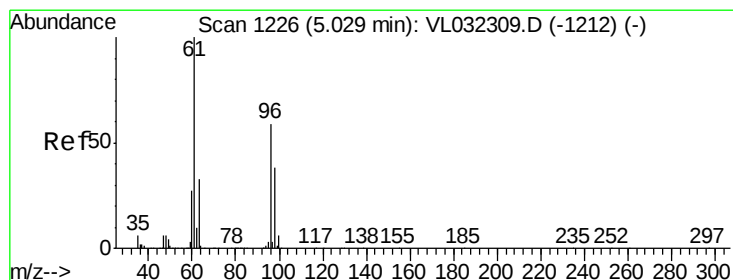
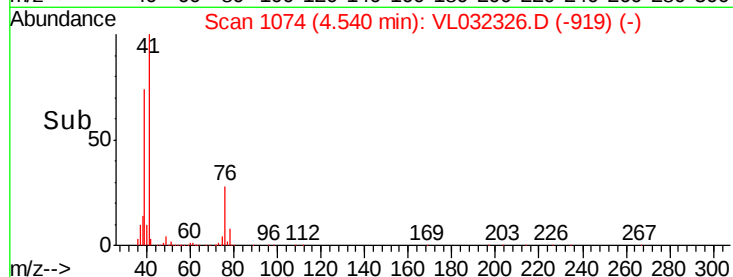
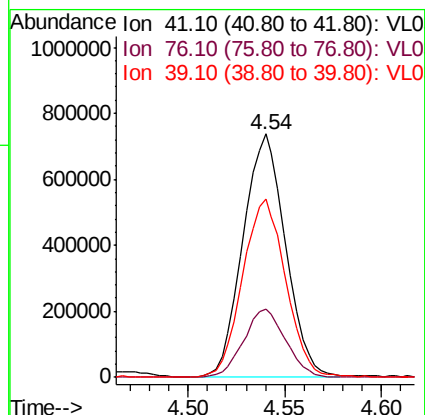
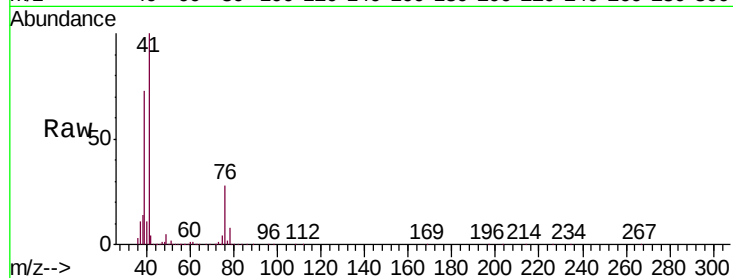




#21
Allvl Chloride
Concen: 10.665 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

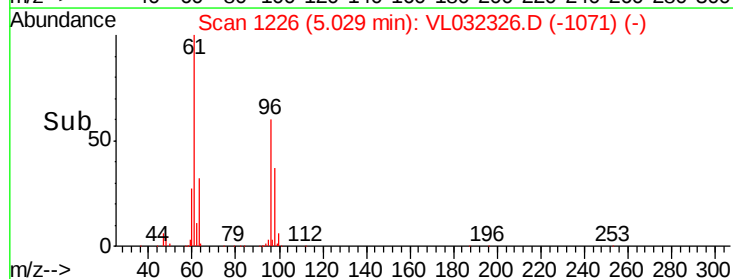
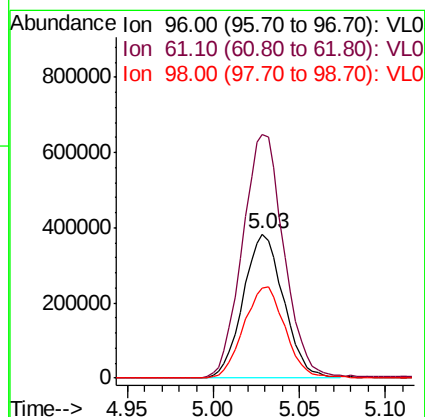
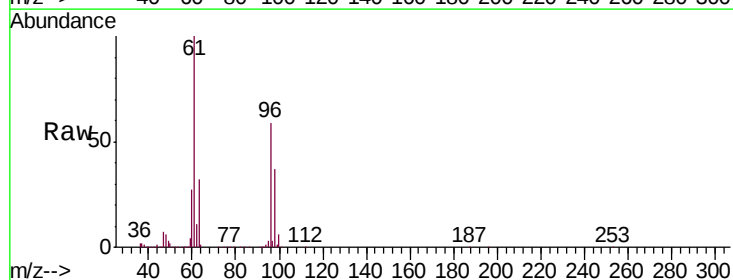
Instrument :
MSVOA_L
ClientSampleId :

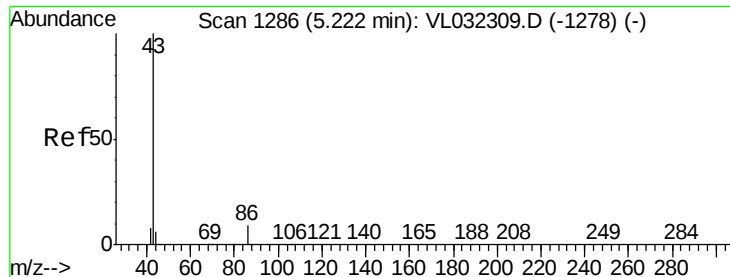
Tot Ion: 41 Resp: 1123757
Ion Ratio Lower Upper
41 100
76 27.9 23.1 34.7
39 74.2 58.2 87.2



#22
trans-1,2-Dichloroethene
Concen: 10.858 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 96 Resp: 626159
Ion Ratio Lower Upper
96 100
61 169.2 136.5 204.7
98 62.3 51.3 76.9



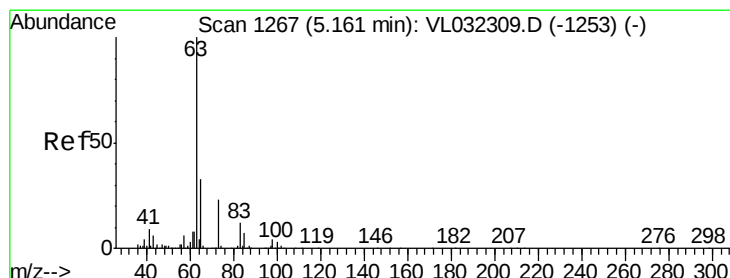
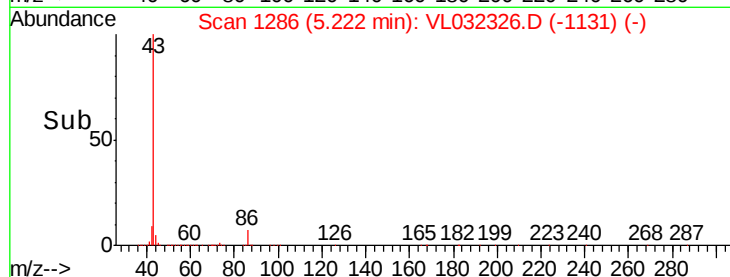
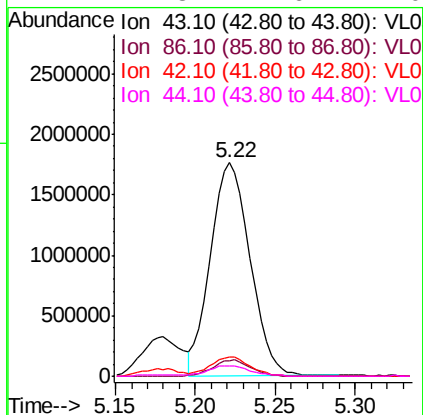
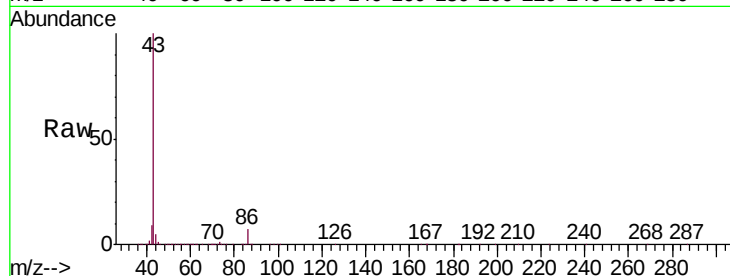


#23
 Vinyl Acetate
 Concen: 10.881 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 3014818

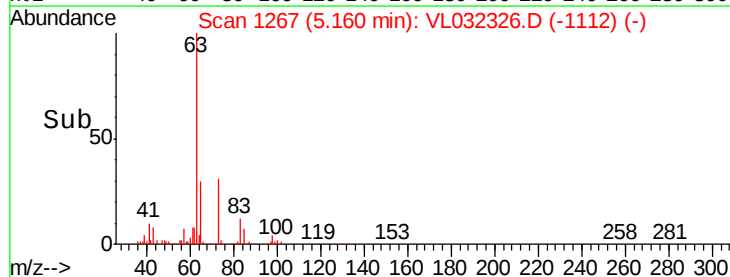
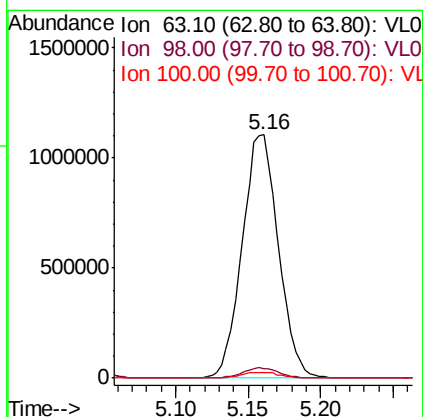
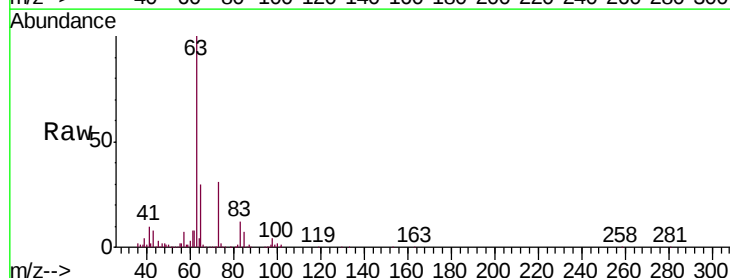
Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	9.0	7.0	10.4
44	4.8	4.6	7.0

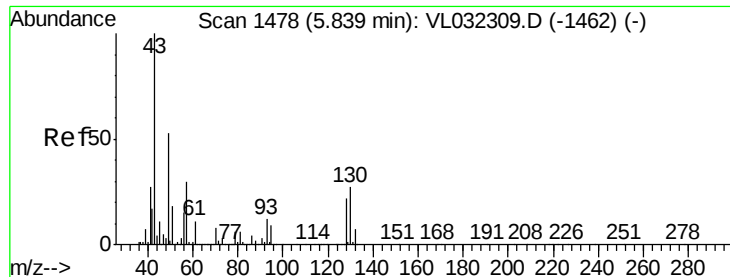


#24
 1,1-Dichloroethane
 Concen: 9.670 ppbv
 RT: 5.16 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 63 Resp: 1921871

Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.5
100	2.4	1.3	3.8



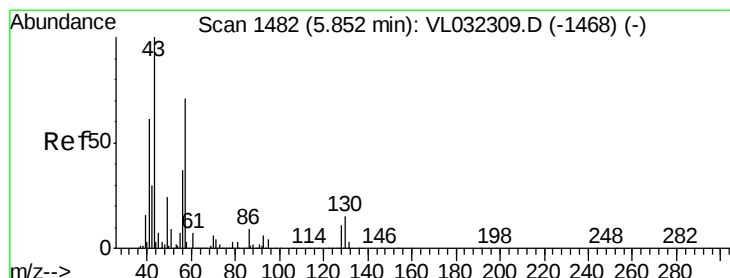
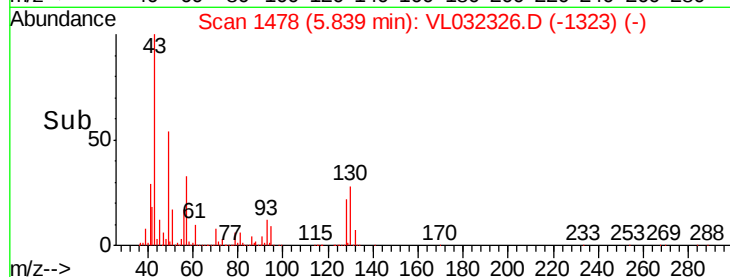
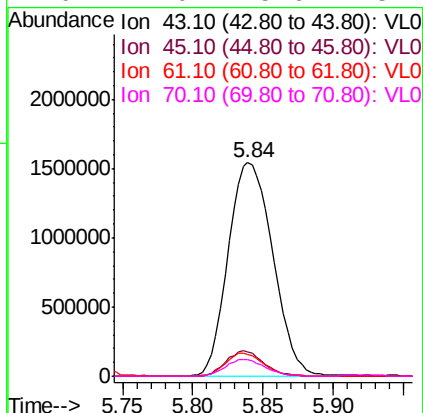
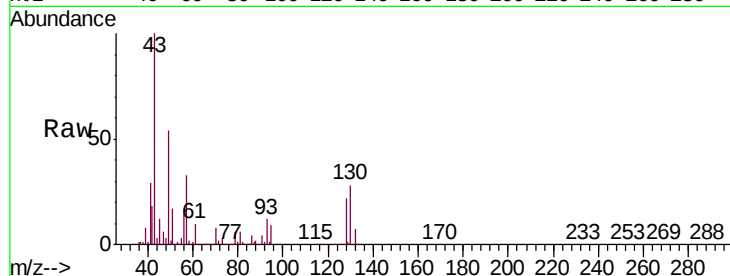


#25
Ethyl Acetate
Concen: 9.850 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3413836

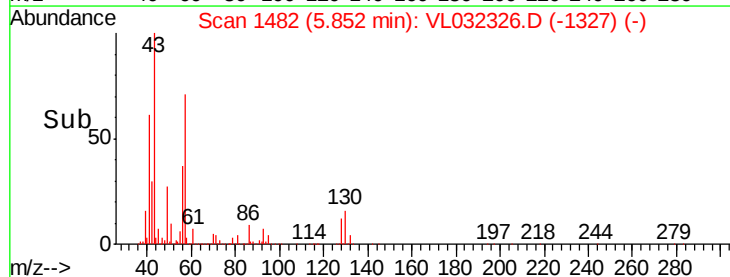
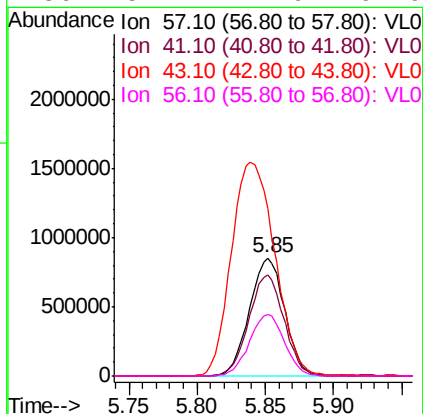
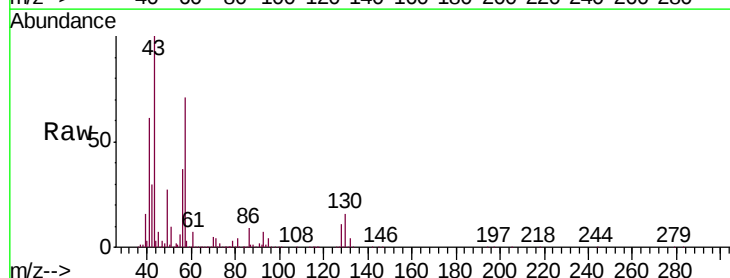
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.1	12.1
61	9.3	7.4	11.0
70	7.0	5.6	8.4

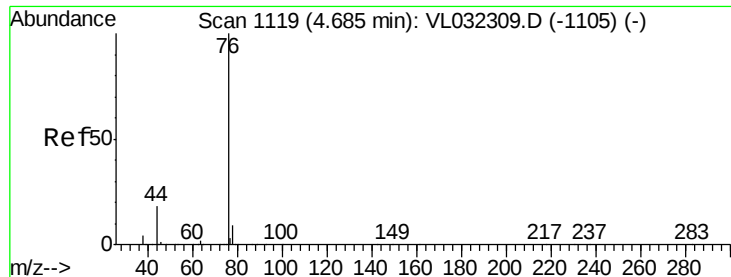


#26
Hexane
Concen: 9.738 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 57 Resp: 1527273

Ion	Ratio	Lower	Upper
57	100		
41	85.7	68.1	102.1
43	225.0	177.4	266.2
56	52.2	41.9	62.9

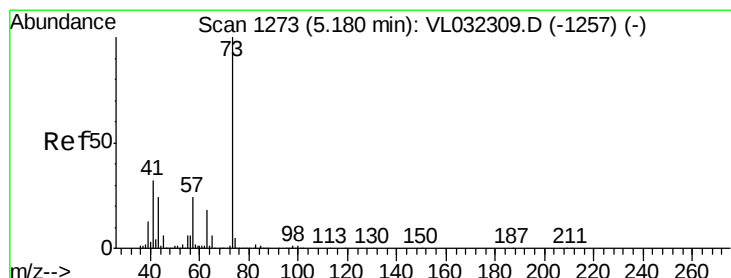
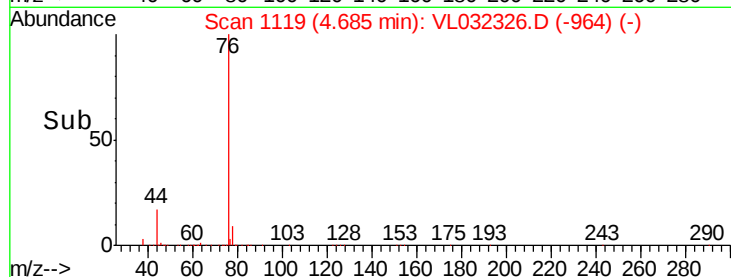
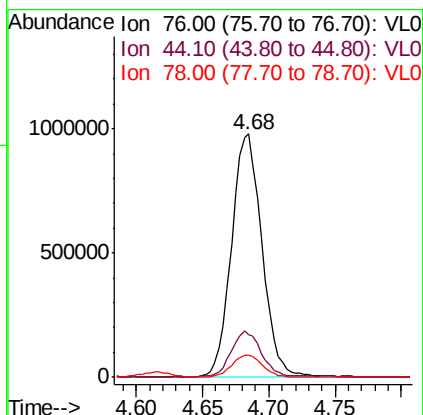
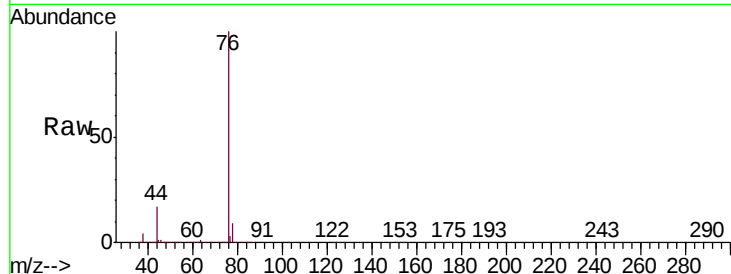




#27
Carbon Disulfide
Concen: 11.001 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

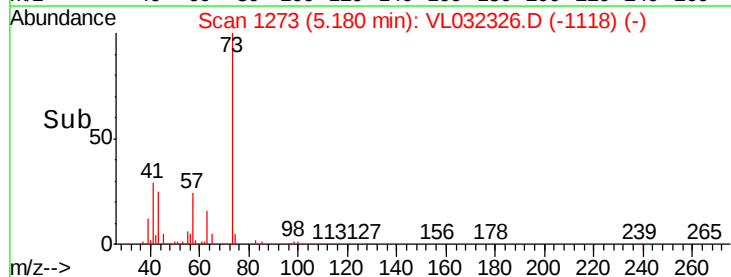
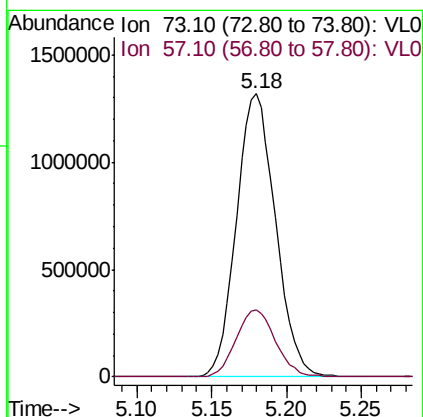
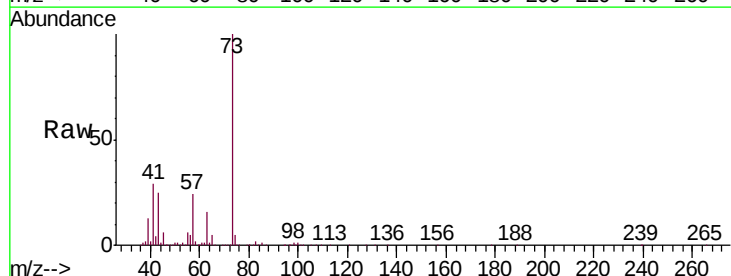
Instrument :
MSVOA_L
ClientSampleId :

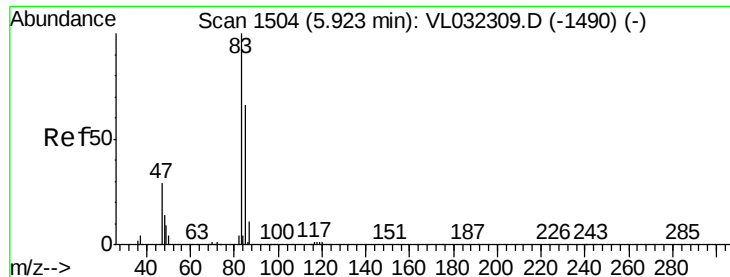
Tot Ion: 76 Resp: 1568640
Ion Ratio Lower Upper
76 100
44 18.5 14.0 21.0
78 9.4 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 11.305 ppbv
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 73 Resp: 2398043
Ion Ratio Lower Upper
73 100
57 24.0 19.4 29.0





#29

Chloroform

Concen: 9.665 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

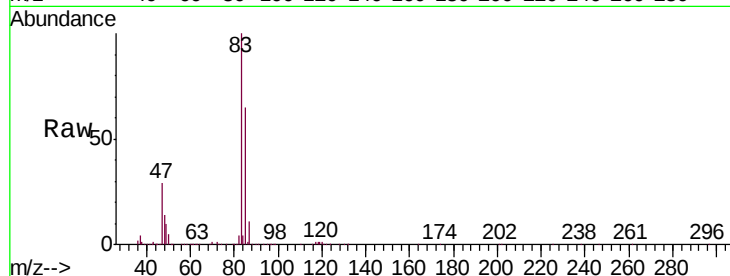
ClientSampleId :

Tot Ion: 83 Resp: 2204766

Ion Ratio Lower Upper

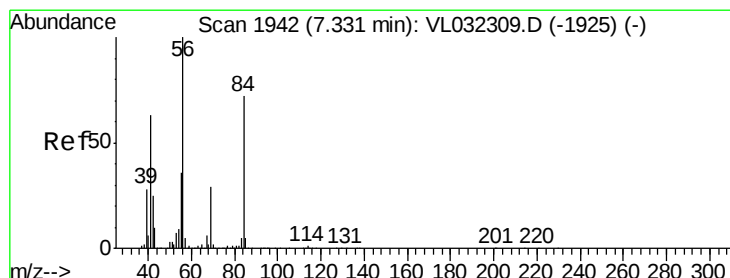
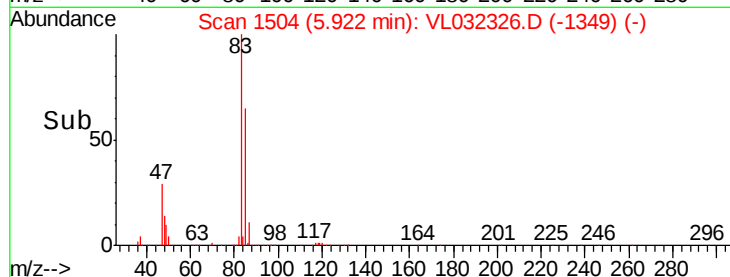
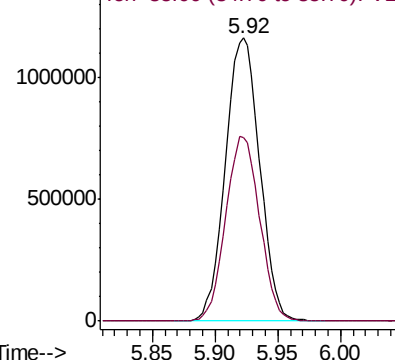
83 100

85 64.7 52.9 79.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.223 ppbv

RT: 7.33 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

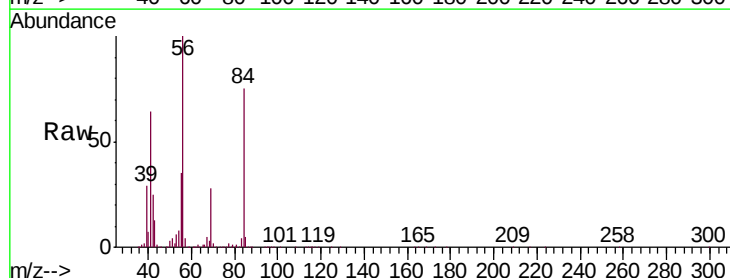
Tgt Ion: 84 Resp: 1373334

Ion Ratio Lower Upper

84 100

56 142.8 116.8 175.2

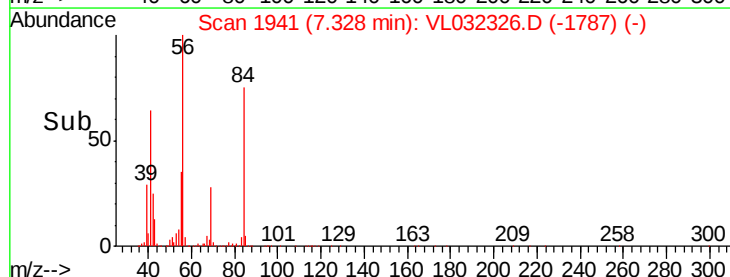
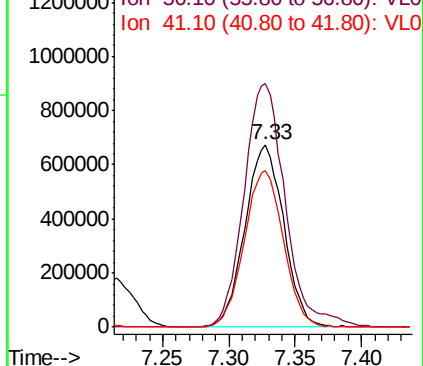
41 86.4 70.0 105.0

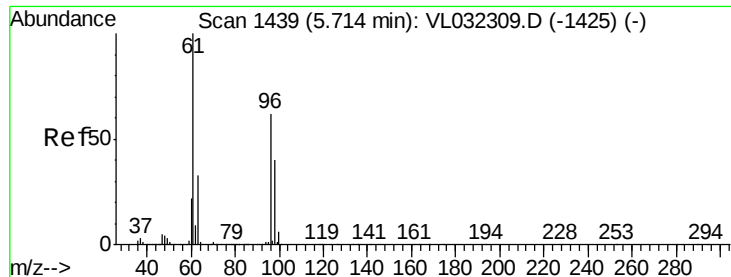


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

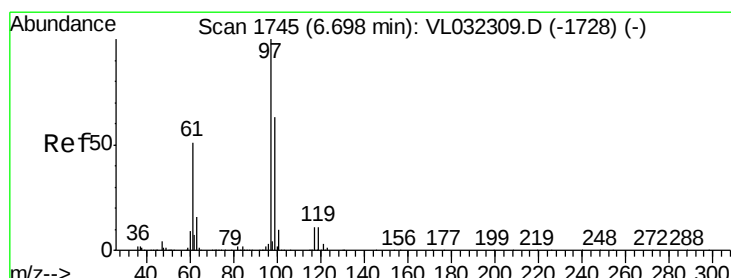
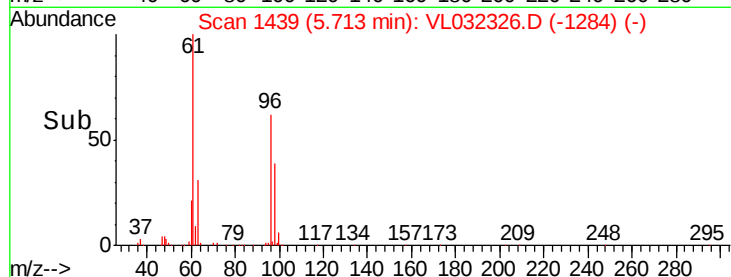
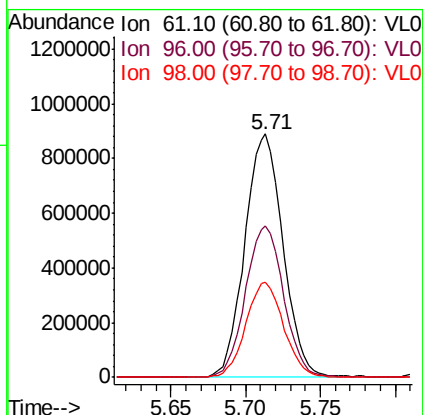
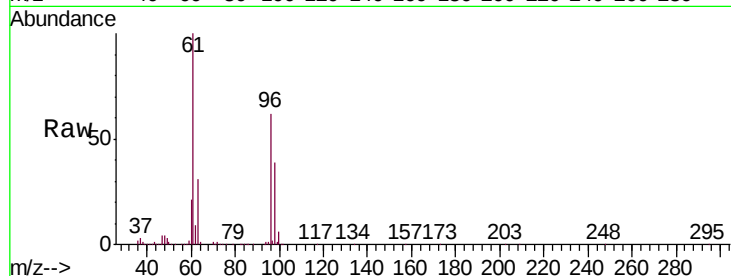




#31
 cis-1,2-Dichloroethene
 Concen: 10.845 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

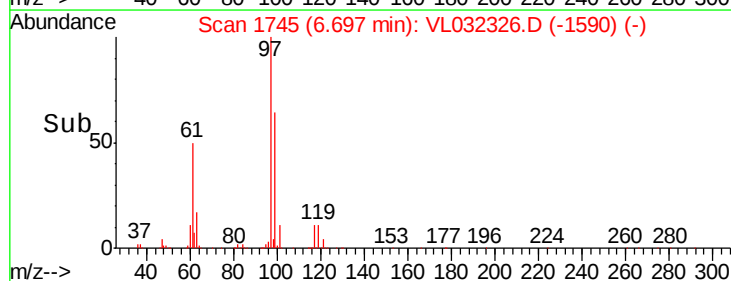
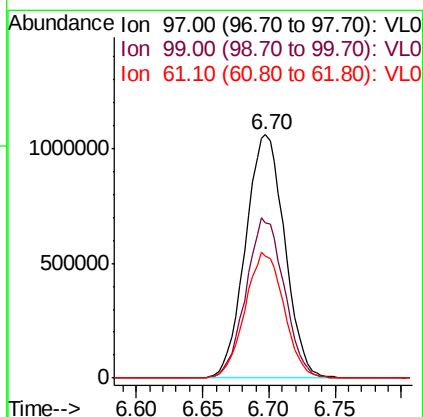
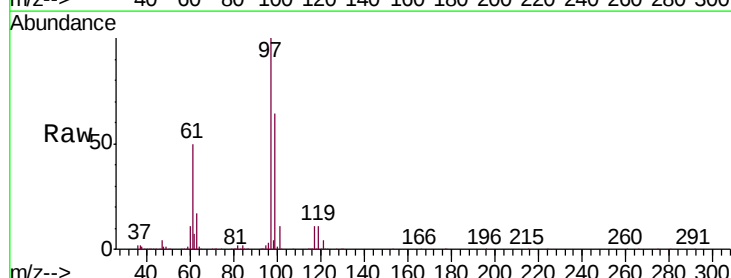
Instrument :
 MSVOA_L
 ClientSampled :

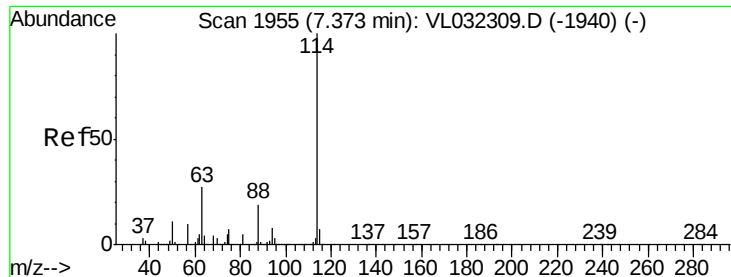
Tot Ion: 61 Resp: 1576968
 Ion Ratio Lower Upper
 61 100
 96 62.0 49.8 74.6
 98 39.1 31.8 47.6



#32
 1,1,1-Trichloroethane
 Concen: 10.828 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 97 Resp: 2186015
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.9 76.3
 61 51.2 41.8 62.6

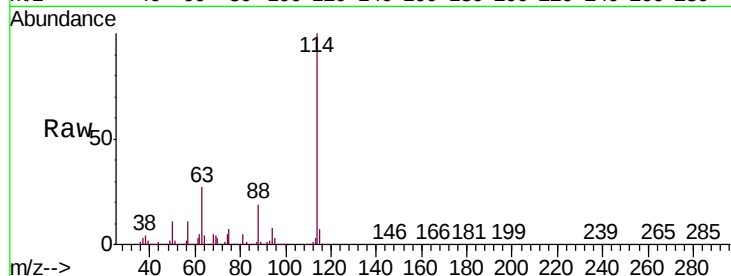




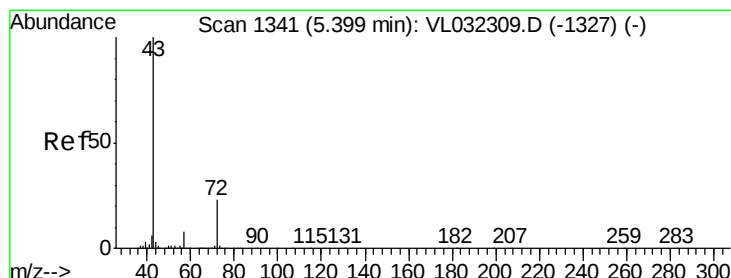
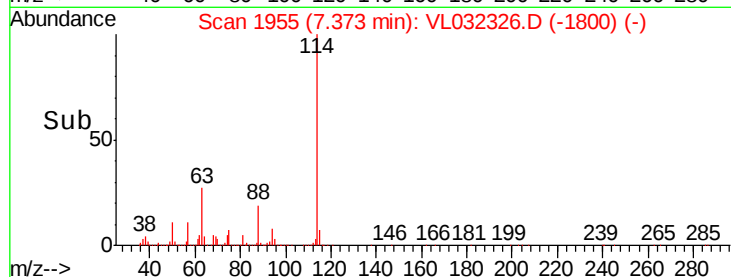
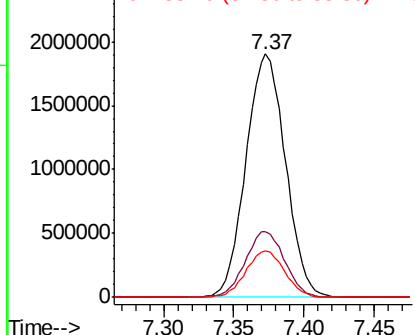
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3741646
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 19.0 15.3 22.9

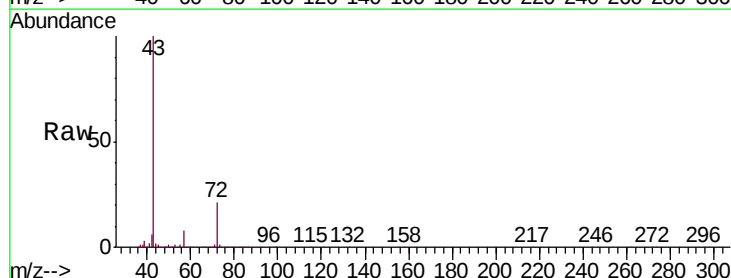


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

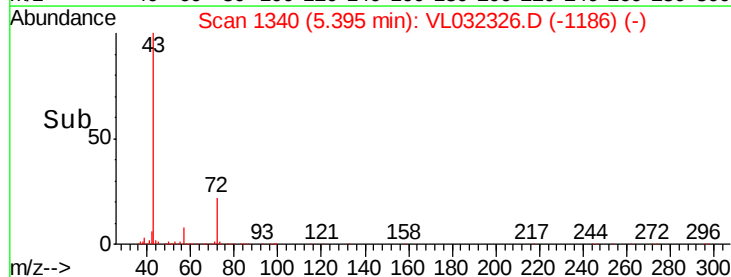
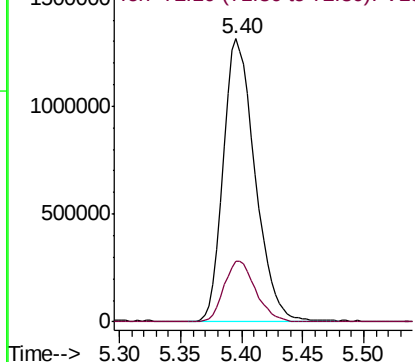


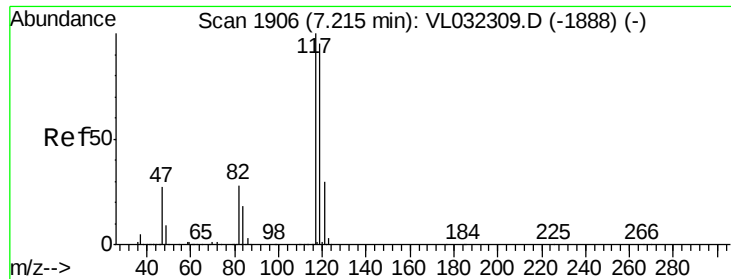
#34
 2-Butanone
 Concen: 9.885 ppbv
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 43 Resp: 2393897
 Ion Ratio Lower Upper
 43 100
 72 21.5 17.4 26.2



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

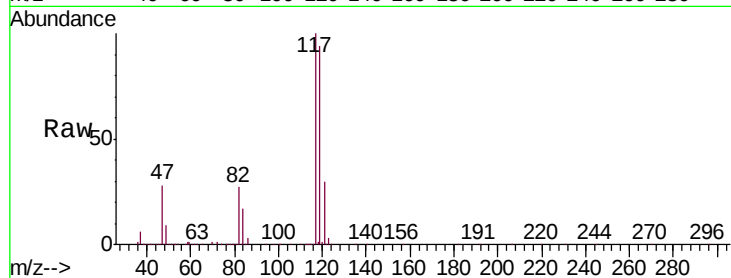




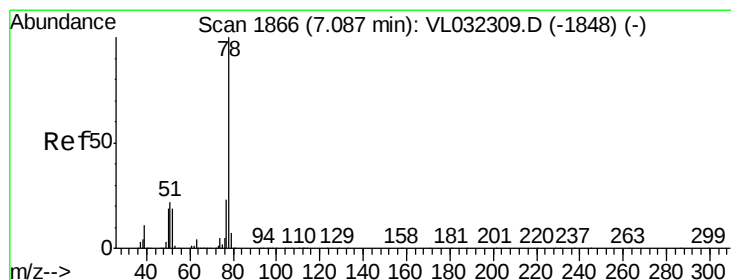
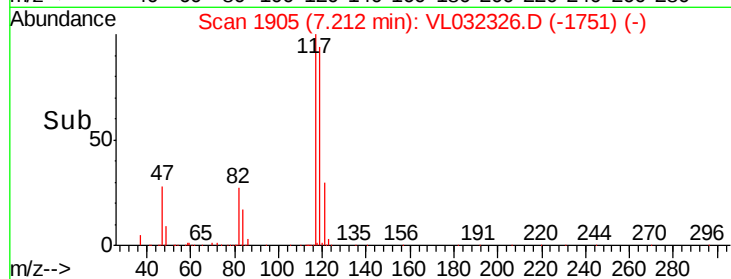
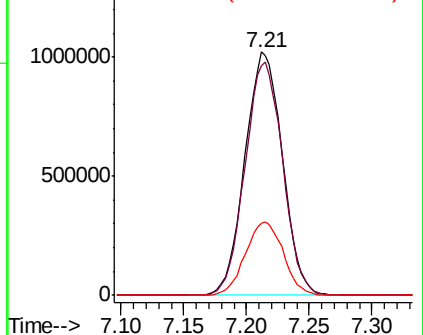
#35
Carbon Tetrachloride
Concen: 9.990 ppbv
RT: 7.21 min Scan# 1905
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2123195
Ion Ratio Lower Upper
117 100
119 94.2 76.1 114.1
121 29.8 24.4 36.6

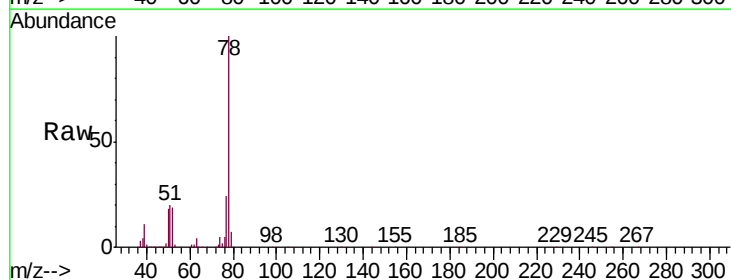


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

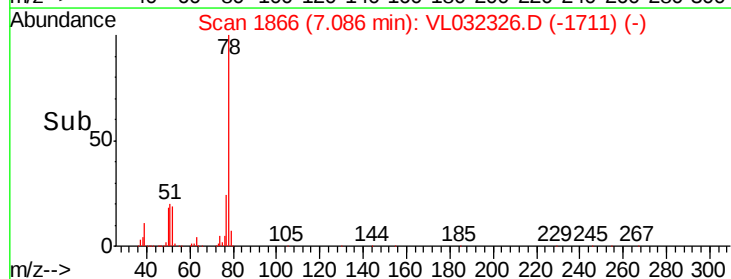
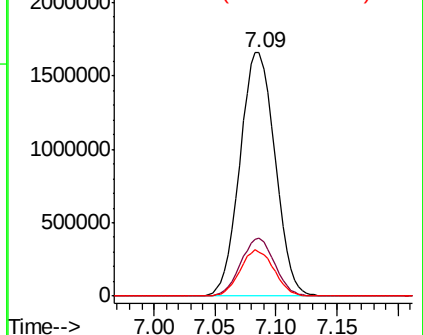


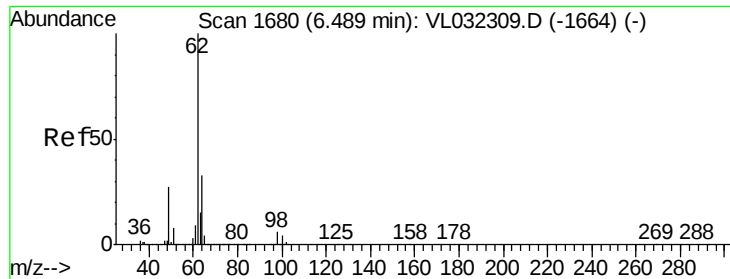
#36
Benzene
Concen: 9.991 ppbv
RT: 7.09 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 78 Resp: 3295093
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6
50 18.1 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: 9.093 ppbv

RT: 6.49 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

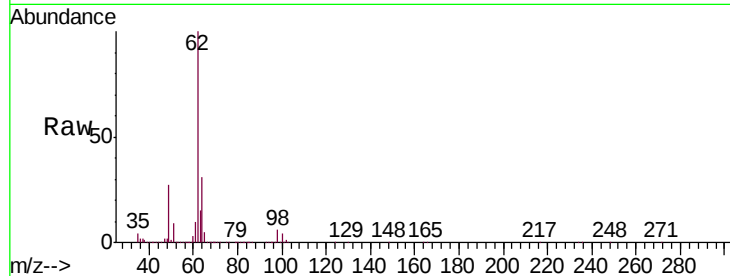
ClientSampleId :

Tot Ion: 62 Resp: 1732852

Ion Ratio Lower Upper

62 100

98 6.6 5.1 7.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.49

1000000

800000

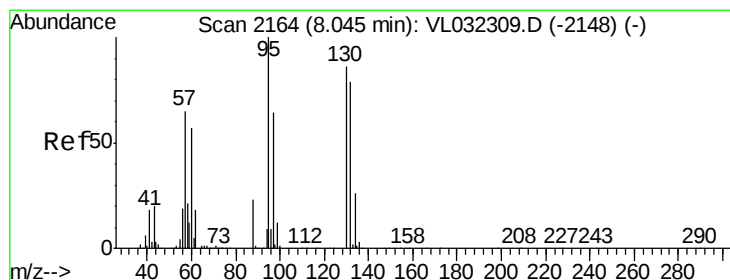
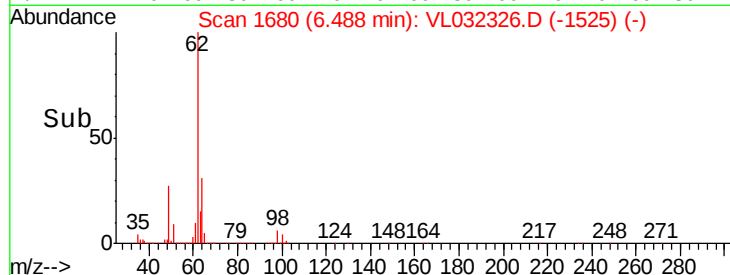
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.018 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Tgt Ion: 130 Resp: 1276902

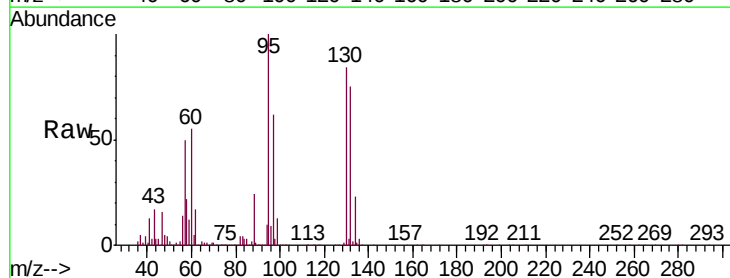
Ion Ratio Lower Upper

130 100

95 119.9 92.9 139.3

132 90.4 73.0 109.4

97 74.4 59.6 89.4



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1200000

1000000

800000

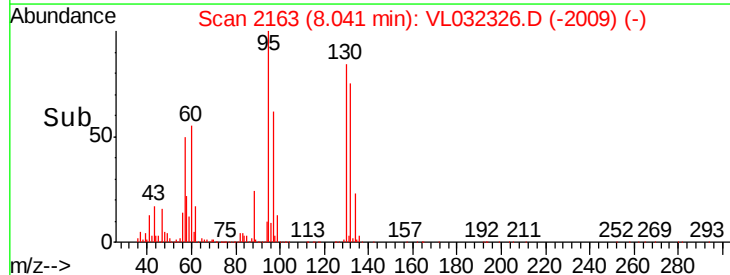
600000

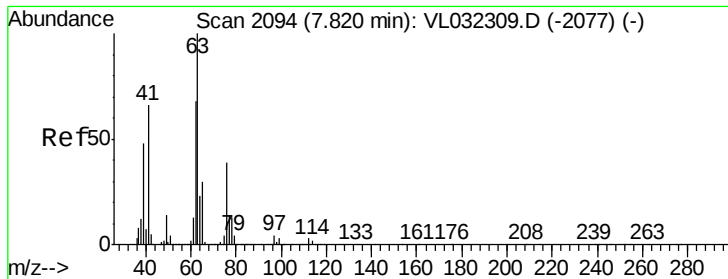
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.006 ppbv

RT: 7.82 min Scan# 2093

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampleId :

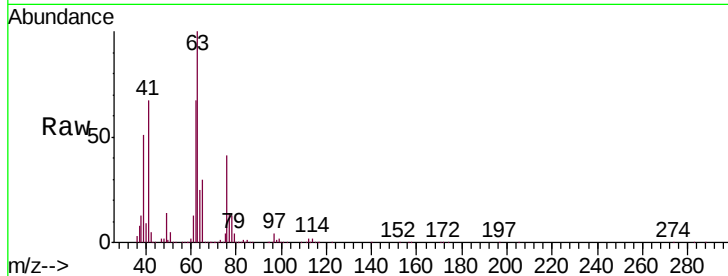
Tot Ion: 63 Resp: 1494442

Ion Ratio Lower Upper

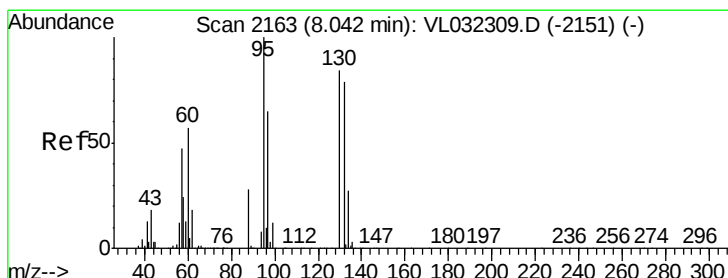
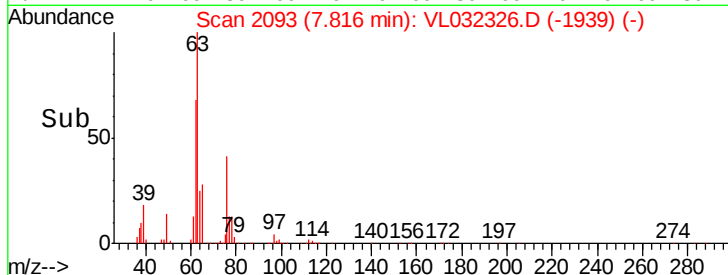
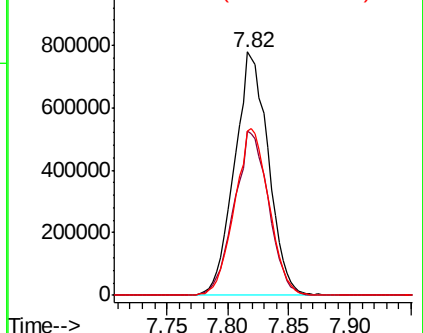
63 100

41 67.3 52.5 78.7

62 67.5 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: 9.588 ppbv

RT: 8.03 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Tgt Ion: 88 Resp: 467227

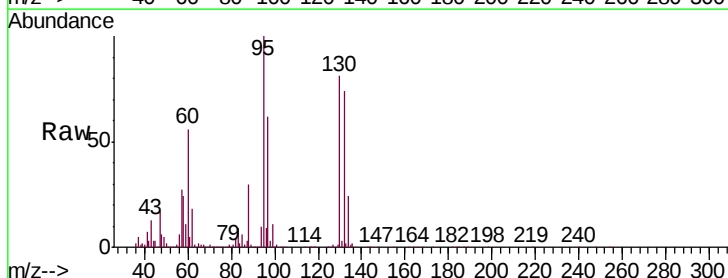
Ion Ratio Lower Upper

88 100

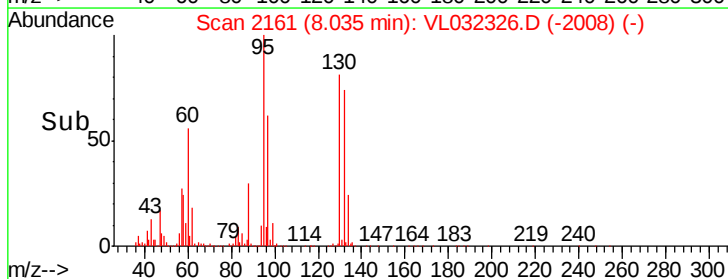
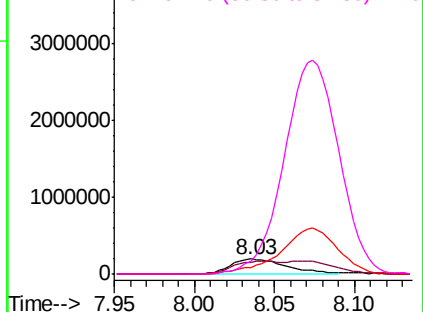
58 150.3 120.5 180.7

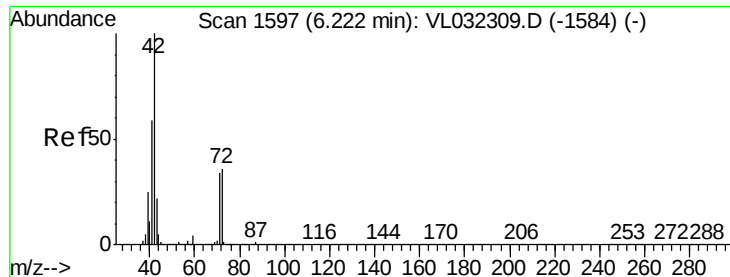
43 319.3 246.2 369.2

57 1433.0 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: 10.360 ppbv

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampleId :

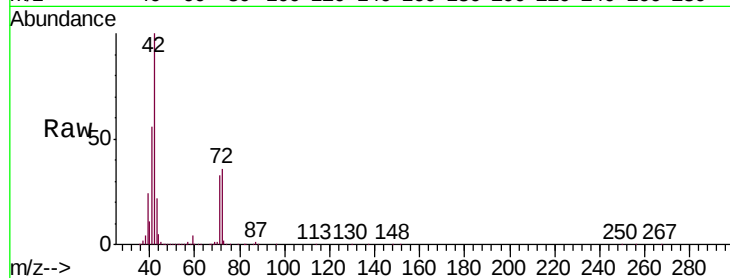
Tot Ion: 42 Resp: 1419202

Ion Ratio Lower Upper

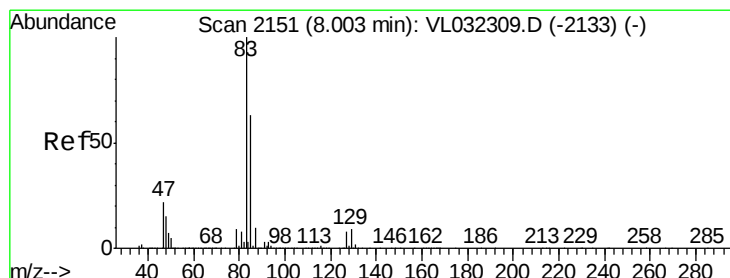
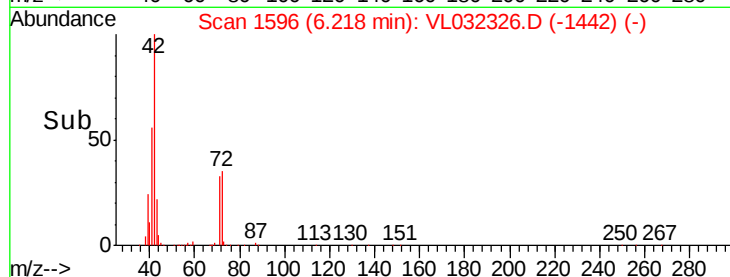
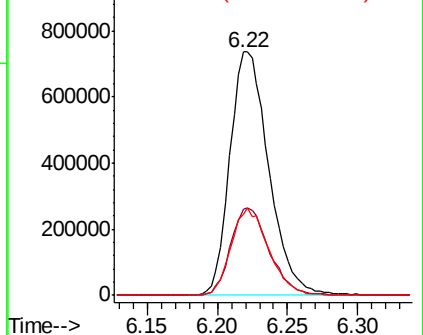
42 100

72 35.8 28.6 42.8

71 34.7 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: 9.425 ppbv

RT: 8.00 min Scan# 2150

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

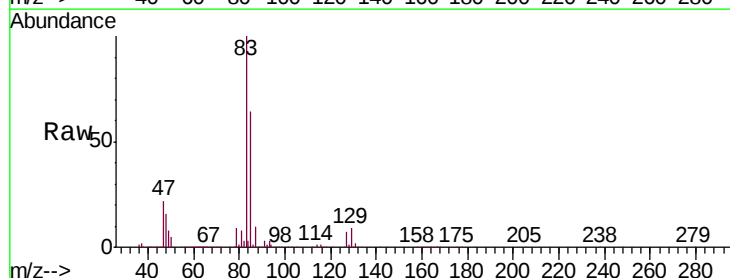
Tgt Ion: 83 Resp: 2907835

Ion Ratio Lower Upper

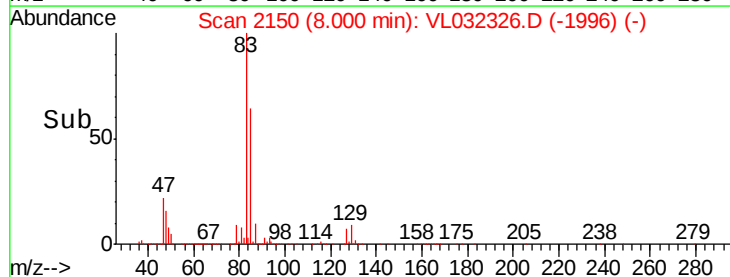
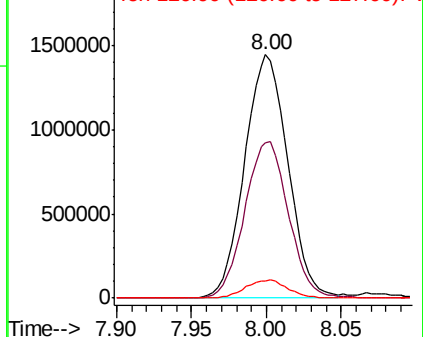
83 100

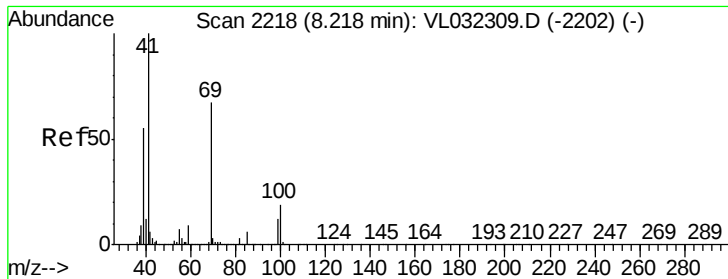
85 64.0 50.7 76.1

127 6.7 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

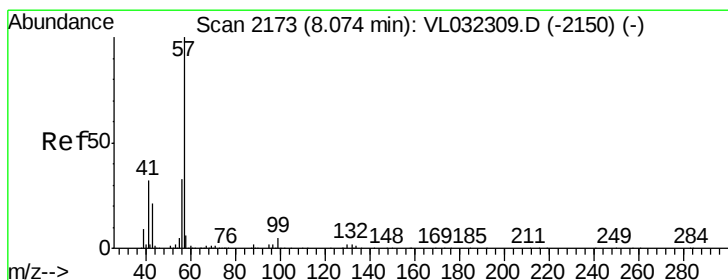
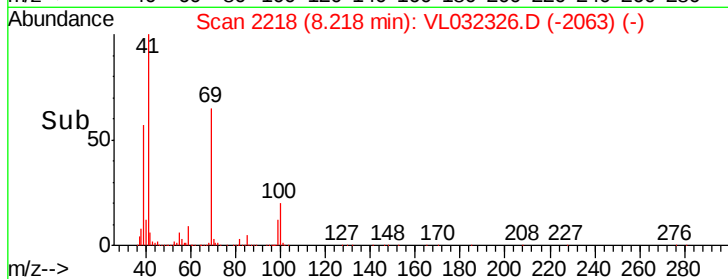
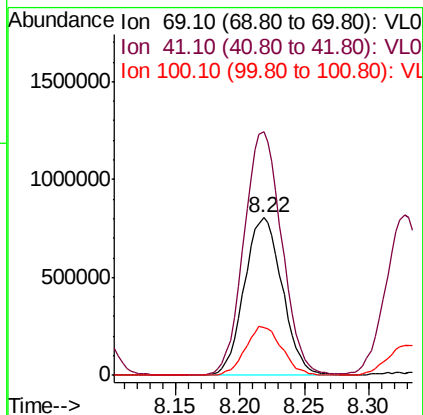
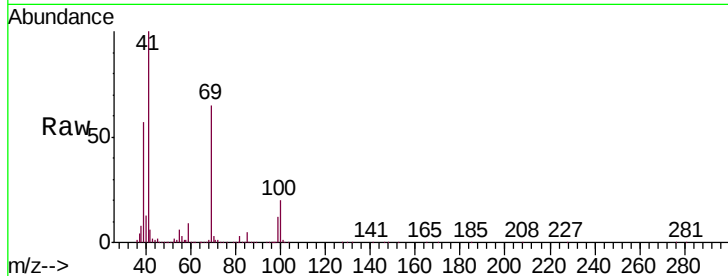




#43
Methvl Methacrilate
Concen: 10.437 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

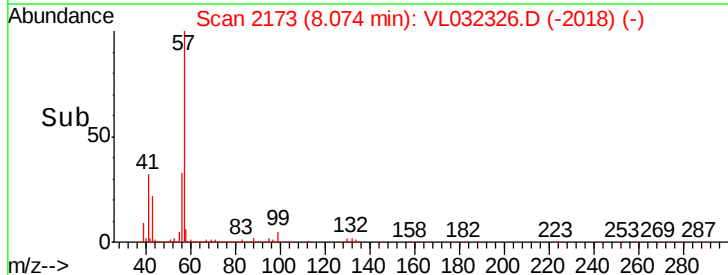
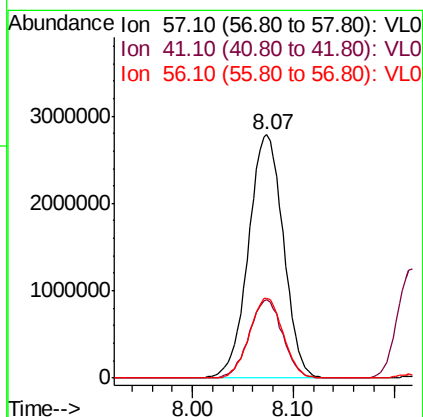
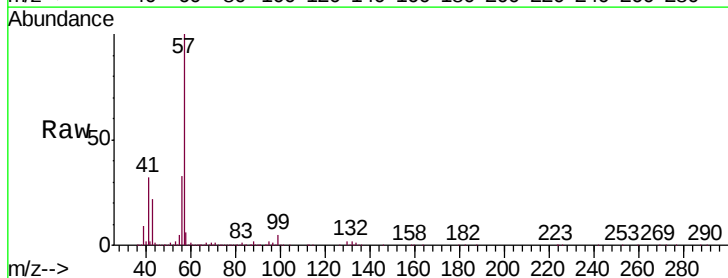
Instrument :
MSVOA_L
ClientSampleId :

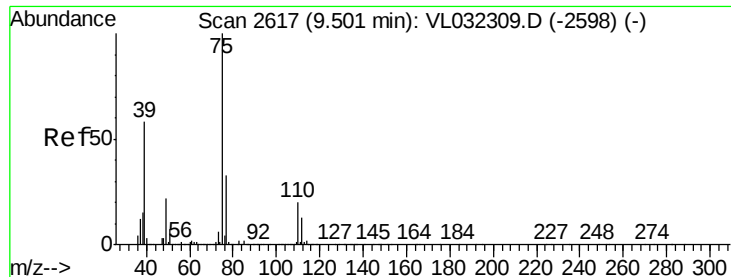
Tot Ion: 69 Resp: 1652409
Ion Ratio Lower Upper
69 100
41 153.9 120.6 180.8
100 30.0 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 9.349 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 57 Resp: 6686108
Ion Ratio Lower Upper
57 100
41 30.9 24.3 36.5
56 31.7 25.4 38.2

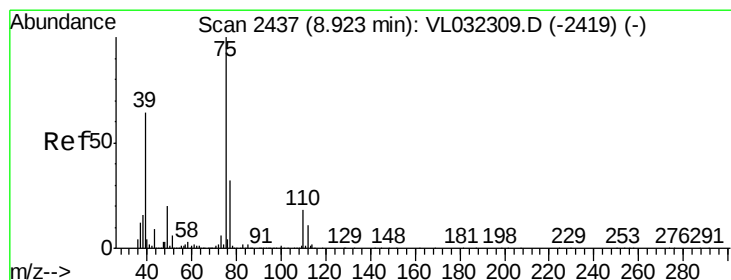
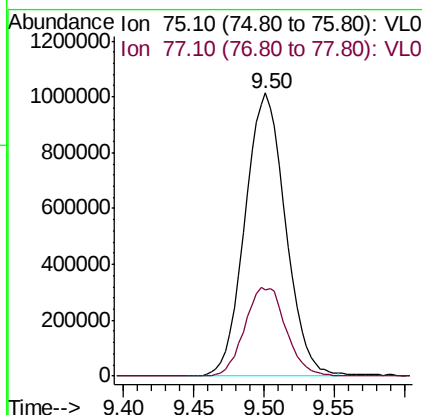
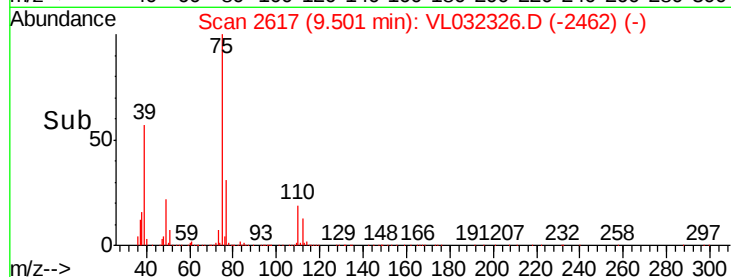
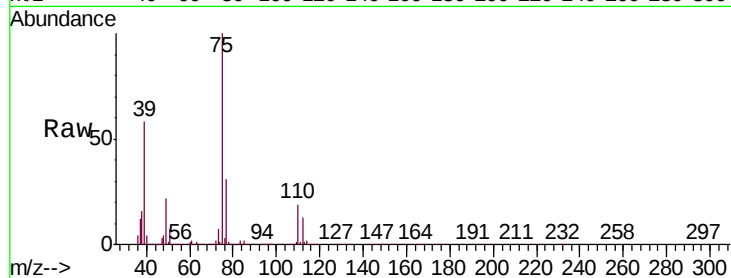




#45
 t-1,3-Dichloropropene
 Concen: 11.113 ppbv
 RT: 9.50 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

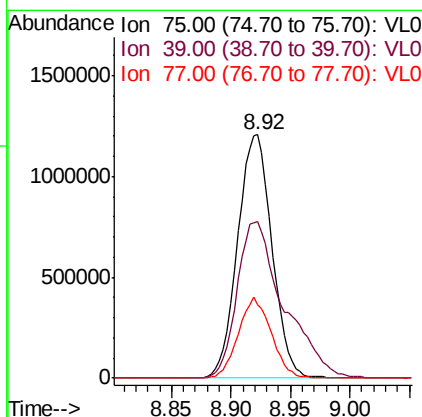
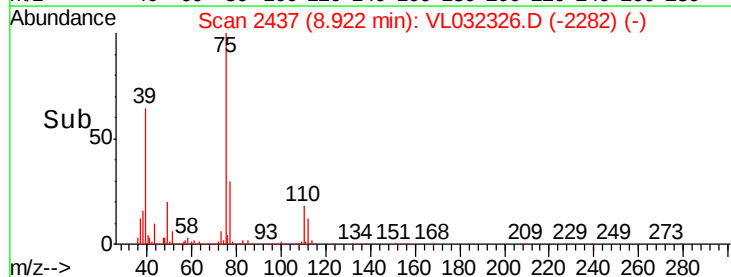
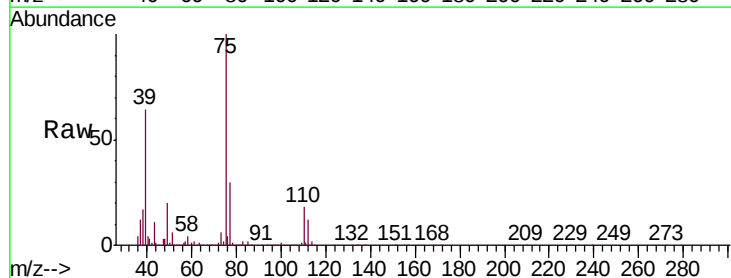
Instrument :
 MSVOA_L
 ClientSampled :

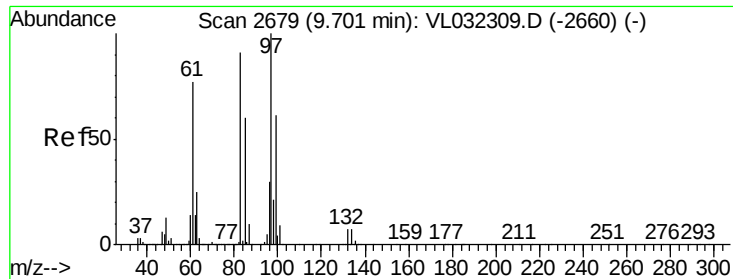
Tot Ion: 75 Resp: 2038722
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 10.740 ppbv
 RT: 8.92 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 75 Resp: 2414116
 Ion Ratio Lower Upper
 75 100
 39 64.3 50.9 76.3
 77 30.3 25.7 38.5



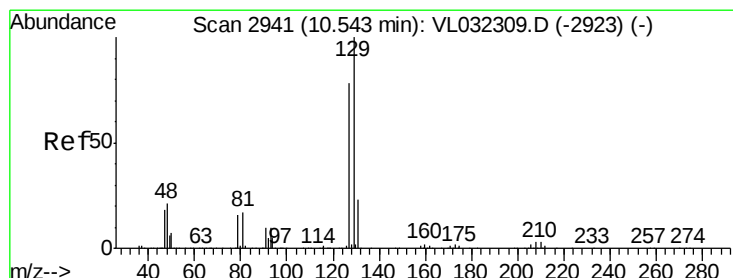
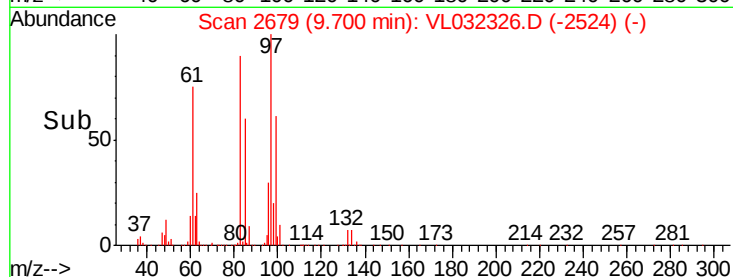
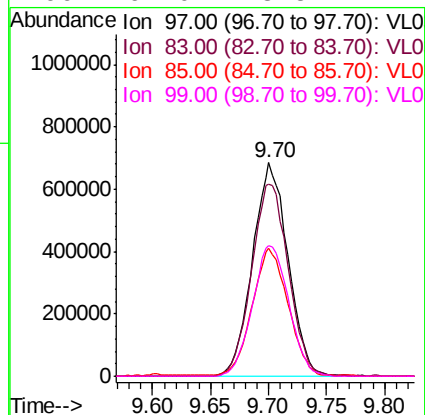
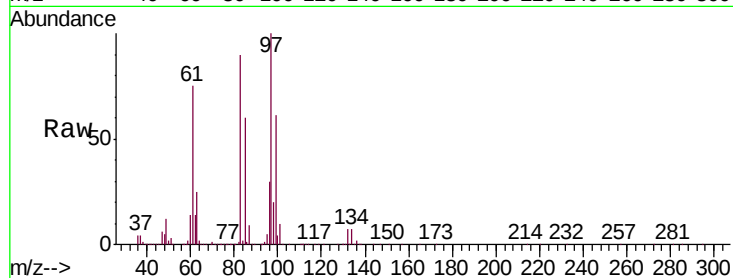


#47
 1,1,2-Trichloroethane
 Concen: 9.043 ppbv
 RT: 9.70 min Scan# 2679
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1458663

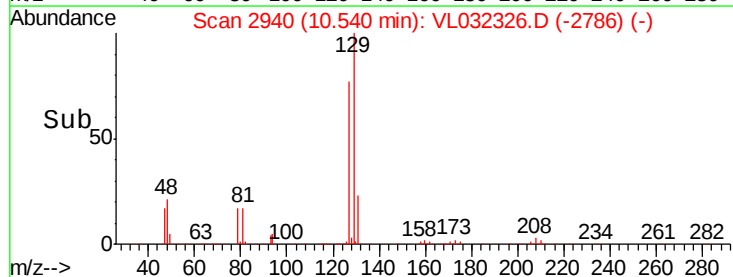
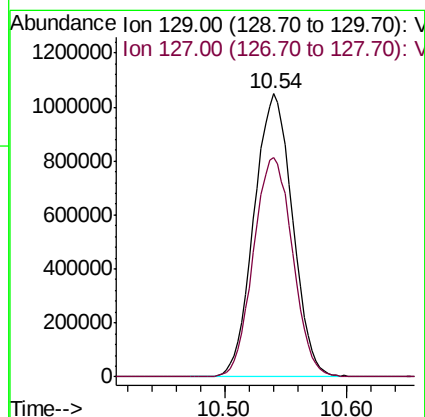
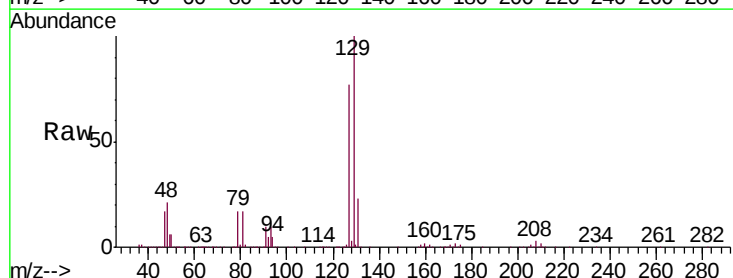
Ion	Ratio	Lower	Upper
97	100		
83	89.9	73.0	109.6
85	59.6	48.1	72.1
99	61.0	48.5	72.7

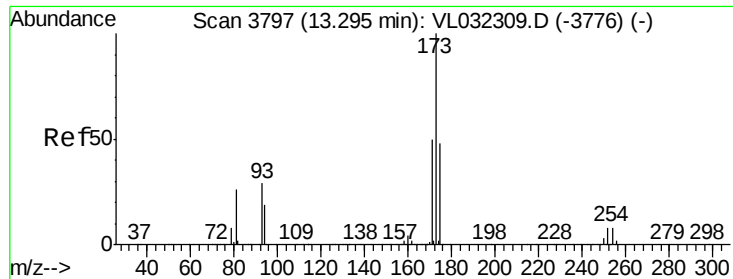


#48
 Dibromochloromethane
 Concen: 9.644 ppbv
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 129 Resp: 2292963

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.5	118.3





#49

Bromoform

Concen: 9.356 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampleId :

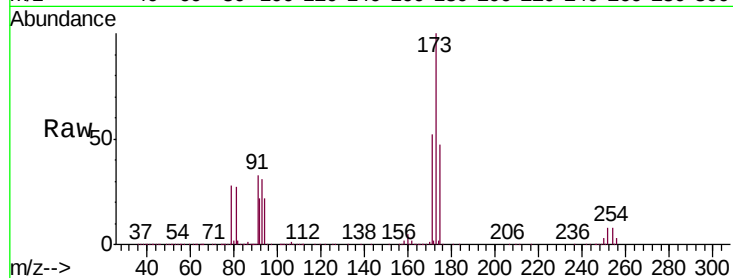
Tot Ion:173 Resp: 1831676

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

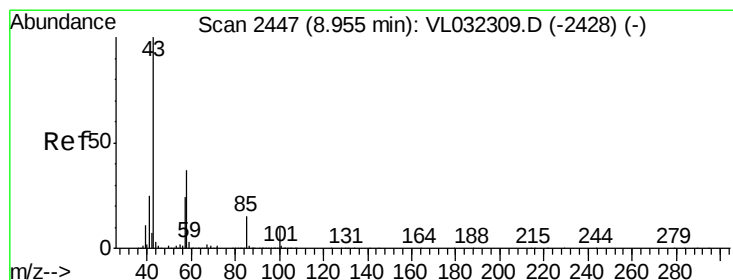
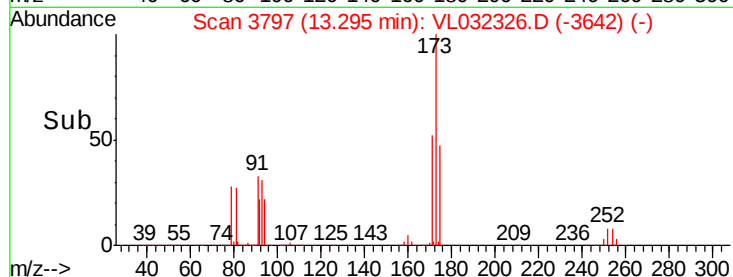
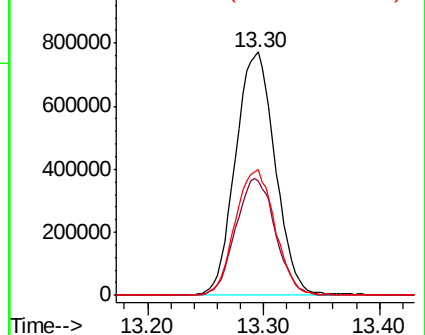
171 52.3 42.2 63.2



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: 9.862 ppbv

RT: 8.95 min Scan# 2447

Delta R.T. -0.00 min

Lab File: VL032326.D

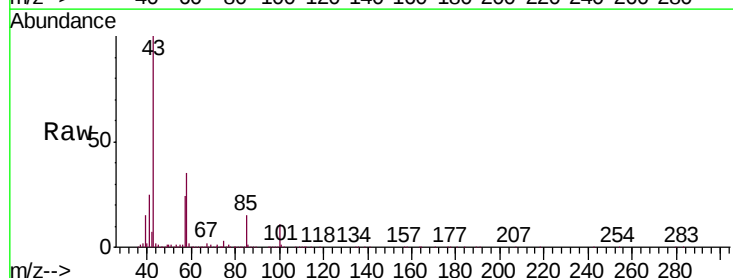
Acq: 27 Jul 2018 19:53

Tgt Ion: 43 Resp: 4214188

Ion Ratio Lower Upper

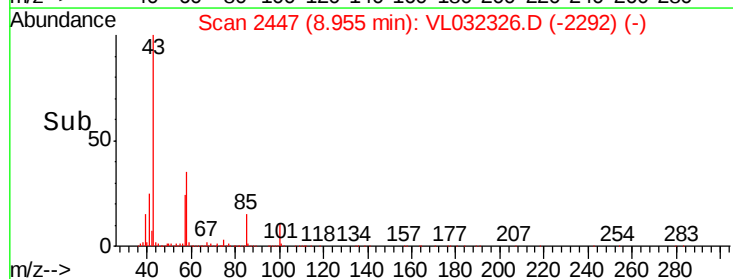
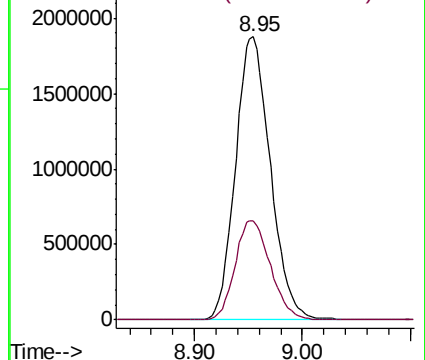
43 100

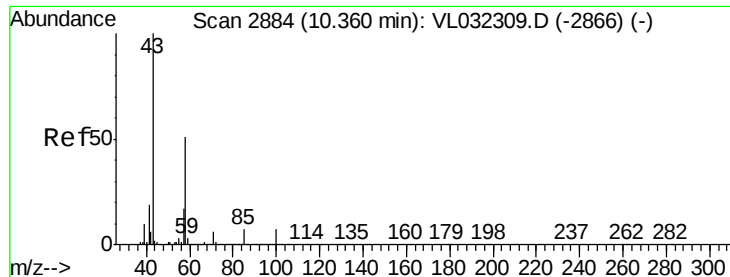
58 35.6 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.563 ppbv

RT: 10.36 min Scan# 2883

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

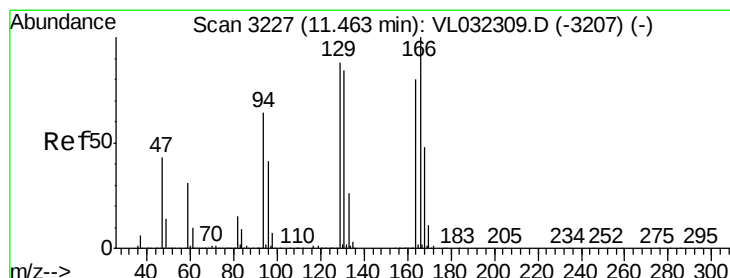
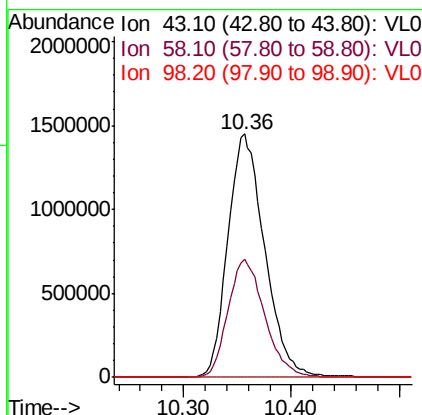
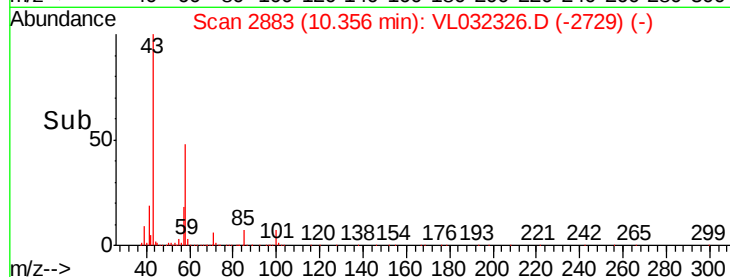
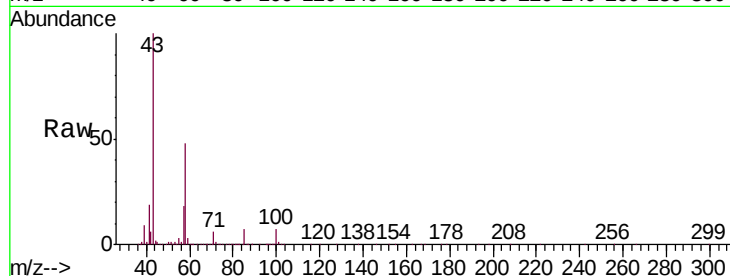
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 3439803

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.1	58.7
98	0.2	0.3	0.5#



#52

Tetrachloroethene

Concen: 10.278 ppbv

RT: 11.46 min Scan# 3227

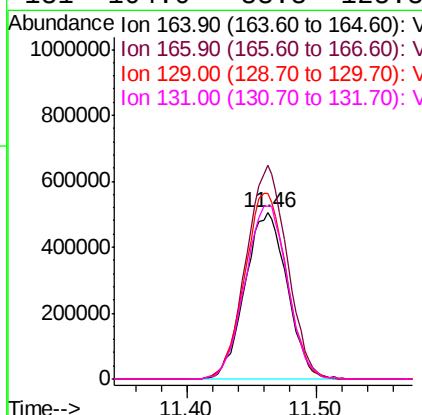
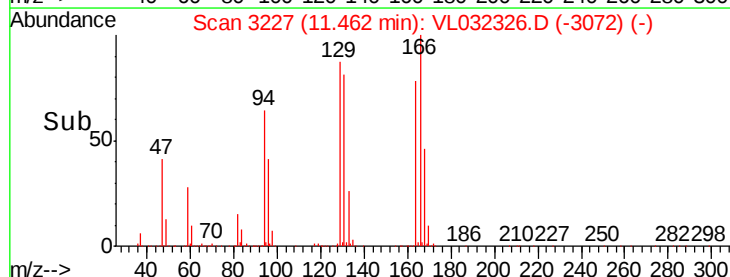
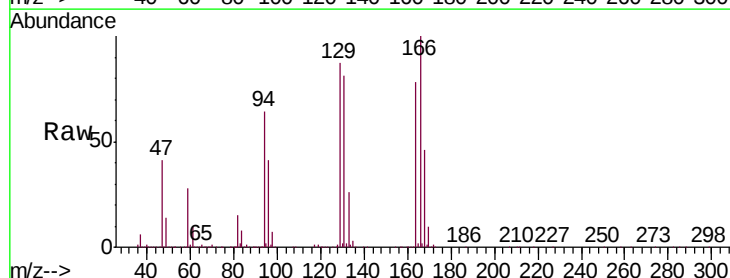
Delta R.T. -0.00 min

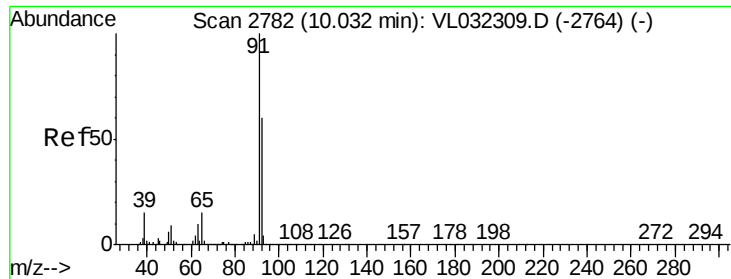
Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Tgt Ion:164 Resp: 1142327

Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.0	150.0
129	111.6	87.9	131.9
131	104.0	83.8	125.8





#53

Toluene

Concen: 10.921 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

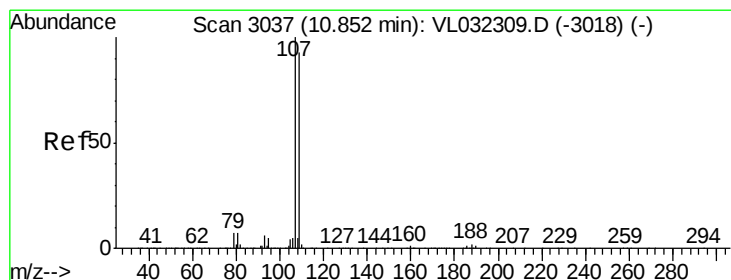
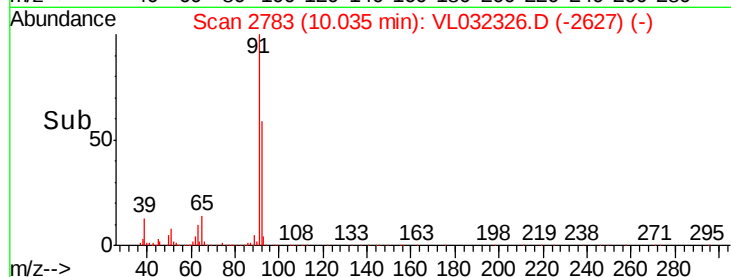
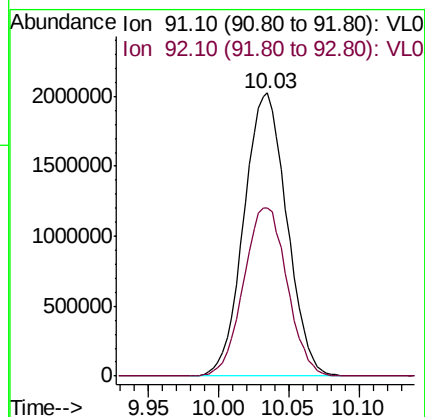
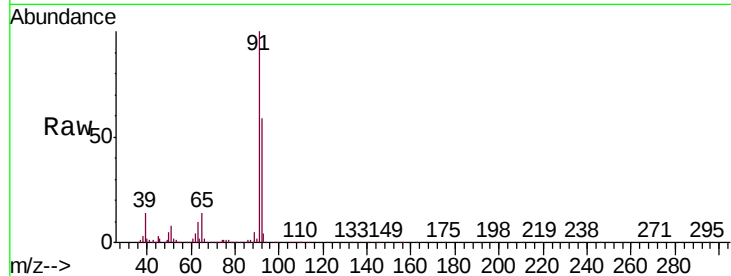
ClientSampleId :

Tot Ion: 91 Resp: 4305821

Ion Ratio Lower Upper

91 100

92 60.5 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.707 ppbv

RT: 10.85 min Scan# 3036

Delta R.T. -0.00 min

Lab File: VL032326.D

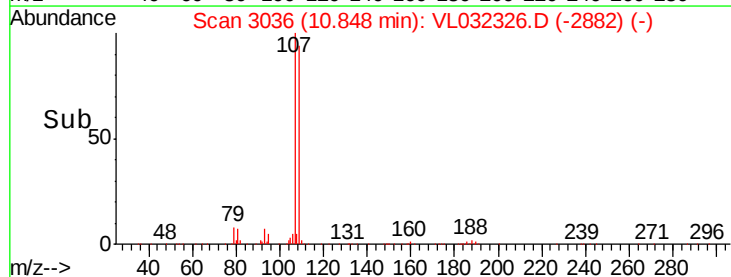
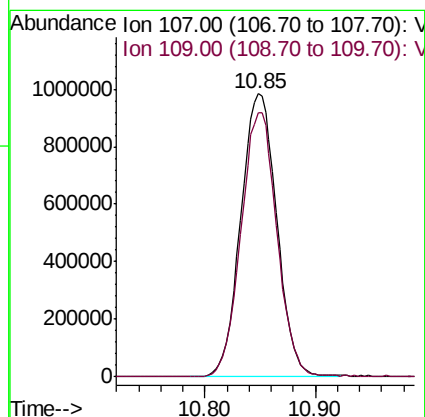
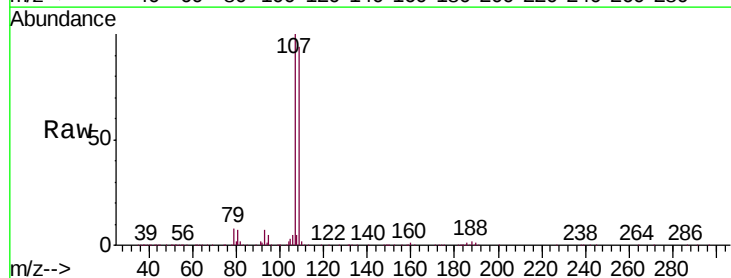
Acq: 27 Jul 2018 19:53

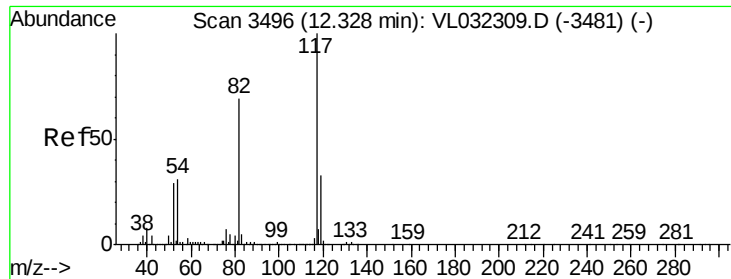
Tgt Ion: 107 Resp: 2224946

Ion Ratio Lower Upper

107 100

109 93.5 74.1 111.1

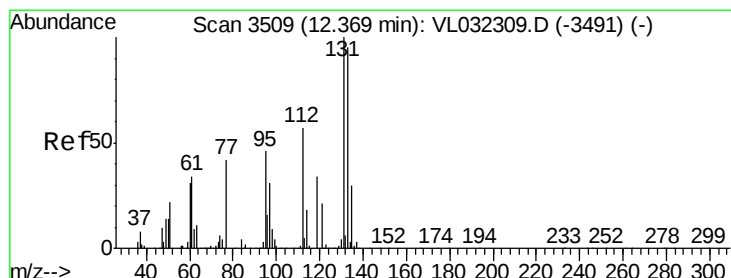
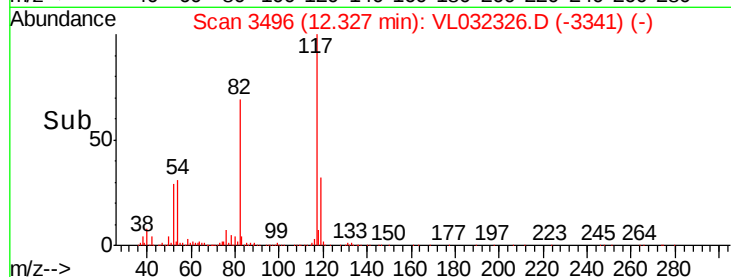
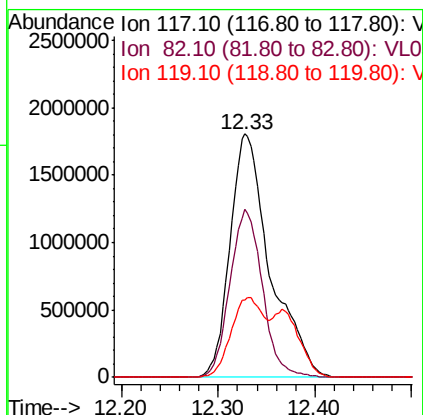
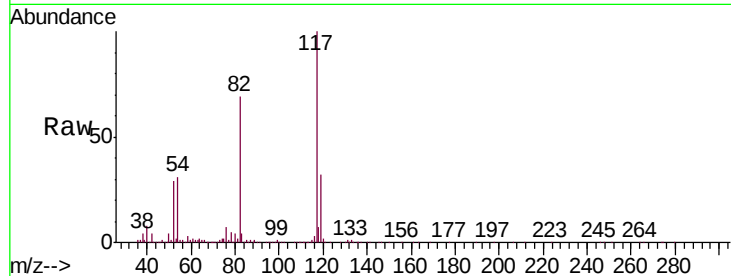




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

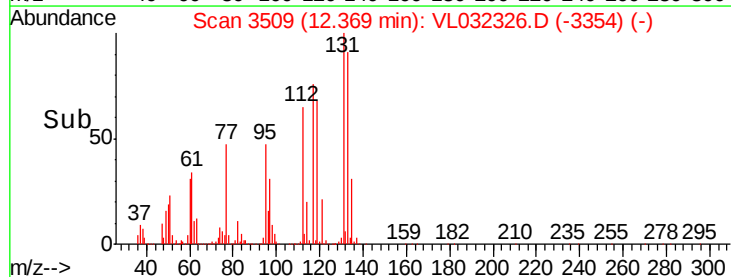
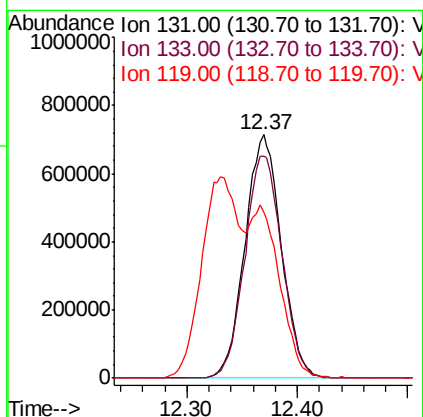
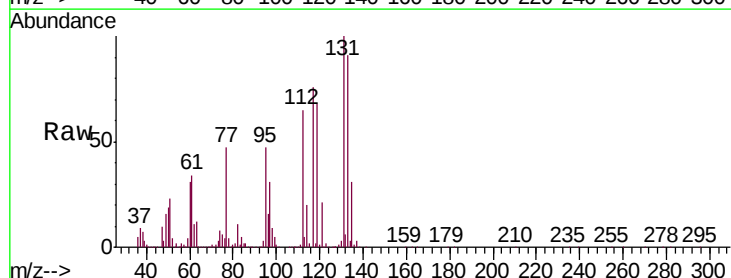
Instrument :
MSVOA_L
ClientSampleId :

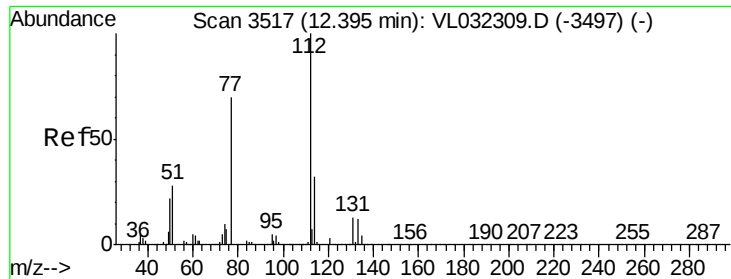
Tot Ion:117 Resp: 5206440
Ion Ratio Lower Upper
117 100
82 56.1 52.6 78.8
119 46.2 25.7 38.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.565 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion:131 Resp: 1624114
Ion Ratio Lower Upper
131 100
133 94.0 75.8 113.6
119 148.2 48.1 72.1#





#57

Chlorobenzene

Concen: 7.472 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampleId :

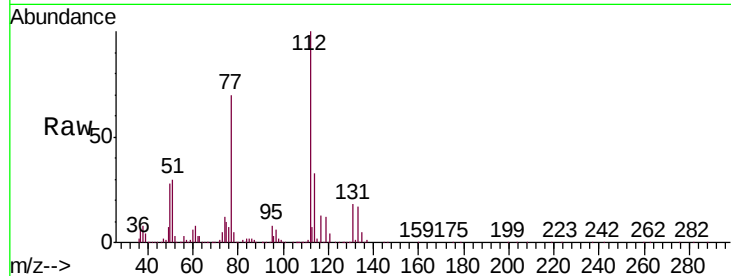
Tot Ion:112 Resp: 3025229

Ion Ratio Lower Upper

112 100

77 69.7 56.5 84.7

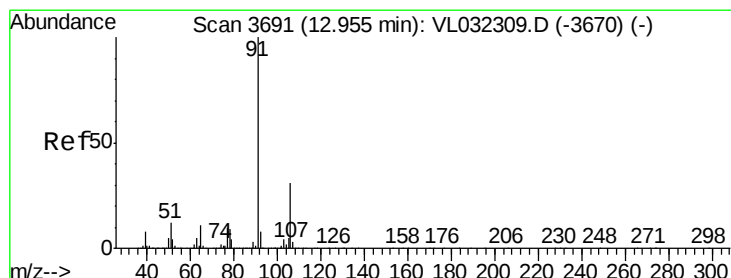
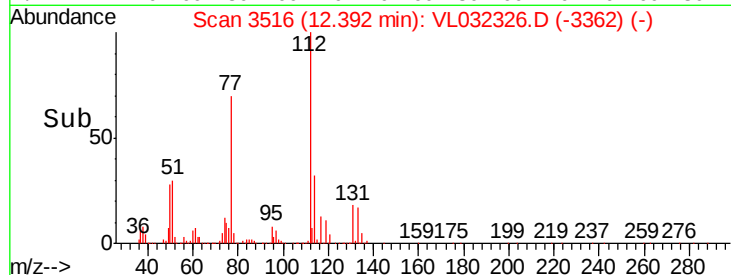
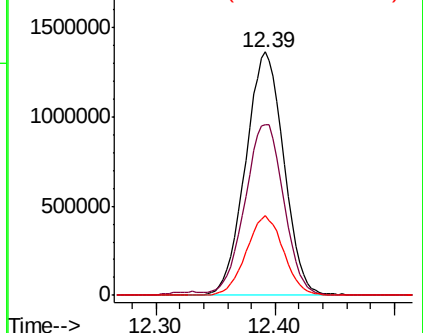
114 32.4 28.4 34.7



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: 8.719 ppbv

RT: 12.95 min Scan# 3690

Delta R.T. -0.00 min

Lab File: VL032326.D

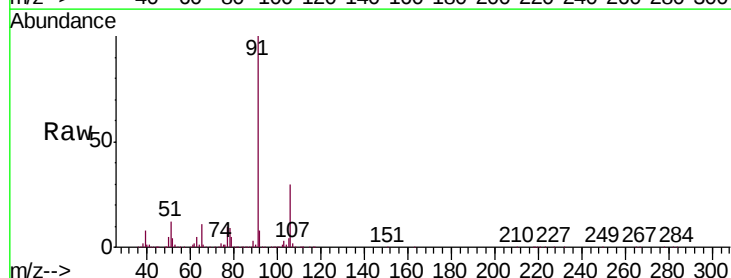
Acq: 27 Jul 2018 19:53

Tgt Ion: 91 Resp: 5690670

Ion Ratio Lower Upper

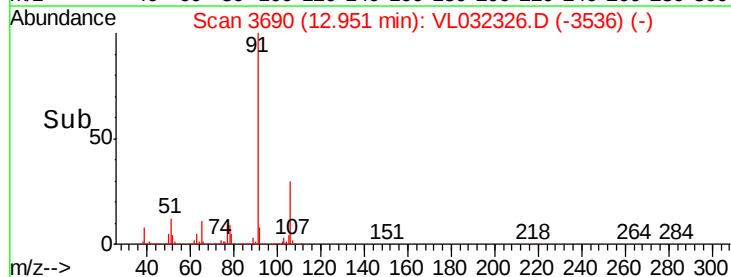
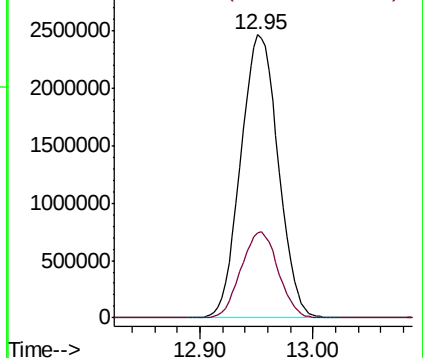
91 100

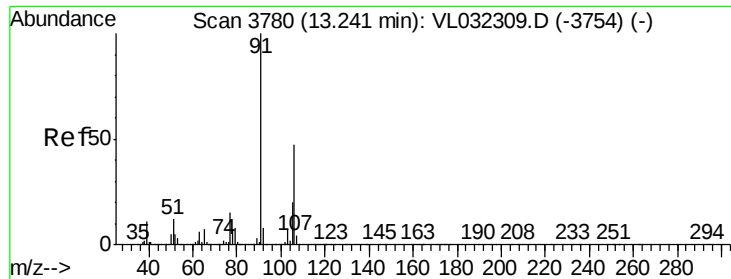
106 30.1 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

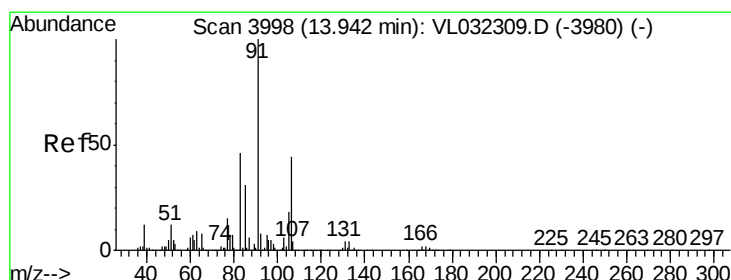
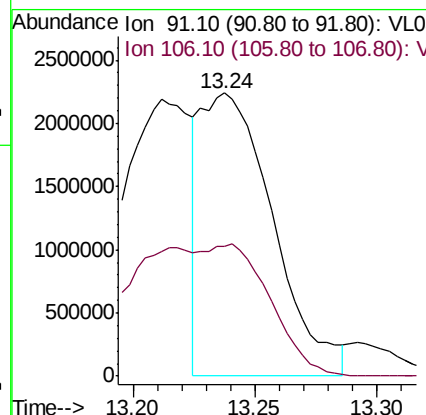
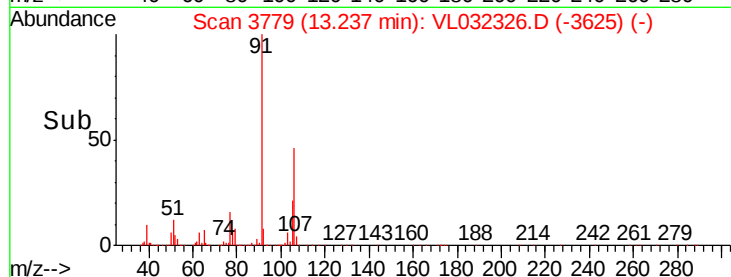
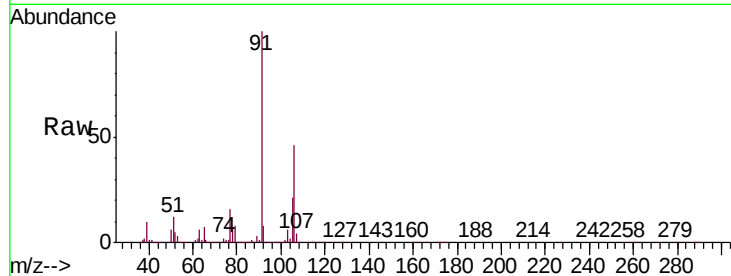




#59
m/p-Xylene
Concen: 8.244 ppbv
RT: 13.24 min Scan# 3779
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

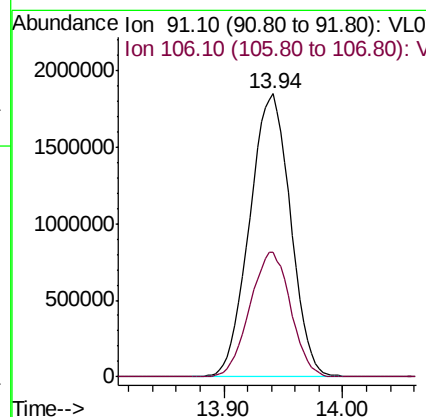
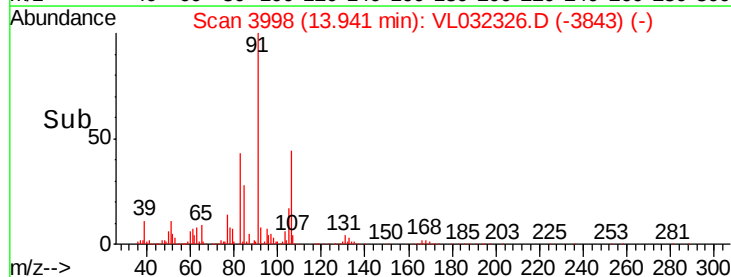
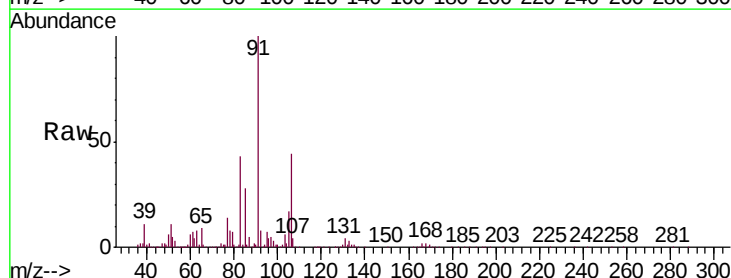
Instrument :
MSVOA_L
ClientSampleId :

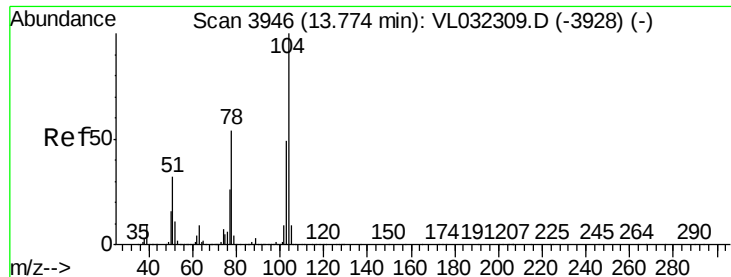
Tot Ion: 91 Resp: 4581431
Ion Ratio Lower Upper
91 100
106 90.5 36.4 54.6#



#60
o-Xylene
Concen: 8.052 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 91 Resp: 4387312
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.0

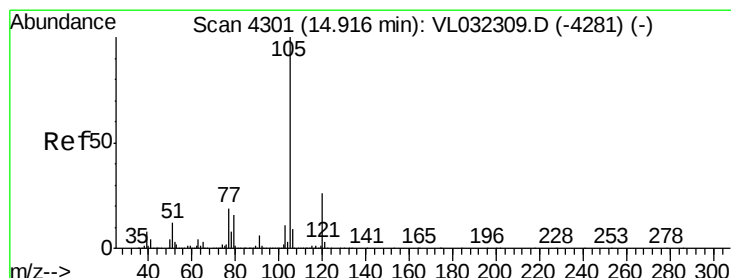
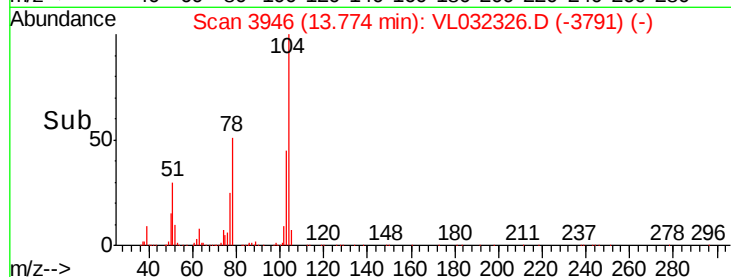
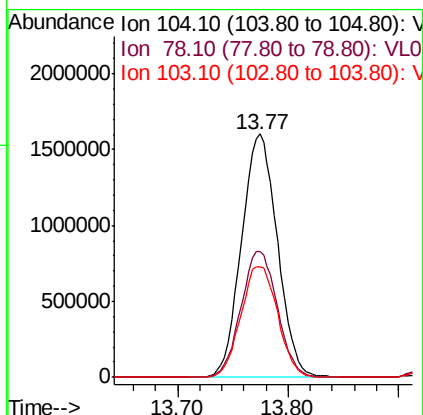
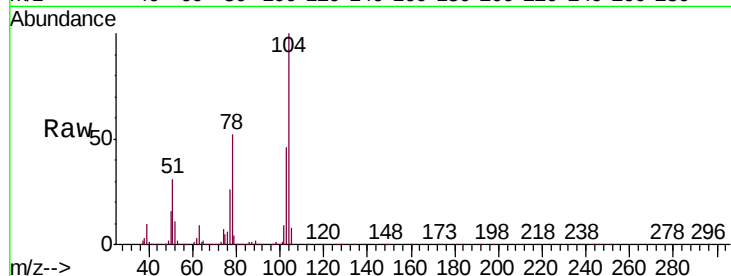




#61
Stvrene
Concen: 8.996 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

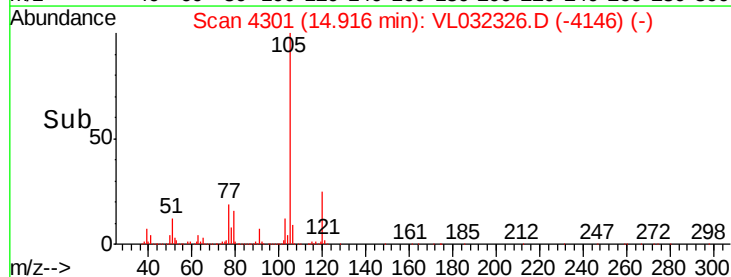
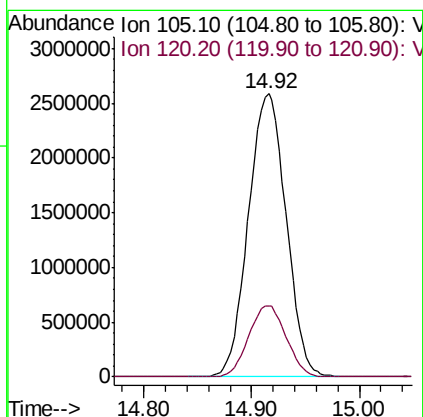
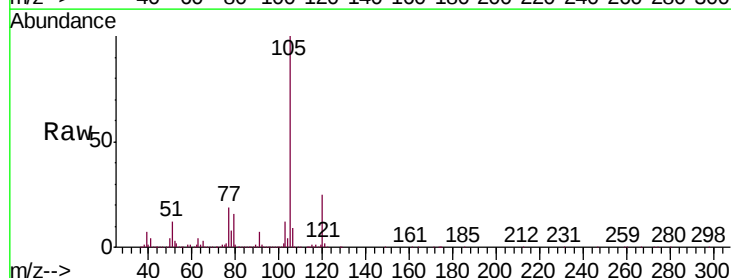
Instrument :
MSVOA_L
ClientSampleId :

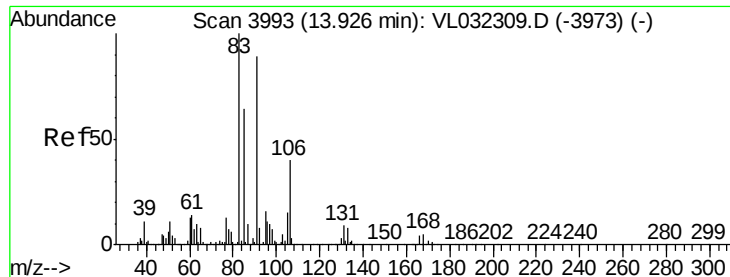
Tot Ion:104 Resp: 3607420
Ion Ratio Lower Upper
104 100
78 52.8 42.6 63.8
103 47.2 38.0 57.0



#62
Isopropylbenzene
Concen: 8.113 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion:105 Resp: 6280077
Ion Ratio Lower Upper
105 100
120 25.1 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.096 ppbv

RT: 13.92 min Scan# 3992

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampled :

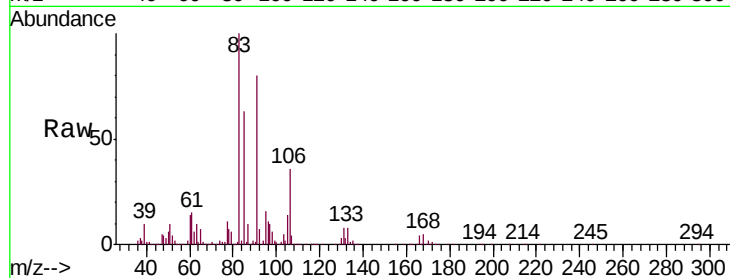
Tot Ion: 83 Resp: 3146496

Ion Ratio Lower Upper

83 100

131 8.4 4.3 12.8

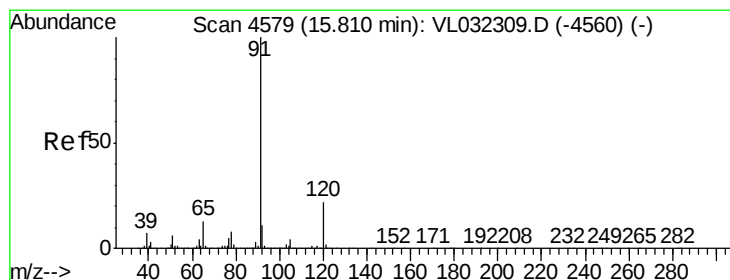
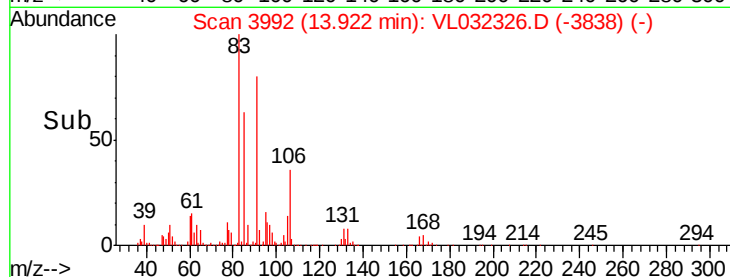
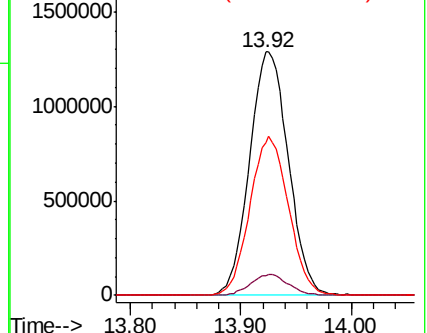
85 65.1 32.6 97.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.048 ppbv

RT: 15.81 min Scan# 4580

Delta R.T. 0.00 min

Lab File: VL032326.D

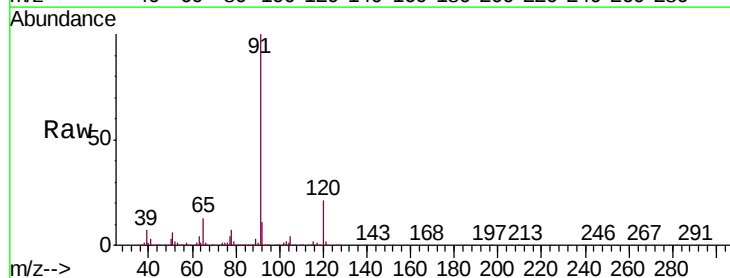
Acq: 27 Jul 2018 19:53

Tgt Ion:120 Resp: 1621938

Ion Ratio Lower Upper

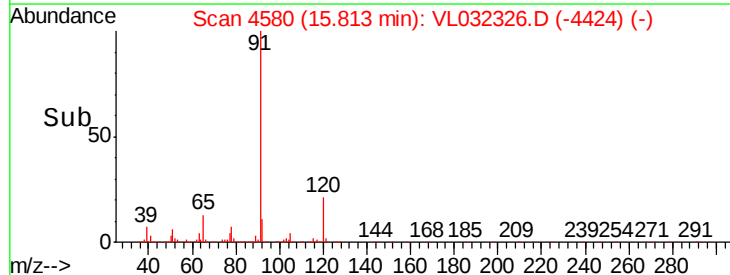
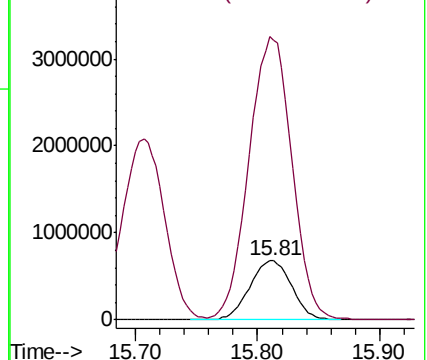
120 100

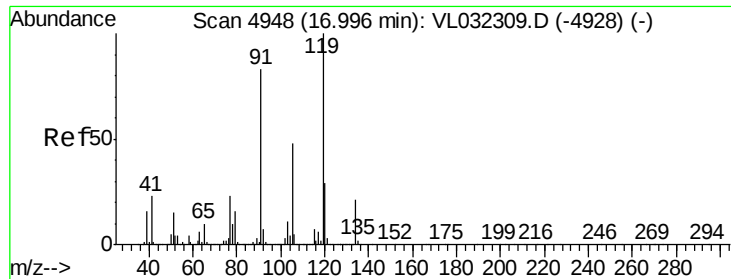
91 489.9 381.8 572.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

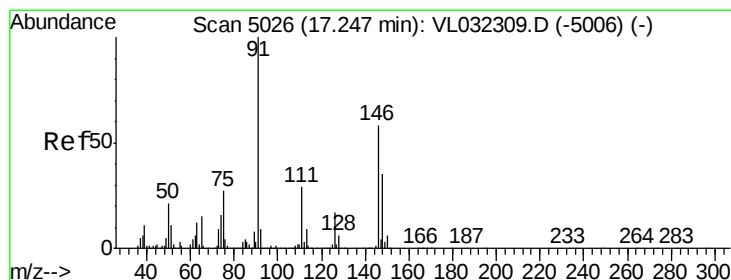
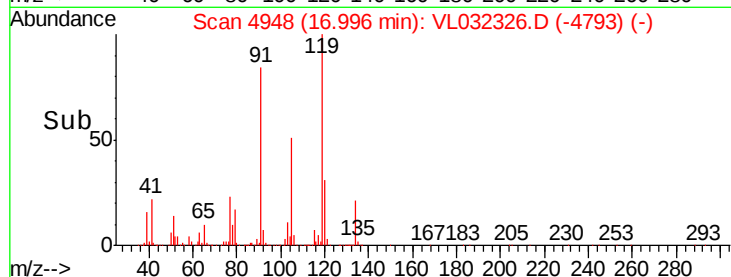
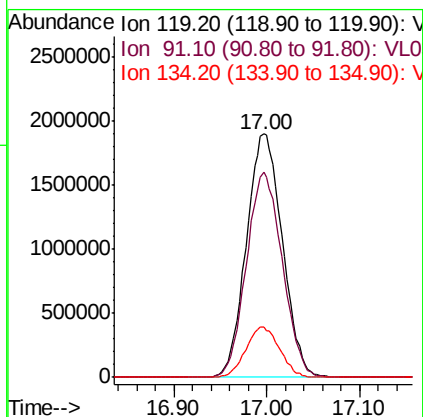
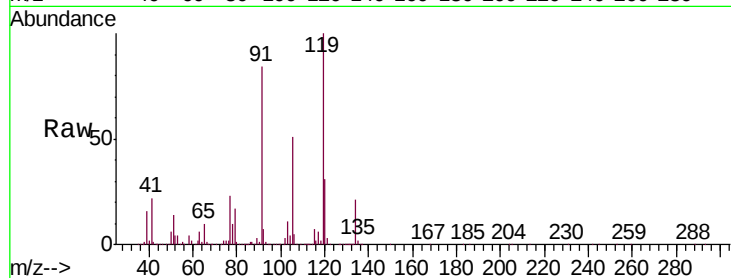




#65
tert-Butylbenzene
Concen: 7.806 ppbv
RT: 17.00 min Scan# 4948
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

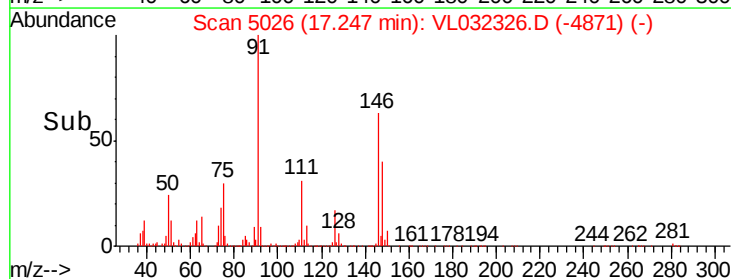
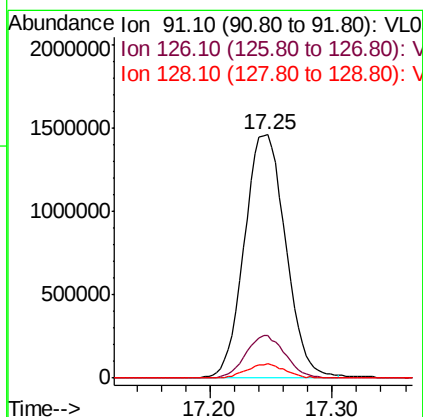
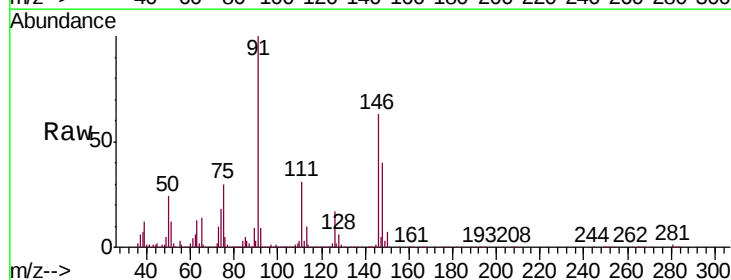
Instrument :
MSVOA_L
ClientSampled :

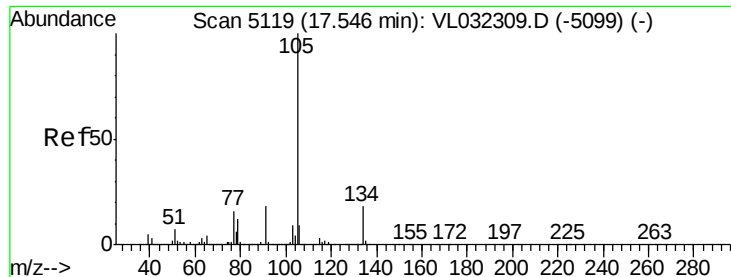
Tot Ion: 119 Resp: 5105172
Ion Ratio Lower Upper
119 100
91 84.3 67.5 101.3
134 19.5 15.8 23.6



#66
Benzyl Chloride
Concen: 8.759 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 91 Resp: 3414206
Ion Ratio Lower Upper
91 100
126 17.0 13.7 20.5
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 7.837 ppbv

RT: 17.55 min Scan# 5120

Delta R.T. 0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

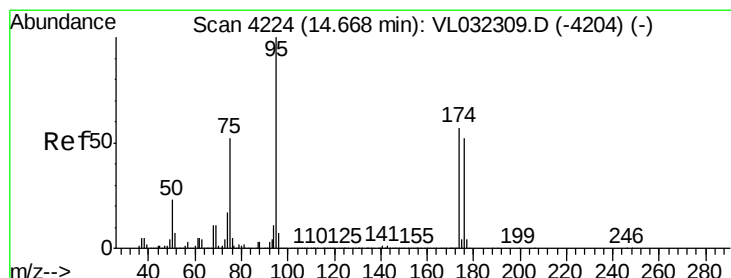
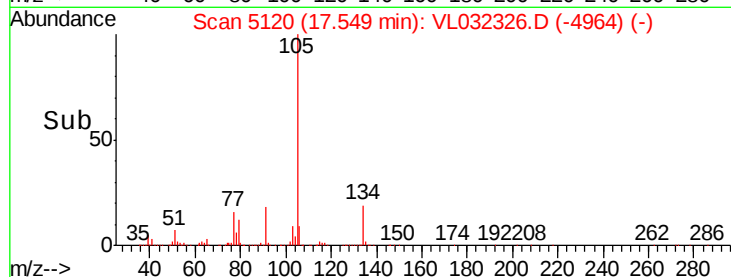
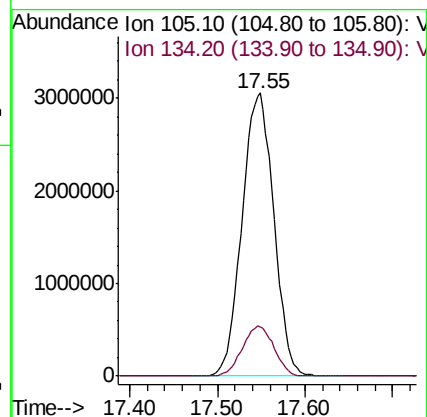
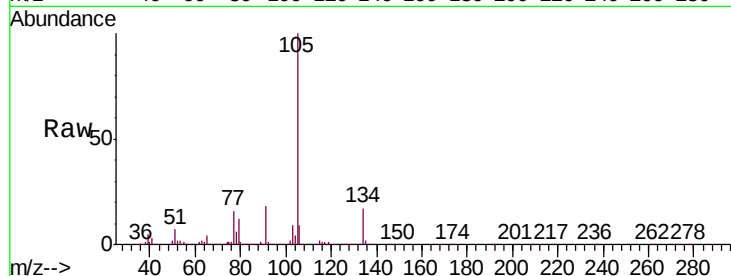
ClientSampleId :

Tot Ion:105 Resp: 7674294

Ion Ratio Lower Upper

105 100

134 17.6 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.253 ppbv

RT: 14.66 min Scan# 4223

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

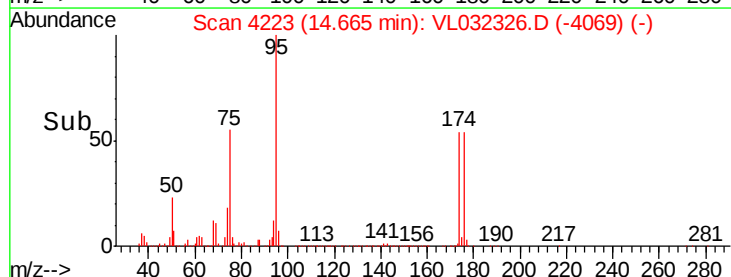
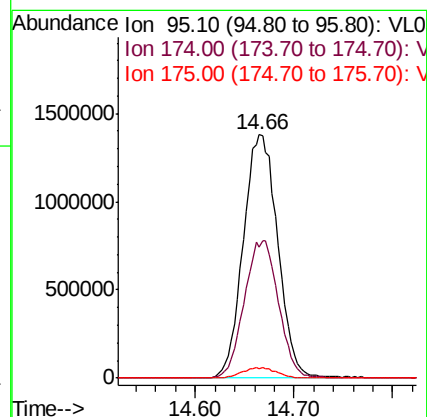
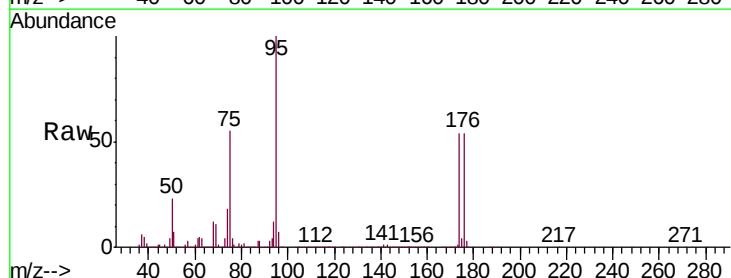
Tgt Ion: 95 Resp: 3335356

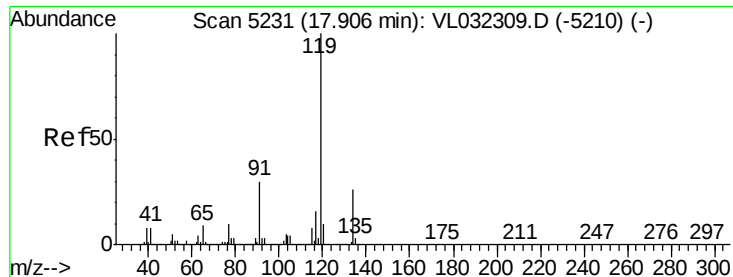
Ion Ratio Lower Upper

95 100

174 56.4 45.5 68.3

175 4.3 3.3 4.9



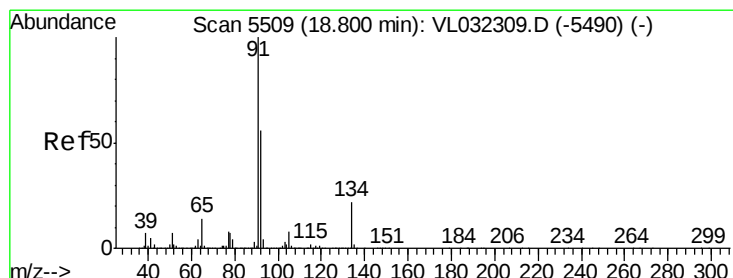
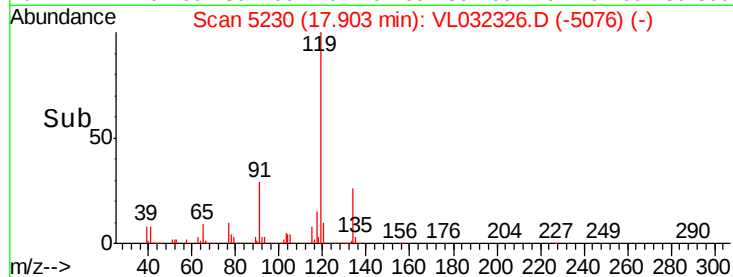
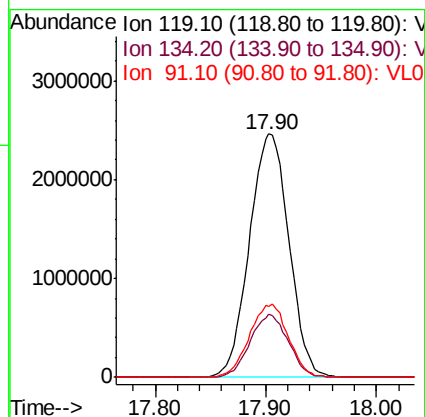
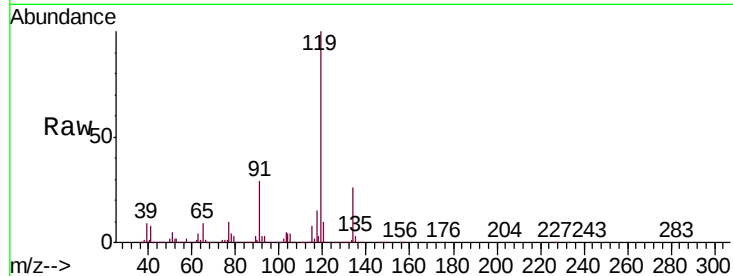


#69
 p-Isopropyltoluene
 Concen: 8.038 ppbv
 RT: 17.90 min Scan# 5230
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6098508

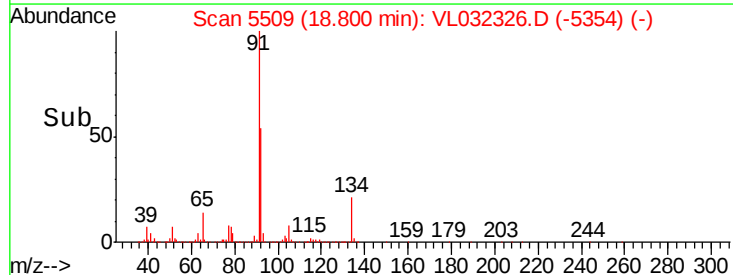
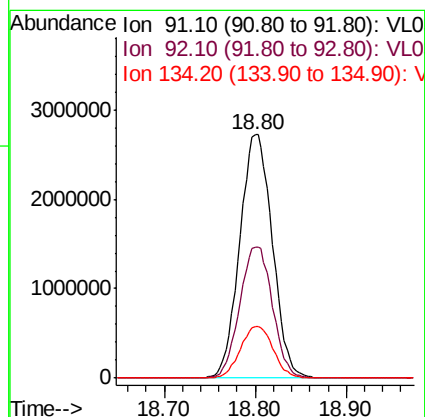
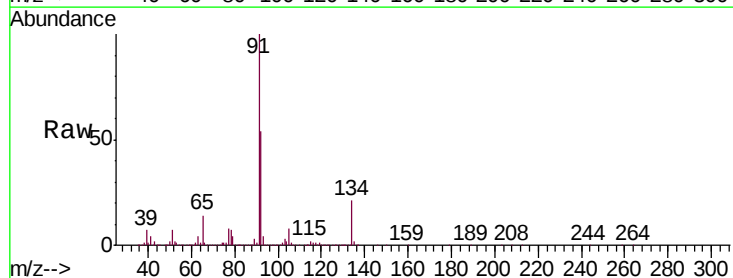
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.8	23.8	35.6

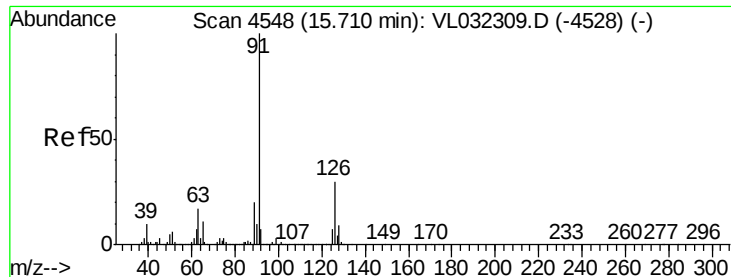


#70
 n-Butylbenzene
 Concen: 7.733 ppbv
 RT: 18.80 min Scan# 5509
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion: 91 Resp: 6774377

Ion	Ratio	Lower	Upper
91	100		
92	54.1	44.2	66.4
134	21.4	17.4	26.2

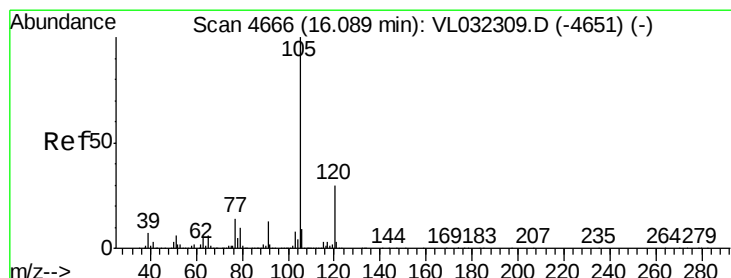
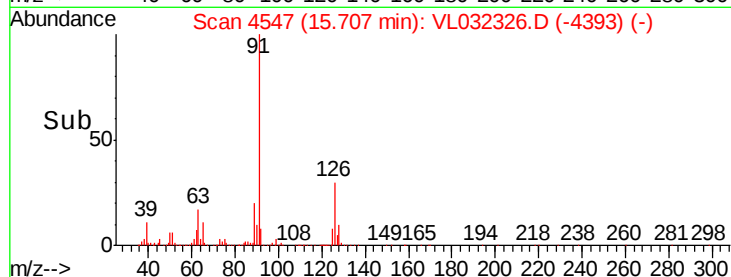
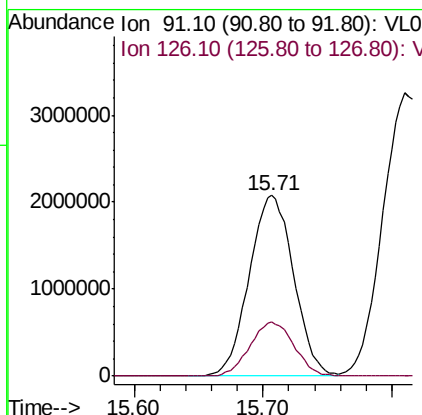
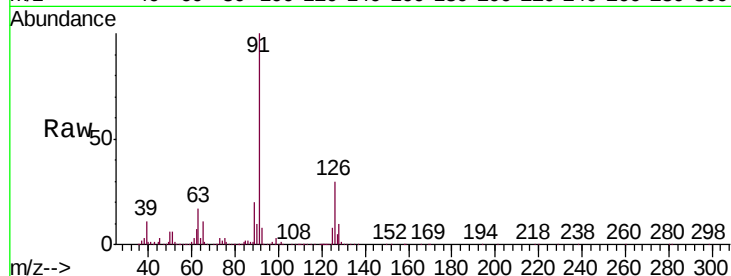




#71
2-Chlorotoluene
Concen: 8.199 ppbv
RT: 15.71 min Scan# 4547
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

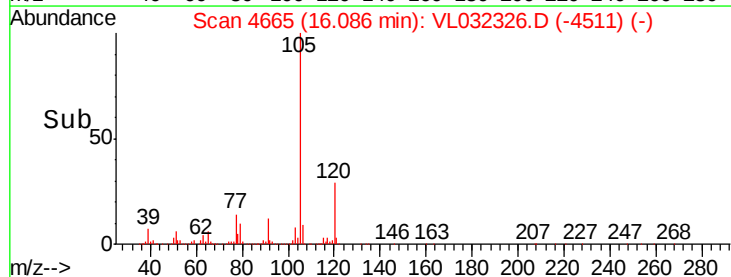
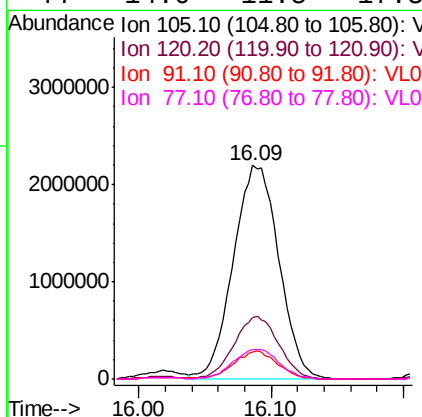
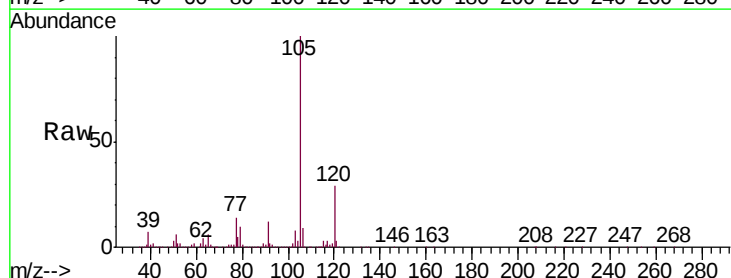
Instrument :
MSVOA_L
ClientSampleId :

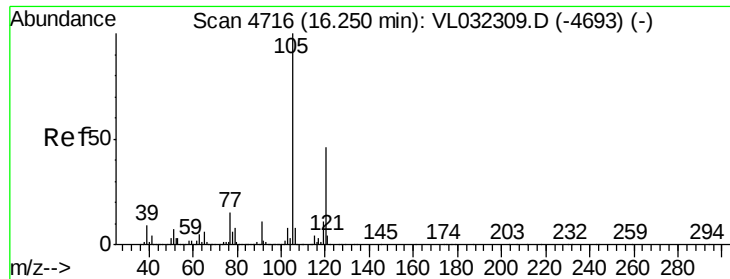
Tot Ion: 91 Resp: 4980584
Ion Ratio Lower Upper
91 100
126 29.7 11.8 47.0



#72
4-Ethyltoluene
Concen: 8.554 ppbv
RT: 16.09 min Scan# 4665
Delta R.T. -0.00 min
Lab File: VL032326.D
Acq: 27 Jul 2018 19:53

Tgt Ion: 105 Resp: 5223730
Ion Ratio Lower Upper
105 100
120 28.8 23.1 34.7
91 12.5 10.0 15.0
77 14.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 8.186 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

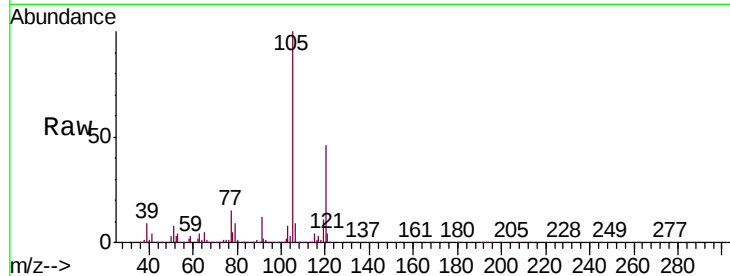
ClientSampleId :

Tot Ion:105 Resp: 4920449

Ion Ratio Lower Upper

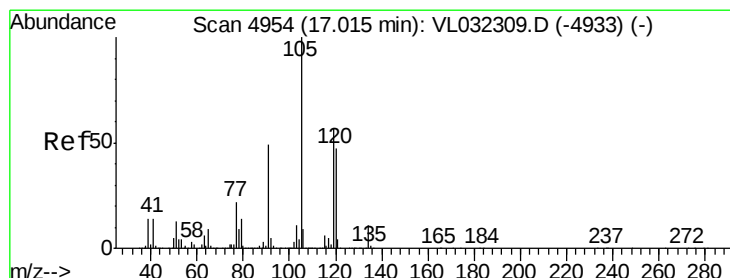
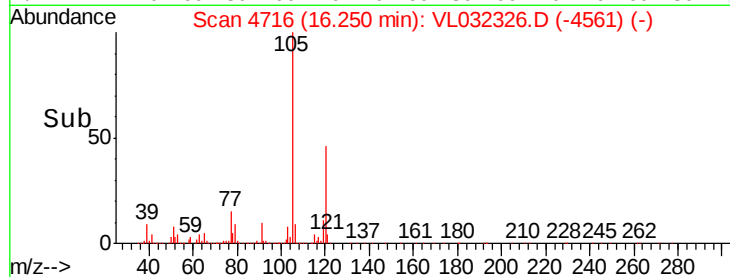
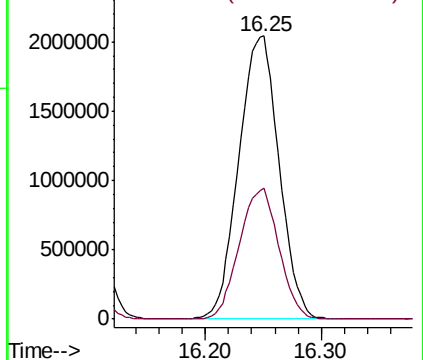
105 100

120 46.2 36.5 54.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.643 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Tgt Ion:105 Resp: 4843134

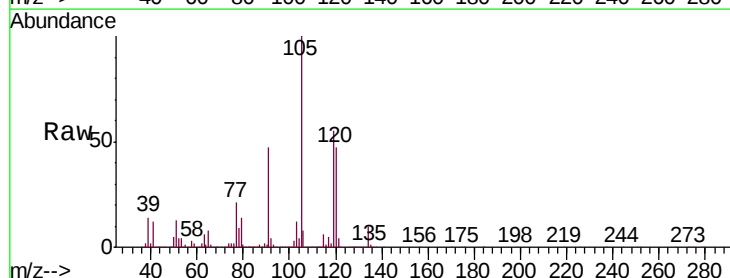
Ion Ratio Lower Upper

105 100

120 46.6 37.8 56.6

91 46.5 39.4 59.0

77 21.3 17.6 26.4

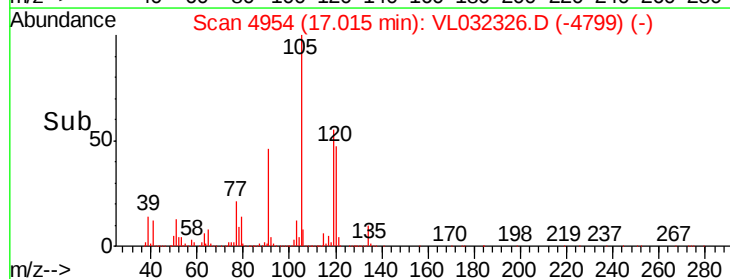
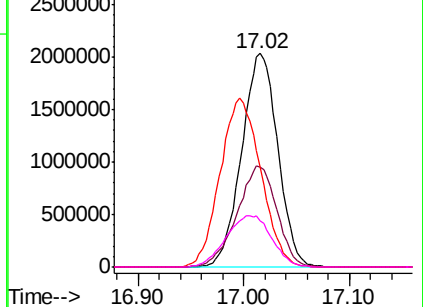


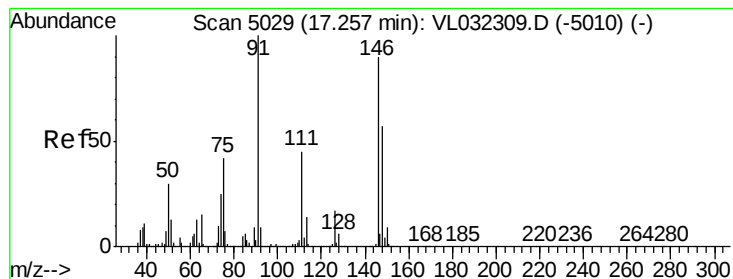
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.167 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampled :

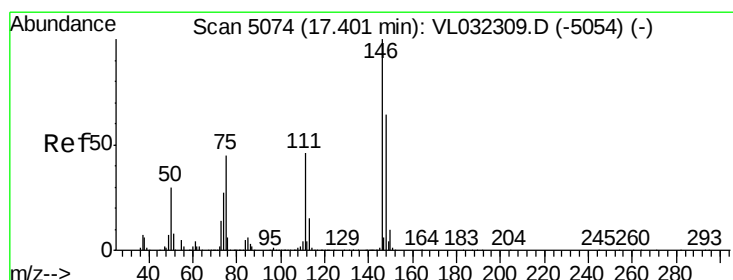
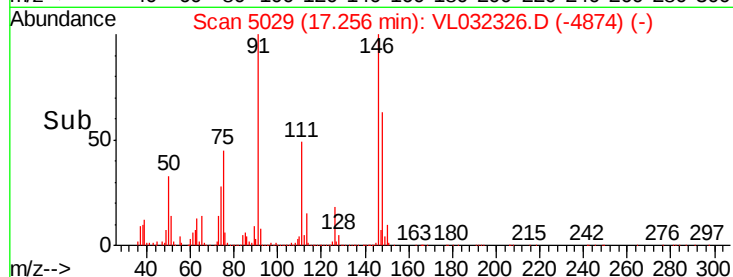
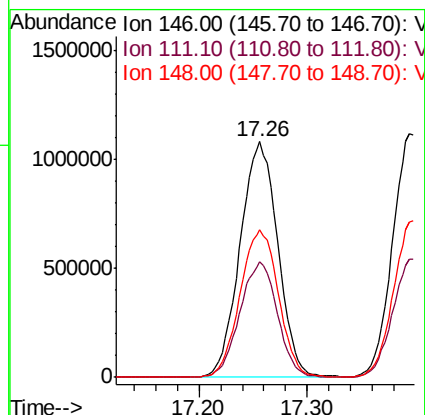
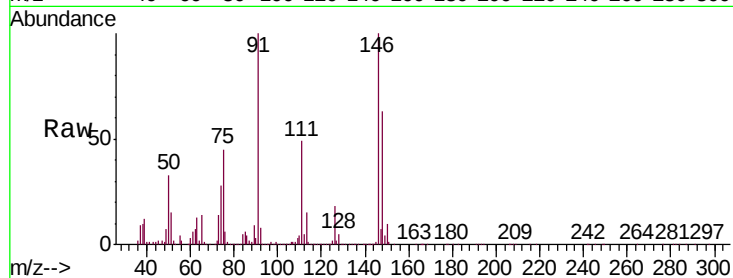
Tot Ion:146 Resp: 2630099

Ion Ratio Lower Upper

146 100

111 48.9 24.6 73.8

148 63.8 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 7.684 ppbv

RT: 17.39 min Scan# 5072

Delta R.T. -0.01 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

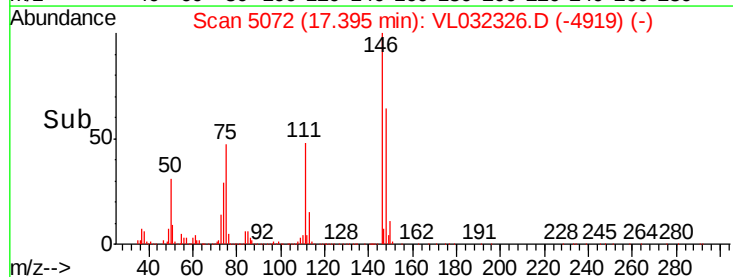
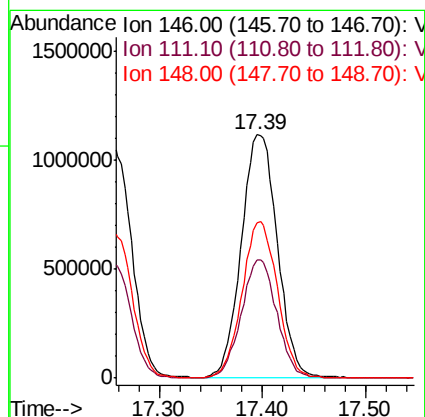
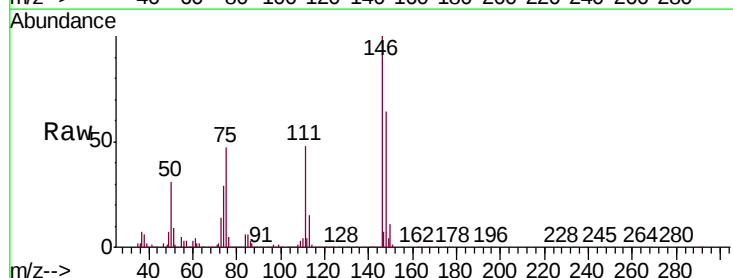
Tgt Ion:146 Resp: 2705378

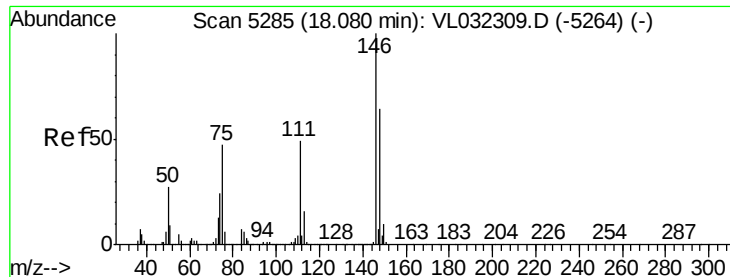
Ion Ratio Lower Upper

146 100

111 47.9 23.6 70.8

148 63.2 32.1 96.3

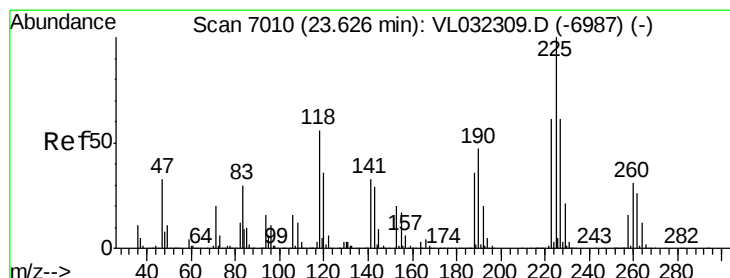
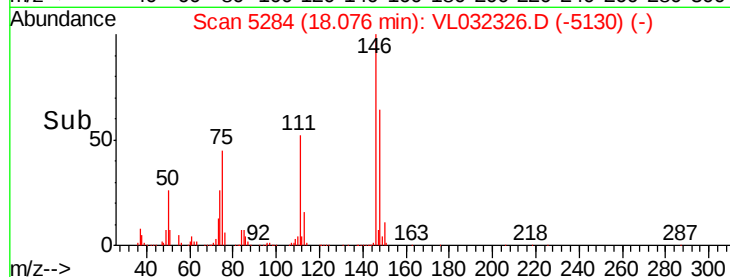
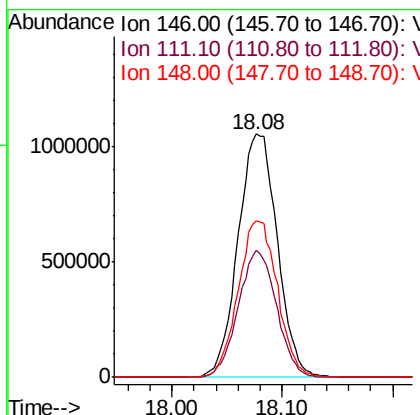
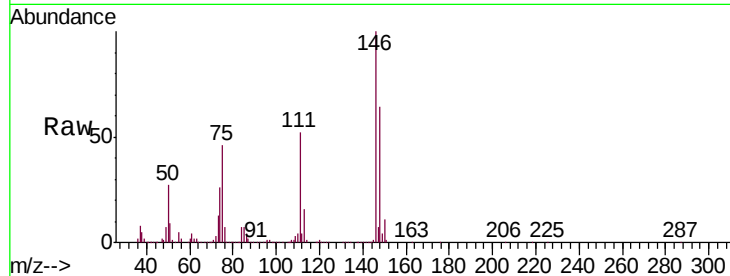




#77
 1,2-Dichlorobenzene
 Concen: 7.224 ppbv
 RT: 18.08 min Scan# 5284
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

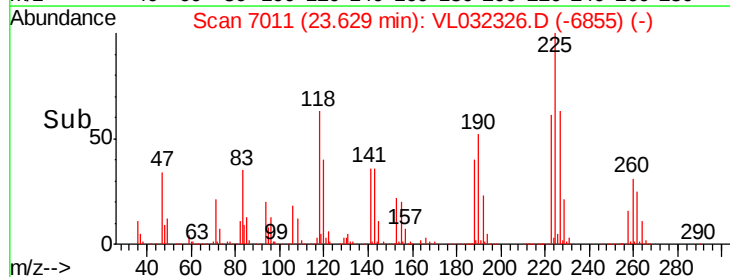
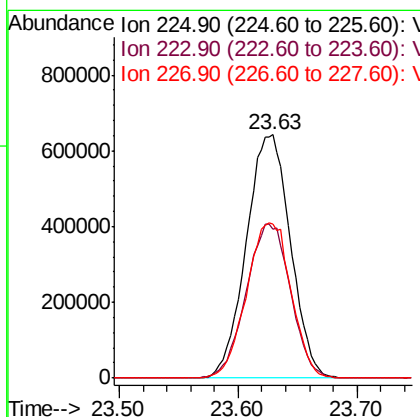
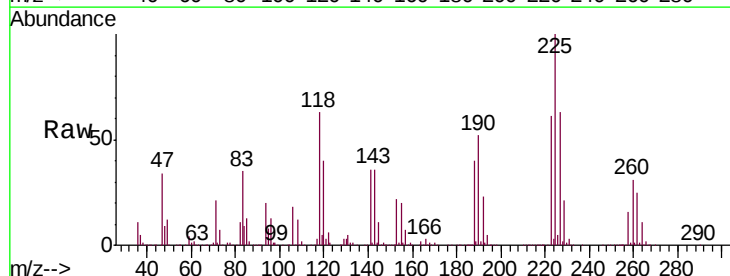
Instrument :
 MSVOA_L
 ClientSampled :

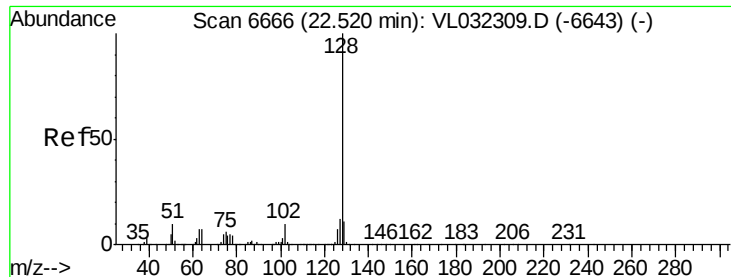
Tot Ion:146 Resp: 2604626
 Ion Ratio Lower Upper
 146 100
 111 50.9 25.1 75.3
 148 64.4 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 13.034 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. 0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Tgt Ion:225 Resp: 1652474
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.5 75.7
 227 64.0 51.3 76.9





#79

Naphthalene

Concen: 8.684 ppbv

RT: 22.51 min Scan# 6664

Delta R.T. -0.01 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

Instrument :

MSVOA_L

ClientSampleId :

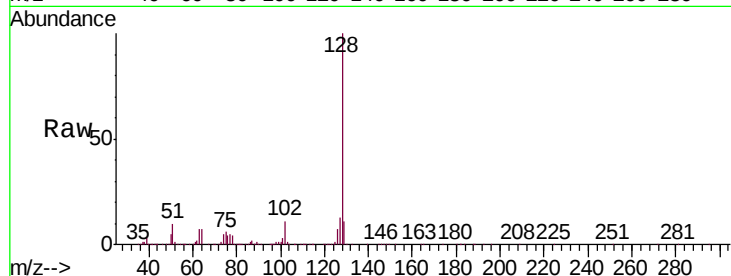
Tot Ion:128 Resp: 4775422

Ion Ratio Lower Upper

128 100

127 12.8 9.9 14.9

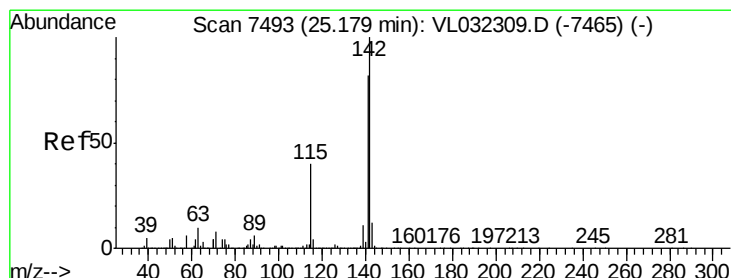
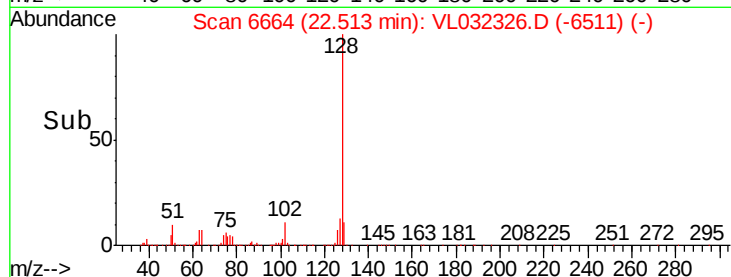
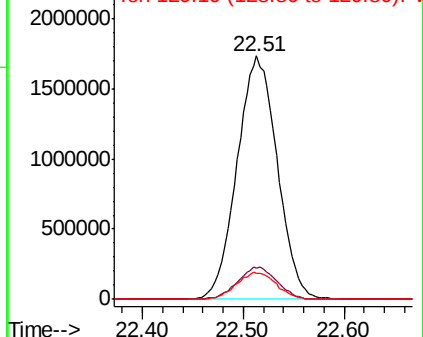
129 10.8 8.8 13.2



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: 10.506 ppbv

RT: 25.18 min Scan# 7493

Delta R.T. -0.00 min

Lab File: VL032326.D

Acq: 27 Jul 2018 19:53

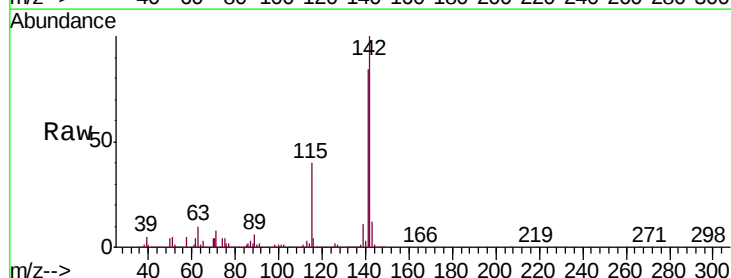
Tgt Ion:142 Resp: 2286134

Ion Ratio Lower Upper

142 100

141 83.8 66.7 100.1

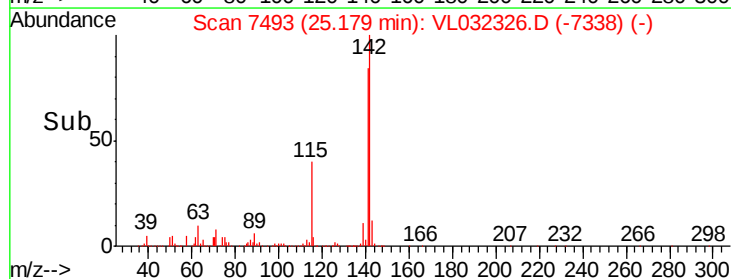
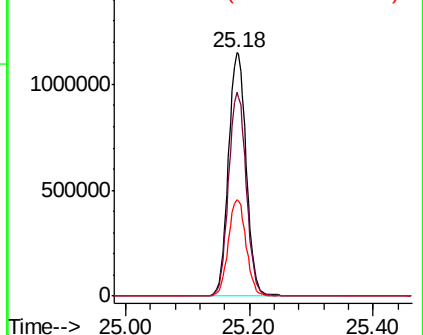
115 39.6 31.1 46.7

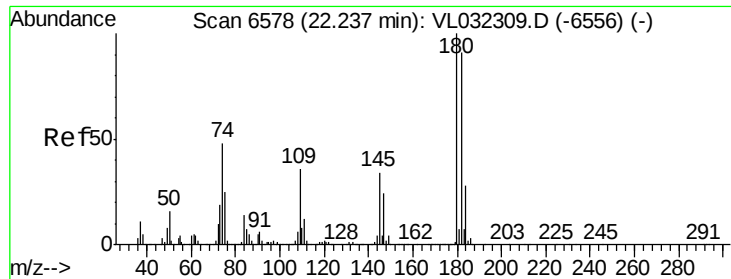


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.286 ppbv
 RT: 22.24 min Scan# 6578
 Delta R.T. -0.00 min
 Lab File: VL032326.D
 Acq: 27 Jul 2018 19:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2276882
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 184 30.4 24.3 36.5

