

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032318.D
 Acq On : 27 Jul 2018 13:34
 Operator : SY/AP
 Sample : VL0727ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 23:17:45 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	1975655	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4210980	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	6205492	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	4043109	8.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1978285	8.302	ppbv	98
3) Chlorodifluoromethane	3.06	51	1844264	9.336	ppbv	100
4) Chloromethane	3.22	50	1147144	9.591	ppbv	100
5) Vinyl Chloride	3.34	62	1043758	9.599	ppbv	95
6) Bromomethane	3.57	94	568358	9.521	ppbv	97
7) Chloroethane	3.66	64	368374	9.528	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	2150772	8.937	ppbv	99
9) Propene	3.08	41	895541	10.083	ppbv	100
10) Heptane	8.33	43	3162500	10.143	ppbv	99
11) Trichlorofluoromethane	4.06	101	2043764	8.979	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1418096	9.125	ppbv	100
13) Ethanol	3.70	45	227733	8.922	ppbv	98
14) Bromoethene	3.84	108	646398	9.476	ppbv	99
15) Acetone	3.96	43	1707510	9.170	ppbv	100
16) 1,3-Butadiene	3.41	39	911704	9.444	ppbv	99
17) tert-Butyl alcohol	4.42	59	535246	9.044	ppbv	100
18) 1,1-Dichloroethene	4.41	96	677466	9.396	ppbv	97
19) Isopropyl Alcohol	4.08	45	1269583	10.218	ppbv	99
20) Methylene Chloride	4.47	84	615548	8.225	ppbv	98
21) Allyl Chloride	4.54	41	1215133	9.566	ppbv	99
22) trans-1,2-Dichloroethene	5.03	96	689461	9.917	ppbv	97
23) Vinyl Acetate	5.22	43	3284064	9.832	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2229524	9.305	ppbv	100
25) Ethyl Acetate	5.84	43	3874471	9.272	ppbv	100
26) Hexane	5.85	57	1783669	9.434	ppbv	98
27) Carbon Disulfide	4.68	76	1764445	10.264	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2579971	10.088	ppbv	100
29) Chloroform	5.92	83	2553564	9.285	ppbv	100
30) Cyclohexane	7.32	84	1439014	9.755	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1791859	10.222	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	2462774	10.118	ppbv	99
34) 2-Butanone	5.40	43	2693034	9.880	ppbv	99
35) Carbon Tetrachloride	7.21	117	2476912	10.355	ppbv	100
36) Benzene	7.09	78	3738330	10.071	ppbv	98
37) 1,2-Dichloroethane	6.49	62	2016370	9.401	ppbv	99
38) Trichloroethene	8.04	130	1486248	10.360	ppbv	96
39) 1,2-Dichloropropane	7.82	63	1735914	9.296	ppbv	98
40) 1,4-Dioxane	8.04	88	569091	10.377	ppbv #	1
41) Tetrahydrofuran	6.22	42	1568059	10.171	ppbv	100
42) Bromodichloromethane	8.00	83	3404100	9.803	ppbv	98
43) Methyl Methacrylate	8.22	69	1904334	10.688	ppbv	99

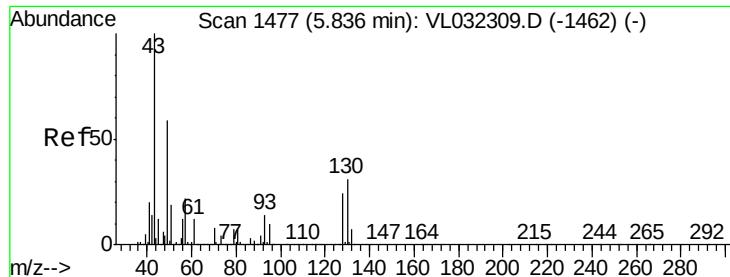
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032318.D
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Quant Time: Jul 27 23:17:45 2018
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7829336	9.727	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2272918	11.009	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2728689	10.787	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1696936	9.348	ppbv	98
48) Dibromochloromethane	10.54	129	2659317	9.939	ppbv	99
49) Bromoform	13.29	173	2172208	9.859	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4882964	10.153	ppbv	100
51) 2-Hexanone	10.36	43	3968081	10.828	ppbv	100
52) Tetrachloroethene	11.47	164	1290193	10.315	ppbv	98
53) Toluene	10.03	91	4860593	10.954	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2564840	9.943	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1917944	7.496	ppbv #	54
57) Chlorobenzene	12.39	112	3512880	7.280	ppbv	98
58) Ethyl Benzene	12.95	91	6468805	8.315	ppbv	99
59) m/p-Xylene	13.24	91	4826349	7.286	ppbv #	19
60) o-Xylene	13.94	91	5070343	7.808	ppbv	99
61) Styrene	13.77	104	4024471	8.420	ppbv	100
62) Isopropylbenzene	14.92	105	7153526	7.753	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3812720	7.215	ppbv	100
64) n-propylbenzene	15.81	120	1866492	7.771	ppbv	98
65) tert-Butylbenzene	17.00	119	5852254	7.508	ppbv	100
66) Benzyl Chloride	17.25	91	3709914	7.985	ppbv	100
67) sec-Butylbenzene	17.55	105	8783075	7.525	ppbv	100
69) p-Isopropyltoluene	17.90	119	6978327	7.716	ppbv	100
70) n-Butylbenzene	18.80	91	7708926	7.383	ppbv	99
71) 2-Chlorotoluene	15.71	91	5763121	7.960	ppbv	100
72) 4-Ethyltoluene	16.09	105	5933920	8.153	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5636637	7.868	ppbv	98
74) 1,2,4-Trimethylbenzene	17.02	105	5516290	7.304	ppbv	92
75) 1,3-Dichlorobenzene	17.26	146	3068384	7.016	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3135605	7.472	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3054408	7.107	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	887126	5.871	ppbv	99
79) Naphthalene	22.52	128	5274234	8.047	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2266539	8.739	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2493394	7.613	ppbv	100

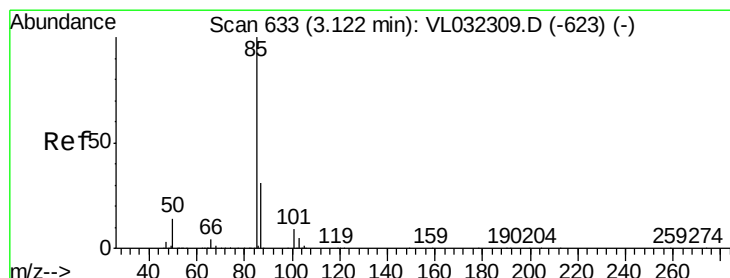
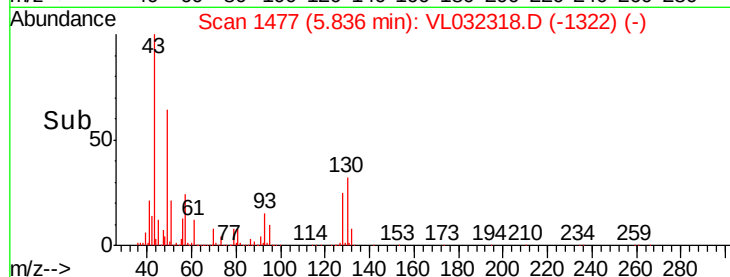
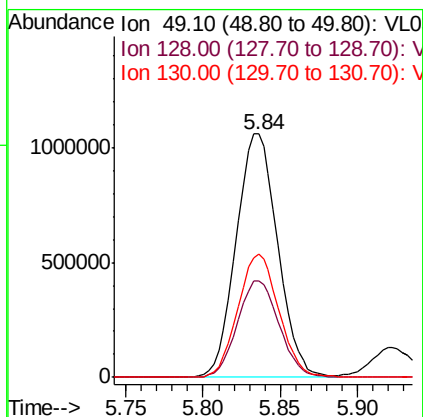
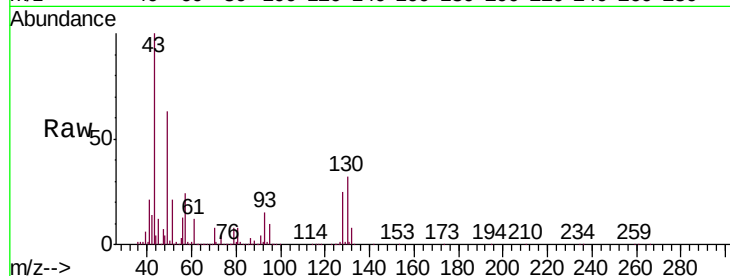
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.84 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

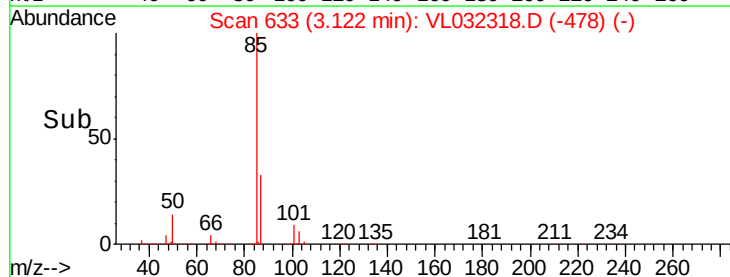
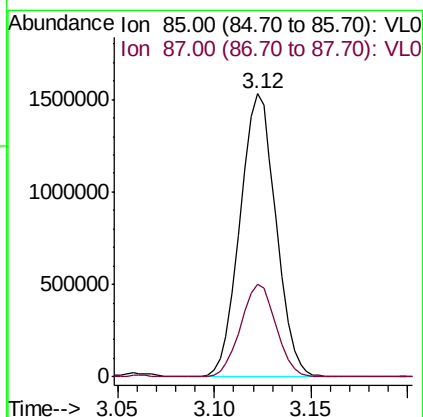
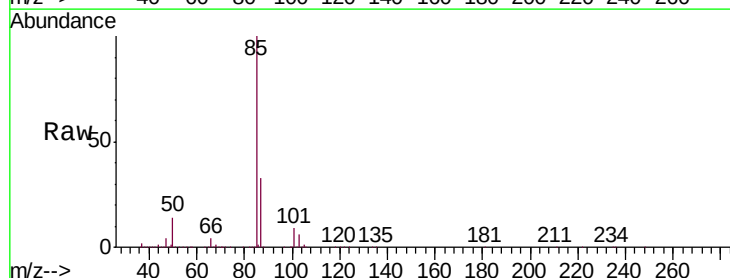
Instrument :
 MSVOA_L
 ClientSampled :

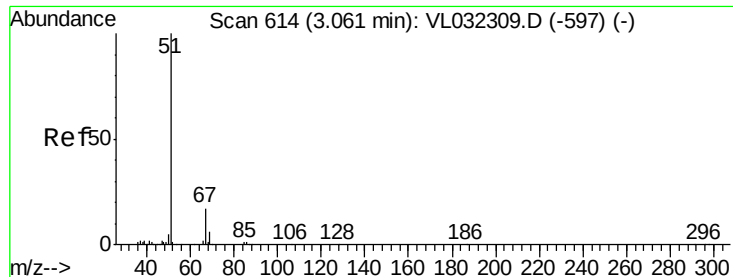
Tot Ion: 49 Resp: 1975655
 Ion Ratio Lower Upper
 49 100
 128 40.1 20.2 60.6
 130 50.1 25.8 77.3



#2
 Dichlorodifluoromethane
 Concen: 8.302 ppbv
 RT: 3.12 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 85 Resp: 1978285
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.2 37.8





#3

Chlorodifluoromethane

Concen: 9.336 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

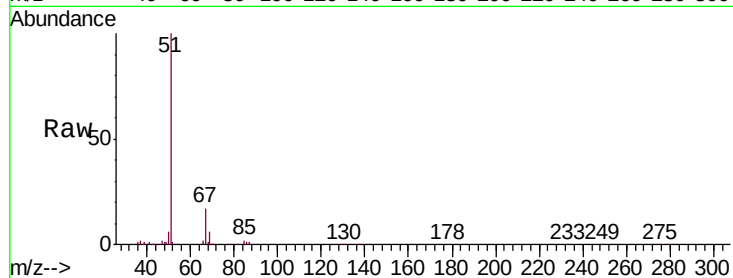
ClientSampleId :

Tot Ion: 51 Resp: 1844264

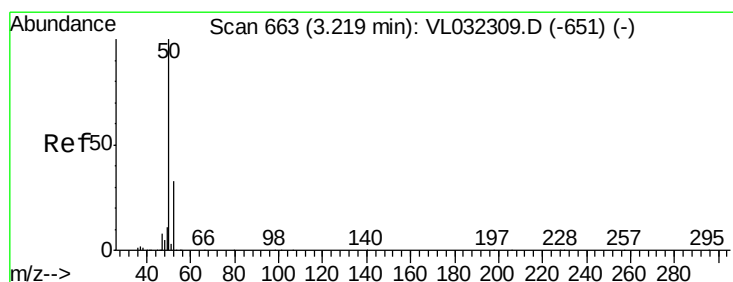
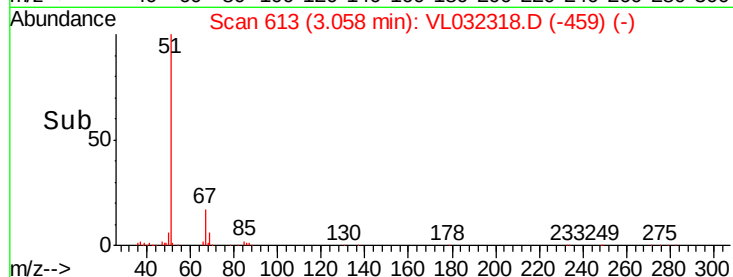
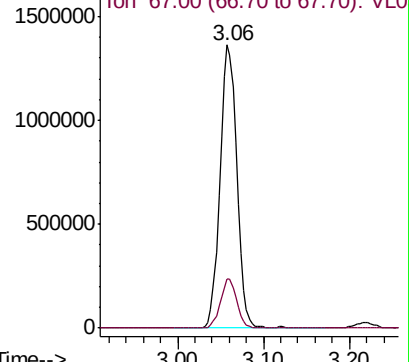
Ion Ratio Lower Upper

51 100

67 16.9 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0



#4

Chloromethane

Concen: 9.591 ppbv

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL032318.D

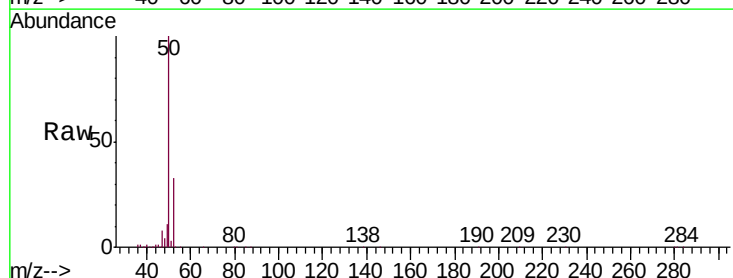
Acq: 27 Jul 2018 13:34

Tgt Ion: 50 Resp: 1147144

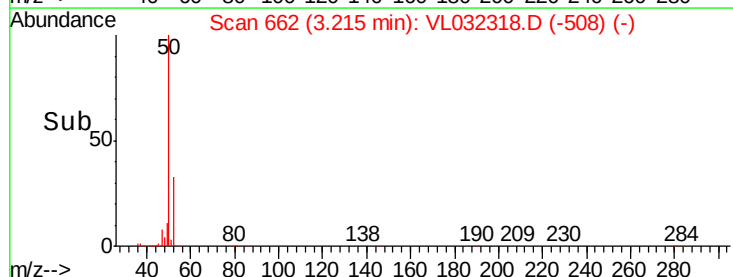
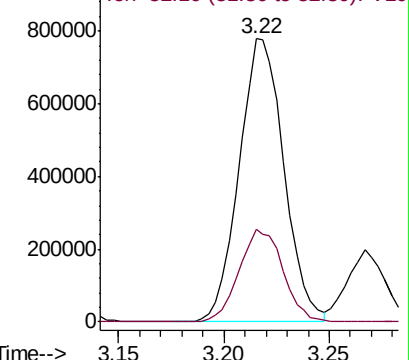
Ion Ratio Lower Upper

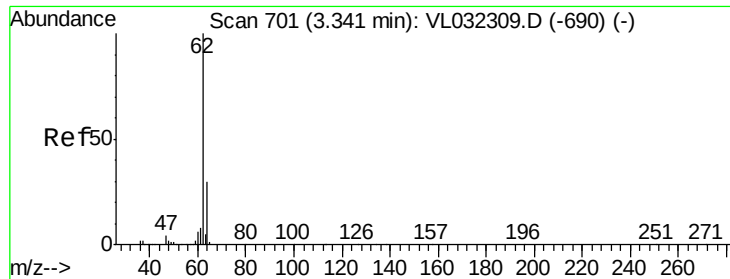
50 100

52 32.6 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0





#5

Vinyl Chloride

Concen: 9.599 ppbv

RT: 3.34 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

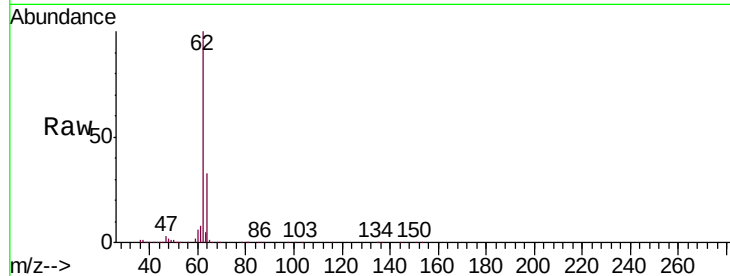
ClientSampleId :

Tot Ion: 62 Resp: 1043758

Ion Ratio Lower Upper

62 100

64 32.9 24.1 36.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.34

800000

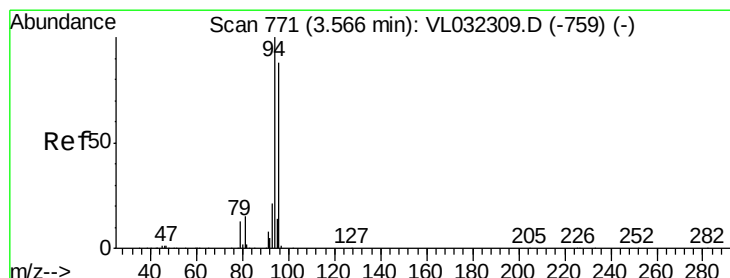
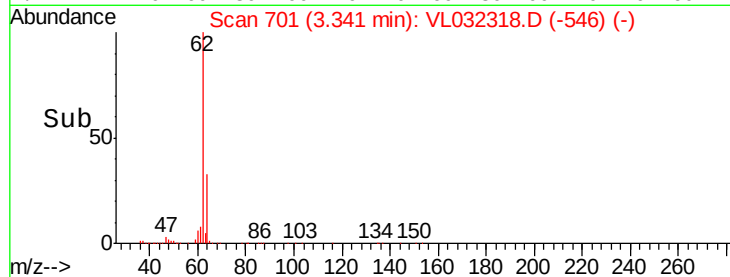
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.521 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL032318.D

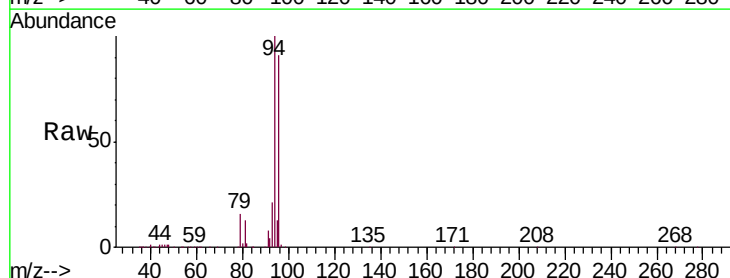
Acq: 27 Jul 2018 13:34

Tgt Ion: 94 Resp: 568358

Ion Ratio Lower Upper

94 100

96 90.6 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.57

400000

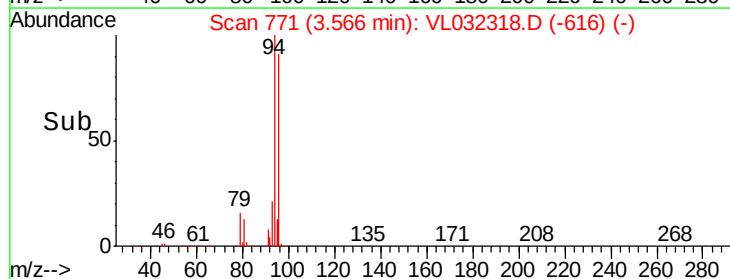
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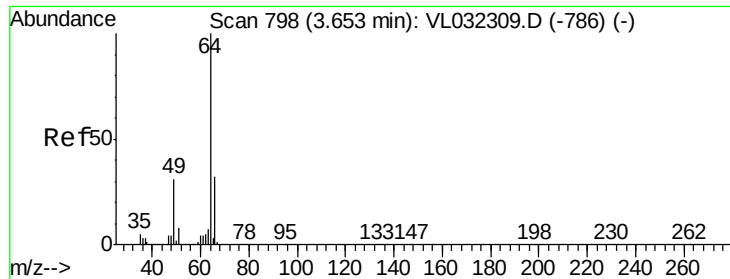
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.528 ppbv

RT: 3.66 min Scan# 799

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

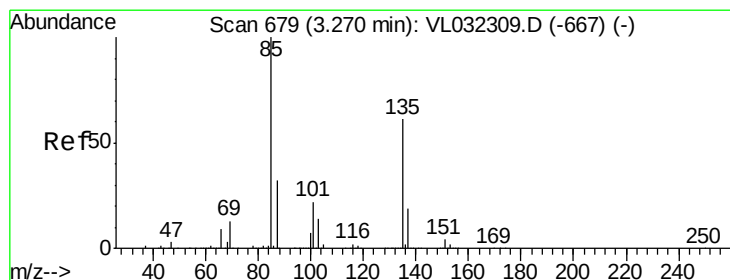
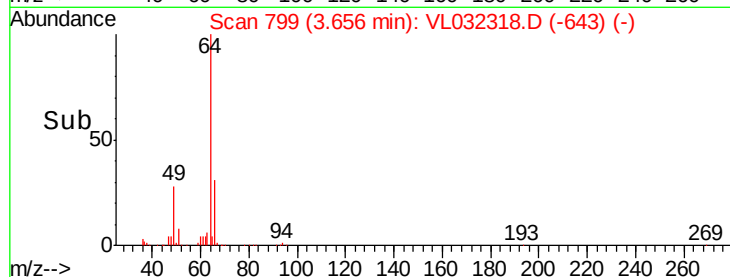
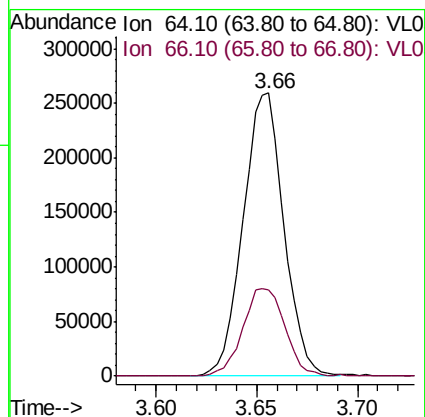
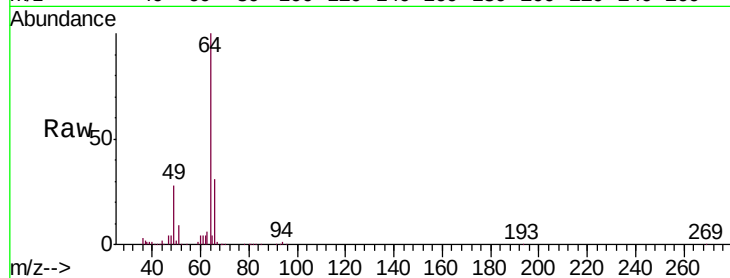
ClientSampleId :

Tot Ion: 64 Resp: 368374

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



#8

Dichlorotetrafluoroethane

Concen: 8.937 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032318.D

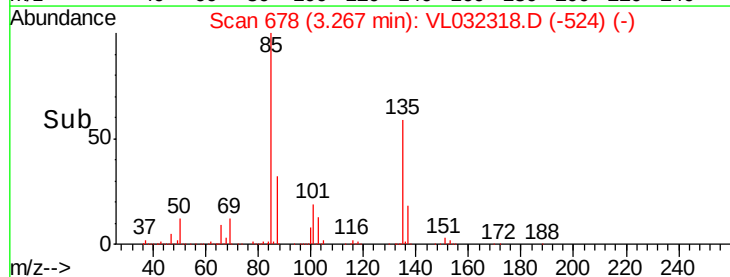
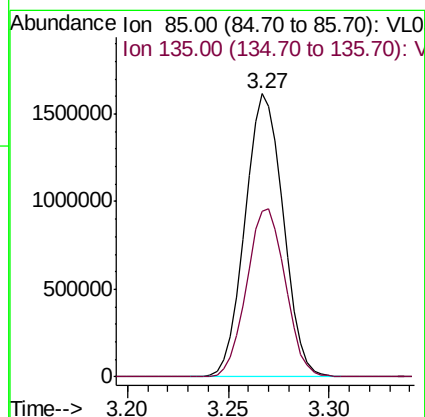
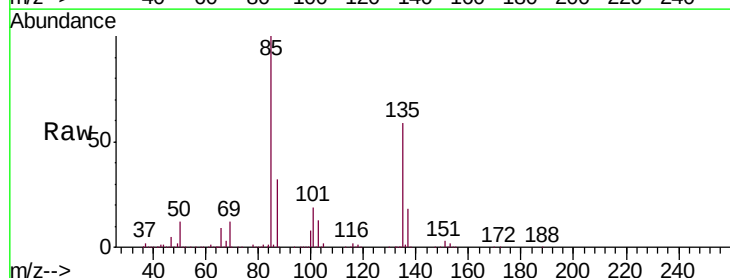
Acq: 27 Jul 2018 13:34

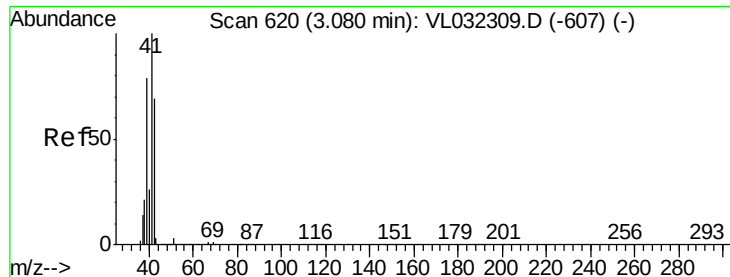
Tgt Ion: 85 Resp: 2150772

Ion Ratio Lower Upper

85 100

135 60.3 48.7 73.1





#9

Propene

Concen: 10.083 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

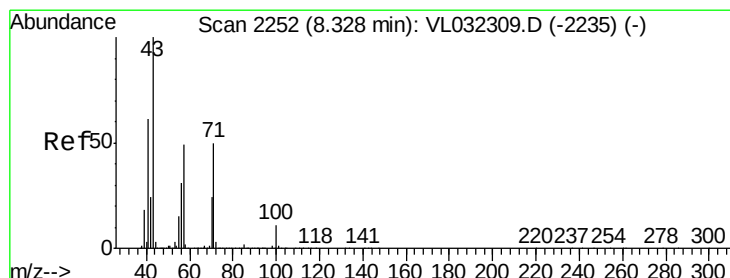
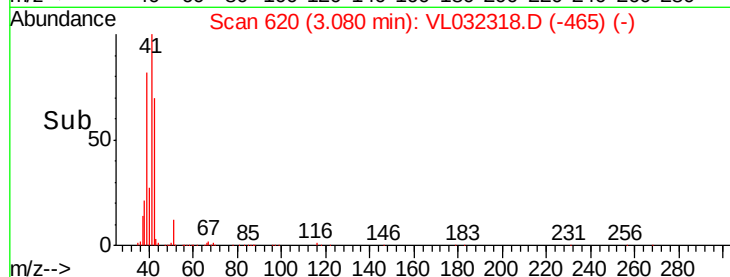
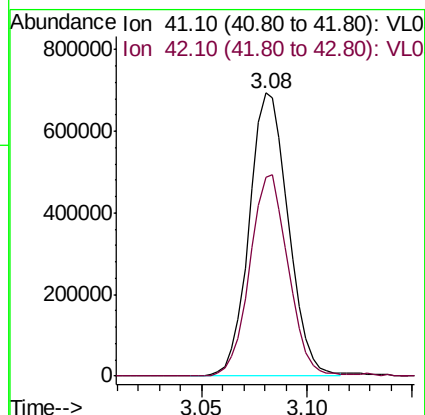
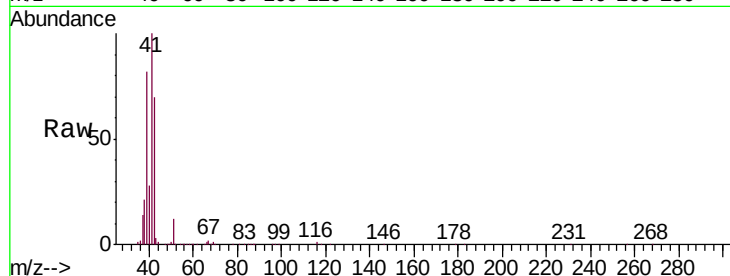
ClientSampleId :

Tot Ion: 41 Resp: 895541

Ion Ratio Lower Upper

41 100

42 70.8 56.8 85.2



#10

Heptane

Concen: 10.143 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032318.D

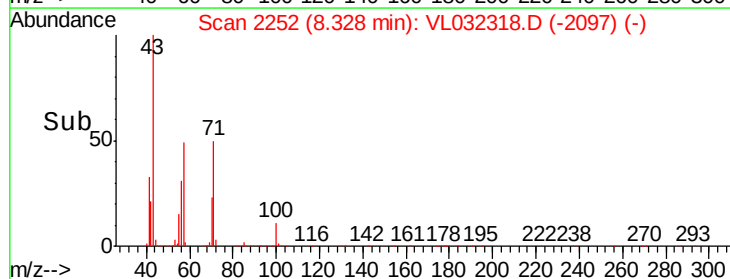
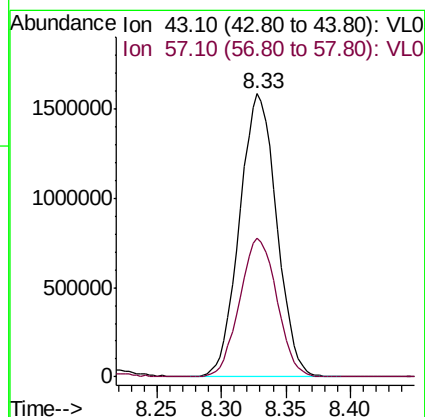
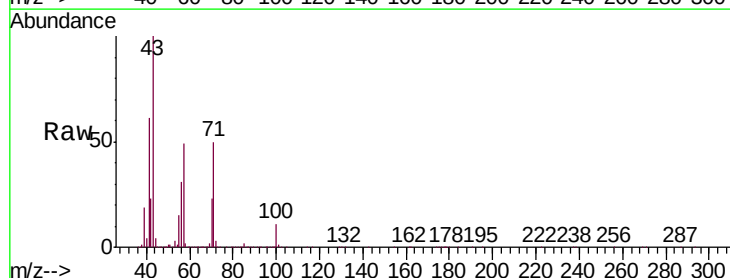
Acq: 27 Jul 2018 13:34

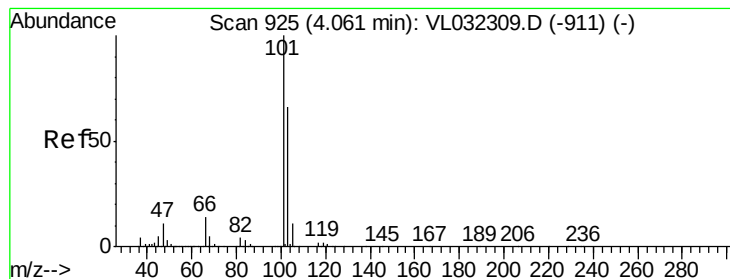
Tgt Ion: 43 Resp: 3162500

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.4





#11

Trichlorofluoromethane

Concen: 8.979 ppbv

RT: 4.06 min Scan# 925

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

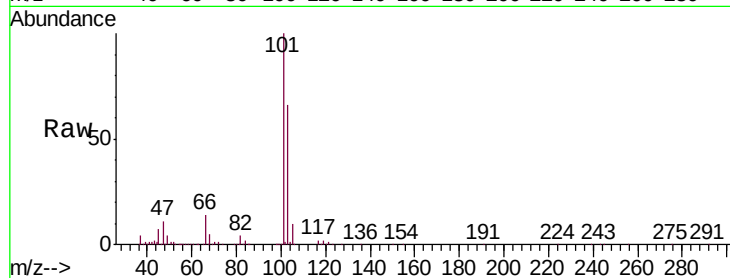
ClientSampleId :

Tot Ion:101 Resp: 2043764

Ion Ratio Lower Upper

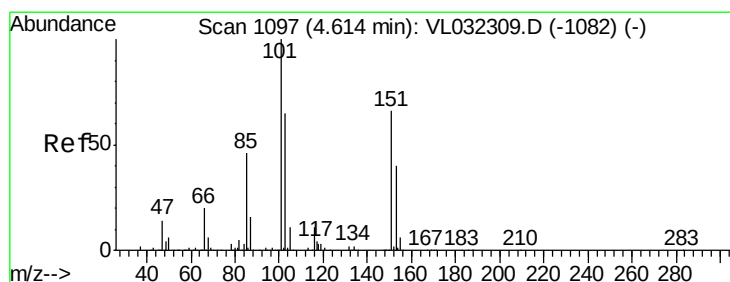
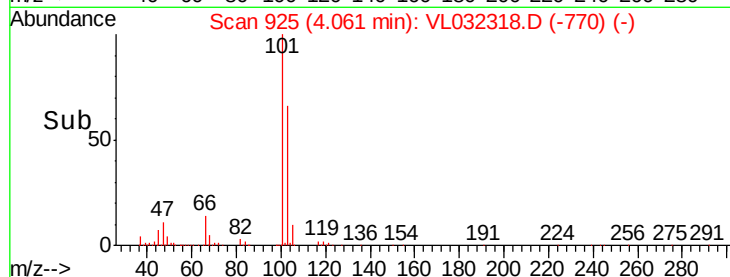
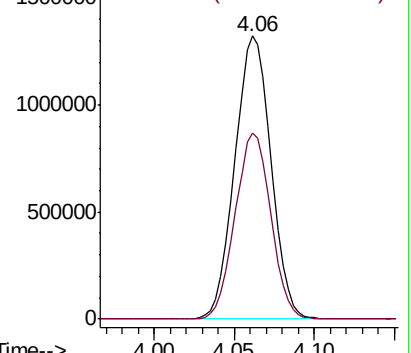
101 100

103 65.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.125 ppbv

RT: 4.61 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VL032318.D

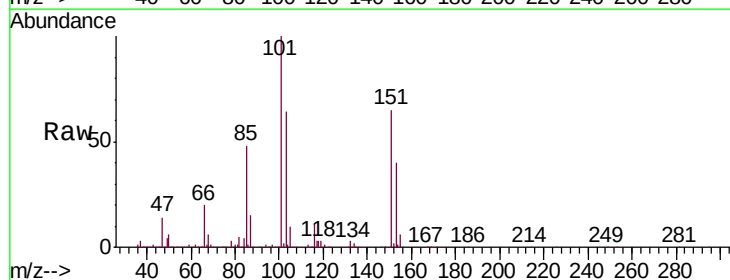
Acq: 27 Jul 2018 13:34

Tgt Ion:101 Resp: 1418096

Ion Ratio Lower Upper

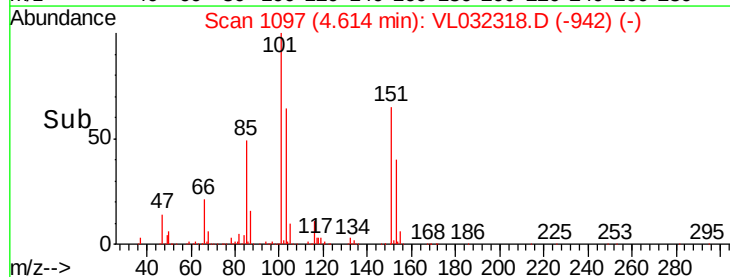
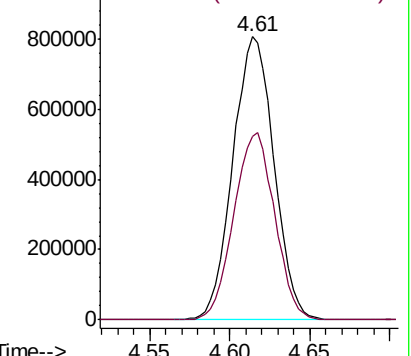
101 100

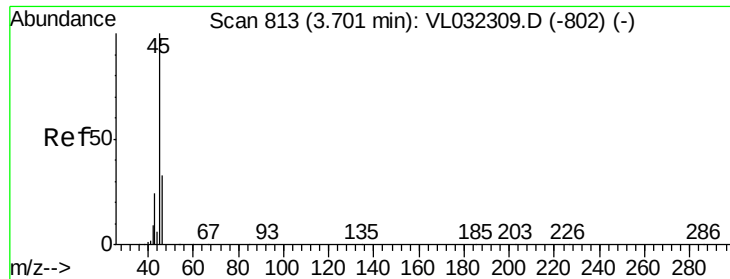
151 65.9 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

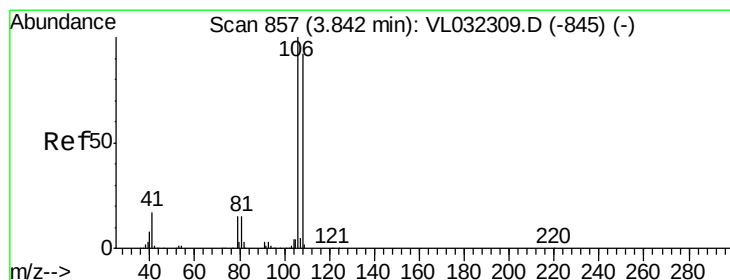
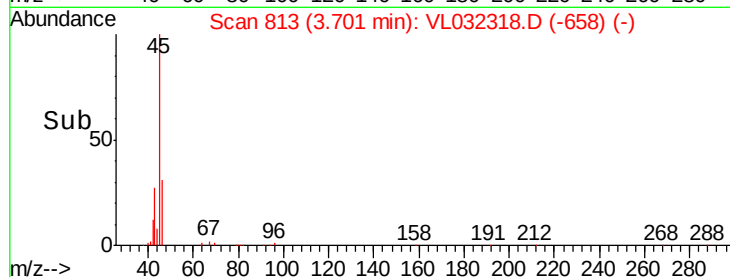
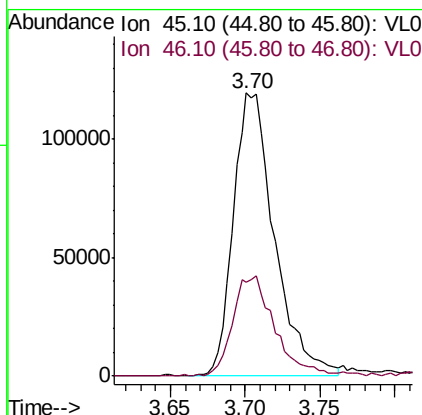
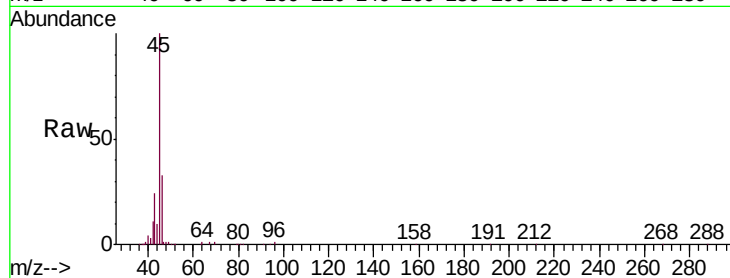




#13
Ethanol
Concen: 8.922 ppbv
RT: 3.70 min Scan# 813
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

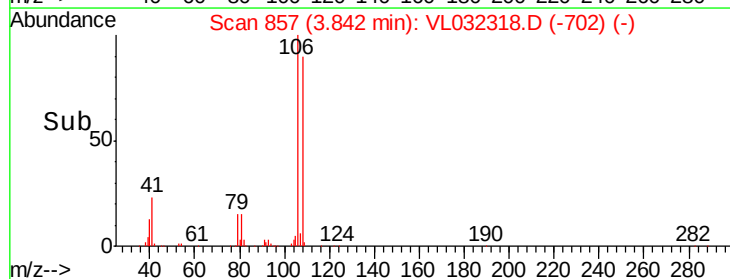
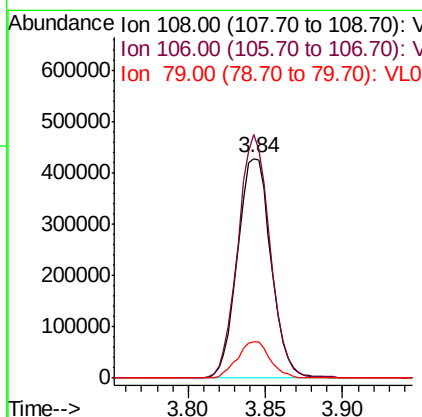
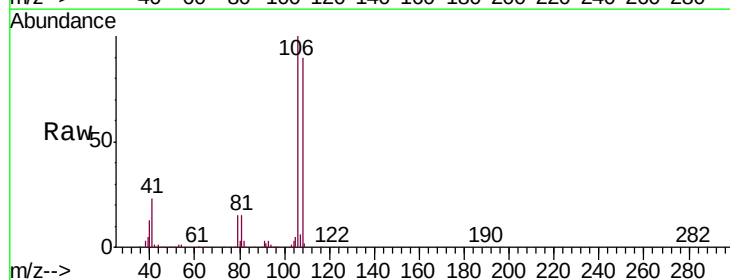
Instrument :
MSVOA_L
ClientSampleId :

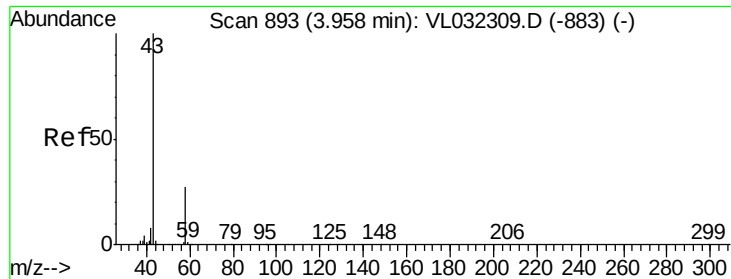
Tot Ion: 45 Resp: 227733
Ion Ratio Lower Upper
45 100
46 36.9 15.2 60.6



#14
Bromoethene
Concen: 9.476 ppbv
RT: 3.84 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 108 Resp: 646398
Ion Ratio Lower Upper
108 100
106 106.5 86.0 129.0
79 16.6 12.8 19.2





#15

Acetone

Concen: 9.170 ppbv

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

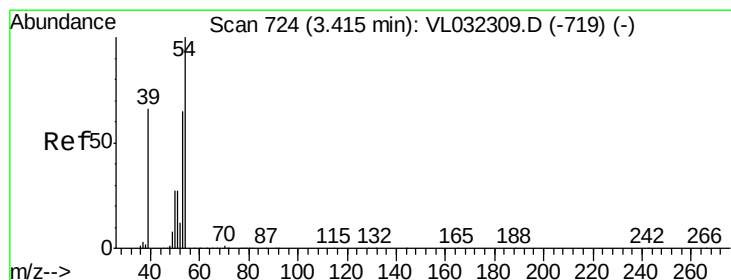
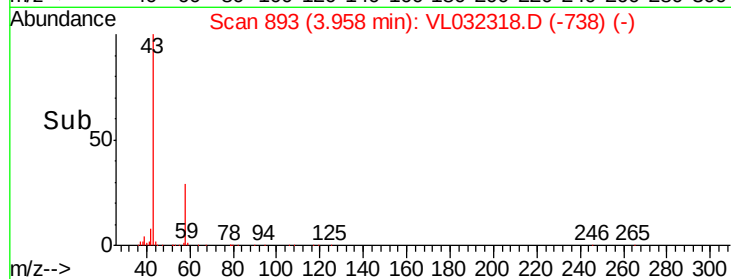
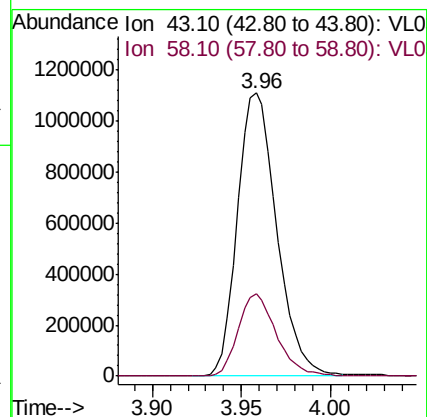
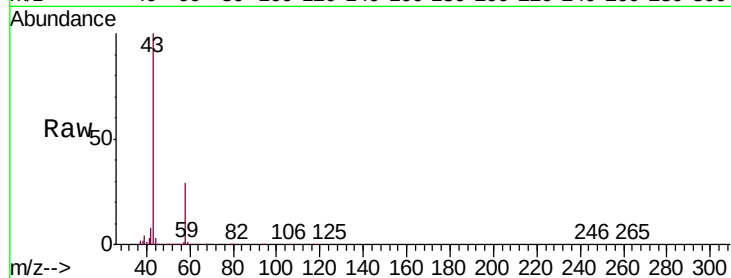
ClientSampleId :

Tot Ion: 43 Resp: 1707510

Ion Ratio Lower Upper

43 100

58 28.3 22.5 33.7



#16

1,3-Butadiene

Concen: 9.444 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032318.D

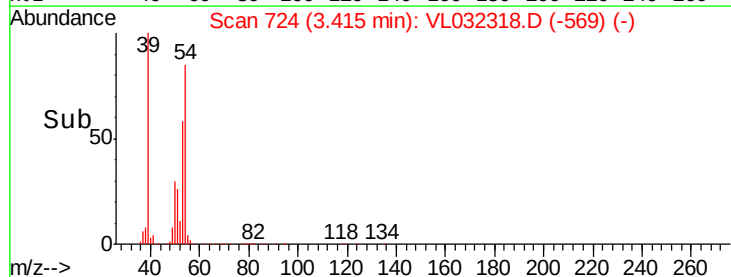
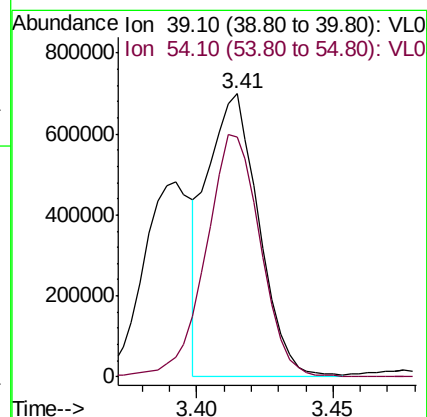
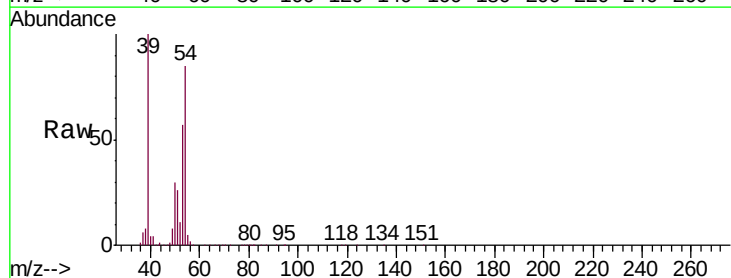
Acq: 27 Jul 2018 13:34

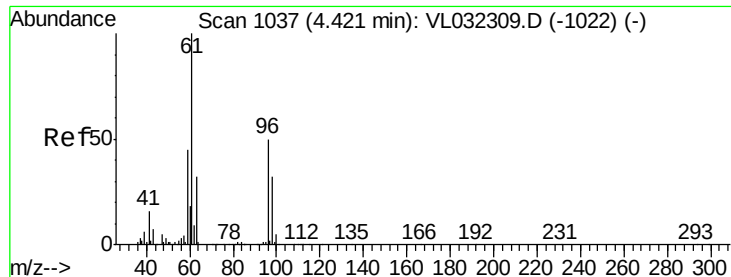
Tgt Ion: 39 Resp: 911704

Ion Ratio Lower Upper

39 100

54 91.5 74.3 111.5





#17

tert-Butyl alcohol

Concen: 9.044 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

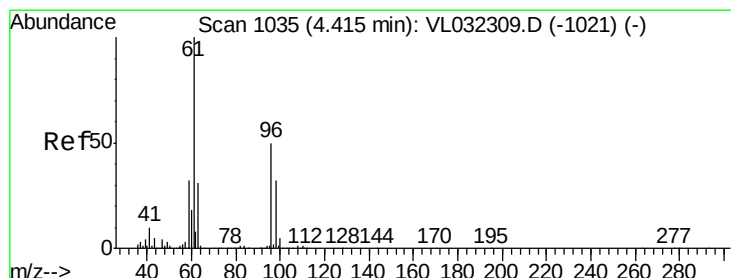
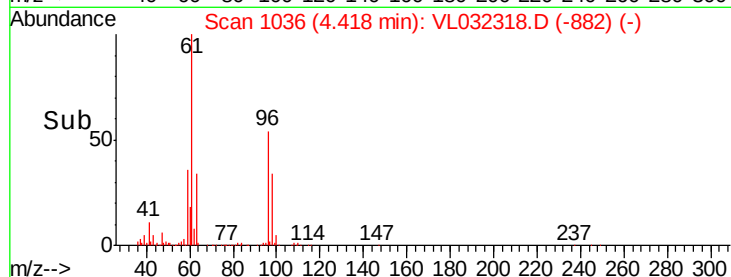
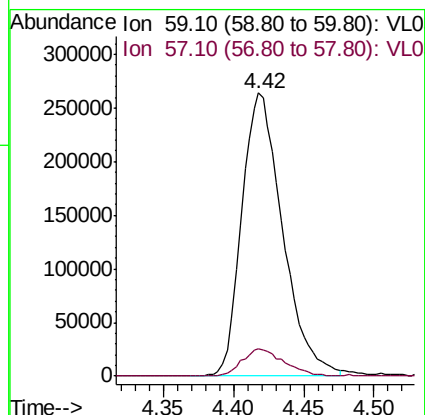
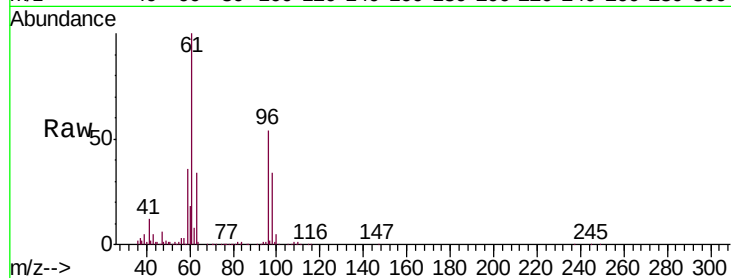
ClientSampleId :

Tot Ion: 59 Resp: 535246

Ion Ratio Lower Upper

59 100

57 10.1 8.0 12.0



#18

1,1-Dichloroethene

Concen: 9.396 ppbv

RT: 4.41 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

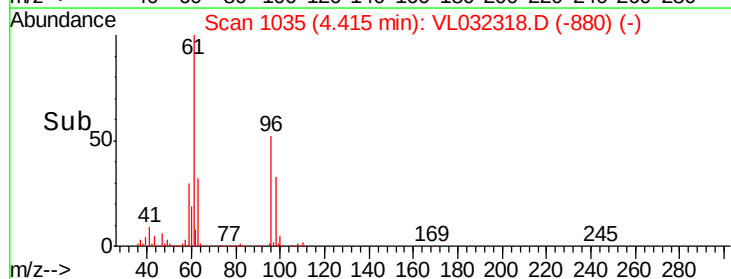
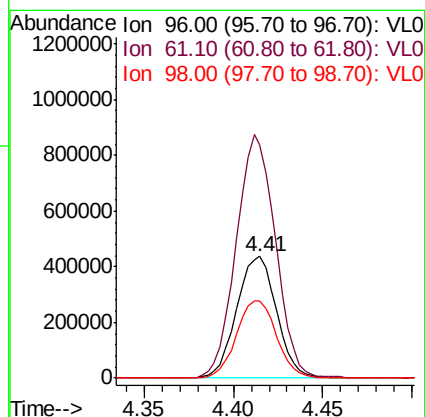
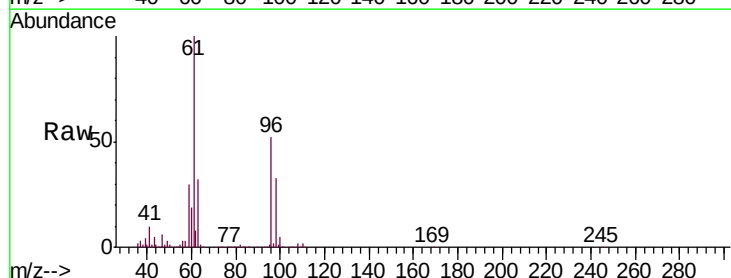
Tgt Ion: 96 Resp: 677466

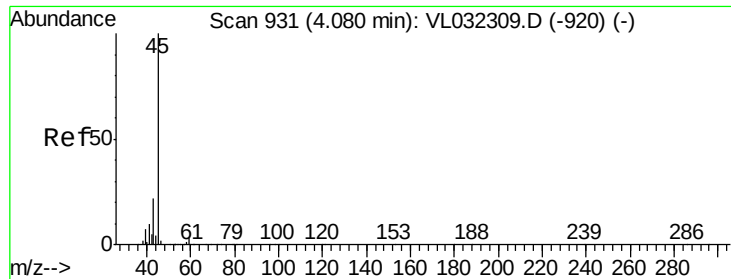
Ion Ratio Lower Upper

96 100

61 192.2 159.0 238.4

98 63.8 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.218 ppbv

RT: 4.08 min Scan# 931

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

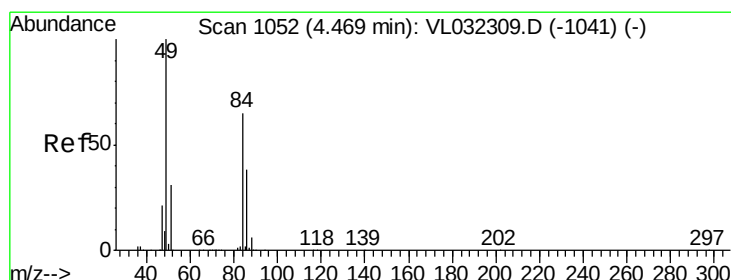
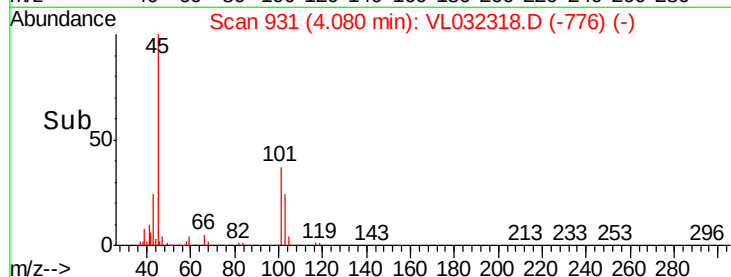
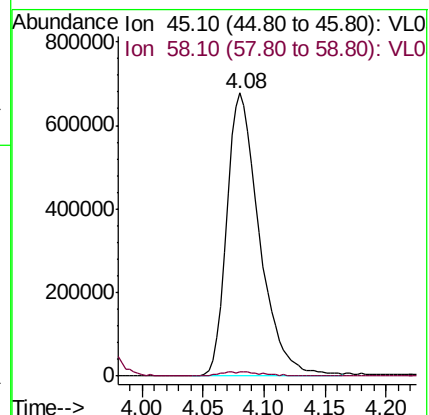
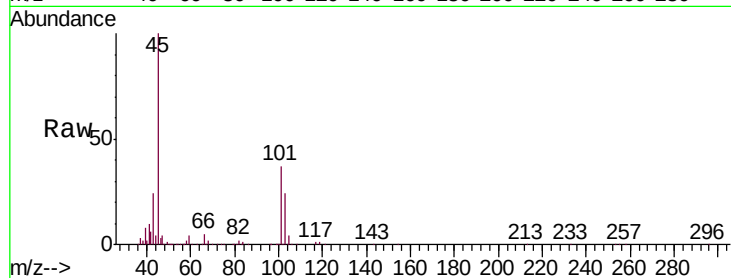
ClientSampleId :

Tot Ion: 45 Resp: 1269583

Ion Ratio Lower Upper

45 100

58 2.2 1.5 2.3



#20

Methylene Chloride

Concen: 8.225 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion: 84 Resp: 615548

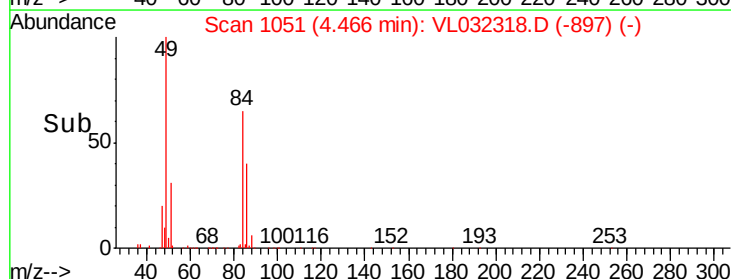
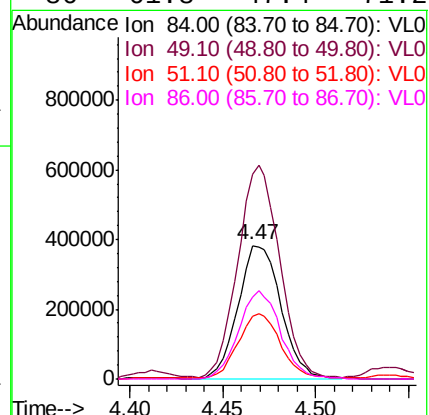
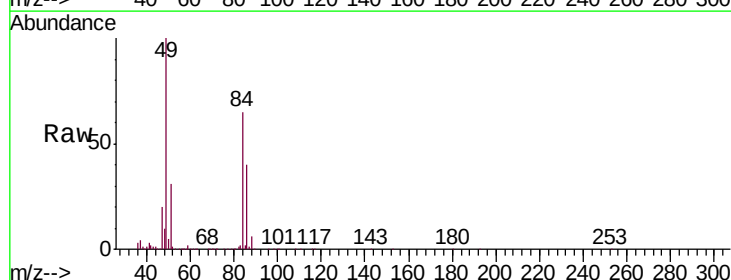
Ion Ratio Lower Upper

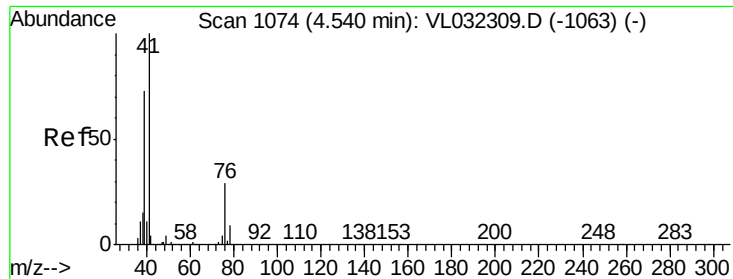
84 100

49 152.4 123.4 185.0

51 46.4 38.2 57.2

86 61.8 47.4 71.2

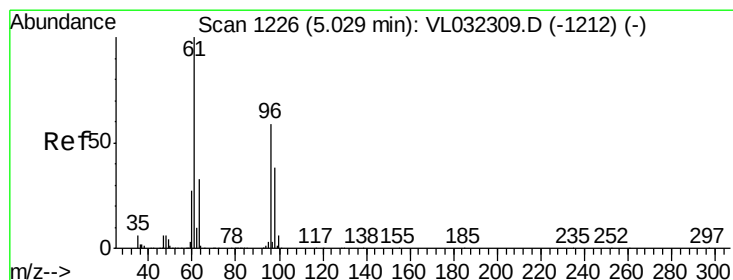
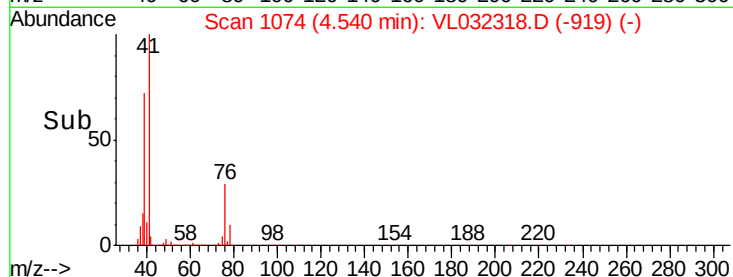
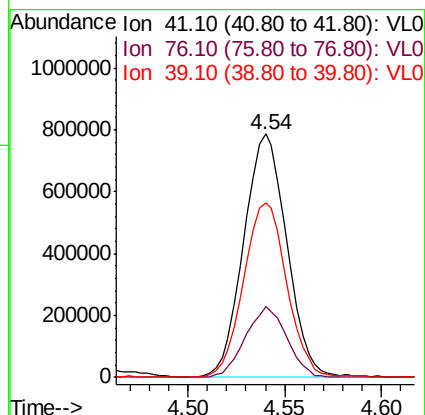
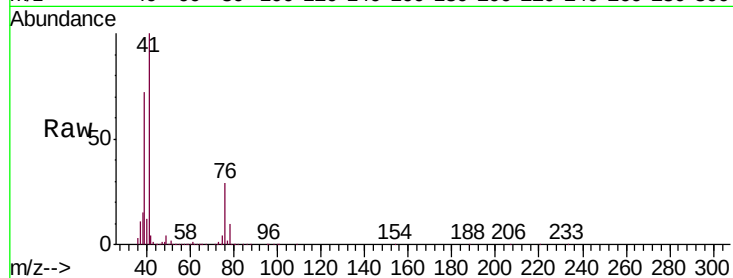




#21
Allvl Chloride
Concen: 9.566 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

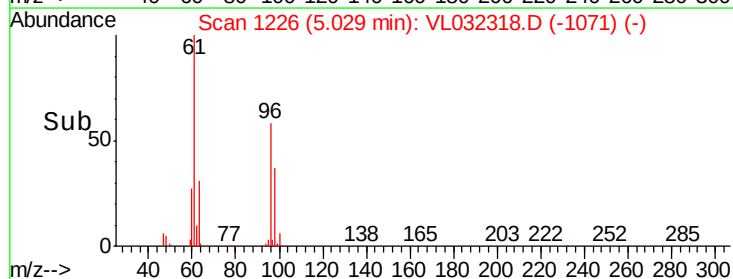
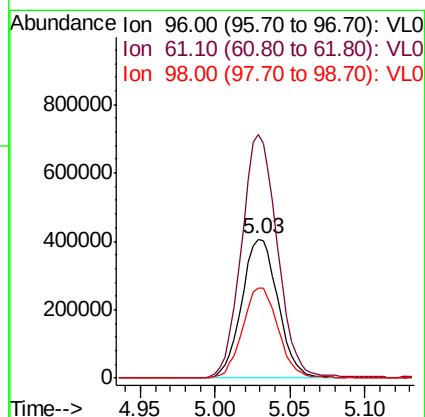
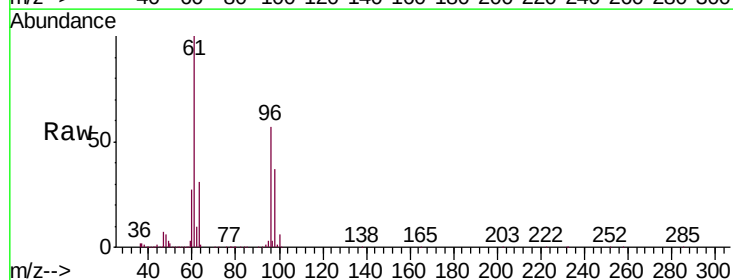
Instrument :
MSVOA_L
ClientSampled :

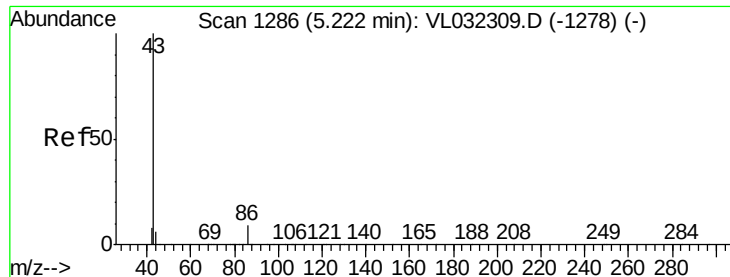
Tot Ion: 41 Resp: 1215133
Ion Ratio Lower Upper
41 100
76 28.2 23.1 34.7
39 72.2 58.2 87.2



#22
trans-1,2-Dichloroethene
Concen: 9.917 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 96 Resp: 689461
Ion Ratio Lower Upper
96 100
61 174.9 136.5 204.7
98 64.9 51.3 76.9



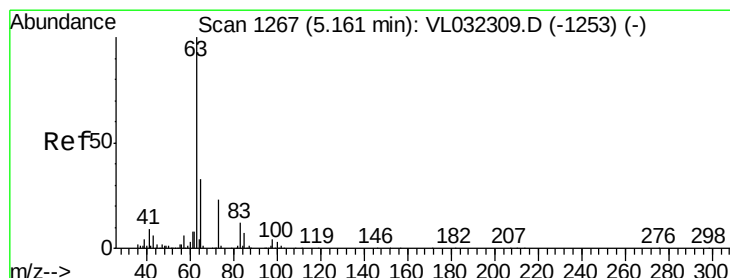
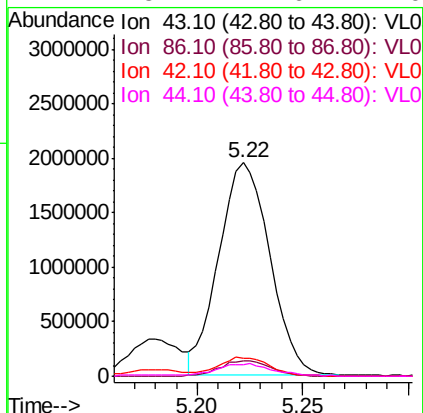
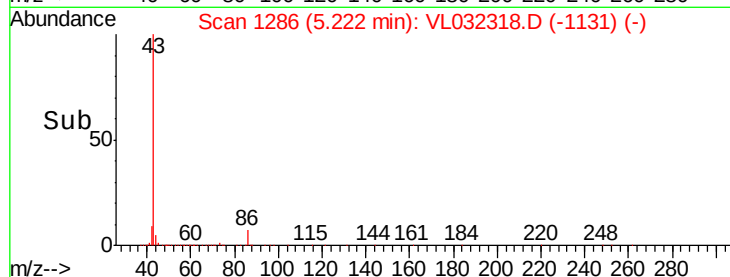
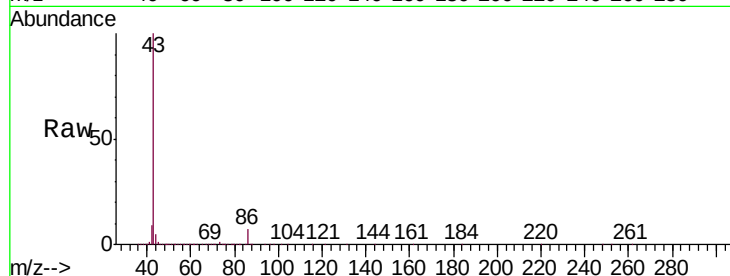


#23
 Vinyl Acetate
 Concen: 9.832 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 3284064

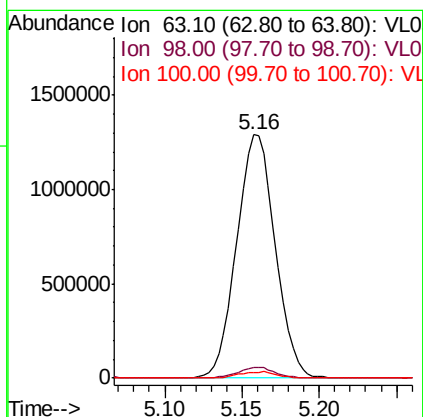
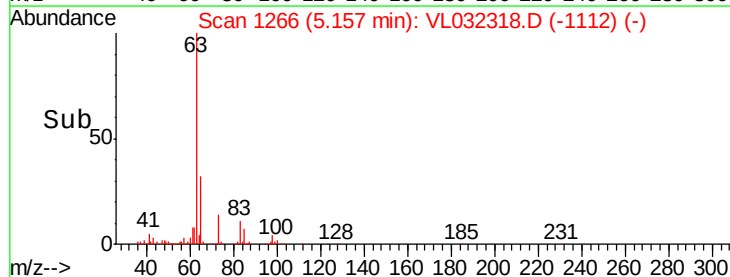
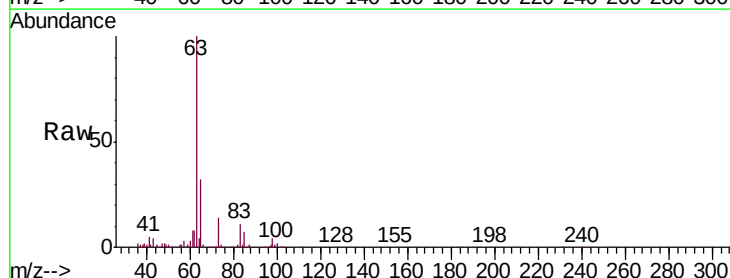
Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	8.5	7.0	10.4
44	5.1	4.6	7.0

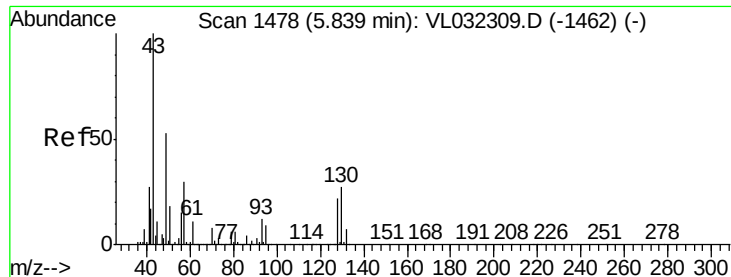


#24
 1,1-Dichloroethane
 Concen: 9.305 ppbv
 RT: 5.16 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 63 Resp: 2229524

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.2	1.3	3.8



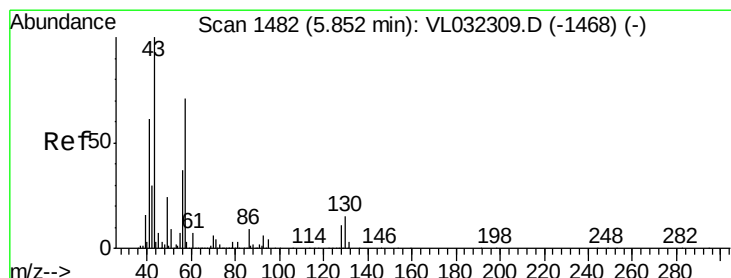
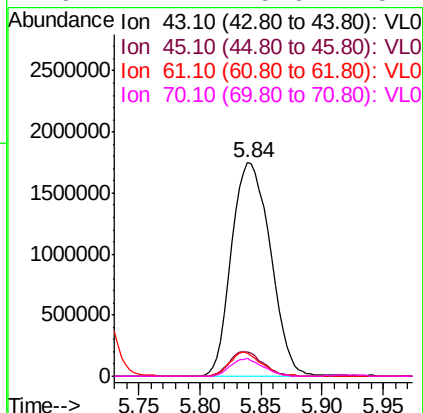
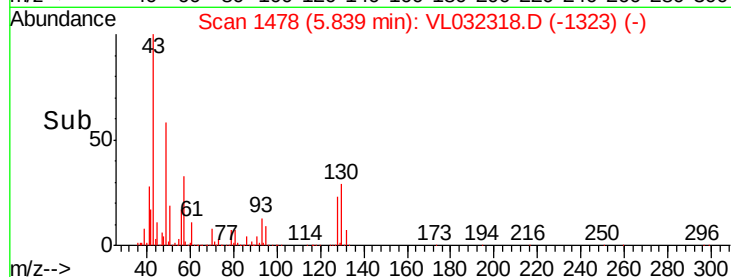
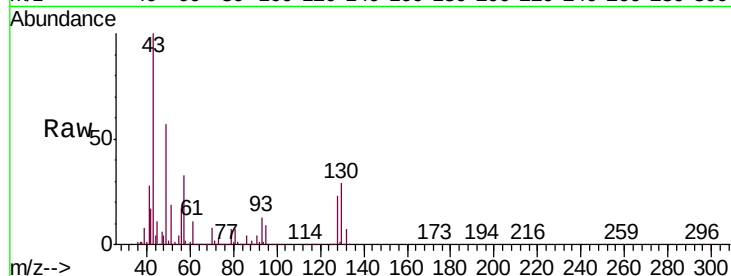


#25
Ethyl Acetate
Concen: 9.272 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3874471

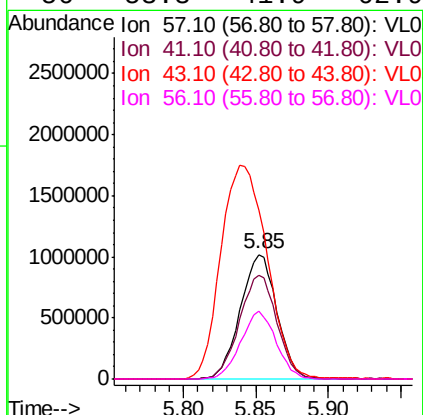
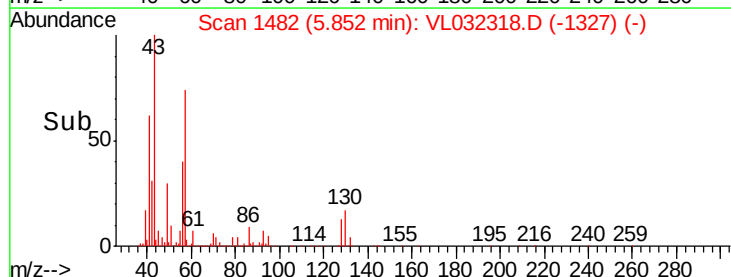
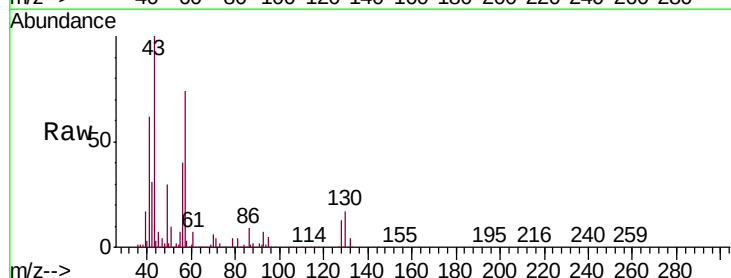
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.3	7.4	11.0
70	7.1	5.6	8.4

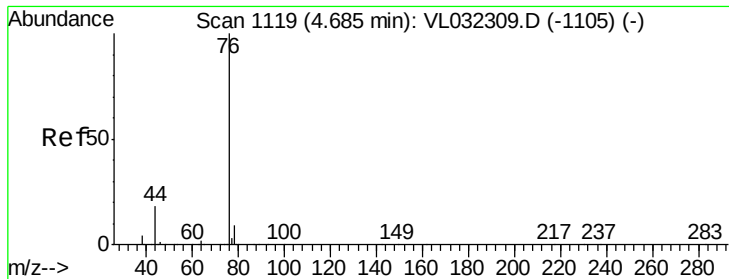


#26
Hexane
Concen: 9.434 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 57 Resp: 1783669

Ion	Ratio	Lower	Upper
57	100		
41	85.8	68.1	102.1
43	217.9	177.4	266.2
56	53.3	41.9	62.9





#27

Carbon Disulfide

Concen: 10.264 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

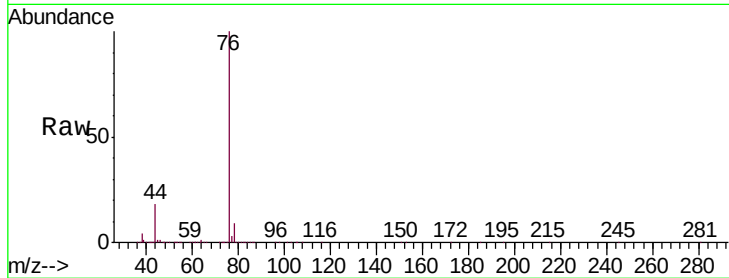
Tot Ion: 76 Resp: 1764445

Ion Ratio Lower Upper

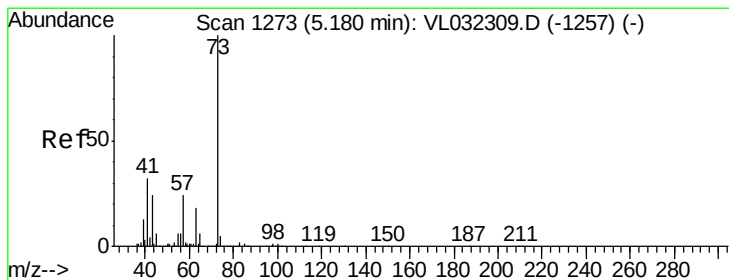
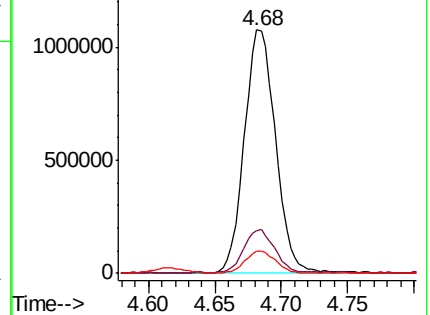
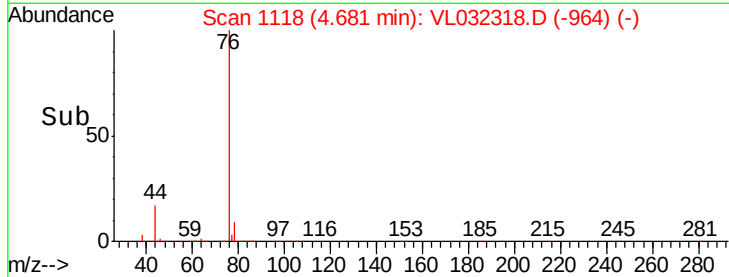
76 100

44 17.9 14.0 21.0

78 9.1 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: 10.088 ppbv

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VL032318.D

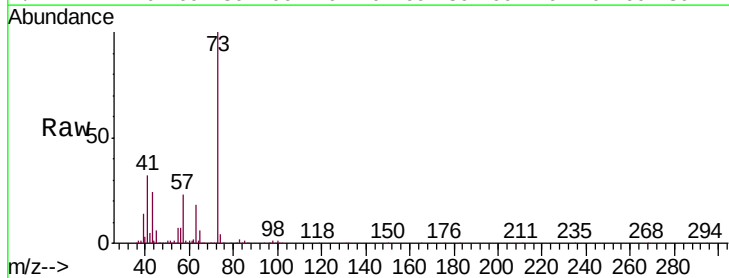
Acq: 27 Jul 2018 13:34

Tgt Ion: 73 Resp: 2579971

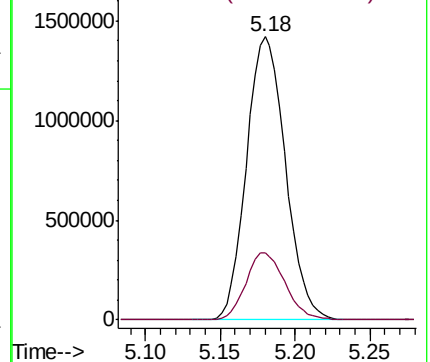
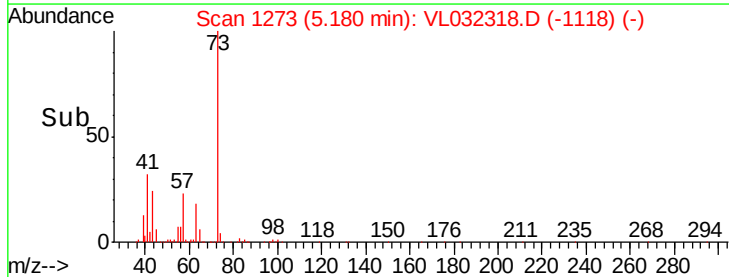
Ion Ratio Lower Upper

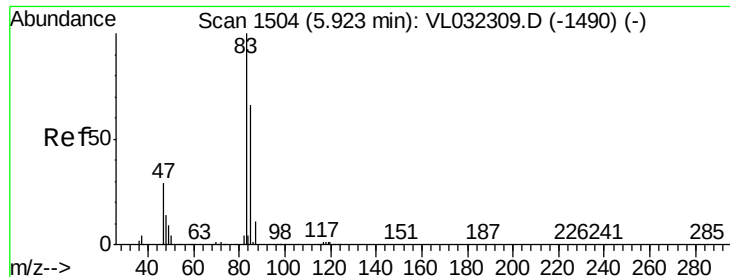
73 100

57 24.0 19.4 29.0



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

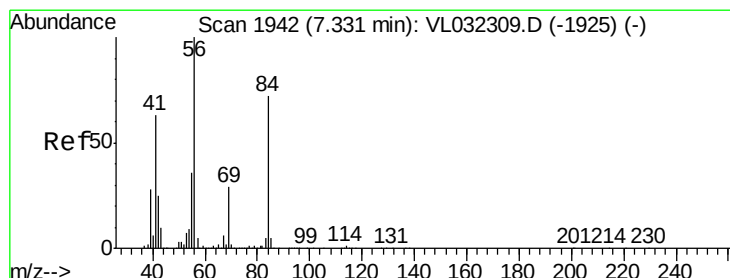
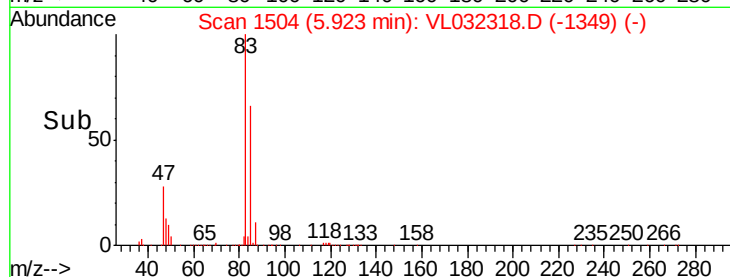
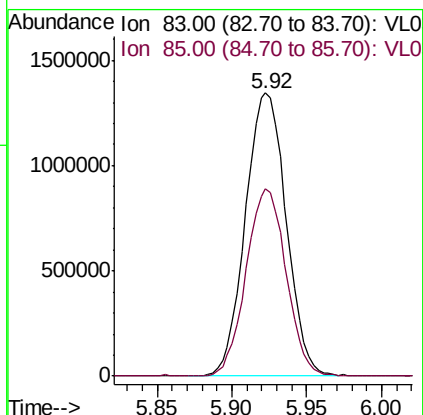
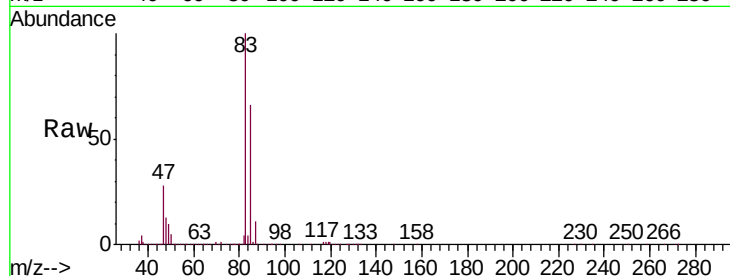




#29
Chloroform
Concen: 9.285 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

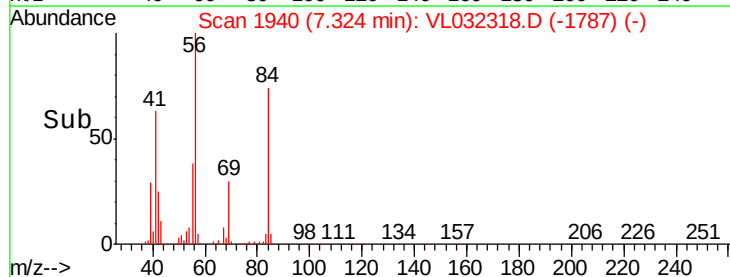
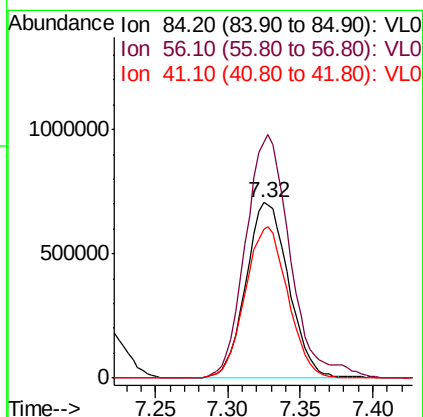
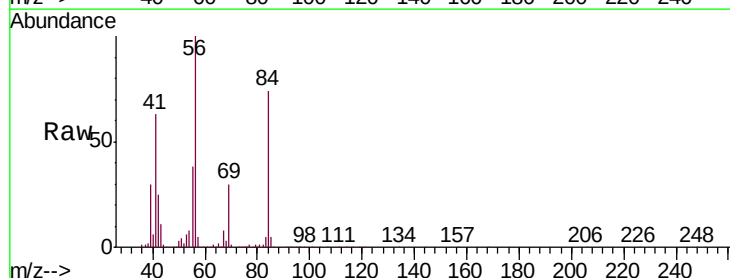
Instrument :
MSVOA_L
ClientSampleId :

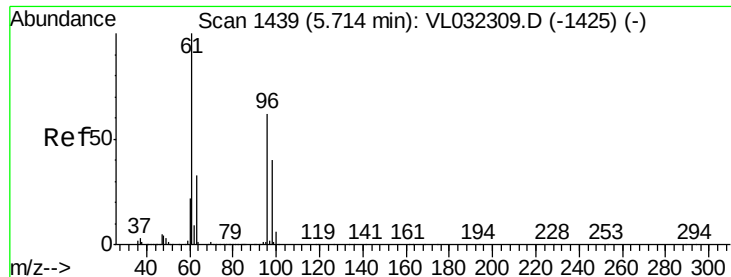
Tot Ion: 83 Resp: 2553564
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3



#30
Cyclohexane
Concen: 9.755 ppbv
RT: 7.32 min Scan# 1940
Delta R.T. -0.01 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 84 Resp: 1439014
Ion Ratio Lower Upper
84 100
56 146.2 116.8 175.2
41 86.7 70.0 105.0



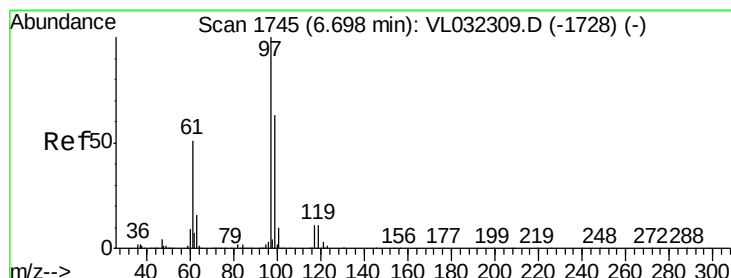
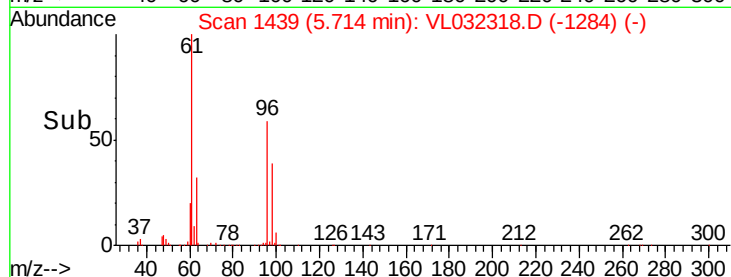
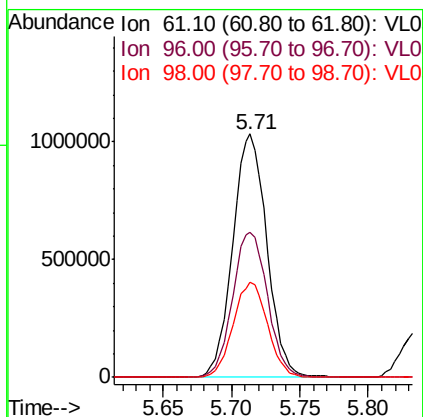
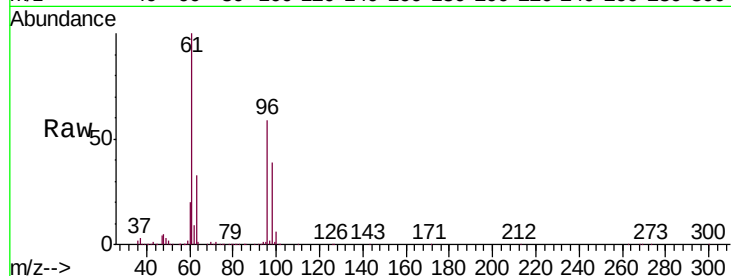


#31
 cis-1,2-Dichloroethene
 Concen: 10.222 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 61 Resp: 1791859

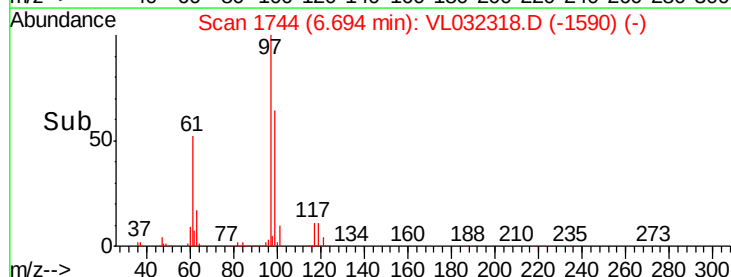
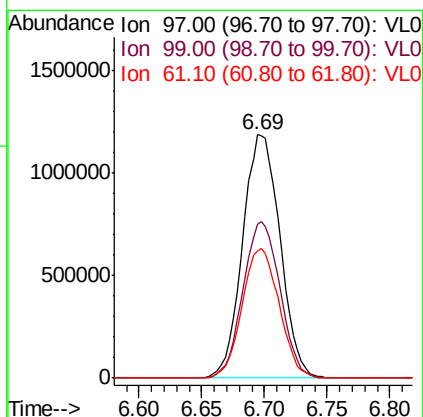
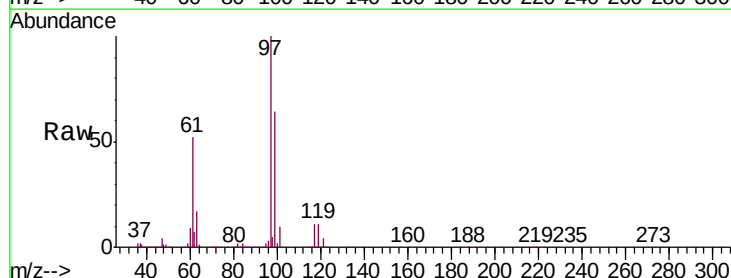
Ion	Ratio	Lower	Upper
61	100		
96	59.4	49.8	74.6
98	38.9	31.8	47.6

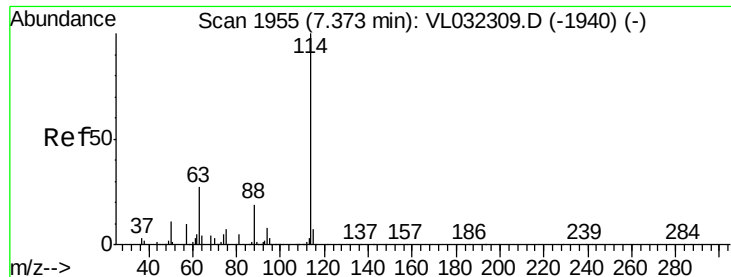


#32
 1,1,1-Trichloroethane
 Concen: 10.118 ppbv
 RT: 6.69 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 97 Resp: 2462774

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	53.0	41.8	62.6

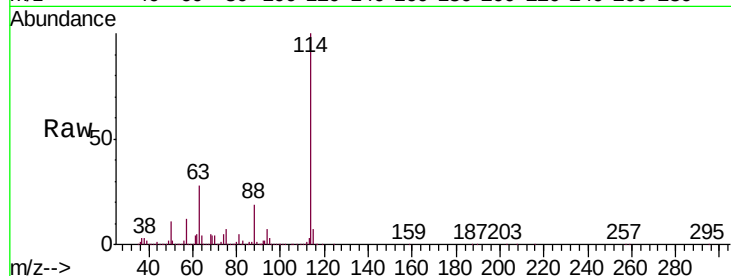




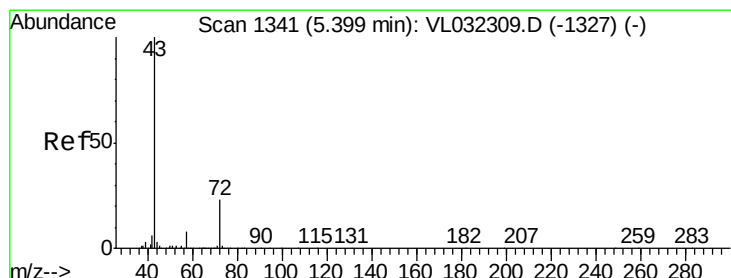
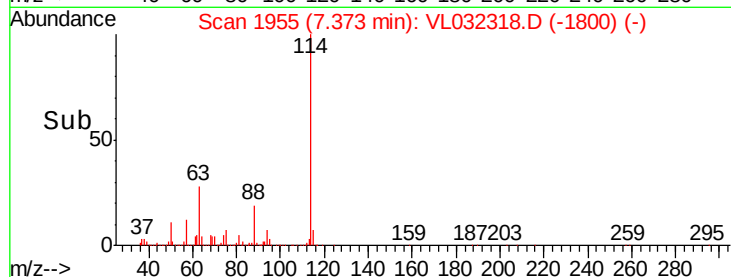
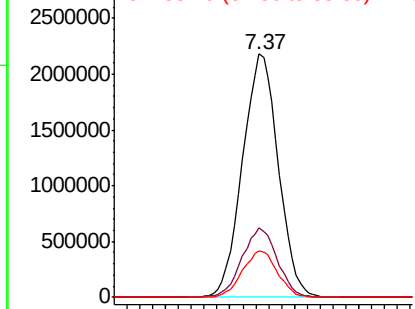
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 4210980
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.4 33.6
 88 18.9 15.3 22.9

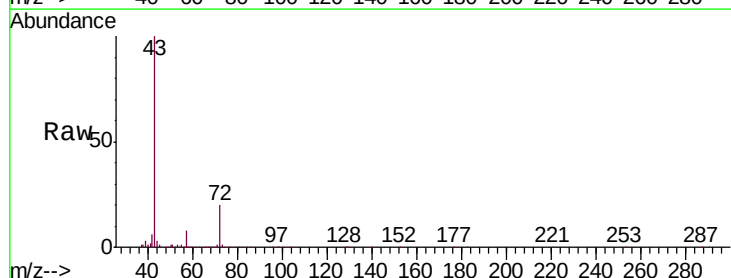


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

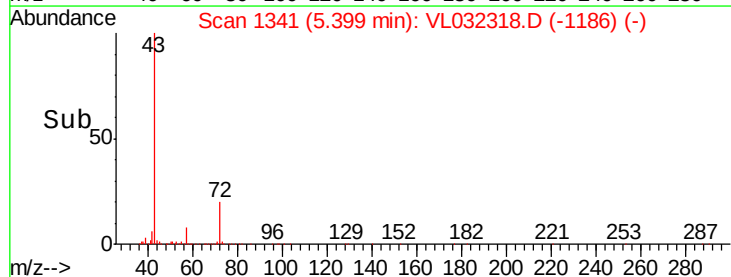
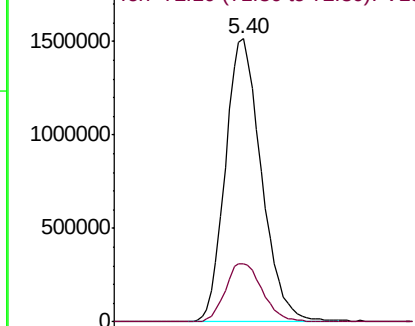


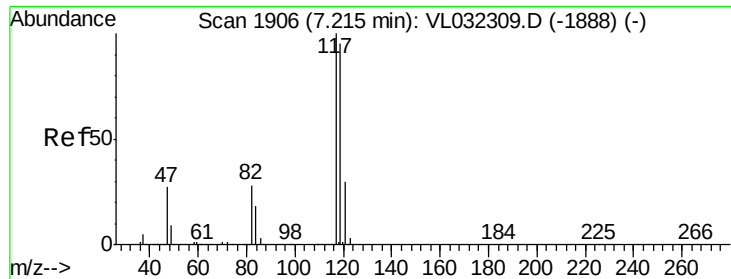
#34
 2-Butanone
 Concen: 9.880 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 43 Resp: 2693034
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.4 26.2



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

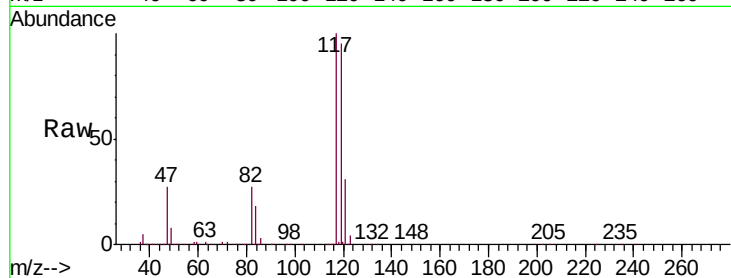




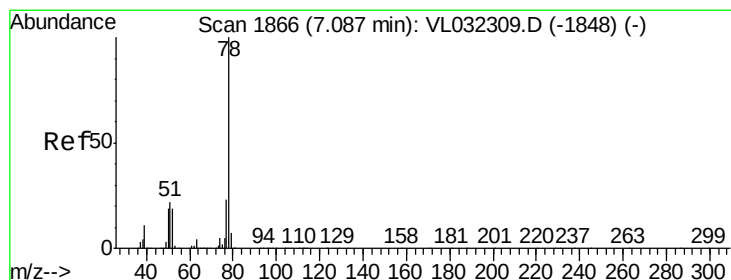
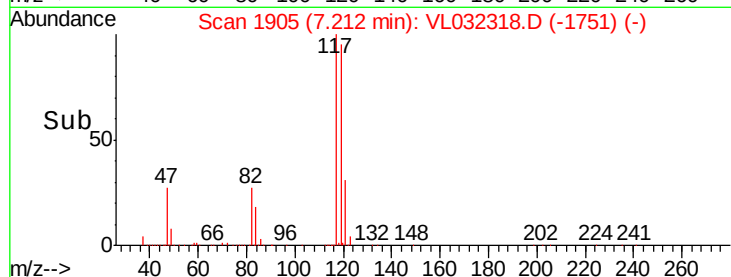
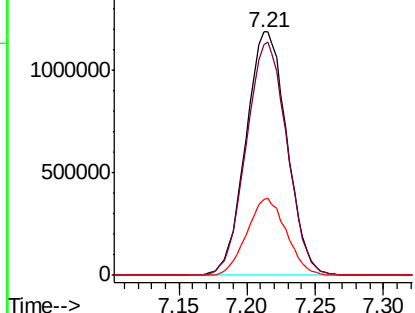
#35
Carbon Tetrachloride
Concen: 10.355 ppbv
RT: 7.21 min Scan# 1905
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2476912
Ion Ratio Lower Upper
117 100
119 94.9 76.1 114.1
121 30.9 24.4 36.6

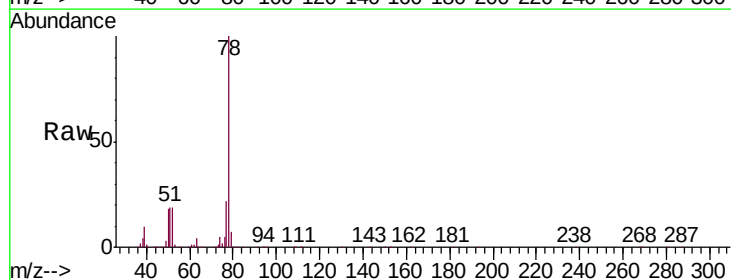


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

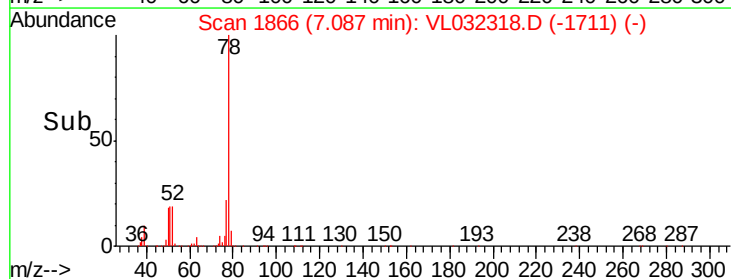
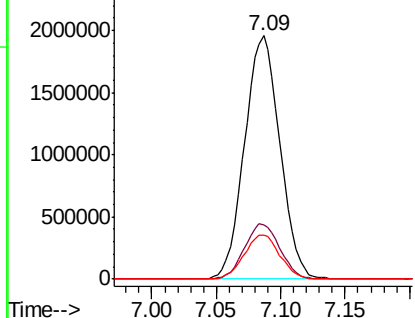


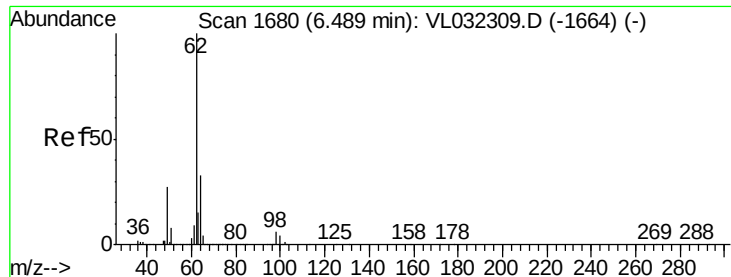
#36
Benzene
Concen: 10.071 ppbv
RT: 7.09 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 78 Resp: 3738330
Ion Ratio Lower Upper
78 100
77 22.3 18.4 27.6
50 18.0 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

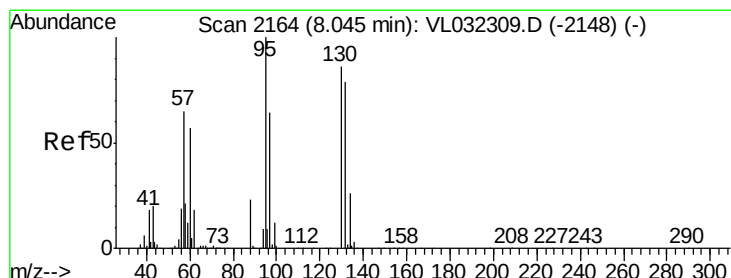
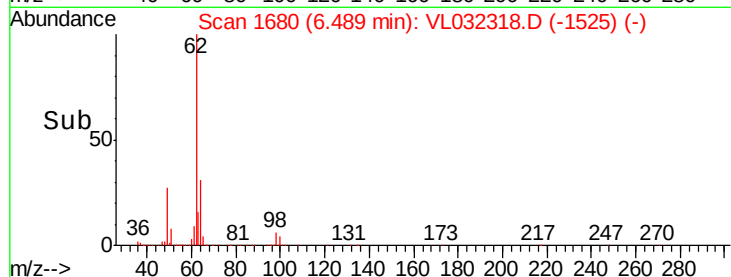
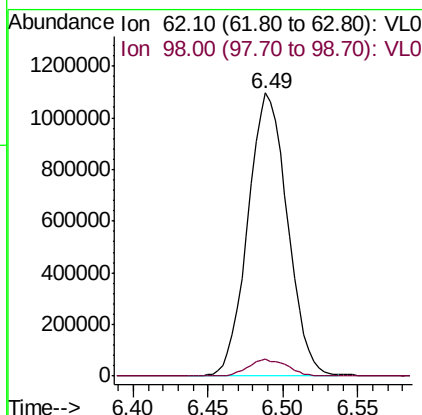
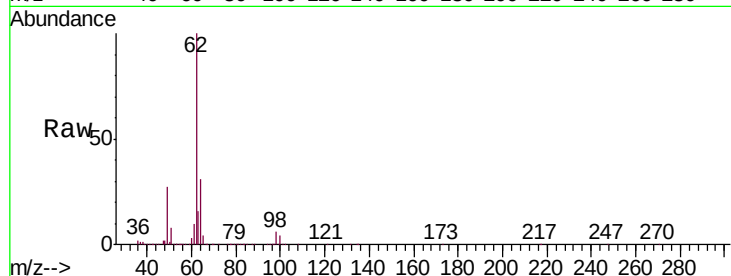




#37
 1,2-Dichloroethane
 Concen: 9.401 ppbv
 RT: 6.49 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

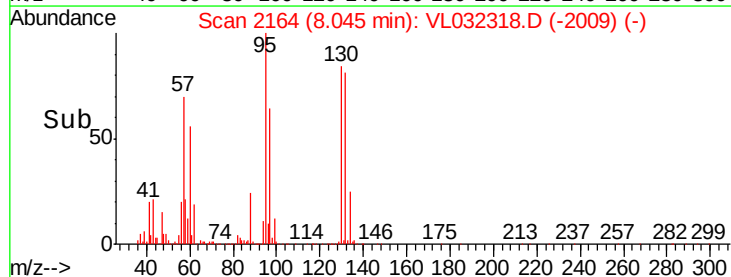
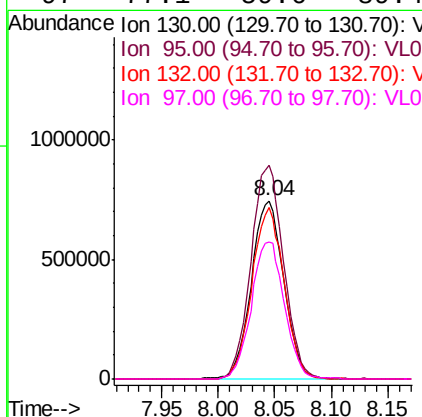
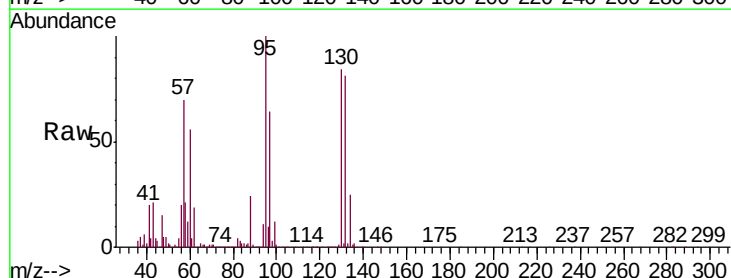
Instrument :
 MSVOA_L
 ClientSampleId :

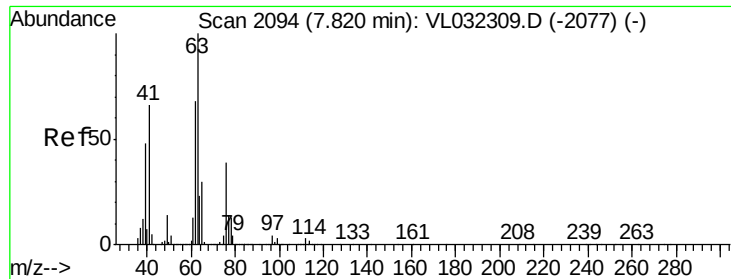
Tot Ion: 62 Resp: 2016370
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.1 7.7



#38
 Trichloroethene
 Concen: 10.360 ppbv
 RT: 8.04 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 130 Resp: 1486248
 Ion Ratio Lower Upper
 130 100
 95 119.7 92.9 139.3
 132 96.5 73.0 109.4
 97 77.1 59.6 89.4

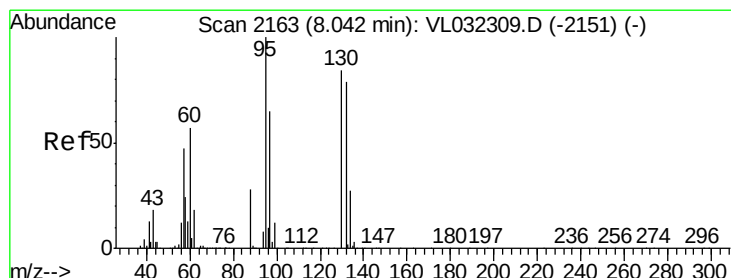
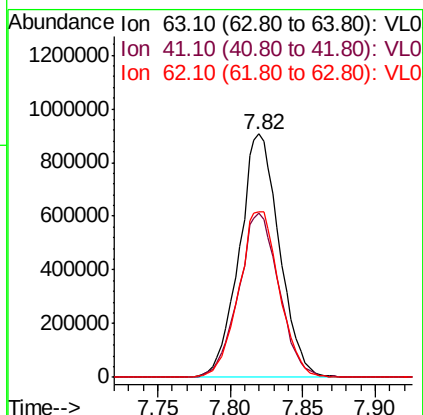
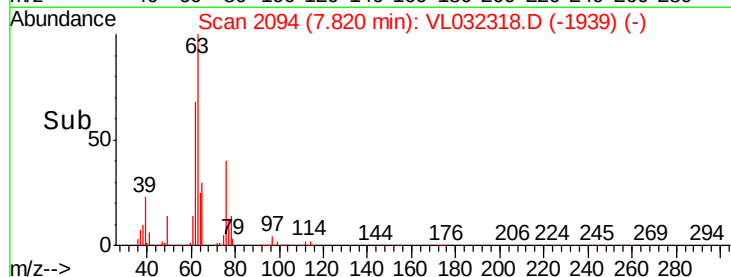
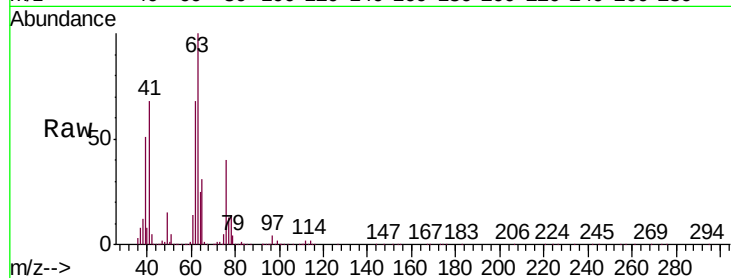




#39
 1,2-Dichloropropane
 Concen: 9.296 ppbv
 RT: 7.82 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

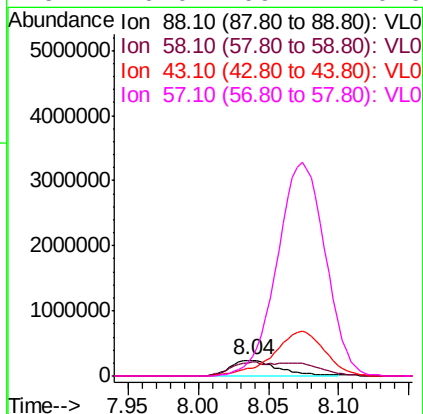
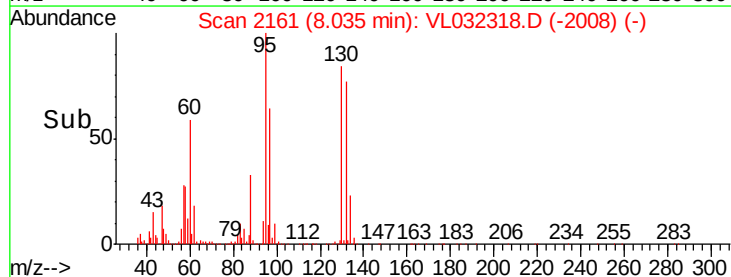
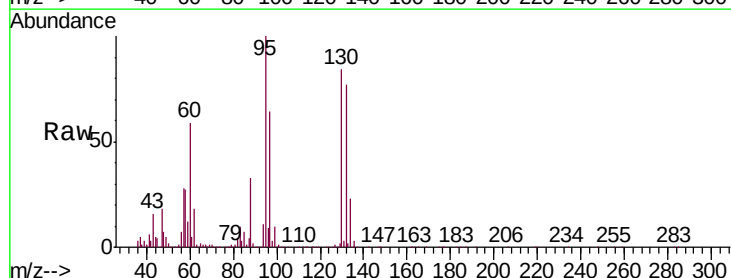
Instrument :
 MSVOA_L
 ClientSampleId :

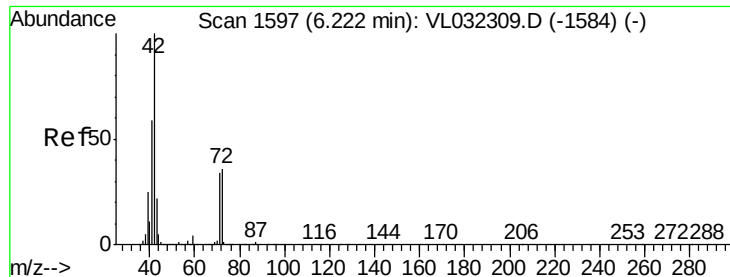
Tot Ion: 63 Resp: 1735914
 Ion Ratio Lower Upper
 63 100
 41 67.7 52.5 78.7
 62 67.7 54.6 81.8



#40
 1,4-Dioxane
 Concen: 10.377 ppbv
 RT: 8.04 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 88 Resp: 569091
 Ion Ratio Lower Upper
 88 100
 58 150.1 120.5 180.7
 43 0.0 246.2 369.2#
 57 0.0 1097.4 1646.2#





#41

Tetrahydrofuran

Concen: 10.171 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampled :

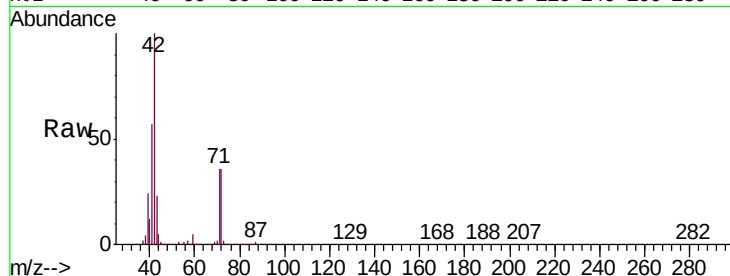
Tot Ion: 42 Resp: 1568059

Ion Ratio Lower Upper

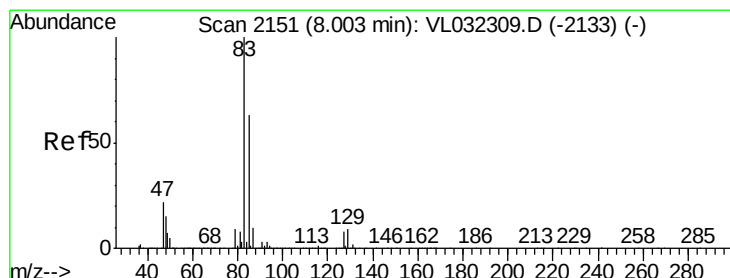
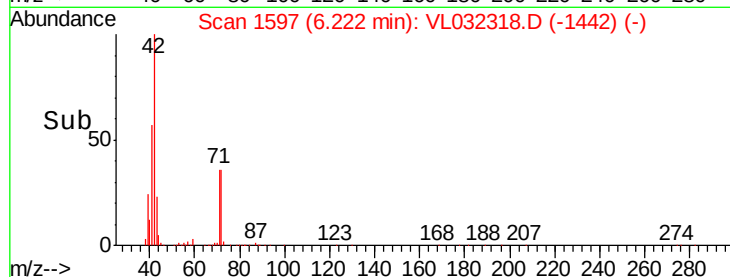
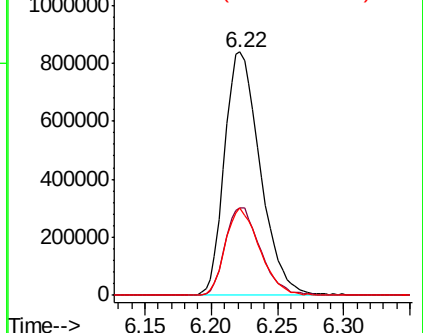
42 100

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: 9.803 ppbv

RT: 8.00 min Scan# 2150

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

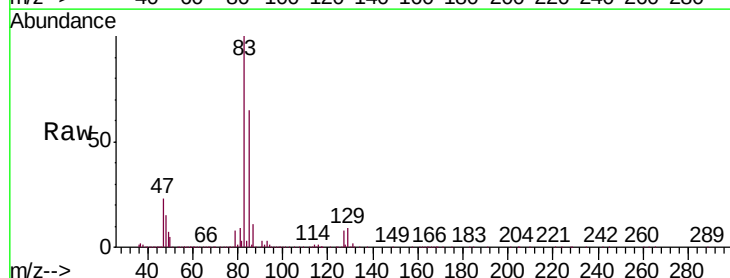
Tgt Ion: 83 Resp: 3404100

Ion Ratio Lower Upper

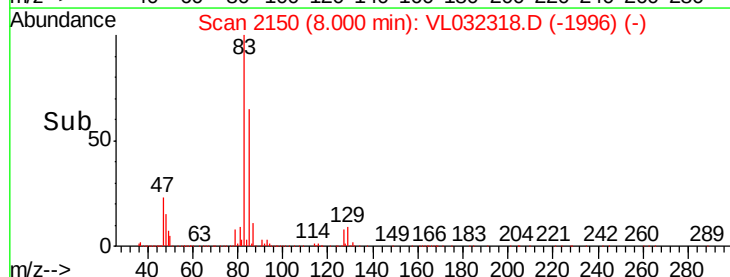
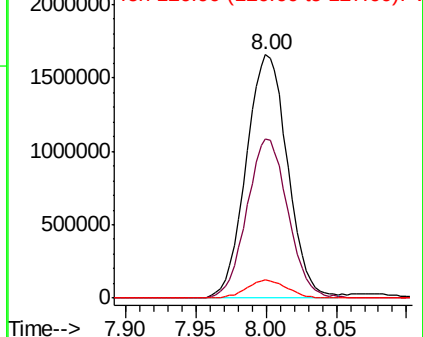
83 100

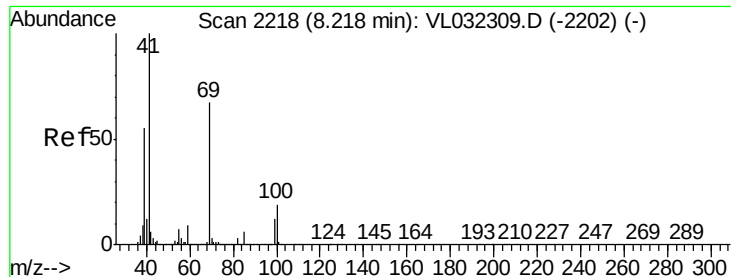
85 65.4 50.7 76.1

127 7.5 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

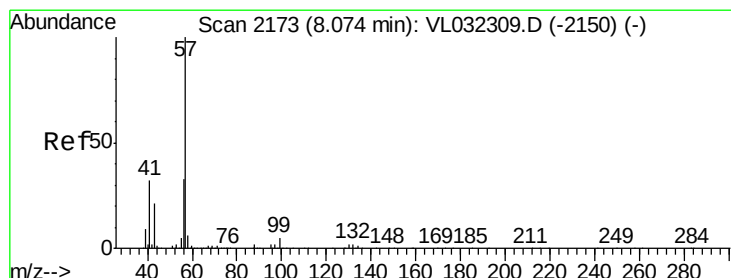
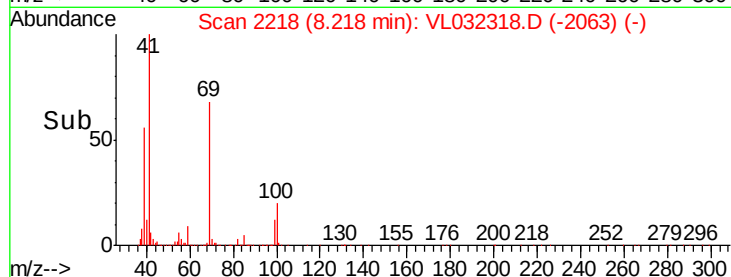
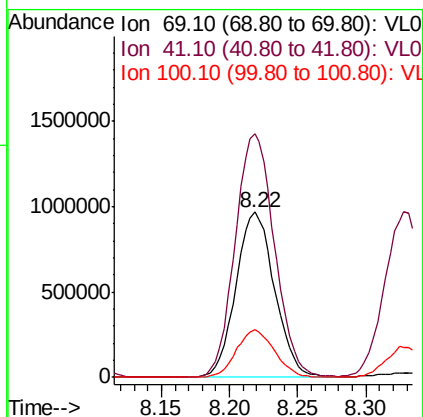
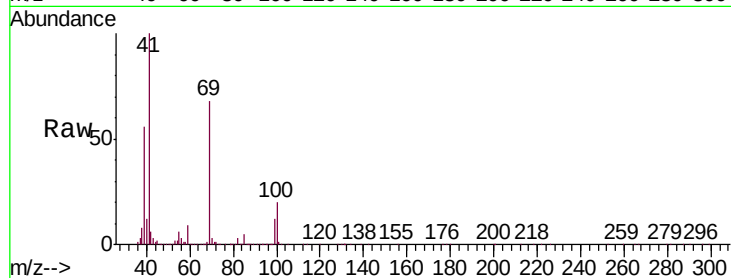




#43
Methyl Methacrylate
Concen: 10.688 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

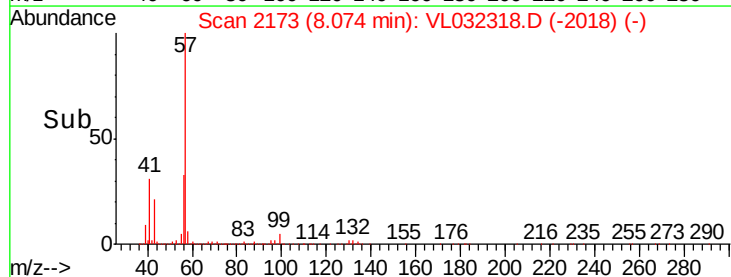
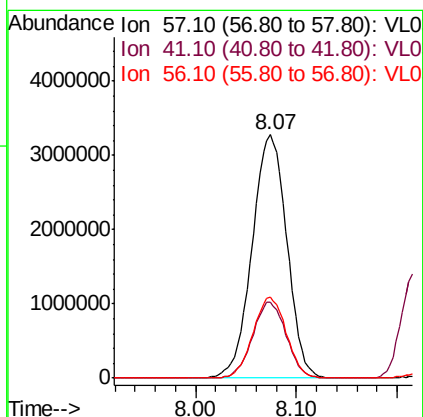
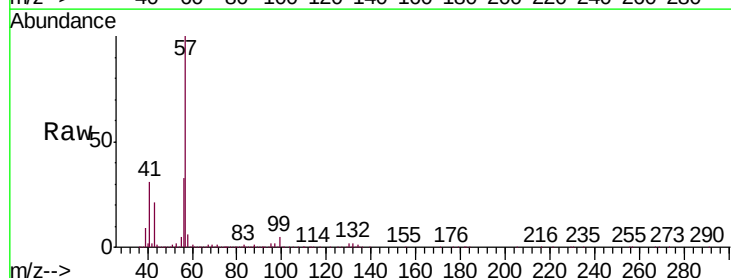
Instrument :
MSVOA_L
ClientSampleId :

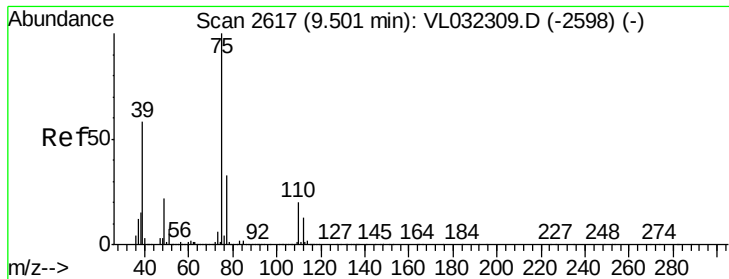
Tot Ion: 69 Resp: 1904334
Ion Ratio Lower Upper
69 100
41 149.6 120.6 180.8
100 28.5 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 9.727 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 57 Resp: 7829336
Ion Ratio Lower Upper
57 100
41 30.4 24.3 36.5
56 32.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 11.009 ppbv

RT: 9.50 min Scan# 2616

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

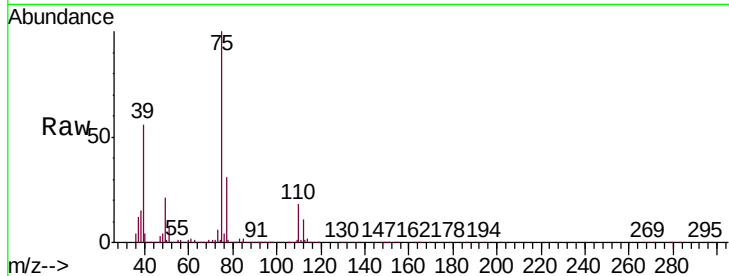
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 2272918

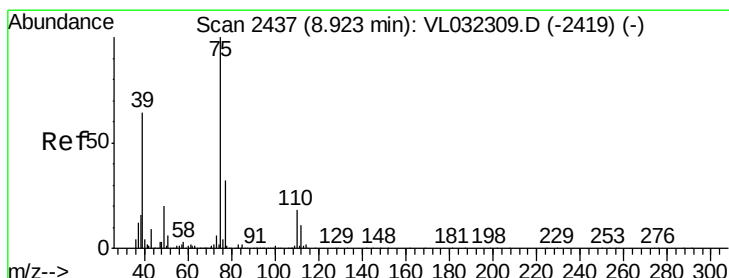
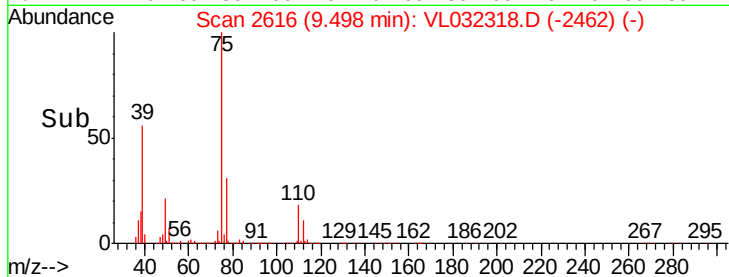
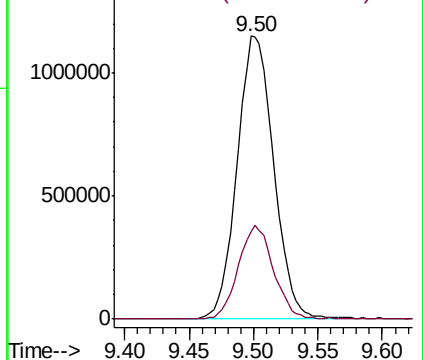
Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.4



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



#46

cis-1,3-Dichloropropene

Concen: 10.787 ppbv

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

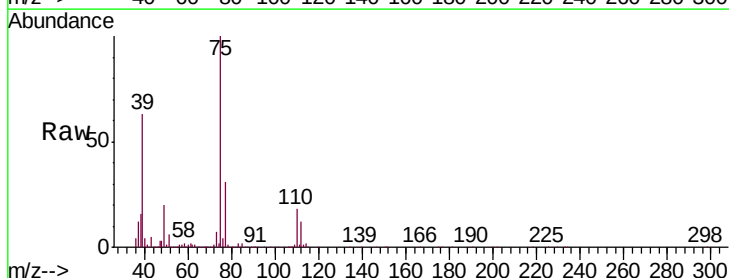
Tgt Ion: 75 Resp: 2728689

Ion Ratio Lower Upper

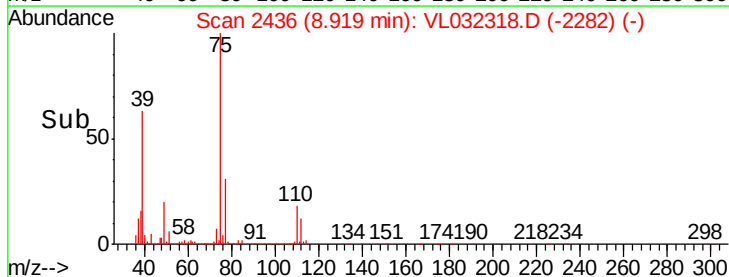
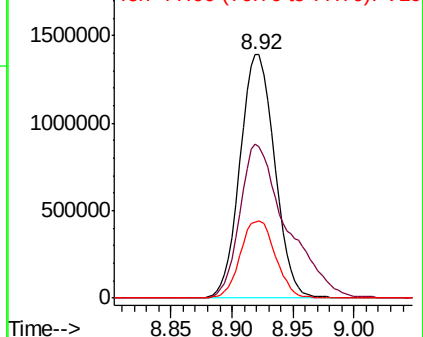
75 100

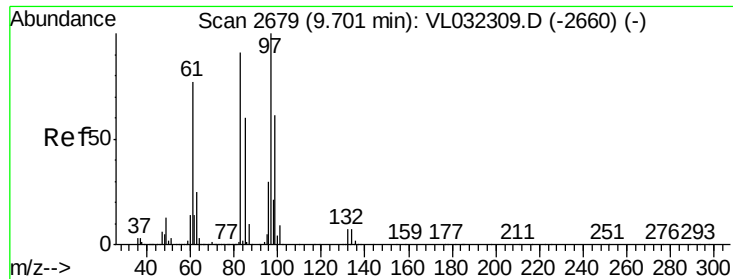
39 63.3 50.9 76.3

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0
Ion 39.00 (38.70 to 39.70): VL0
Ion 77.00 (76.70 to 77.70): VL0



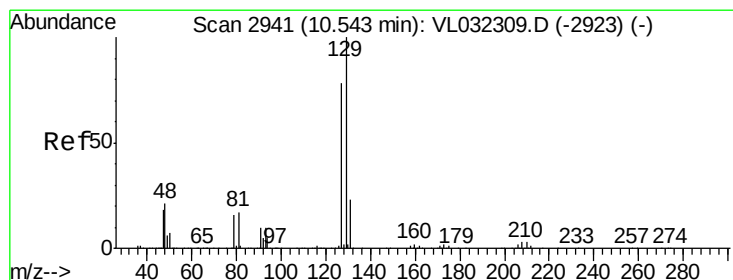
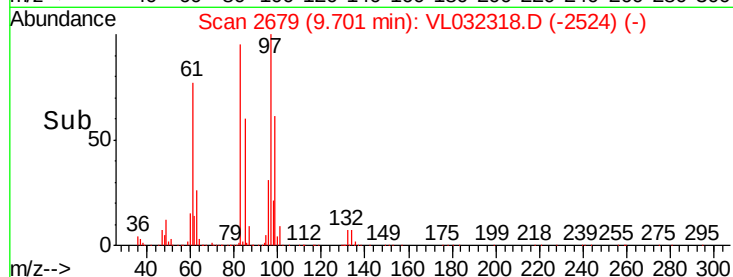
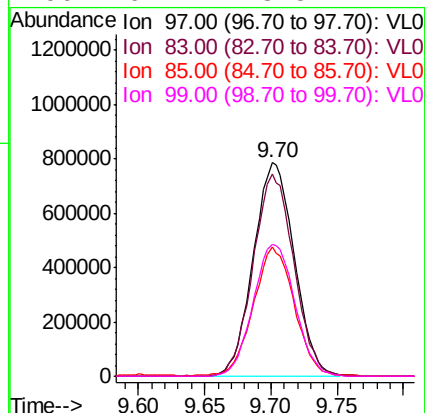
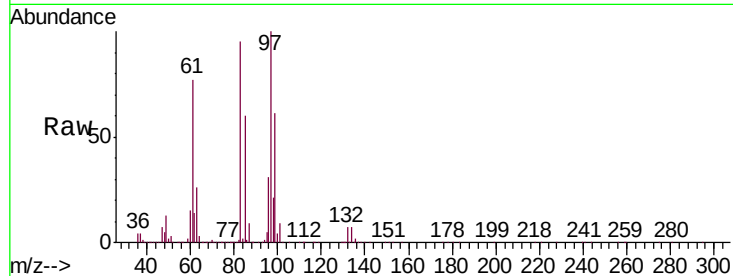


#47
 1,1,2-Trichloroethane
 Concen: 9.348 ppbv
 RT: 9.70 min Scan# 2679
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1696936

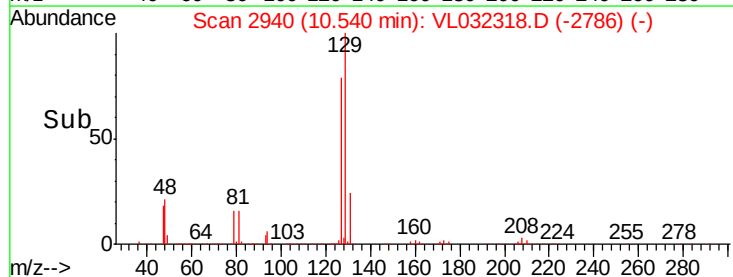
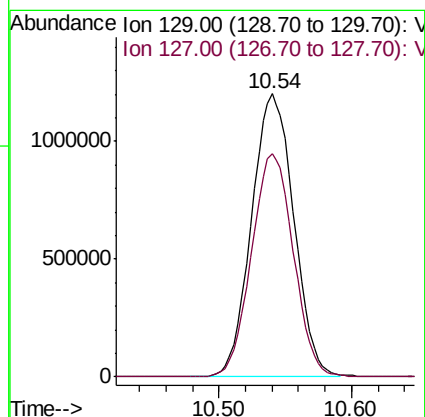
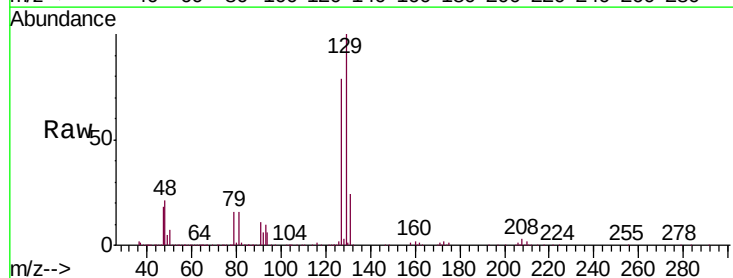
Ion	Ratio	Lower	Upper
97	100		
83	94.8	73.0	109.6
85	60.0	48.1	72.1
99	61.4	48.5	72.7

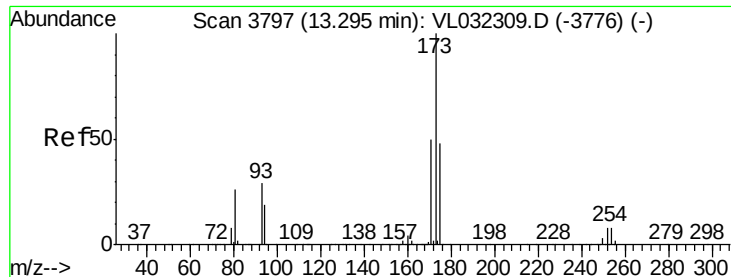


#48
 Dibromochloromethane
 Concen: 9.939 ppbv
 RT: 10.54 min Scan# 2940
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 129 Resp: 2659317

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.3





#49

Bromoform

Concen: 9.859 ppbv

RT: 13.29 min Scan# 3796

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

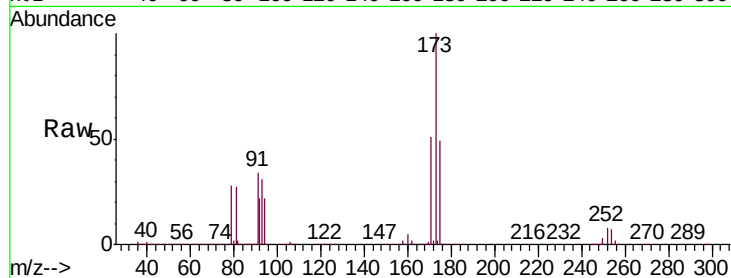
Tot Ion:173 Resp: 2172208

Ion Ratio Lower Upper

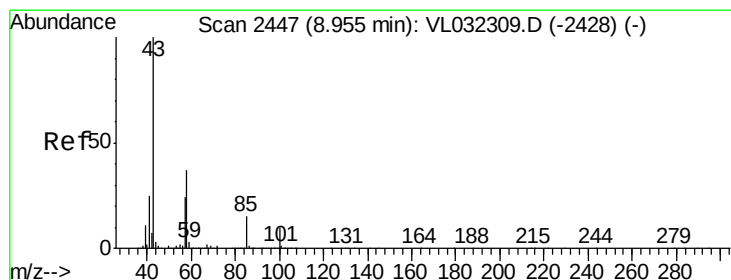
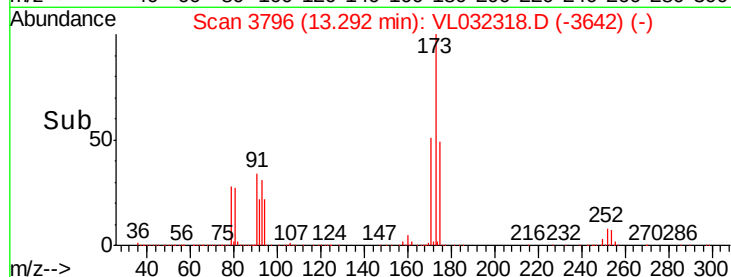
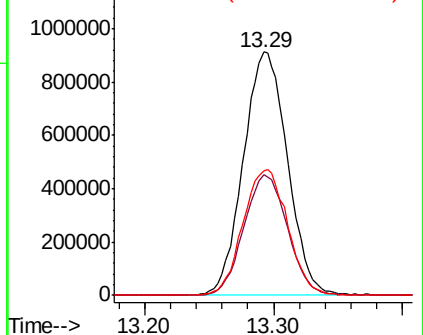
173 100

175 49.5 38.9 58.3

171 52.4 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: 10.153 ppbv

RT: 8.95 min Scan# 2446

Delta R.T. -0.00 min

Lab File: VL032318.D

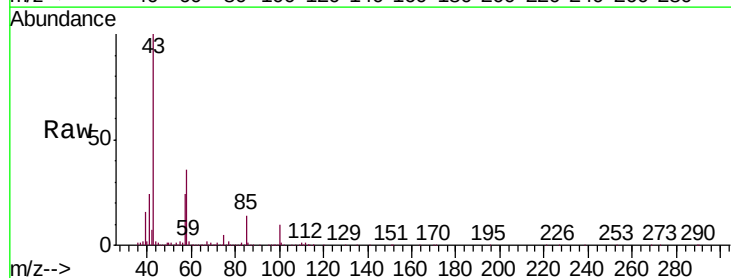
Acq: 27 Jul 2018 13:34

Tgt Ion: 43 Resp: 4882964

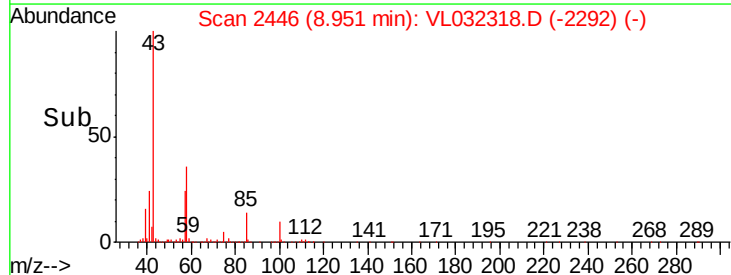
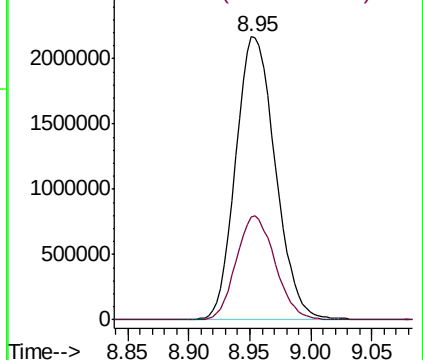
Ion Ratio Lower Upper

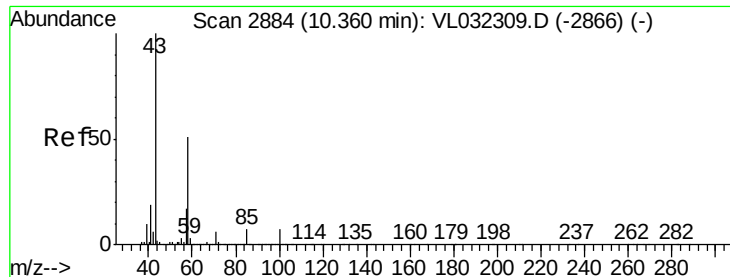
43 100

58 36.2 28.9 43.3



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

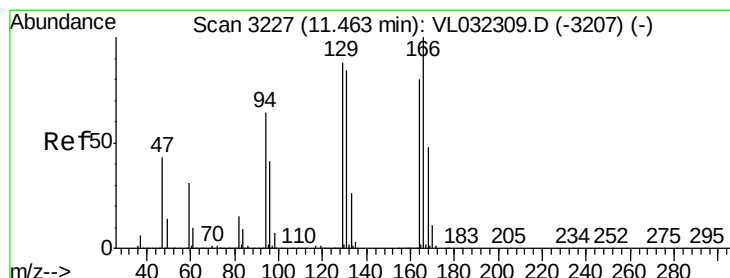
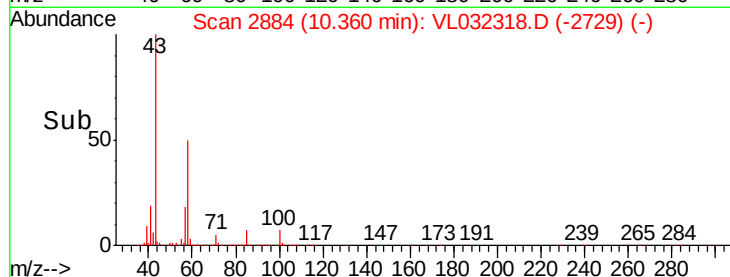
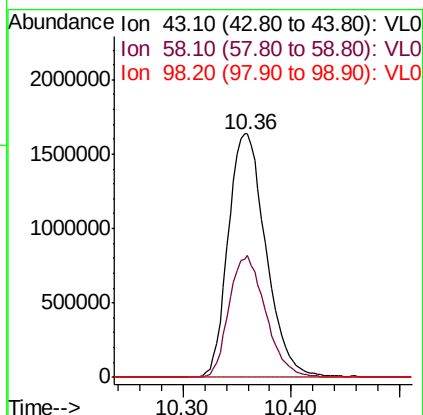
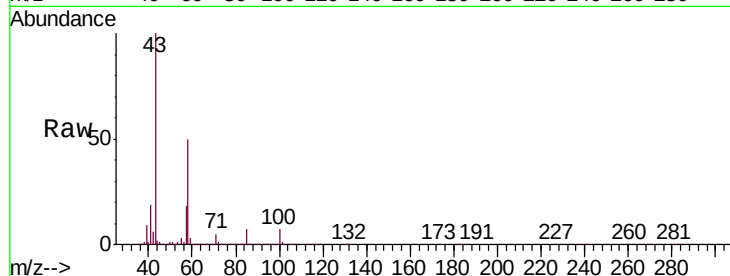




#51
2-Hexanone
Concen: 10.828 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

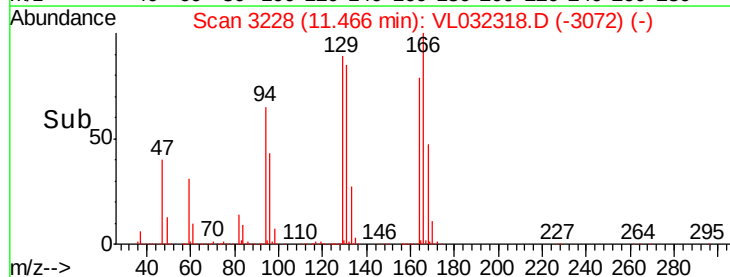
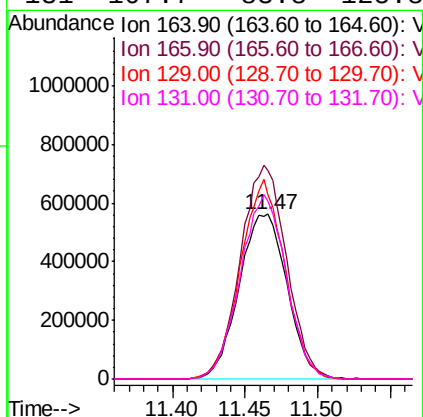
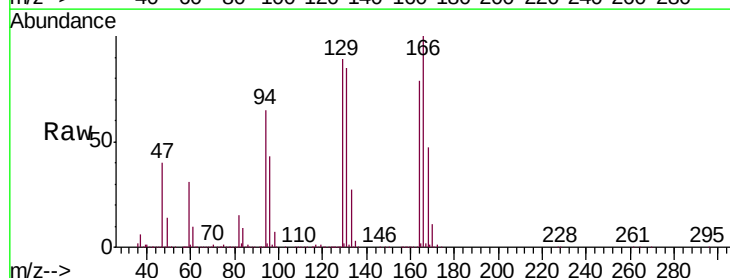
Instrument :
MSVOA_L
ClientSampleId :

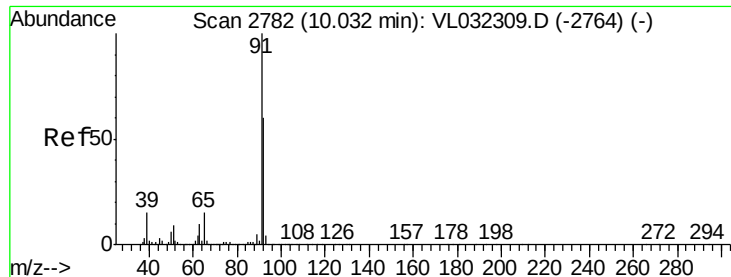
Tot Ion: 43 Resp: 3968081
Ion Ratio Lower Upper
43 100
58 48.7 39.1 58.7
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.315 ppbv
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion:164 Resp: 1290193
Ion Ratio Lower Upper
164 100
166 126.2 100.0 150.0
129 111.9 87.9 131.9
131 107.7 83.8 125.8





#53

Toluene

Concen: 10.954 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

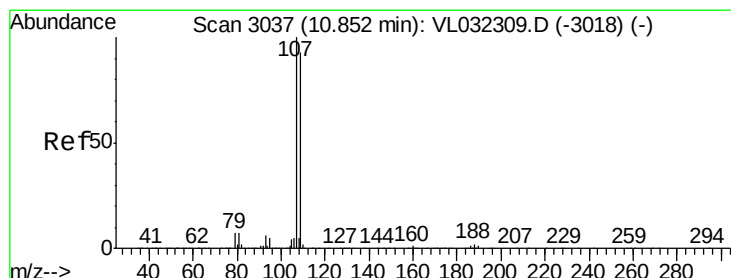
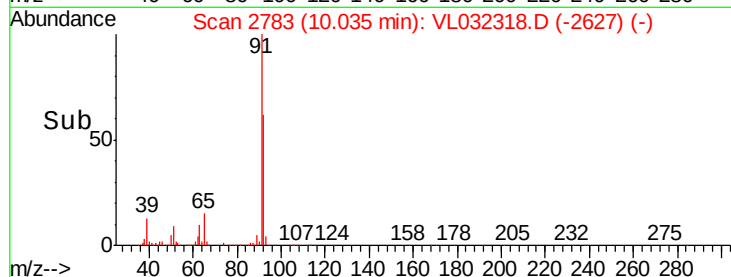
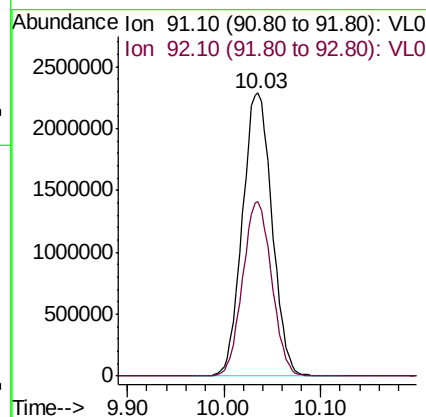
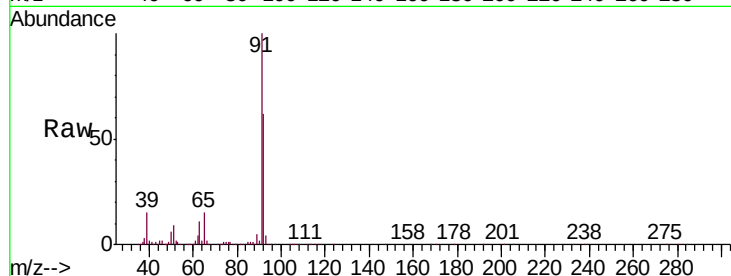
ClientSampleId :

Tot Ion: 91 Resp: 4860593

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.943 ppbv

RT: 10.85 min Scan# 3036

Delta R.T. -0.00 min

Lab File: VL032318.D

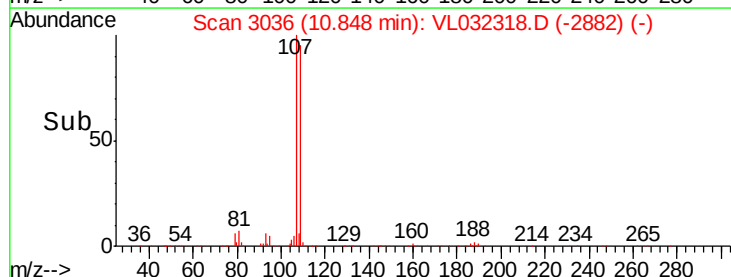
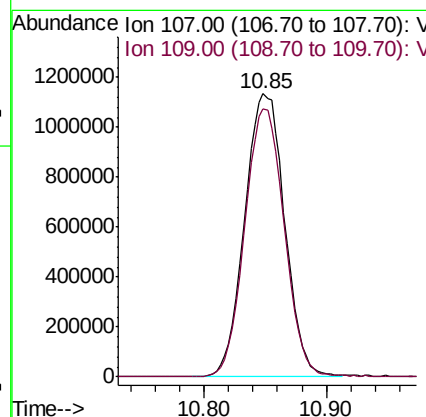
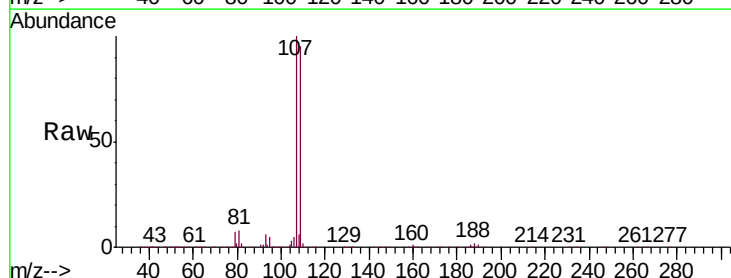
Acq: 27 Jul 2018 13:34

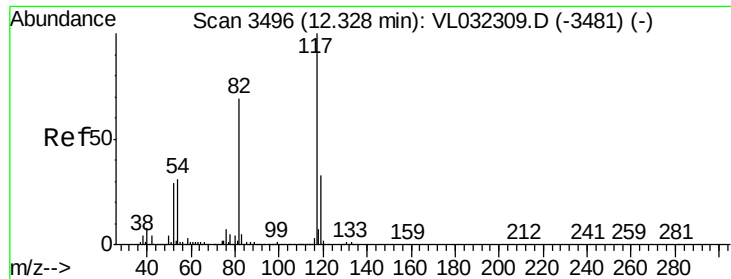
Tgt Ion: 107 Resp: 2564840

Ion Ratio Lower Upper

107 100

109 94.7 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.33 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampled :

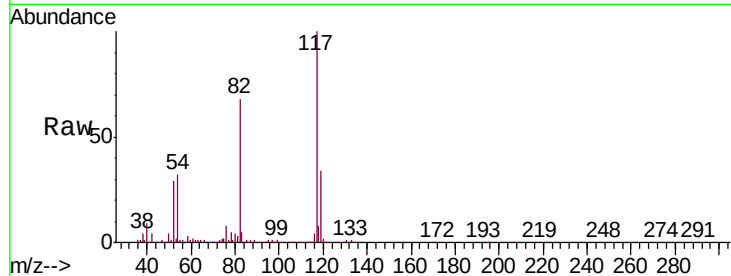
Tot Ion:117 Resp: 6205492

Ion Ratio Lower Upper

117 100

82 56.5 52.6 78.8

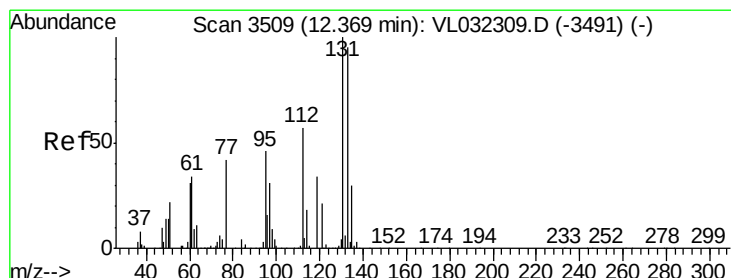
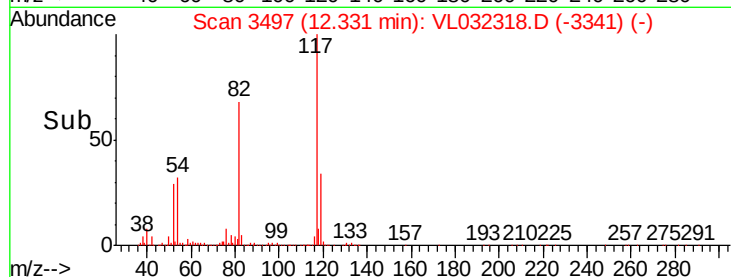
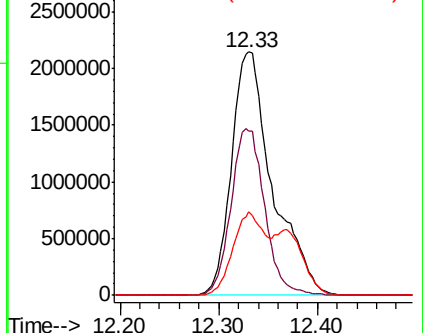
119 45.8 25.7 38.5#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.496 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

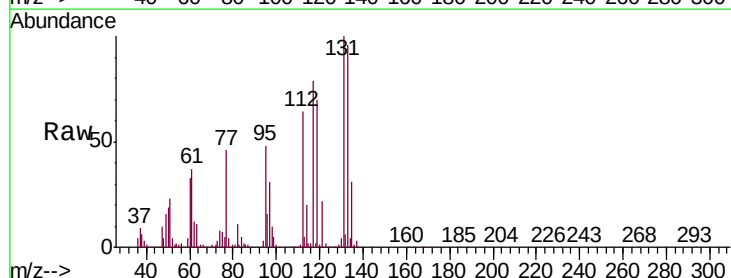
Tgt Ion:131 Resp: 1917944

Ion Ratio Lower Upper

131 100

133 95.9 75.8 113.6

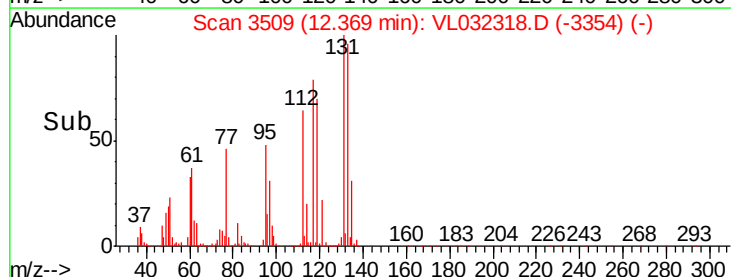
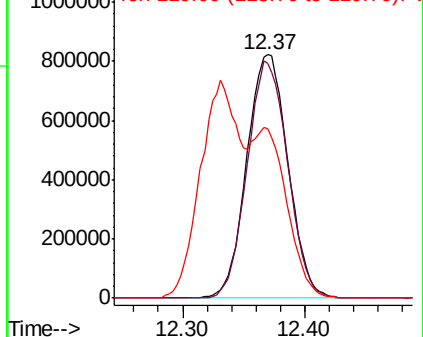
119 148.1 48.1 72.1#

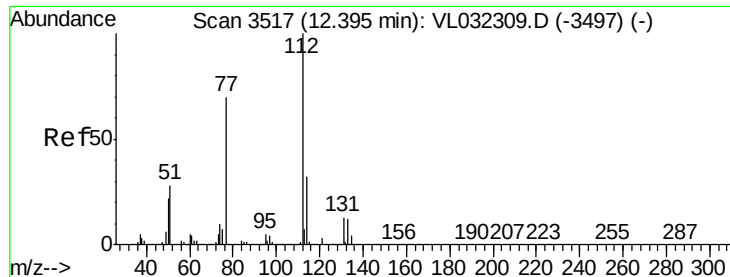


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.280 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

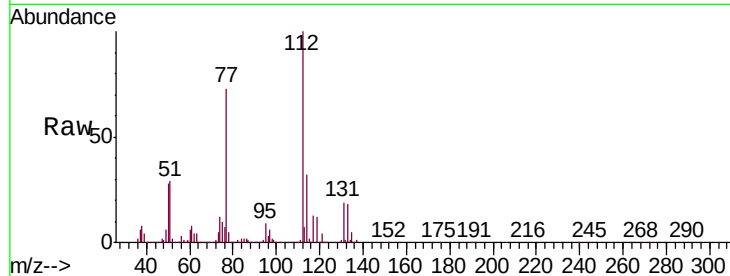
Tot Ion:112 Resp: 3512880

Ion Ratio Lower Upper

112 100

77 72.4 56.5 84.7

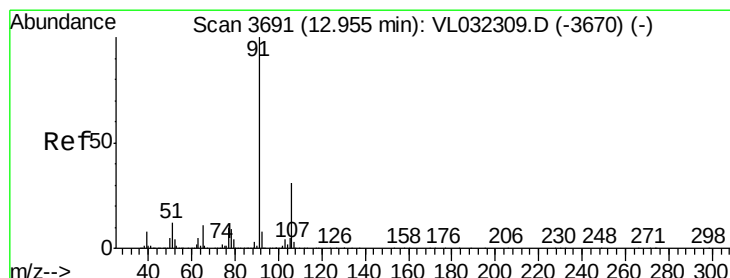
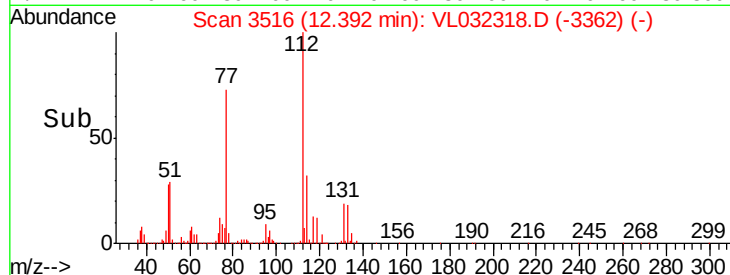
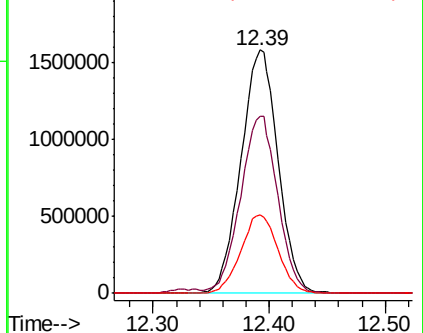
114 32.1 28.4 34.7



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: 8.315 ppbv

RT: 12.95 min Scan# 3690

Delta R.T. -0.00 min

Lab File: VL032318.D

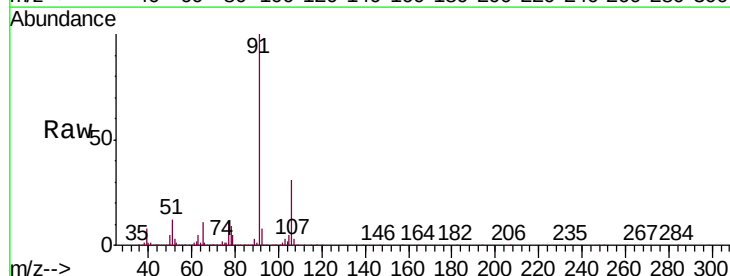
Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 6468805

Ion Ratio Lower Upper

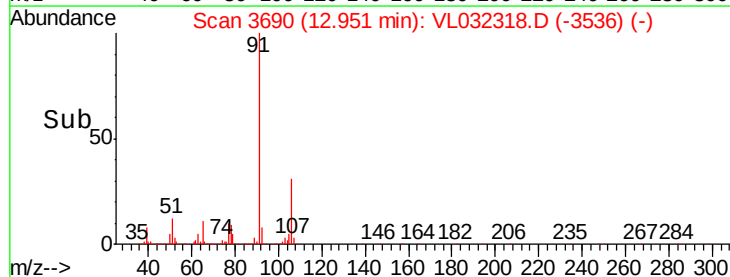
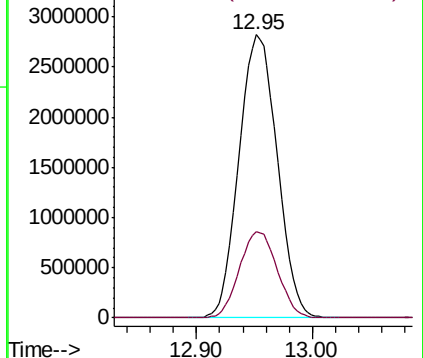
91 100

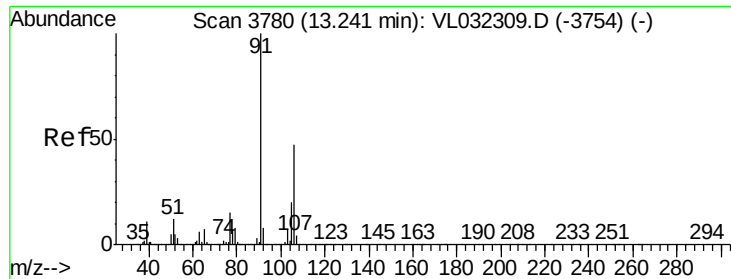
106 30.6 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

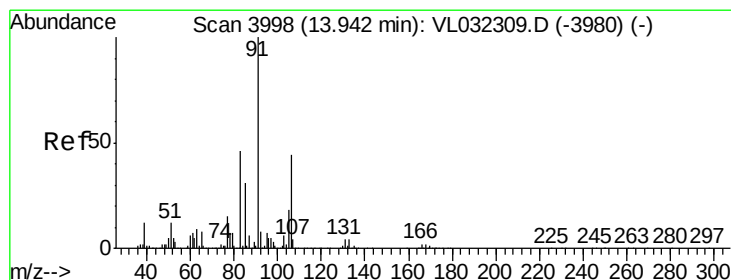
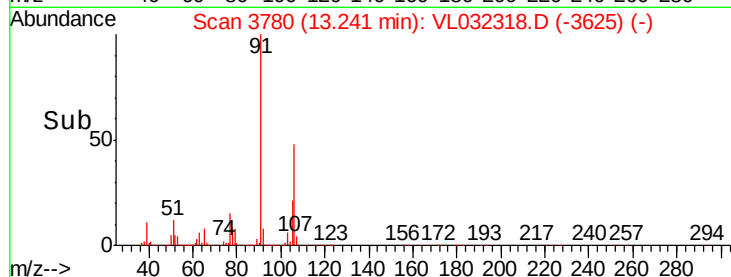
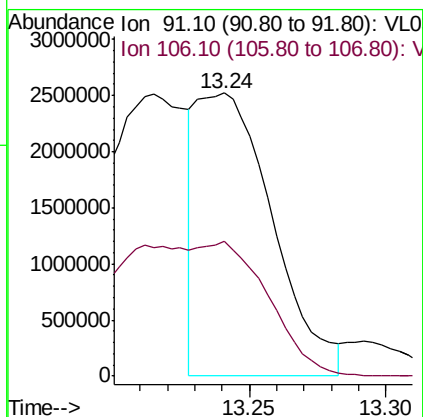
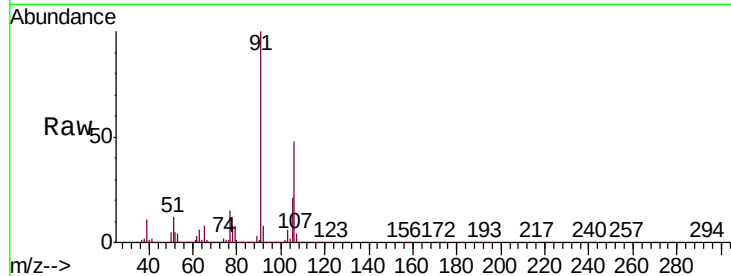




#59
m/p-Xylene
Concen: 7.286 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

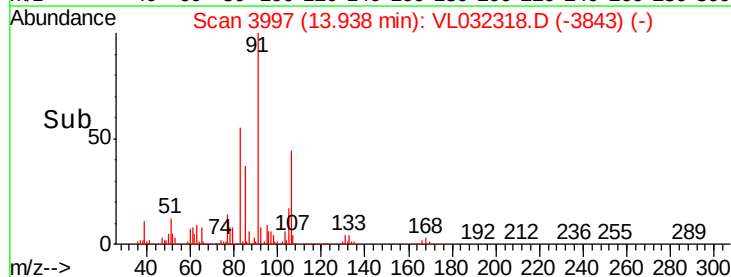
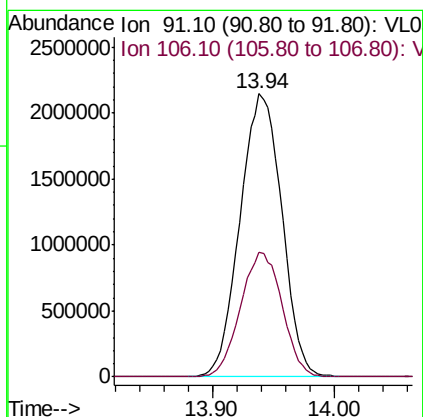
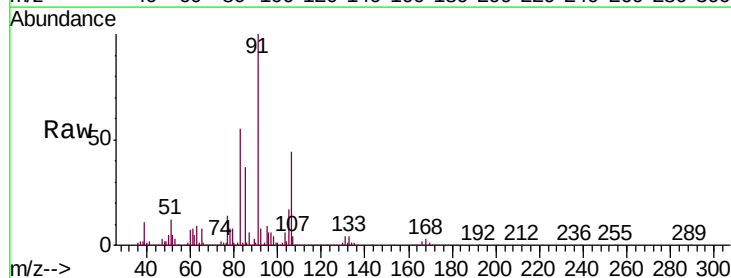
Instrument :
MSVOA_L
ClientSampled :

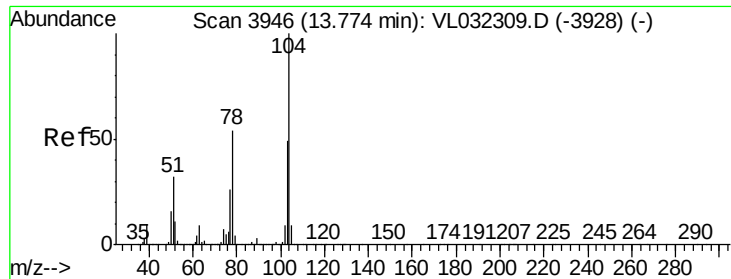
Tot Ion: 91 Resp: 4826349
Ion Ratio Lower Upper
91 100
106 98.6 36.4 54.6#



#60
o-Xylene
Concen: 7.808 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 5070343
Ion Ratio Lower Upper
91 100
106 44.1 22.4 67.0

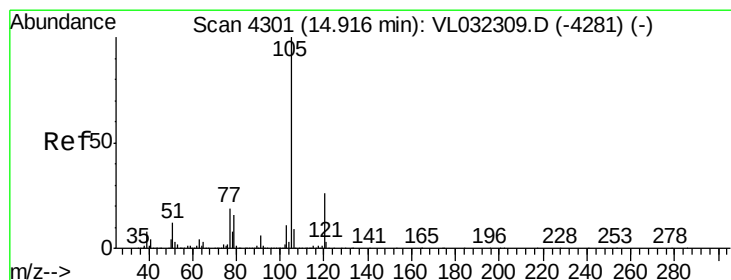
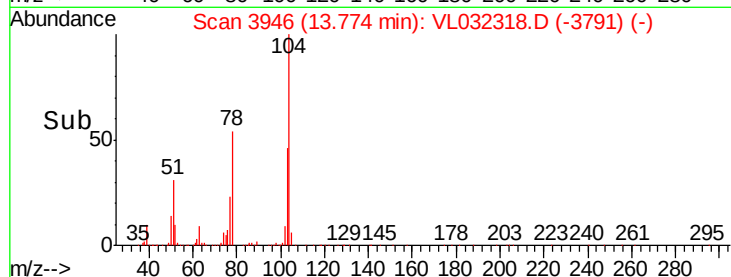
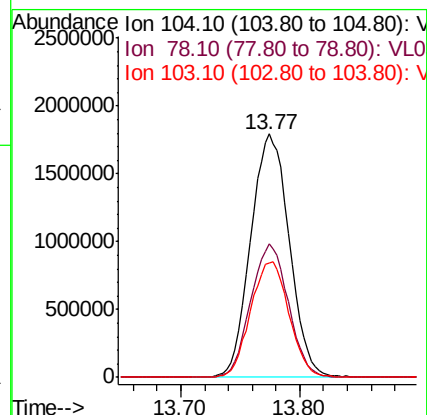
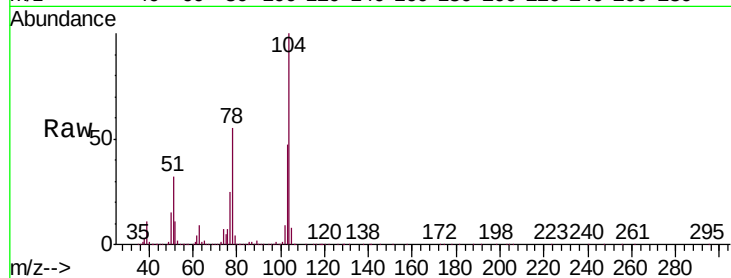




#61
Stvrene
Concen: 8.420 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

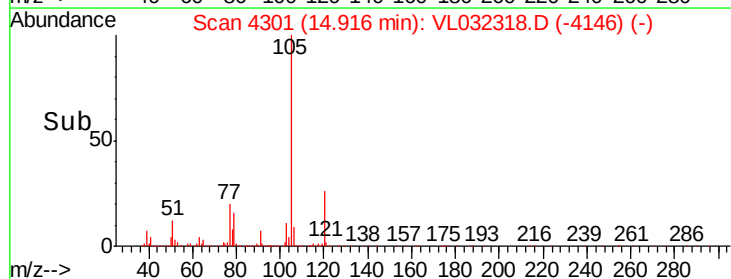
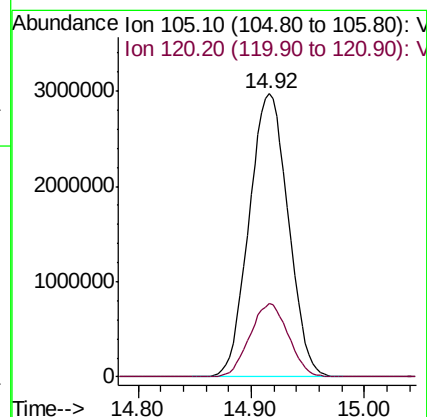
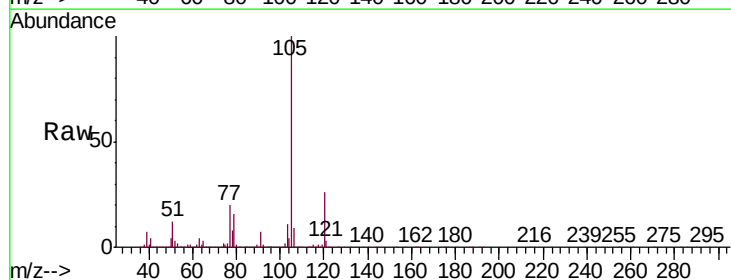
Instrument :
MSVOA_L
ClientSampled :

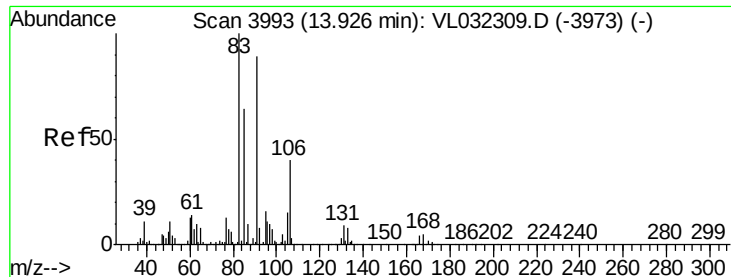
Tot Ion:104 Resp: 4024471
Ion Ratio Lower Upper
104 100
78 53.7 42.6 63.8
103 47.4 38.0 57.0



#62
Isopropylbenzene
Concen: 7.753 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion:105 Resp: 7153526
Ion Ratio Lower Upper
105 100
120 25.6 20.4 30.6

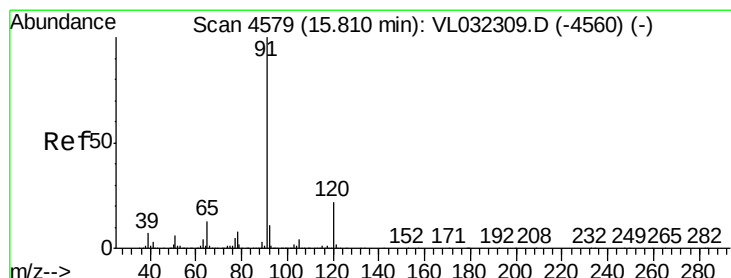
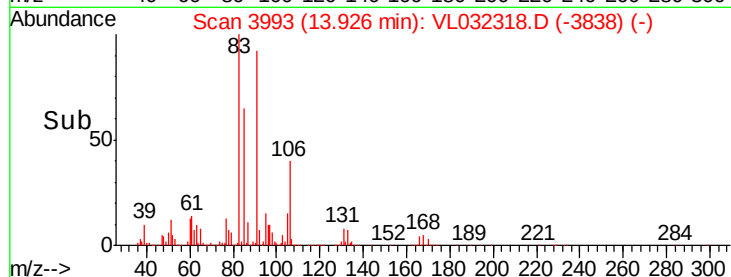
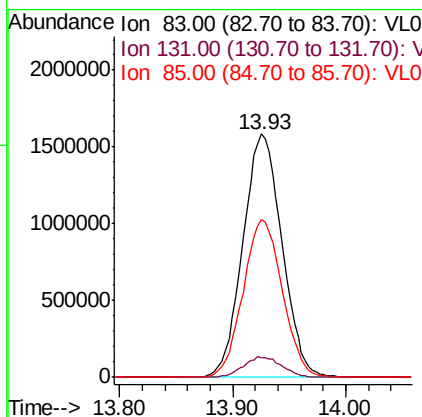
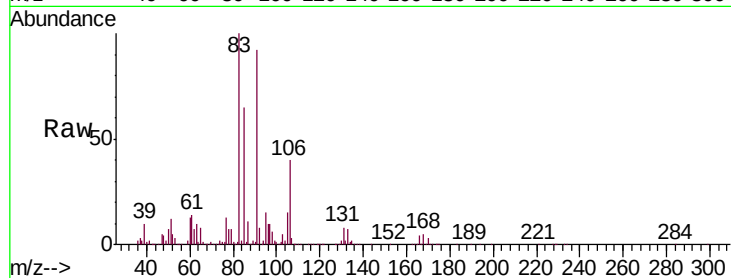




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.215 ppbv
 RT: 13.93 min Scan# 3993
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

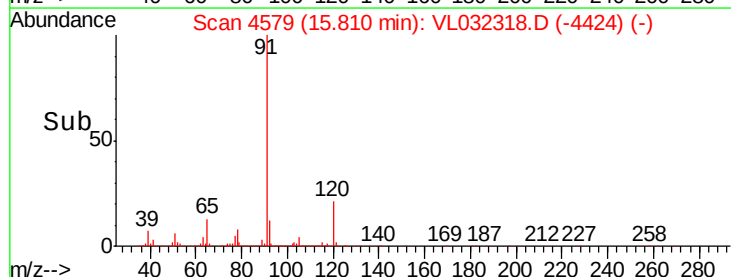
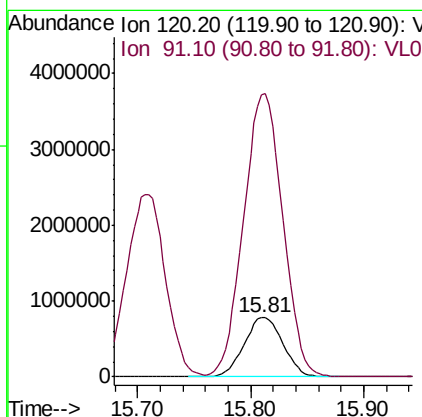
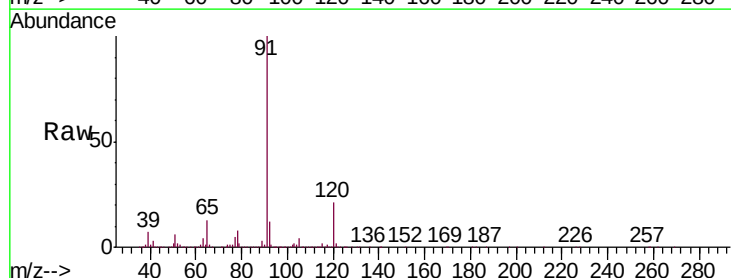
Instrument :
 MSVOA_L
 ClientSampleId :

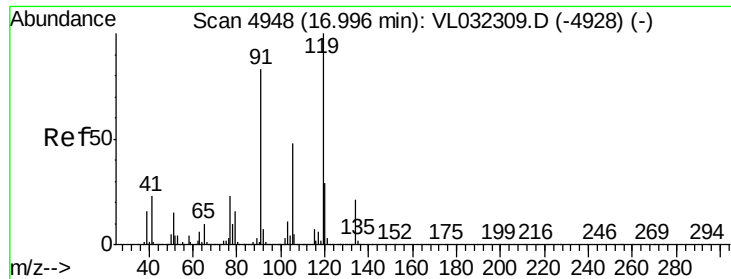
Tot Ion: 83 Resp: 3812720
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.3 12.8
 85 65.1 32.6 97.7



#64
 n-propylbenzene
 Concen: 7.771 ppbv
 RT: 15.81 min Scan# 4579
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion:120 Resp: 1866492
 Ion Ratio Lower Upper
 120 100
 91 483.7 381.8 572.8

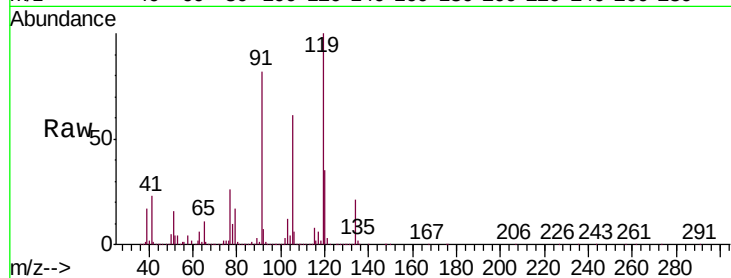




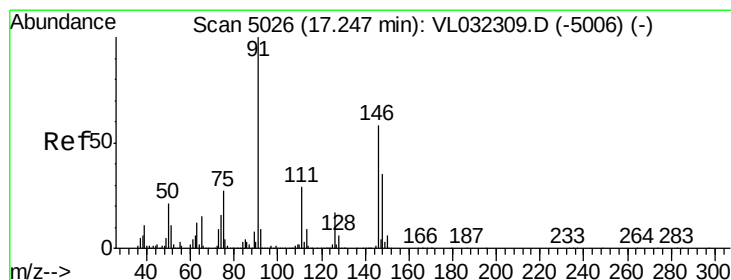
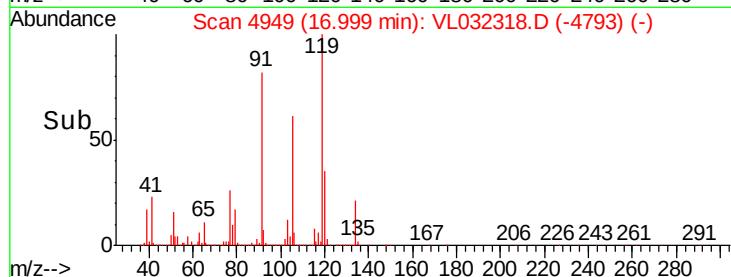
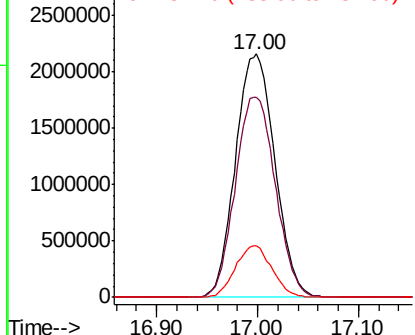
#65
tert-Butylbenzene
Concen: 7.508 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. 0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:119 Resp: 5852254
Ion Ratio Lower Upper
119 100
91 84.0 67.5 101.3
134 19.6 15.8 23.6

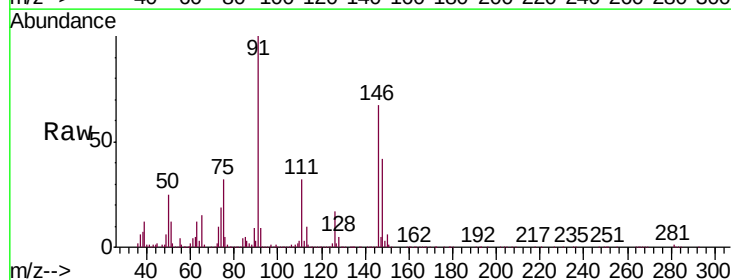


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

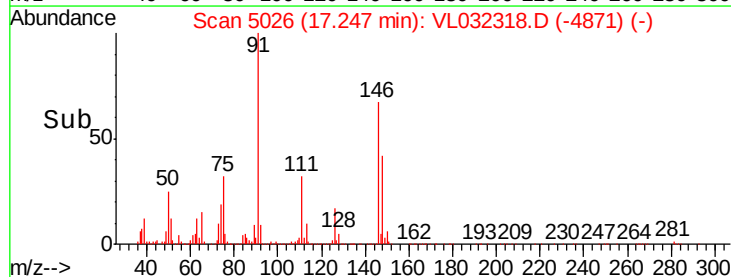
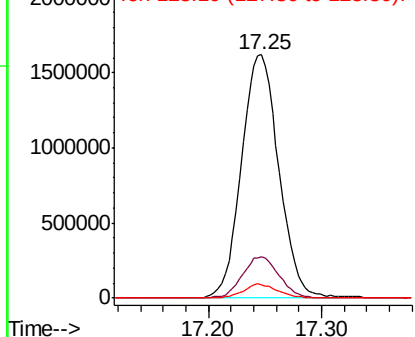


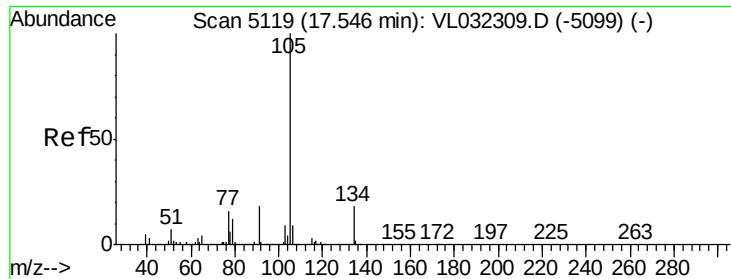
#66
Benzyl Chloride
Concen: 7.985 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032318.D
Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 3709914
Ion Ratio Lower Upper
91 100
126 16.9 13.7 20.5
128 5.4 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.525 ppbv

RT: 17.55 min Scan# 5119

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

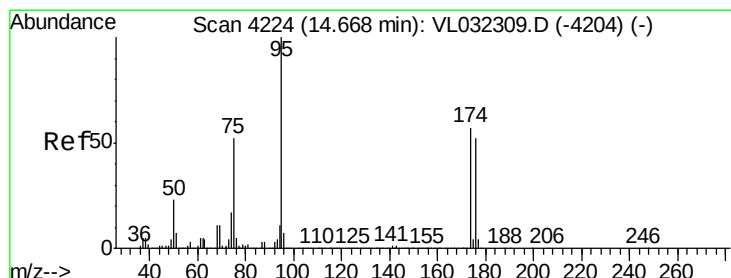
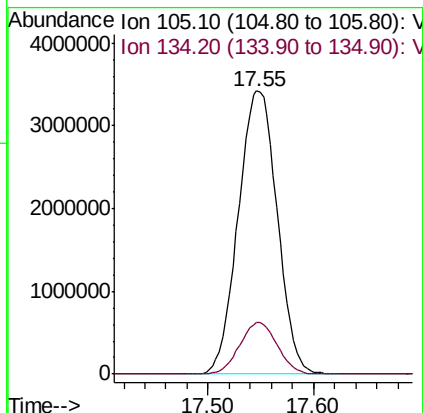
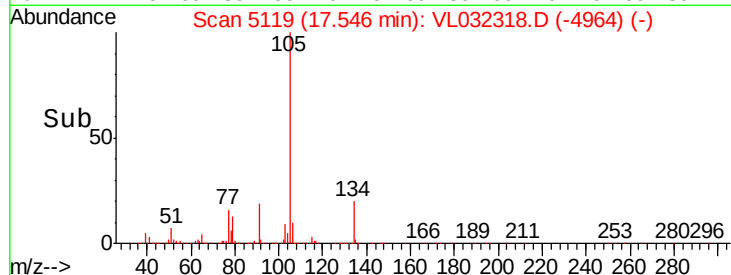
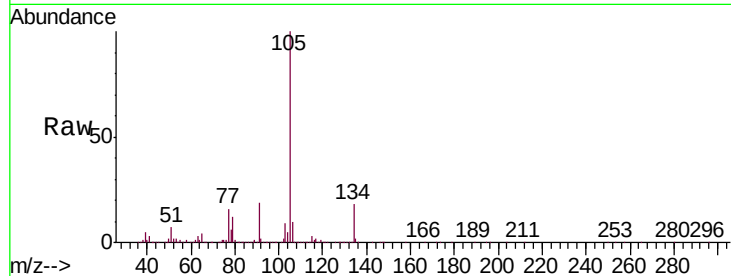
ClientSampleId :

Tot Ion:105 Resp: 8783075

Ion Ratio Lower Upper

105 100

134 17.7 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.394 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

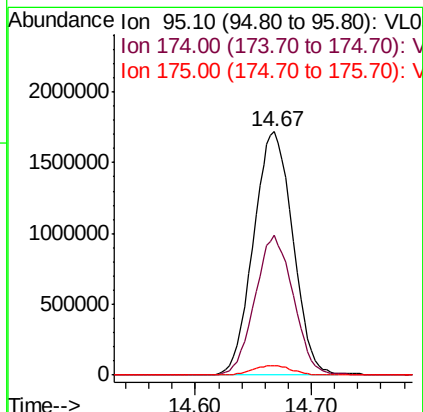
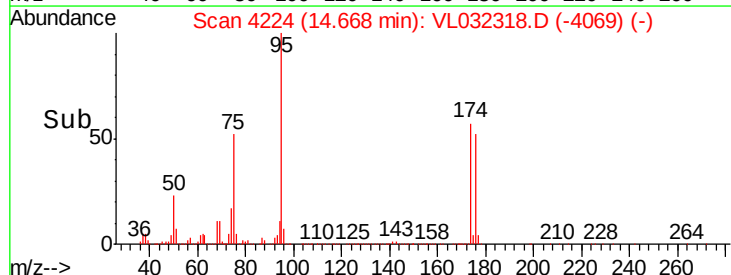
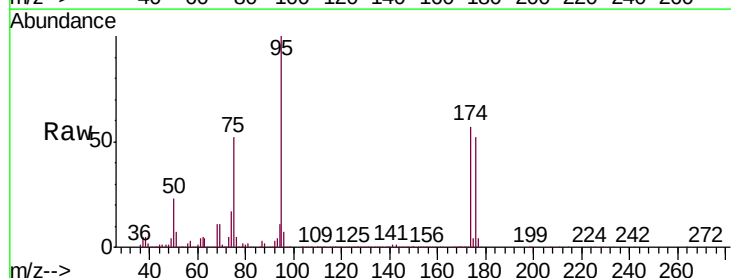
Tgt Ion: 95 Resp: 4043109

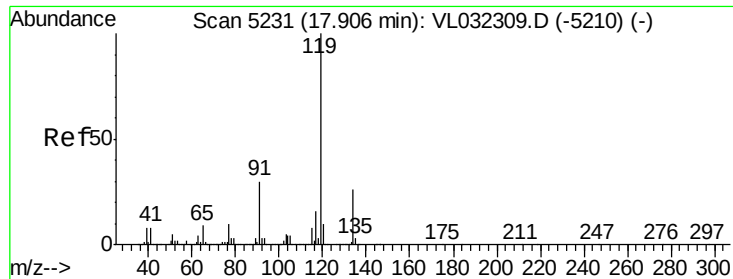
Ion Ratio Lower Upper

95 100

174 56.5 45.5 68.3

175 4.0 3.3 4.9



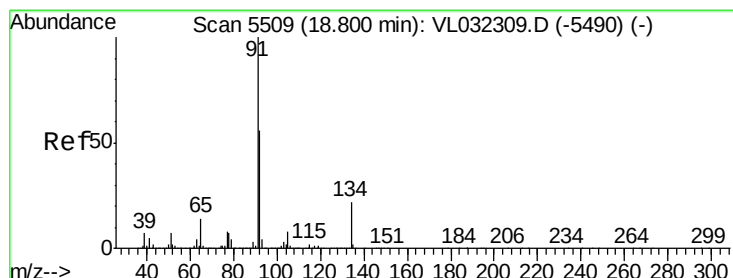
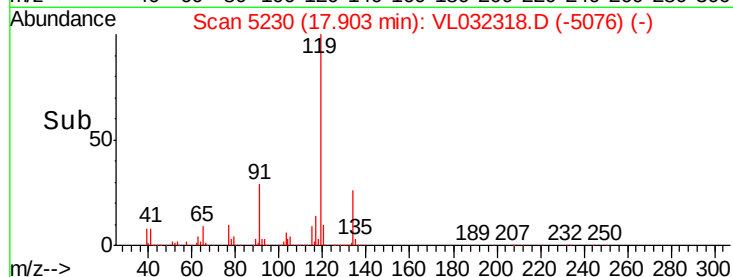
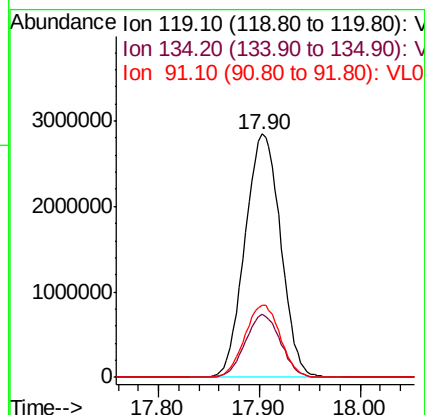
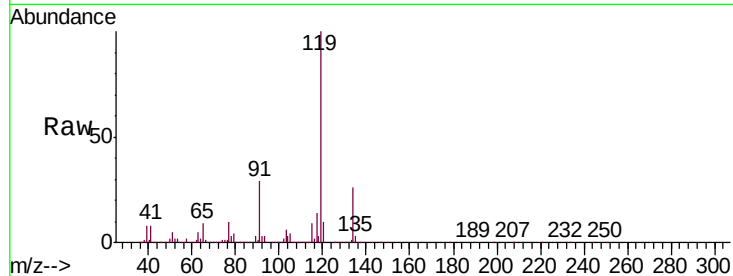


#69
 p-Isopropyltoluene
 Concen: 7.716 ppbv
 RT: 17.90 min Scan# 5230
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6978327

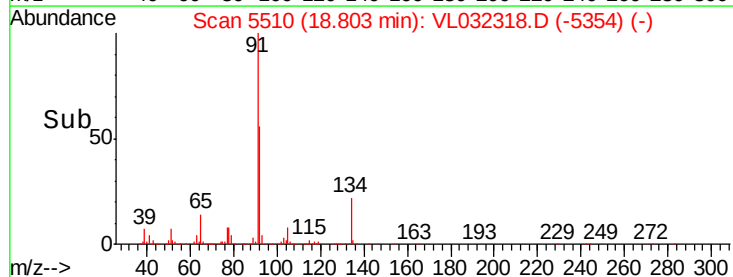
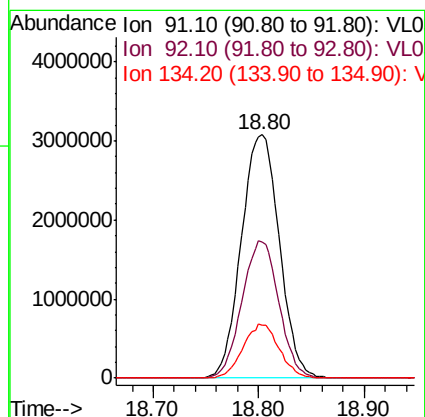
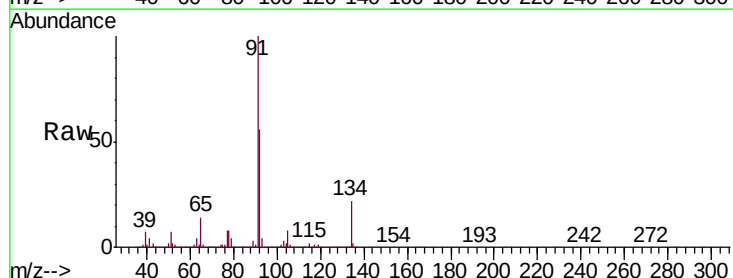
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	29.6	23.8	35.6

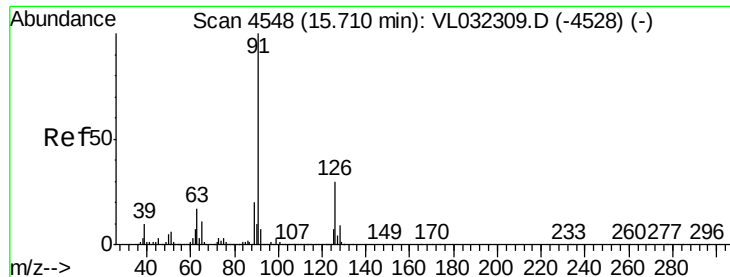


#70
 n-Butylbenzene
 Concen: 7.383 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. 0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion: 91 Resp: 7708926

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.2	66.4
134	21.2	17.4	26.2





#71

2-Chlorotoluene

Concen: 7.960 ppbv

RT: 15.71 min Scan# 4547

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

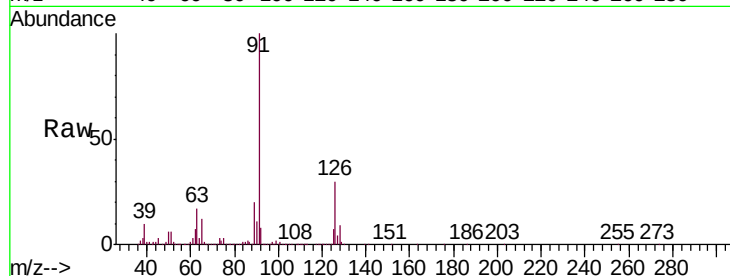
ClientSampleId :

Tot Ion: 91 Resp: 5763121

Ion Ratio Lower Upper

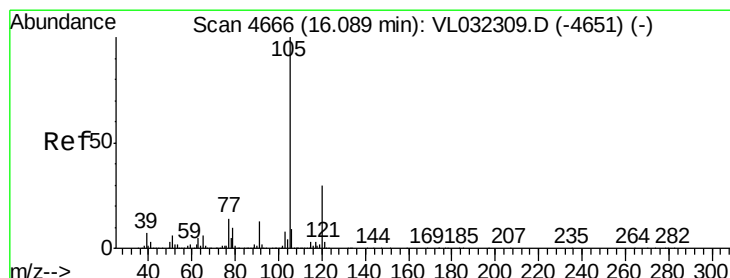
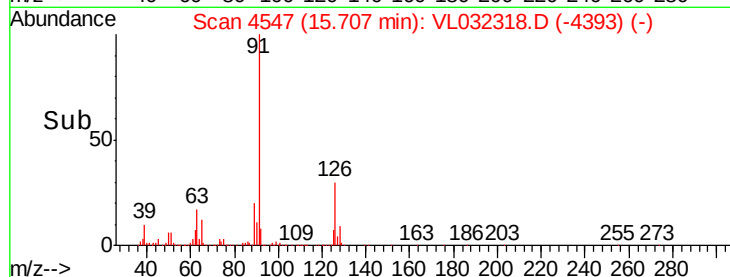
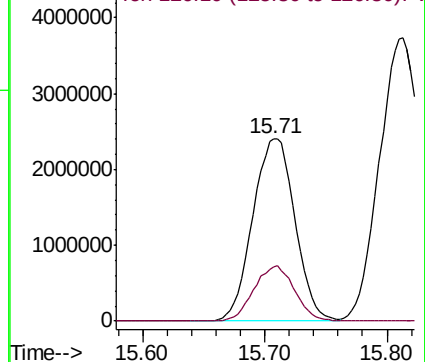
91 100

126 29.3 11.8 47.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.153 ppbv

RT: 16.09 min Scan# 4666

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion:105 Resp: 5933920

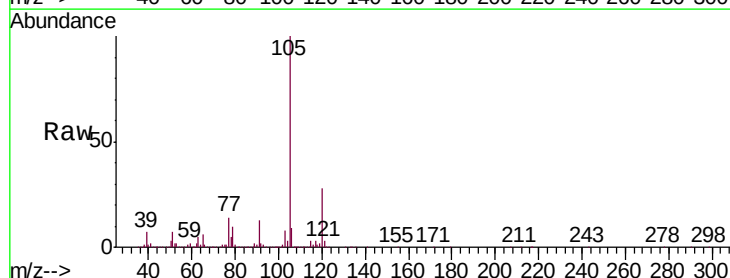
Ion Ratio Lower Upper

105 100

120 28.8 23.1 34.7

91 12.6 10.0 15.0

77 14.3 11.5 17.3

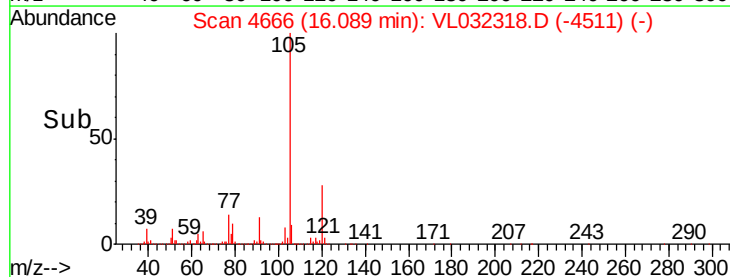
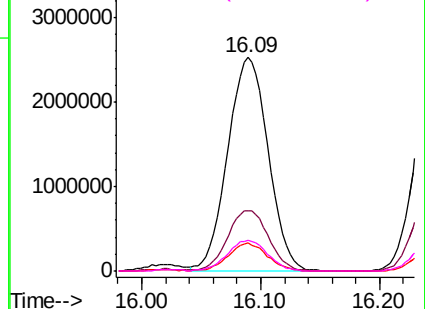


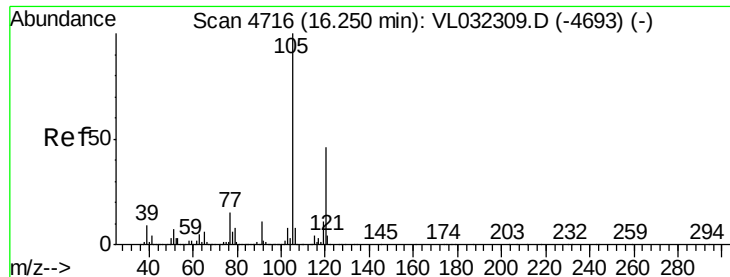
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.868 ppbv

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

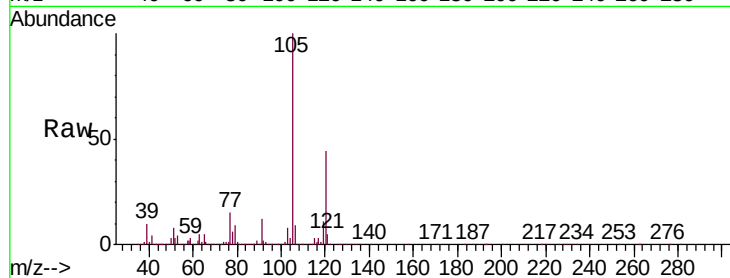
ClientSampleId :

Tot Ion:105 Resp: 5636637

Ion Ratio Lower Upper

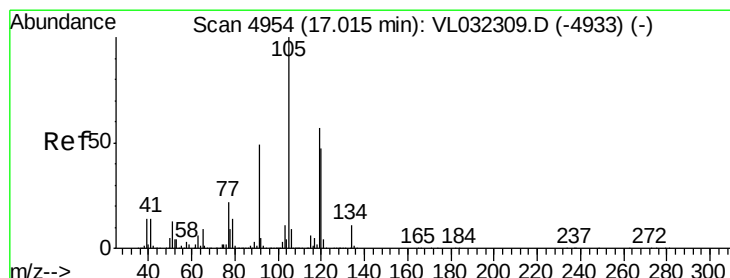
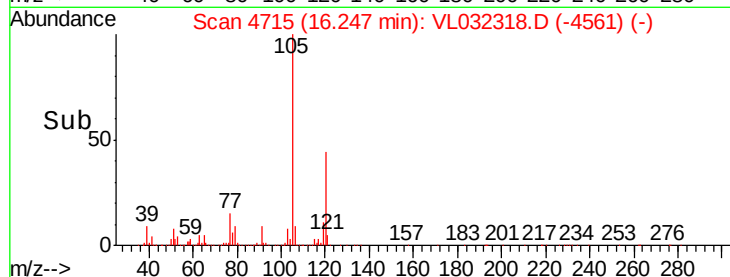
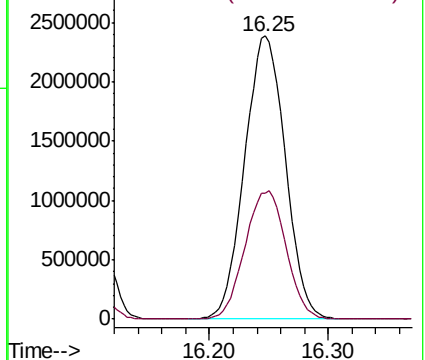
105 100

120 44.3 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: 7.304 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. 0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Tgt Ion:105 Resp: 5516290

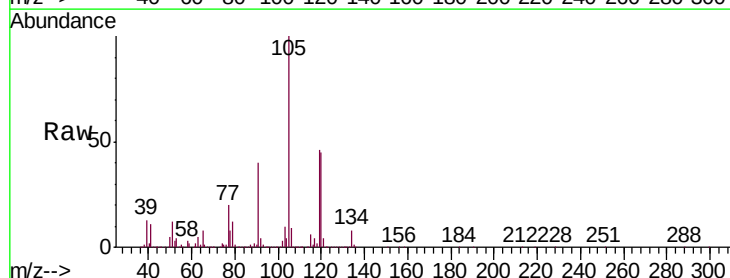
Ion Ratio Lower Upper

105 100

120 44.8 37.8 56.6

91 39.9 39.4 59.0

77 20.0 17.6 26.4

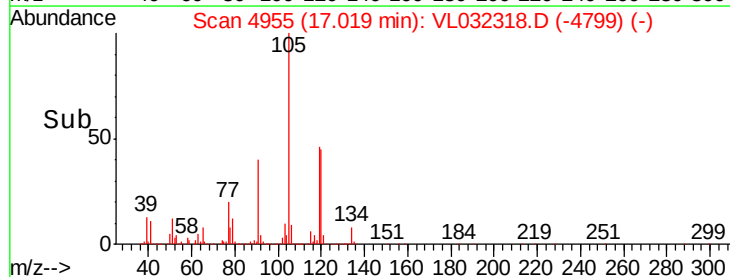
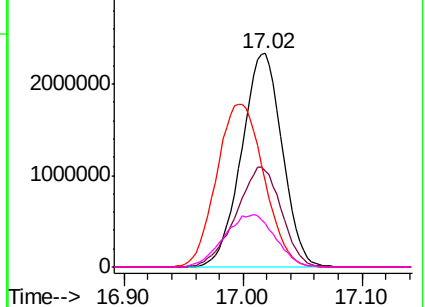


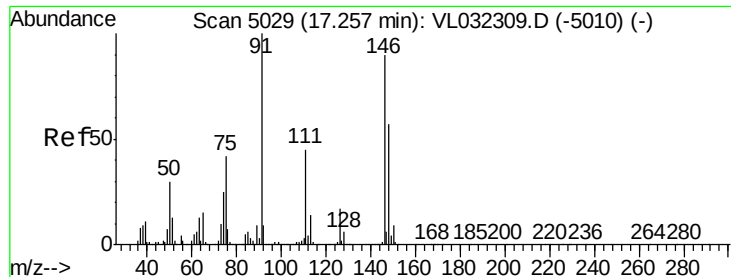
Abundance Ion 105.10 (104.80 to 105.80): V

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



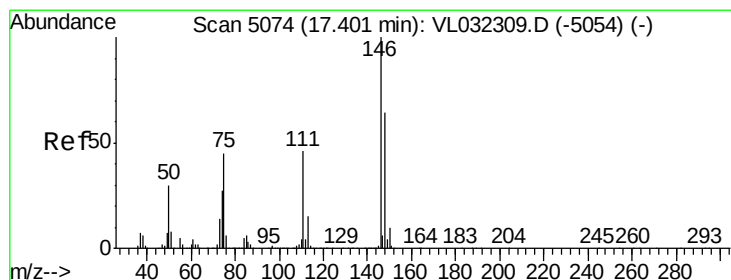
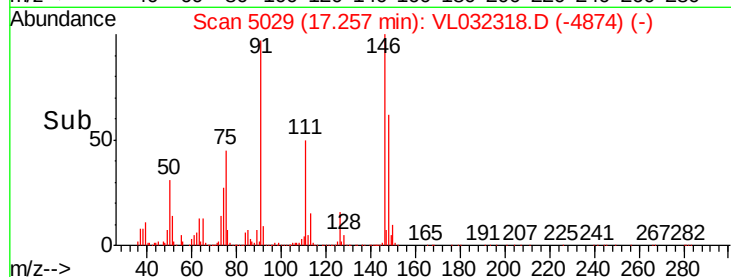
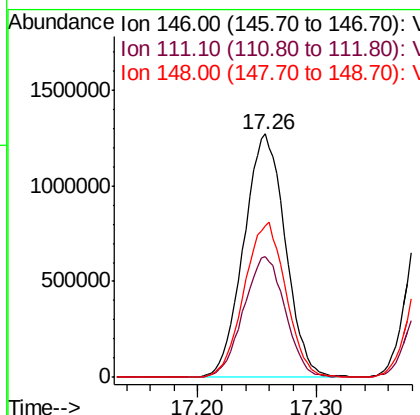
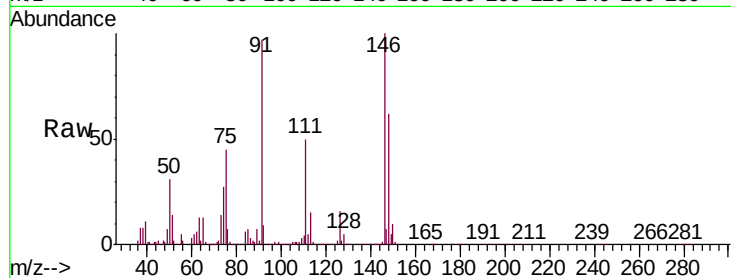


#75
 1,3-Dichlorobenzene
 Concen: 7.016 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:146 Resp: 3068384

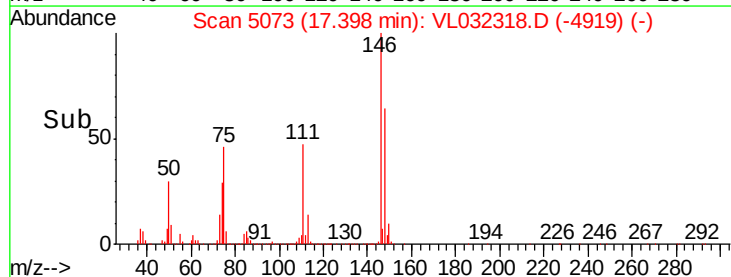
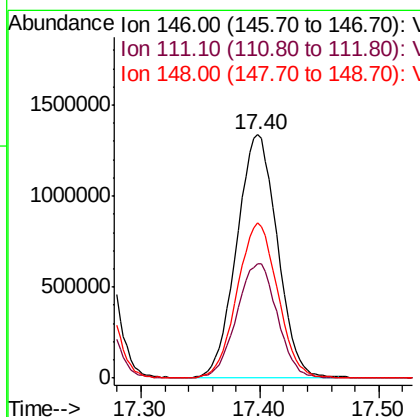
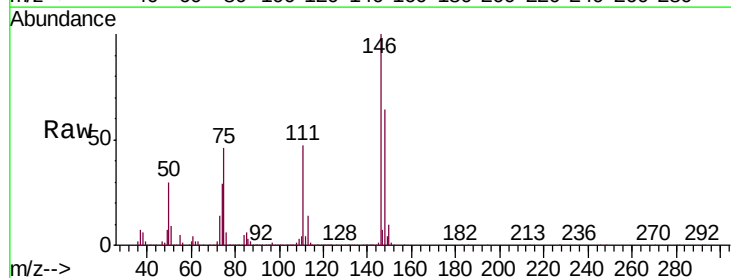
Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.6	73.8
148	63.9	31.6	95.0

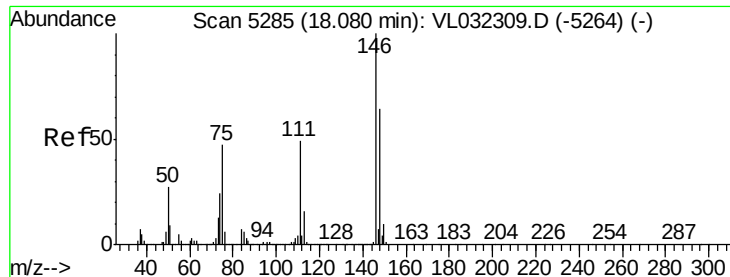


#76
 1,4-Dichlorobenzene
 Concen: 7.472 ppbv
 RT: 17.40 min Scan# 5073
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Tgt Ion:146 Resp: 3135605

Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.6	70.8
148	64.3	32.1	96.3





#77

1,2-Dichlorobenzene

Concen: 7.107 ppbv

RT: 18.08 min Scan# 5285

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

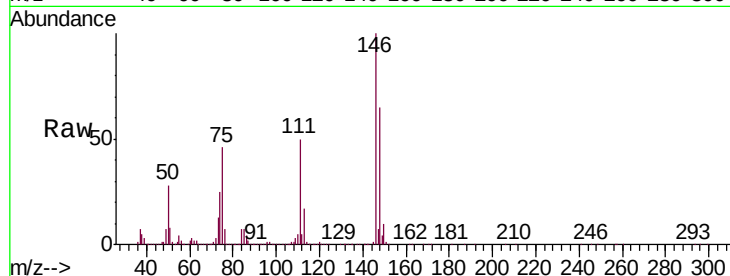
Tot Ion:146 Resp: 3054408

Ion Ratio Lower Upper

146 100

111 50.8 25.1 75.3

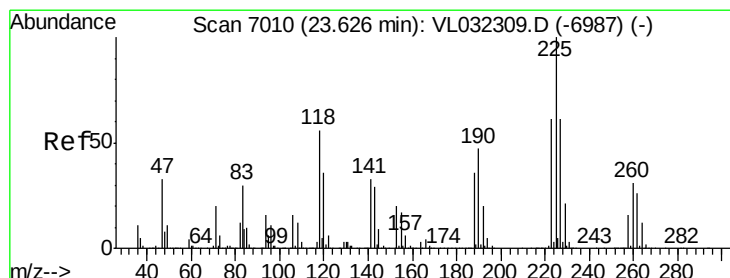
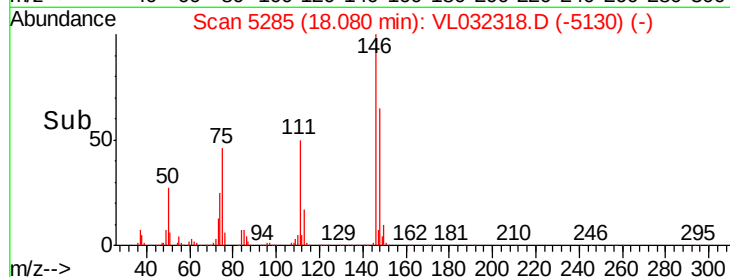
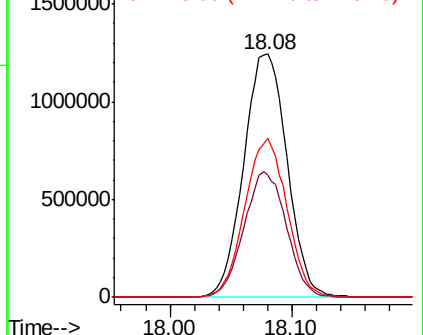
148 63.7 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 5.871 ppbv

RT: 23.63 min Scan# 7010

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

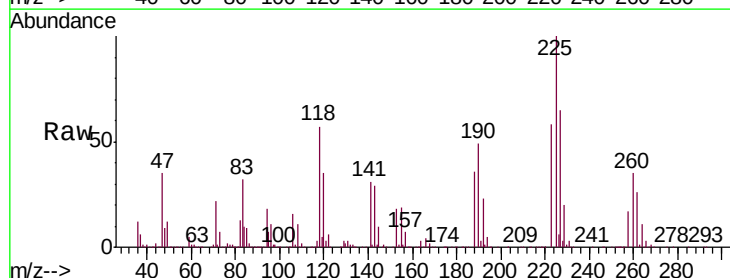
Tgt Ion:225 Resp: 887126

Ion Ratio Lower Upper

225 100

223 63.5 50.5 75.7

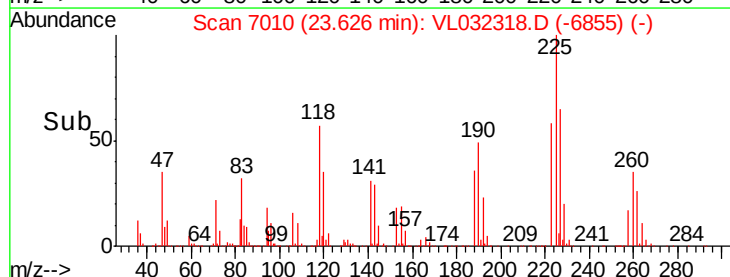
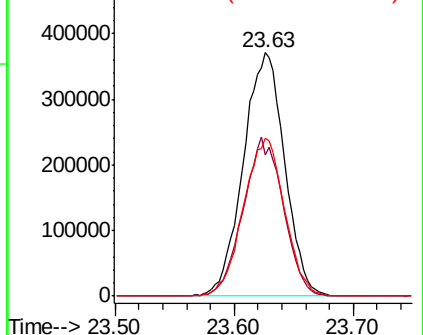
227 65.0 51.3 76.9

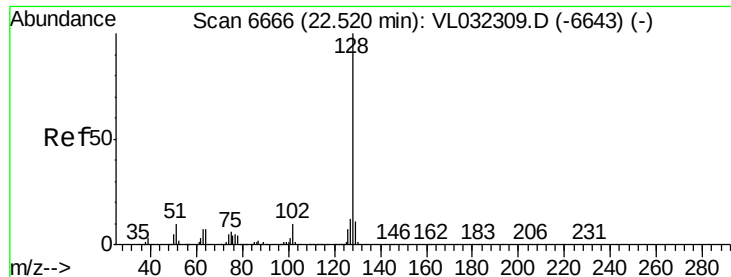


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.047 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

Instrument :

MSVOA_L

ClientSampleId :

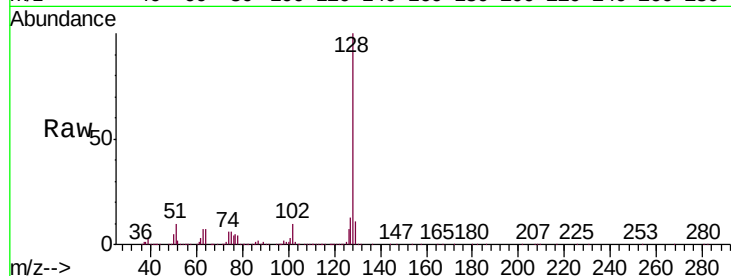
Tot Ion:128 Resp: 5274234

Ion Ratio Lower Upper

128 100

127 12.7 9.9 14.9

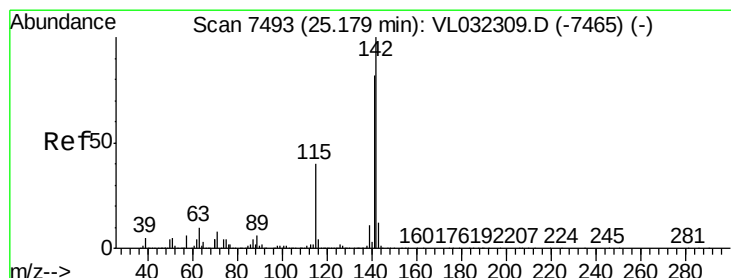
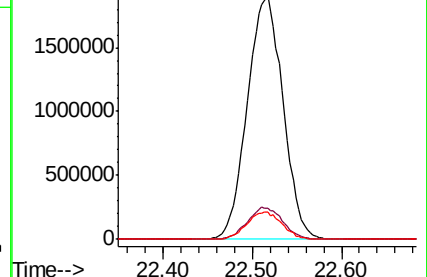
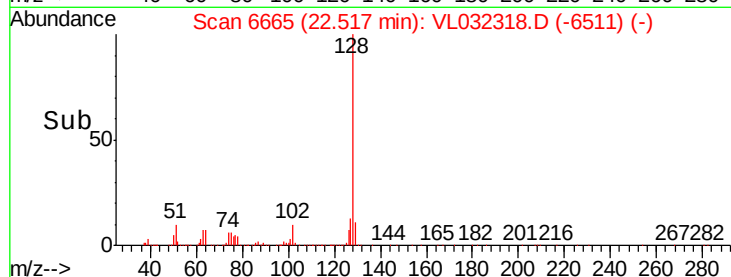
129 11.2 8.8 13.2



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: 8.739 ppbv

RT: 25.18 min Scan# 7492

Delta R.T. -0.00 min

Lab File: VL032318.D

Acq: 27 Jul 2018 13:34

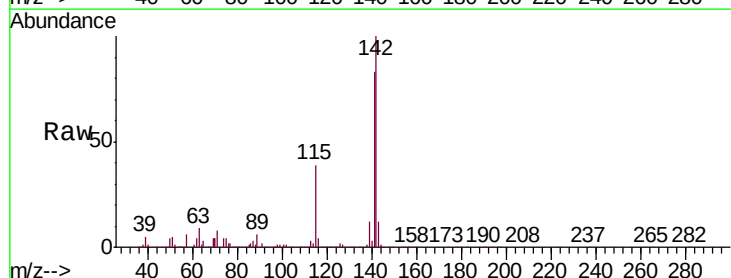
Tgt Ion:142 Resp: 2266539

Ion Ratio Lower Upper

142 100

141 84.4 66.7 100.1

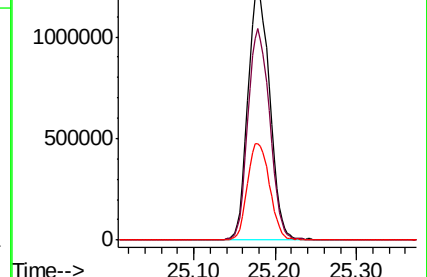
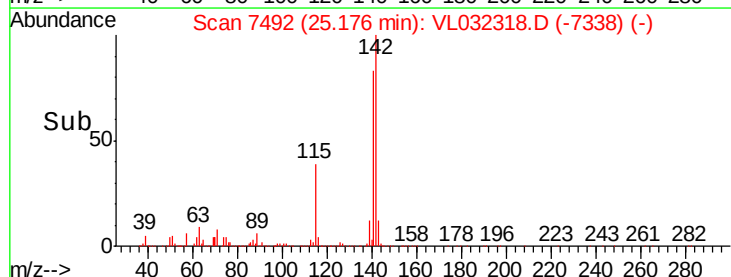
115 39.3 31.1 46.7

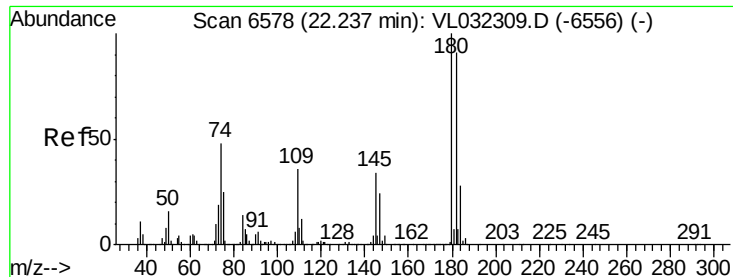


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.613 ppbv
 RT: 22.24 min Scan# 6578
 Delta R.T. -0.00 min
 Lab File: VL032318.D
 Acq: 27 Jul 2018 13:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2493394
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.2 114.2
 184 30.3 24.3 36.5

