

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032309.D
 Acq On : 27 Jul 2018 00:36
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1926622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4145843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	6082622	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3820050	7.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.12	85	1760132	5.832	ppbv 100
3) Chlorodifluoromethane	3.06	51	1920780	8.928	ppbv 100
4) Chloromethane	3.22	50	1192497	9.369	ppbv 100
5) Vinyl Chloride	3.34	62	1110712	9.224	ppbv 100
6) Bromomethane	3.57	94	587856	9.014	ppbv 100
7) Chloroethane	3.65	64	384788	9.049	ppbv 100
8) Dichlorotetrafluoroethane	3.27	85	2242900	8.488	ppbv 100
9) Propene	3.08	41	930777	9.872	ppbv 100
10) Heptane	8.33	43	3329025	11.022	ppbv 100
11) Trichlorofluoromethane	4.06	101	2198150	8.702	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1454048	8.920	ppbv 100
13) Ethanol	3.70	45	233107	8.599	ppbv 100
14) Bromoethene	3.84	108	686715	9.361	ppbv 100
15) Acetone	3.96	43	1700845	8.556	ppbv 100
16) 1,3-Butadiene	3.41	39	945284	9.300	ppbv 100
17) tert-Butyl alcohol	4.42	59	626365	9.778	ppbv 100
18) 1,1-Dichloroethene	4.41	96	715096	9.353	ppbv 100
19) Isopropyl Alcohol	4.08	45	1359619	9.955	ppbv 99
20) Methylene Chloride	4.47	84	677544	8.673	ppbv 100
21) Allyl Chloride	4.54	41	1316523	9.870	ppbv 100
22) trans-1,2-Dichloroethene	5.03	96	730994	9.293	ppbv 100
23) Vinyl Acetate	5.22	43	3486124	9.706	ppbv 100
24) 1,1-Dichloroethane	5.16	63	2334579	8.976	ppbv 100
25) Ethyl Acetate	5.84	43	4047560	9.250	ppbv 100
26) Hexane	5.85	57	1831992	9.126	ppbv 100
27) Carbon Disulfide	4.68	76	1845831	10.368	ppbv 100
28) Methyl tert-Butyl Ether	5.18	73	2722903	9.271	ppbv 100
29) Chloroform	5.92	83	2652206	9.033	ppbv 100
30) Cyclohexane	7.33	84	1560087	9.335	ppbv 100
31) cis-1,2-Dichloroethene	5.71	61	1878507	9.730	ppbv 100
32) 1,1,1-Trichloroethane	6.70	97	2589552	8.708	ppbv 100
34) 2-Butanone	5.40	43	2821898	9.837	ppbv 100
35) Carbon Tetrachloride	7.22	117	2567455	9.052	ppbv 100
36) Benzene	7.09	78	3924015	9.575	ppbv 100
37) 1,2-Dichloroethane	6.49	62	2143112	8.954	ppbv 100
38) Trichloroethene	8.04	130	1551102	11.179	ppbv 100
39) 1,2-Dichloropropane	7.82	63	1899789	11.237	ppbv 100
40) 1,4-Dioxane	8.04	88	594117	11.956	ppbv 100
41) Tetrahydrofuran	6.22	42	1690708	10.226	ppbv 100
42) Bromodichloromethane	8.00	83	3581490	11.306	ppbv 100
43) Methyl Methacrylate	8.22	69	1983063	11.788	ppbv 100

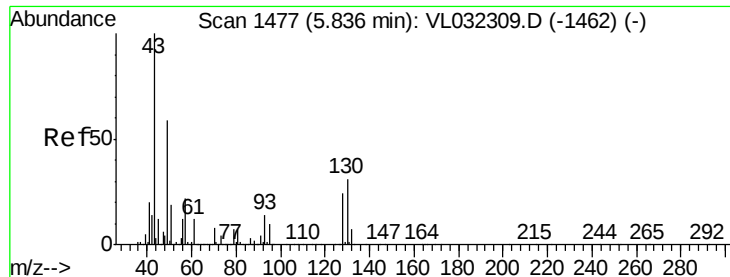
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032309.D
 Acq On : 27 Jul 2018 00:36
 Operator : SY/AP
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 Misc : 400ml/MSVOA L
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Instrument :
 MSVOA_L
 ClientSampleId :

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	8136698	11.210	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2462887	12.078	ppbv	100
46) cis-1,3-Dichloropropene	8.92	75	2908518	11.501	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	1809250	10.275	ppbv	100
48) Dibromochloromethane	10.54	129	2796095	10.801	ppbv	100
49) Bromoform	13.30	173	2330347	10.330	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	5062466	10.697	ppbv	100
51) 2-Hexanone	10.36	43	4084586	10.966	ppbv	100
52) Tetrachloroethene	11.46	164	1370436	9.697	ppbv	100
53) Toluene	10.03	91	5006269	10.088	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2691328	10.301	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	2009614	7.455	ppbv	100
57) Chlorobenzene	12.40	112	3691386	7.411	ppbv	100
58) Ethyl Benzene	12.95	91	6800917	8.067	ppbv	100
59) m/p-Xylene	13.24	91	5647534	7.764	ppbv #	35
60) o-Xylene	13.94	91	5287685	7.295	ppbv	100
61) Styrene	13.77	104	4340433	8.149	ppbv	100
62) Isopropylbenzene	14.92	105	7542547	7.350	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3972690	6.415	ppbv	100
64) n-propylbenzene	15.81	120	1978127	7.515	ppbv	100
65) tert-Butylbenzene	17.00	119	6166303	7.042	ppbv	100
66) Benzyl Chloride	17.25	91	4395080	8.961	ppbv	100
67) sec-Butylbenzene	17.55	105	9247233	7.067	ppbv	100
69) p-Isopropyltoluene	17.91	119	7369632	7.275	ppbv	100
70) n-Butylbenzene	18.80	91	8333458	7.367	ppbv	100
71) 2-Chlorotoluene	15.71	91	6022220	7.345	ppbv	100
72) 4-Ethyltoluene	16.09	105	6310771	7.648	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5947582	7.368	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5848236	6.893	ppbv	100
75) 1,3-Dichlorobenzene	17.26	146	3279167	6.931	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3343024	7.133	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3293018	7.181	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	1054659	7.002	ppbv	100
79) Naphthalene	22.52	128	5699892	7.917	ppbv	100
80) Naphthalene, 2-methyl-	25.18	142	2805473	9.175	ppbv	100
81) 1,2,4-Trichlorobenzene	22.24	180	2728773	7.747	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: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampled :

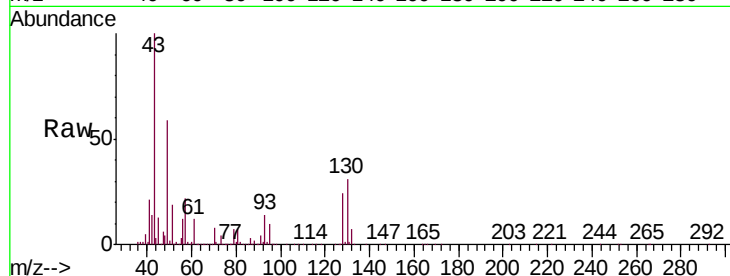
Tot Ion: 49 Resp: 1926622

Ion Ratio Lower Upper

49 100

128 40.4 20.2 60.6

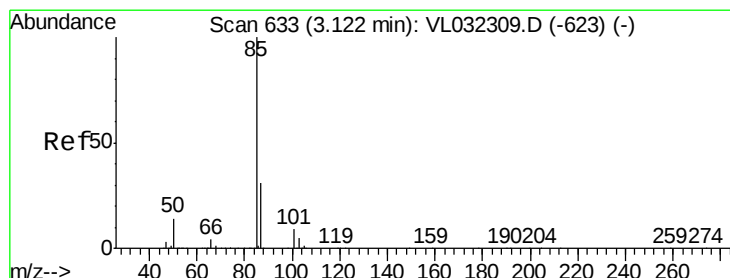
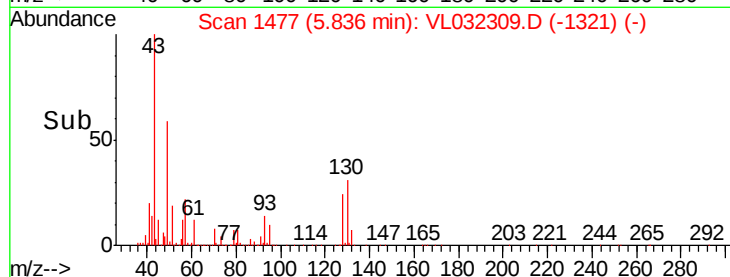
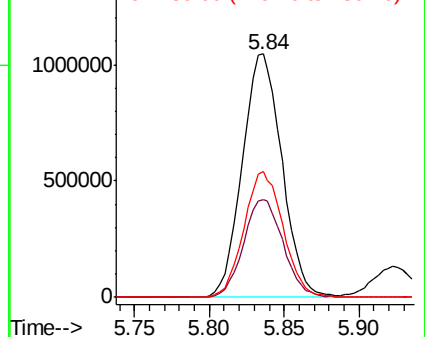
130 51.6 25.8 77.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.832 ppbv

RT: 3.12 min Scan# 633

Delta R.T. 0.00 min

Lab File: VL032309.D

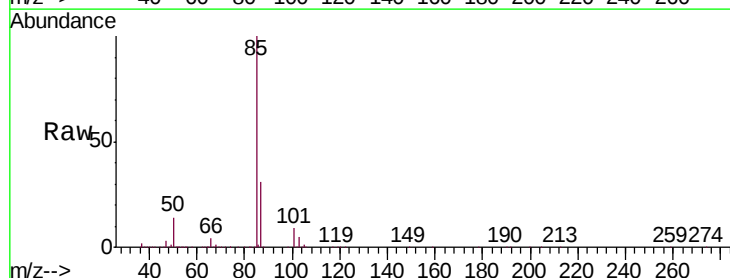
Acq: 27 Jul 2018 00:36

Tgt Ion: 85 Resp: 1760132

Ion Ratio Lower Upper

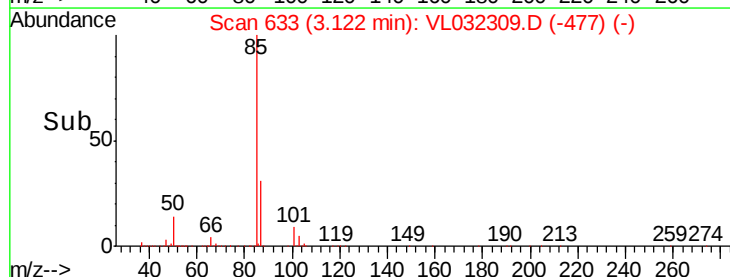
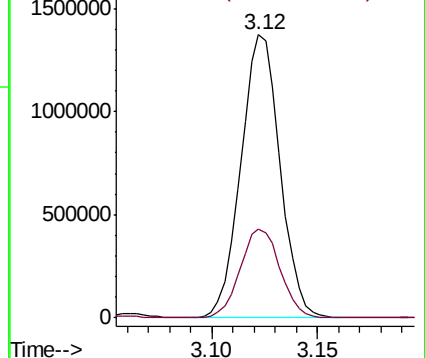
85 100

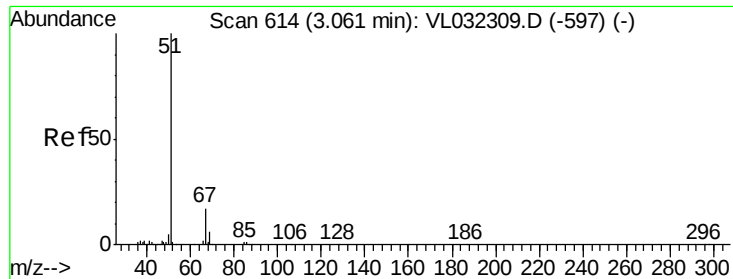
87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

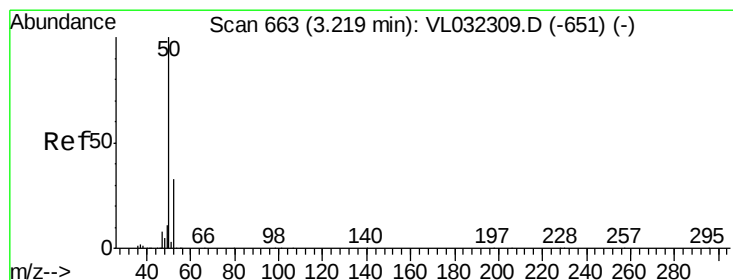
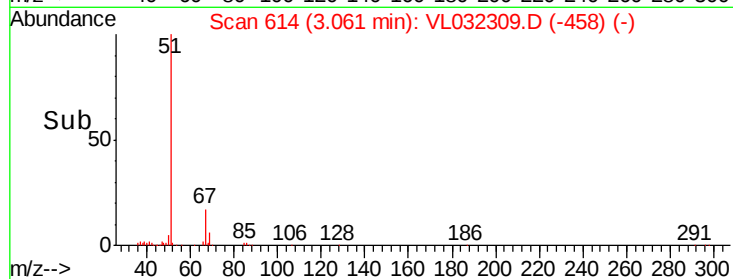
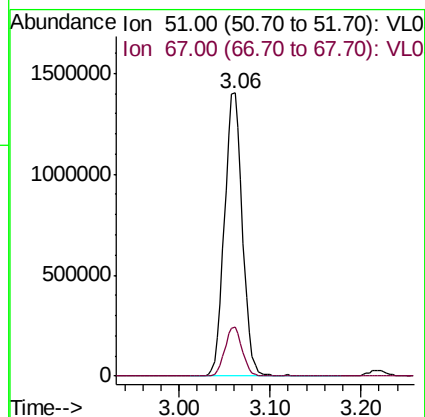
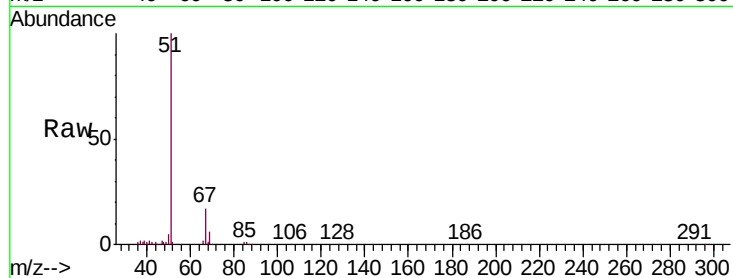




#3
Chlorodifluoromethane
Concen: 8.928 ppbv
RT: 3.06 min Scan# 614
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

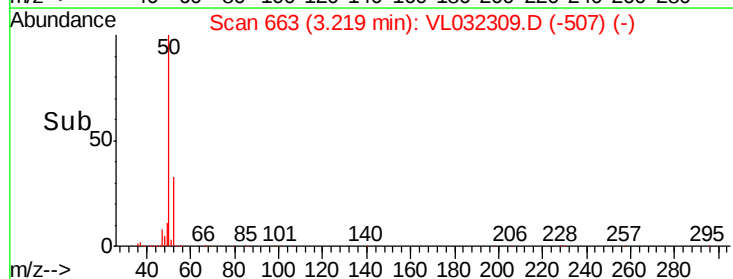
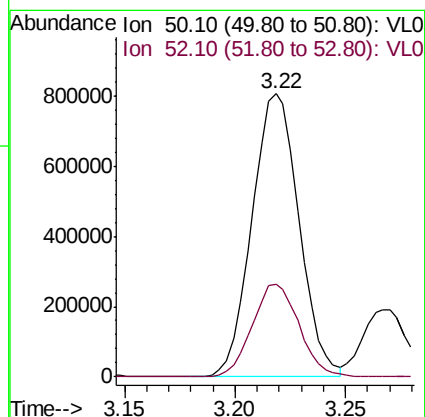
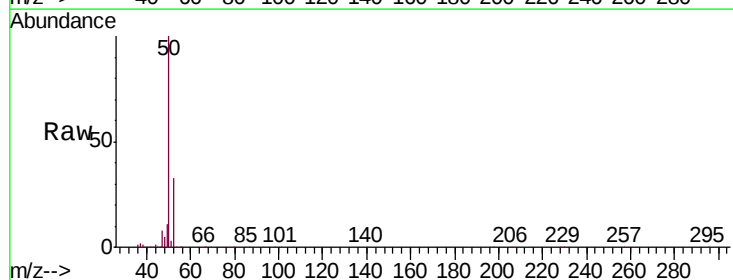
Instrument :
MSVOA_L
ClientSampleId :

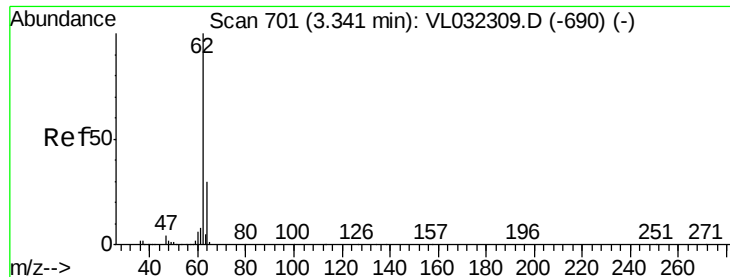
Tot Ion: 51 Resp: 1920780
Ion Ratio Lower Upper
51 100
67 16.9 13.5 20.3



#4
Chloromethane
Concen: 9.369 ppbv
RT: 3.22 min Scan# 663
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 50 Resp: 1192497
Ion Ratio Lower Upper
50 100
52 32.8 26.2 39.4





#5

Vinyl Chloride

Concen: 9.224 ppbv

RT: 3.34 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

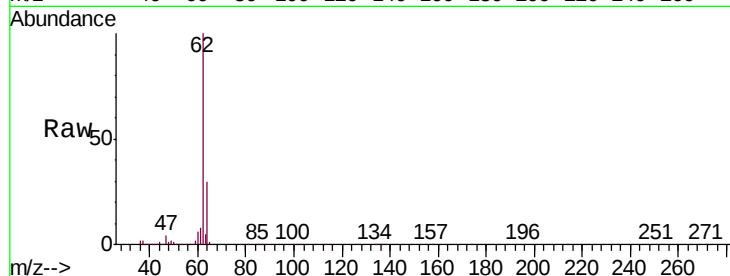
ClientSampleId :

Tot Ion: 62 Resp: 1110712

Ion Ratio Lower Upper

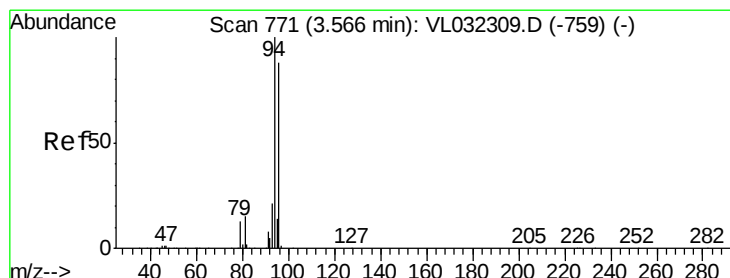
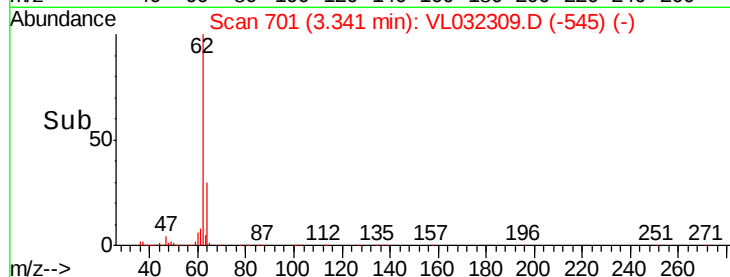
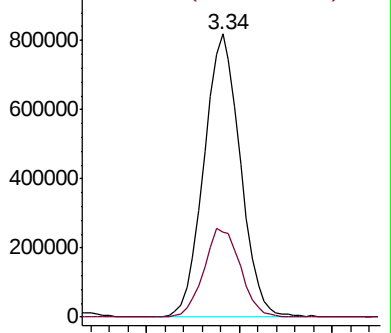
62 100

64 30.1 24.1 36.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.014 ppbv

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VL032309.D

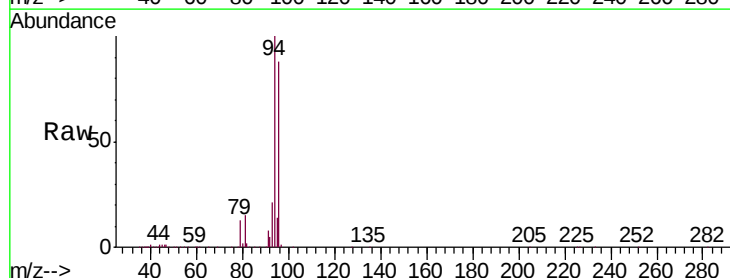
Acq: 27 Jul 2018 00:36

Tgt Ion: 94 Resp: 587856

Ion Ratio Lower Upper

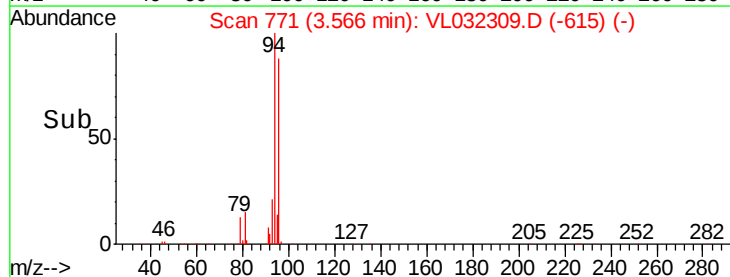
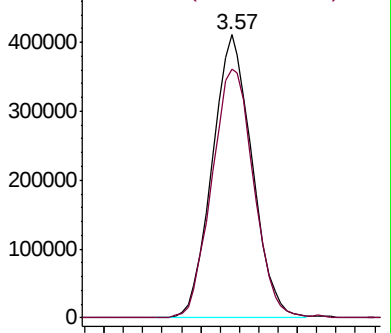
94 100

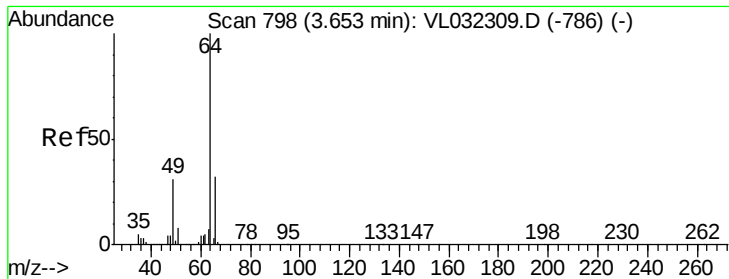
96 87.8 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.049 ppbv

RT: 3.65 min Scan# 798

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

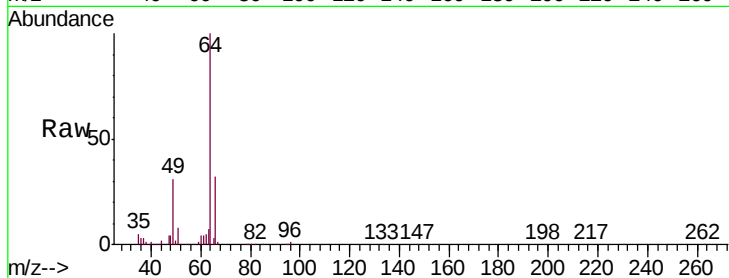
ClientSampleId :

Tot Ion: 64 Resp: 384788

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.65

250000

200000

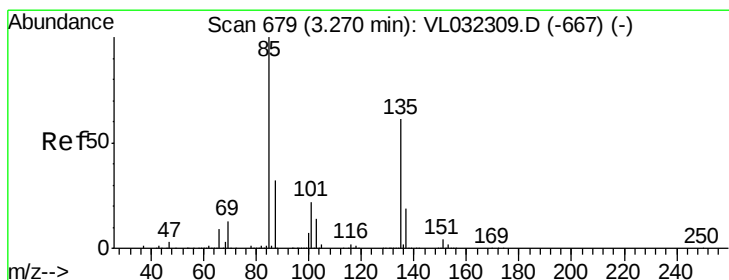
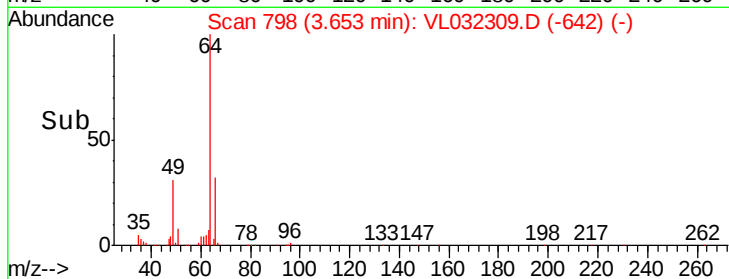
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.488 ppbv

RT: 3.27 min Scan# 679

Delta R.T. 0.00 min

Lab File: VL032309.D

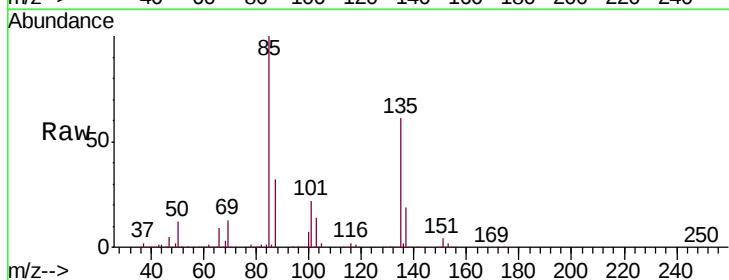
Acq: 27 Jul 2018 00:36

Tgt Ion: 85 Resp: 2242900

Ion Ratio Lower Upper

85 100

135 60.9 48.7 73.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.27

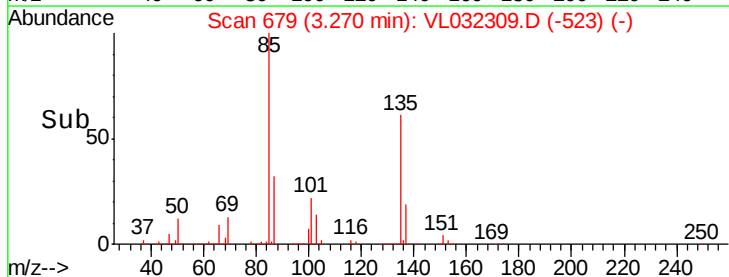
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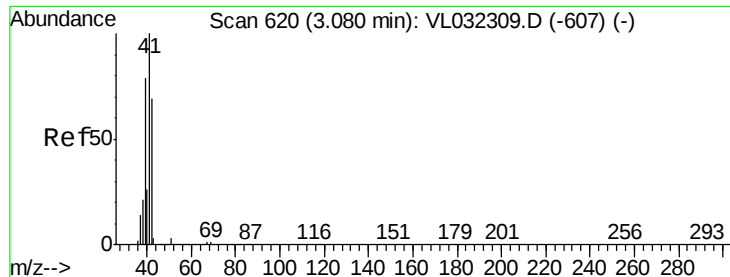
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500000

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Time-->





#9

Propene

Concen: 9.872 ppbv

RT: 3.08 min Scan# 620

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

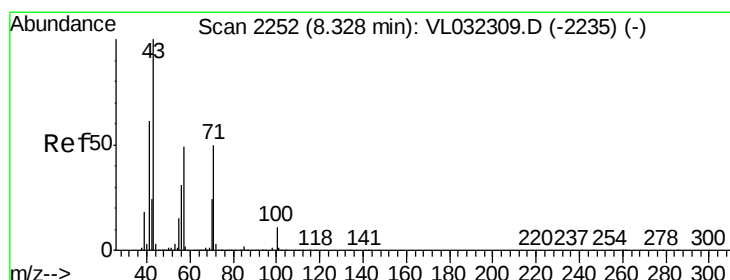
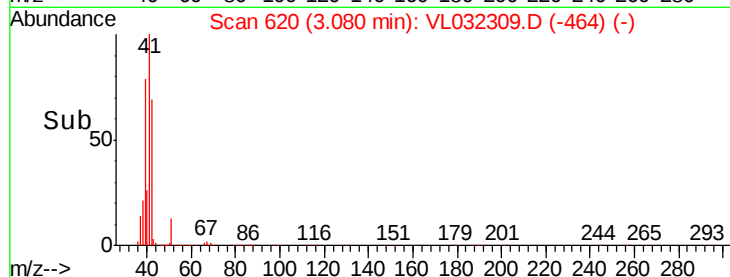
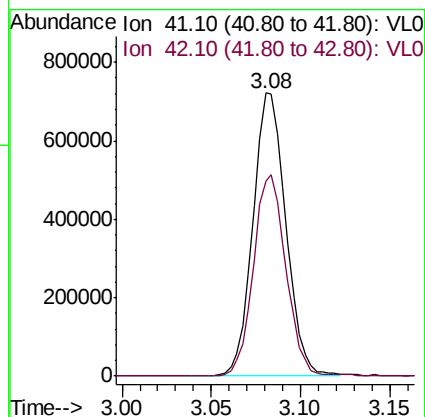
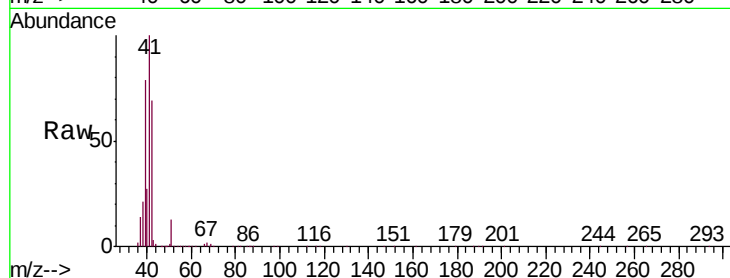
ClientSampleId :

Tot Ion: 41 Resp: 930777

Ion Ratio Lower Upper

41 100

42 71.0 56.8 85.2



#10

Heptane

Concen: 11.022 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VL032309.D

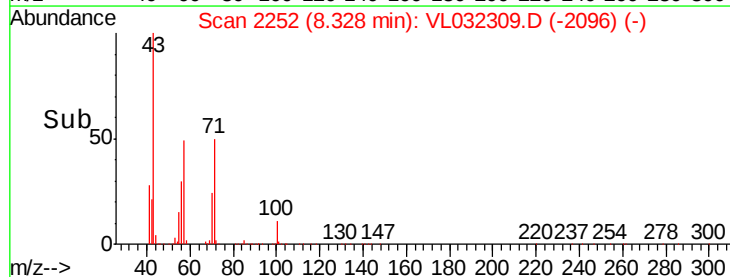
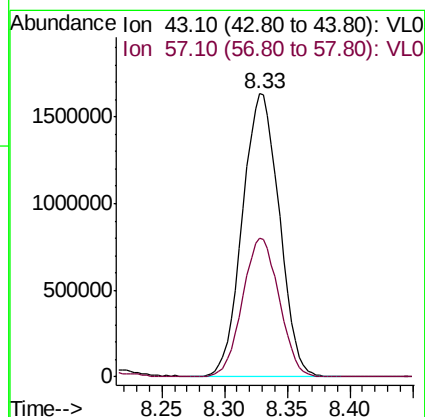
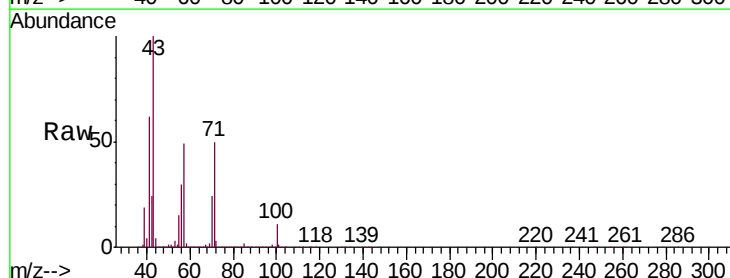
Acq: 27 Jul 2018 00:36

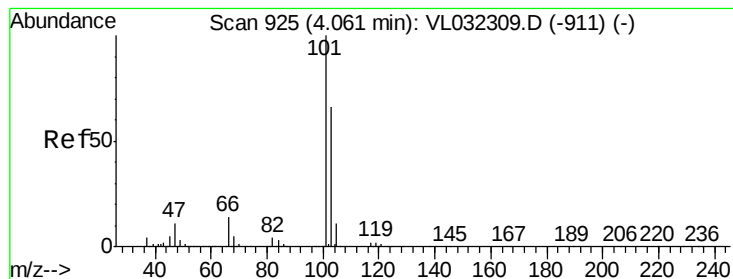
Tgt Ion: 43 Resp: 3329025

Ion Ratio Lower Upper

43 100

57 48.7 39.0 58.4





#11

Trichlorofluoromethane

Concen: 8.702 ppbv

RT: 4.06 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

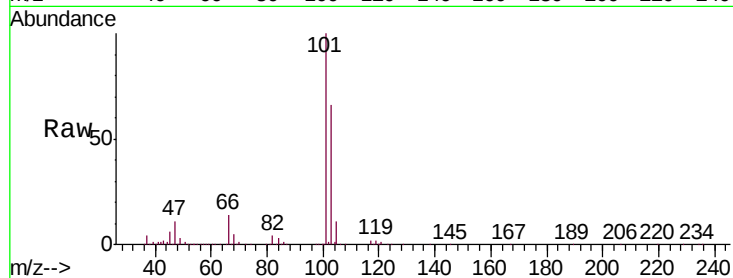
ClientSampleId :

Tot Ion:101 Resp: 2198150

Ion Ratio Lower Upper

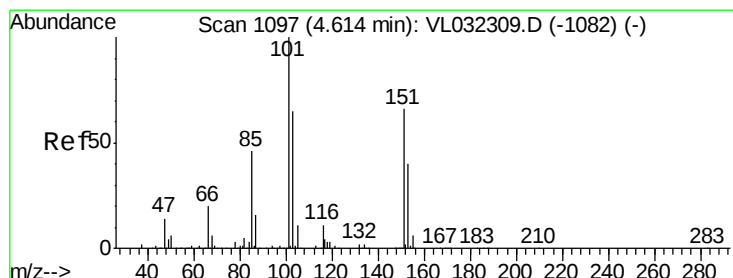
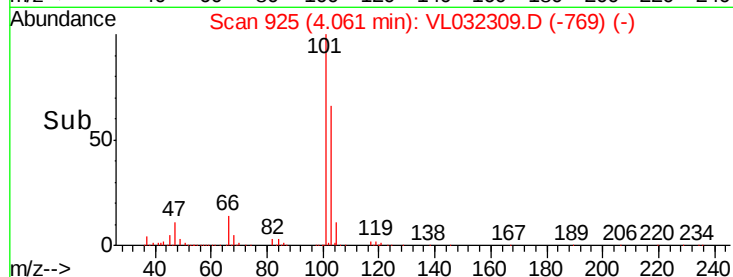
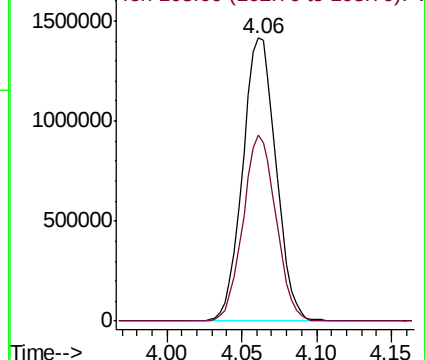
101 100

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: 8.920 ppbv

RT: 4.61 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VL032309.D

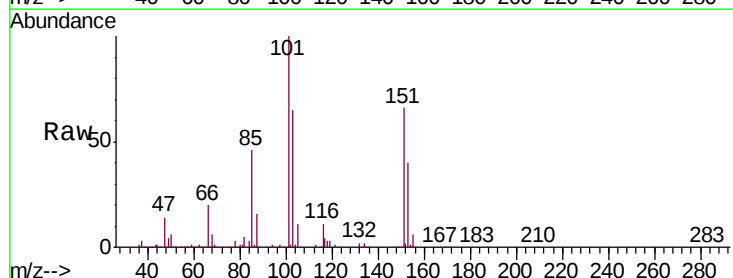
Acq: 27 Jul 2018 00:36

Tgt Ion:101 Resp: 1454048

Ion Ratio Lower Upper

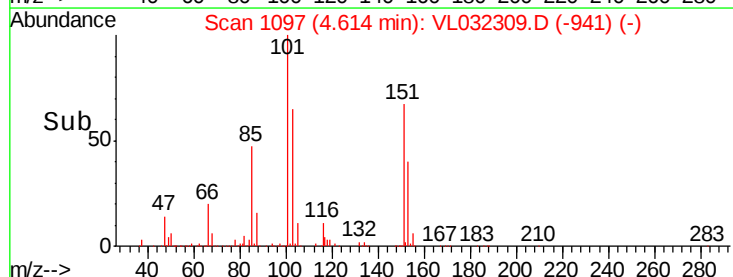
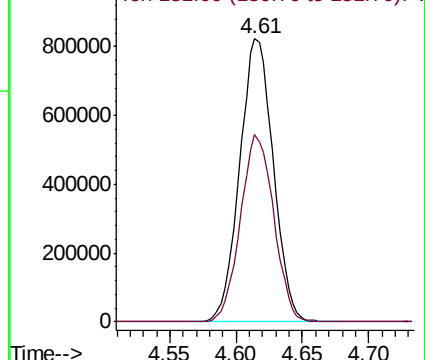
101 100

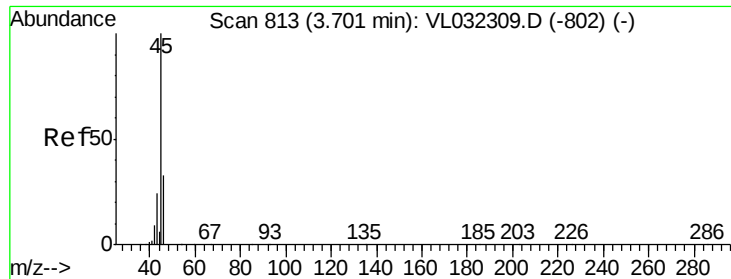
151 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

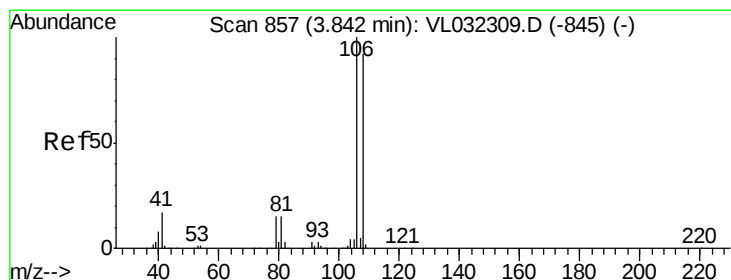
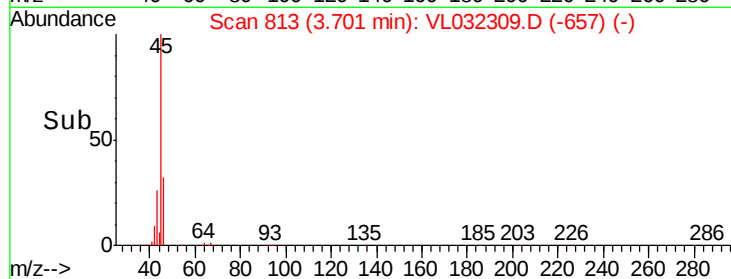
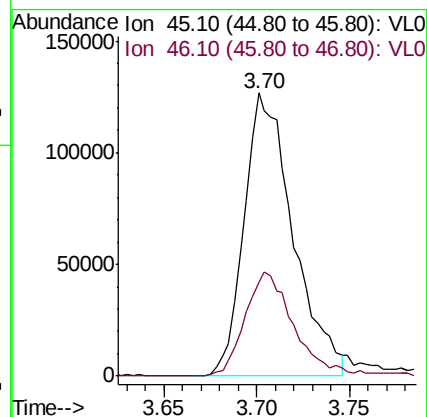
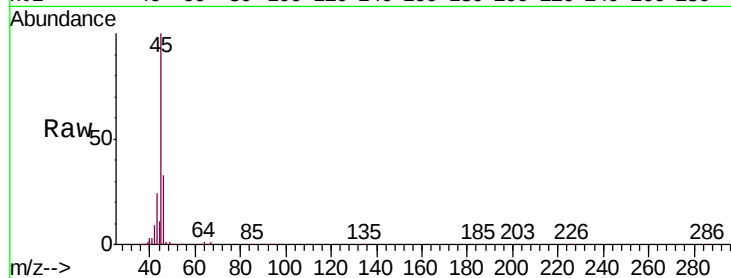




#13
Ethanol
Concen: 8.599 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

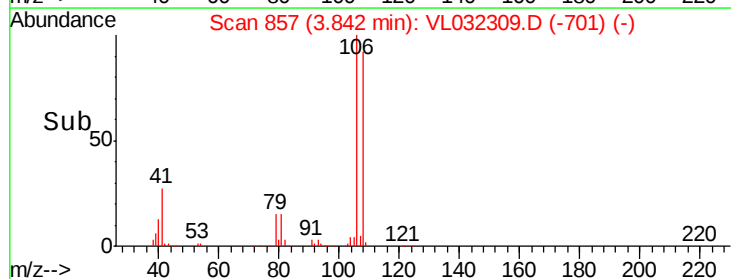
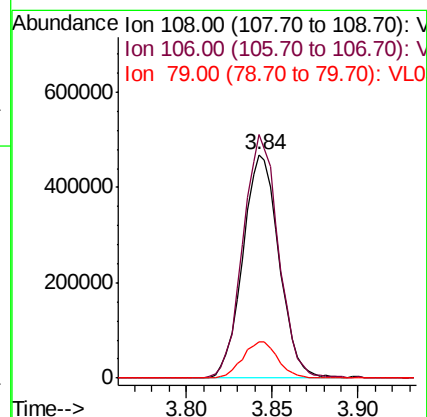
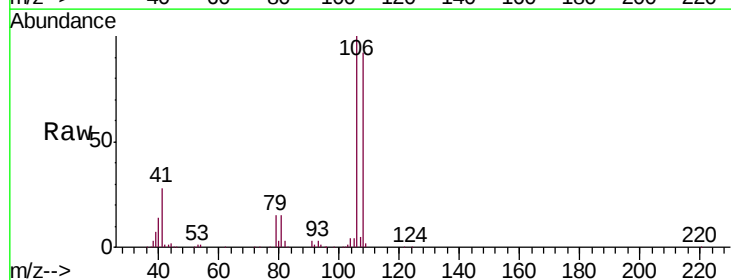
Instrument :
MSVOA_L
ClientSampleId :

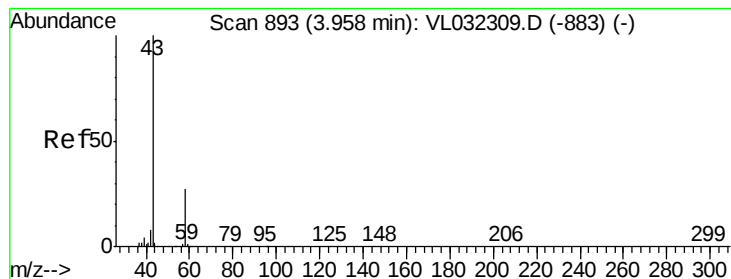
Tot Ion: 45 Resp: 233107
Ion Ratio Lower Upper
45 100
46 37.8 15.2 60.6



#14
Bromoethene
Concen: 9.361 ppbv
RT: 3.84 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 108 Resp: 686715
Ion Ratio Lower Upper
108 100
106 107.5 86.0 129.0
79 15.9 12.8 19.2





#15

Acetone

Concen: 8.556 ppbv

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

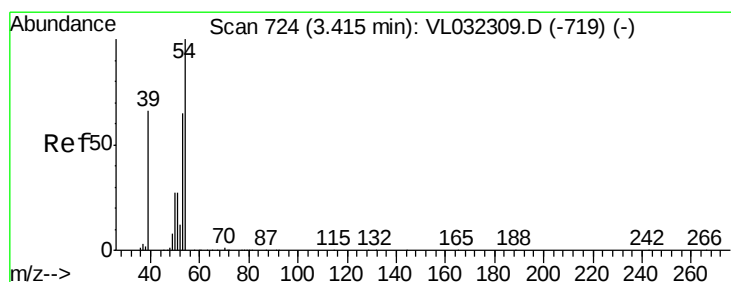
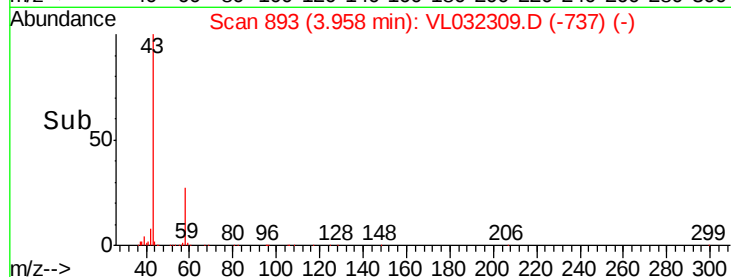
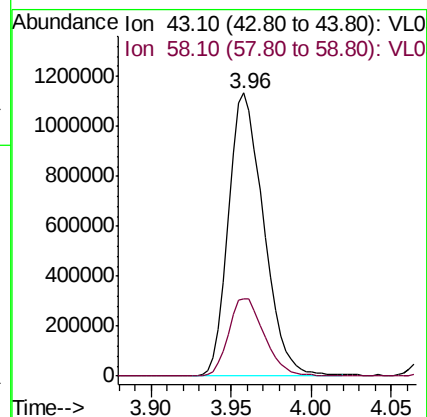
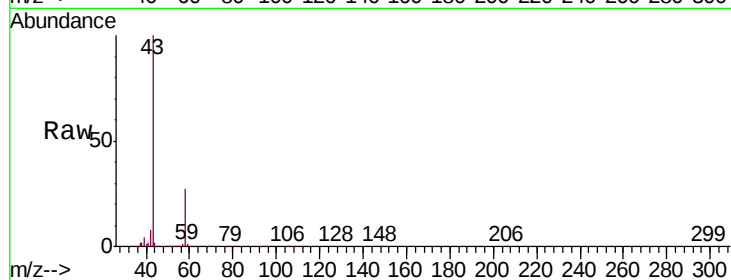
ClientSampleId :

Tot Ion: 43 Resp: 1700845

Ion Ratio Lower Upper

43 100

58 28.1 22.5 33.7



#16

1,3-Butadiene

Concen: 9.300 ppbv

RT: 3.41 min Scan# 724

Delta R.T. 0.00 min

Lab File: VL032309.D

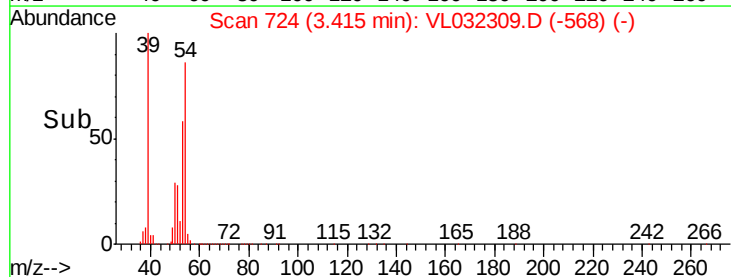
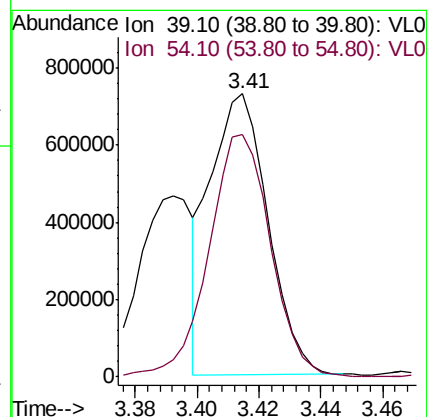
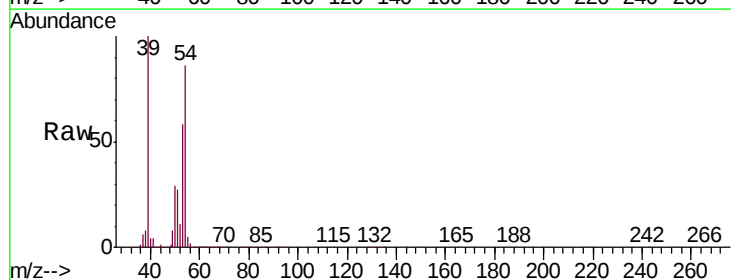
Acq: 27 Jul 2018 00:36

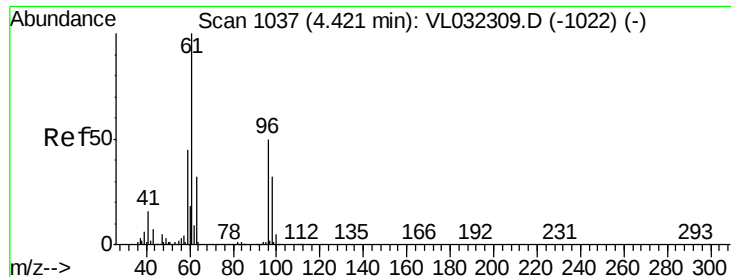
Tgt Ion: 39 Resp: 945284

Ion Ratio Lower Upper

39 100

54 92.8 74.3 111.5

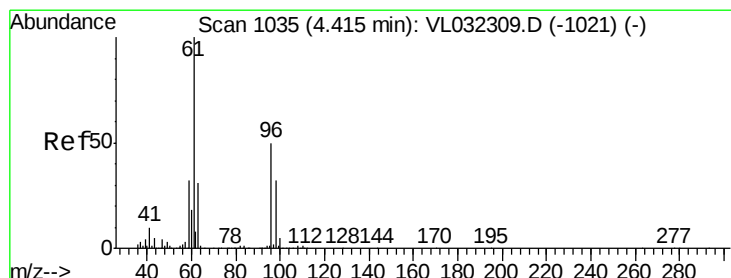
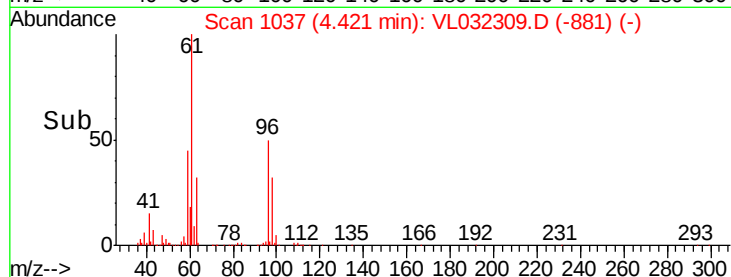
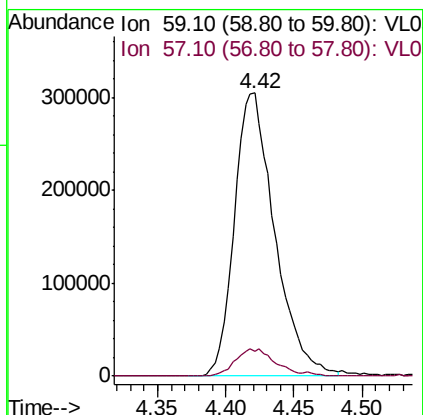
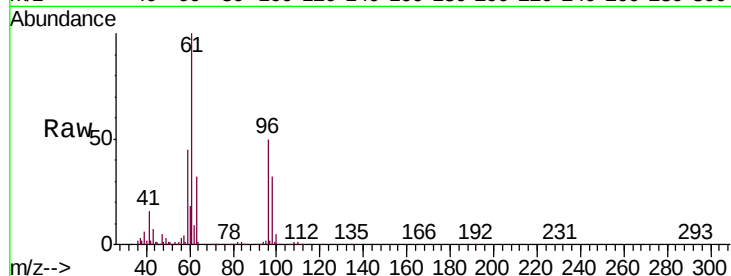




#17
tert-Butyl alcohol
Concen: 9.778 ppbv
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

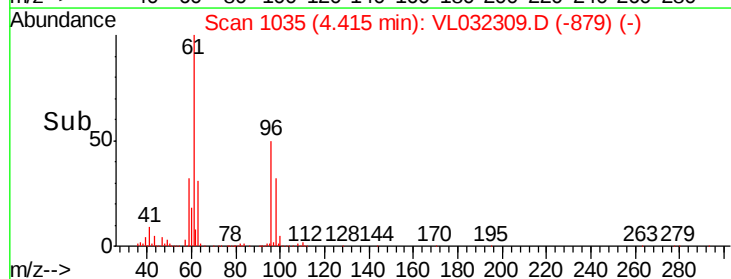
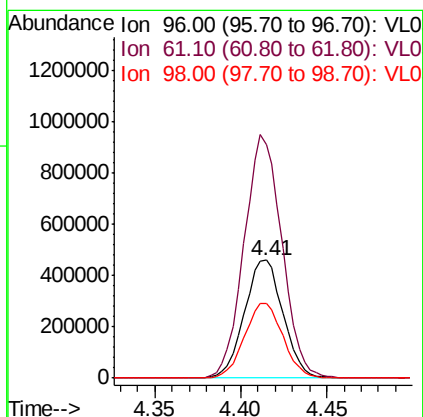
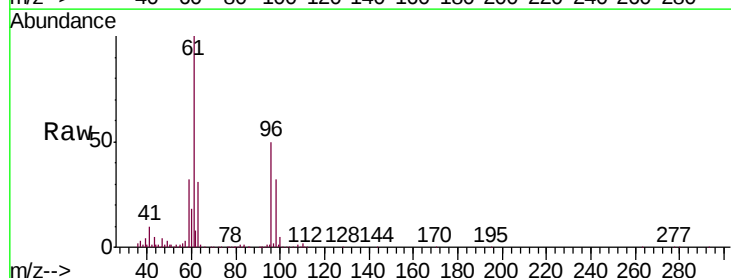
Instrument :
MSVOA_L
ClientSampleId :

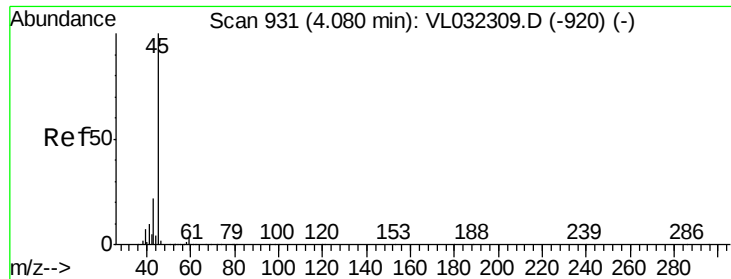
Tot Ion: 59 Resp: 626365
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0



#18
1,1-Dichloroethene
Concen: 9.353 ppbv
RT: 4.41 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 96 Resp: 715096
Ion Ratio Lower Upper
96 100
61 198.7 159.0 238.4
98 63.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.955 ppbv

RT: 4.08 min Scan# 931

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

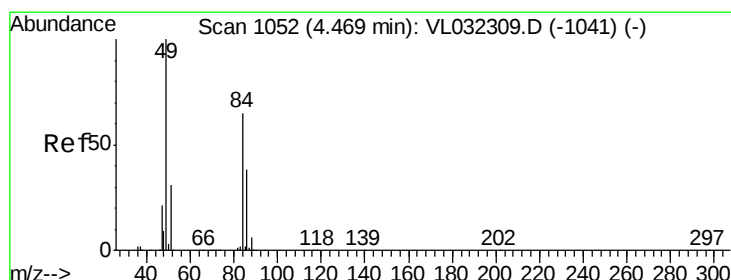
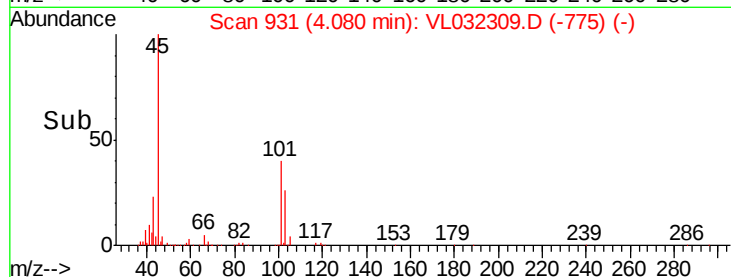
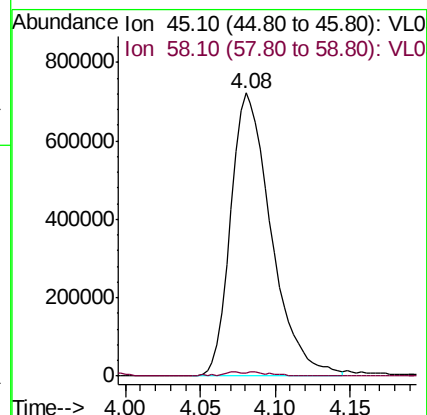
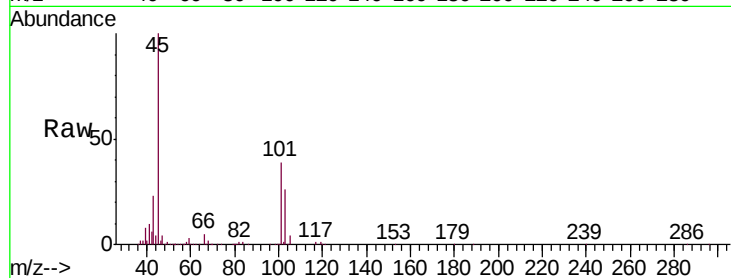
ClientSampleId :

Tot Ion: 45 Resp: 1359619

Ion Ratio Lower Upper

45 100

58 2.2 1.5 2.3



#20

Methylene Chloride

Concen: 8.673 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 84 Resp: 677544

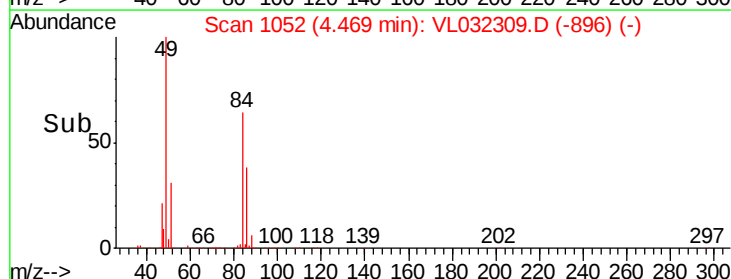
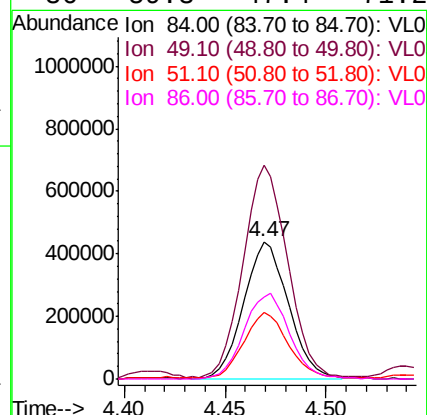
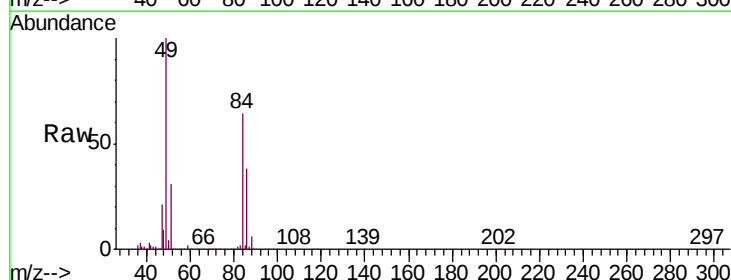
Ion Ratio Lower Upper

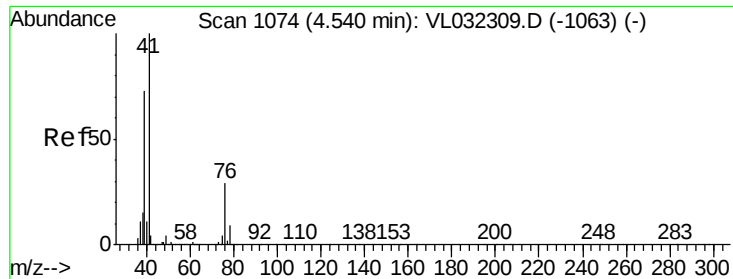
84 100

49 154.2 123.4 185.0

51 47.7 38.2 57.2

86 59.3 47.4 71.2

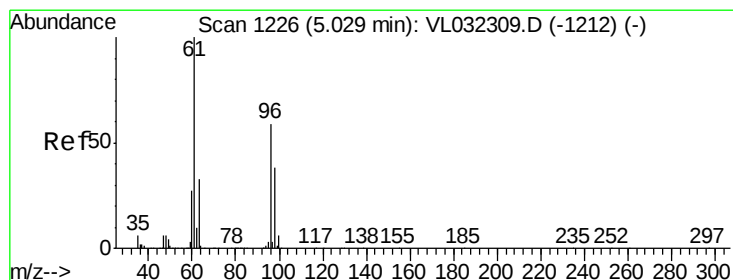
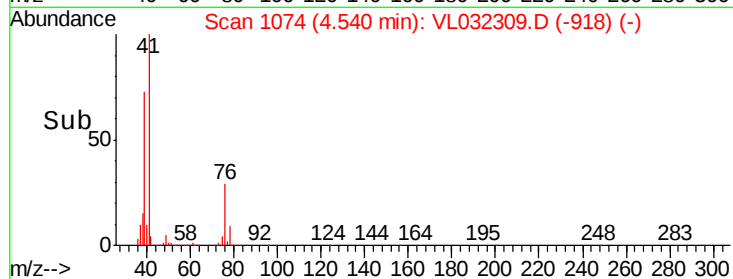
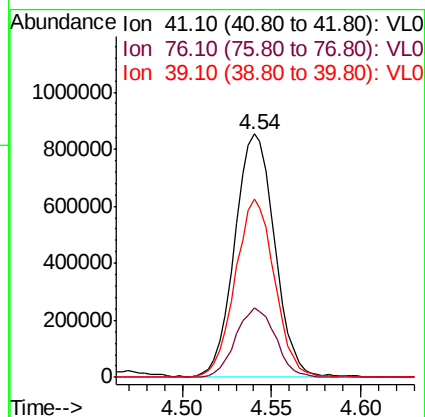
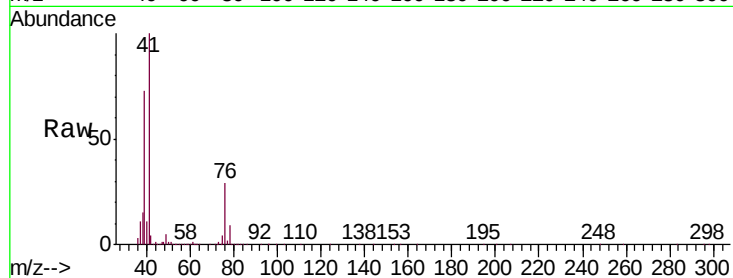




#21
Allvl Chloride
Concen: 9.870 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

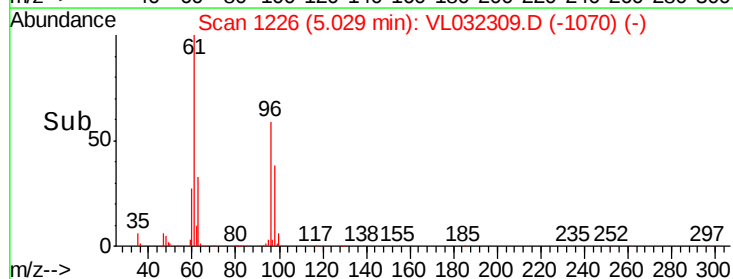
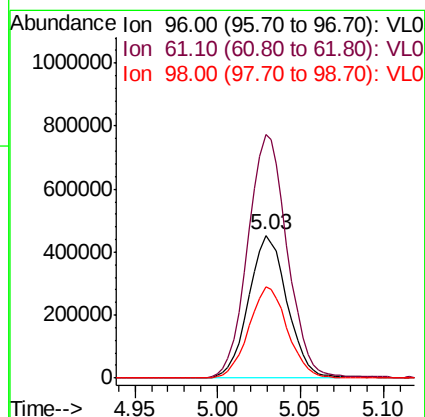
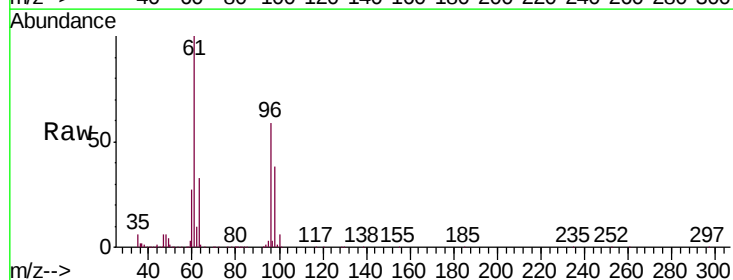
Instrument :
MSVOA_L
ClientSampleId :

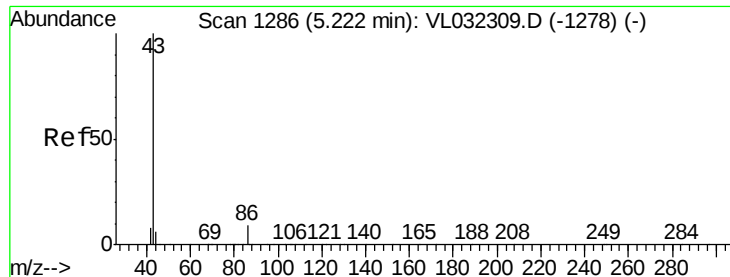
Tot Ion: 41 Resp: 1316523
Ion Ratio Lower Upper
41 100
76 28.8 23.1 34.7
39 72.6 58.2 87.2



#22
trans-1,2-Dichloroethene
Concen: 9.293 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 96 Resp: 730994
Ion Ratio Lower Upper
96 100
61 170.6 136.5 204.7
98 64.1 51.3 76.9





#23

Vinyl Acetate

Concen: 9.706 ppbv

RT: 5.22 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 3486124

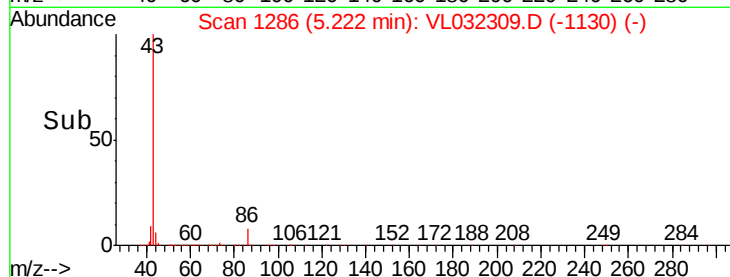
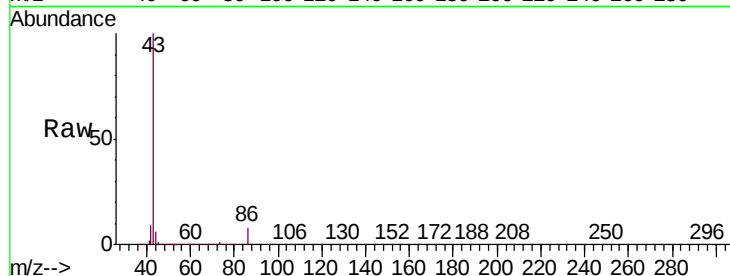
Ion Ratio Lower Upper

43 100

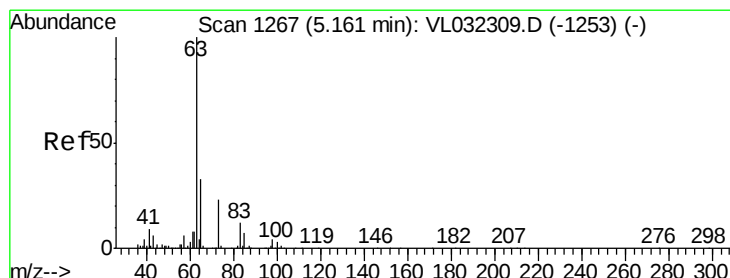
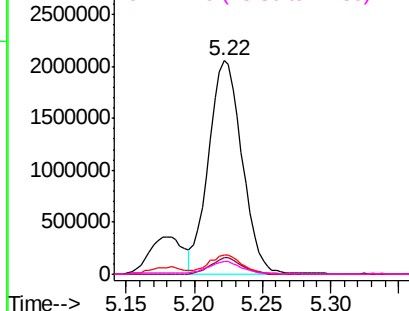
86 7.9 6.3 9.5

42 8.7 7.0 10.4

44 5.8 4.6 7.0



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



#24

1,1-Dichloroethane

Concen: 8.976 ppbv

RT: 5.16 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

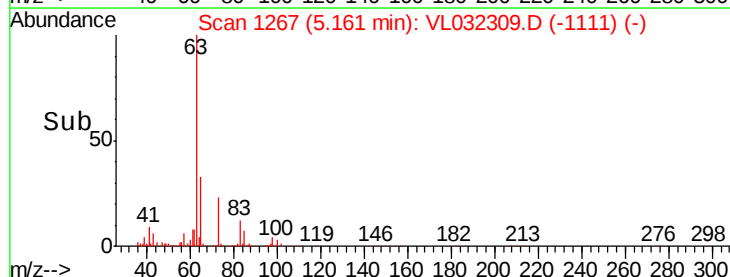
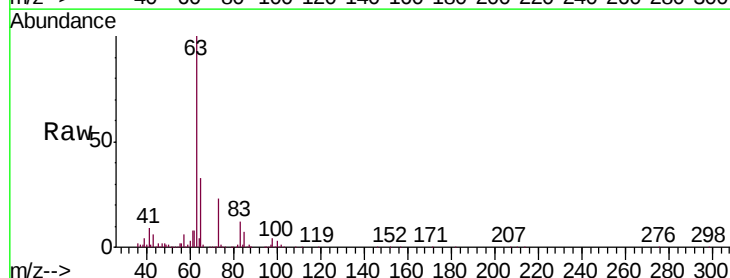
Tgt Ion: 63 Resp: 2334579

Ion Ratio Lower Upper

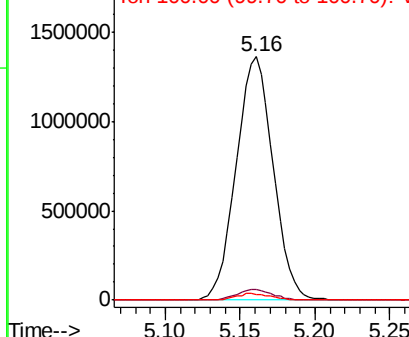
63 100

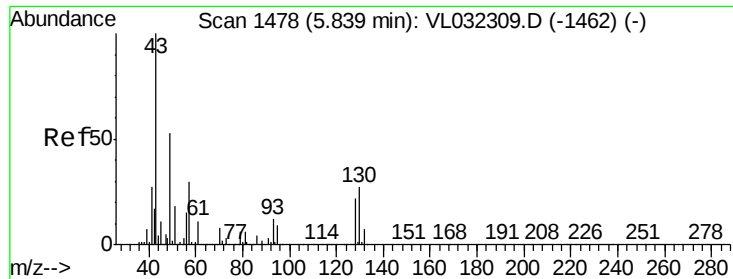
98 4.3 2.1 6.5

100 2.5 1.3 3.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

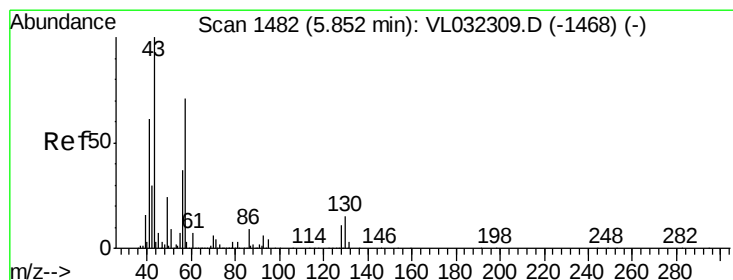
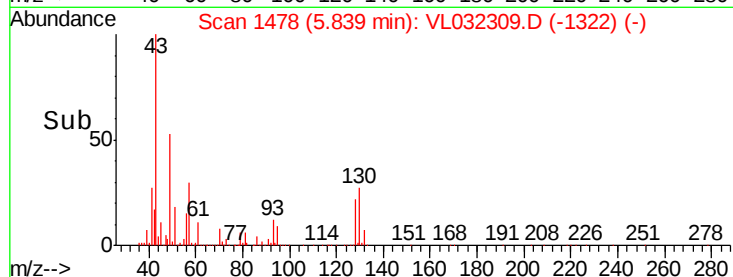
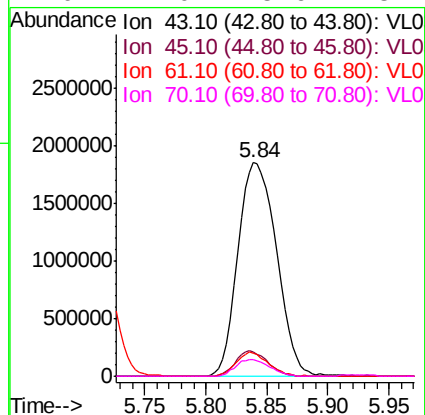
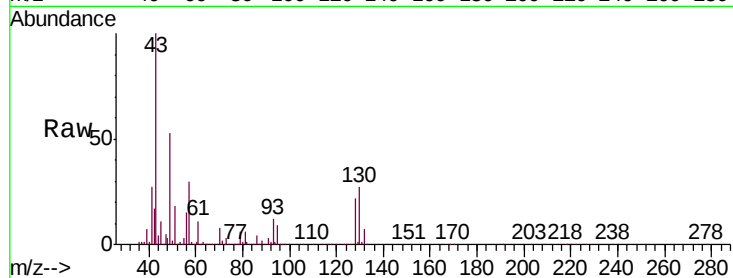




#25
Ethyl Acetate
Concen: 9.250 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

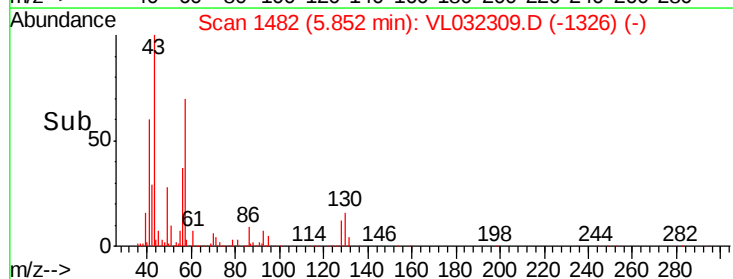
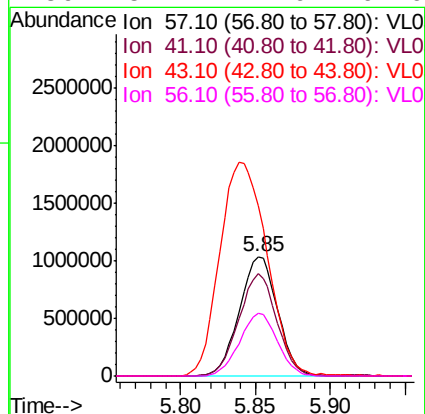
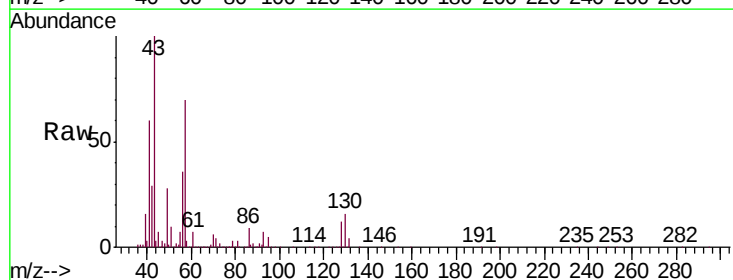
Instrument :
MSVOA_L
ClientSampleId :

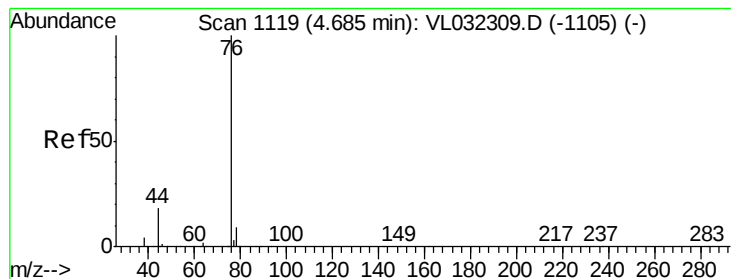
Tot Ion:	43	Resp:	4047560
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.2	7.4	11.0
70	7.0	5.6	8.4



#26
Hexane
Concen: 9.126 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:	57	Resp:	1831992
Ion	Ratio	Lower	Upper
57	100		
41	85.1	68.1	102.1
43	221.7	177.4	266.2
56	52.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.368 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampled :

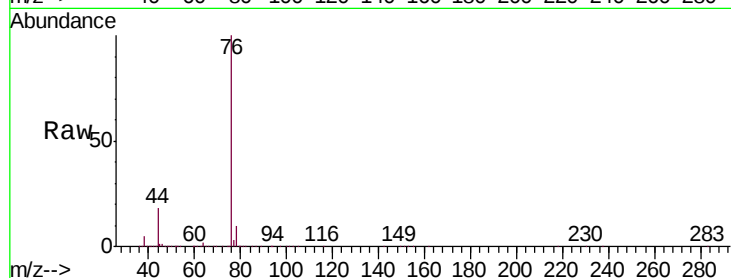
Tot Ion: 76 Resp: 1845831

Ion Ratio Lower Upper

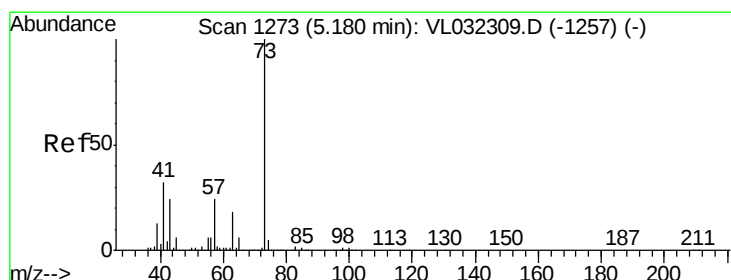
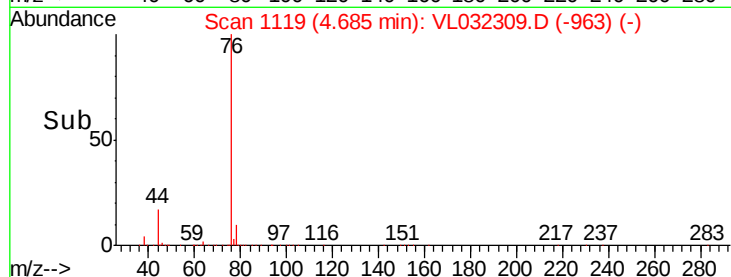
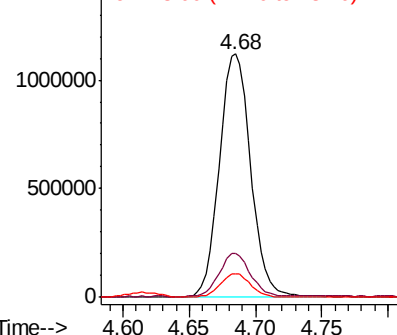
76 100

44 17.5 14.0 21.0

78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
1500000 Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.271 ppbv

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VL032309.D

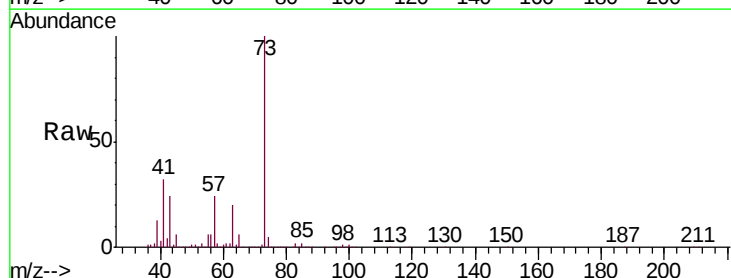
Acq: 27 Jul 2018 00:36

Tgt Ion: 73 Resp: 2722903

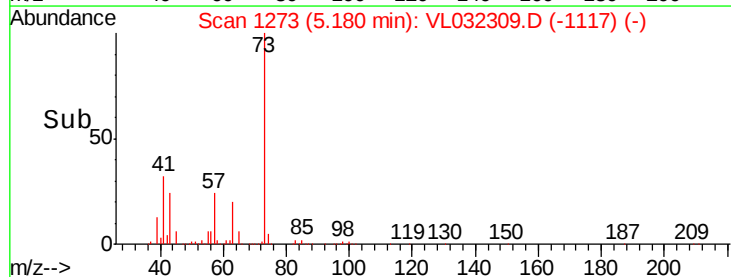
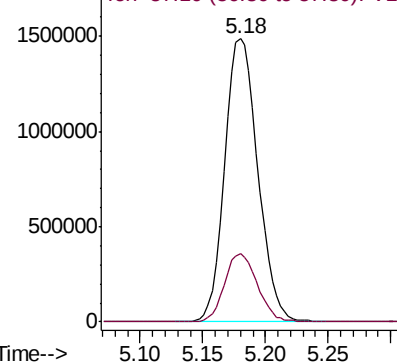
Ion Ratio Lower Upper

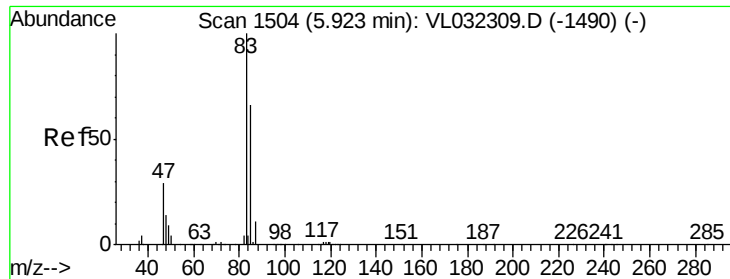
73 100

57 24.2 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
1500000 Ion 57.10 (56.80 to 57.80): VL0

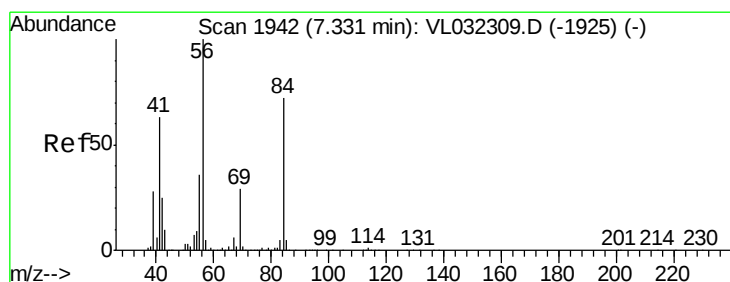
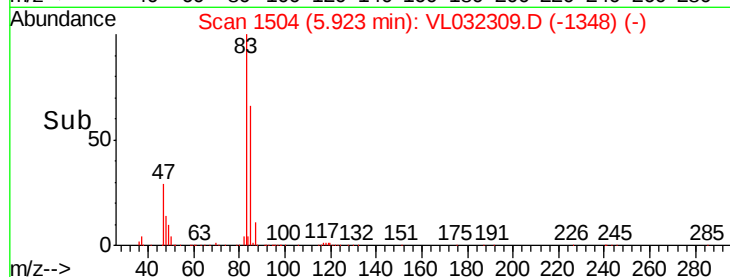
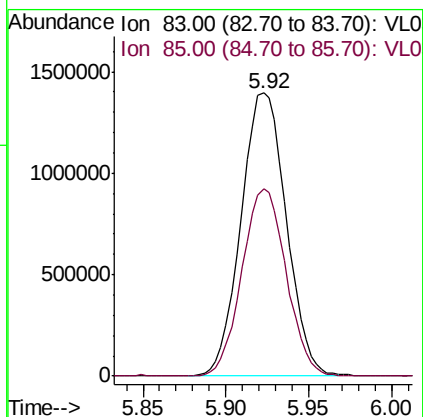
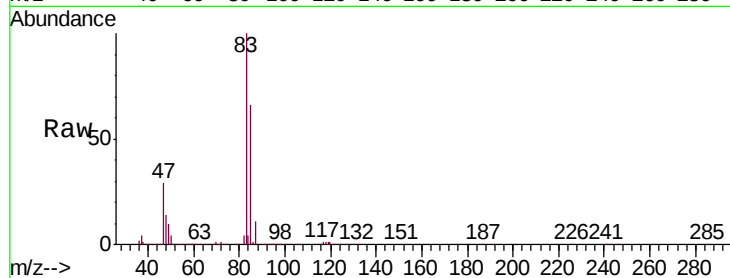




#29
Chloroform
Concen: 9.033 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

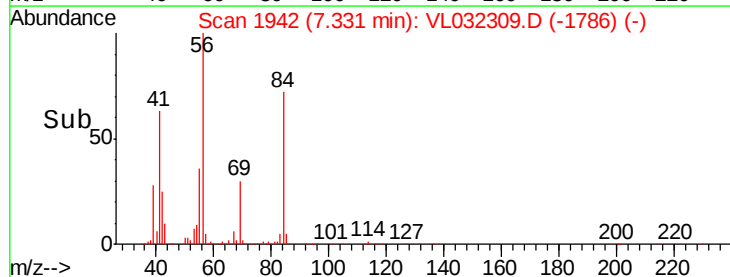
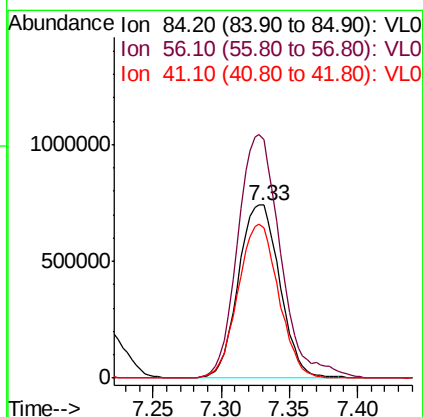
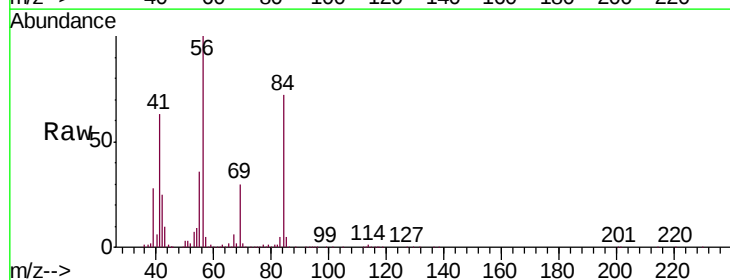
Instrument :
MSVOA_L
ClientSampleId :

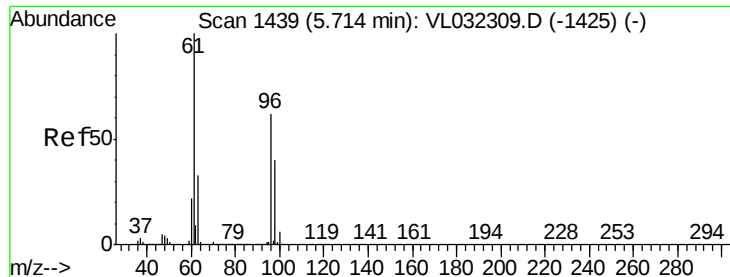
Tot Ion: 83 Resp: 2652206
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3



#30
Cyclohexane
Concen: 9.335 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 84 Resp: 1560087
Ion Ratio Lower Upper
84 100
56 146.0 116.8 175.2
41 87.5 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.730 ppbv

RT: 5.71 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

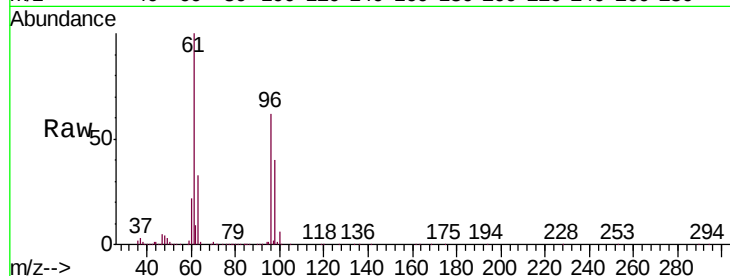
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 61 Resp: 1878507

Ion	Ratio	Lower	Upper
61	100		
96	62.2	49.8	74.6
98	39.7	31.8	47.6

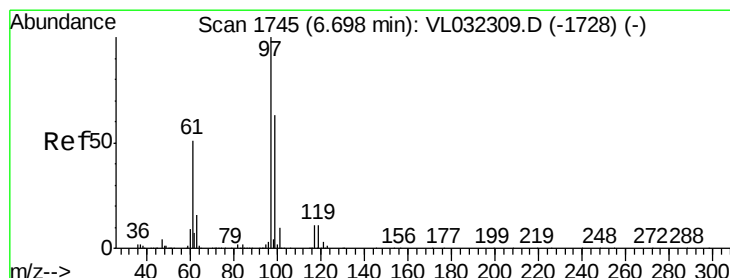
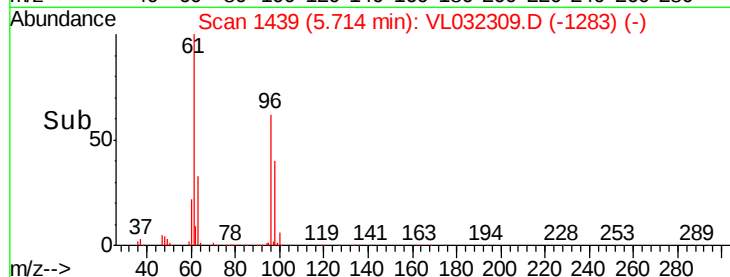
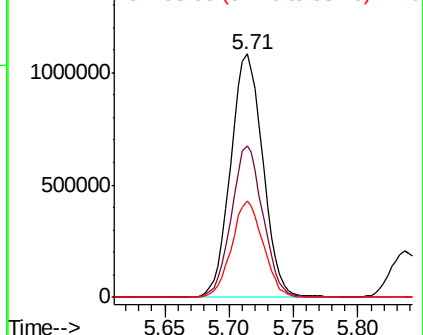


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.708 ppbv

RT: 6.70 min Scan# 1745

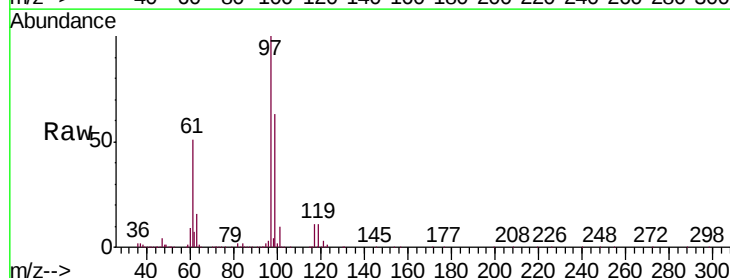
Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 97 Resp: 2589552

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	52.2	41.8	62.6

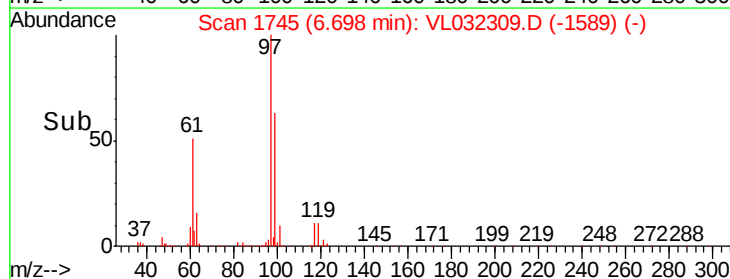
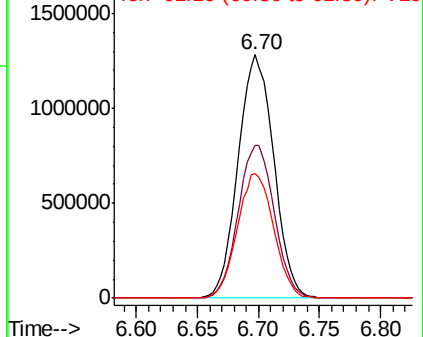


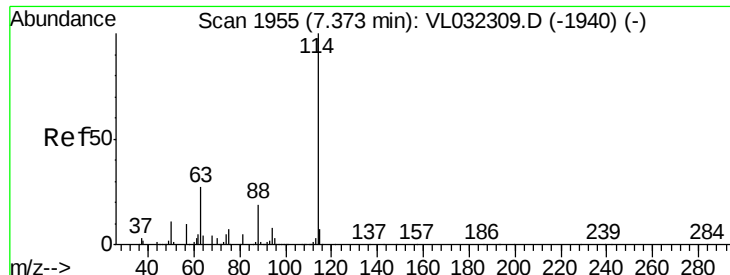
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

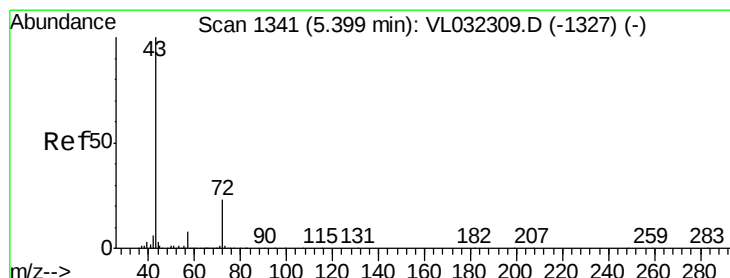
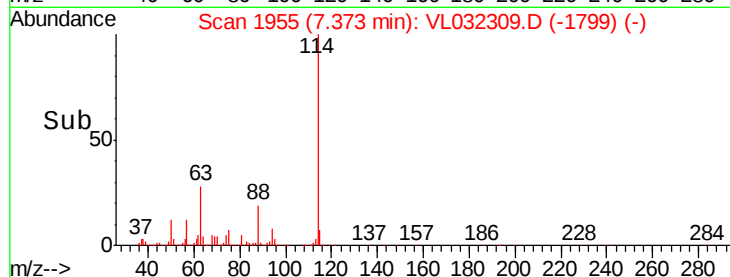
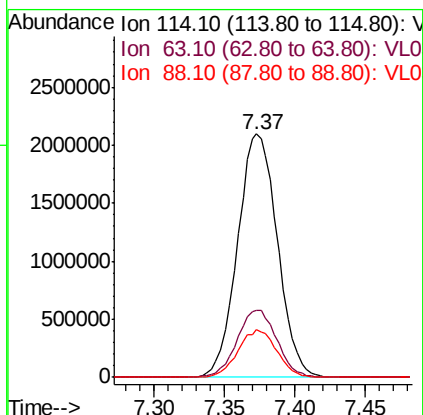
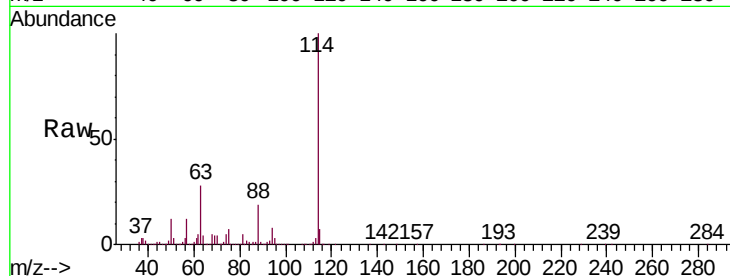




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

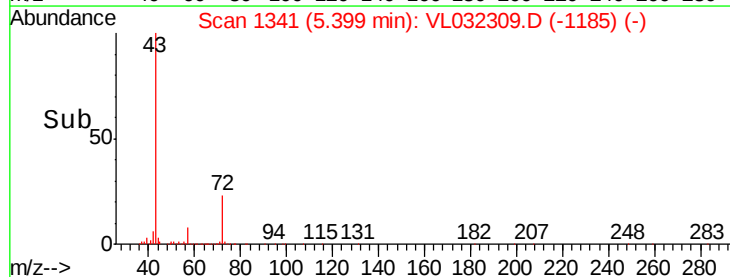
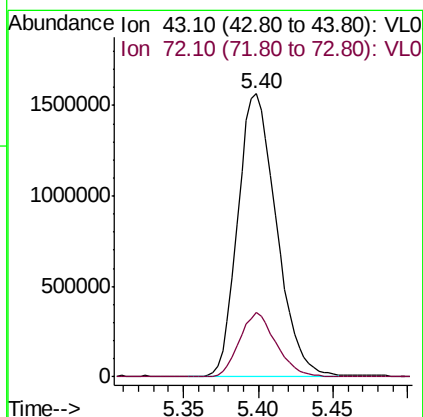
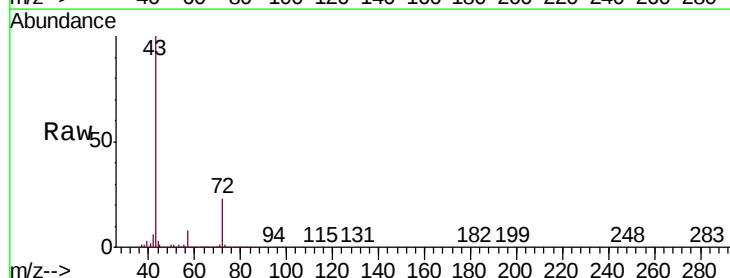
Instrument :
 MSVOA_L
 ClientSampleId :

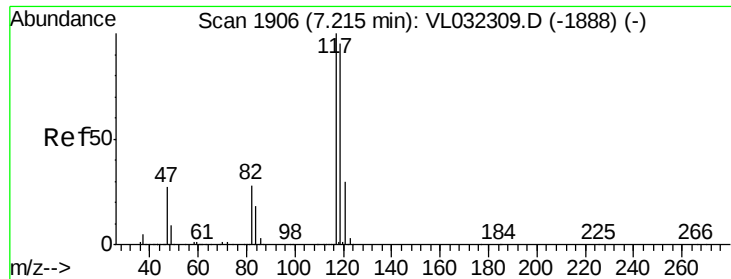
Tot Ion:114 Resp: 4145843
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 19.1 15.3 22.9



#34
 2-Butanone
 Concen: 9.837 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion: 43 Resp: 2821898
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.4 26.2





#35

Carbon Tetrachloride

Concen: 9.052 ppbv

RT: 7.22 min Scan# 1906

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

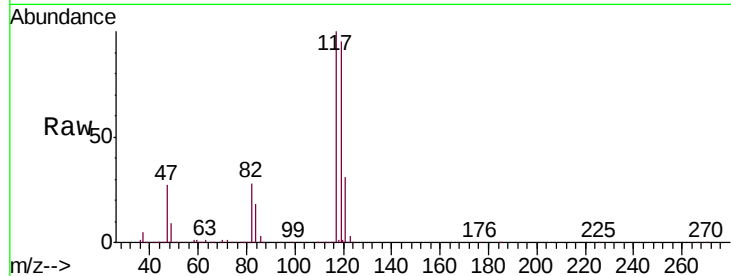
Tot Ion:117 Resp: 2567455

Ion Ratio Lower Upper

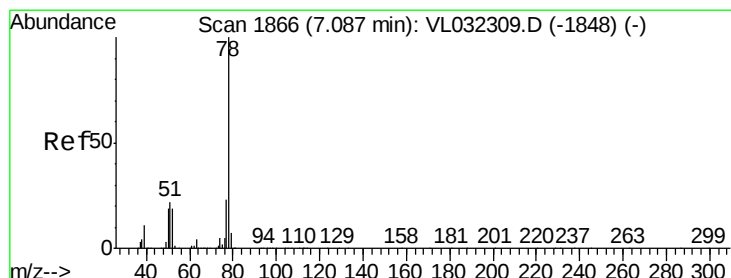
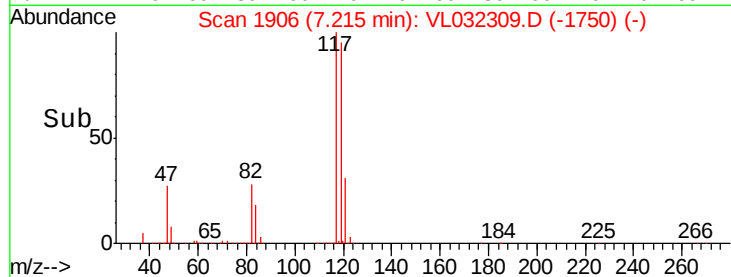
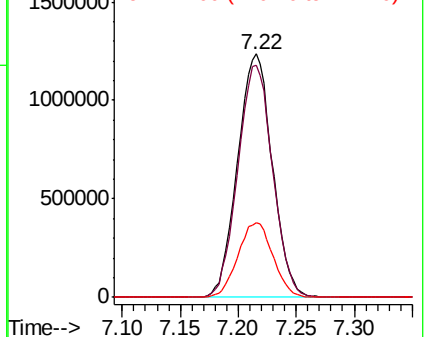
117 100

119 95.1 76.1 114.1

121 30.5 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: 9.575 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

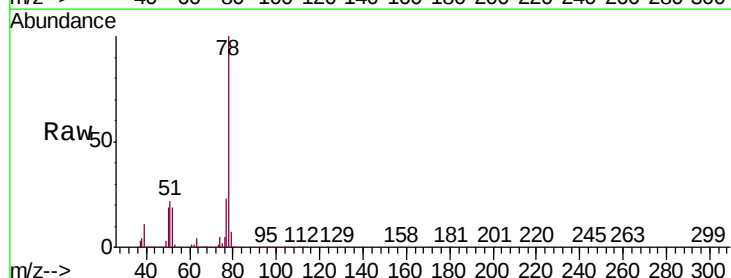
Tgt Ion: 78 Resp: 3924015

Ion Ratio Lower Upper

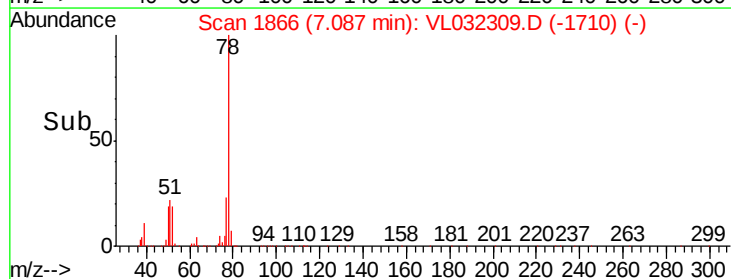
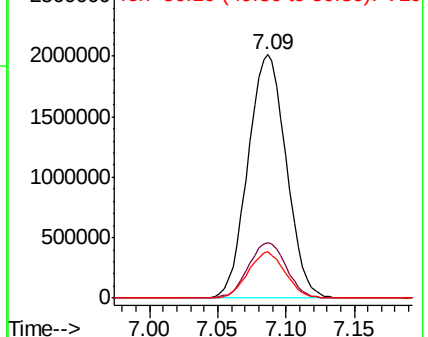
78 100

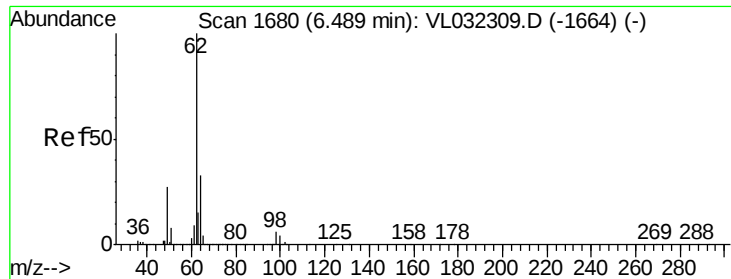
77 23.0 18.4 27.6

50 19.1 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: 8.954 ppbv

RT: 6.49 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

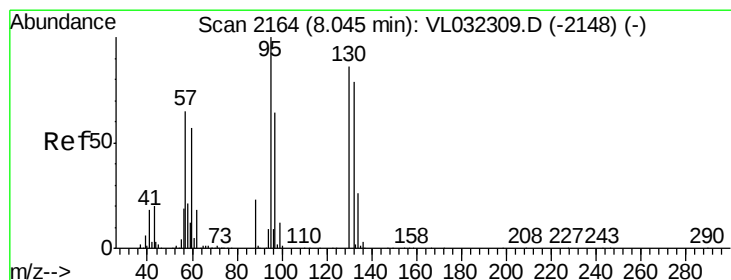
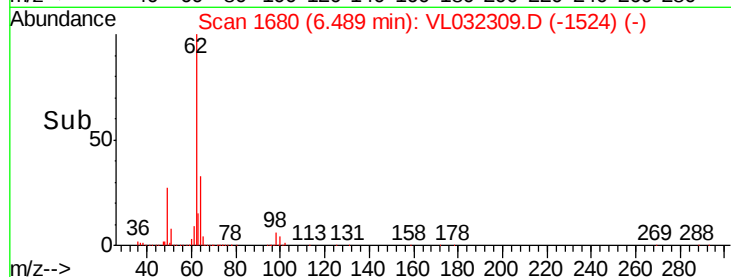
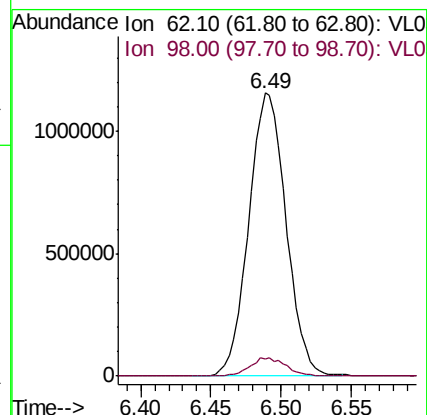
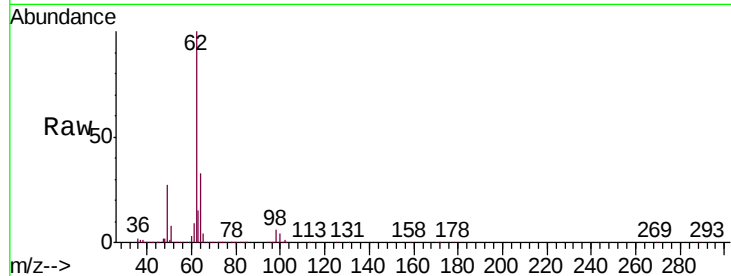
ClientSampleId :

Tot Ion: 62 Resp: 2143112

Ion Ratio Lower Upper

62 100

98 6.4 5.1 7.7



#38

Trichloroethene

Concen: 11.179 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 130 Resp: 1551102

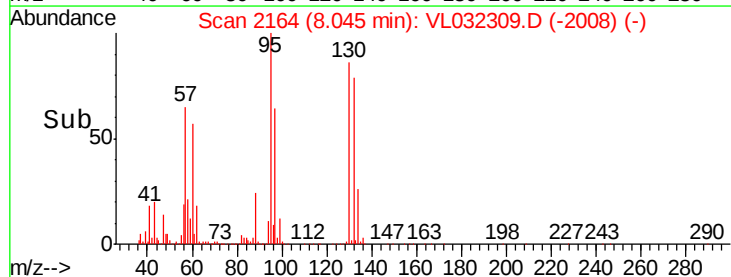
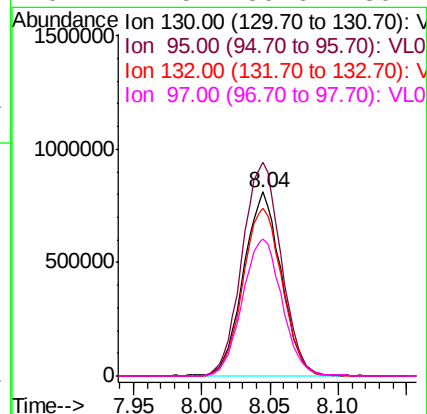
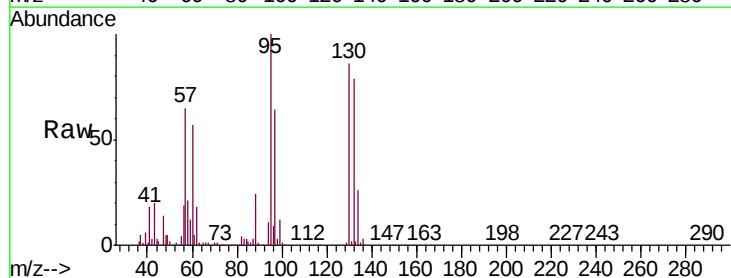
Ion Ratio Lower Upper

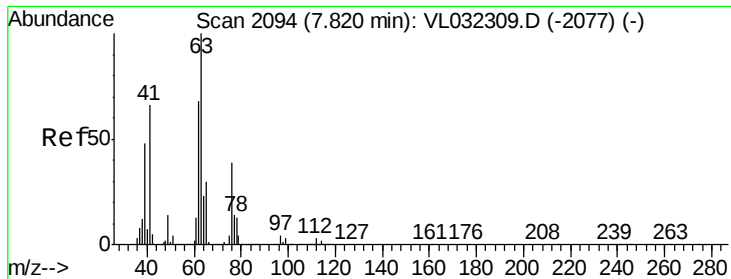
130 100

95 116.1 92.9 139.3

132 91.2 73.0 109.4

97 74.5 59.6 89.4

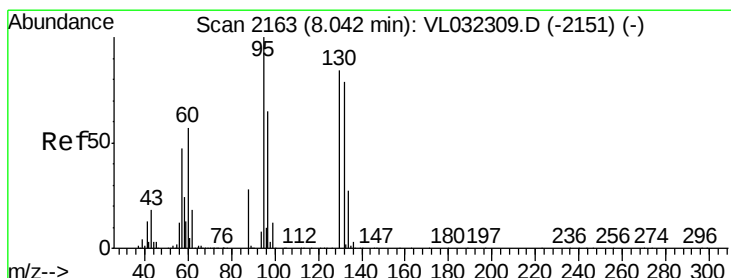
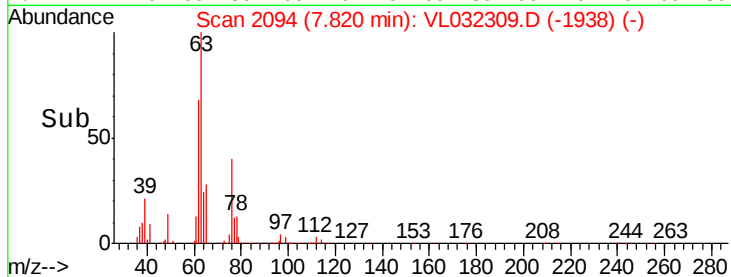
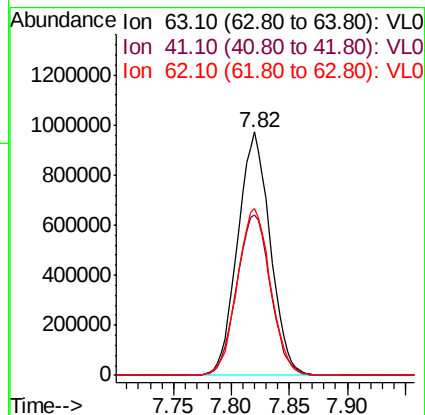
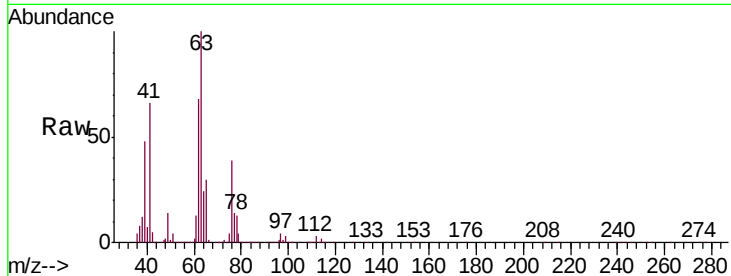




#39
 1,2-Dichloropropane
 Concen: 11.237 ppbv
 RT: 7.82 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

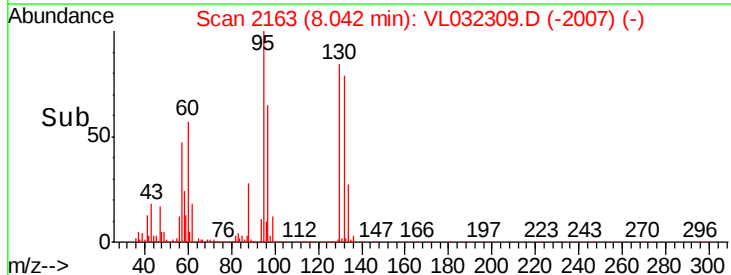
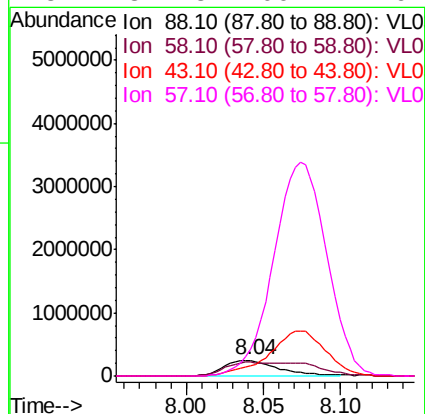
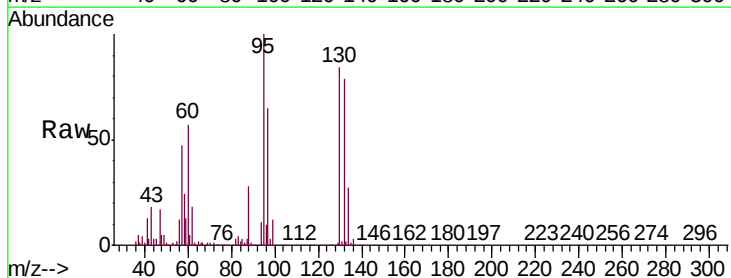
Instrument :
 MSVOA_L
 ClientSampleId :

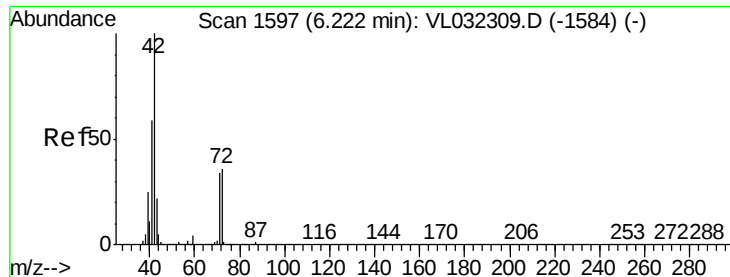
Tot Ion: 63 Resp: 1899789
 Ion Ratio Lower Upper
 63 100
 41 65.6 52.5 78.7
 62 68.2 54.6 81.8



#40
 1,4-Dioxane
 Concen: 11.956 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion: 88 Resp: 594117
 Ion Ratio Lower Upper
 88 100
 58 150.3 120.5 180.7
 43 309.1 246.2 369.2
 57 1371.5 1097.4 1646.2





#41

Tetrahydrofuran

Concen: 10.226 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

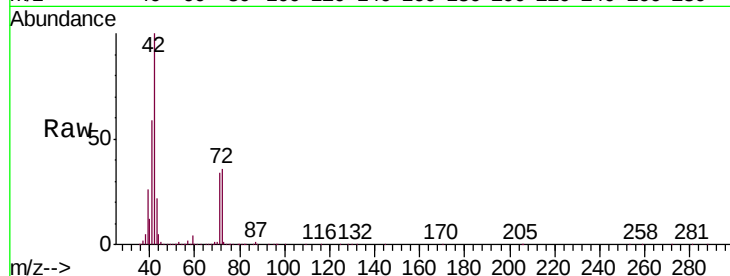
Tot Ion: 42 Resp: 1690708

Ion Ratio Lower Upper

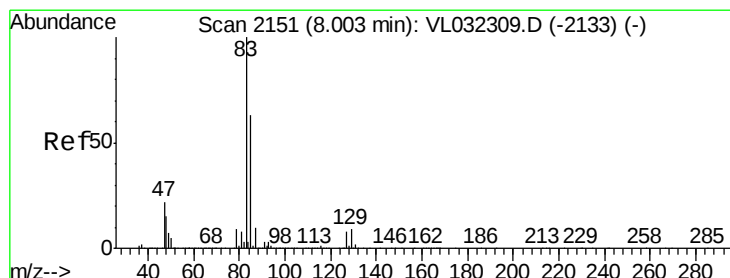
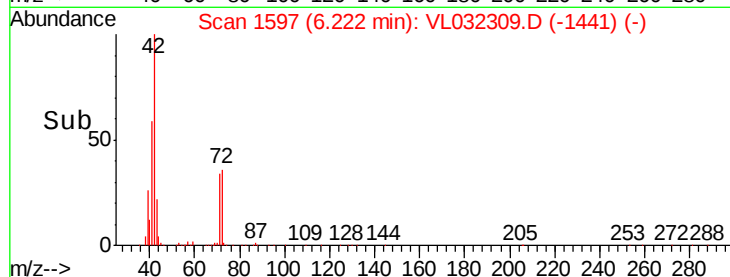
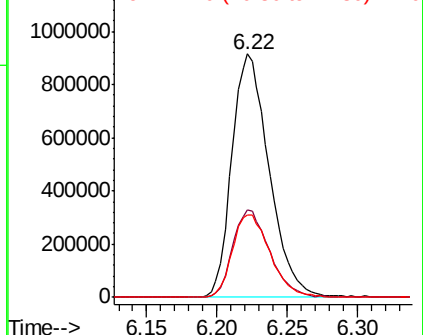
42 100

72 35.7 28.6 42.8

71 34.8 27.8 41.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.306 ppbv

RT: 8.00 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

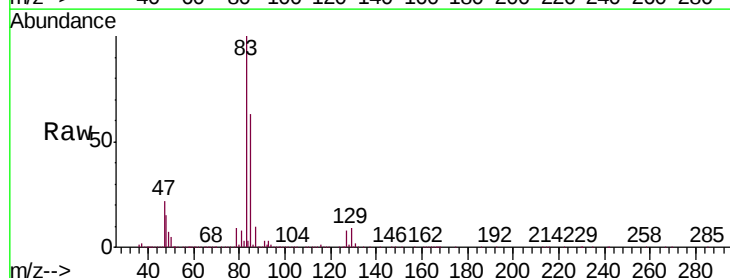
Tgt Ion: 83 Resp: 3581490

Ion Ratio Lower Upper

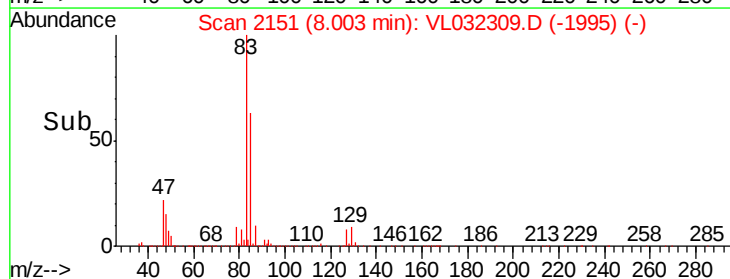
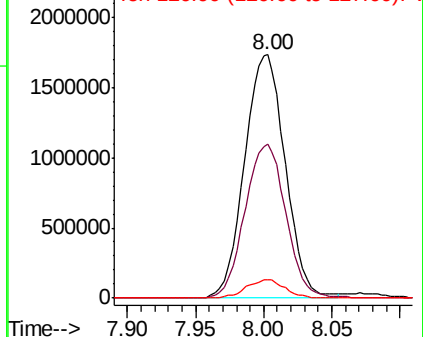
83 100

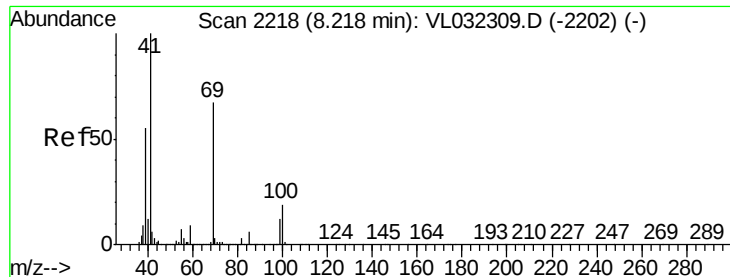
85 63.4 50.7 76.1

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

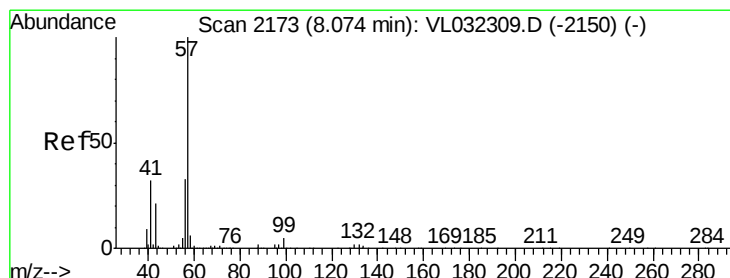
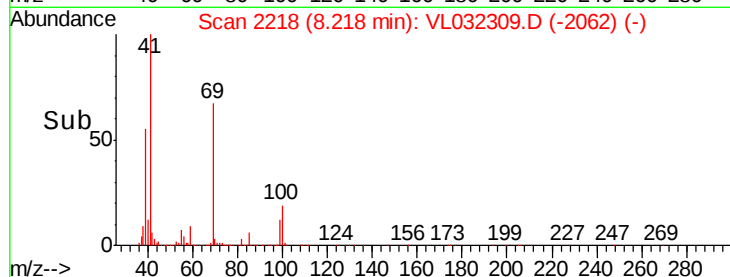
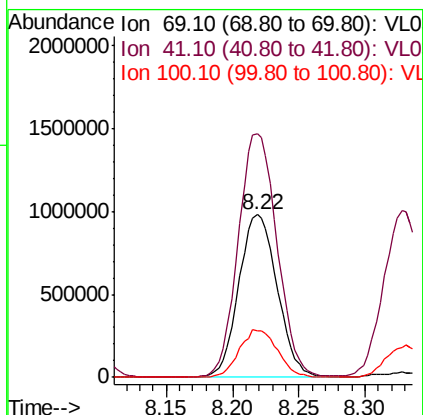
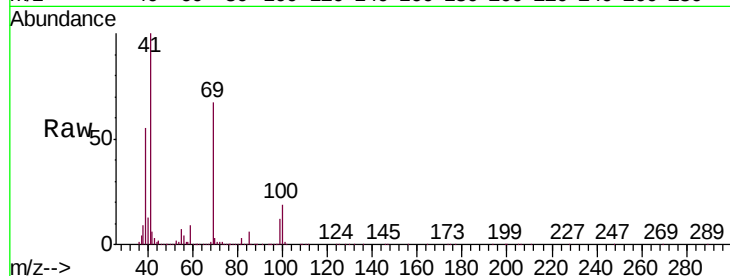




#43
Methvl Methacrilate
Concen: 11.788 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

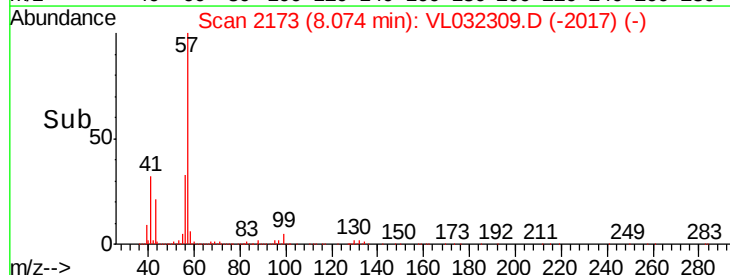
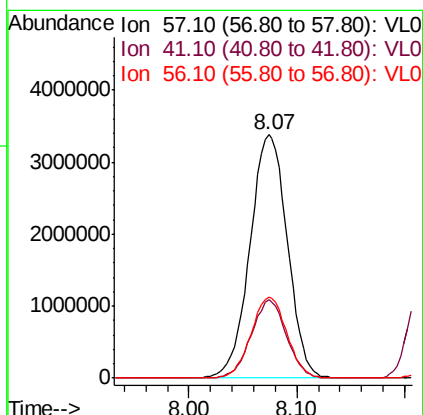
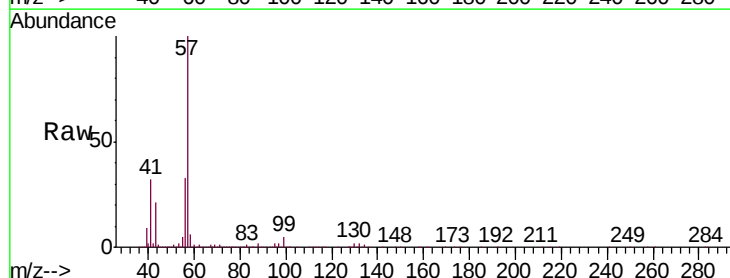
Instrument :
MSVOA_L
ClientSampleId :

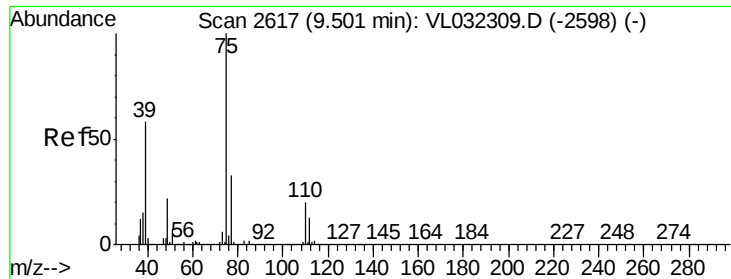
Tot Ion: 69 Resp: 1983063
Ion Ratio Lower Upper
69 100
41 150.7 120.6 180.8
100 29.0 23.2 34.8



#44
2,2,4-Trimethylpentane
Concen: 11.210 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 57 Resp: 8136698
Ion Ratio Lower Upper
57 100
41 30.3 24.3 36.5
56 31.8 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 12.078 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

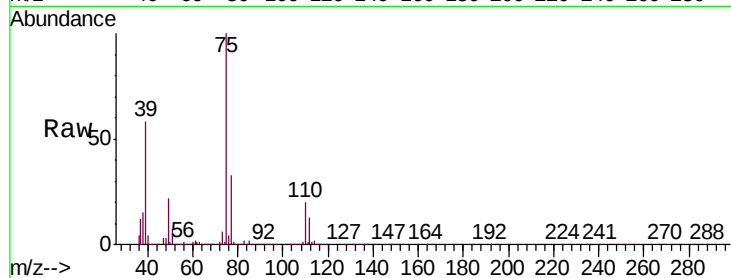
ClientSampled :

Tot Ion: 75 Resp: 2462887

Ion Ratio Lower Upper

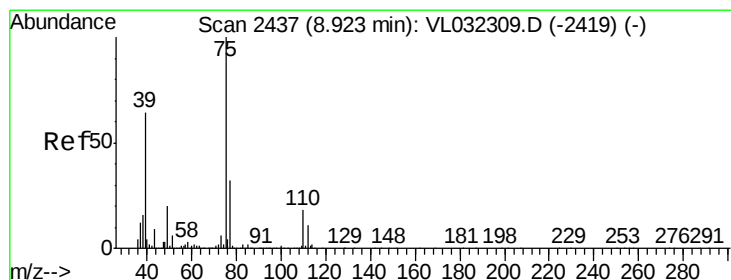
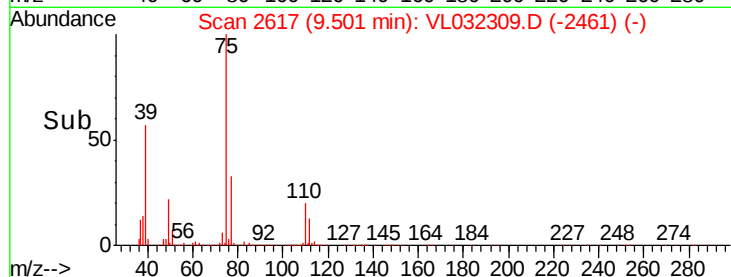
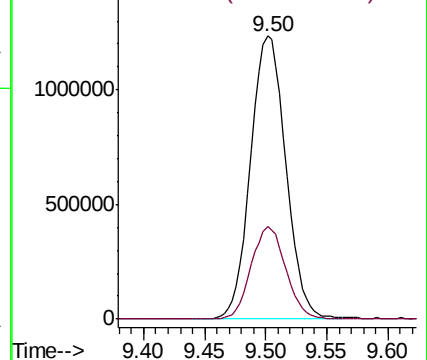
75 100

77 32.8 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: 11.501 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

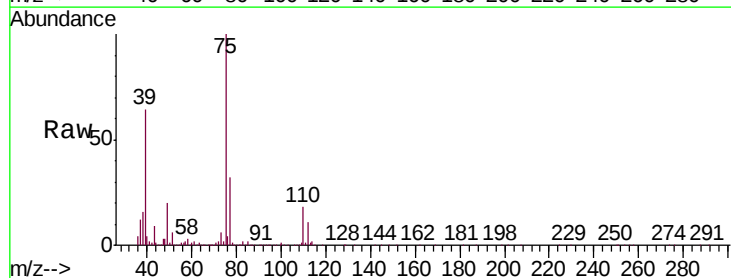
Tgt Ion: 75 Resp: 2908518

Ion Ratio Lower Upper

75 100

39 63.6 50.9 76.3

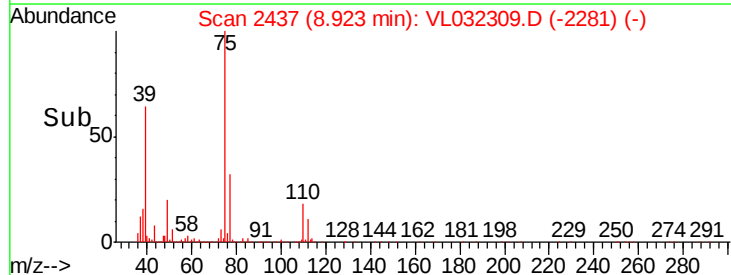
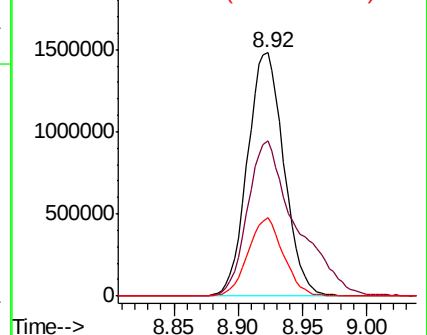
77 32.1 25.7 38.5

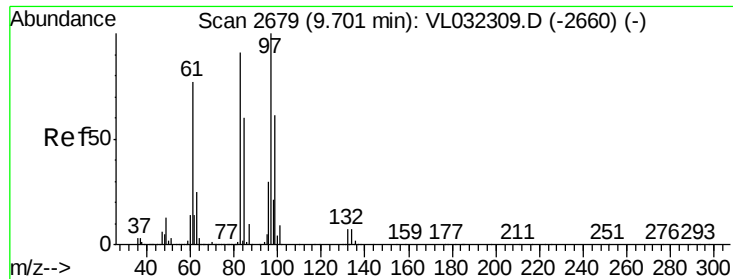


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 10.275 ppbv

RT: 9.70 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1809250

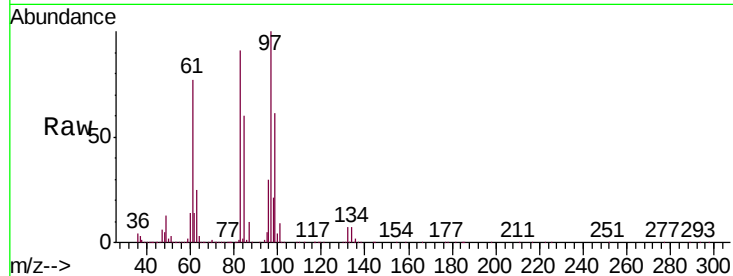
Ion Ratio Lower Upper

97 100

83 91.3 73.0 109.6

85 60.1 48.1 72.1

99 60.6 48.5 72.7

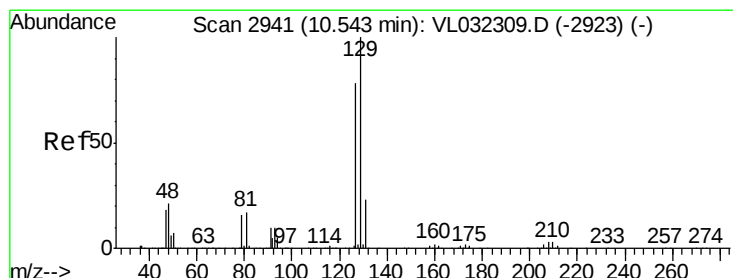
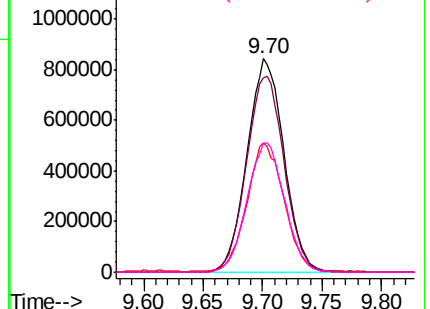
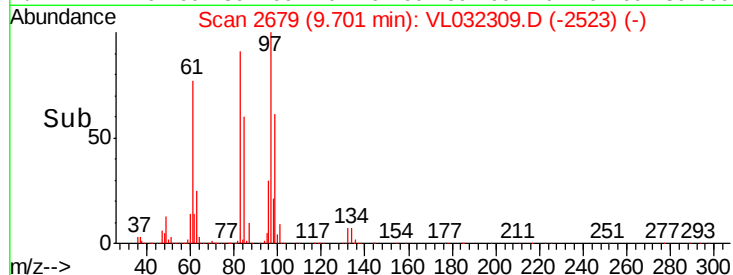


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.801 ppbv

RT: 10.54 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VL032309.D

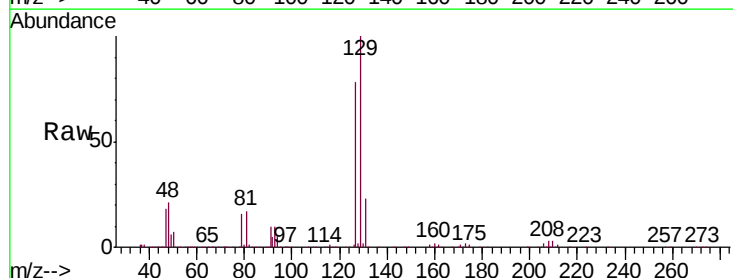
Acq: 27 Jul 2018 00:36

Tgt Ion: 129 Resp: 2796095

Ion Ratio Lower Upper

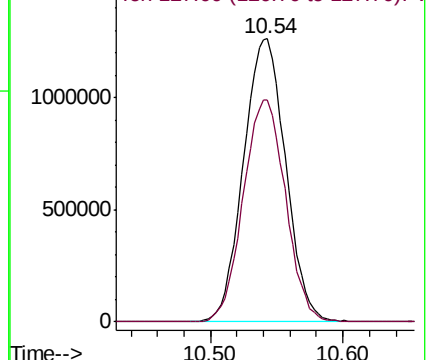
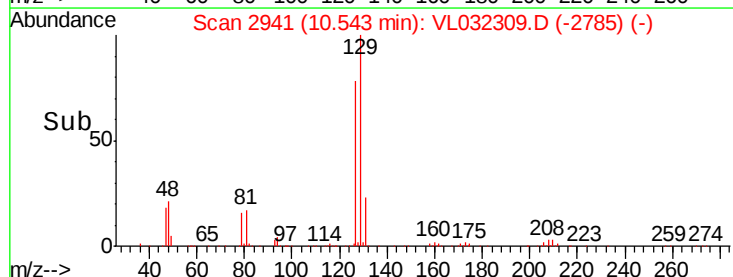
129 100

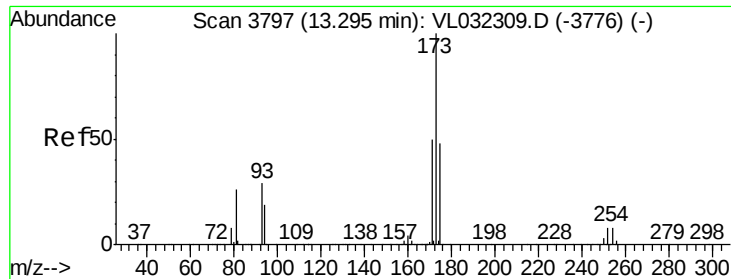
127 78.9 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.330 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

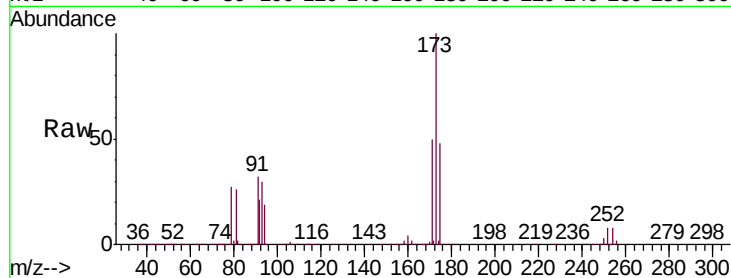
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 2330347

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.9	58.3
171	52.6	42.2	63.2

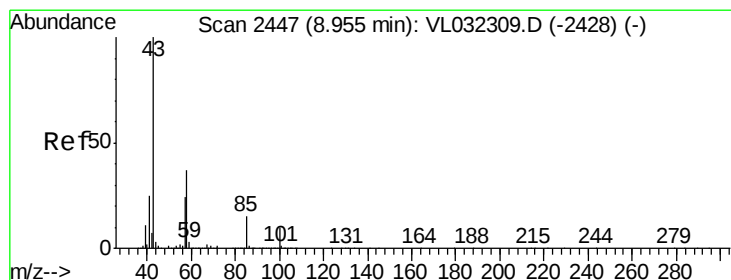
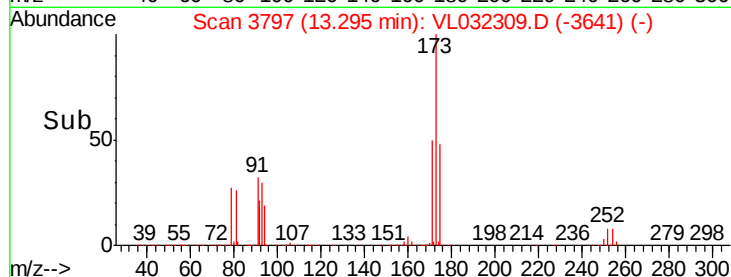
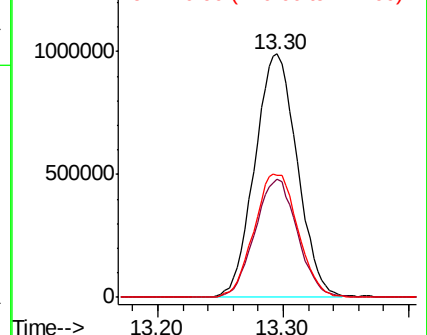


Abundance

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: 10.697 ppbv

RT: 8.95 min Scan# 2447

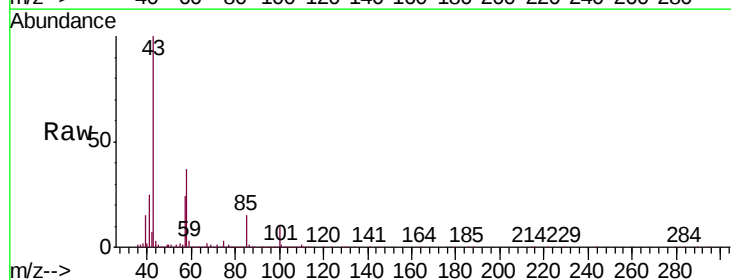
Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 43 Resp: 5062466

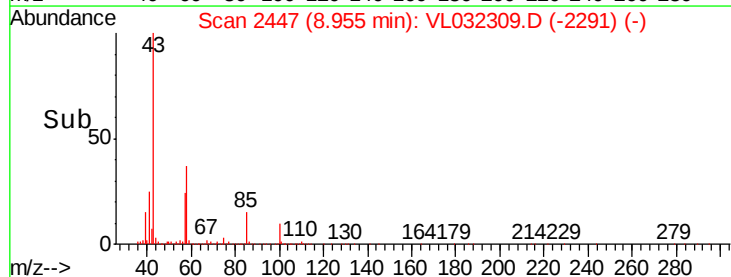
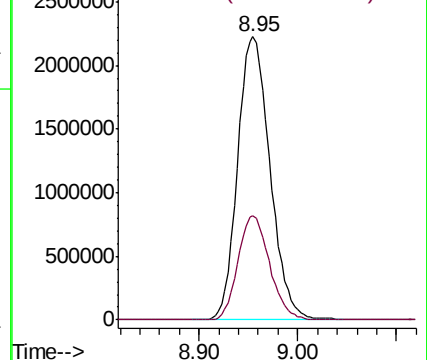
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

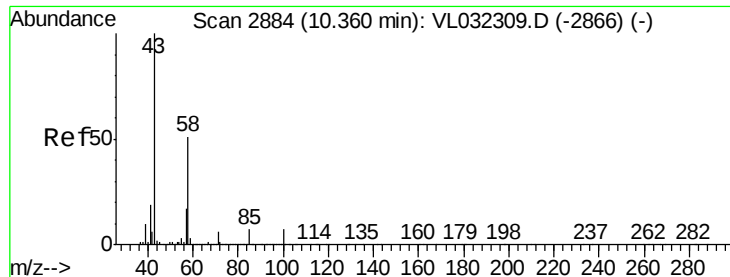


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

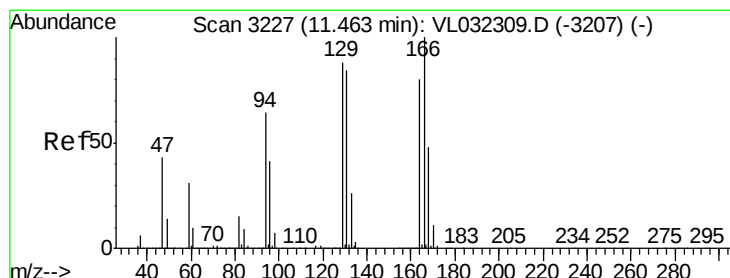
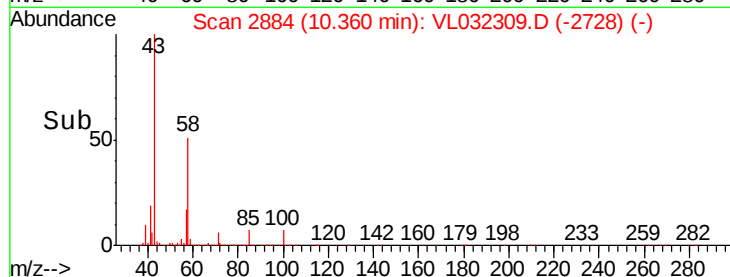
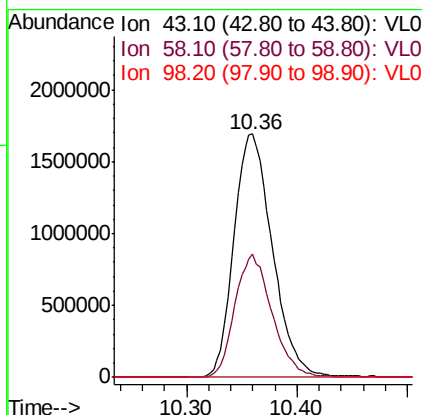
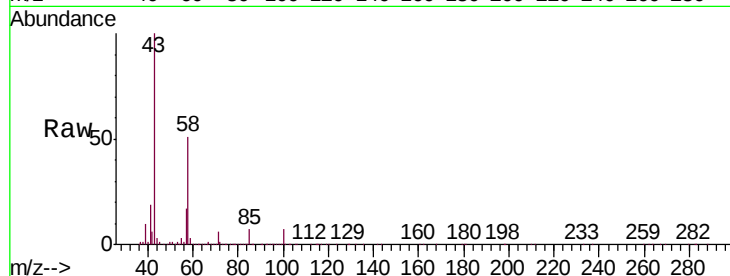




#51
2-Hexanone
Concen: 10.966 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

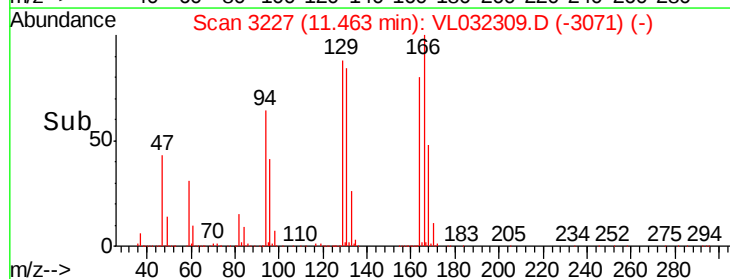
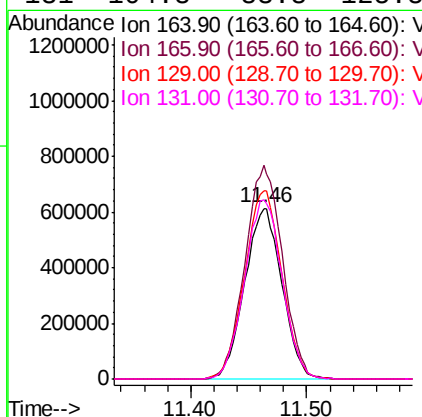
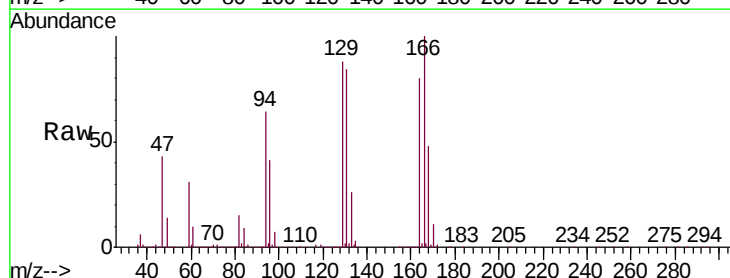
Instrument :
MSVOA_L
ClientSampled :

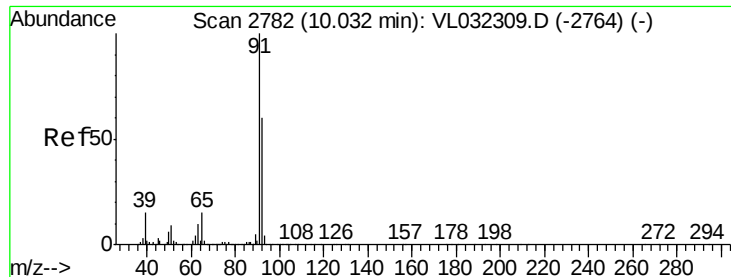
Tot Ion: 43 Resp: 4084586
Ion Ratio Lower Upper
43 100
58 48.9 39.1 58.7
98 0.3 0.3 0.5



#52
Tetrachloroethene
Concen: 9.697 ppbv
RT: 11.46 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:164 Resp: 1370436
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 109.9 87.9 131.9
131 104.8 83.8 125.8





#53

Toluene

Concen: 10.088 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

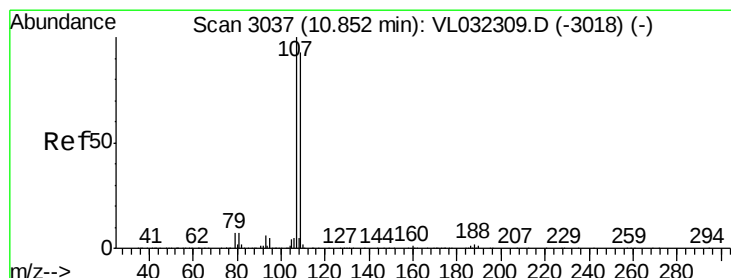
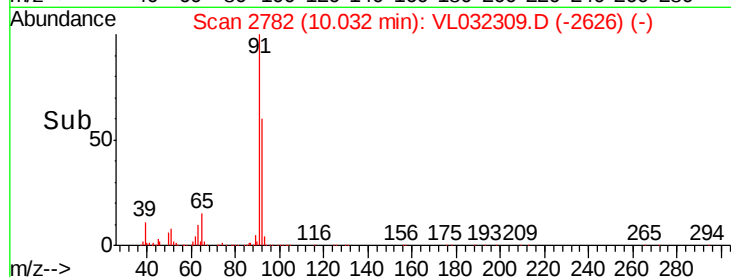
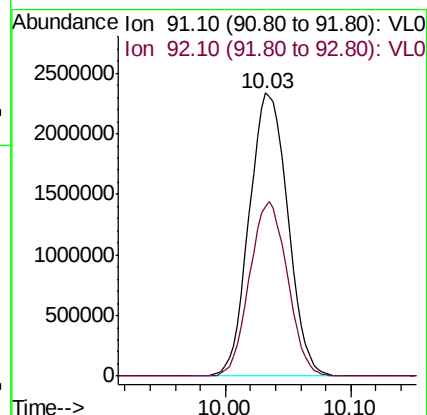
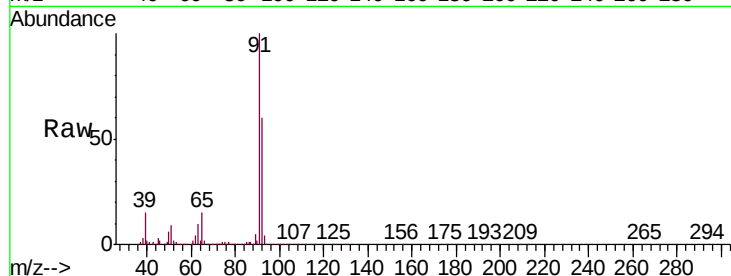
ClientSampleId :

Tot Ion: 91 Resp: 5006269

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.301 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VL032309.D

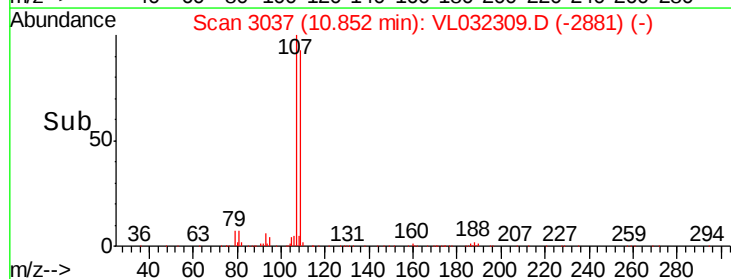
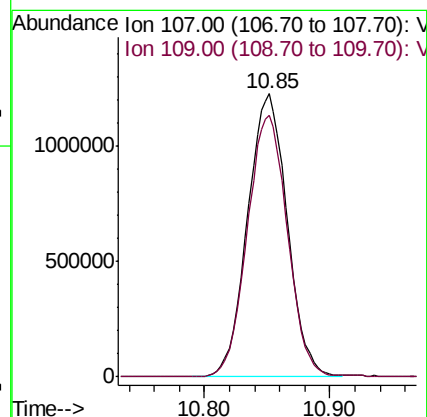
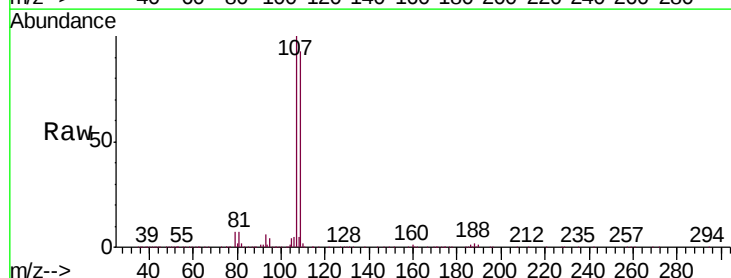
Acq: 27 Jul 2018 00:36

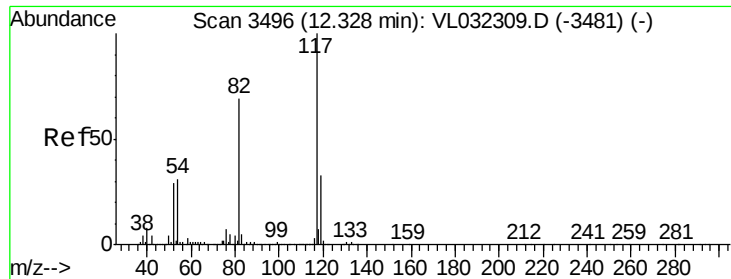
Tgt Ion: 107 Resp: 2691328

Ion Ratio Lower Upper

107 100

109 92.6 74.1 111.1

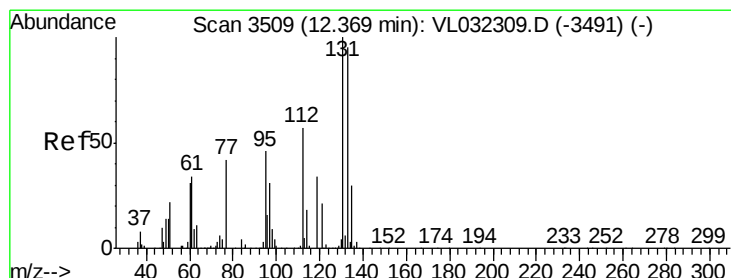
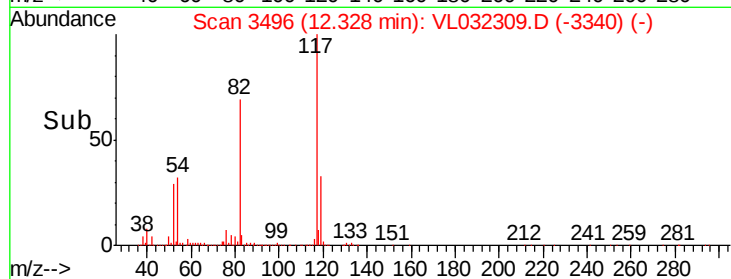
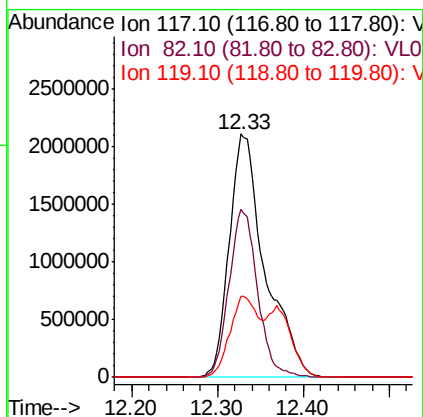
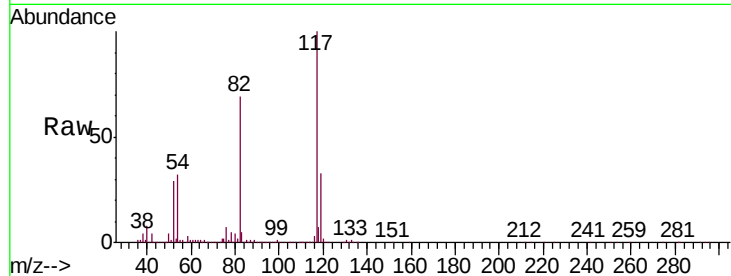




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

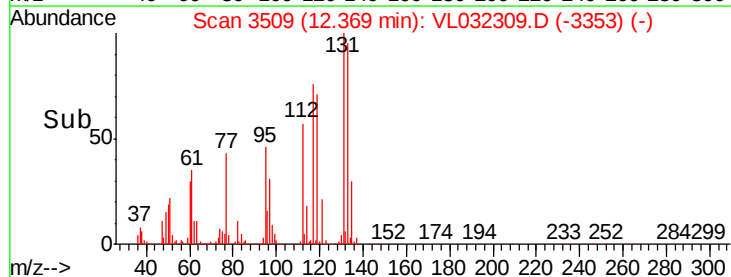
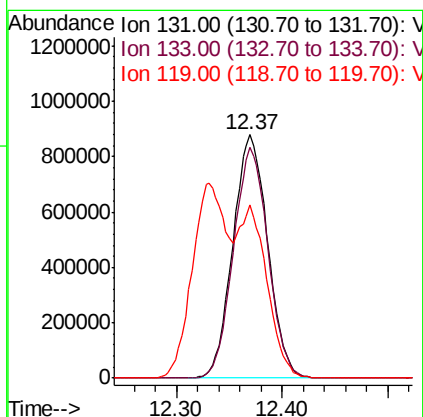
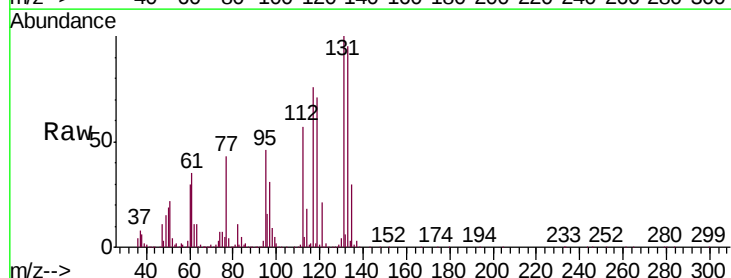
Instrument :
MSVOA_L
ClientSampled :

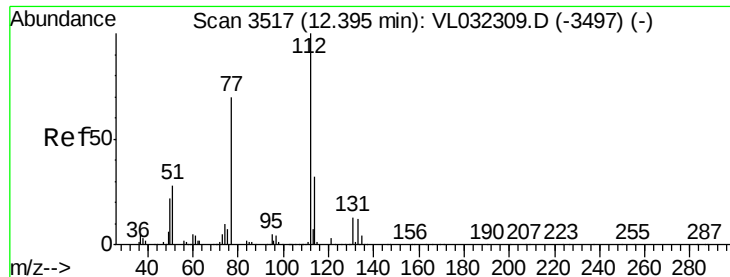
Tot Ion:117 Resp: 6082622
Ion Ratio Lower Upper
117 100
82 55.2 52.6 78.8
119 25.4 25.7 38.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.455 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:131 Resp: 2009614
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 60.1 48.1 72.1

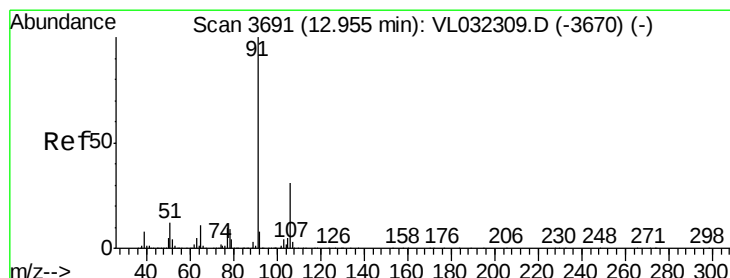
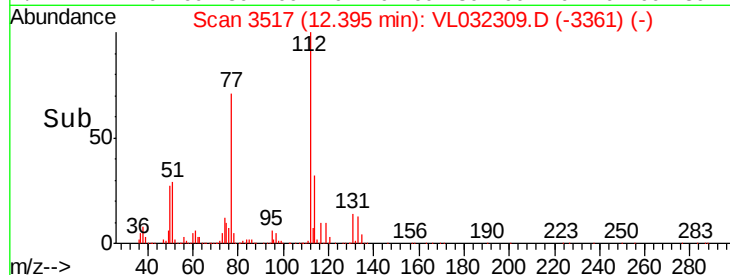
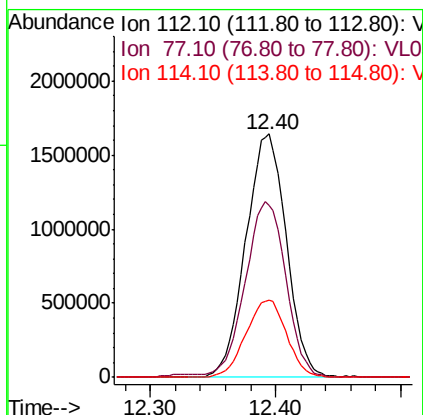
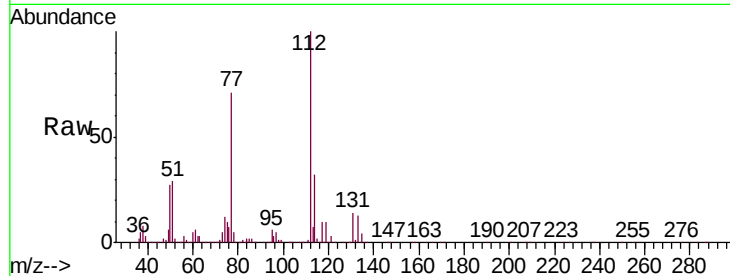




#57
Chlorobenzene
Concen: 7.411 ppbv
RT: 12.40 min Scan# 3517
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

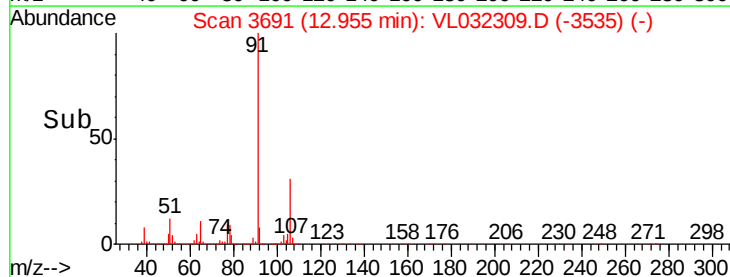
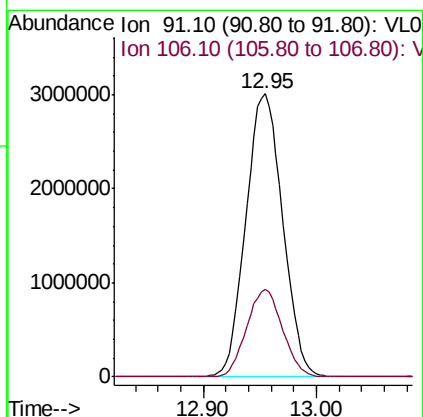
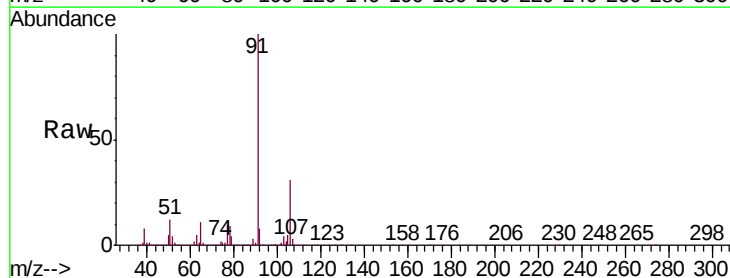
Instrument :
MSVOA_L
ClientSampleId :

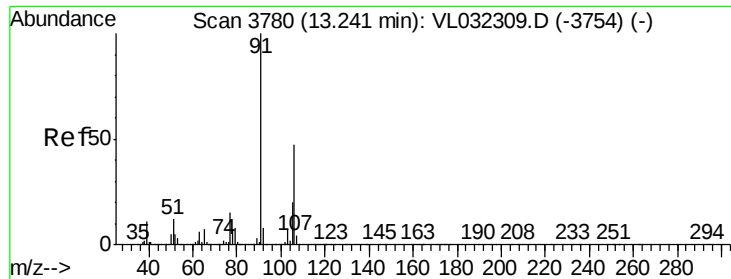
Tot Ion:112 Resp: 3691386
Ion Ratio Lower Upper
112 100
77 70.6 56.5 84.7
114 31.5 28.4 34.7



#58
Ethyl Benzene
Concen: 8.067 ppbv
RT: 12.95 min Scan# 3691
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 6800917
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

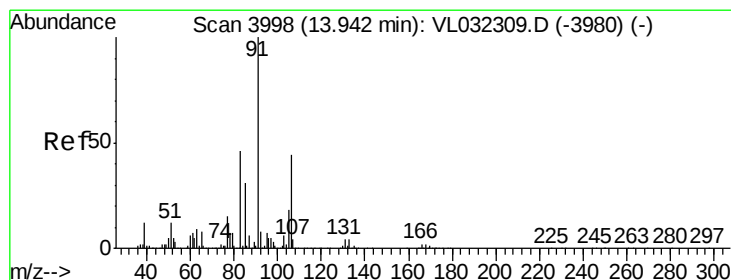
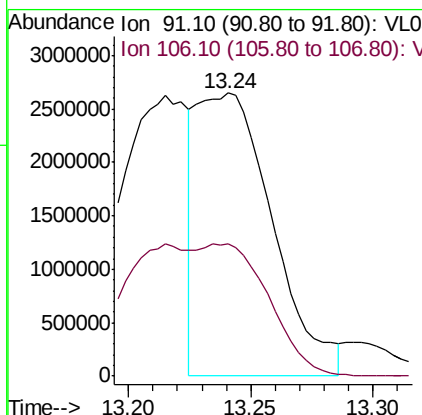
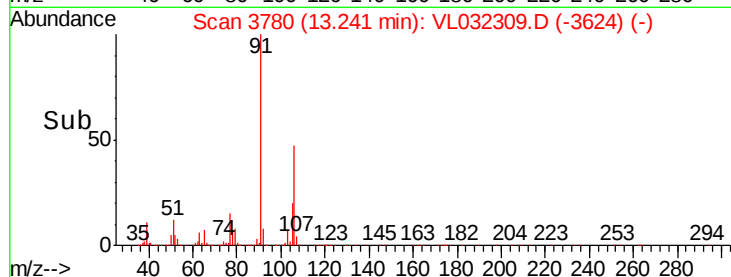
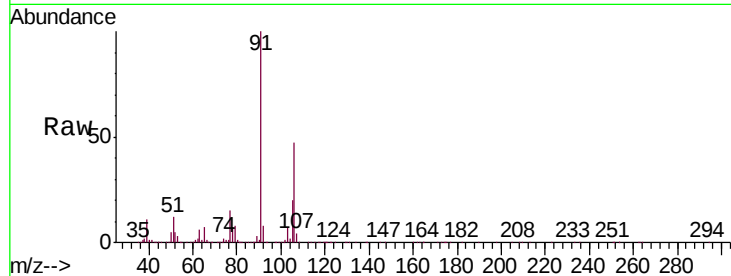




#59
m/p-Xylene
Concen: 7.764 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

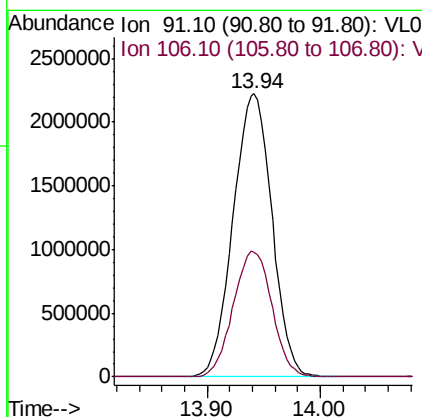
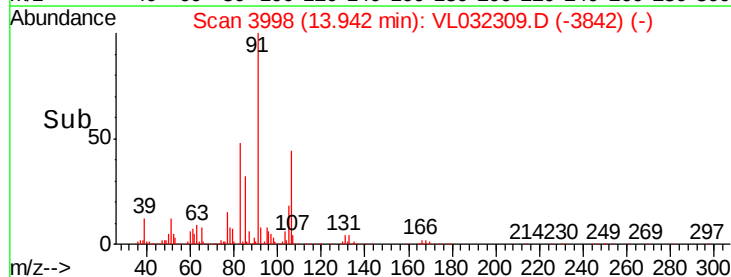
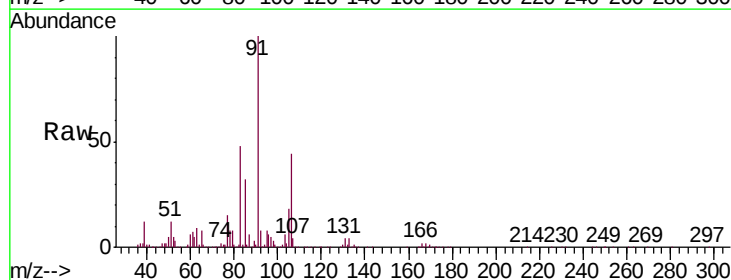
Instrument :
MSVOA_L
ClientSampled :

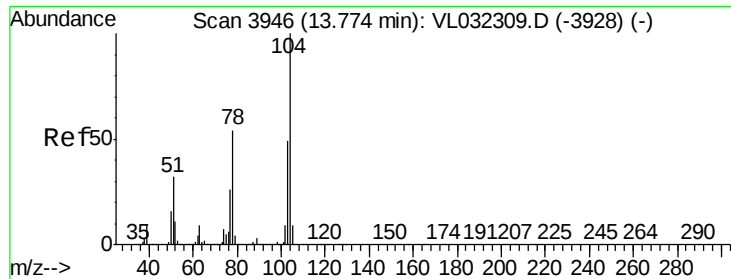
Tot Ion: 91 Resp: 5647534
Ion Ratio Lower Upper
91 100
106 88.1 36.4 54.6#



#60
o-Xylene
Concen: 7.295 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 5287685
Ion Ratio Lower Upper
91 100
106 44.7 22.4 67.0

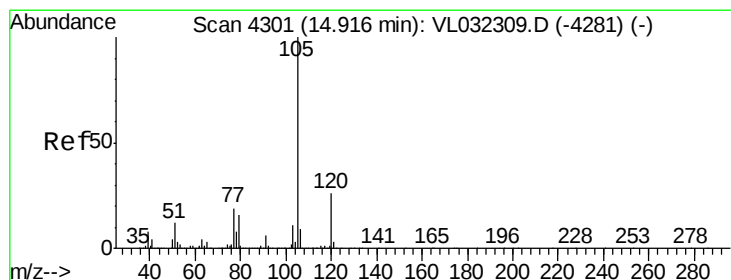
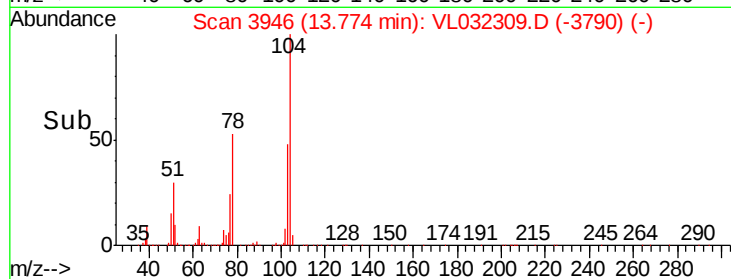
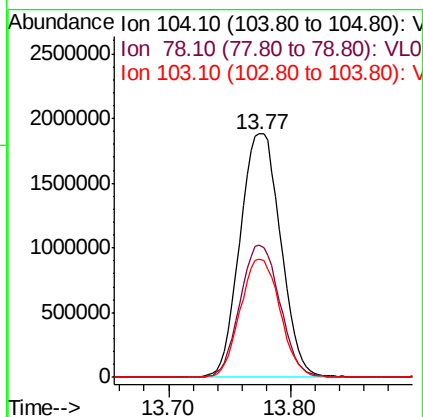
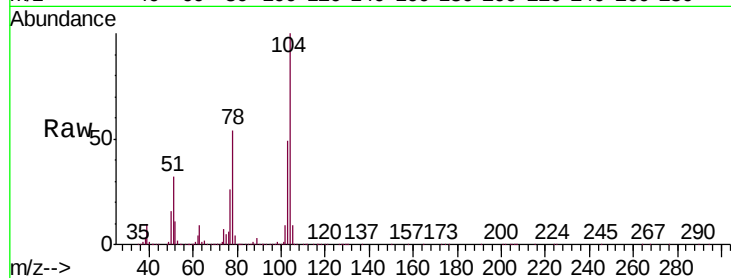




#61
Stvrene
Concen: 8.149 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

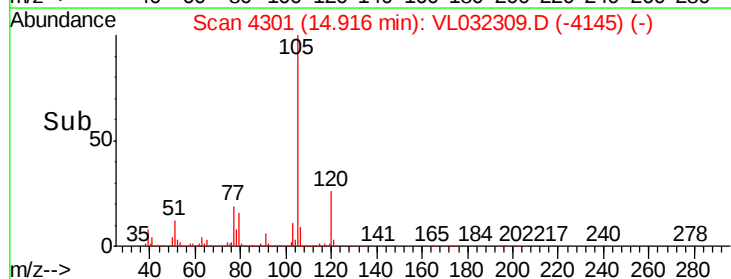
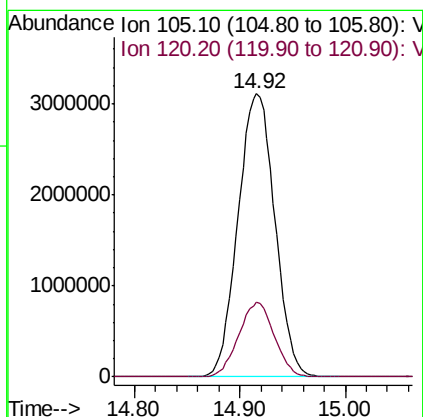
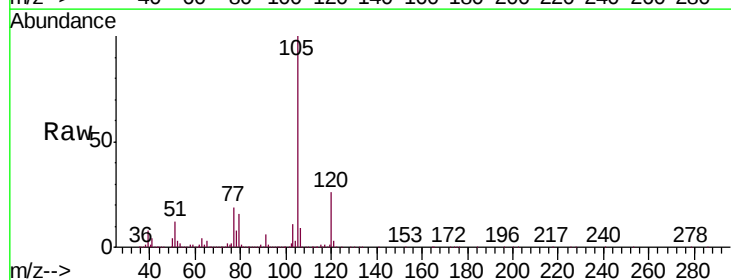
Instrument :
MSVOA_L
ClientSampleId :

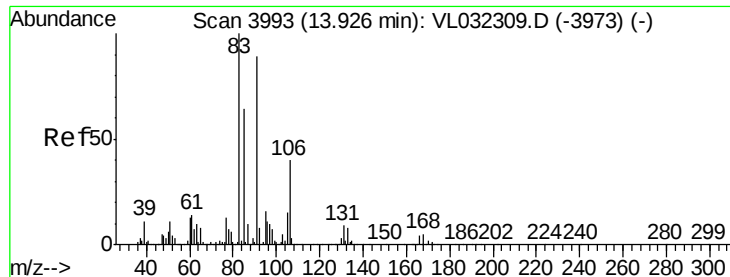
Tot Ion:104 Resp: 4340433
Ion Ratio Lower Upper
104 100
78 53.2 42.6 63.8
103 47.5 38.0 57.0



#62
Isopropylbenzene
Concen: 7.350 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:105 Resp: 7542547
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 6.415 ppbv

RT: 13.93 min Scan# 3993

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

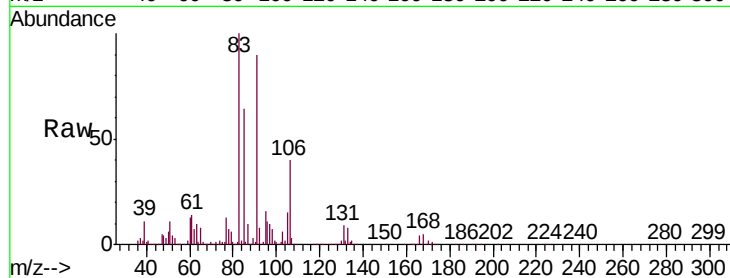
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 3972690

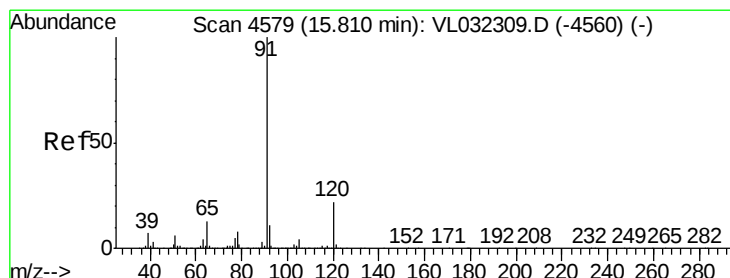
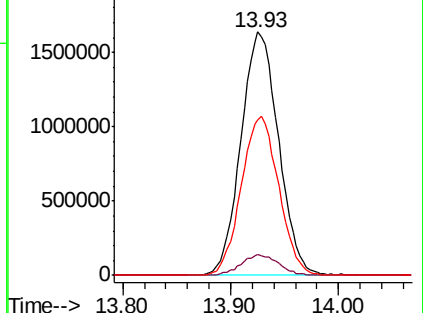
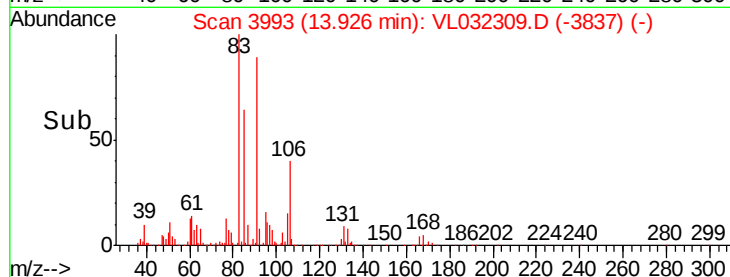
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	65.1	32.6	97.7



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: 7.515 ppbv

RT: 15.81 min Scan# 4579

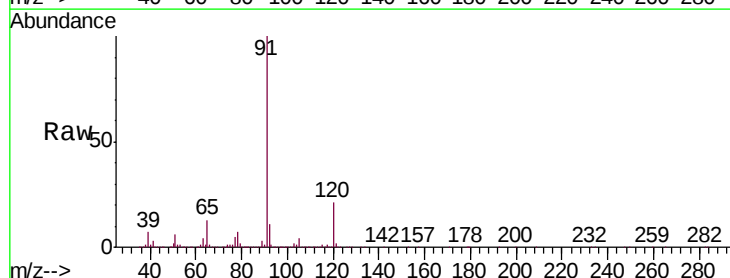
Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

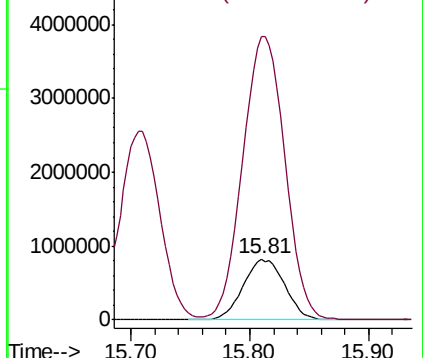
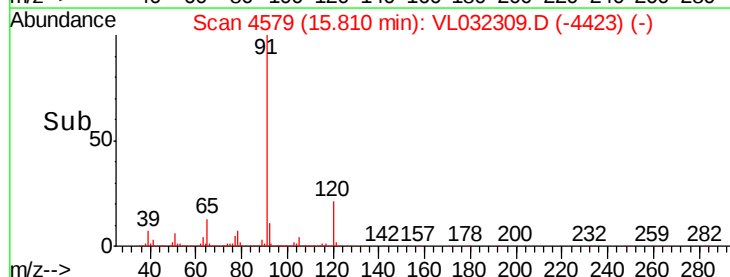
Tgt Ion: 120 Resp: 1978127

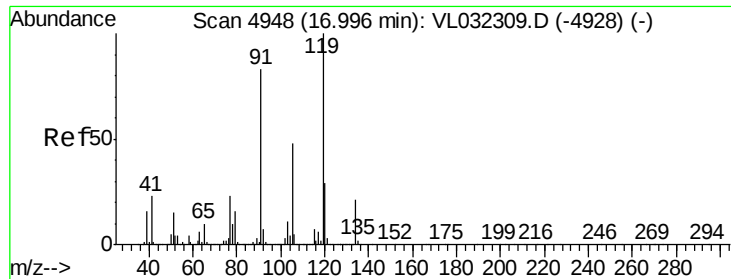
Ion	Ratio	Lower	Upper
120	100		
91	477.3	381.8	572.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.042 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

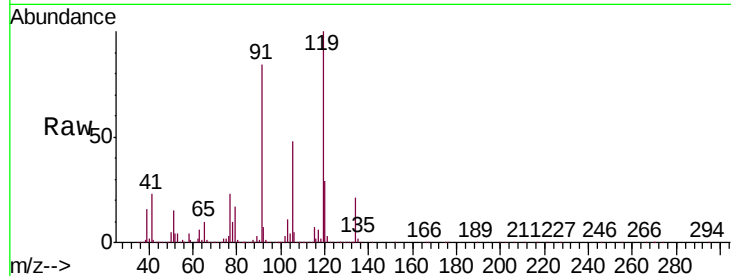
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:119 Resp: 6166303

Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.5	101.3
134	19.7	15.8	23.6

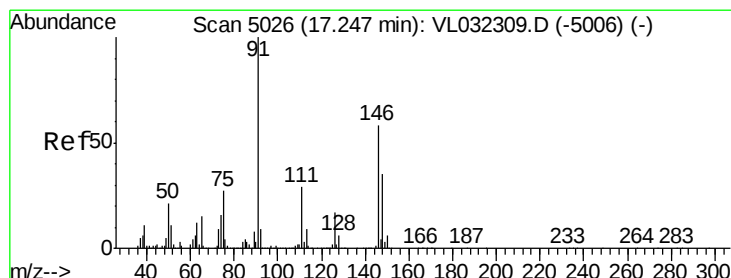
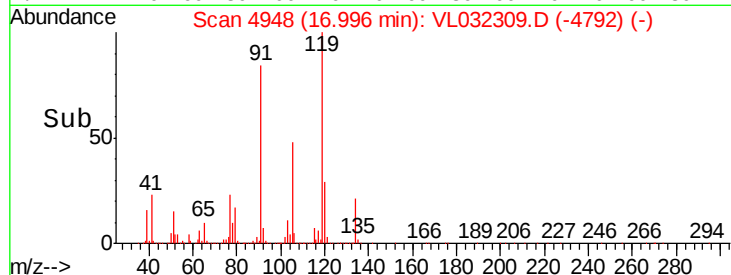


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

Time-->



#66

Benzyl Chloride

Concen: 8.961 ppbv

RT: 17.25 min Scan# 5026

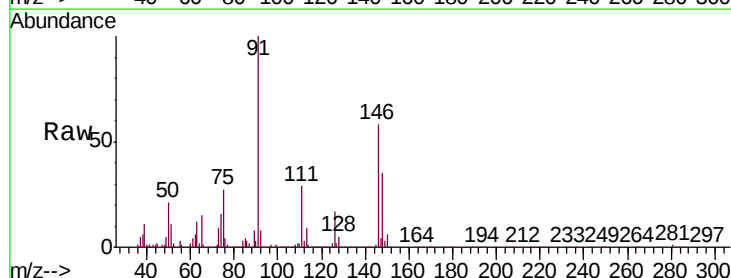
Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 4395080

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.7	20.5
128	5.4	4.3	6.5

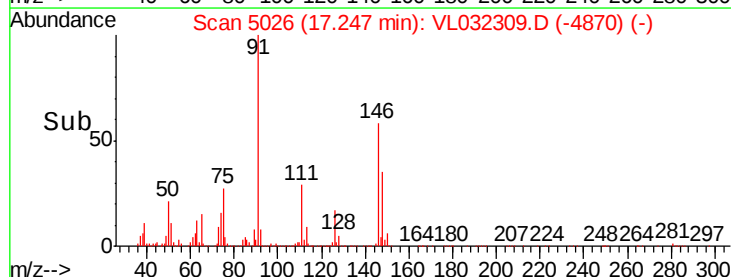


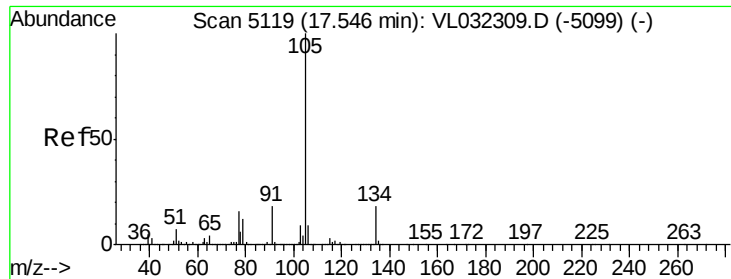
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

Time-->





#67

sec-Butylbenzene

Concen: 7.067 ppbv

RT: 17.55 min Scan# 5119

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

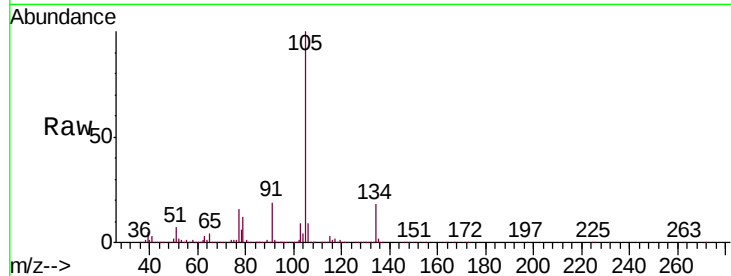
ClientSampleId :

Tot Ion:105 Resp: 9247233

Ion Ratio Lower Upper

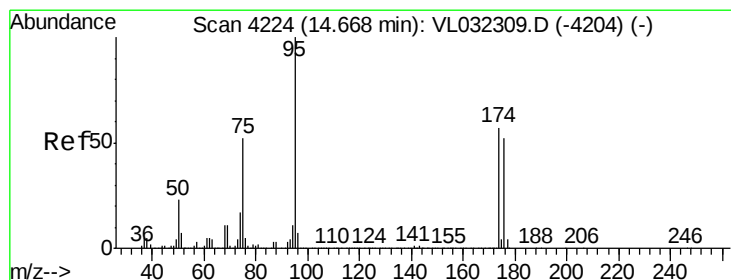
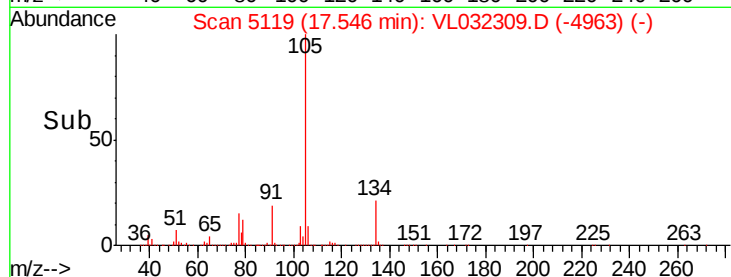
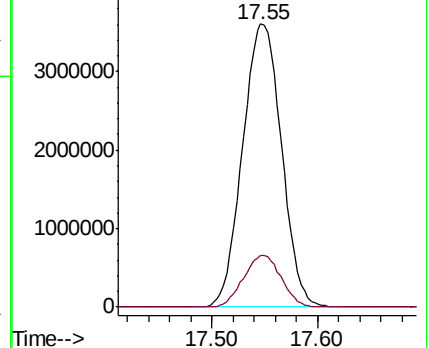
105 100

134 17.8 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.848 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

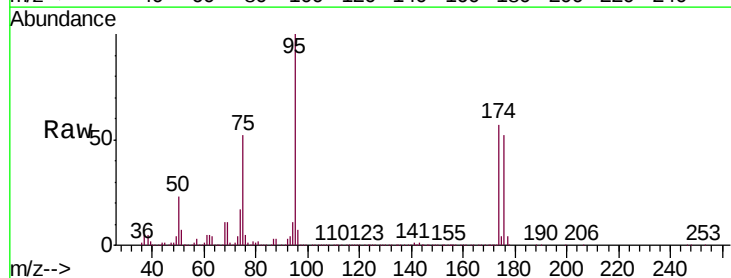
Tgt Ion: 95 Resp: 3820050

Ion Ratio Lower Upper

95 100

174 57.0 45.5 68.3

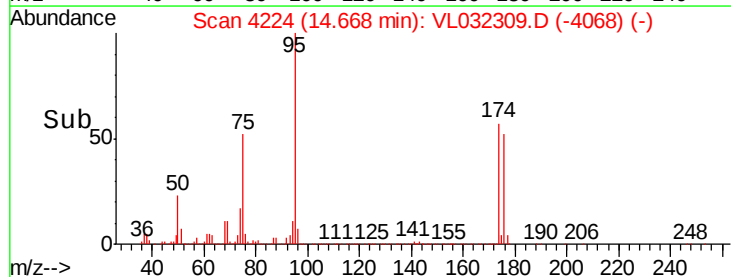
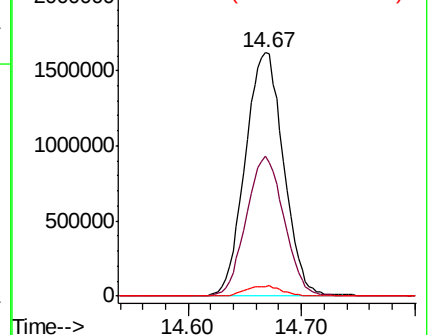
175 4.1 3.3 4.9

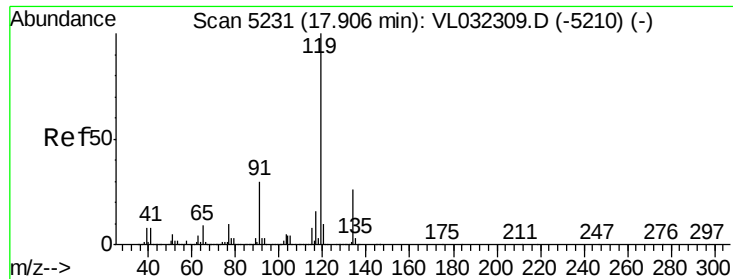


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



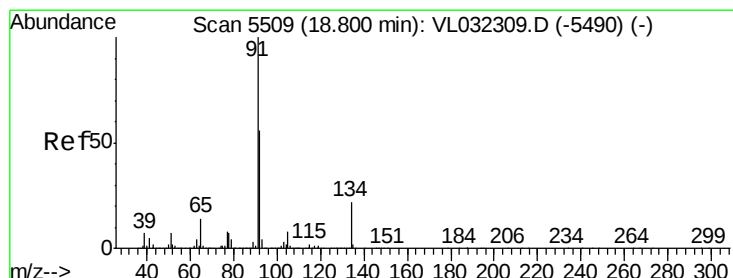
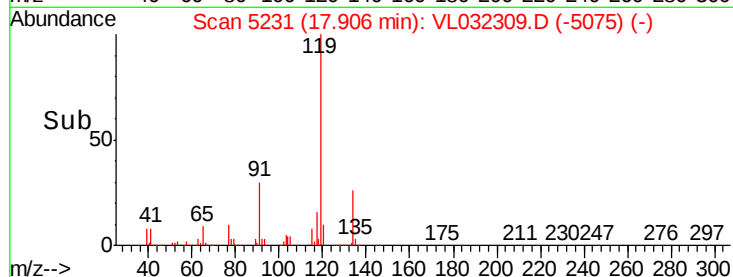
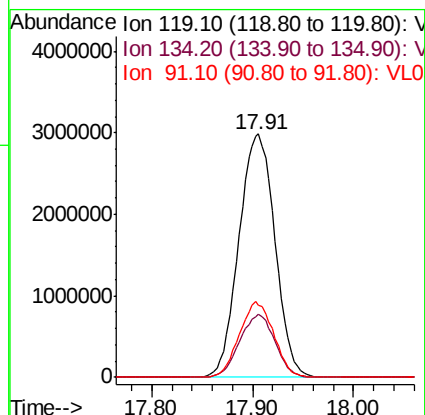
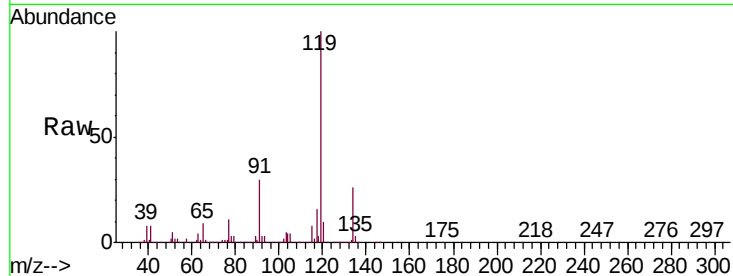


#69
 p-Isopropyltoluene
 Concen: 7.275 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 119 Resp: 7369632

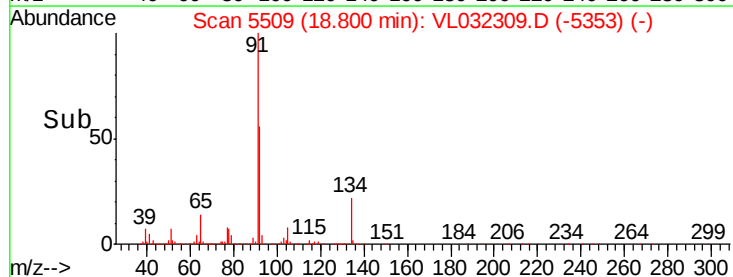
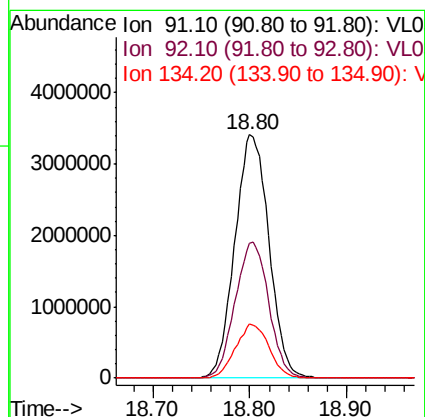
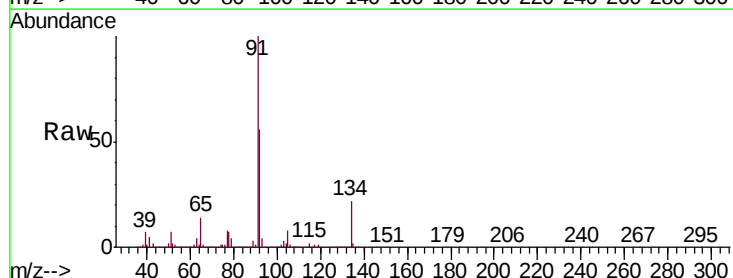
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.6	23.8	35.6

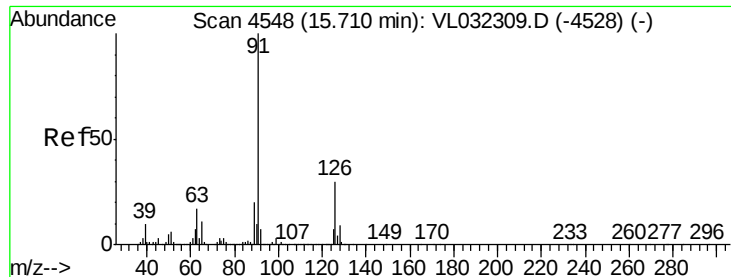


#70
 n-Butylbenzene
 Concen: 7.367 ppbv
 RT: 18.80 min Scan# 5509
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 8333458

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	21.8	17.4	26.2

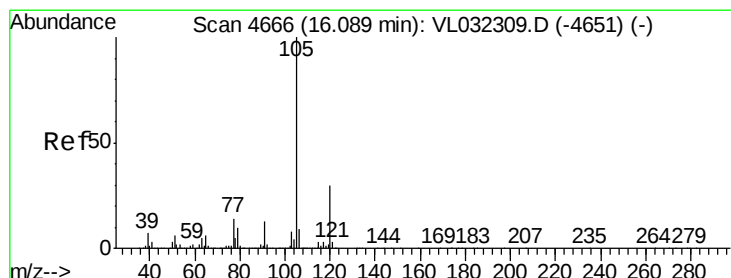
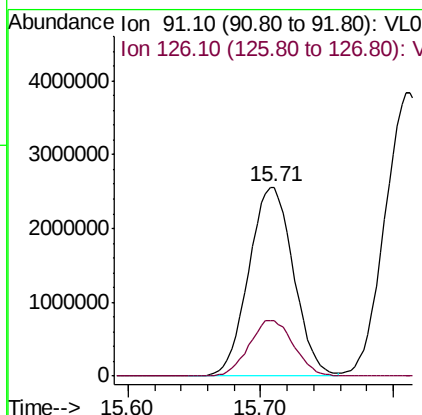
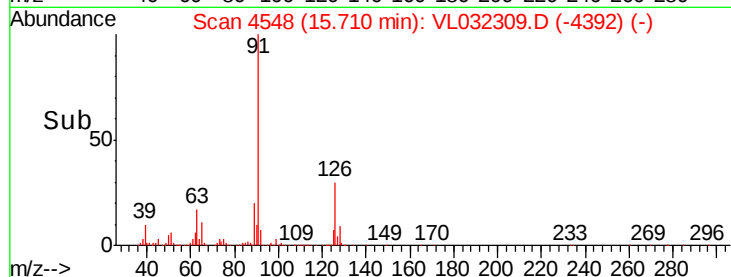
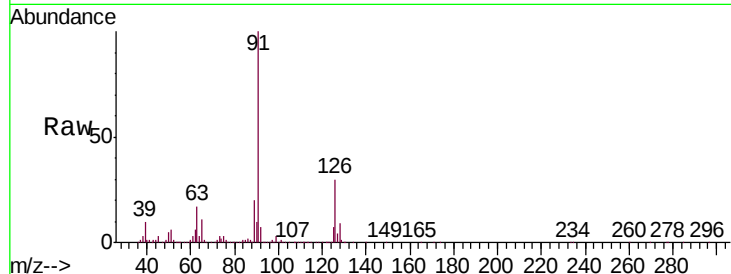




#71
2-Chlorotoluene
Concen: 7.345 ppbv
RT: 15.71 min Scan# 4548
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

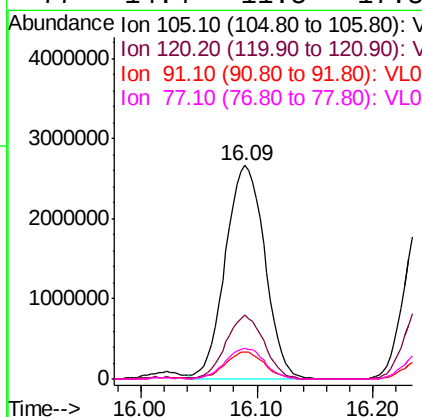
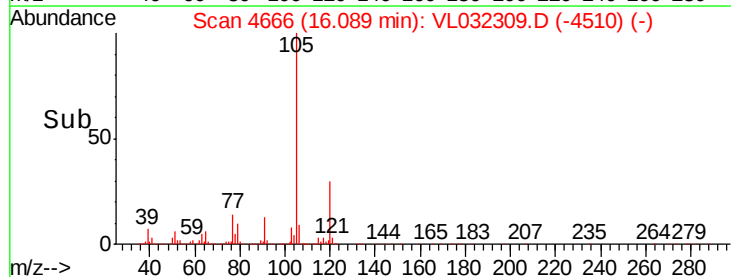
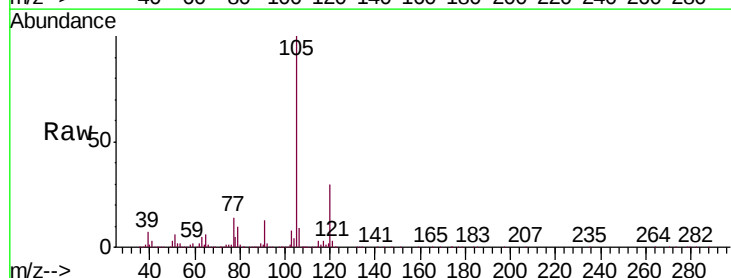
Instrument :
MSVOA_L
ClientSampleId :

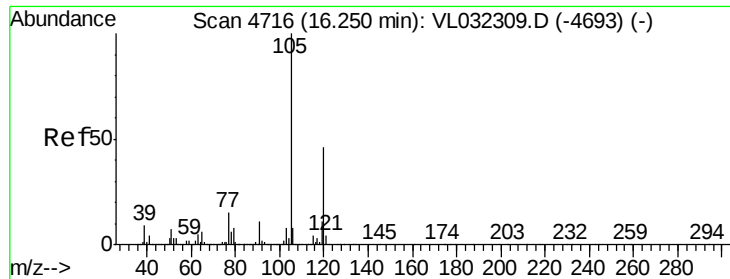
Tot Ion: 91 Resp: 6022220
Ion Ratio Lower Upper
91 100
126 29.3 11.8 47.0



#72
4-Ethyltoluene
Concen: 7.648 ppbv
RT: 16.09 min Scan# 4666
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:105 Resp: 6310771
Ion Ratio Lower Upper
105 100
120 28.9 23.1 34.7
91 12.5 10.0 15.0
77 14.4 11.5 17.3

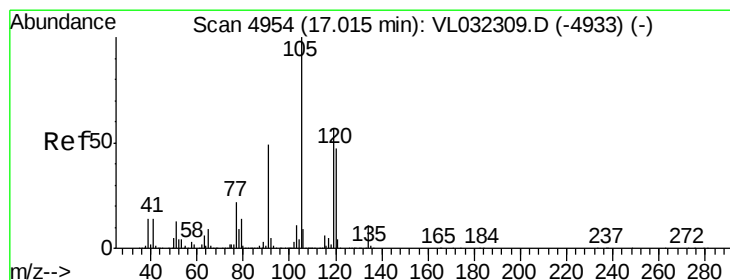
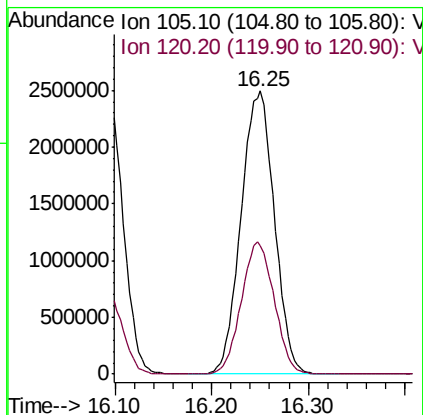
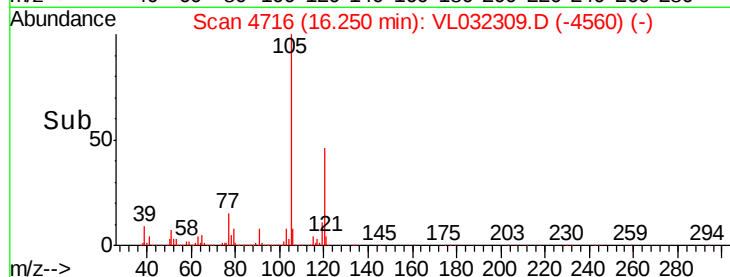
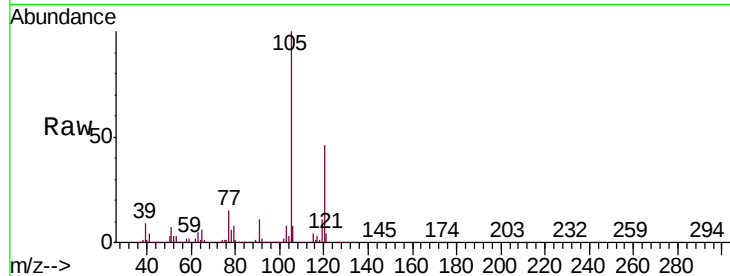




#73
 1,3,5-Trimethylbenzene
 Concen: 7.368 ppbv
 RT: 16.25 min Scan# 4716
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

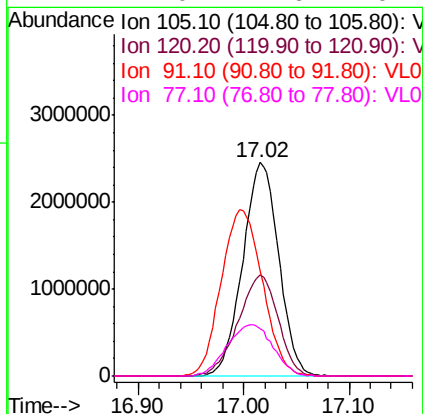
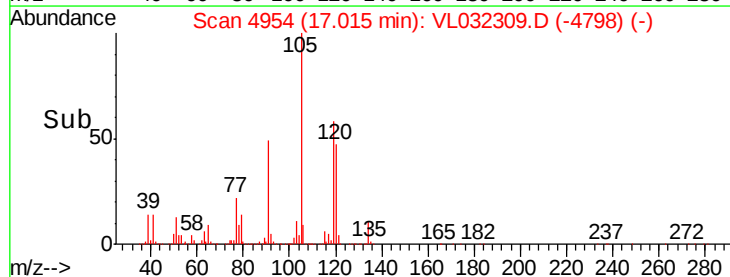
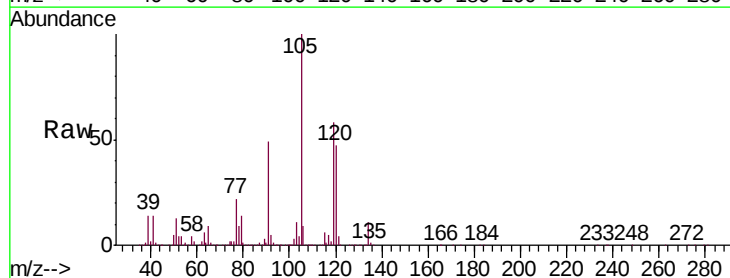
Instrument :
 MSVOA_L
 ClientSampleId :

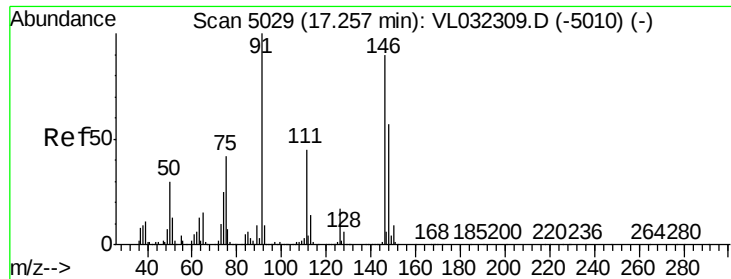
Tot Ion:105 Resp: 5947582
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.5 54.7



#74
 1,2,4-Trimethylbenzene
 Concen: 6.893 ppbv
 RT: 17.02 min Scan# 4954
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion:105 Resp: 5848236
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.8 56.6
 91 49.2 39.4 59.0
 77 22.0 17.6 26.4





#75

1,3-Dichlorobenzene

Concen: 6.931 ppbv

RT: 17.26 min Scan# 5029

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

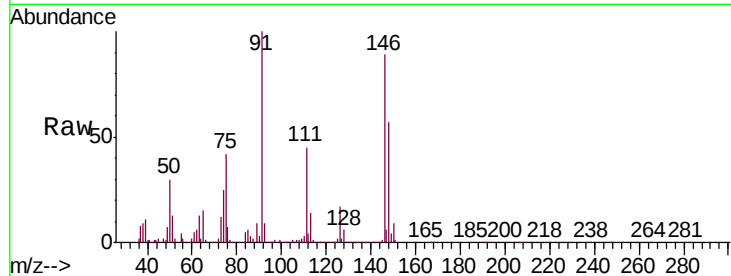
Tot Ion:146 Resp: 3279167

Ion Ratio Lower Upper

146 100

111 49.2 24.6 73.8

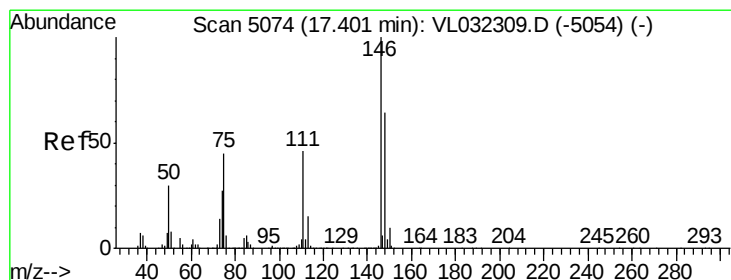
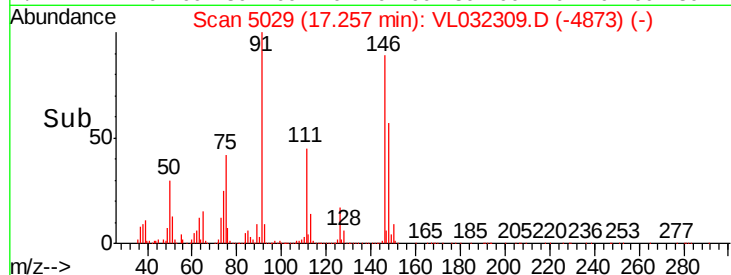
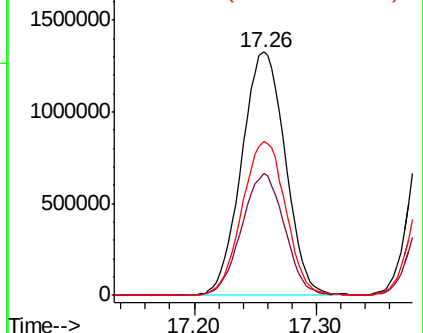
148 63.3 31.6 95.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.133 ppbv

RT: 17.40 min Scan# 5074

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

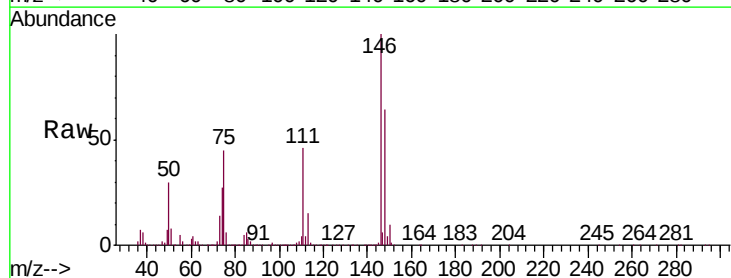
Tgt Ion:146 Resp: 3343024

Ion Ratio Lower Upper

146 100

111 47.0 23.6 70.8

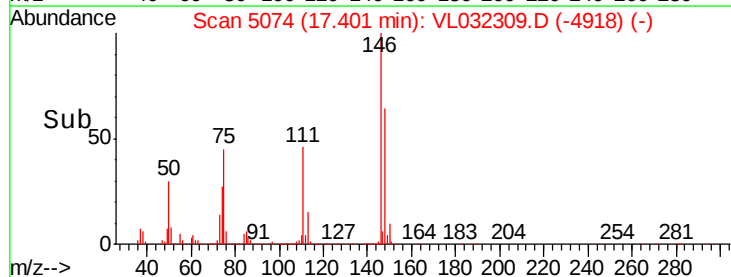
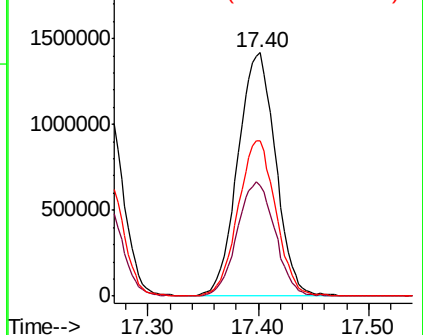
148 64.1 32.1 96.3

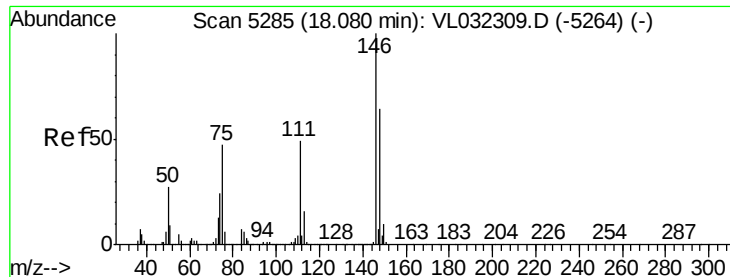


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

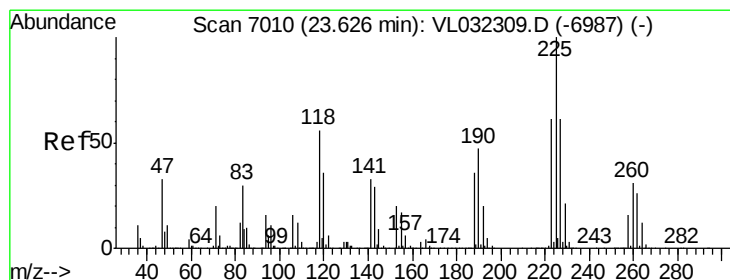
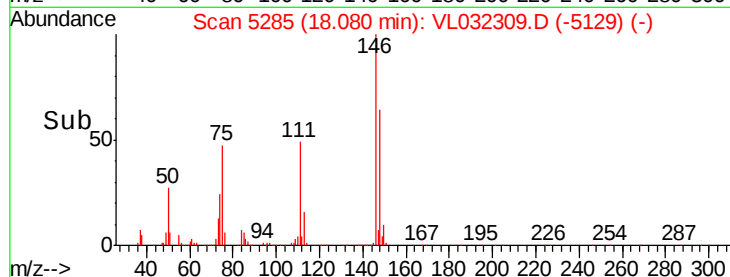
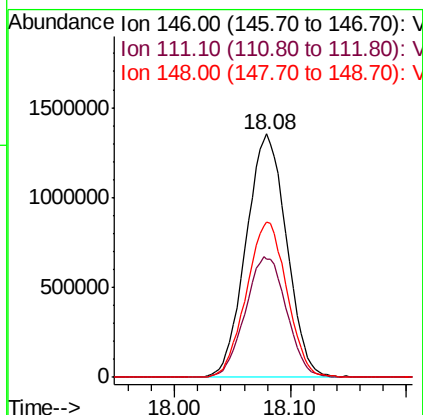
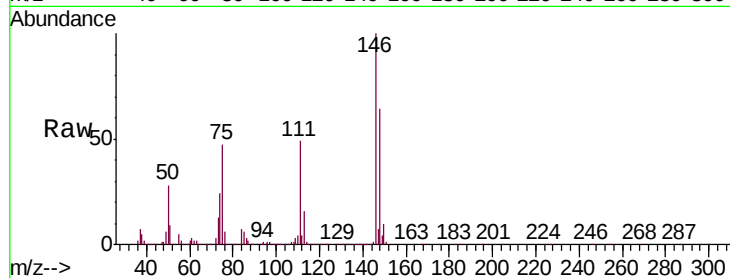




#77
 1,2-Dichlorobenzene
 Concen: 7.181 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

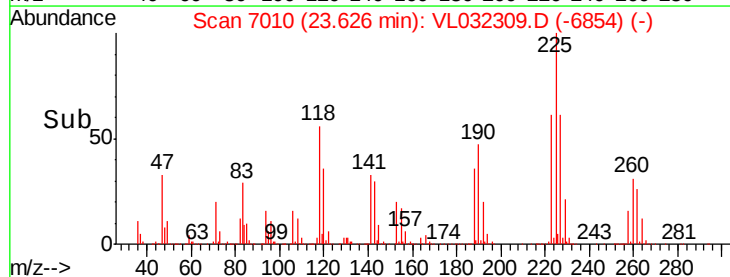
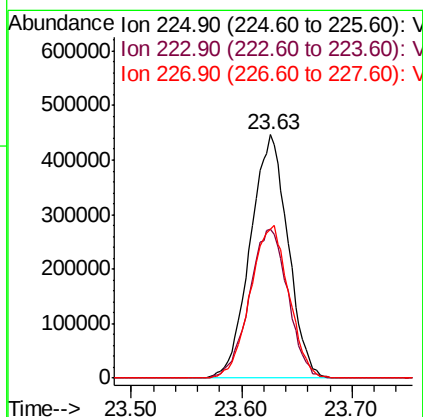
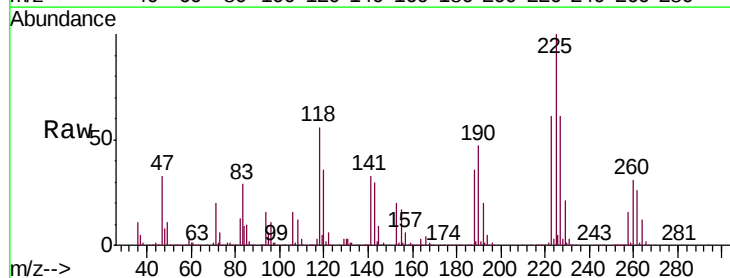
Instrument :
 MSVOA_L
 ClientSampleId :

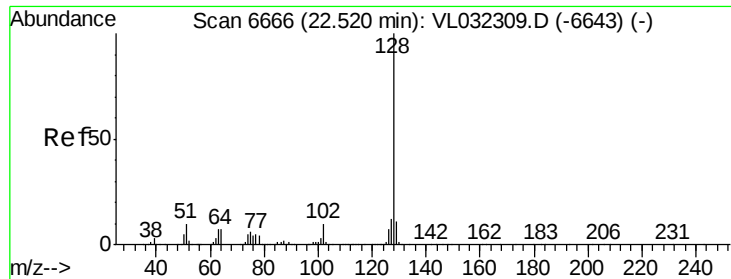
Tot Ion:146 Resp: 3293018
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.1 75.3
 148 63.9 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.002 ppbv
 RT: 23.63 min Scan# 7010
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion:225 Resp: 1054659
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.5 75.7
 227 64.1 51.3 76.9





#79

Naphthalene

Concen: 7.917 ppbv

RT: 22.52 min Scan# 6666

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampled :

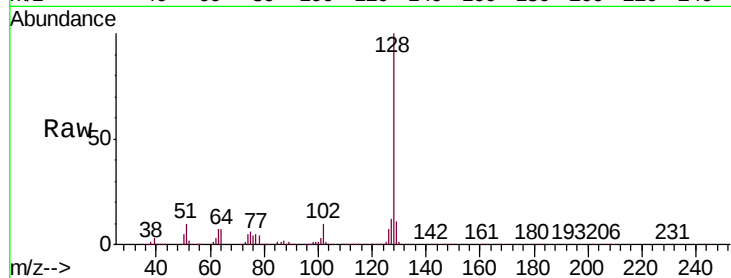
Tot Ion:128 Resp: 5699892

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

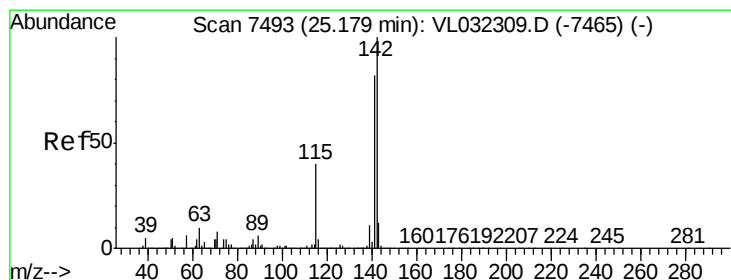
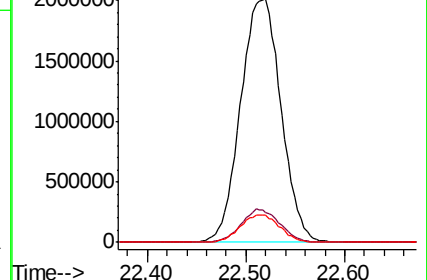
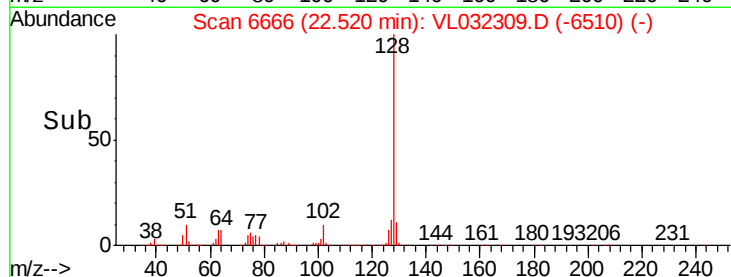
129 11.0 8.8 13.2



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: 9.175 ppbv

RT: 25.18 min Scan# 7493

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

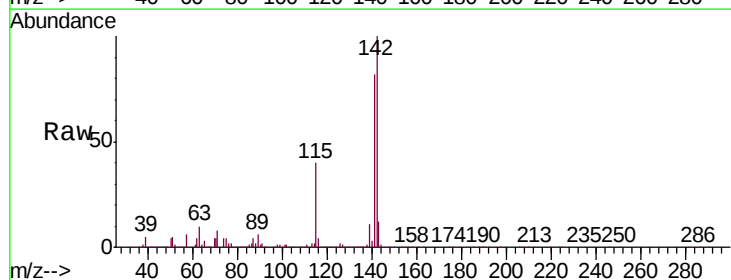
Tgt Ion:142 Resp: 2805473

Ion Ratio Lower Upper

142 100

141 83.3 66.7 100.1

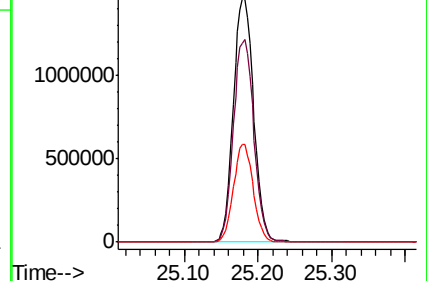
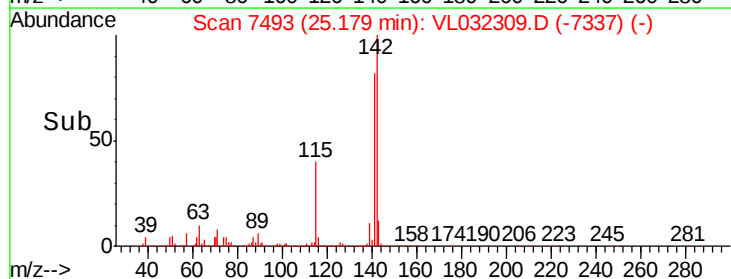
115 38.7 31.1 46.7

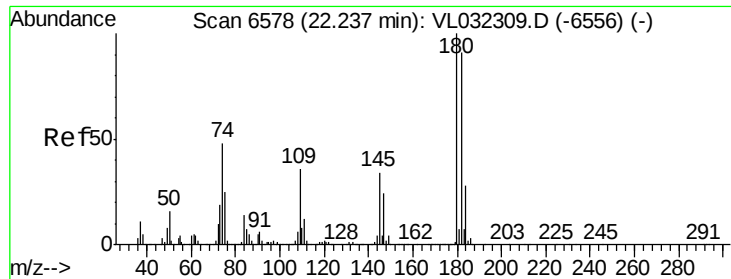


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.747 ppbv
 RT: 22.24 min Scan# 6578
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2728773
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.2
 184 30.4 24.3 36.5

