

Data File : VL032627.D
Acq On : 17 Oct 2018 2:45
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Oct 17 05:34:11 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 01:38:20 2018
QLast Update : Wed Oct 17 05:31:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1309739	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2973421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3729855	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2329143	8.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	919846	5.565	ppbv	100
3) Chlorodifluoromethane	3.03	51	1010090	9.240	ppbv	100
4) Chloromethane	3.18	50	566009	9.401	ppbv	100
5) Vinyl Chloride	3.31	62	579872	9.627	ppbv	100
6) Bromomethane	3.53	94	356896	9.421	ppbv	100
7) Chloroethane	3.62	64	222871	9.423	ppbv	100
8) Dichlorotetrafluoroethane	3.23	85	1340519	9.074	ppbv	100
9) Propene	3.05	41	413986	10.145	ppbv	100
10) Heptane	8.27	43	1648719	11.098	ppbv	100
11) Trichlorofluoromethane	4.02	101	1456628	9.037	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1076831	8.978	ppbv	100
13) Ethanol	3.66	45	109921	9.627	ppbv	100
14) Bromoethene	3.80	108	432959	9.662	ppbv	100
15) Acetone	3.92	43	1026683	8.935	ppbv	100
16) 1,3-Butadiene	3.38	39	410342	8.940	ppbv	100
17) tert-Butyl alcohol	4.37	59	48355	5.145	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	504770	9.441	ppbv	100
19) Isopropyl Alcohol	4.04	45	749326	10.050	ppbv	100
20) Methylene Chloride	4.43	84	446236	8.465	ppbv	100
21) Allyl Chloride	4.49	41	856524	9.795	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	595574	9.582	ppbv	100
23) Vinyl Acetate	5.17	43	1995549	11.025	ppbv	100
24) 1,1-Dichloroethane	5.11	63	1626378	10.163	ppbv	100
25) Ethyl Acetate	5.79	43	2683514	10.047	ppbv	100
26) Hexane	5.80	57	1254760	10.285	ppbv	100
27) Carbon Disulfide	4.63	76	1390464	9.526	ppbv	100
28) Methyl tert-Butyl Ether	5.13	73	1653635	11.470	ppbv	100
29) Chloroform	5.87	83	2042836	9.793	ppbv	100
30) Cyclohexane	7.26	84	1055475	11.011	ppbv	100
31) cis-1,2-Dichloroethene	5.66	61	1282923	11.082	ppbv	100
32) 1,1,1-Trichloroethane	6.64	97	1977298	9.805	ppbv	100
34) 2-Butanone	5.35	43	1775651	11.582	ppbv	100
35) Carbon Tetrachloride	7.15	117	2089619	9.782	ppbv	100
36) Benzene	7.03	78	2567667	10.914	ppbv	100
37) 1,2-Dichloroethane	6.43	62	1607473	10.260	ppbv	100
38) Trichloroethene	7.98	130	949938	10.971	ppbv	100
39) 1,2-Dichloropropane	7.76	63	994801	10.338	ppbv	100
40) 1,4-Dioxane	7.97	88	154147	4.861	ppbv #	1
41) Tetrahydrofuran	6.17	42	1007544	11.778	ppbv	100
42) Bromodichloromethane	7.94	83	2220145	10.121	ppbv	100
43) Methyl Methacrylate	8.16	69	1063905	11.642	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4491276	10.724	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1488697	12.934	ppbv	100
46) cis-1,3-Dichloropropene	8.86	75	1661988	12.677	ppbv	100
47) 1,1,2-Trichloroethane	9.64	97	1154074	10.109	ppbv	100
48) Dibromochloromethane	10.47	129	2021874	10.645	ppbv	100
49) Bromoform	13.23	173	1526047	10.533	ppbv	100
50) 4-Methyl-2-Pentanone	8.89	43	2663849	11.309	ppbv	100
51) 2-Hexanone	10.29	43	2290157	12.430	ppbv	100
52) Tetrachloroethene	11.40	164	825318	10.900	ppbv	100
53) Toluene	9.97	91	3195824	11.907	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1766898	11.042	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.30	131	1318927	7.818	ppbv	100
57) Chlorobenzene	12.33	112	2240809	7.928	ppbv	100
58) Ethyl Benzene	12.89	91	4023228	9.802	ppbv	100
59) m/p-Xylene	13.17	91	3407398	9.151	ppbv #	35
60) o-Xylene	13.88	91	3268522	8.900	ppbv	100
61) Styrene	13.71	104	2352419	10.433	ppbv	100
62) Isopropylbenzene	14.85	105	4626099	8.841	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2459288	7.691	ppbv	100
64) n-propylbenzene	15.75	120	1183088	8.966	ppbv	100
65) tert-Butylbenzene	16.93	119	3926584	8.862	ppbv	100
66) Benzyl Chloride	17.18	91	2341841	9.583	ppbv	100
67) sec-Butylbenzene	17.48	105	5782567	8.743	ppbv	100
69) p-Isopropyltoluene	17.84	119	4606799	9.084	ppbv	100
70) n-Butylbenzene	18.74	91	4965711	8.983	ppbv	100
71) 2-Chlorotoluene	15.64	91	3600051	9.357	ppbv	100
72) 4-Ethyltoluene	16.02	105	3786292	9.547	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3611348	9.155	ppbv	100
74) 1,2,4-Trimethylbenzene	16.95	105	3678055	8.451	ppbv	100
75) 1,3-Dichlorobenzene	17.19	146	2005014	7.927	ppbv	100
76) 1,4-Dichlorobenzene	17.33	146	1978337	8.671	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	1979267	8.333	ppbv	100
78) Hexachloro-1,3-Butadiene	23.56	225	1079218	9.370	ppbv	100
79) Naphthalene	22.44	128	3027940	10.324	ppbv	100
80) Naphthalene,2-methyl-	25.13	142	829059	14.522	ppbv	100
81) 1,2,4-Trichlorobenzene	22.16	180	1410302	9.716	ppbv	100

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

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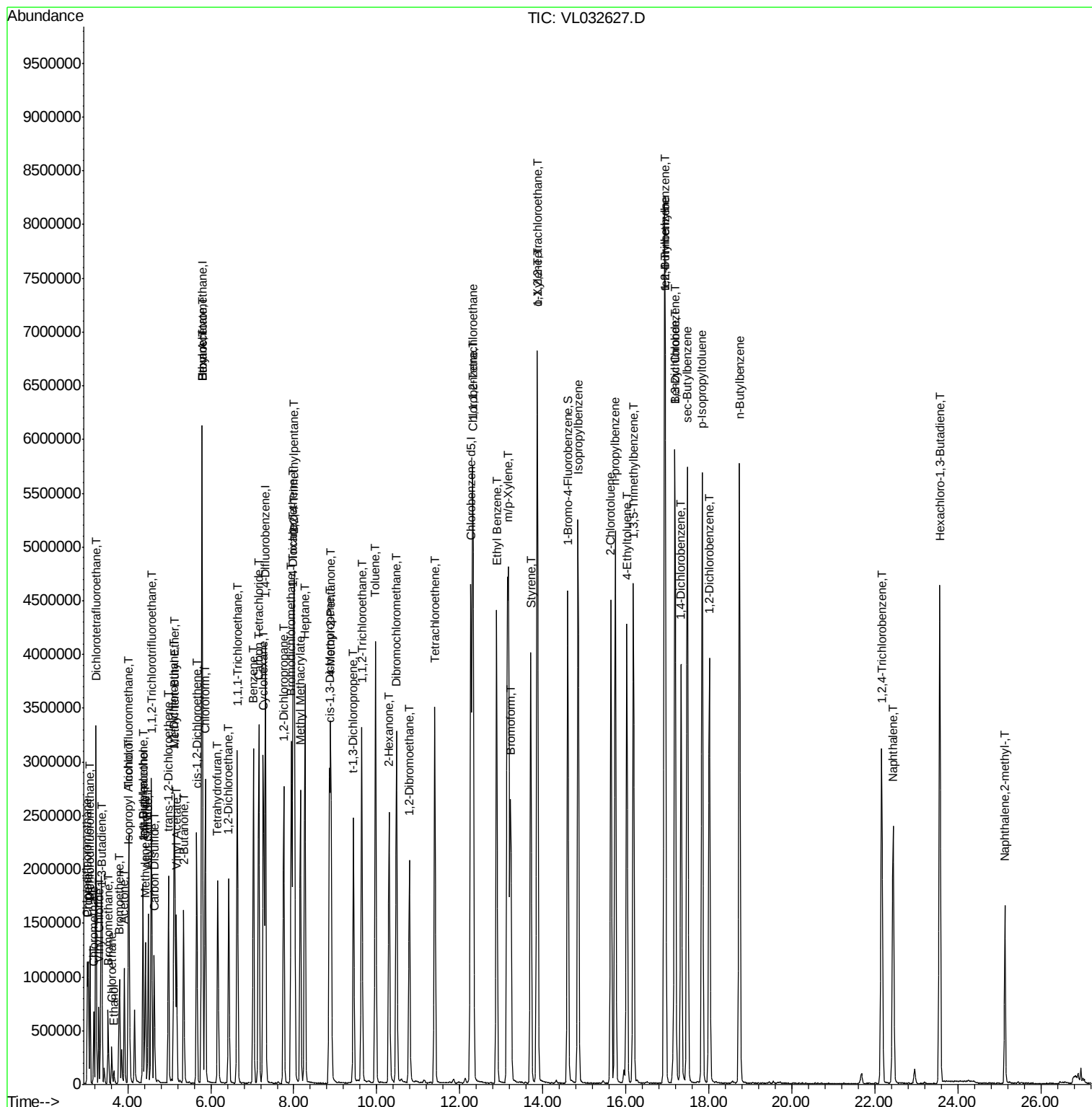
Quant Time: Oct 17 05:34:11 2018

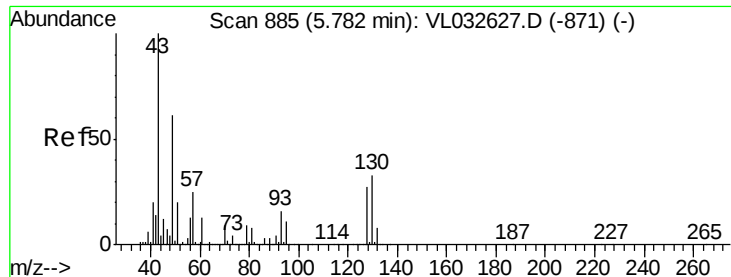
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL101718AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

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ClientSampleId :

VSTDICCC010

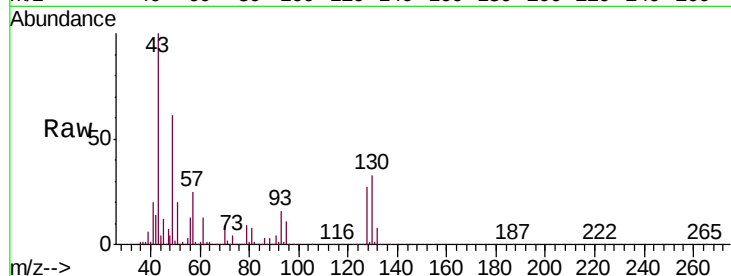
Tgt Ion: 49 Resp: 1309739

Ion Ratio Lower Upper

49 100

128 44.5 22.3 66.8

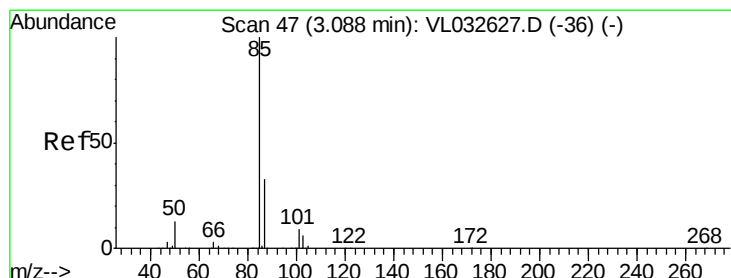
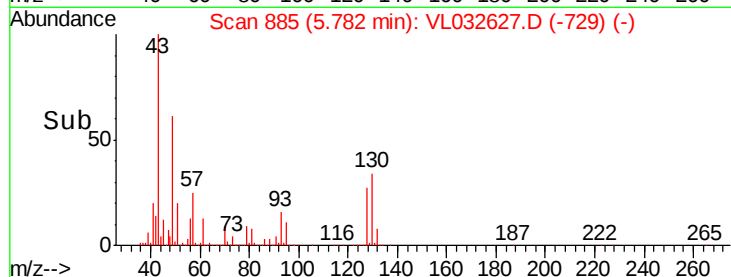
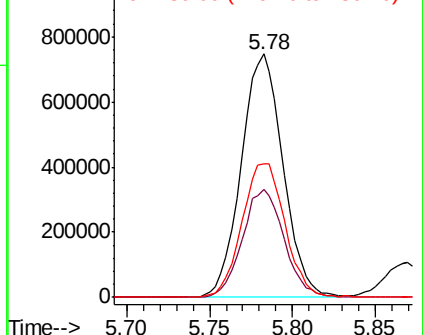
130 56.9 28.4 85.3



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: 5.565 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032627.D

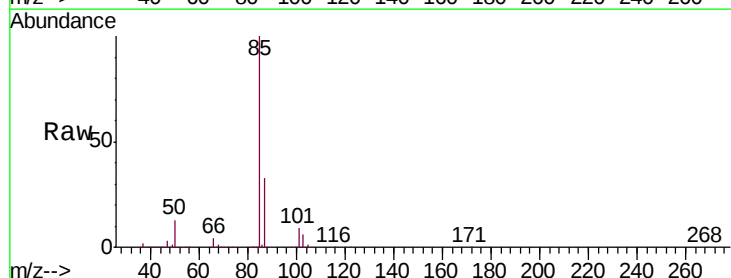
Acq: 17 Oct 2018 2:45

Tgt Ion: 85 Resp: 919846

Ion Ratio Lower Upper

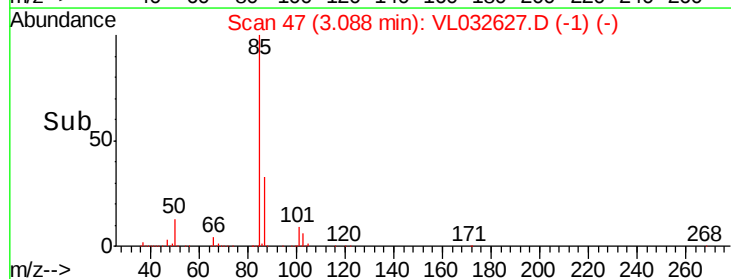
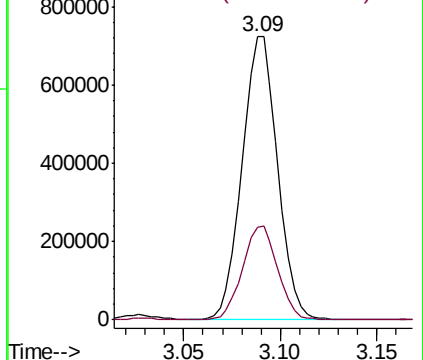
85 100

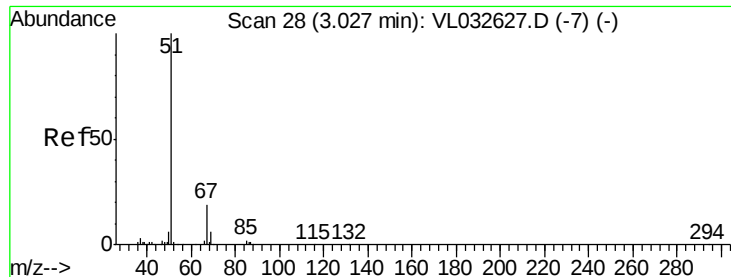
87 32.7 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

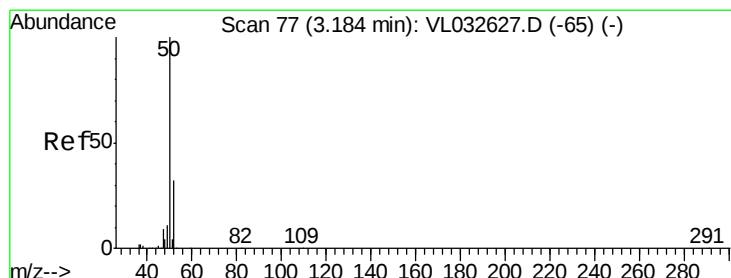
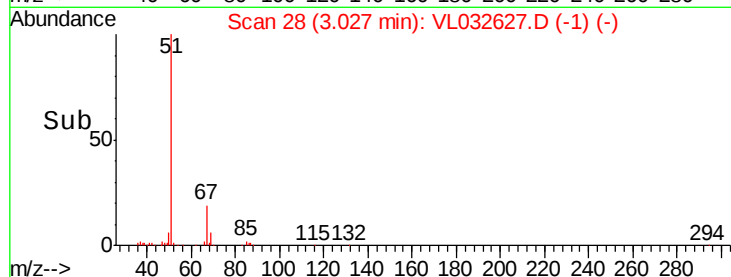
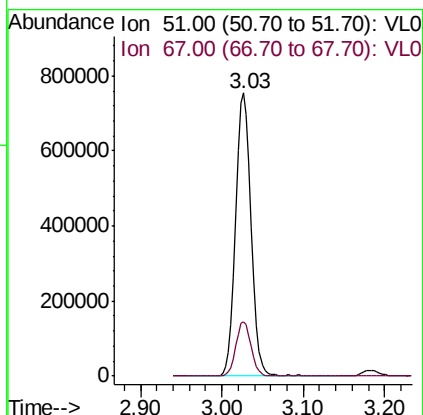
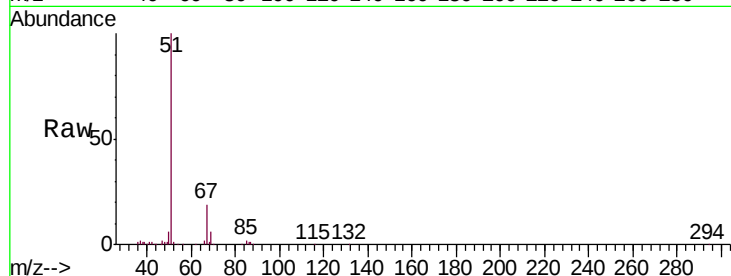




#3
Chlorodifluoromethane
Concen: 9.240 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

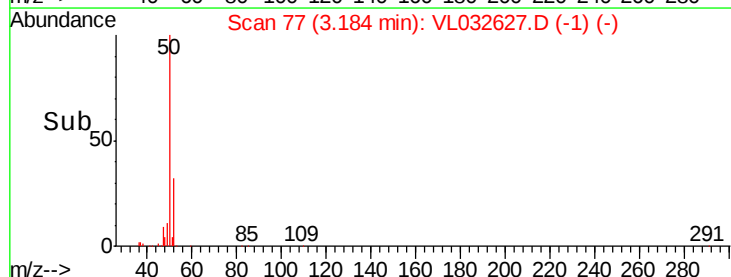
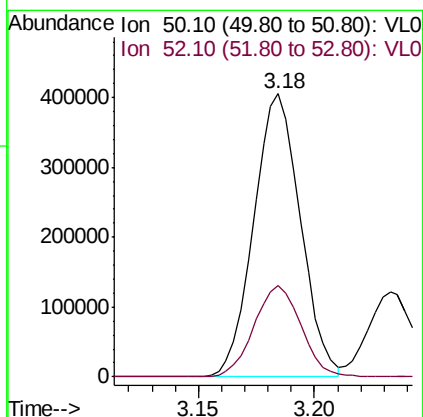
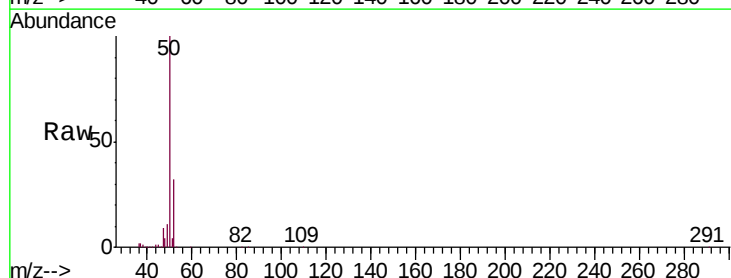
Instrument :
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ClientSampleId :
VSTDICCC010

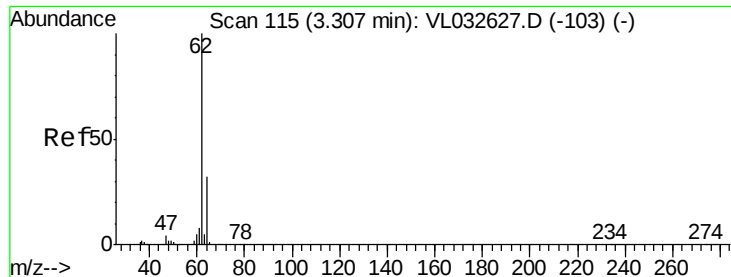
Tgt Ion: 51 Resp: 1010090
Ion Ratio Lower Upper
51 100
67 19.0 15.2 22.8



#4
Chloromethane
Concen: 9.401 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 50 Resp: 566009
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9





#5

Vinyl Chloride

Concen: 9.627 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

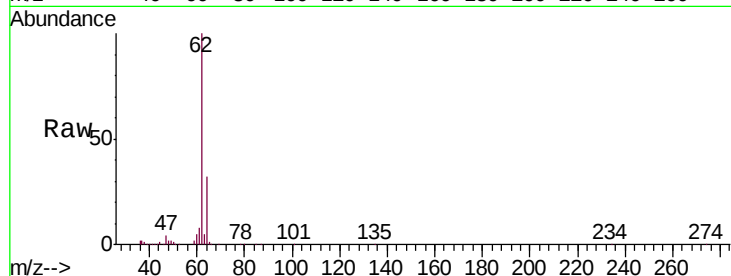
VSTDICCC010

Tgt Ion: 62 Resp: 579872

Ion Ratio Lower Upper

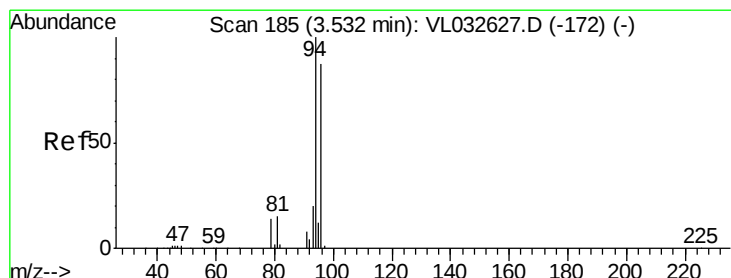
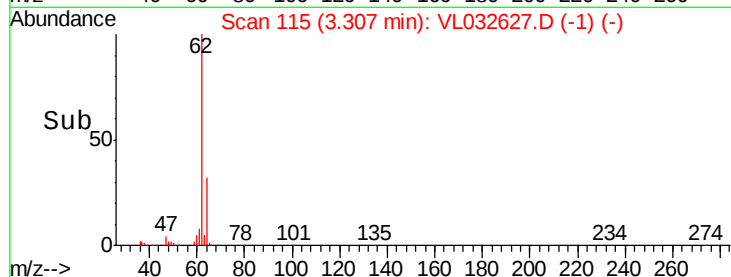
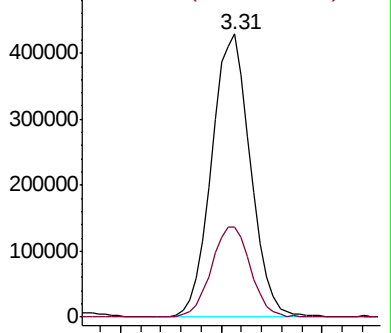
62 100

64 31.9 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.421 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.00 min

Lab File: VL032627.D

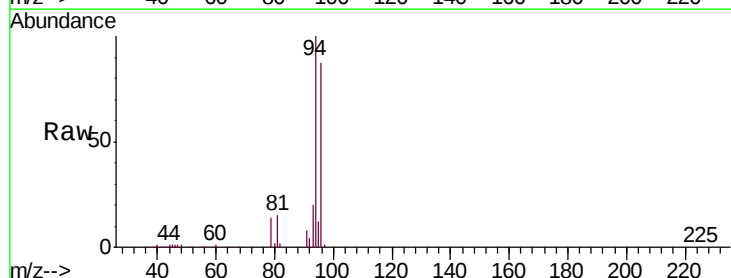
Acq: 17 Oct 2018 2:45

Tgt Ion: 94 Resp: 356896

Ion Ratio Lower Upper

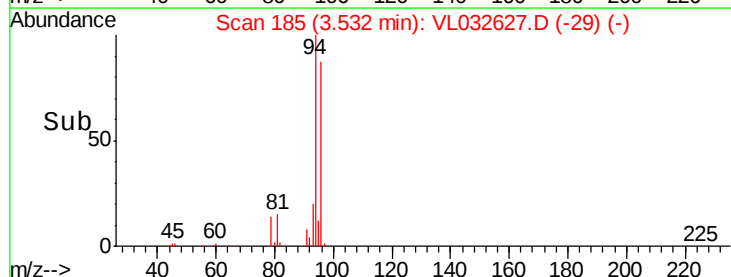
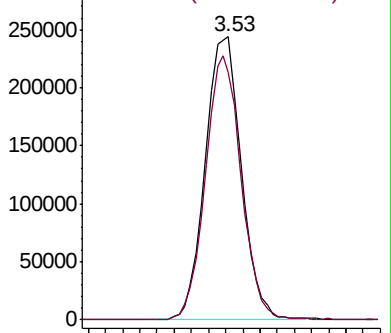
94 100

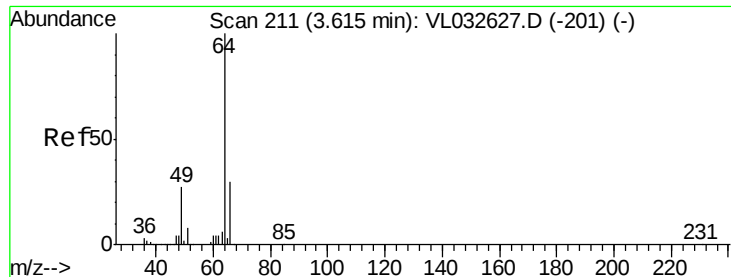
96 87.3 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.423 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

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ClientSampleId :

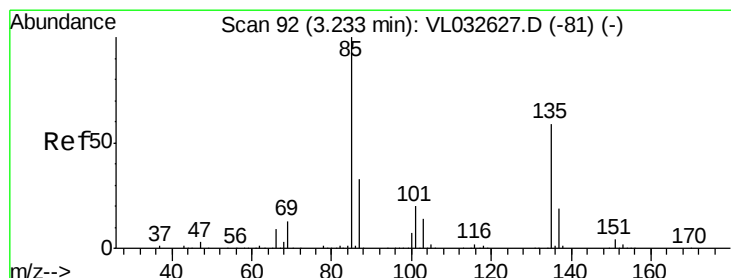
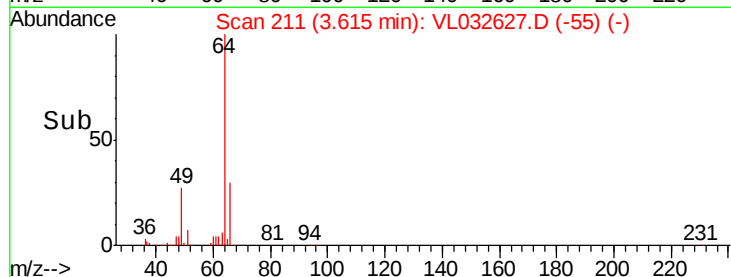
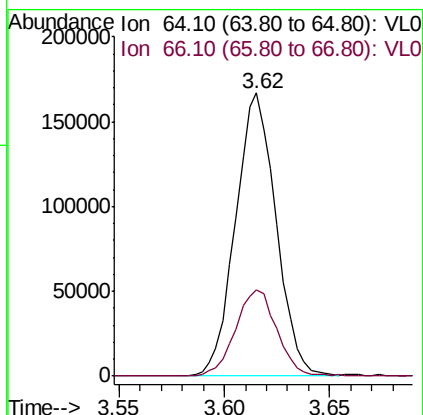
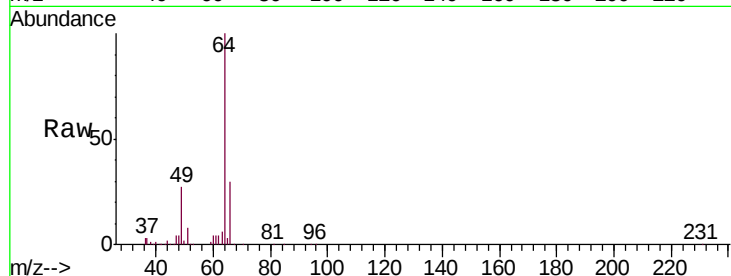
VSTDICCC010

Tgt Ion: 64 Resp: 222871

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 9.074 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032627.D

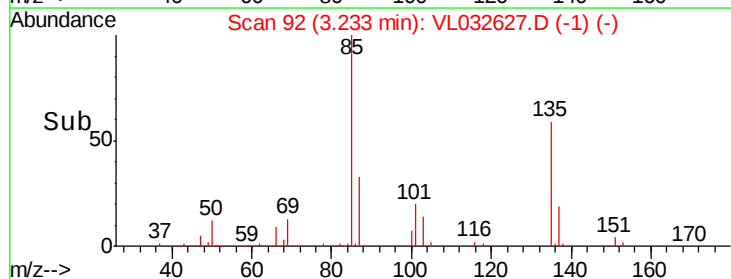
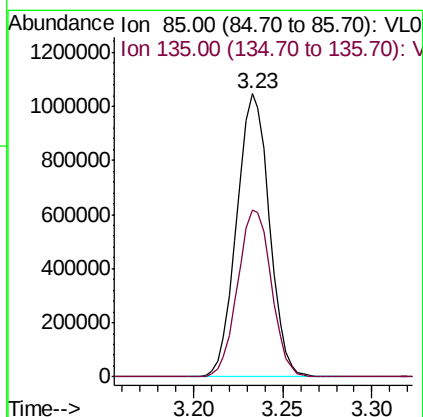
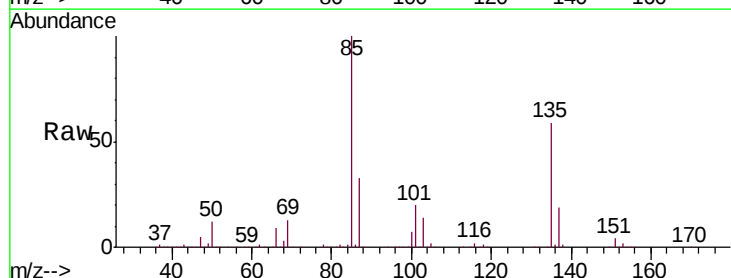
Acq: 17 Oct 2018 2:45

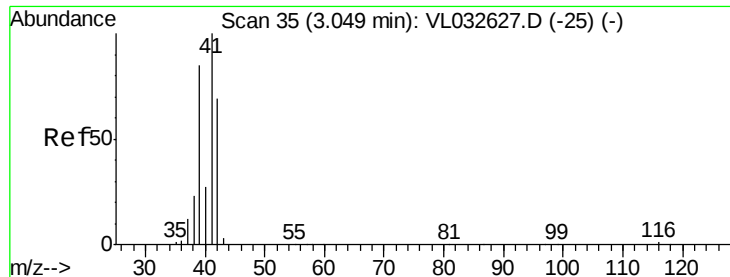
Tgt Ion: 85 Resp: 1340519

Ion Ratio Lower Upper

85 100

135 61.2 49.0 73.4





#9

Propene

Concen: 10.145 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

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Acq: 17 Oct 2018 2:45

Instrument :

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ClientSampleId :

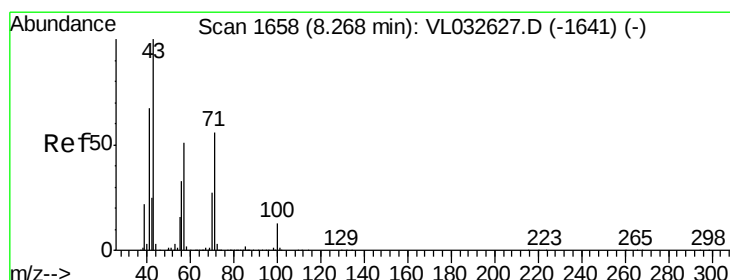
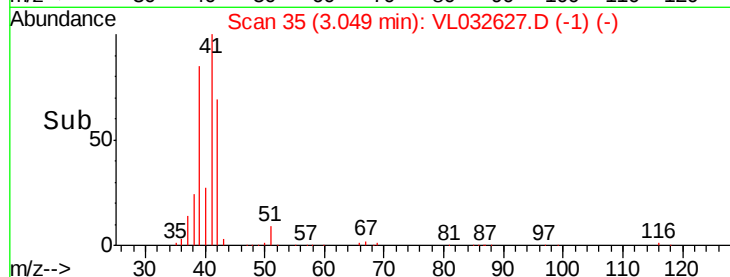
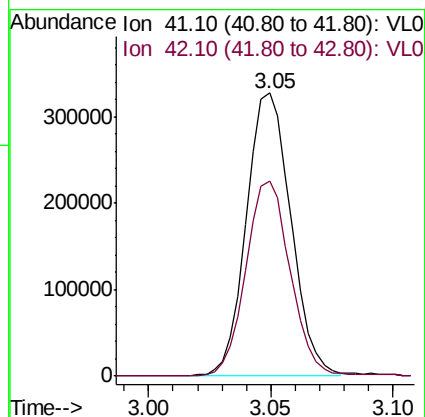
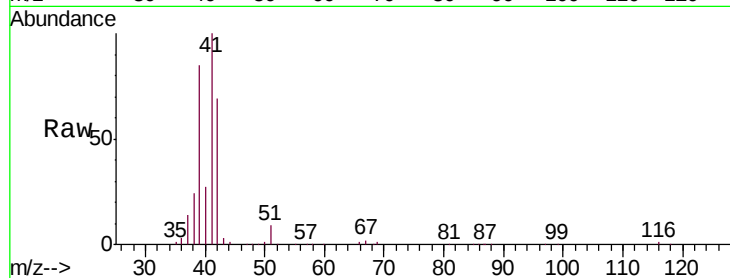
VSTDICCC010

Tgt Ion: 41 Resp: 413986

Ion Ratio Lower Upper

41 100

42 69.2 55.4 83.0



#10

Heptane

Concen: 11.098 ppbv

RT: 8.27 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL032627.D

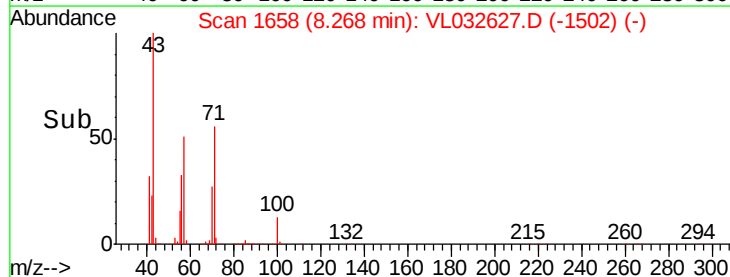
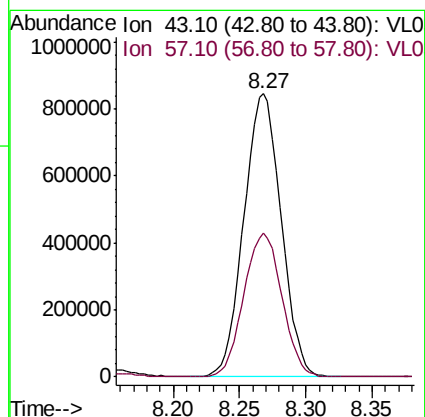
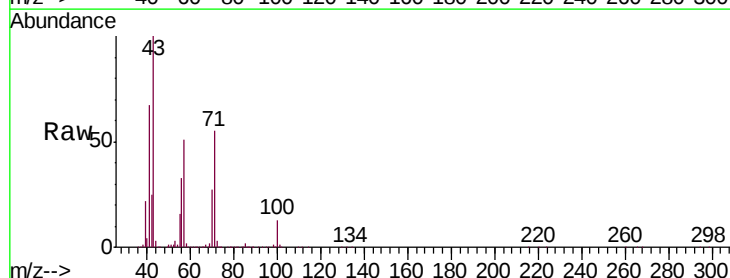
Acq: 17 Oct 2018 2:45

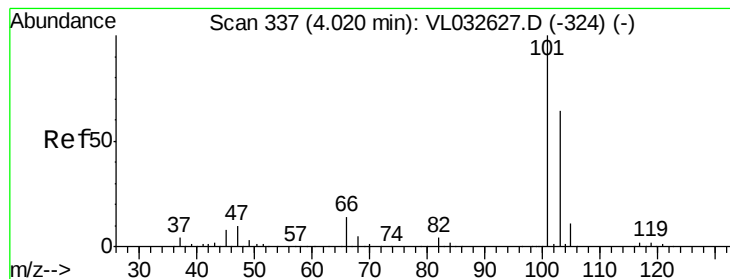
Tgt Ion: 43 Resp: 1648719

Ion Ratio Lower Upper

43 100

57 51.9 41.5 62.3





#11

Trichlorofluoromethane

Concen: 9.037 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

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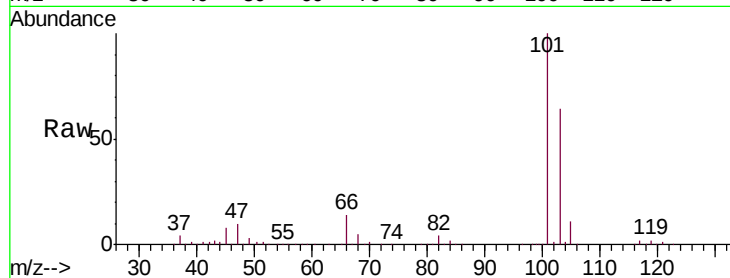
VSTDICCC010

Tgt Ion:101 Resp: 1456628

Ion Ratio Lower Upper

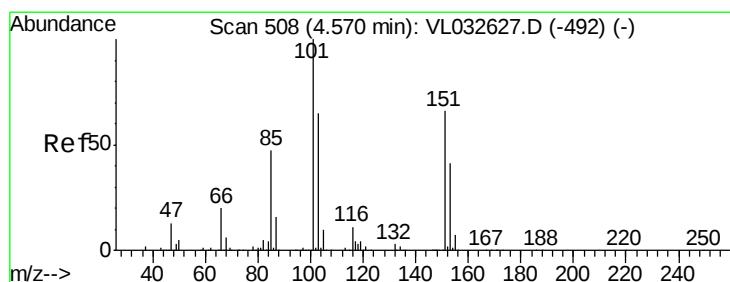
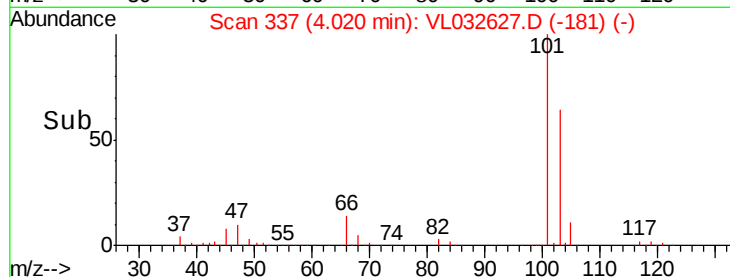
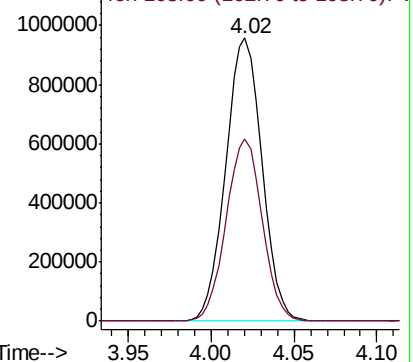
101 100

103 64.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.978 ppbv

RT: 4.57 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL032627.D

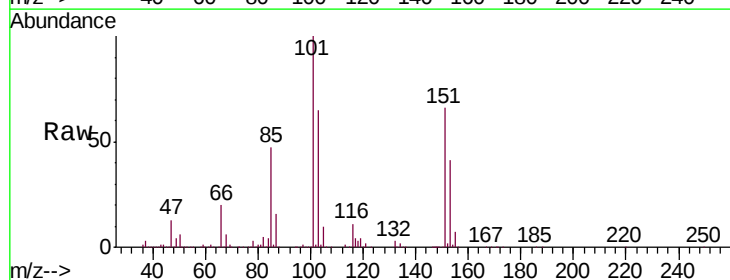
Acq: 17 Oct 2018 2:45

Tgt Ion:101 Resp: 1076831

Ion Ratio Lower Upper

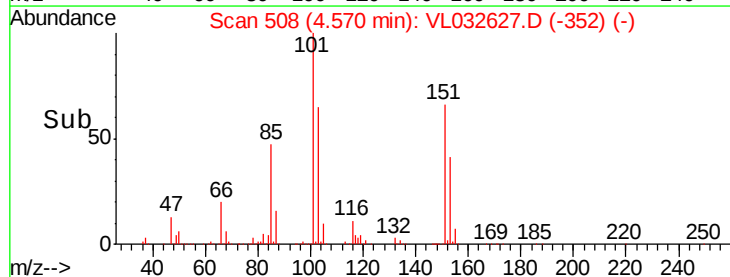
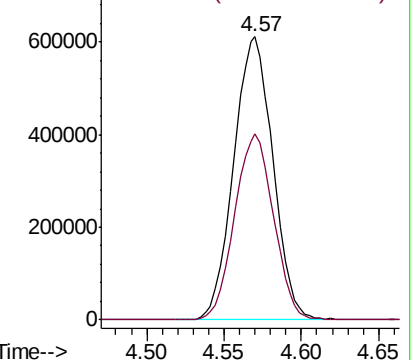
101 100

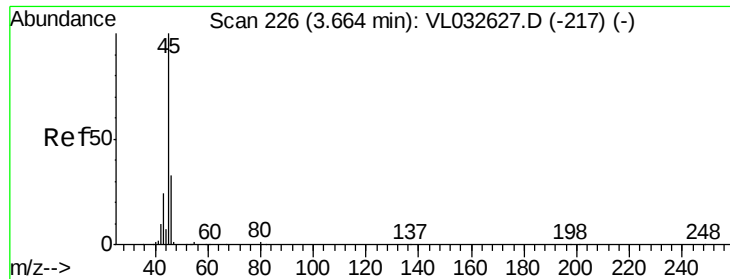
151 65.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

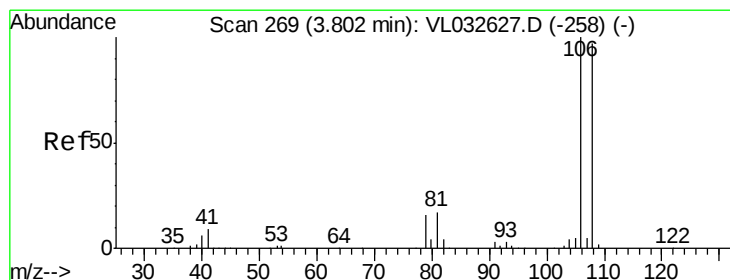
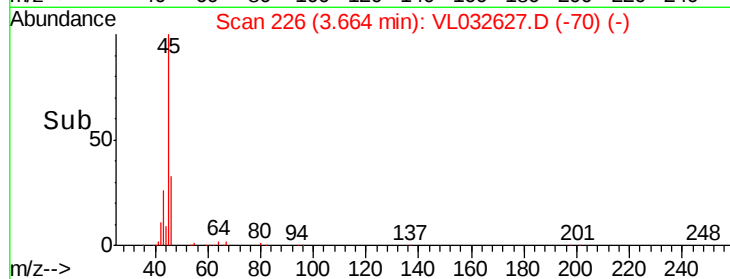
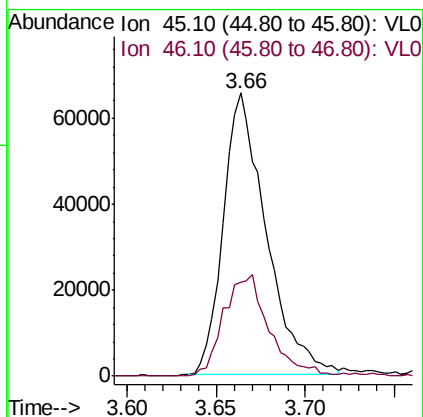
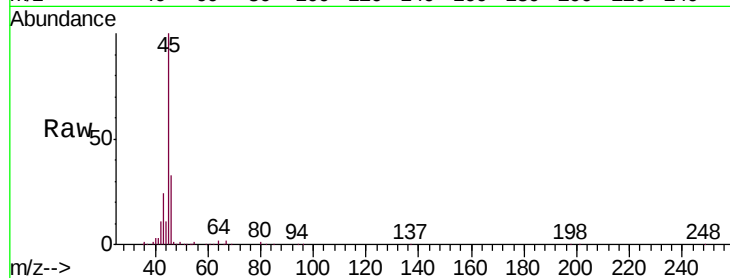




#13
Ethanol
Concen: 9.627 ppbv
RT: 3.66 min Scan# 226
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

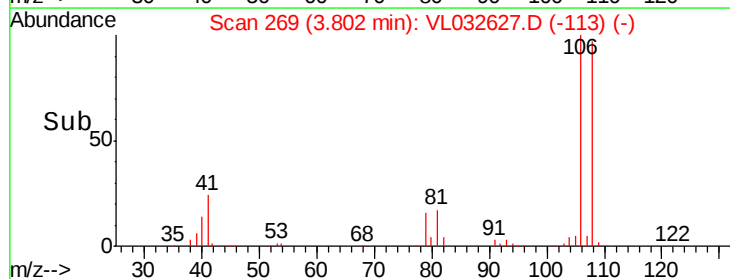
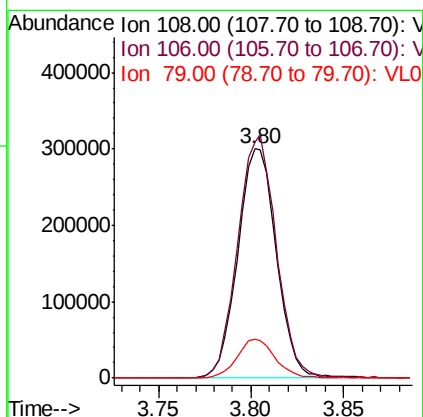
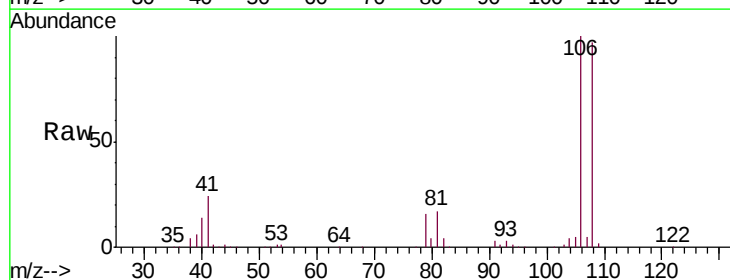
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

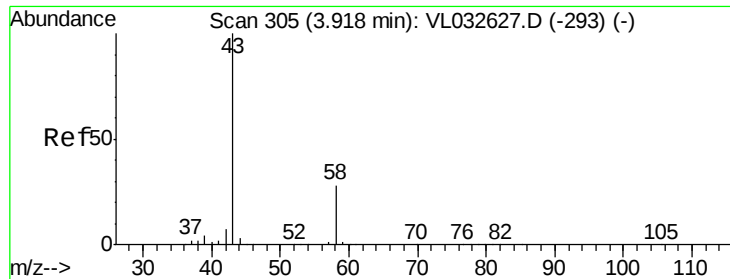
Tgt Ion: 45 Resp: 109921
Ion Ratio Lower Upper
45 100
46 38.7 15.4 61.8



#14
Bromoethene
Concen: 9.662 ppbv
RT: 3.80 min Scan# 269
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 108 Resp: 432959
Ion Ratio Lower Upper
108 100
106 106.2 85.0 127.4
79 17.1 13.7 20.5





#15

Acetone

Concen: 8.935 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

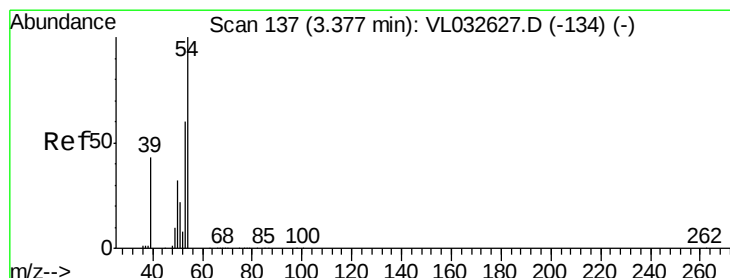
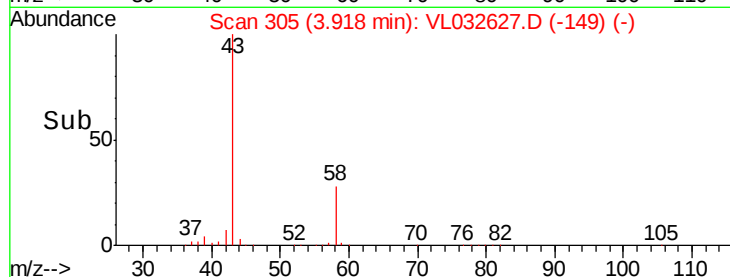
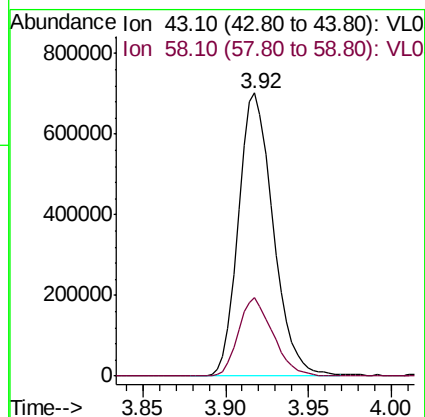
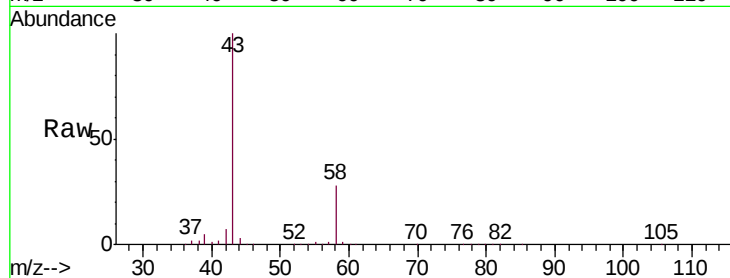
VSTDICCC010

Tgt Ion: 43 Resp: 1026683

Ion Ratio Lower Upper

43 100

58 27.6 22.1 33.1



#16

1,3-Butadiene

Concen: 8.940 ppbv

RT: 3.38 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL032627.D

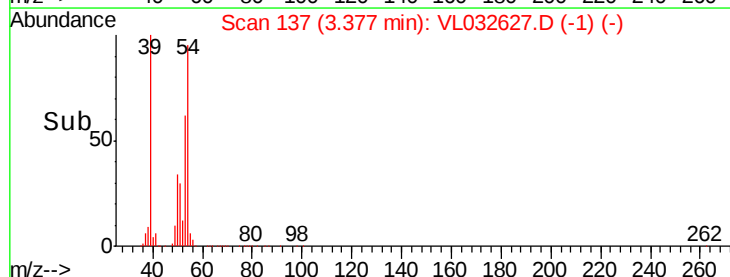
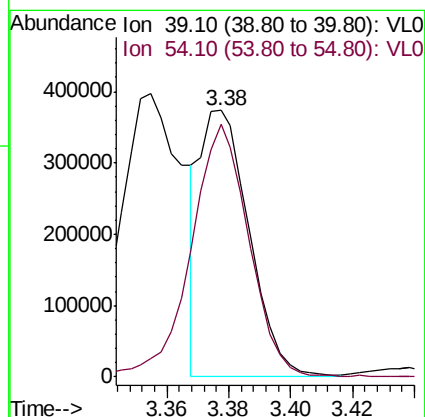
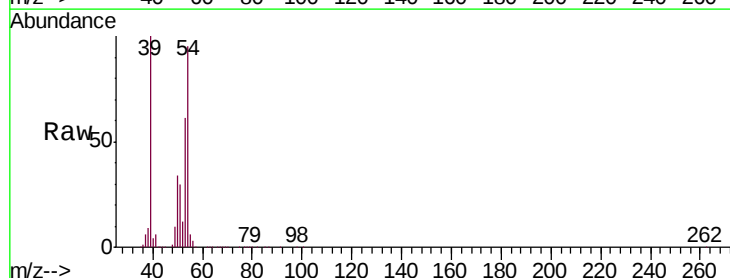
Acq: 17 Oct 2018 2:45

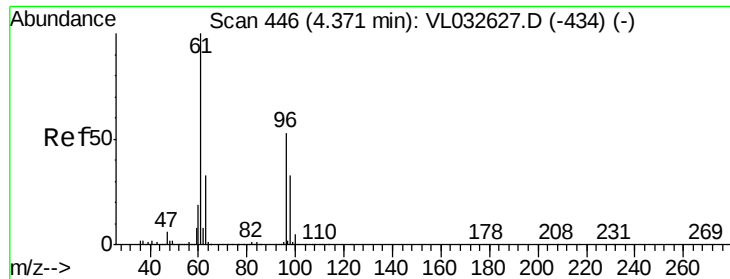
Tgt Ion: 39 Resp: 410342

Ion Ratio Lower Upper

39 100

54 113.0 90.4 135.6





#17

tert-Butyl alcohol

Concen: 5.145 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

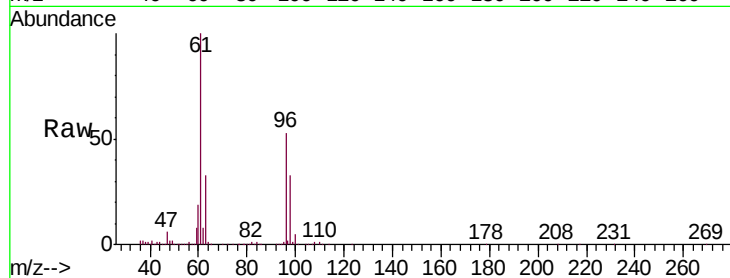
VSTDICCC010

Tgt Ion: 59 Resp: 48355

Ion Ratio Lower Upper

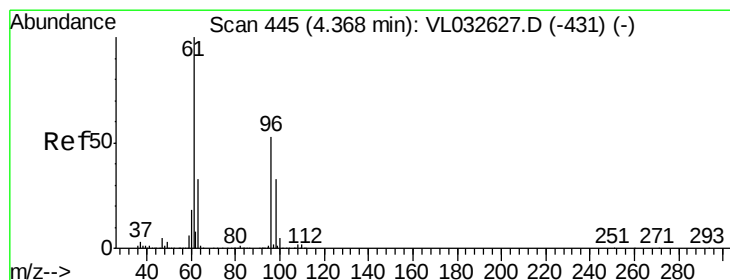
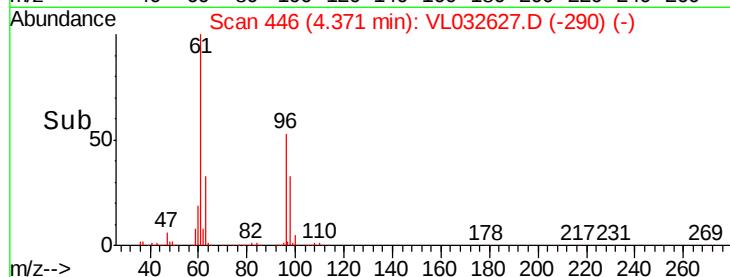
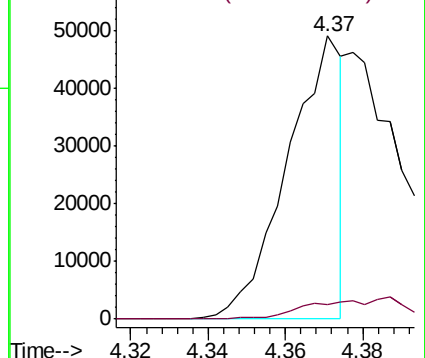
59 100

57 0.0 0.0 0.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.441 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

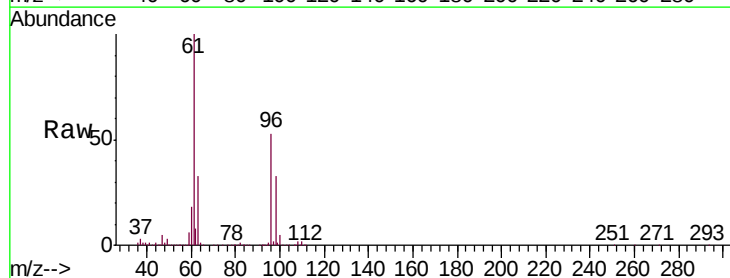
Tgt Ion: 96 Resp: 504770

Ion Ratio Lower Upper

96 100

61 189.5 151.6 227.4

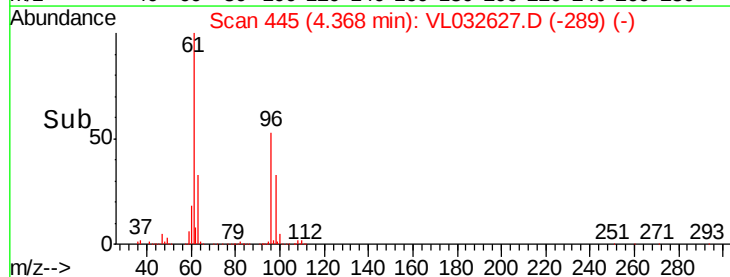
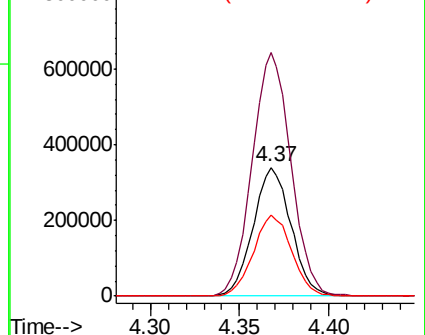
98 63.2 50.6 75.8

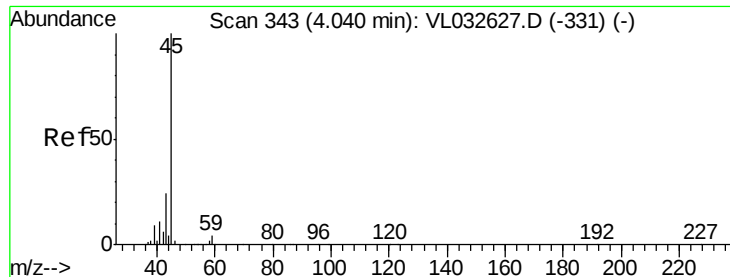


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.050 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

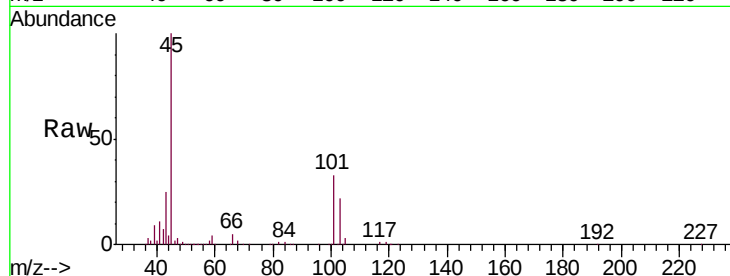
VSTDICCC010

Tgt Ion: 45 Resp: 749326

Ion Ratio Lower Upper

45 100

58 2.5 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

400000

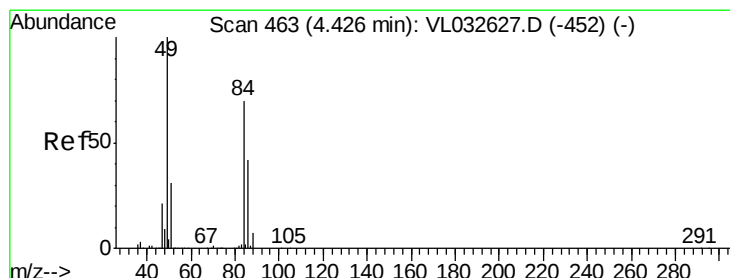
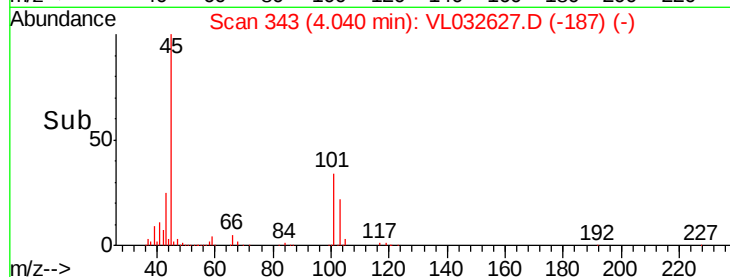
300000

200000

100000

0

Time--> 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 8.465 ppbv

RT: 4.43 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Tgt Ion: 84 Resp: 446236

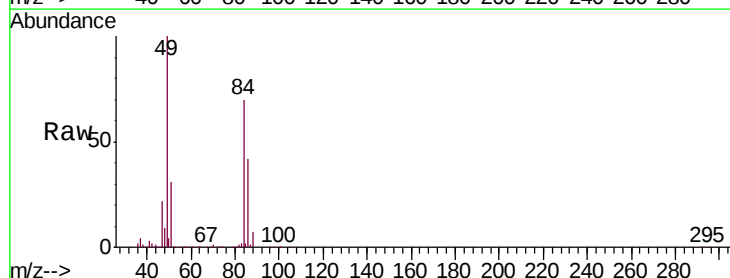
Ion Ratio Lower Upper

84 100

49 141.9 113.5 170.3

51 43.5 34.8 52.2

86 59.9 47.9 71.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

500000

400000

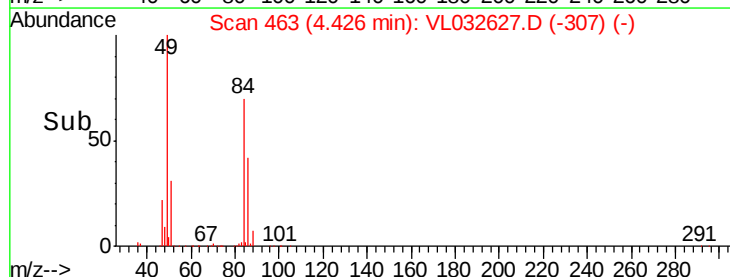
300000

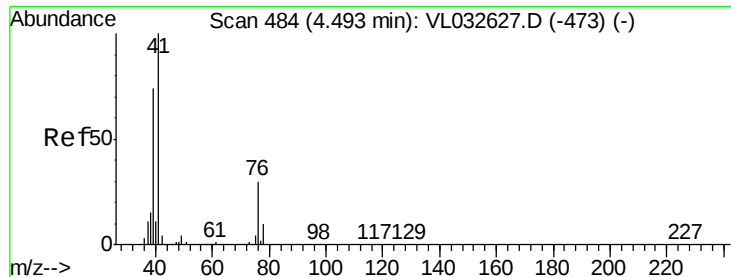
200000

100000

0

Time--> 4.35 4.40 4.45 4.50

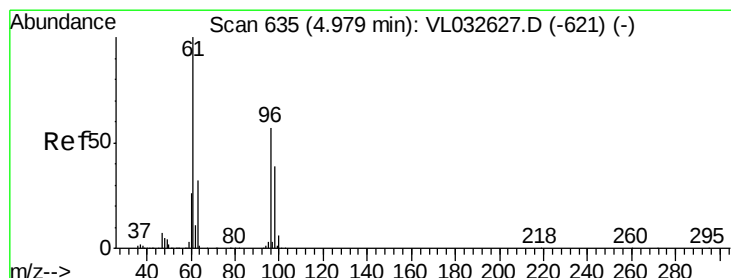
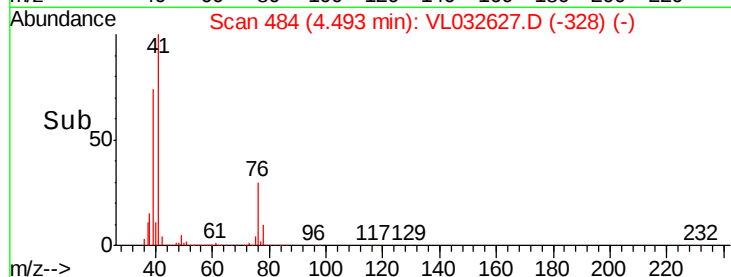
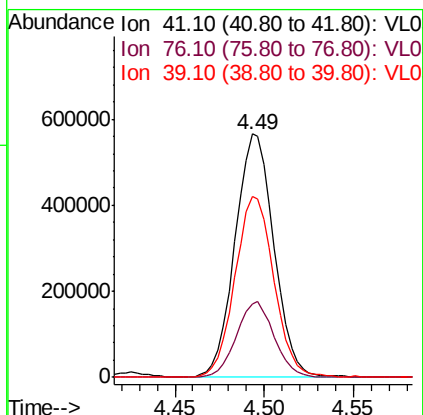
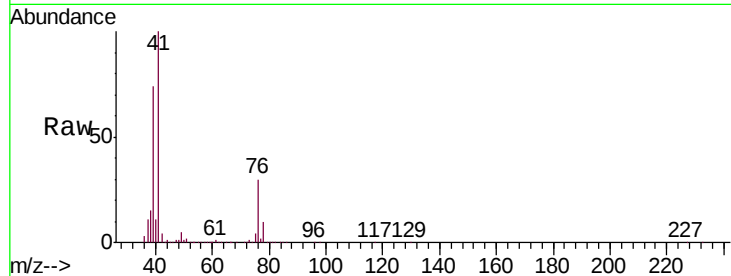




#21
 Allyl Chloride
 Concen: 9.795 ppbv
 RT: 4.49 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

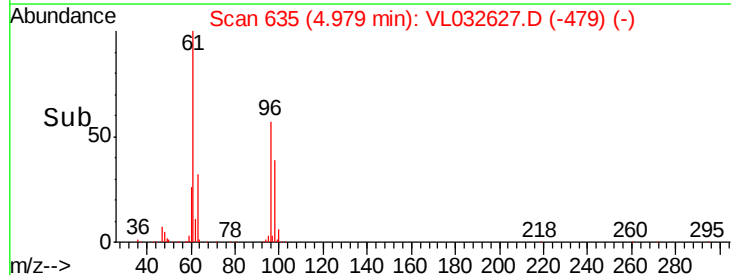
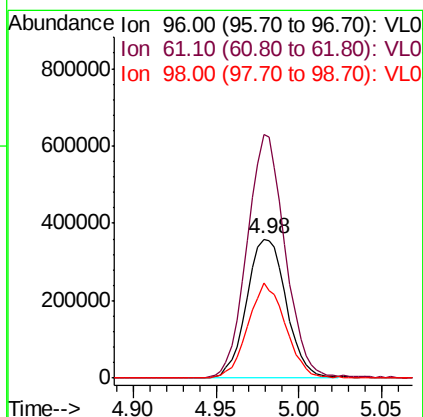
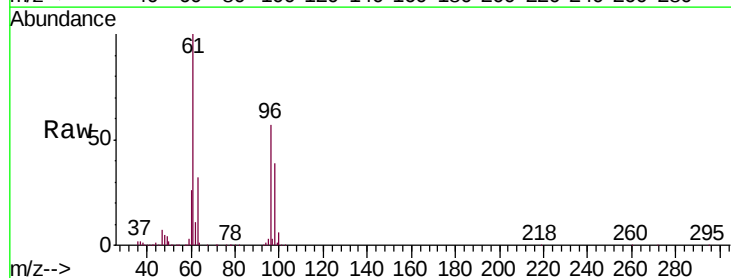
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

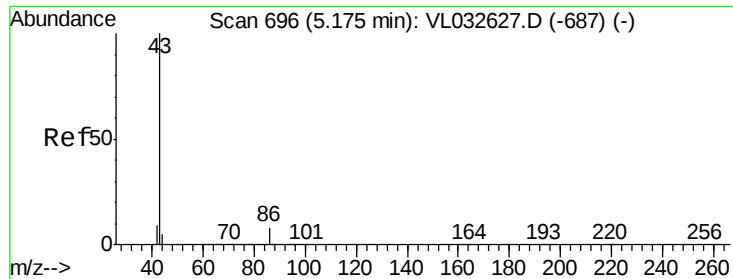
Tgt Ion: 41 Resp: 856524
 Ion Ratio Lower Upper
 41 100
 76 30.4 24.3 36.5
 39 75.4 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.582 ppbv
 RT: 4.98 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 96 Resp: 595574
 Ion Ratio Lower Upper
 96 100
 61 175.5 140.4 210.6
 98 68.8 55.0 82.6





#23

Vinyl Acetate

Concen: 11.025 ppbv

RT: 5.17 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

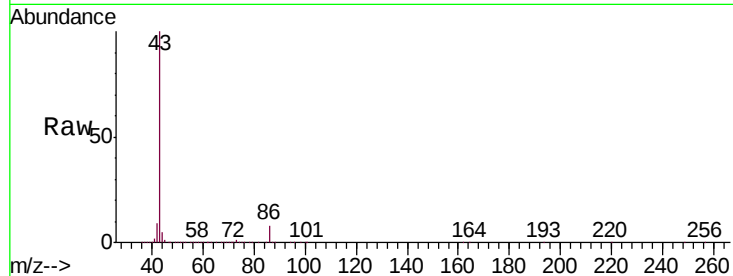
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1995549

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.3	7.4	11.2
44	5.2	4.2	6.2

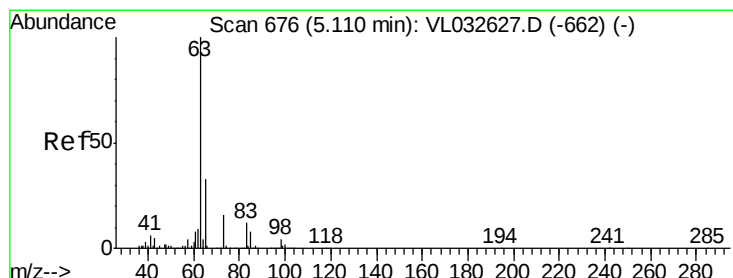
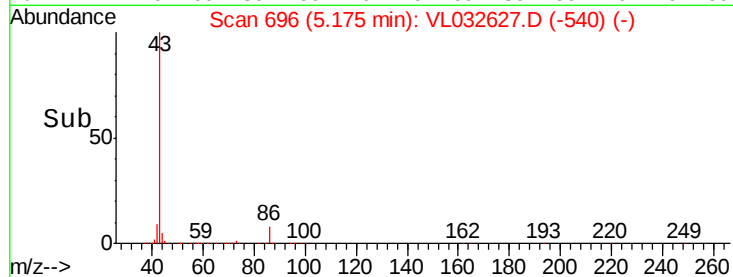
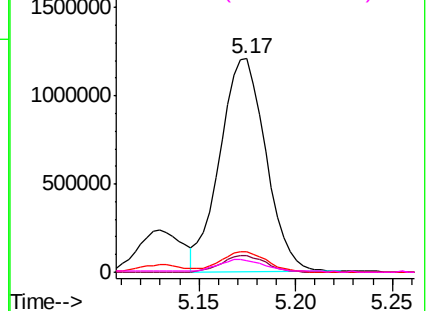


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.163 ppbv

RT: 5.11 min Scan# 676

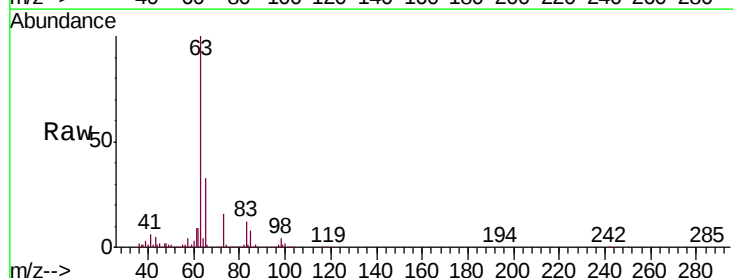
Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Tgt Ion: 63 Resp: 1626378

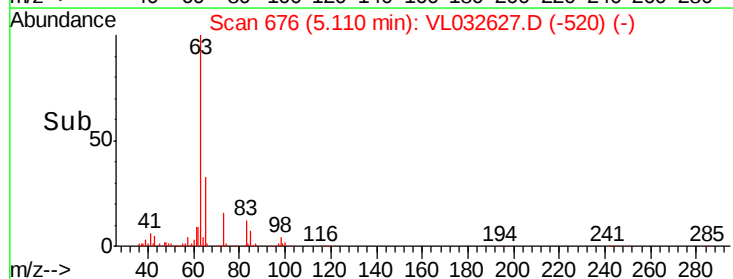
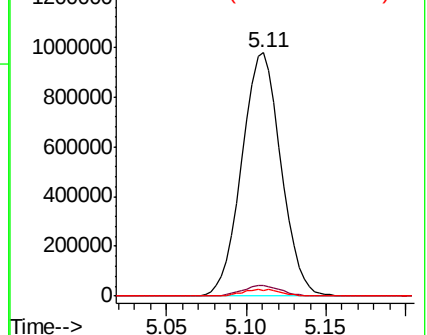
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.4	1.2	3.6

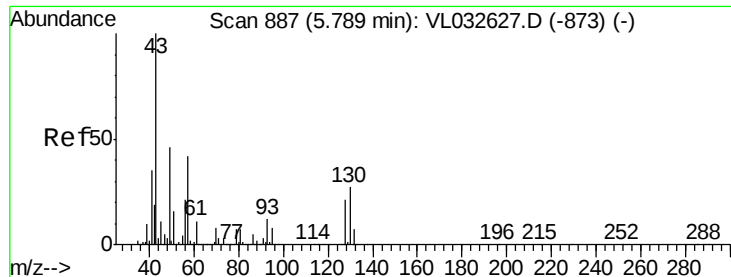


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



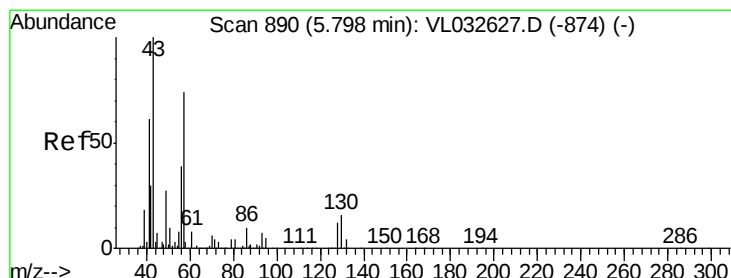
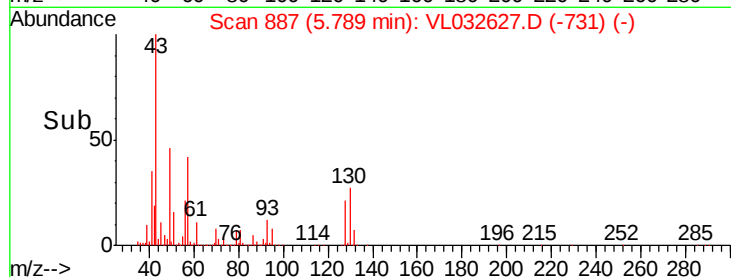
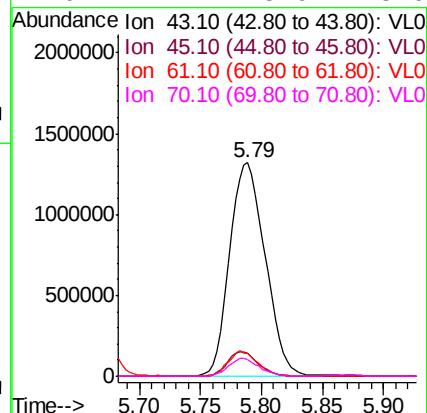
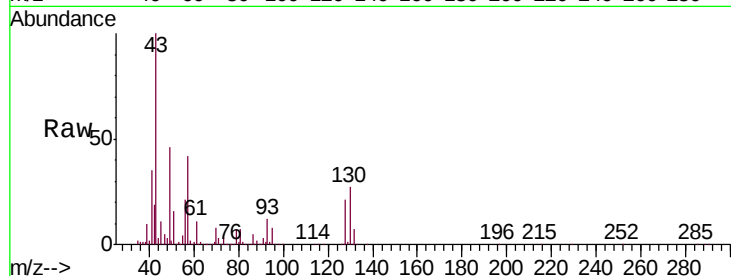


#25
Ethyl Acetate
Concen: 10.047 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2683514

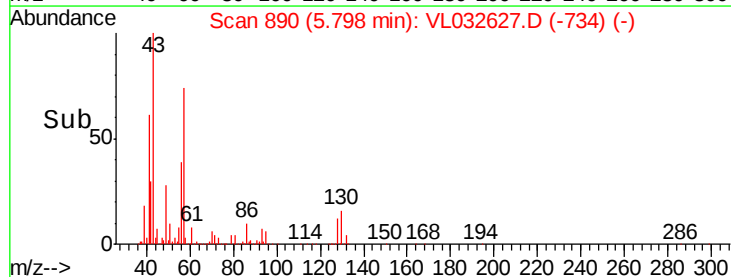
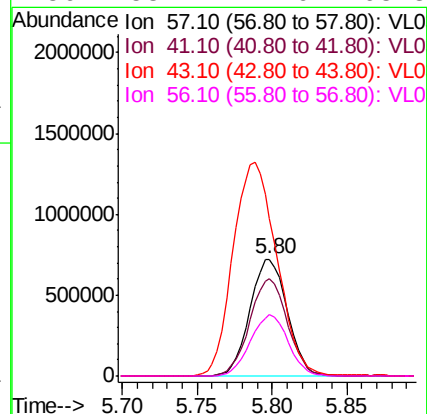
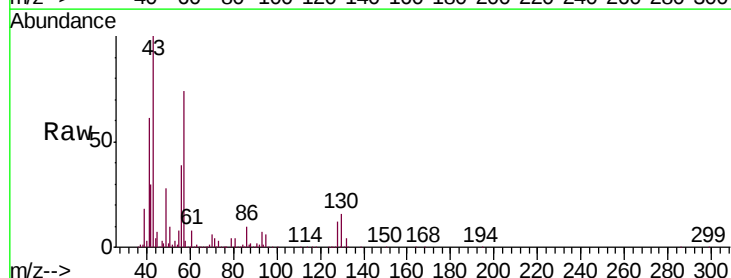
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	10.0	8.0	12.0
70	7.4	5.9	8.9

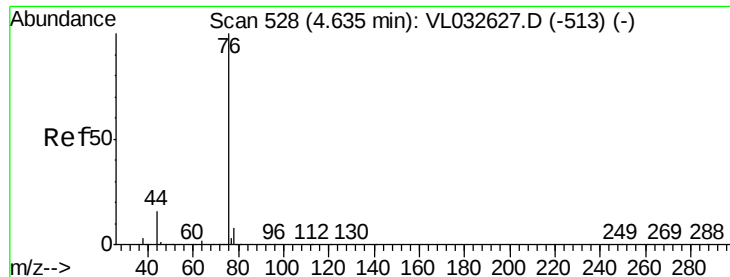


#26
Hexane
Concen: 10.285 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 57 Resp: 1254760

Ion	Ratio	Lower	Upper
57	100		
41	84.2	67.4	101.0
43	214.9	171.9	257.9
56	53.2	42.6	63.8





#27

Carbon Disulfide

Concen: 9.526 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

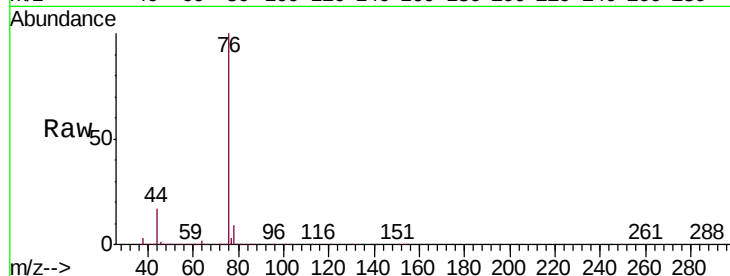
Tgt Ion: 76 Resp: 1390464

Ion Ratio Lower Upper

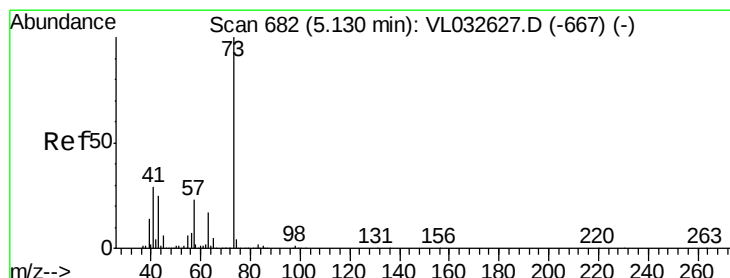
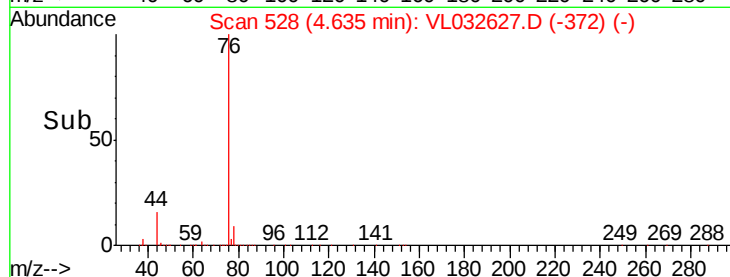
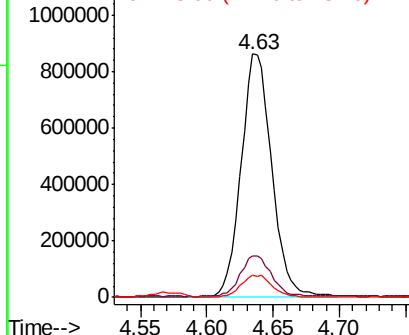
76 100

44 17.1 13.7 20.5

78 9.2 7.4 11.2



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: 11.470 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.00 min

Lab File: VL032627.D

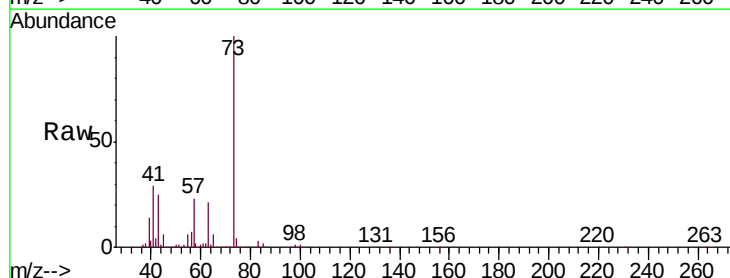
Acq: 17 Oct 2018 2:45

Tgt Ion: 73 Resp: 1653635

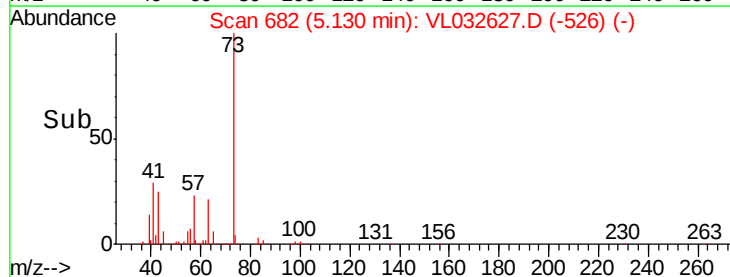
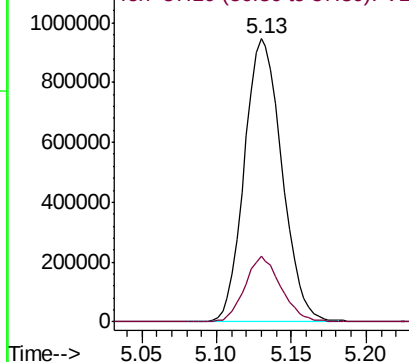
Ion Ratio Lower Upper

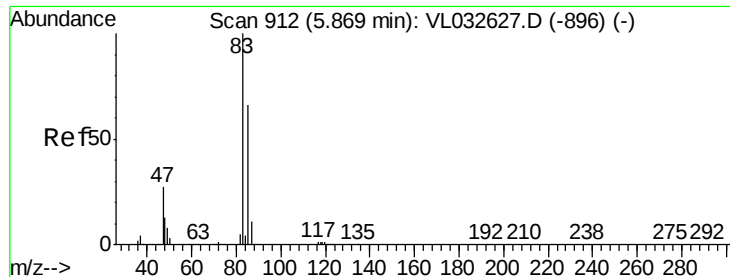
73 100

57 22.5 18.0 27.0



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





#29

Chloroform

Concen: 9.793 ppbv

RT: 5.87 min Scan# 912

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

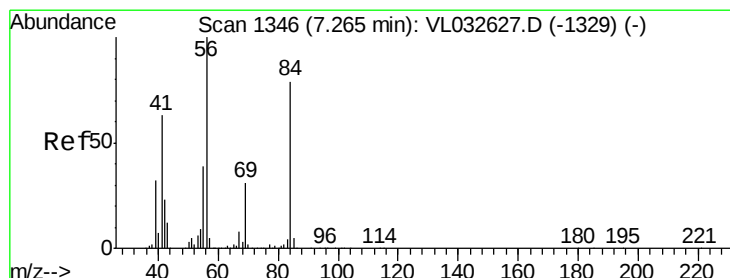
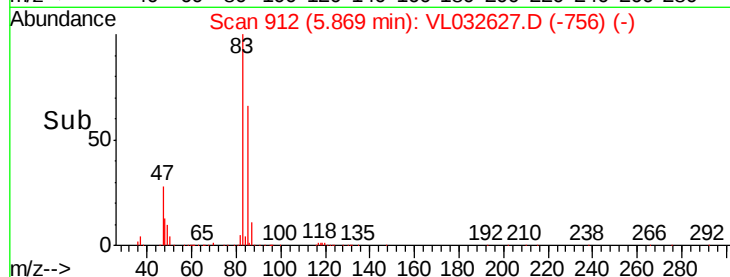
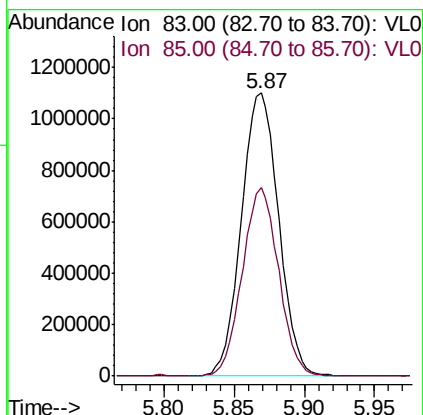
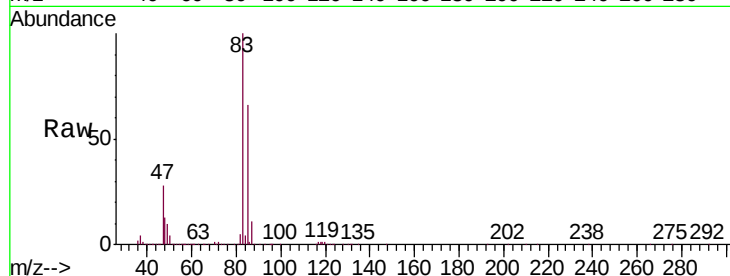
VSTDICCC010

Tgt Ion: 83 Resp: 2042836

Ion Ratio Lower Upper

83 100

85 66.3 53.0 79.6



#30

Cyclohexane

Concen: 11.011 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

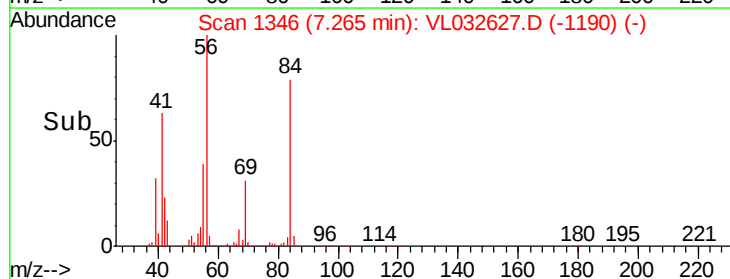
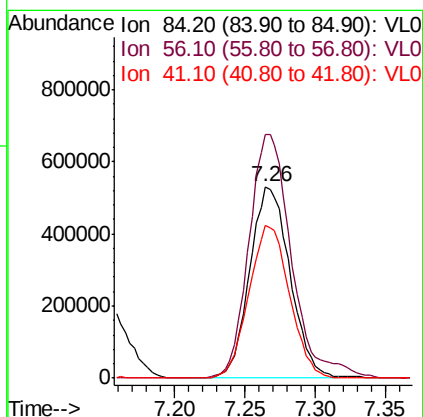
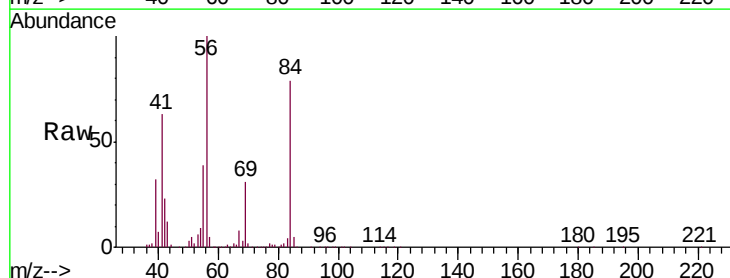
Tgt Ion: 84 Resp: 1055475

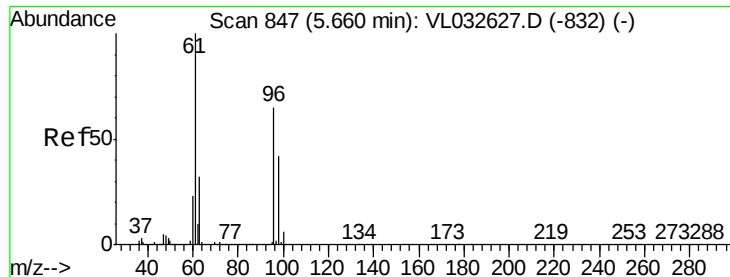
Ion Ratio Lower Upper

84 100

56 135.4 108.3 162.5

41 81.0 64.8 97.2



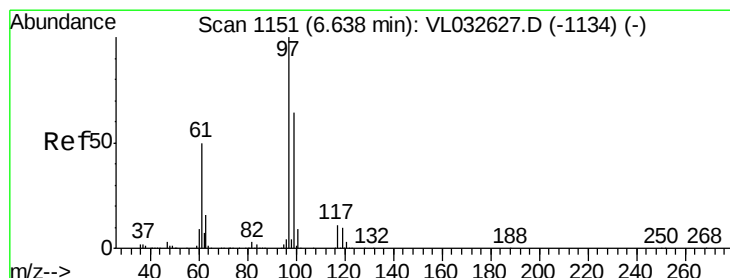
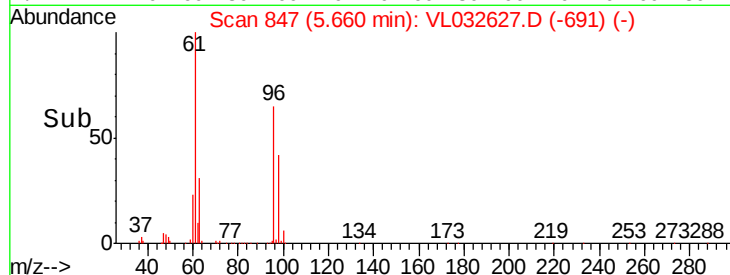
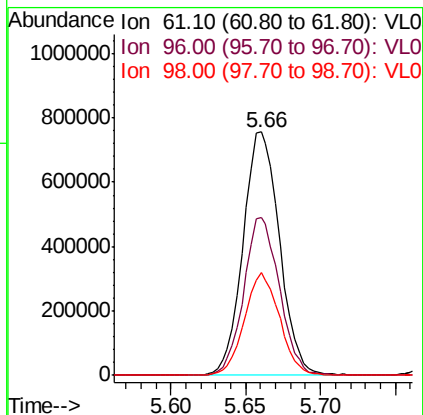
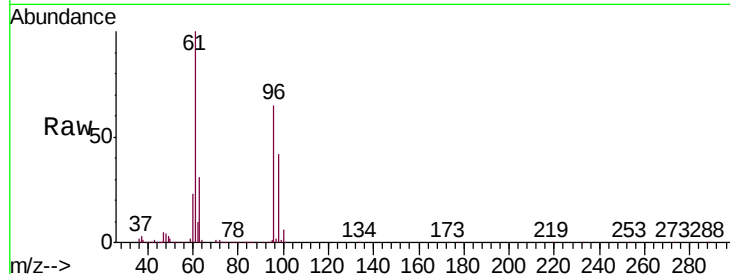


#31

cis-1,2-Dichloroethene
 Concen: 11.082 ppbv
 RT: 5.66 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

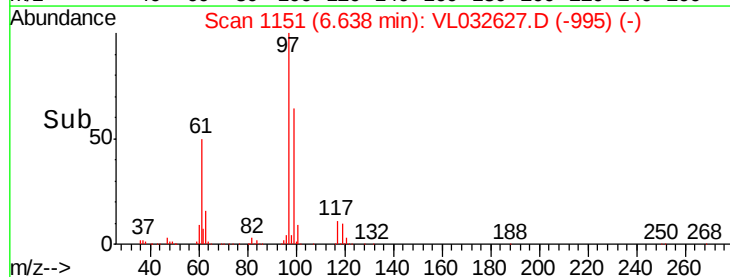
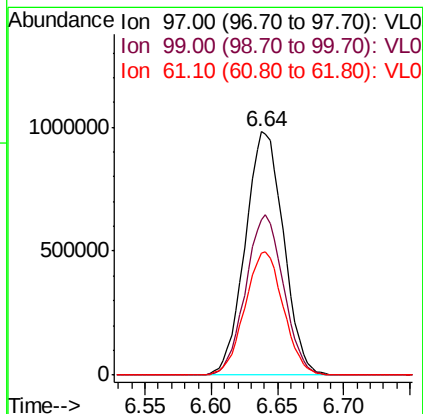
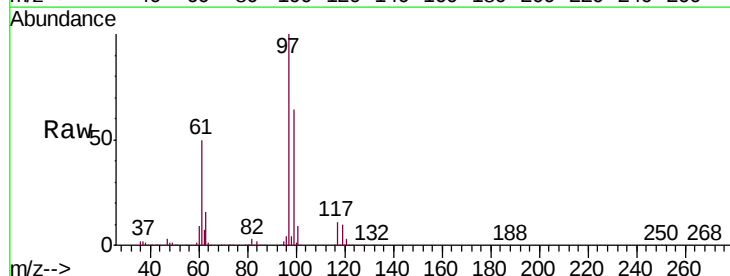
Tgt Ion: 61 Resp: 1282923
 Ion Ratio Lower Upper
 61 100
 96 64.7 51.8 77.6
 98 42.2 33.8 50.6

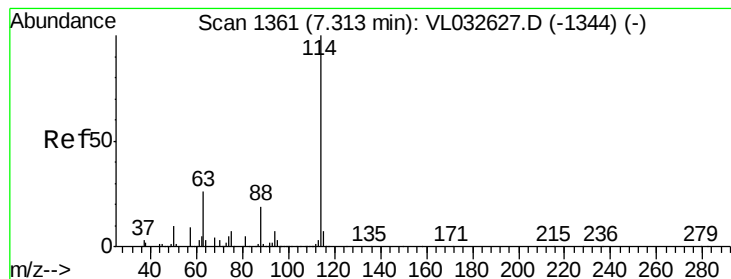


#32

1,1,1-Trichloroethane
 Concen: 9.805 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 97 Resp: 1977298
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 50.9 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

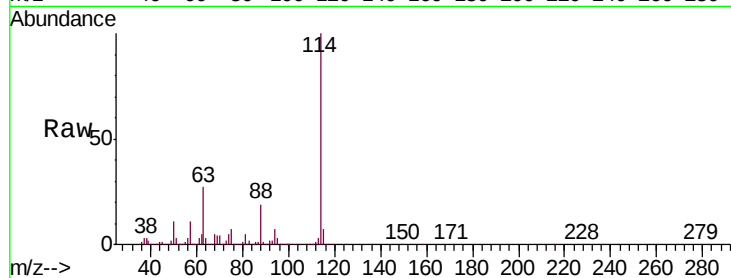
Tgt Ion:114 Resp: 2973421

Ion Ratio Lower Upper

114 100

63 27.1 21.7 32.5

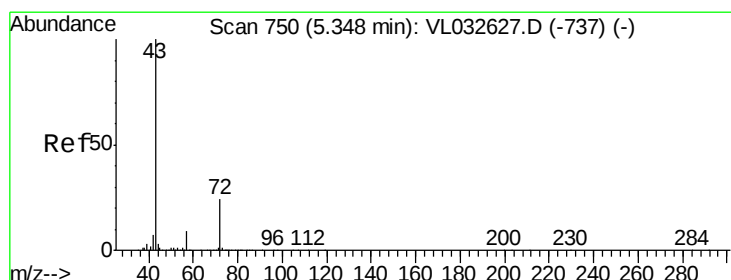
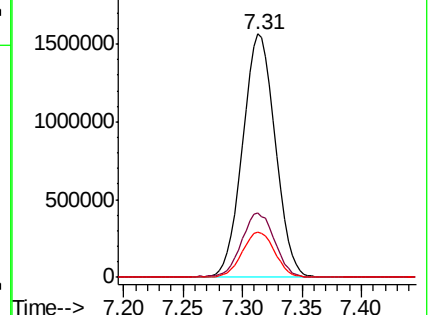
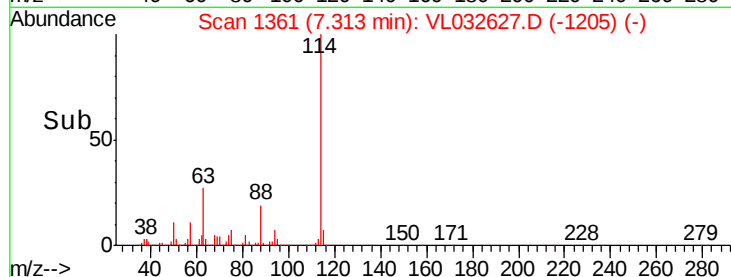
88 18.6 14.9 22.3



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: 11.582 ppbv

RT: 5.35 min Scan# 750

Delta R.T. 0.00 min

Lab File: VL032627.D

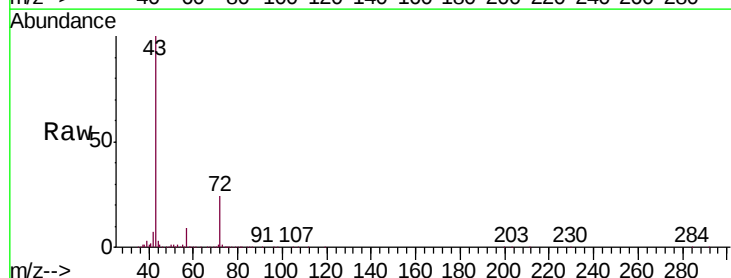
Acq: 17 Oct 2018 2:45

Tgt Ion: 43 Resp: 1775651

Ion Ratio Lower Upper

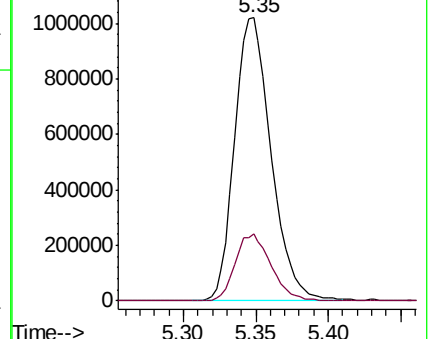
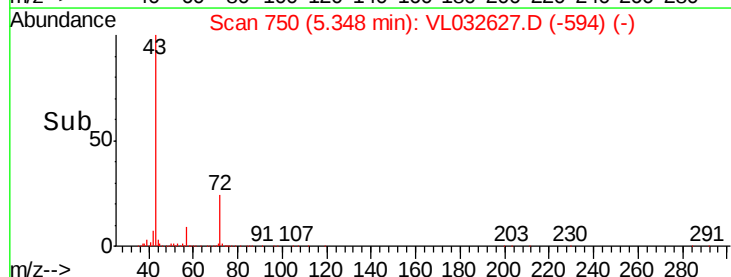
43 100

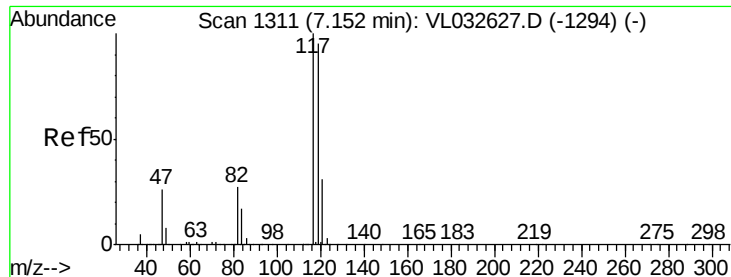
72 23.4 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.782 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

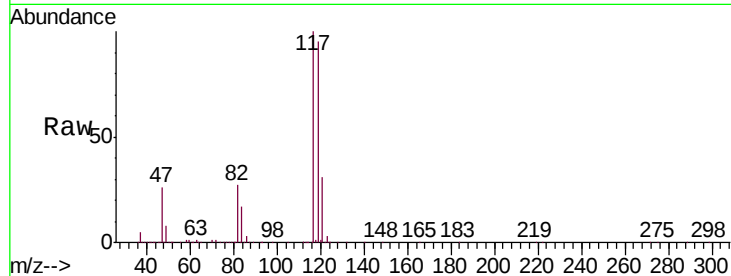
Tgt Ion:117 Resp: 2089619

Ion Ratio Lower Upper

117 100

119 94.6 75.7 113.5

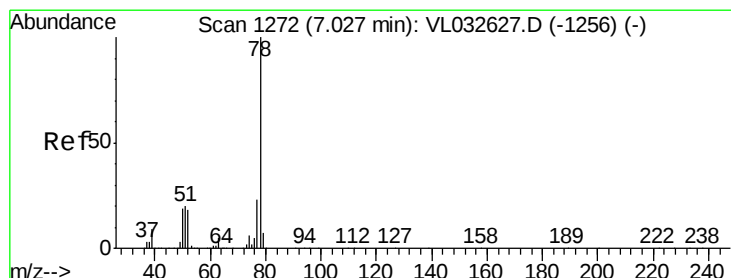
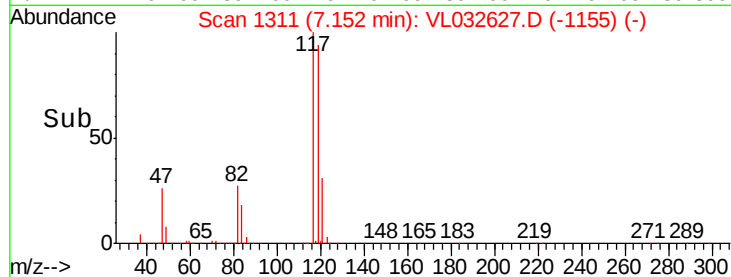
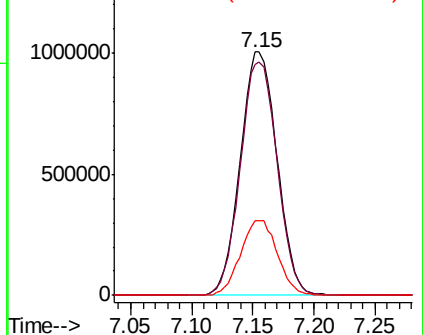
121 30.9 24.7 37.1



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: 10.914 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

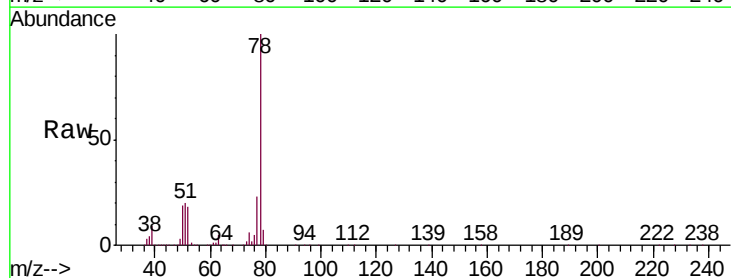
Tgt Ion: 78 Resp: 2567667

Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

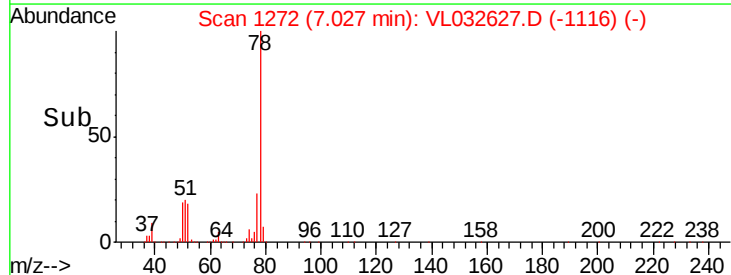
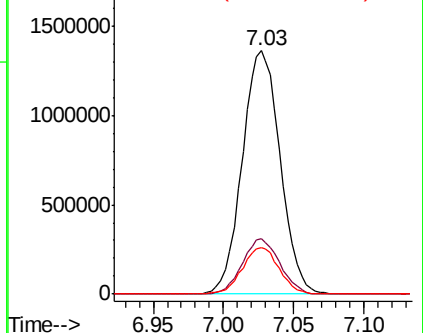
50 18.9 15.1 22.7

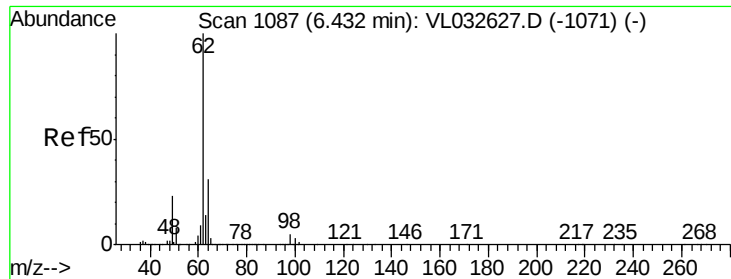


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

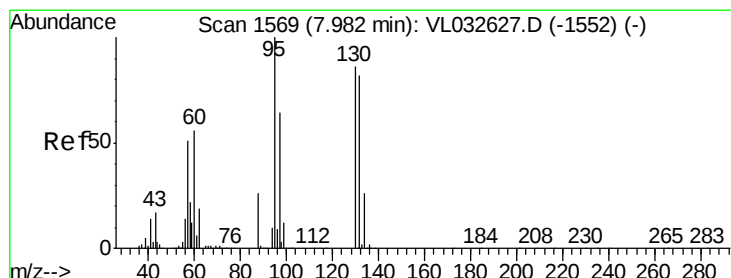
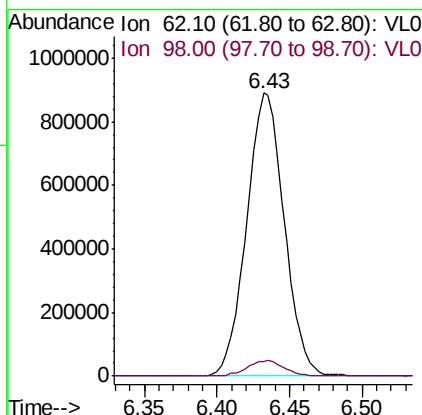
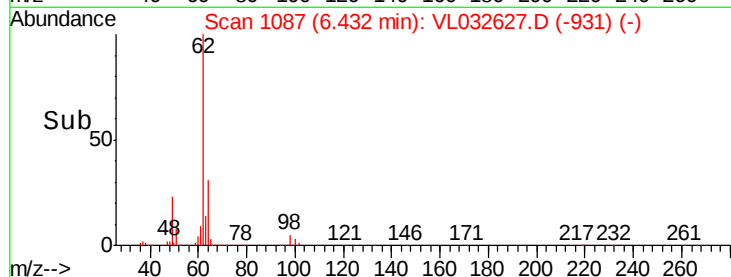
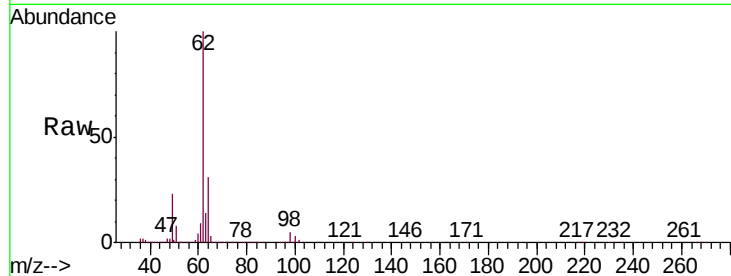




#37
 1,2-Dichloroethane
 Concen: 10.260 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

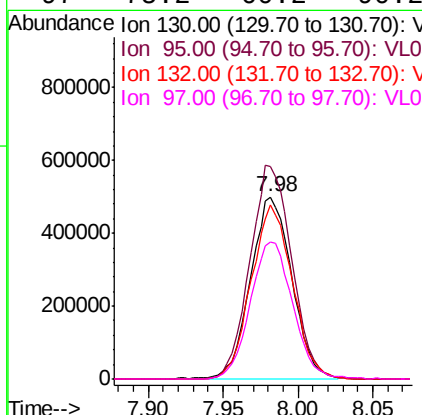
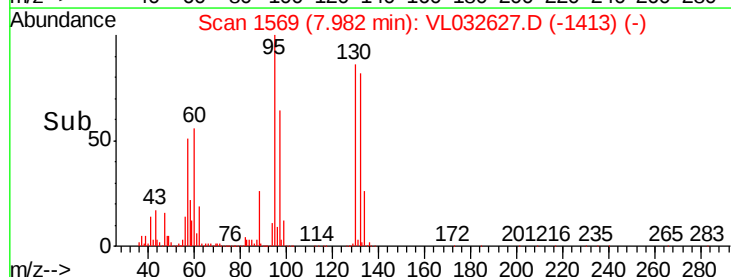
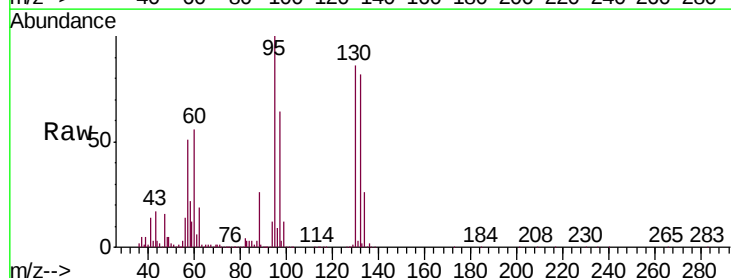
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

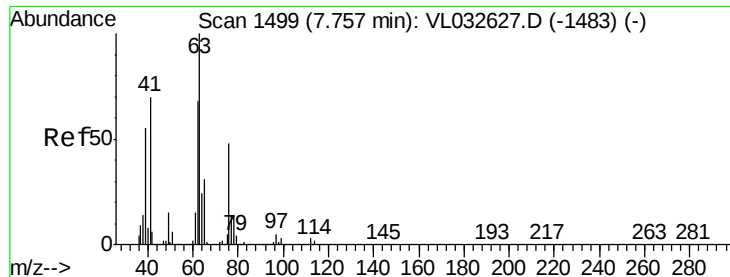
Tgt Ion: 62 Resp: 1607473
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 10.971 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 130 Resp: 949938
 Ion Ratio Lower Upper
 130 100
 95 116.7 93.4 140.0
 132 95.6 76.5 114.7
 97 75.2 60.2 90.2





#39

1,2-Dichloropropane

Concen: 10.338 ppbv

RT: 7.76 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

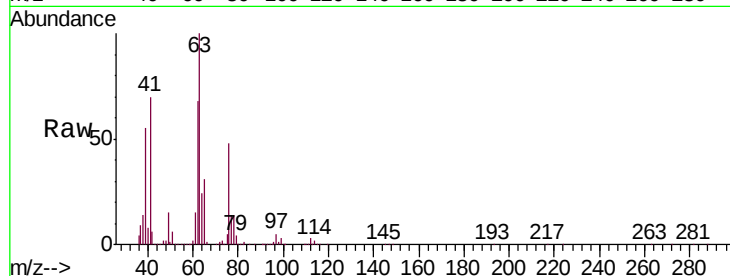
Tgt Ion: 63 Resp: 994801

Ion Ratio Lower Upper

63 100

41 70.3 56.2 84.4

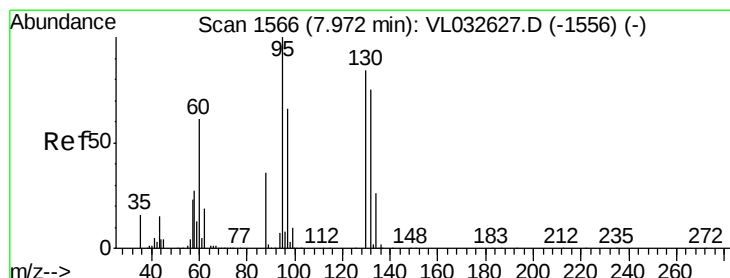
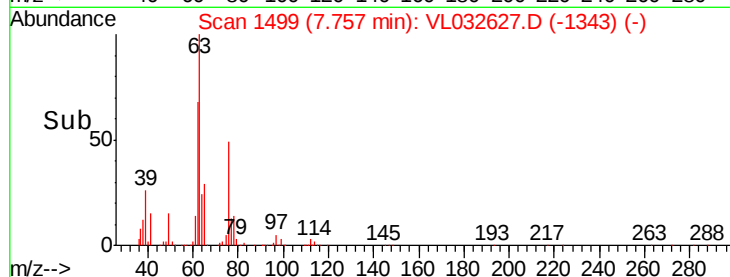
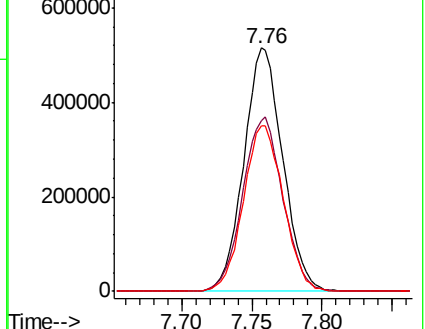
62 68.0 54.4 81.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 4.861 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Tgt Ion: 88 Resp: 154147

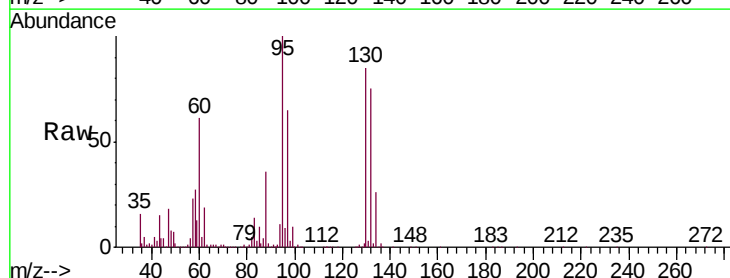
Ion Ratio Lower Upper

88 100

58 0.0 104.0 156.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

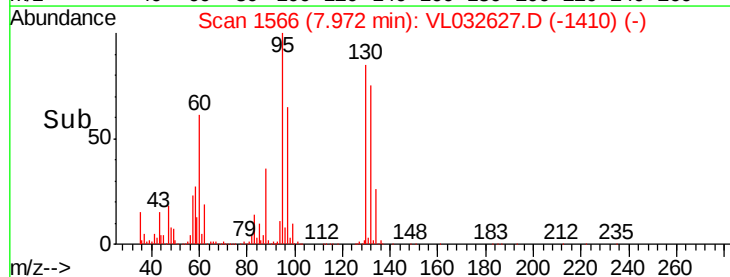
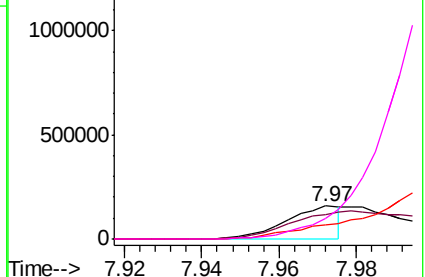


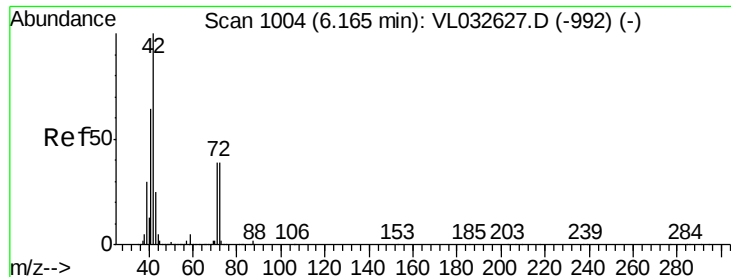
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.778 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

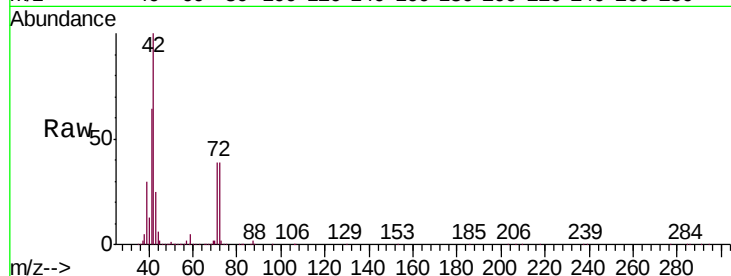
Tgt Ion: 42 Resp: 1007544

Ion Ratio Lower Upper

42 100

72 40.5 32.4 48.6

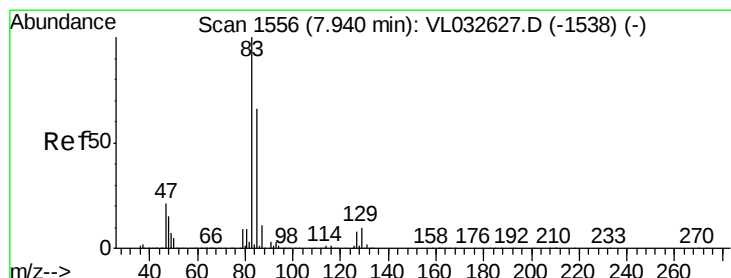
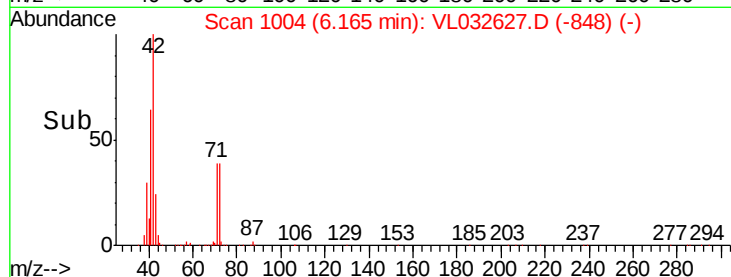
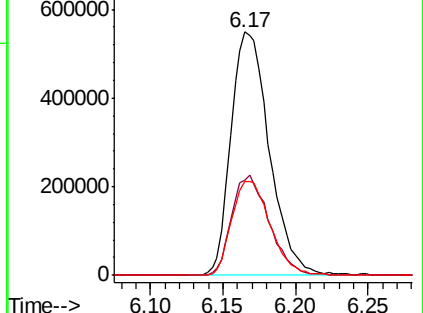
71 39.1 31.3 46.9



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: 10.121 ppbv

RT: 7.94 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

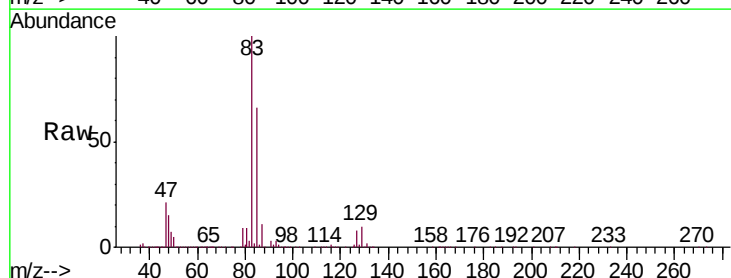
Tgt Ion: 83 Resp: 2220145

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6

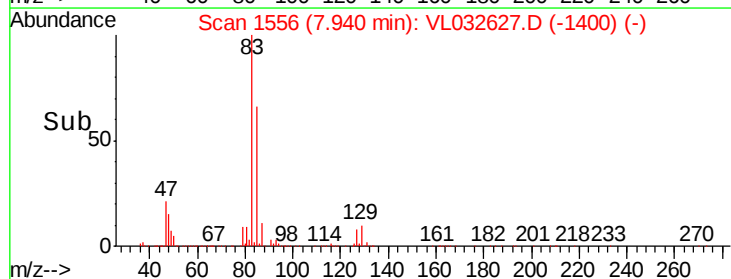
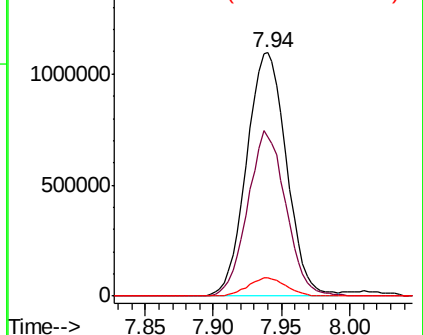
127 7.6 6.1 9.1

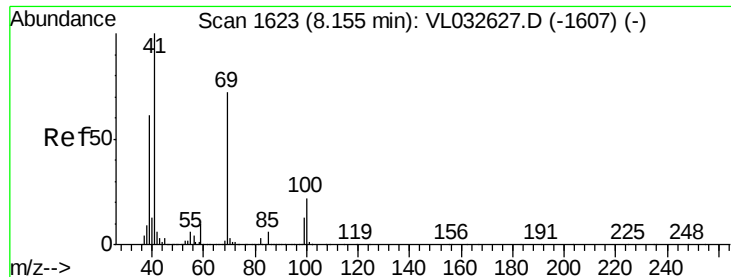


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

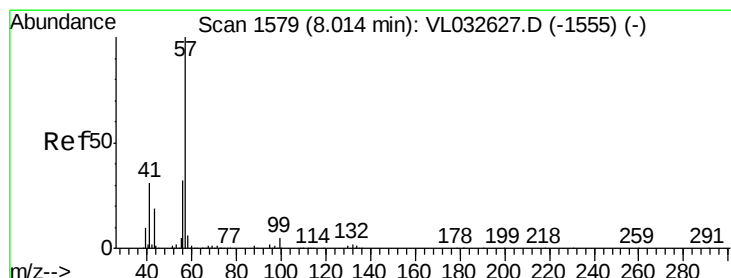
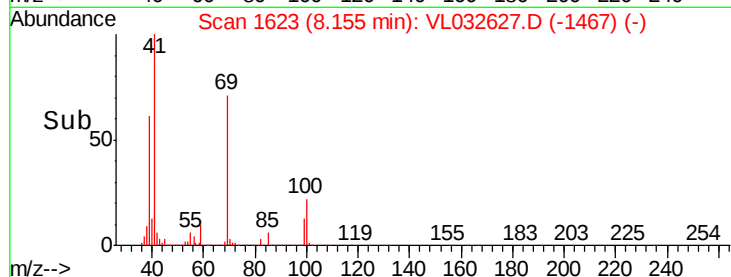
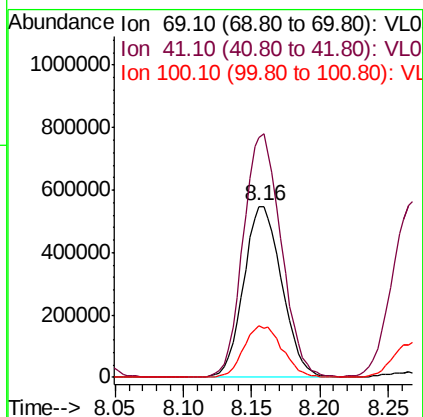
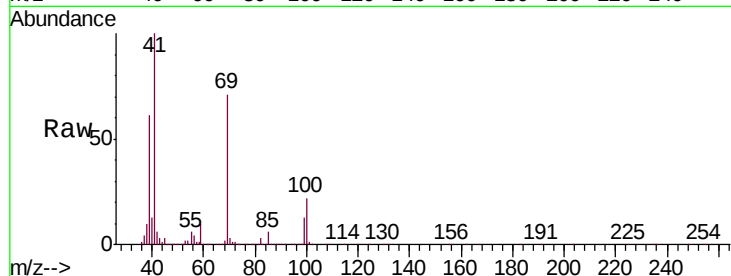




#43
Methyl Methacrylate
Concen: 11.642 ppbv
RT: 8.16 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

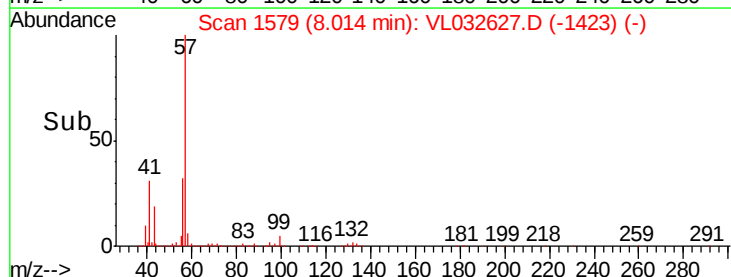
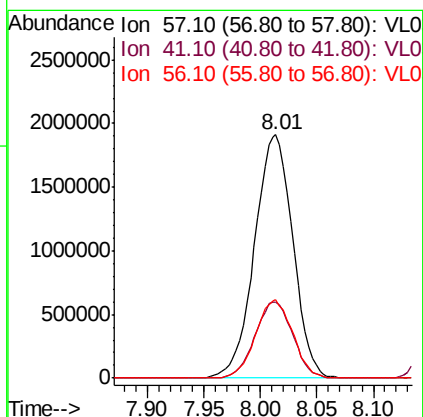
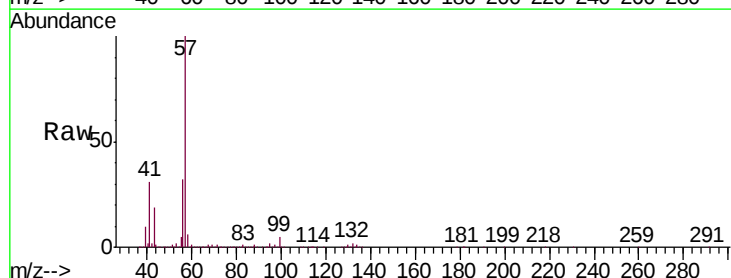
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

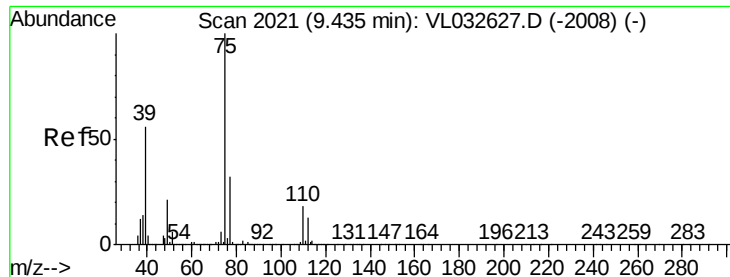
Tgt Ion: 69 Resp: 1063905
Ion Ratio Lower Upper
69 100
41 141.5 113.2 169.8
100 30.5 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.724 ppbv
RT: 8.01 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 57 Resp: 4491276
Ion Ratio Lower Upper
57 100
41 30.9 24.7 37.1
56 31.2 25.0 37.4

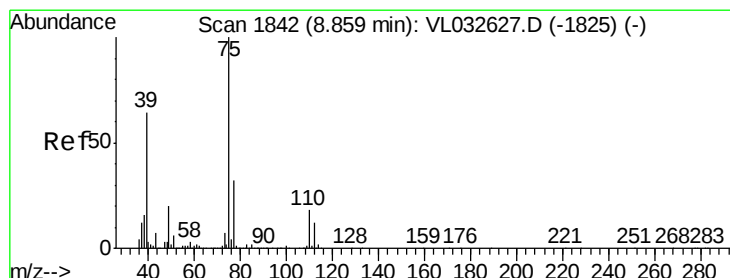
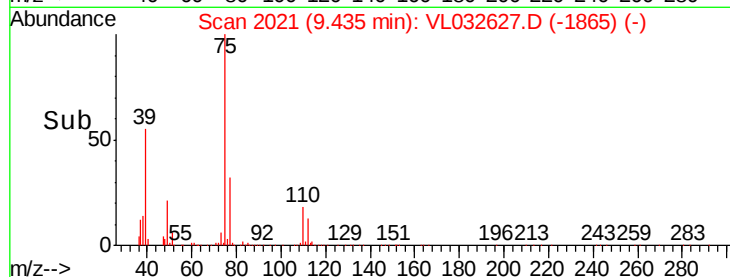
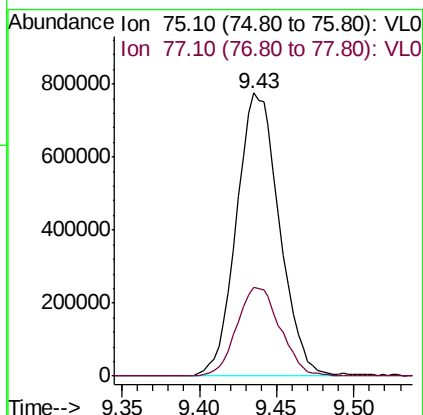
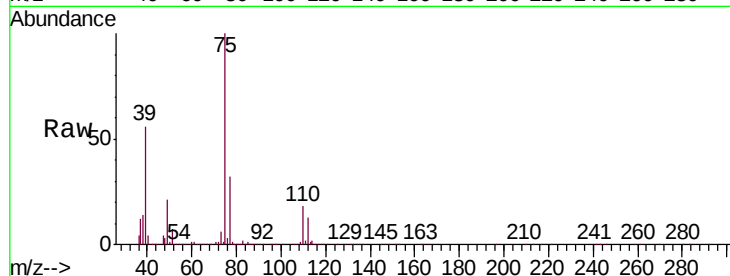




#45
 t-1,3-Dichloropropene
 Concen: 12.934 ppbv
 RT: 9.43 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

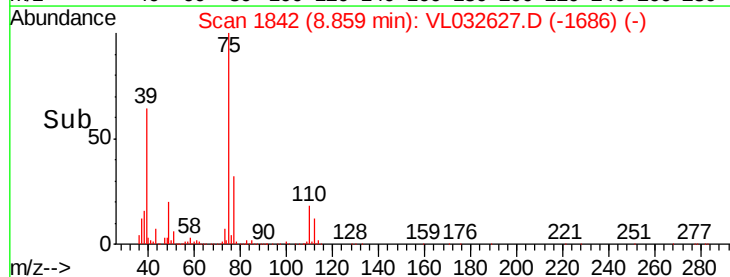
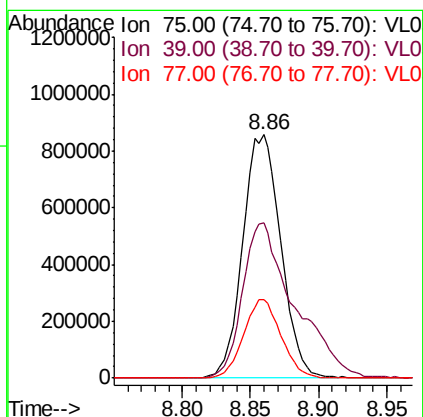
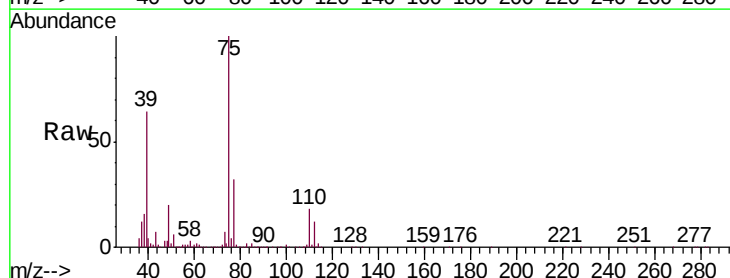
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

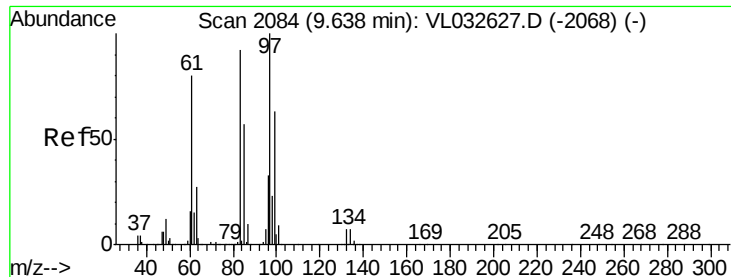
Tgt Ion: 75 Resp: 1488697
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 12.677 ppbv
 RT: 8.86 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 75 Resp: 1661988
 Ion Ratio Lower Upper
 75 100
 39 63.6 50.9 76.3
 77 32.2 25.8 38.6

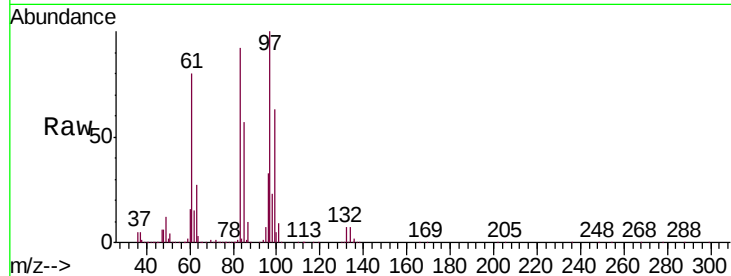




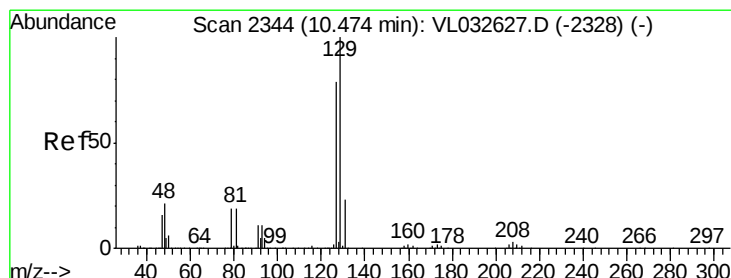
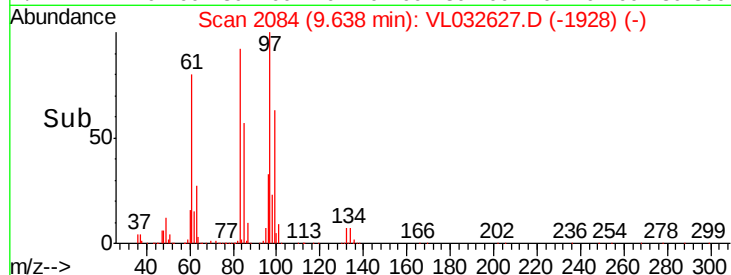
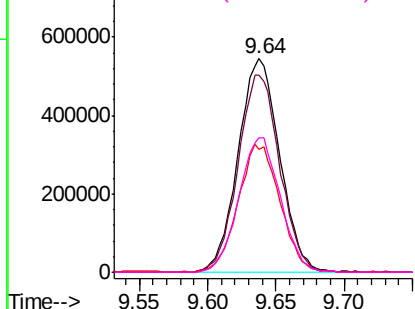
#47
 1,1,2-Trichloroethane
 Concen: 10.109 ppbv
 RT: 9.64 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 1154074
 Ion Ratio Lower Upper
 97 100
 83 91.9 73.5 110.3
 85 57.2 45.8 68.6
 99 63.2 50.6 75.8

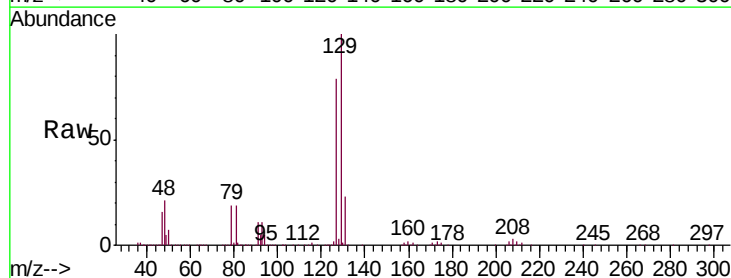


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

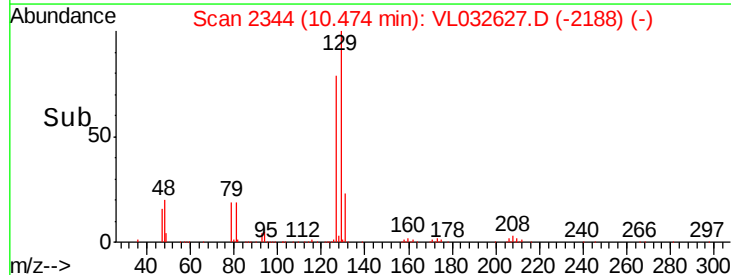
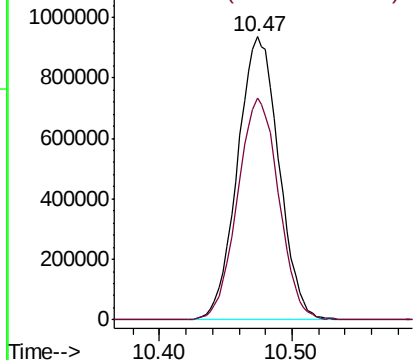


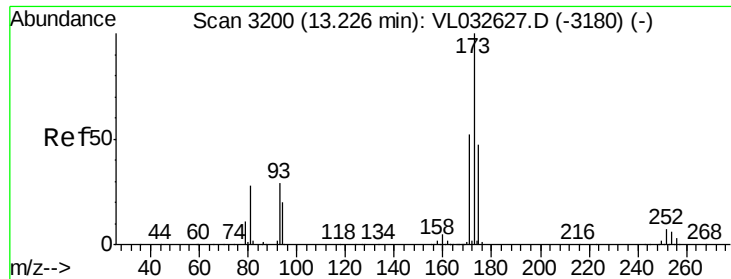
#48
 Dibromochloromethane
 Concen: 10.645 ppbv
 RT: 10.47 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 129 Resp: 2021874
 Ion Ratio Lower Upper
 129 100
 127 78.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.533 ppbv

RT: 13.23 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

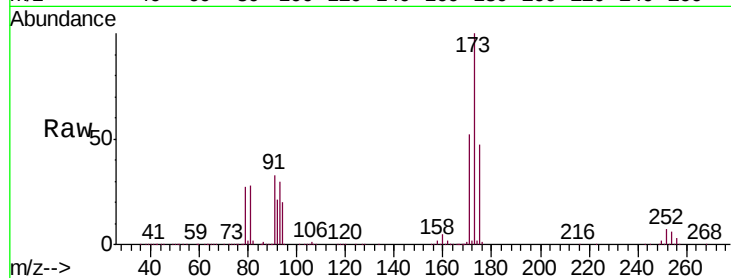
Tgt Ion:173 Resp: 1526047

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

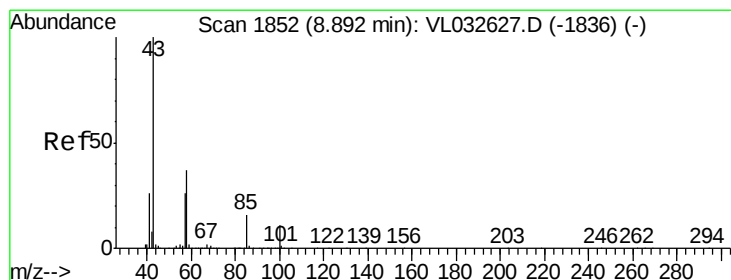
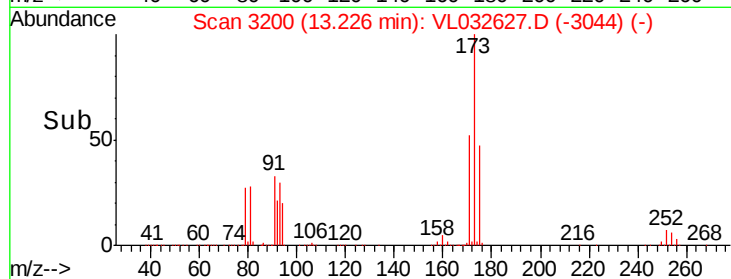
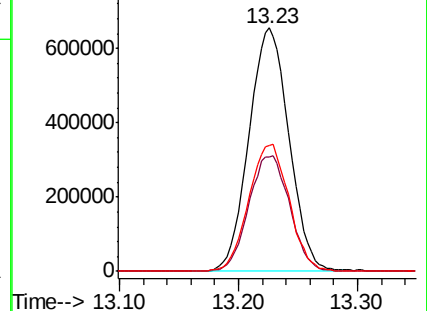
171 52.7 42.2 63.2



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: 11.309 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL032627.D

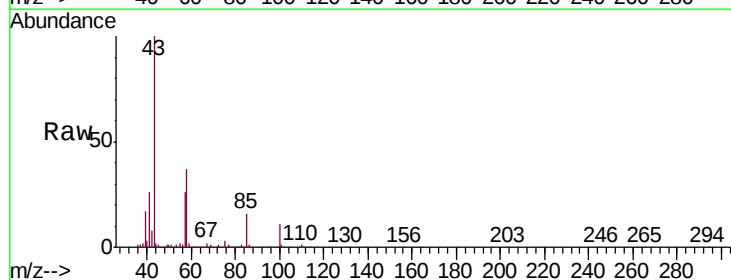
Acq: 17 Oct 2018 2:45

Tgt Ion: 43 Resp: 2663849

Ion Ratio Lower Upper

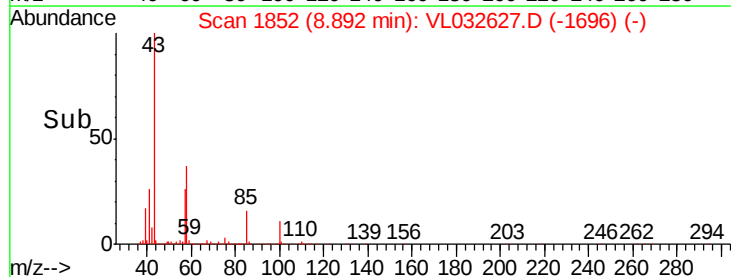
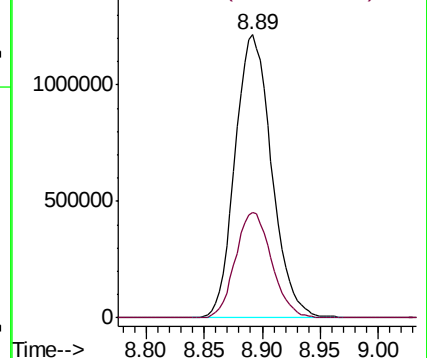
43 100

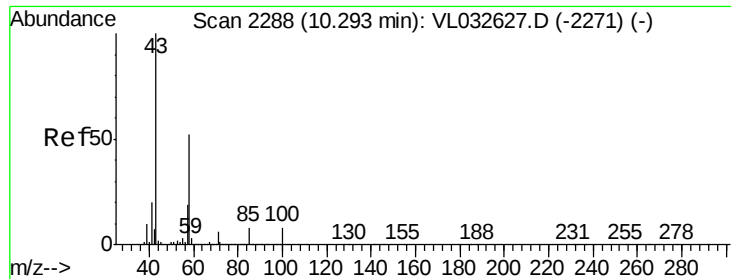
58 37.1 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

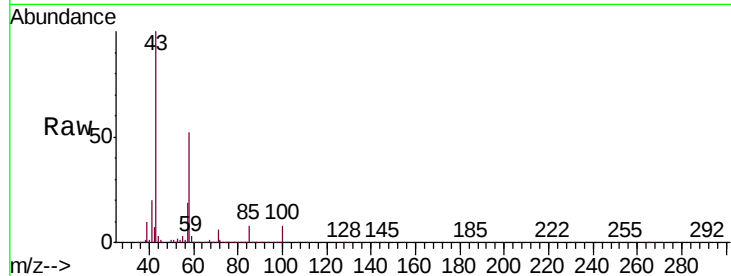




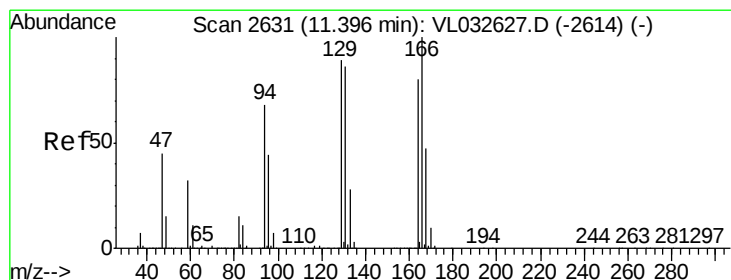
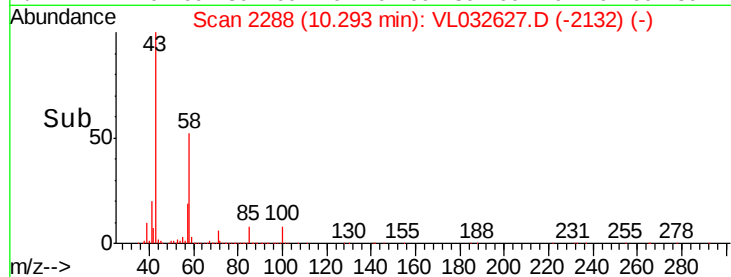
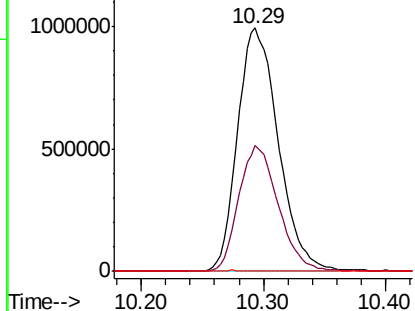
#51
2-Hexanone
Concen: 12.430 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2290157
Ion Ratio Lower Upper
43 100
58 50.5 40.4 60.6
98 0.5 0.4 0.6

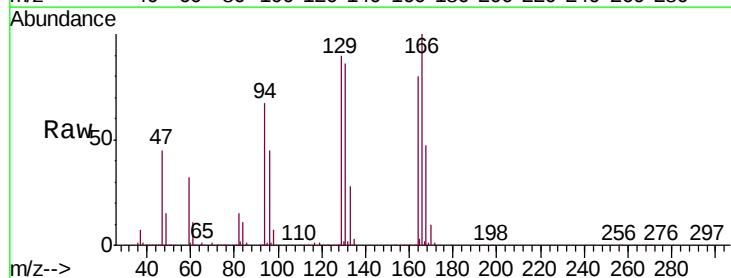


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

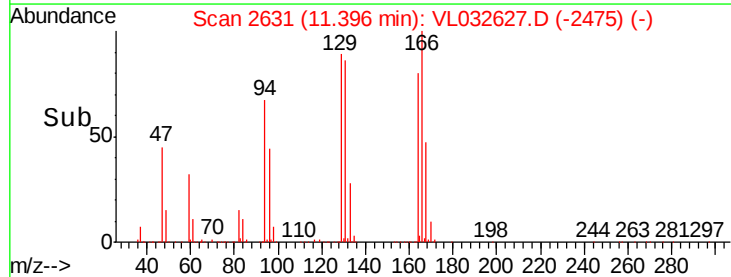
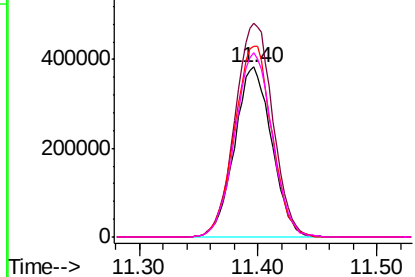


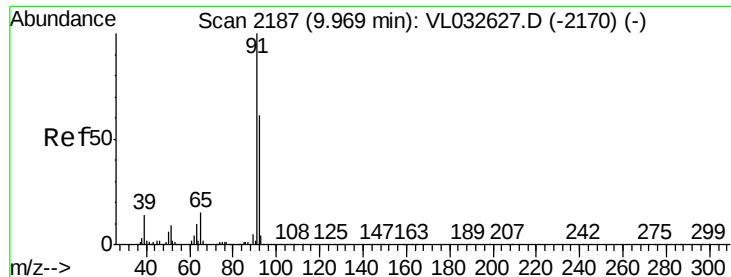
#52
Tetrachloroethene
Concen: 10.900 ppbv
RT: 11.40 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 164 Resp: 825318
Ion Ratio Lower Upper
164 100
166 125.6 100.5 150.7
129 112.5 90.0 135.0
131 108.2 86.6 129.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.907 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

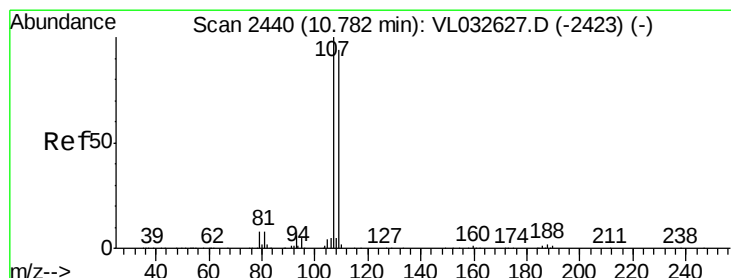
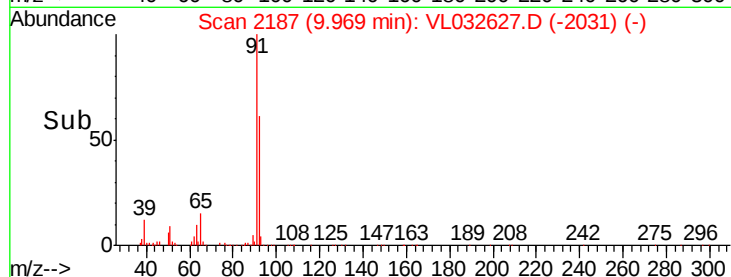
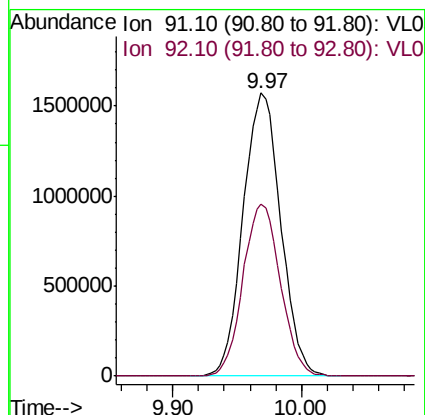
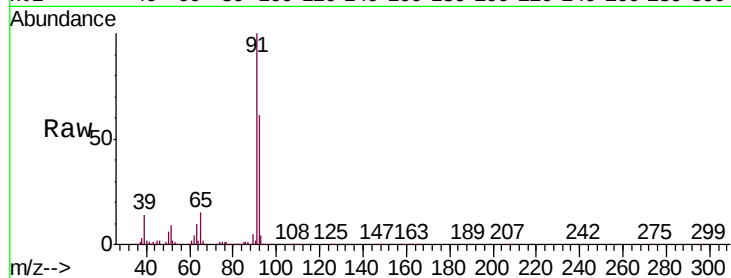
VSTDICCC010

Tgt Ion: 91 Resp: 3195824

Ion Ratio Lower Upper

91 100

92 60.5 48.4 72.6



#54

1,2-Dibromoethane

Concen: 11.042 ppbv

RT: 10.78 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL032627.D

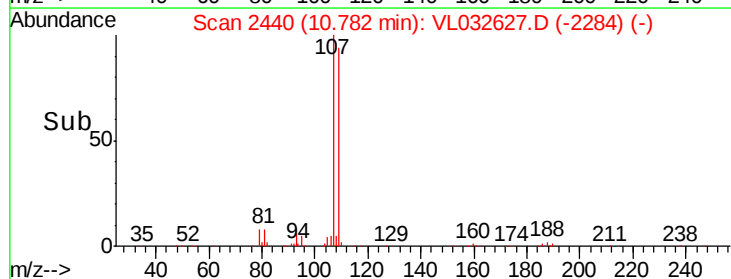
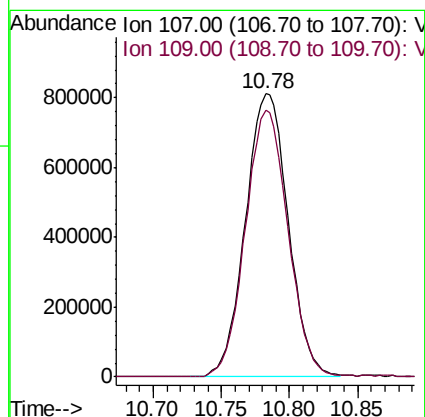
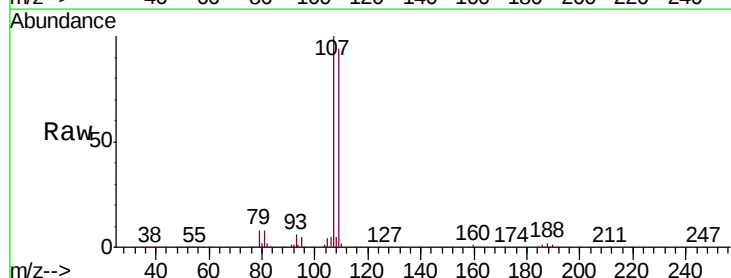
Acq: 17 Oct 2018 2:45

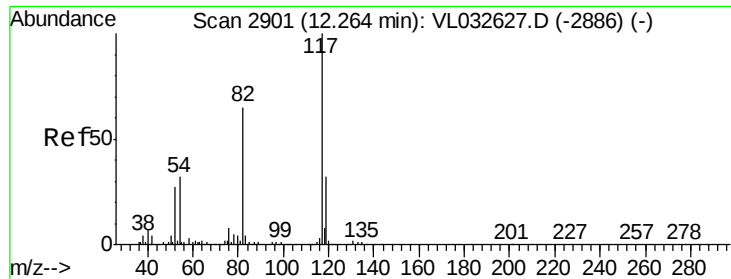
Tgt Ion: 107 Resp: 1766898

Ion Ratio Lower Upper

107 100

109 94.1 75.3 112.9

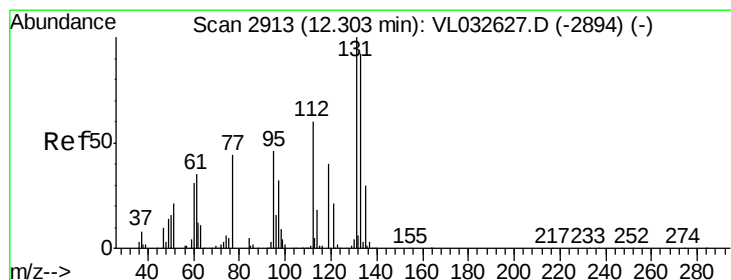
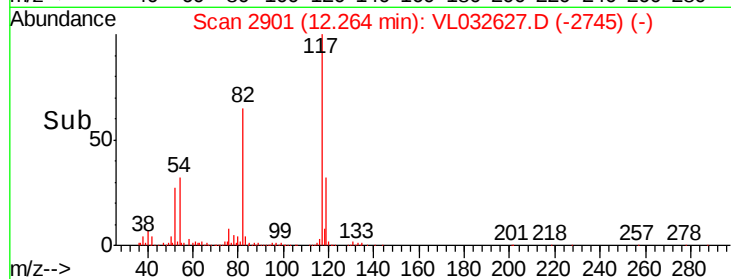
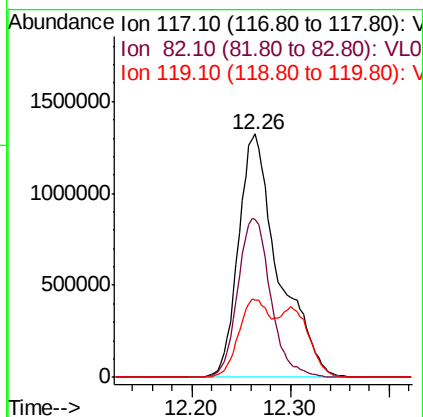
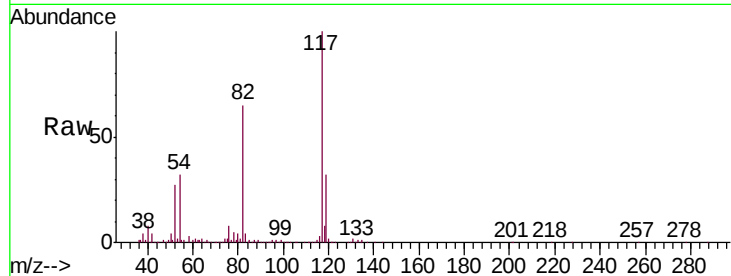




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

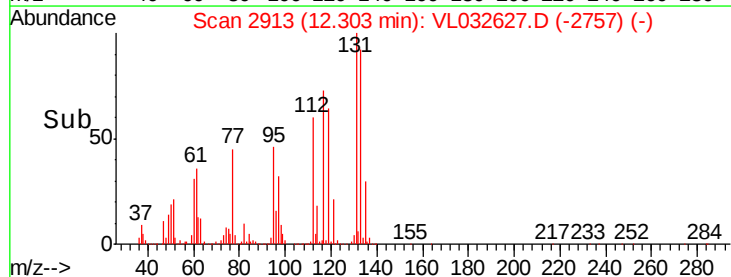
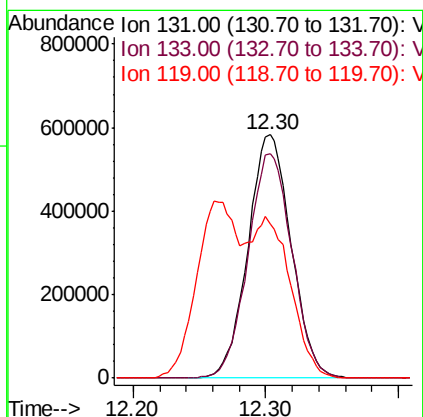
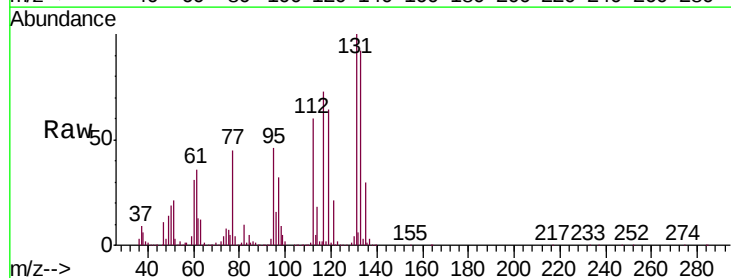
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

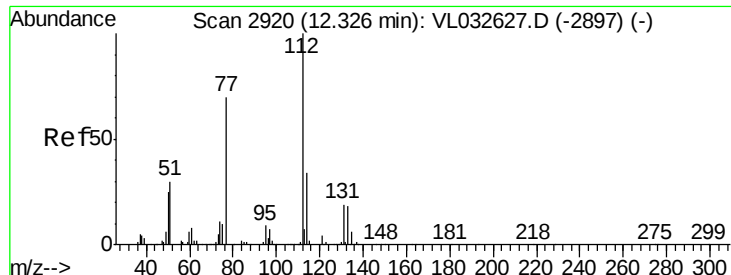
Tgt Ion:117 Resp: 3729855
Ion Ratio Lower Upper
117 100
82 53.8 52.7 79.1
119 27.2 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.818 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion:131 Resp: 1318927
Ion Ratio Lower Upper
131 100
133 94.3 75.4 113.2
119 61.4 49.1 73.7





#57

Chlorobenzene

Concen: 7.928 ppbv

RT: 12.33 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

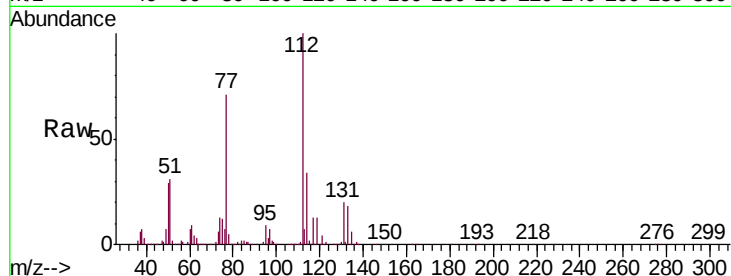
Tgt Ion: 112 Resp: 2240809

Ion Ratio Lower Upper

112 100

77 71.0 56.8 85.2

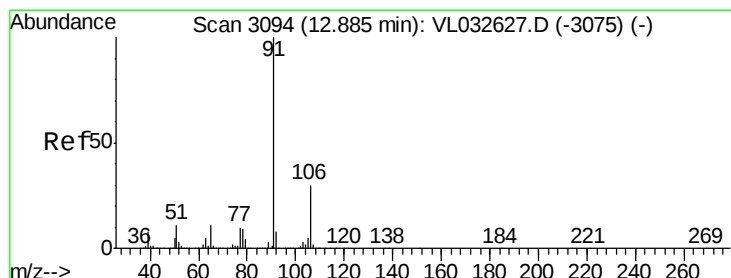
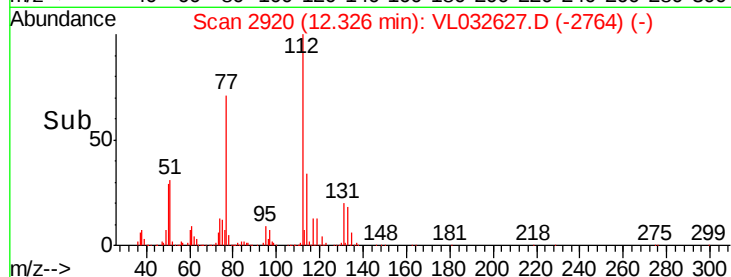
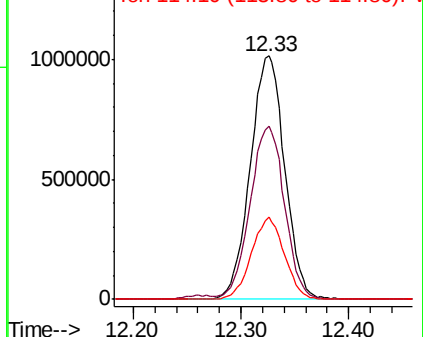
114 33.7 30.3 37.1



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: 9.802 ppbv

RT: 12.89 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL032627.D

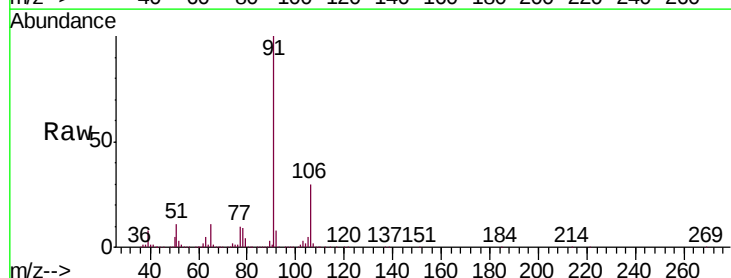
Acq: 17 Oct 2018 2:45

Tgt Ion: 91 Resp: 4023228

Ion Ratio Lower Upper

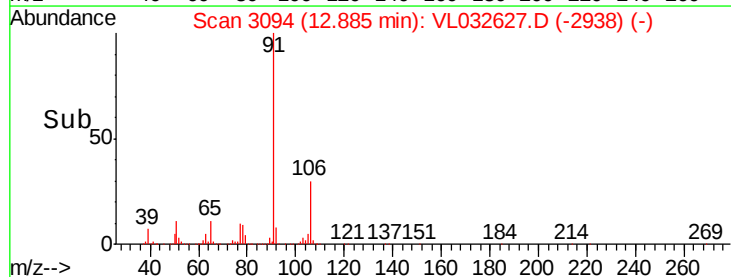
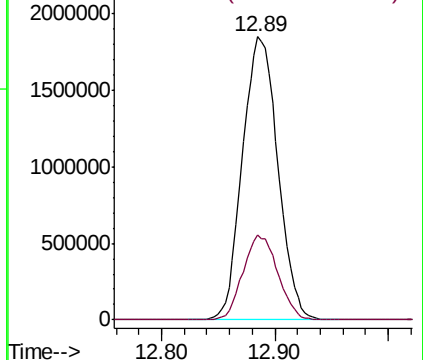
91 100

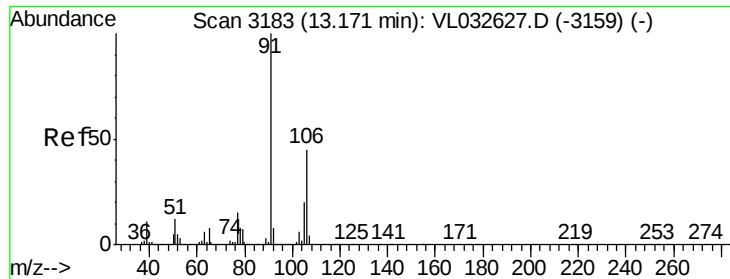
106 30.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

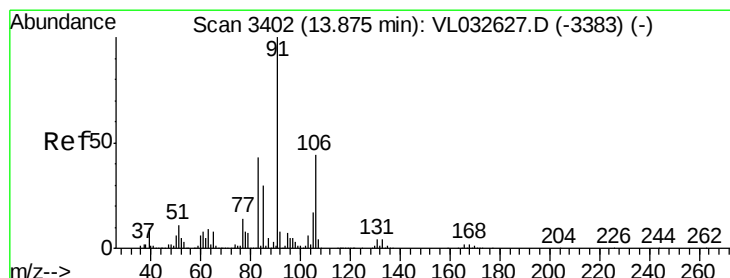
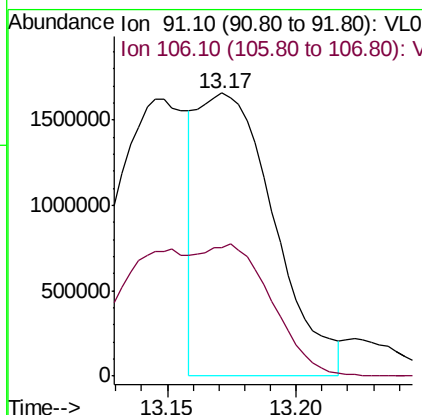
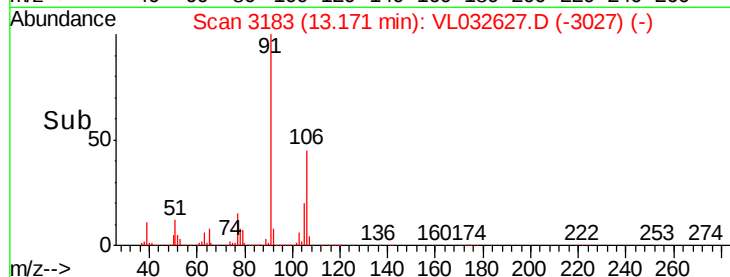
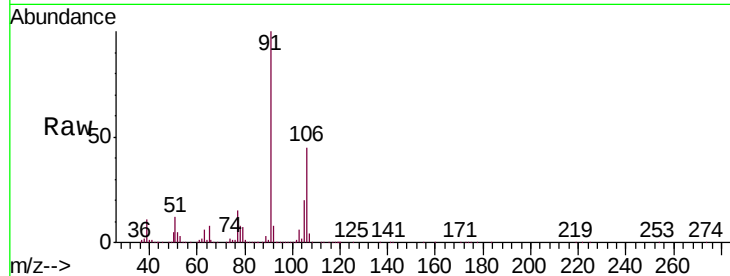




#59
m/p-Xylene
Concen: 9.151 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

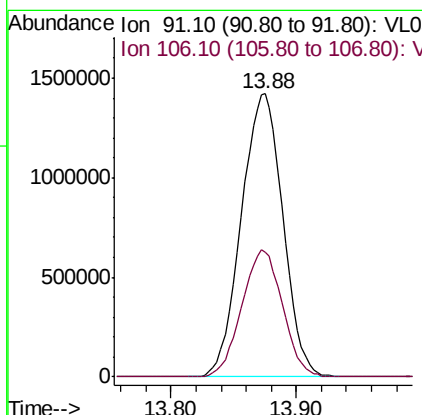
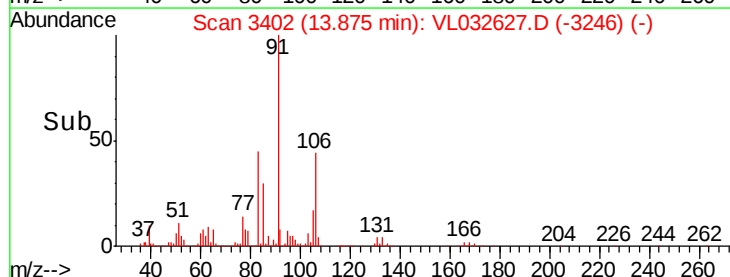
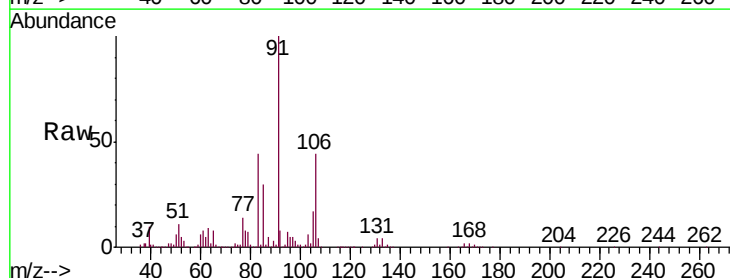
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

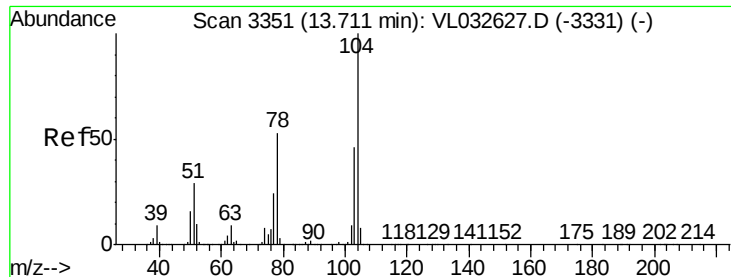
Tgt Ion: 91 Resp: 3407398
Ion Ratio Lower Upper
91 100
106 87.6 35.9 53.9#



#60
o-Xylene
Concen: 8.900 ppbv
RT: 13.88 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL032627.D
Acq: 17 Oct 2018 2:45

Tgt Ion: 91 Resp: 3268522
Ion Ratio Lower Upper
91 100
106 44.1 22.1 66.1





#61

Styrene

Concen: 10.433 ppbv

RT: 13.71 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

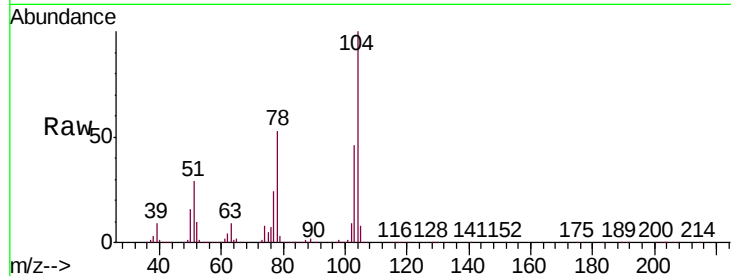
Tgt Ion:104 Resp: 2352419

Ion Ratio Lower Upper

104 100

78 53.4 42.8 64.2

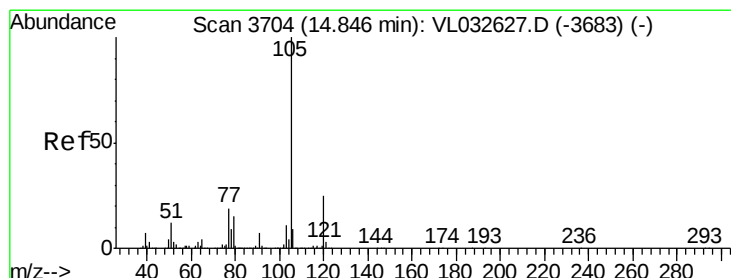
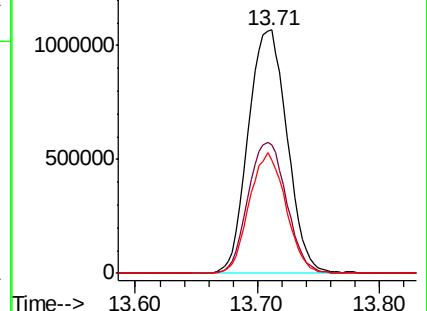
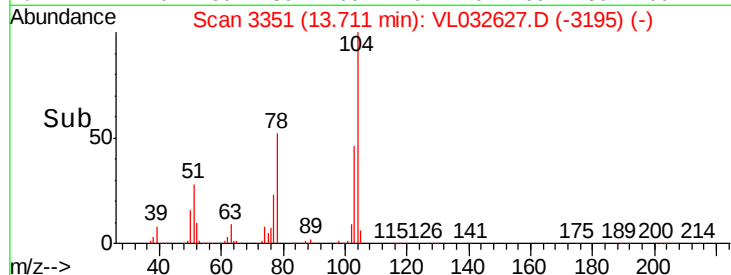
103 46.8 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.841 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032627.D

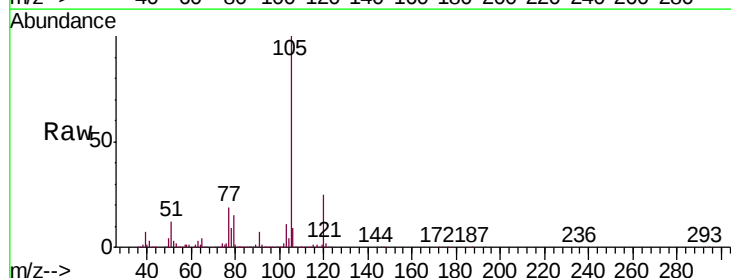
Acq: 17 Oct 2018 2:45

Tgt Ion:105 Resp: 4626099

Ion Ratio Lower Upper

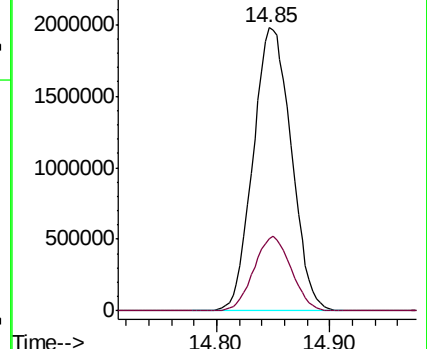
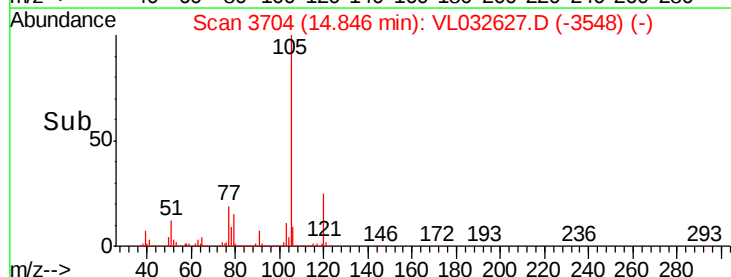
105 100

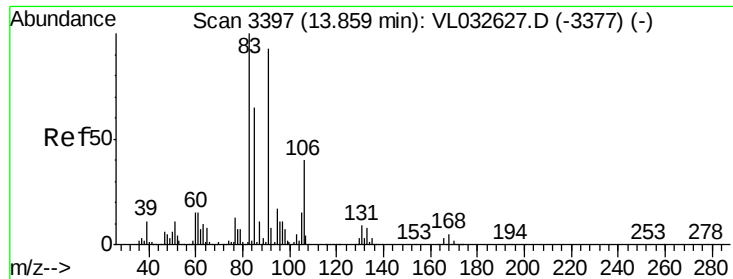
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

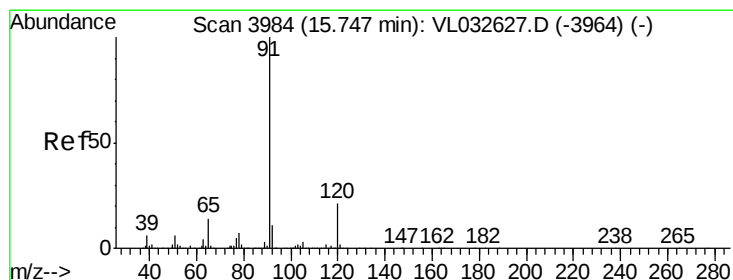
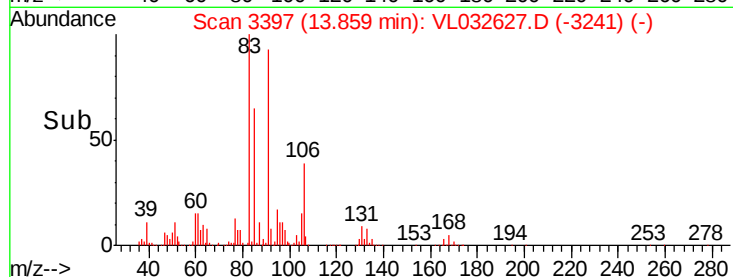
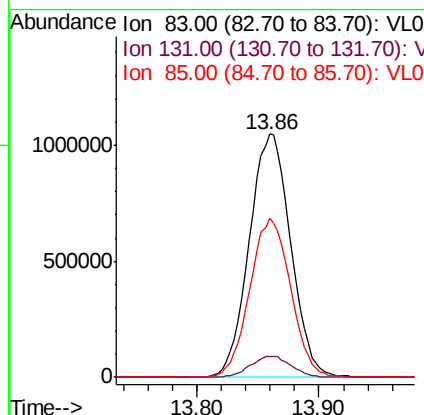
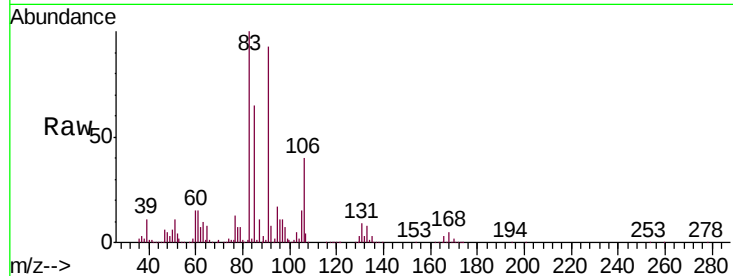




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.691 ppbv
 RT: 13.86 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

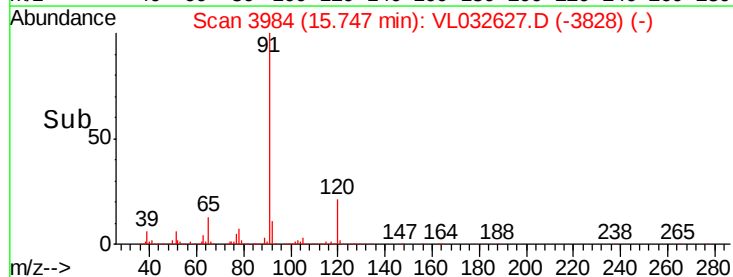
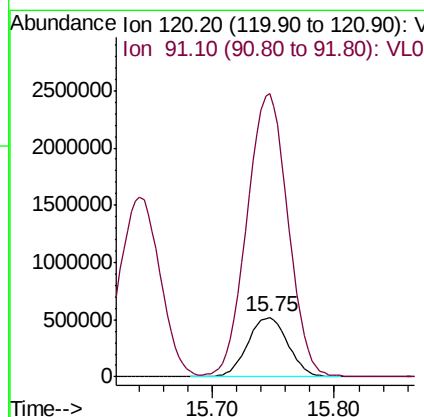
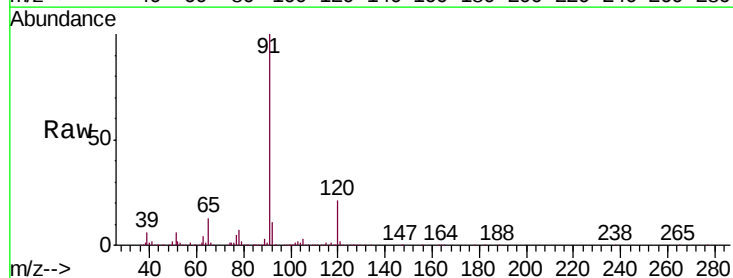
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

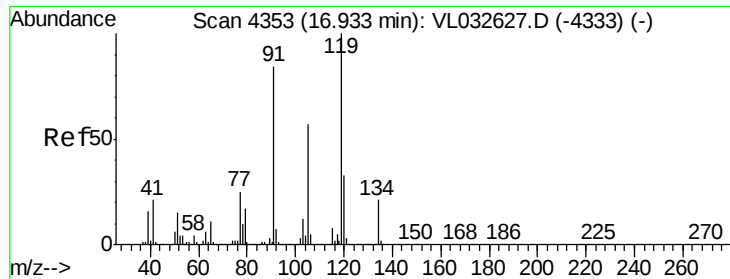
Tgt Ion: 83 Resp: 2459288
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.9
 85 64.6 32.3 96.9



#64
 n-propylbenzene
 Concen: 8.966 ppbv
 RT: 15.75 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 120 Resp: 1183088
 Ion Ratio Lower Upper
 120 100
 91 488.2 390.2 585.2

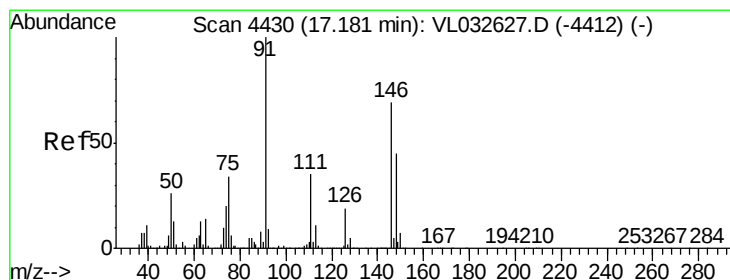
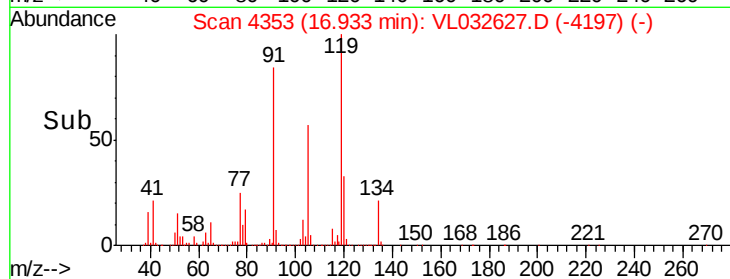
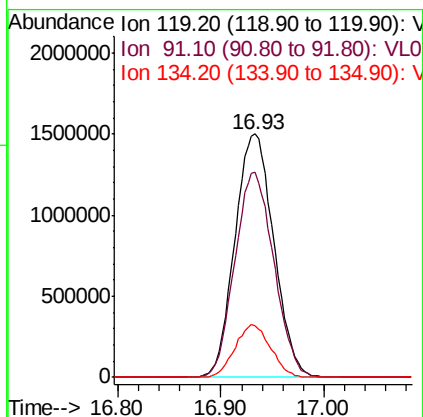
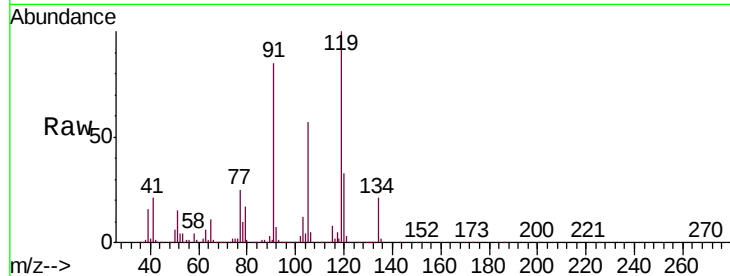




#65
 tert-Butylbenzene
 Concen: 8.862 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

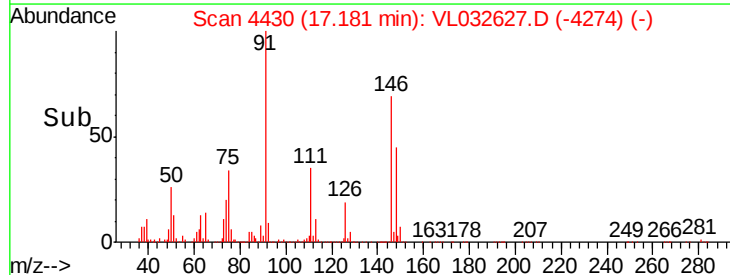
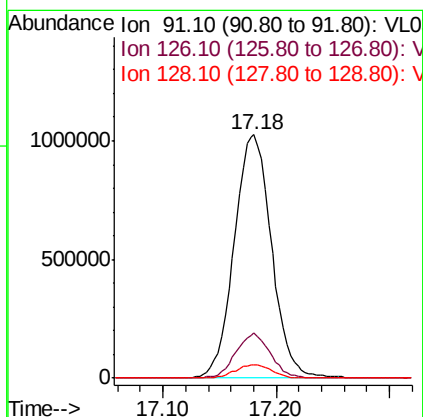
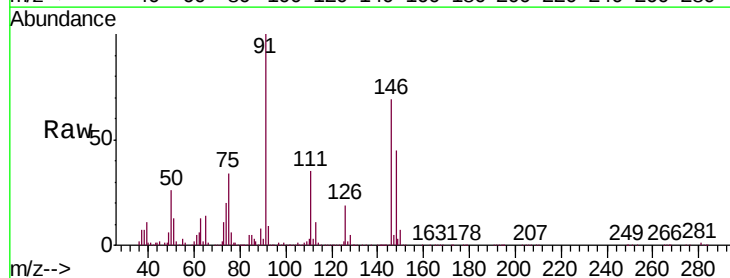
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

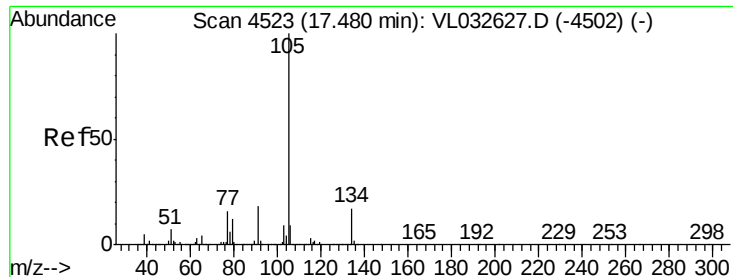
Tgt Ion: 119 Resp: 3926584
 Ion Ratio Lower Upper
 119 100
 91 84.8 67.8 101.8
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 9.583 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 91 Resp: 2341841
 Ion Ratio Lower Upper
 91 100
 126 17.4 13.9 20.9
 128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.743 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

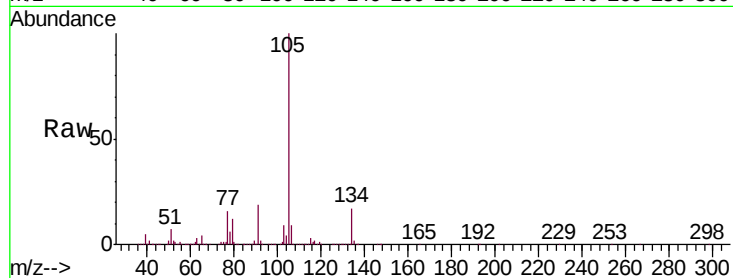
VSTDICCC010

Tgt Ion:105 Resp: 5782567

Ion Ratio Lower Upper

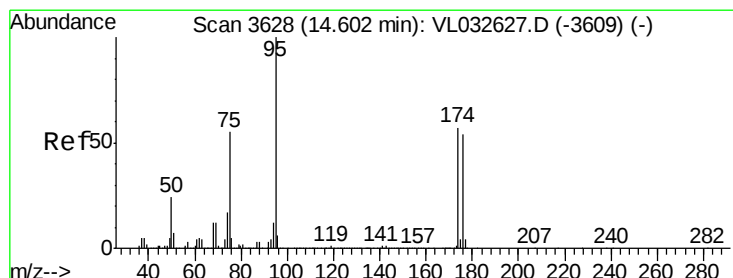
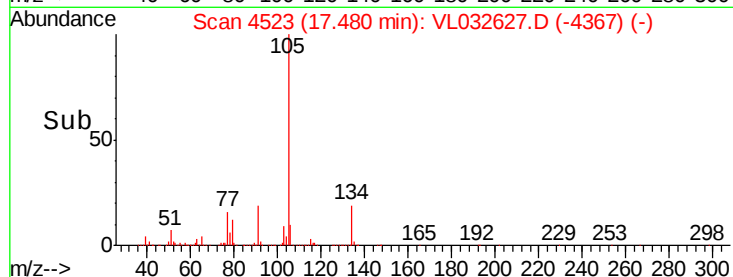
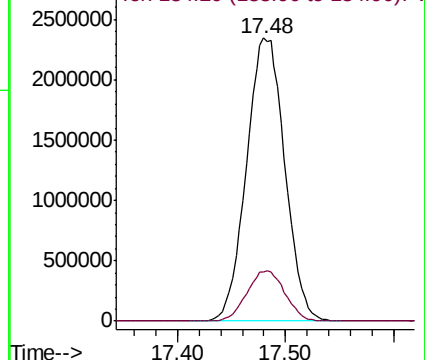
105 100

134 17.7 14.2 21.2



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: 8.253 ppbv

RT: 14.60 min Scan# 3628

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

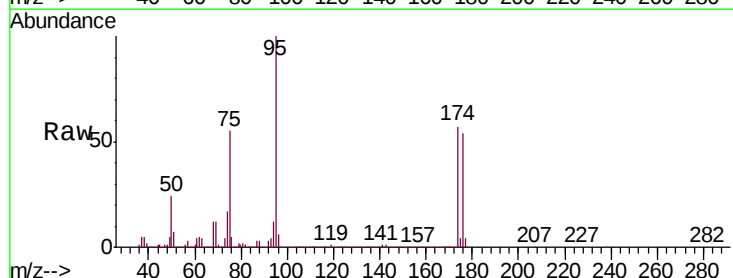
Tgt Ion: 95 Resp: 2329143

Ion Ratio Lower Upper

95 100

174 57.9 46.0 69.0

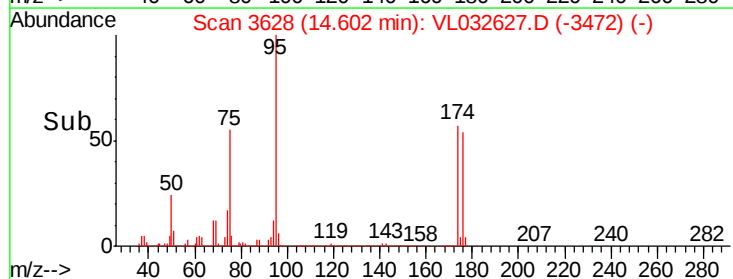
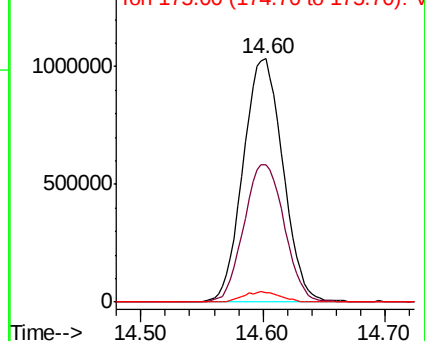
175 4.2 3.4 5.0

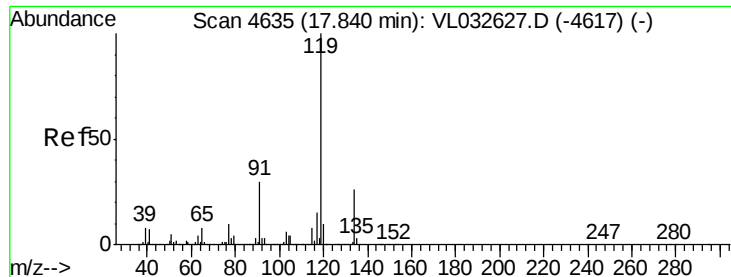


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

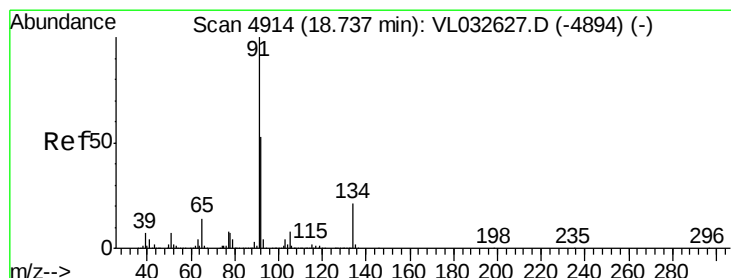
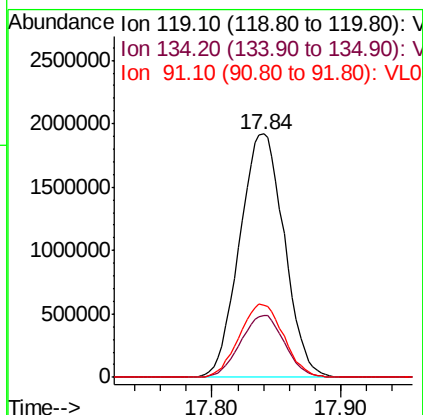
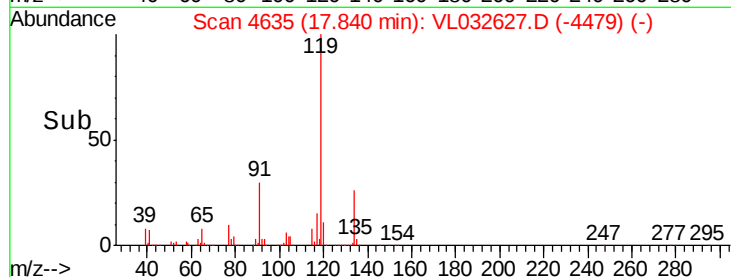
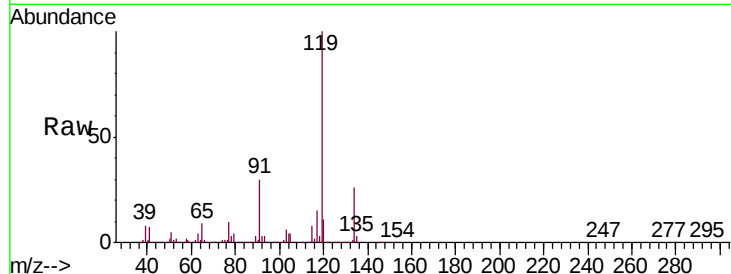




#69
 p-Isopropyltoluene
 Concen: 9.084 ppbv
 RT: 17.84 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

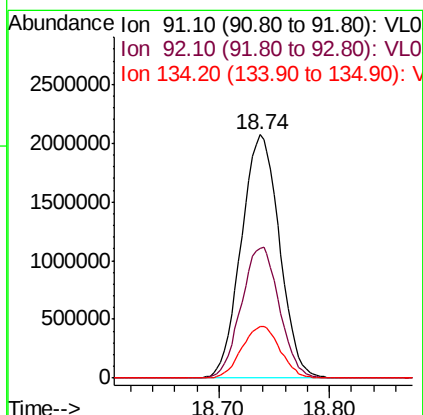
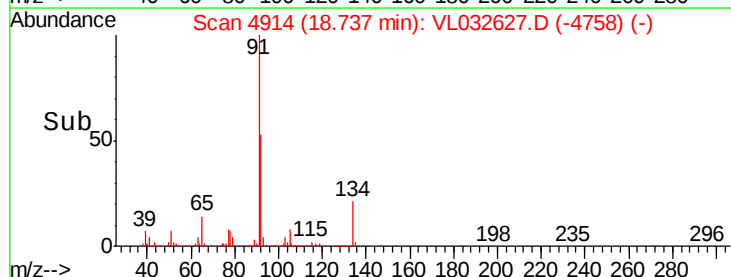
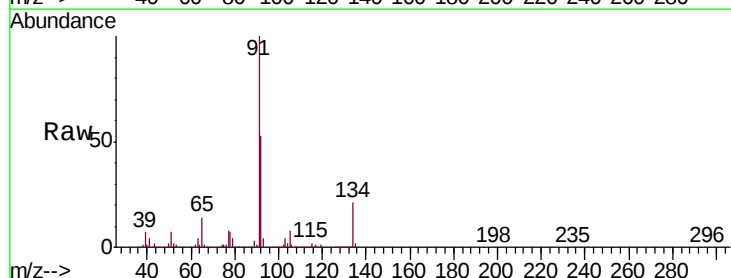
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

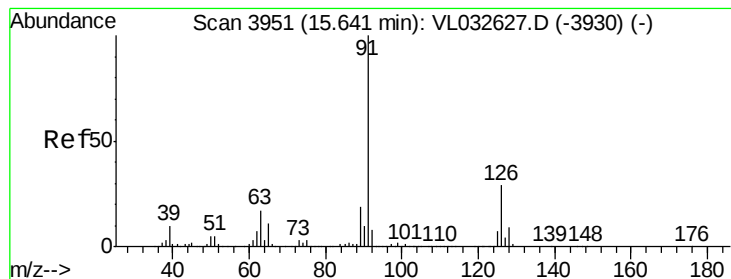
Tgt Ion: 119 Resp: 4606799
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 30.0 24.0 36.0



#70
 n-Butylbenzene
 Concen: 8.983 ppbv
 RT: 18.74 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion: 91 Resp: 4965711
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.0 64.4
 134 21.3 17.0 25.6





#71

2-Chlorotoluene

Concen: 9.357 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

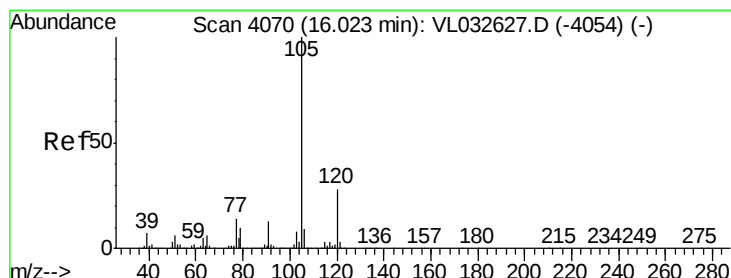
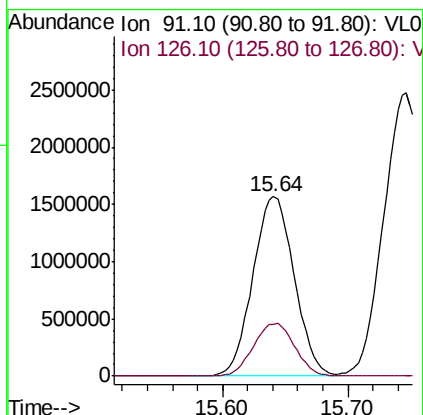
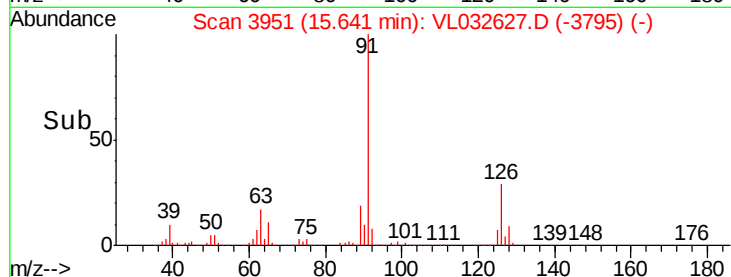
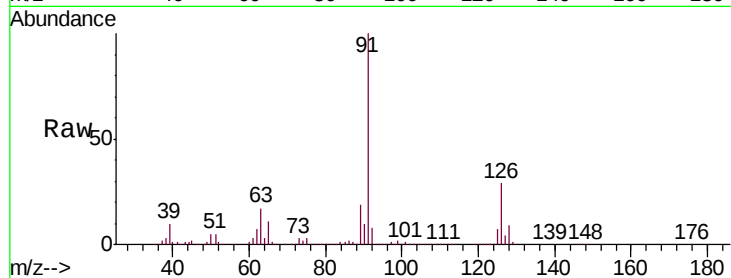
VSTDICCC010

Tgt Ion: 91 Resp: 3600051

Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.4



#72

4-Ethyltoluene

Concen: 9.547 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Tgt Ion:105 Resp: 3786292

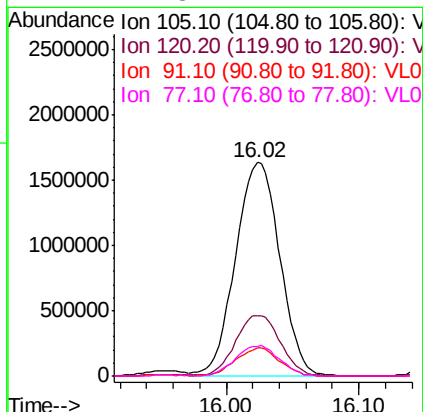
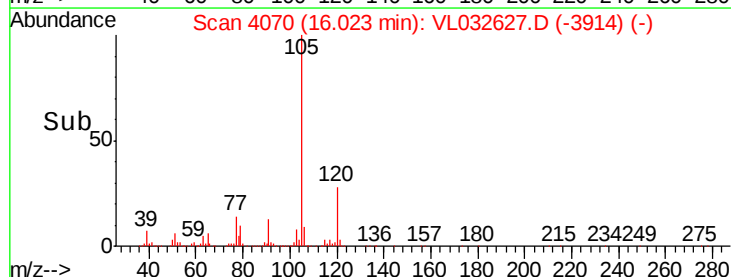
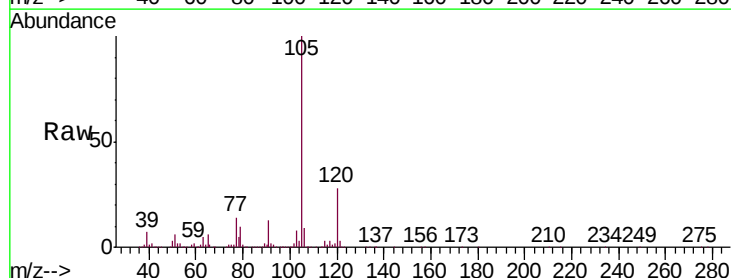
Ion Ratio Lower Upper

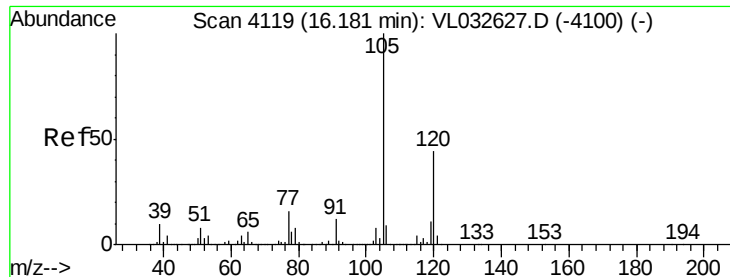
105 100

120 28.9 23.7 35.5

91 12.9 10.4 15.6

77 14.3 11.4 17.2

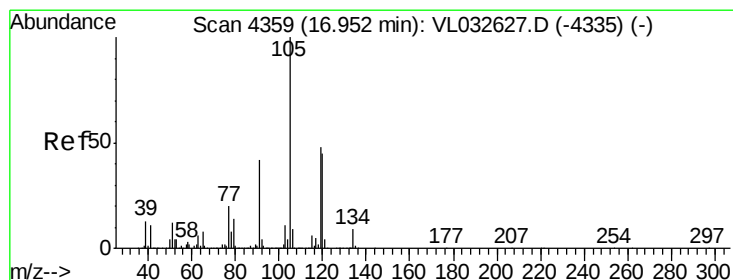
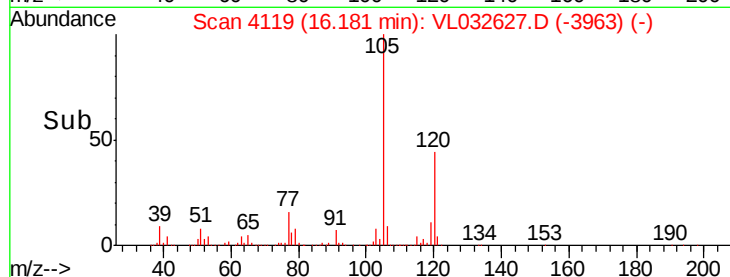
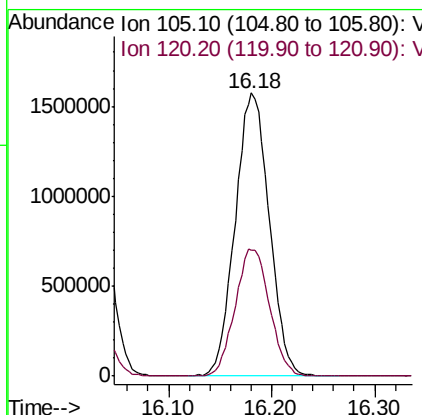
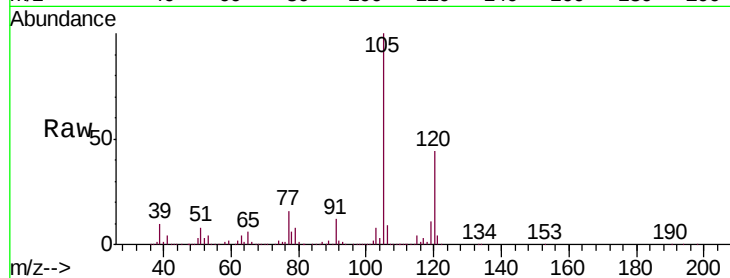




#73
 1,3,5-Trimethylbenzene
 Concen: 9.155 ppbv
 RT: 16.18 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

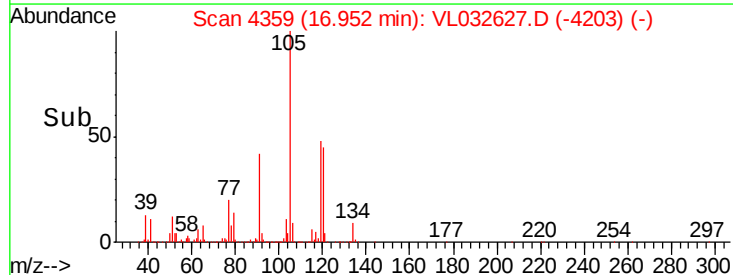
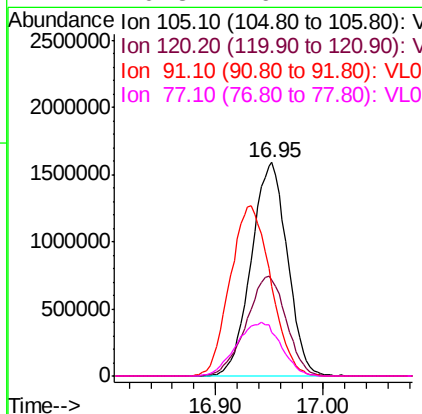
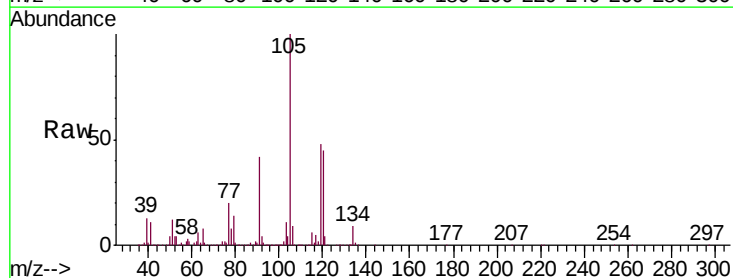
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

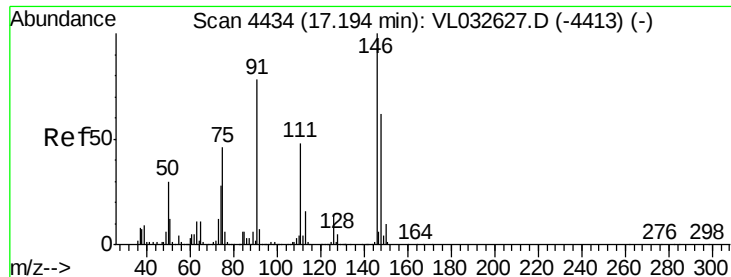
Tgt Ion:105 Resp: 3611348
 Ion Ratio Lower Upper
 105 100
 120 44.3 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.451 ppbv
 RT: 16.95 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion:105 Resp: 3678055
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.8 53.8
 91 41.5 33.2 49.8
 77 20.3 16.2 24.4





#75

1,3-Dichlorobenzene

Concen: 7.927 ppbv

RT: 17.19 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

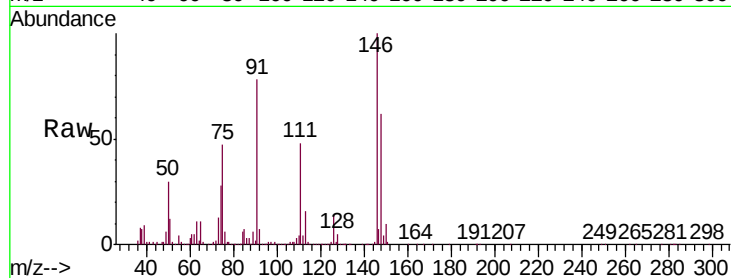
Tgt Ion:146 Resp: 2005014

Ion Ratio Lower Upper

146 100

111 48.8 24.4 73.2

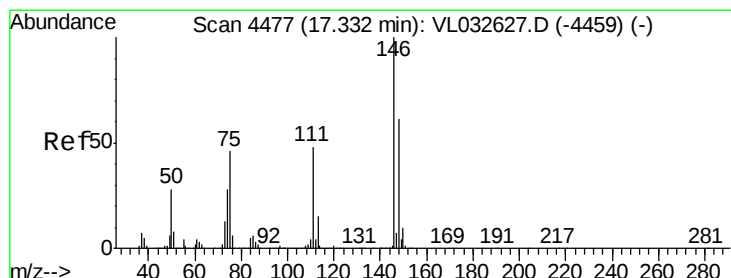
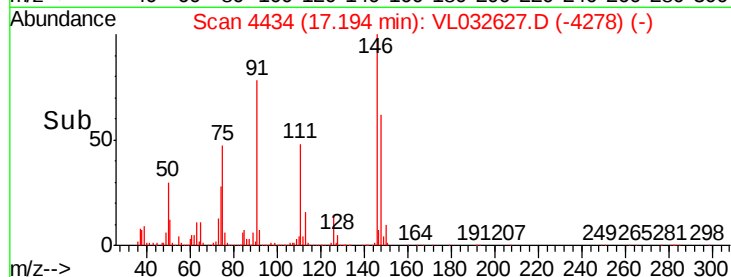
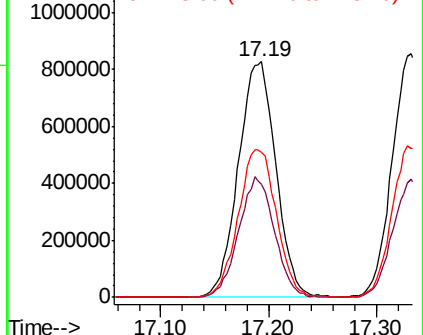
148 63.9 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.671 ppbv

RT: 17.33 min Scan# 4477

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

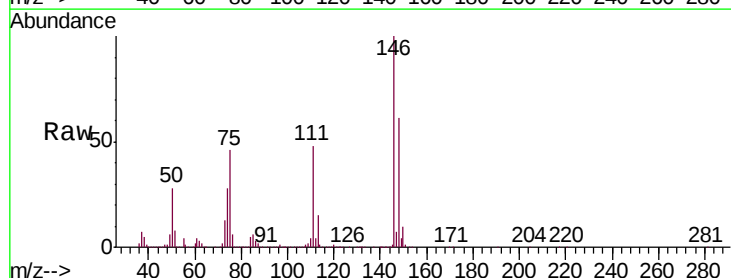
Tgt Ion:146 Resp: 1978337

Ion Ratio Lower Upper

146 100

111 46.9 23.7 71.1

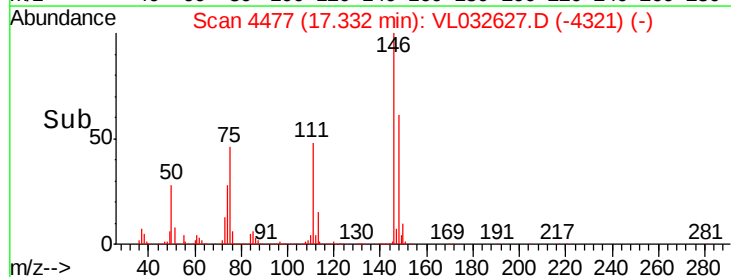
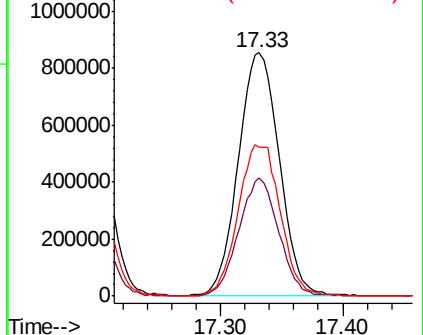
148 64.5 32.1 96.3

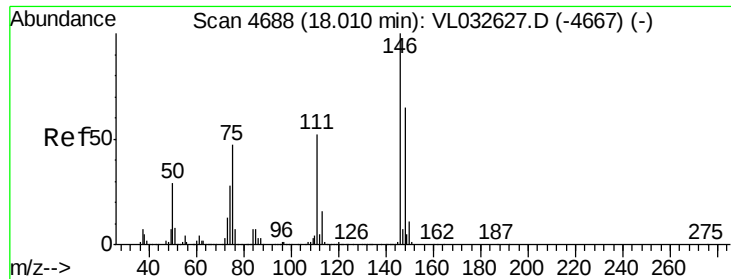


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

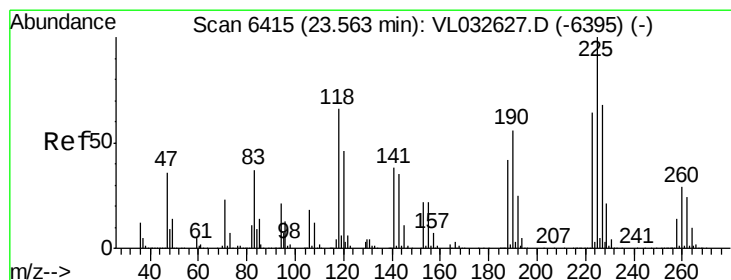
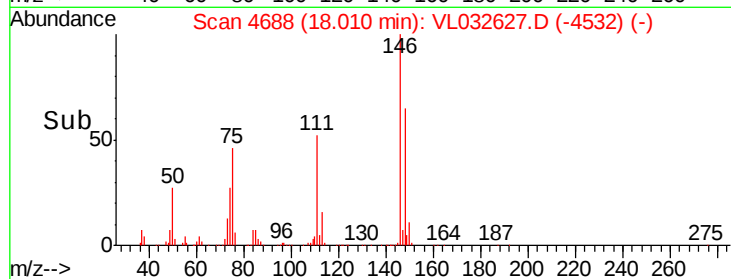
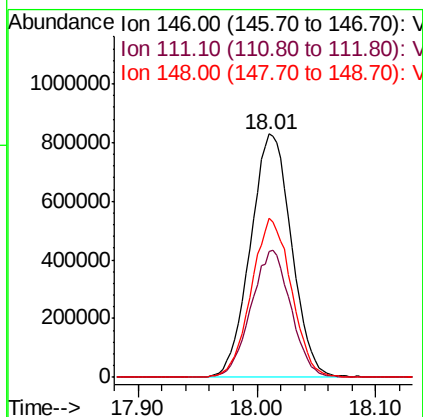
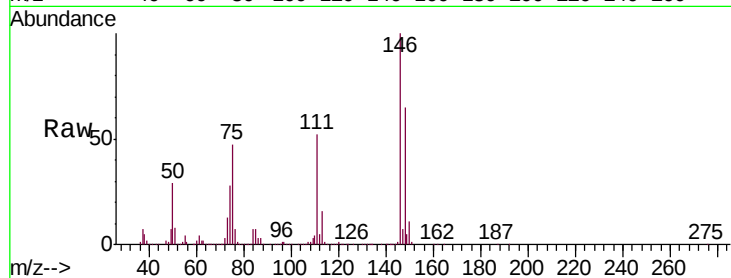




#77
 1,2-Dichlorobenzene
 Concen: 8.333 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

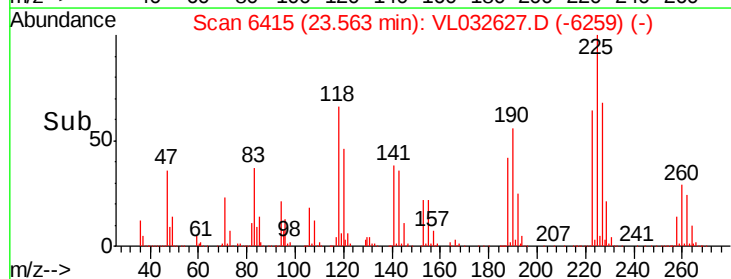
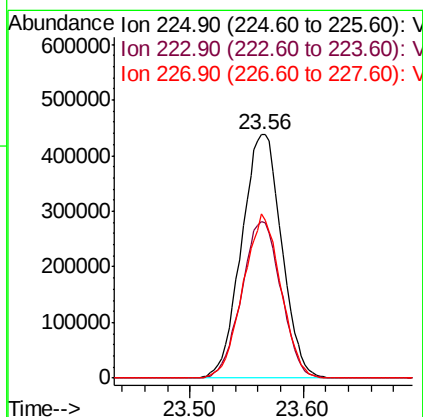
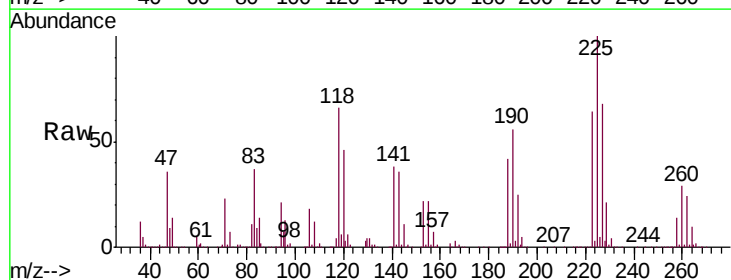
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

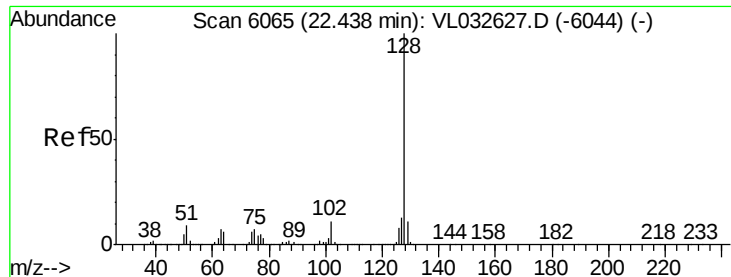
Tgt Ion:146 Resp: 1979267
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.3 75.8
 148 63.9 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.370 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Tgt Ion:225 Resp: 1079218
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.7 76.1
 227 63.4 50.7 76.1





#79

Naphthalene

Concen: 10.324 ppbv

RT: 22.44 min Scan# 6065

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

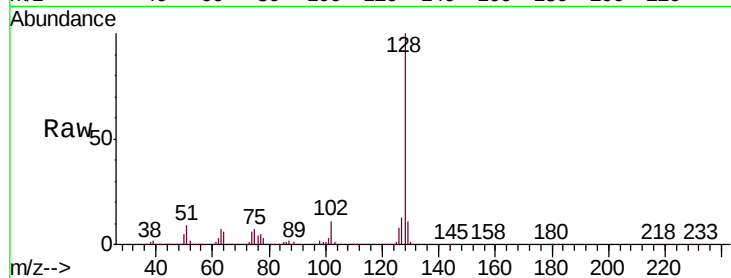
Tgt Ion:128 Resp: 3027940

Ion Ratio Lower Upper

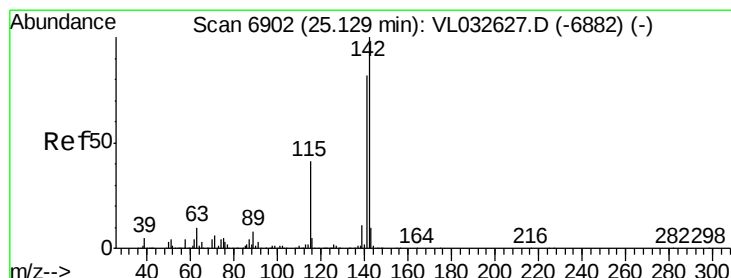
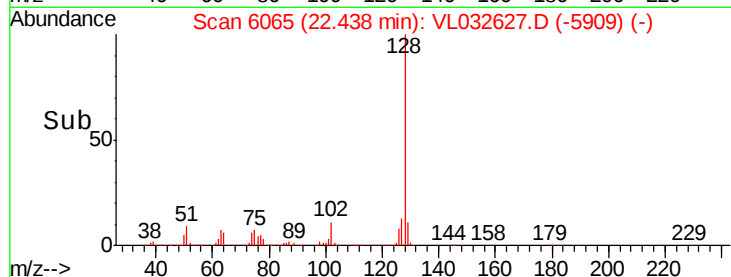
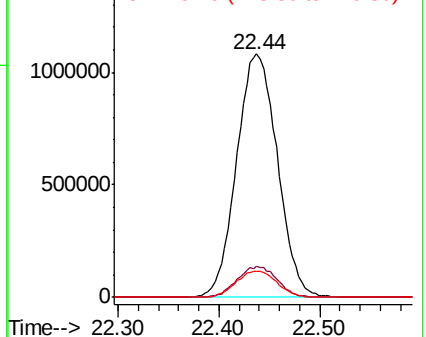
128 100

127 12.9 10.3 15.5

129 10.8 8.6 13.0



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: 14.522 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL032627.D

Acq: 17 Oct 2018 2:45

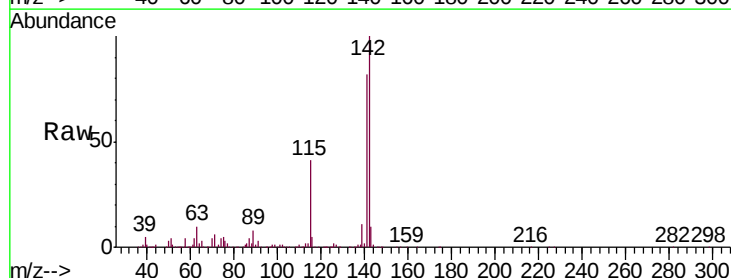
Tgt Ion:142 Resp: 829059

Ion Ratio Lower Upper

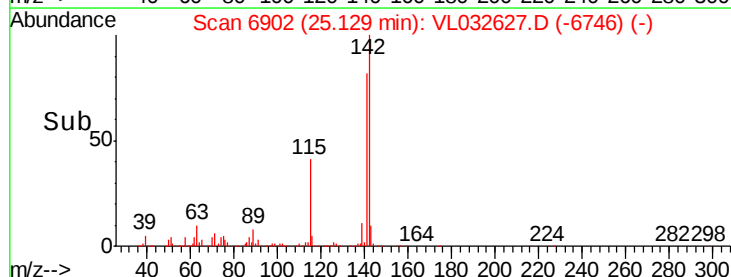
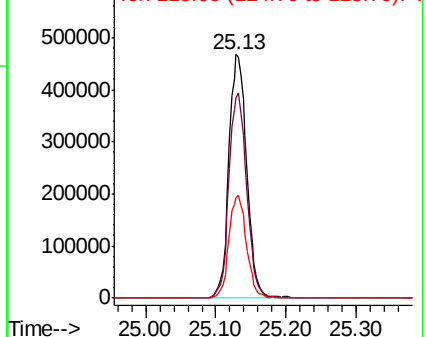
142 100

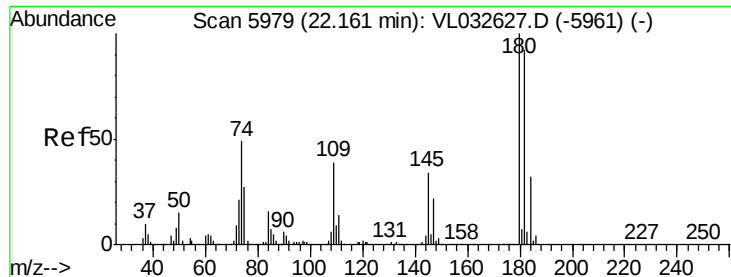
141 84.4 67.5 101.3

115 41.7 33.5 50.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.716 ppbv
 RT: 22.16 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL032627.D
 Acq: 17 Oct 2018 2:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1410302
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.9 24.7 37.1

