

Data File : VL032699.D
Acq On : 30 Oct 2018 13:27
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Oct 31 05:07:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1482750	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3759030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	4687648	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2825941	8.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1888268	12.499	ppbv	99
3) Chlorodifluoromethane	3.02	51	1122750	9.682	ppbv	99
4) Chloromethane	3.18	50	635722	9.810	ppbv	99
5) Vinyl Chloride	3.30	62	644837	9.187	ppbv	99
6) Bromomethane	3.53	94	402100	9.188	ppbv	94
7) Chloroethane	3.61	64	243708	9.429	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1504765	9.450	ppbv	91
9) Propene	3.05	41	503424	10.549	ppbv	100
10) Heptane	8.26	43	1943308	10.567	ppbv	99
11) Trichlorofluoromethane	4.02	101	1682755	8.528	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1619771	9.870	ppbv	92
13) Ethanol	3.66	45	121542	8.911	ppbv	95
14) Bromoethene	3.80	108	525196	9.470	ppbv	99
15) Acetone	3.91	43	1114455	8.139	ppbv	100
16) 1,3-Butadiene	3.37	39	511868	10.162	ppbv	84
17) tert-Butyl alcohol	4.37	59	462766	11.492	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	760794	10.553	ppbv	95
19) Isopropyl Alcohol	4.04	45	803472	8.240	ppbv #	98
20) Methylene Chloride	4.42	84	661357	9.516	ppbv	96
21) Allyl Chloride	4.49	41	1264169	11.245	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	724483	9.797	ppbv	95
23) Vinyl Acetate	5.17	43	2638293	10.874	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1932660	10.147	ppbv	98
25) Ethyl Acetate	5.79	43	3154635	10.010	ppbv	99
26) Hexane	5.80	57	1466456	9.834	ppbv	99
27) Carbon Disulfide	4.63	76	1756322	9.709	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	2413749	11.263	ppbv	100
29) Chloroform	5.87	83	2379883	9.991	ppbv	99
30) Cyclohexane	7.26	84	1329264	11.262	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1451878	10.501	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	2377786	9.823	ppbv	98
34) 2-Butanone	5.35	43	2083088	10.337	ppbv	100
35) Carbon Tetrachloride	7.15	117	2549447	9.556	ppbv	99
36) Benzene	7.02	78	3117015	10.211	ppbv	100
37) 1,2-Dichloroethane	6.43	62	1798605	9.607	ppbv	97
38) Trichloroethene	7.98	130	1201343	10.631	ppbv	97
39) 1,2-Dichloropropane	7.76	63	1206245	10.233	ppbv	97
40) 1,4-Dioxane	7.98	88	409897	10.182	ppbv #	97
41) Tetrahydrofuran	6.17	42	1251383	11.144	ppbv	100
42) Bromodichloromethane	7.94	83	2609824	9.949	ppbv	99
43) Methyl Methacrylate	8.16	69	1268541	11.339	ppbv	97

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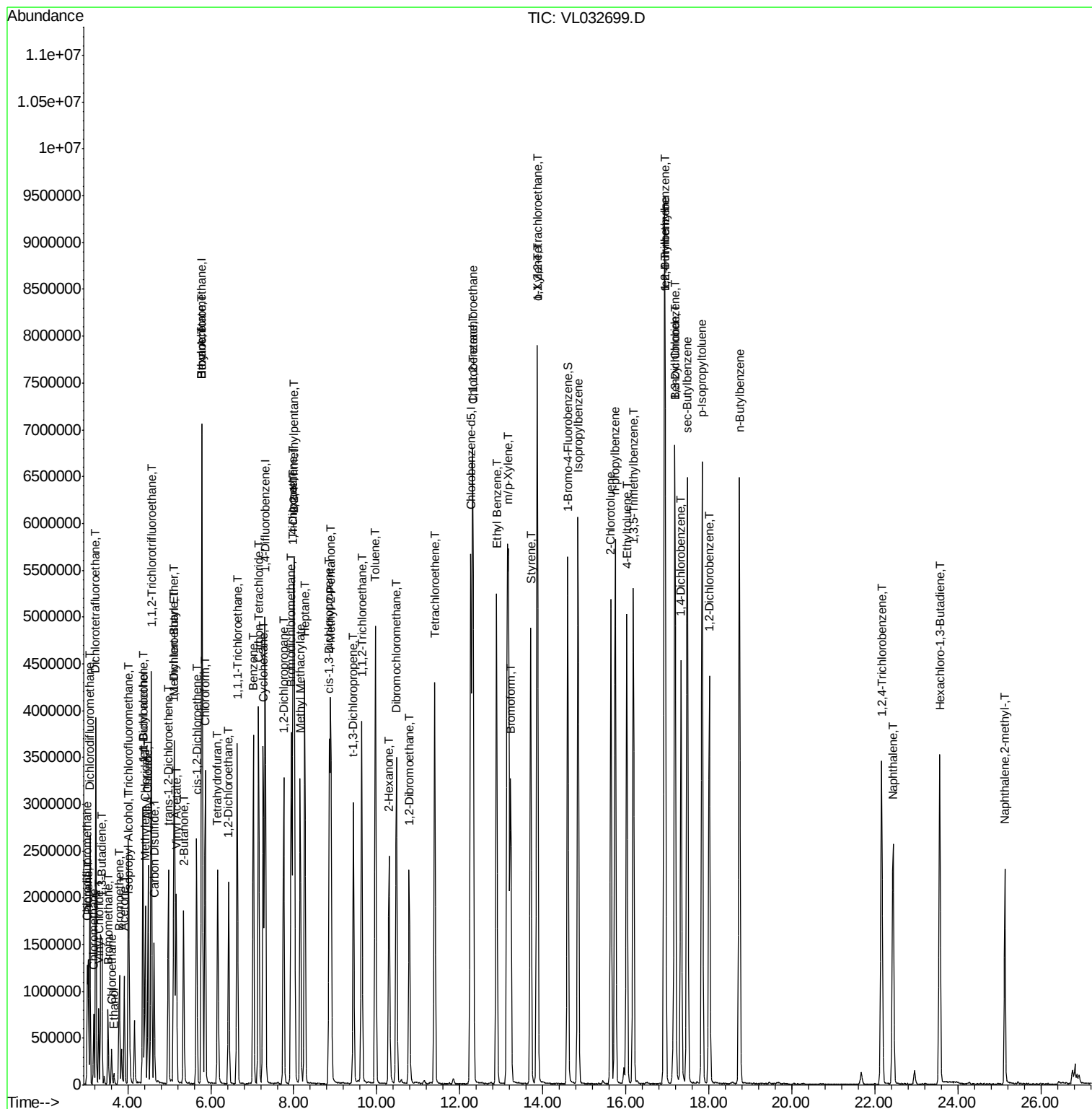
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5301475	10.174	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1814427	12.116	ppbv	99
46) cis-1,3-Dichloropropene	8.86	75	2040763	11.928	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1421831	10.208	ppbv	96
48) Dibromochloromethane	10.47	129	2243692	9.664	ppbv	100
49) Bromoform	13.22	173	1957000	10.727	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3366970	11.278	ppbv	99
51) 2-Hexanone	10.29	43	2343761	10.561	ppbv	98
52) Tetrachloroethene	11.40	164	1077696	10.126	ppbv	97
53) Toluene	9.97	91	3990026	11.403	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1941496	10.256	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.30	131	1615692	7.882	ppbv	98
57) Chlorobenzene	12.32	112	2741841	7.953	ppbv	96
58) Ethyl Benzene	12.88	91	4874304	8.951	ppbv	99
59) m/p-Xylene	13.17	91	3931313	8.107	ppbv #	24
60) o-Xylene	13.87	91	3890534	8.317	ppbv	99
61) Styrene	13.71	104	2997792	9.558	ppbv	98
62) Isopropylbenzene	14.85	105	5501074	8.309	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2727464	7.442	ppbv	100
64) n-propylbenzene	15.74	120	1421054	8.637	ppbv	93
65) tert-Butylbenzene	16.93	119	4747149	8.419	ppbv	96
66) Benzyl Chloride	17.18	91	2835744	9.741	ppbv	98
67) sec-Butylbenzene	17.48	105	6703211	8.359	ppbv	99
69) p-Isopropyltoluene	17.84	119	5516942	8.682	ppbv	98
70) n-Butylbenzene	18.73	91	5603962	8.566	ppbv	99
71) 2-Chlorotoluene	15.64	91	4103326	8.721	ppbv	98
72) 4-Ethyltoluene	16.02	105	4476394	8.985	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4200680	8.656	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4275479	8.250	ppbv	96
75) 1,3-Dichlorobenzene	17.19	146	2381628	7.992	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2347800	8.537	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2304082	8.161	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	896082	6.717	ppbv	98
79) Naphthalene	22.43	128	3344776	10.384	ppbv	100
80) Naphthalene,2-methyl-	25.13	142	1186129	15.143	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1630003	9.771	ppbv	98

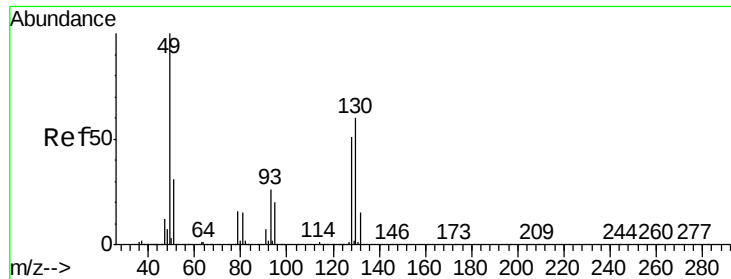
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

VSTDCCC010

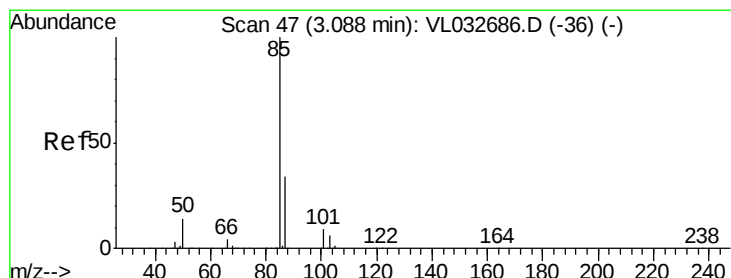
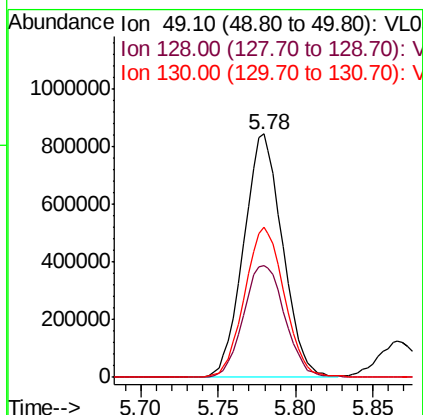
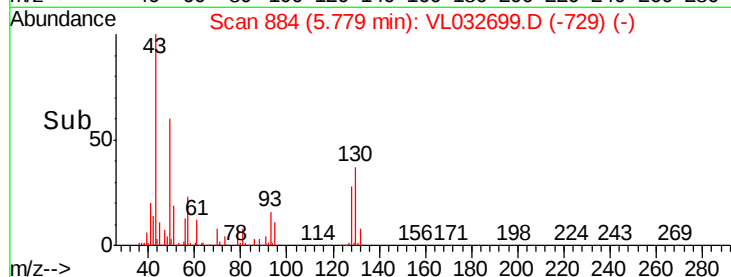
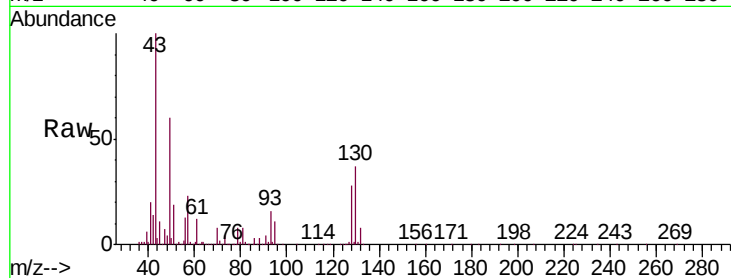
Tgt Ion: 49 Resp: 1482750

Ion Ratio Lower Upper

49 100

128 49.0 22.3 66.8

130 63.2 28.4 85.3



#2

Dichlorodifluoromethane

Concen: 12.499 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032699.D

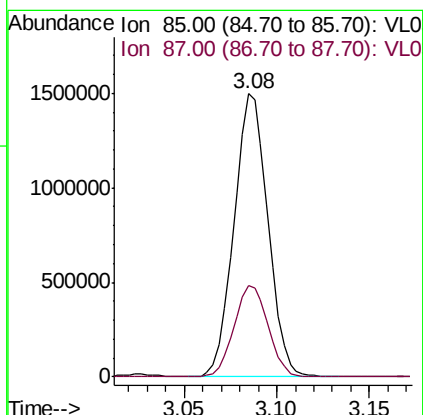
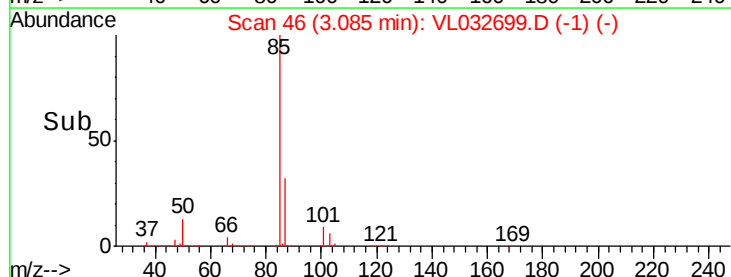
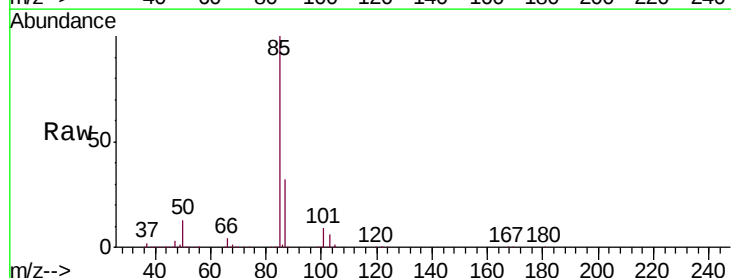
Acq: 30 Oct 2018 13:27

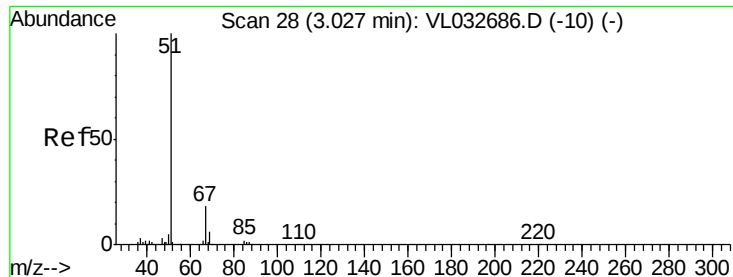
Tgt Ion: 85 Resp: 1888268

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2





#3

Chlorodifluoromethane

Concen: 9.682 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

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ClientSampleId :

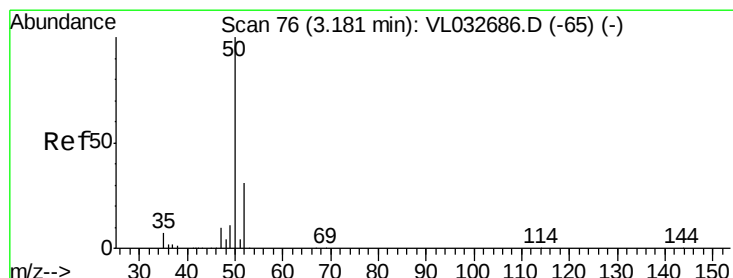
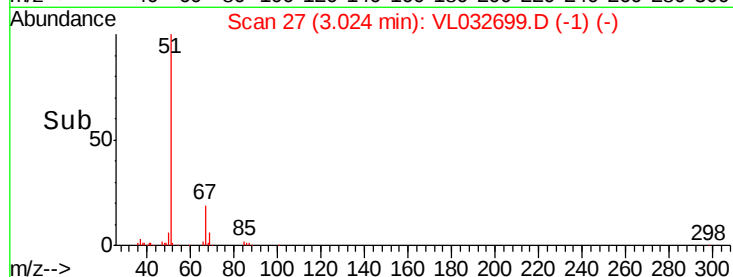
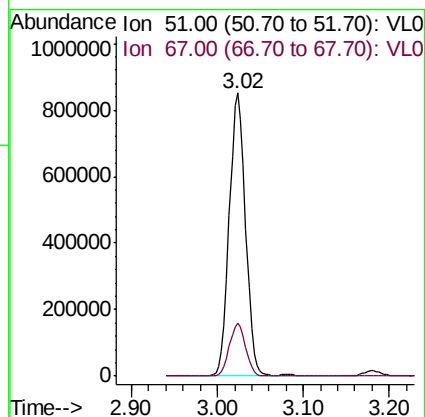
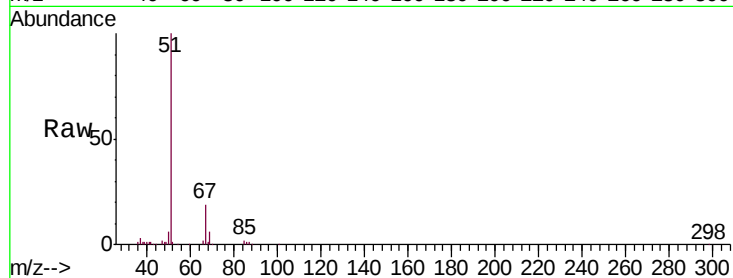
VSTDCCC010

Tgt Ion: 51 Resp: 1122750

Ion Ratio Lower Upper

51 100

67 18.6 15.2 22.8



#4

Chloromethane

Concen: 9.810 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032699.D

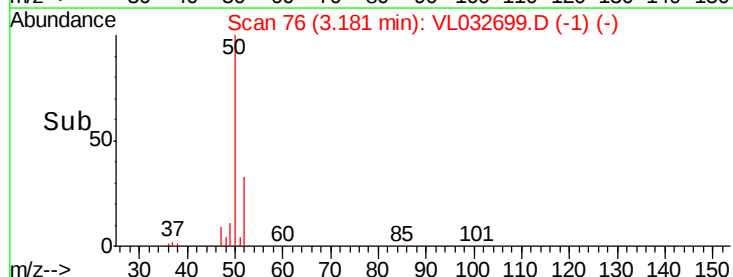
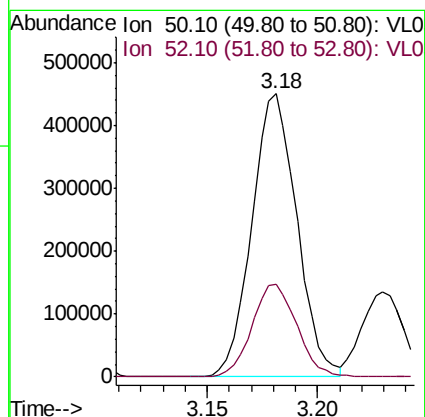
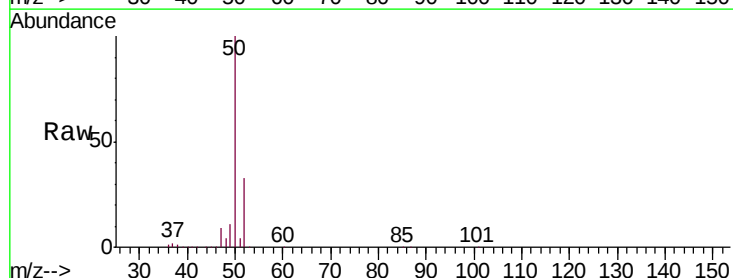
Acq: 30 Oct 2018 13:27

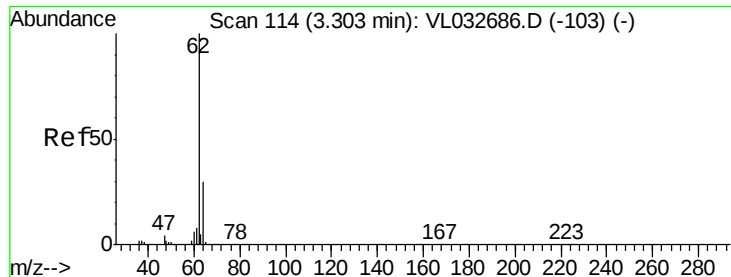
Tgt Ion: 50 Resp: 635722

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9





#5

Vinyl Chloride

Concen: 9.187 ppbv

RT: 3.30 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

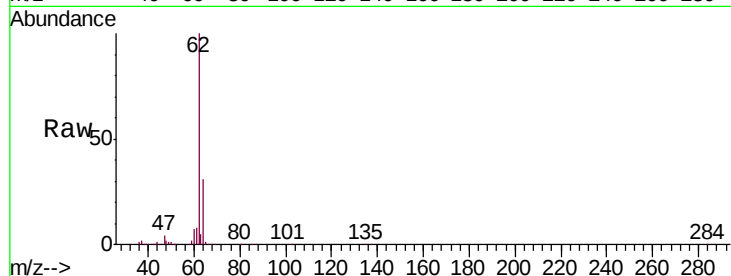
VSTDCCC010

Tgt Ion: 62 Resp: 644837

Ion Ratio Lower Upper

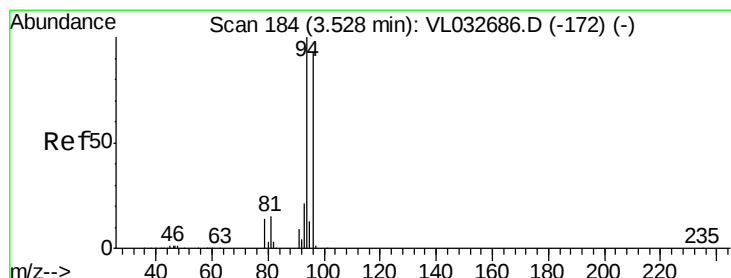
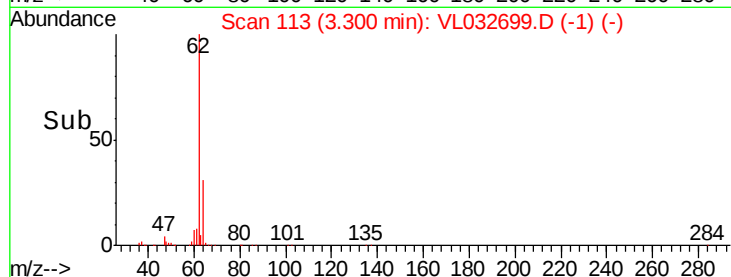
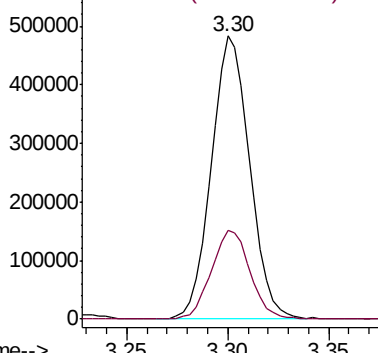
62 100

64 31.3 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: 9.188 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032699.D

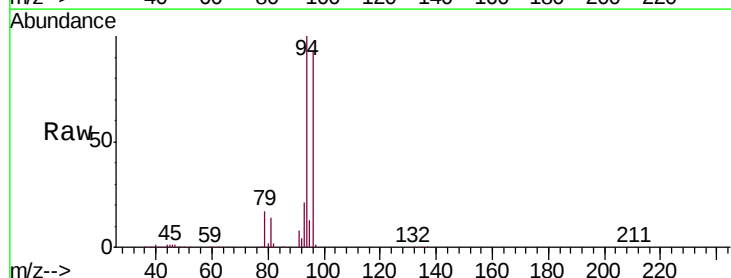
Acq: 30 Oct 2018 13:27

Tgt Ion: 94 Resp: 402100

Ion Ratio Lower Upper

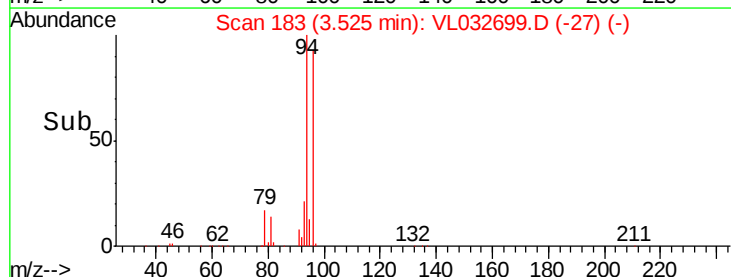
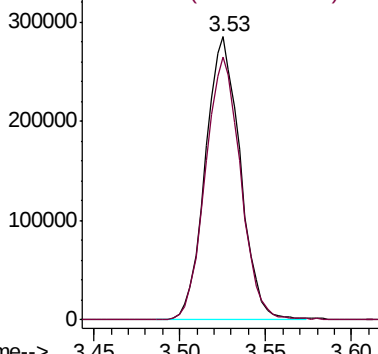
94 100

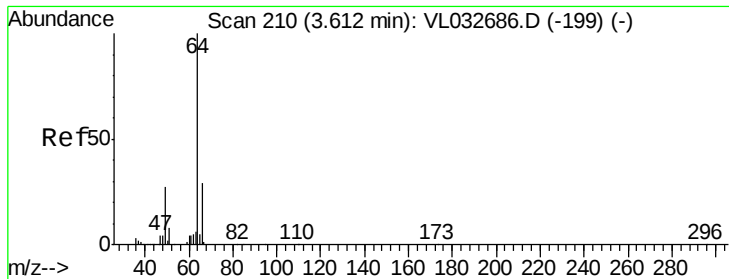
96 92.8 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.429 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

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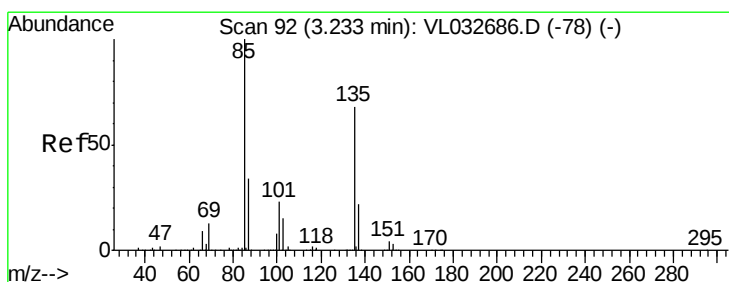
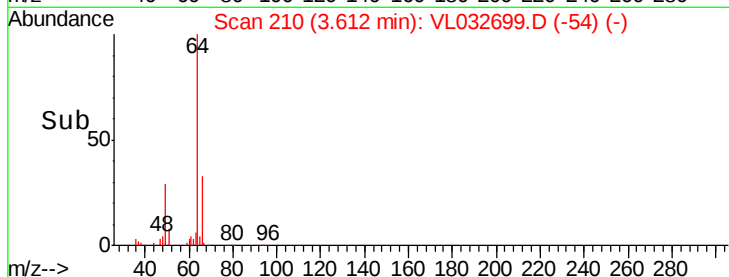
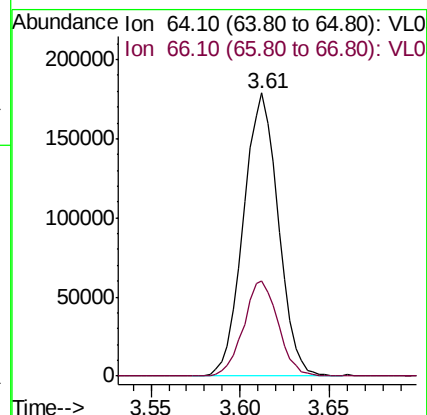
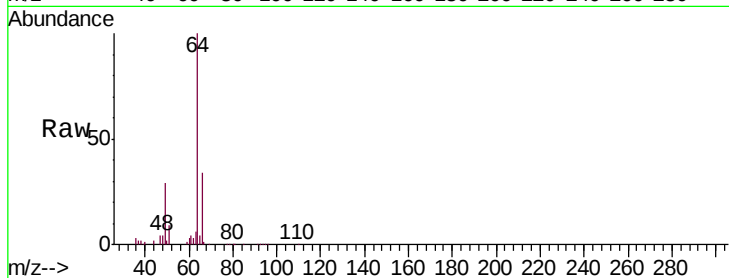
VSTDCCC010

Tgt Ion: 64 Resp: 243708

Ion Ratio Lower Upper

64 100

66 33.7 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 9.450 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032699.D

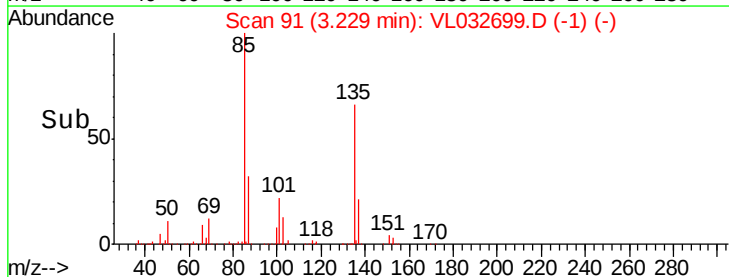
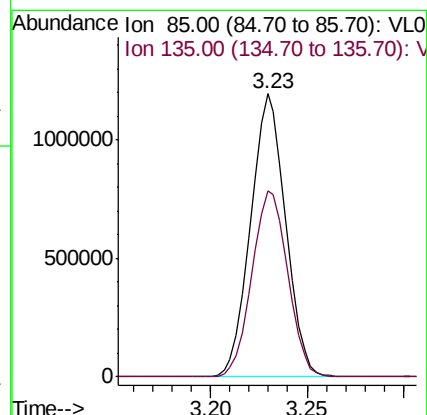
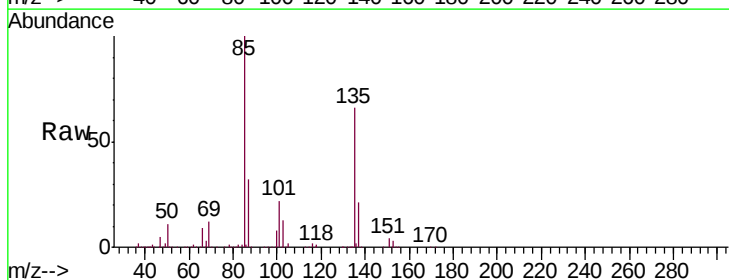
Acq: 30 Oct 2018 13:27

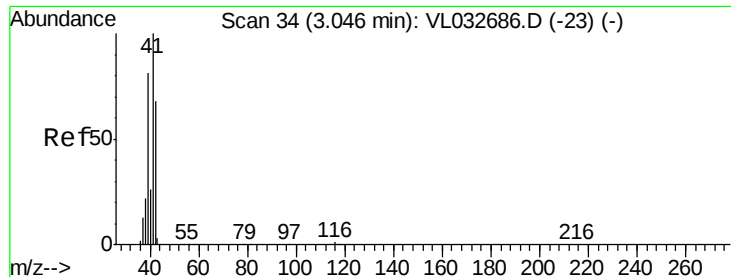
Tgt Ion: 85 Resp: 1504765

Ion Ratio Lower Upper

85 100

135 67.9 49.0 73.4





#9

Propene

Concen: 10.549 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

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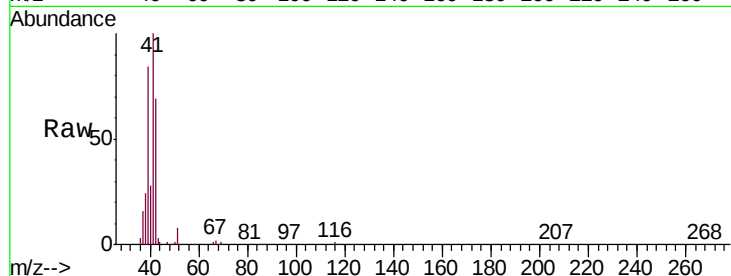
VSTDCCC010

Tgt Ion: 41 Resp: 503424

Ion Ratio Lower Upper

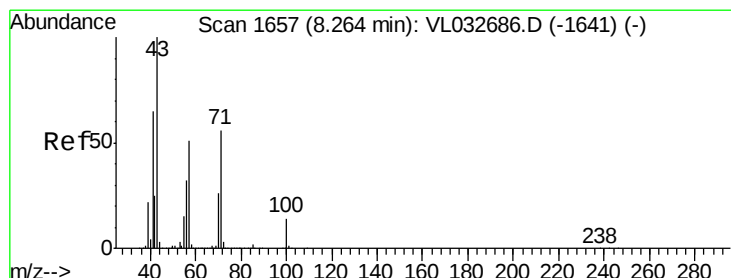
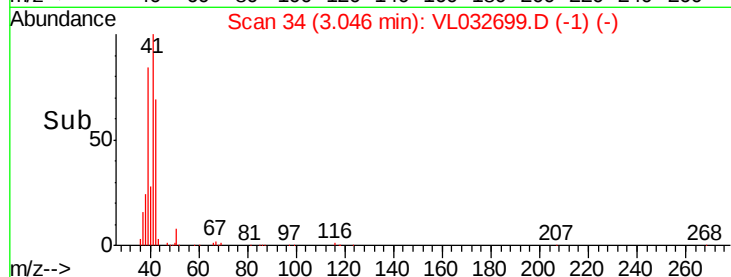
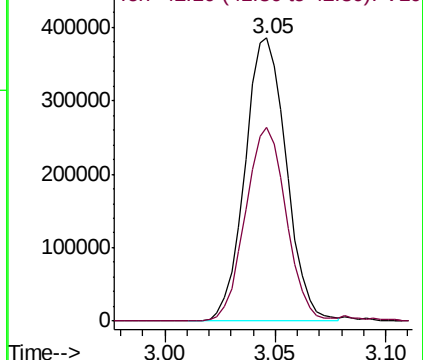
41 100

42 68.9 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.567 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VL032699.D

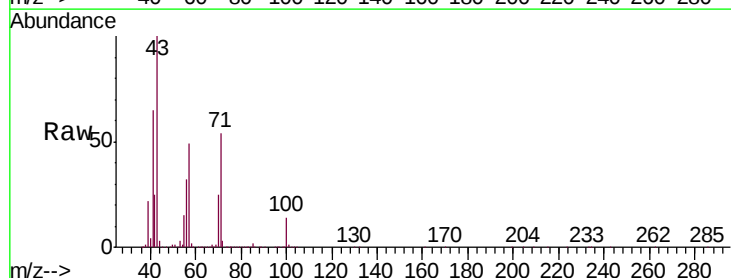
Acq: 30 Oct 2018 13:27

Tgt Ion: 43 Resp: 1943308

Ion Ratio Lower Upper

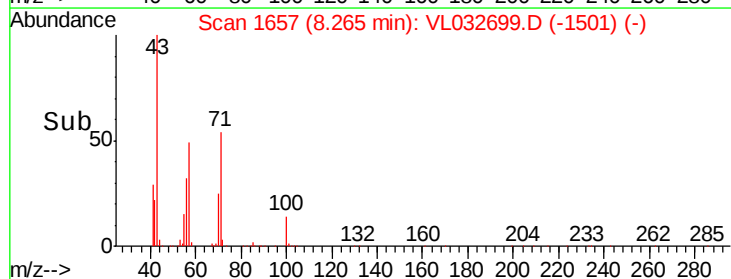
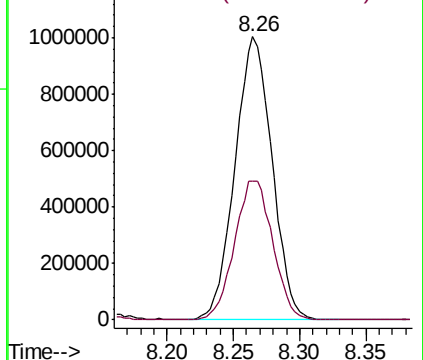
43 100

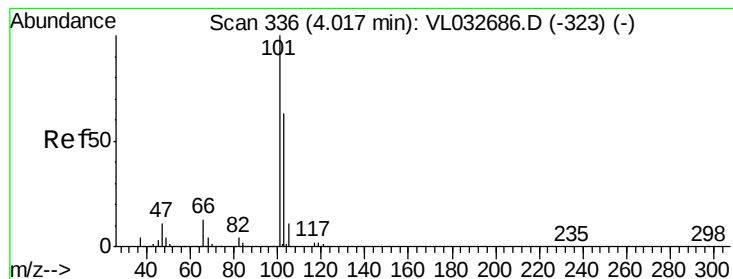
57 50.9 41.5 62.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.528 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

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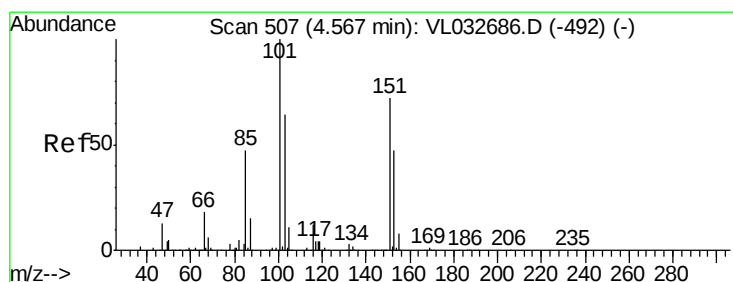
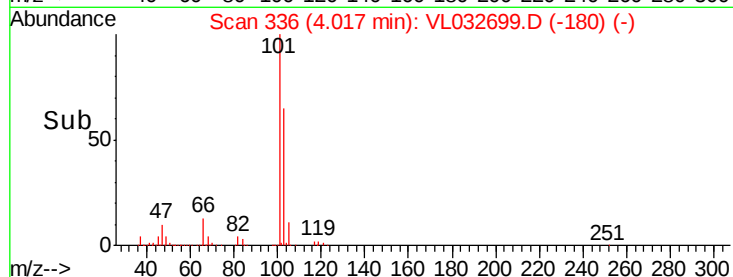
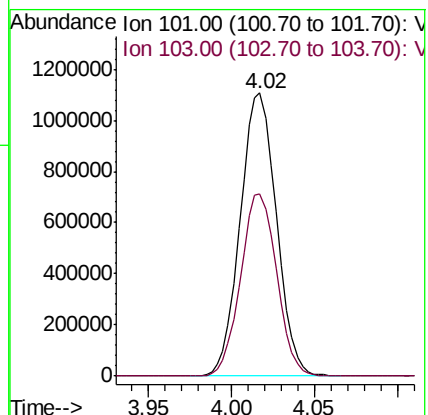
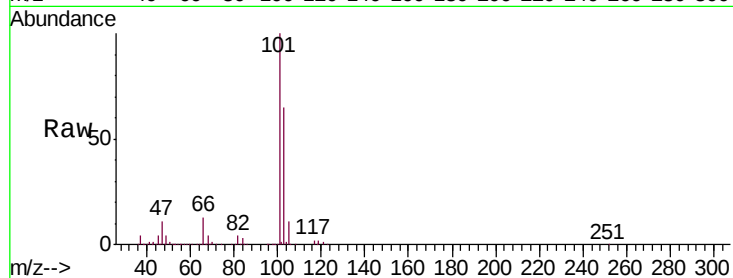
VSTDCCC010

Tgt Ion:101 Resp: 1682755

Ion Ratio Lower Upper

101 100

103 64.6 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.870 ppbv

RT: 4.57 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL032699.D

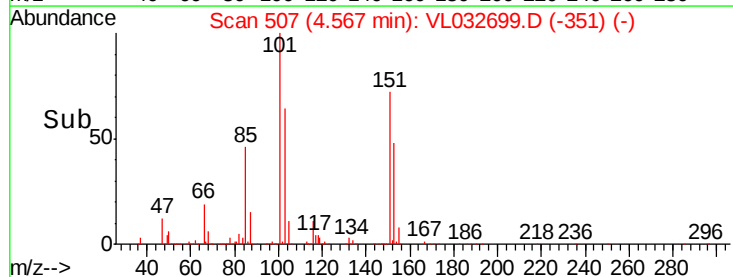
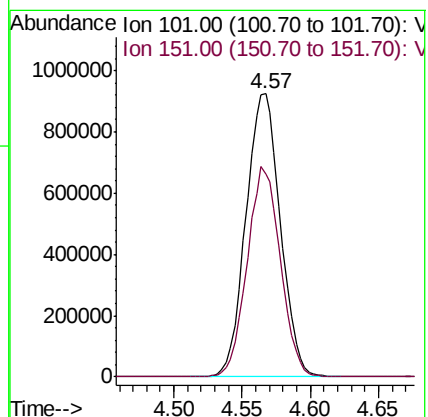
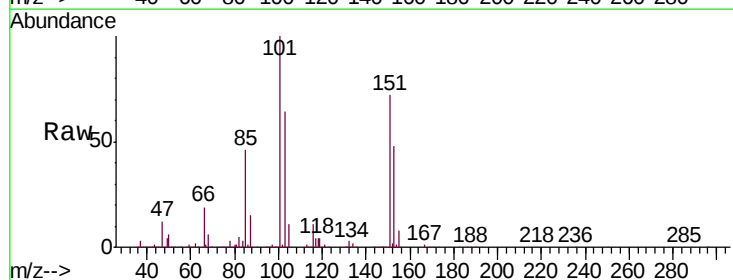
Acq: 30 Oct 2018 13:27

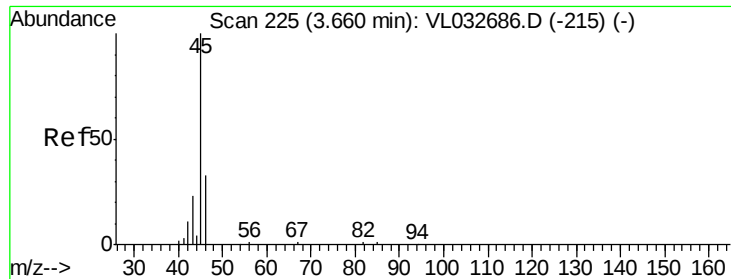
Tgt Ion:101 Resp: 1619771

Ion Ratio Lower Upper

101 100

151 72.0 52.3 78.5





#13

Ethanol

Concen: 8.911 ppbv

RT: 3.66 min Scan# 225

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

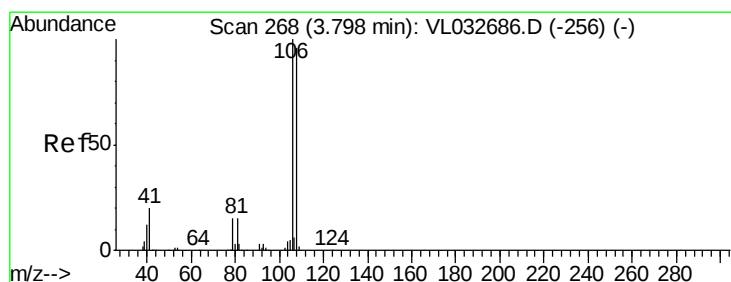
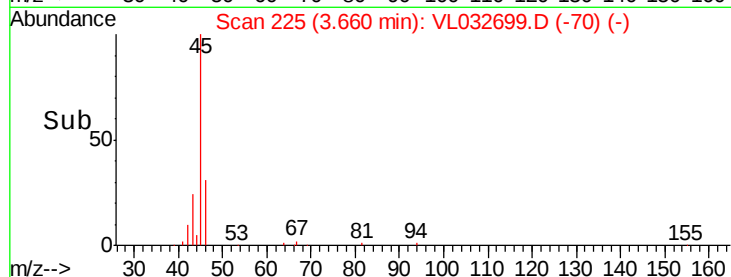
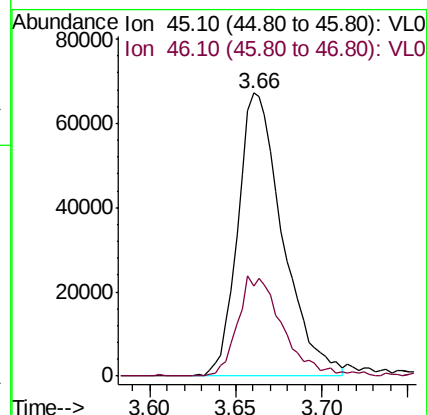
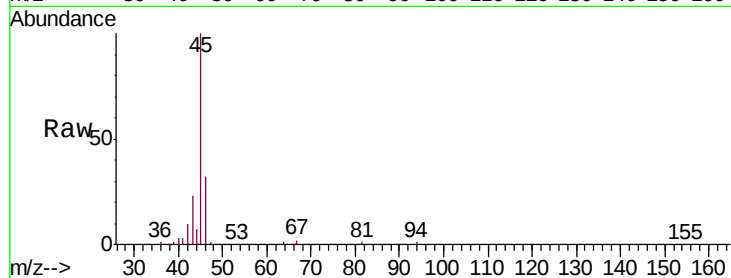
VSTDCCC010

Tgt Ion: 45 Resp: 121542

Ion Ratio Lower Upper

45 100

46 35.7 15.4 61.8



#14

Bromoethene

Concen: 9.470 ppbv

RT: 3.80 min Scan# 268

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

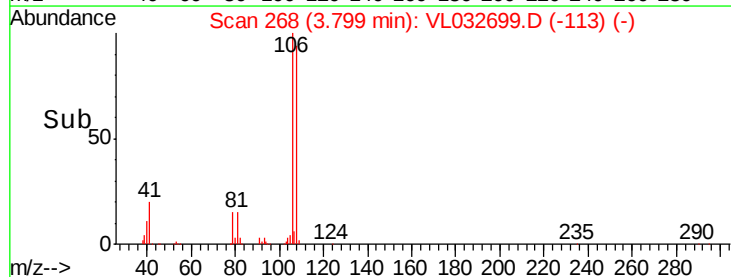
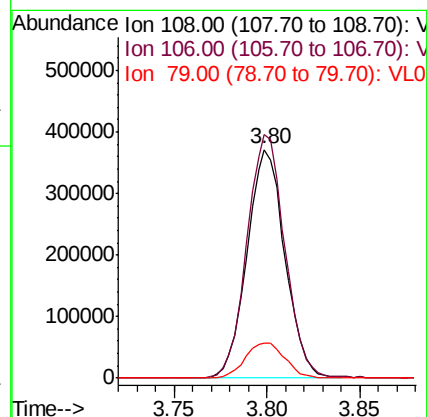
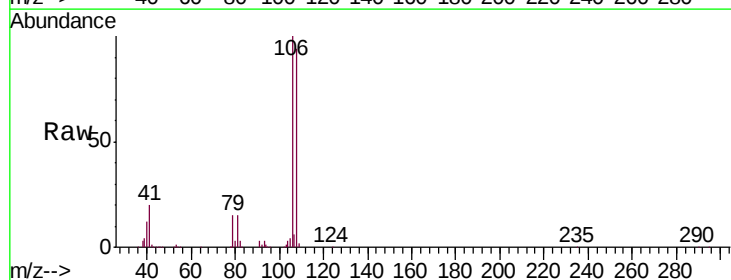
Tgt Ion: 108 Resp: 525196

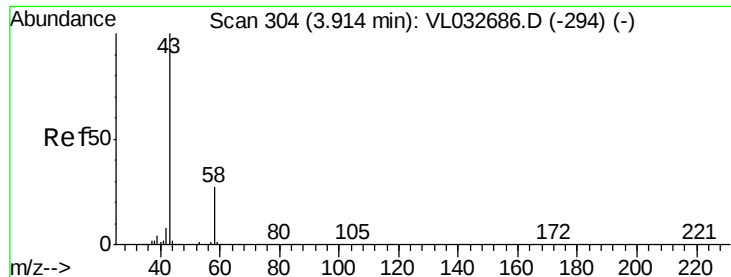
Ion Ratio Lower Upper

108 100

106 107.5 85.0 127.4

79 16.6 13.7 20.5





#15

Acetone

Concen: 8.139 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

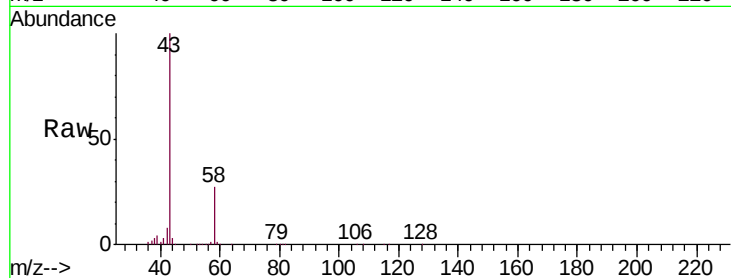
VSTDCCC010

Tgt Ion: 43 Resp: 1114455

Ion Ratio Lower Upper

43 100

58 27.6 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

800000

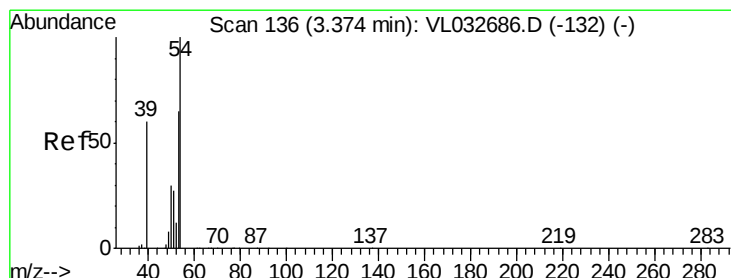
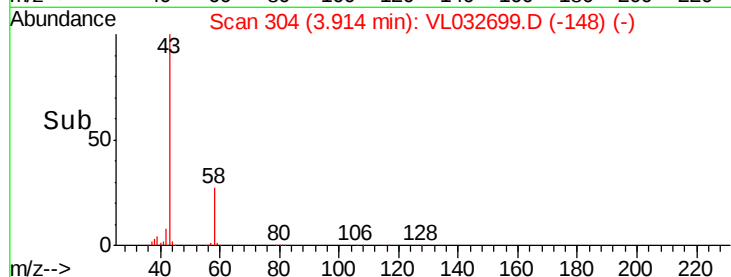
600000

400000

200000

0

Time--> 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 10.162 ppbv

RT: 3.37 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL032699.D

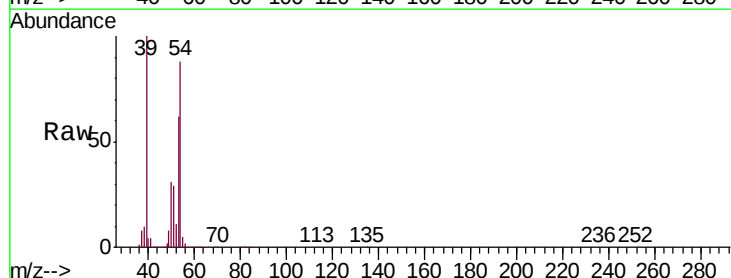
Acq: 30 Oct 2018 13:27

Tgt Ion: 39 Resp: 511868

Ion Ratio Lower Upper

39 100

54 96.0 90.4 135.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

400000

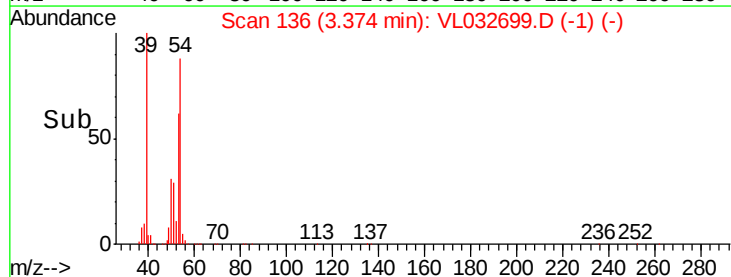
300000

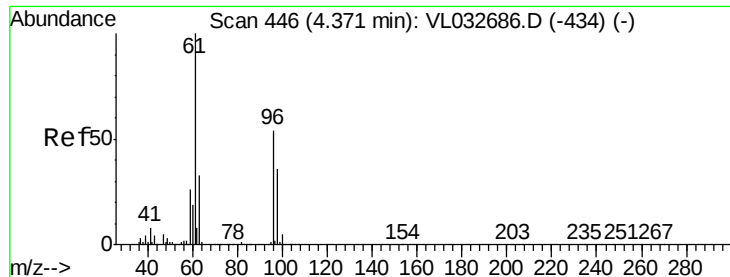
200000

100000

0

Time--> 3.34 3.36 3.38 3.40 3.42





#17

tert-Butyl alcohol

Concen: 11.492 ppbv

RT: 4.37 min Scan# 446

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

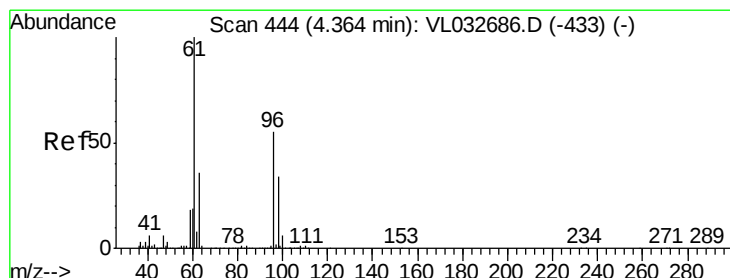
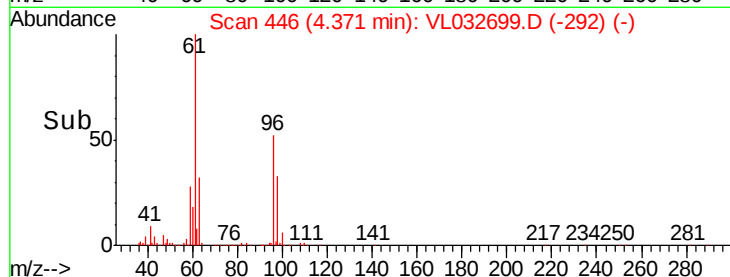
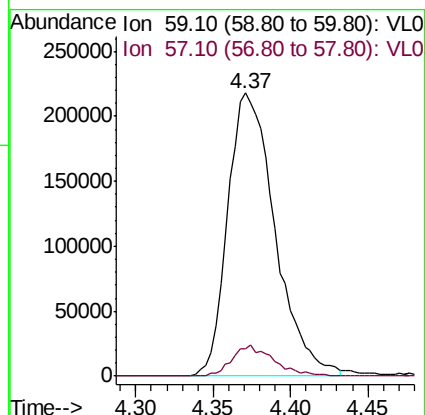
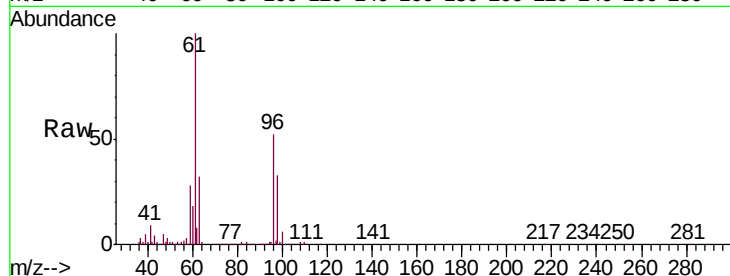
VSTDCCC010

Tgt Ion: 59 Resp: 462766

Ion Ratio Lower Upper

59 100

57 9.9 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 10.553 ppbv

RT: 4.36 min Scan# 444

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

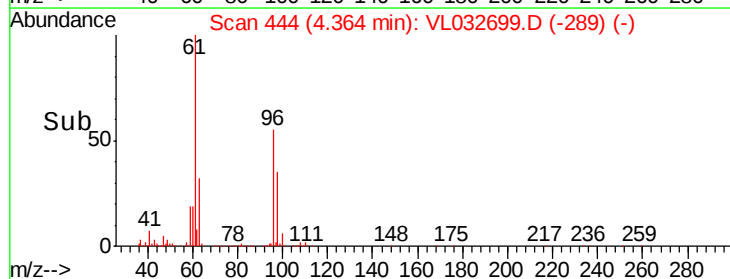
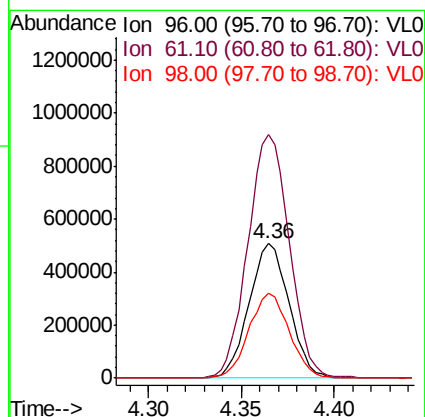
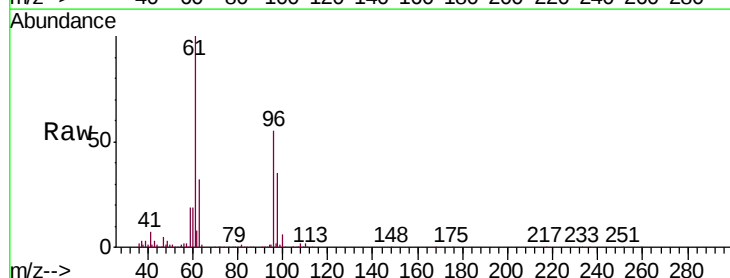
Tgt Ion: 96 Resp: 760794

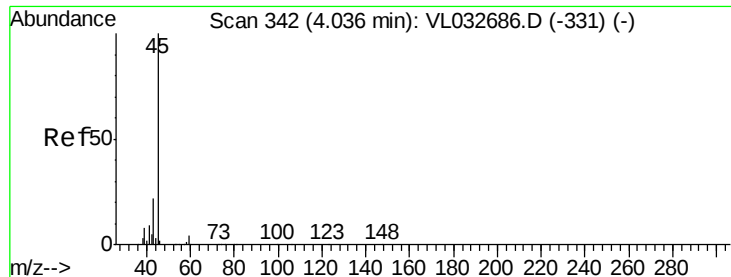
Ion Ratio Lower Upper

96 100

61 180.6 151.6 227.4

98 62.9 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.240 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.01 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

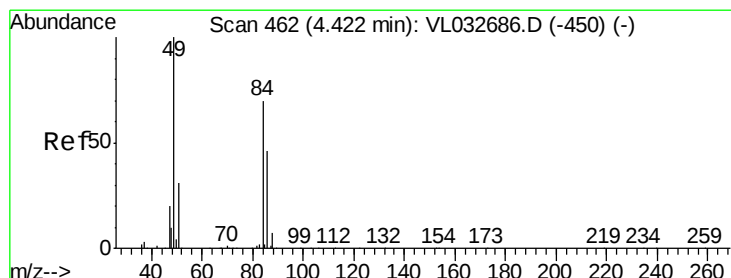
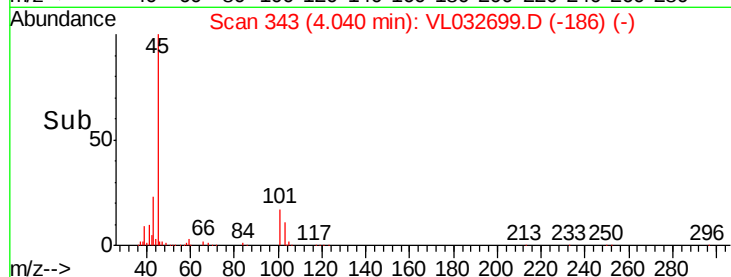
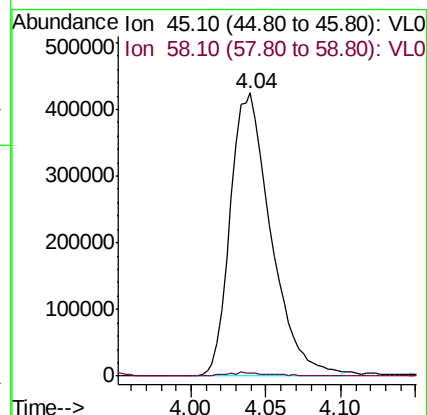
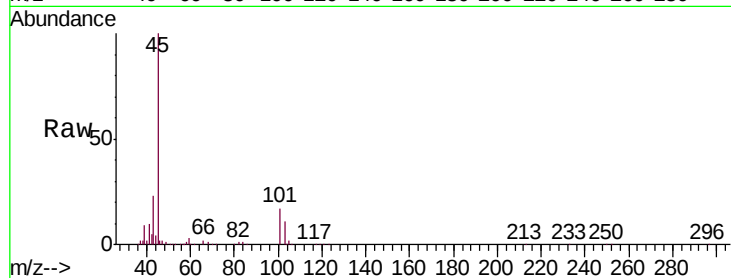
VSTDCCC010

Tgt Ion: 45 Resp: 803472

Ion Ratio Lower Upper

45 100

58 1.9 2.0 3.0#



#20

Methylene Chloride

Concen: 9.516 ppbv

RT: 4.42 min Scan# 461

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Tgt Ion: 84 Resp: 661357

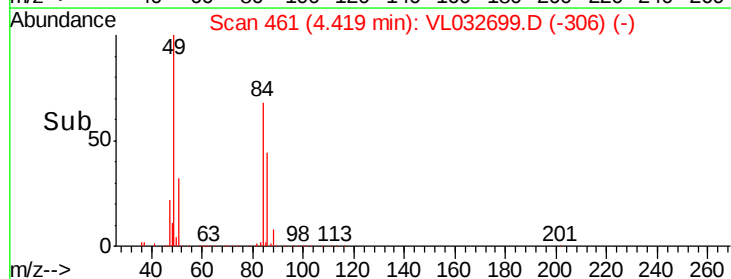
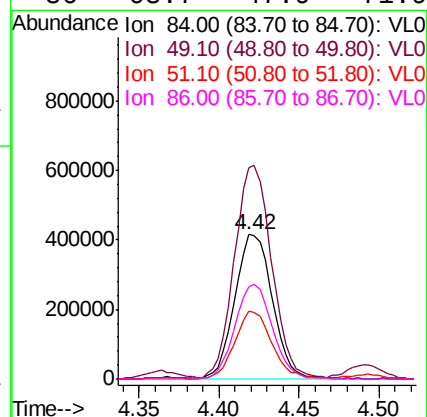
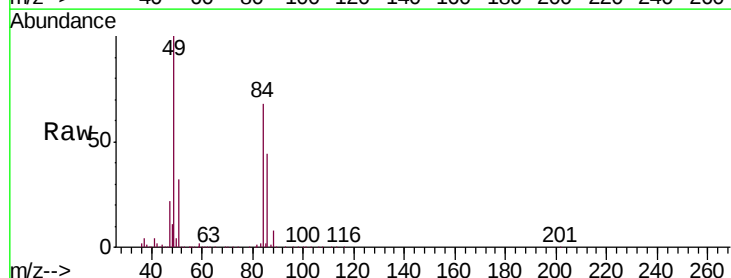
Ion Ratio Lower Upper

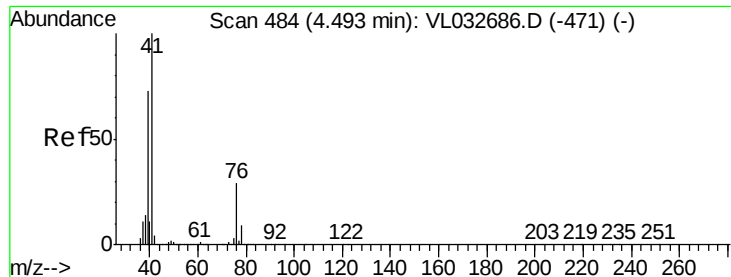
84 100

49 145.2 113.5 170.3

51 46.1 34.8 52.2

86 63.7 47.9 71.9

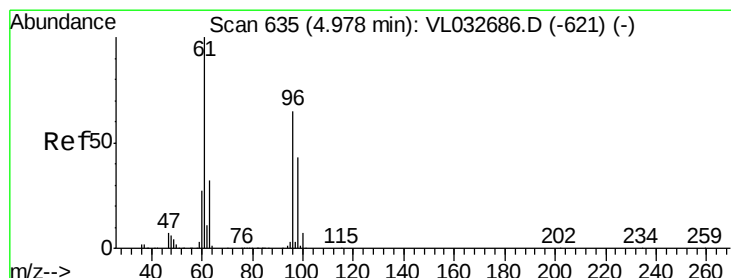
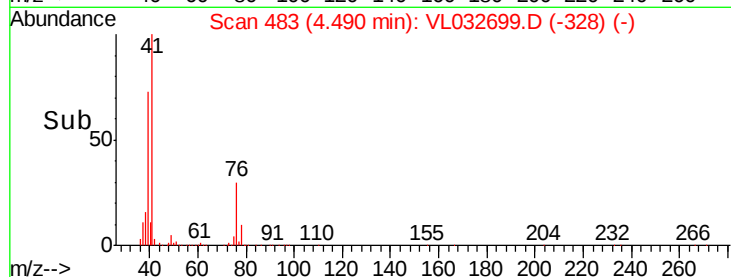
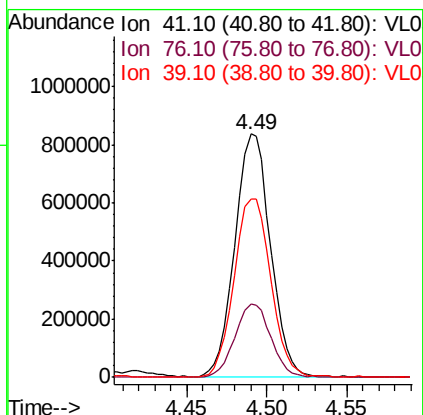
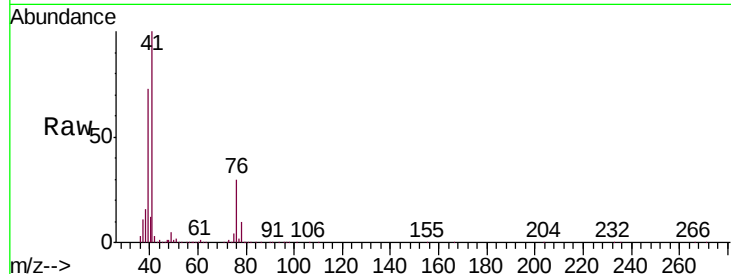




#21
 Allyl Chloride
 Concen: 11.245 ppbv
 RT: 4.49 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

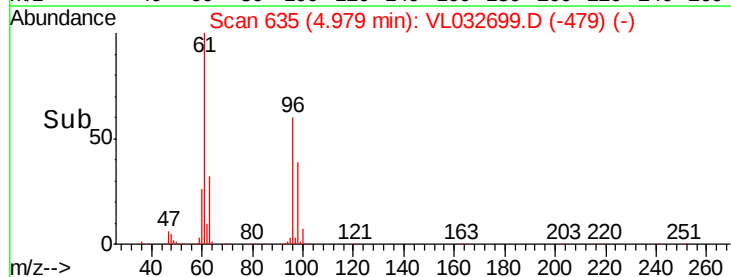
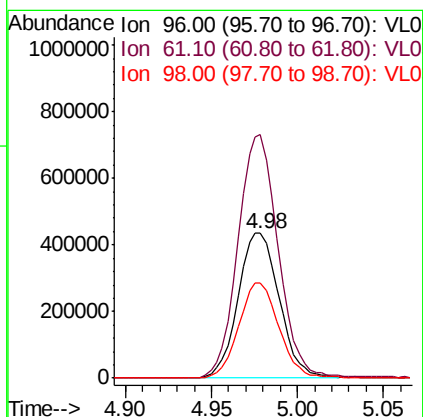
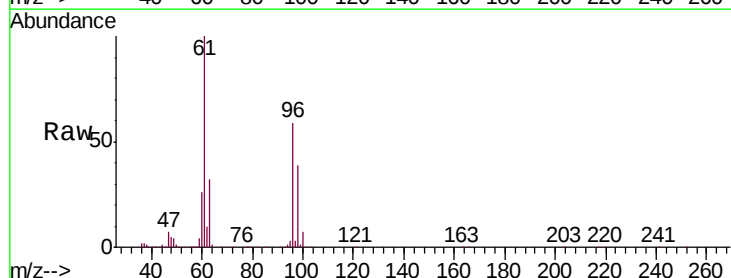
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

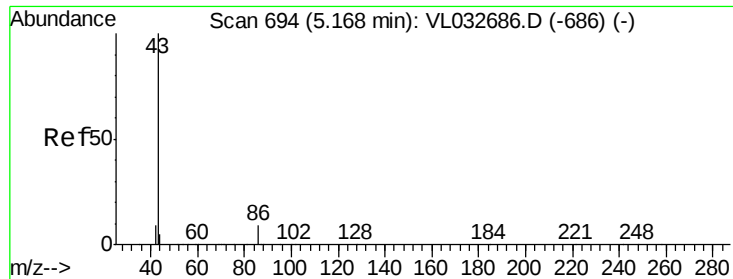
Tgt Ion: 41 Resp: 1264169
 Ion Ratio Lower Upper
 41 100
 76 30.5 24.3 36.5
 39 76.3 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.797 ppbv
 RT: 4.98 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion: 96 Resp: 724483
 Ion Ratio Lower Upper
 96 100
 61 168.1 140.4 210.6
 98 65.7 55.0 82.6





#23

Vinyl Acetate

Concen: 10.874 ppbv

RT: 5.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2638293

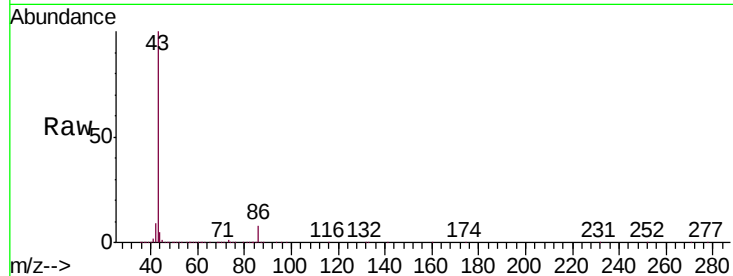
Ion Ratio Lower Upper

43 100

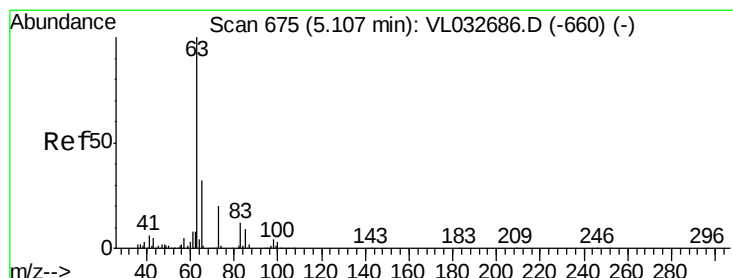
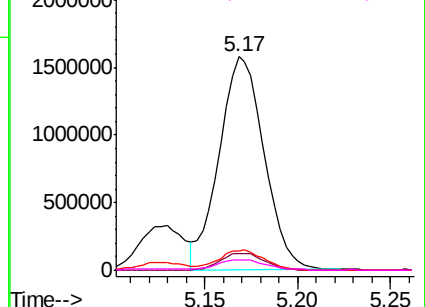
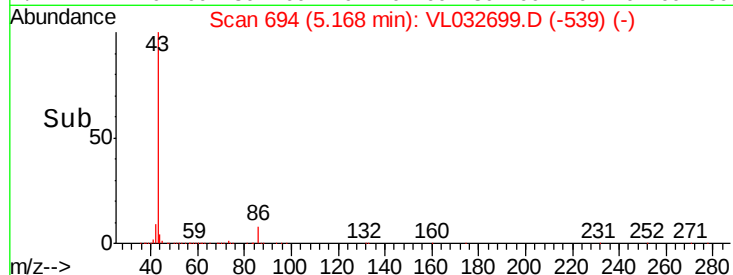
86 7.5 6.1 9.1

42 9.2 7.4 11.2

44 4.6 4.2 6.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 2500000
 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: 10.147 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

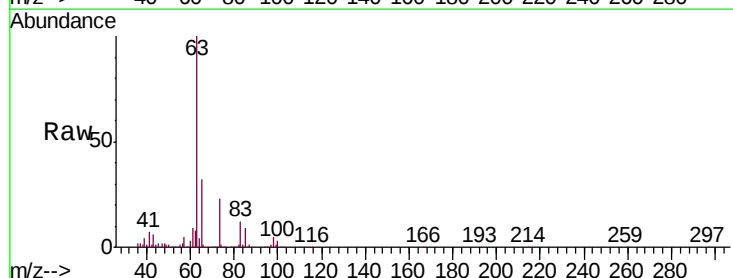
Tgt Ion: 63 Resp: 1932660

Ion Ratio Lower Upper

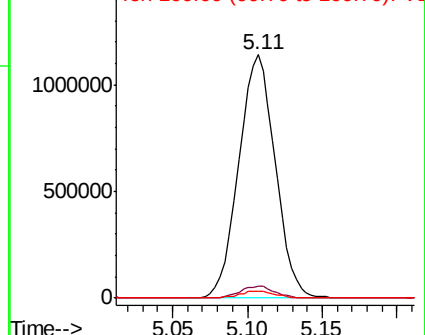
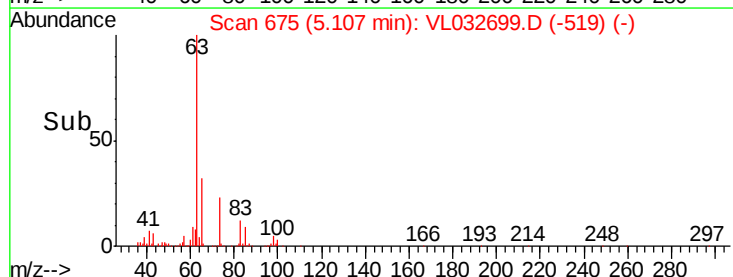
63 100

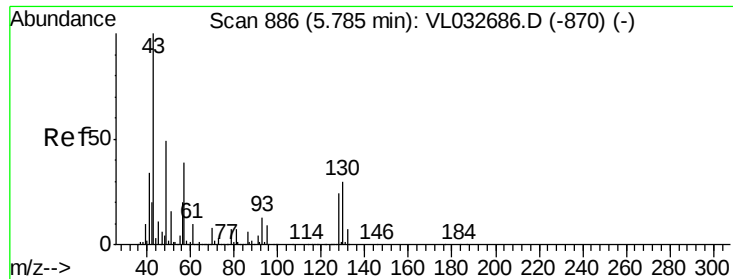
98 5.0 2.1 6.3

100 2.7 1.2 3.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
 1500000
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

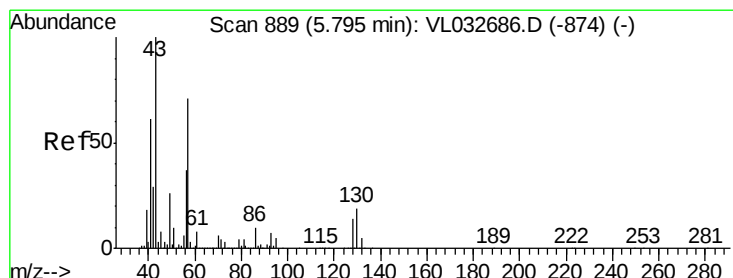
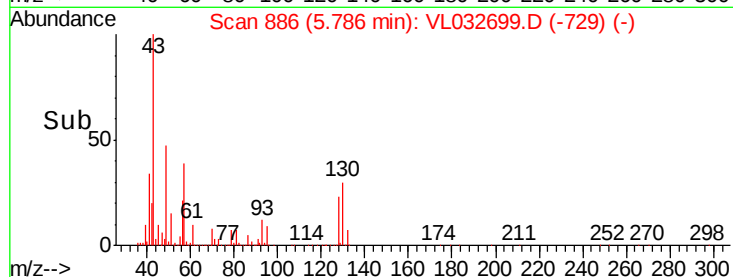
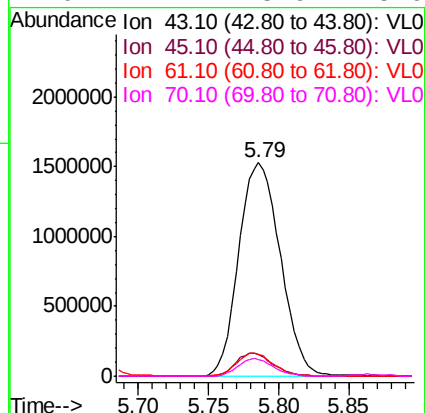
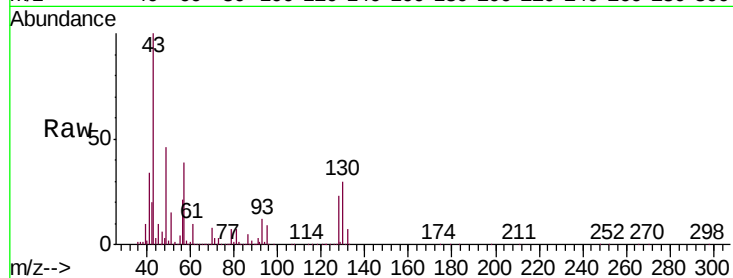




#25
Ethyl Acetate
Concen: 10.010 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

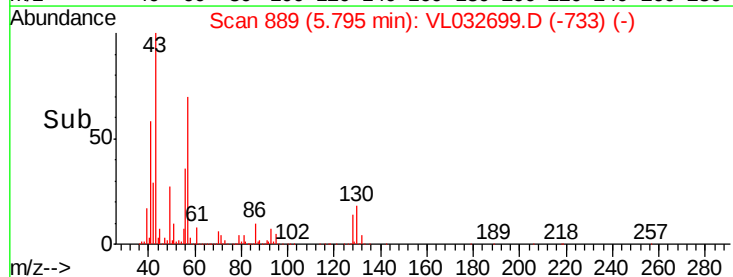
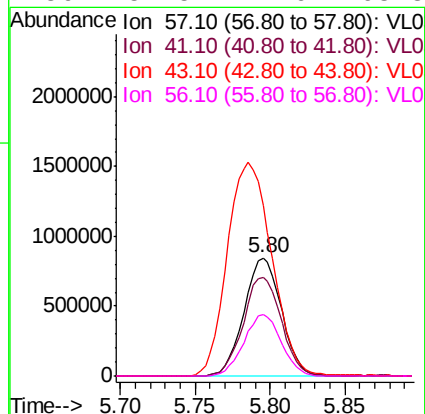
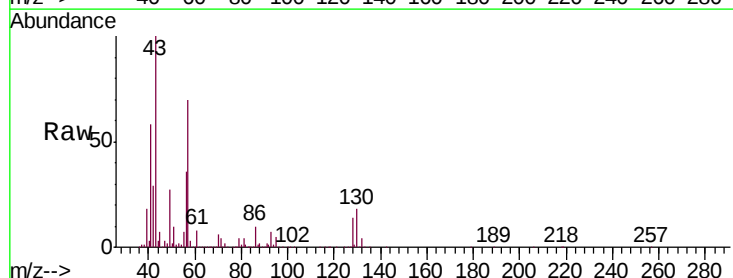
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

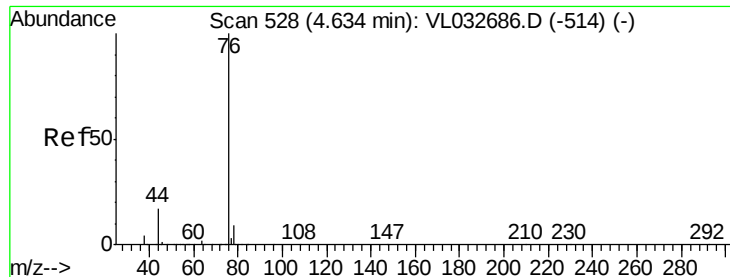
Tgt Ion:	43	Resp:	3154635
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.6	8.0	12.0
70	7.1	5.9	8.9



#26
Hexane
Concen: 9.834 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion:	57	Resp:	1466456
Ion	Ratio	Lower	Upper
57	100		
41	85.5	67.4	101.0
43	216.0	171.9	257.9
56	52.5	42.6	63.8





#27

Carbon Disulfide

Concen: 9.709 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

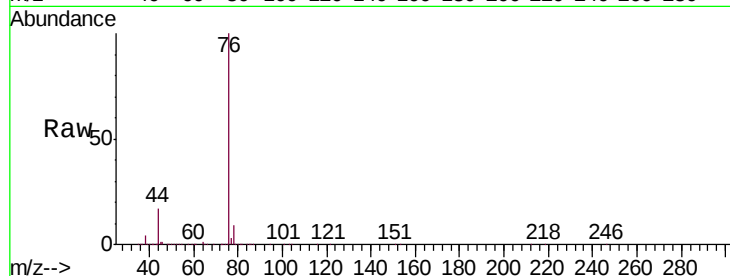
Tgt Ion: 76 Resp: 1756322

Ion Ratio Lower Upper

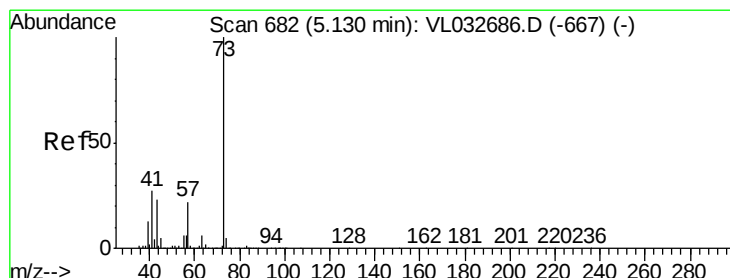
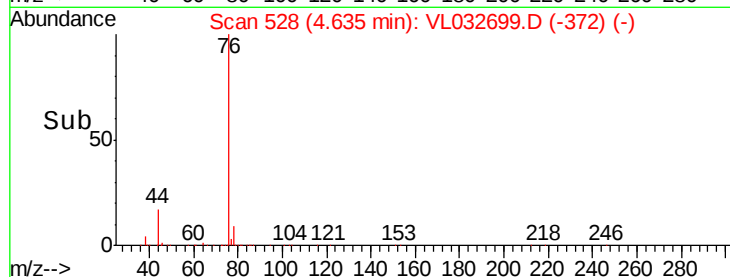
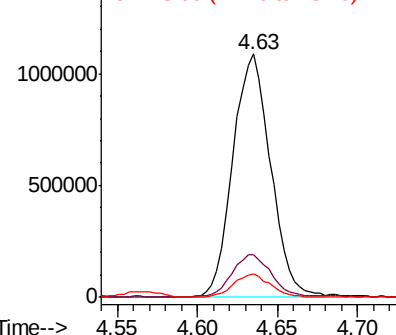
76 100

44 17.9 13.7 20.5

78 9.4 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: 11.263 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.00 min

Lab File: VL032699.D

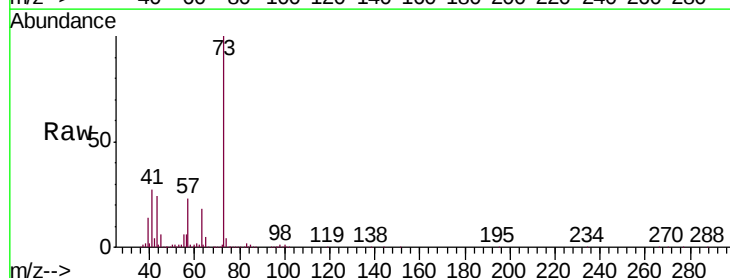
Acq: 30 Oct 2018 13:27

Tgt Ion: 73 Resp: 2413749

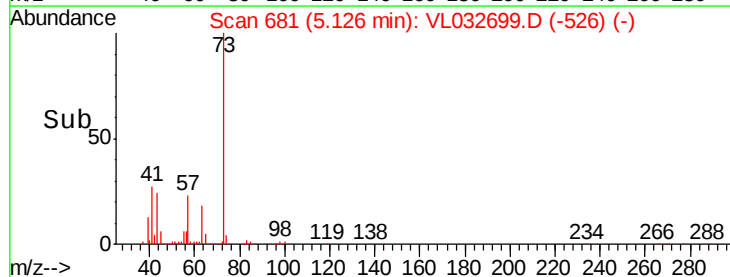
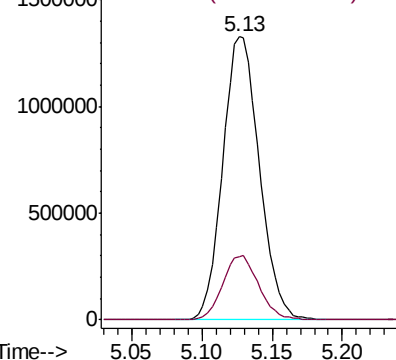
Ion Ratio Lower Upper

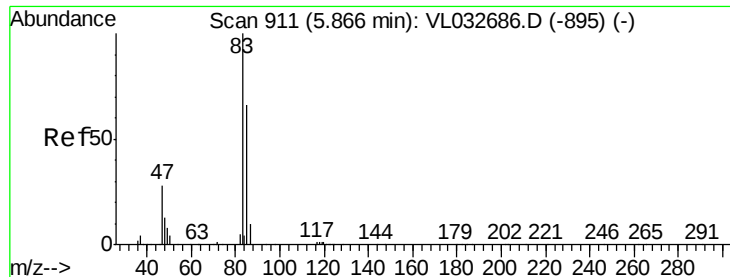
73 100

57 22.4 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: 9.991 ppbv

RT: 5.87 min Scan# 911

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

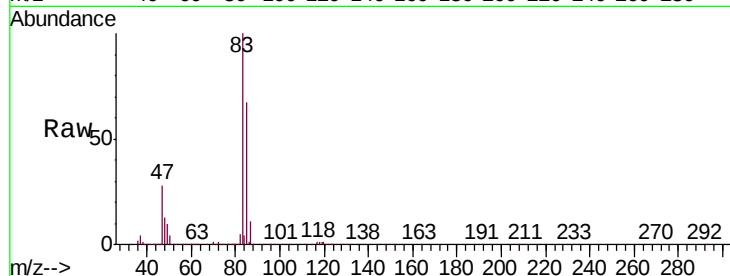
VSTDCCC010

Tgt Ion: 83 Resp: 2379883

Ion Ratio Lower Upper

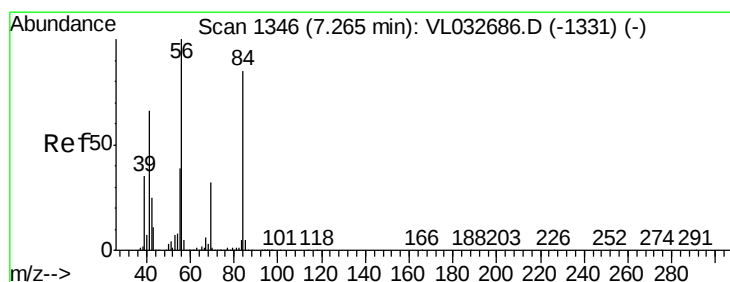
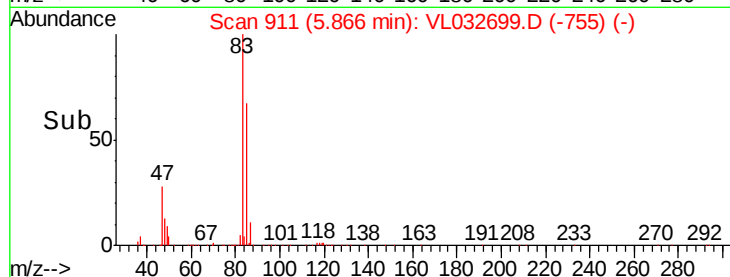
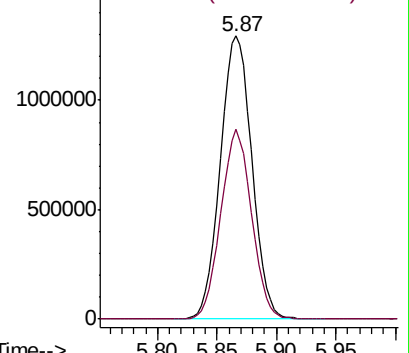
83 100

85 67.0 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.262 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

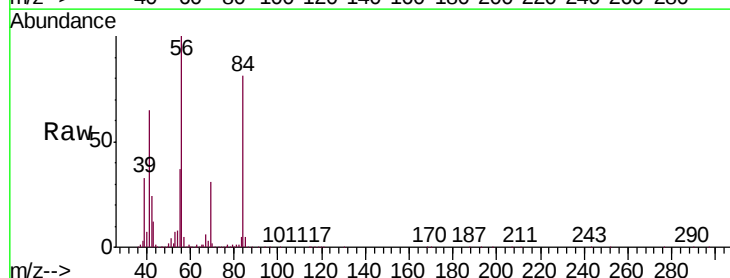
Tgt Ion: 84 Resp: 1329264

Ion Ratio Lower Upper

84 100

56 130.4 108.3 162.5

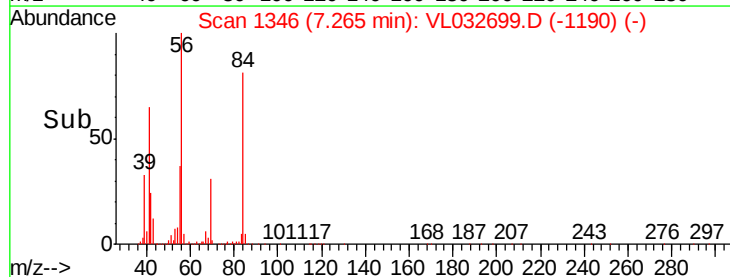
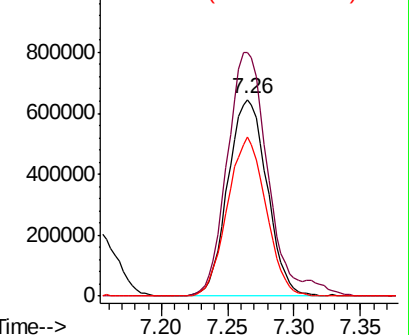
41 79.7 64.8 97.2

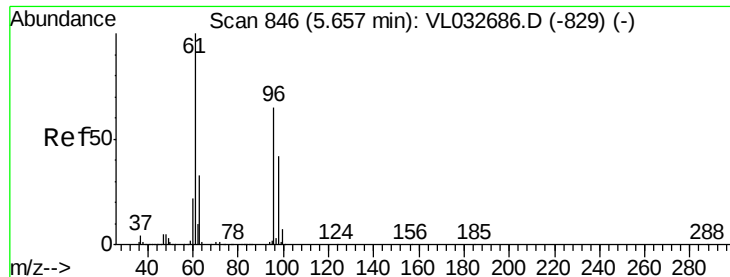


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



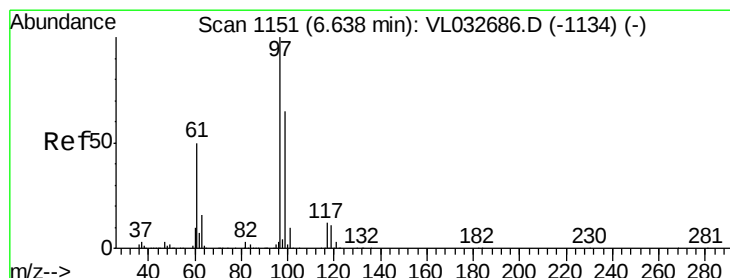
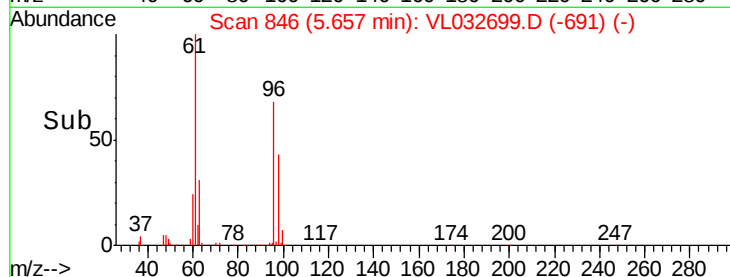
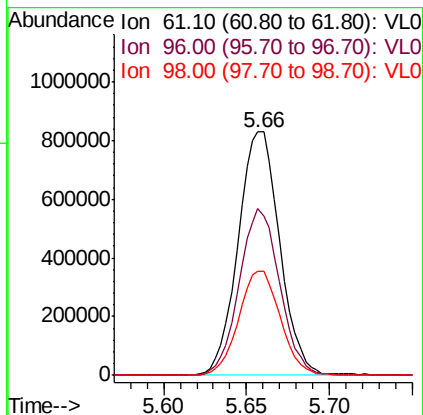
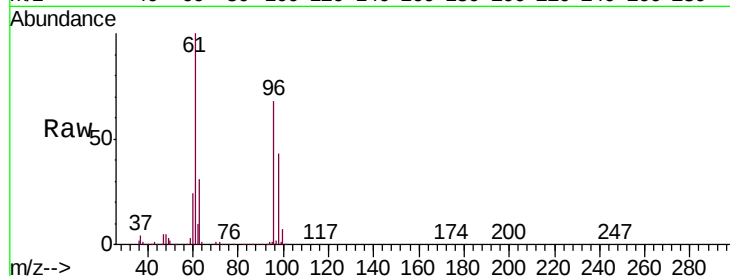


#31

cis-1,2-Dichloroethene
 Concen: 10.501 ppbv
 RT: 5.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

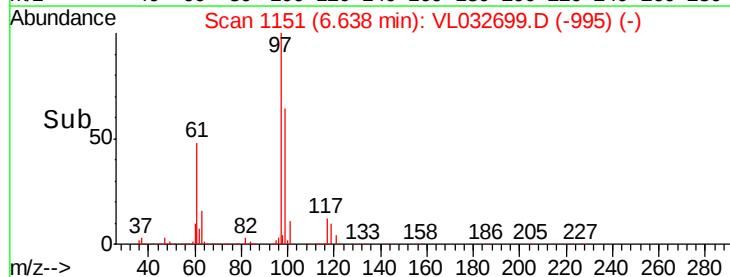
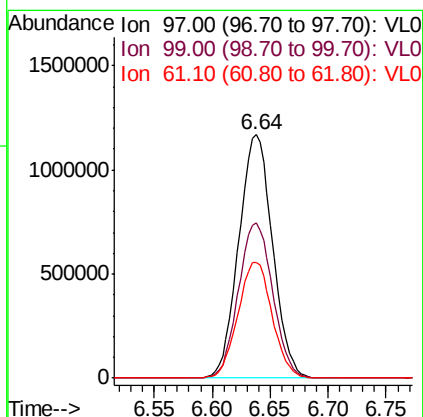
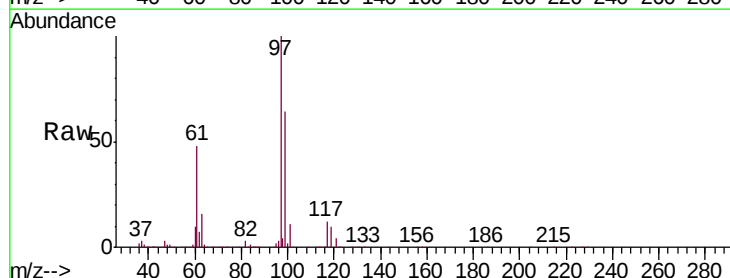
Tgt Ion: 61 Resp: 1451878
 Ion Ratio Lower Upper
 61 100
 96 68.2 51.8 77.6
 98 42.8 33.8 50.6

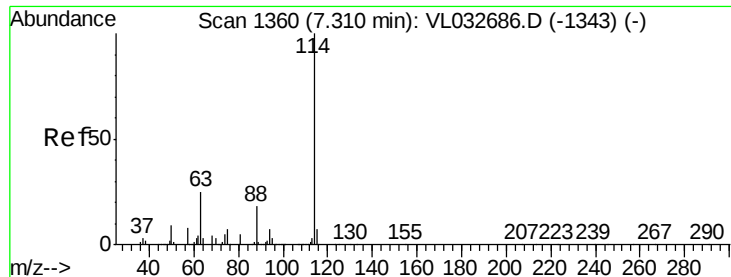


#32

1,1,1-Trichloroethane
 Concen: 9.823 ppbv
 RT: 6.64 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion: 97 Resp: 2377786
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 48.2 40.7 61.1

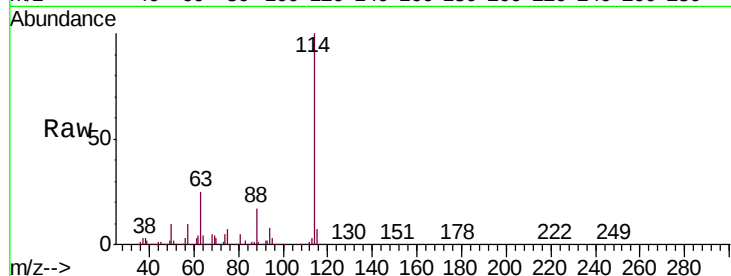




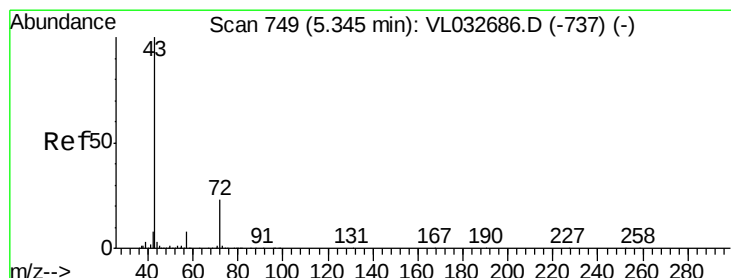
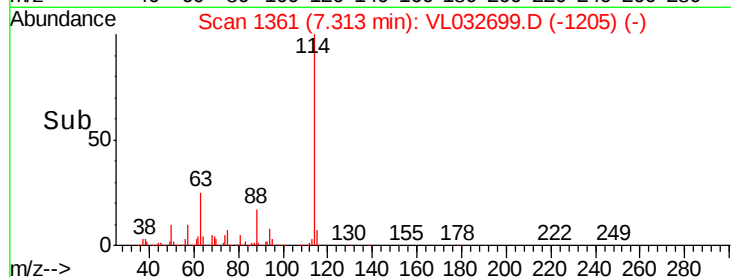
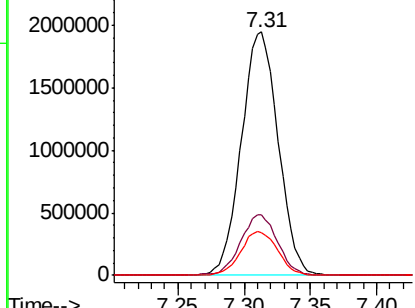
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 3759030
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 18.0 14.9 22.3

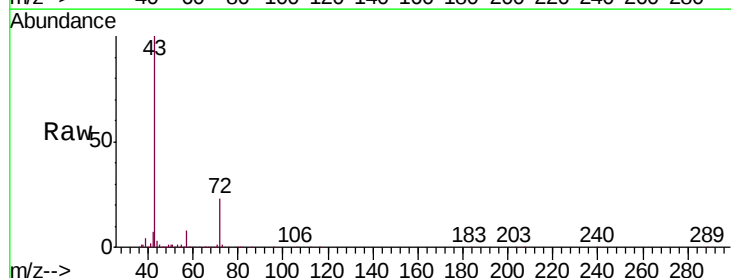


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

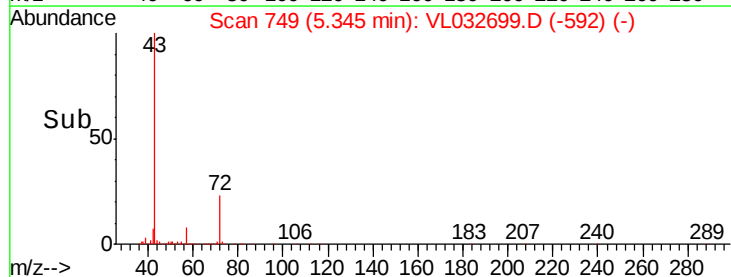
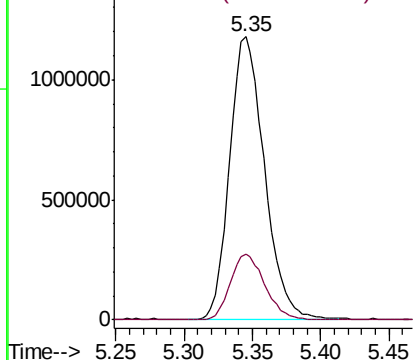


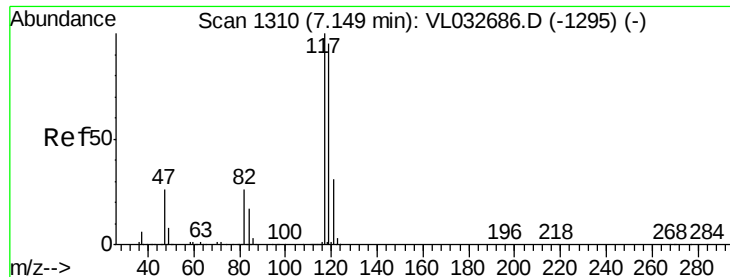
#34
 2-Butanone
 Concen: 10.337 ppbv
 RT: 5.35 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion: 43 Resp: 2083088
 Ion Ratio Lower Upper
 43 100
 72 23.3 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: 9.556 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

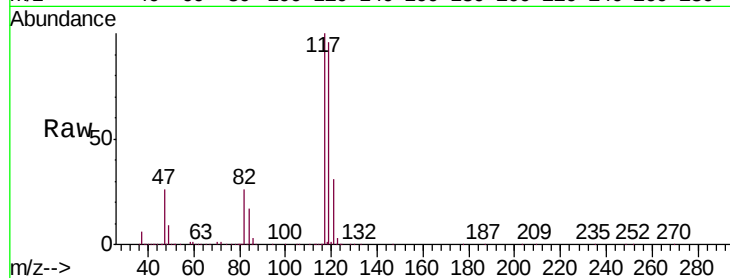
Tgt Ion:117 Resp: 2549447

Ion Ratio Lower Upper

117 100

119 95.7 75.7 113.5

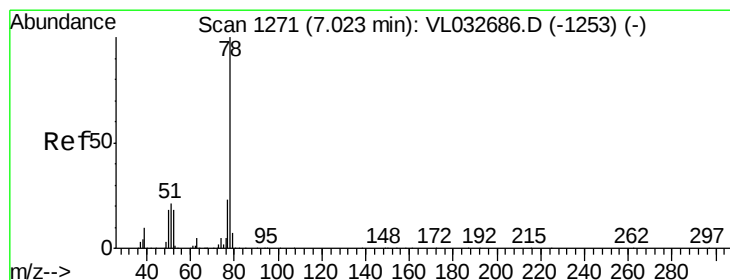
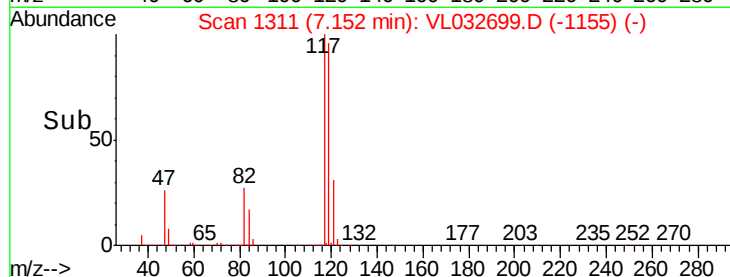
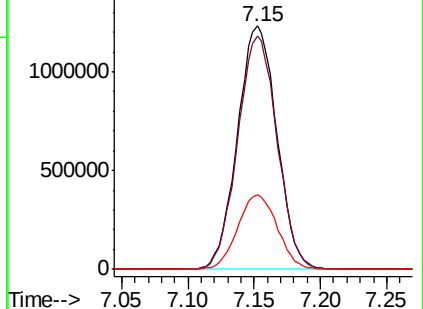
121 30.9 24.7 37.1



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: 10.211 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

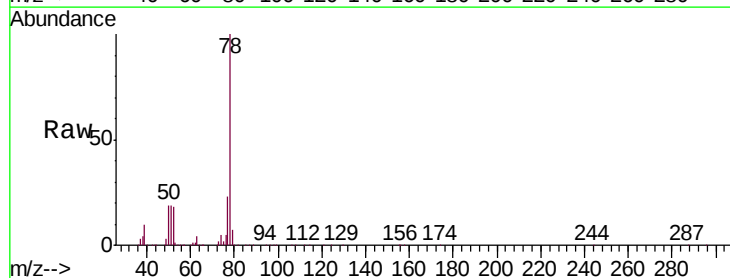
Tgt Ion: 78 Resp: 3117015

Ion Ratio Lower Upper

78 100

77 22.5 18.1 27.1

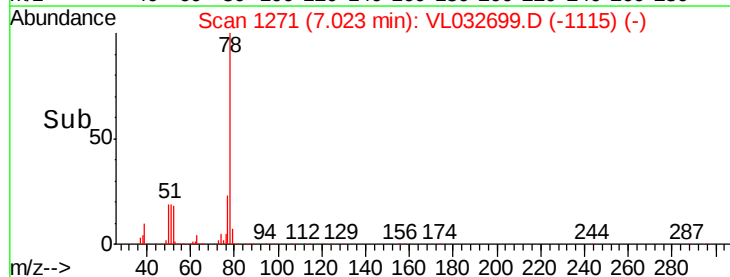
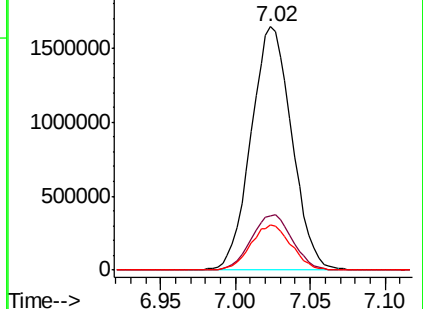
50 18.7 15.1 22.7

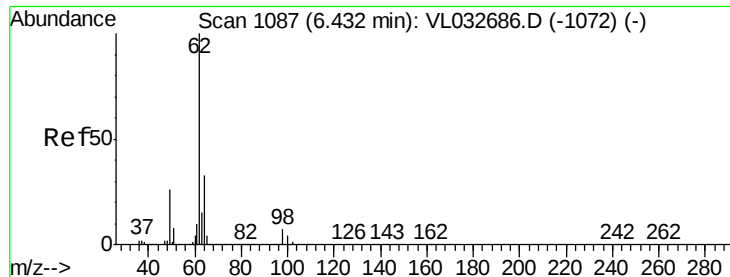


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.607 ppbv

RT: 6.43 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

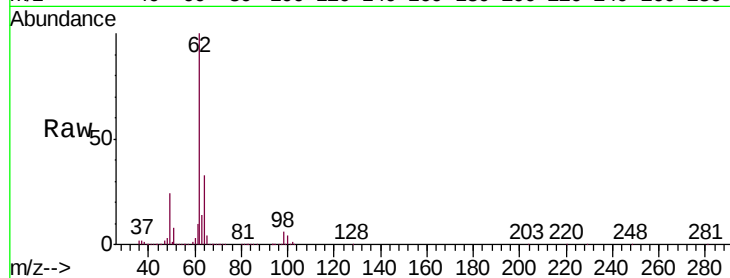
VSTDCCC010

Tgt Ion: 62 Resp: 1798605

Ion Ratio Lower Upper

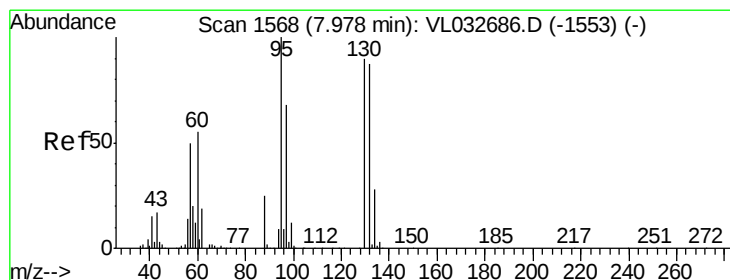
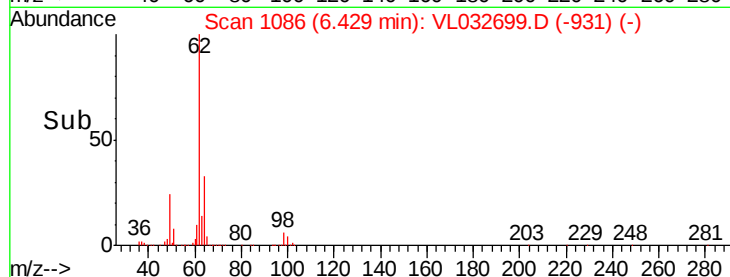
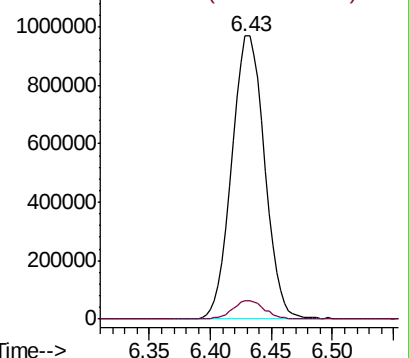
62 100

98 6.4 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.631 ppbv

RT: 7.98 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Tgt Ion: 130 Resp: 1201343

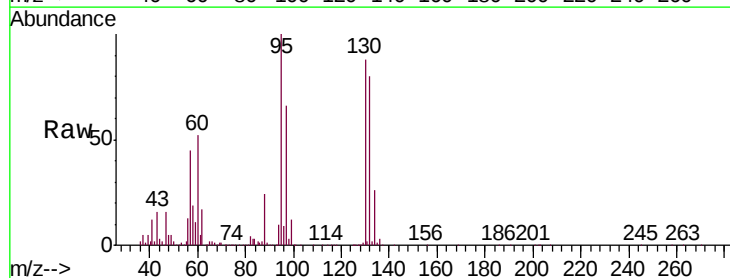
Ion Ratio Lower Upper

130 100

95 113.4 93.4 140.0

132 91.0 76.5 114.7

97 74.4 60.2 90.2

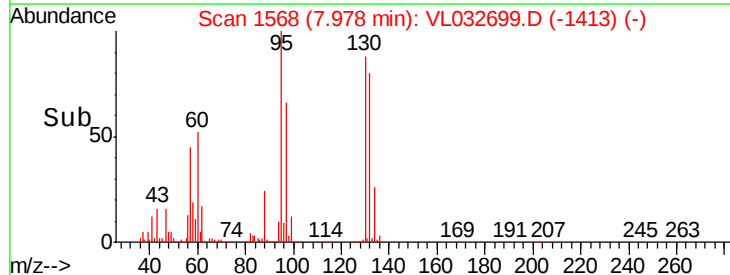
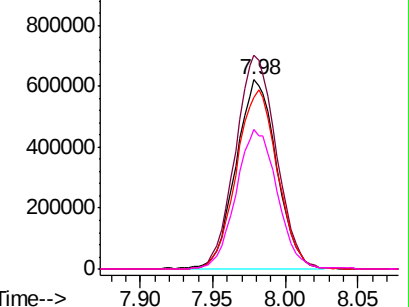


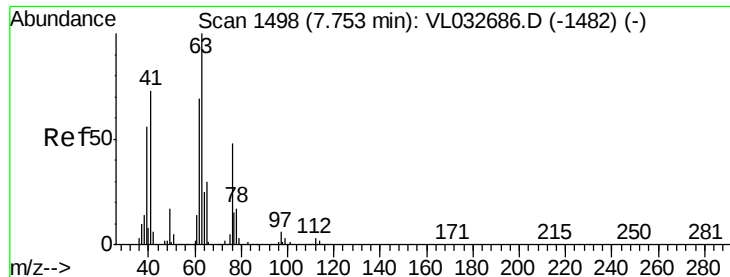
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.233 ppbv

RT: 7.76 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

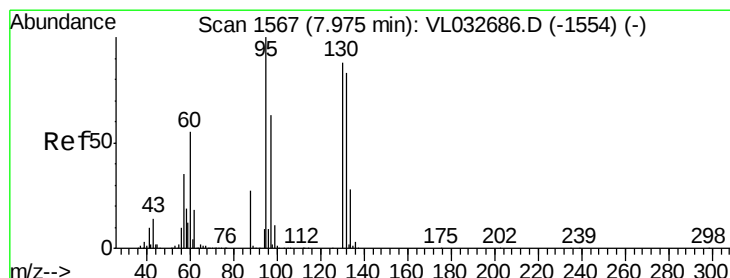
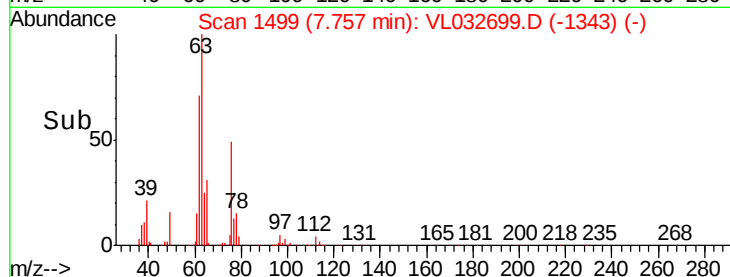
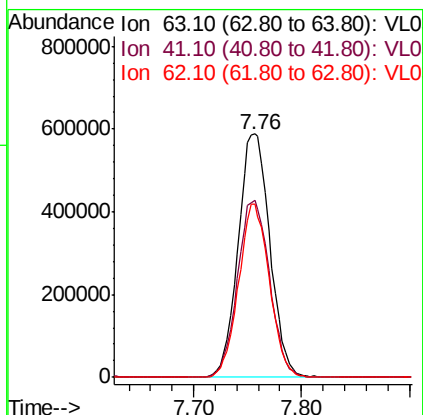
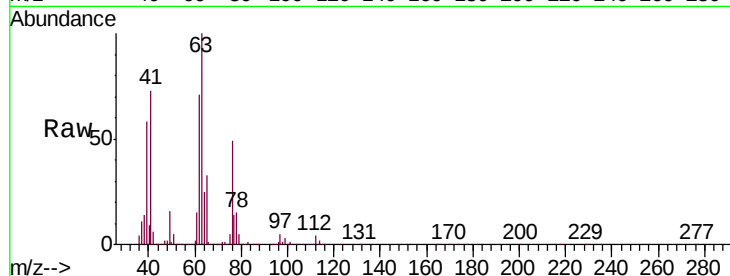
Tgt Ion: 63 Resp: 1206245

Ion Ratio Lower Upper

63 100

41 72.9 56.2 84.4

62 70.9 54.4 81.6



#40

1,4-Dioxane

Concen: 10.182 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Tgt Ion: 88 Resp: 409897

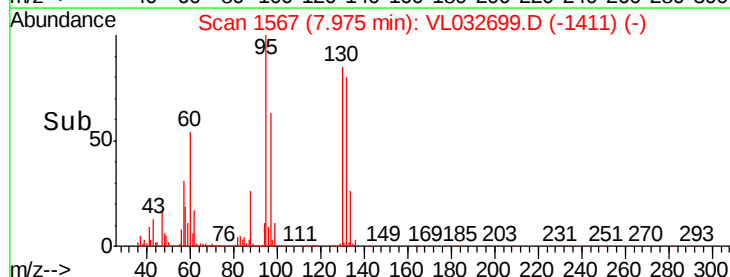
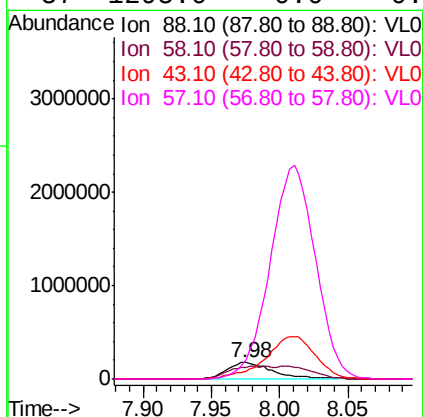
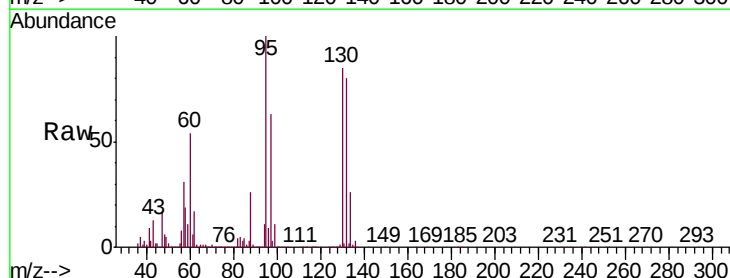
Ion Ratio Lower Upper

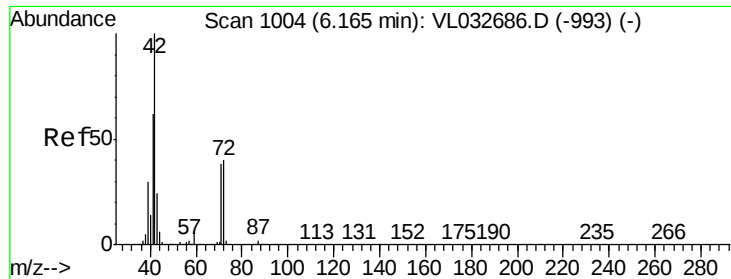
88 100

58 133.0 104.0 156.0

43 284.4 0.0 0.0#

57 1295.0 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.144 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

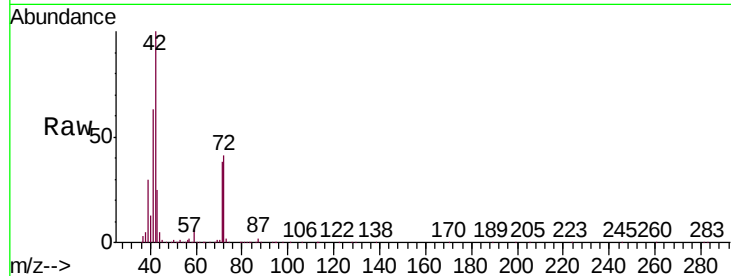
Tgt Ion: 42 Resp: 1251383

Ion Ratio Lower Upper

42 100

72 40.2 32.4 48.6

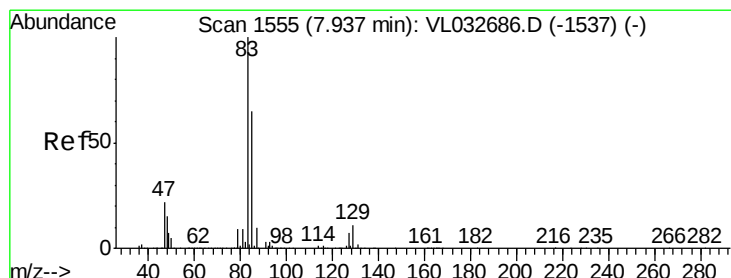
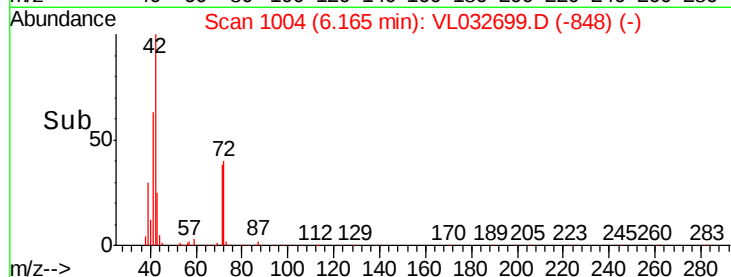
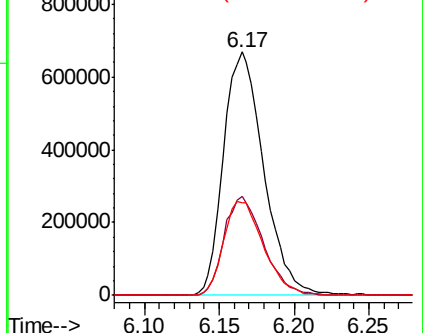
71 38.8 31.3 46.9



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: 9.949 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

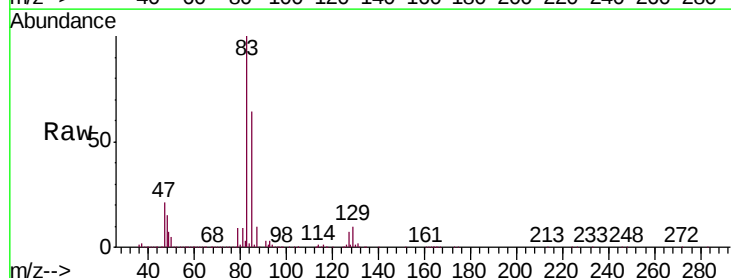
Tgt Ion: 83 Resp: 2609824

Ion Ratio Lower Upper

83 100

85 64.4 52.4 78.6

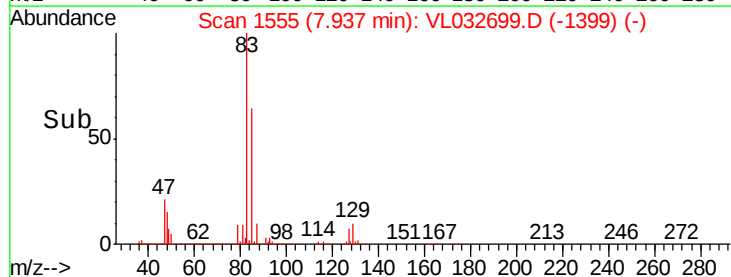
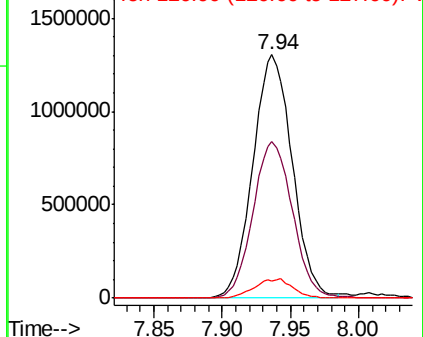
127 7.1 6.1 9.1

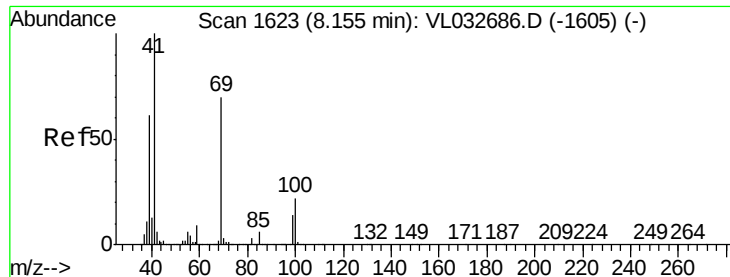


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

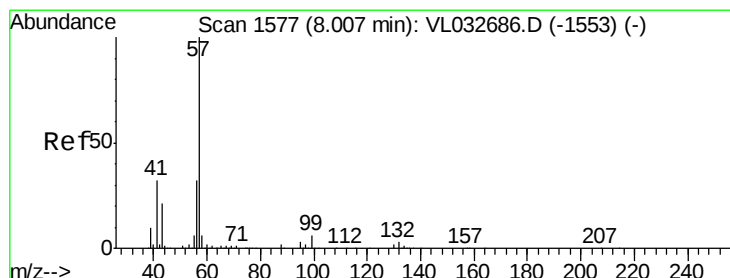
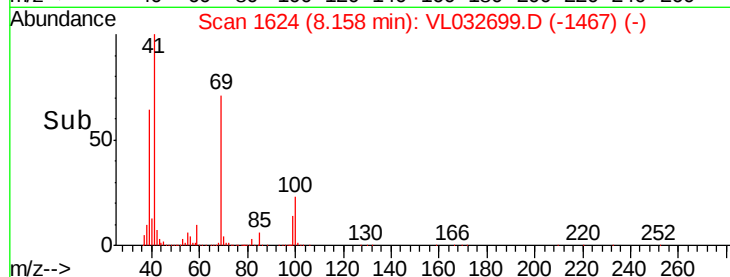
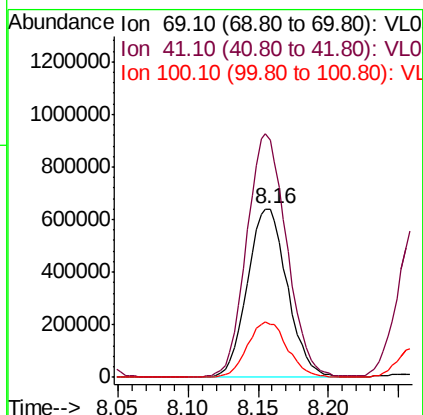
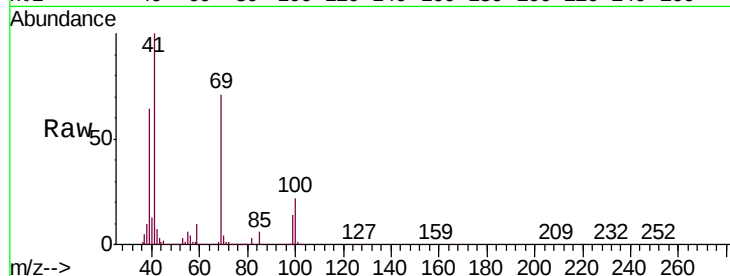




#43
Methyl Methacrylate
Concen: 11.339 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.01 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

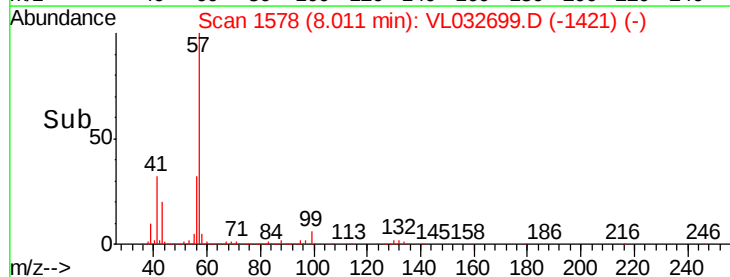
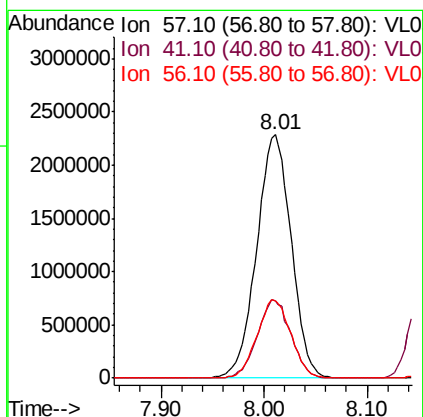
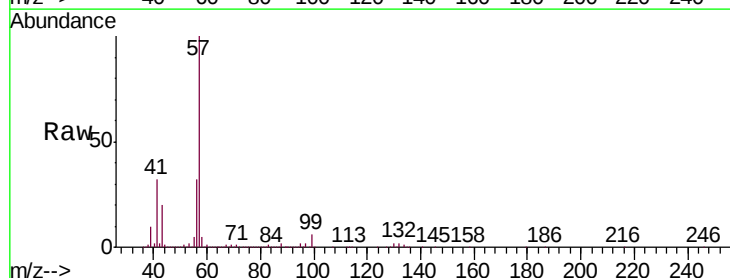
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

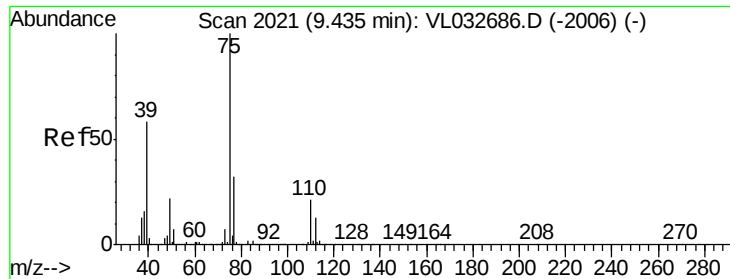
Tgt Ion: 69 Resp: 1268541
Ion Ratio Lower Upper
69 100
41 144.8 113.2 169.8
100 33.0 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 10.174 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion: 57 Resp: 5301475
Ion Ratio Lower Upper
57 100
41 31.3 24.7 37.1
56 31.6 25.0 37.4

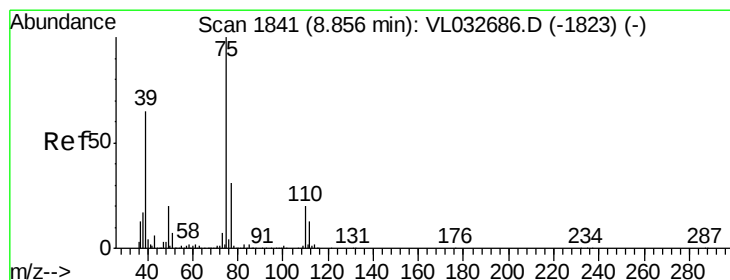
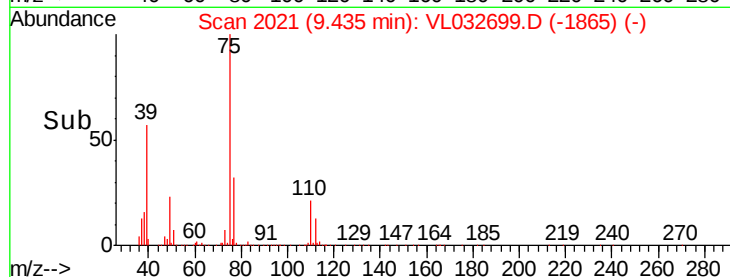
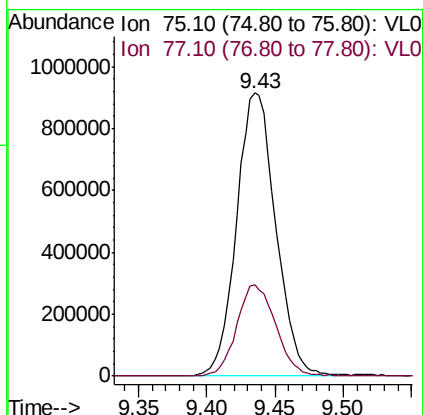
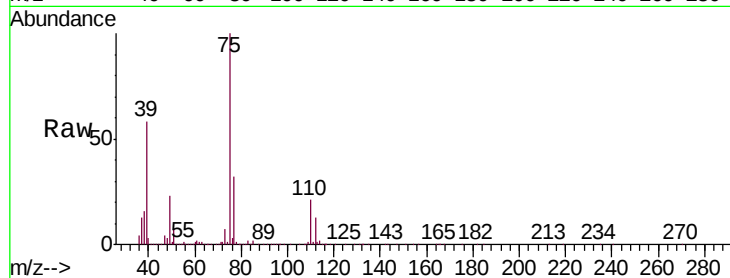




#45
t-1,3-Dichloropropene
Concen: 12.116 ppbv
RT: 9.43 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

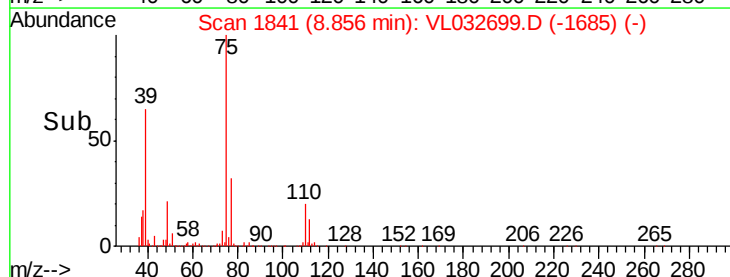
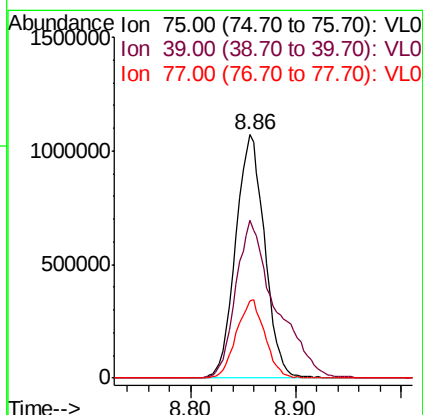
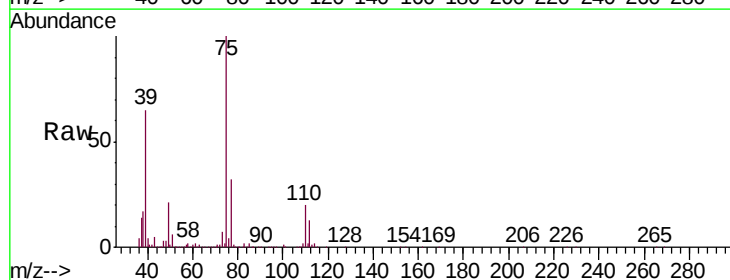
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

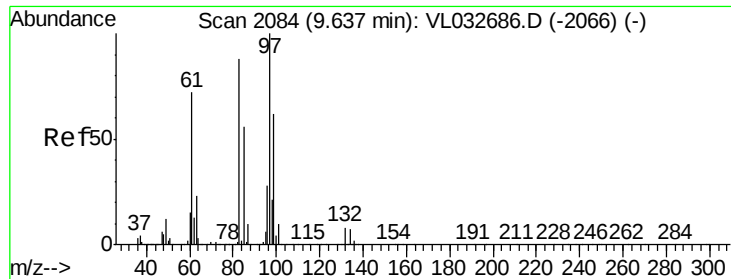
Tgt Ion: 75 Resp: 1814427
Ion Ratio Lower Upper
75 100
77 32.2 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 11.928 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion: 75 Resp: 2040763
Ion Ratio Lower Upper
75 100
39 64.9 50.9 76.3
77 31.6 25.8 38.6

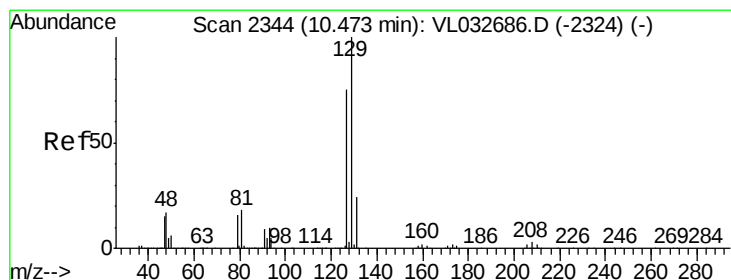
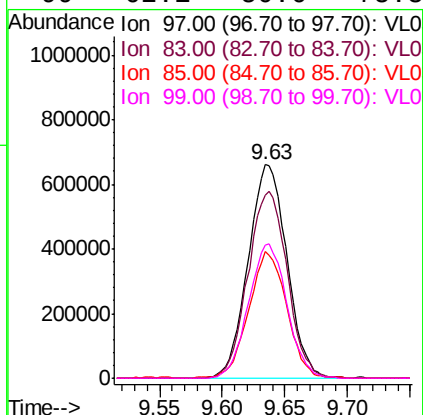
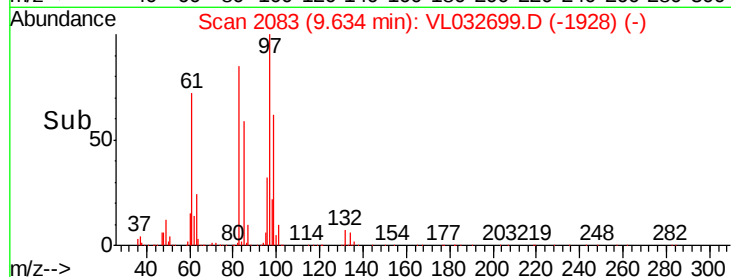
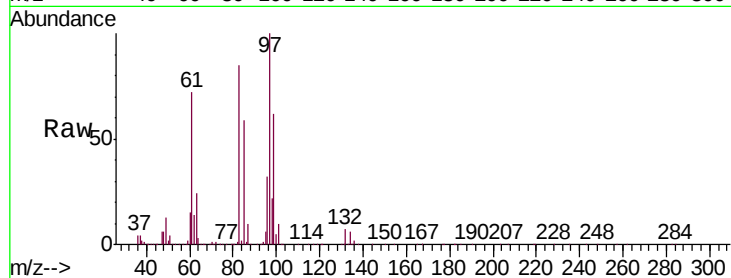




#47
 1,1,2-Trichloroethane
 Concen: 10.208 ppbv
 RT: 9.63 min Scan# 2083
 Delta R.T. -0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

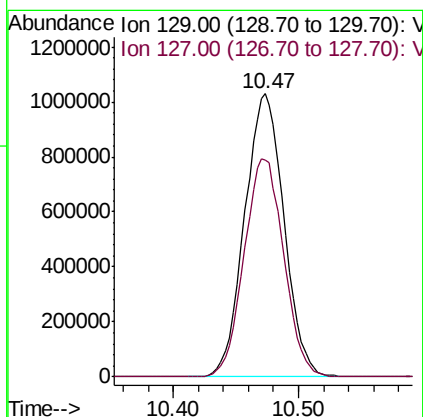
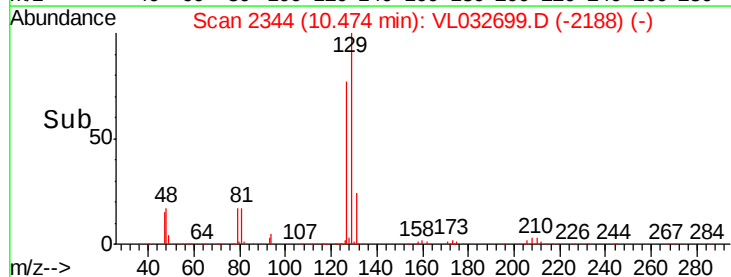
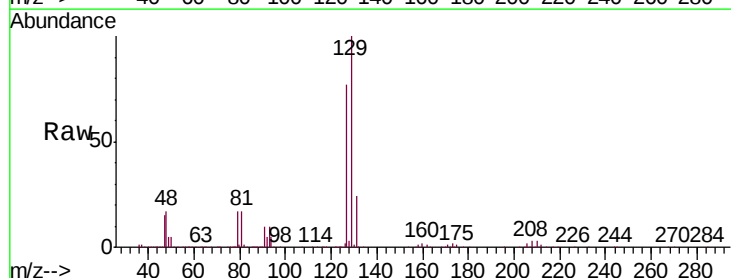
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

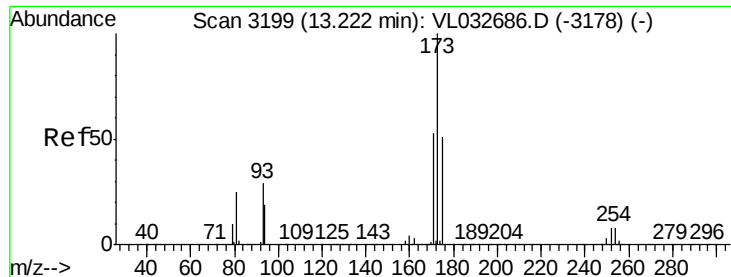
Tgt Ion: 97 Resp: 1421831
 Ion Ratio Lower Upper
 97 100
 83 85.4 73.5 110.3
 85 59.0 45.8 68.6
 99 62.1 50.6 75.8



#48
 Dibromochloromethane
 Concen: 9.664 ppbv
 RT: 10.47 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion: 129 Resp: 2243692
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.1 117.5





#49

Bromoform

Concen: 10.727 ppbv

RT: 13.22 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

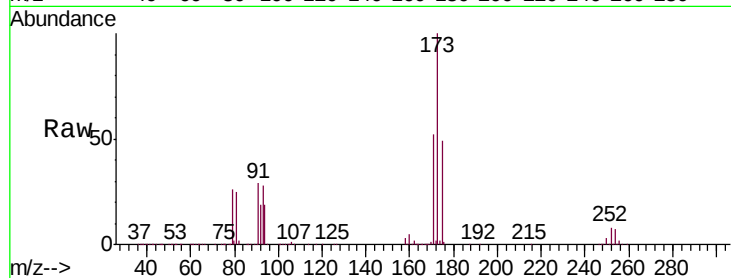
Tgt Ion:173 Resp: 1957000

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

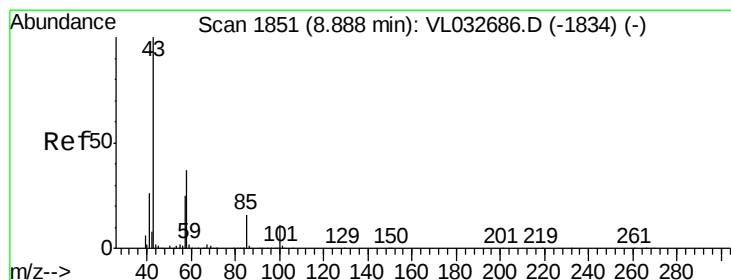
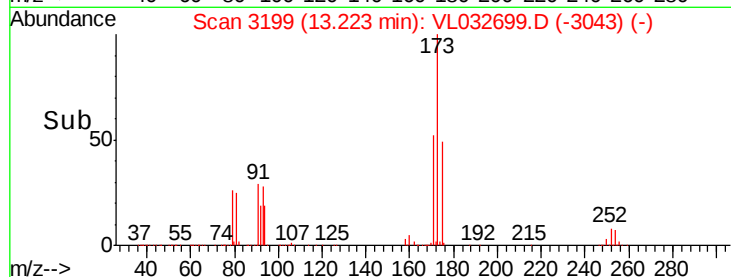
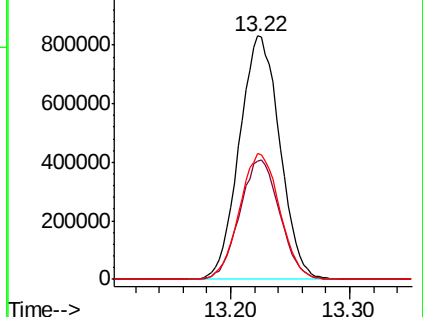
171 51.5 42.2 63.2



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: 11.278 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL032699.D

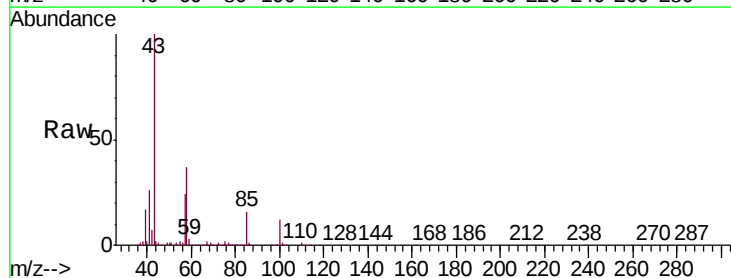
Acq: 30 Oct 2018 13:27

Tgt Ion: 43 Resp: 3366970

Ion Ratio Lower Upper

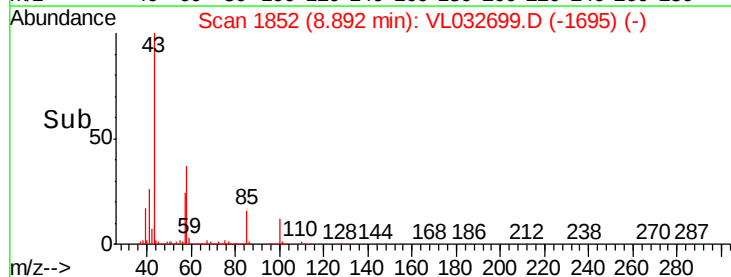
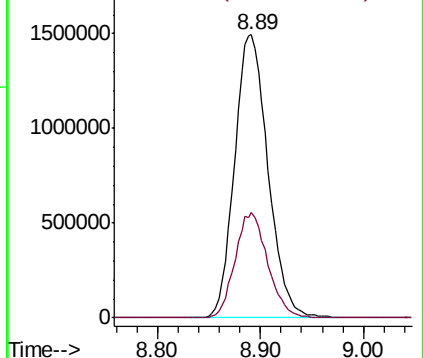
43 100

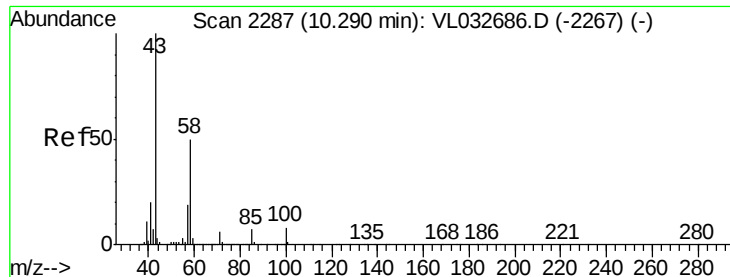
58 36.3 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.561 ppbv

RT: 10.29 min Scan# 2288

Delta R.T. 0.01 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

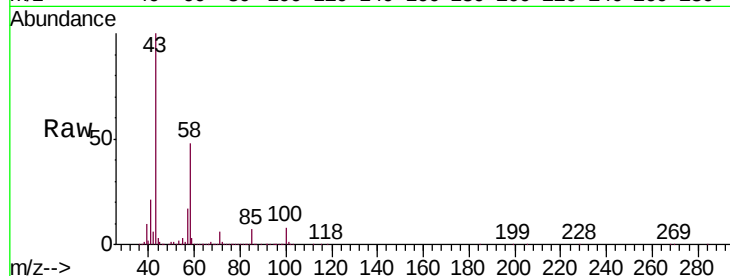
Tgt Ion: 43 Resp: 2343761

Ion Ratio Lower Upper

43 100

58 49.1 40.4 60.6

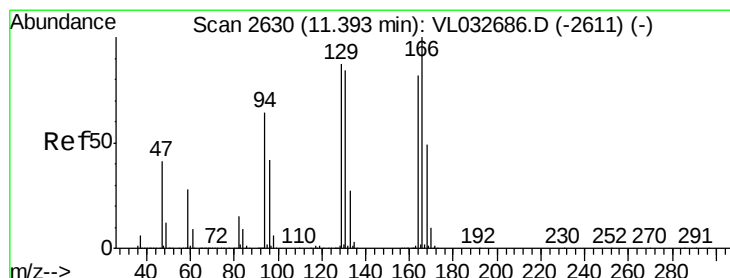
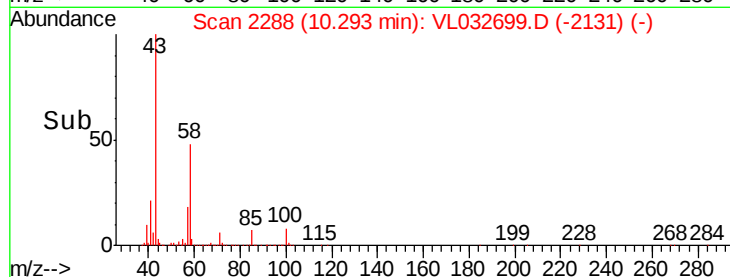
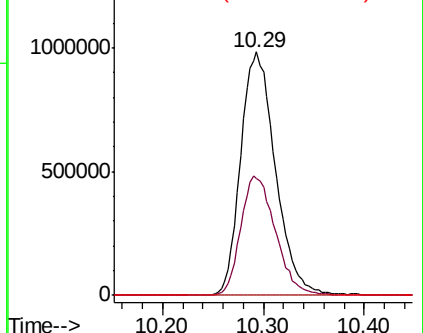
98 0.4 0.4 0.6



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: 10.126 ppbv

RT: 11.40 min Scan# 2631

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Tgt Ion: 164 Resp: 1077696

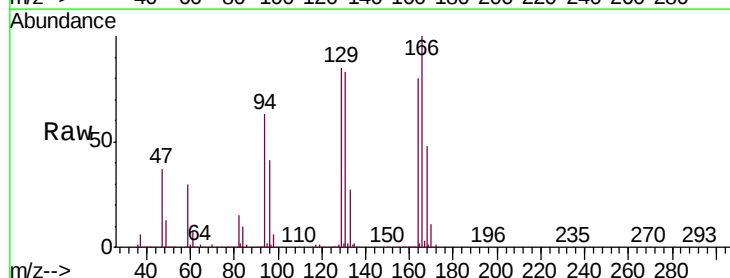
Ion Ratio Lower Upper

164 100

166 125.2 100.5 150.7

129 106.3 90.0 135.0

131 103.9 86.6 129.8

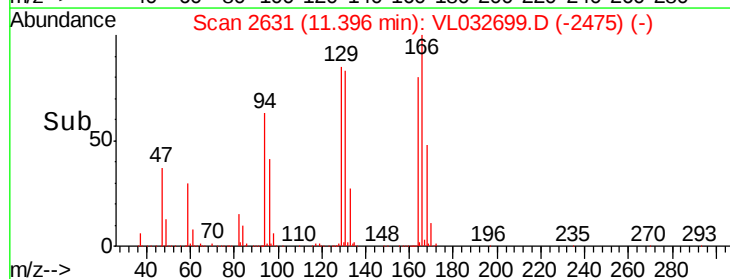
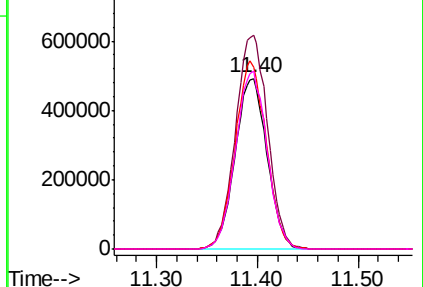


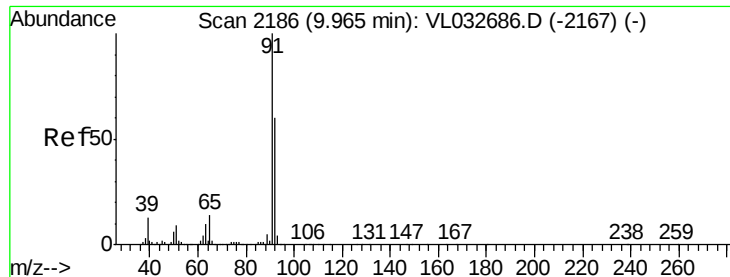
Abundance Ion 163.90 (163.60 to 164.60): V

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: 11.403 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

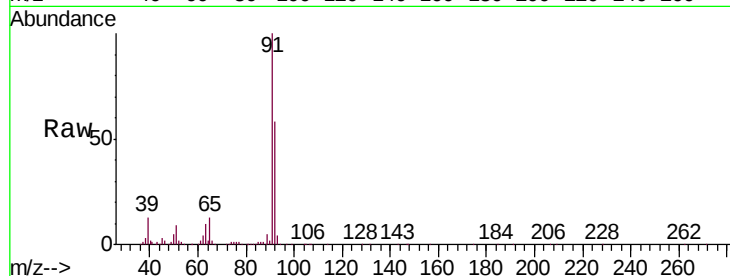
VSTDCCC010

Tgt Ion: 91 Resp: 3990026

Ion Ratio Lower Upper

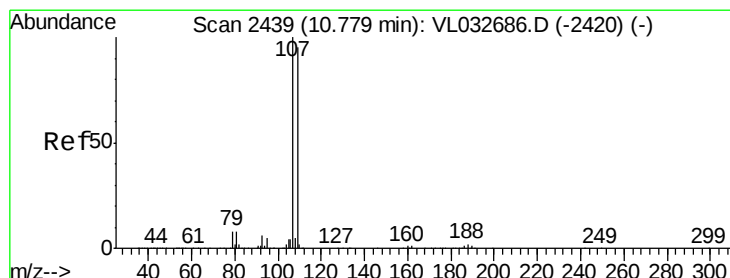
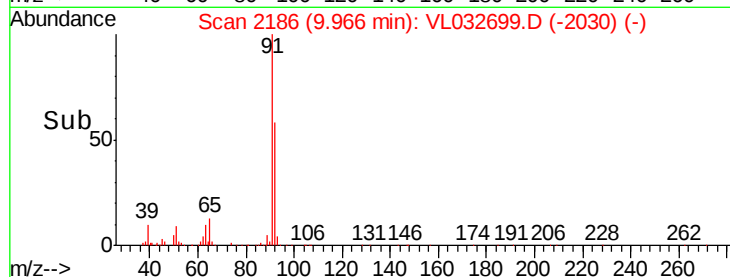
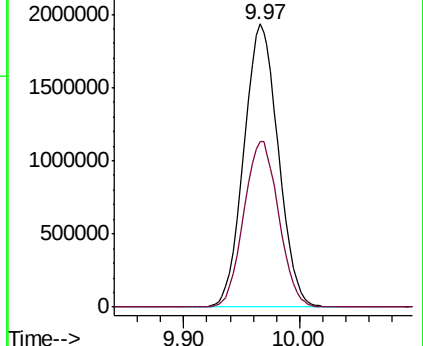
91 100

92 59.4 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.256 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032699.D

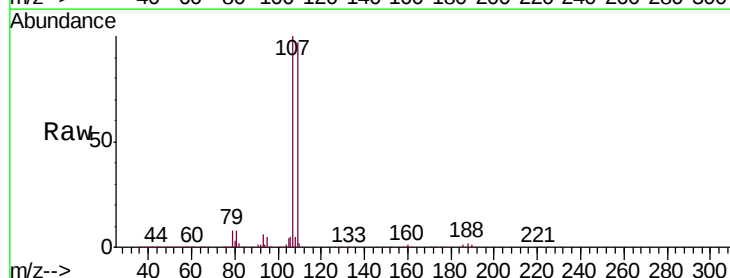
Acq: 30 Oct 2018 13:27

Tgt Ion: 107 Resp: 1941496

Ion Ratio Lower Upper

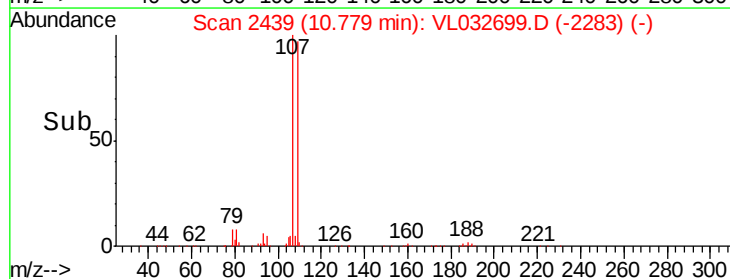
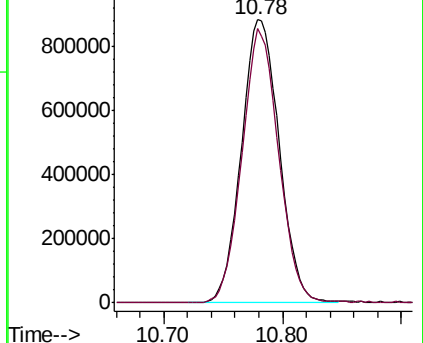
107 100

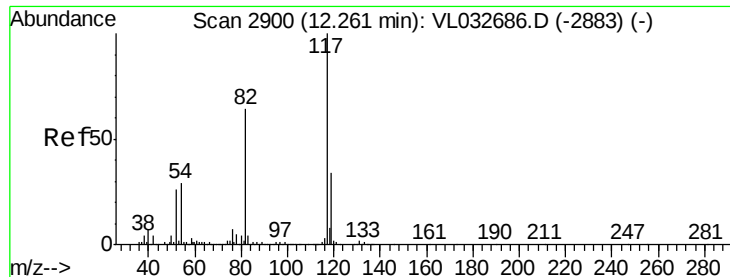
109 96.8 75.3 112.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

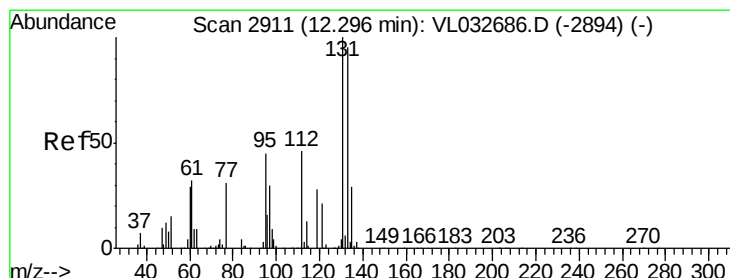
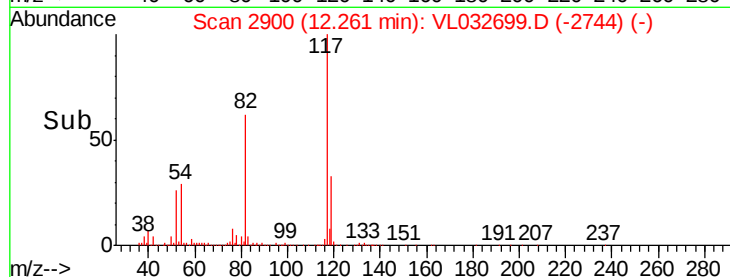
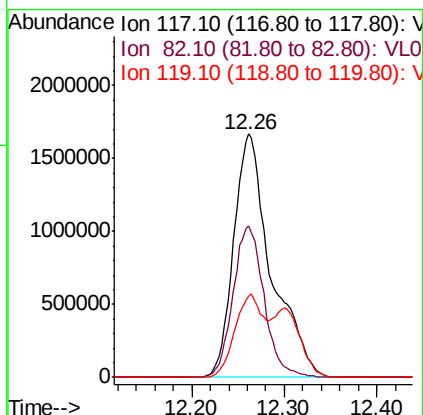
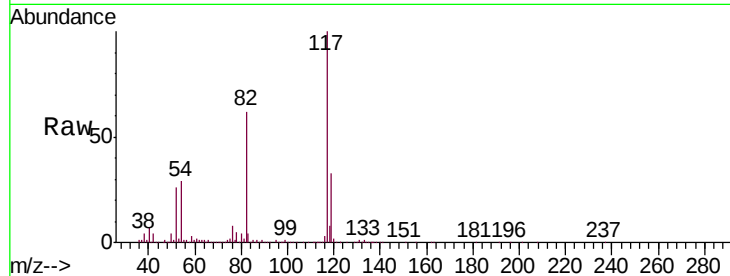




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

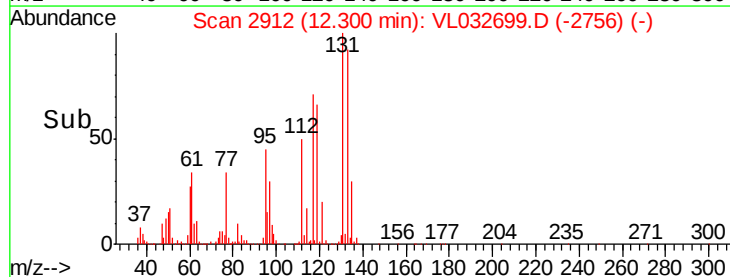
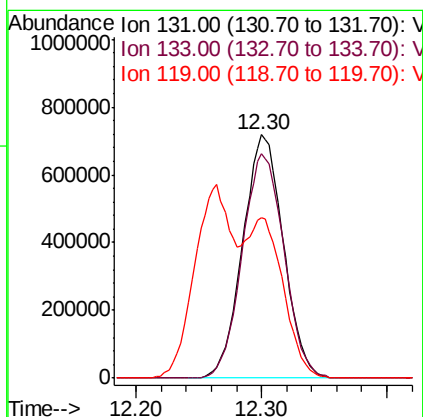
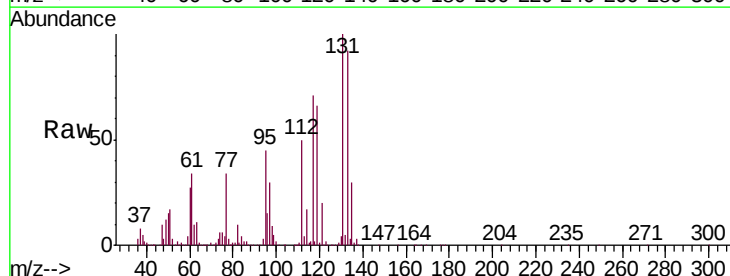
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

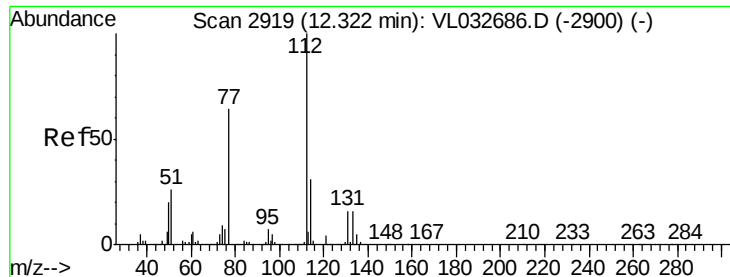
Tgt Ion:117 Resp: 4687648
Ion Ratio Lower Upper
117 100
82 51.4 52.7 79.1#
119 27.0 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.882 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion:131 Resp: 1615692
Ion Ratio Lower Upper
131 100
133 94.9 75.4 113.2
119 64.2 49.1 73.7





#57

Chlorobenzene

Concen: 7.953 ppbv

RT: 12.32 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

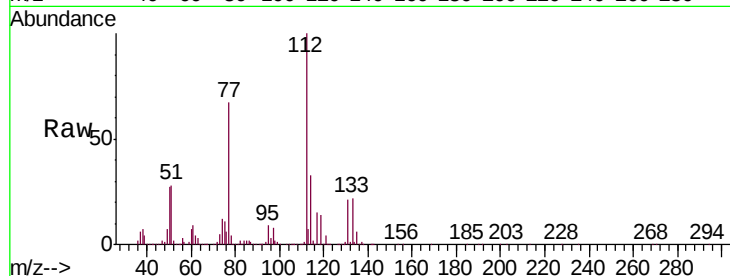
Tgt Ion: 112 Resp: 2741841

Ion Ratio Lower Upper

112 100

77 67.0 56.8 85.2

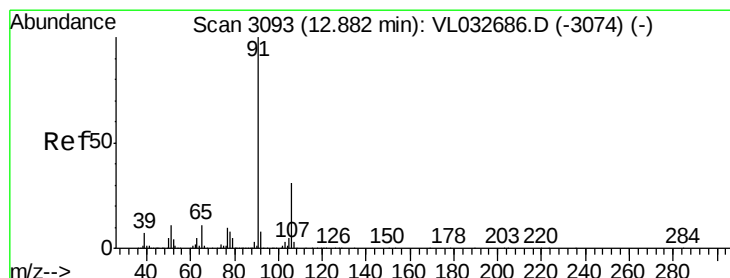
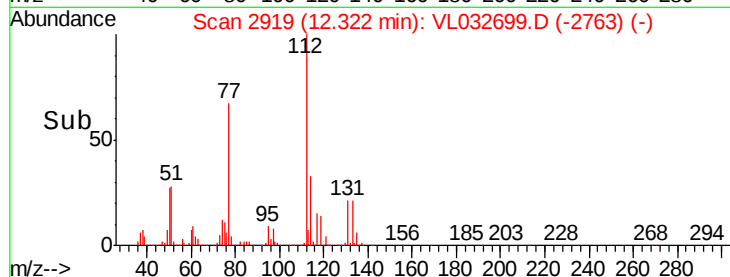
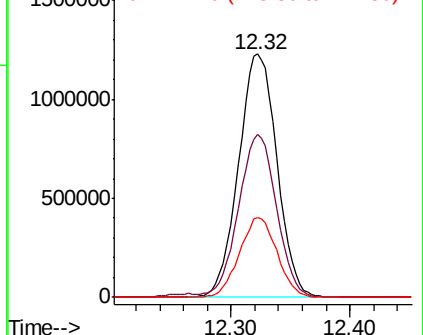
114 32.5 30.3 37.1



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: 8.951 ppbv

RT: 12.88 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL032699.D

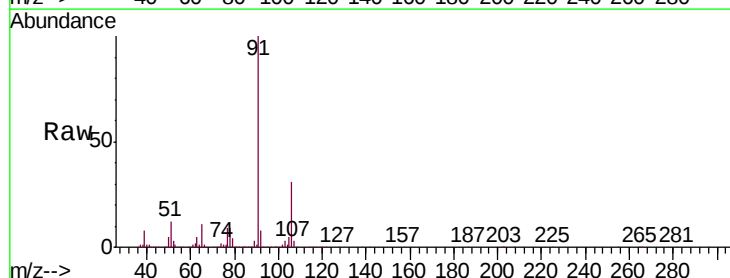
Acq: 30 Oct 2018 13:27

Tgt Ion: 91 Resp: 4874304

Ion Ratio Lower Upper

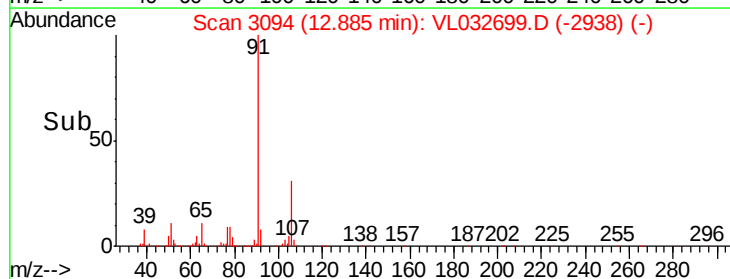
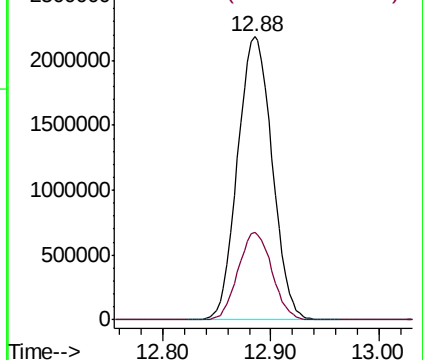
91 100

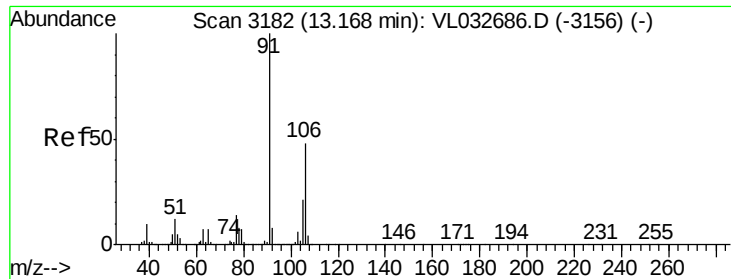
106 31.0 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

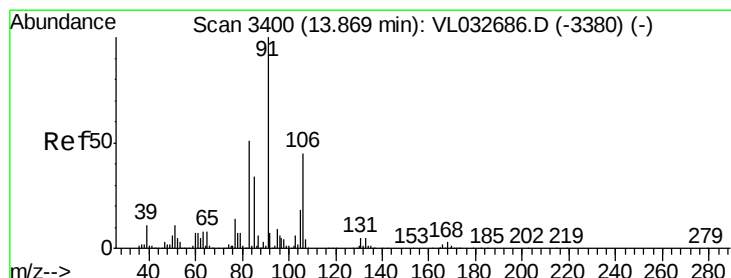
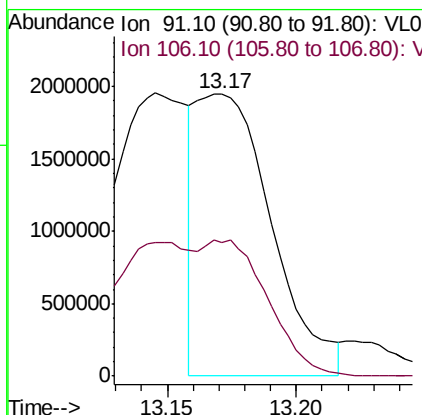
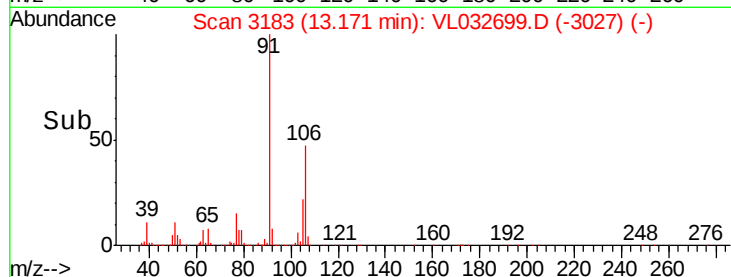
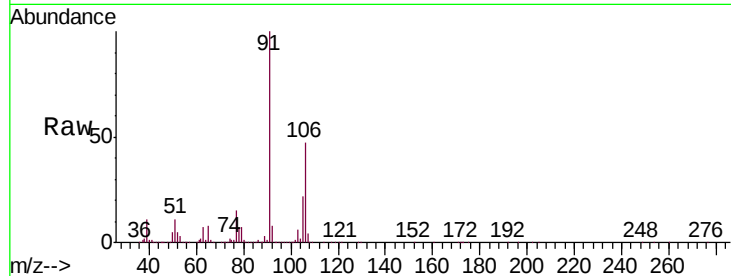




#59
m/p-Xylene
Concen: 8.107 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

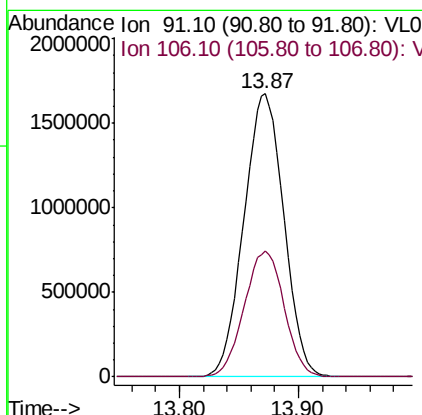
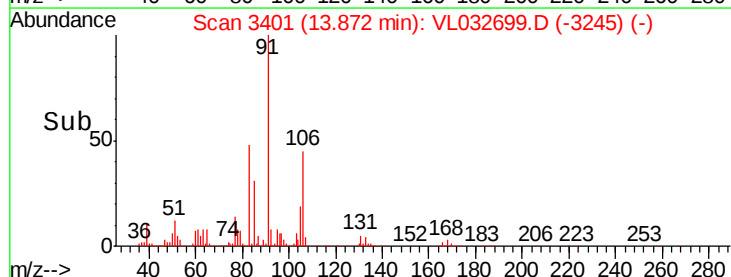
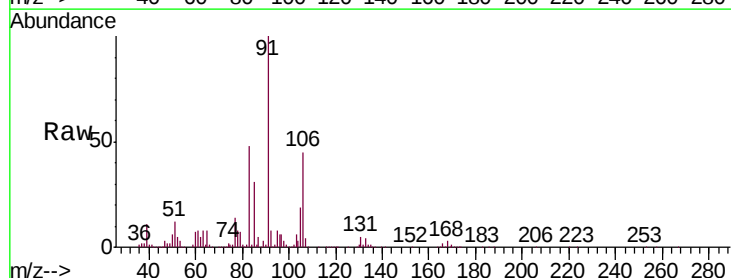
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

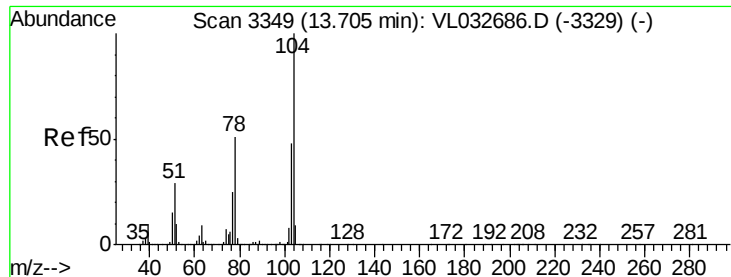
Tgt Ion: 91 Resp: 3931313
Ion Ratio Lower Upper
91 100
106 94.8 35.9 53.9#



#60
o-Xylene
Concen: 8.317 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion: 91 Resp: 3890534
Ion Ratio Lower Upper
91 100
106 44.4 22.1 66.1





#61

Styrene

Concen: 9.558 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

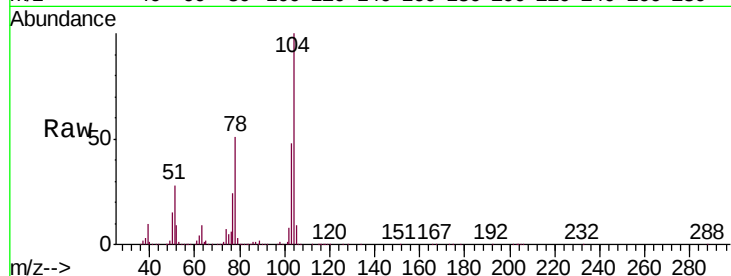
Tgt Ion:104 Resp: 2997792

Ion Ratio Lower Upper

104 100

78 51.2 42.8 64.2

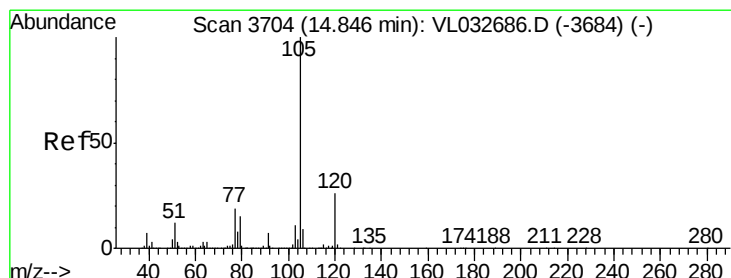
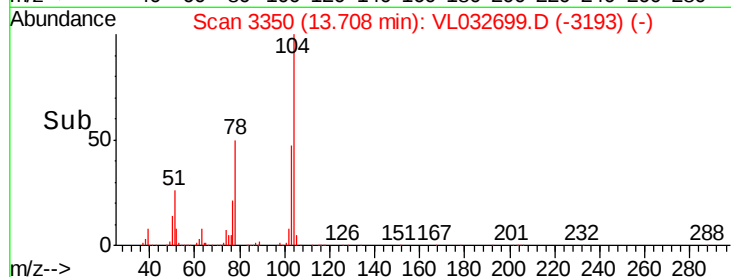
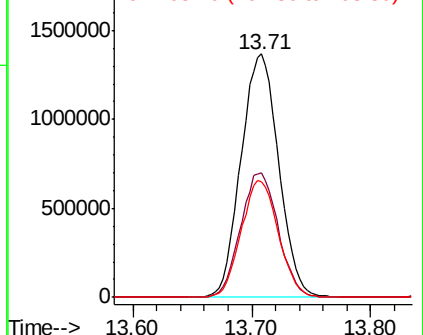
103 47.6 37.4 56.0



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: 8.309 ppbv

RT: 14.85 min Scan# 3705

Delta R.T. 0.01 min

Lab File: VL032699.D

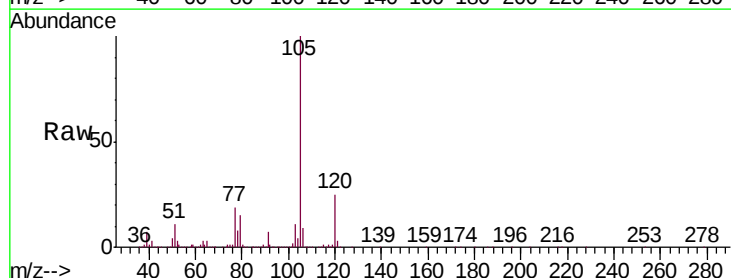
Acq: 30 Oct 2018 13:27

Tgt Ion:105 Resp: 5501074

Ion Ratio Lower Upper

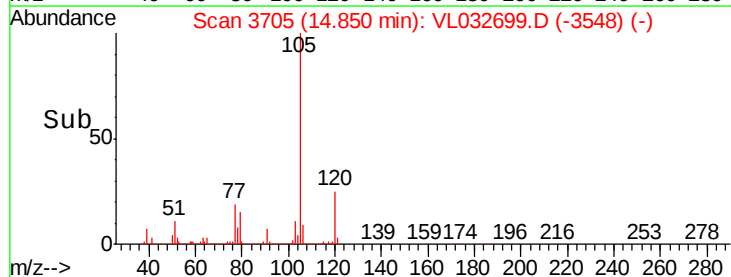
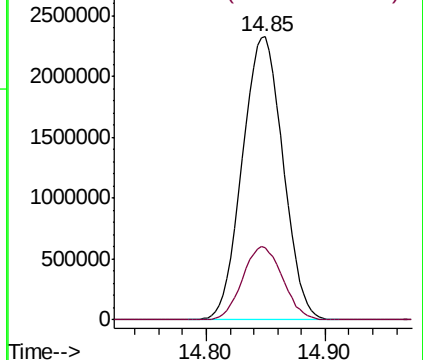
105 100

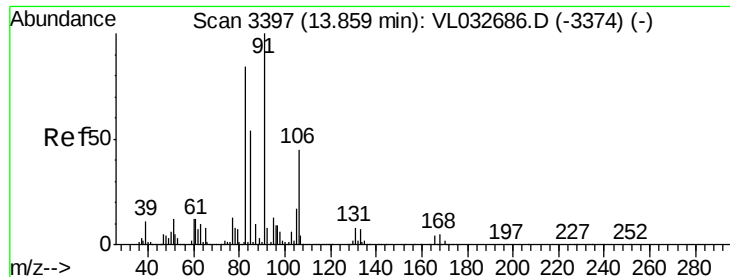
120 25.6 20.5 30.7



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: 7.442 ppbv

RT: 13.86 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

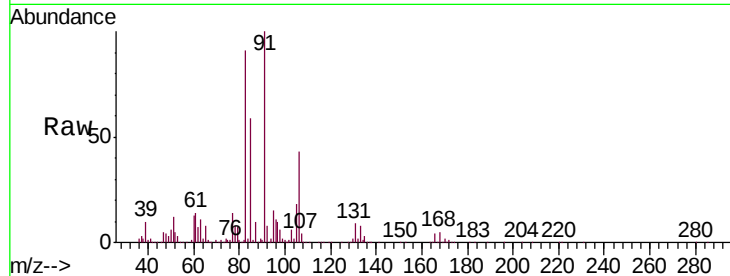
Tgt Ion: 83 Resp: 2727464

Ion Ratio Lower Upper

83 100

131 9.3 4.3 12.9

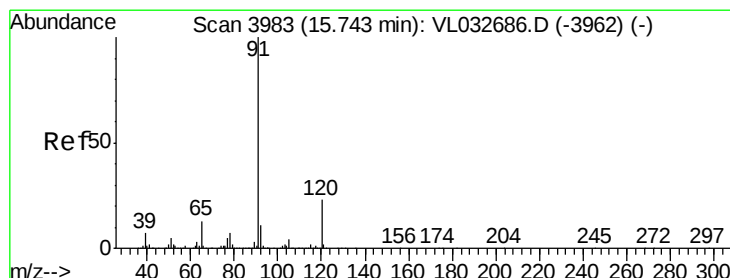
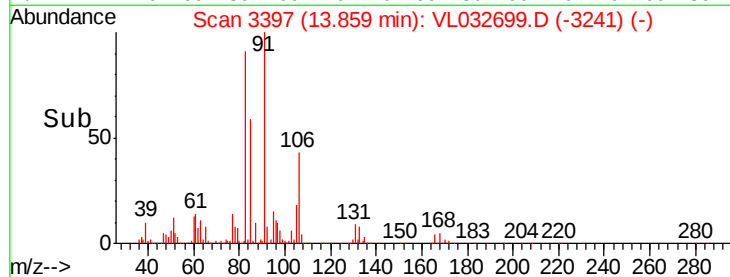
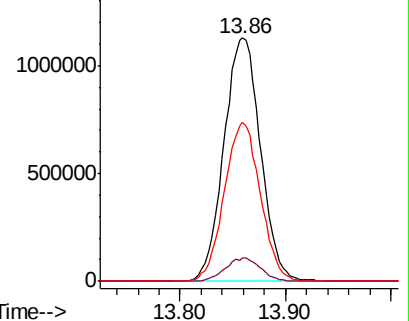
85 64.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL032686.D (-3374) (-)

Ion 131.00 (130.70 to 131.70): VL032686.D (-3374) (-)

Ion 85.00 (84.70 to 85.70): VL032686.D (-3374) (-)



#64

n-propylbenzene

Concen: 8.637 ppbv

RT: 15.74 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL032699.D

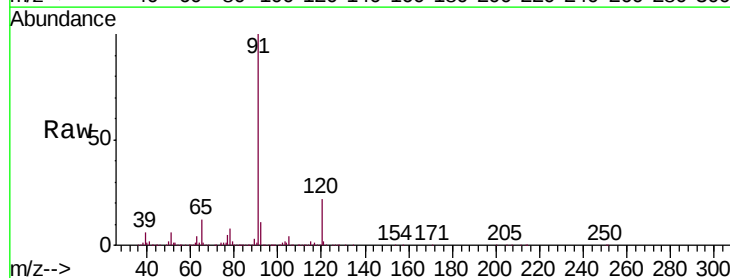
Acq: 30 Oct 2018 13:27

Tgt Ion: 120 Resp: 1421054

Ion Ratio Lower Upper

120 100

91 469.9 390.2 585.2



Abundance Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

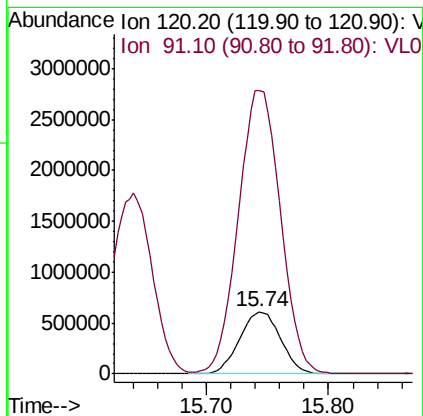
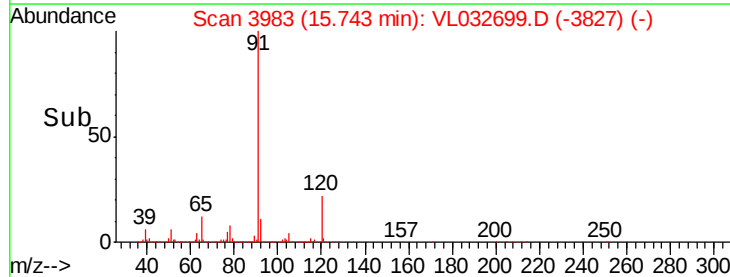
Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

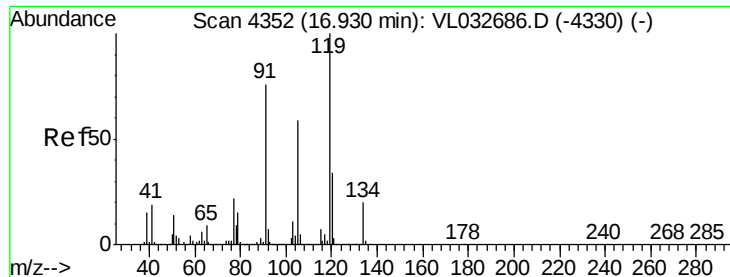
Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

Ion 120.20 (119.90 to 120.90): VL032686.D (-3962) (-)

Ion 91.10 (90.80 to 91.80): VL032686.D (-3962) (-)

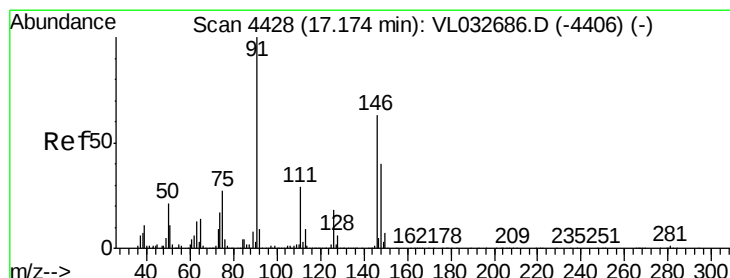
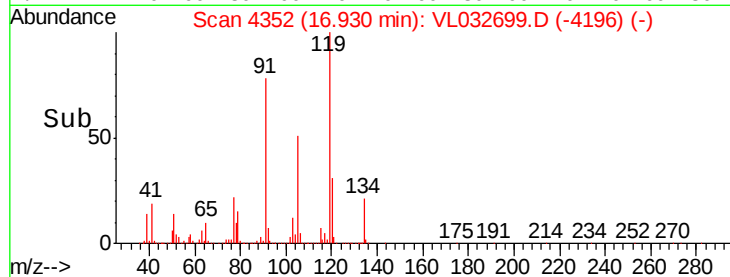
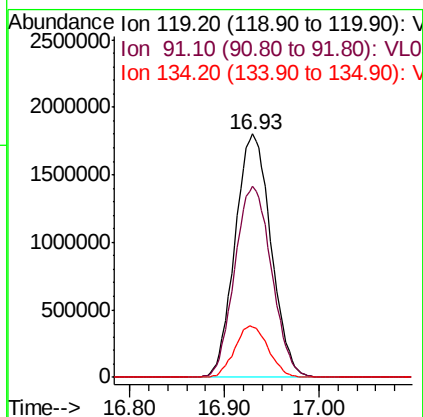
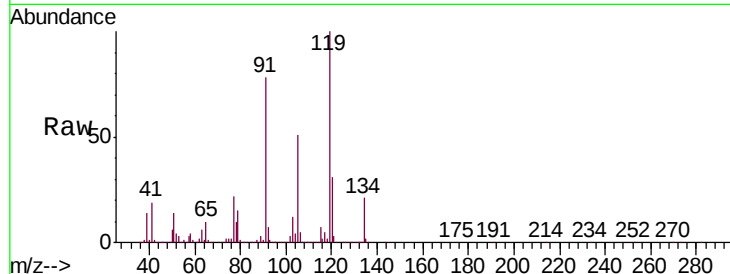




#65
tert-Butylbenzene
Concen: 8.419 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

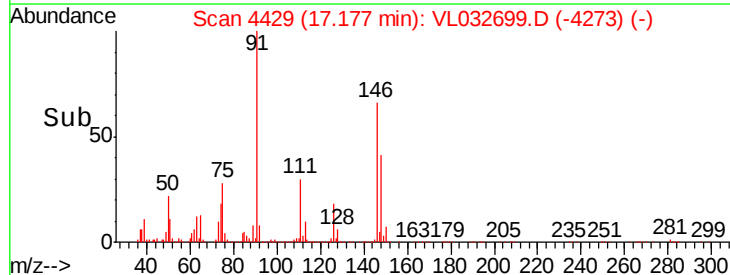
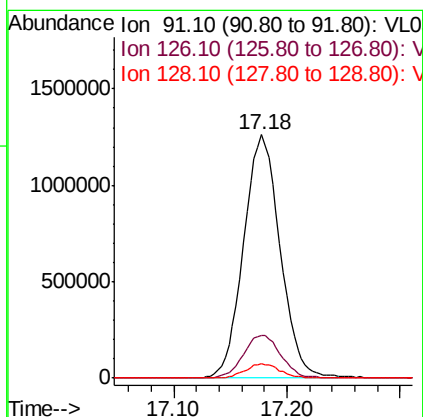
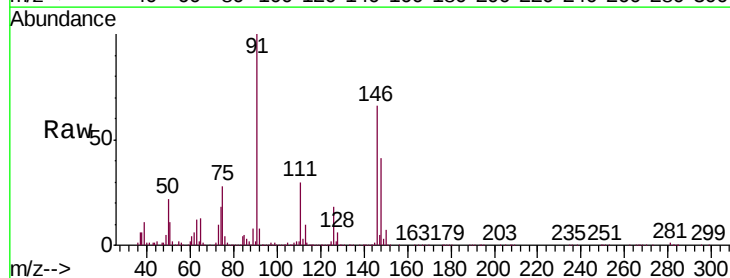
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

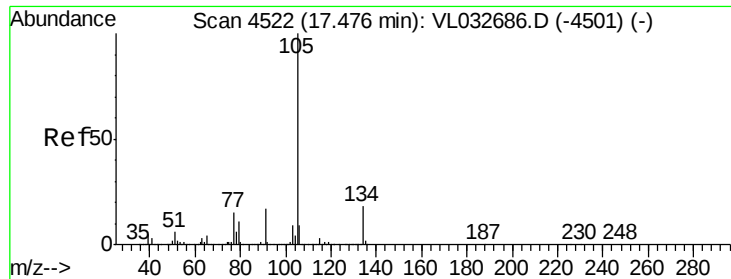
Tgt Ion: 119 Resp: 4747149
Ion Ratio Lower Upper
119 100
91 80.7 67.8 101.8
134 19.9 15.8 23.8



#66
Benzyl Chloride
Concen: 9.741 ppbv
RT: 17.18 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion: 91 Resp: 2835744
Ion Ratio Lower Upper
91 100
126 18.2 13.9 20.9
128 5.7 4.3 6.5

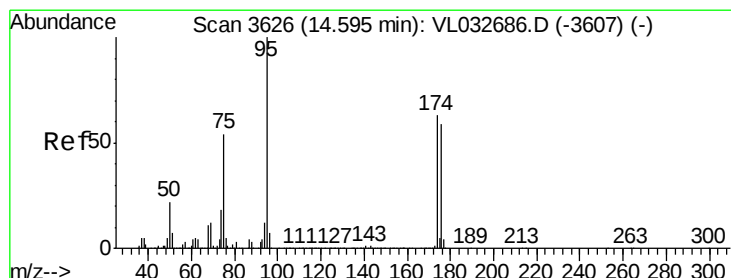
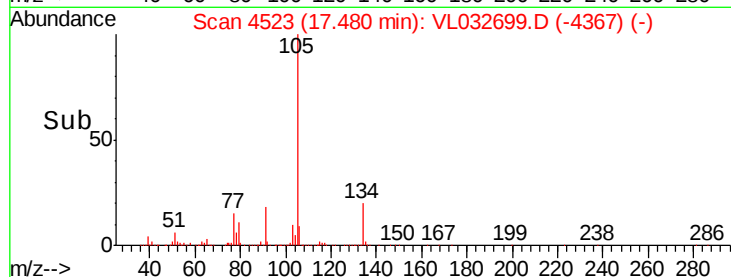
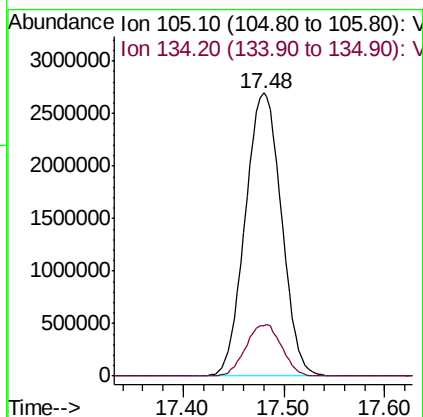
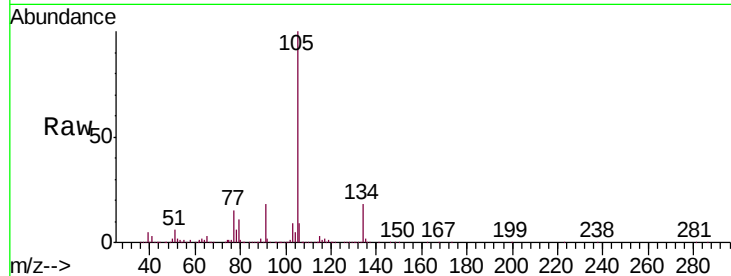




#67
 sec-Butylbenzene
 Concen: 8.359 ppbv
 RT: 17.48 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

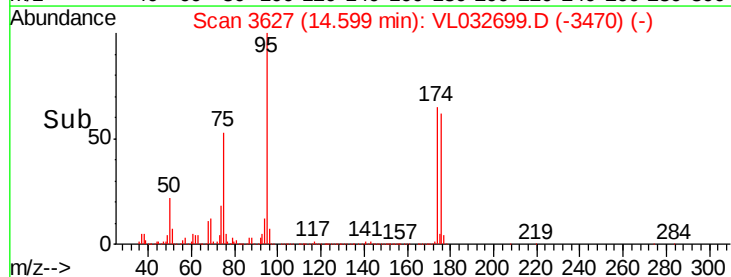
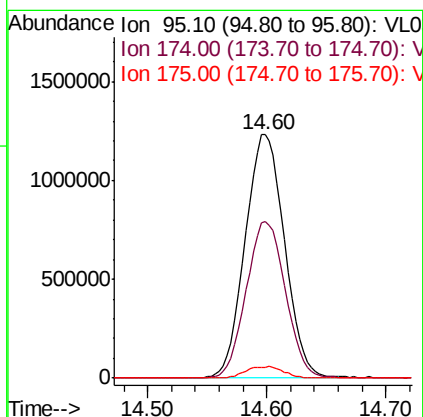
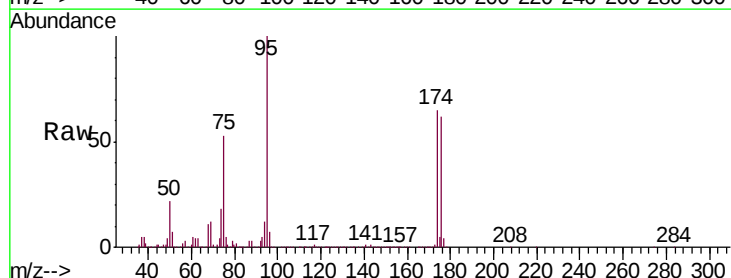
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

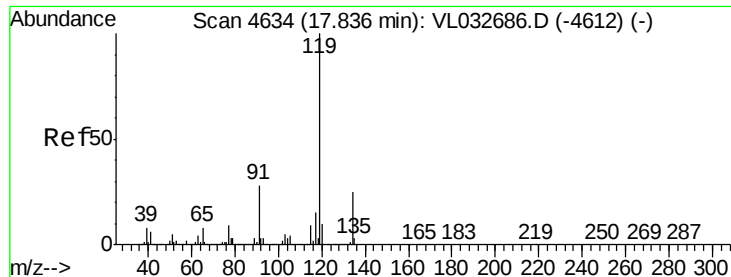
Tgt Ion: 105 Resp: 6703211
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.096 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. 0.01 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion: 95 Resp: 2825941
 Ion Ratio Lower Upper
 95 100
 174 64.3 46.0 69.0
 175 4.7 3.4 5.0

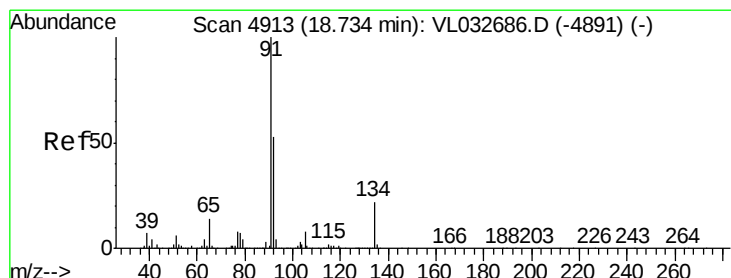
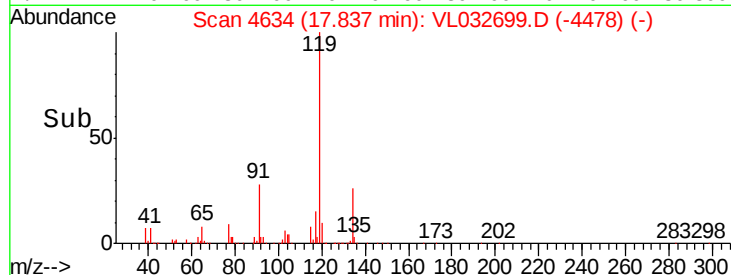
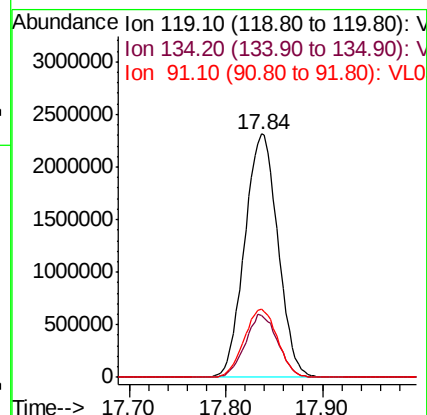
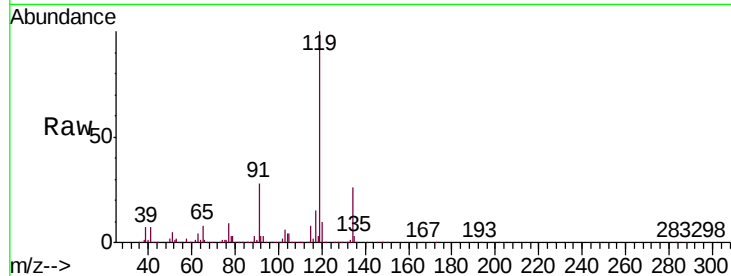




#69
p-Isopropyltoluene
Concen: 8.682 ppbv
RT: 17.84 min Scan# 4634
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

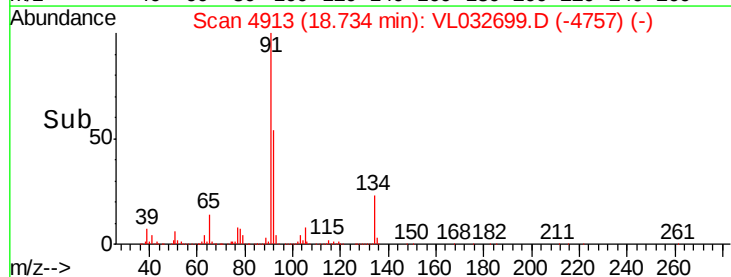
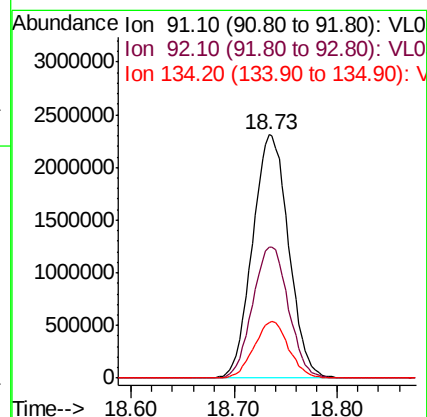
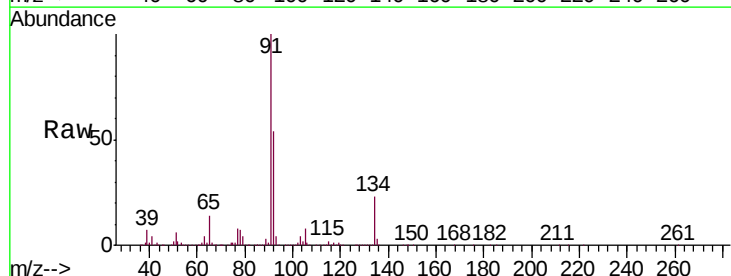
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

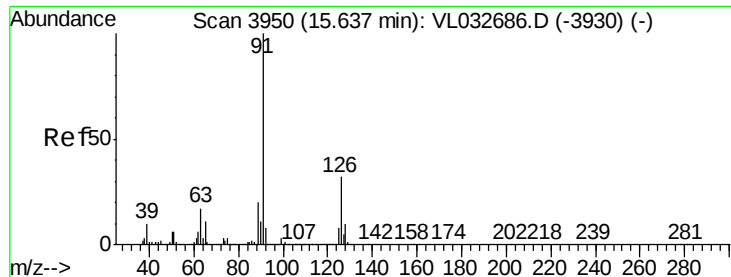
Tgt Ion: 119 Resp: 5516942
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 28.1 24.0 36.0



#70
n-Butylbenzene
Concen: 8.566 ppbv
RT: 18.73 min Scan# 4913
Delta R.T. 0.00 min
Lab File: VL032699.D
Acq: 30 Oct 2018 13:27

Tgt Ion: 91 Resp: 5603962
Ion Ratio Lower Upper
91 100
92 53.7 43.0 64.4
134 22.5 17.0 25.6





#71

2-Chlorotoluene

Concen: 8.721 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. 0.01 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

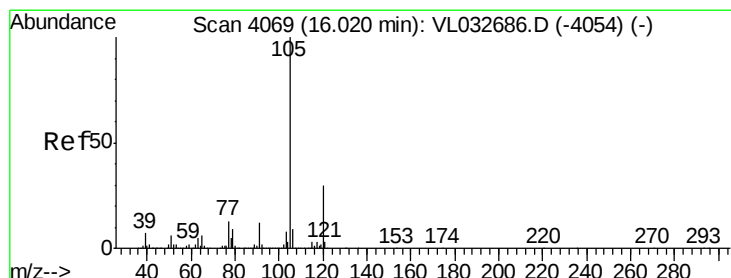
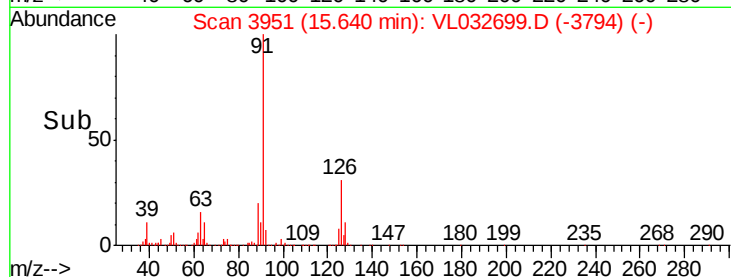
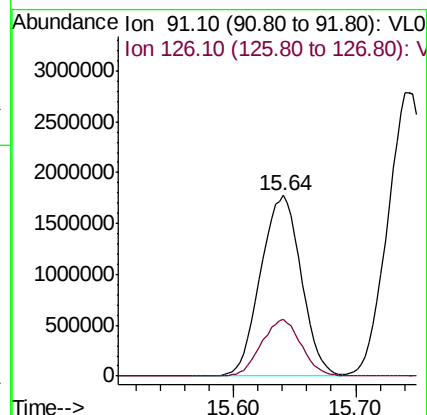
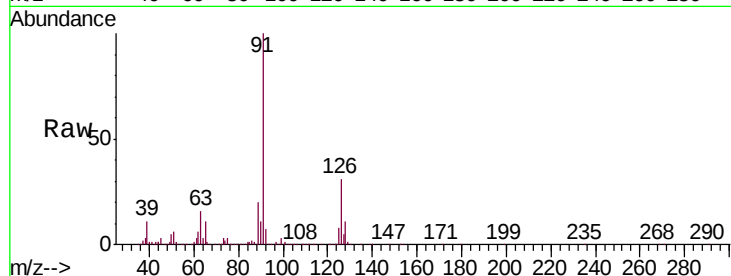
VSTDCCC010

Tgt Ion: 91 Resp: 4103326

Ion Ratio Lower Upper

91 100

126 30.8 11.8 47.4



#72

4-Ethyltoluene

Concen: 8.985 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. 0.01 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Tgt Ion: 105 Resp: 4476394

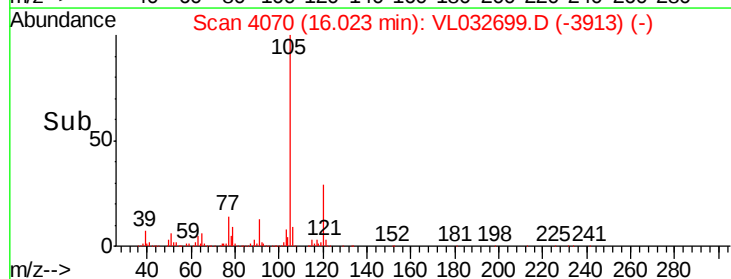
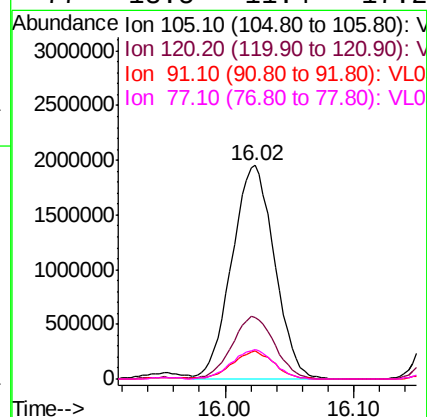
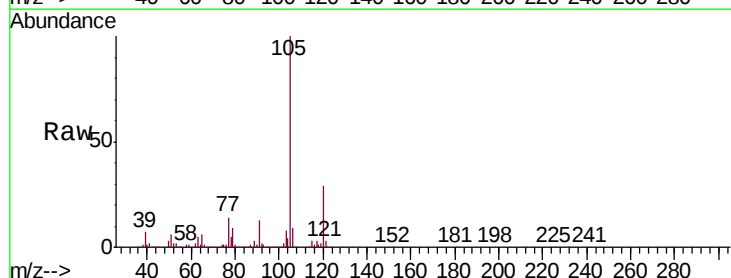
Ion Ratio Lower Upper

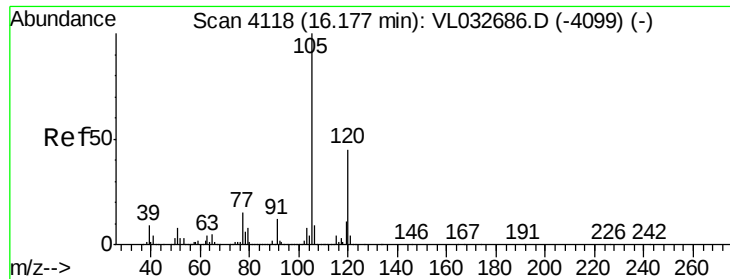
105 100

120 29.1 23.7 35.5

91 12.7 10.4 15.6

77 13.5 11.4 17.2

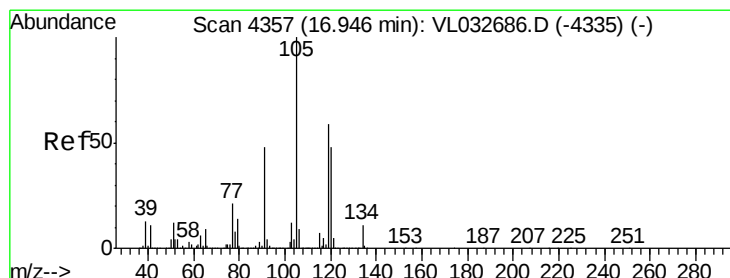
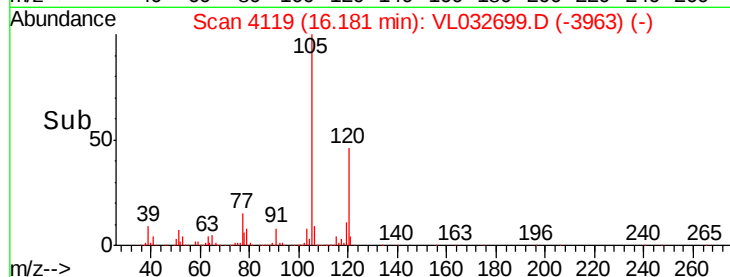
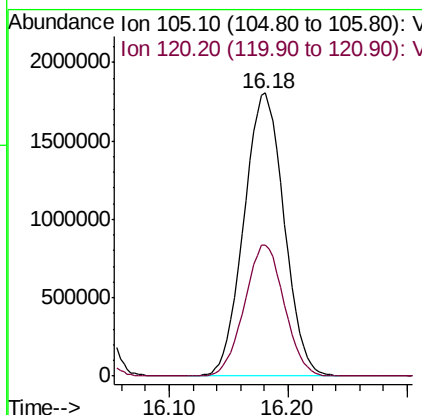
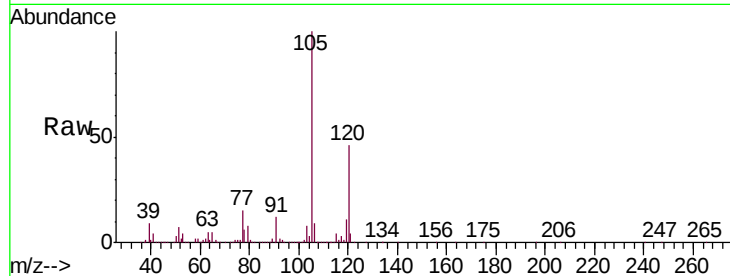




#73
 1,3,5-Trimethylbenzene
 Concen: 8.656 ppbv
 RT: 16.18 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

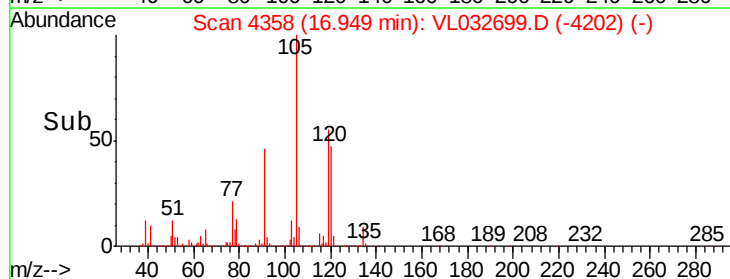
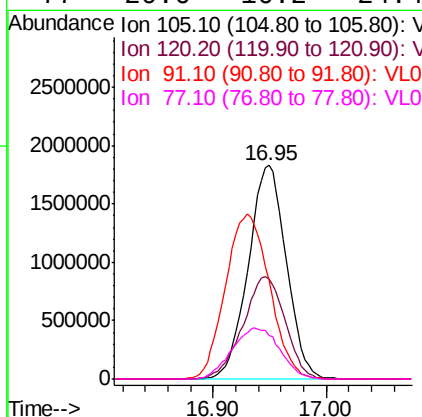
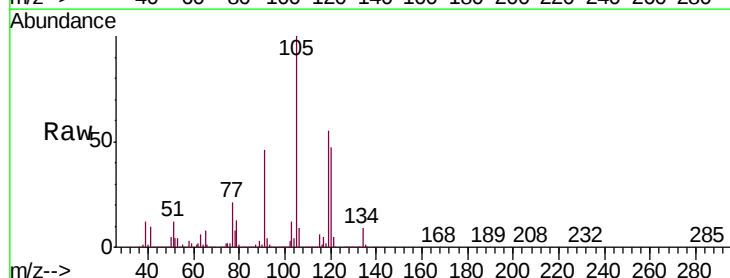
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

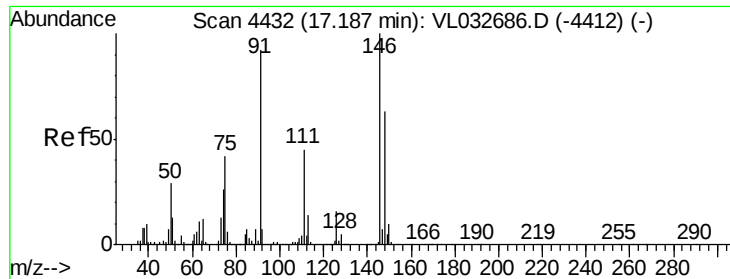
Tgt Ion:105 Resp: 4200680
 Ion Ratio Lower Upper
 105 100
 120 46.5 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.250 ppbv
 RT: 16.95 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion:105 Resp: 4275479
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.8 53.8
 91 46.0 33.2 49.8
 77 20.6 16.2 24.4

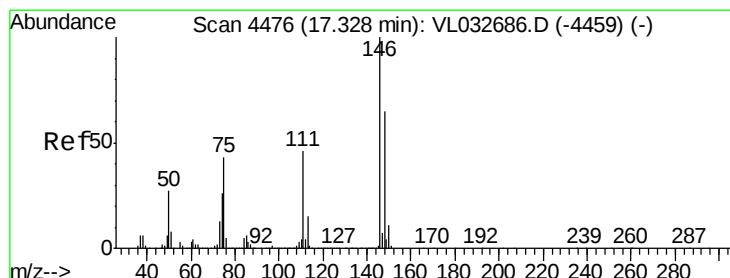
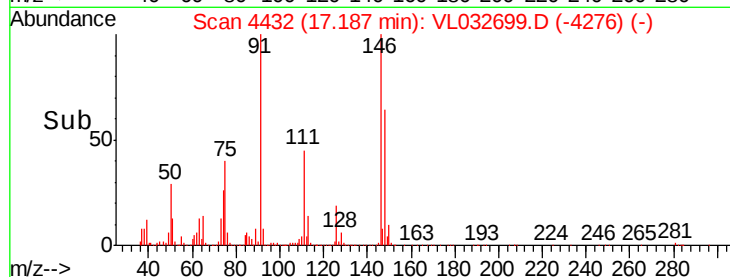
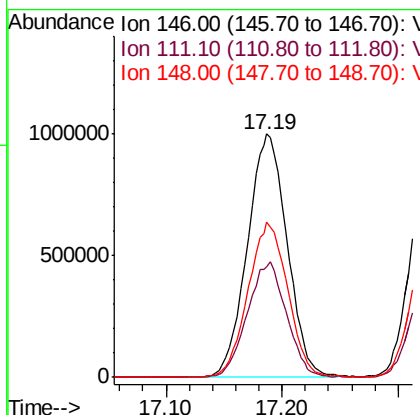
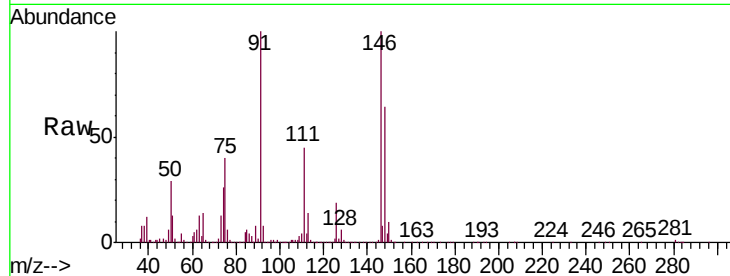




#75
 1,3-Dichlorobenzene
 Concen: 7.992 ppbv
 RT: 17.19 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

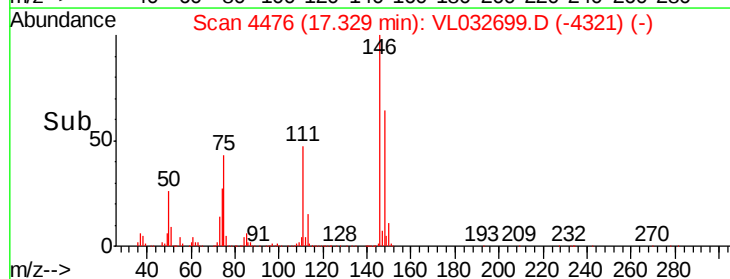
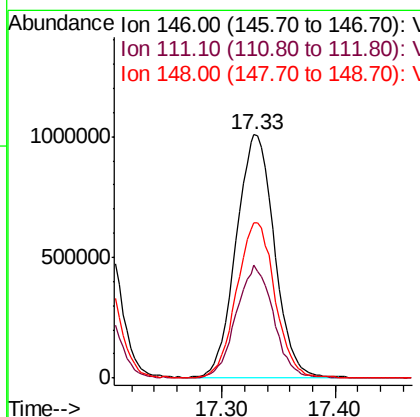
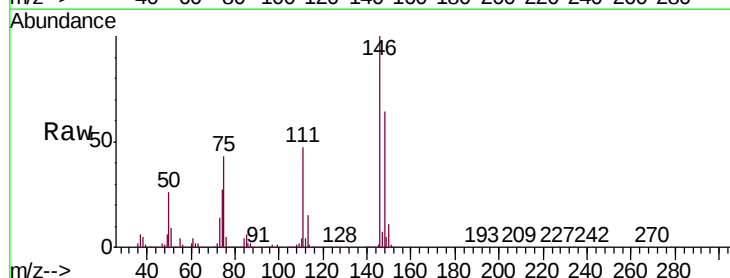
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

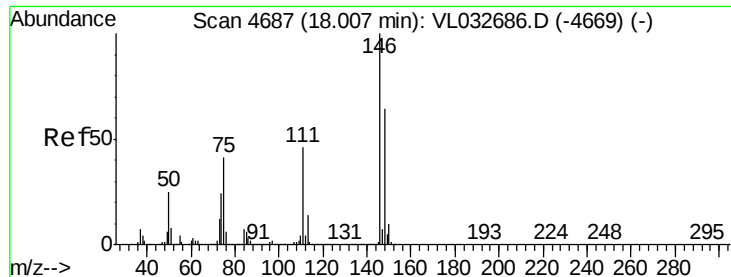
Tgt Ion:146 Resp: 2381628
 Ion Ratio Lower Upper
 146 100
 111 46.8 24.4 73.2
 148 63.9 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 8.537 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion:146 Resp: 2347800
 Ion Ratio Lower Upper
 146 100
 111 45.4 23.7 71.1
 148 64.7 32.1 96.3

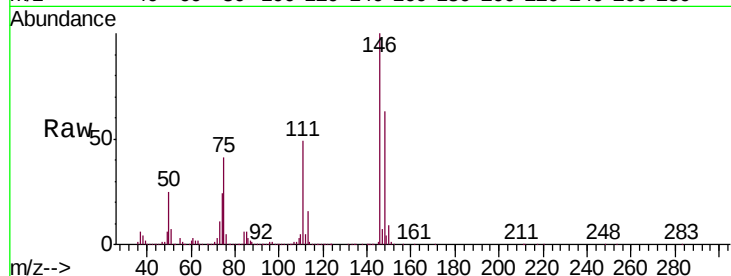




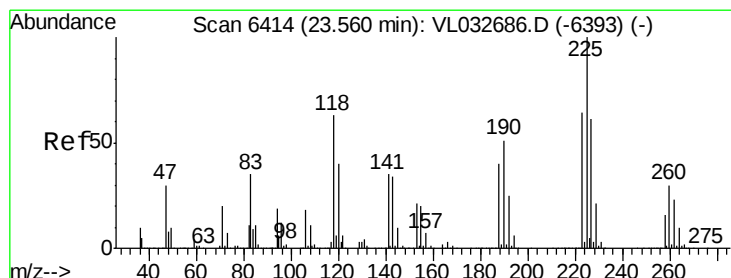
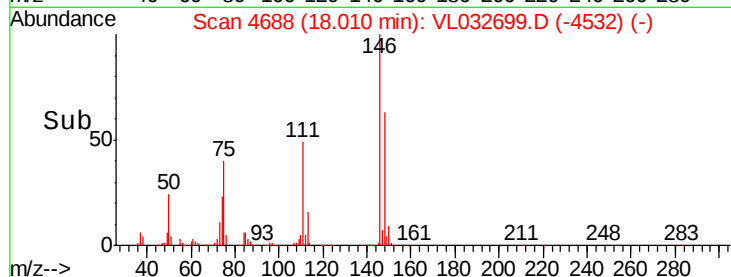
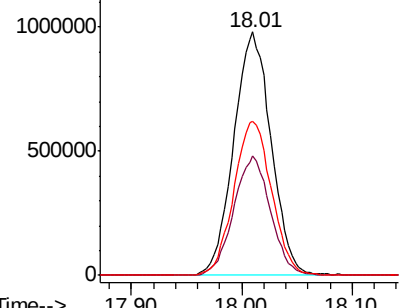
#77
 1,2-Dichlorobenzene
 Concen: 8.161 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2304082
 Ion Ratio Lower Upper
 146 100
 111 48.2 25.3 75.8
 148 64.0 31.9 95.9

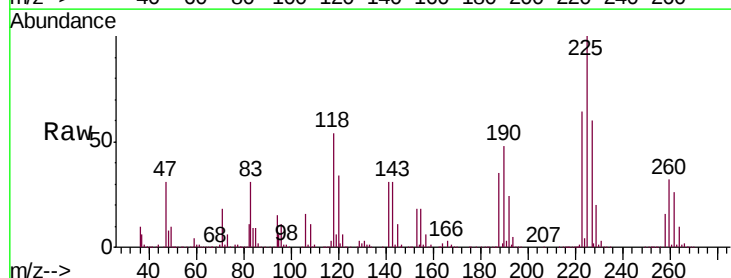


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

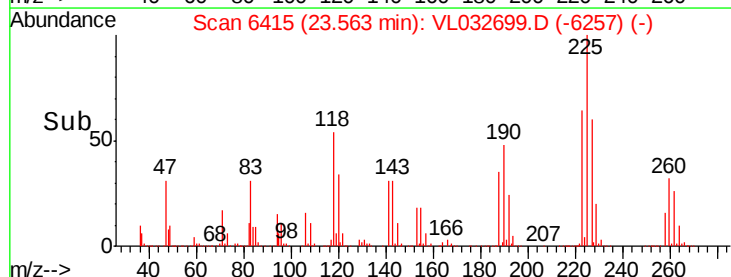
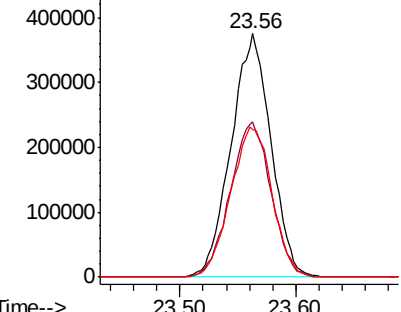


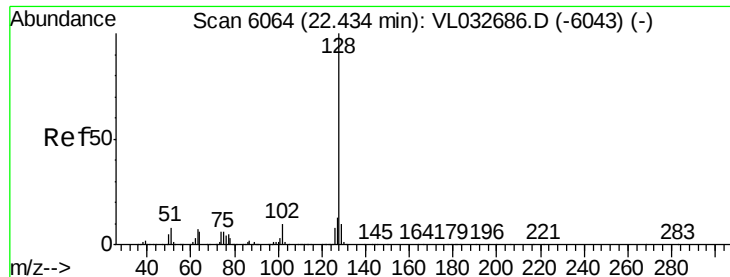
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.717 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Tgt Ion:225 Resp: 896082
 Ion Ratio Lower Upper
 225 100
 223 65.2 50.7 76.1
 227 64.2 50.7 76.1



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.384 ppbv

RT: 22.43 min Scan# 6064

Delta R.T. -0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

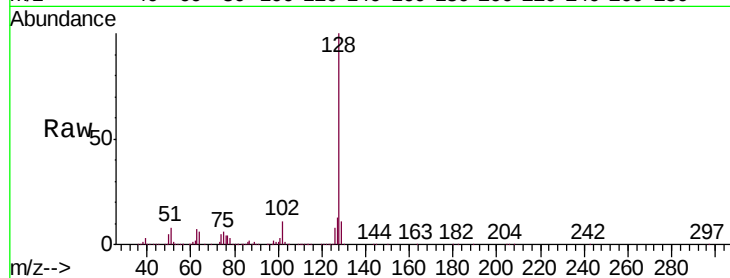
Tgt Ion:128 Resp: 3344776

Ion Ratio Lower Upper

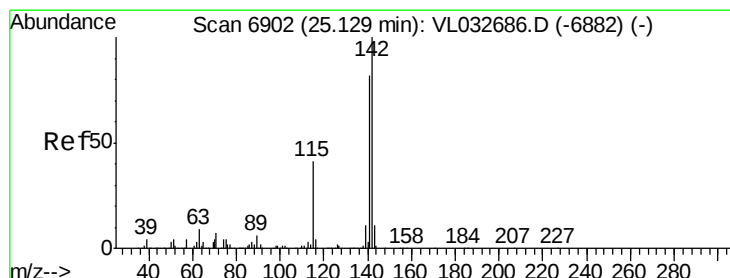
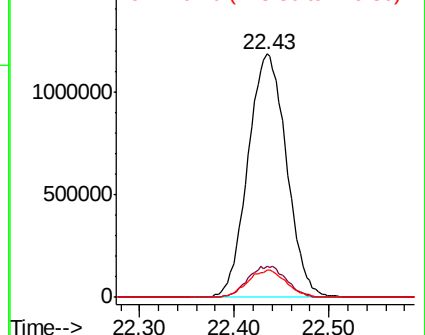
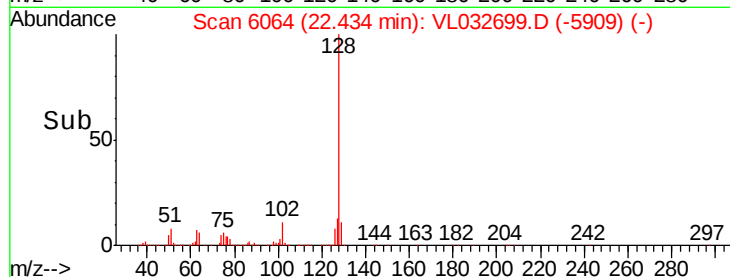
128 100

127 13.0 10.3 15.5

129 11.0 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: 15.143 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.00 min

Lab File: VL032699.D

Acq: 30 Oct 2018 13:27

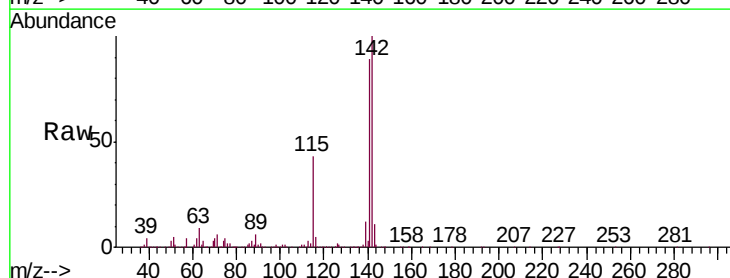
Tgt Ion:142 Resp: 1186129

Ion Ratio Lower Upper

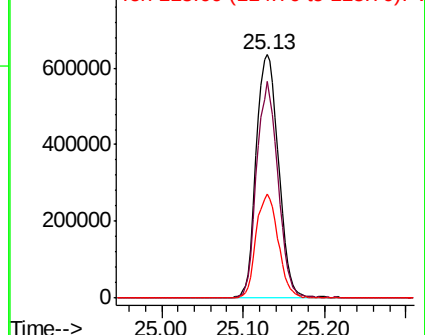
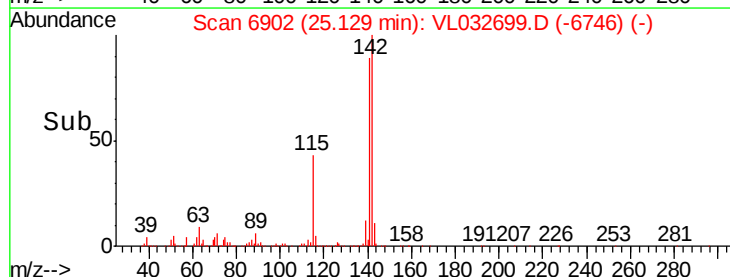
142 100

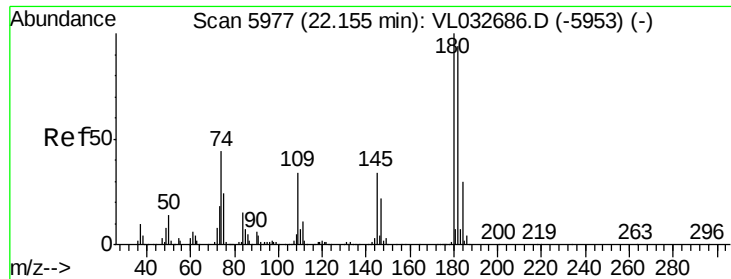
141 85.1 67.5 101.3

115 42.4 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

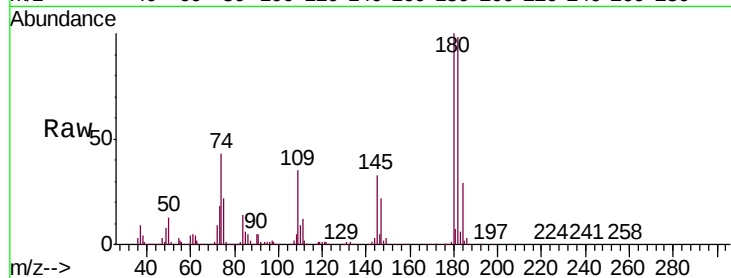




#81
 1,2,4-Trichlorobenzene
 Concen: 9.771 ppbv
 RT: 22.16 min Scan# 5979
 Delta R.T. 0.01 min
 Lab File: VL032699.D
 Acq: 30 Oct 2018 13:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1630003
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.5 114.7
 184 30.6 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

