

Data File : VL032514.D

Acq On : 24 Sep 2018 16:26

Operator : SY/AP

Sample : VSTDICCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Sep 24 18:29:30 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 21 02:39:49 2018

QLast Update : Fri Sep 21 02:39:49 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1578732	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3645194	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3988212	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2799485	9.45	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	1290799	6.392	ppbv	100
3) Chlorodifluoromethane	3.03	51	1196461	8.372	ppbv	100
4) Chloromethane	3.19	50	702123	8.114	ppbv	98
5) Vinyl Chloride	3.31	62	682119	7.987	ppbv	99
6) Bromomethane	3.53	94	419370	9.354	ppbv	98
7) Chloroethane	3.62	64	254331	8.603	ppbv	97
8) Dichlorotetrafluoroethane	3.24	85	1436116	8.013	ppbv	100
9) Propene	3.05	41	567878	9.851	ppbv	99
10) Heptane	8.28	43	2219784	10.733	ppbv	100
11) Trichlorofluoromethane	4.03	101	1515145	8.321	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1266820	10.267	ppbv	100
13) Ethanol	3.67	45	146207	8.136	ppbv	99
14) Bromoethene	3.81	108	488371	9.342	ppbv	100
15) Acetone	3.92	43	1189697	8.368	ppbv	99
16) 1,3-Butadiene	3.38	39	552949	8.265	ppbv	98
17) tert-Butyl alcohol	4.38	59	146678	6.704	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	628753	11.150	ppbv	97
19) Isopropyl Alcohol	4.04	45	917046	9.833	ppbv #	98
20) Methylene Chloride	4.43	84	553504	10.210	ppbv	96
21) Allyl Chloride	4.50	41	1094443	11.590	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	591712	9.670	ppbv	100
23) Vinyl Acetate	5.18	43	2629629	11.159	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1906503	9.819	ppbv	99
25) Ethyl Acetate	5.80	43	3215767	9.578	ppbv	100
26) Hexane	5.81	57	1473794	9.804	ppbv	98
27) Carbon Disulfide	4.64	76	1596260	11.503	ppbv	100
28) Methyl tert-Butyl Ether	5.14	73	1981809	10.737	ppbv	99
29) Chloroform	5.88	83	2116679	9.235	ppbv	98
30) Cyclohexane	7.28	84	1325246	12.039	ppbv	100
31) cis-1,2-Dichloroethene	5.67	61	1512530	11.112	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	2283735	10.689	ppbv	99
34) 2-Butanone	5.35	43	2193451	9.059	ppbv	99
35) Carbon Tetrachloride	7.16	117	2299498	9.386	ppbv	99
36) Benzene	7.04	78	2987618	9.631	ppbv	100
37) 1,2-Dichloroethane	6.44	62	1689550	8.888	ppbv	100
38) Trichloroethene	7.99	130	1115129	9.463	ppbv	99
39) 1,2-Dichloropropane	7.77	63	1331648	10.033	ppbv	96
40) 1,4-Dioxane	7.98	88	405009	10.171	ppbv #	1
41) Tetrahydrofuran	6.18	42	1294255	9.819	ppbv	99
42) Bromodichloromethane	7.95	83	2578927	9.836	ppbv	95
43) Methyl Methacrylate	8.17	69	1344476	10.216	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 21 02:39:49 2018
QLast Update : Fri Sep 21 02:39:49 2018
Response via : Initial Calibration

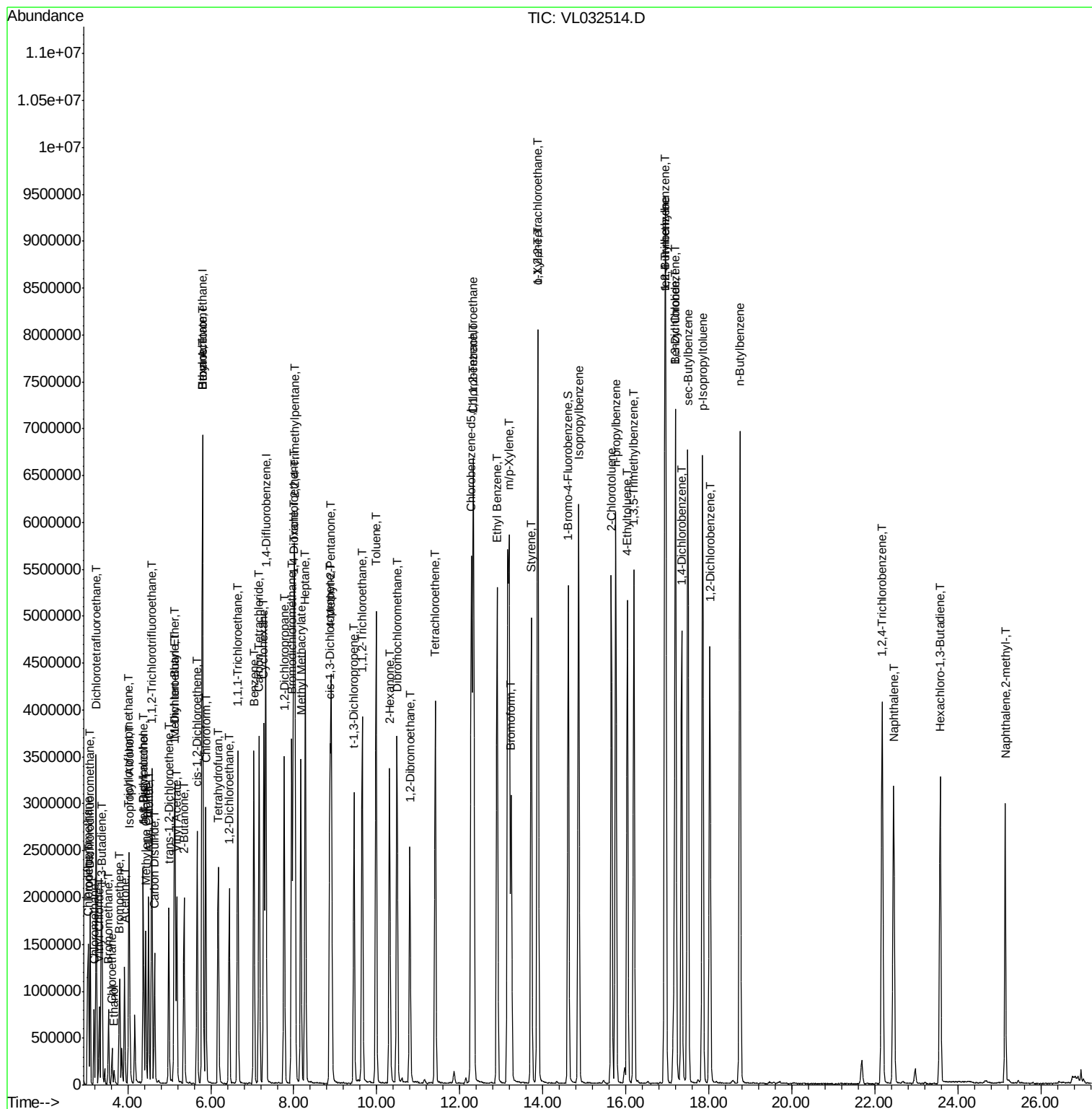
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	5726508	9.548	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1898079	13.478	ppbv	96
46) cis-1,3-Dichloropropene	8.87	75	2078143	11.548	ppbv	98
47) 1,1,2-Trichloroethane	9.65	97	1417883	10.048	ppbv	99
48) Dibromochloromethane	10.48	129	2324666	11.895	ppbv	100
49) Bromoform	13.24	173	1787232	10.521	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3552566	9.740	ppbv	100
51) 2-Hexanone	10.30	43	3151451	13.414	ppbv #	100
52) Tetrachloroethene	11.41	164	1005658	10.455	ppbv	99
53) Toluene	9.98	91	3986756	12.295	ppbv	99
54) 1,2-Dibromoethane	10.79	107	2144520	11.319	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.32	131	1543671	8.585	ppbv #	60
57) Chlorobenzene	12.34	112	2750412	8.629	ppbv	99
58) Ethyl Benzene	12.90	91	4925674	10.321	ppbv	99
59) m/p-Xylene	13.18	91	3999711	9.400	ppbv #	30
60) o-Xylene	13.88	91	3919495	9.378	ppbv	99
61) Styrene	13.72	104	2982404	11.022	ppbv	99
62) Isopropylbenzene	14.86	105	5577384	9.492	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2984639	7.987	ppbv	100
64) n-propylbenzene	15.76	120	1452912	9.459	ppbv	99
65) tert-Butylbenzene	16.94	119	4641842	9.168	ppbv	100
66) Benzyl Chloride	17.19	91	2993606	10.614	ppbv	100
67) sec-Butylbenzene	17.49	105	6896186	9.057	ppbv	99
69) p-Isopropyltoluene	17.85	119	5507299	9.333	ppbv	100
70) n-Butylbenzene	18.75	91	6051700	9.047	ppbv	99
71) 2-Chlorotoluene	15.65	91	4398191	9.798	ppbv	99
72) 4-Ethyltoluene	16.03	105	4567145	10.008	ppbv	100
73) 1,3,5-Trimethylbenzene	16.19	105	4361620	9.540	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	4322532	8.648	ppbv	96
75) 1,3-Dichlorobenzene	17.20	146	2442212	8.235	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2475015	8.994	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2415077	8.440	ppbv	100
78) Hexachloro-1,3-Butadiene	23.57	225	811002	7.586	ppbv	100
79) Naphthalene	22.45	128	4056752	9.981	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	1536155	14.204	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1928583	9.421	ppbv	99

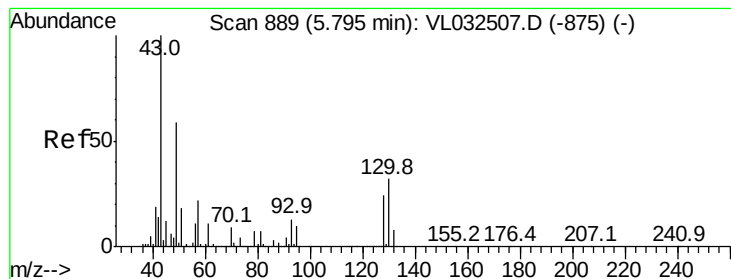
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

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MSVOA_L

ClientSampleId :

VSTDICCC010

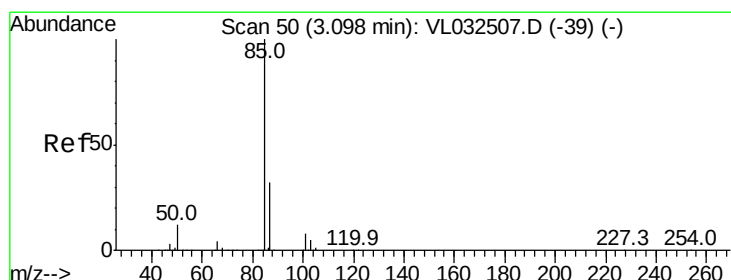
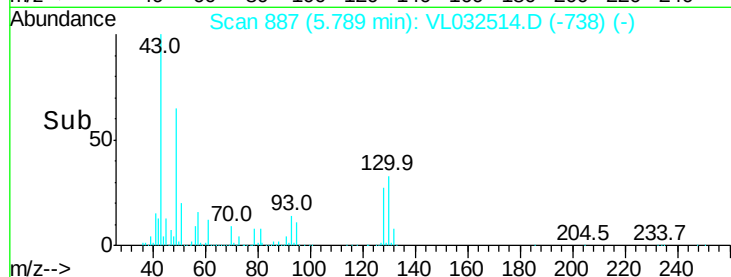
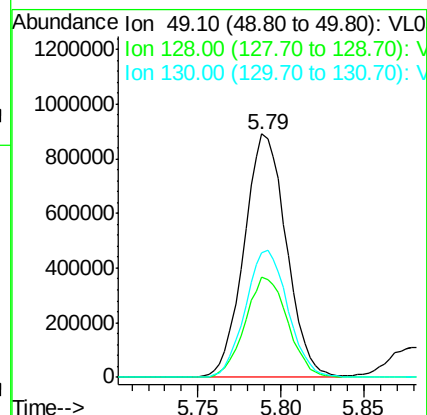
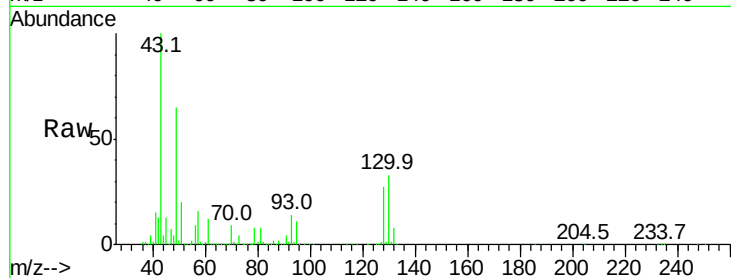
Tgt Ion: 49 Resp: 1578732

Ion Ratio Lower Upper

49 100

128 41.9 20.7 62.1

130 52.9 26.6 79.7



#2

Dichlorodifluoromethane

Concen: 6.392 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032514.D

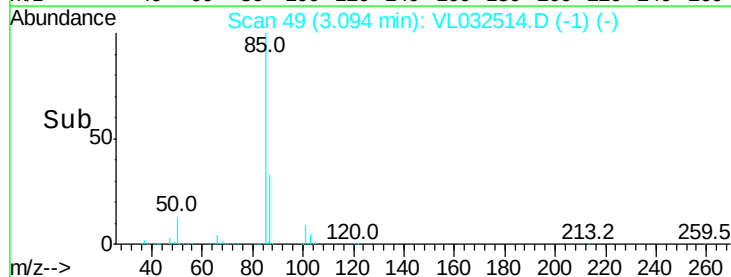
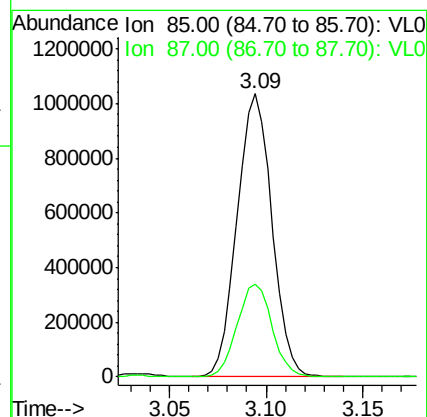
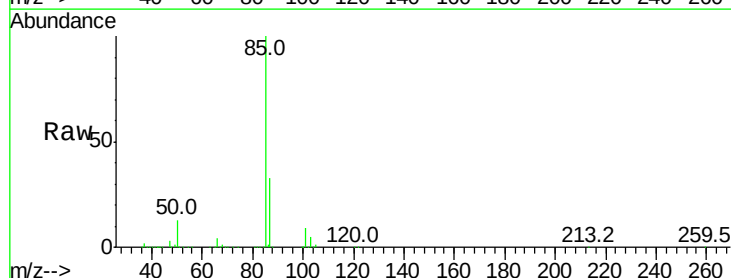
Acq: 24 Sep 2018 16:26

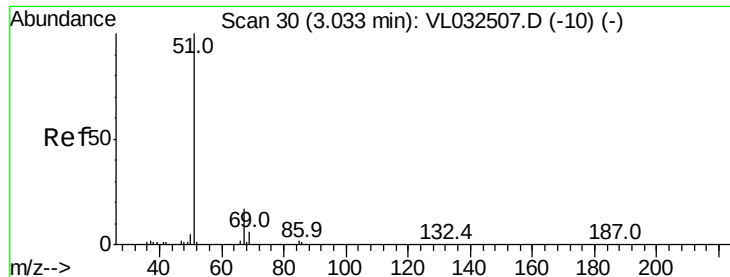
Tgt Ion: 85 Resp: 1290799

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4





#3

Chlorodifluoromethane

Concen: 8.372 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

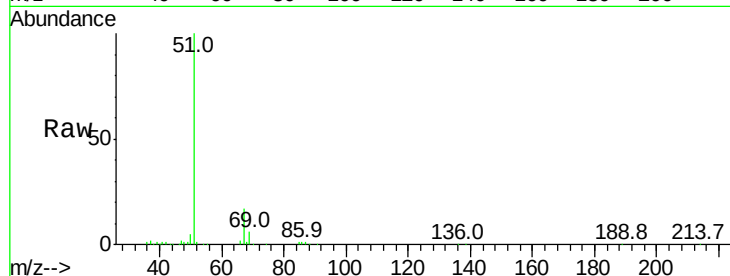
VSTDICCC010

Tgt Ion: 51 Resp: 1196461

Ion Ratio Lower Upper

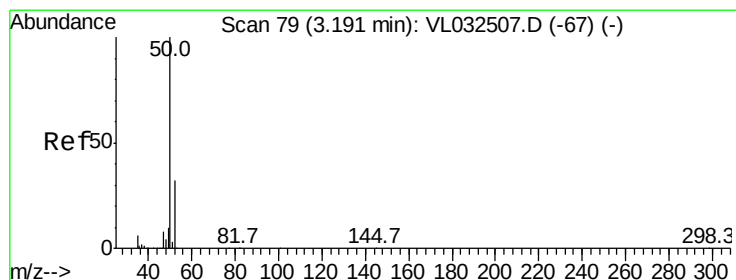
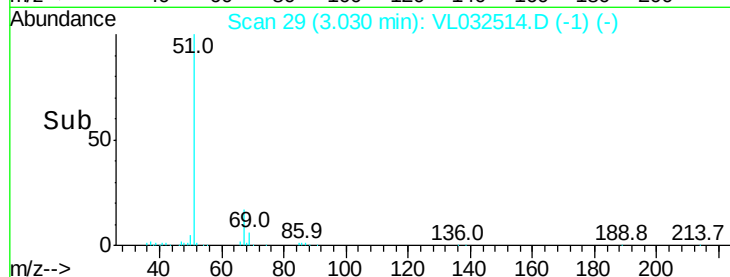
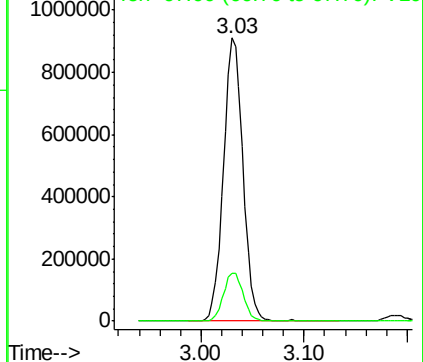
51 100

67 17.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.114 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032514.D

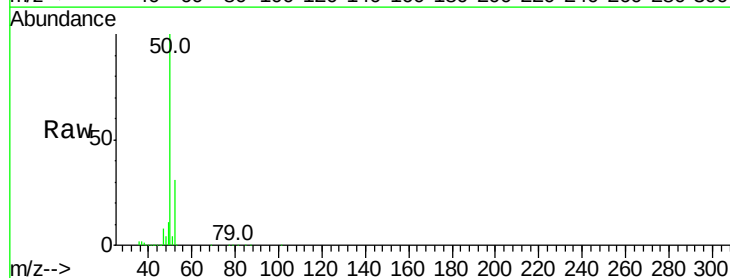
Acq: 24 Sep 2018 16:26

Tgt Ion: 50 Resp: 702123

Ion Ratio Lower Upper

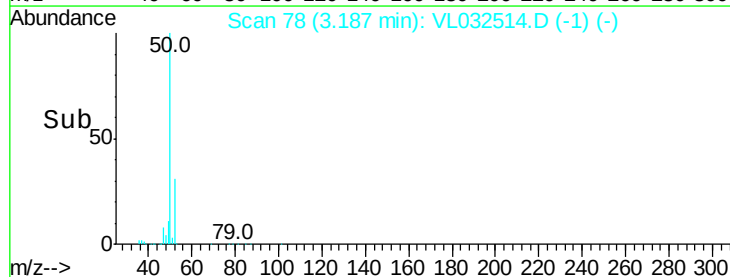
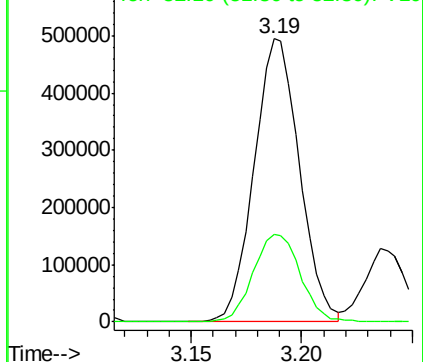
50 100

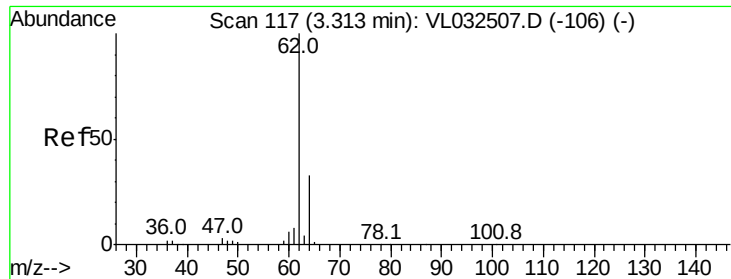
52 31.0 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.987 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

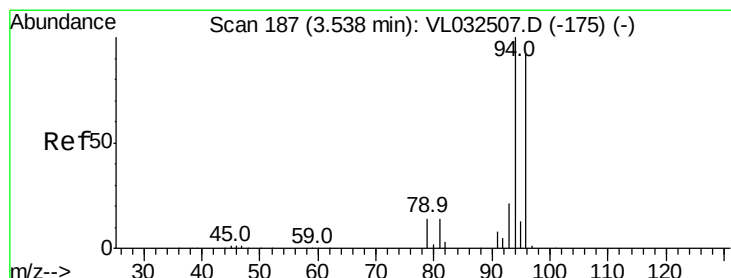
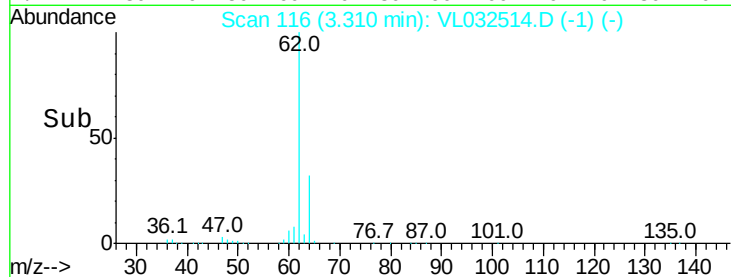
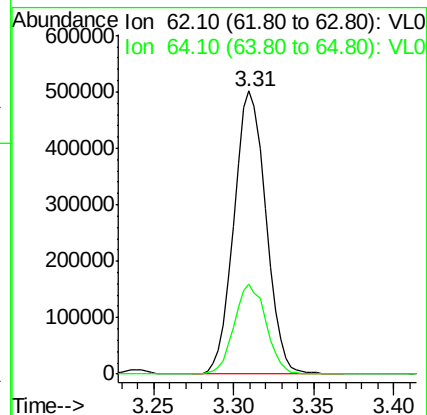
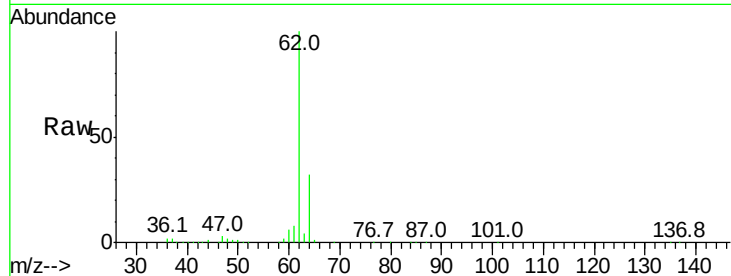
VSTDICCC010

Tgt Ion: 62 Resp: 682119

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6



#6

Bromomethane

Concen: 9.354 ppbv

RT: 3.53 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL032514.D

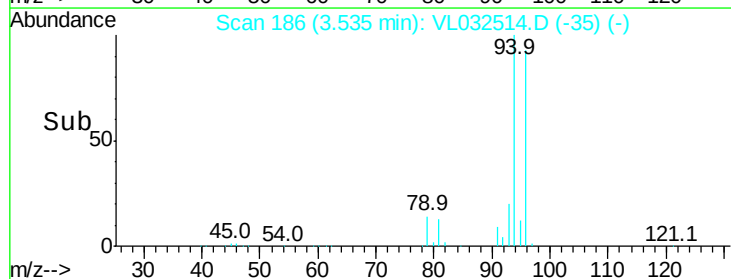
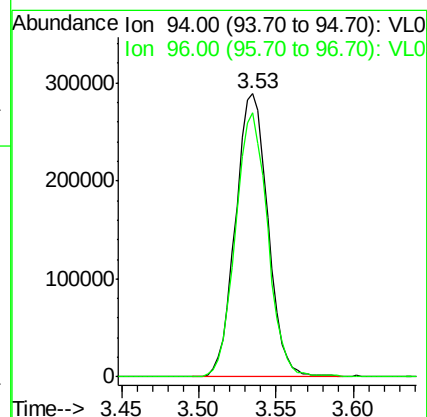
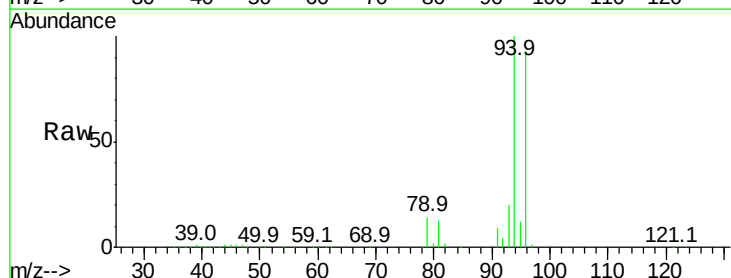
Acq: 24 Sep 2018 16:26

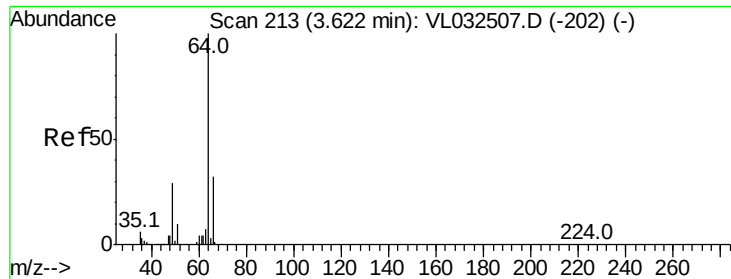
Tgt Ion: 94 Resp: 419370

Ion Ratio Lower Upper

94 100

96 93.3 72.8 109.2





#7

Chloroethane

Concen: 8.603 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

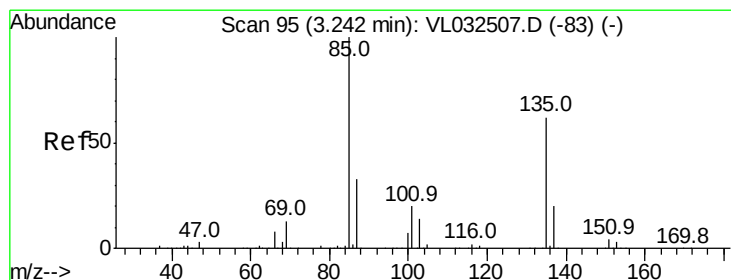
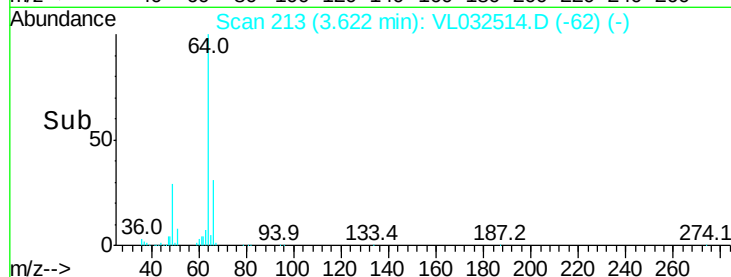
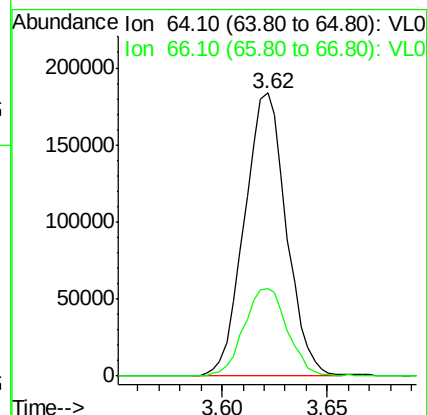
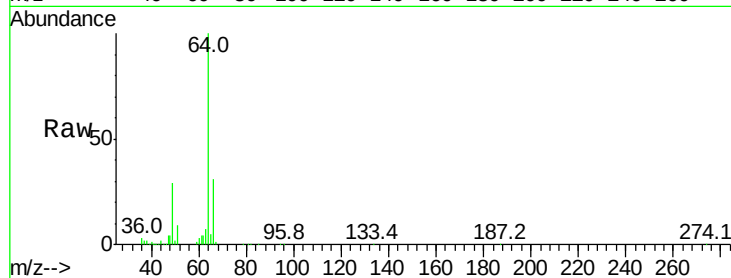
VSTDICCC010

Tgt Ion: 64 Resp: 254331

Ion Ratio Lower Upper

64 100

66 30.7 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 8.013 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032514.D

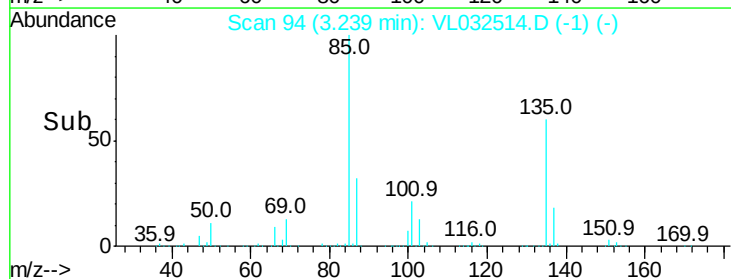
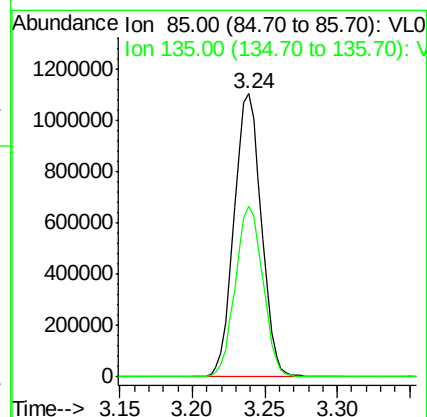
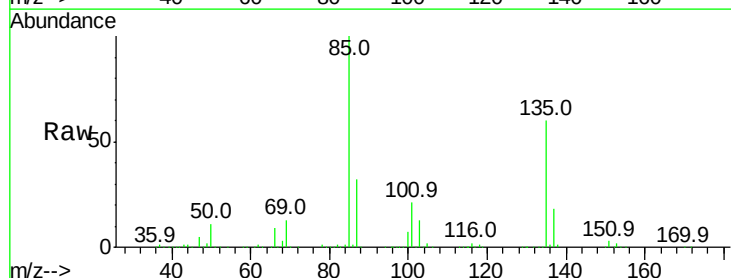
Acq: 24 Sep 2018 16:26

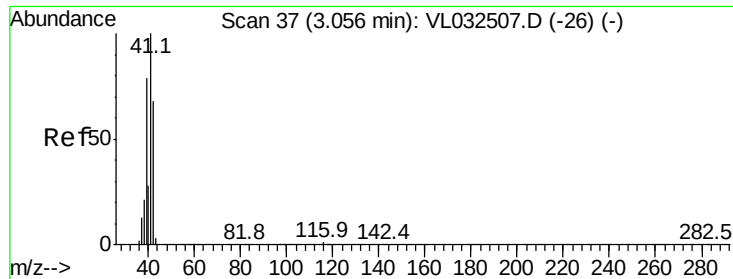
Tgt Ion: 85 Resp: 1436116

Ion Ratio Lower Upper

85 100

135 61.0 48.6 72.8





#9

Propene

Concen: 9.851 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

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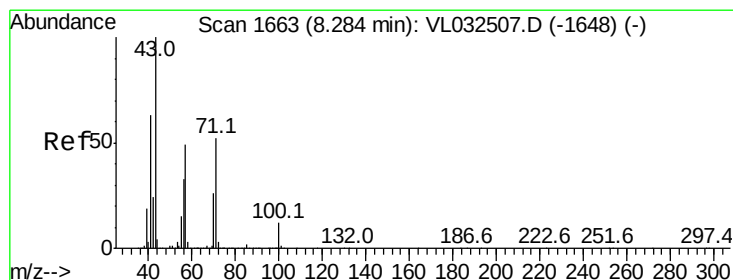
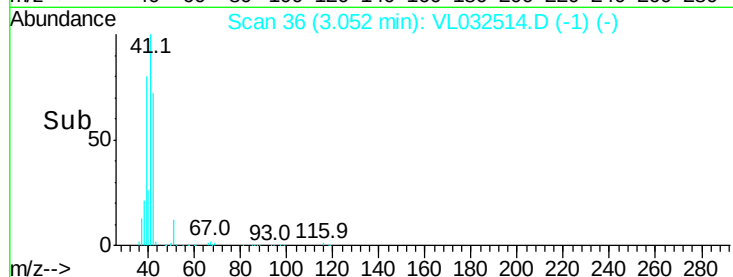
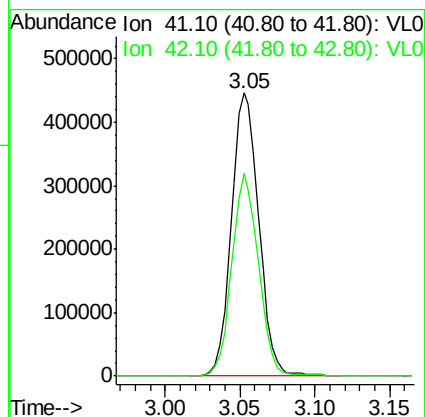
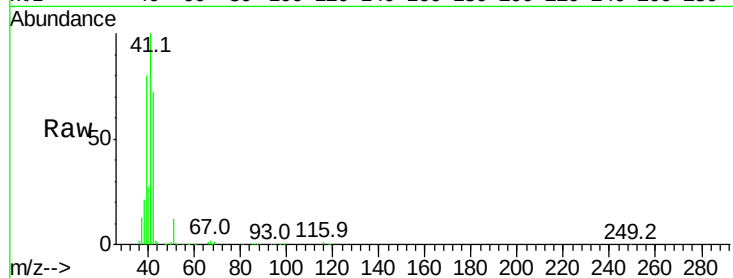
VSTDICCC010

Tgt Ion: 41 Resp: 567878

Ion Ratio Lower Upper

41 100

42 70.2 56.6 84.8



#10

Heptane

Concen: 10.733 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032514.D

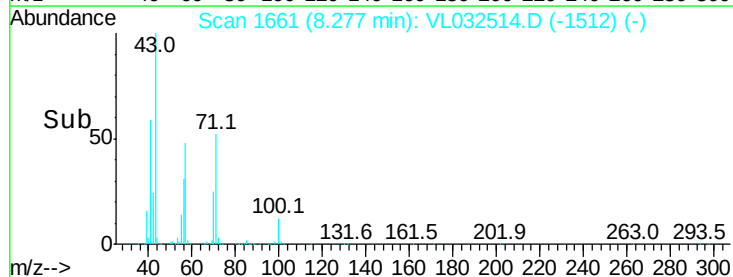
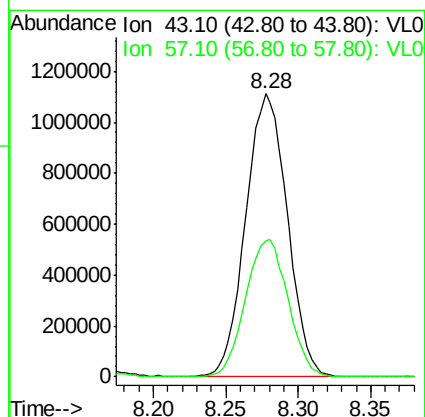
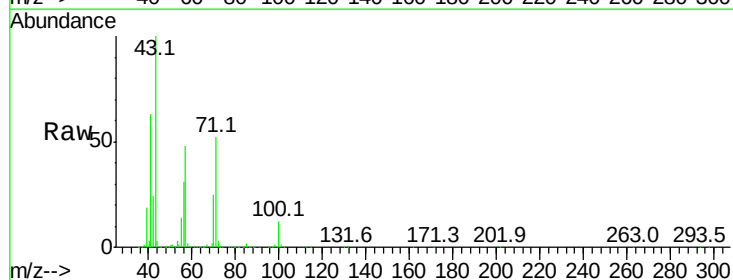
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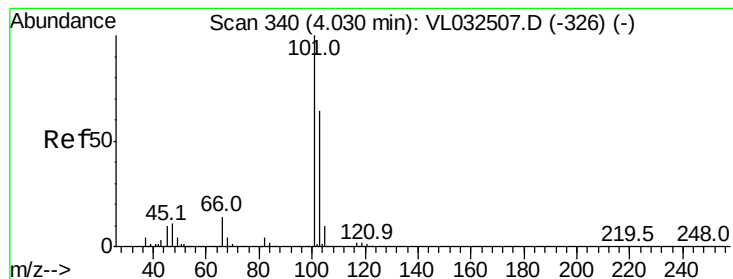
Tgt Ion: 43 Resp: 2219784

Ion Ratio Lower Upper

43 100

57 49.7 39.6 59.4





#11

Trichlorofluoromethane

Concen: 8.321 ppbv

RT: 4.03 min Scan# 339

Delta R.T. -0.01 min

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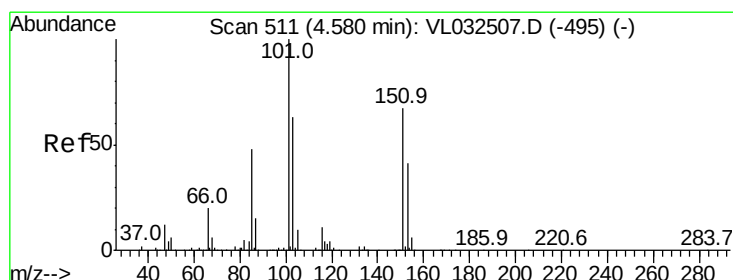
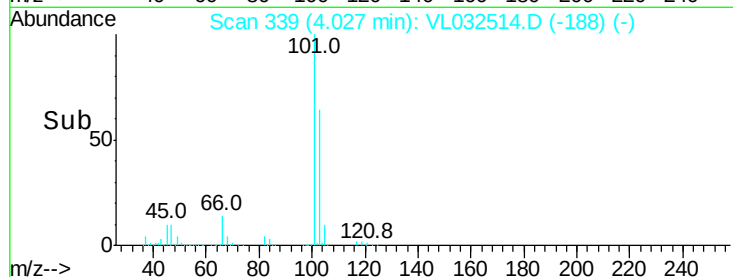
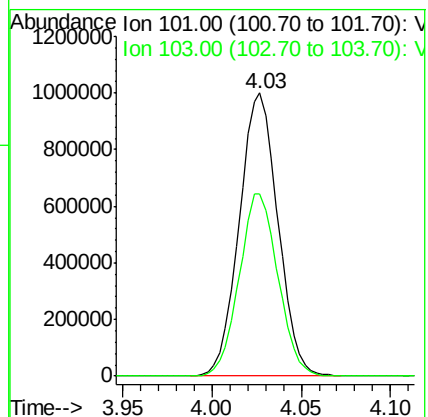
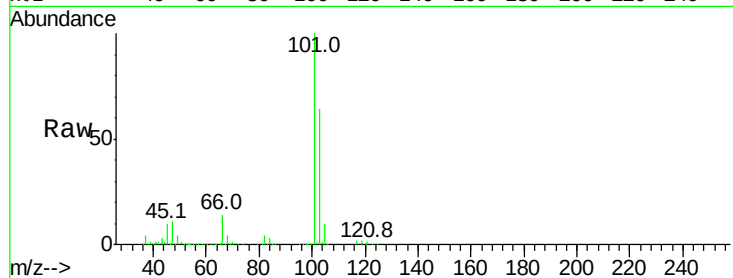
VSTDICCC010

Tgt Ion:101 Resp: 1515145

Ion Ratio Lower Upper

101 100

103 64.5 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.267 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032514.D

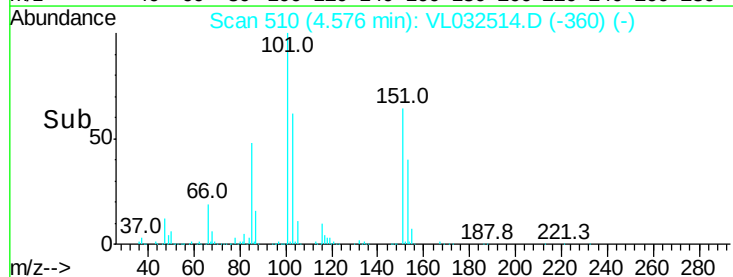
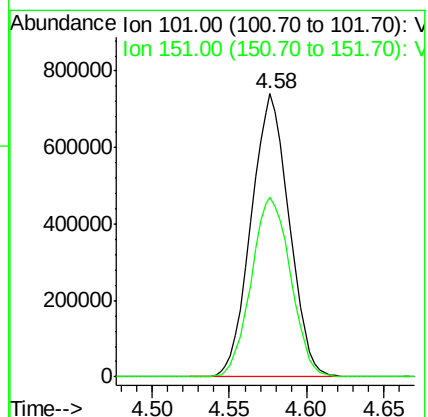
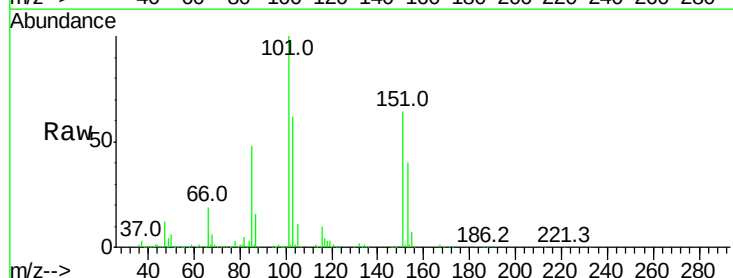
Acq: 24 Sep 2018 16:26

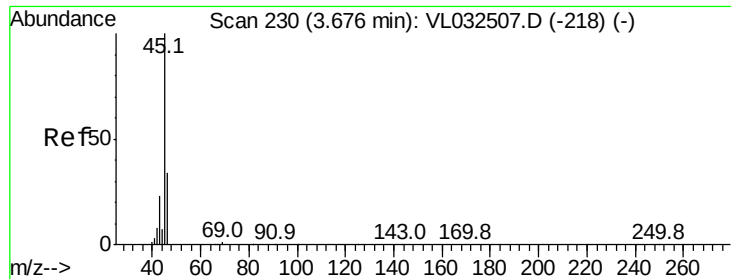
Tgt Ion:101 Resp: 1266820

Ion Ratio Lower Upper

101 100

151 65.7 52.6 78.8





#13

Ethanol

Concen: 8.136 ppbv

RT: 3.67 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

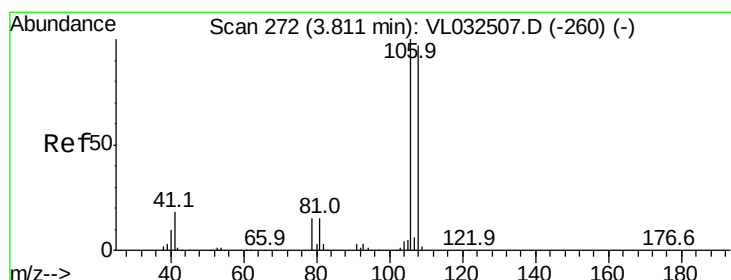
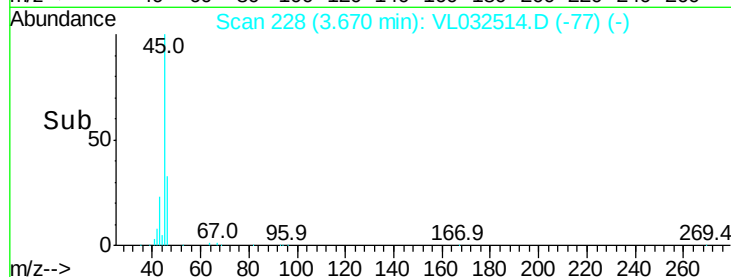
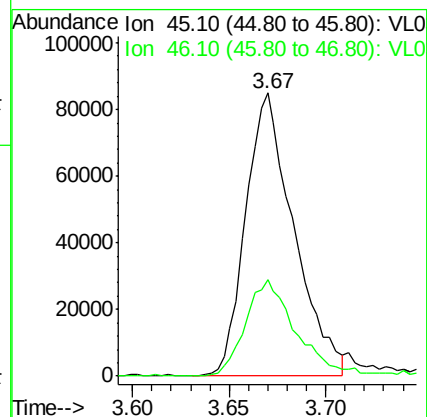
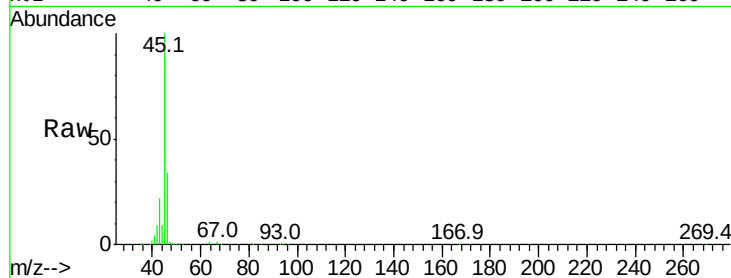
VSTDICCC010

Tgt Ion: 45 Resp: 146207

Ion Ratio Lower Upper

45 100

46 36.1 14.2 56.8



#14

Bromoethene

Concen: 9.342 ppbv

RT: 3.81 min Scan# 271

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

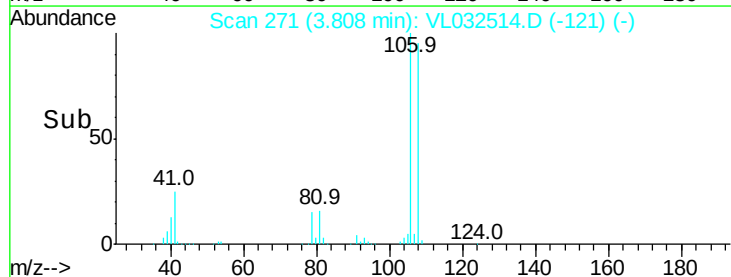
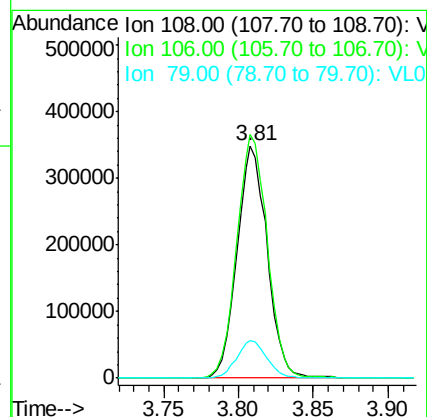
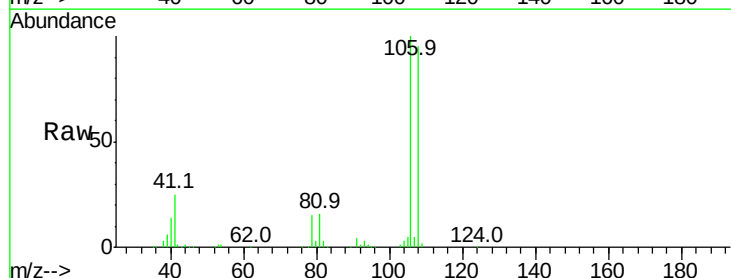
Tgt Ion: 108 Resp: 488371

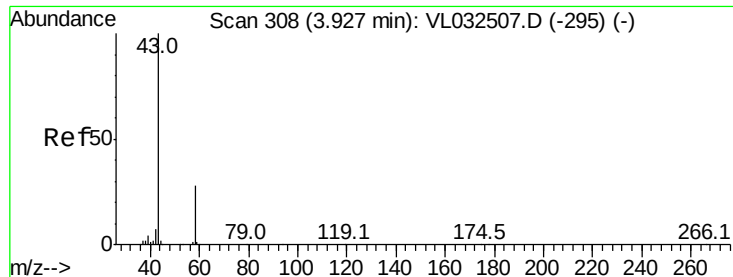
Ion Ratio Lower Upper

108 100

106 106.8 85.5 128.3

79 16.4 13.0 19.6

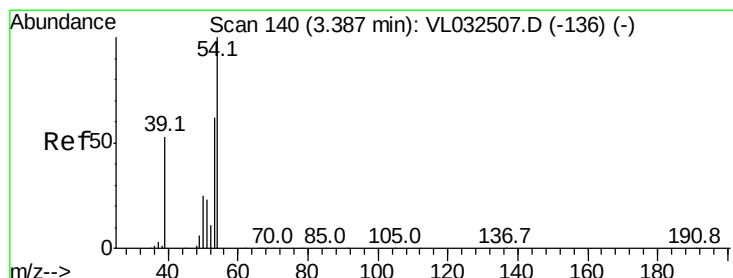
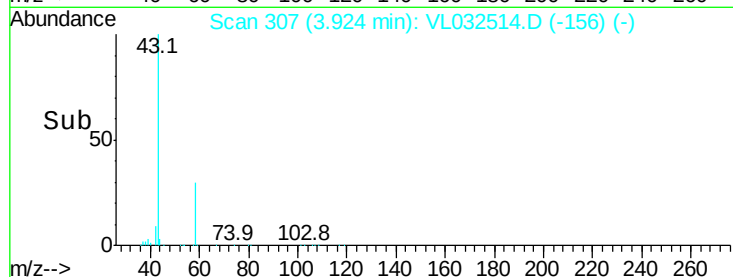
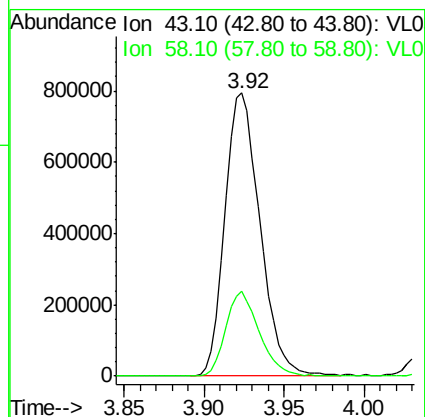
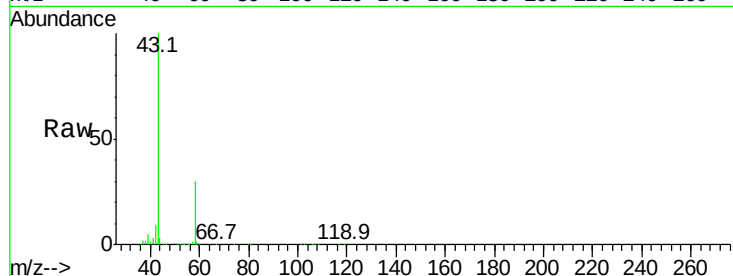




#15
Acetone
Concen: 8.368 ppbv
RT: 3.92 min Scan# 307
Delta R.T. -0.01 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

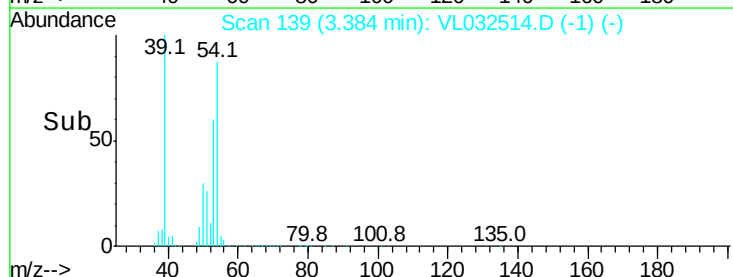
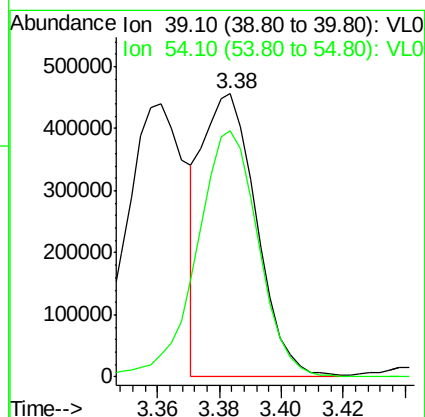
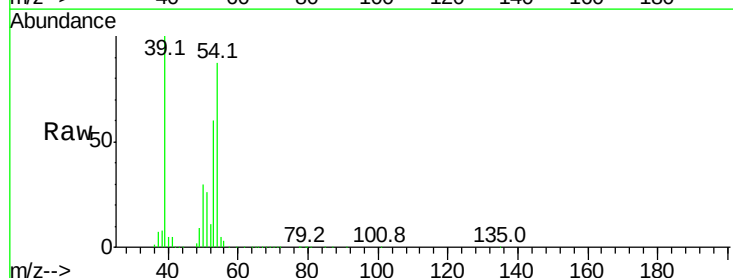
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

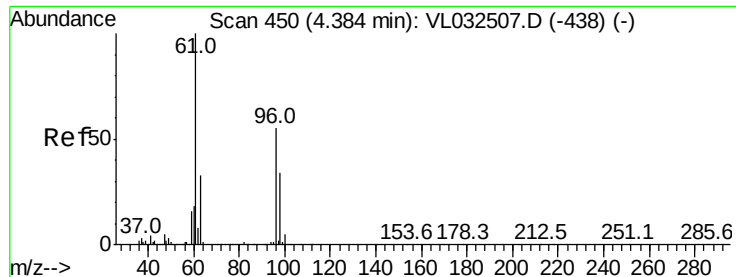
Tgt Ion: 43 Resp: 1189697
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8



#16
1,3-Butadiene
Concen: 8.265 ppbv
RT: 3.38 min Scan# 139
Delta R.T. -0.01 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

Tgt Ion: 39 Resp: 552949
Ion Ratio Lower Upper
39 100
54 99.3 80.8 121.2





#17

tert-Butyl alcohol

Concen: 6.704 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.03 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

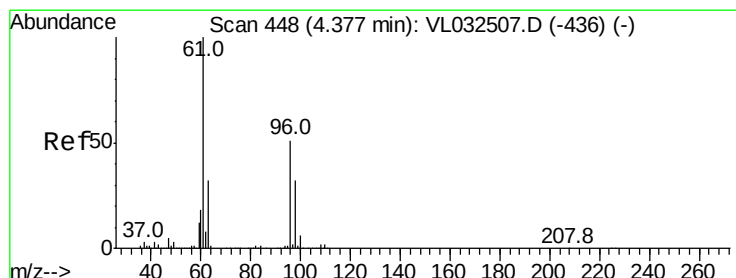
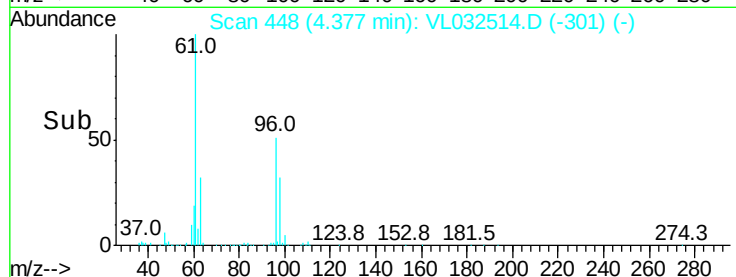
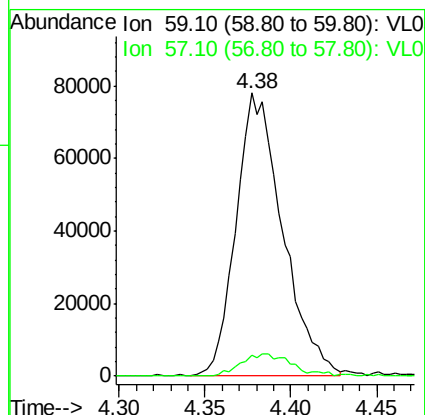
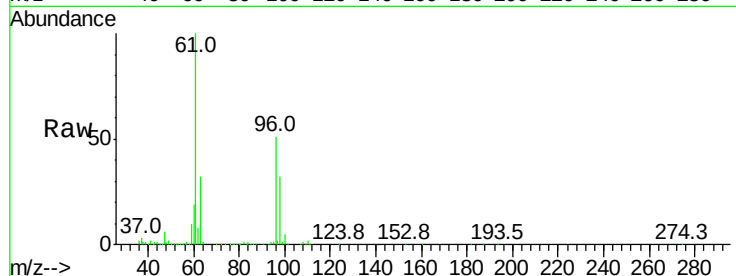
VSTDICCC010

Tgt Ion: 59 Resp: 146678

Ion Ratio Lower Upper

59 100

57 9.0 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 11.150 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

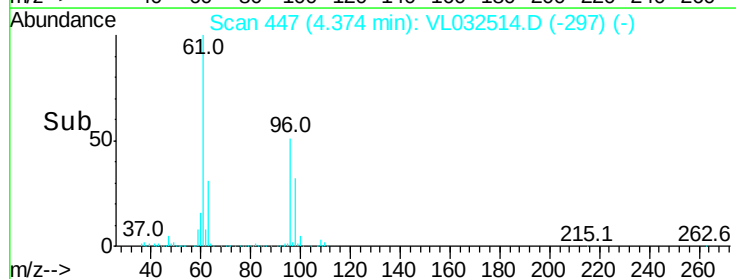
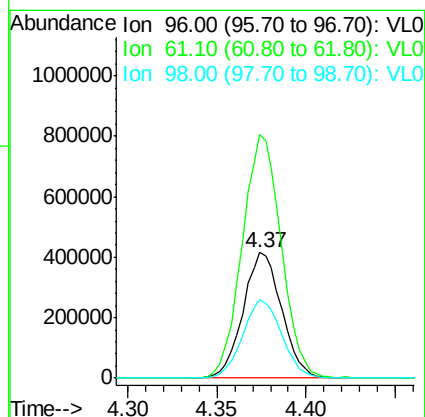
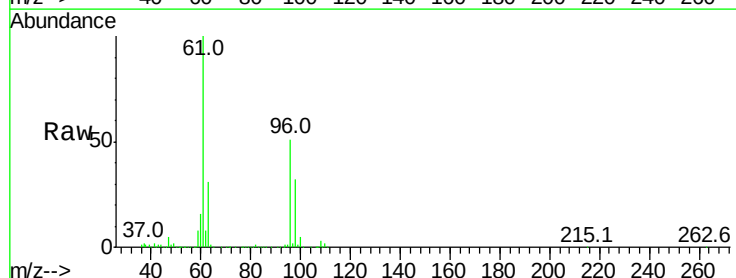
Tgt Ion: 96 Resp: 628753

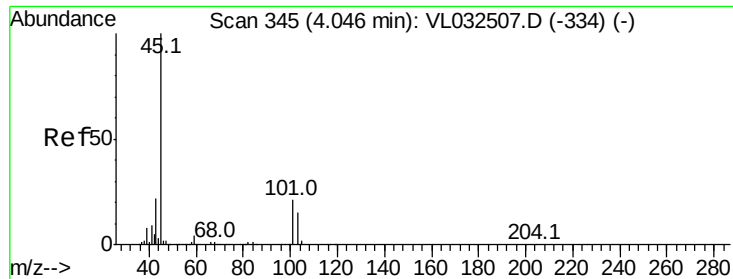
Ion Ratio Lower Upper

96 100

61 194.3 159.2 238.8

98 62.6 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.833 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

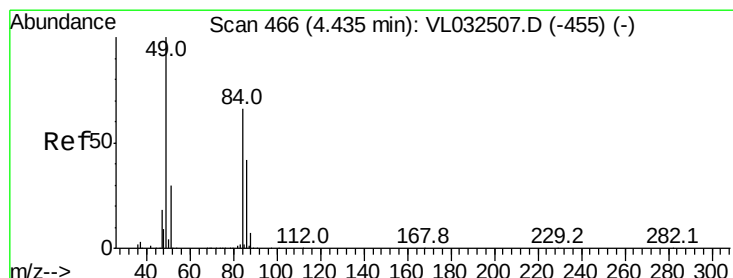
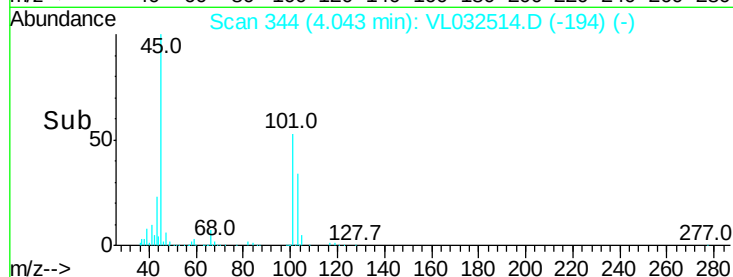
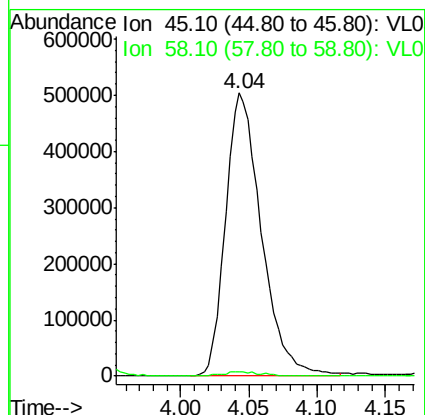
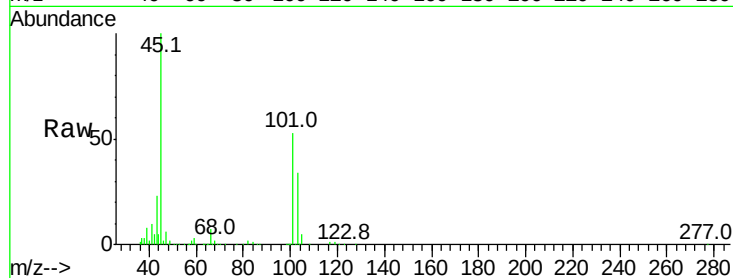
VSTDICCC010

Tgt Ion: 45 Resp: 917046

Ion Ratio Lower Upper

45 100

58 1.7 2.0 3.0#



#20

Methylene Chloride

Concen: 10.210 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 84 Resp: 553504

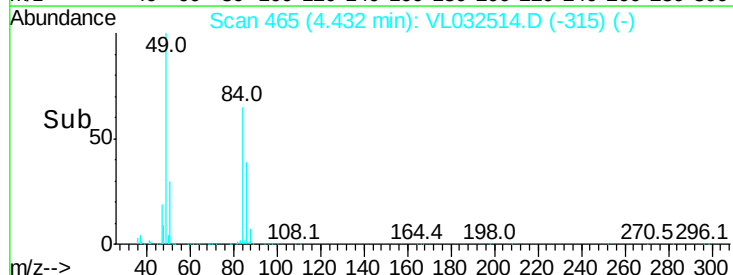
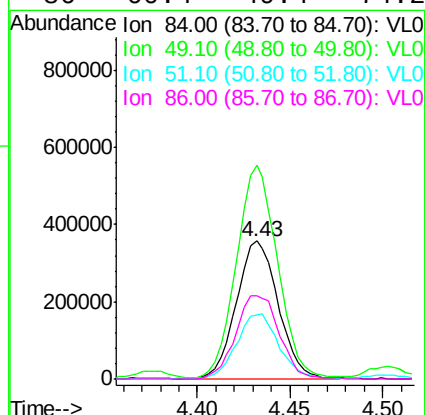
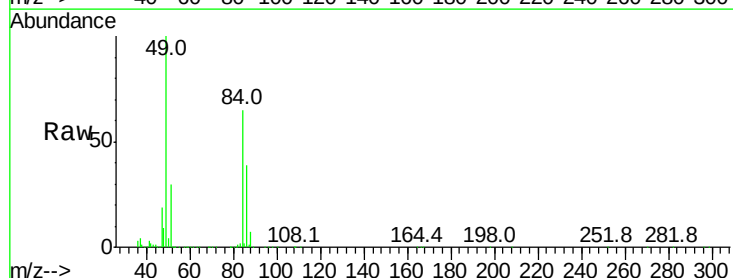
Ion Ratio Lower Upper

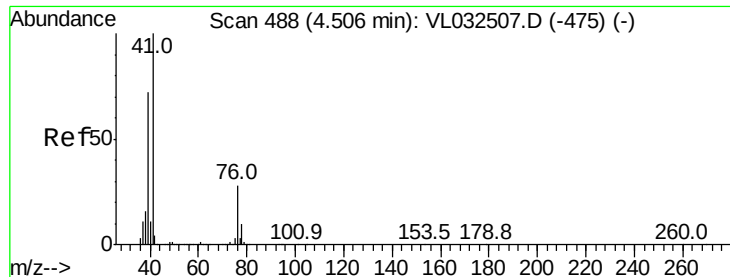
84 100

49 154.7 119.1 178.7

51 46.6 35.2 52.8

86 60.4 49.4 74.2

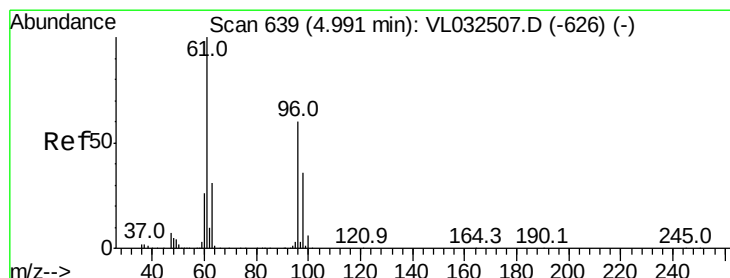
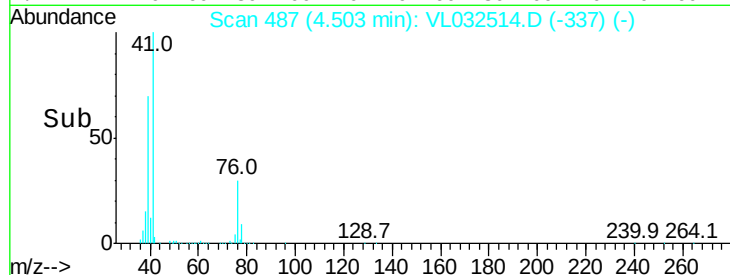
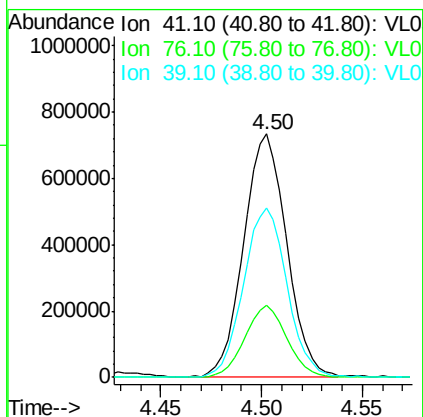
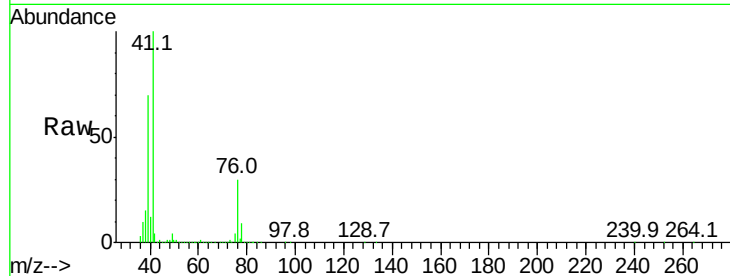




#21
 Allyl Chloride
 Concen: 11.590 ppbv
 RT: 4.50 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

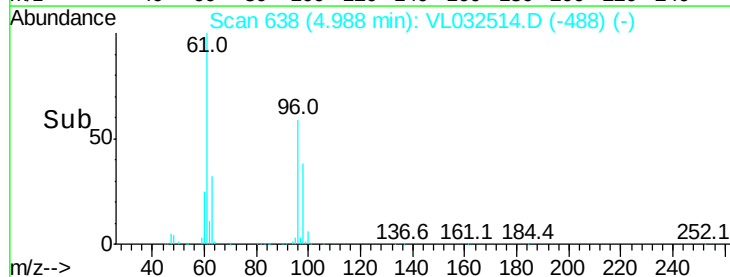
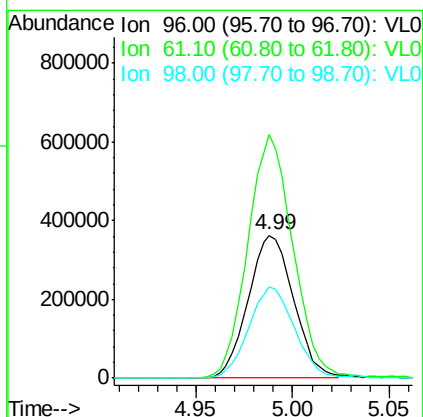
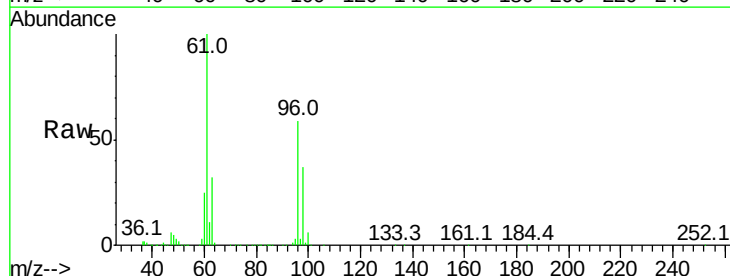
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

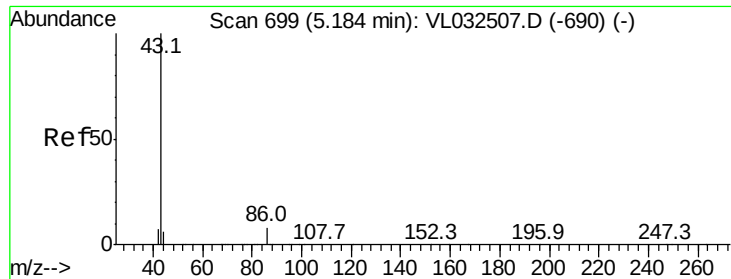
Tgt Ion: 41 Resp: 1094443
 Ion Ratio Lower Upper
 41 100
 76 29.2 23.6 35.4
 39 71.0 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.670 ppbv
 RT: 4.99 min Scan# 638
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion: 96 Resp: 591712
 Ion Ratio Lower Upper
 96 100
 61 170.7 136.2 204.4
 98 63.7 50.4 75.6





#23

Vinyl Acetate

Concen: 11.159 ppbv

RT: 5.18 min Scan# 698

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2629629

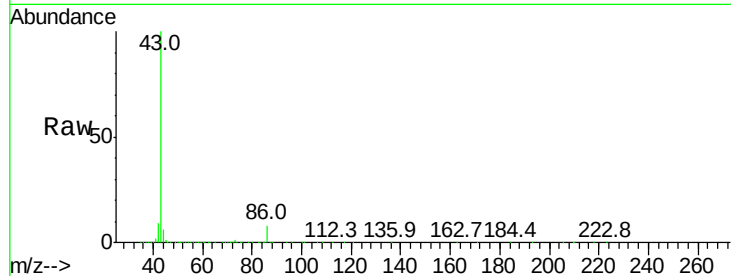
Ion Ratio Lower Upper

43 100

86 7.7 5.9 8.9

42 8.9 6.9 10.3

44 6.2 4.6 7.0

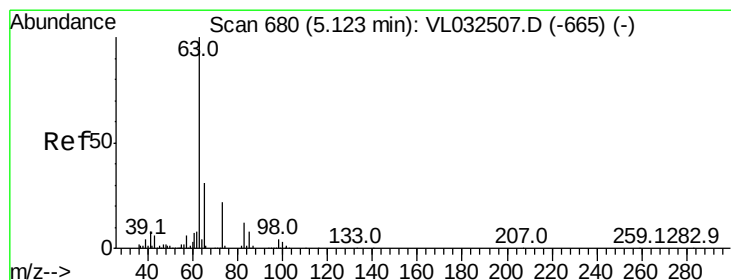
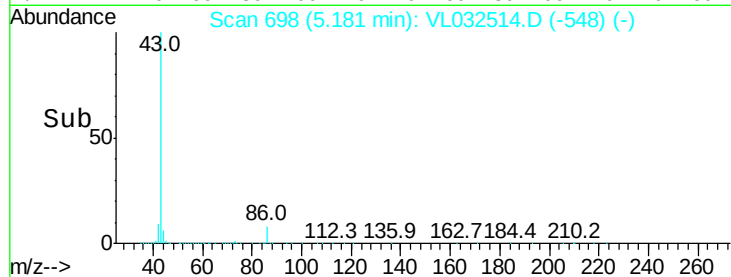
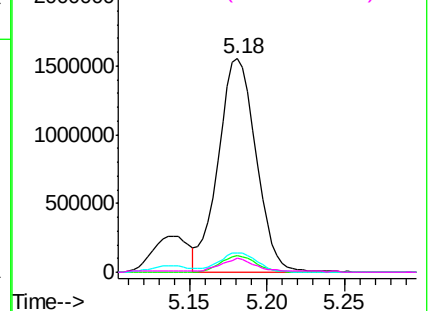


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.819 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

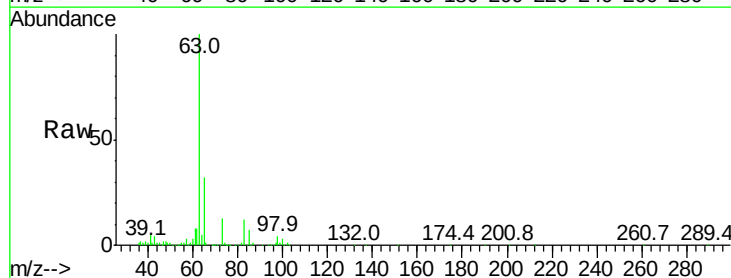
Tgt Ion: 63 Resp: 1906503

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.5

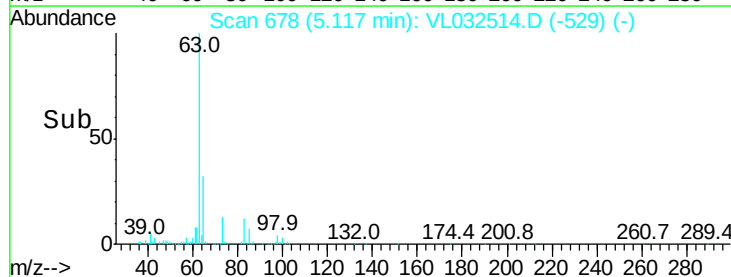
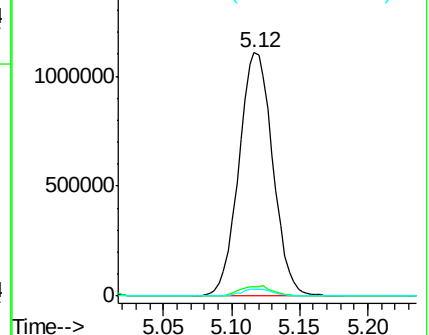
100 2.6 1.5 4.4

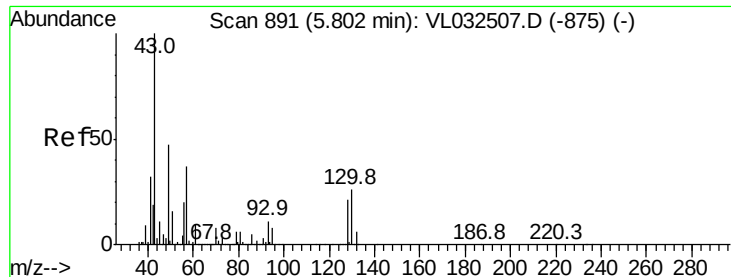


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.578 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 3215767

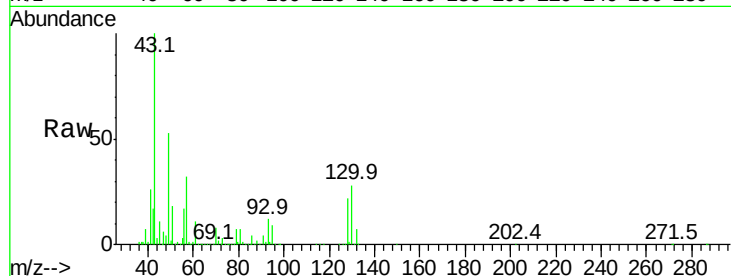
Ion Ratio Lower Upper

43 100

45 10.1 8.0 12.0

61 9.7 7.6 11.4

70 7.3 5.8 8.8

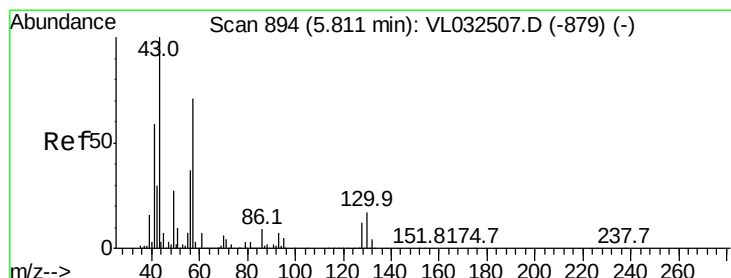
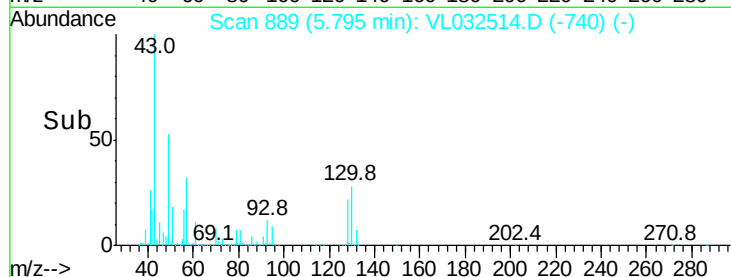
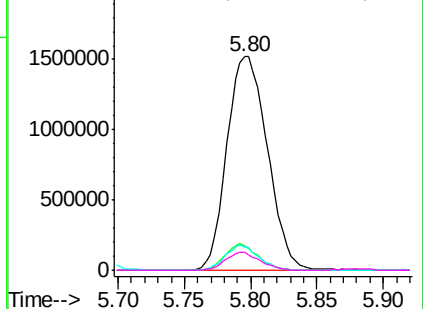


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.804 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 57 Resp: 1473794

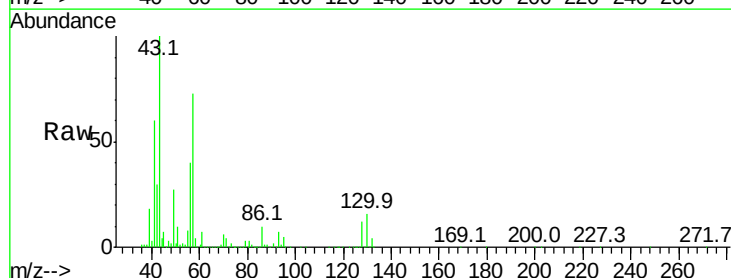
Ion Ratio Lower Upper

57 100

41 84.1 69.0 103.4

43 219.3 172.1 258.1

56 53.4 42.2 63.2

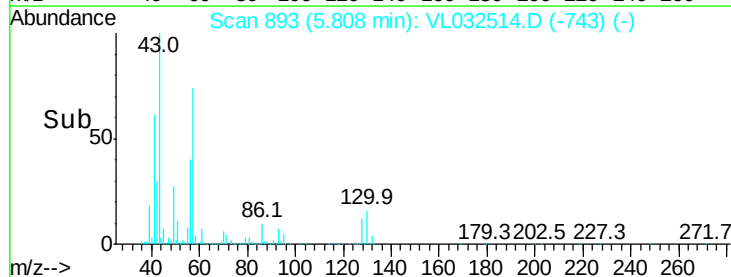
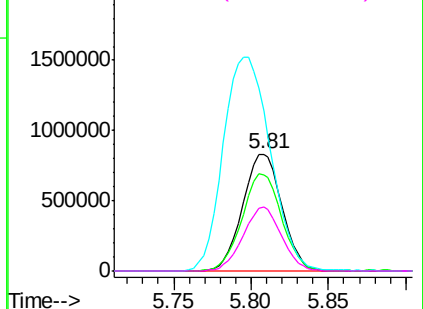


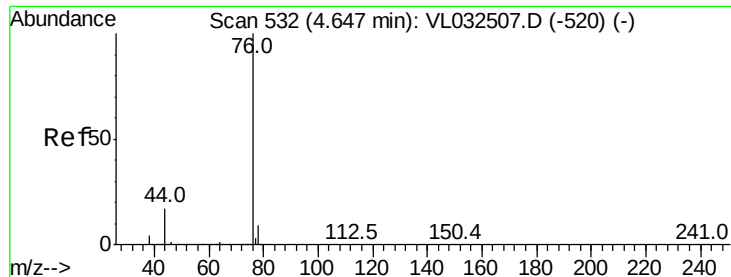
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.503 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

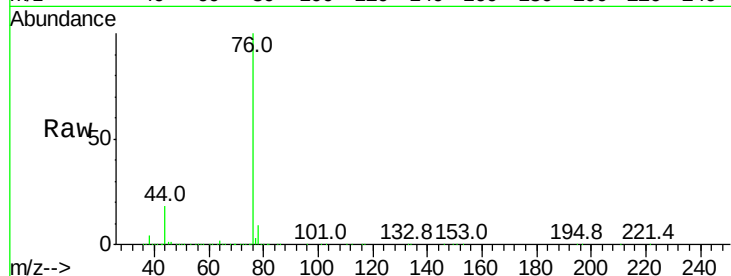
Tgt Ion: 76 Resp: 1596260

Ion Ratio Lower Upper

76 100

44 17.4 14.0 21.0

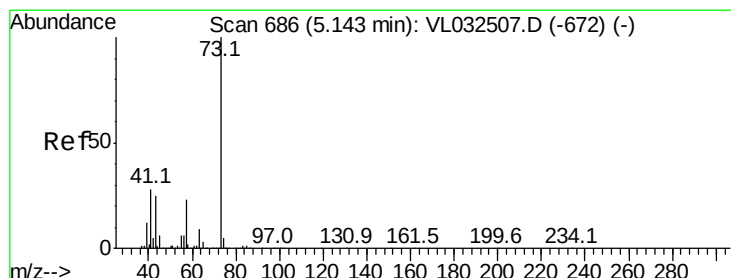
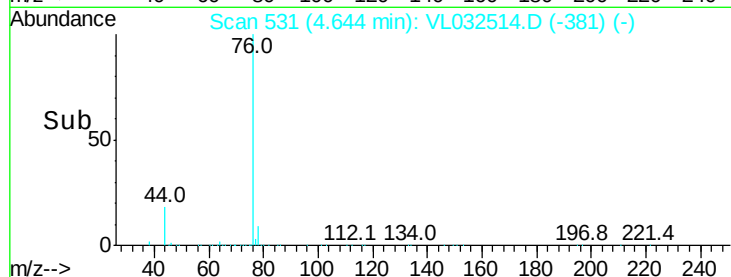
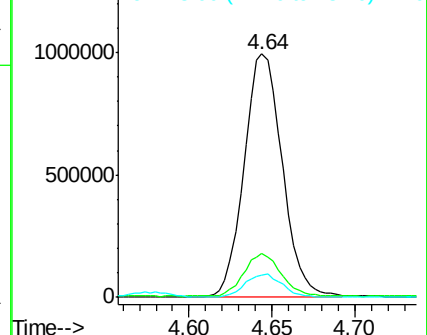
78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.737 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL032514.D

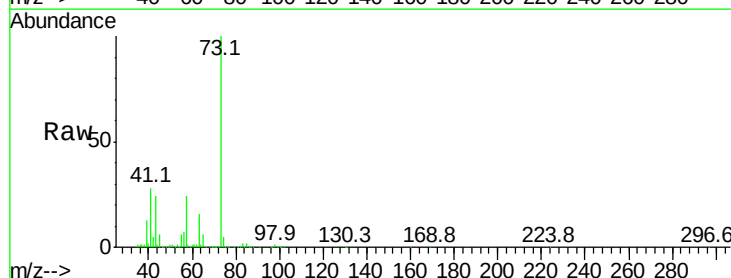
Acq: 24 Sep 2018 16:26

Tgt Ion: 73 Resp: 1981809

Ion Ratio Lower Upper

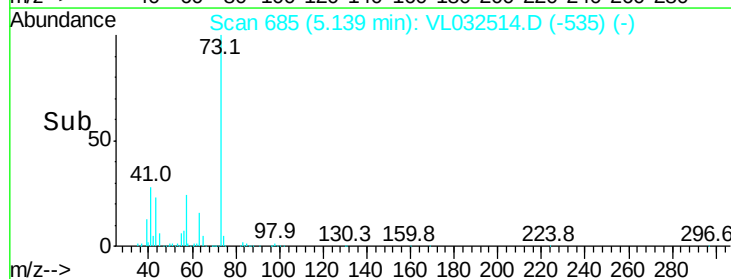
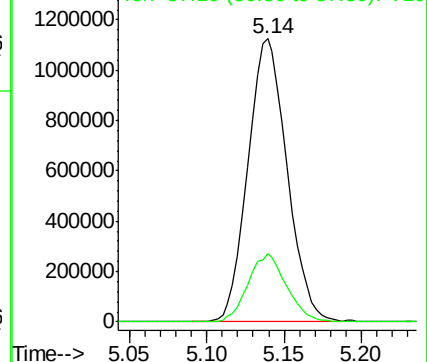
73 100

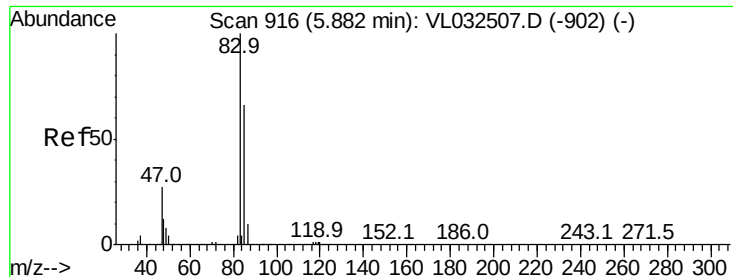
57 23.8 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

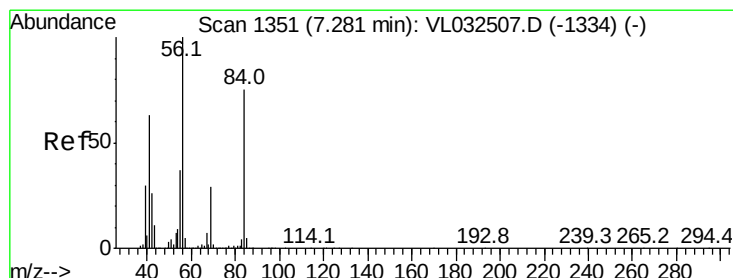
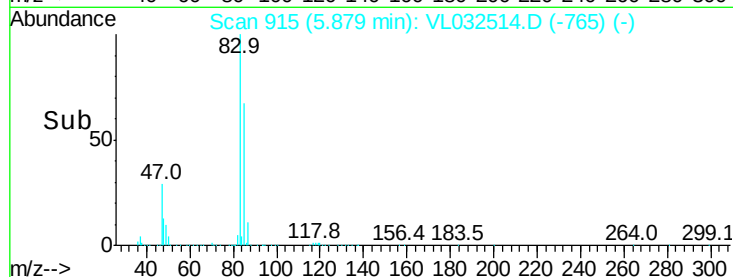
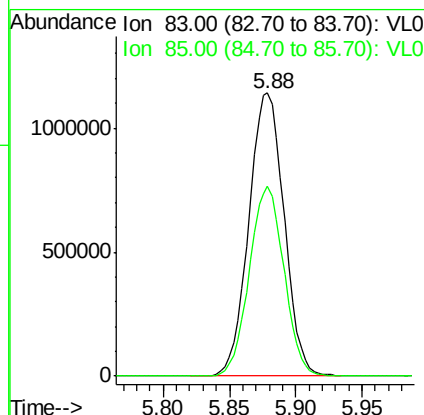
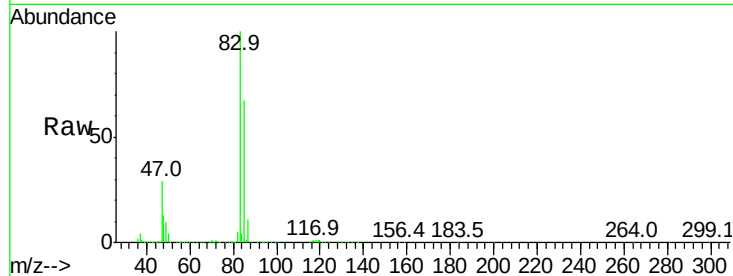




#29
Chloroform
Concen: 9.235 ppbv
RT: 5.88 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

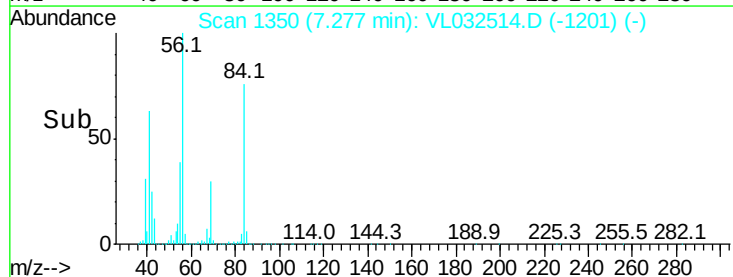
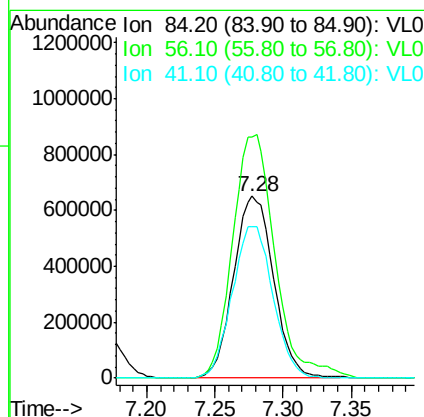
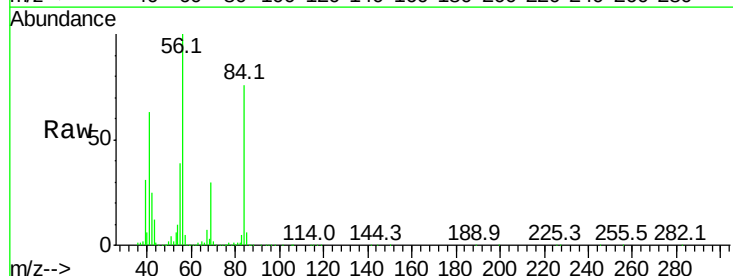
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

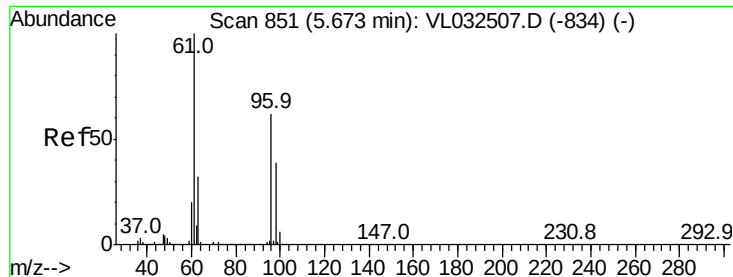
Tgt Ion: 83 Resp: 2116679
Ion Ratio Lower Upper
83 100
85 66.9 52.5 78.7



#30
Cyclohexane
Concen: 12.039 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

Tgt Ion: 84 Resp: 1325246
Ion Ratio Lower Upper
84 100
56 142.4 113.5 170.3
41 84.9 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 11.112 ppbv

RT: 5.67 min Scan# 850

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

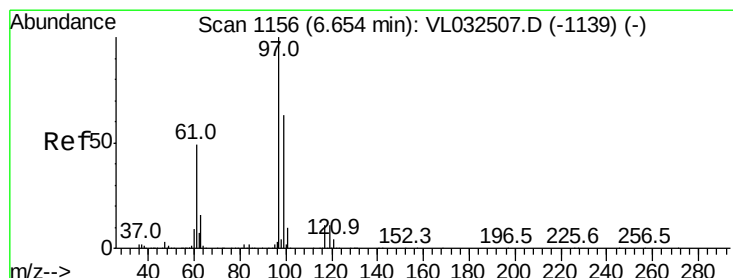
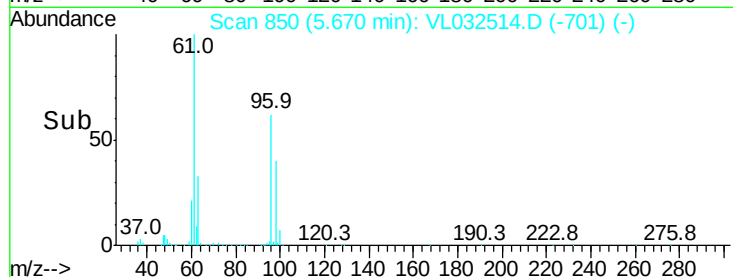
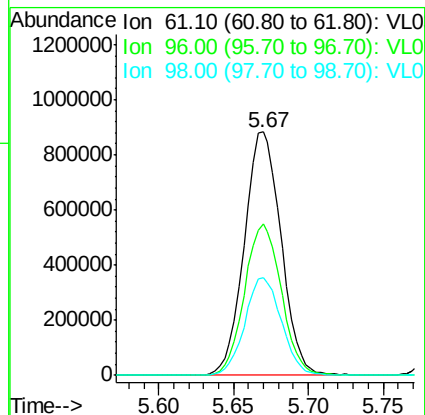
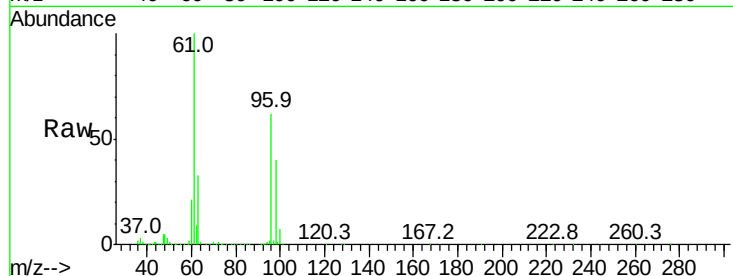
Tgt Ion: 61 Resp: 1512530

Ion Ratio Lower Upper

61 100

96 62.1 49.2 73.8

98 40.3 30.7 46.1



#32

1,1,1-Trichloroethane

Concen: 10.689 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

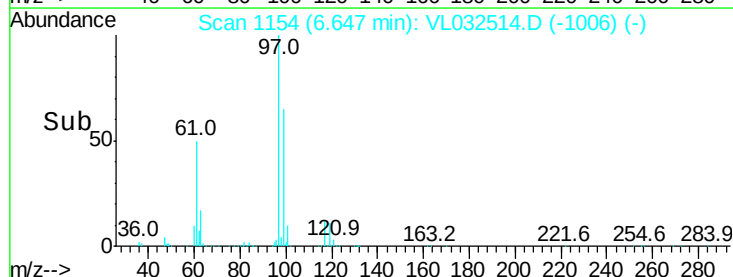
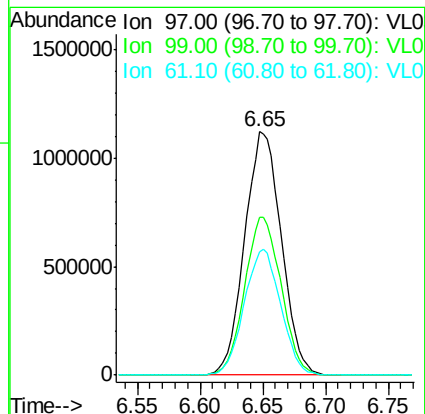
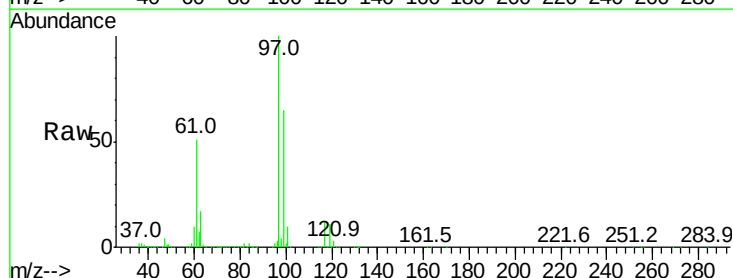
Tgt Ion: 97 Resp: 2283735

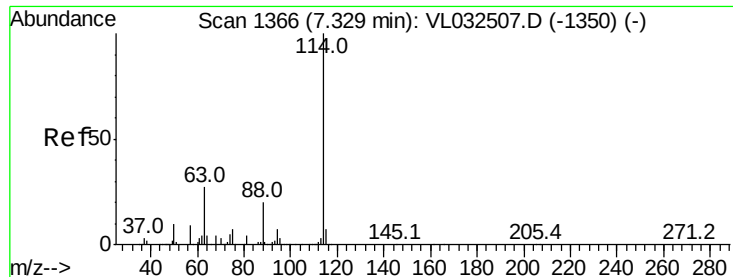
Ion Ratio Lower Upper

97 100

99 64.5 52.1 78.1

61 51.5 42.5 63.7

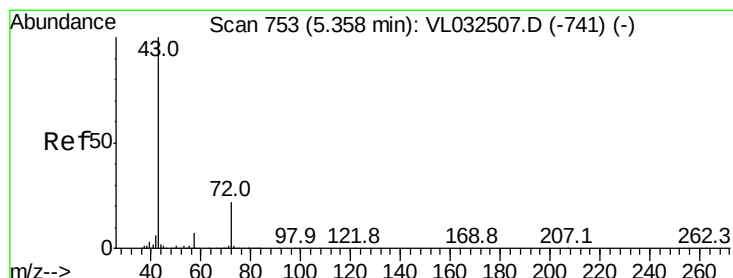
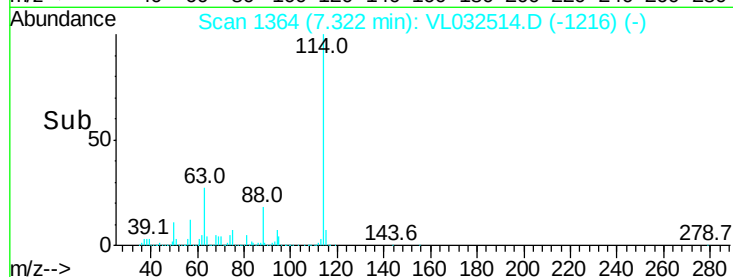
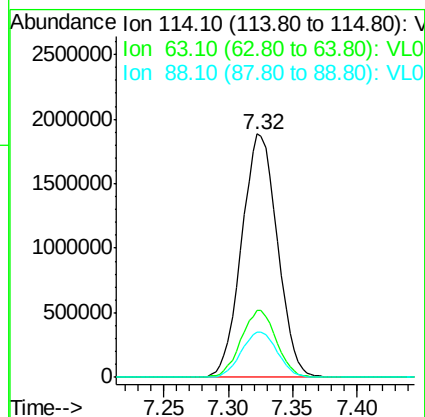
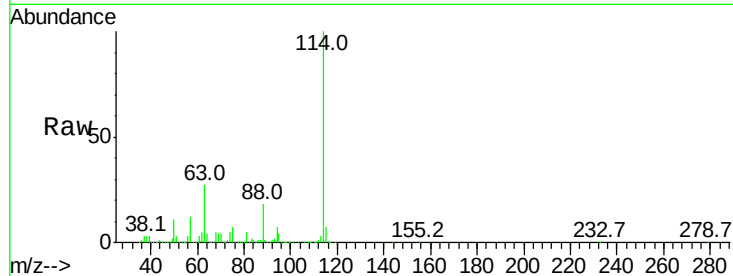




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

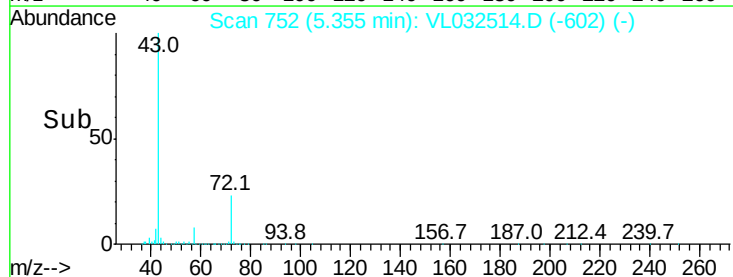
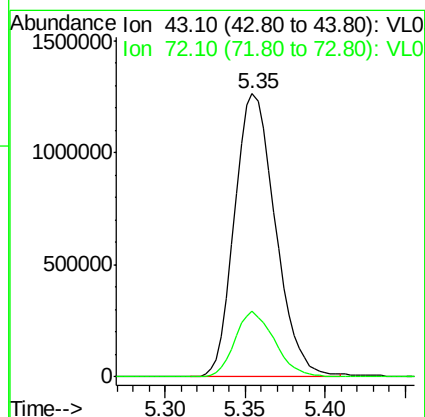
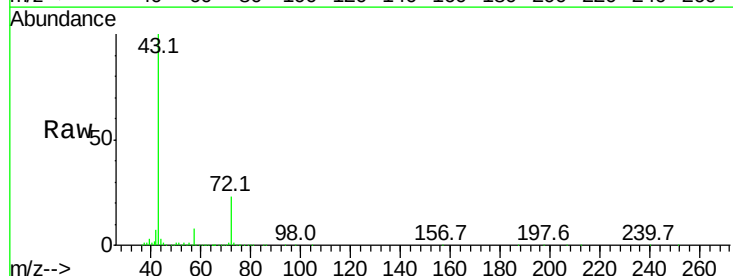
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

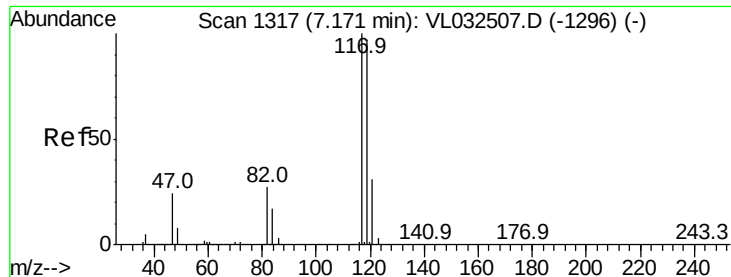
Tgt Ion:114 Resp: 3645194
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.4
 88 18.8 15.0 22.4



#34
 2-Butanone
 Concen: 9.059 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion: 43 Resp: 2193451
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.386 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

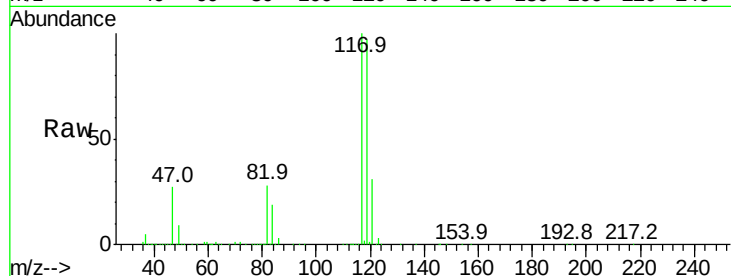
Tgt Ion:117 Resp: 2299498

Ion Ratio Lower Upper

117 100

119 97.1 76.6 115.0

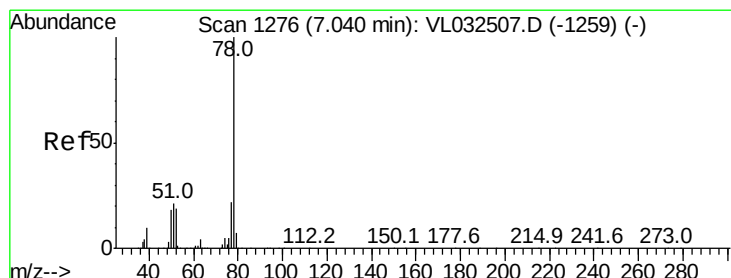
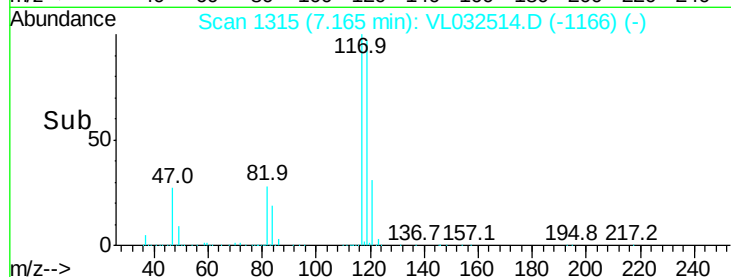
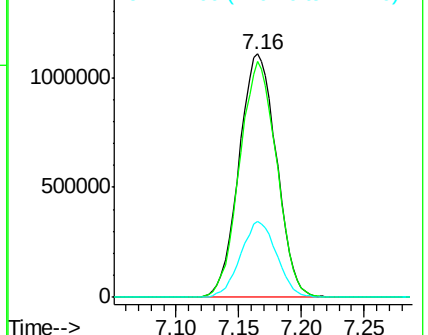
121 30.9 24.6 36.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.631 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

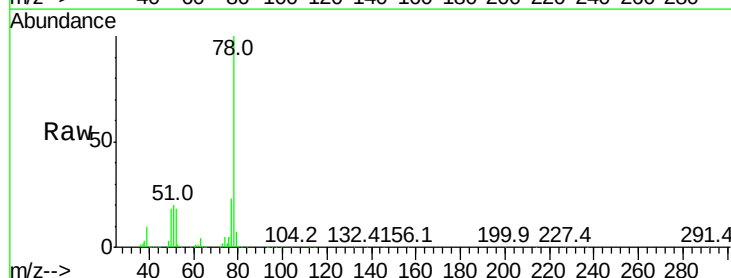
Tgt Ion: 78 Resp: 2987618

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

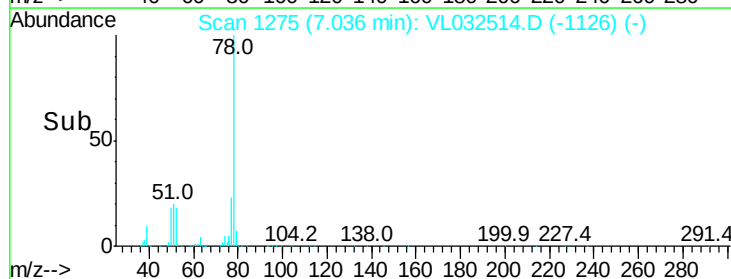
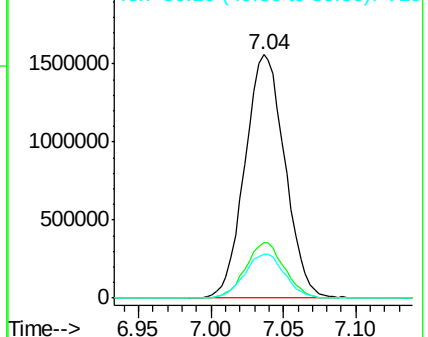
50 18.1 14.4 21.6

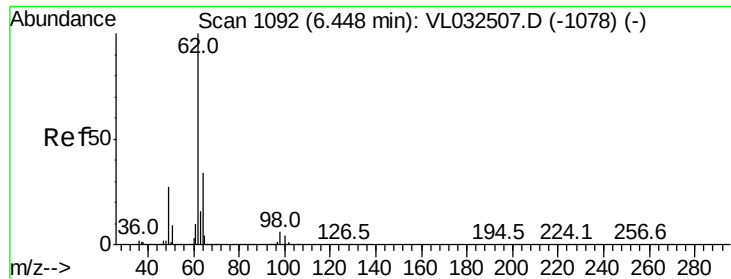


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 8.888 ppbv

RT: 6.44 min Scan# 1091

Delta R.T. -0.02 min

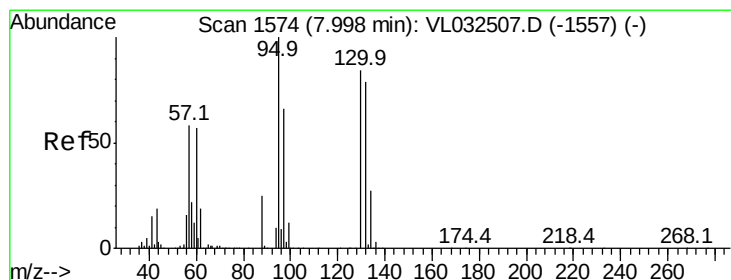
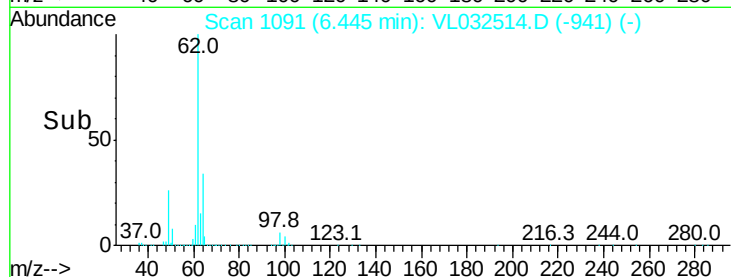
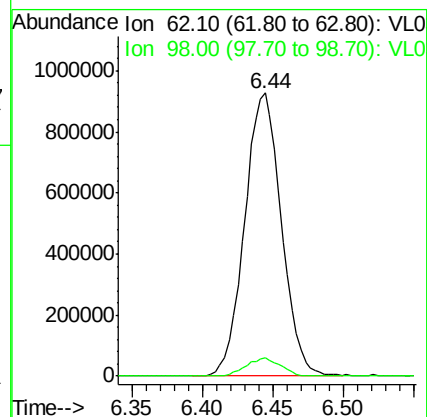
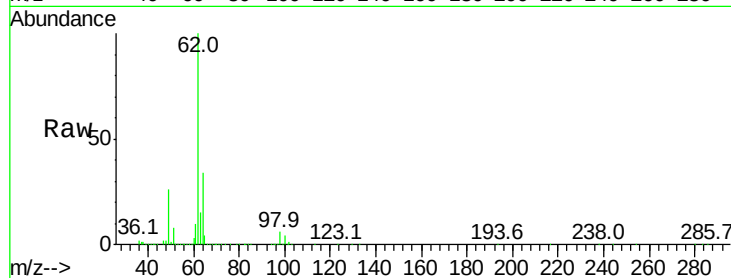
Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1689550

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.0	7.6



#38

Trichloroethene

Concen: 9.463 ppbv

RT: 7.99 min Scan# 1573

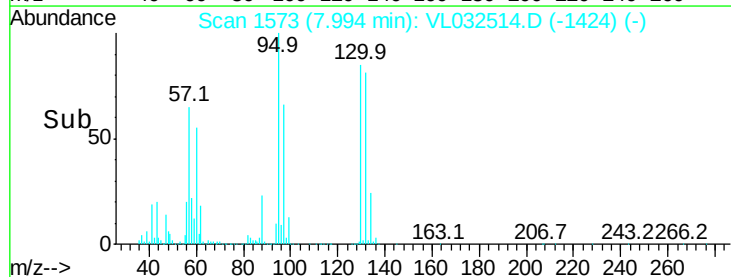
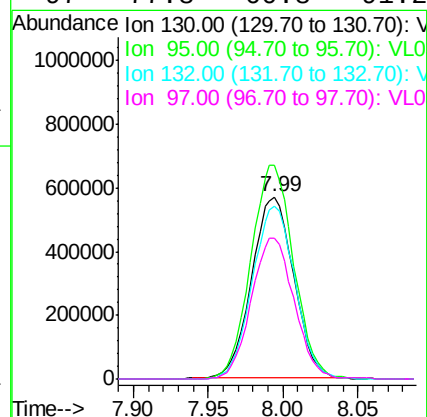
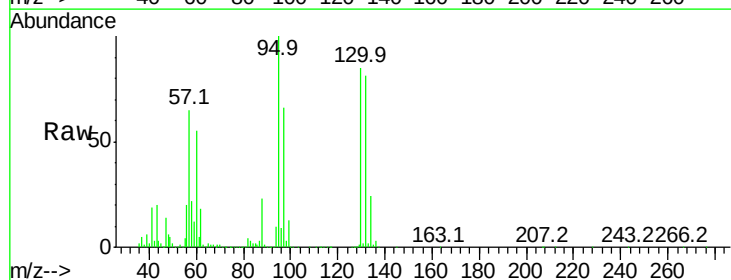
Delta R.T. -0.02 min

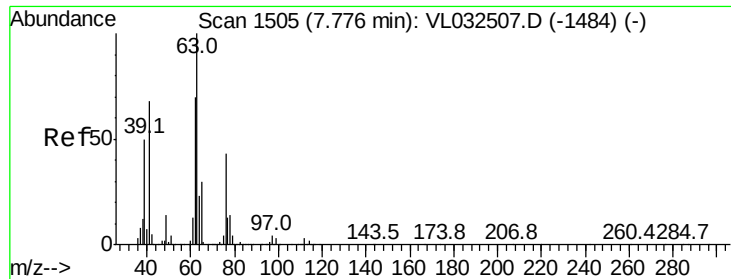
Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 130 Resp: 1115129

Ion	Ratio	Lower	Upper
130	100		
95	117.6	94.2	141.4
132	95.3	76.2	114.4
97	77.8	60.8	91.2





#39

1,2-Dichloropropane

Concen: 10.033 ppbv

RT: 7.77 min Scan# 1503

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

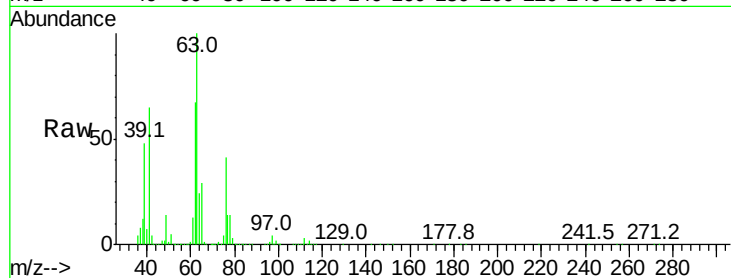
Tgt Ion: 63 Resp: 1331648

Ion Ratio Lower Upper

63 100

41 64.8 55.4 83.0

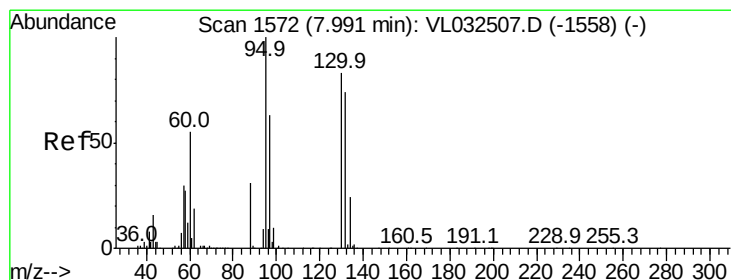
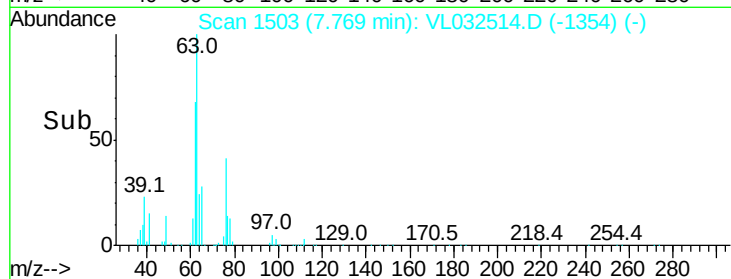
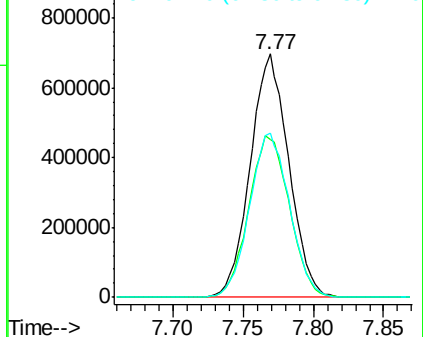
62 67.4 55.4 83.0



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: 10.171 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 88 Resp: 405009

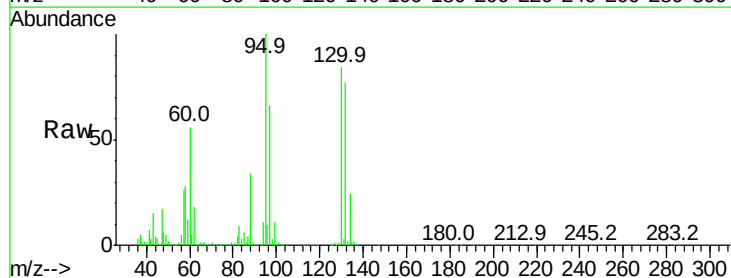
Ion Ratio Lower Upper

88 100

58 152.7 119.7 179.5

43 0.0 253.0 379.4#

57 0.0 1156.9 1735.3#

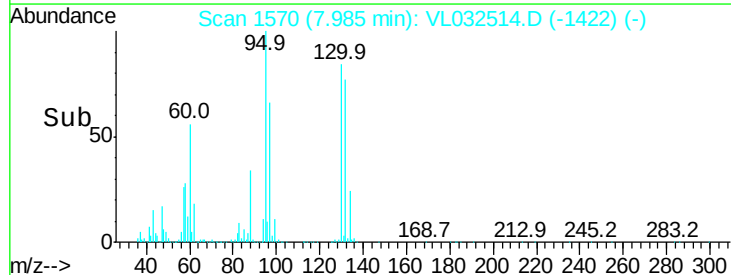
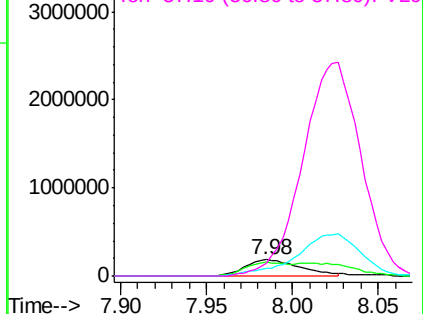


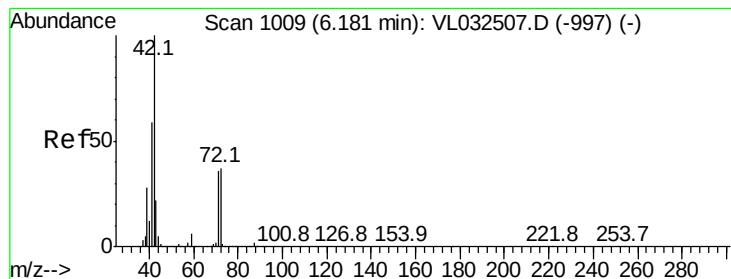
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.819 ppbv

RT: 6.18 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

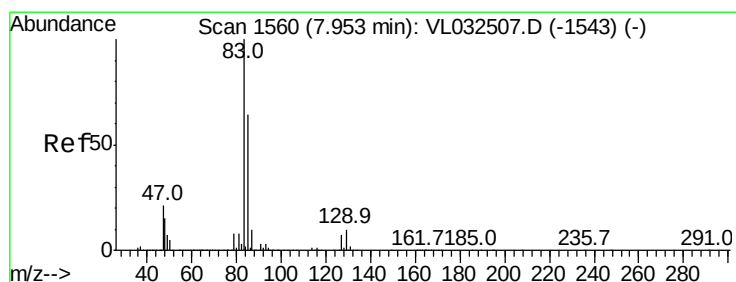
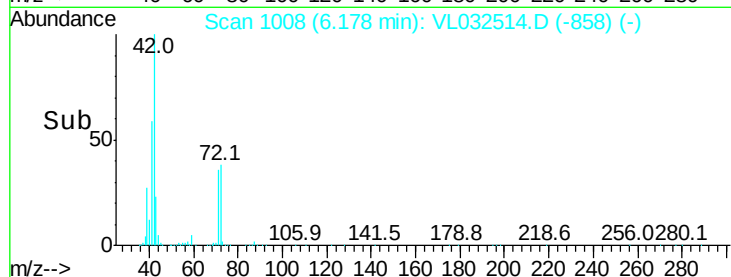
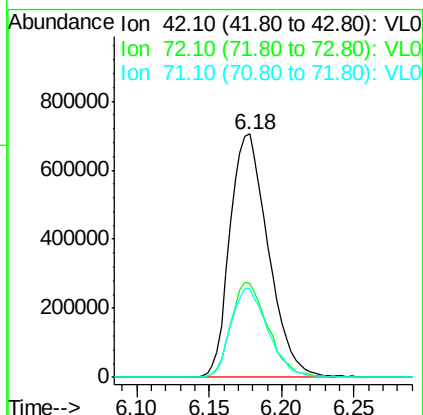
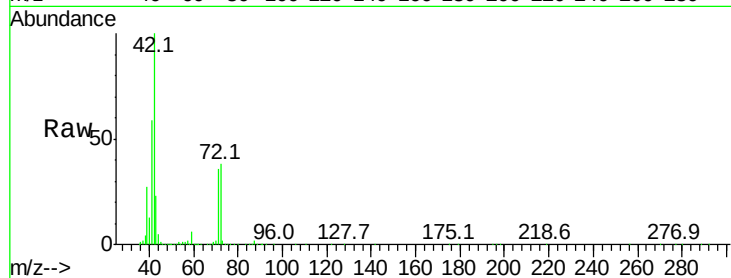
Tgt Ion: 42 Resp: 1294255

Ion Ratio Lower Upper

42 100

72 37.9 29.5 44.3

71 35.7 28.3 42.5



#42

Bromodichloromethane

Concen: 9.836 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

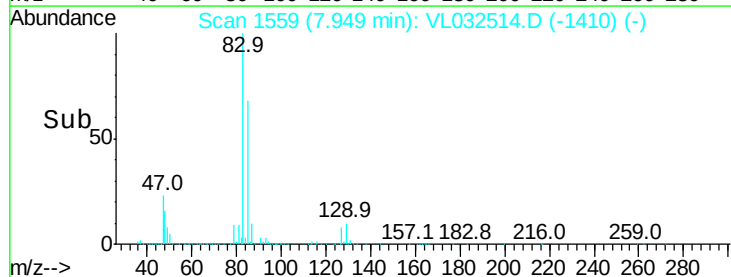
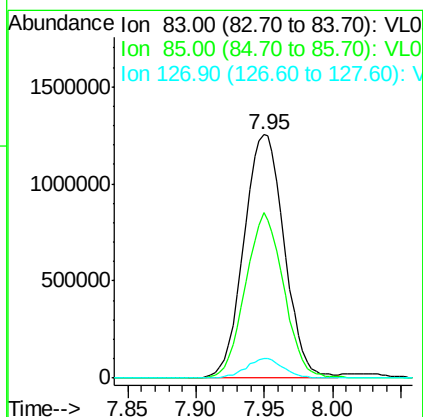
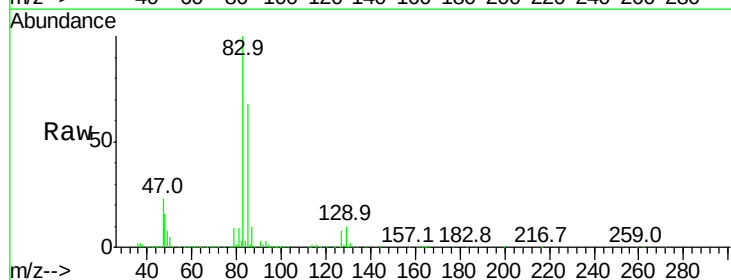
Tgt Ion: 83 Resp: 2578927

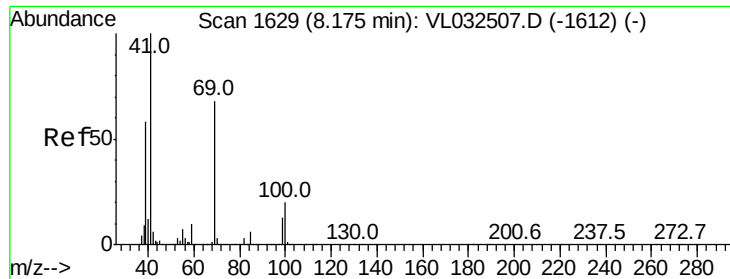
Ion Ratio Lower Upper

83 100

85 67.8 51.1 76.7

127 7.9 5.8 8.8

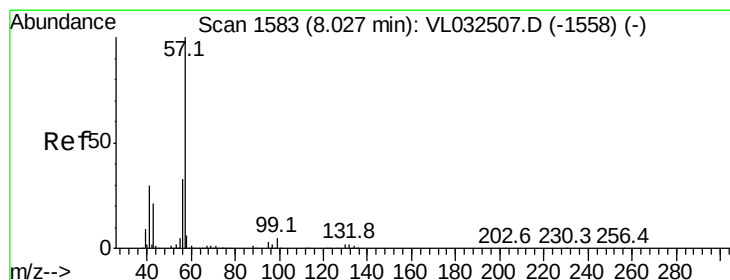
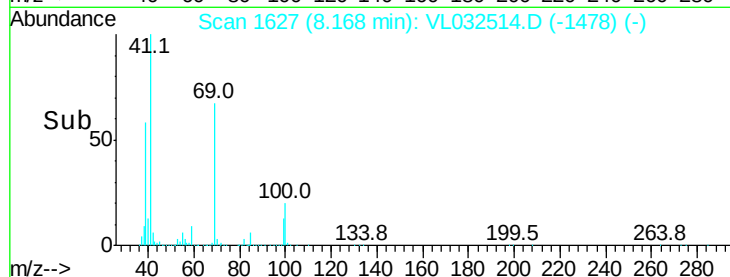
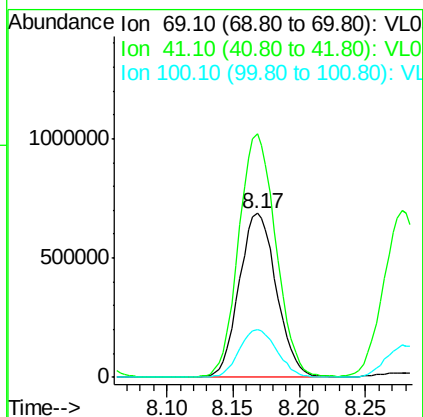
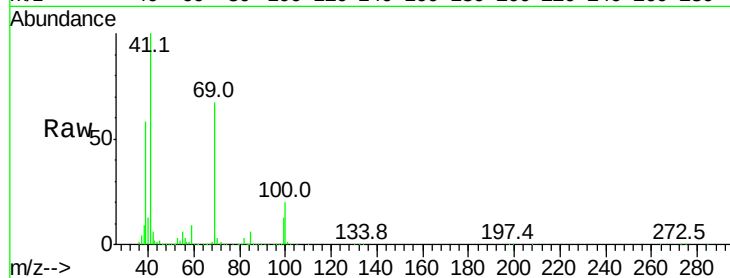




#43
Methyl Methacrylate
Concen: 10.216 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

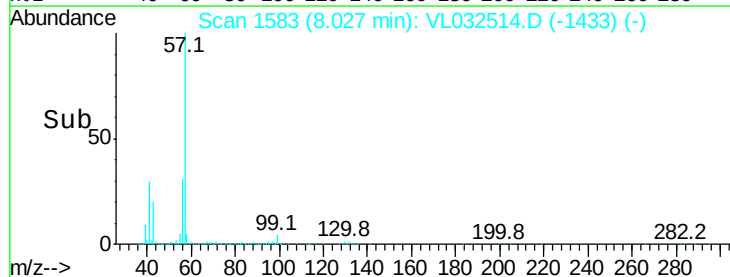
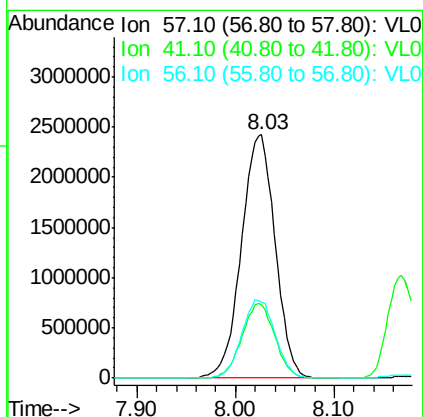
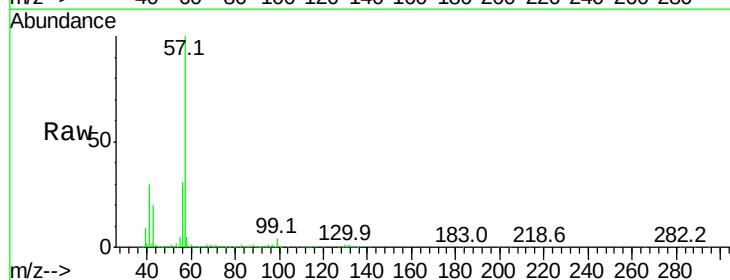
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

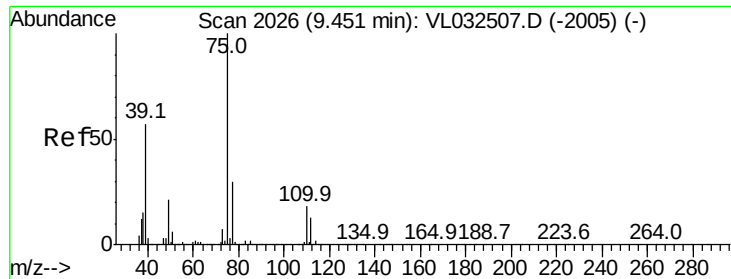
Tgt Ion: 69 Resp: 1344476
Ion Ratio Lower Upper
69 100
41 147.4 117.1 175.7
100 29.5 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.548 ppbv
RT: 8.03 min Scan# 1583
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

Tgt Ion: 57 Resp: 5726508
Ion Ratio Lower Upper
57 100
41 29.7 24.4 36.6
56 31.8 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 13.478 ppbv

RT: 9.45 min Scan# 2025

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

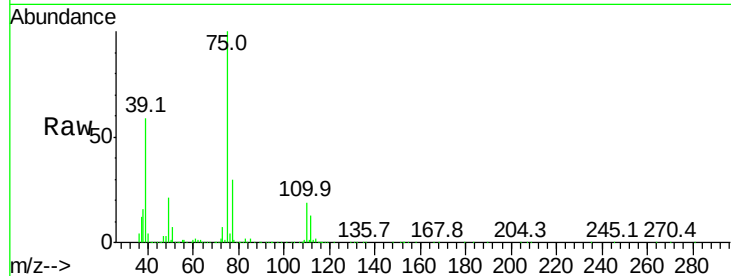
VSTDICCC010

Tgt Ion: 75 Resp: 1898079

Ion Ratio Lower Upper

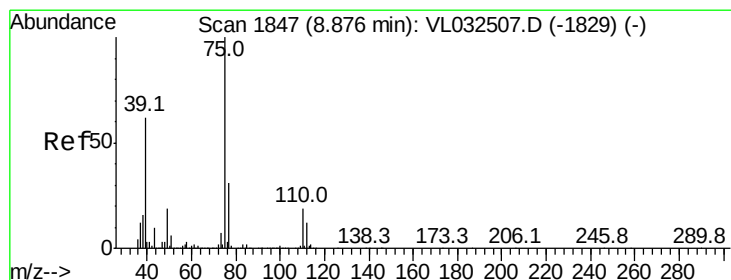
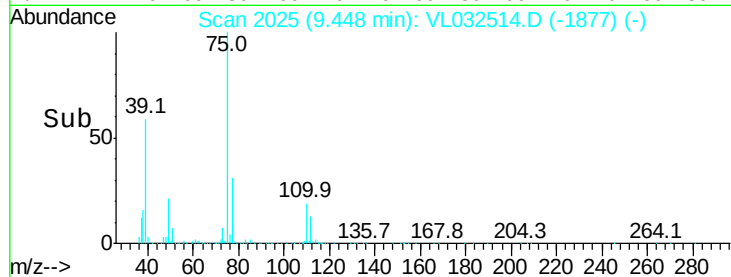
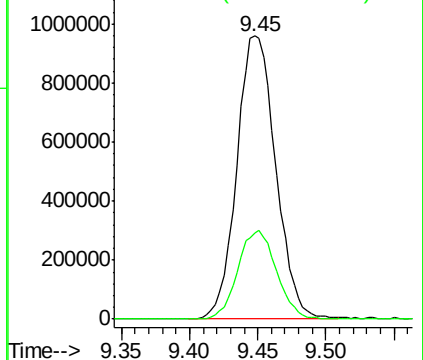
75 100

77 30.5 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.548 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

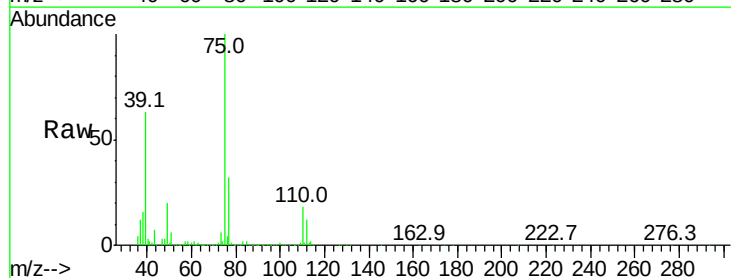
Tgt Ion: 75 Resp: 2078143

Ion Ratio Lower Upper

75 100

39 62.8 48.9 73.3

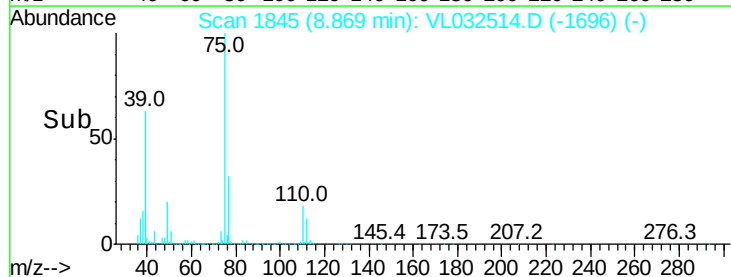
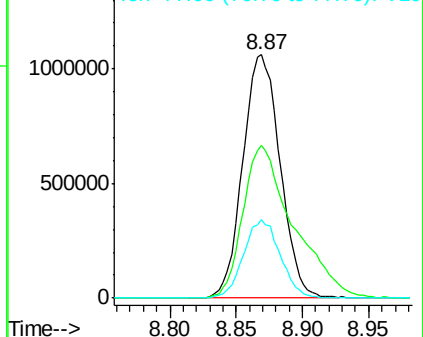
77 32.3 25.4 38.0

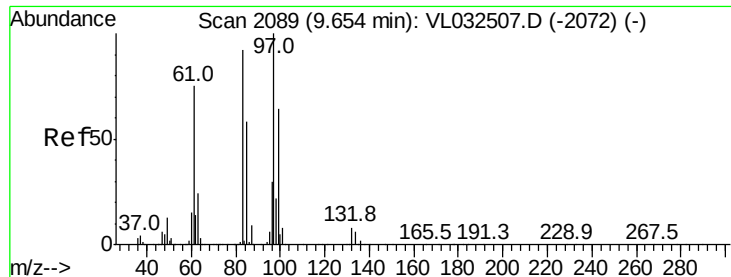


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



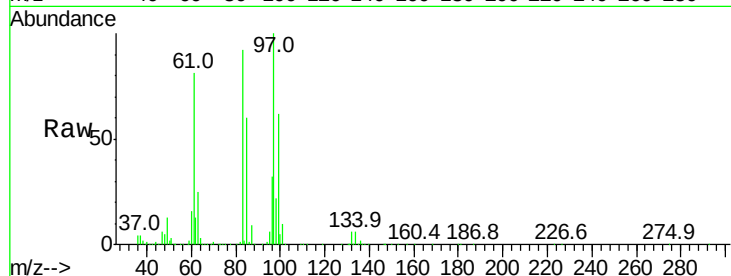


#47
 1,1,2-Trichloroethane
 Concen: 10.048 ppbv
 RT: 9.65 min Scan# 2087
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 1417883

Ion	Ratio	Lower	Upper
97	100		
83	91.9	75.0	112.4
85	59.8	47.5	71.3
99	61.7	49.0	73.6

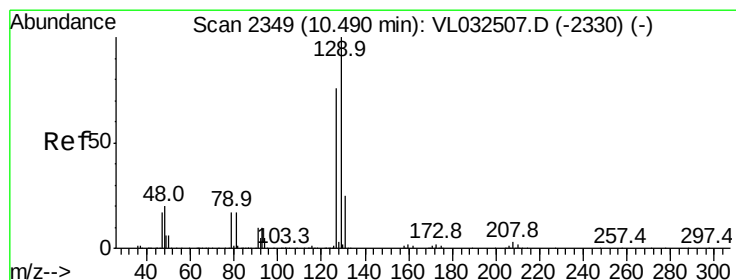
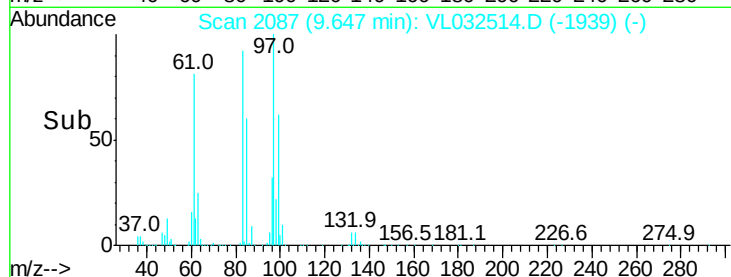
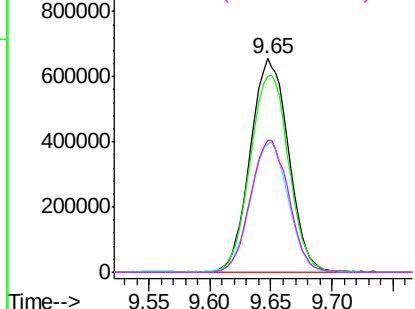


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

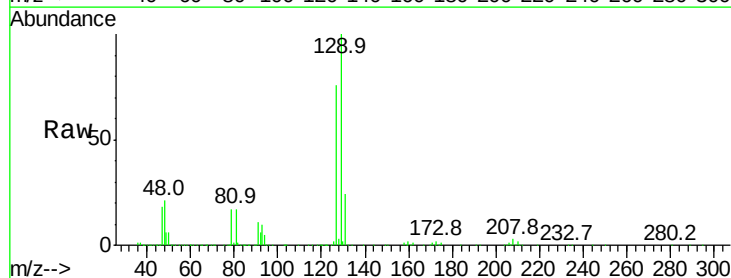
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.895 ppbv
 RT: 10.48 min Scan# 2347
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

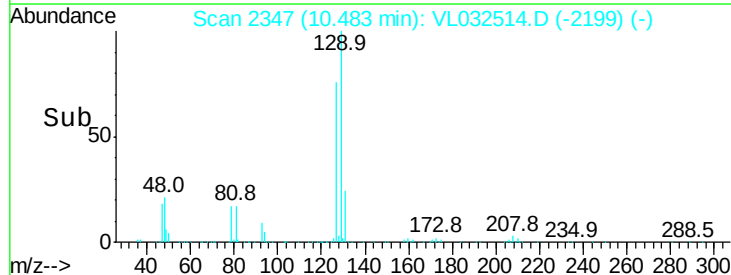
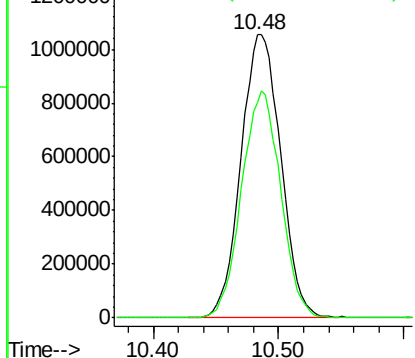
Tgt Ion: 129 Resp: 2324666

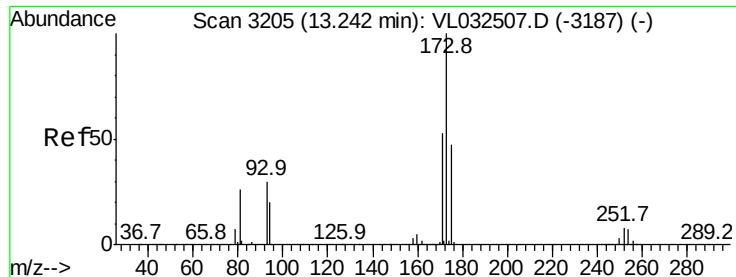
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.5	118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.521 ppbv

RT: 13.24 min Scan# 3204

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

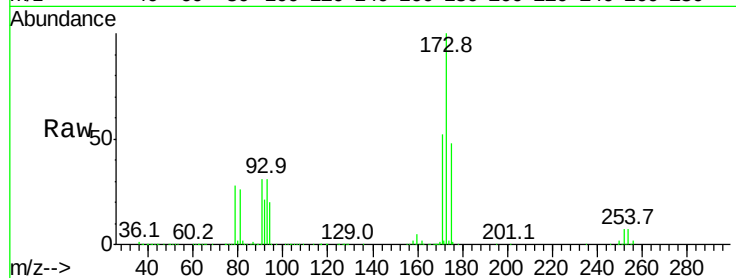
Tgt Ion:173 Resp: 1787232

Ion Ratio Lower Upper

173 100

175 48.9 38.9 58.3

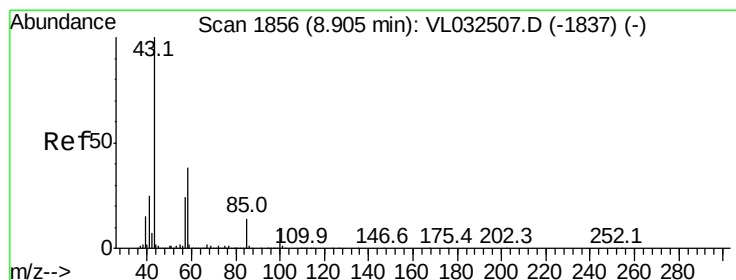
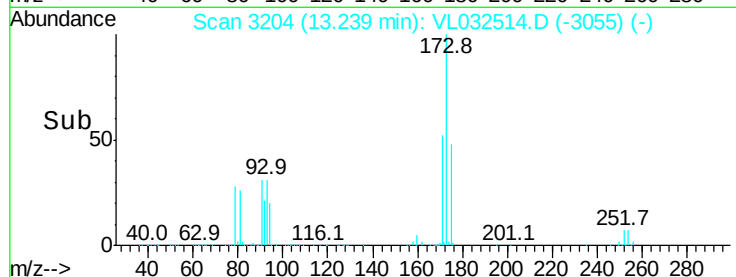
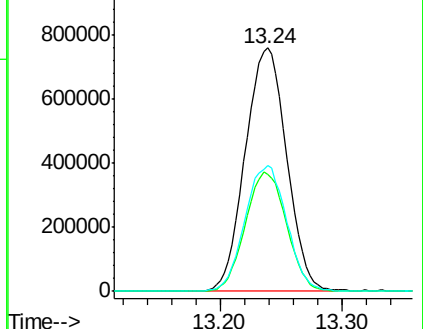
171 52.2 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.740 ppbv

RT: 8.90 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL032514.D

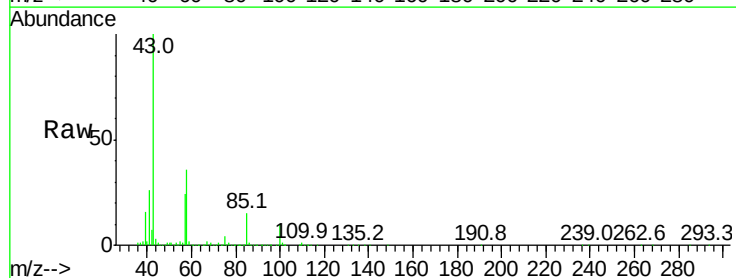
Acq: 24 Sep 2018 16:26

Tgt Ion: 43 Resp: 3552566

Ion Ratio Lower Upper

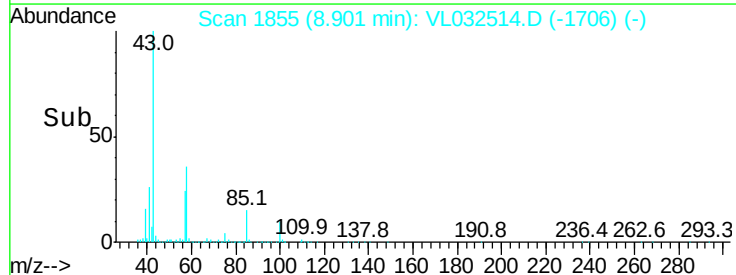
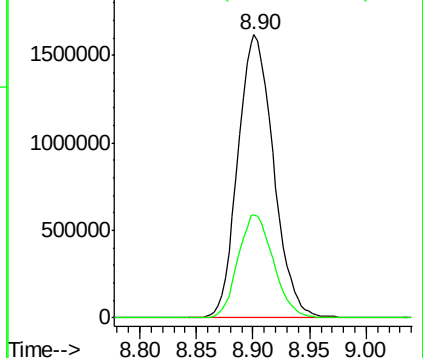
43 100

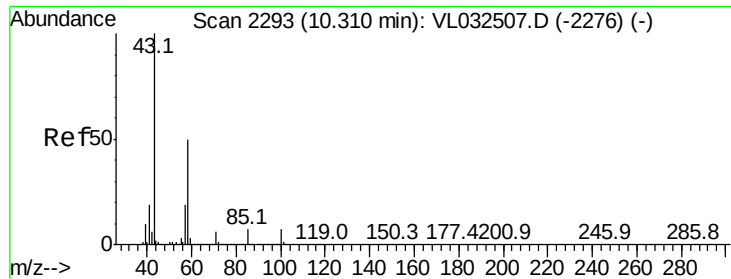
58 36.2 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 13.414 ppbv

RT: 10.30 min Scan# 2291

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

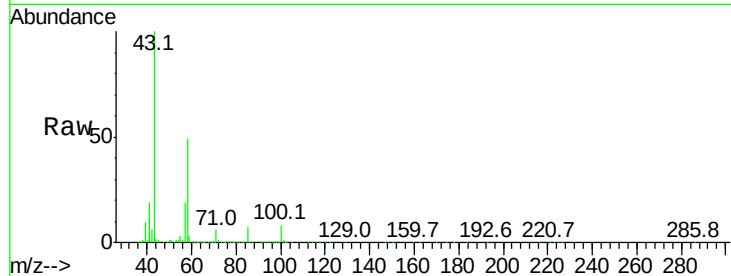
Tgt Ion: 43 Resp: 3151451

Ion Ratio Lower Upper

43 100

58 49.0 39.2 58.8

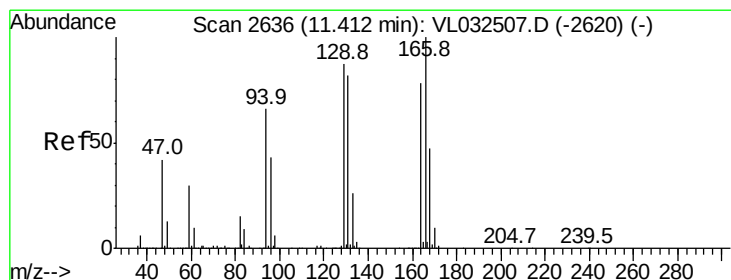
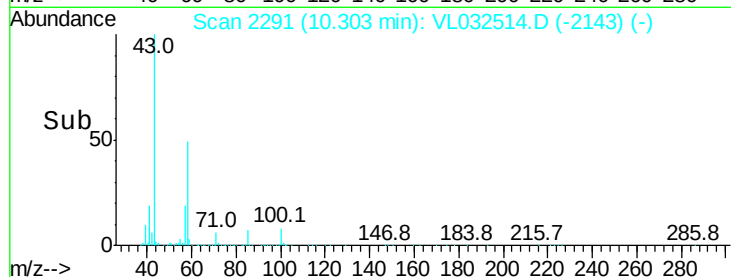
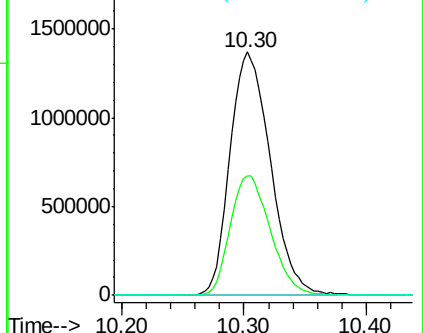
98 0.2 0.4 0.6#



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: 10.455 ppbv

RT: 11.41 min Scan# 2635

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 164 Resp: 1005658

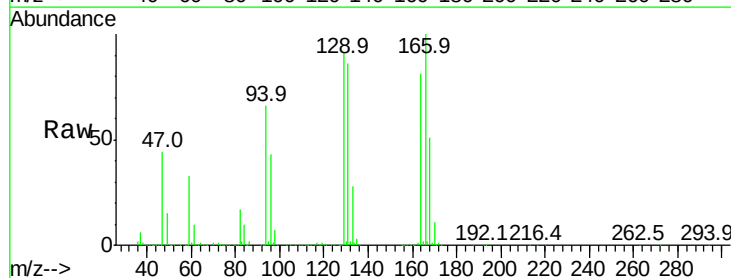
Ion Ratio Lower Upper

164 100

166 122.9 100.6 150.8

129 112.5 89.9 134.9

131 106.4 85.9 128.9

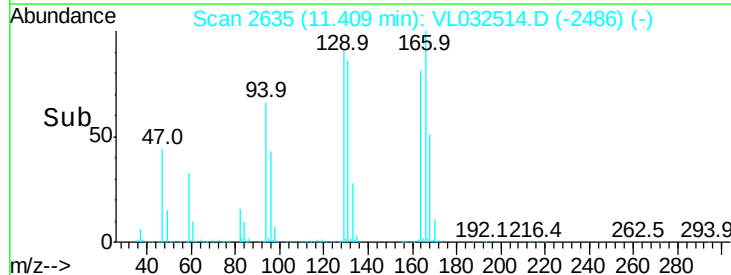
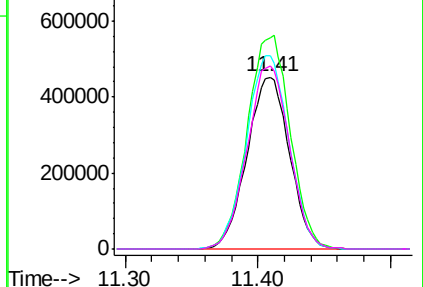


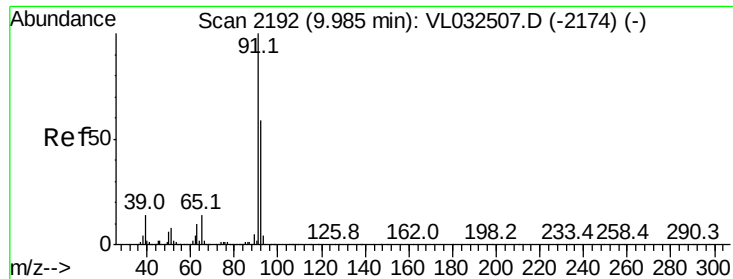
Abundance Ion 163.90 (163.60 to 164.60): V

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: 12.295 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

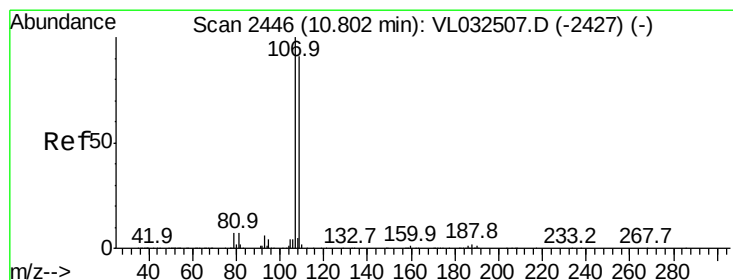
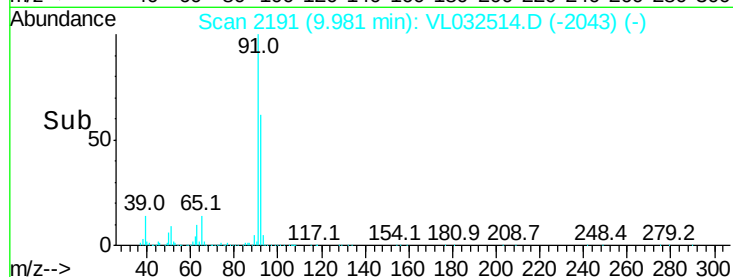
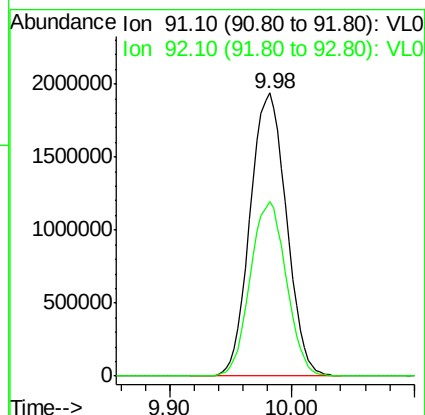
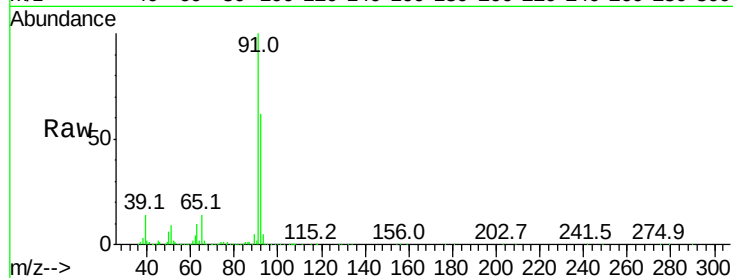
VSTDICCC010

Tgt Ion: 91 Resp: 3986756

Ion Ratio Lower Upper

91 100

92 61.2 48.1 72.1



#54

1,2-Dibromoethane

Concen: 11.319 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032514.D

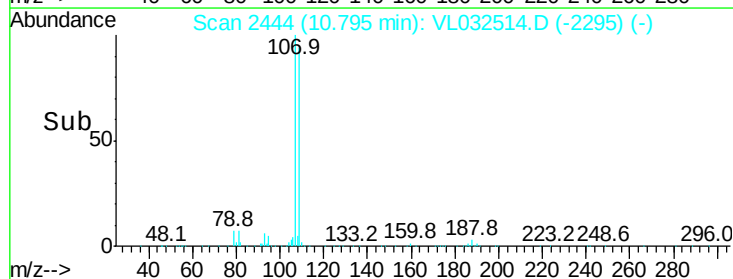
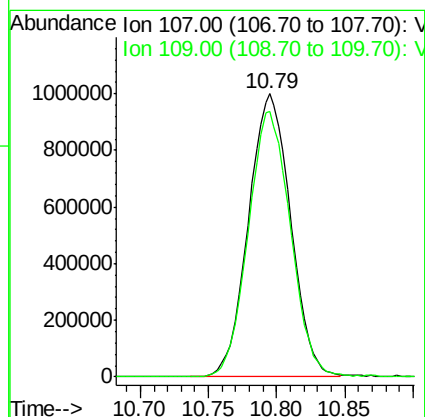
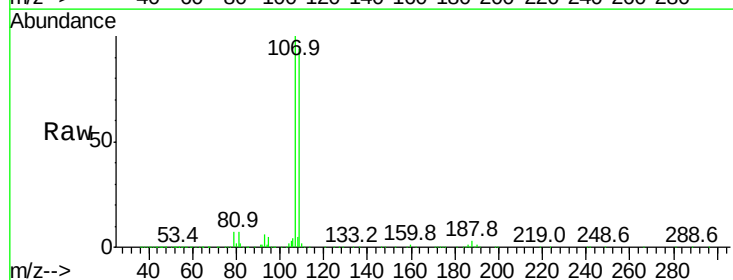
Acq: 24 Sep 2018 16:26

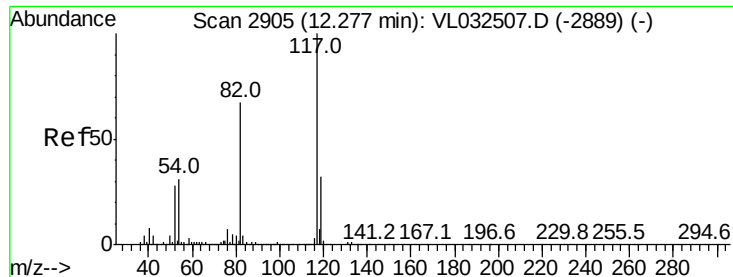
Tgt Ion: 107 Resp: 2144520

Ion Ratio Lower Upper

107 100

109 93.9 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

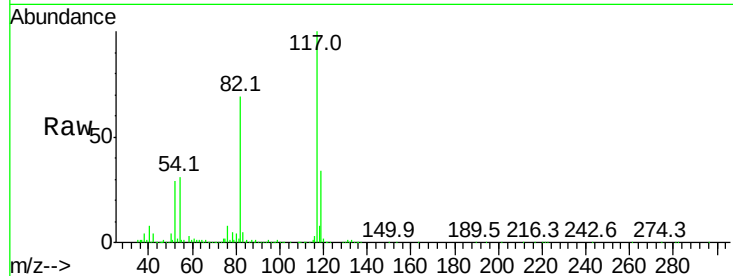
Tgt Ion:117 Resp: 3988212

Ion Ratio Lower Upper

117 100

82 62.6 53.0 79.6

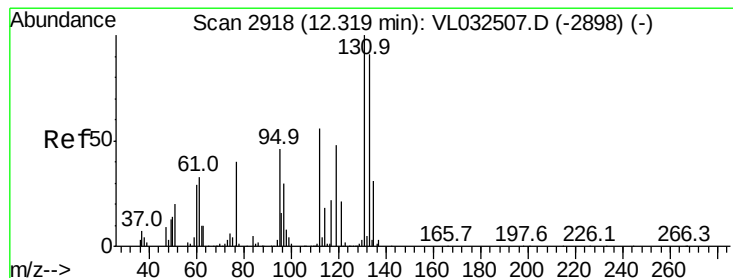
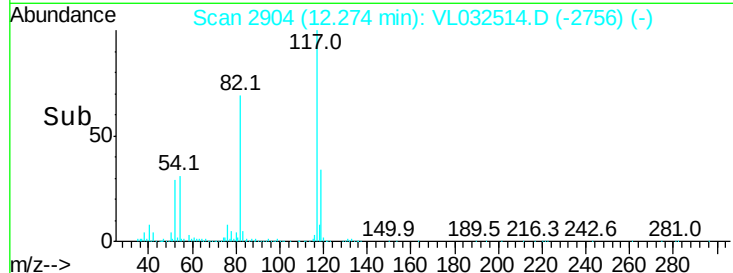
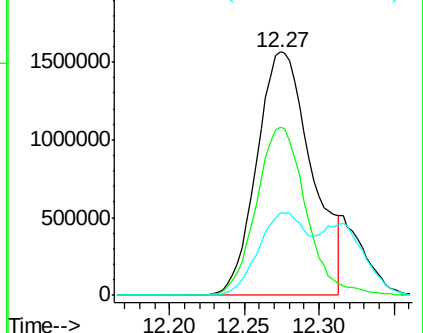
119 32.3 45.9 68.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.585 ppbv

RT: 12.32 min Scan# 2917

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

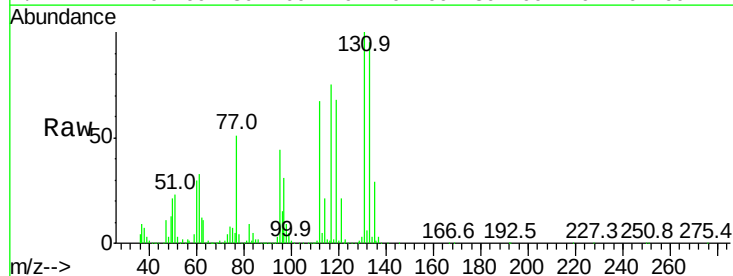
Tgt Ion:131 Resp: 1543671

Ion Ratio Lower Upper

131 100

133 94.0 77.0 115.4

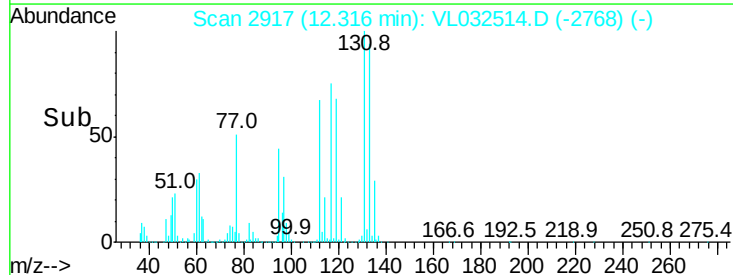
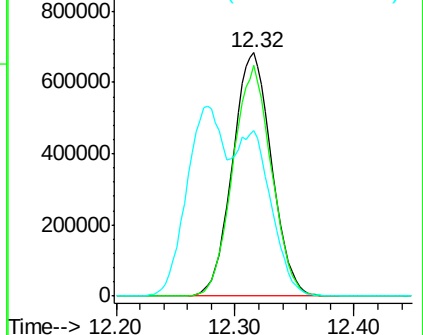
119 61.4 114.2 171.2#

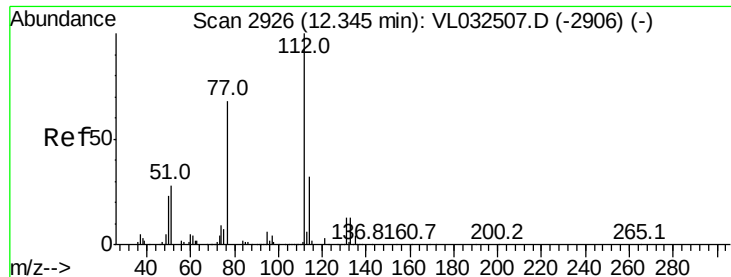


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

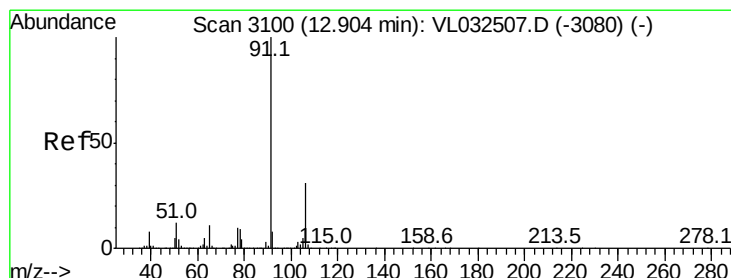
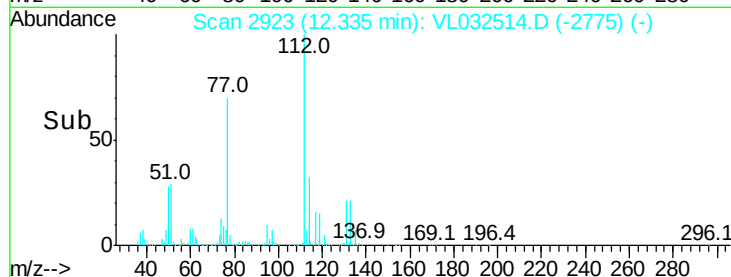
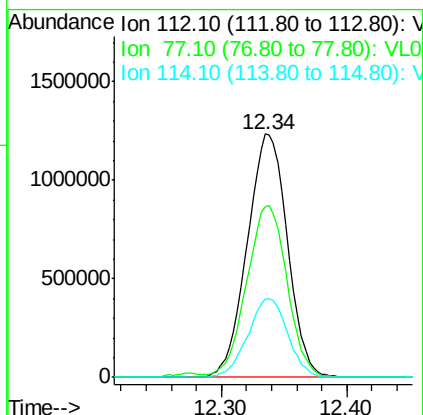
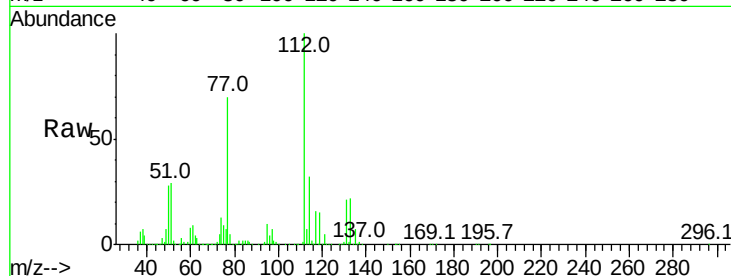




#57
Chlorobenzene
Concen: 8.629 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

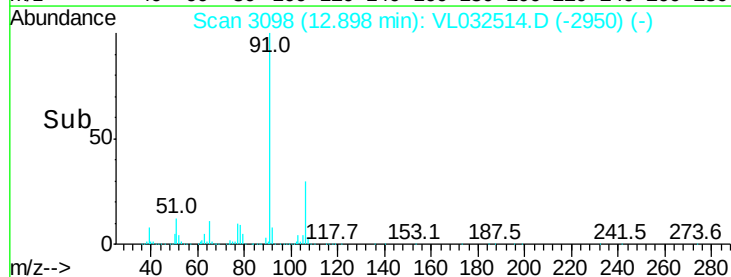
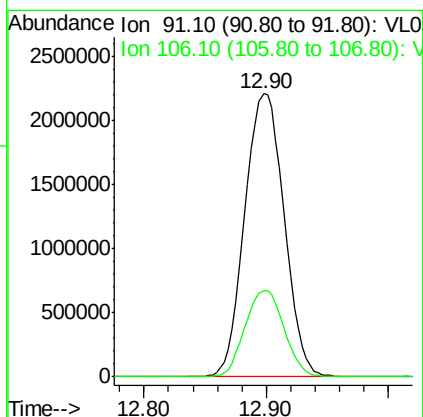
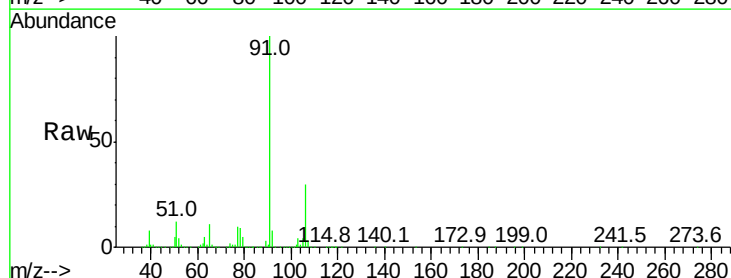
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

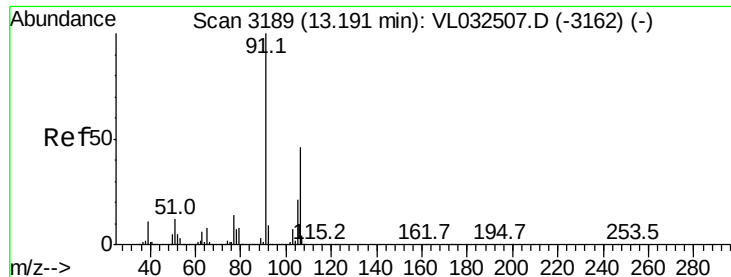
Tgt Ion: 112 Resp: 2750412
Ion Ratio Lower Upper
112 100
77 69.8 56.1 84.1
114 32.2 27.8 34.0



#58
Ethyl Benzene
Concen: 10.321 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032514.D
Acq: 24 Sep 2018 16:26

Tgt Ion: 91 Resp: 4925674
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2





#59

m/p-Xylene

Concen: 9.400 ppbv

RT: 13.18 min Scan# 3187

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

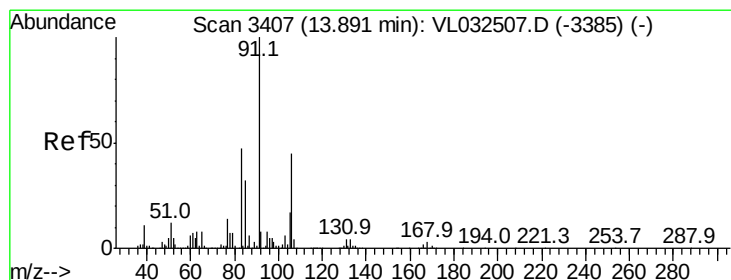
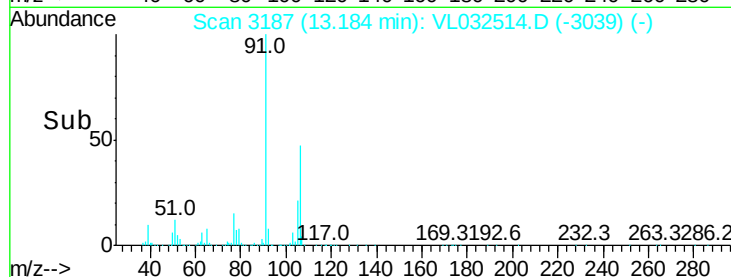
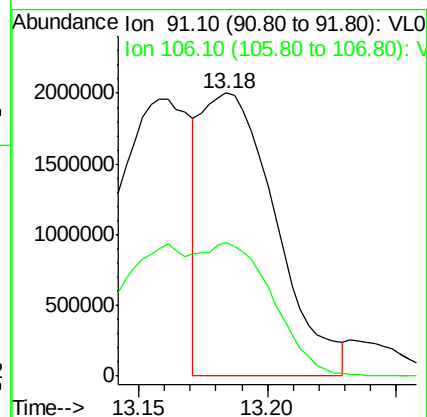
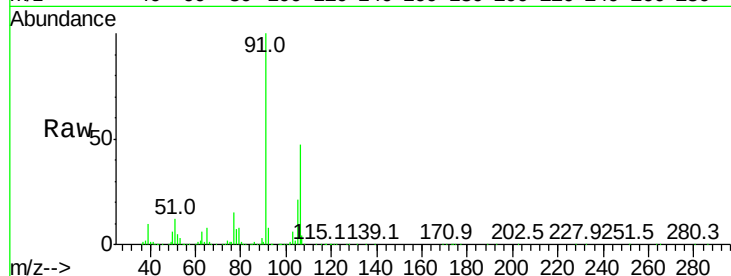
VSTDICCC010

Tgt Ion: 91 Resp: 3999711

Ion Ratio Lower Upper

91 100

106 91.9 36.6 55.0#



#60

o-Xylene

Concen: 9.378 ppbv

RT: 13.88 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL032514.D

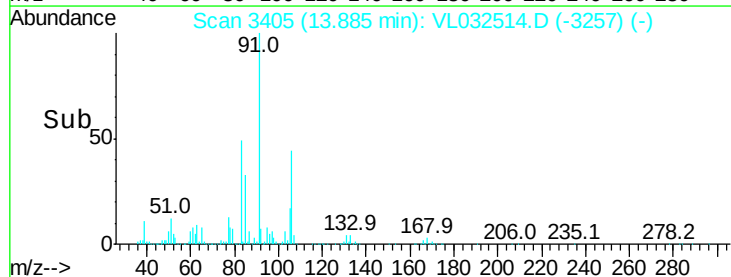
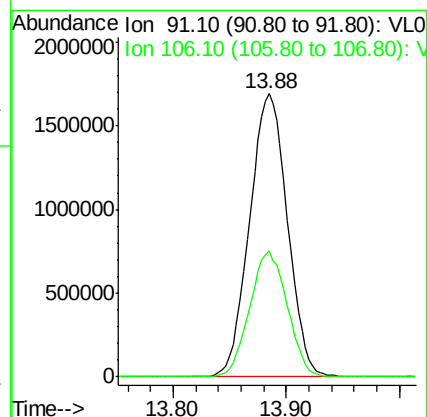
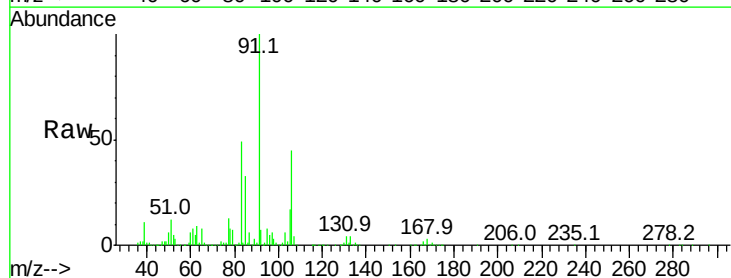
Acq: 24 Sep 2018 16:26

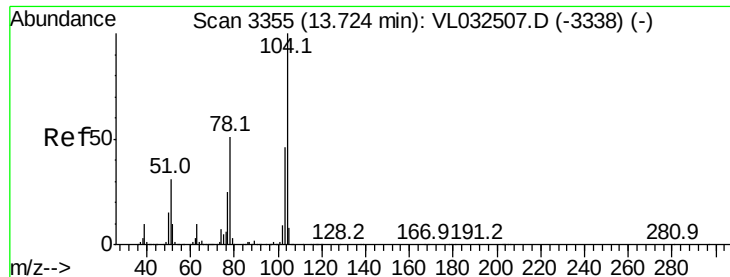
Tgt Ion: 91 Resp: 3919495

Ion Ratio Lower Upper

91 100

106 44.3 21.9 65.7





#61

Styrene

Concen: 11.022 ppbv

RT: 13.72 min Scan# 3353

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

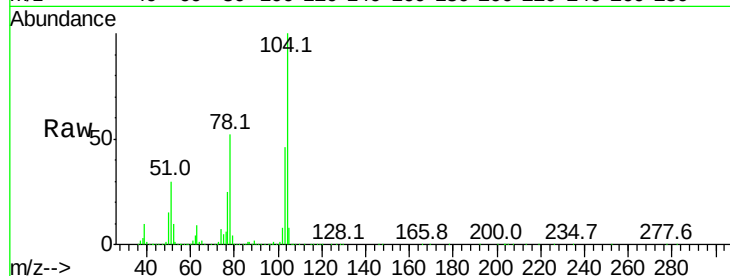
Tgt Ion:104 Resp: 2982404

Ion Ratio Lower Upper

104 100

78 53.0 41.8 62.8

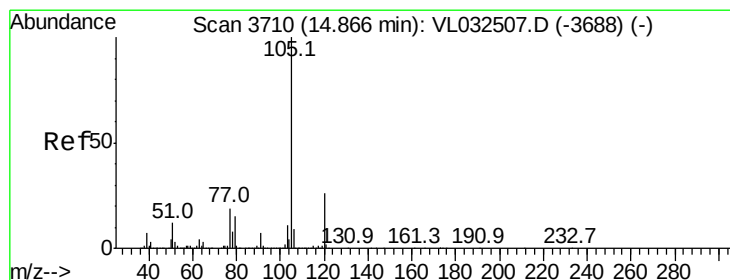
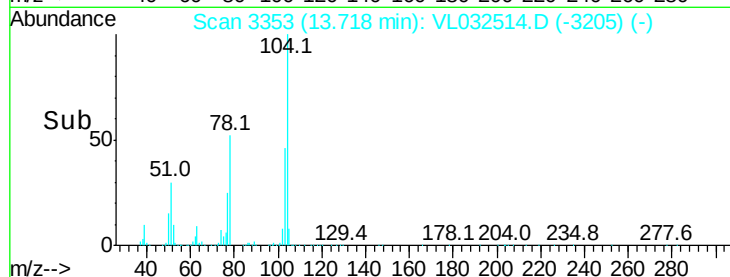
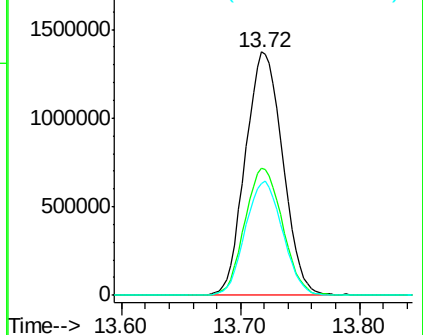
103 47.0 38.0 57.0



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: 9.492 ppbv

RT: 14.86 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL032514.D

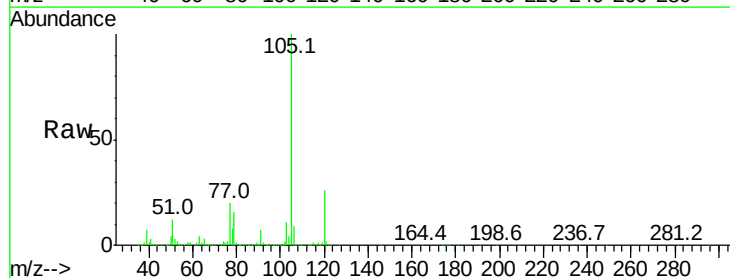
Acq: 24 Sep 2018 16:26

Tgt Ion:105 Resp: 5577384

Ion Ratio Lower Upper

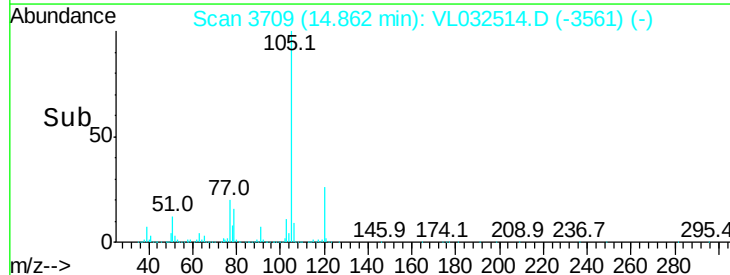
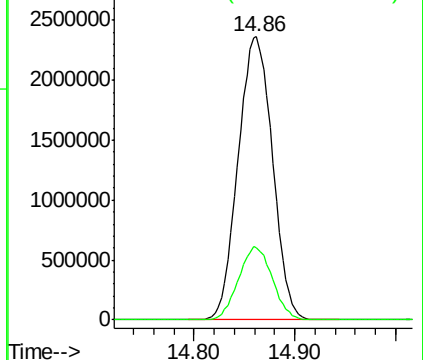
105 100

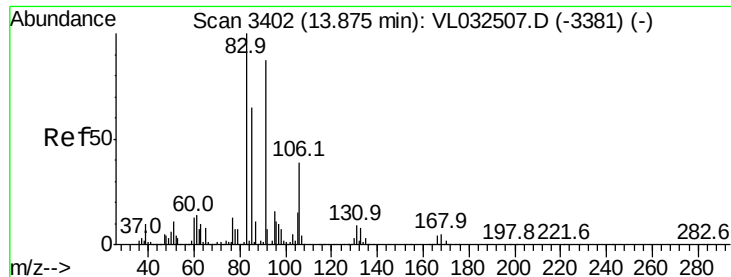
120 25.4 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

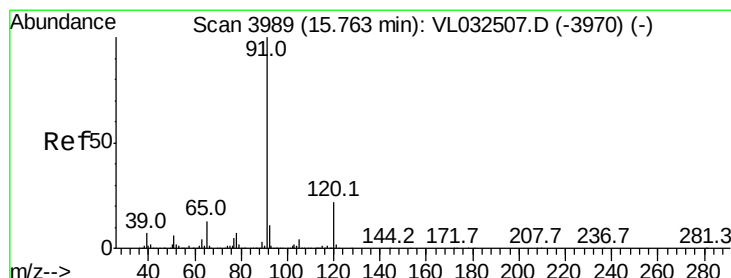
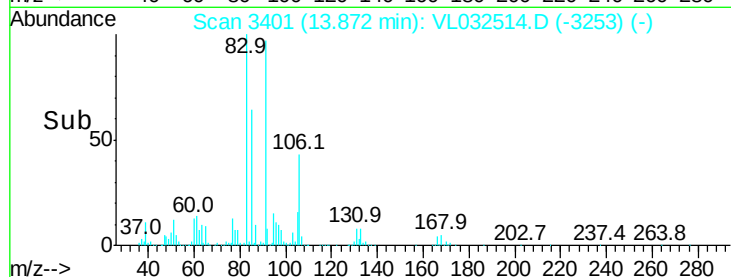
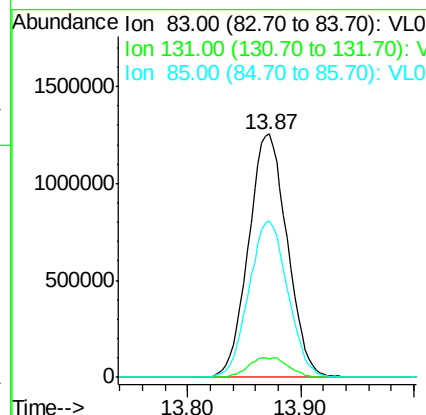
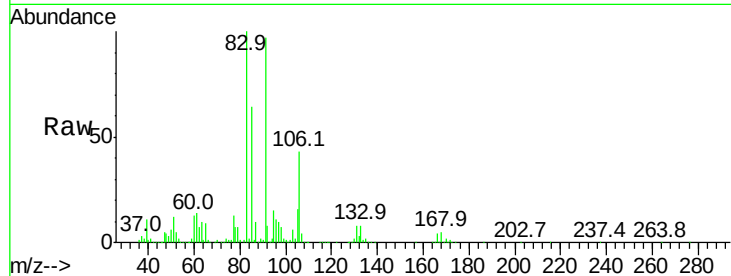




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.987 ppbv
 RT: 13.87 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

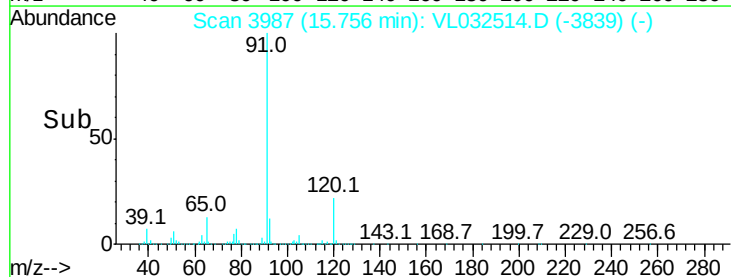
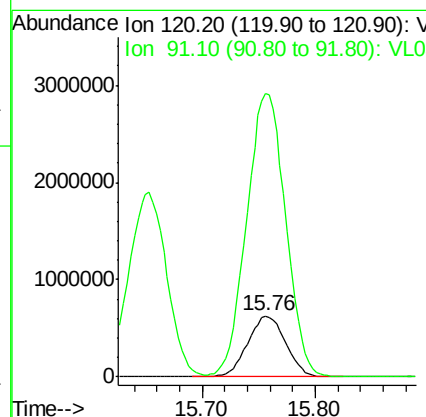
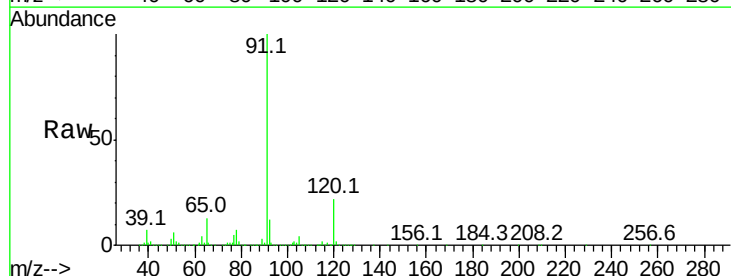
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

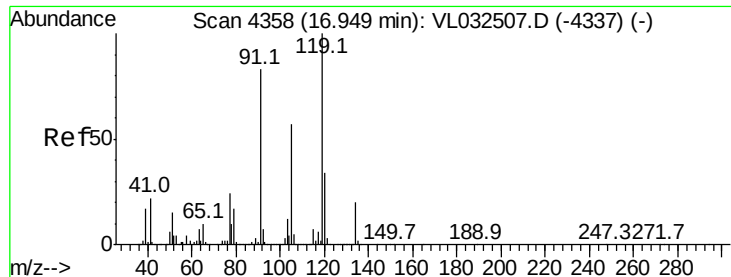
Tgt Ion: 83 Resp: 2984639
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 64.9 32.3 96.8



#64
 n-propylbenzene
 Concen: 9.459 ppbv
 RT: 15.76 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion: 120 Resp: 1452912
 Ion Ratio Lower Upper
 120 100
 91 480.6 381.8 572.6





#65

tert-Butylbenzene

Concen: 9.168 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

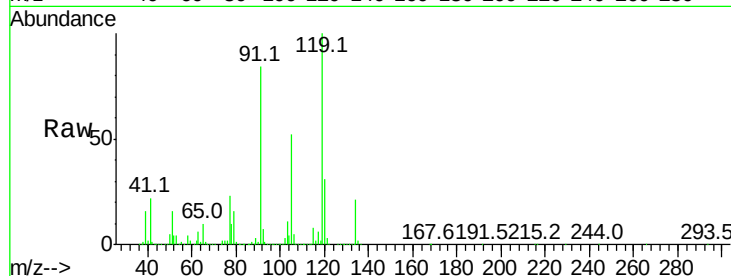
Tgt Ion:119 Resp: 4641842

Ion Ratio Lower Upper

119 100

91 83.4 66.5 99.7

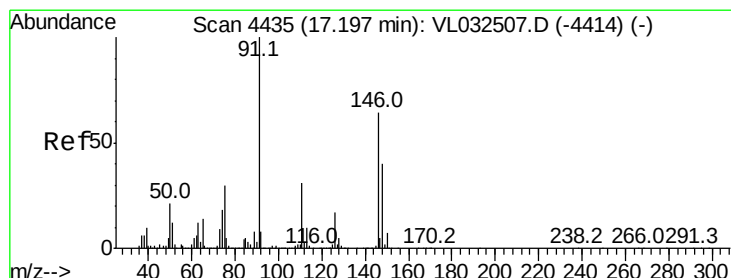
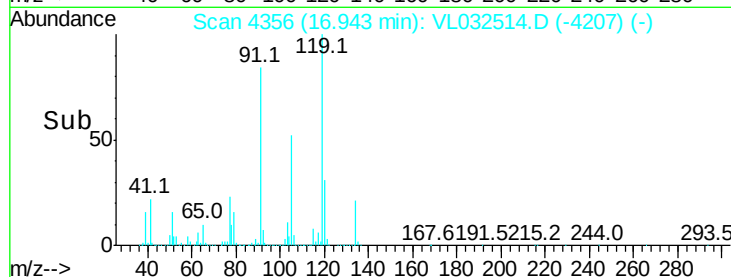
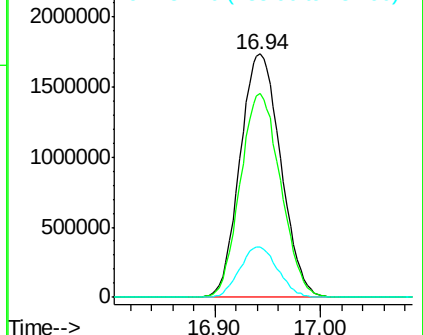
134 19.4 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.614 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

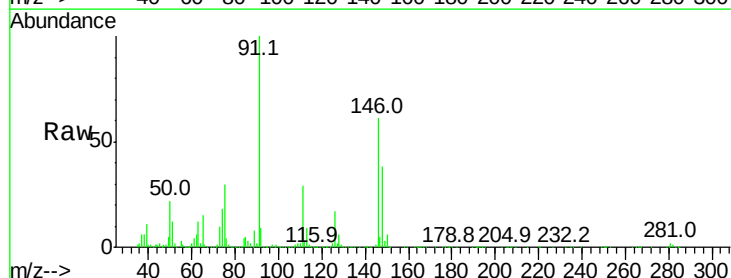
Tgt Ion: 91 Resp: 2993606

Ion Ratio Lower Upper

91 100

126 17.2 13.8 20.8

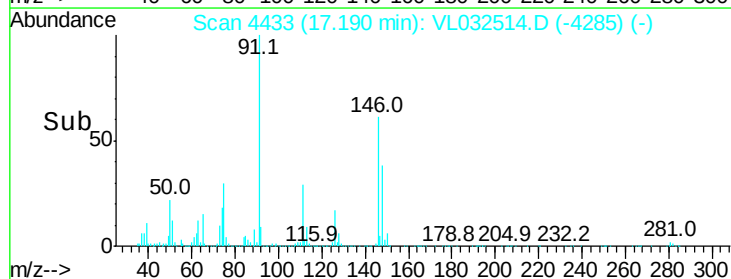
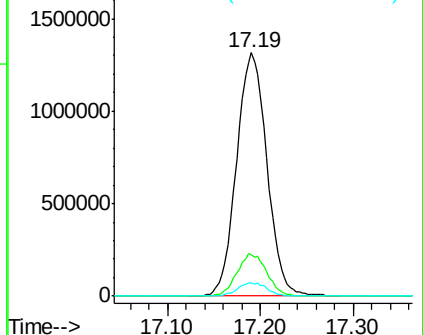
128 5.4 4.4 6.6

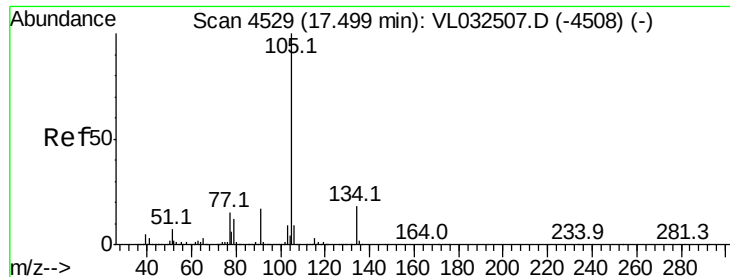


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.057 ppbv

RT: 17.49 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

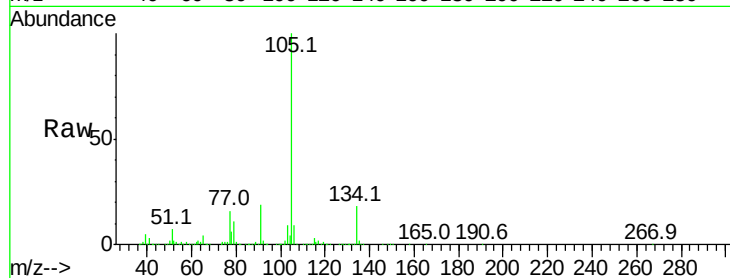
VSTDICCC010

Tgt Ion:105 Resp: 6896186

Ion Ratio Lower Upper

105 100

134 17.8 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.49

3000000

2500000

2000000

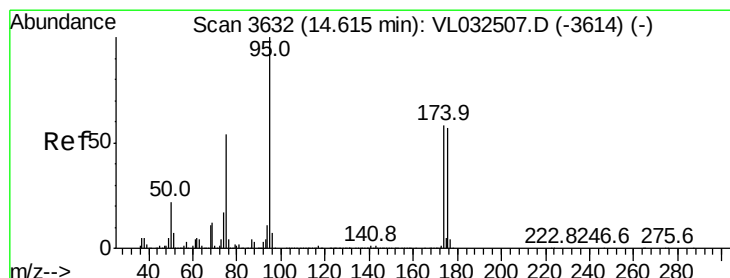
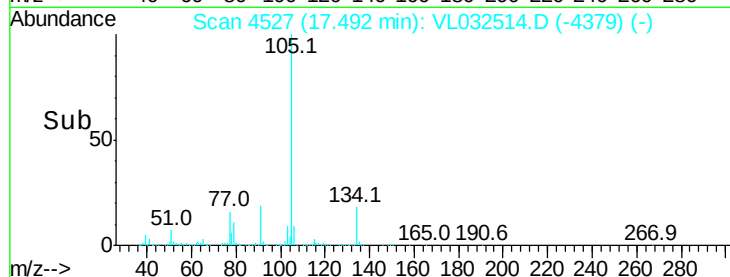
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.455 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

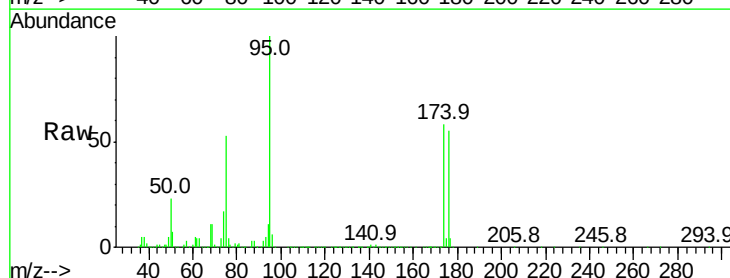
Tgt Ion: 95 Resp: 2799485

Ion Ratio Lower Upper

95 100

174 58.2 46.3 69.5

175 4.1 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

14.61

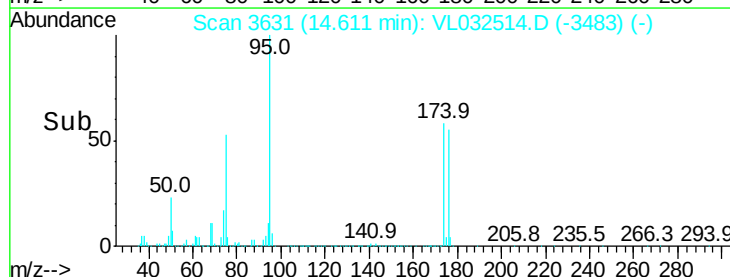
1500000

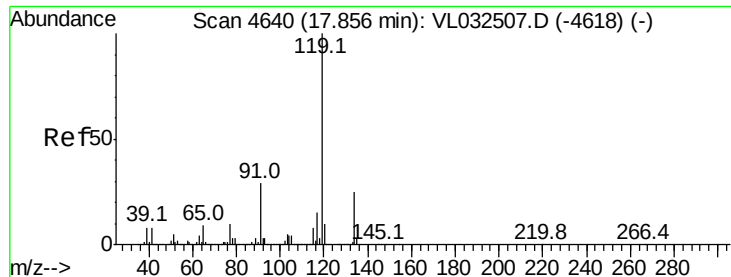
1000000

500000

0

Time-->

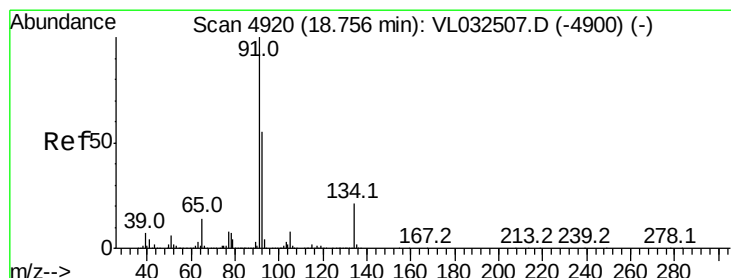
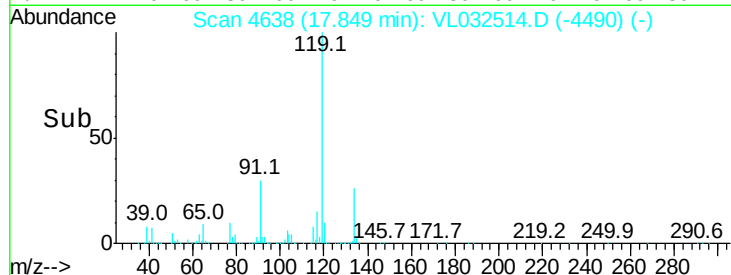
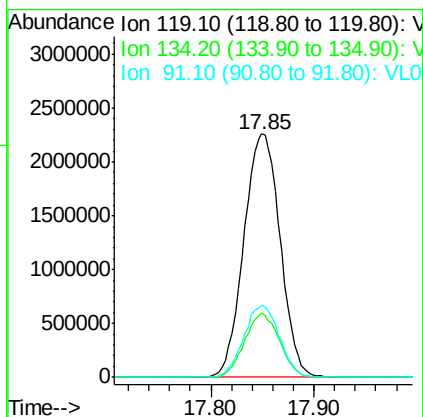
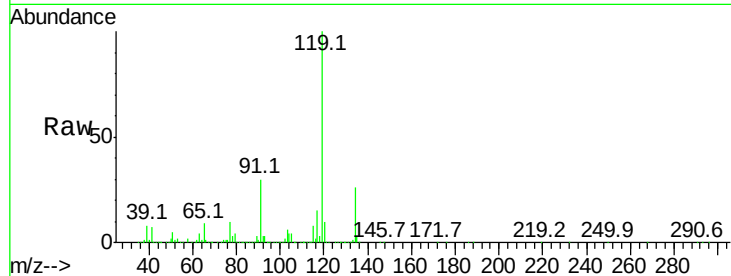




#69
 p-Isopropyltoluene
 Concen: 9.333 ppbv
 RT: 17.85 min Scan# 4638
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

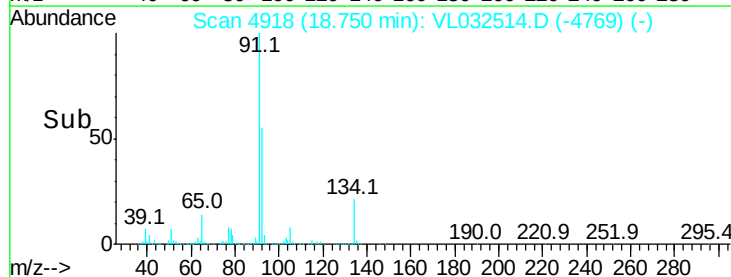
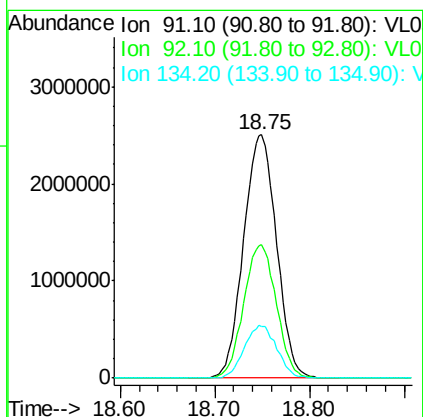
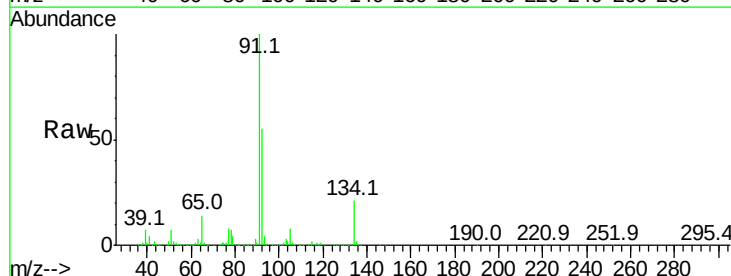
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

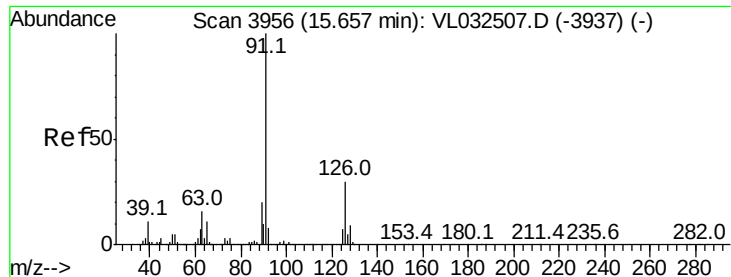
Tgt Ion: 119 Resp: 5507299
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.4 30.6
 91 29.1 23.4 35.2



#70
 n-Butylbenzene
 Concen: 9.047 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion: 91 Resp: 6051700
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.8
 134 21.4 17.4 26.0





#71

2-Chlorotoluene

Concen: 9.798 ppbv

RT: 15.65 min Scan# 3955

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

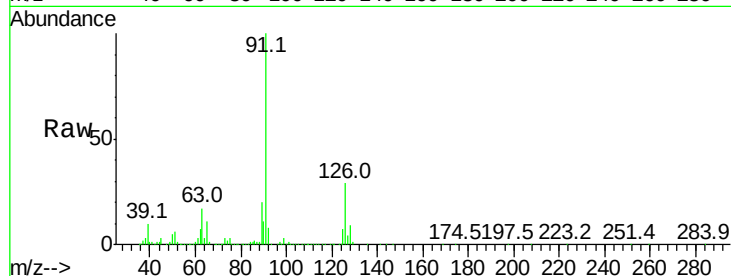
VSTDICCC010

Tgt Ion: 91 Resp: 4398191

Ion Ratio Lower Upper

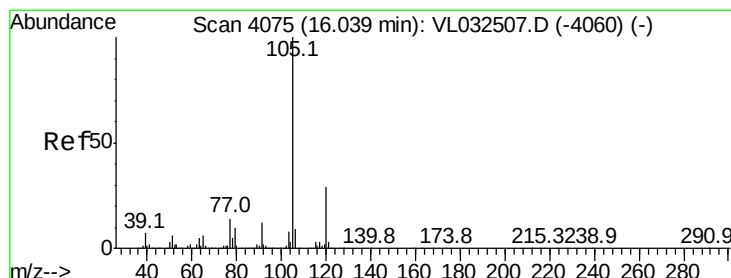
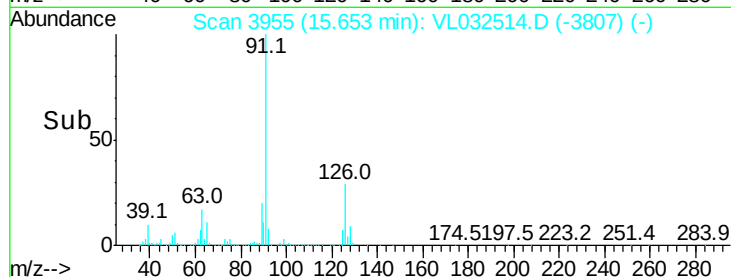
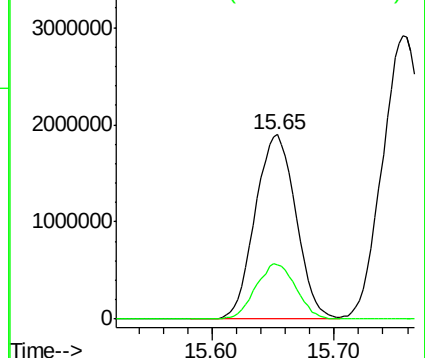
91 100

126 29.5 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.008 ppbv

RT: 16.03 min Scan# 4073

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion: 105 Resp: 4567145

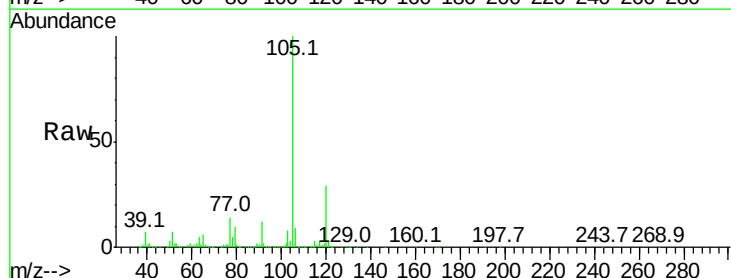
Ion Ratio Lower Upper

105 100

120 29.2 23.5 35.3

91 12.7 10.2 15.2

77 14.3 11.1 16.7

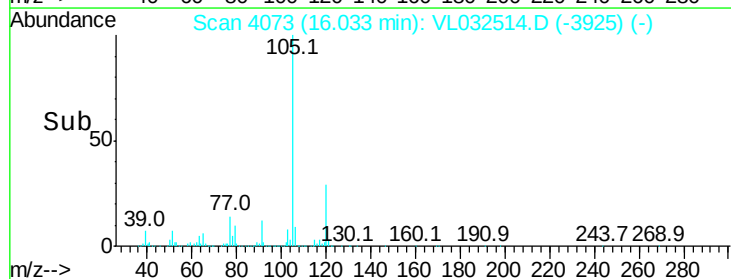
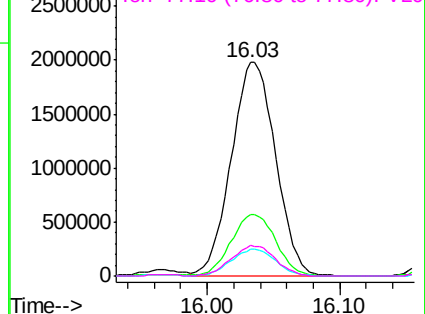


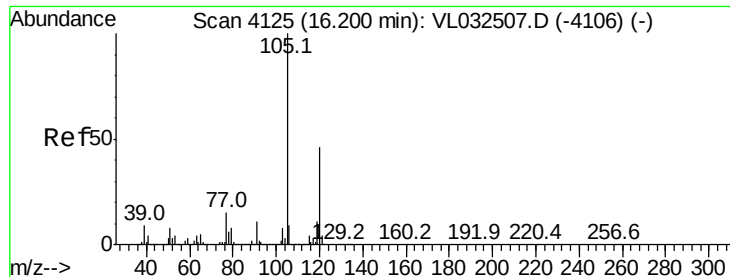
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

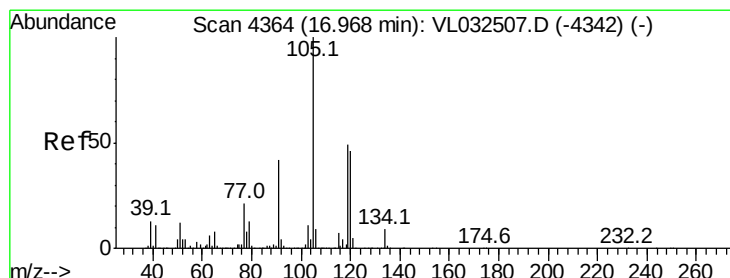
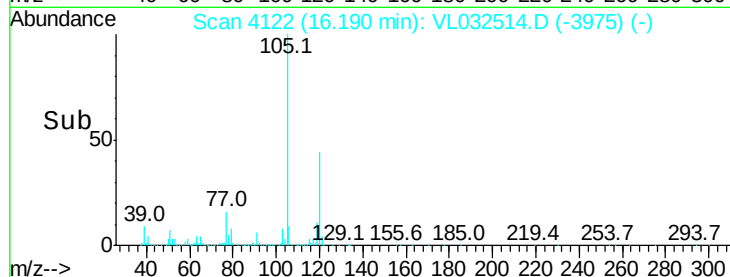
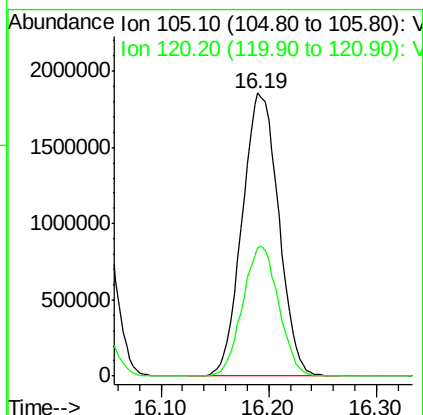
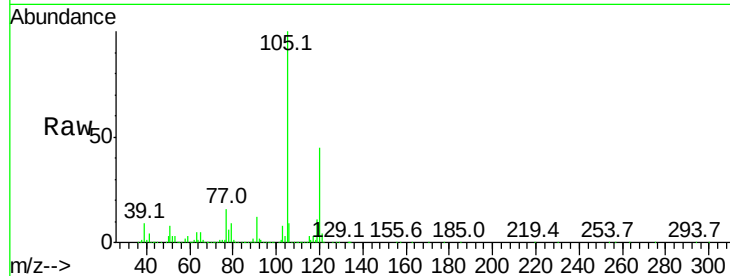




#73
 1,3,5-Trimethylbenzene
 Concen: 9.540 ppbv
 RT: 16.19 min Scan# 4122
 Delta R.T. -0.03 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

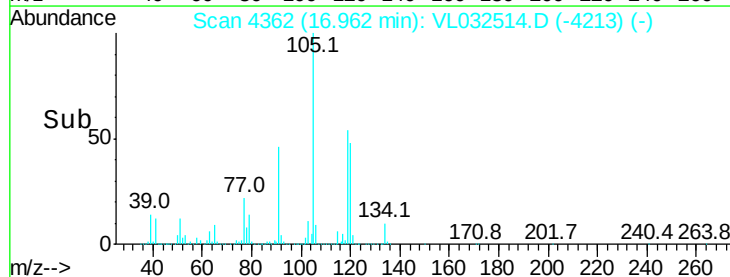
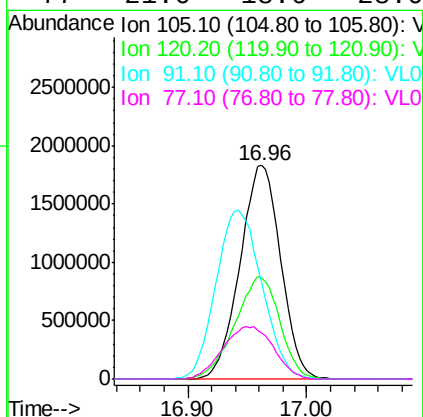
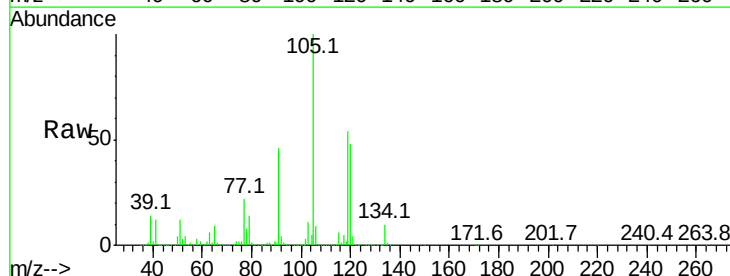
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

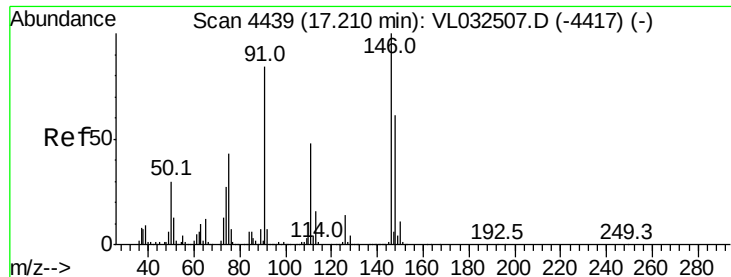
Tgt Ion:105 Resp: 4361620
 Ion Ratio Lower Upper
 105 100
 120 45.2 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 8.648 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion:105 Resp: 4322532
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.8 56.8
 91 45.6 41.4 62.0
 77 21.6 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.235 ppbv

RT: 17.20 min Scan# 4436

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

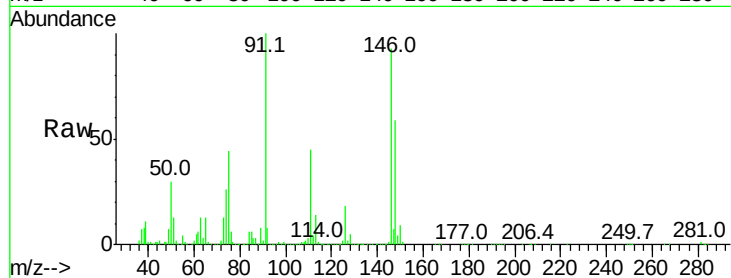
Tgt Ion:146 Resp: 2442212

Ion Ratio Lower Upper

146 100

111 48.9 24.5 73.5

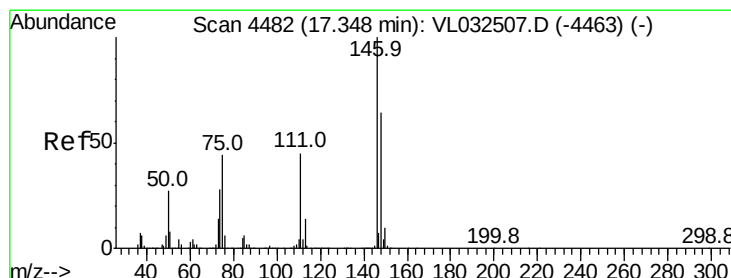
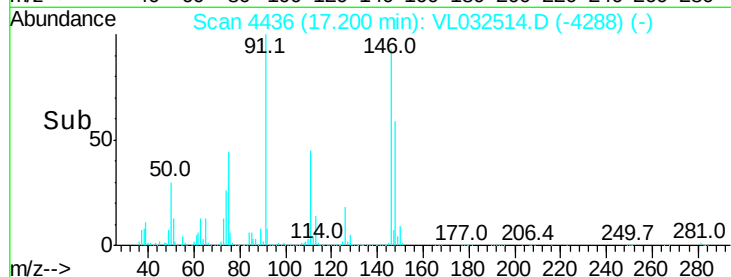
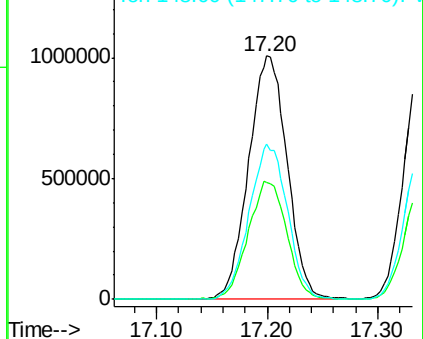
148 63.7 32.0 96.2



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: 8.994 ppbv

RT: 17.34 min Scan# 4480

Delta R.T. -0.02 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

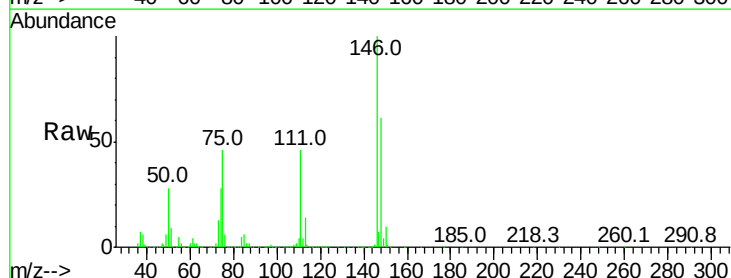
Tgt Ion:146 Resp: 2475015

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.2

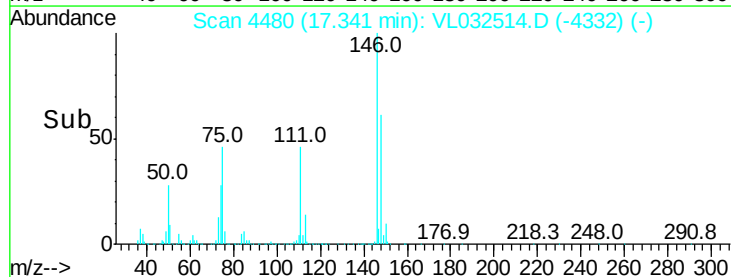
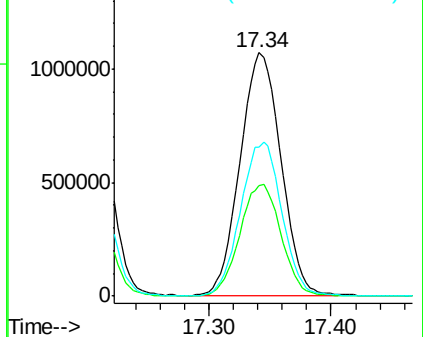
148 64.2 32.0 96.2

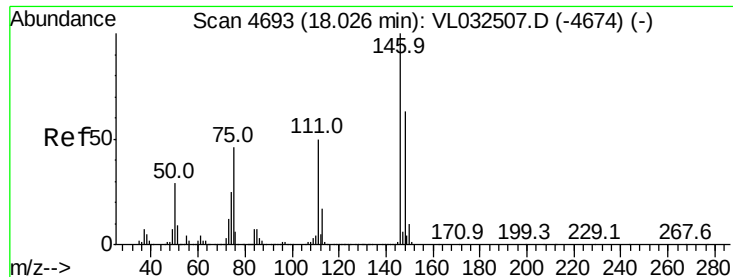


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

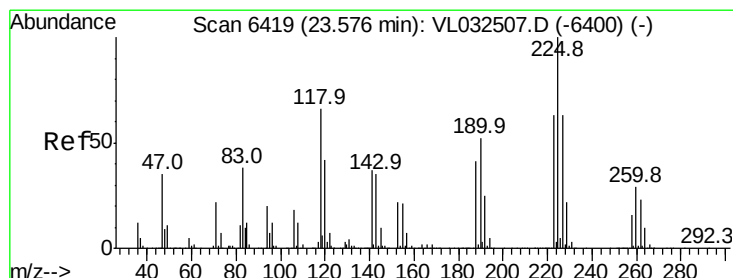
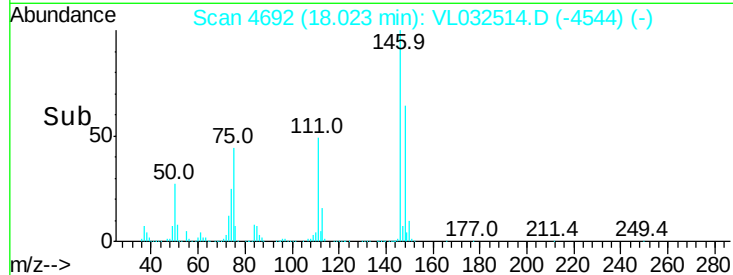
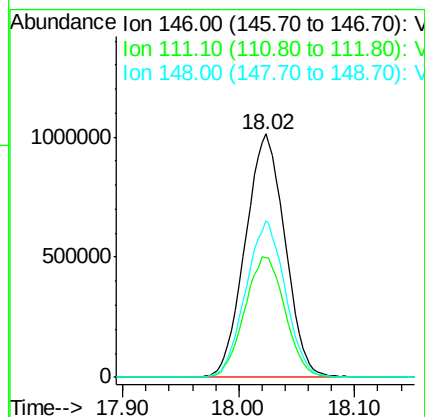
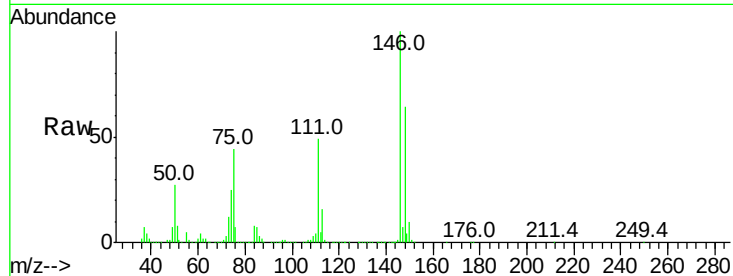




#77
 1,2-Dichlorobenzene
 Concen: 8.440 ppbv
 RT: 18.02 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

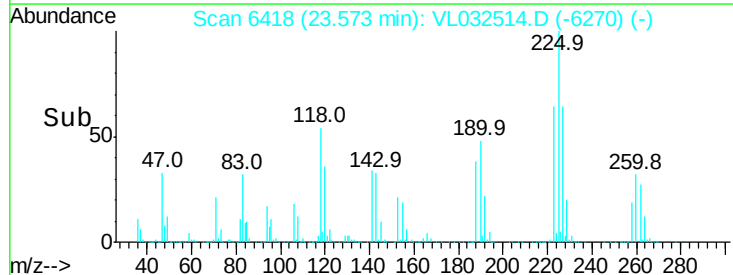
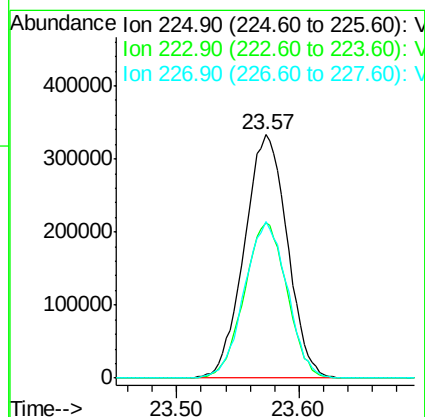
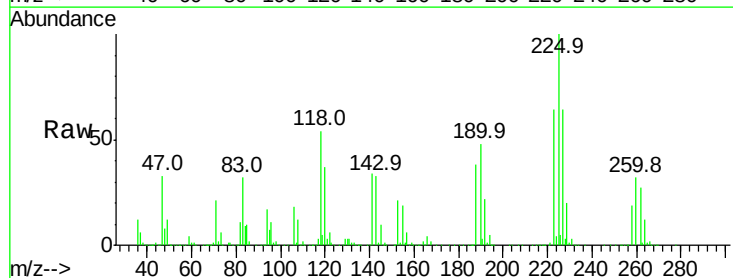
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

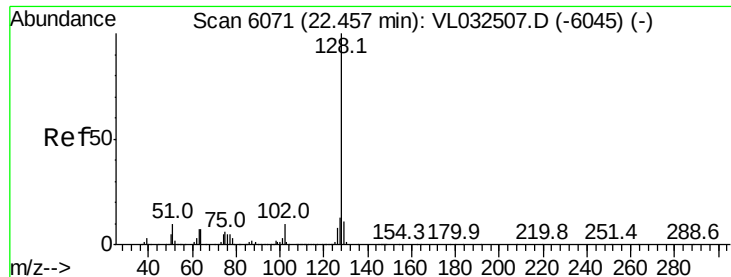
Tgt Ion:146 Resp: 2415077
 Ion Ratio Lower Upper
 146 100
 111 50.3 24.9 74.8
 148 63.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.586 ppbv
 RT: 23.57 min Scan# 6418
 Delta R.T. -0.02 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Tgt Ion:225 Resp: 811002
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.6 76.0
 227 64.0 51.2 76.8





#79

Naphthalene

Concen: 9.981 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Instrument :

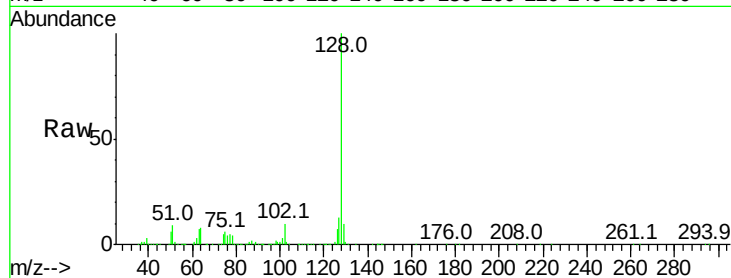
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:128 Resp: 4056752

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.4	8.5	12.7

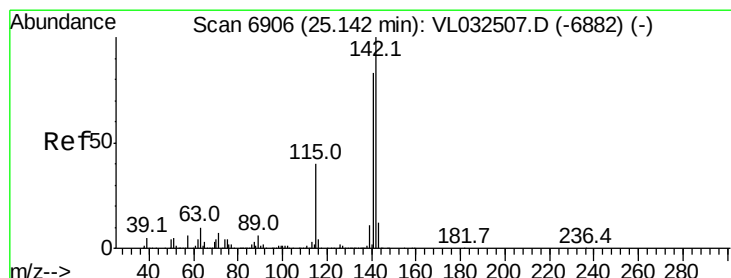
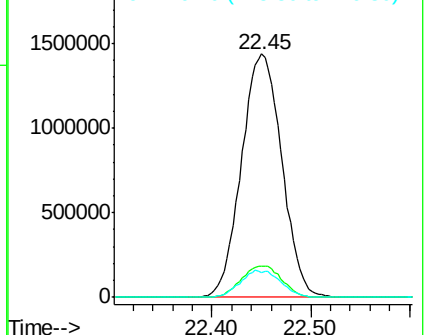
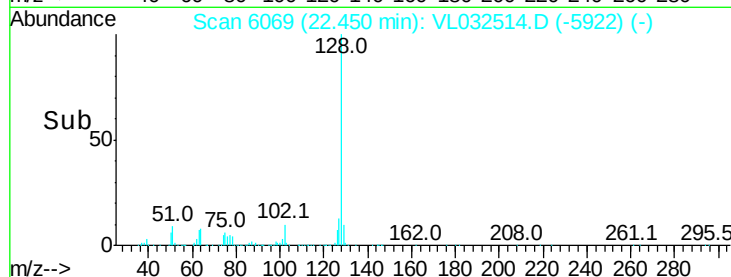


Abundance

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: 14.204 ppbv

RT: 25.14 min Scan# 6905

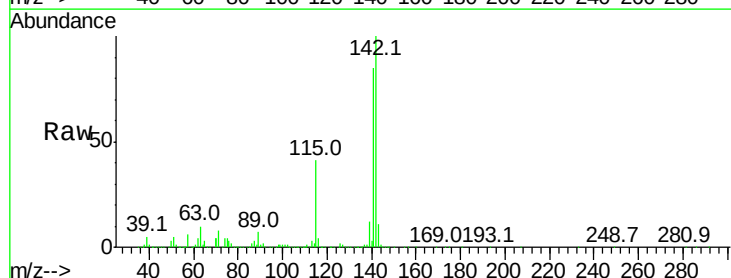
Delta R.T. -0.01 min

Lab File: VL032514.D

Acq: 24 Sep 2018 16:26

Tgt Ion:142 Resp: 1536155

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.0	100.6
115	40.2	31.3	46.9

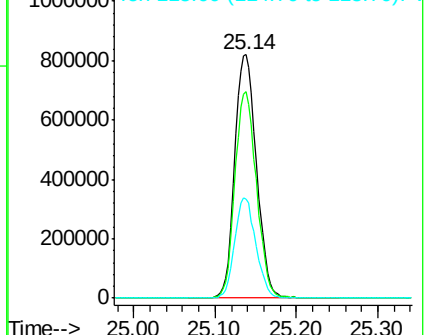
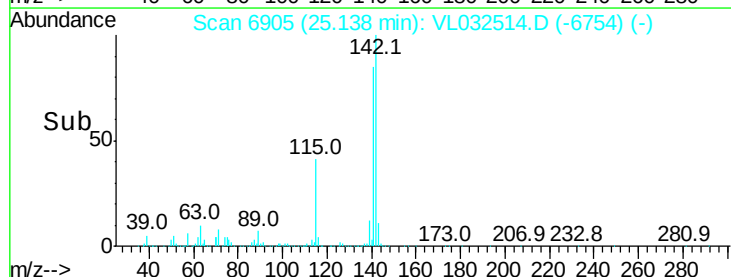


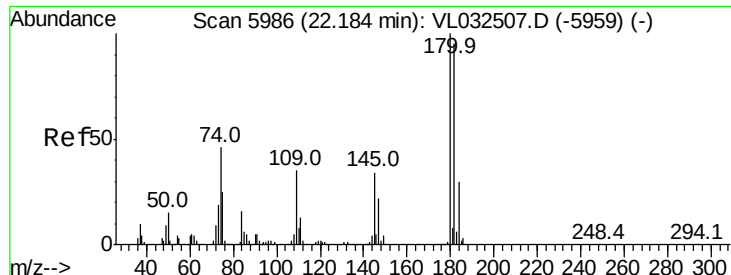
Abundance

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: 9.421 ppbv
 RT: 22.17 min Scan# 5983
 Delta R.T. -0.03 min
 Lab File: VL032514.D
 Acq: 24 Sep 2018 16:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1928583
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.1 114.1
 184 30.0 23.8 35.8

