

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL050318\
 Data File : VL031960.D
 Acq On : 3 May 2018 11:24
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 03 12:07:09 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 12:00:23 2018
 QLast Update : Thu May 03 12:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1281463	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2569488	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	3159255	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.72	95	1998659	7.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.16	85	1548545	5.859	ppbv 98
3) Chlorodifluoromethane	3.10	51	1093355	7.336	ppbv 96
4) Chloromethane	3.25	50	617377	8.115	ppbv 97
5) Vinyl Chloride	3.38	62	634883	7.411	ppbv 99
6) Bromomethane	3.60	94	440363	7.821	ppbv 98
7) Chloroethane	3.69	64	252675	7.398	ppbv # 86
8) Dichlorotetrafluoroethane	3.31	85	1548504	7.135	ppbv 97
9) Propene	3.12	41	443166	8.600	ppbv 98
10) Heptane	8.38	43	1457184	8.715	ppbv 99
11) Trichlorofluoromethane	4.10	101	1716437	6.624	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1290784	7.665	ppbv 95
13) Ethanol	3.75	45	41492	2.372	ppbv # 38
14) Bromoethene	3.88	108	496003	7.811	ppbv 99
15) Acetone	4.00	43	1375464	6.974	ppbv 99
16) 1,3-Butadiene	3.45	39	596319	8.171	ppbv 96
17) tert-Butyl alcohol	4.46	59	715602	8.780	ppbv 99
18) 1,1-Dichloroethene	4.46	96	563001	7.783	ppbv 92
19) Isopropyl Alcohol	4.12	45	857161	7.781	ppbv 99
20) Methylene Chloride	4.51	84	548423	7.635	ppbv 95
21) Allyl Chloride	4.59	41	998726	8.864	ppbv 97
22) trans-1,2-Dichloroethene	5.08	96	644697	8.598	ppbv 97
23) Vinyl Acetate	5.27	43	2046442	10.232	ppbv 99
24) 1,1-Dichloroethane	5.21	63	1737935	8.722	ppbv 99
25) Ethyl Acetate	5.89	43	2931101	9.529	ppbv 100
26) Hexane	5.90	57	1366458	9.527	ppbv 99
27) Carbon Disulfide	4.73	76	1667134	8.954	ppbv 99
28) Methyl tert-Butyl Ether	5.23	73	1764426	9.997	ppbv 100
29) Chloroform	5.97	83	2088626	8.591	ppbv 99
30) Cyclohexane	7.38	84	913455	8.919	ppbv 99
31) cis-1,2-Dichloroethene	5.76	61	1289561	9.926	ppbv 93
32) 1,1,1-Trichloroethane	6.75	97	1819873	7.686	ppbv 98
34) 2-Butanone	5.44	43	1978095	11.097	ppbv 99
35) Carbon Tetrachloride	7.27	117	1843240	8.259	ppbv 99
36) Benzene	7.14	78	2278880	9.860	ppbv 99
37) 1,2-Dichloroethane	6.54	62	1743336	10.138	ppbv 98
38) Trichloroethene	8.10	130	893877	9.528	ppbv 94
39) 1,2-Dichloropropane	7.87	63	807286	9.396	ppbv 96
40) 1,4-Dioxane	8.09	88	362857	10.405	ppbv 91
41) Tetrahydrofuran	6.27	42	1013127	12.280	ppbv 99
42) Bromodichloromethane	8.05	83	1864491	9.062	ppbv 99
43) Methyl Methacrylate	8.27	69	831318	10.222	ppbv 98

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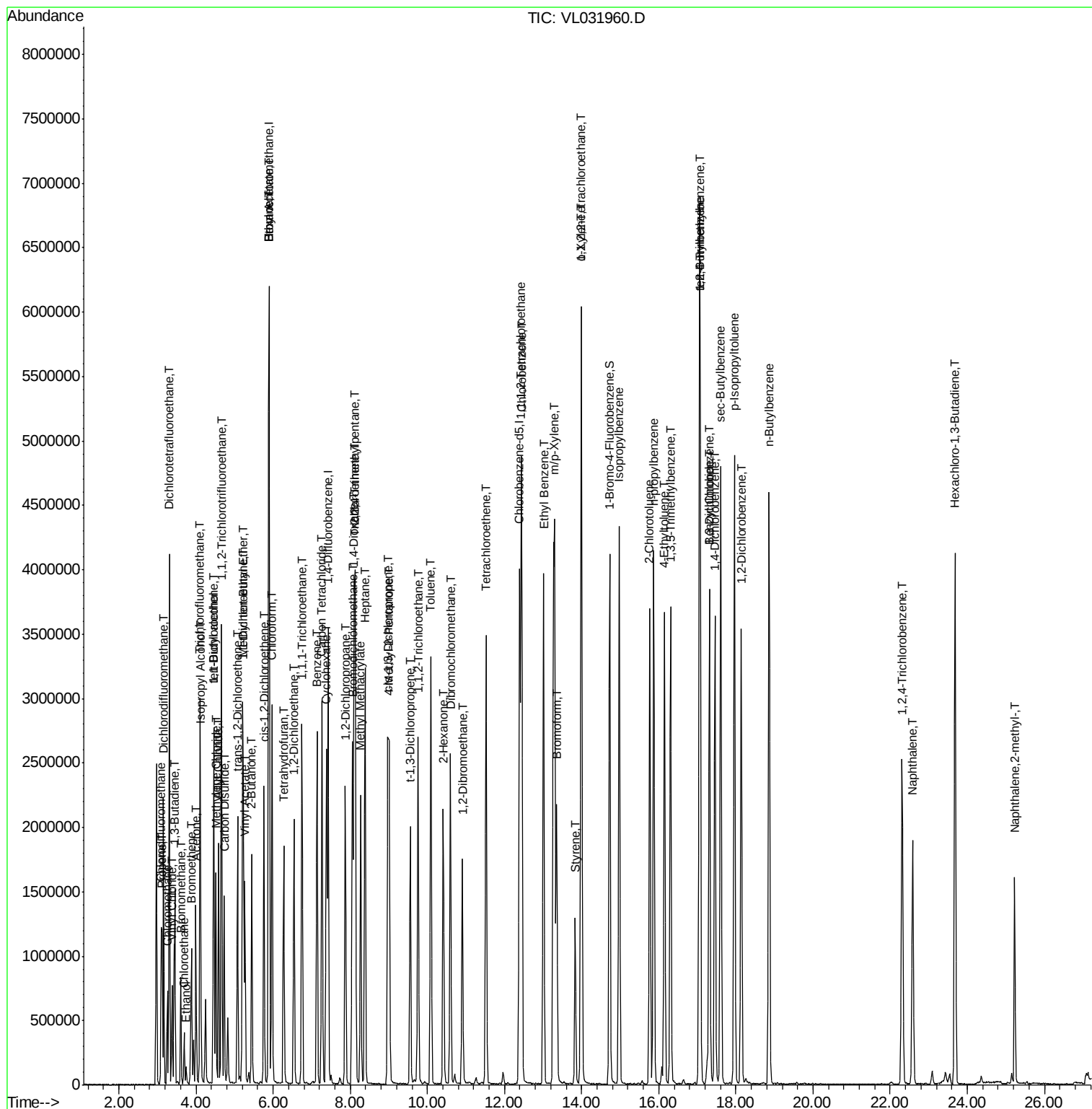
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	3710465	9.322	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1189913	11.281	ppbv	98
46) cis-1,3-Dichloropropene	8.98	75	1465298	10.869	ppbv	96
47) 1,1,2-Trichloroethane	9.76	97	947222	9.276	ppbv	99
48) Dibromochloromethane	10.59	129	1608674	9.748	ppbv	100
49) Bromoform	13.35	173	1268344	9.983	ppbv	100
50) 4-Methyl-2-Pentanone	9.01	43	2012647	9.865	ppbv	100
51) 2-Hexanone	10.41	43	1916368	10.746	ppbv #	100
52) Tetrachloroethene	11.52	164	874648	9.713	ppbv	98
53) Toluene	10.09	91	2701446	10.482	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1478890	9.978	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.43	131	1103621	7.423	ppbv #	62
57) Chlorobenzene	12.45	112	2029767	7.578	ppbv	97
58) Ethyl Benzene	13.01	91	3735077	8.513	ppbv	99
59) m/p-Xylene	13.30	91	3080814	8.087	ppbv #	34
60) o-Xylene	14.00	91	3036769	7.975	ppbv	99
61) Styrene	13.83	104	750863	10.356	ppbv	99
62) Isopropylbenzene	14.97	105	3853132	7.878	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.98	83	1987436	6.789	ppbv	99
64) n-propylbenzene	15.87	120	966654	8.130	ppbv	98
65) tert-Butylbenzene	17.06	119	3376022	8.025	ppbv	99
66) Benzyl Chloride	17.30	91	329688	8.698	ppbv	98
67) sec-Butylbenzene	17.61	105	4754400	7.845	ppbv	100
69) p-Isopropyltoluene	17.96	119	3921410	8.347	ppbv	98
70) n-Butylbenzene	18.86	91	4002929	8.183	ppbv	99
71) 2-Chlorotoluene	15.77	91	2901540	8.205	ppbv	99
72) 4-Ethyltoluene	16.15	105	3214010	8.259	ppbv	100
73) 1,3,5-Trimethylbenzene	16.30	105	2913285	8.178	ppbv	99
74) 1,2,4-Trimethylbenzene	17.07	105	3030769	7.622	ppbv	97
75) 1,3-Dichlorobenzene	17.32	146	1855055	7.607	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	1887036	7.976	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1864848	7.766	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	1085738	11.774	ppbv	99
79) Naphthalene	22.58	128	2347093	10.486	ppbv	99
80) Naphthalene, 2-methyl-	25.22	142	856165	19.595	ppbv	98
81) 1,2,4-Trichlorobenzene	22.31	180	1219595	9.821	ppbv	100

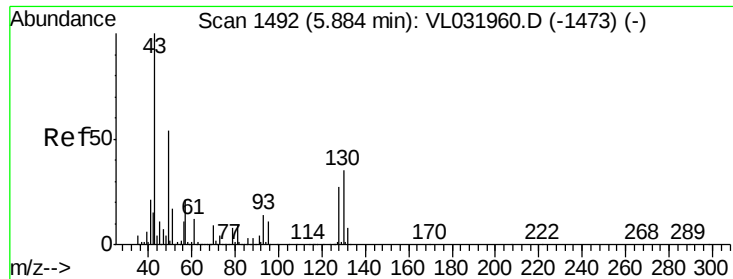
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

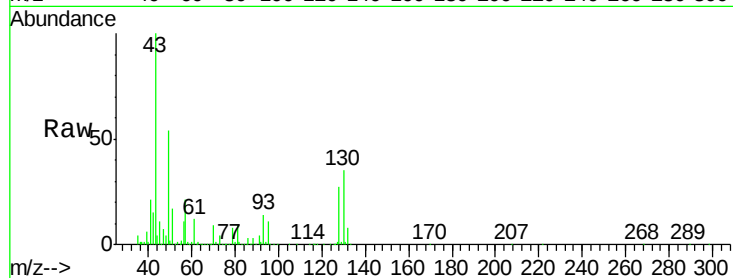
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1281463

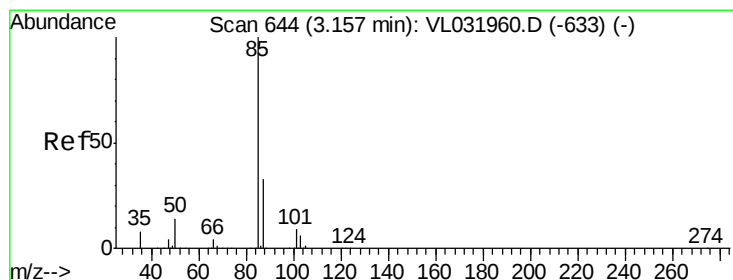
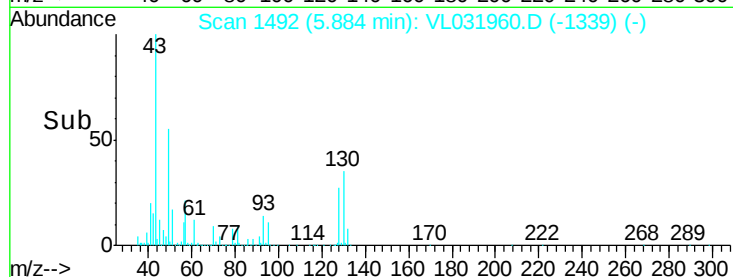
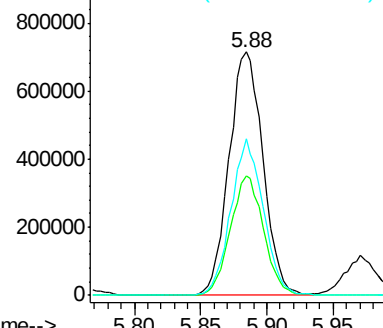
Ion	Ratio	Lower	Upper
49	100		
128	48.2	23.9	71.7
130	61.4	30.9	92.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.859 ppbv

RT: 3.16 min Scan# 644

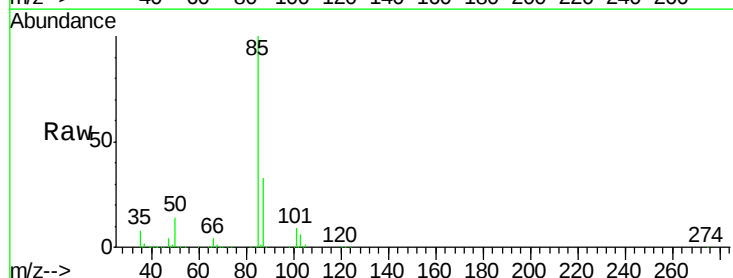
Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

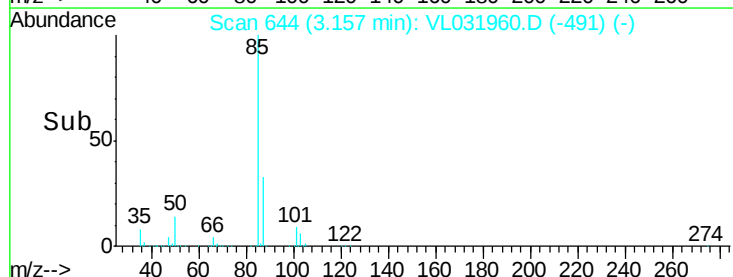
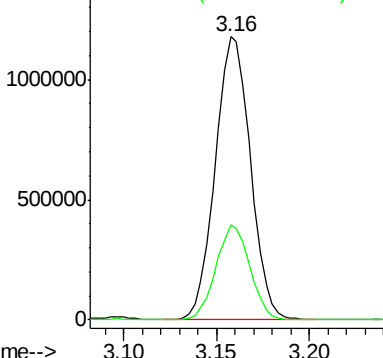
Tgt Ion: 85 Resp: 1548545

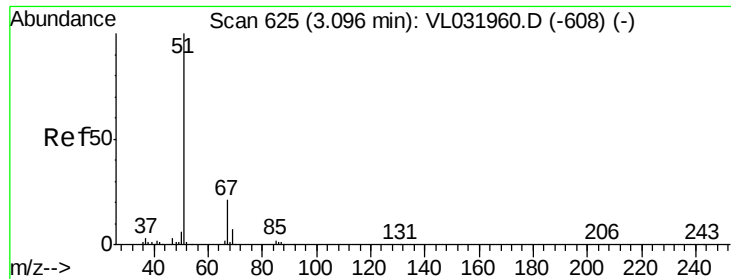
Ion	Ratio	Lower	Upper
85	100		
87	33.5	25.9	38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.336 ppbv

RT: 3.10 min Scan# 625

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

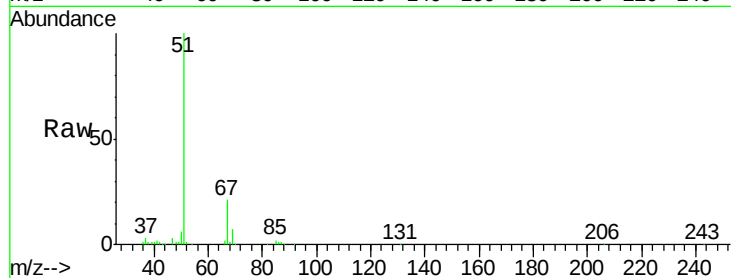
ClientSampleId :

Tot Ion: 51 Resp: 1093355

Ion Ratio Lower Upper

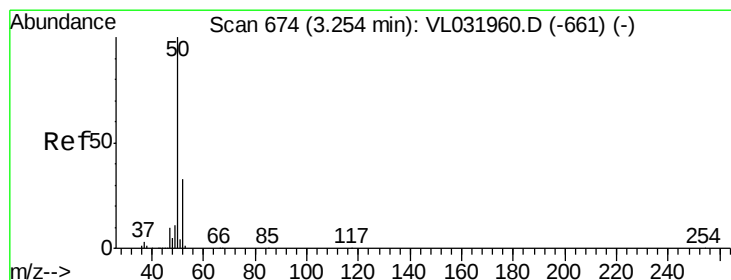
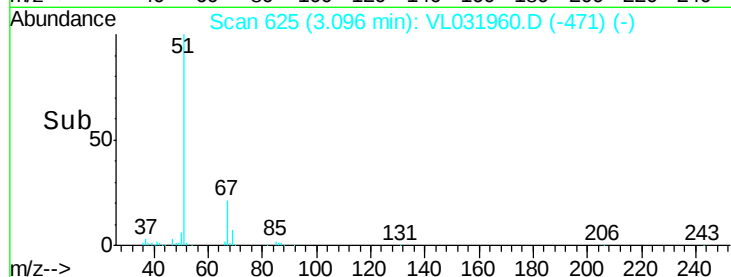
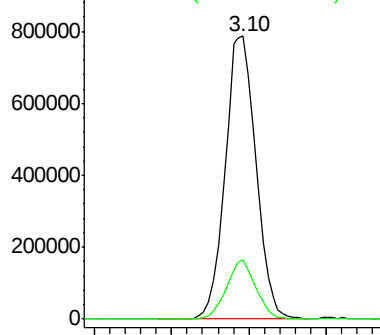
51 100

67 19.9 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.115 ppbv

RT: 3.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: VL031960.D

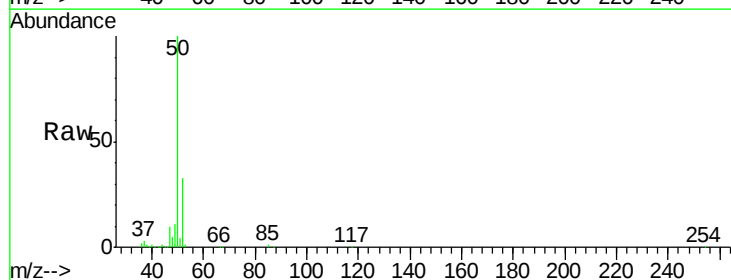
Acq: 3 May 2018 11:24

Tgt Ion: 50 Resp: 617377

Ion Ratio Lower Upper

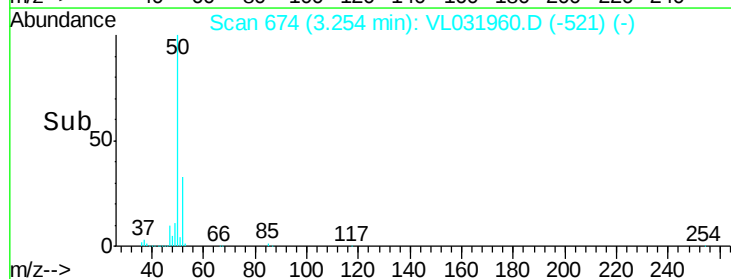
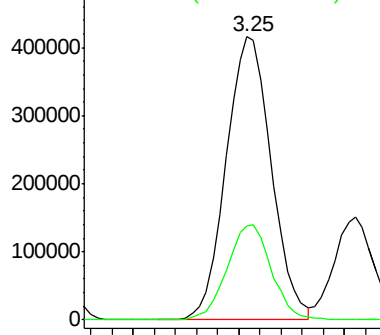
50 100

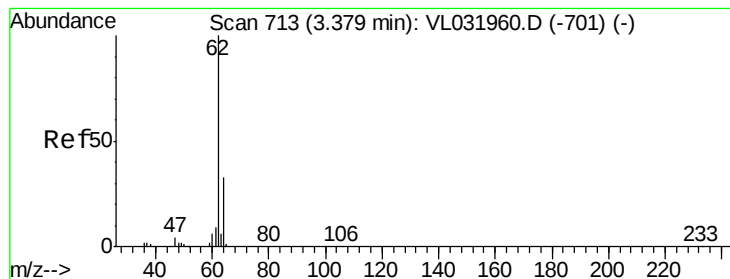
52 33.2 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.411 ppbv

RT: 3.38 min Scan# 713

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

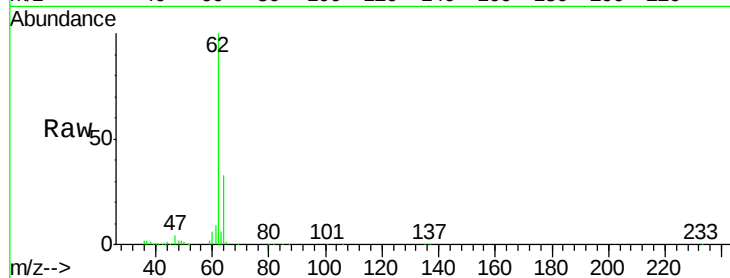
ClientSampleId :

Tot Ion: 62 Resp: 634883

Ion Ratio Lower Upper

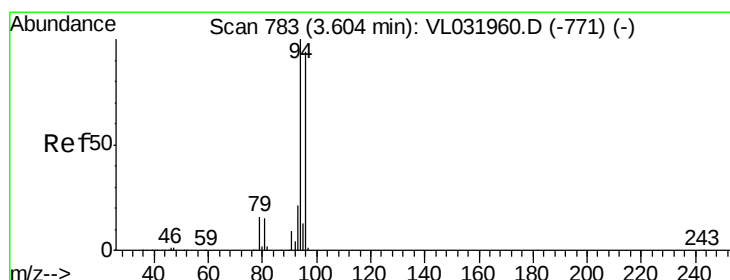
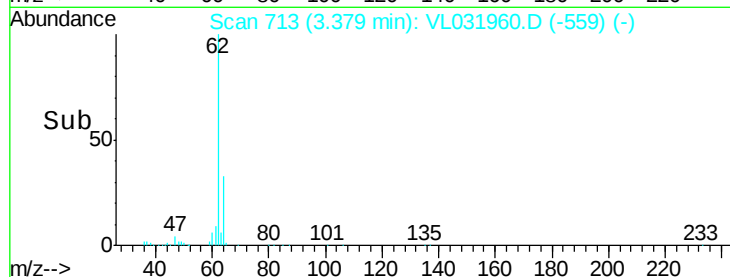
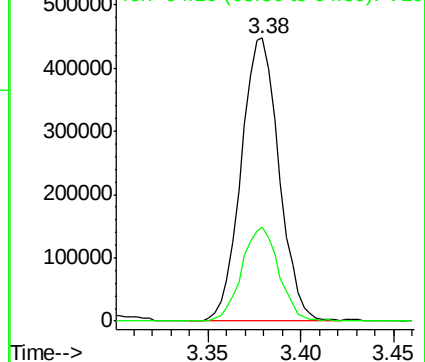
62 100

64 33.2 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 7.821 ppbv

RT: 3.60 min Scan# 783

Delta R.T. -0.01 min

Lab File: VL031960.D

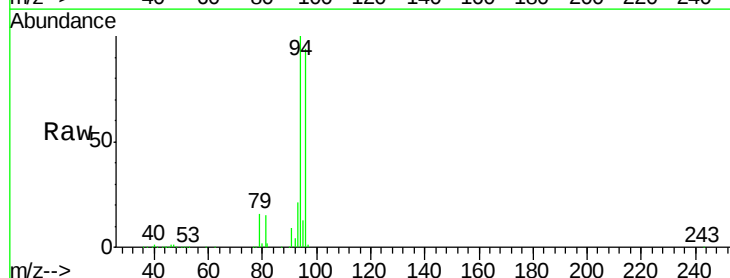
Acq: 3 May 2018 11:24

Tgt Ion: 94 Resp: 440363

Ion Ratio Lower Upper

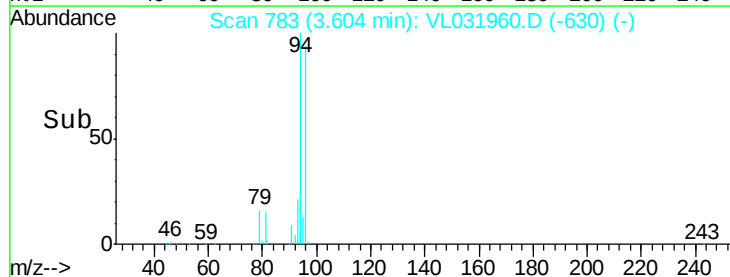
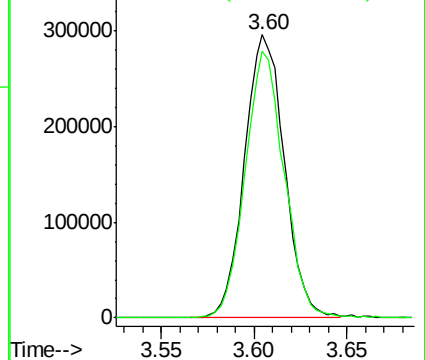
94 100

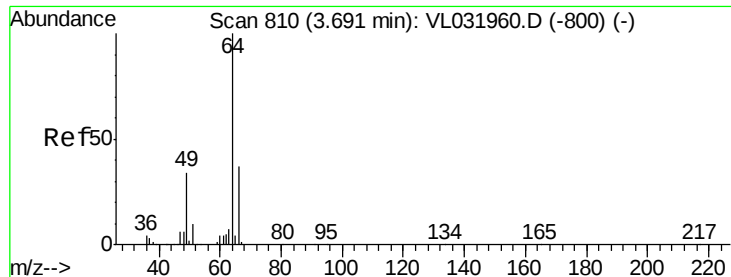
96 94.4 73.8 110.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 7.398 ppbv

RT: 3.69 min Scan# 810

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

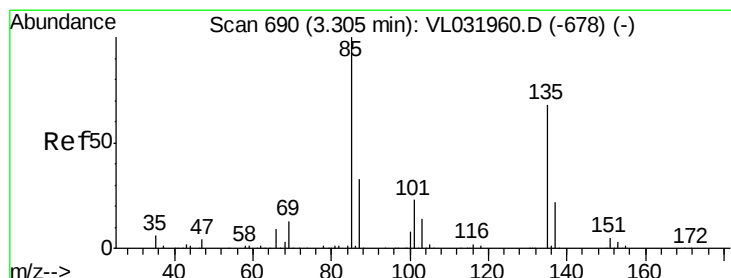
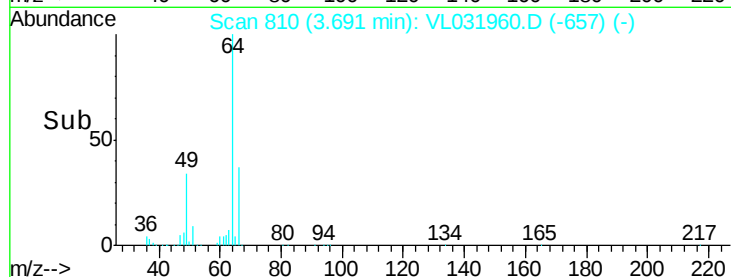
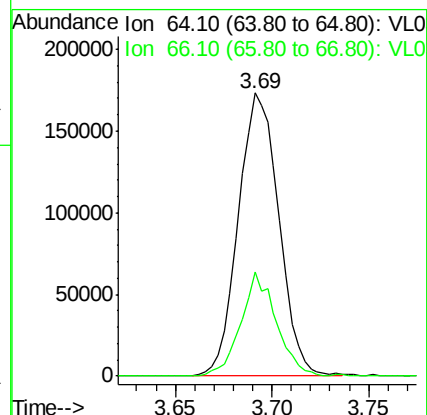
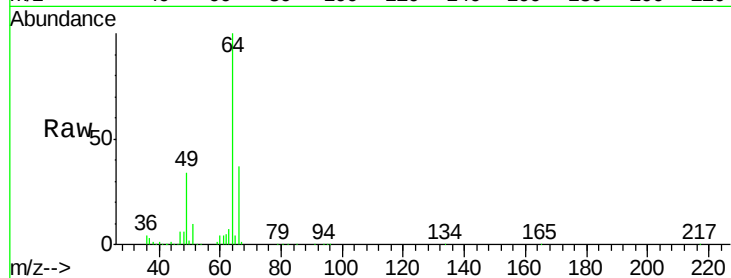
ClientSampleId :

Tot Ion: 64 Resp: 252675

Ion Ratio Lower Upper

64 100

66 37.0 23.4 35.0#



#8

Dichlorotetrafluoroethane

Concen: 7.135 ppbv

RT: 3.31 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL031960.D

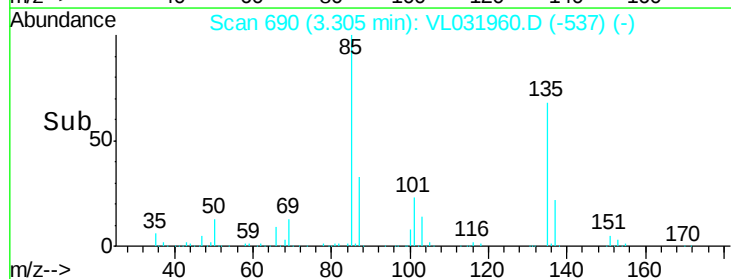
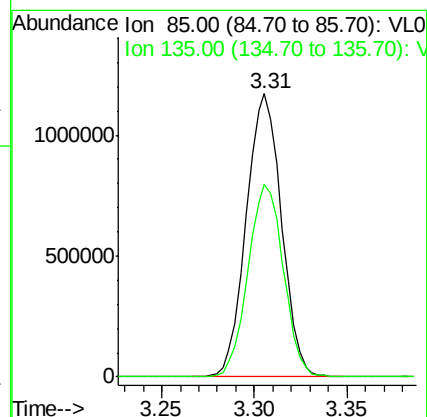
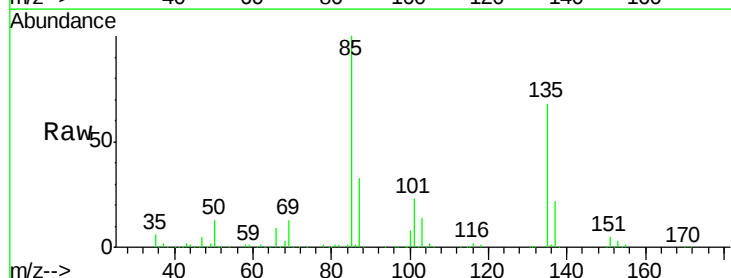
Acq: 3 May 2018 11:24

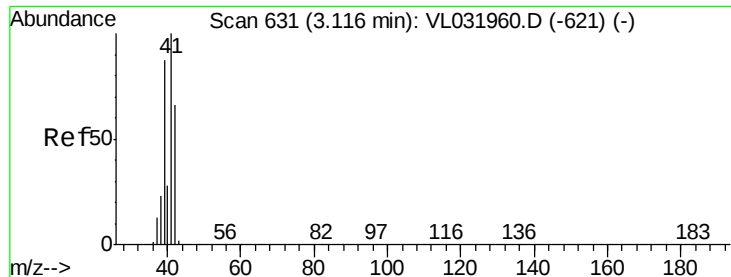
Tgt Ion: 85 Resp: 1548504

Ion Ratio Lower Upper

85 100

135 68.5 52.7 79.1





#9

Propene

Concen: 8.600 ppbv

RT: 3.12 min Scan# 631

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

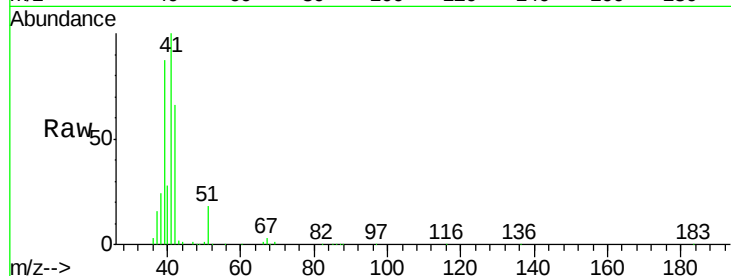
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 443166

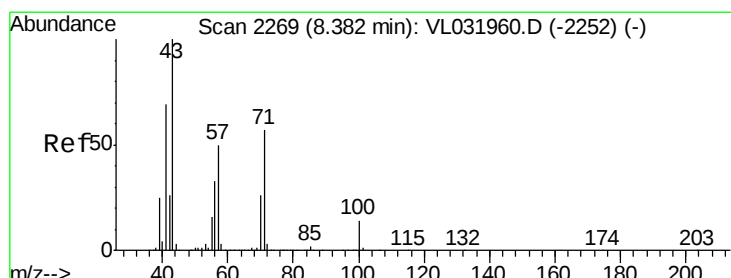
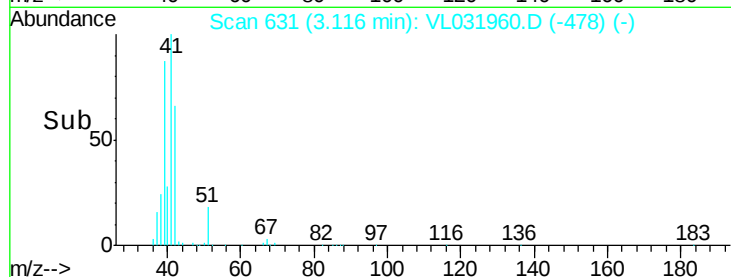
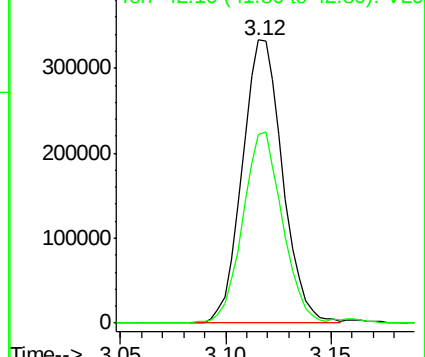
Ion Ratio Lower Upper

41 100

42 67.4 55.0 82.4



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.715 ppbv

RT: 8.38 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VL031960.D

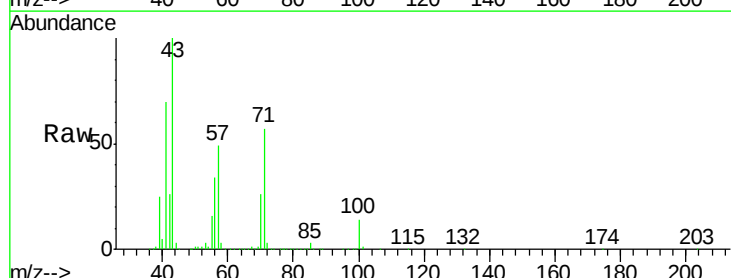
Acq: 3 May 2018 11:24

Tgt Ion: 43 Resp: 1457184

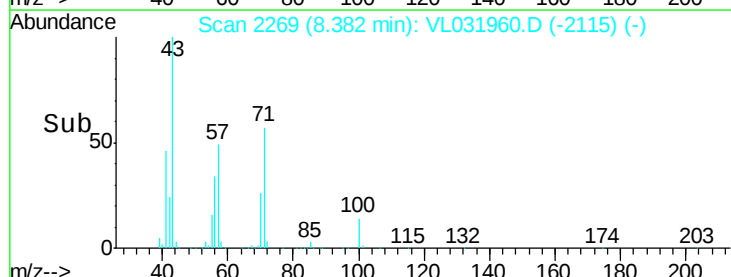
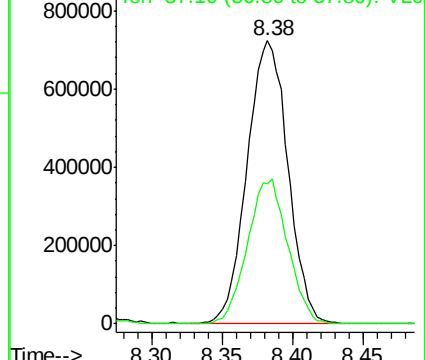
Ion Ratio Lower Upper

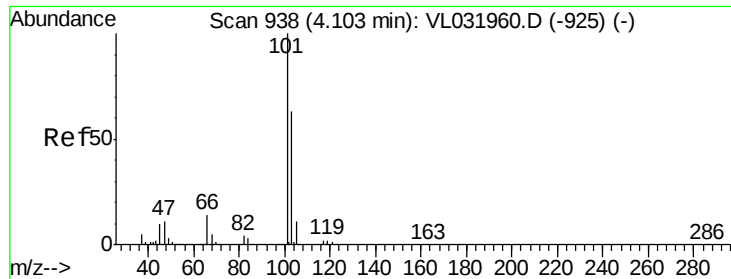
43 100

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

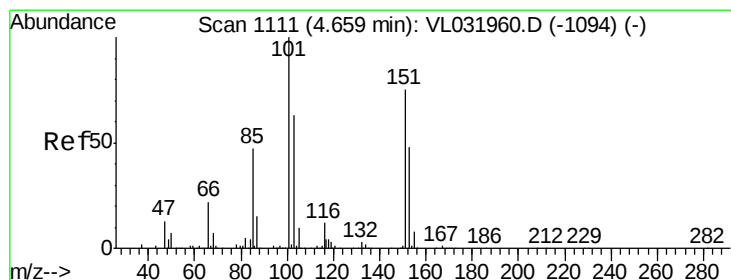
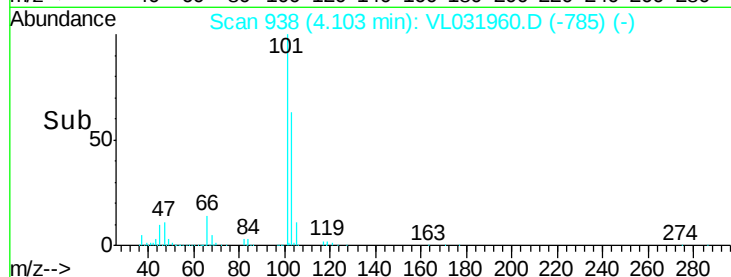
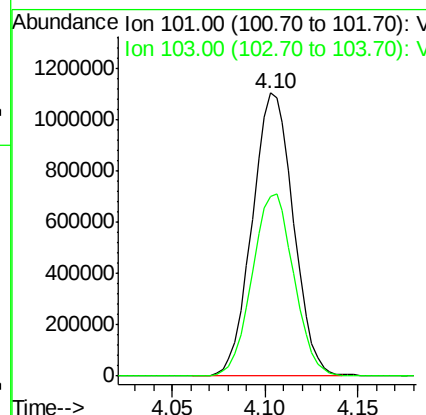
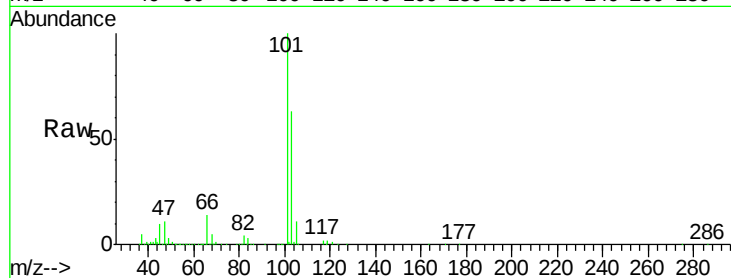




#11
 Trichlorofluoromethane
 Concen: 6.624 ppbv
 RT: 4.10 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

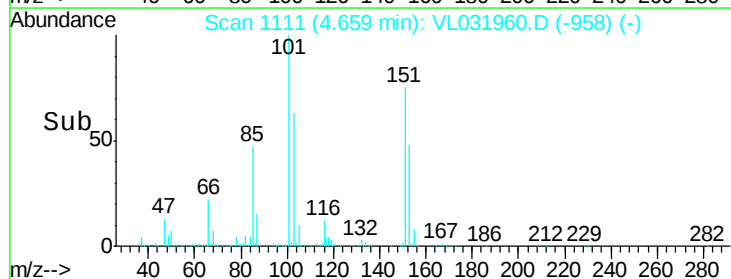
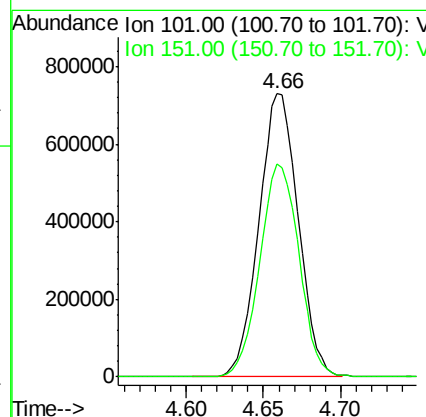
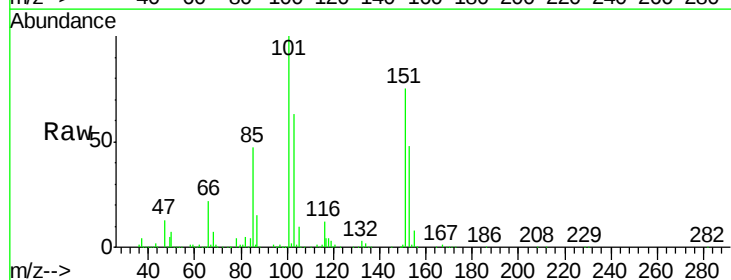
Instrument :
 MSVOA_L
 ClientSampleId :

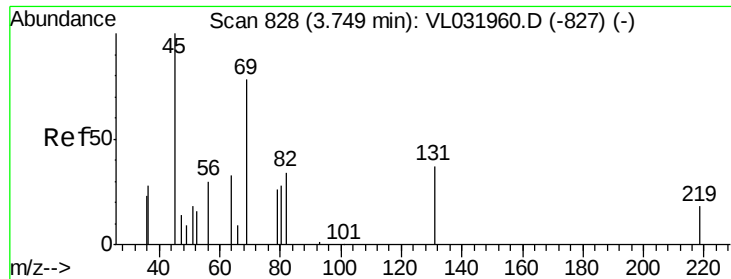
Tot Ion:101 Resp: 1716437
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.665 ppbv
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion:101 Resp: 1290784
 Ion Ratio Lower Upper
 101 100
 151 75.2 57.0 85.6

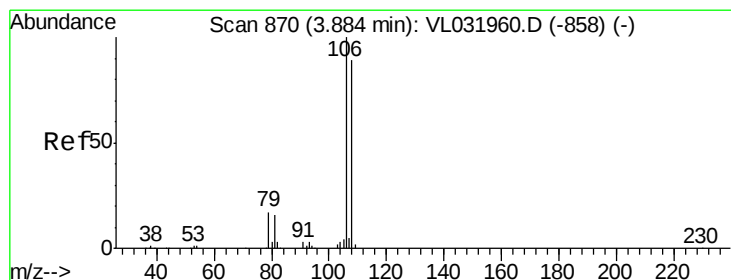
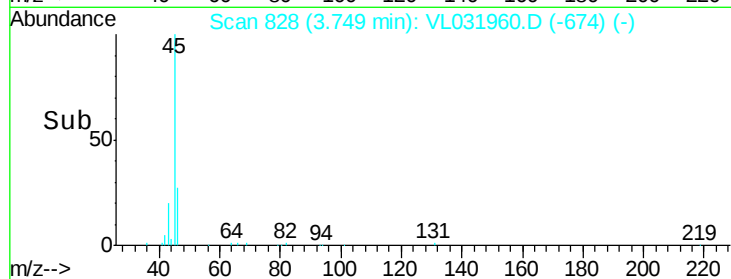
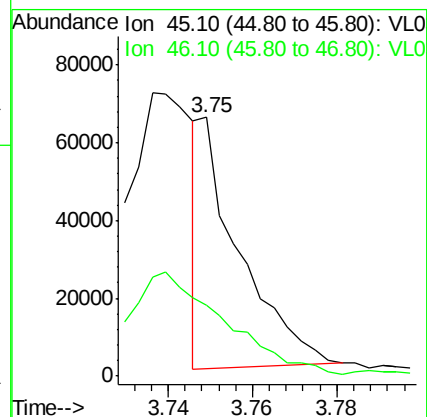
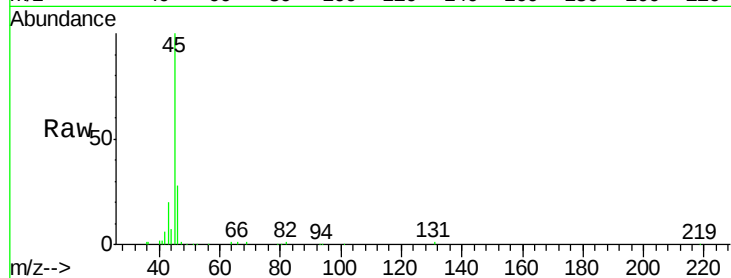




#13
Ethanol
Concen: 2.372 ppbv
RT: 3.75 min Scan# 828
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

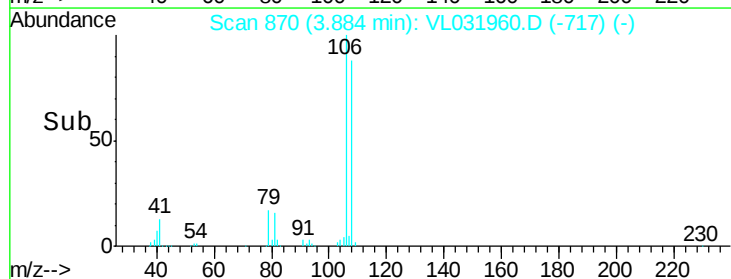
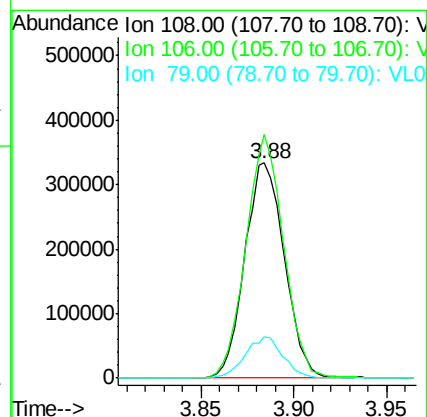
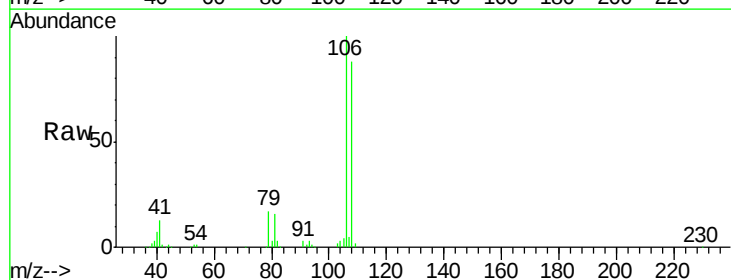
Instrument :
MSVOA_L
ClientSampleId :

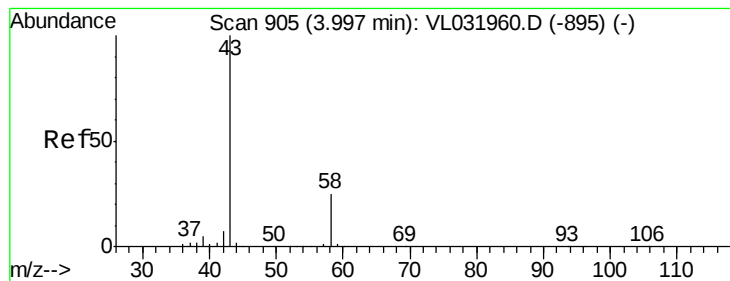
Tot Ion: 45 Resp: 41492
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.6#



#14
Bromoethene
Concen: 7.811 ppbv
RT: 3.88 min Scan# 870
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 108 Resp: 496003
Ion Ratio Lower Upper
108 100
106 108.5 86.6 130.0
79 18.4 15.5 23.3





#15

Acetone

Concen: 6.974 ppbv

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

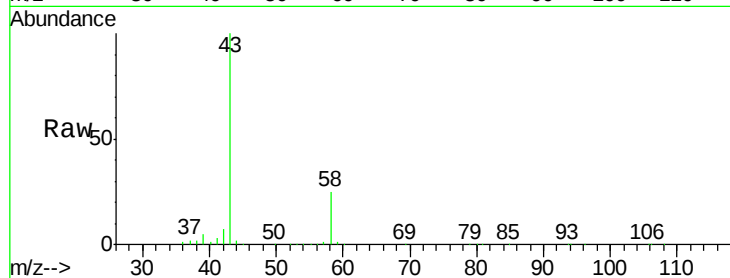
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1375464

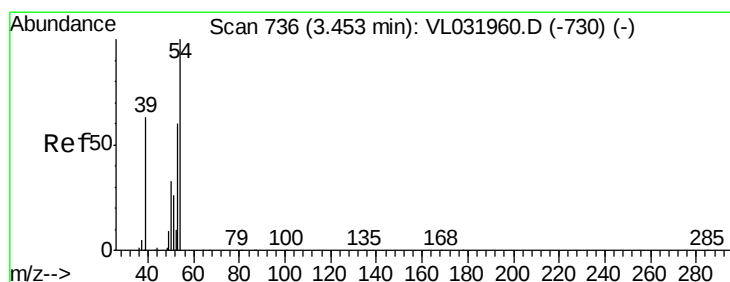
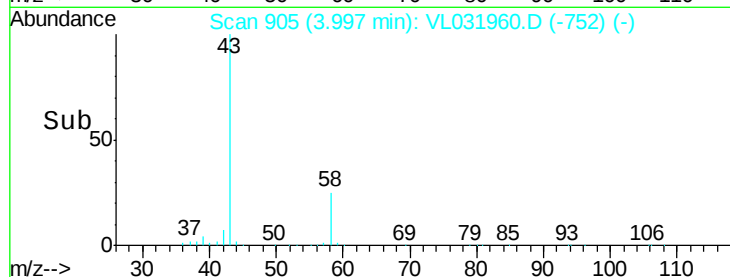
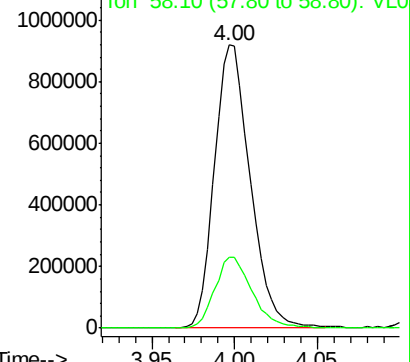
Ion Ratio Lower Upper

43 100

58 26.4 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 8.171 ppbv

RT: 3.45 min Scan# 736

Delta R.T. -0.00 min

Lab File: VL031960.D

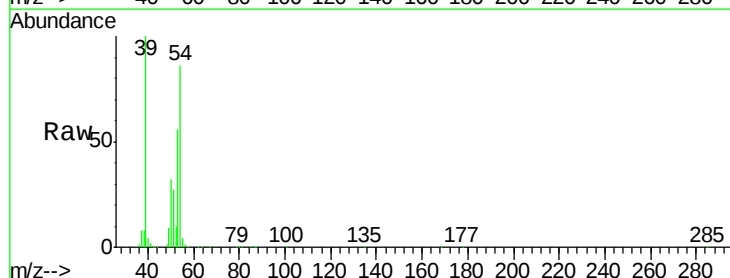
Acq: 3 May 2018 11:24

Tgt Ion: 39 Resp: 596319

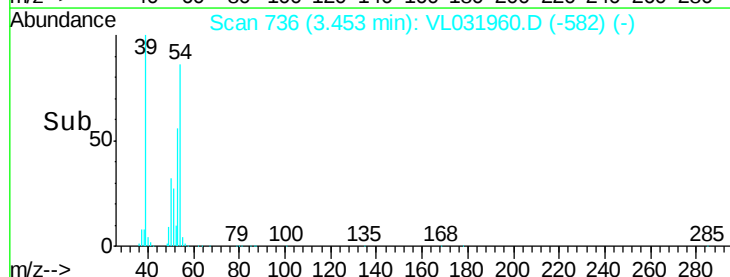
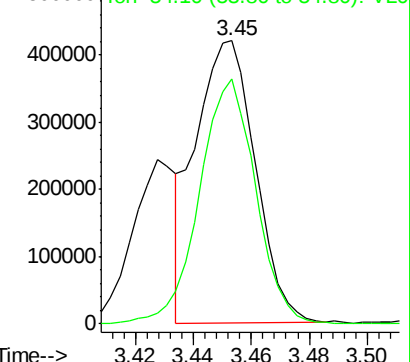
Ion Ratio Lower Upper

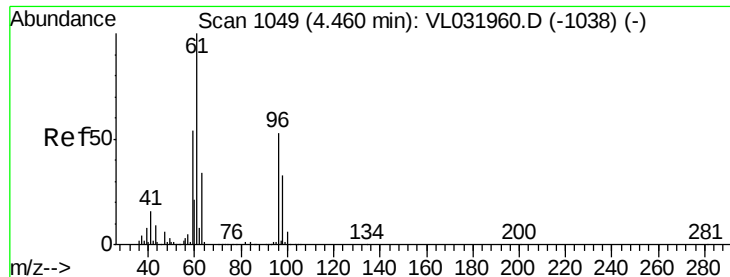
39 100

54 82.7 63.3 94.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

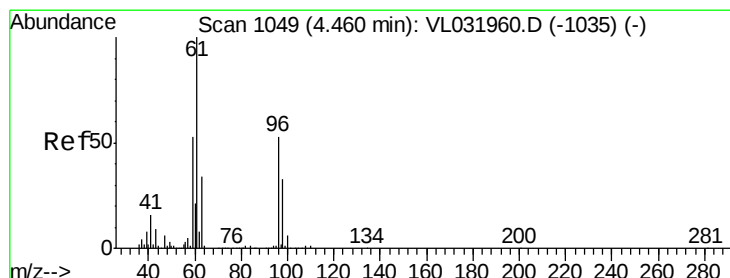
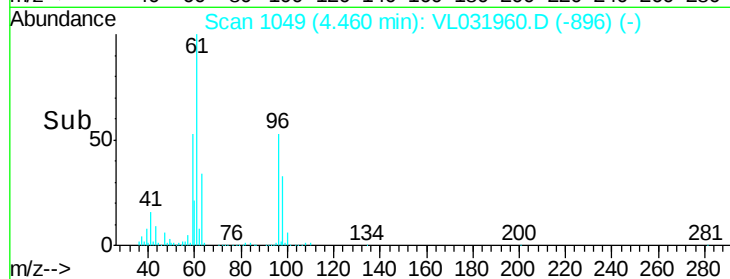
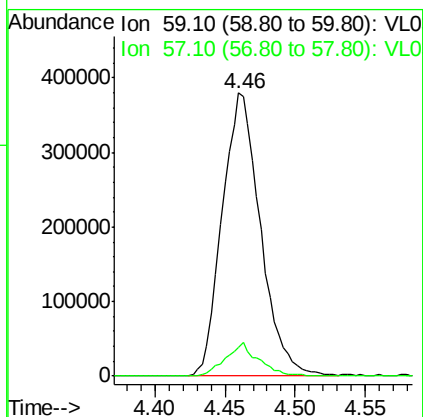
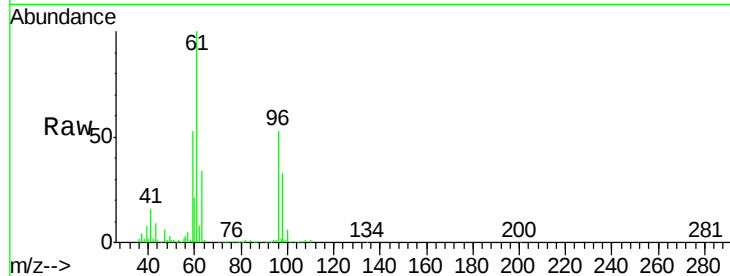




#17
 tert-Butyl alcohol
 Concen: 8.780 ppbv
 RT: 4.46 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

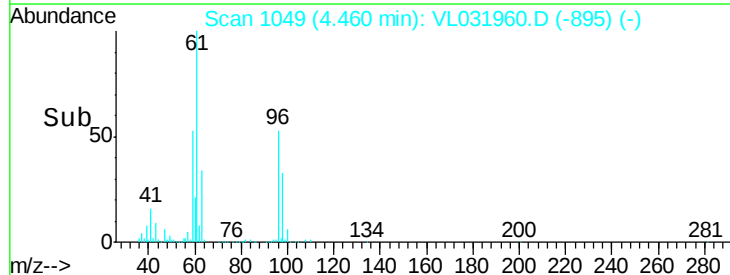
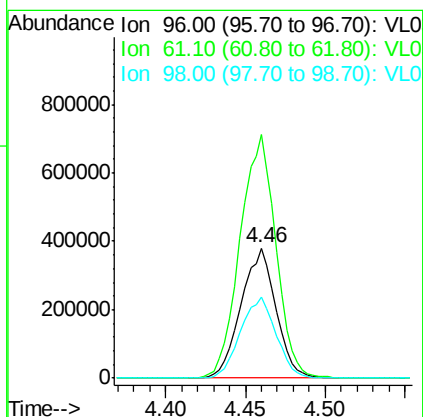
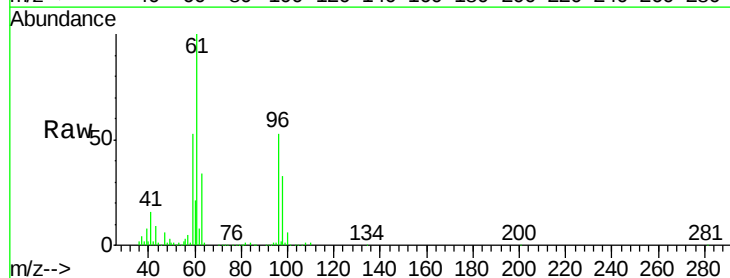
Instrument :
 MSVOA_L
 ClientSampled :

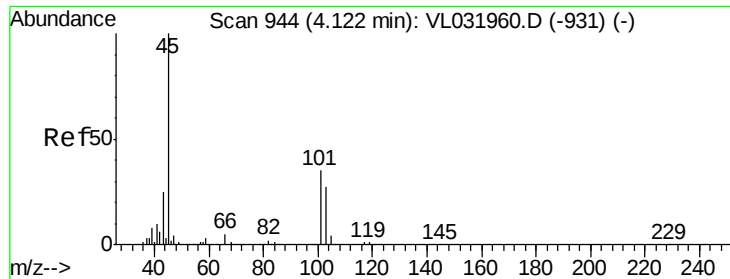
Tot Ion: 59 Resp: 715602
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 7.783 ppbv
 RT: 4.46 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 96 Resp: 563001
 Ion Ratio Lower Upper
 96 100
 61 187.4 161.0 241.6
 98 62.1 52.7 79.1





#19

Isopropyl Alcohol

Concen: 7.781 ppbv

RT: 4.12 min Scan# 944

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

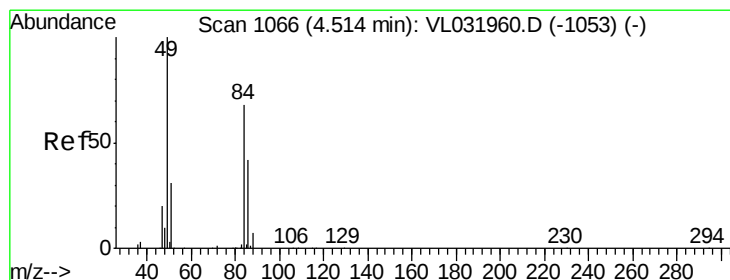
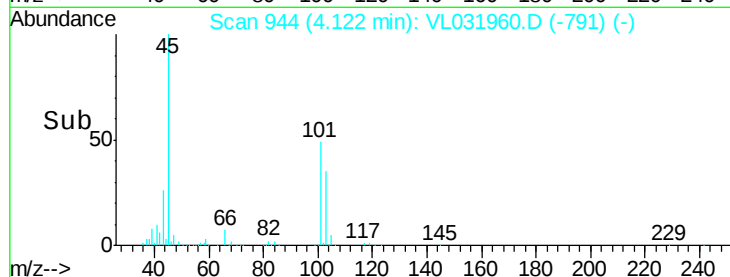
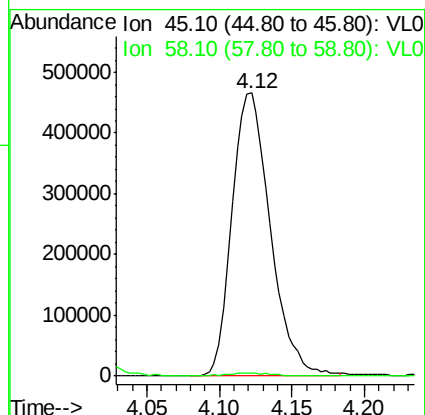
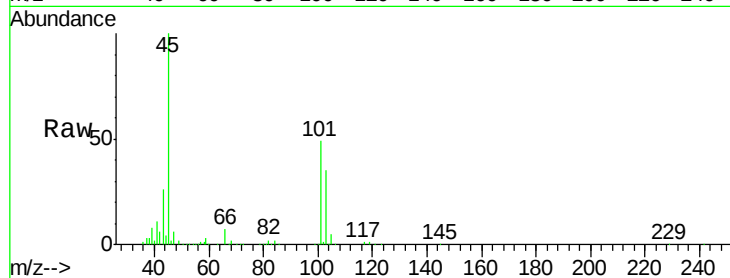
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 45 Resp: 857161

Ion Ratio Lower Upper

45 100

58 1.8 1.7 2.5



#20

Methylene Chloride

Concen: 7.635 ppbv

RT: 4.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Tgt Ion: 84 Resp: 548423

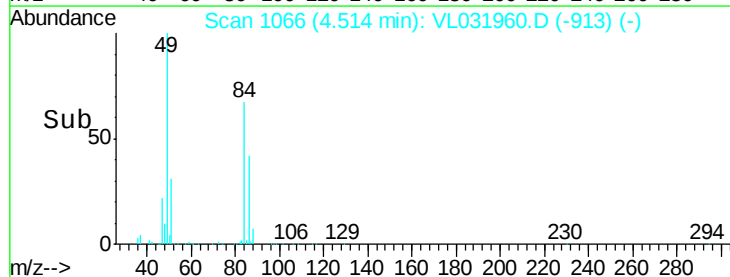
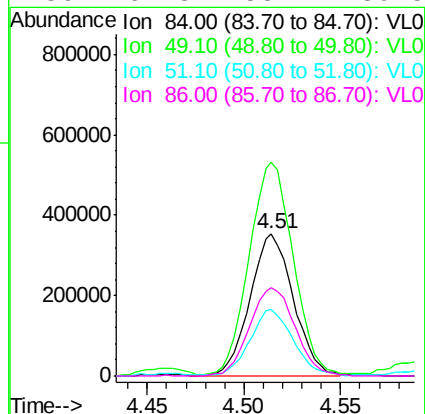
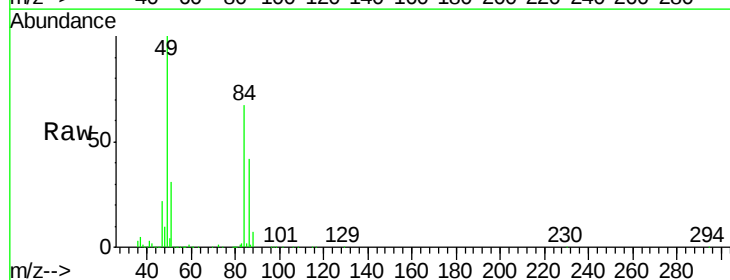
Ion Ratio Lower Upper

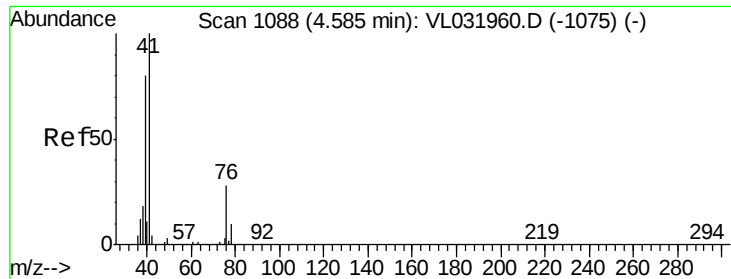
84 100

49 148.3 125.6 188.4

51 45.7 36.4 54.6

86 62.3 53.7 80.5

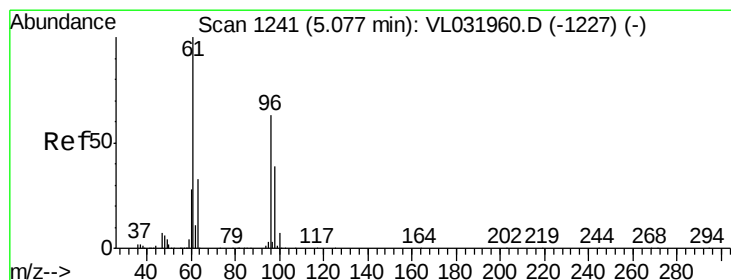
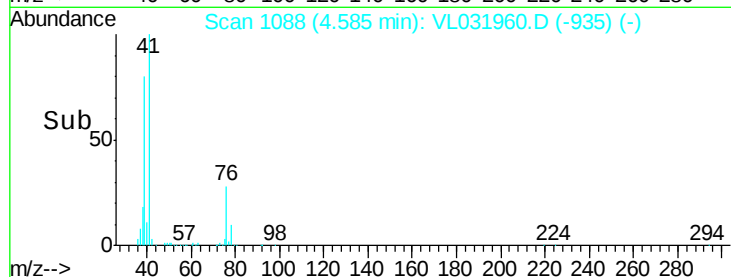
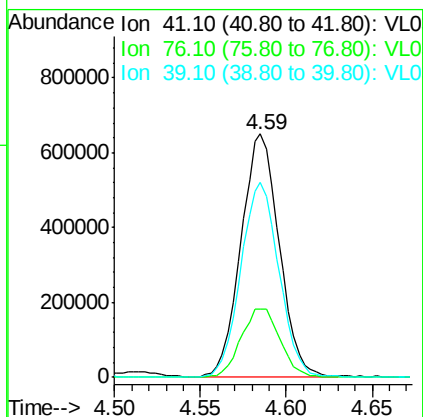
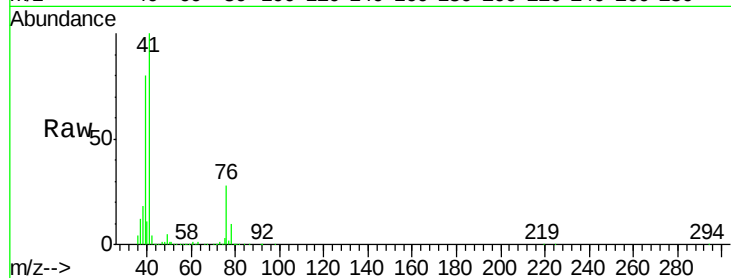




#21
Allvl Chloride
Concen: 8.864 ppbv
RT: 4.59 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

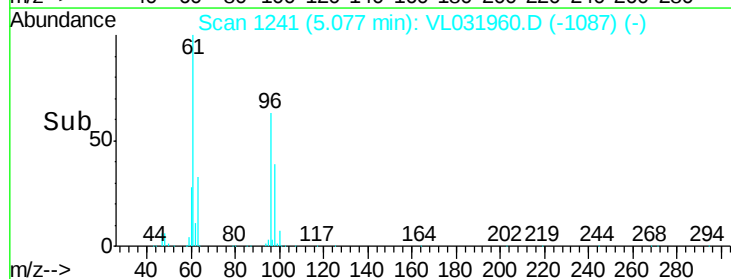
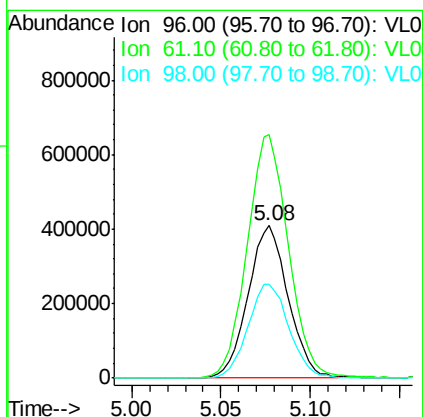
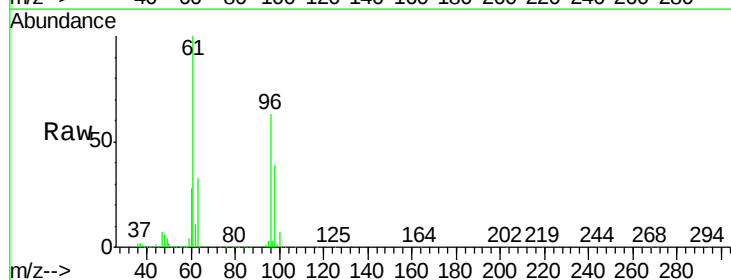
Instrument :
MSVOA_L
ClientSampleId :

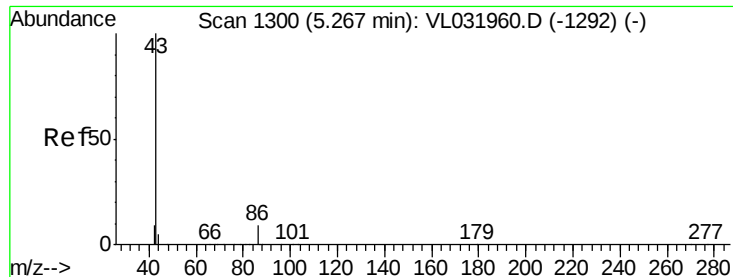
Tot Ion: 41 Resp: 998726
Ion Ratio Lower Upper
41 100
76 29.2 23.4 35.2
39 80.6 67.6 101.4



#22
trans-1,2-Dichloroethene
Concen: 8.598 ppbv
RT: 5.08 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 96 Resp: 644697
Ion Ratio Lower Upper
96 100
61 159.6 131.1 196.7
98 61.6 47.6 71.4





#23

Vinyl Acetate

Concen: 10.232 ppbv

RT: 5.27 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2046442

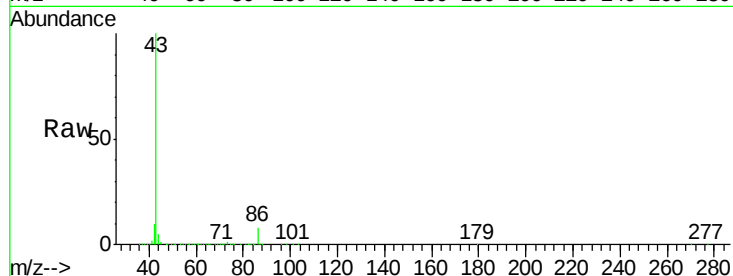
Ion Ratio Lower Upper

43 100

86 7.6 5.8 8.8

42 10.0 8.5 12.7

44 4.9 4.2 6.4

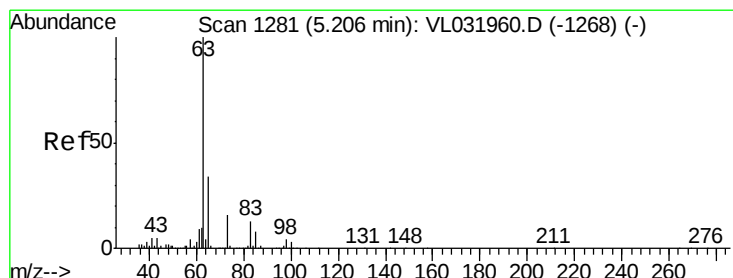
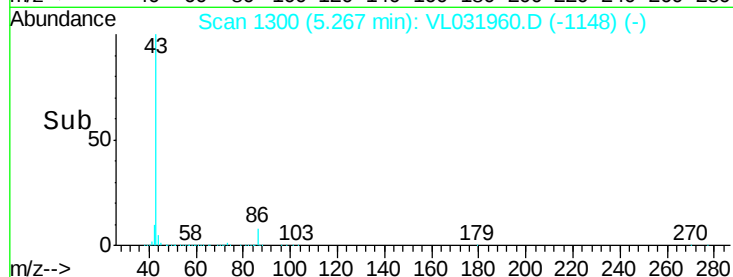
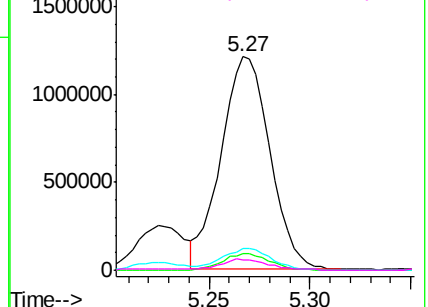


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.722 ppbv

RT: 5.21 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

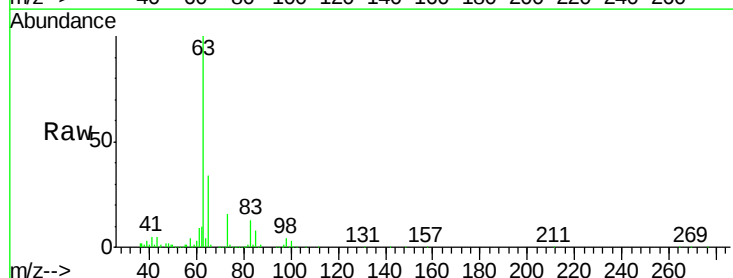
Tgt Ion: 63 Resp: 1737935

Ion Ratio Lower Upper

63 100

98 4.4 2.4 7.2

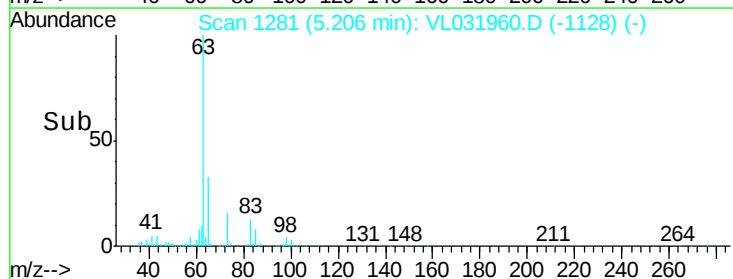
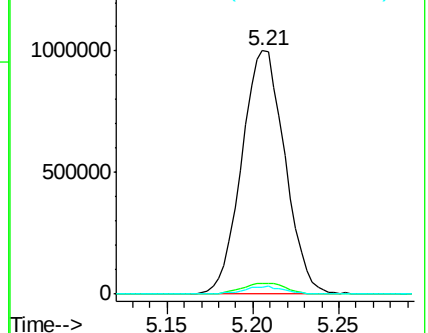
100 3.0 1.5 4.4

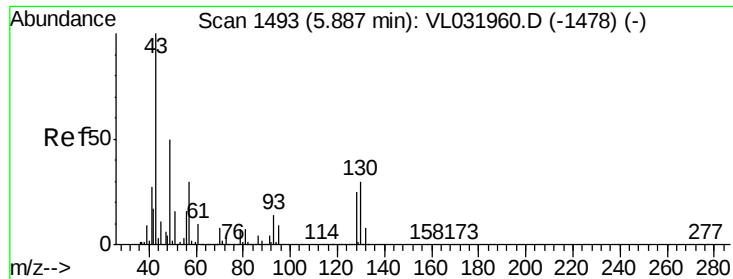


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



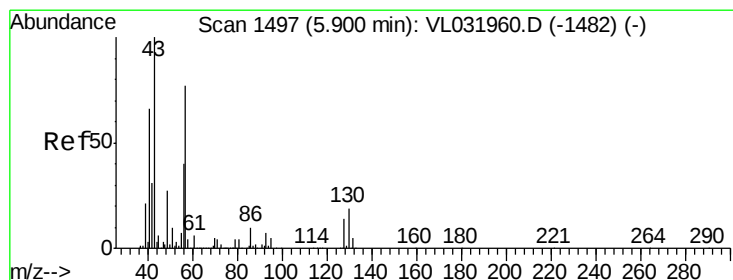
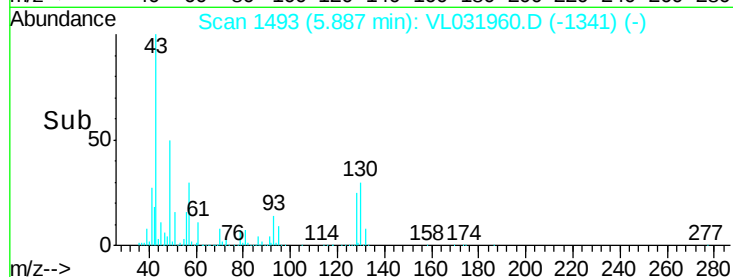
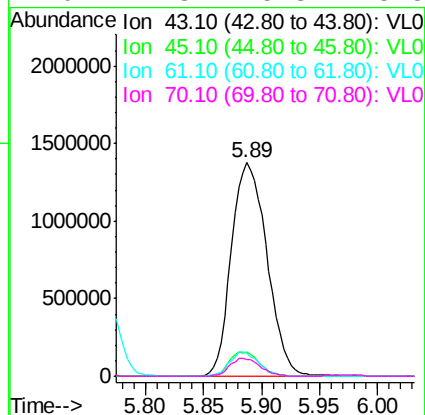
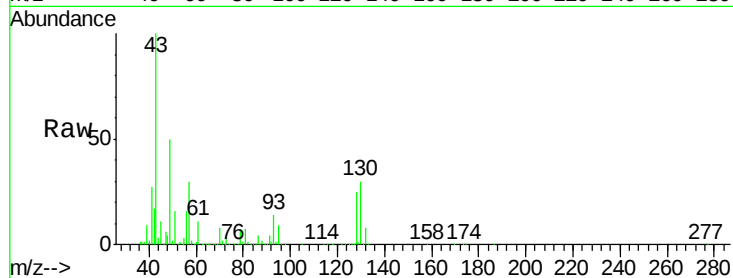


#25
Ethyl Acetate
Concen: 9.529 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2931101

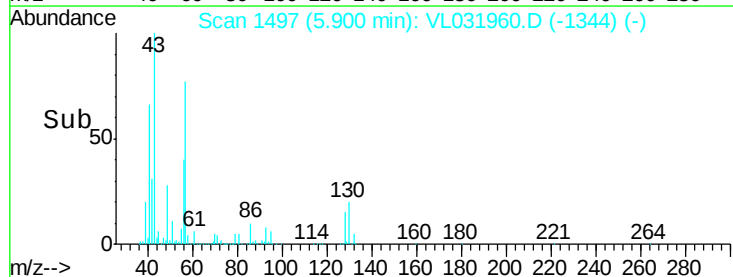
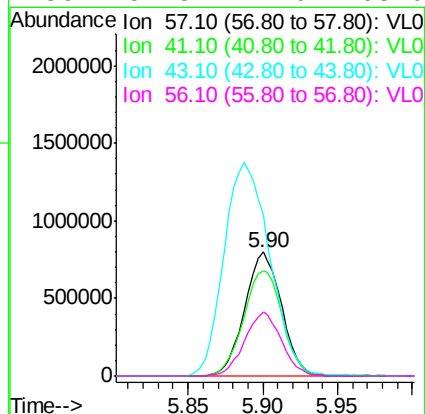
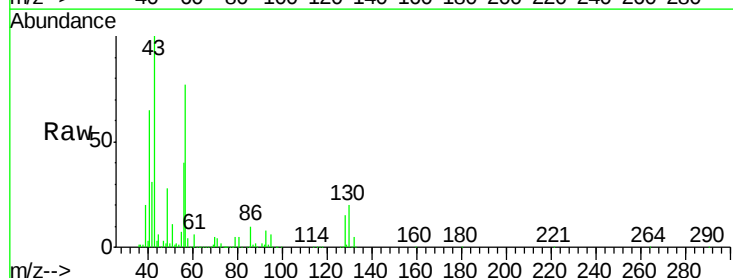
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.3	7.2	10.8
70	7.3	5.8	8.8

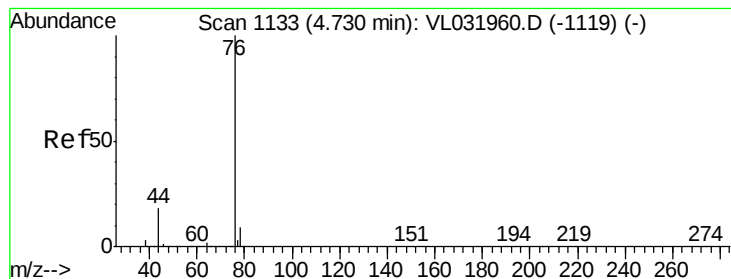


#26
Hexane
Concen: 9.527 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 57 Resp: 1366458

Ion	Ratio	Lower	Upper
57	100		
41	89.7	72.0	108.0
43	214.4	169.8	254.8
56	51.8	42.0	63.0





#27

Carbon Disulfide

Concen: 8.954 ppbv

RT: 4.73 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampleId :

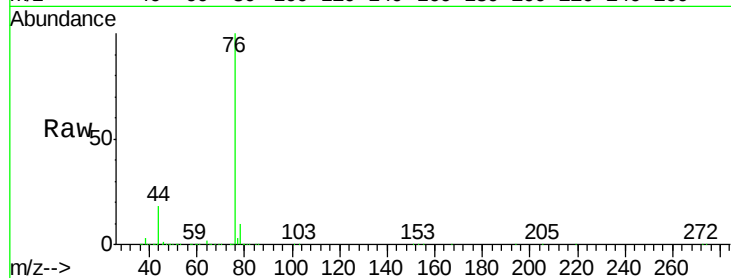
Tot Ion: 76 Resp: 1667134

Ion	Ratio	Lower	Upper
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76	100		
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44	19.2	15.6	23.4
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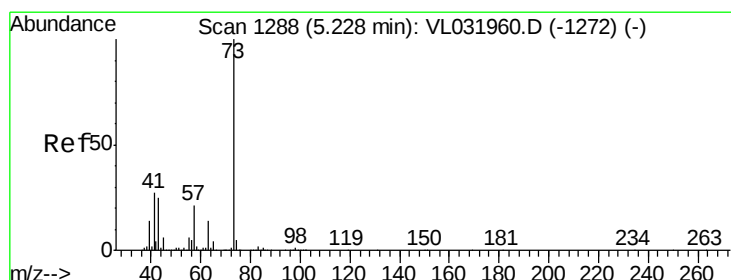
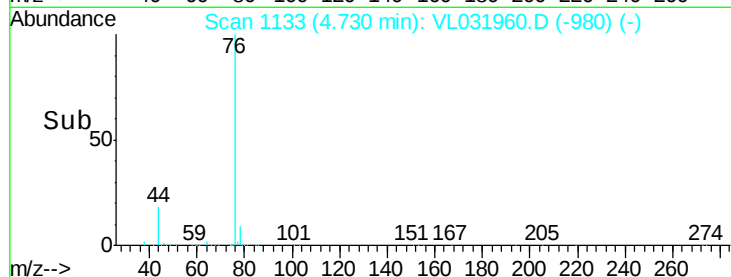
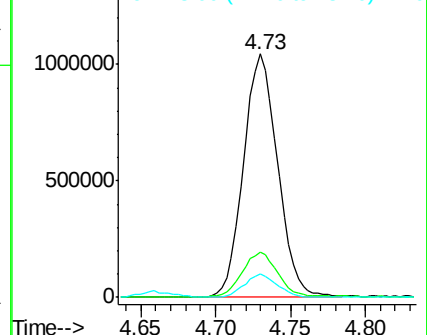
78	9.2	7.6	11.4
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.997 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL031960.D

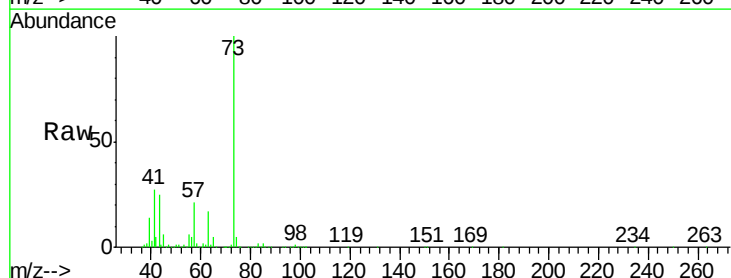
Acq: 3 May 2018 11:24

Tgt Ion: 73 Resp: 1764426

Ion	Ratio	Lower	Upper
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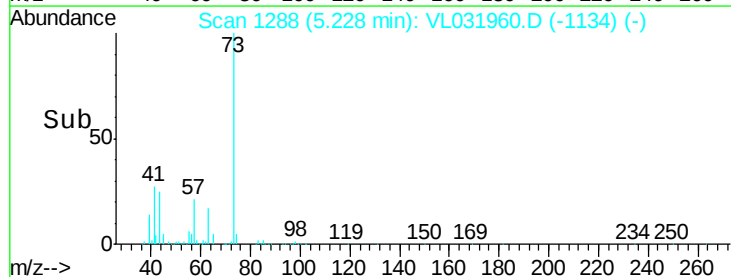
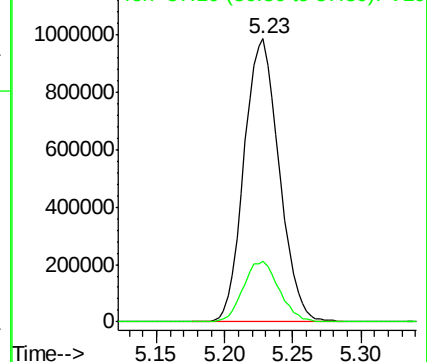
73	100		
----	-----	--	--

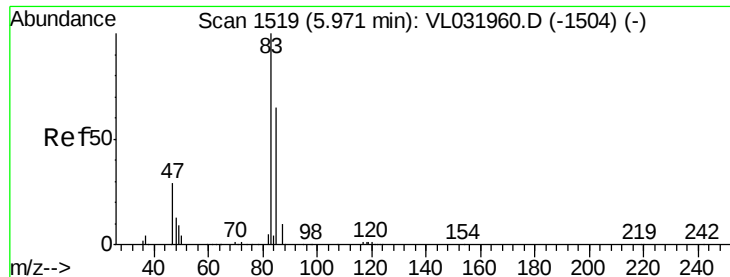
57	22.0	17.6	26.4
----	------	------	------



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

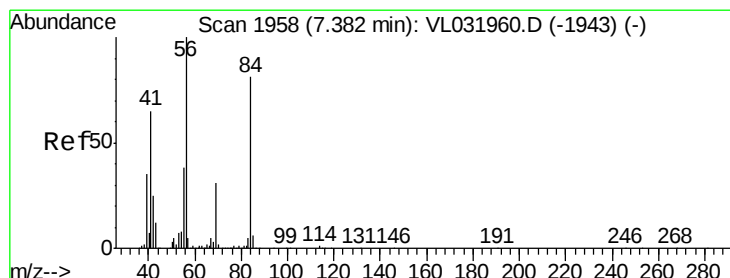
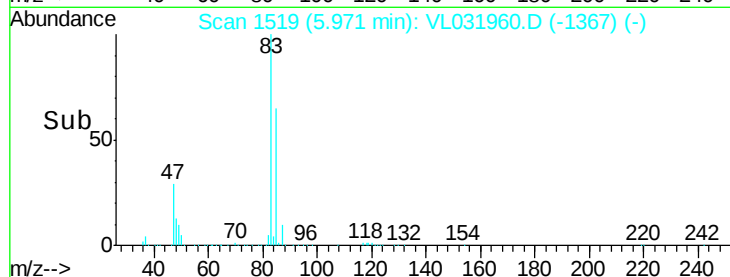
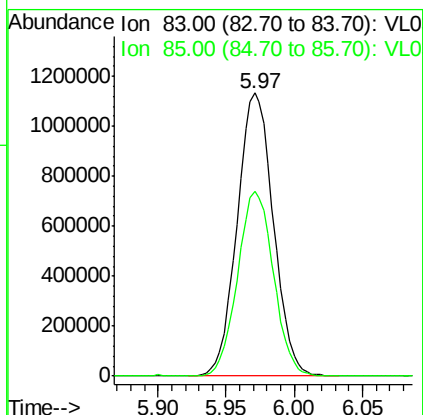
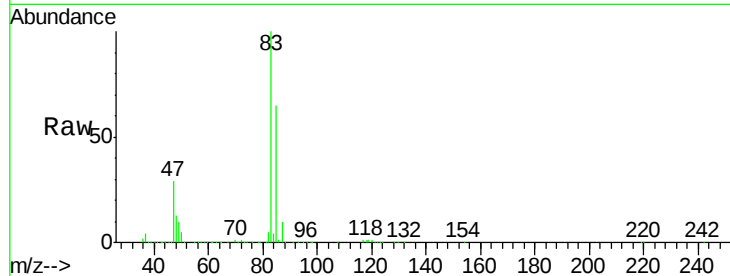




#29
Chloroform
Concen: 8.591 ppbv
RT: 5.97 min Scan# 1519
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

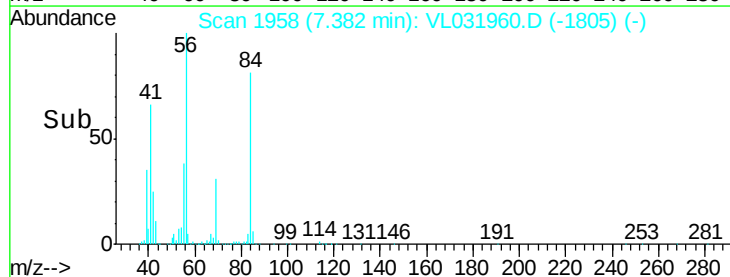
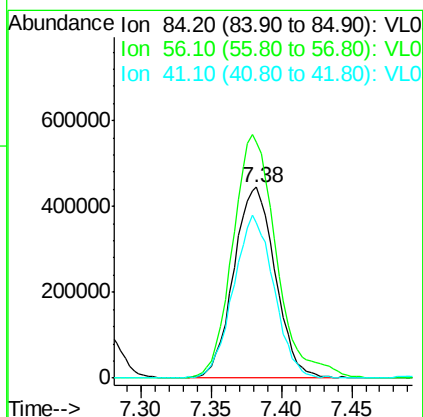
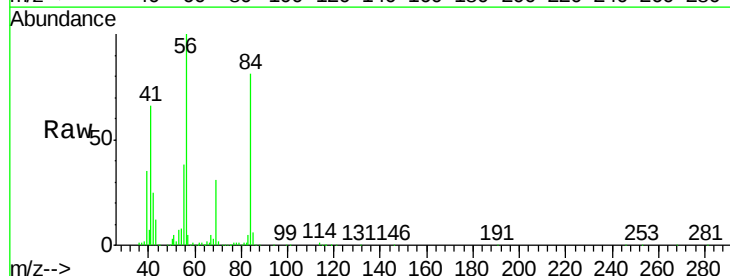
Instrument :
MSVOA_L
ClientSampleId :

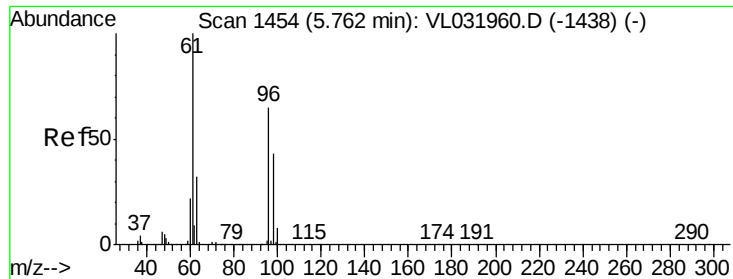
Tot Ion: 83 Resp: 2088626
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0



#30
Cyclohexane
Concen: 8.919 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 84 Resp: 913455
Ion Ratio Lower Upper
84 100
56 135.0 107.7 161.5
41 83.5 68.2 102.2

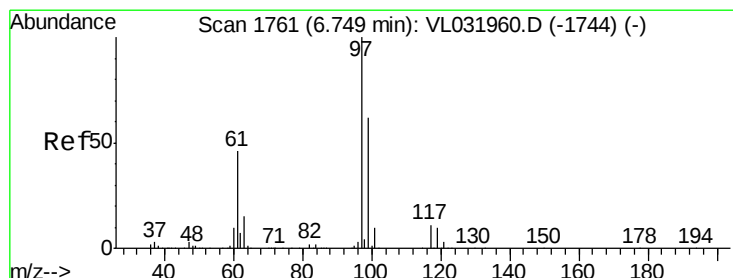
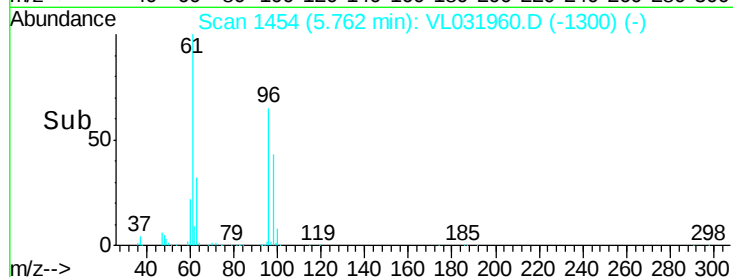
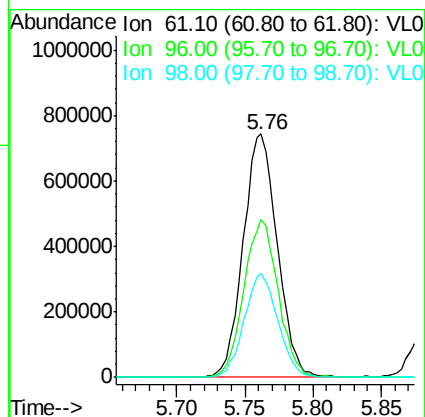
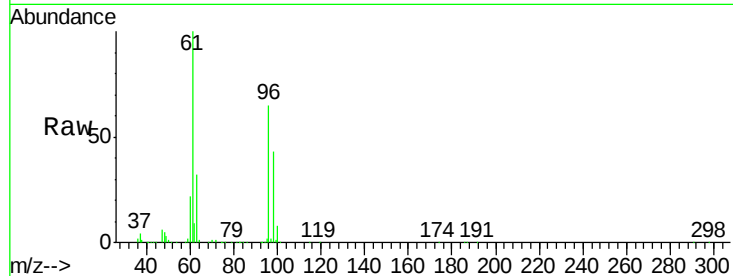




#31
 cis-1,2-Dichloroethene
 Concen: 9.926 ppbv
 RT: 5.76 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

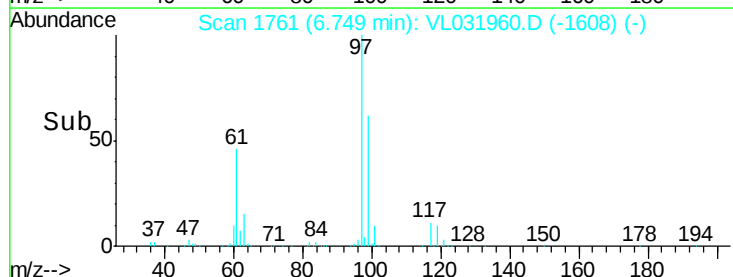
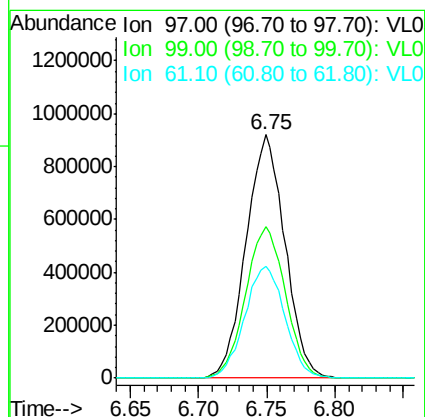
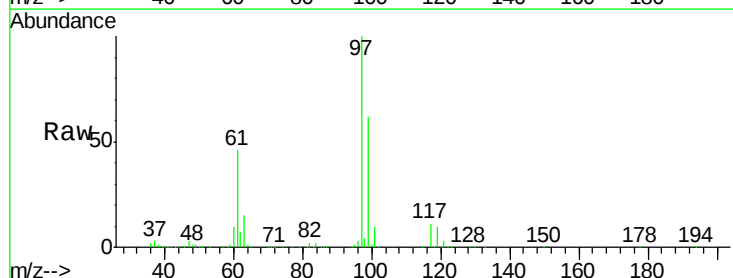
Instrument :
 MSVOA_L
 ClientSampleId :

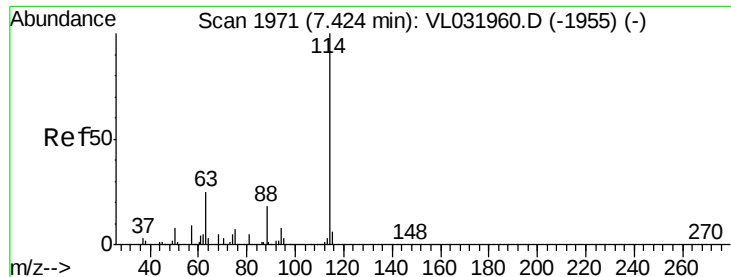
Tot Ion: 61 Resp: 1289561
 Ion Ratio Lower Upper
 61 100
 96 64.7 47.6 71.4
 98 42.8 30.3 45.5



#32
 1,1,1-Trichloroethane
 Concen: 7.686 ppbv
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 97 Resp: 1819873
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.5 77.3
 61 47.6 40.0 60.0

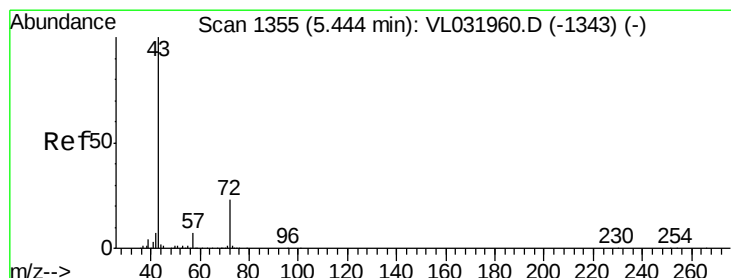
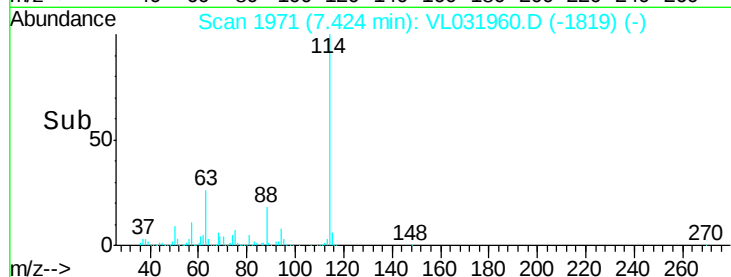
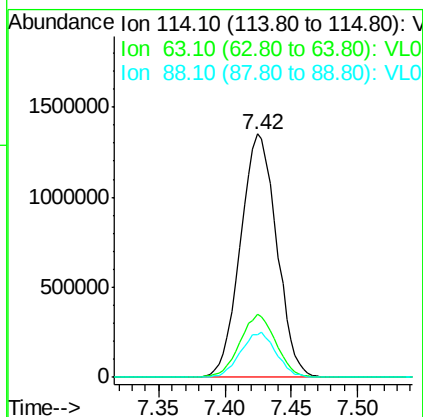
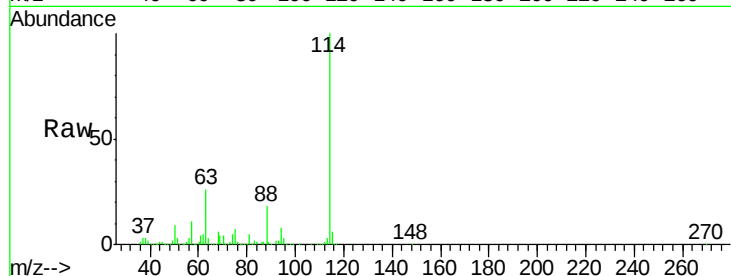




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.42 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

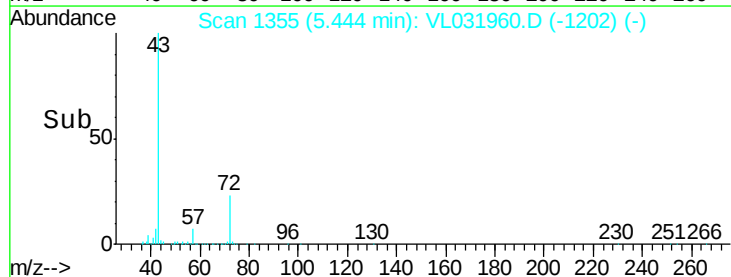
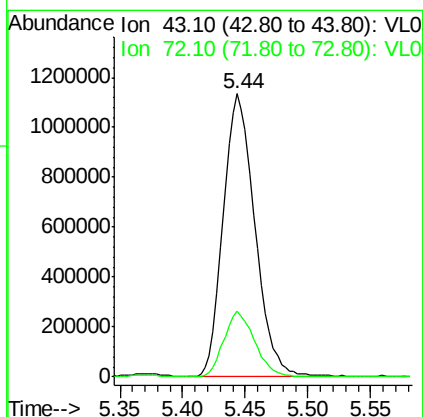
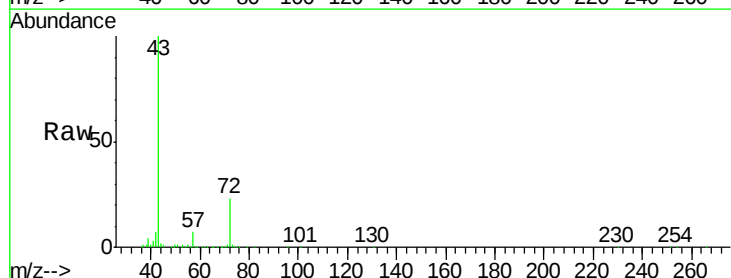
Instrument :
 MSVOA_L
 ClientSampleId :

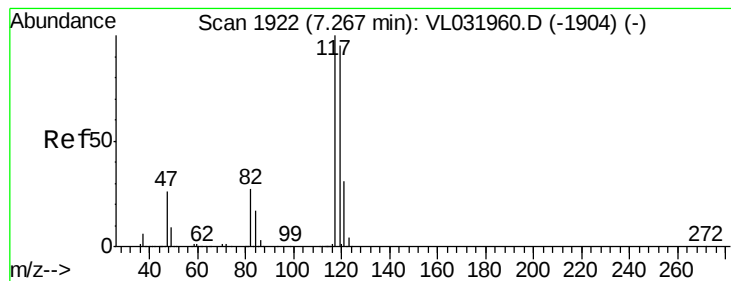
Tot Ion:114 Resp: 2569488
 Ion Ratio Lower Upper
 114 100
 63 26.0 21.8 32.6
 88 18.2 14.6 22.0



#34
 2-Butanone
 Concen: 11.097 ppbv
 RT: 5.44 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 43 Resp: 1978095
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.6 27.8





#35

Carbon Tetrachloride

Concen: 8.259 ppbv

RT: 7.27 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampleId :

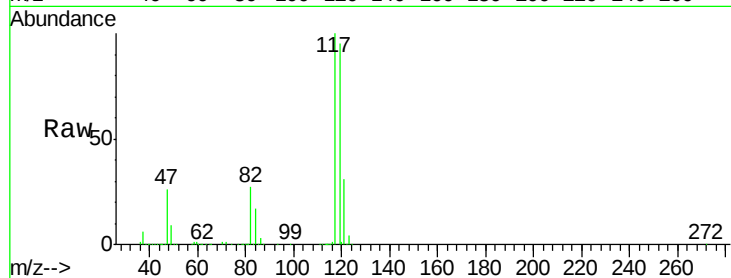
Tot Ion:117 Resp: 1843240

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3

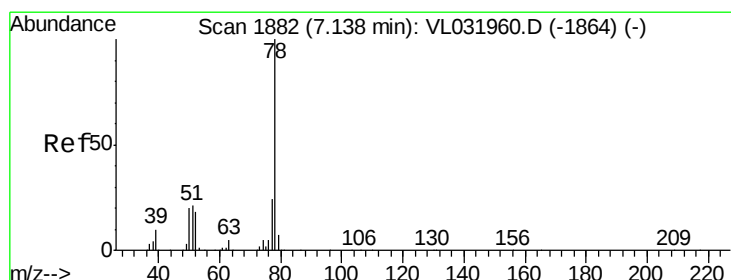
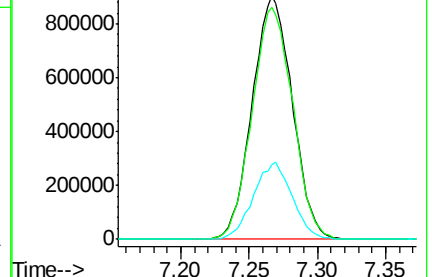
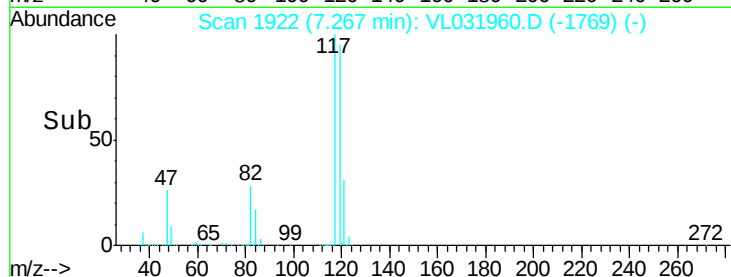
121 30.5 24.5 36.7



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: 9.860 ppbv

RT: 7.14 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

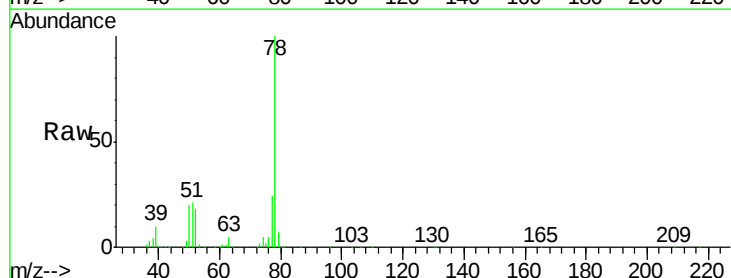
Tgt Ion: 78 Resp: 2278880

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8

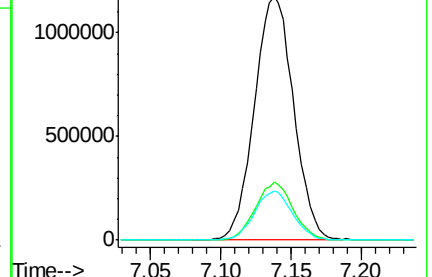
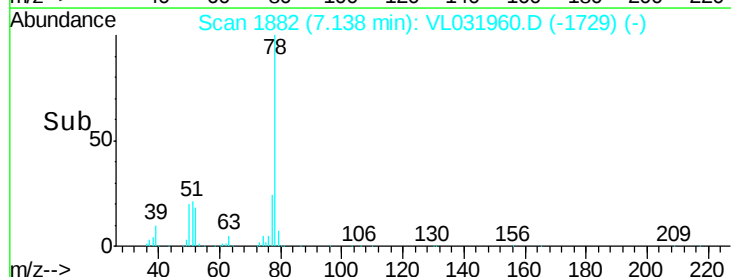
50 20.3 16.7 25.1

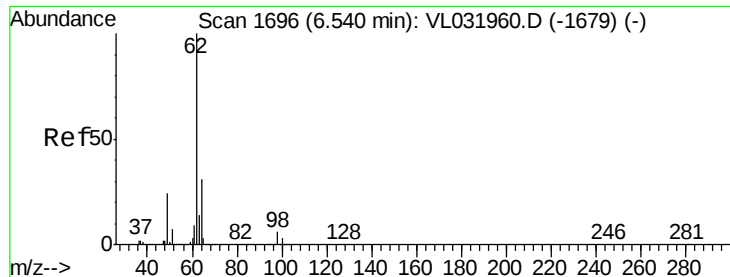


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

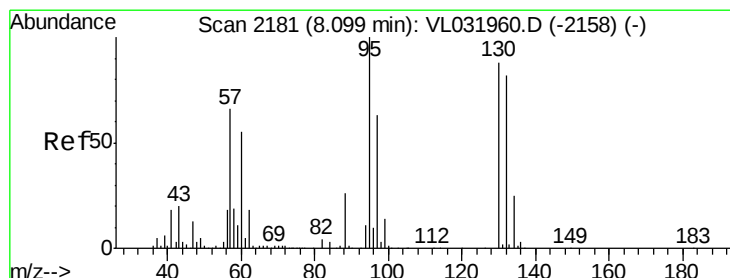
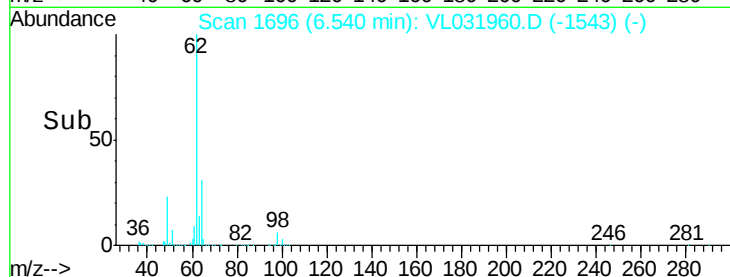
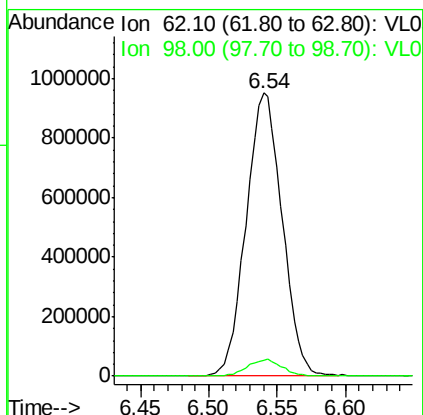
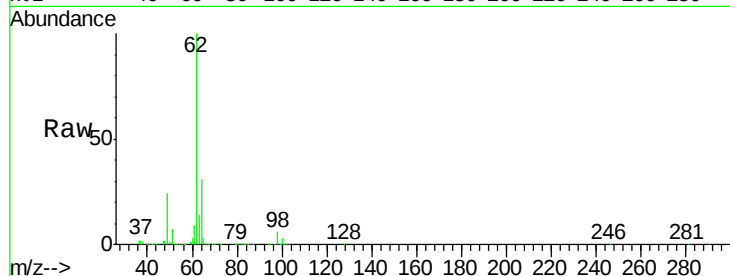




#37
1,2-Dichloroethane
Concen: 10.138 ppbv
RT: 6.54 min Scan# 1696
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

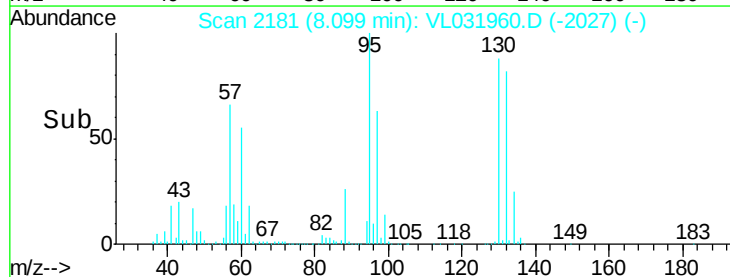
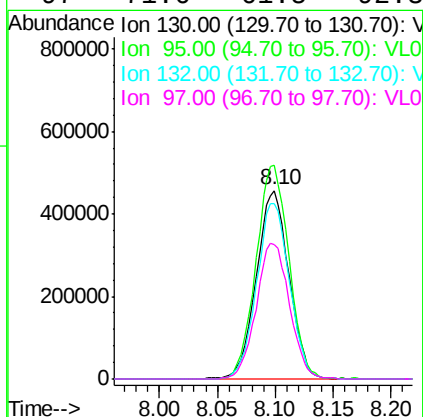
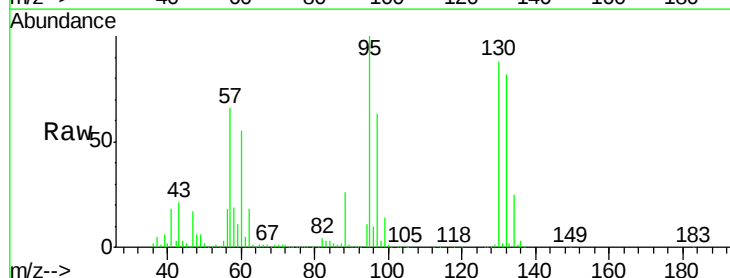
Instrument :
MSVOA_L
ClientSampled :

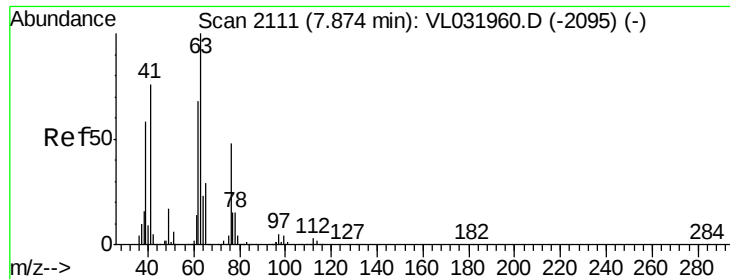
Tot Ion: 62 Resp: 1743336
Ion Ratio Lower Upper
62 100
98 5.7 4.0 6.0



#38
Trichloroethene
Concen: 9.528 ppbv
RT: 8.10 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion:130 Resp: 893877
Ion Ratio Lower Upper
130 100
95 113.4 96.6 144.8
132 92.9 79.1 118.7
97 71.6 61.5 92.3





#39

1,2-Dichloropropane

Concen: 9.396 ppbv

RT: 7.87 min Scan# 2111

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampleId :

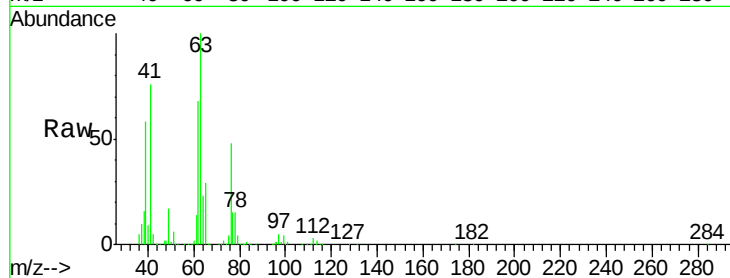
Tot Ion: 63 Resp: 807286

Ion Ratio Lower Upper

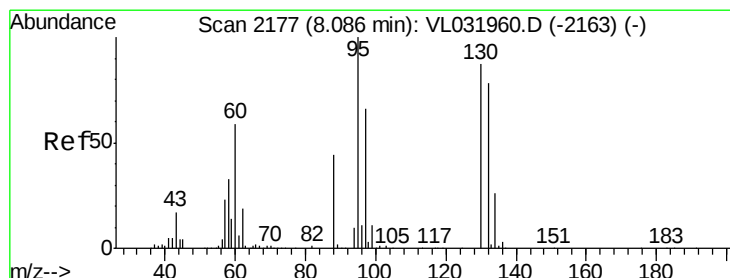
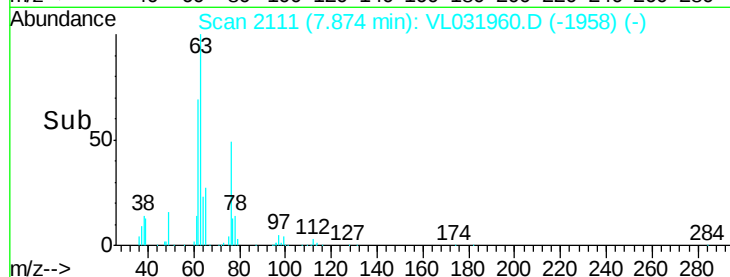
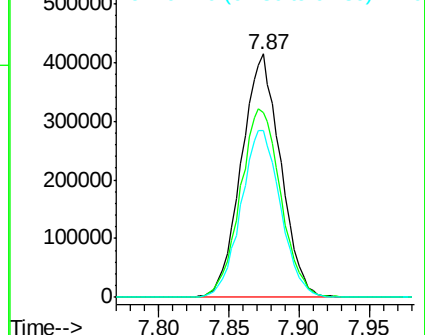
63 100

41 75.9 65.8 98.6

62 68.4 55.0 82.6



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.405 ppbv

RT: 8.09 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Tgt Ion: 88 Resp: 362857

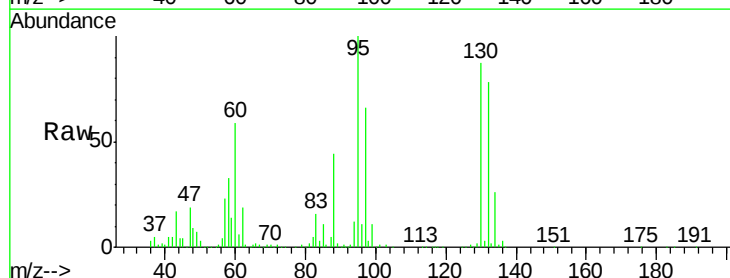
Ion Ratio Lower Upper

88 100

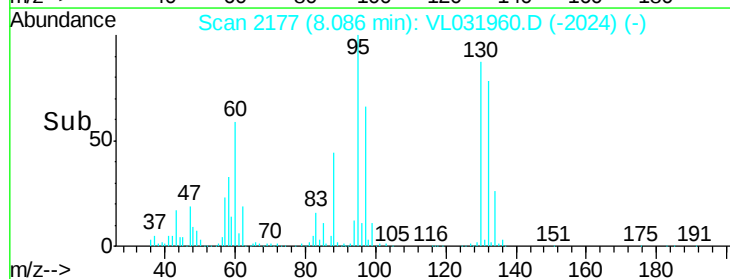
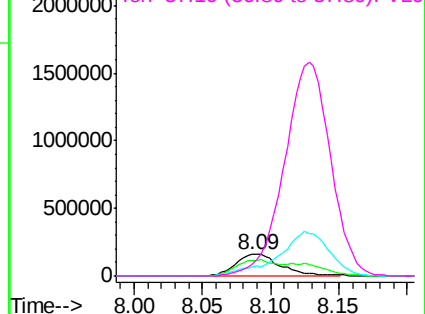
58 118.6 98.5 147.7

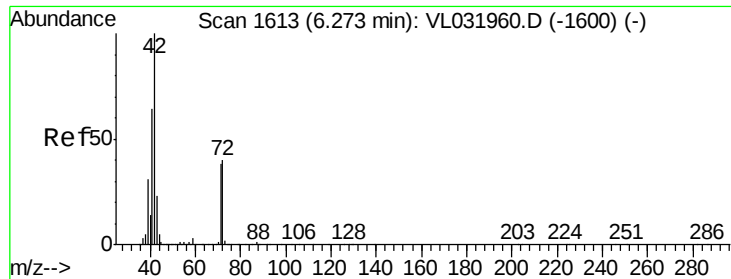
43 235.2 194.3 291.5

57 1024.5 861.8 1292.6



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

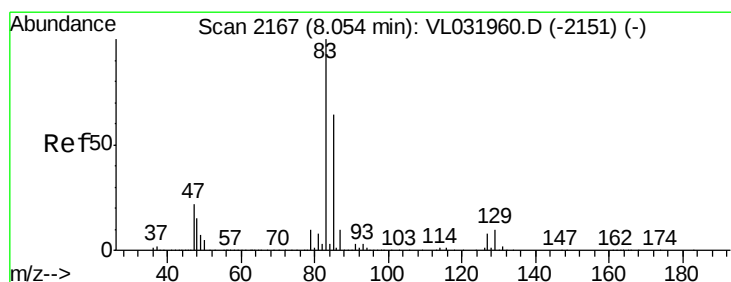
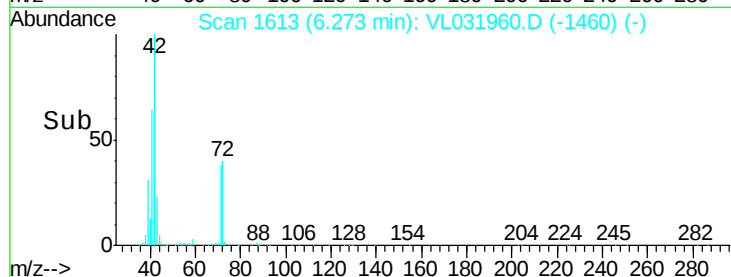
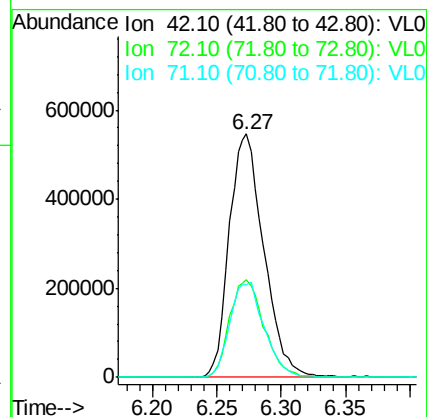
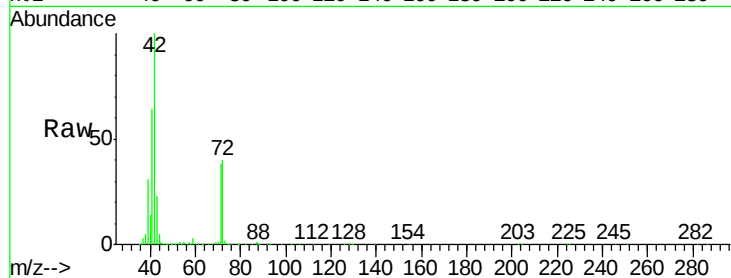




#41
Tetrahydrofuran
Concen: 12.280 ppbv
RT: 6.27 min Scan# 1613
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

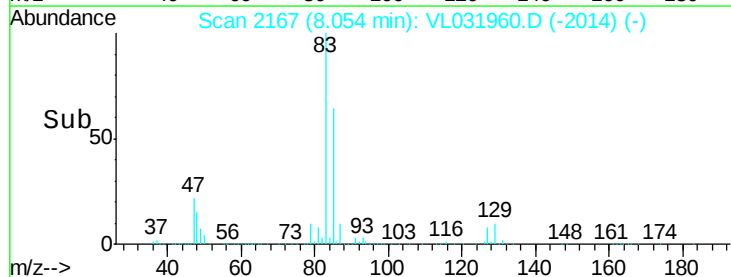
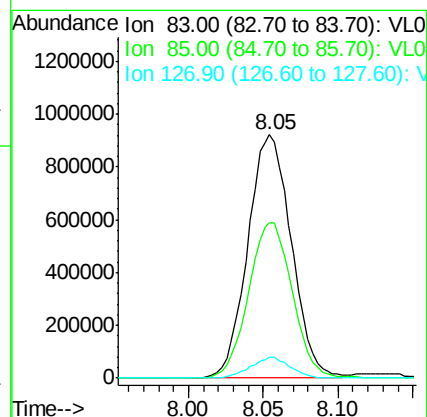
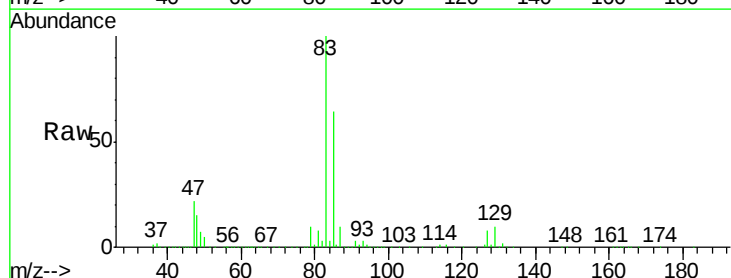
Instrument :
MSVOA_L
ClientSampleId :

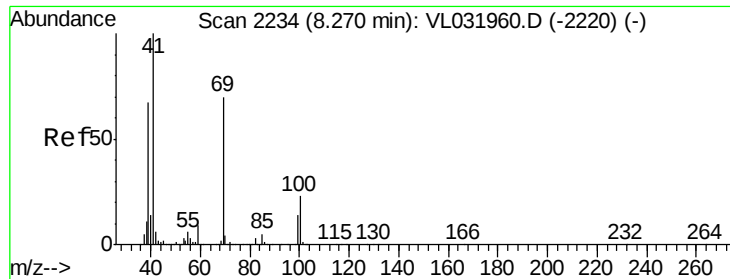
Tot Ion: 42 Resp: 1013127
Ion Ratio Lower Upper
42 100
72 40.4 33.2 49.8
71 39.3 31.5 47.3



#42
Bromodichloromethane
Concen: 9.062 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 83 Resp: 1864491
Ion Ratio Lower Upper
83 100
85 63.8 50.5 75.7
127 8.4 6.0 9.0

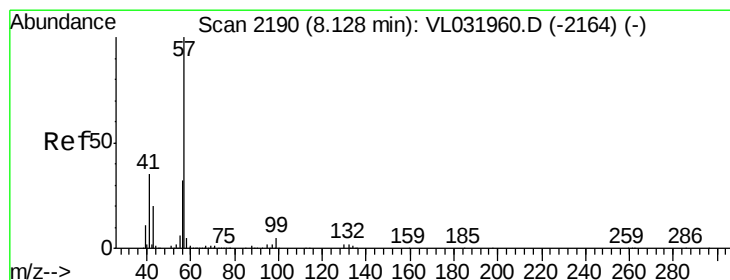
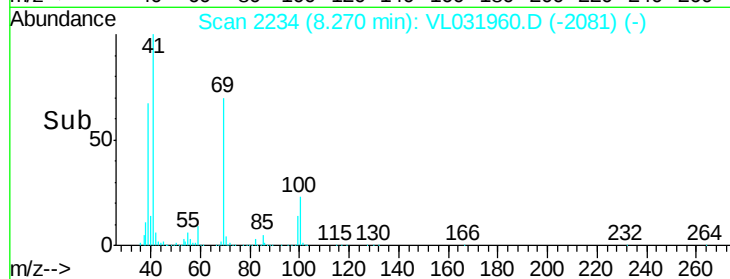
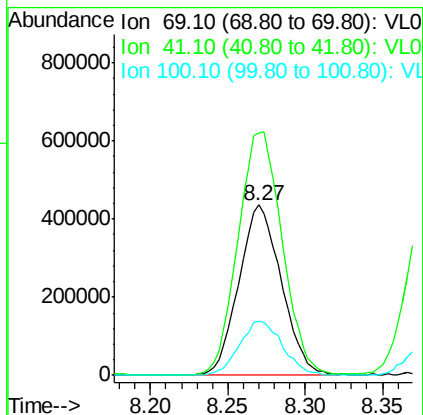
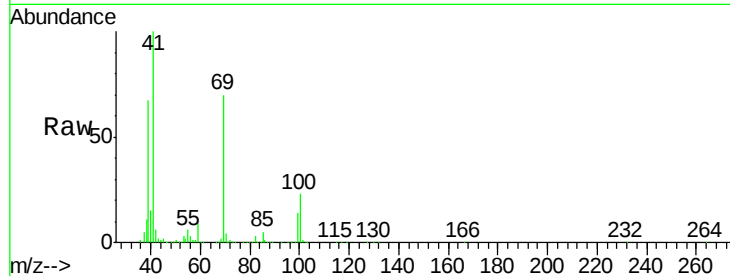




#43
Methvl Methacrilate
Concen: 10.222 ppbv
RT: 8.27 min Scan# 2234
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

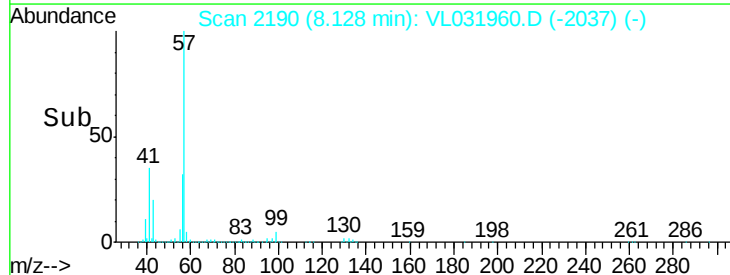
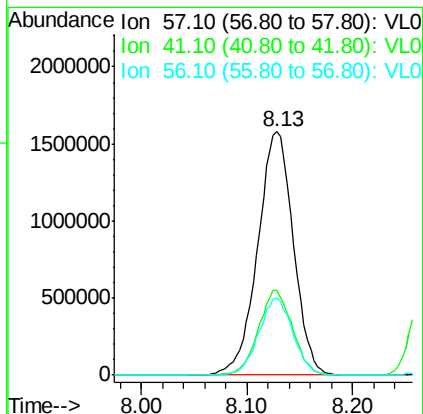
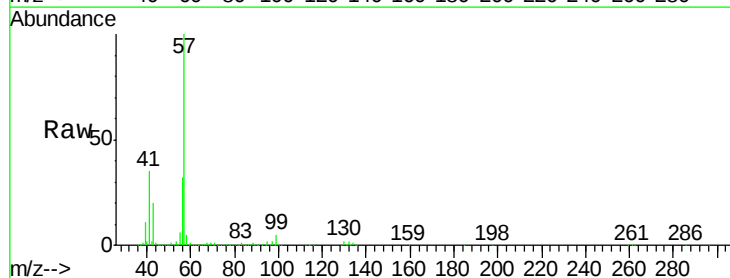
Instrument :
MSVOA_L
ClientSampleId :

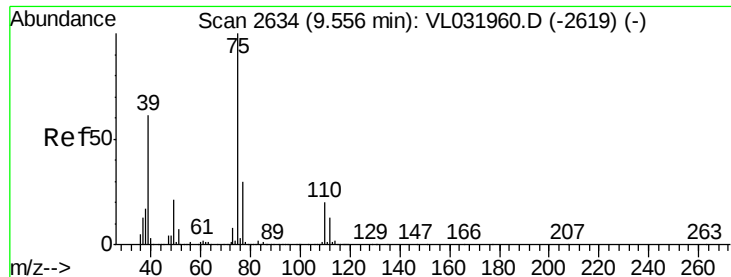
Tot Ion: 69 Resp: 831318
Ion Ratio Lower Upper
69 100
41 149.3 117.8 176.8
100 32.5 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.322 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 57 Resp: 3710465
Ion Ratio Lower Upper
57 100
41 33.2 27.0 40.6
56 30.5 24.1 36.1





#45

t-1,3-Dichloropropene

Concen: 11.281 ppbv

RT: 9.56 min Scan# 2634

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

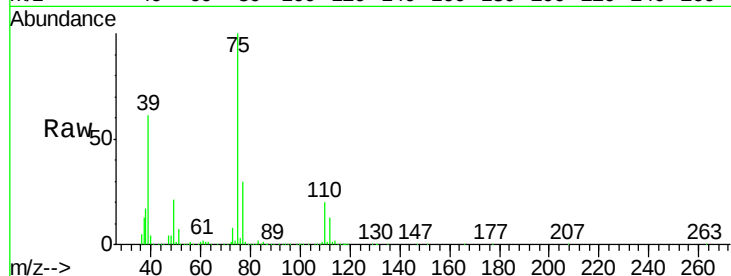
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1189913

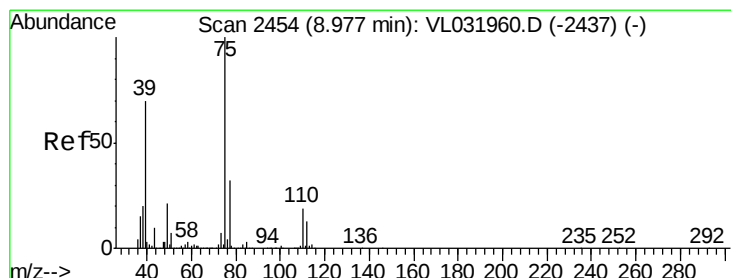
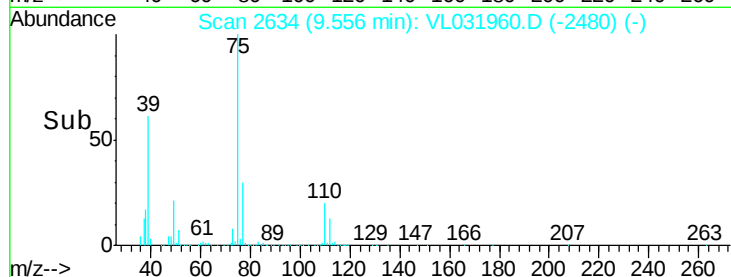
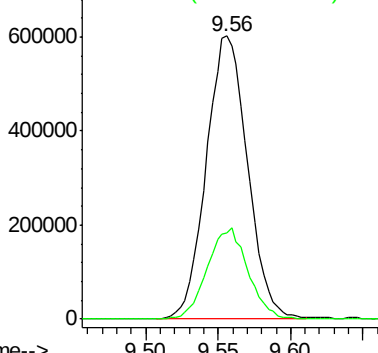
Ion Ratio Lower Upper

75 100

77 30.5 25.1 37.7



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



#46

cis-1,3-Dichloropropene

Concen: 10.869 ppbv

RT: 8.98 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

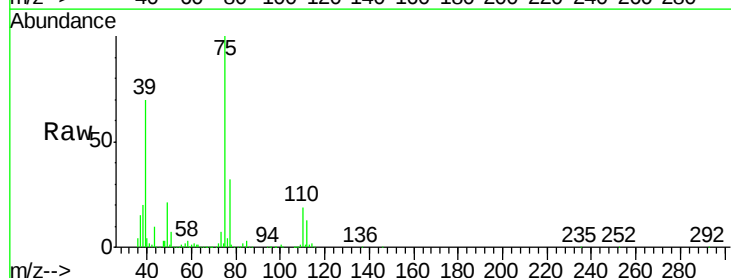
Tgt Ion: 75 Resp: 1465298

Ion Ratio Lower Upper

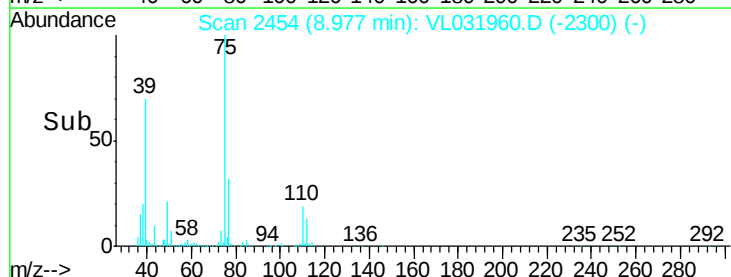
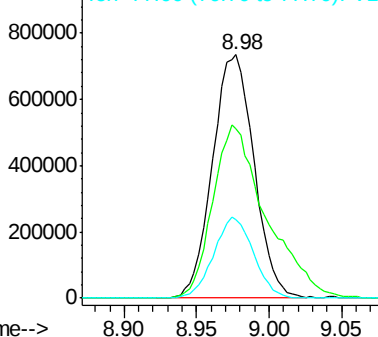
75 100

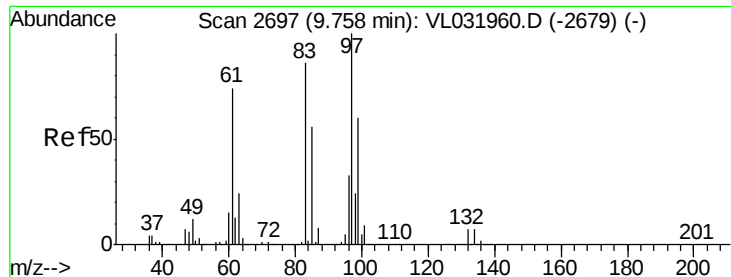
39 69.6 58.6 87.8

77 32.4 26.8 40.2



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

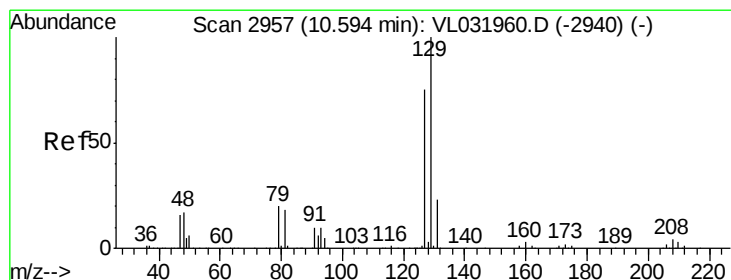
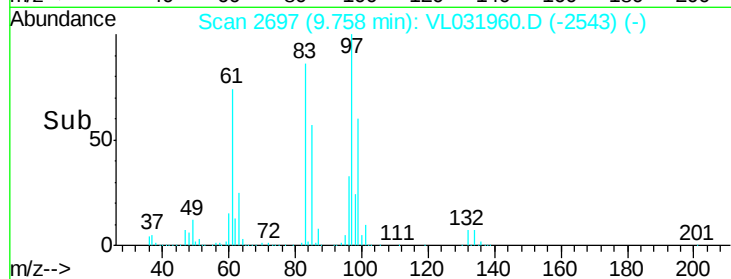
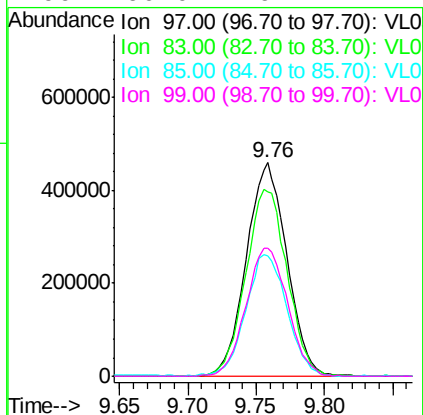
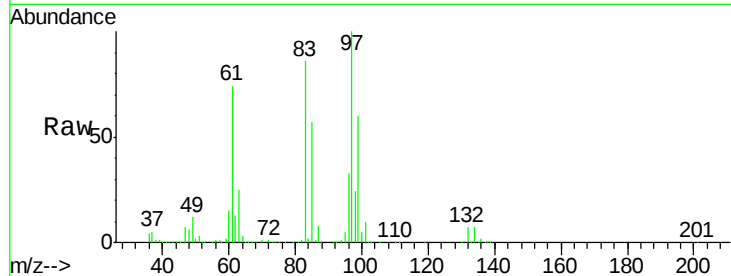




#47
 1,1,2-Trichloroethane
 Concen: 9.276 ppbv
 RT: 9.76 min Scan# 2697
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

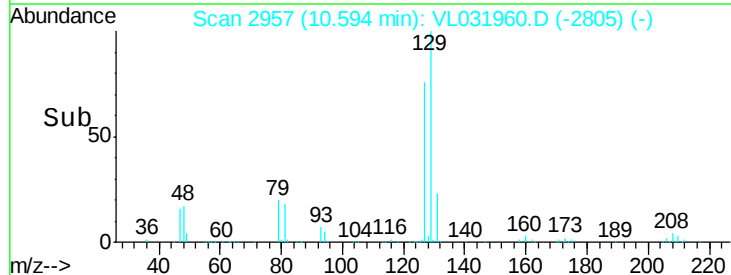
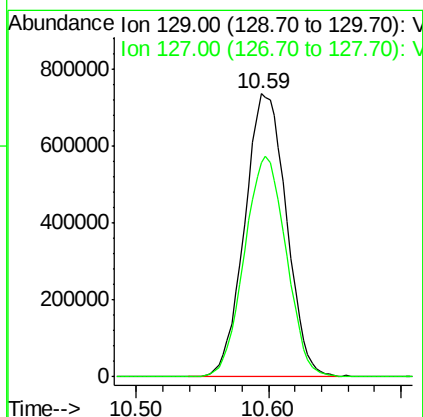
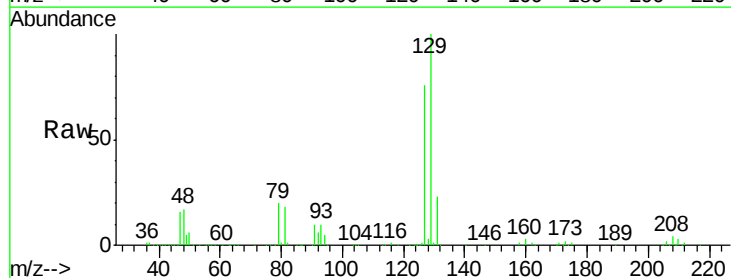
Instrument :
 MSVOA_L
 ClientSampleId :

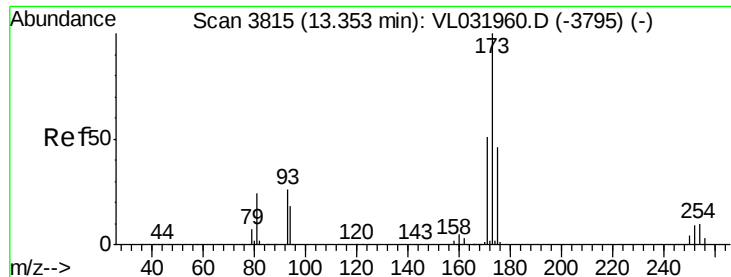
Tot Ion: 97 Resp: 947222
 Ion Ratio Lower Upper
 97 100
 83 86.2 69.1 103.7
 85 56.3 43.7 65.5
 99 60.0 49.4 74.2



#48
 Dibromochloromethane
 Concen: 9.748 ppbv
 RT: 10.59 min Scan# 2957
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 129 Resp: 1608674
 Ion Ratio Lower Upper
 129 100
 127 78.1 39.1 117.5





#49

Bromoform

Concen: 9.983 ppbv

RT: 13.35 min Scan# 3815

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampleId :

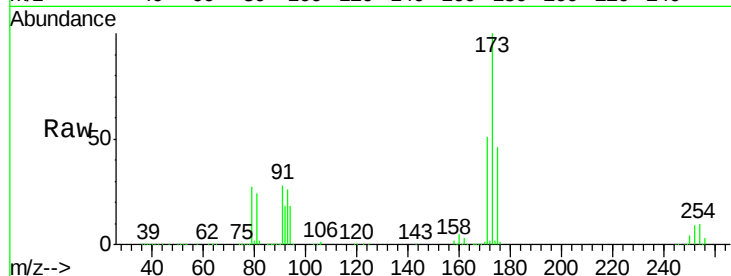
Tot Ion:173 Resp: 1268344

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

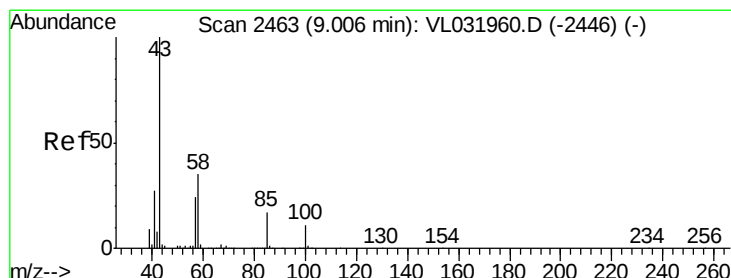
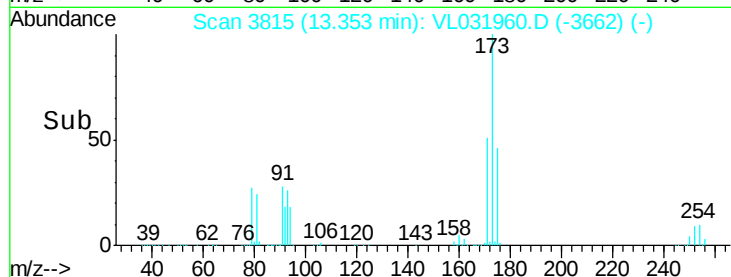
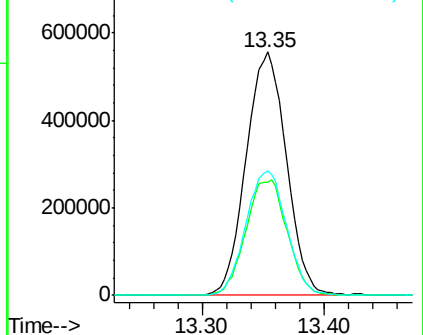
171 51.9 41.4 62.0



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: 9.865 ppbv

RT: 9.01 min Scan# 2463

Delta R.T. -0.01 min

Lab File: VL031960.D

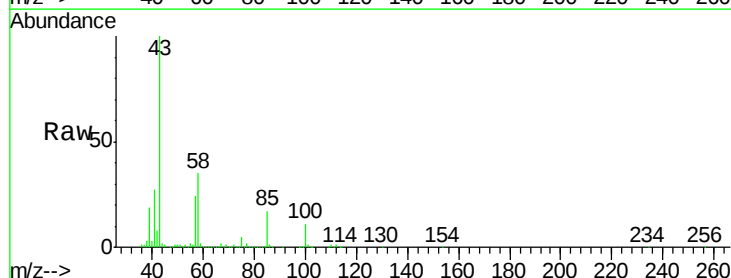
Acq: 3 May 2018 11:24

Tgt Ion: 43 Resp: 2012647

Ion Ratio Lower Upper

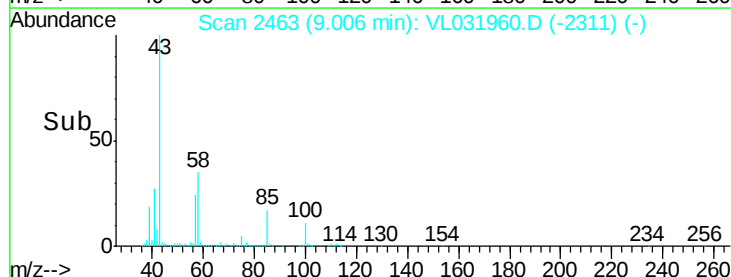
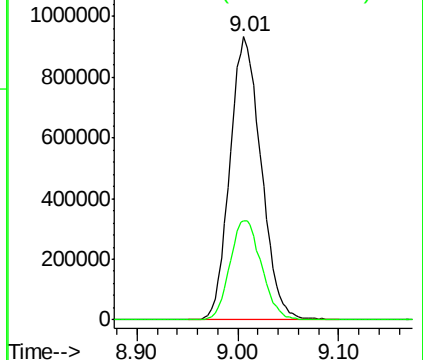
43 100

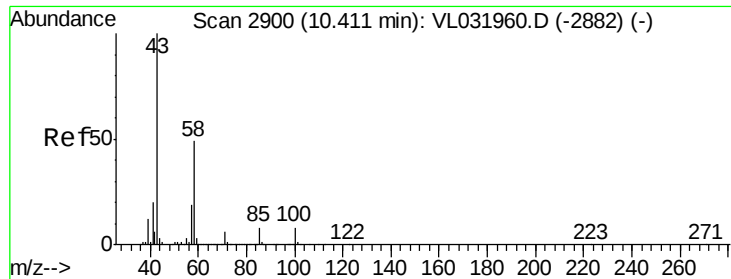
58 35.7 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.746 ppbv

RT: 10.41 min Scan# 2900

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampled :

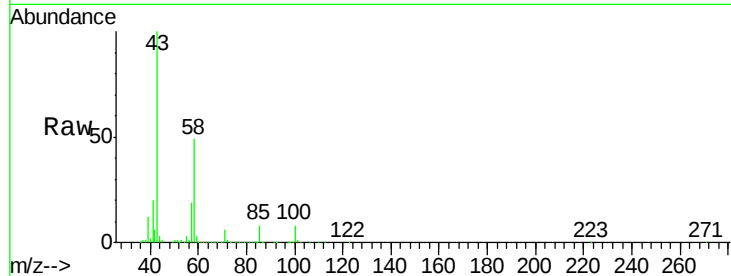
Tot Ion: 43 Resp: 1916368

Ion Ratio Lower Upper

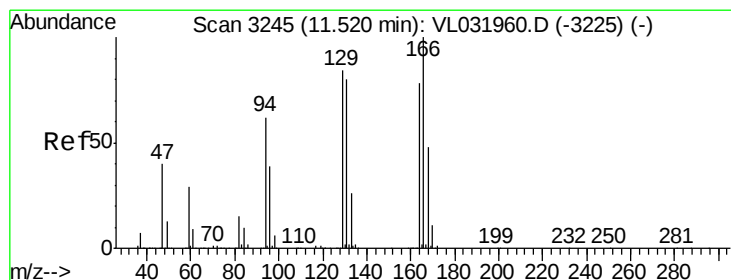
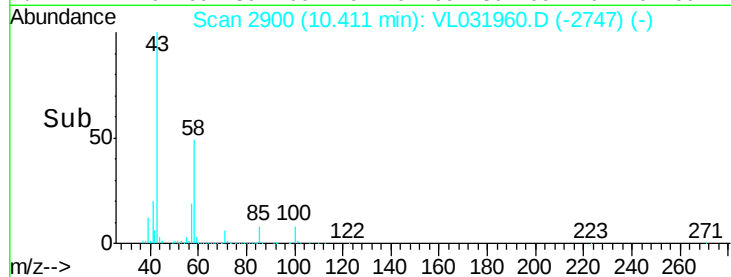
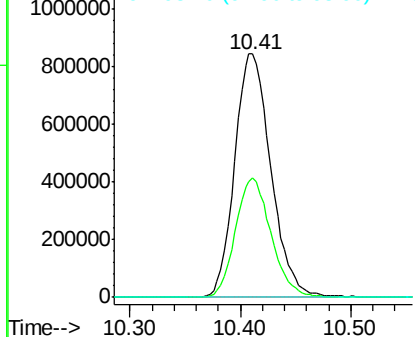
43 100

58 48.3 38.5 57.7

98 0.2 0.2 0.4#



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: 9.713 ppbv

RT: 11.52 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Tgt Ion:164 Resp: 874648

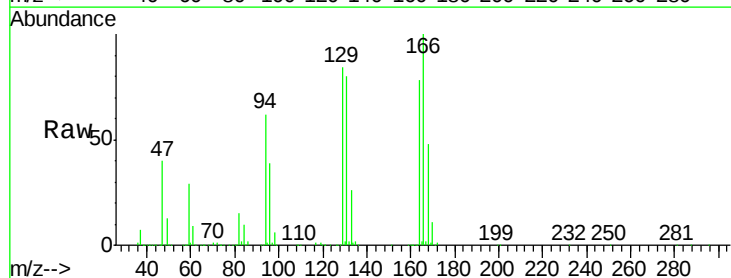
Ion Ratio Lower Upper

164 100

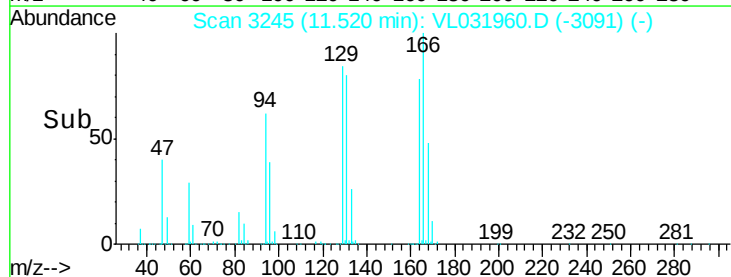
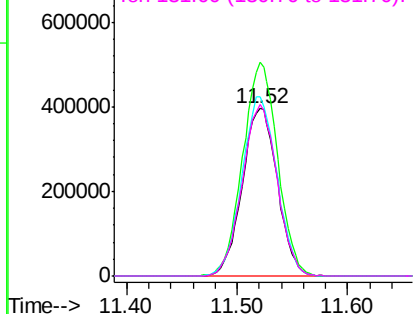
166 127.4 98.2 147.4

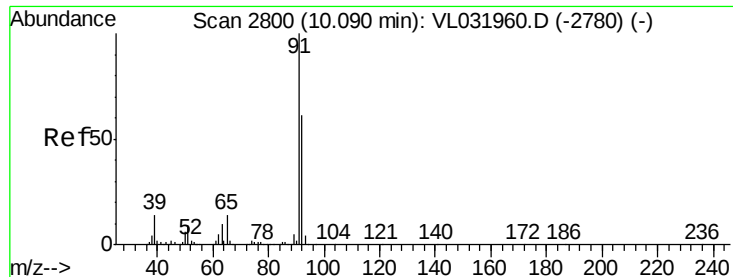
129 107.2 86.5 129.7

131 102.0 82.2 123.2



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: 10.482 ppbv

RT: 10.09 min Scan# 2800

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

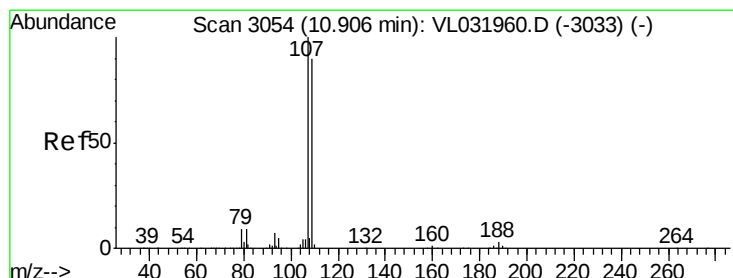
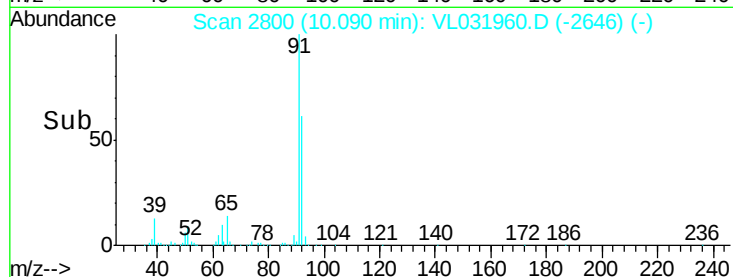
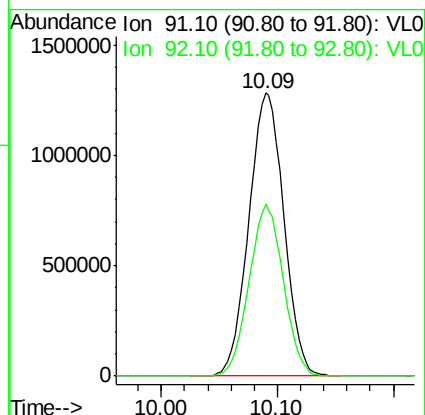
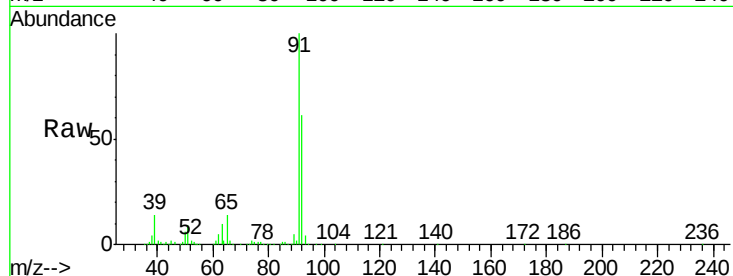
ClientSampled :

Tot Ion: 91 Resp: 2701446

Ion Ratio Lower Upper

91 100

92 59.3 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.978 ppbv

RT: 10.91 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VL031960.D

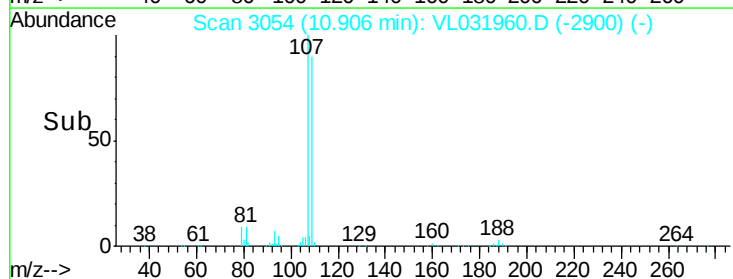
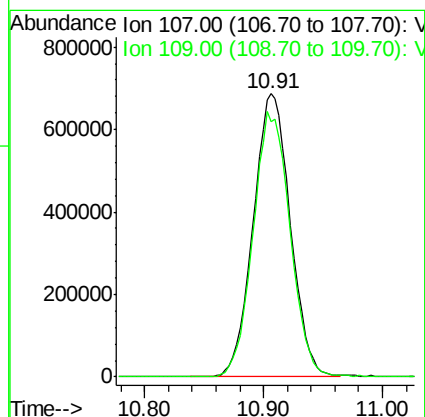
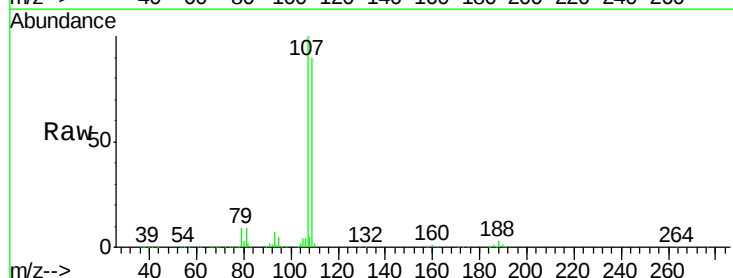
Acq: 3 May 2018 11:24

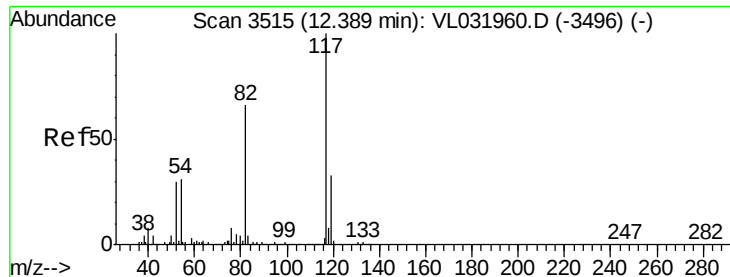
Tgt Ion:107 Resp: 1478890

Ion Ratio Lower Upper

107 100

109 90.1 74.6 112.0

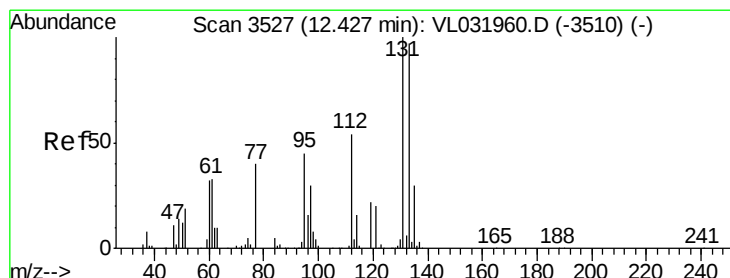
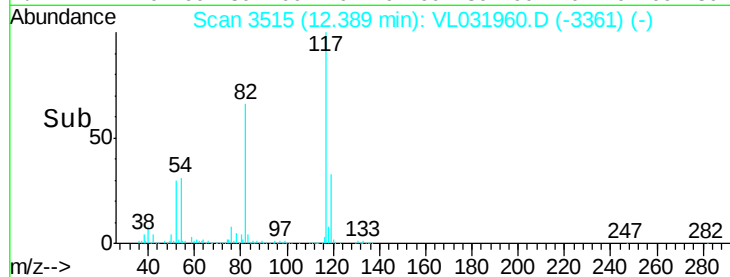
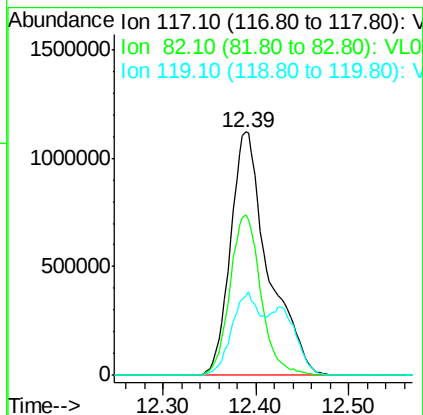
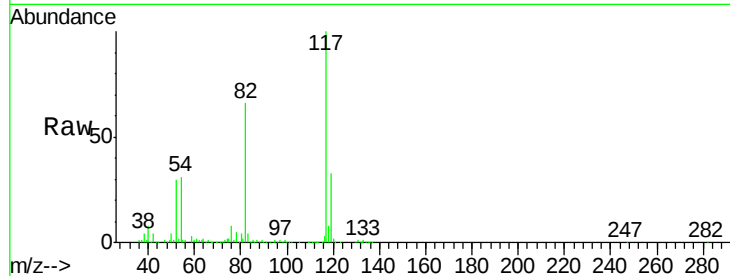




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

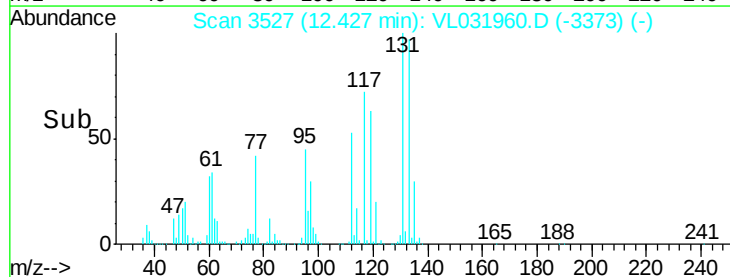
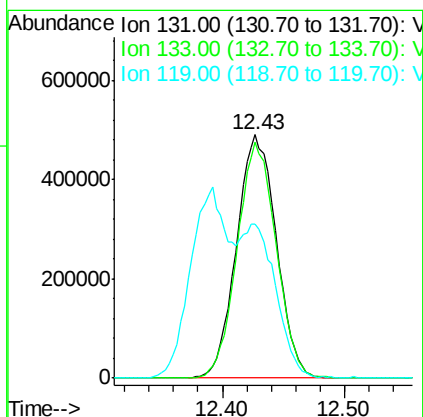
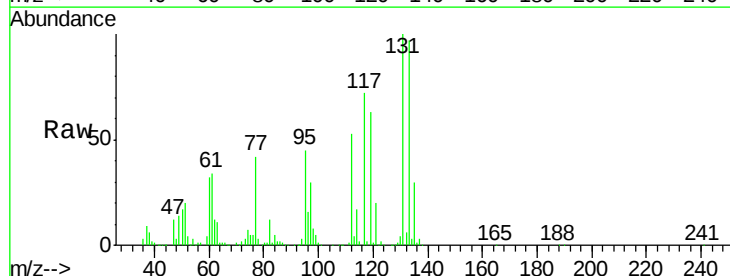
Instrument :
MSVOA_L
ClientSampled :

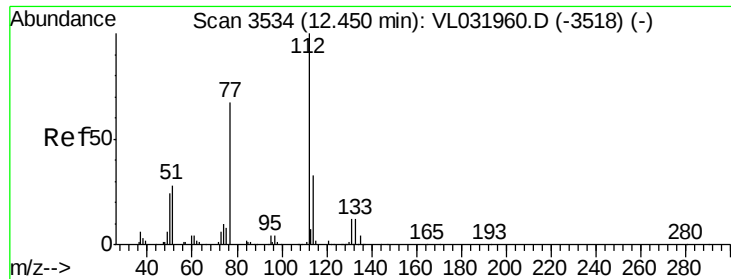
Tot Ion:117 Resp: 3159255
Ion Ratio Lower Upper
117 100
82 54.3 54.6 81.8#
119 46.6 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.423 ppbv
RT: 12.43 min Scan# 3527
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion:131 Resp: 1103621
Ion Ratio Lower Upper
131 100
133 95.3 76.1 114.1
119 55.9 106.3 159.5#

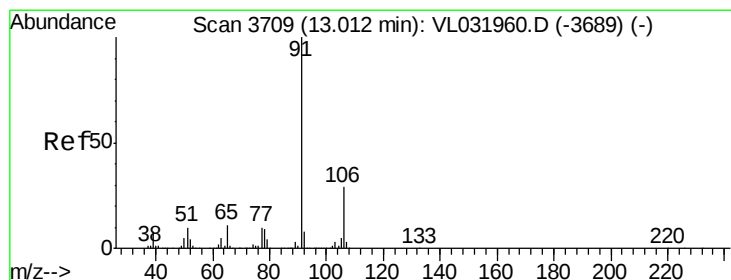
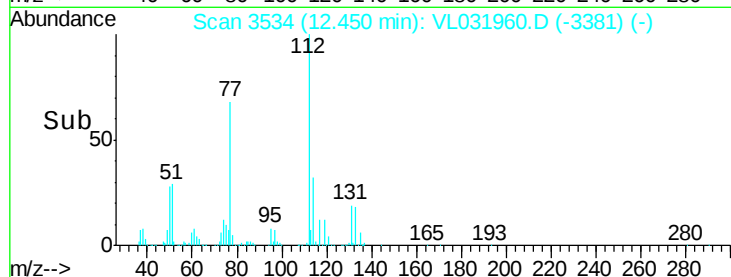
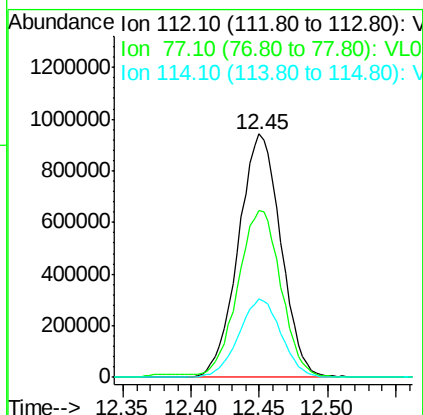
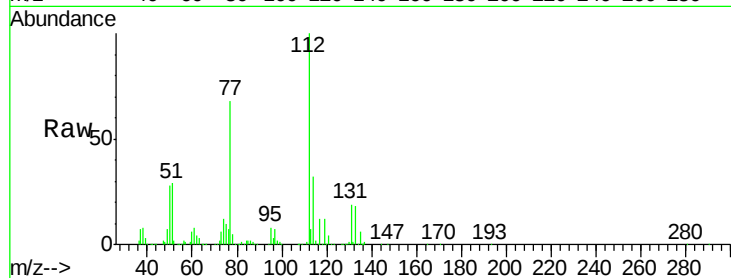




#57
Chlorobenzene
Concen: 7.578 ppbv
RT: 12.45 min Scan# 3534
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

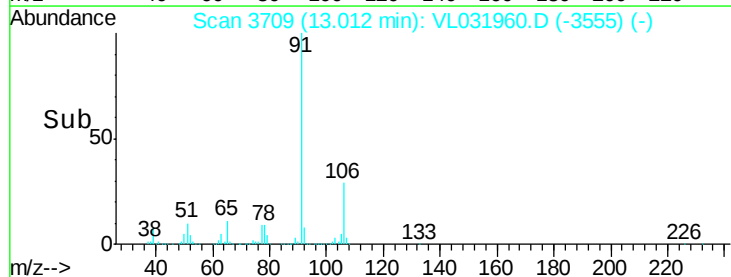
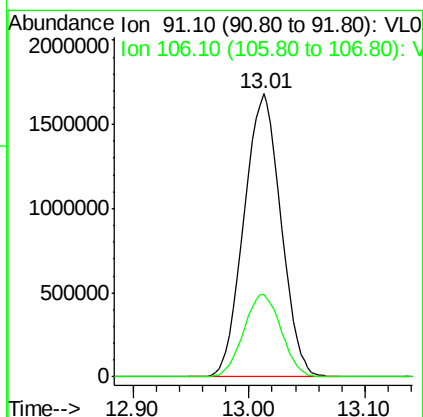
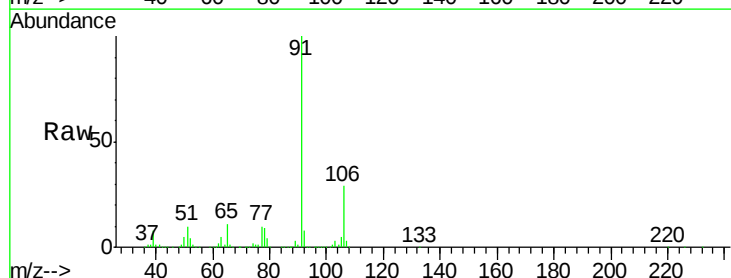
Instrument :
MSVOA_L
ClientSampled :

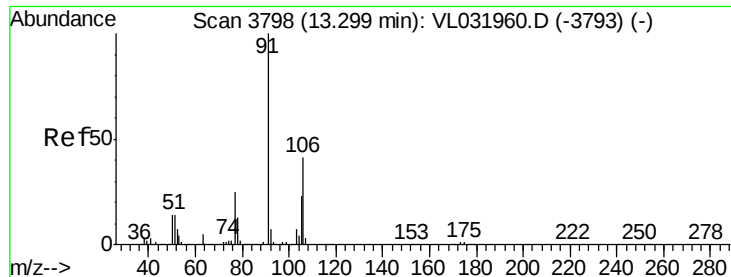
Tot Ion:112 Resp: 2029767
Ion Ratio Lower Upper
112 100
77 68.3 57.0 85.6
114 32.4 28.5 34.9



#58
Ethyl Benzene
Concen: 8.513 ppbv
RT: 13.01 min Scan# 3709
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 91 Resp: 3735077
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6

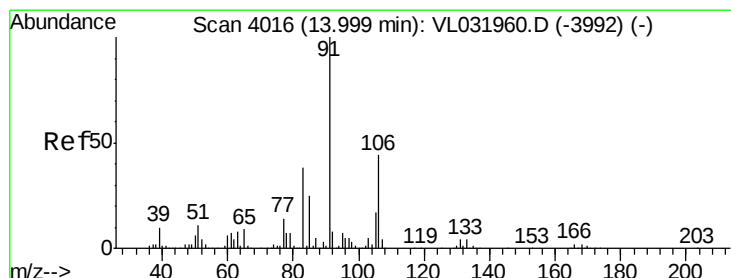
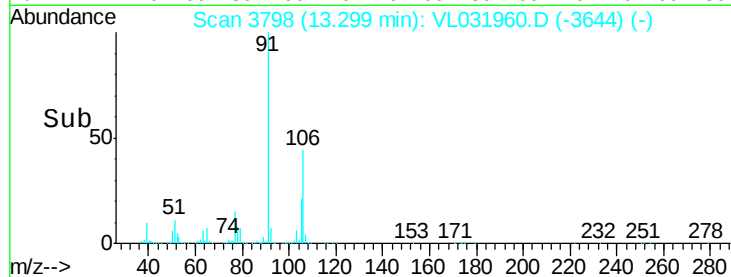
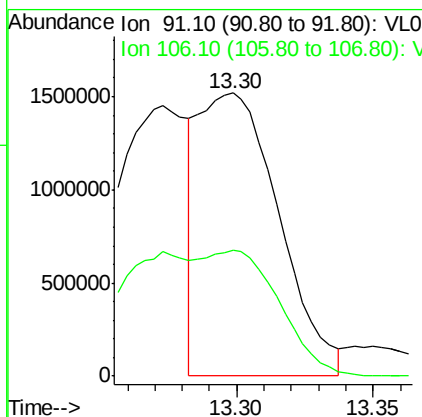
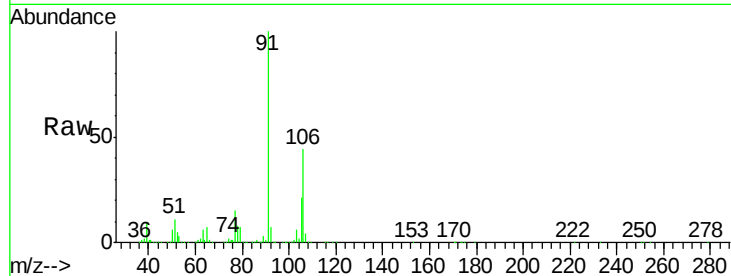




#59
m/p-Xylene
Concen: 8.087 ppbv
RT: 13.30 min Scan# 3798
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

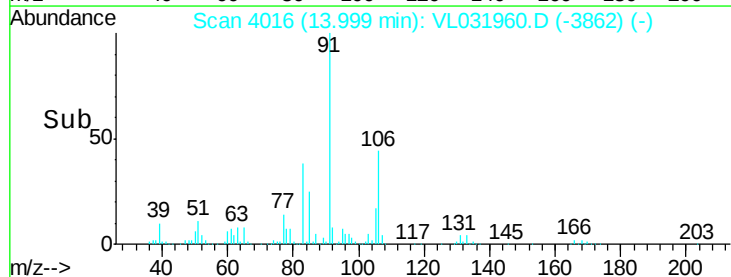
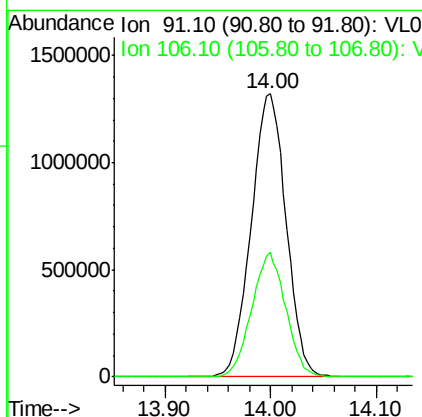
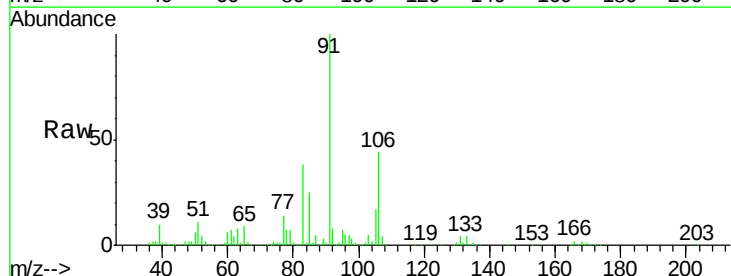
Instrument :
MSVOA_L
ClientSampled :

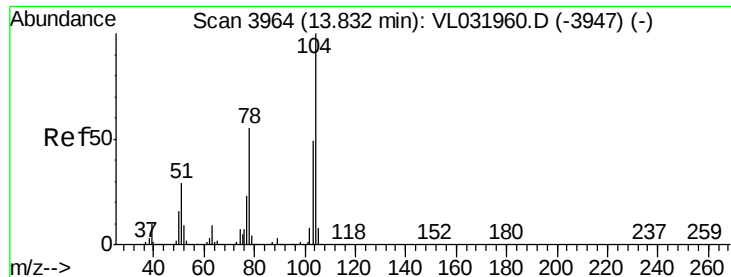
Tot Ion: 91 Resp: 3080814
Ion Ratio Lower Upper
91 100
106 87.1 35.5 53.3#



#60
o-Xylene
Concen: 7.975 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion: 91 Resp: 3036769
Ion Ratio Lower Upper
91 100
106 43.0 21.3 63.9

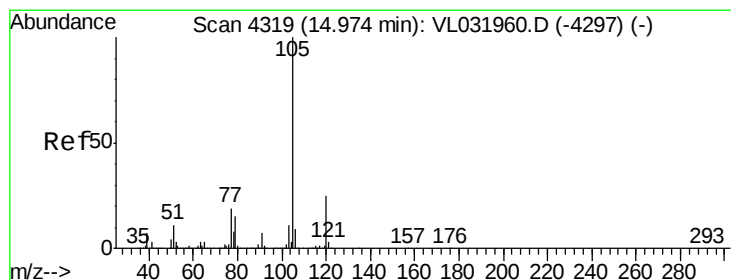
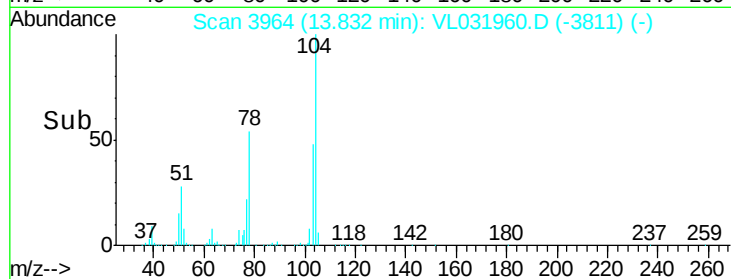
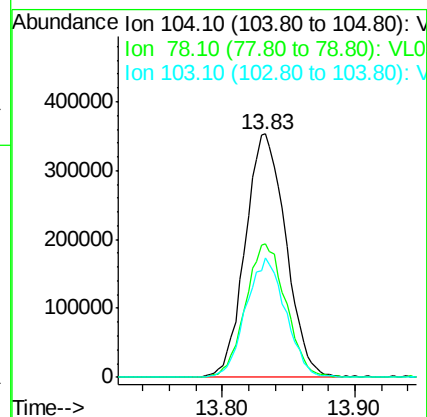
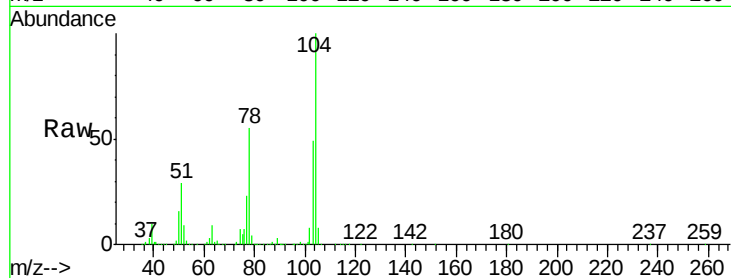




#61
Stvrene
Concen: 10.356 ppbv
RT: 13.83 min Scan# 3964
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

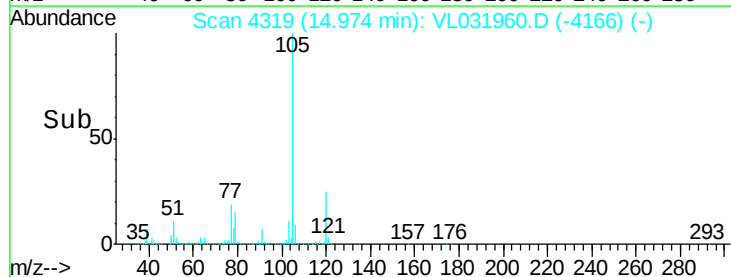
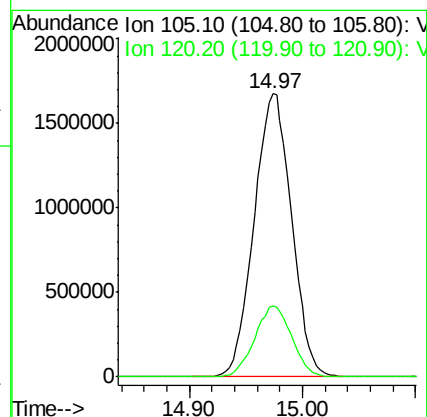
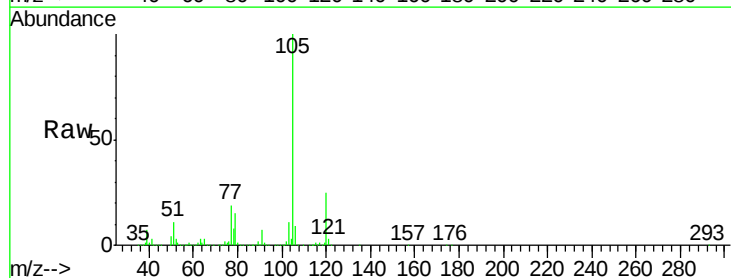
Instrument :
MSVOA_L
ClientSampled :

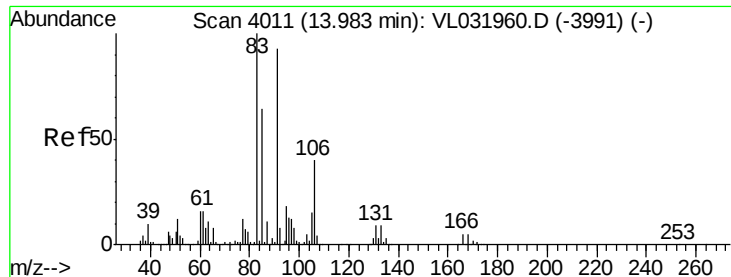
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.8	44.4	66.6
103	48.0	37.9	56.9



#62
Isopropylbenzene
Concen: 7.878 ppbv
RT: 14.97 min Scan# 4319
Delta R.T. -0.01 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.4	29.2

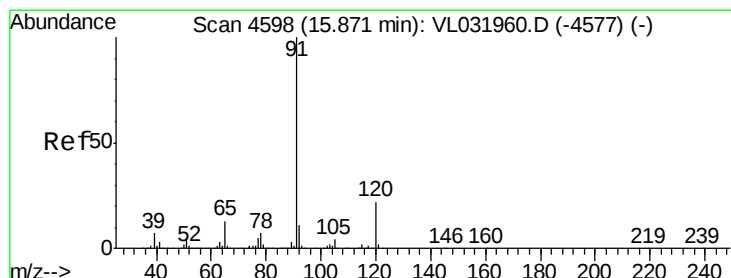
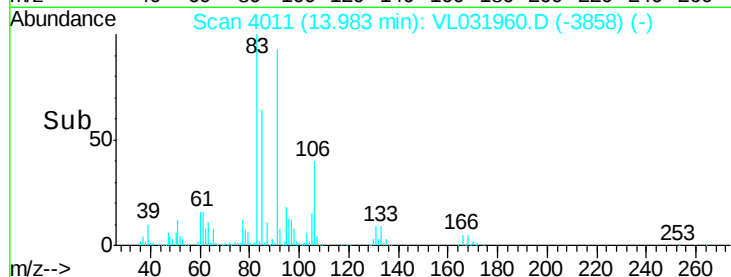
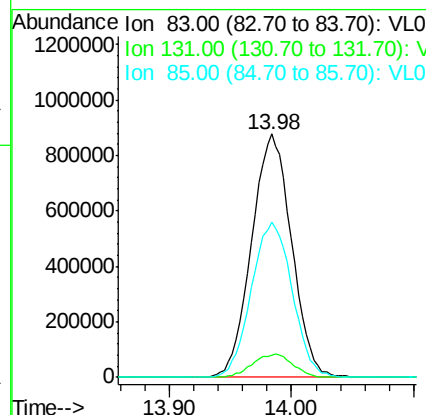
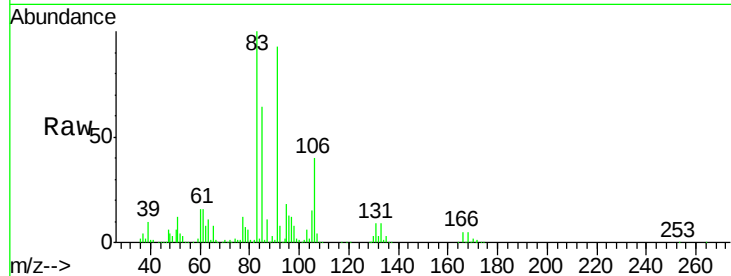




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.789 ppbv
 RT: 13.98 min Scan# 4011
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

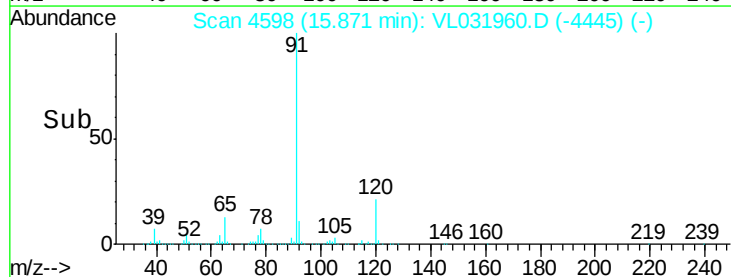
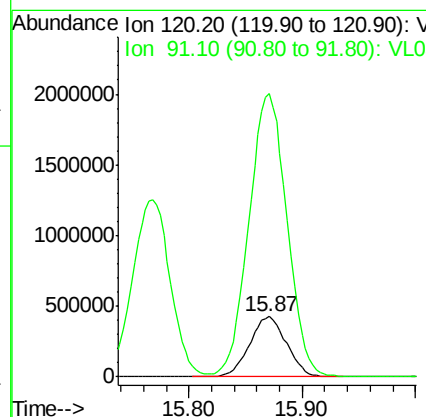
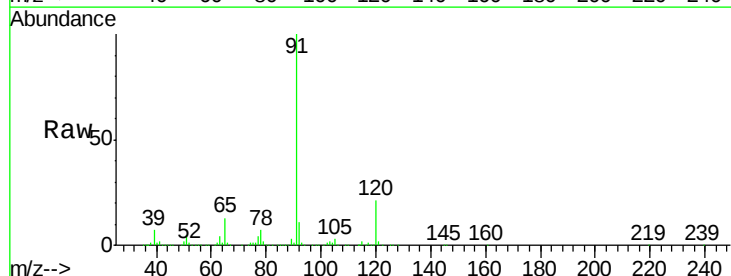
Instrument :
 MSVOA_L
 ClientSampled :

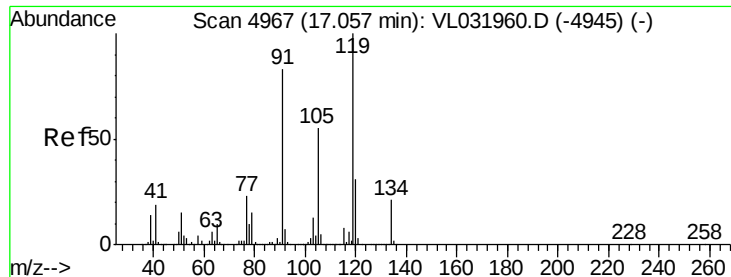
Tot Ion: 83 Resp: 1987436
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.6
 85 65.4 32.2 96.6



#64
 n-propylbenzene
 Concen: 8.130 ppbv
 RT: 15.87 min Scan# 4598
 Delta R.T. -0.01 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion:120 Resp: 966654
 Ion Ratio Lower Upper
 120 100
 91 485.8 393.7 590.5

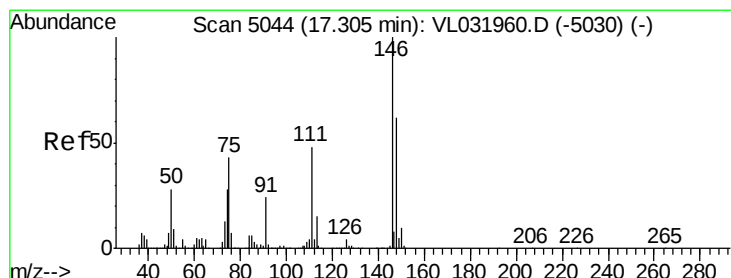
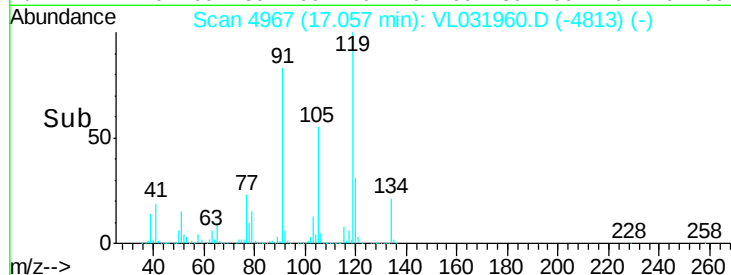
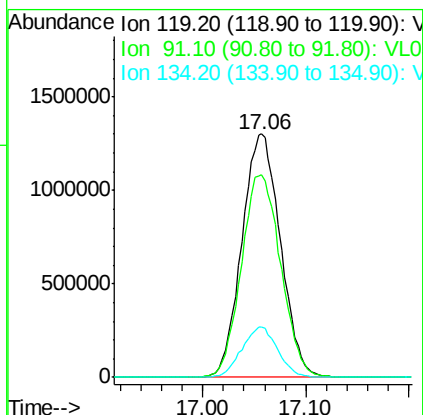
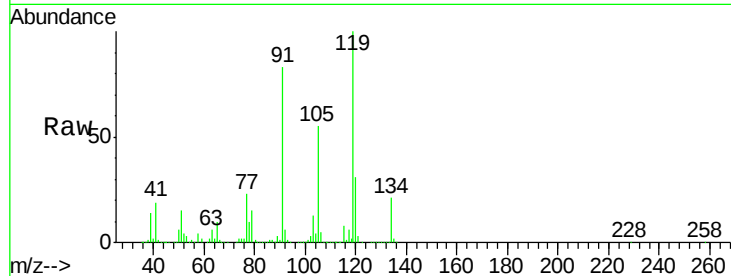




#65
 tert-Butylbenzene
 Concen: 8.025 ppbv
 RT: 17.06 min Scan# 4967
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

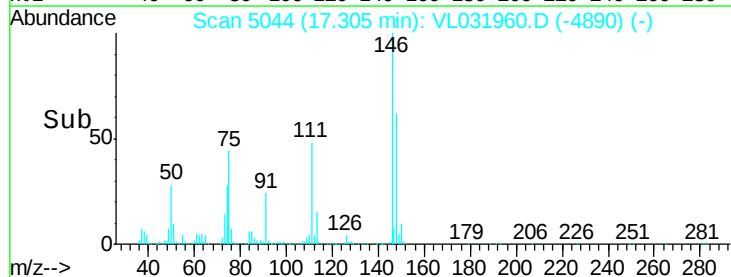
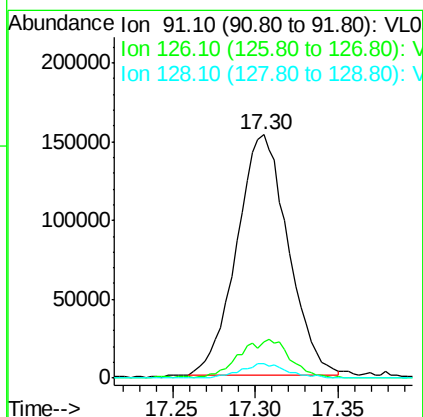
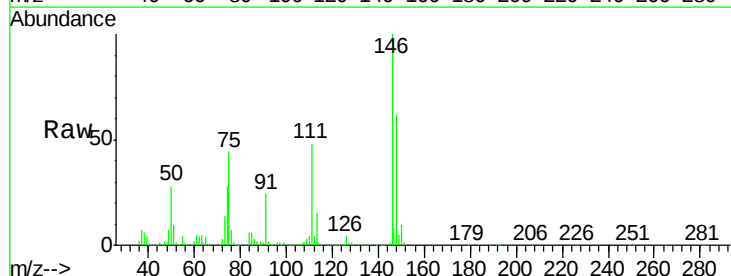
Instrument :
 MSVOA_L
 ClientSampleId :

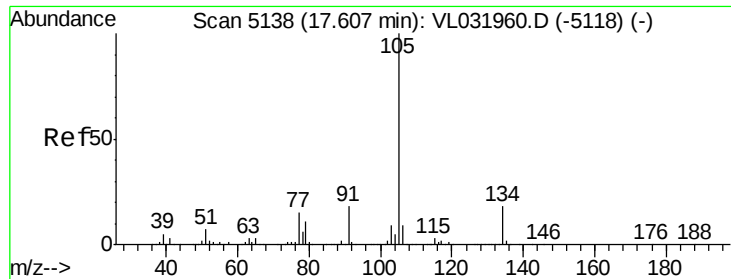
Tot Ion:119 Resp: 3376022
 Ion Ratio Lower Upper
 119 100
 91 85.1 69.4 104.0
 134 19.2 15.4 23.2



#66
 Benzyl Chloride
 Concen: 8.698 ppbv
 RT: 17.30 min Scan# 5044
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 91 Resp: 329688
 Ion Ratio Lower Upper
 91 100
 126 16.7 12.6 19.0
 128 5.7 4.0 6.0





#67

sec-Butylbenzene

Concen: 7.845 ppbv

RT: 17.61 min Scan# 5138

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

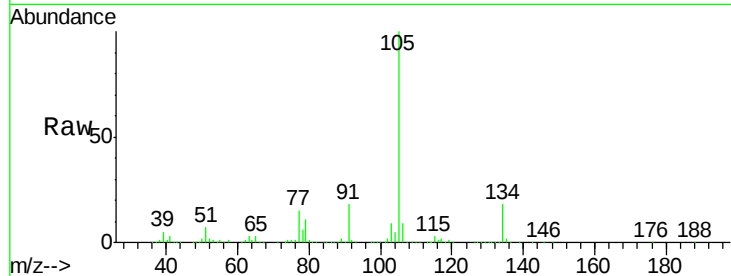
ClientSampleId :

Tot Ion: 105 Resp: 4754400

Ion Ratio Lower Upper

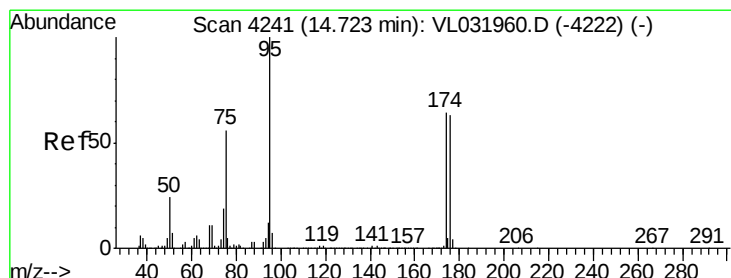
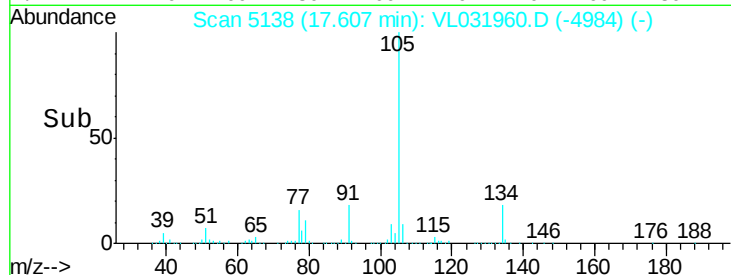
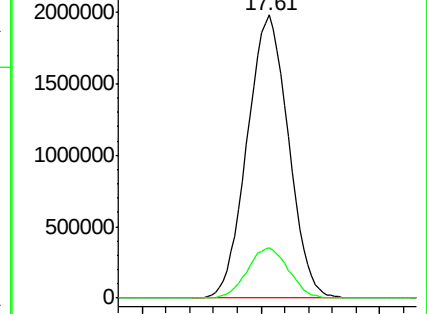
105 100

134 17.8 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.868 ppbv

RT: 14.72 min Scan# 4241

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

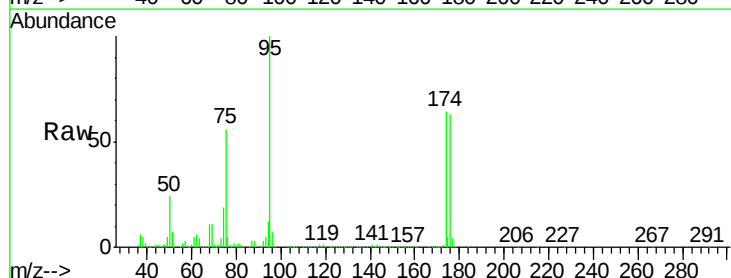
Tgt Ion: 95 Resp: 1998659

Ion Ratio Lower Upper

95 100

174 66.3 52.3 78.5

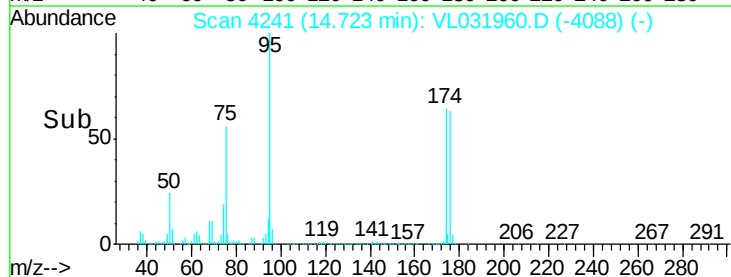
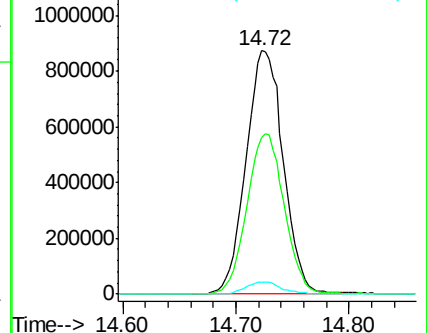
175 4.9 3.9 5.9

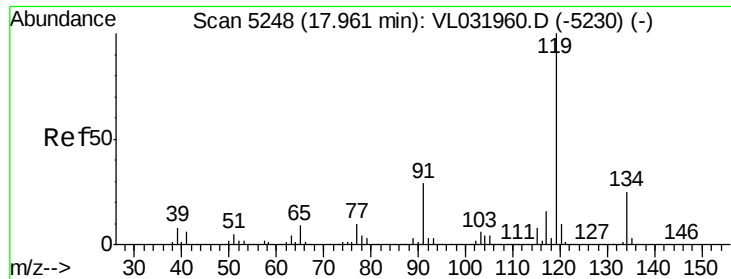


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

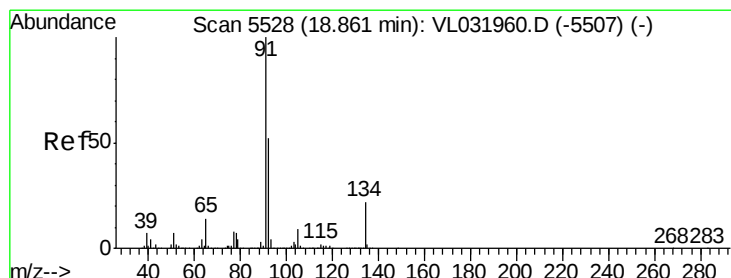
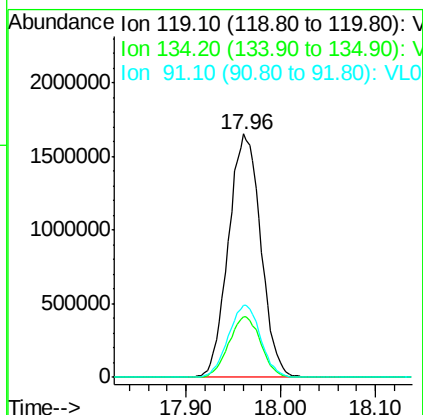
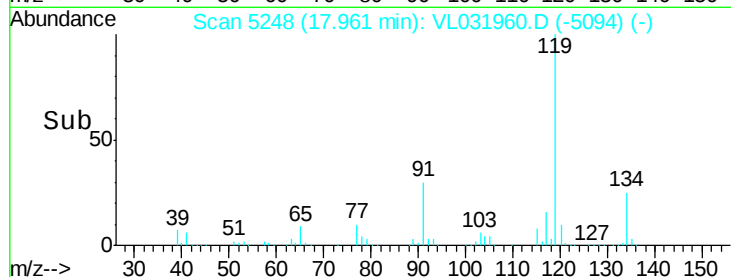
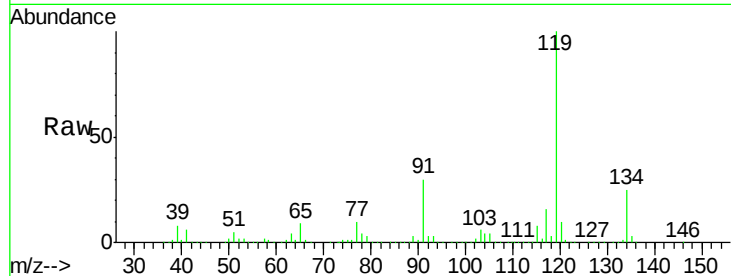




#69
 p-Isopropyltoluene
 Concen: 8.347 ppbv
 RT: 17.96 min Scan# 5248
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

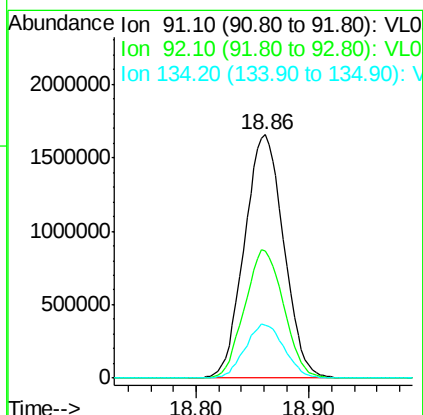
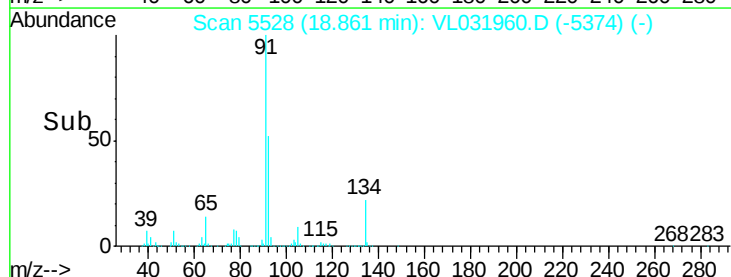
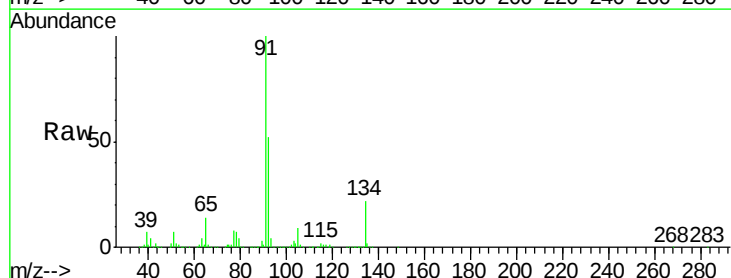
Instrument :
 MSVOA_L
 ClientSampleId :

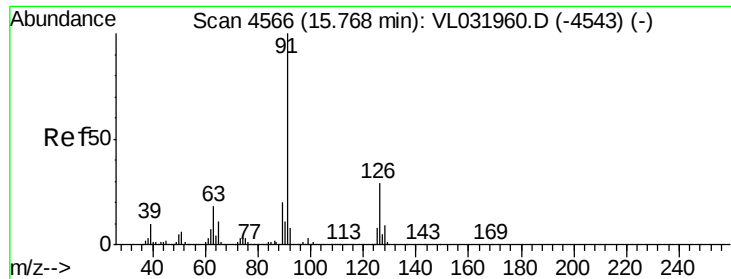
Tot Ion:119 Resp: 3921410
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.0 30.0
 91 29.7 24.9 37.3



#70
 n-Butylbenzene
 Concen: 8.183 ppbv
 RT: 18.86 min Scan# 5528
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Tgt Ion: 91 Resp: 4002929
 Ion Ratio Lower Upper
 91 100
 92 52.3 42.2 63.4
 134 22.0 17.4 26.0

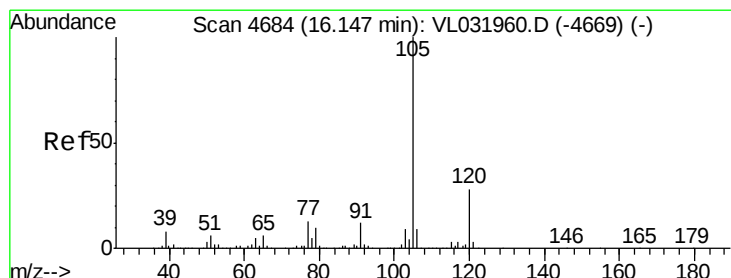
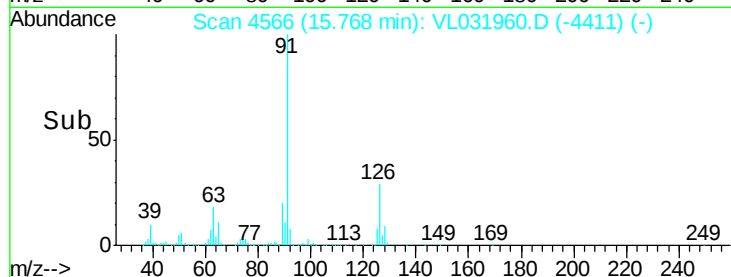
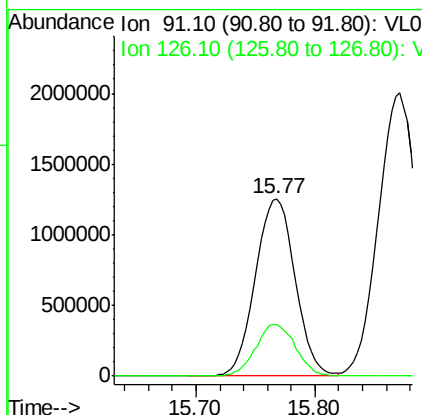
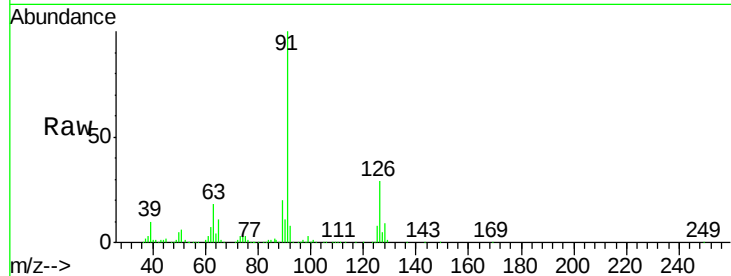




#71
2-Chlorotoluene
Concen: 8.205 ppbv
RT: 15.77 min Scan# 4566
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

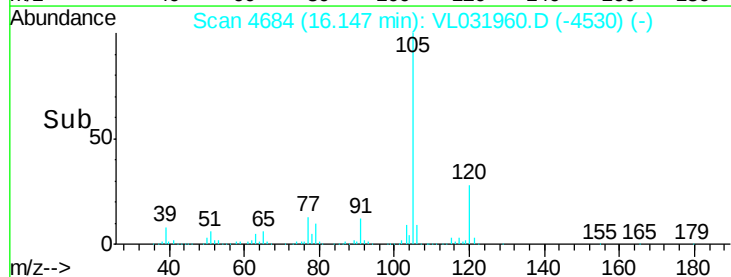
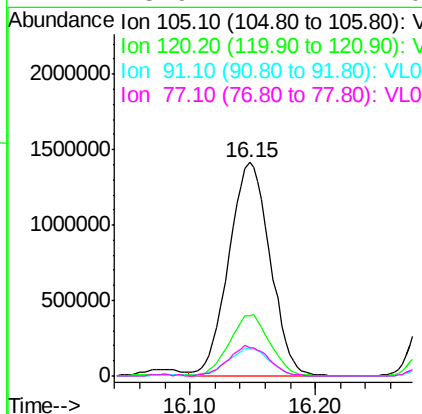
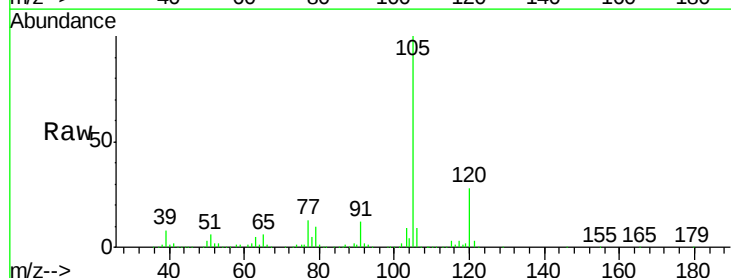
Instrument :
MSVOA_L
ClientSampleId :

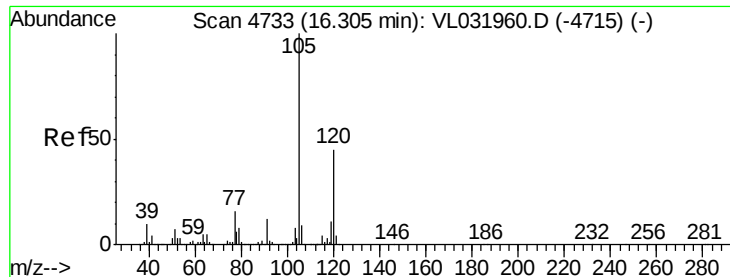
Tot Ion: 91 Resp: 2901540
Ion Ratio Lower Upper
91 100
126 29.5 11.6 46.2



#72
4-Ethyltoluene
Concen: 8.259 ppbv
RT: 16.15 min Scan# 4684
Delta R.T. -0.00 min
Lab File: VL031960.D
Acq: 3 May 2018 11:24

Tgt Ion:105 Resp: 3214010
Ion Ratio Lower Upper
105 100
120 28.2 22.7 34.1
91 13.1 10.6 16.0
77 13.9 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 8.178 ppbv

RT: 16.30 min Scan# 4733

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

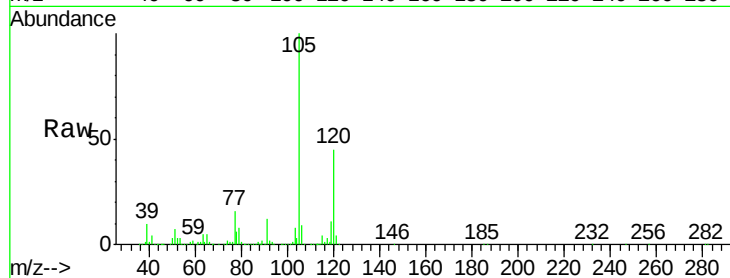
ClientSampleId :

Tot Ion:105 Resp: 2913285

Ion Ratio Lower Upper

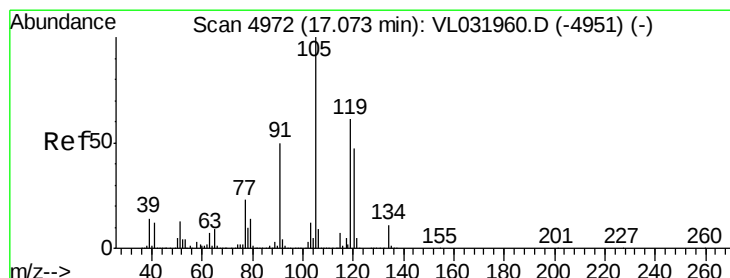
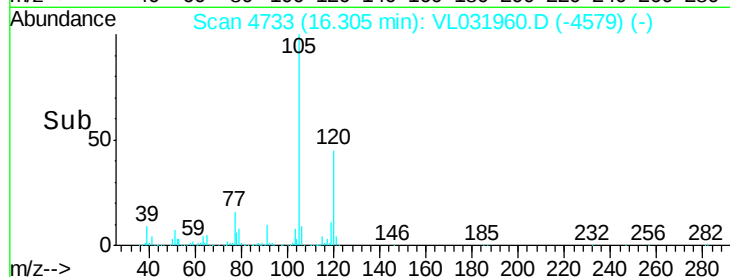
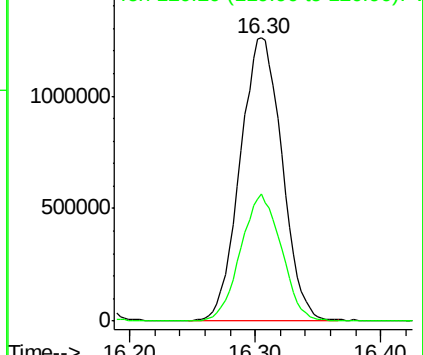
105 100

120 45.0 35.3 52.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.622 ppbv

RT: 17.07 min Scan# 4972

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Tgt Ion:105 Resp: 3030769

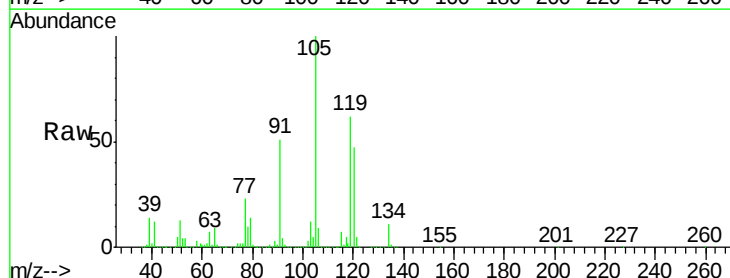
Ion Ratio Lower Upper

105 100

120 47.2 37.0 55.4

91 50.6 43.0 64.4

77 22.7 18.7 28.1

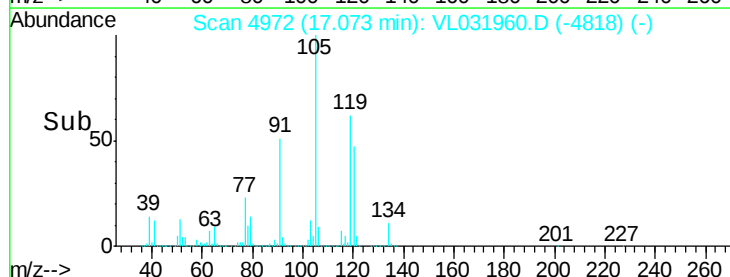
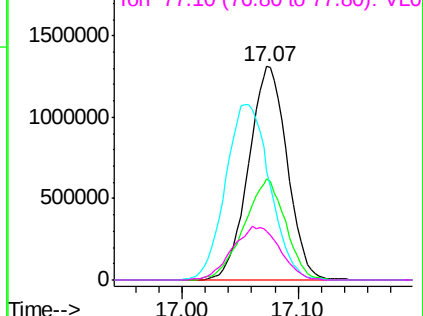


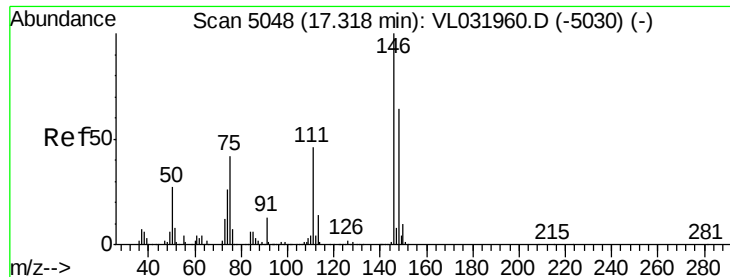
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 7.607 ppbv

RT: 17.32 min Scan# 5048

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

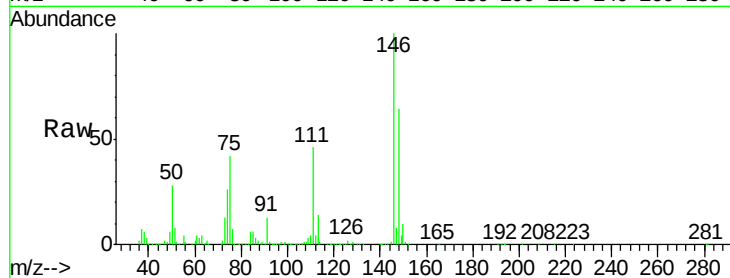
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:146 Resp: 1855055

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.8	71.4
148	64.5	32.0	96.2

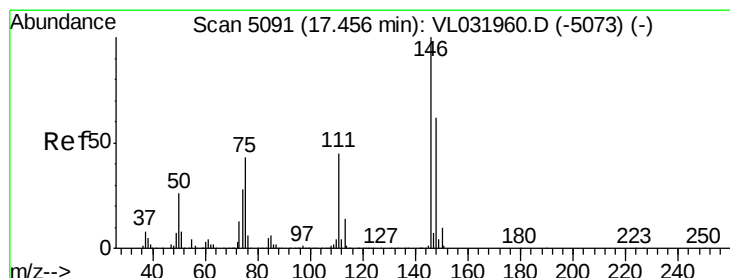
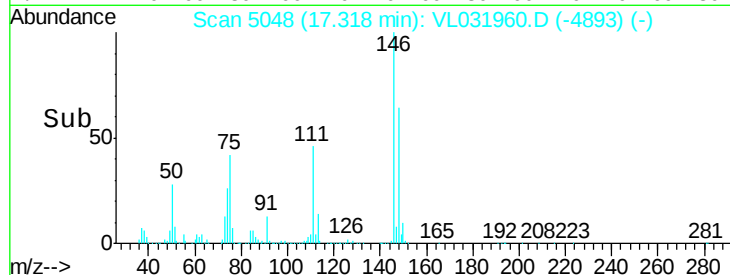
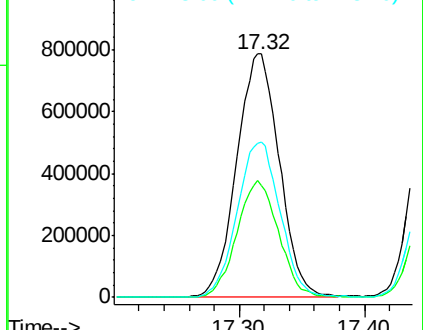


Abundance

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: 7.976 ppbv

RT: 17.46 min Scan# 5091

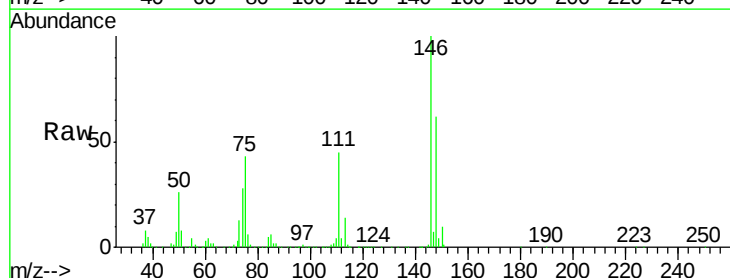
Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Tgt Ion:146 Resp: 1887036

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.9	68.7
148	64.8	32.0	96.0

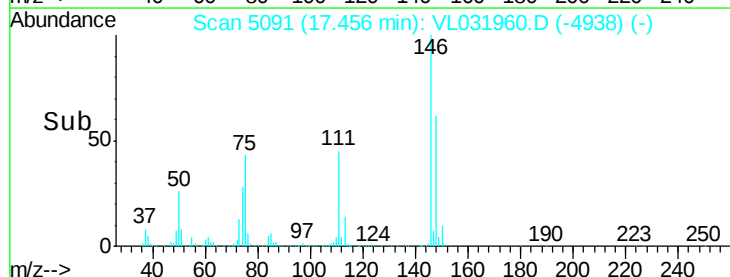
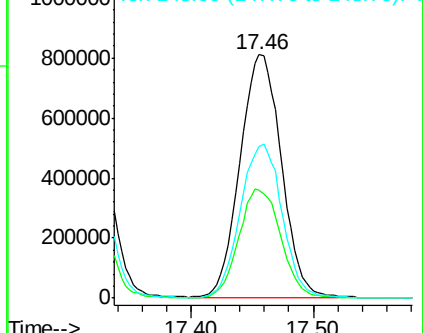


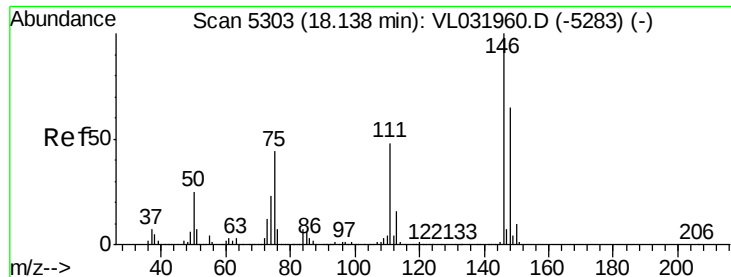
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.766 ppbv

RT: 18.14 min Scan# 5303

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampled :

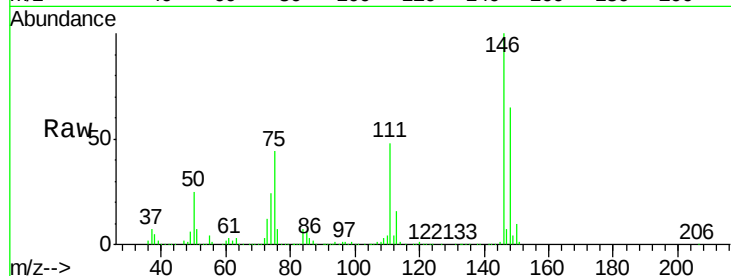
Tot Ion:146 Resp: 1864848

Ion Ratio Lower Upper

146 100

111 48.4 24.3 72.8

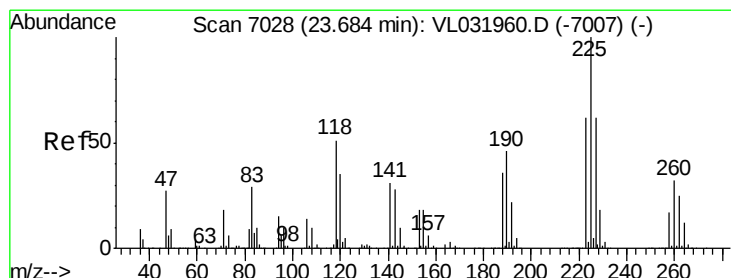
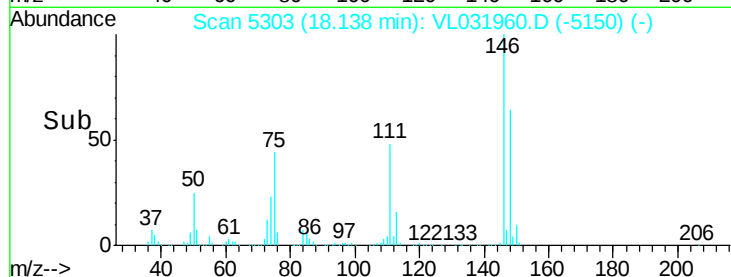
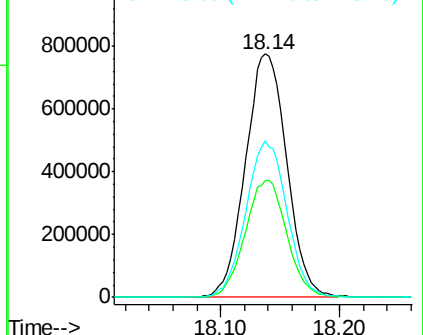
148 64.1 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 11.774 ppbv

RT: 23.68 min Scan# 7028

Delta R.T. -0.00 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

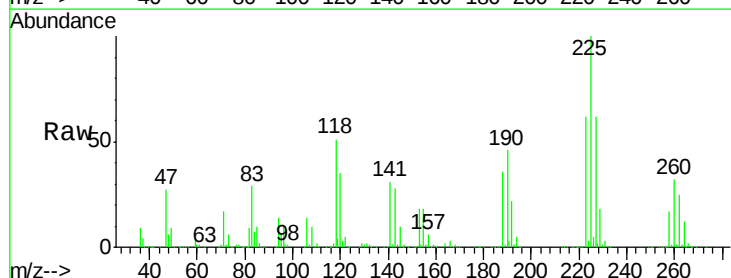
Tgt Ion:225 Resp: 1085738

Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

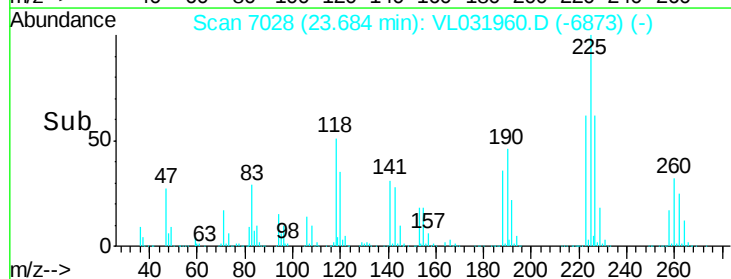
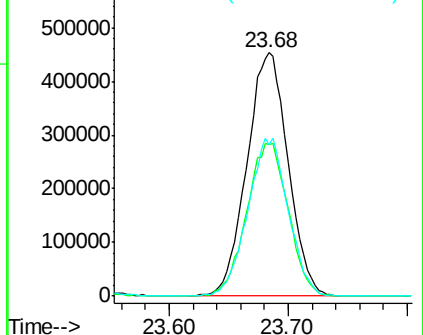
227 63.6 52.2 78.4

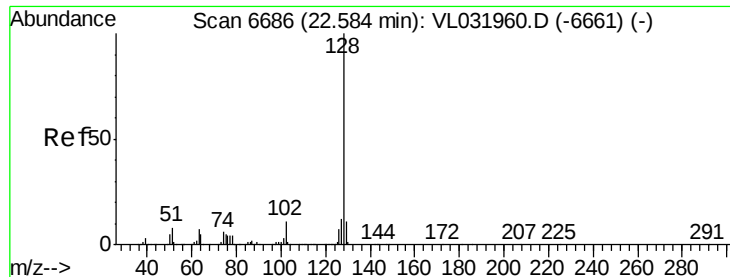


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.486 ppbv

RT: 22.58 min Scan# 6686

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

Instrument :

MSVOA_L

ClientSampled :

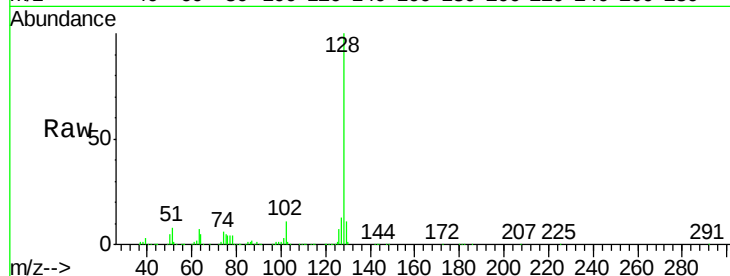
Tot Ion:128 Resp: 2347093

Ion Ratio Lower Upper

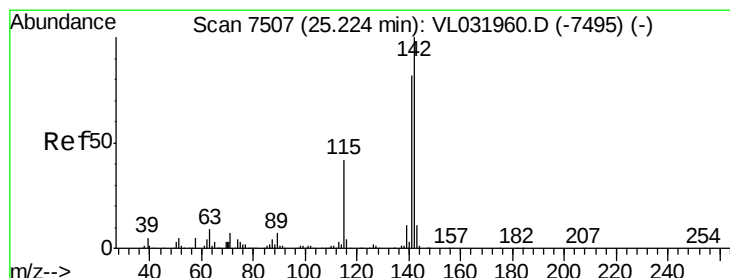
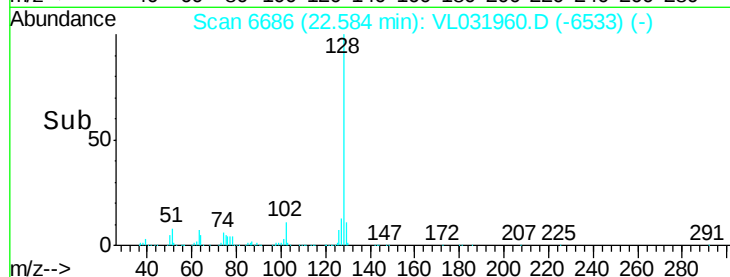
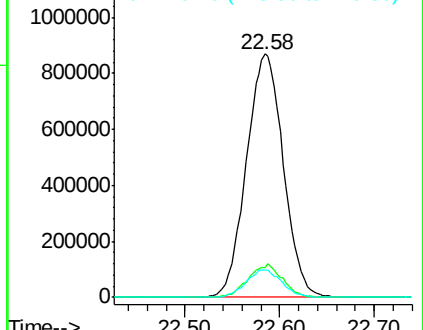
128 100

127 12.5 10.2 15.4

129 11.2 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 19.595 ppbv

RT: 25.22 min Scan# 7507

Delta R.T. -0.01 min

Lab File: VL031960.D

Acq: 3 May 2018 11:24

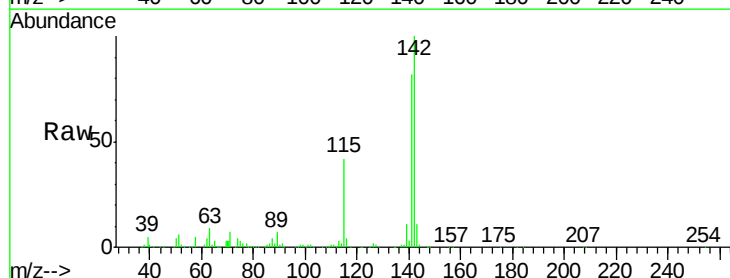
Tgt Ion:142 Resp: 856165

Ion Ratio Lower Upper

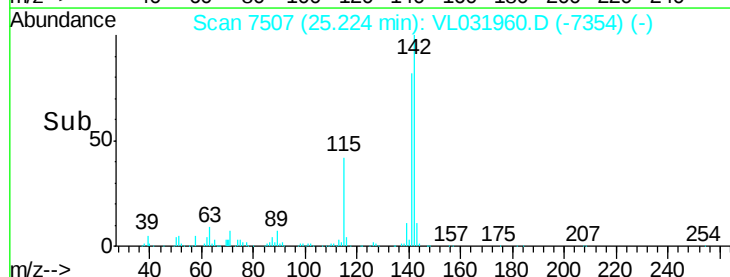
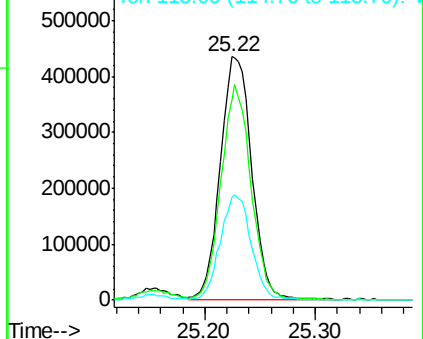
142 100

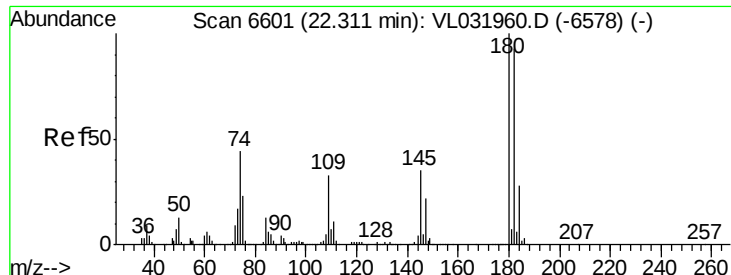
141 84.9 67.0 100.4

115 42.3 35.3 52.9



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: 9.821 ppbv
 RT: 22.31 min Scan# 6601
 Delta R.T. -0.00 min
 Lab File: VL031960.D
 Acq: 3 May 2018 11:24

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1219595
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.3 114.5
 184 30.0 24.2 36.2

