

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059831.D
 Acq On : 20 Aug 2018 14:52
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 21 02:32:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1081605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1580569	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1229263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	498029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	1164205	133.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.88%	
35) Dibromofluoromethane	5.50	113	1607809	136.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.78%	
50) Toluene-d8	8.67	98	4109722	128.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.54%	
62) 4-Bromofluorobenzene	11.91	95	1463733	117.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	235.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	1300359	139.960	ug/l	99
3) Chloromethane	1.46	50	1218217	158.122	ug/l	98
4) Vinyl Chloride	1.54	62	942119	150.892	ug/l	99
5) Bromomethane	1.76	94	76510	90.922	ug/l	89
6) Chloroethane	1.84	64	108573	69.492	ug/l	98
7) Trichlorofluoromethane	2.04	101	786924	120.663	ug/l	99
8) Diethyl Ether	2.31	74	195047	135.918	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	534386	130.849	ug/l	95
10) Methyl Iodide	2.65	142	689010	163.185	ug/l	93
11) Tert butyl alcohol	3.24	59	207672	637.820	ug/l #	91
12) 1,1-Dichloroethene	2.50	96	387871	121.436	ug/l	98
13) Acrolein	2.44	56	245543	800.239	ug/l	95
14) Allyl chloride	2.87	41	1164932	137.576	ug/l	99
15) Acrylonitrile	3.33	53	1015585	690.703	ug/l	97
16) Acetone	2.58	43	1063484	723.722	ug/l	100
17) Carbon Disulfide	2.72	76	1565599	146.419	ug/l	99
18) Methyl Acetate	2.90	43	428821	133.740	ug/l	99
19) Methyl tert-butyl Ether	3.37	73	2503051	133.628	ug/l	99
20) Methylene Chloride	3.02	84	469957	94.369	ug/l	98
21) trans-1,2-Dichloroethene	3.34	96	1079973	120.916	ug/l	94
22) Diisopropyl ether	4.03	45	5651476	129.674	ug/l	95
23) Vinyl Acetate	3.97	43	14744002	626.412	ug/l	100
24) 1,1-Dichloroethane	3.92	63	2627019	137.883	ug/l	100
25) 2-Butanone	4.79	43	3219202	729.559	ug/l	97
26) 2,2-Dichloropropane	4.74	77	1803614	119.319	ug/l	100
27) cis-1,2-Dichloroethene	4.75	96	1430775	124.497	ug/l	96
28) Bromochloromethane	5.10	49	1260341	129.051	ug/l	97
29) Tetrahydrofuran	5.14	42	1562218	705.889	ug/l	99
30) Chloroform	5.28	83	2613942	139.296	ug/l	100
31) Cyclohexane	5.54	56	2199924	126.350	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	2138271	134.985	ug/l	99
36) 1,1-Dichloropropene	5.70	75	1665453	122.490	ug/l	99
37) Ethyl Acetate	4.87	43	1388256	140.314	ug/l	98
38) Carbon Tetrachloride	5.68	117	1694468	125.340	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	1940646	134.270	ug/l	97
40) Benzene	5.96	78	4433850	126.312	ug/l	100
41) Methacrylonitrile	5.08	41	724812	142.268	ug/l	96
42) 1,2-Dichloroethane	6.08	62	1572184	139.468	ug/l	98
43) Isopropyl Acetate	7.58	43	1973294	145.370	ug/l	98
44) Trichloroethene	6.94	130	1446198	139.805	ug/l	96
45) 1,2-Dichloropropane	7.30	63	1419927	139.546	ug/l	100
46) Dibromomethane	7.41	93	911040	144.087	ug/l	98
47) Bromodichloromethane	7.70	83	1933698	137.820	ug/l	100
48) Methyl methacrylate	7.46	41	1058019	139.364	ug/l	95
49) 1,4-Dioxane	7.45	88	195315	3088.252	ug/l	94
51) 4-Methyl-2-Pentanone	8.56	43	6347201	679.861	ug/l	98
52) Toluene	8.76	92	2763035	124.070	ug/l	100
53) t-1,3-Dichloropropene	9.14	75	1790562	140.133	ug/l	98
54) cis-1,3-Dichloropropene	8.32	75	2072827	135.133	ug/l	98
55) 1,1,2-Trichloroethane	9.42	97	1059241	133.625	ug/l	98
56) Ethyl methacrylate	9.27	69	1297511	142.426	ug/l	98
57) 1,3-Dichloropropane	9.63	76	1609925	139.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	2027182	433.262	ug/l	98
59) 2-Hexanone	9.75	43	4716293	685.864	ug/l	96
60) Dibromochloromethane	9.92	129	1457803	143.077	ug/l	100
61) 1,2-Dibromoethane	10.06	107	1217009	144.350	ug/l	99
64) Tetrachloroethene	9.48	164	1231591	136.424	ug/l	97
65) Chlorobenzene	10.69	112	3116148	130.294	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	945057	114.430	ug/l	98
67) Ethyl Benzene	10.84	91	3993314	101.806	ug/l	98
68) m/p-Xylenes	10.99	106	2881179	200.528	ug/l	99
69) o-Xylene	11.38	106	1586271	112.998	ug/l	97
70) Styrene	11.41	104	2813672	115.651	ug/l	98
71) Bromoform	11.57	173	1081426	149.808	ug/l #	97
73) Isopropylbenzene	11.75	105	4348147	127.998	ug/l	99
74) N-amyl acetate	11.62	43	2253233	150.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.06	83	1245382	159.454	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	1189007	146.099	ug/l	99
77) Bromobenzene	12.02	156	1263330	133.954	ug/l	96
78) n-propylbenzene	12.13	91	5004757	117.261	ug/l	97
79) 2-Chlorotoluene	12.19	91	3121800	128.096	ug/l	97
80) 1,3,5-Trimethylbenzene	12.29	105	2527165	99.184	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	409392	162.628	ug/l	95
82) 4-Chlorotoluene	12.30	91	2440019	96.303	ug/l	99
83) tert-Butylbenzene	12.55	119	3598785	120.186	ug/l	94
84) 1,2,4-Trimethylbenzene	12.61	105	3290818	116.689	ug/l	98
85) sec-Butylbenzene	12.74	105	4171231	116.105	ug/l	99
86) p-Isopropyltoluene	12.86	119	3363419	119.267	ug/l	98
87) 1,3-Dichlorobenzene	12.82	146	2096271	131.823	ug/l	97
88) 1,4-Dichlorobenzene	12.90	146	1911915	119.496	ug/l	93
89) n-Butylbenzene	13.18	91	2664311	94.178	ug/l	99
90) Hexachloroethane	13.37	117	1070653	134.403	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	1258297	97.185	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.75	75	191557	165.554	ug/l	78

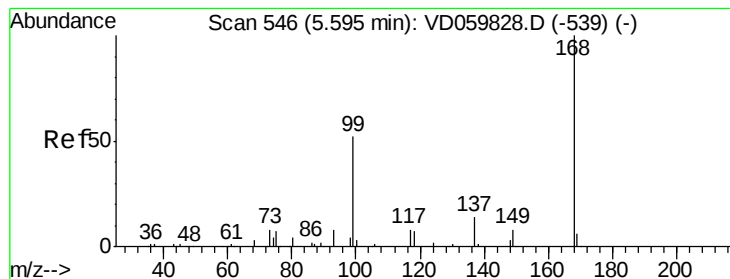
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	1464912	126.782	ug/l	99
94) Hexachlorobutadiene	14.41	225	1045807	136.214	ug/l	99
95) Naphthalene	14.50	128	2742102	148.752	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	1365108	136.092	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

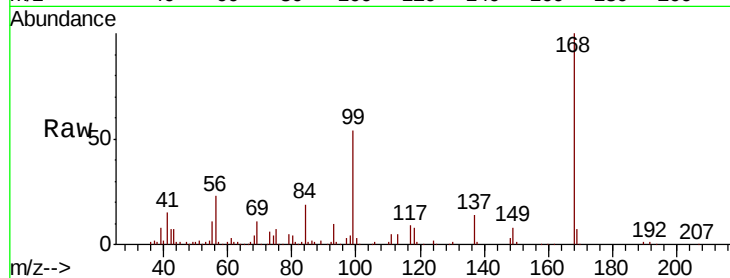
VSTDIC150

Tgt Ion:168 Resp: 1081605

Ion Ratio Lower Upper

168 100

99 54.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

500000

400000

300000

200000

100000

0

5.40

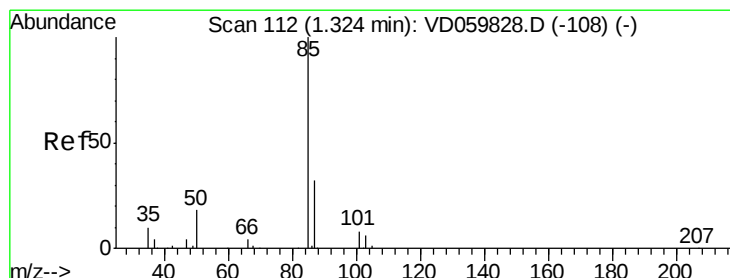
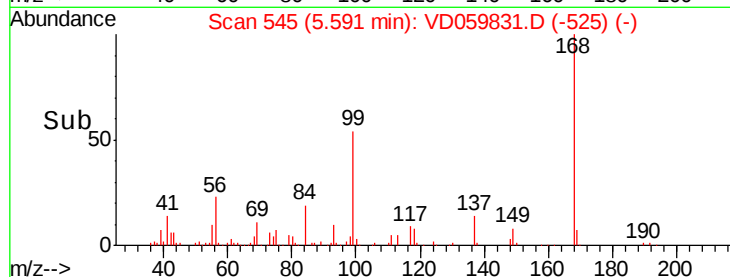
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 139.960 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059831.D

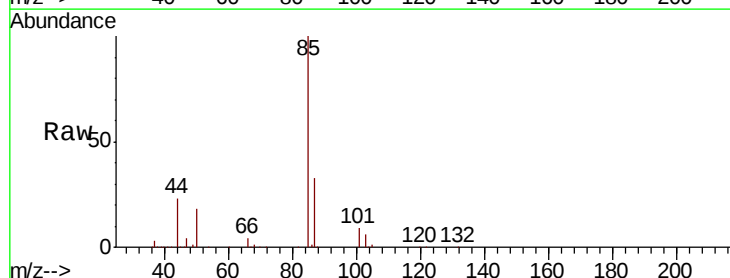
Acq: 20 Aug 2018 14:52

Tgt Ion: 85 Resp: 1300359

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

600000

400000

200000

0

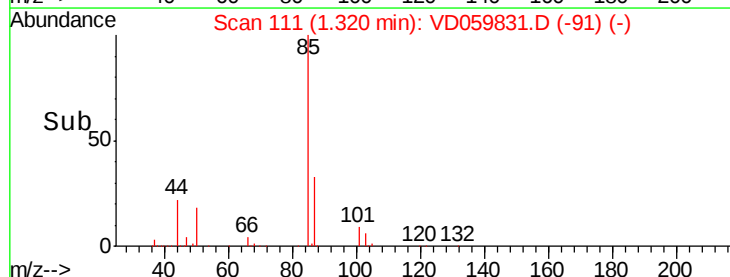
1.20

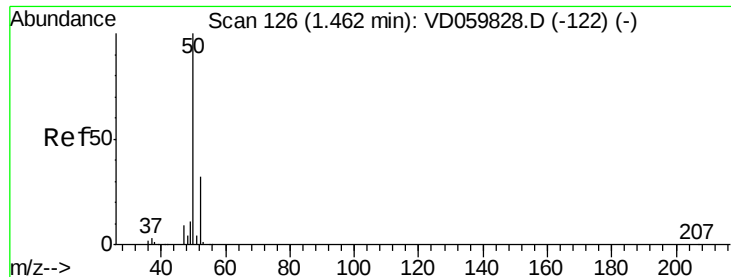
1.30

1.40

1.50

Time-->





#3

Chloromethane

Concen: 158.122 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

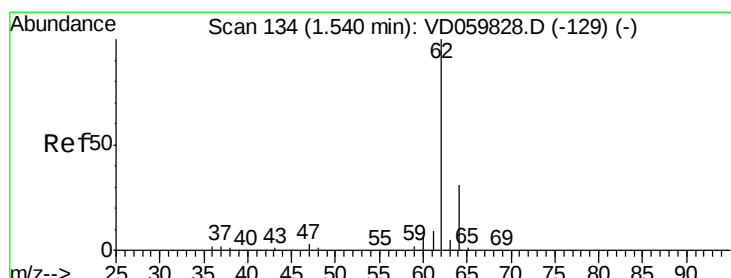
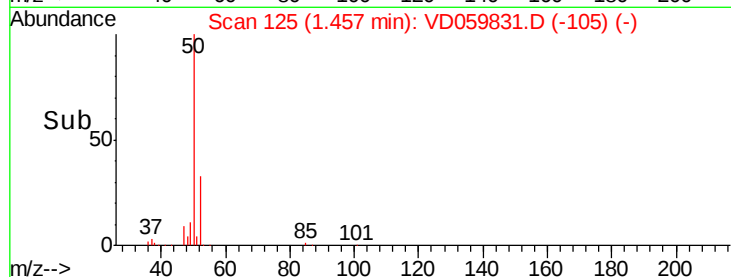
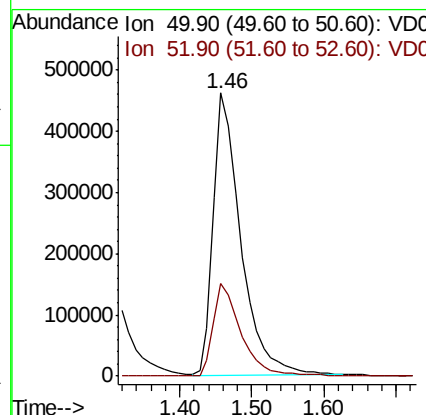
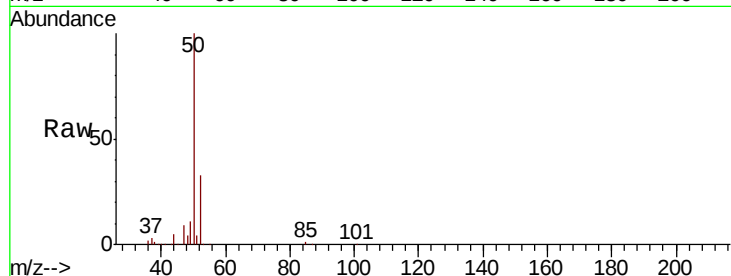
VSTDIC150

Tgt Ion: 50 Resp: 1218217

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 150.892 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059831.D

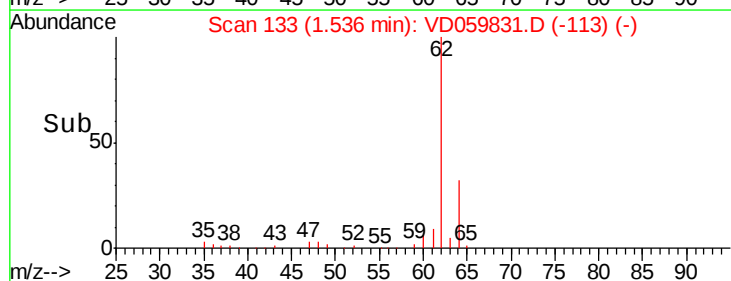
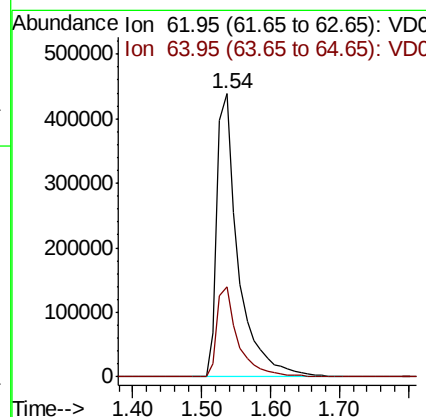
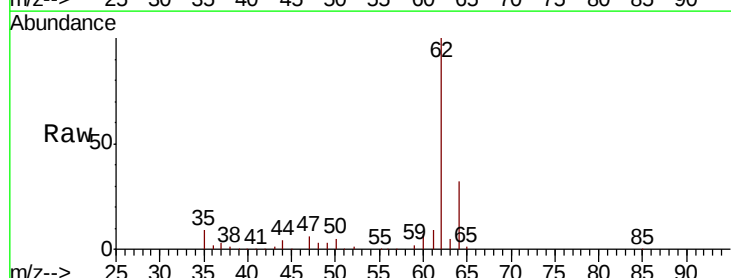
Acq: 20 Aug 2018 14:52

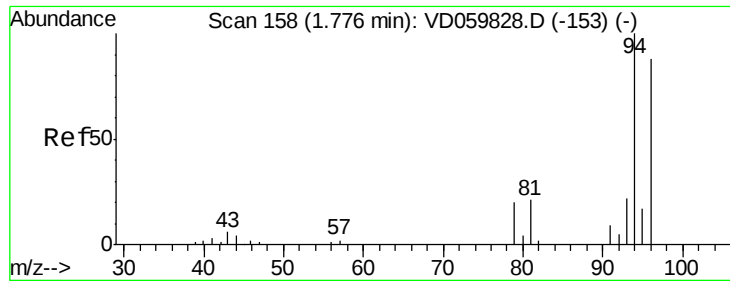
Tgt Ion: 62 Resp: 942119

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 90.922 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

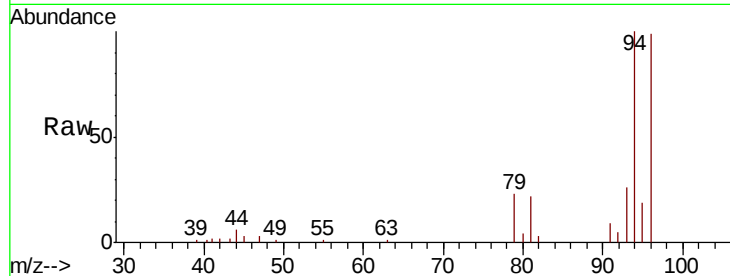
VSTDIC150

Tgt Ion: 94 Resp: 76510

Ion Ratio Lower Upper

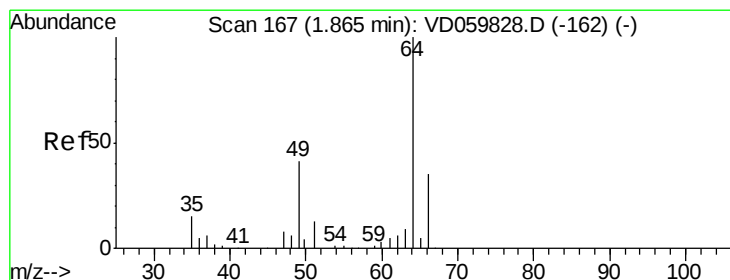
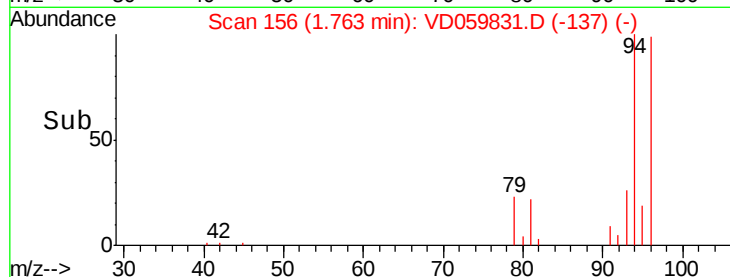
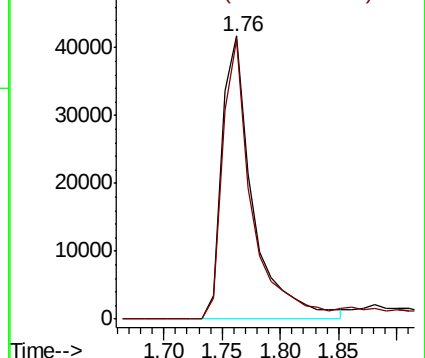
94 100

96 98.5 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 69.492 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059831.D

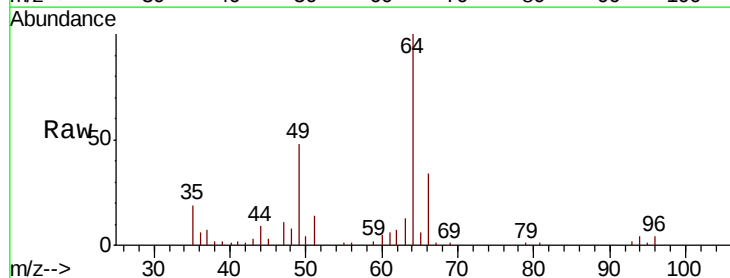
Acq: 20 Aug 2018 14:52

Tgt Ion: 64 Resp: 108573

Ion Ratio Lower Upper

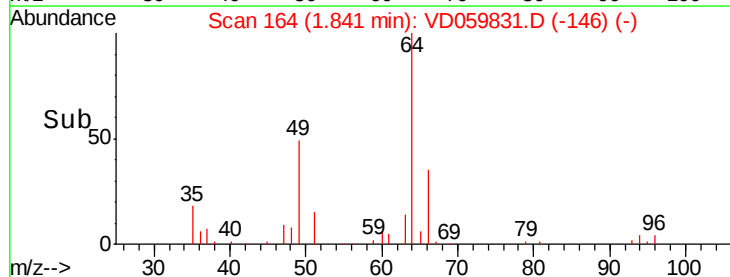
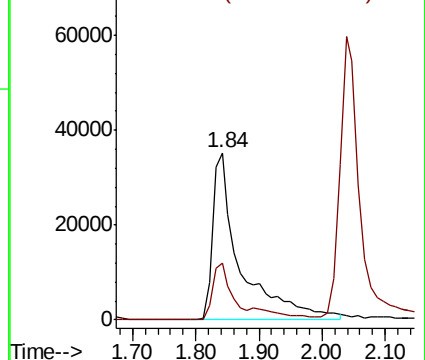
64 100

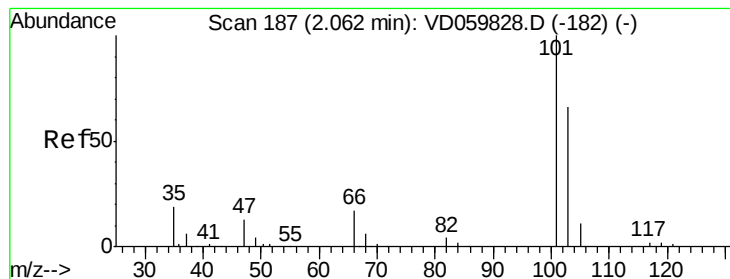
66 34.0 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



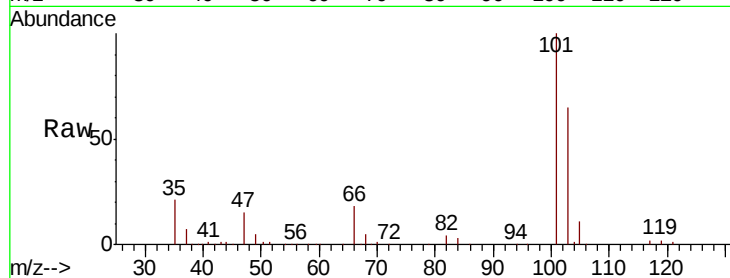


#7

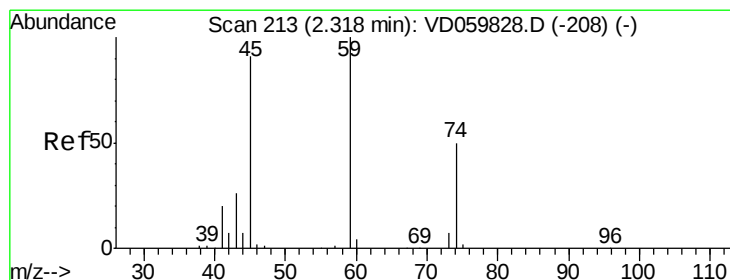
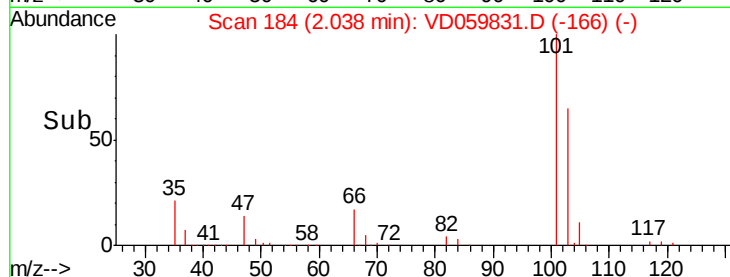
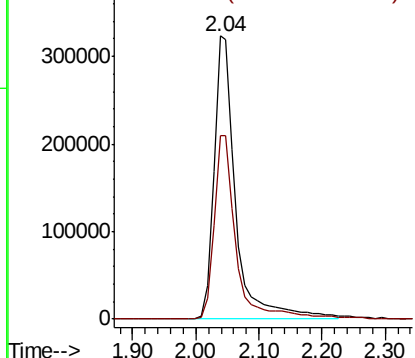
Trichlorofluoromethane
Concen: 120.663 ug/l
RT: 2.04 min Scan# 184
Delta R.T. -0.02 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 786924
Ion Ratio Lower Upper
101 100
103 65.0 53.0 79.4



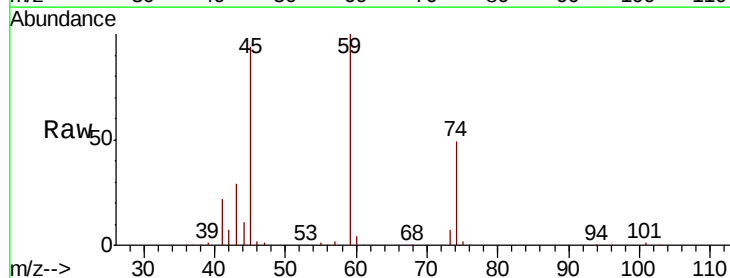
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



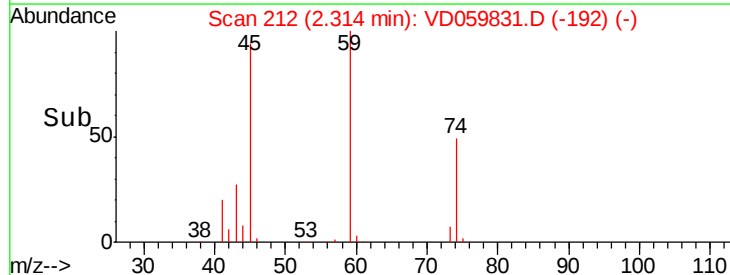
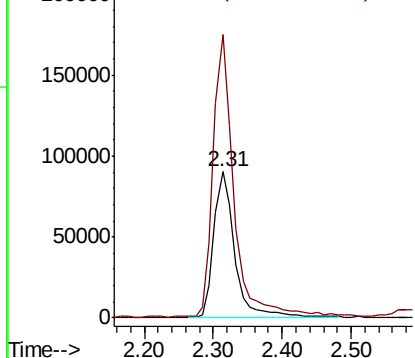
#8

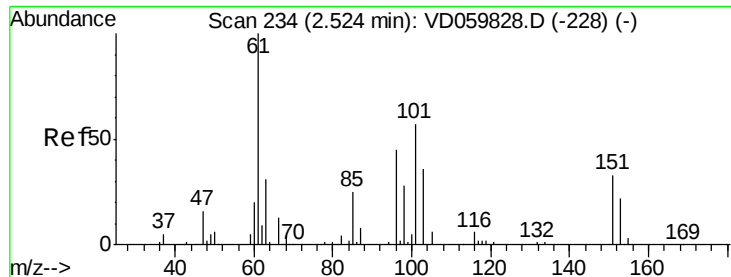
Diethyl Ether
Concen: 135.918 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 74 Resp: 195047
Ion Ratio Lower Upper
74 100
45 193.4 90.6 271.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.849 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

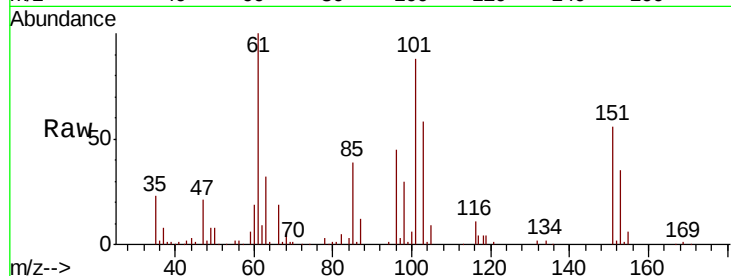
Tgt Ion:101 Resp: 534386

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

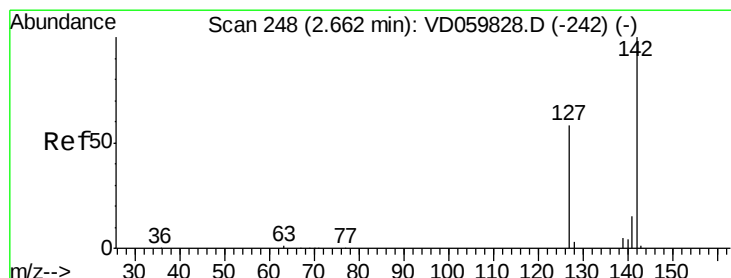
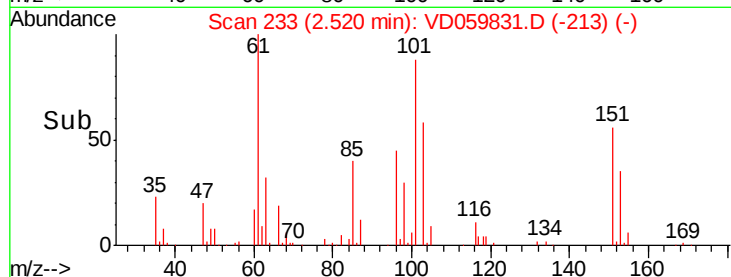
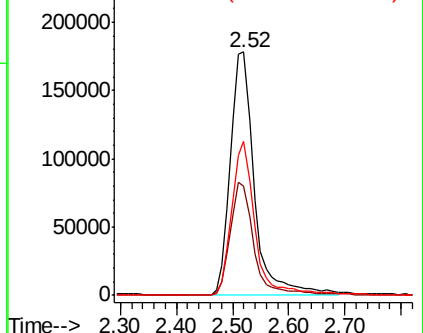
151 63.2 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 163.185 ug/l

RT: 2.65 min Scan# 246

Delta R.T. -0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

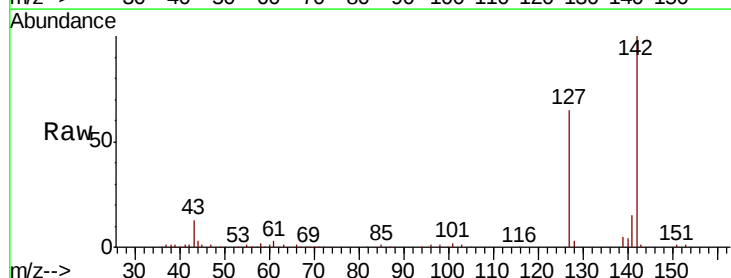
Tgt Ion:142 Resp: 689010

Ion Ratio Lower Upper

142 100

127 64.6 46.6 69.8

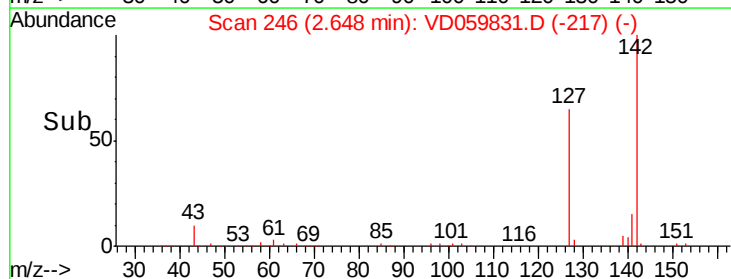
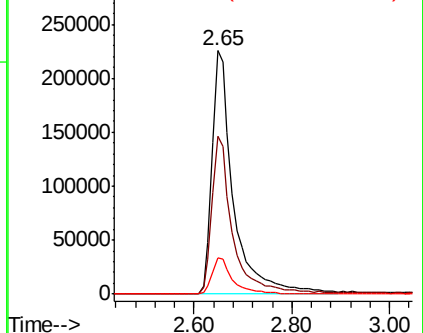
141 14.8 11.7 17.5

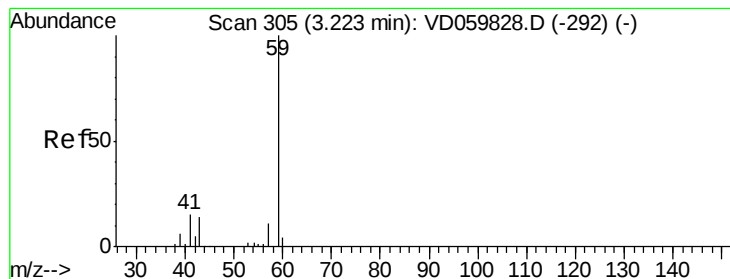


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



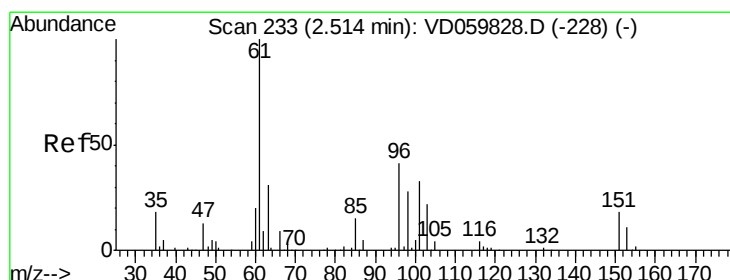
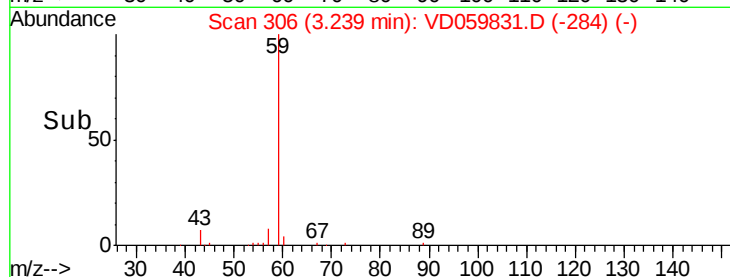
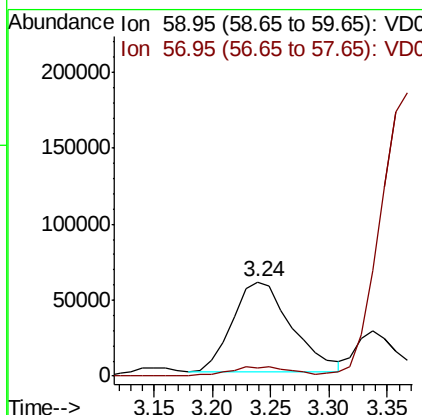
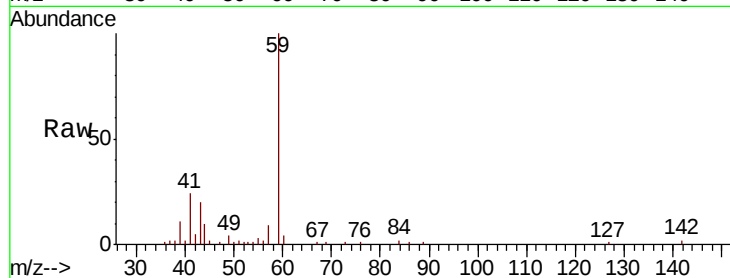


#11

Tert butyl alcohol
Concen: 637.820 ug/l
RT: 3.24 min Scan# 306
Delta R.T. 0.02 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

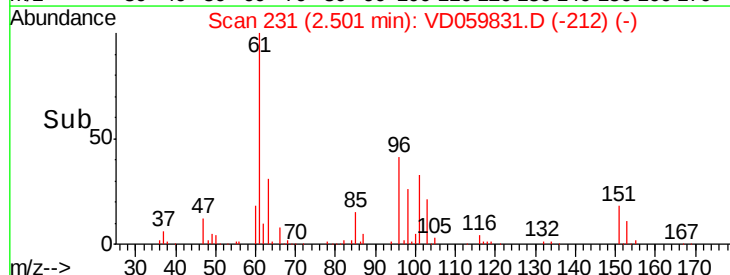
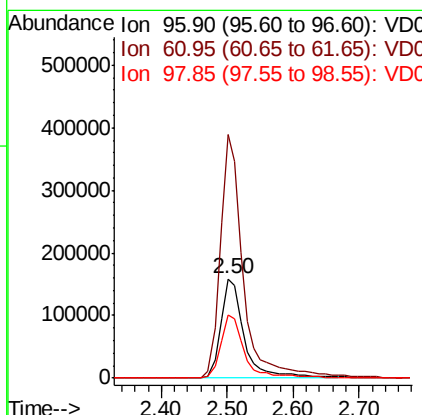
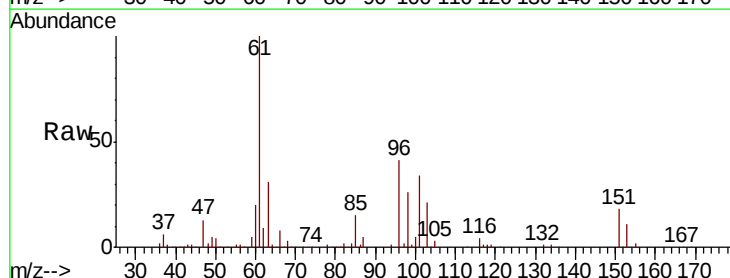
Tgt Ion: 59 Resp: 207672
Ion Ratio Lower Upper
59 100
57 9.2 10.3 15.5#

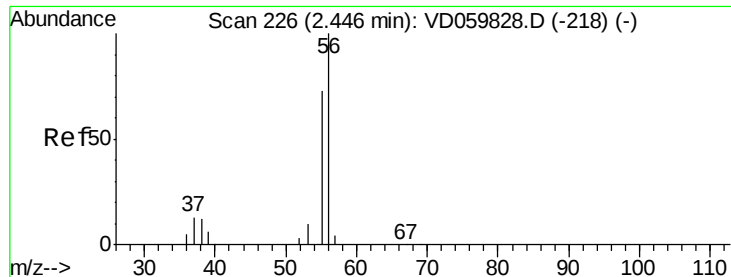


#12

1,1-Dichloroethene
Concen: 121.436 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 96 Resp: 387871
Ion Ratio Lower Upper
96 100
61 245.6 194.0 291.0
98 63.1 53.4 80.0

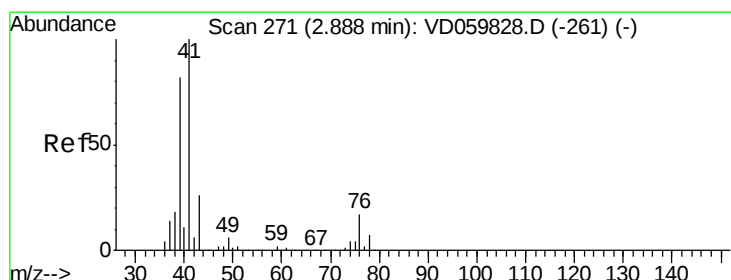
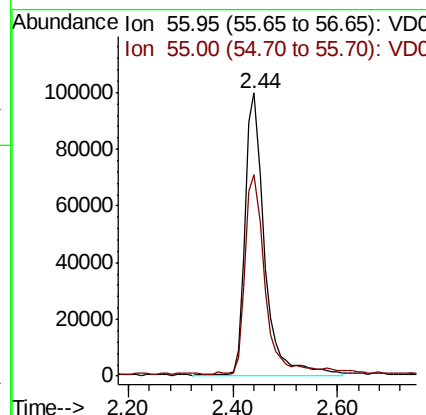
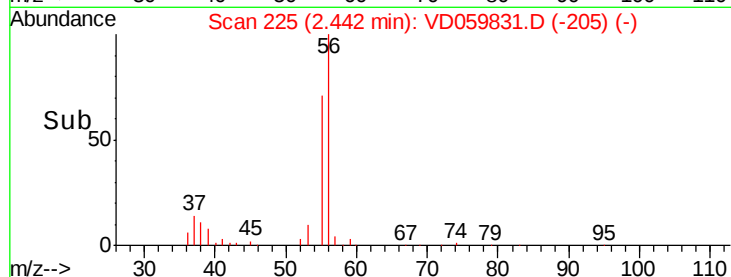
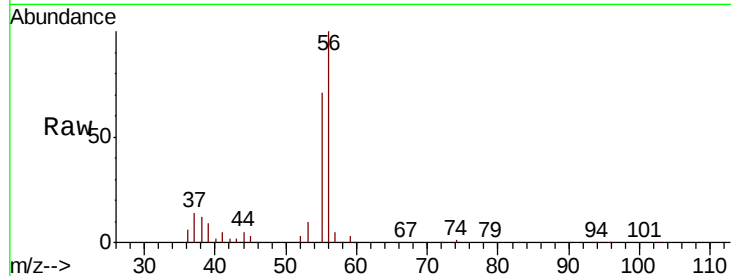




#13
Acrolein
Concen: 800.239 ug/l
RT: 2.44 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

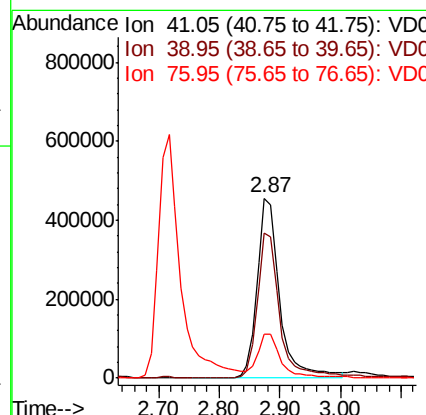
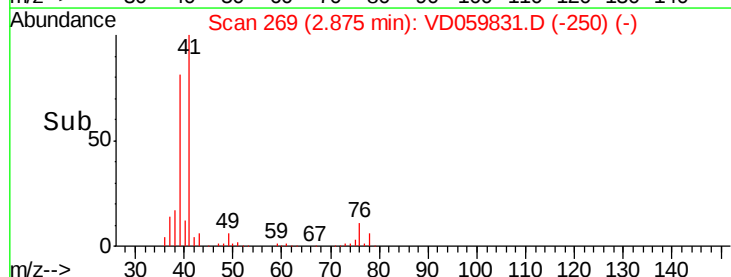
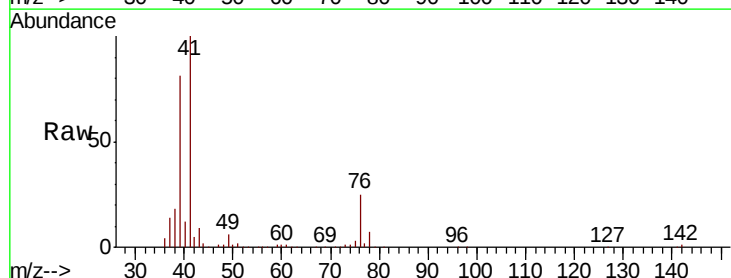
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

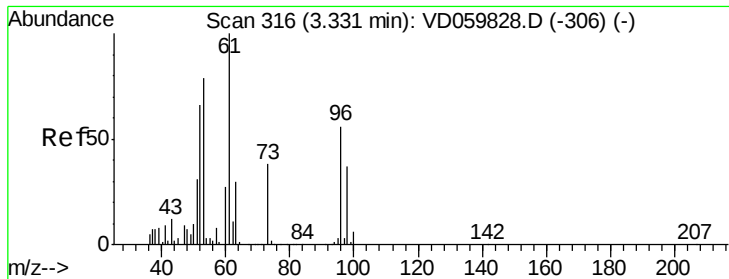
Tgt Ion: 56 Resp: 245543
Ion Ratio Lower Upper
56 100
55 71.4 60.4 90.6



#14
Allyl chloride
Concen: 137.576 ug/l
RT: 2.87 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 41 Resp: 1164932
Ion Ratio Lower Upper
41 100
39 80.8 65.9 98.9
76 24.7 19.9 29.9

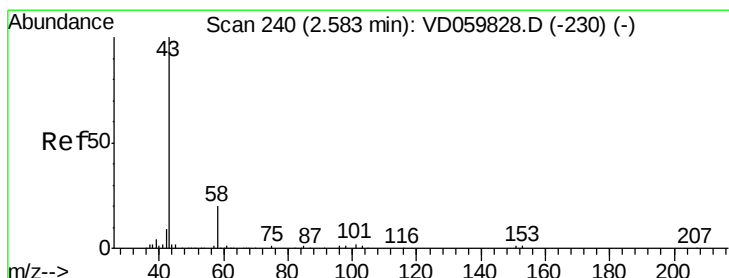
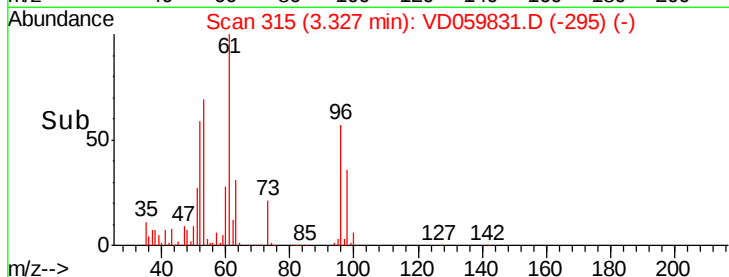
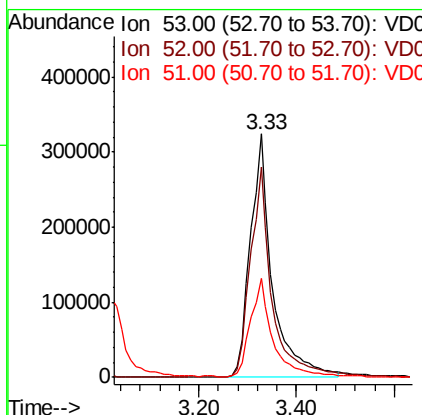
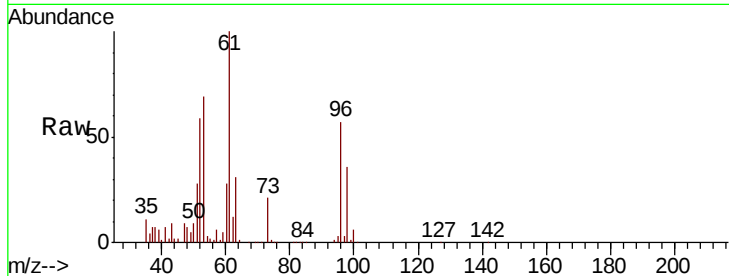




#15
 Acrylonitrile
 Concen: 690.703 ug/l
 RT: 3.33 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

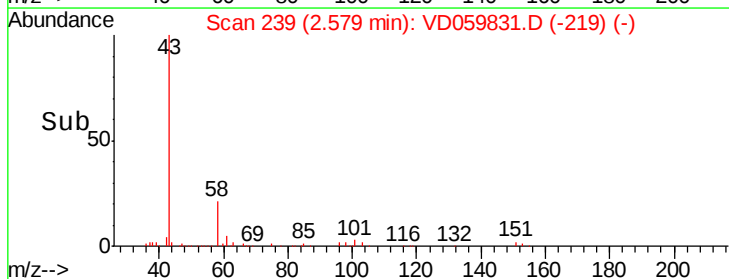
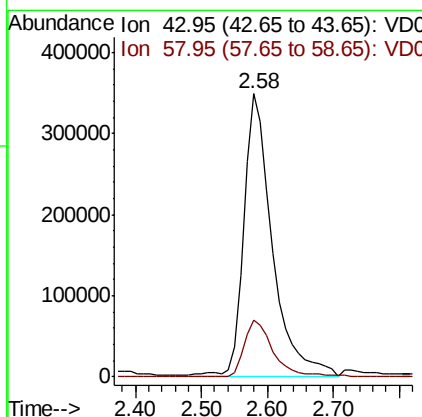
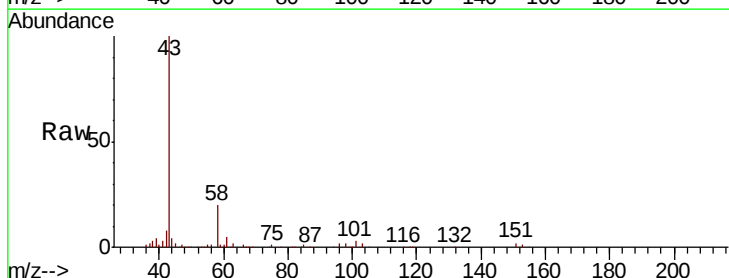
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

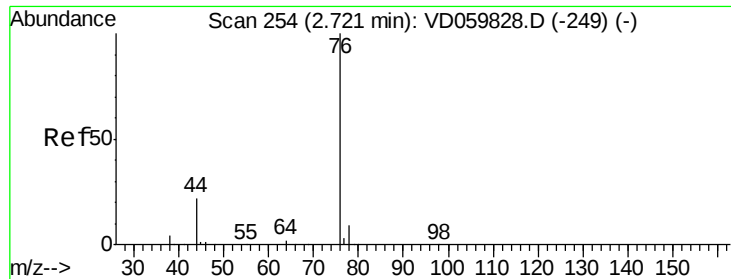
Tgt Ion: 53 Resp: 1015585
 Ion Ratio Lower Upper
 53 100
 52 86.2 66.8 100.2
 51 40.4 31.6 47.4



#16
 Acetone
 Concen: 723.722 ug/l
 RT: 2.58 min Scan# 239
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 43 Resp: 1063484
 Ion Ratio Lower Upper
 43 100
 58 20.1 16.2 24.2

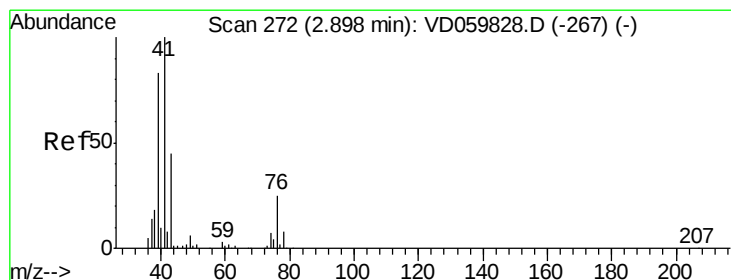
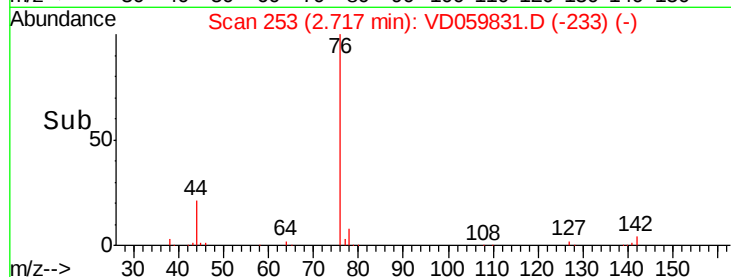
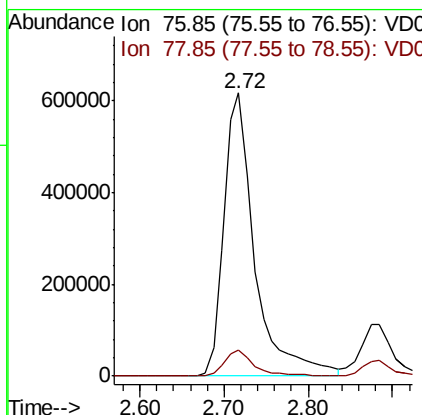
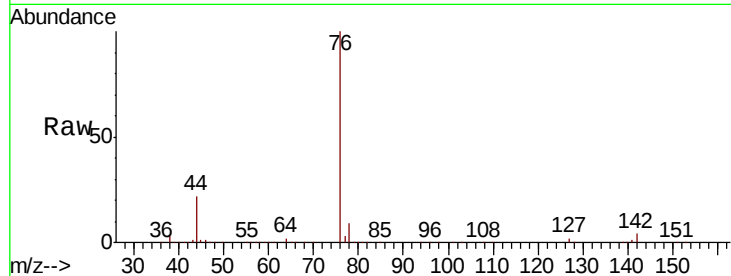




#17
Carbon Disulfide
Concen: 146.419 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

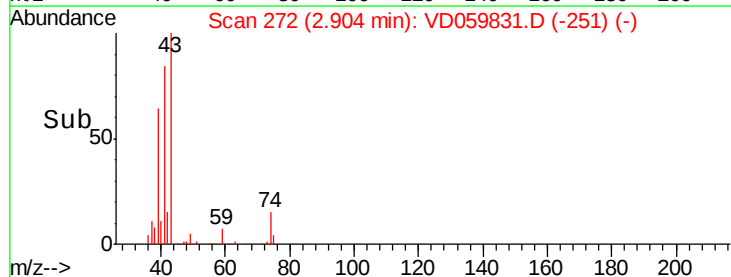
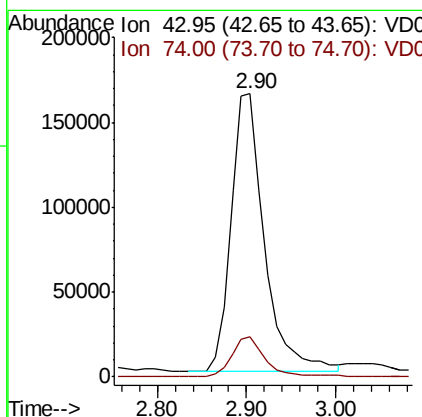
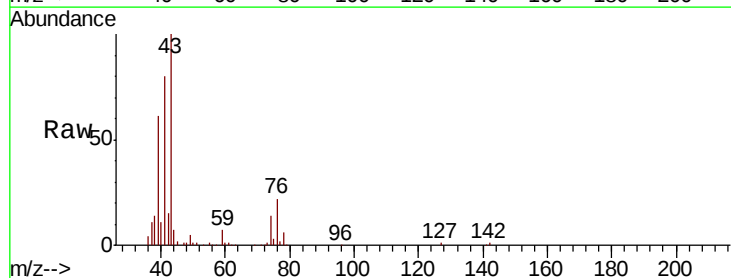
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

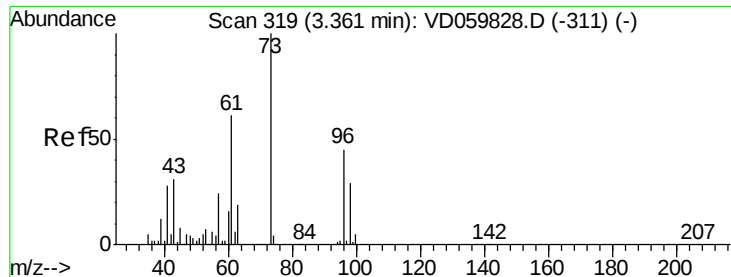
Tgt Ion: 76 Resp: 1565599
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 133.740 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 43 Resp: 428821
Ion Ratio Lower Upper
43 100
74 14.0 11.4 17.0

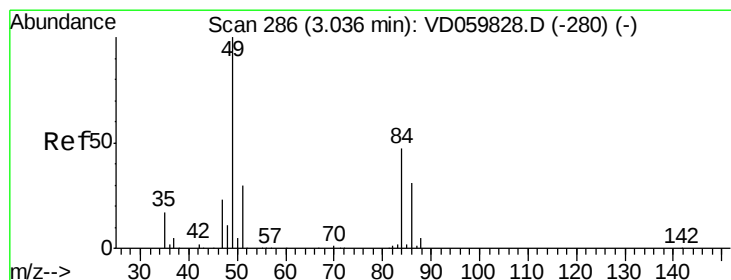
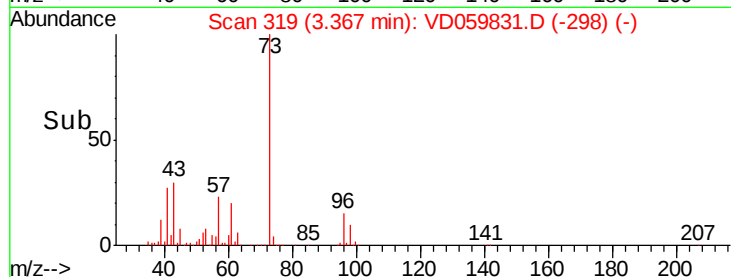
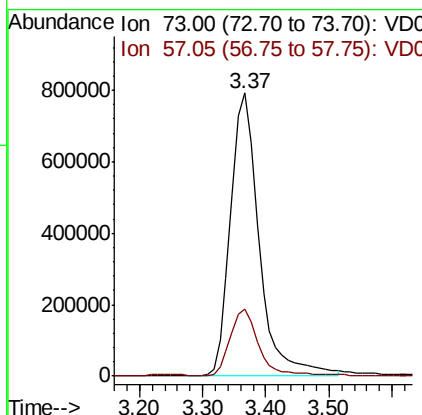
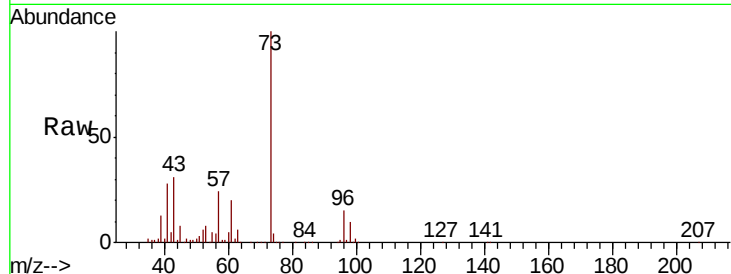




#19
Methyl tert-butyl Ether
Concen: 133.628 ug/l
RT: 3.37 min Scan# 319
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

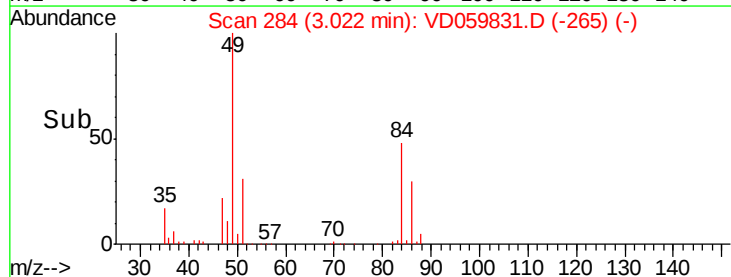
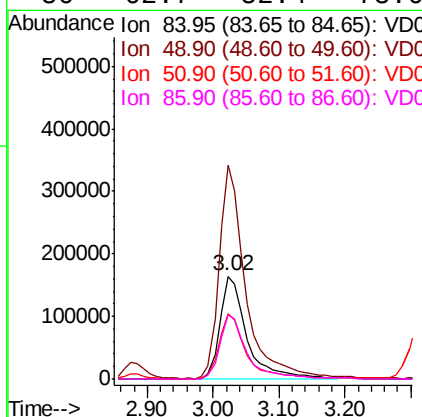
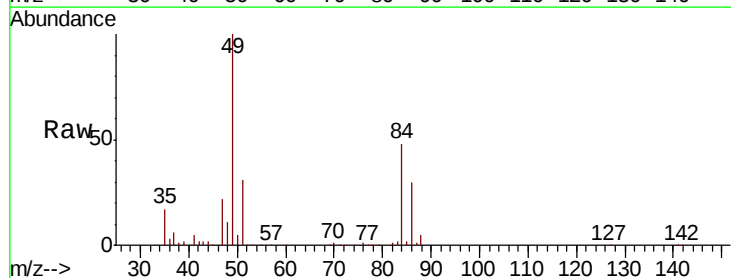
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

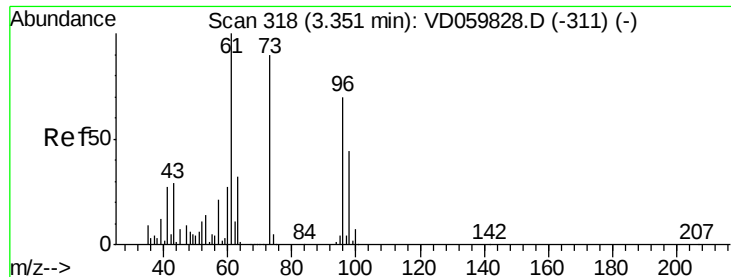
Tgt Ion: 73 Resp: 2503051
Ion Ratio Lower Upper
73 100
57 23.5 19.4 29.0



#20
Methylene Chloride
Concen: 94.369 ug/l
RT: 3.02 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 84 Resp: 469957
Ion Ratio Lower Upper
84 100
49 208.6 170.4 255.6
51 64.3 51.4 77.0
86 62.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 120.916 ug/l

RT: 3.34 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

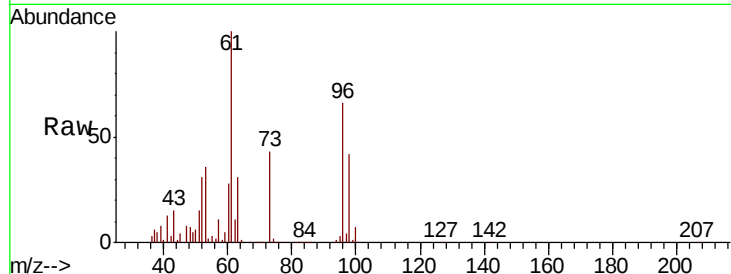
Tgt Ion: 96 Resp: 1079973

Ion Ratio Lower Upper

96 100

61 151.9 114.1 171.1

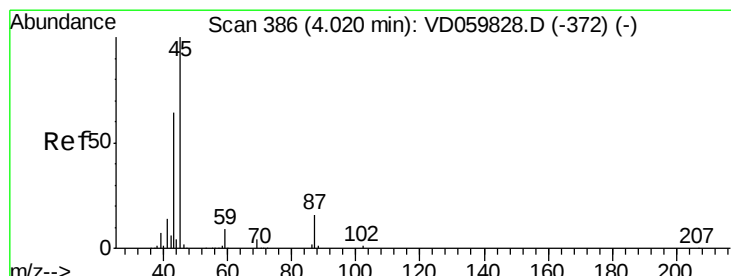
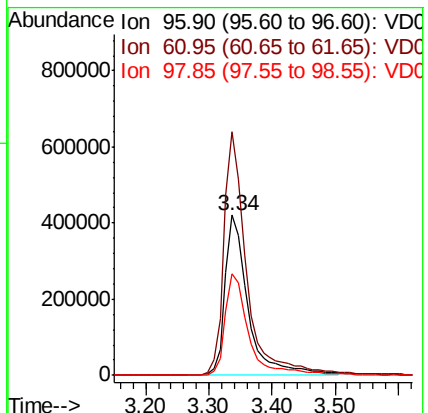
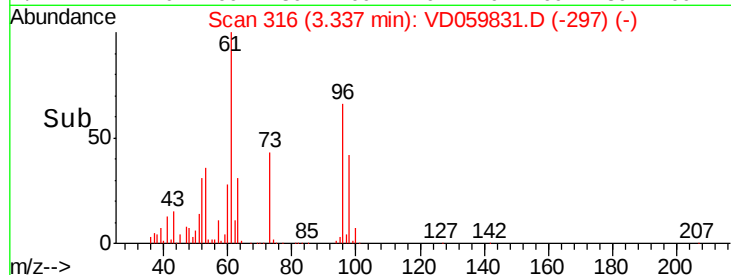
98 63.6 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 129.674 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Tgt Ion: 45 Resp: 5651476

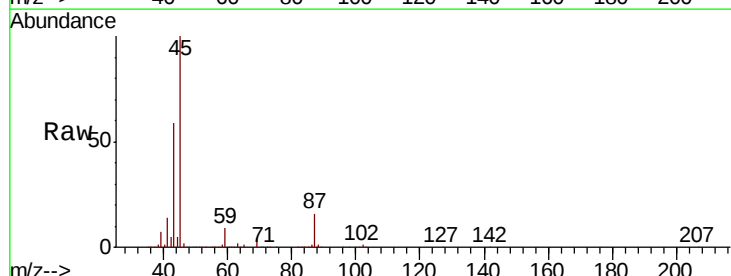
Ion Ratio Lower Upper

45 100

43 58.5 51.1 76.7

87 16.5 12.5 18.7

59 9.2 7.1 10.7

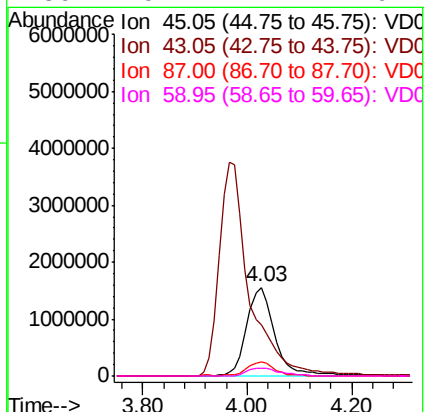
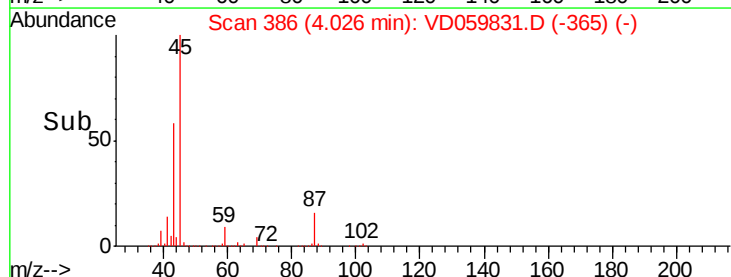


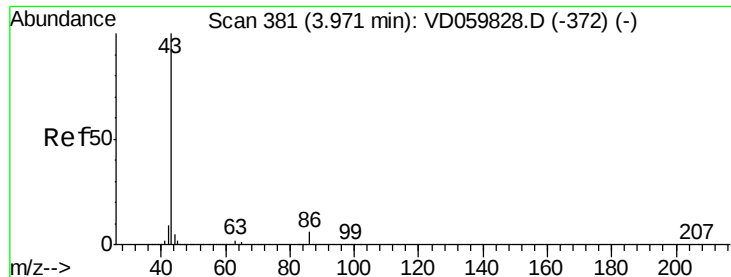
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 626.412 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

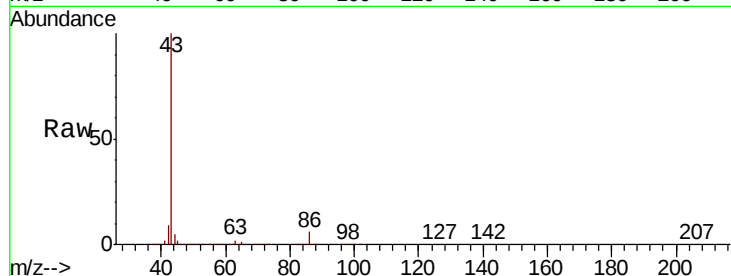
VSTDIC150

Tgt Ion: 43 Resp:14744002

Ion Ratio Lower Upper

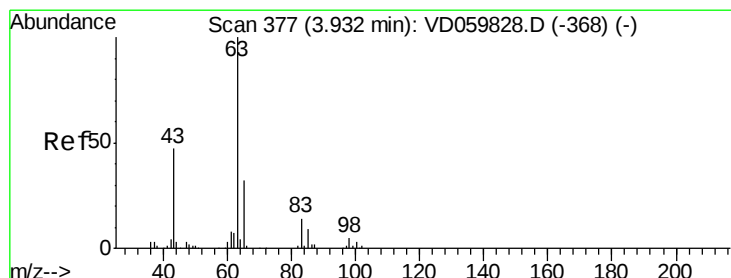
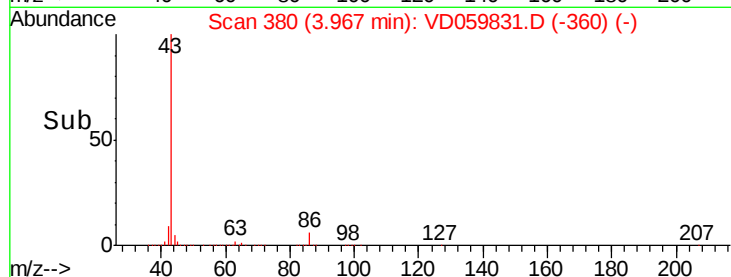
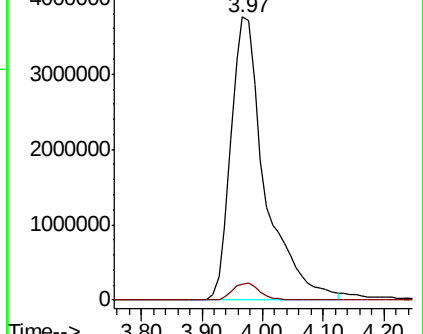
43 100

86 5.8 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 137.883 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

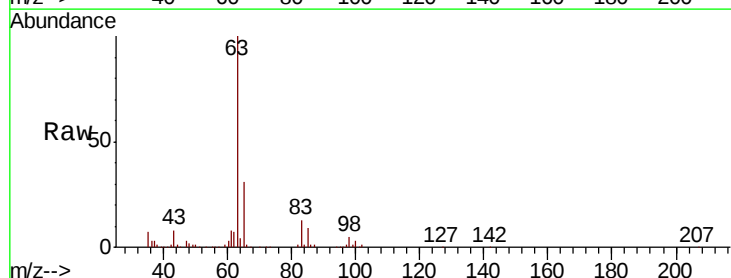
Tgt Ion: 63 Resp: 2627019

Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.6

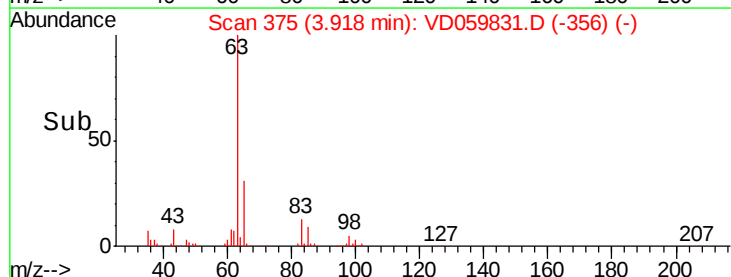
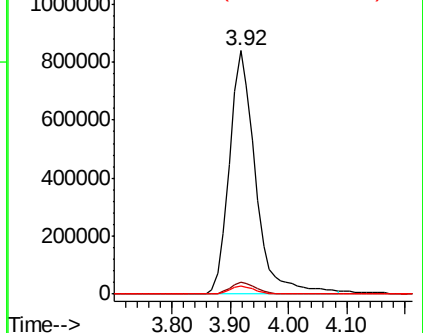
100 3.3 1.7 5.0

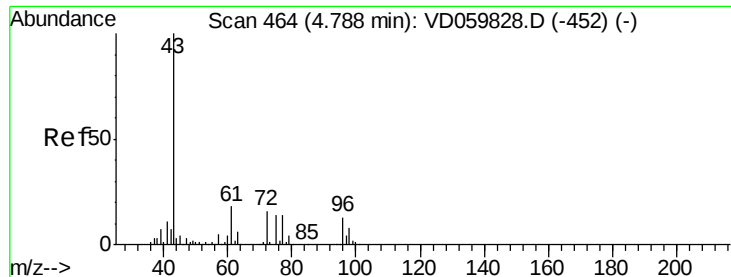


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

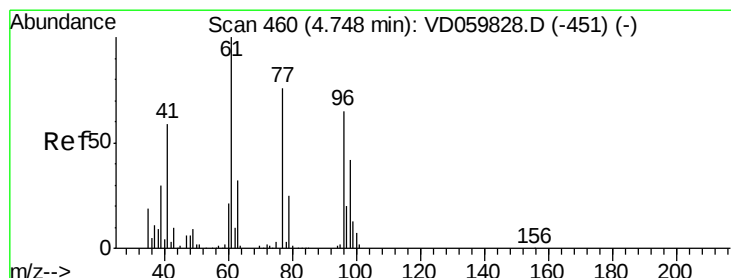
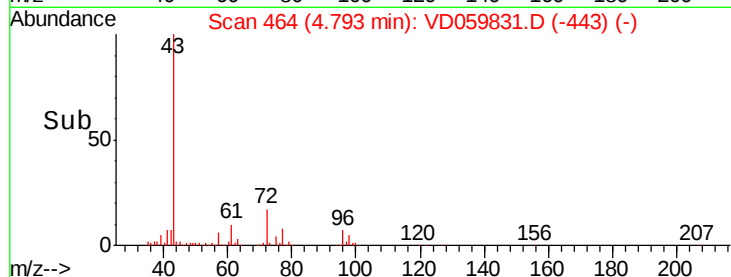
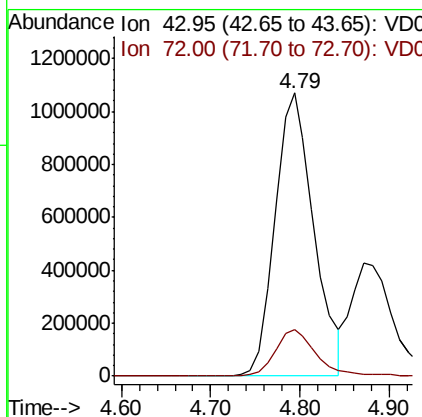
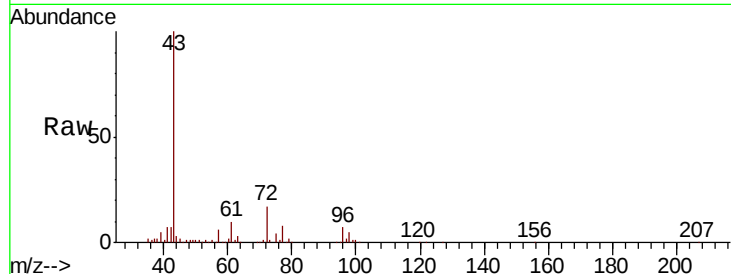




#25
 2-Butanone
 Concen: 729.559 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

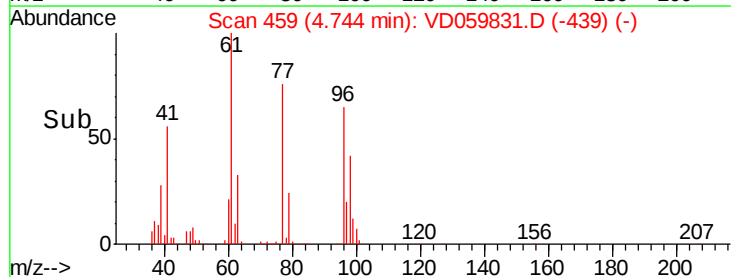
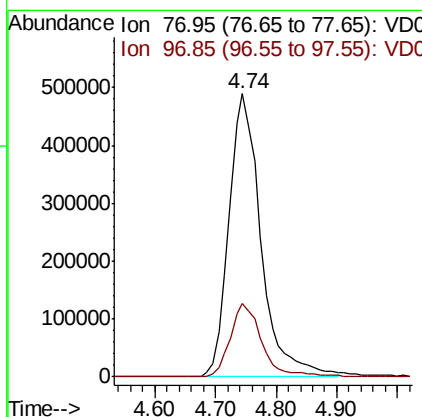
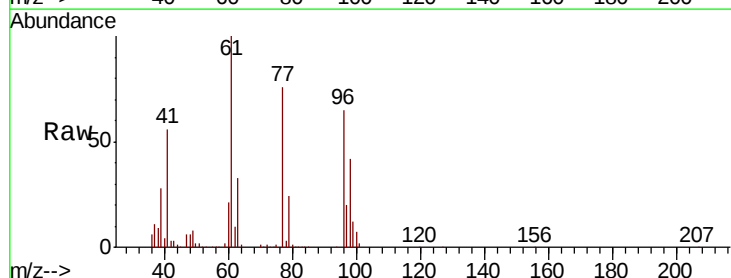
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

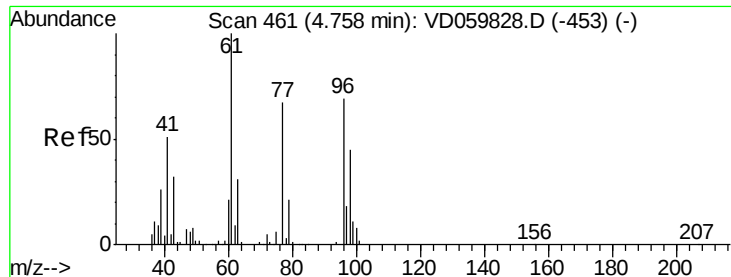
Tgt Ion: 43 Resp: 3219202
 Ion Ratio Lower Upper
 43 100
 72 16.6 12.4 18.6



#26
 2,2-Dichloropropane
 Concen: 119.319 ug/l
 RT: 4.74 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 77 Resp: 1803614
 Ion Ratio Lower Upper
 77 100
 97 25.8 13.0 38.9



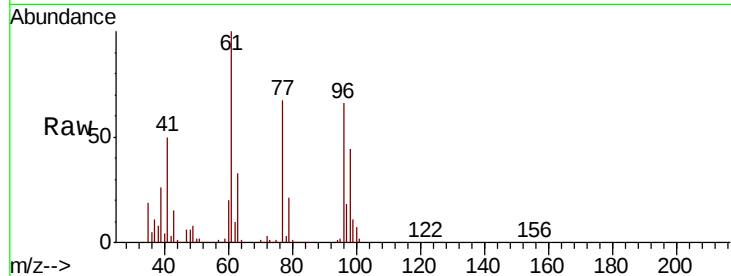


#27

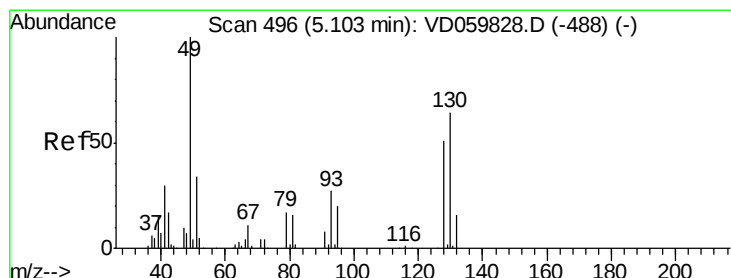
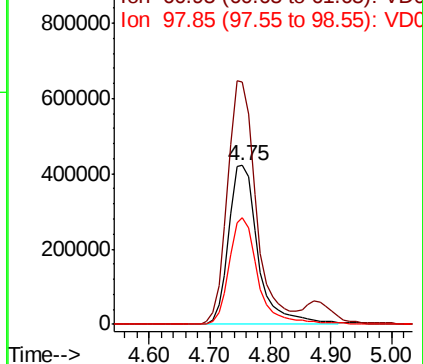
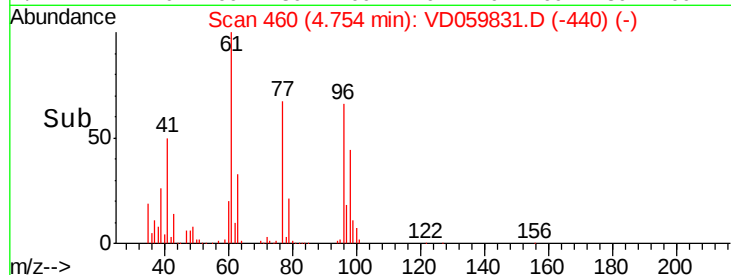
cis-1,2-Dichloroethene
 Concen: 124.497 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 96 Resp: 1430775
 Ion Ratio Lower Upper
 96 100
 61 152.2 0.0 291.8
 98 66.9 0.0 131.6



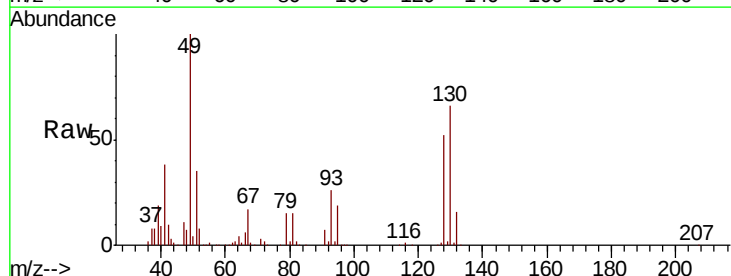
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



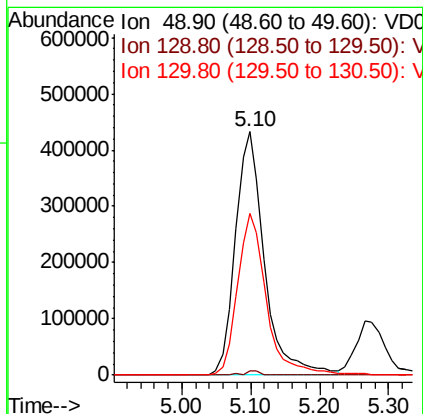
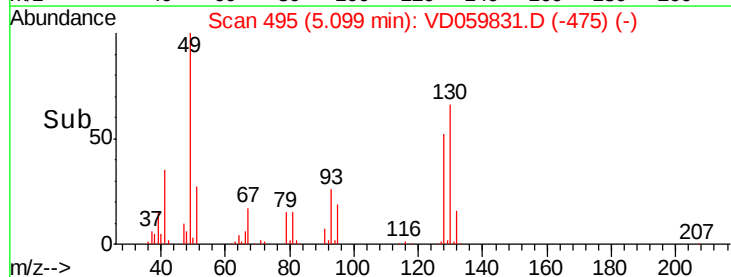
#28

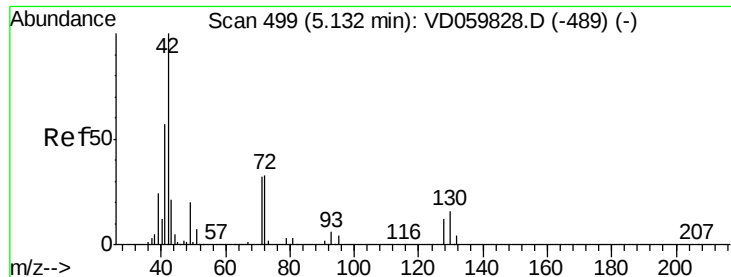
Bromochloromethane
 Concen: 129.051 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 49 Resp: 1260341
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 3.8
 130 66.2 51.0 76.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 705.889 ug/l

RT: 5.14 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

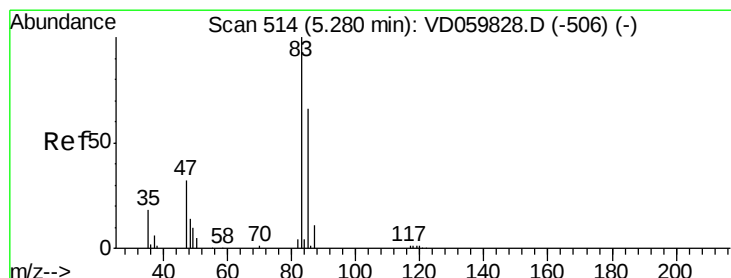
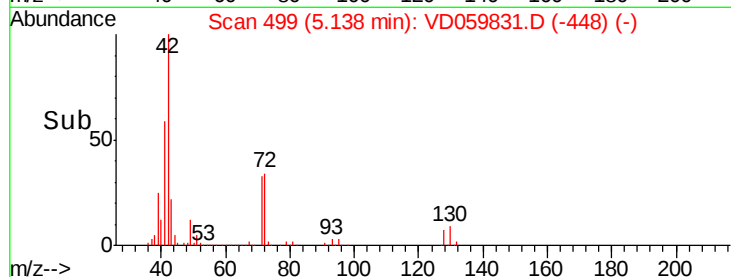
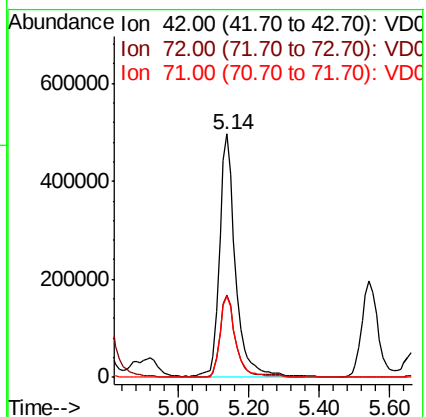
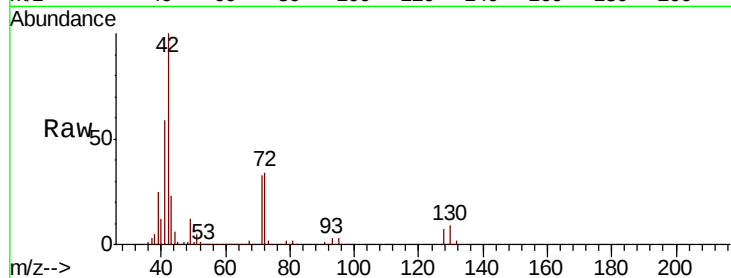
Tgt Ion: 42 Resp: 1562218

Ion Ratio Lower Upper

42 100

72 32.5 25.8 38.6

71 33.5 25.7 38.5



#30

Chloroform

Concen: 139.296 ug/l

RT: 5.28 min Scan# 513

Delta R.T. -0.00 min

Lab File: VD059831.D

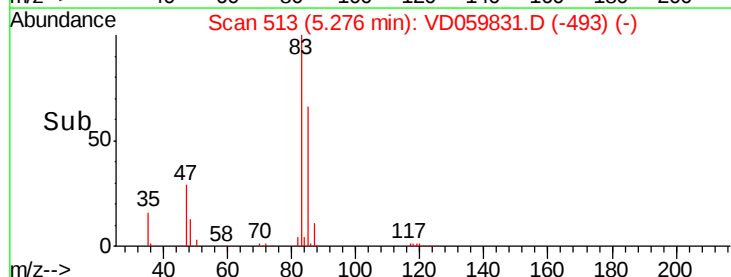
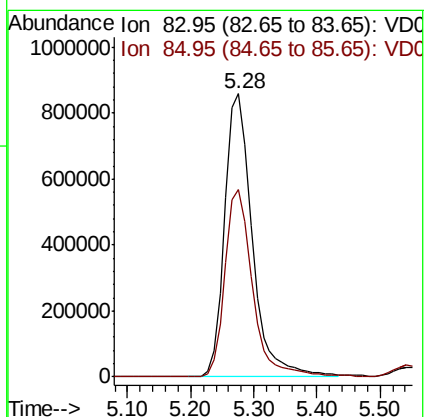
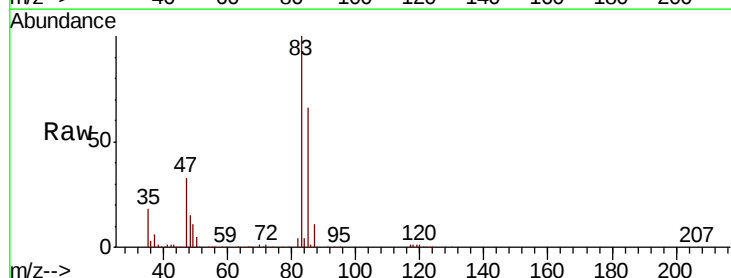
Acq: 20 Aug 2018 14:52

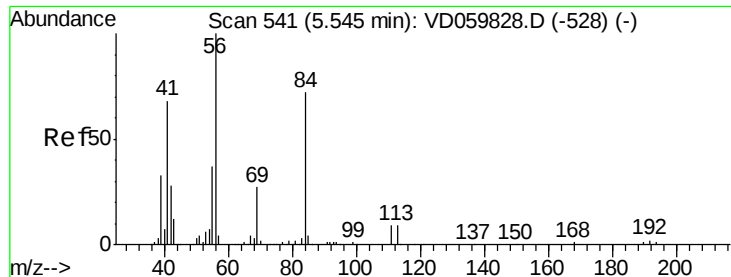
Tgt Ion: 83 Resp: 2613942

Ion Ratio Lower Upper

83 100

85 66.2 52.9 79.3

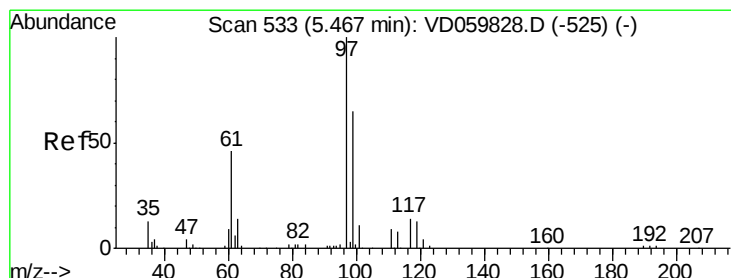
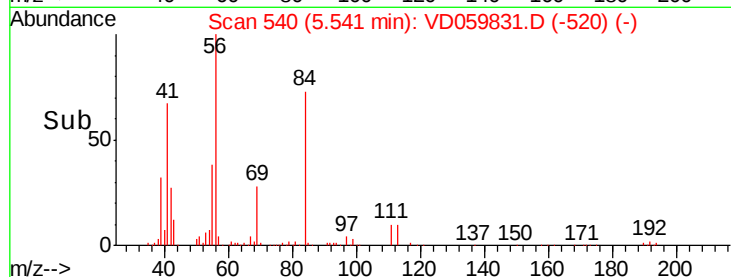
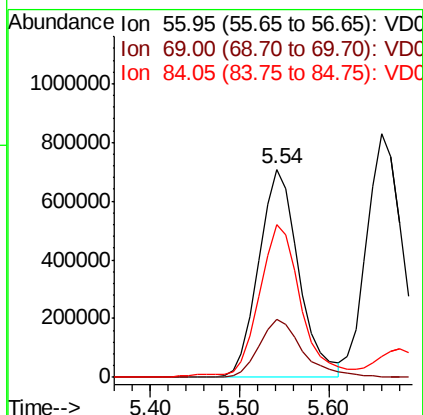
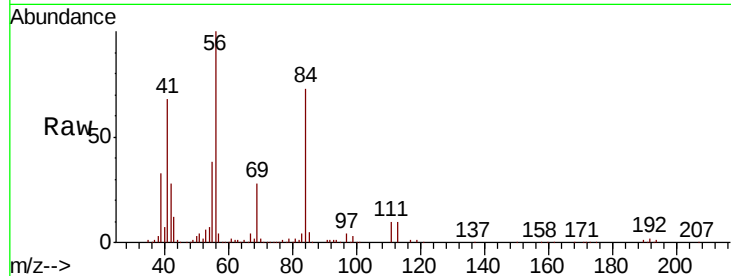




#31
Cyclohexane
Concen: 126.350 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

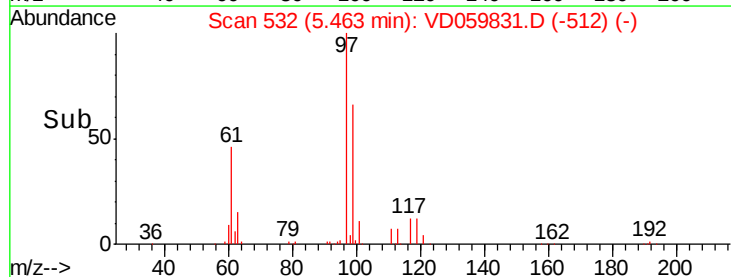
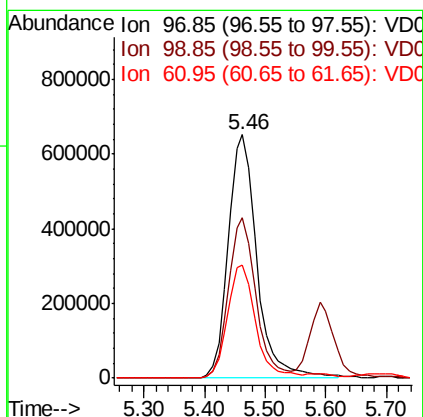
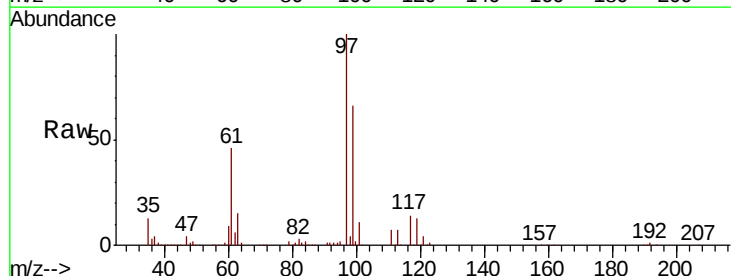
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

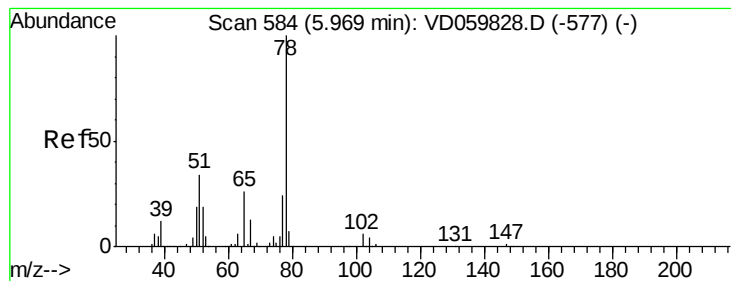
Tgt Ion: 56 Resp: 2199924
Ion Ratio Lower Upper
56 100
69 27.7 21.7 32.5
84 73.2 57.8 86.6



#32
1,1,1-Trichloroethane
Concen: 134.985 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 97 Resp: 2138271
Ion Ratio Lower Upper
97 100
99 65.9 51.9 77.9
61 46.2 37.0 55.6





#33

1,2-Dichloroethane-d4

Concen: 134.985 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

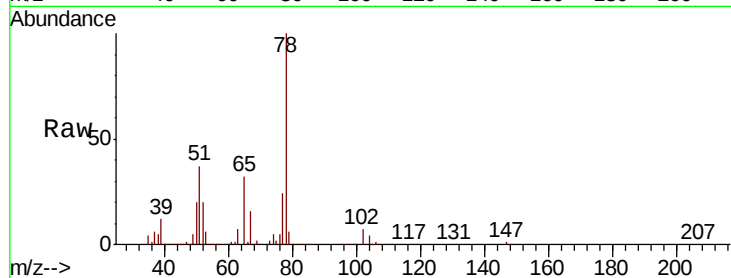
VSTDIC150

Tgt Ion: 65 Resp: 1164205

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.97

400000

300000

200000

100000

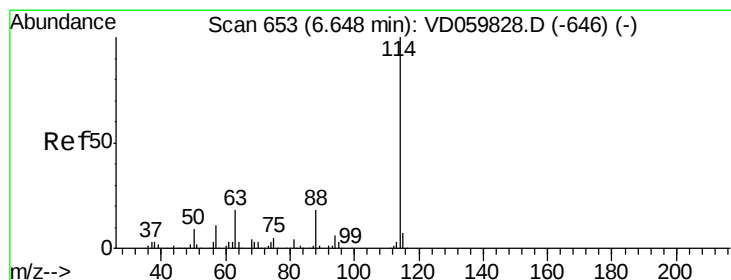
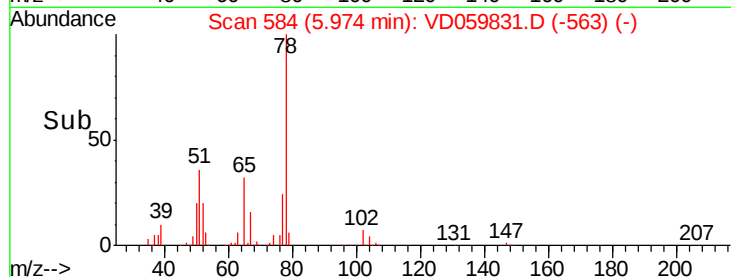
0

Time-->

5.90

6.00

6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

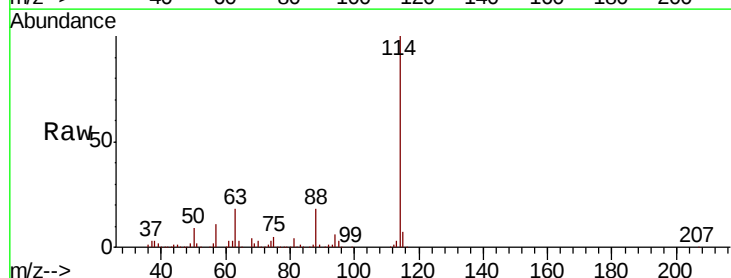
Tgt Ion: 114 Resp: 1580569

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

88 18.3 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.64

800000

600000

400000

200000

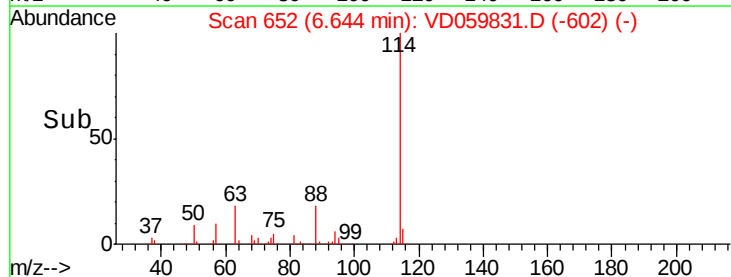
0

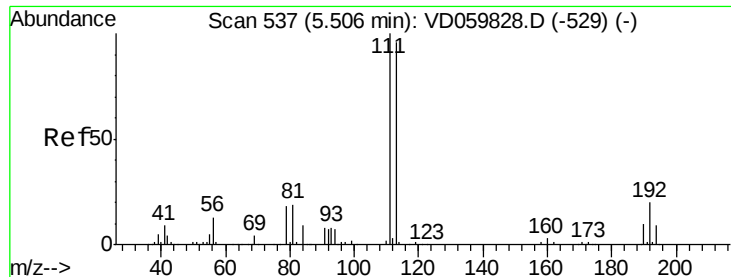
Time-->

6.60

6.80

7.00

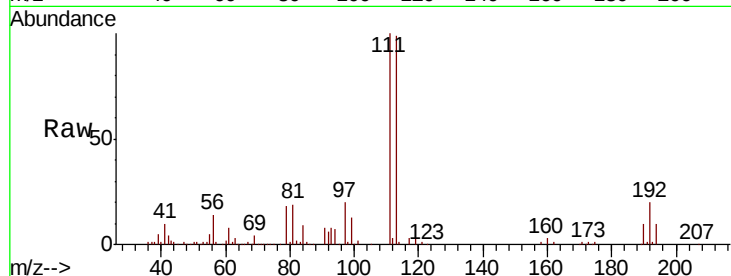




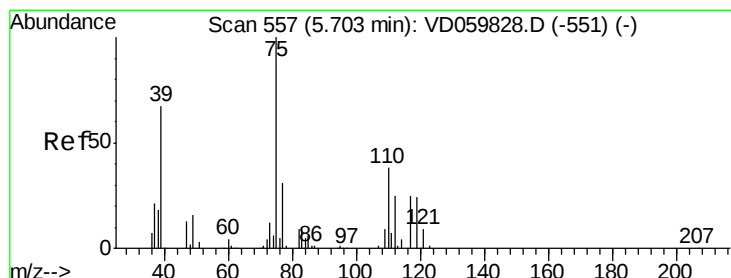
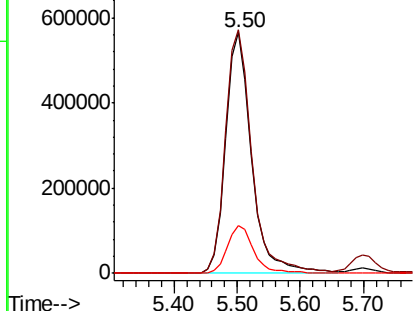
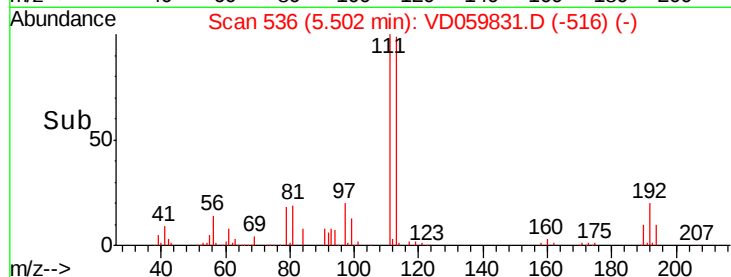
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.50 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:113 Resp: 1607809
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.3 124.9
 192 20.1 16.8 25.2

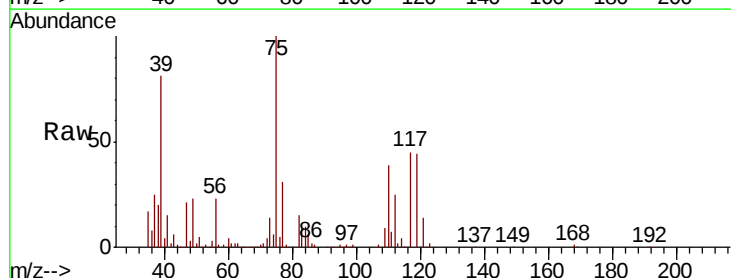


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

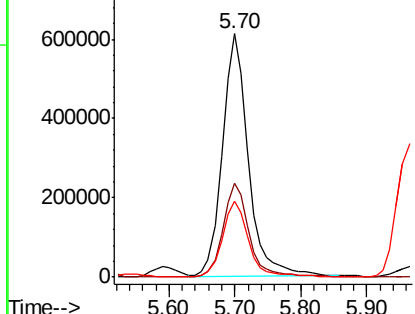
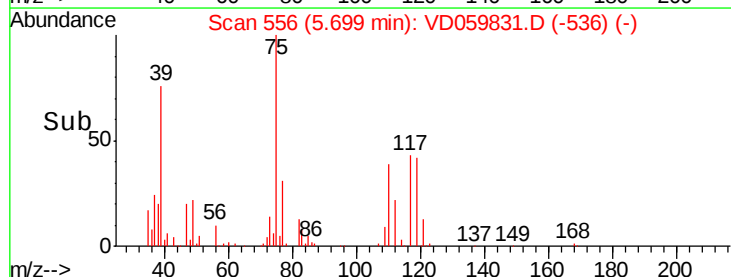


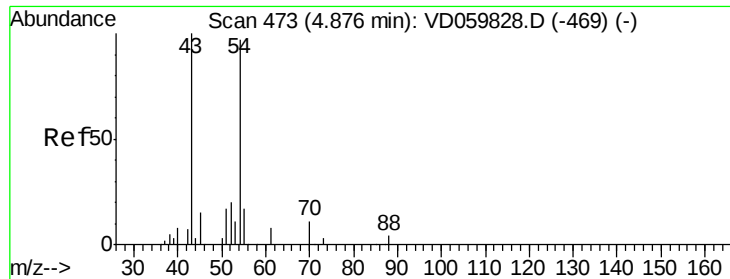
#36
 1,1-Dichloropropene
 Concen: 122.490 ug/l
 RT: 5.70 min Scan# 556
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 75 Resp: 1665453
 Ion Ratio Lower Upper
 75 100
 110 38.5 18.8 56.4
 77 31.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

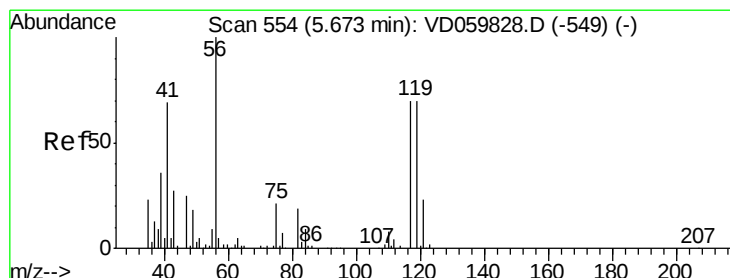
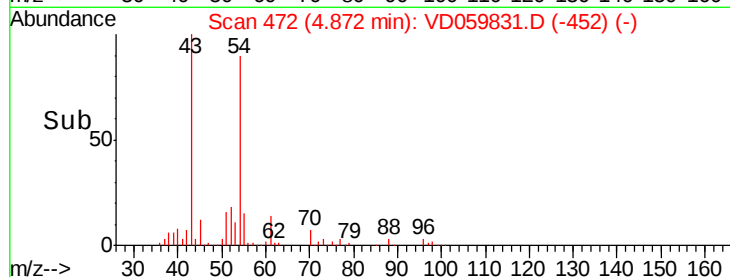
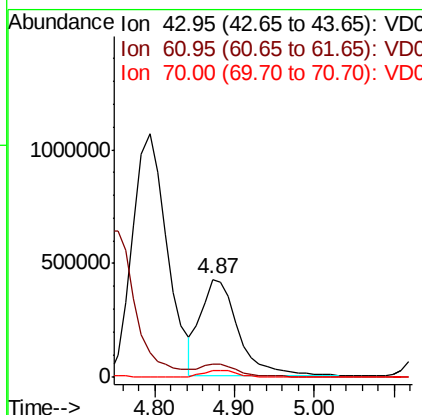
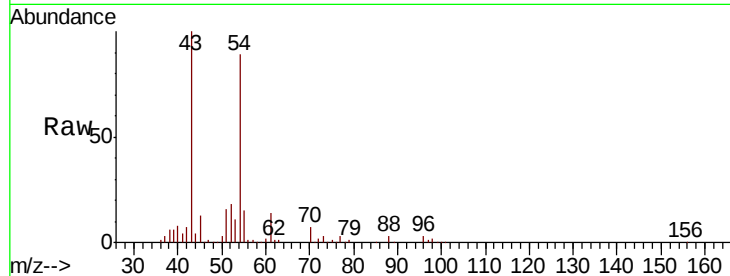




#37
 Ethyl Acetate
 Concen: 140.314 ug/l
 RT: 4.87 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

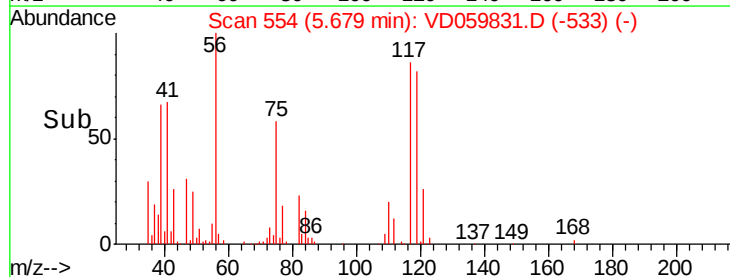
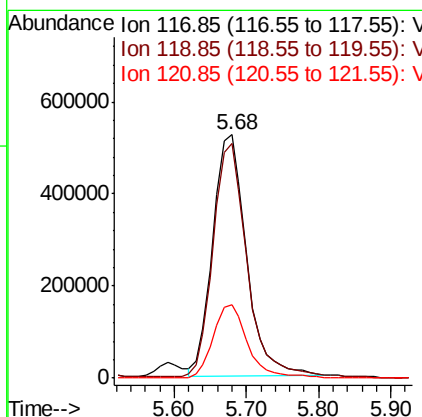
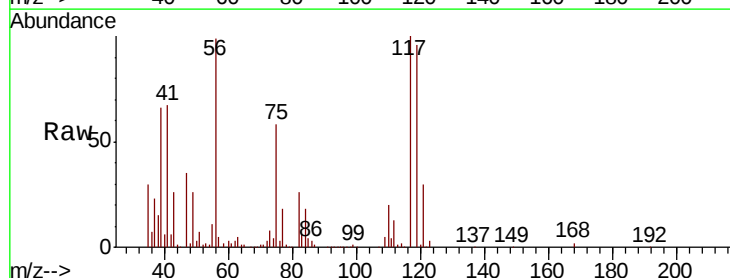
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

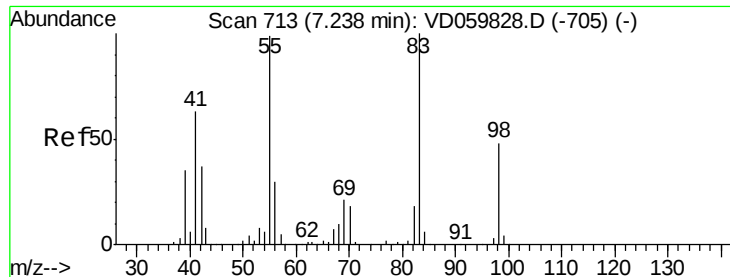
Tgt Ion: 43 Resp: 1388256
 Ion Ratio Lower Upper
 43 100
 61 14.2 10.4 15.6
 70 7.2 6.2 9.2



#38
 Carbon Tetrachloride
 Concen: 125.340 ug/l
 RT: 5.68 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 117 Resp: 1694468
 Ion Ratio Lower Upper
 117 100
 119 96.2 77.0 115.4
 121 30.1 24.7 37.1

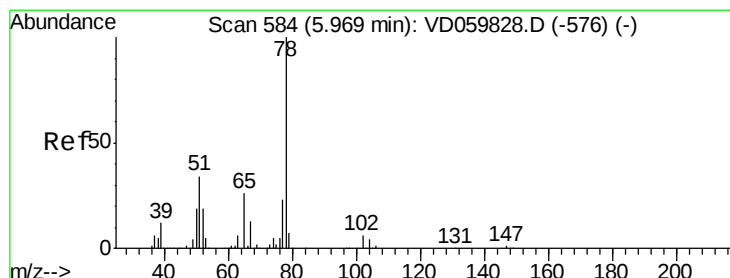
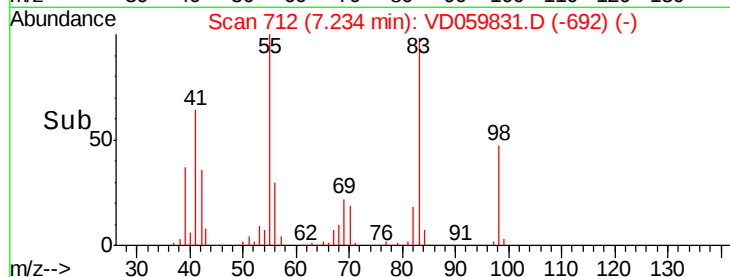
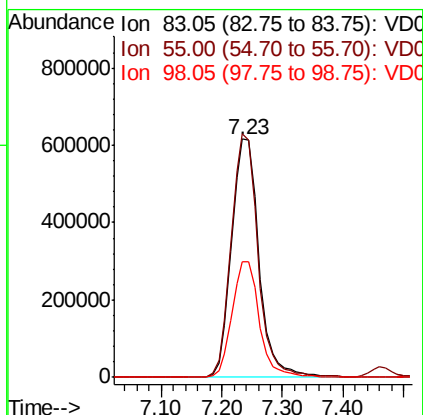
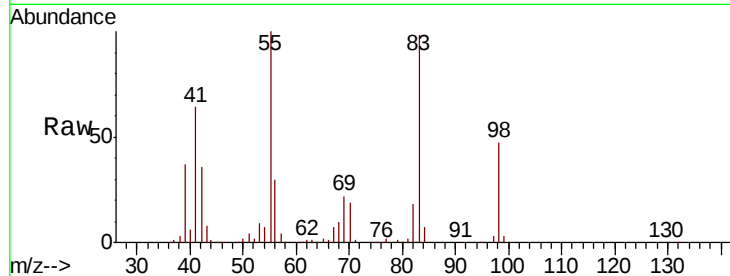




#39
Methylcyclohexane
Concen: 134.270 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

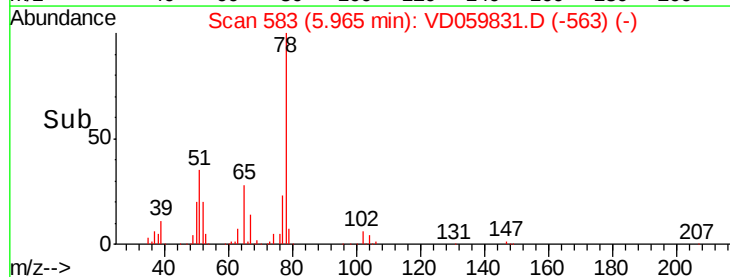
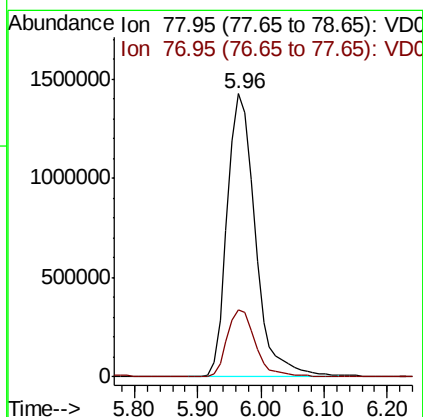
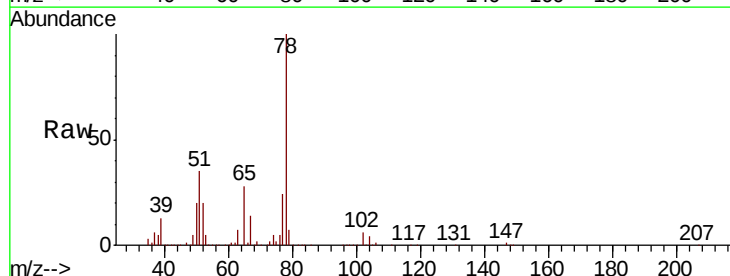
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

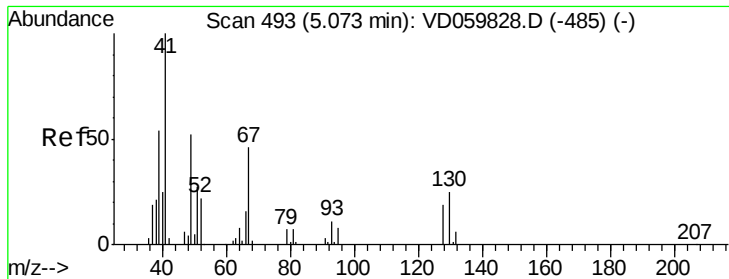
Tgt Ion: 83 Resp: 1940646
Ion Ratio Lower Upper
83 100
55 102.2 79.0 118.6
98 48.4 38.1 57.1



#40
Benzene
Concen: 126.312 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 78 Resp: 4433850
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2





#41

Methacrylonitrile

Concen: 142.268 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 724812

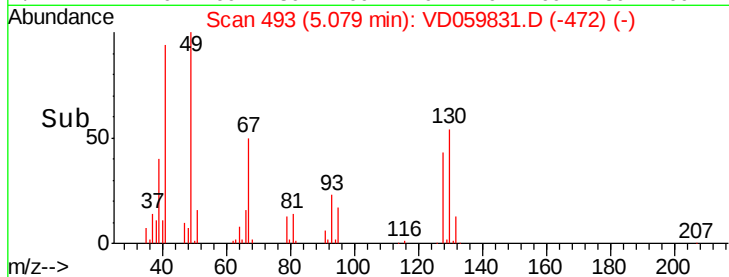
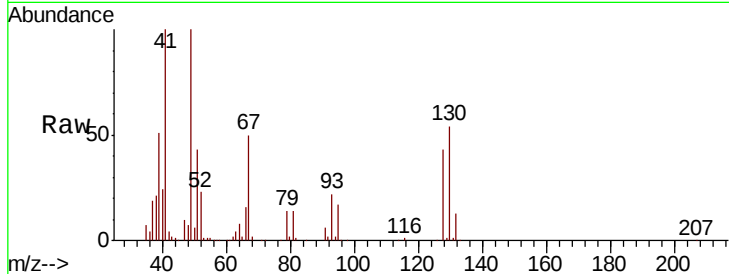
Ion Ratio Lower Upper

41 100

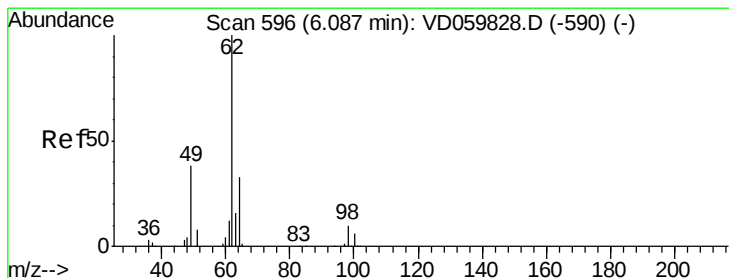
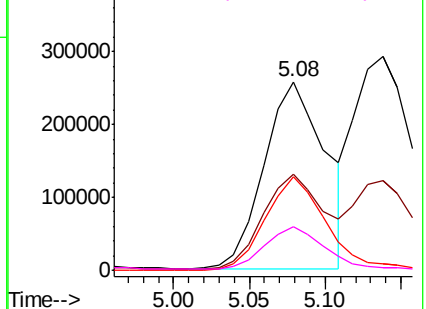
39 51.1 43.0 64.6

67 49.7 36.7 55.1

52 23.2 18.0 27.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 139.468 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD059831.D

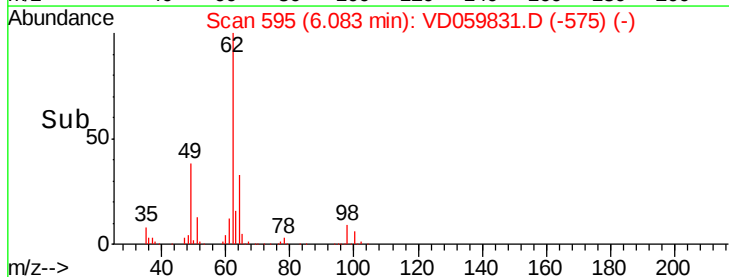
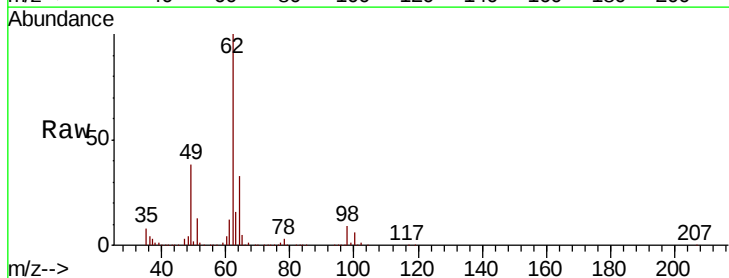
Acq: 20 Aug 2018 14:52

Tgt Ion: 62 Resp: 1572184

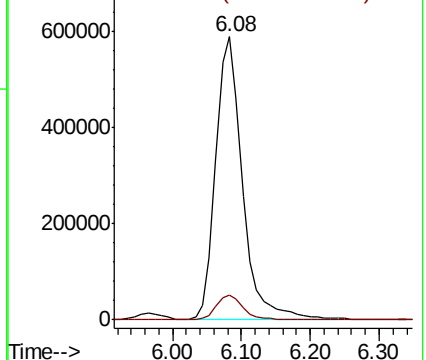
Ion Ratio Lower Upper

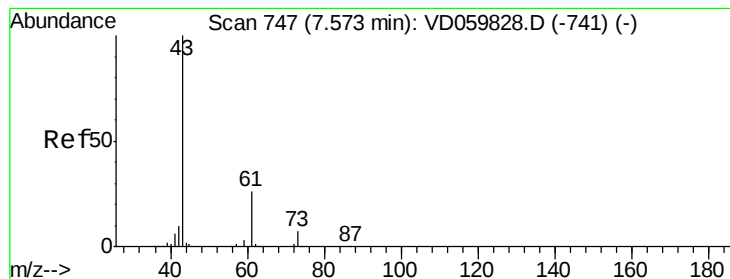
62 100

98 8.9 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 145.370 ug/l

RT: 7.58 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

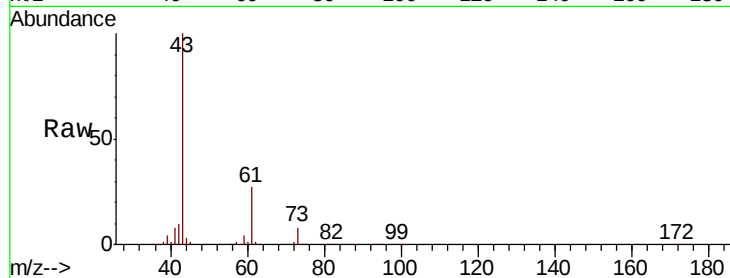
Tgt Ion: 43 Resp: 1973294

Ion Ratio Lower Upper

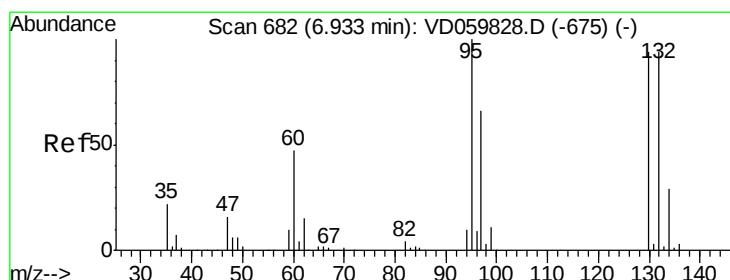
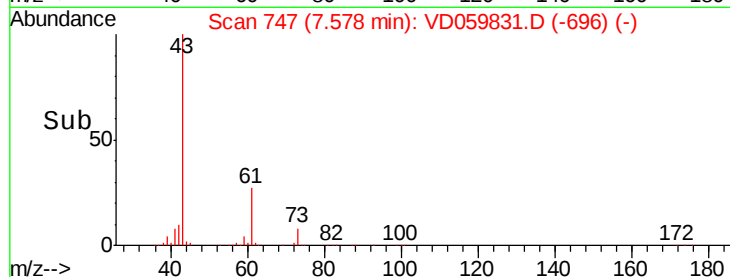
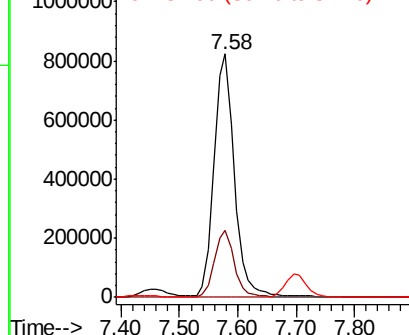
43 100

61 27.4 21.0 31.4

87 0.2 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 139.805 ug/l

RT: 6.94 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059831.D

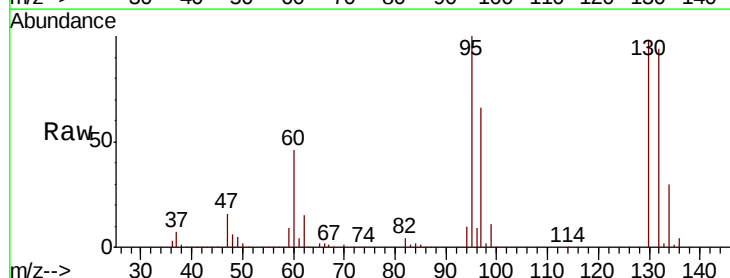
Acq: 20 Aug 2018 14:52

Tgt Ion: 130 Resp: 1446198

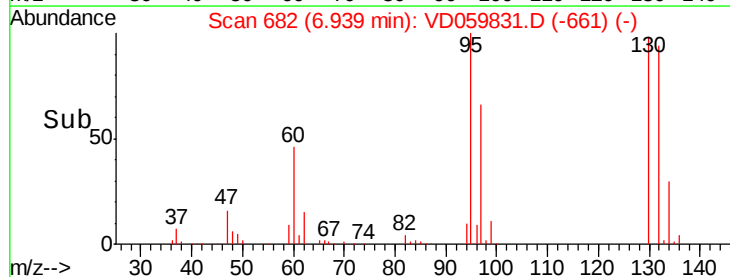
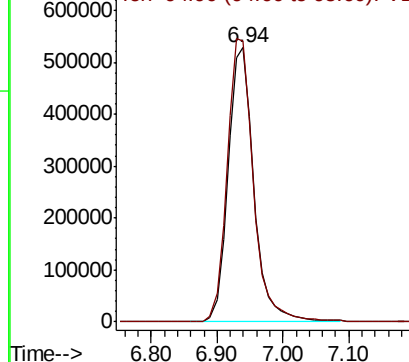
Ion Ratio Lower Upper

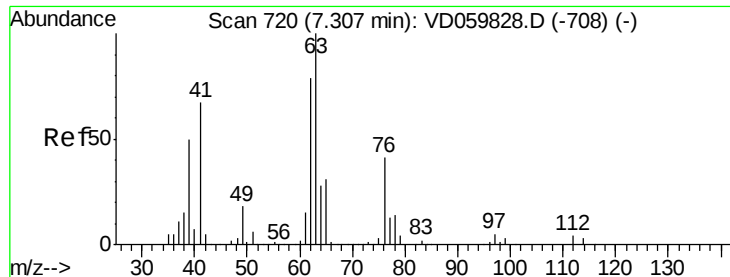
130 100

95 102.6 0.0 213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 139.546 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

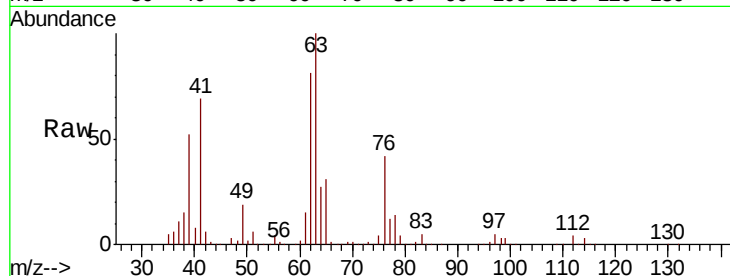
VSTDIC150

Tgt Ion: 63 Resp: 1419927

Ion Ratio Lower Upper

63 100

65 30.7 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.30

600000

500000

400000

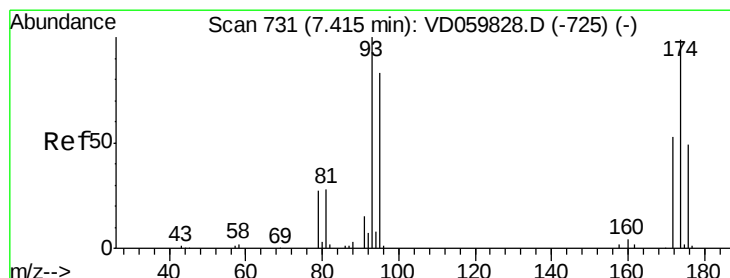
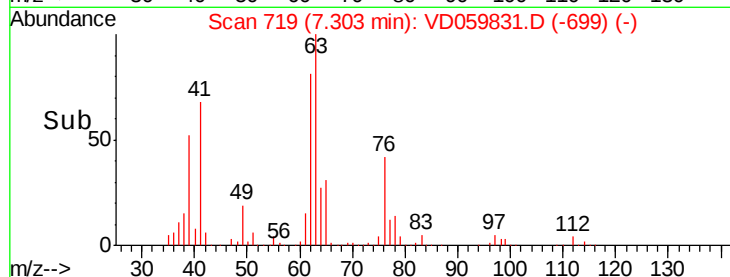
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 144.087 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

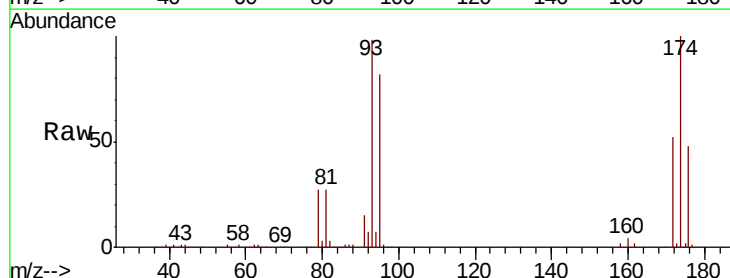
Tgt Ion: 93 Resp: 911040

Ion Ratio Lower Upper

93 100

95 83.5 66.3 99.5

174 102.2 79.4 119.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

500000

400000

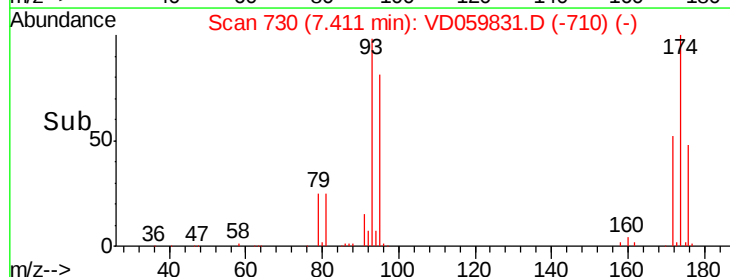
300000

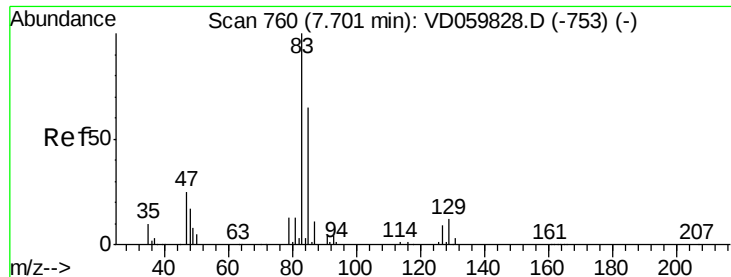
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 137.820 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

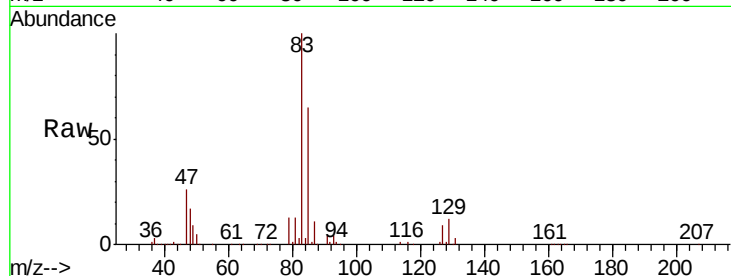
Tgt Ion: 83 Resp: 1933698

Ion Ratio Lower Upper

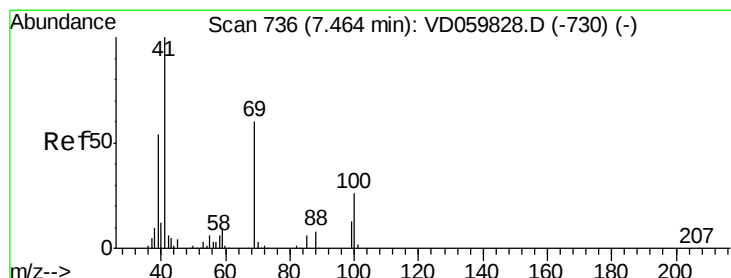
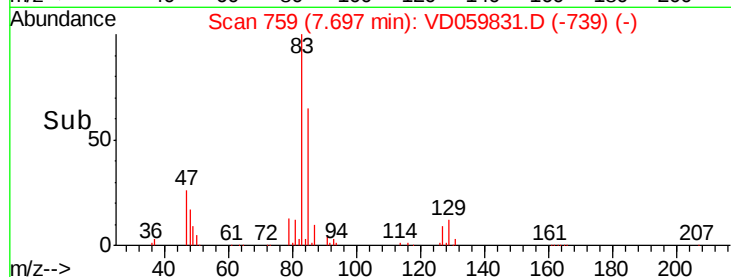
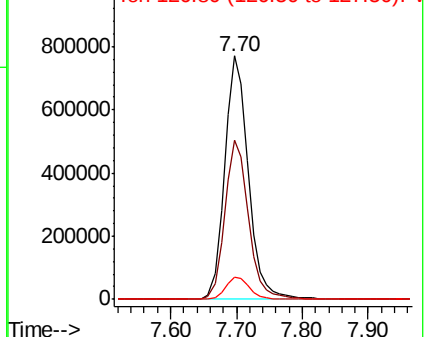
83 100

85 65.4 52.2 78.4

127 9.2 7.1 10.7



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 139.364 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

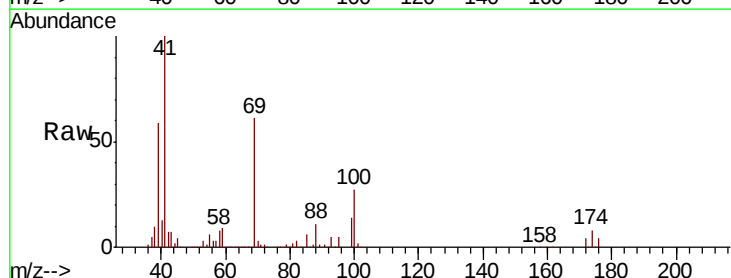
Tgt Ion: 41 Resp: 1058019

Ion Ratio Lower Upper

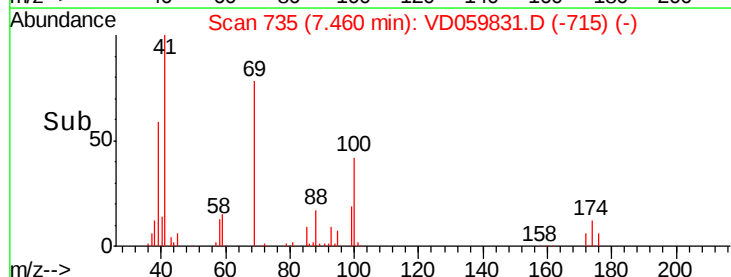
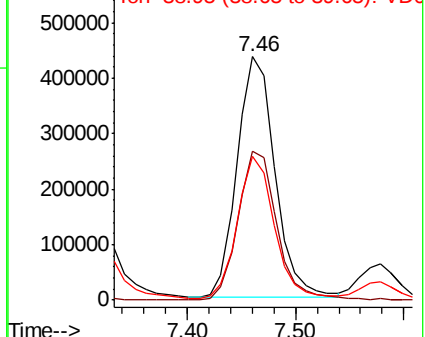
41 100

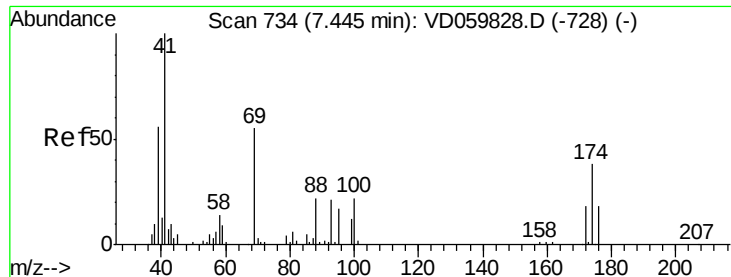
69 61.4 47.0 70.4

39 59.0 43.4 65.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

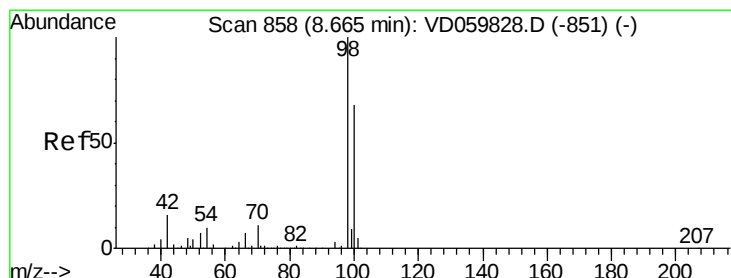
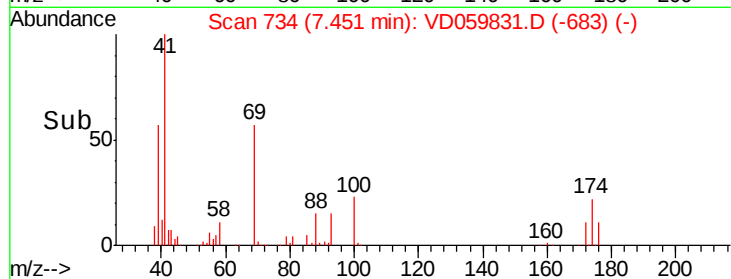
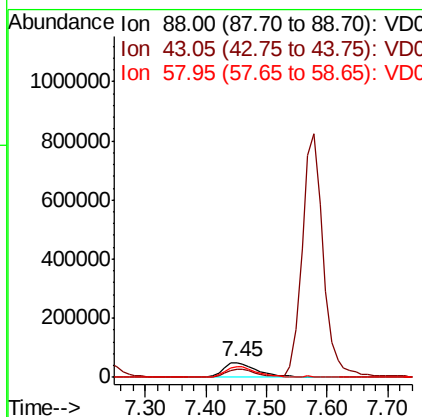
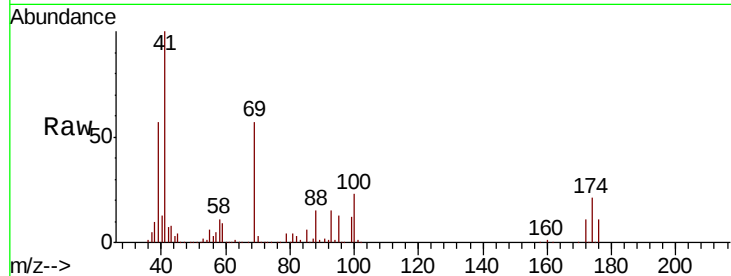




#49
 1,4-Dioxane
 Concen: 3088.252 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

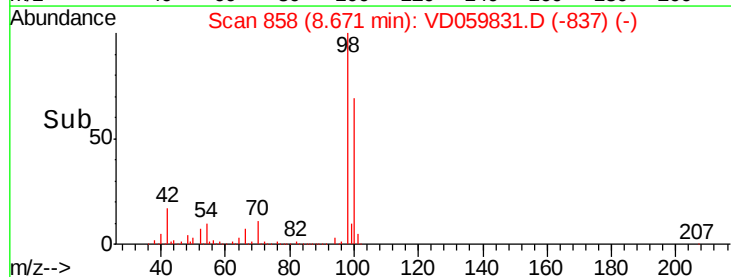
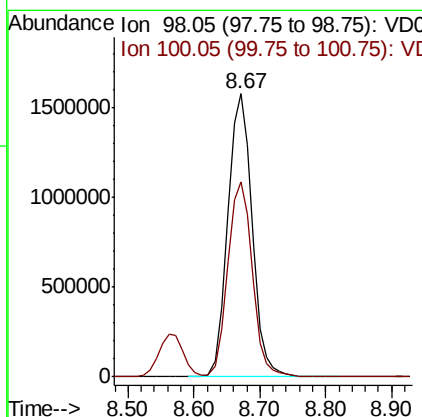
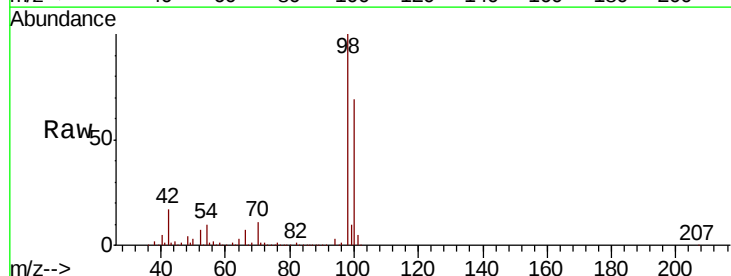
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

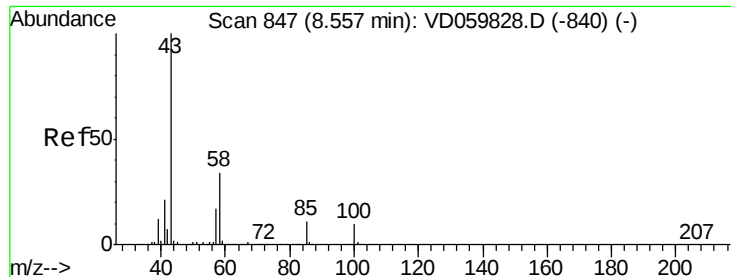
Tgt Ion: 88 Resp: 195315
 Ion Ratio Lower Upper
 88 100
 43 51.6 41.4 62.0
 58 74.6 52.4 78.6



#50
 Toluene-d8
 Concen: 3088.252 ug/l
 RT: 8.67 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 98 Resp: 4109722
 Ion Ratio Lower Upper
 98 100
 100 69.0 55.0 82.4

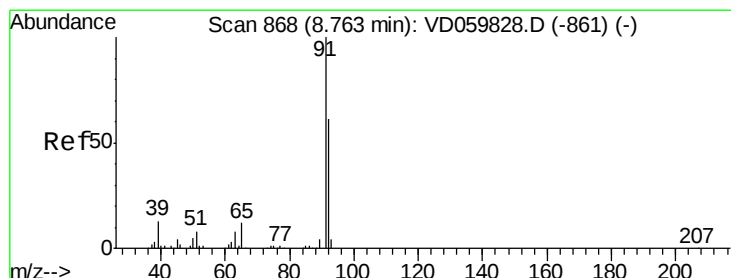
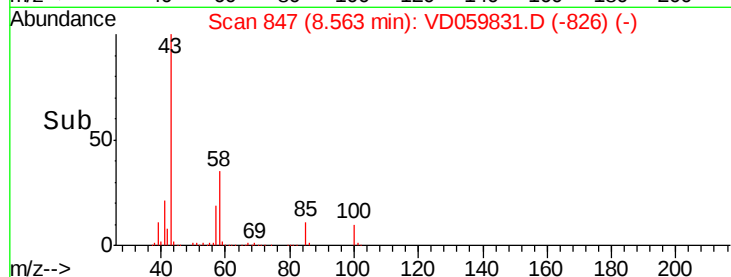
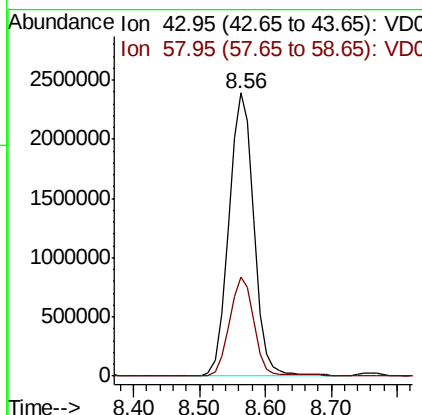
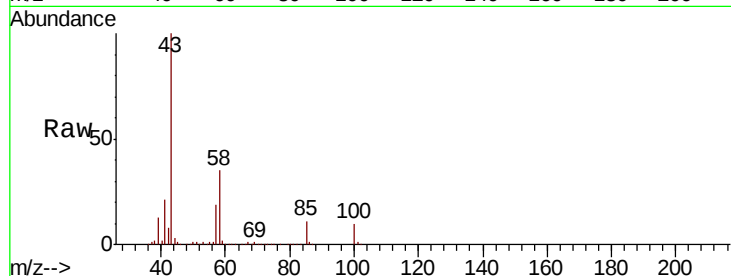




#51
 4-Methyl-2-Pentanone
 Concen: 679.861 ug/l
 RT: 8.56 min Scan# 847
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

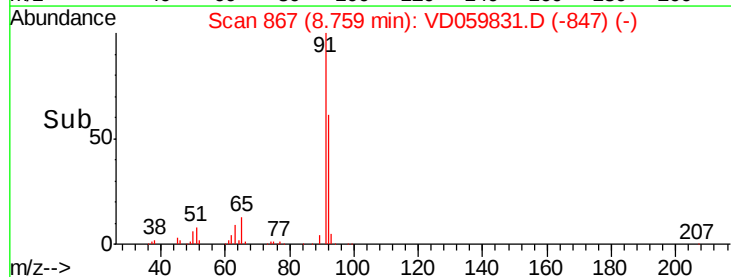
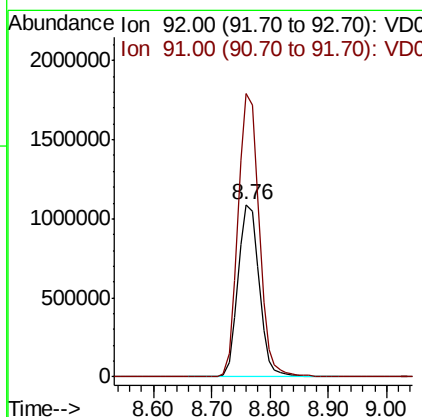
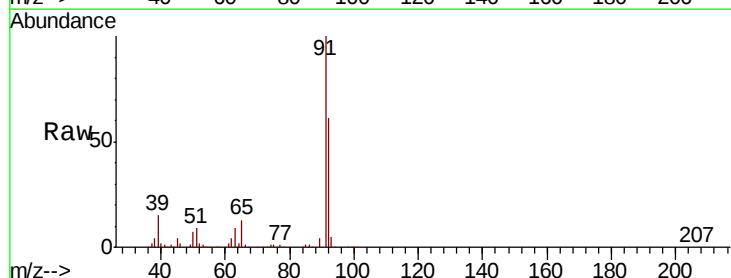
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

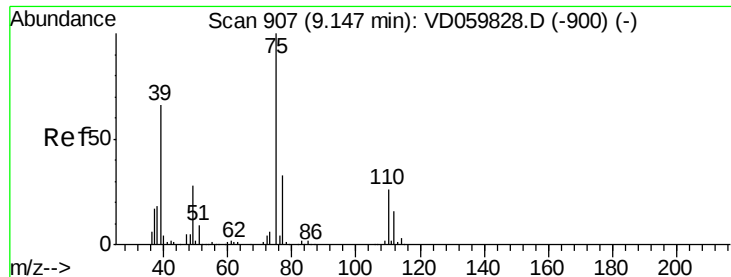
Tgt Ion: 43 Resp: 6347201
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.0 40.4



#52
 Toluene
 Concen: 124.070 ug/l
 RT: 8.76 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 92 Resp: 2763035
 Ion Ratio Lower Upper
 92 100
 91 164.3 131.7 197.5

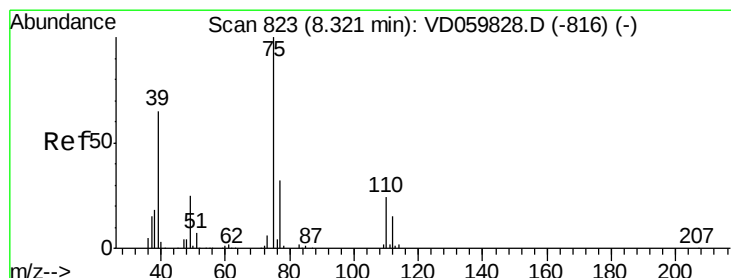
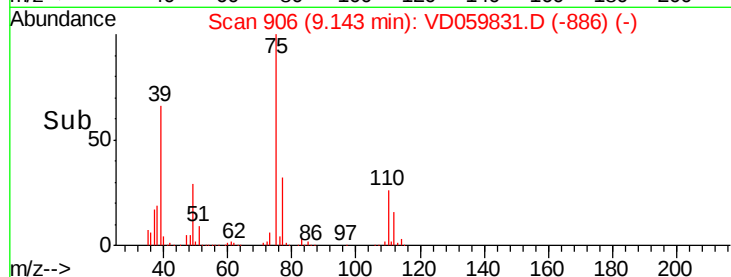
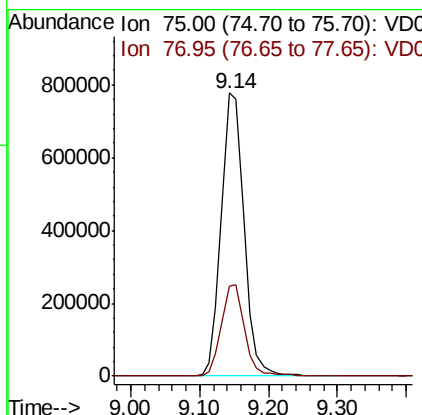
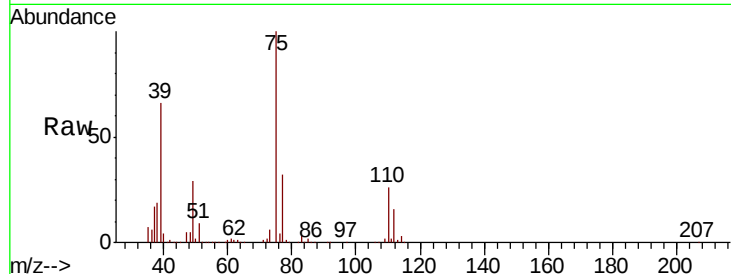




#53
 t-1,3-Dichloropropene
 Concen: 140.133 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

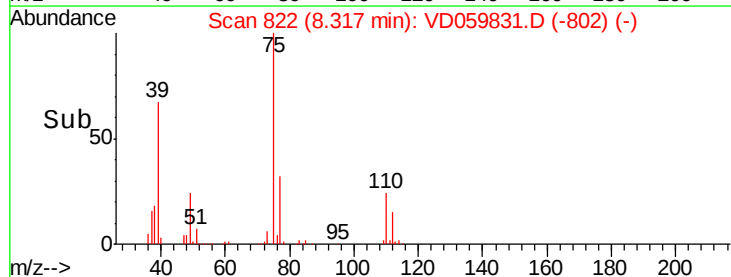
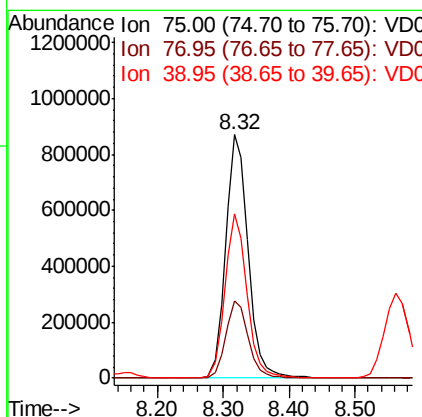
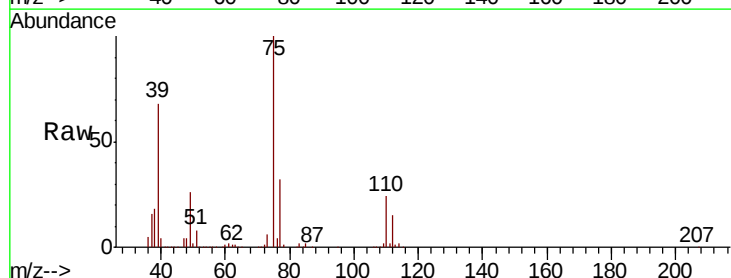
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

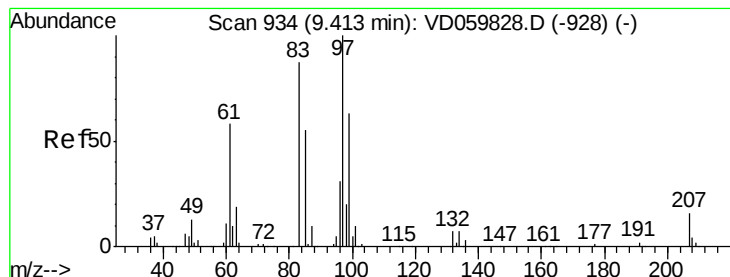
Tgt Ion: 75 Resp: 1790562
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 135.133 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 75 Resp: 2072827
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 67.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 133.625 ug/l

RT: 9.42 min Scan# 934

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 1059241

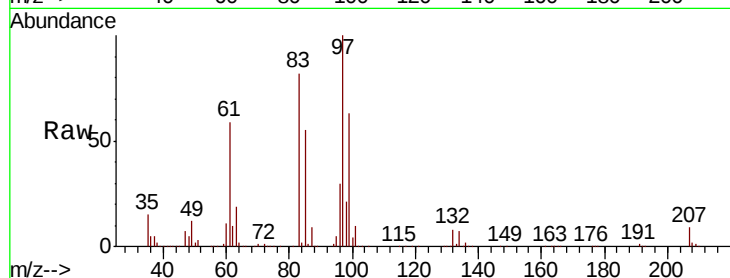
Ion Ratio Lower Upper

97 100

83 81.8 69.2 103.8

85 55.2 44.3 66.5

99 62.9 50.6 76.0

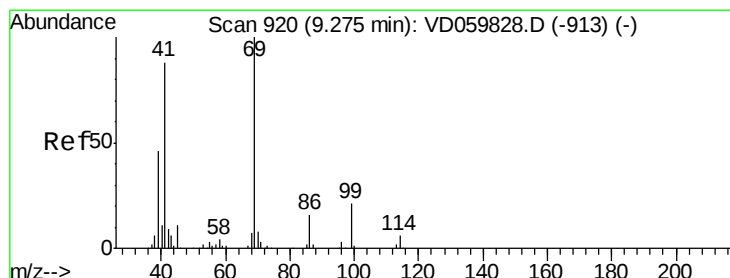
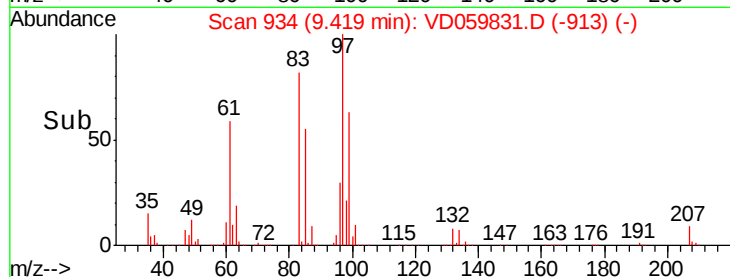
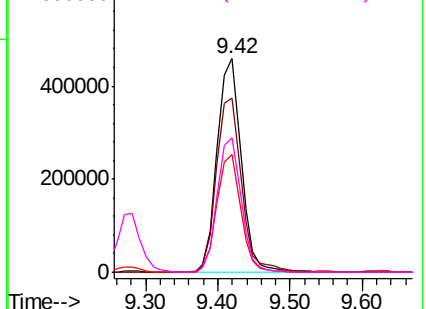


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 142.426 ug/l

RT: 9.27 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

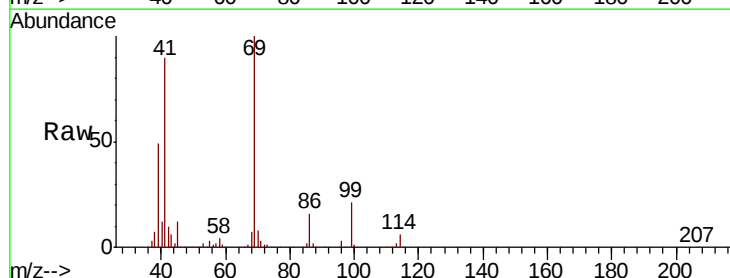
Tgt Ion: 69 Resp: 1297511

Ion Ratio Lower Upper

69 100

41 89.7 71.0 106.4

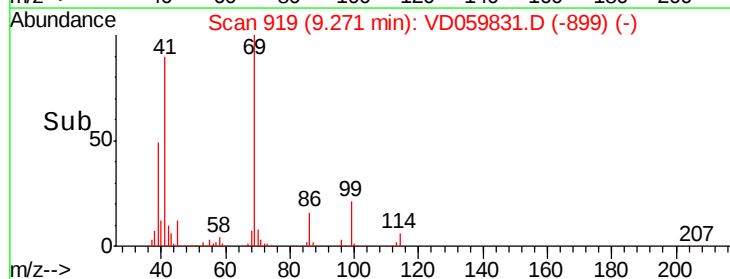
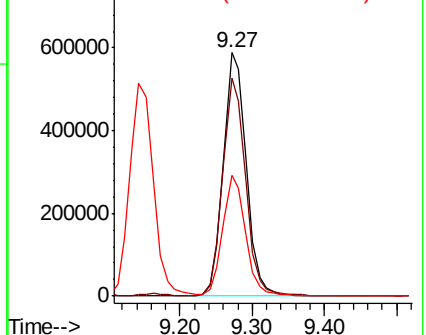
39 49.4 38.0 57.0

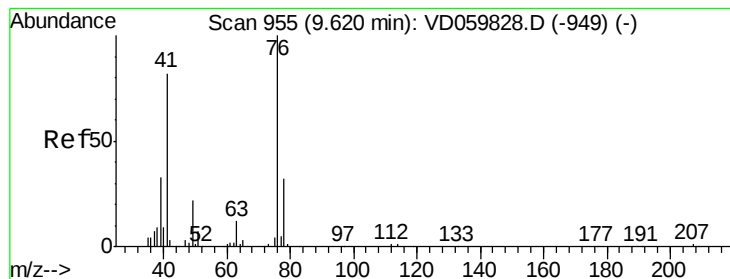


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 139.295 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

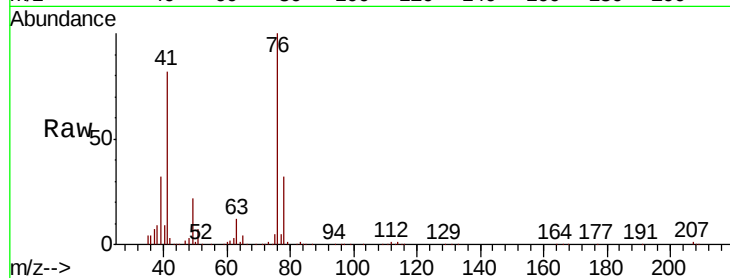
VSTDIC150

Tgt Ion: 76 Resp: 1609925

Ion Ratio Lower Upper

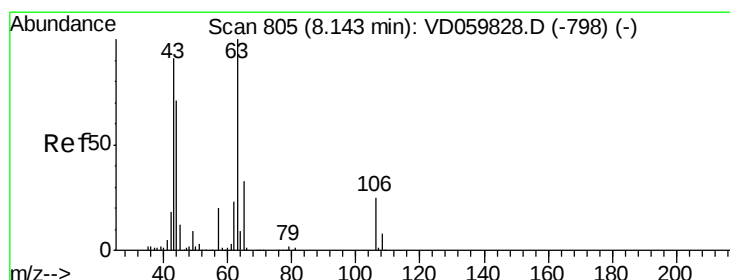
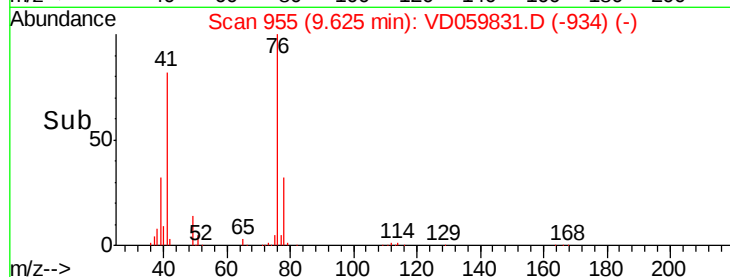
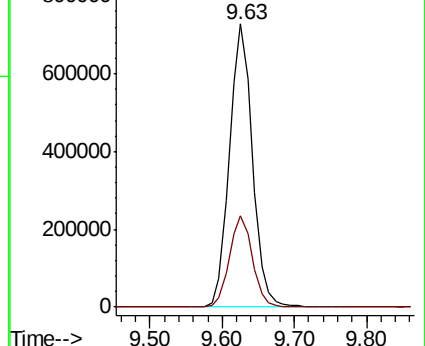
76 100

78 32.5 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 433.262 ug/l

RT: 8.15 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059831.D

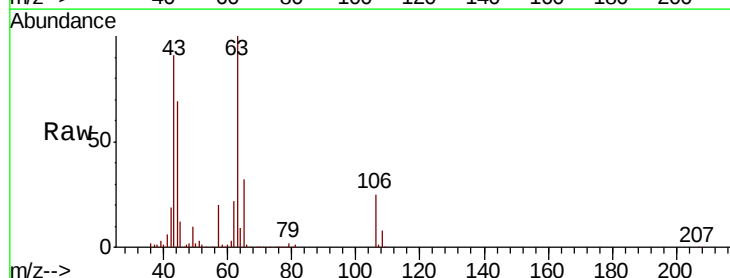
Acq: 20 Aug 2018 14:52

Tgt Ion: 63 Resp: 2027182

Ion Ratio Lower Upper

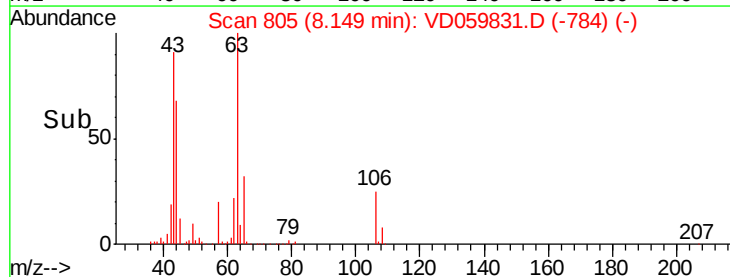
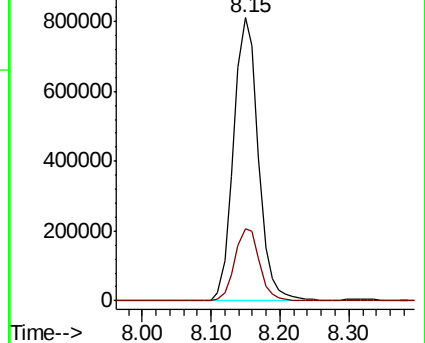
63 100

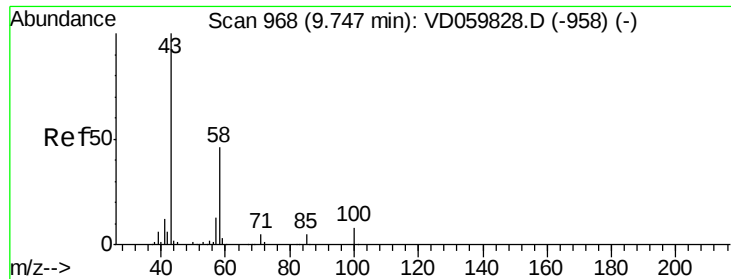
106 25.3 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

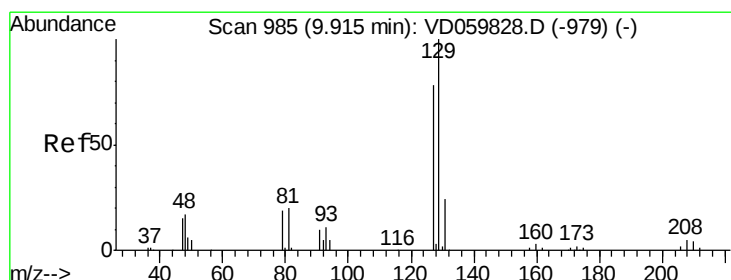
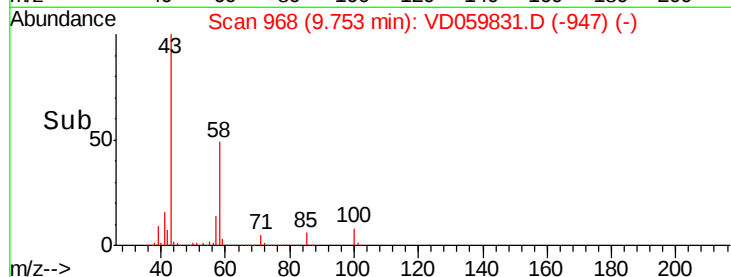
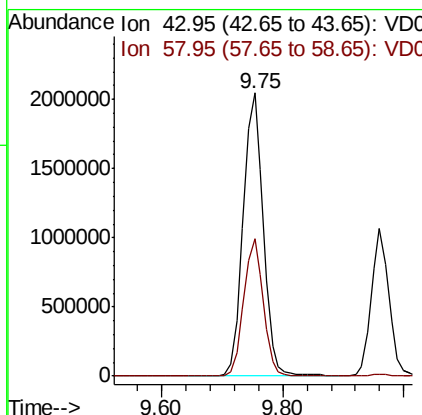
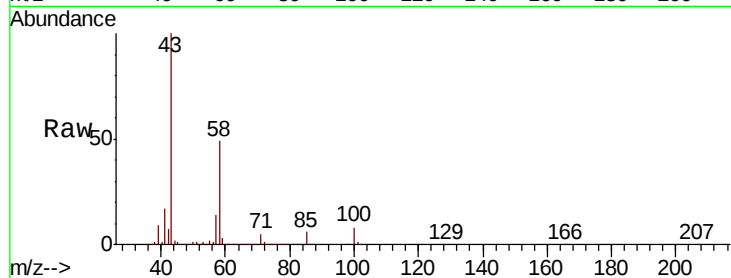




#59
2-Hexanone
Concen: 685.864 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

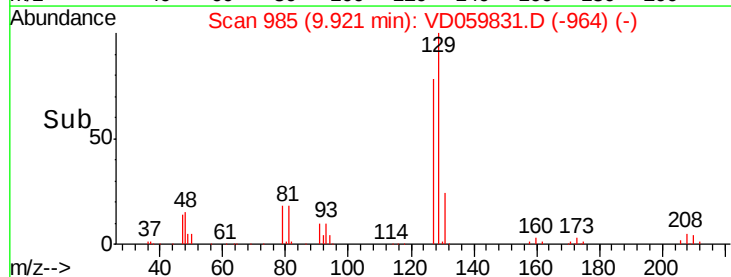
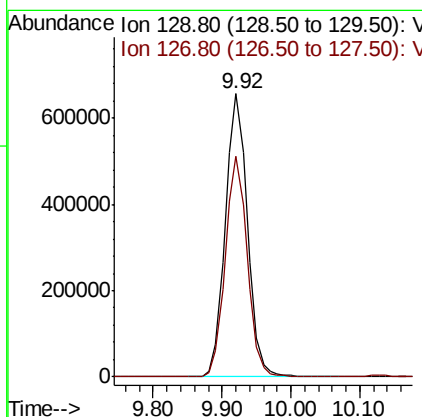
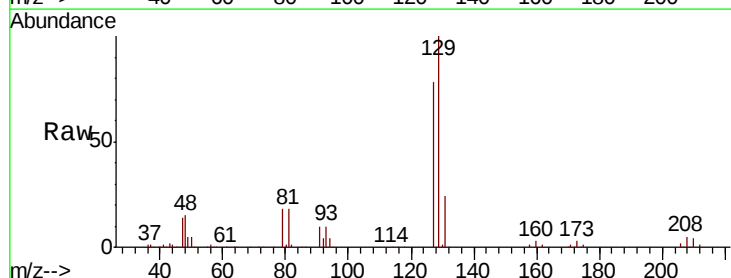
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

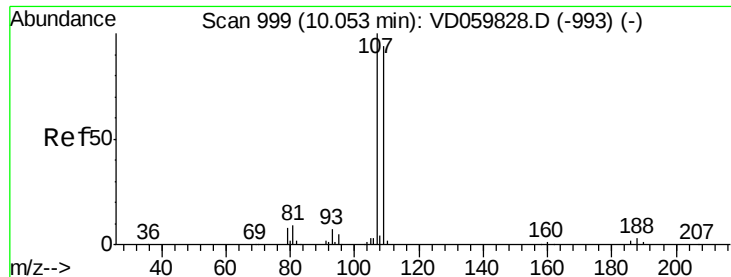
Tgt Ion: 43 Resp: 4716293
Ion Ratio Lower Upper
43 100
58 48.6 23.1 69.2



#60
Dibromochloromethane
Concen: 143.077 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 129 Resp: 1457803
Ion Ratio Lower Upper
129 100
127 78.0 39.0 116.9

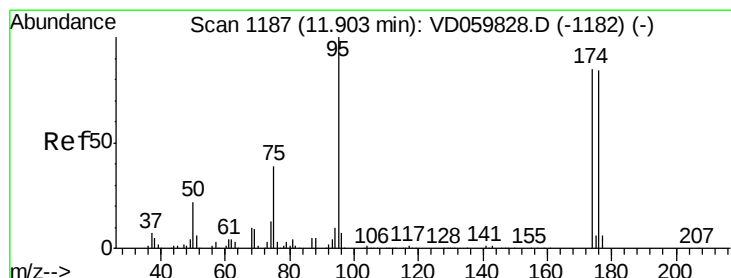
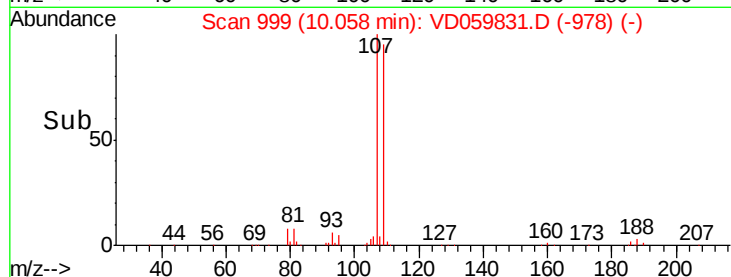
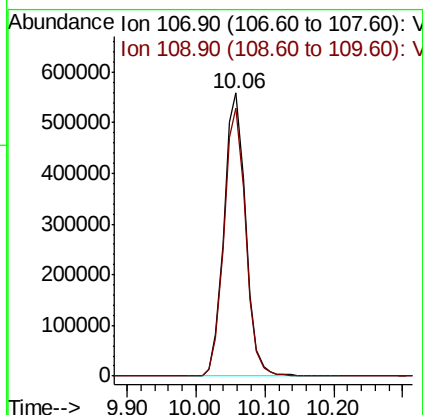
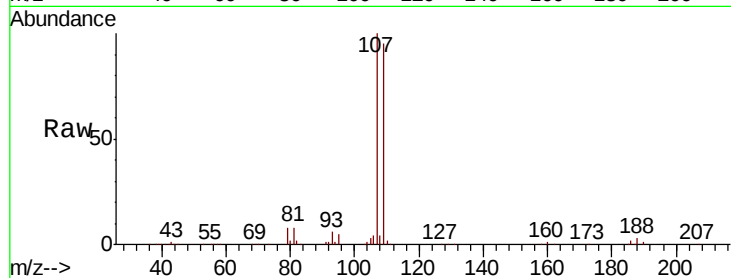




#61
 1,2-Dibromoethane
 Concen: 144.350 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

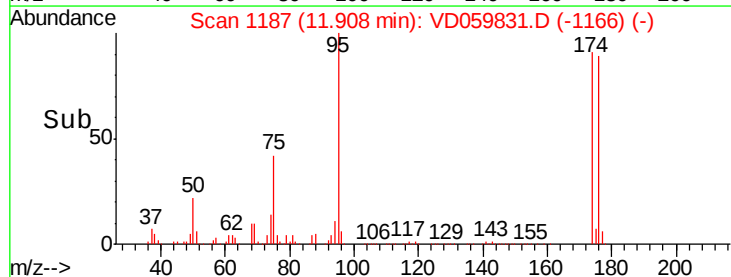
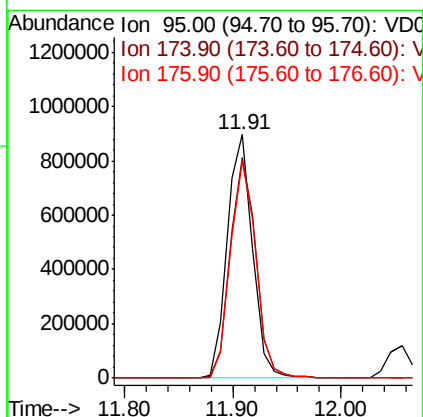
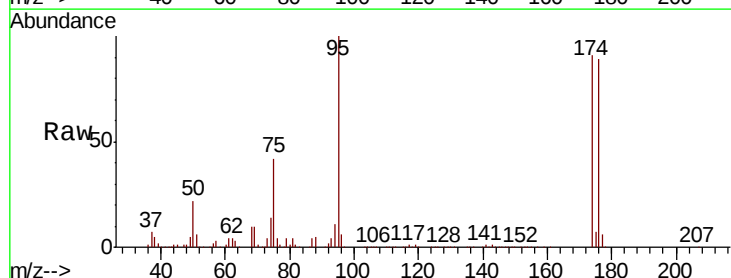
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

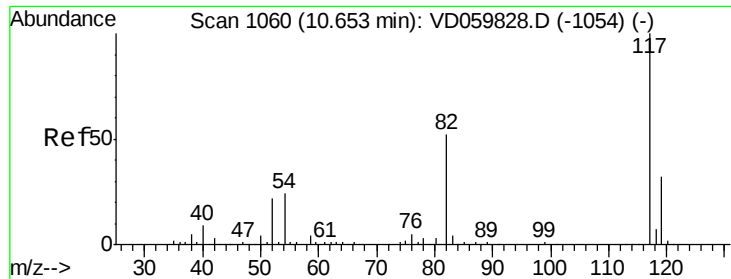
Tgt Ion: 107 Resp: 1217009
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 144.350 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 95 Resp: 1463733
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 169.2
 176 88.9 0.0 168.0

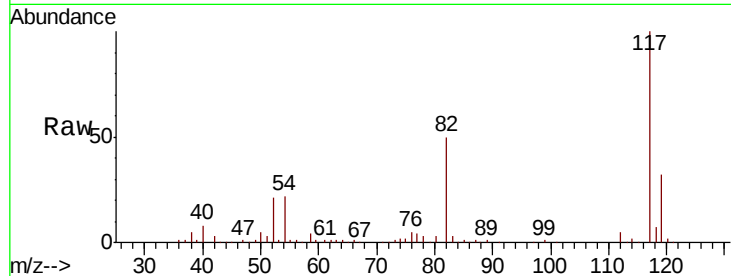




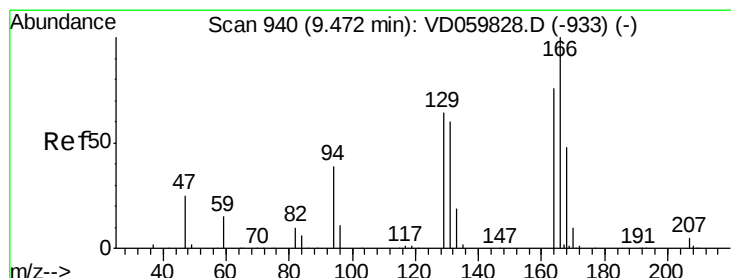
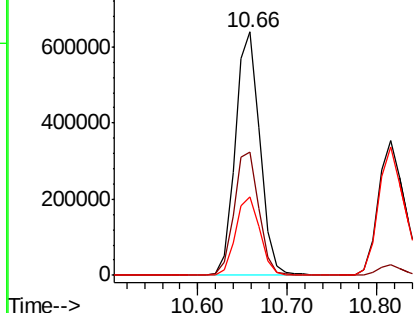
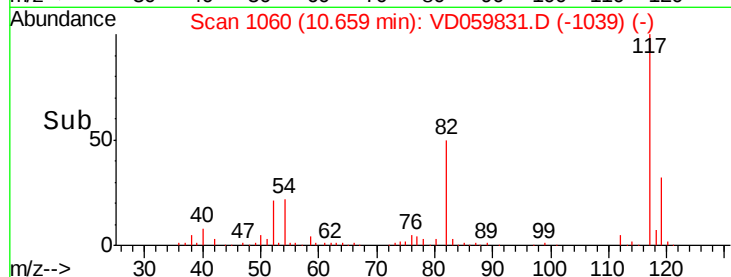
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1229263
Ion Ratio Lower Upper
117 100
82 50.4 41.6 62.4
119 32.4 25.6 38.4

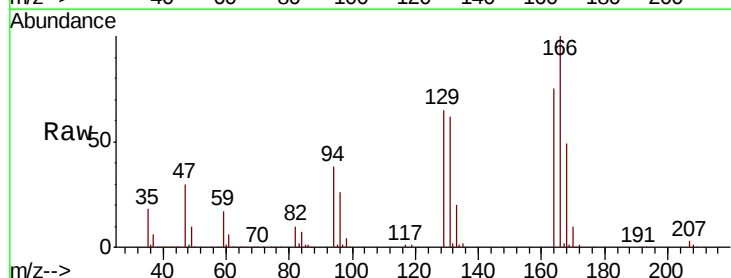


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

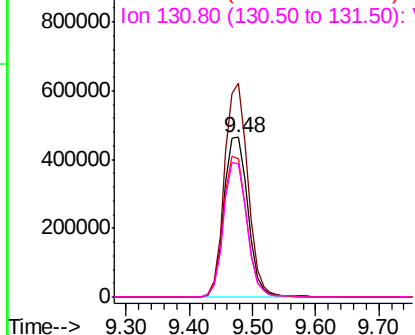
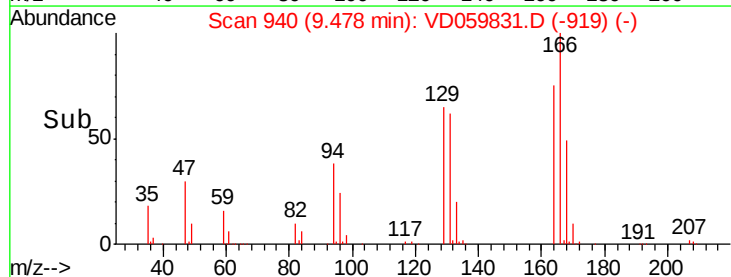


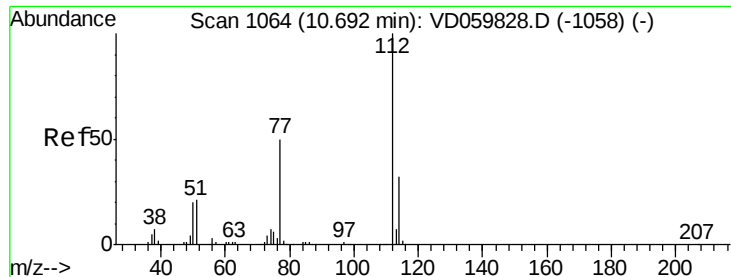
#64
Tetrachloroethene
Concen: 136.424 ug/l
RT: 9.48 min Scan# 940
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion:164 Resp: 1231591
Ion Ratio Lower Upper
164 100
166 133.5 104.9 157.3
129 86.8 66.7 100.1
131 83.2 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

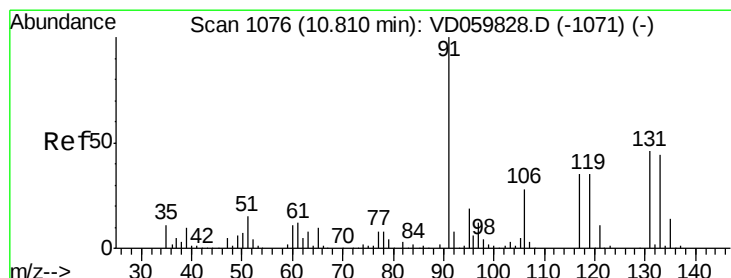
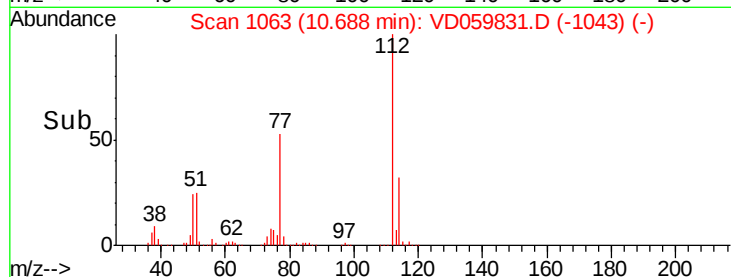
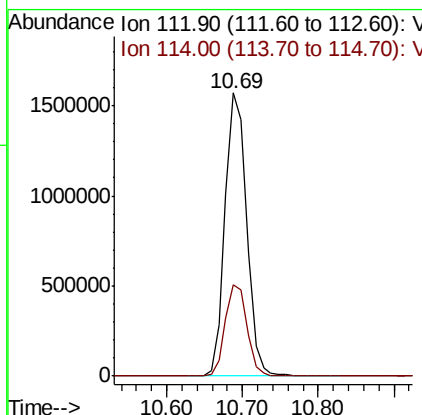
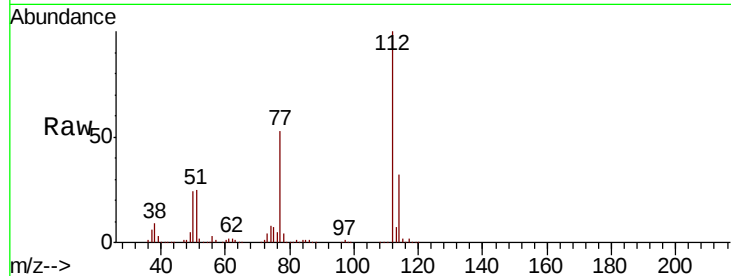




#65
Chlorobenzene
Concen: 130.294 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

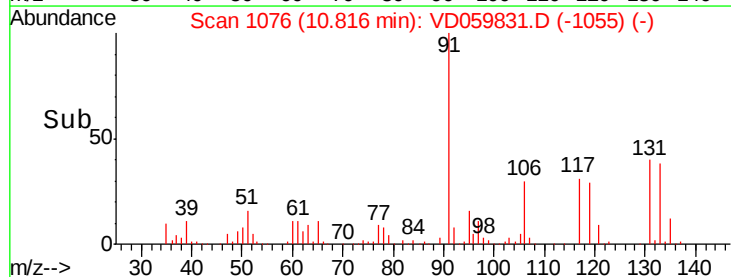
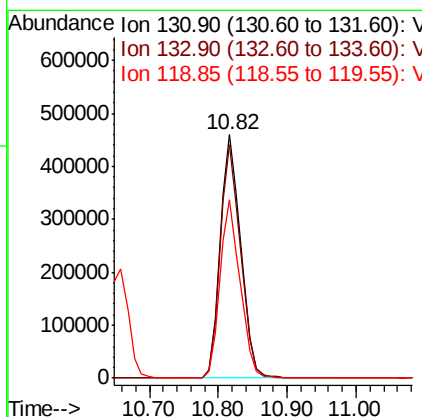
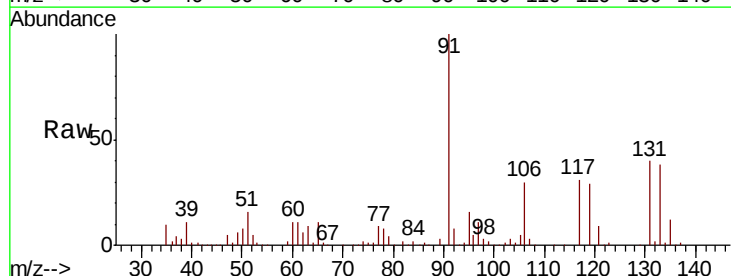
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

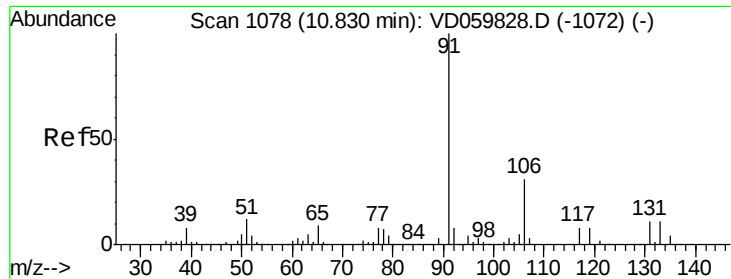
Tgt Ion:112 Resp: 3116148
Ion Ratio Lower Upper
112 100
114 32.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 114.430 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion:131 Resp: 945057
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.4
119 73.5 37.5 112.7

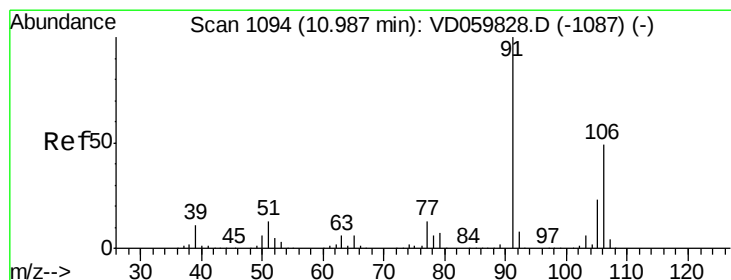
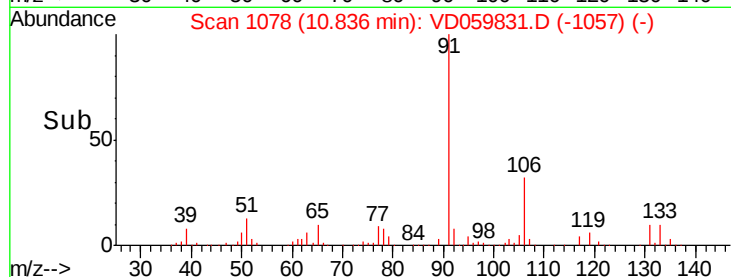
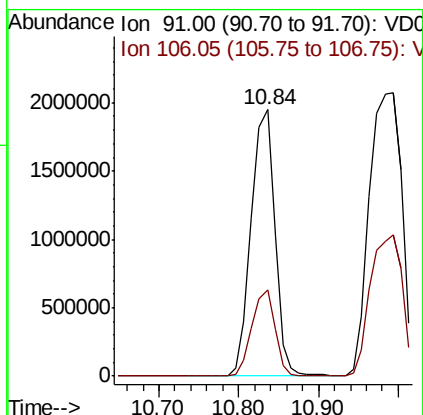
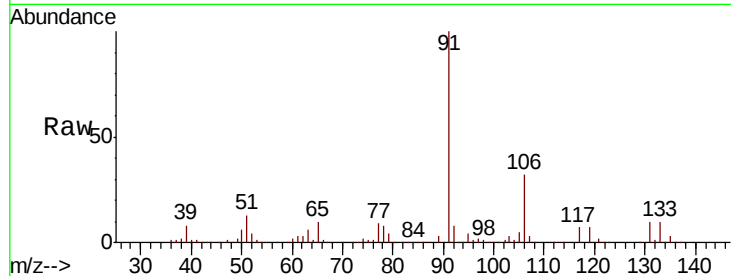




#67
Ethyl Benzene
Concen: 101.806 ug/l
RT: 10.84 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

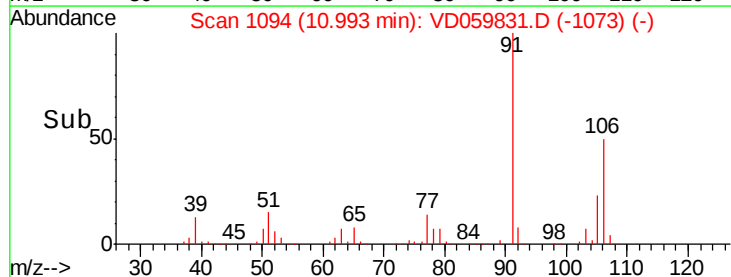
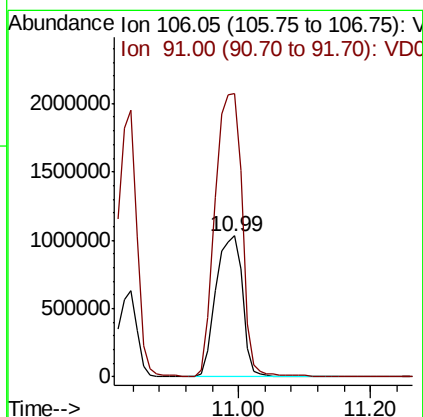
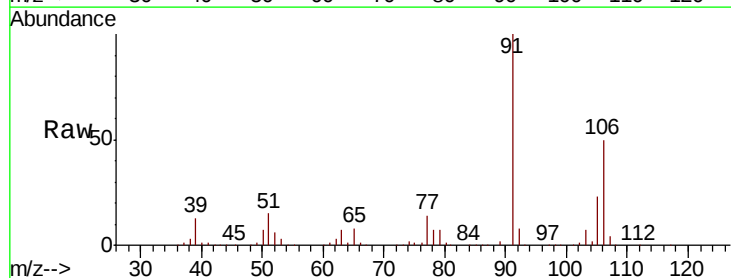
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

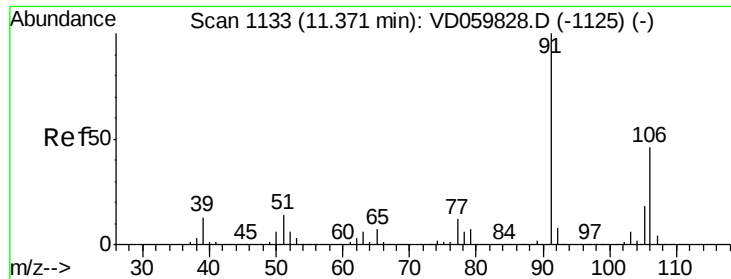
Tgt Ion: 91 Resp: 3993314
Ion Ratio Lower Upper
91 100
106 32.5 25.1 37.7



#68
m/p-Xylenes
Concen: 200.528 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 106 Resp: 2881179
Ion Ratio Lower Upper
106 100
91 201.1 161.8 242.8

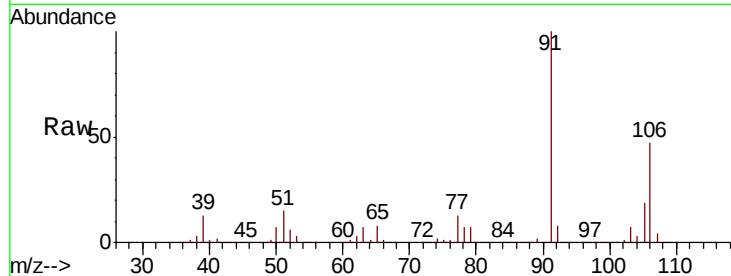




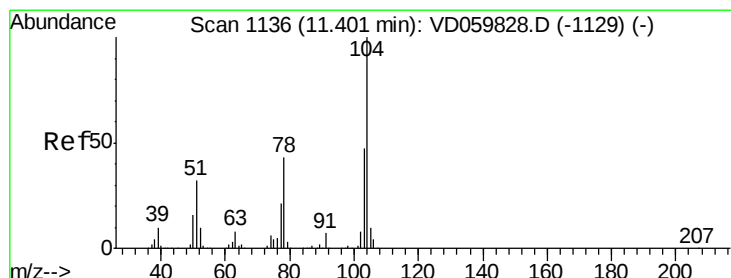
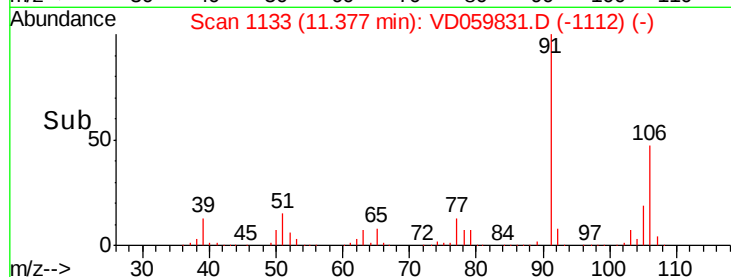
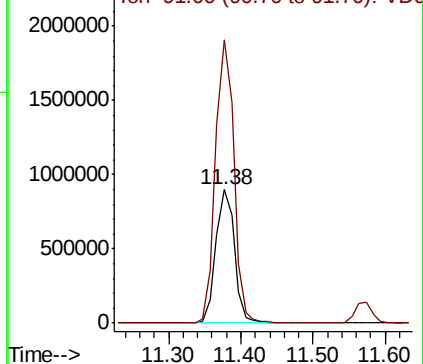
#69
o-Xylene
Concen: 112.998 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 1586271
Ion Ratio Lower Upper
106 100
91 212.0 108.5 325.3

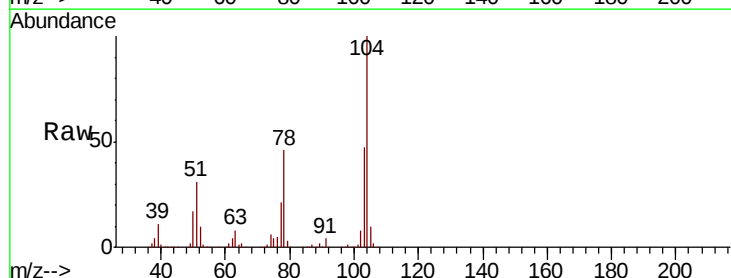


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

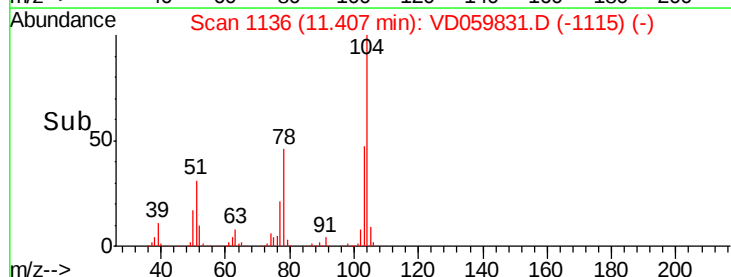
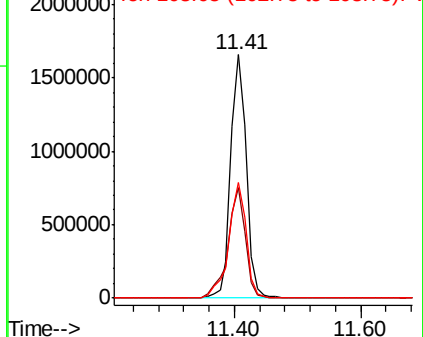


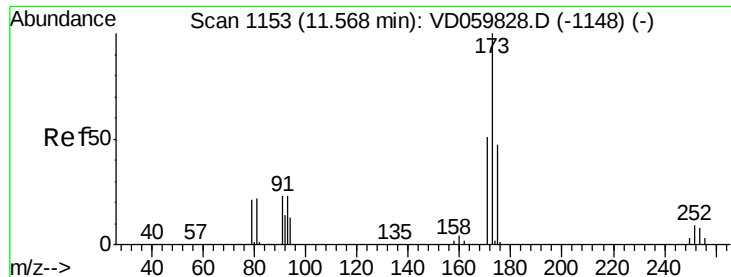
#70
Styrene
Concen: 115.651 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion:104 Resp: 2813672
Ion Ratio Lower Upper
104 100
78 45.5 34.6 52.0
103 47.3 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 149.808 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

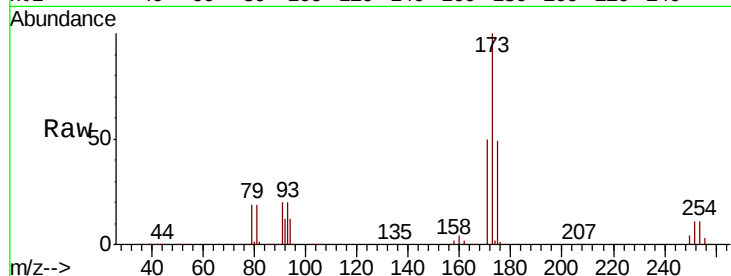
Tgt Ion:173 Resp: 1081426

Ion Ratio Lower Upper

173 100

175 48.8 23.7 71.1

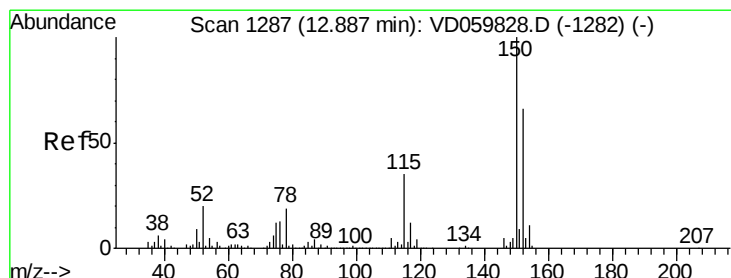
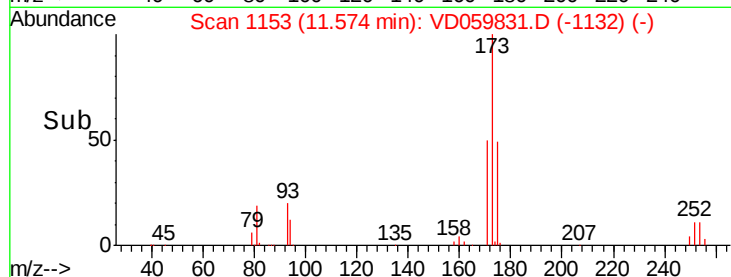
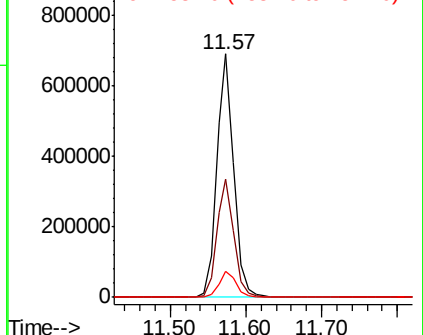
254 10.6 6.7 10.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

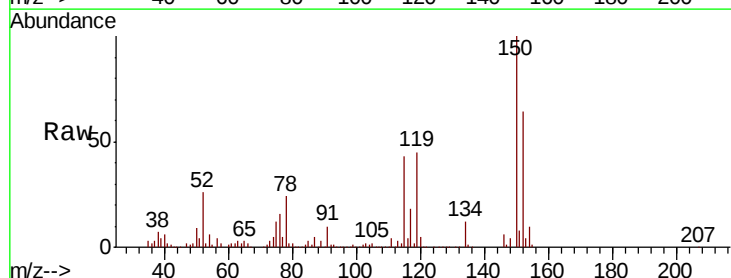
Tgt Ion:152 Resp: 498029

Ion Ratio Lower Upper

152 100

115 66.9 26.9 80.6

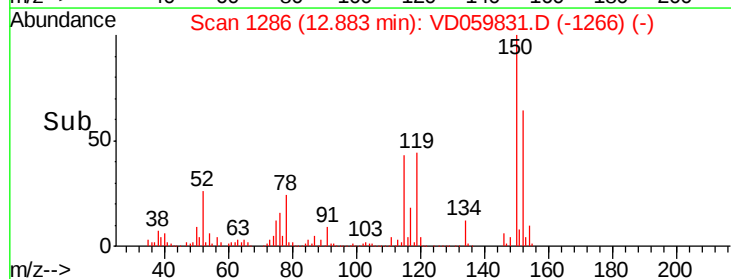
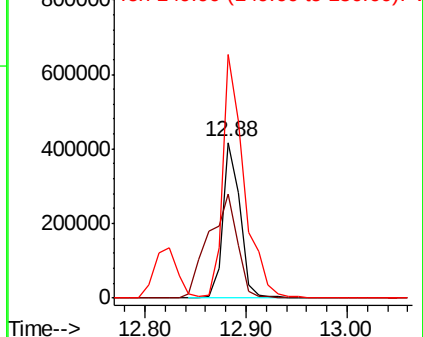
150 156.2 0.0 306.8

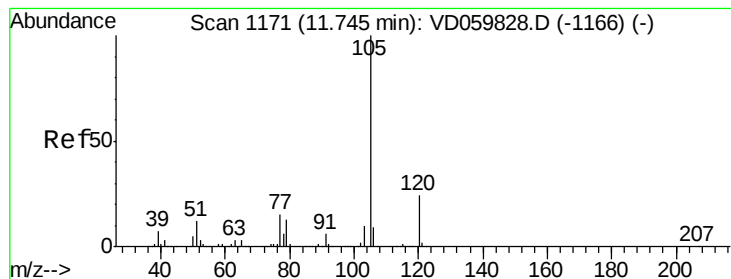


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 127.998 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

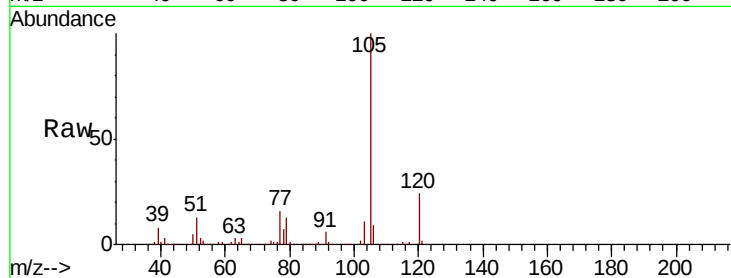
VSTDIC150

Tgt Ion:105 Resp: 4348147

Ion Ratio Lower Upper

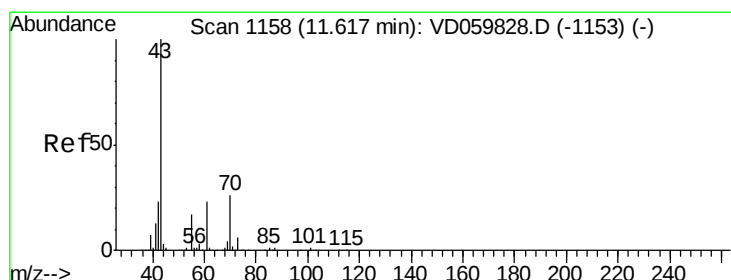
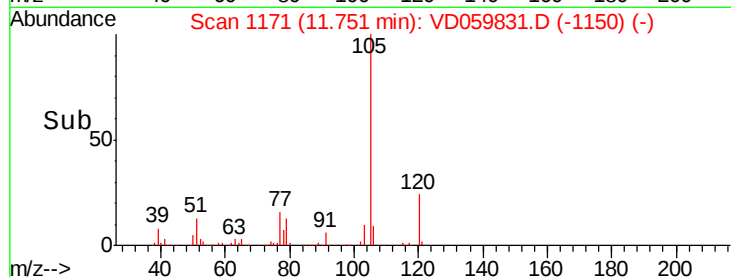
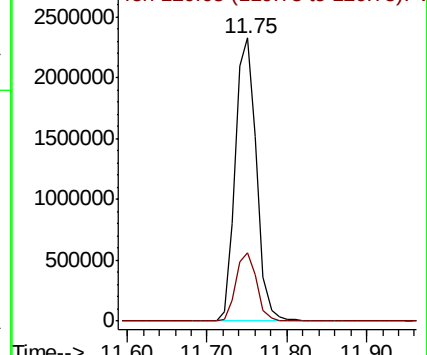
105 100

120 24.0 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 150.012 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Tgt Ion: 43 Resp: 2253233

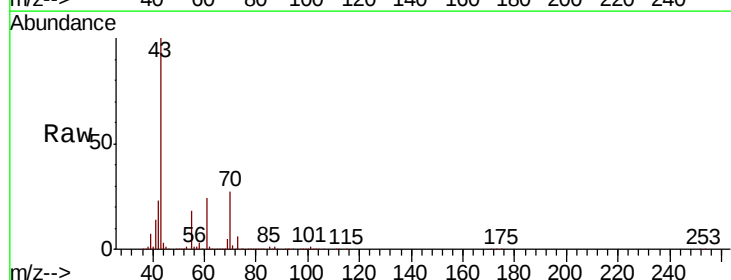
Ion Ratio Lower Upper

43 100

70 26.6 20.5 30.7

55 18.1 13.7 20.5

61 23.6 18.0 27.0

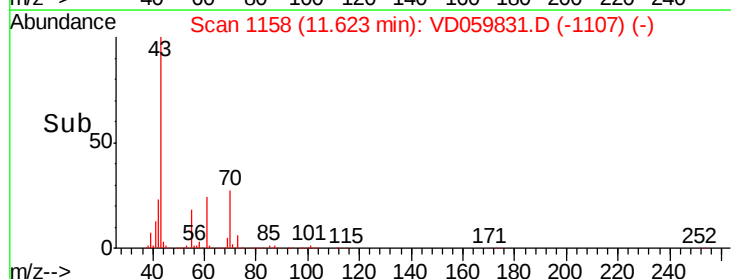
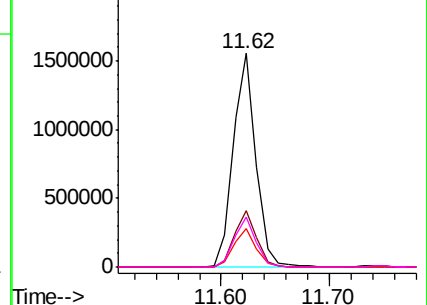


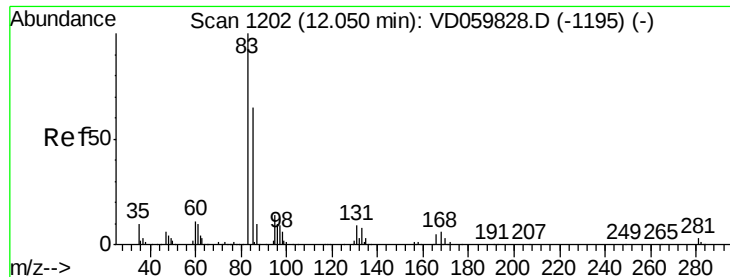
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

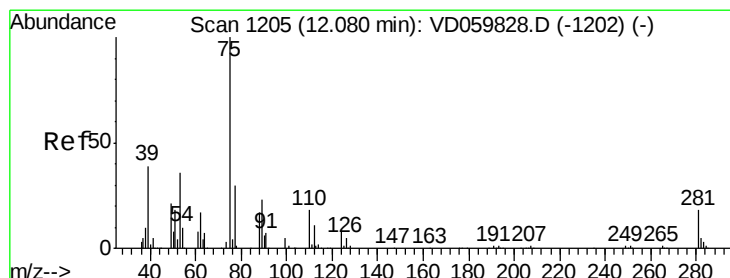
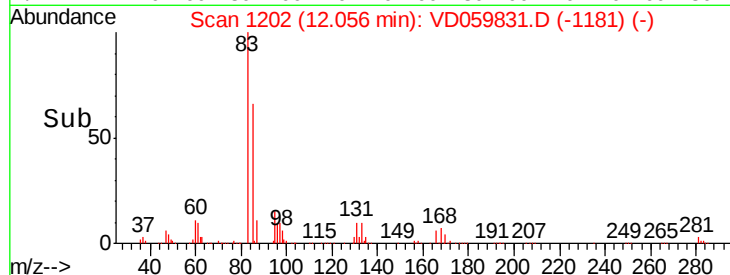
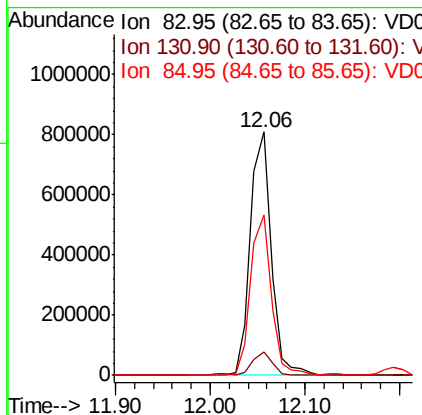
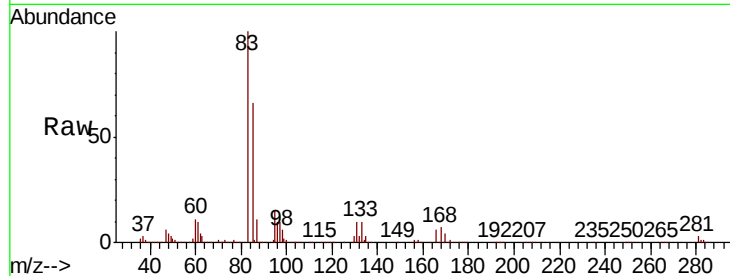




#75
 1,1,2,2-Tetrachloroethane
 Concen: 159.454 ug/l
 RT: 12.06 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

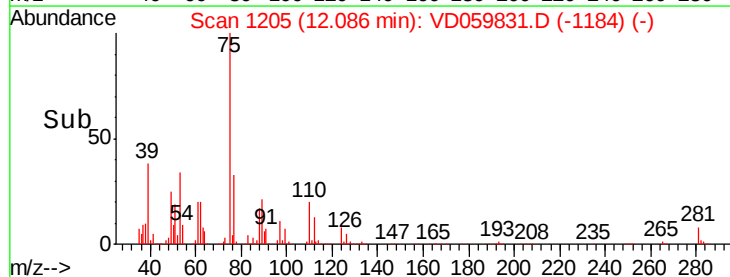
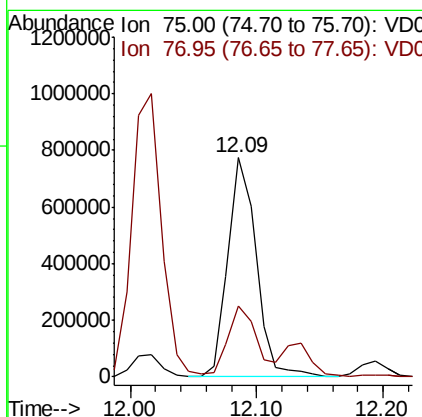
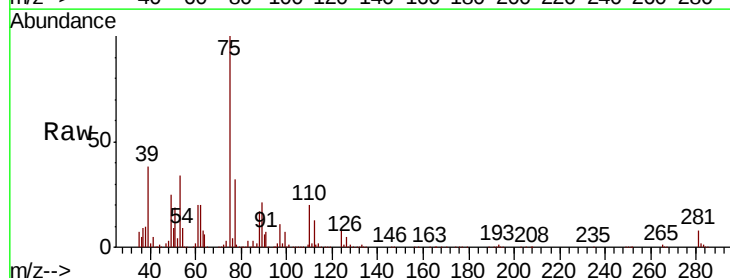
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

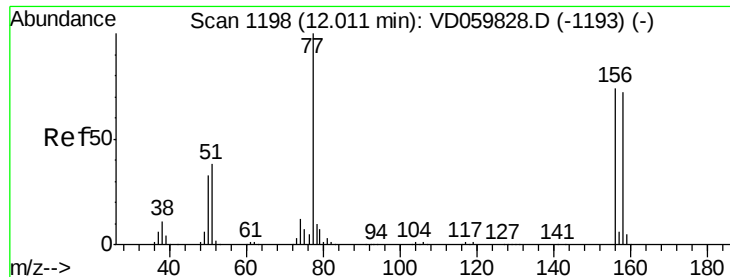
Tgt Ion: 83 Resp: 1245382
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.3 13.1
 85 65.8 32.5 97.5



#76
 1,2,3-Trichloropropane
 Concen: 146.099 ug/l
 RT: 12.09 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 75 Resp: 1189007
 Ion Ratio Lower Upper
 75 100
 77 32.5 16.0 47.9





#77

Bromobenzene

Concen: 133.954 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

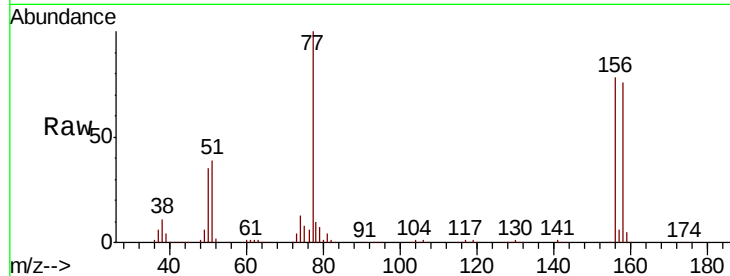
Tgt Ion:156 Resp: 1263330

Ion Ratio Lower Upper

156 100

77 128.0 68.0 204.0

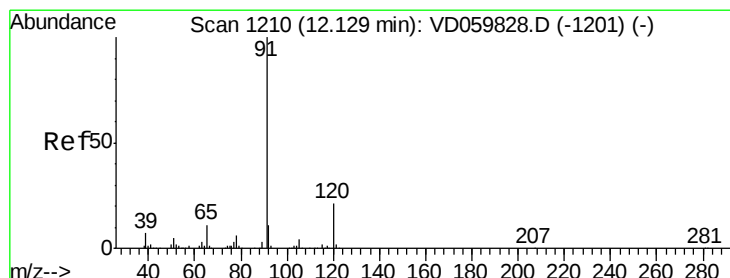
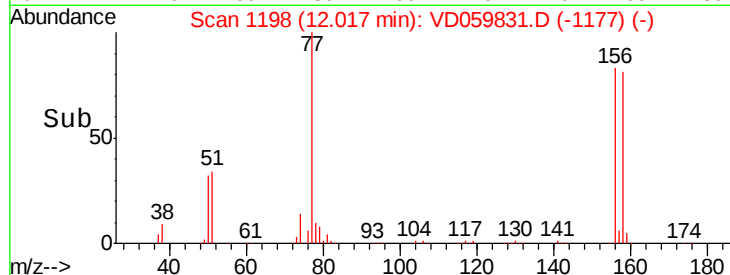
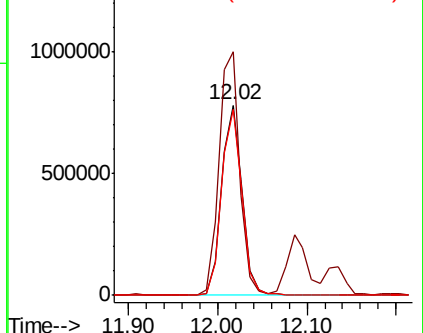
158 97.6 48.9 146.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 117.261 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VD059831.D

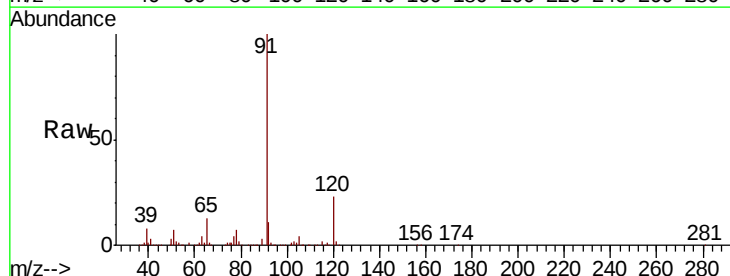
Acq: 20 Aug 2018 14:52

Tgt Ion: 91 Resp: 5004757

Ion Ratio Lower Upper

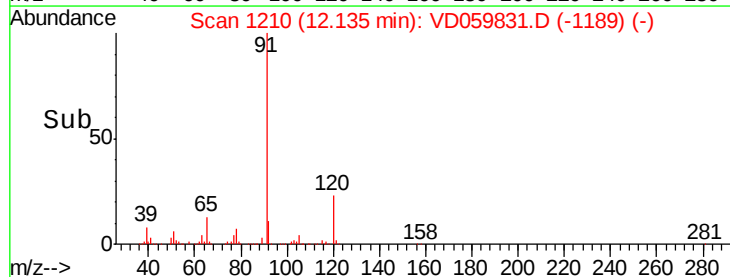
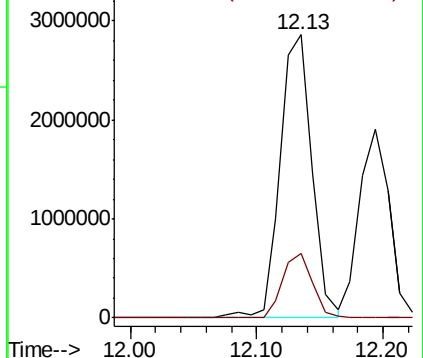
91 100

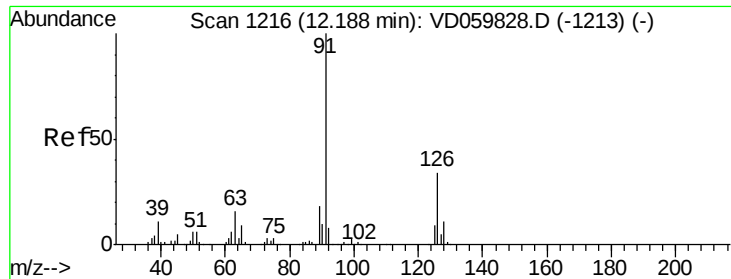
120 22.6 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

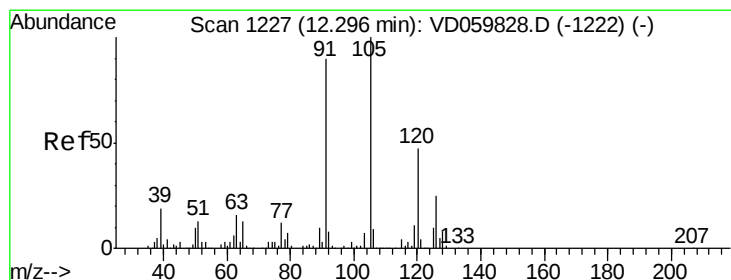
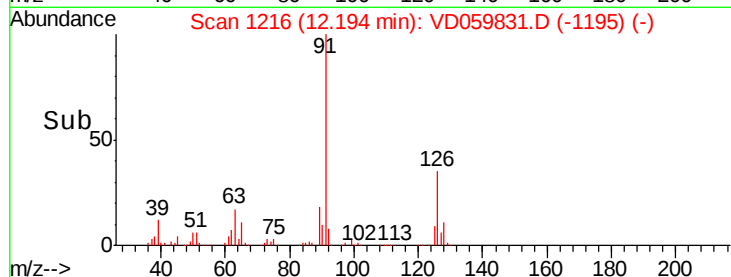
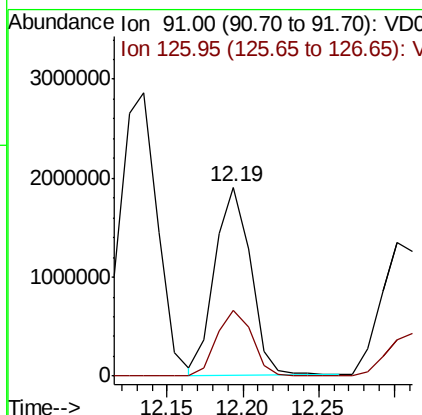
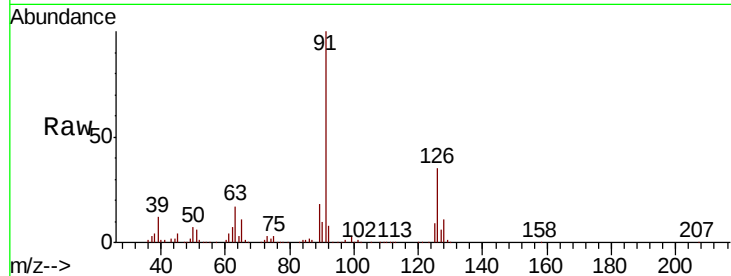




#79
 2-Chlorotoluene
 Concen: 128.096 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

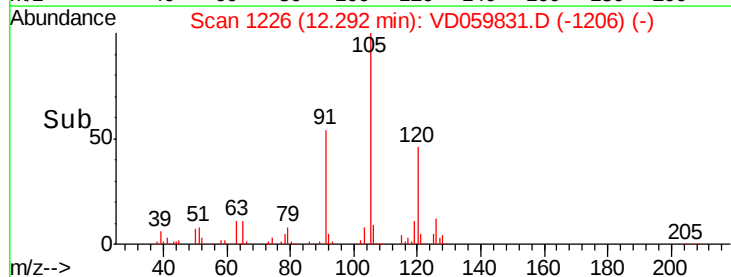
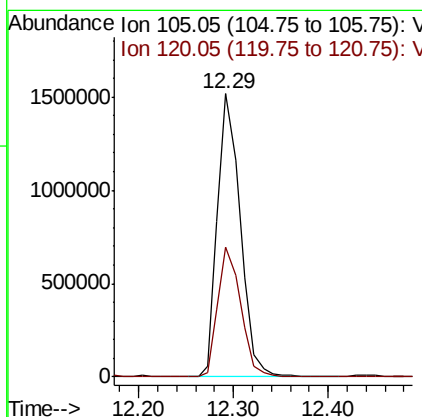
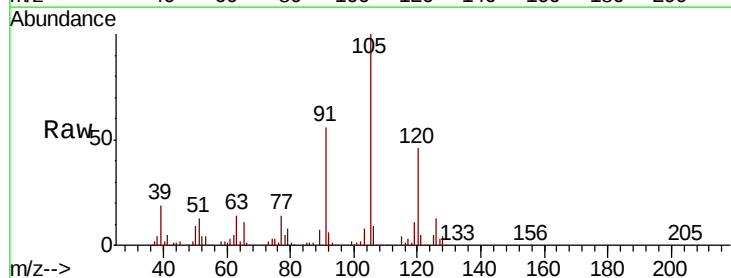
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

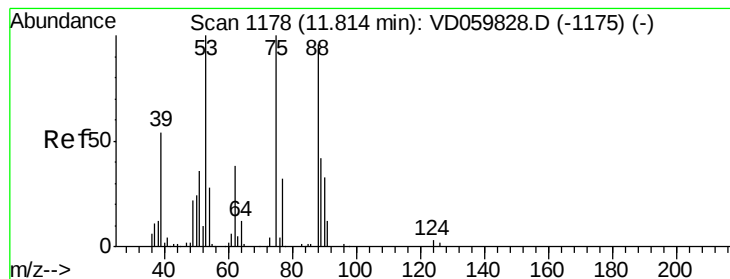
Tgt Ion: 91 Resp: 3121800
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 99.184 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 105 Resp: 2527165
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 162.628 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059831.D

Acq: 20 Aug 2018 14:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

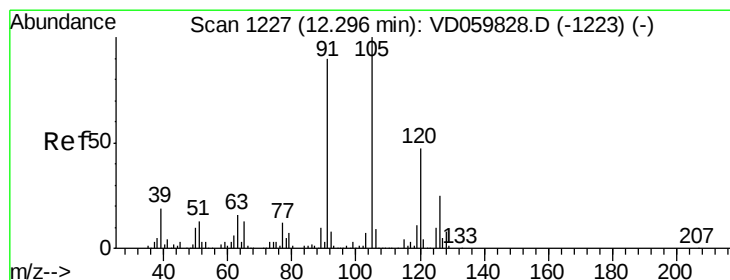
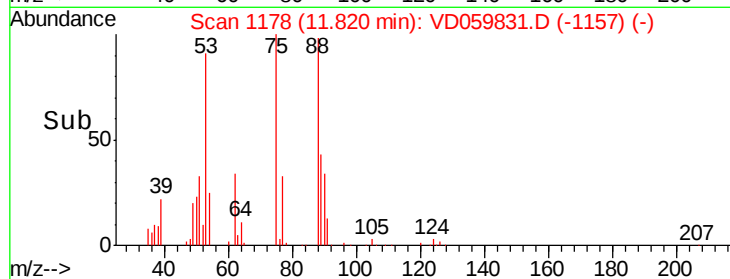
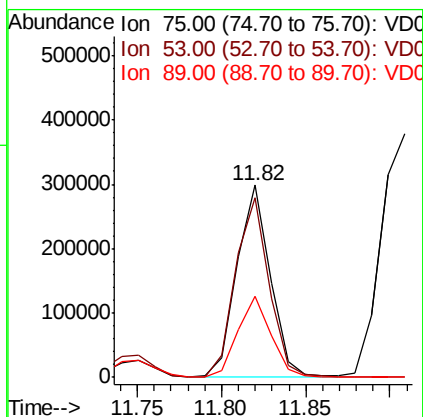
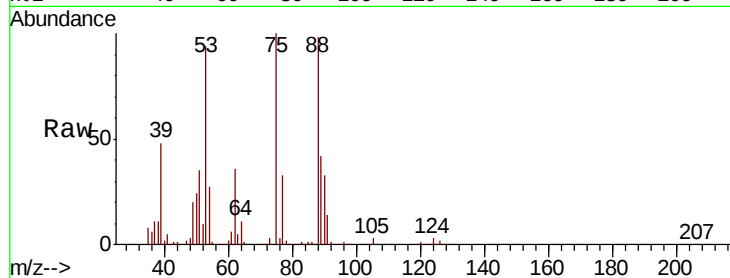
Tgt Ion: 75 Resp: 409392

Ion Ratio Lower Upper

75 100

53 93.7 80.7 121.1

89 42.5 33.9 50.9



#82

4-Chlorotoluene

Concen: 96.303 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059831.D

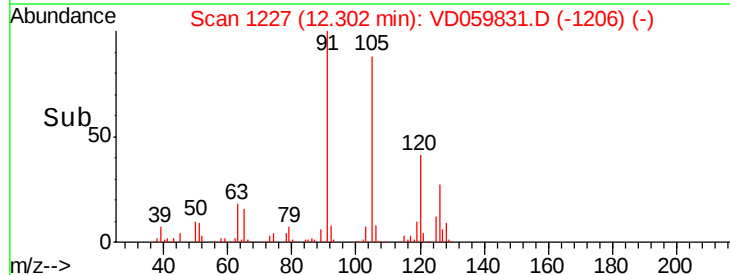
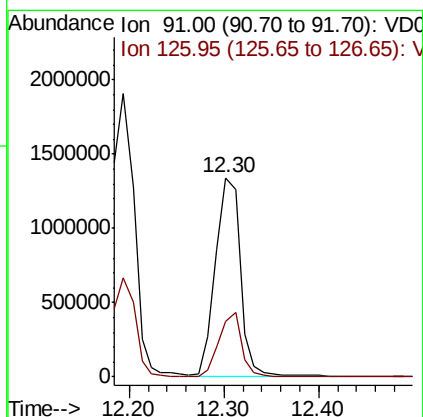
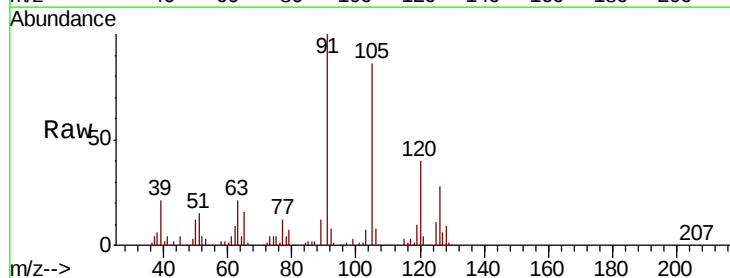
Acq: 20 Aug 2018 14:52

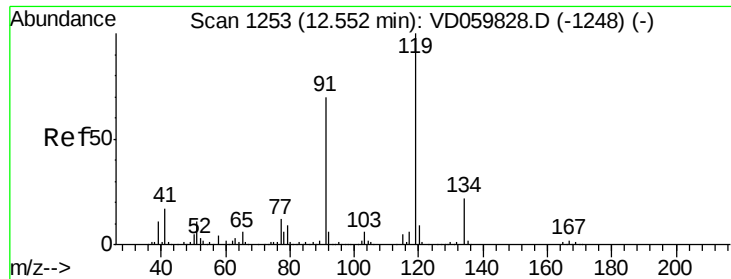
Tgt Ion: 91 Resp: 2440019

Ion Ratio Lower Upper

91 100

126 27.8 13.7 41.0

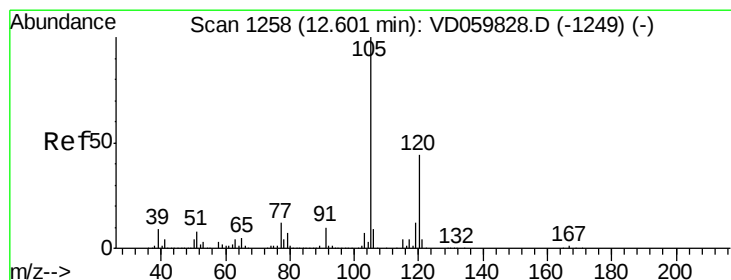
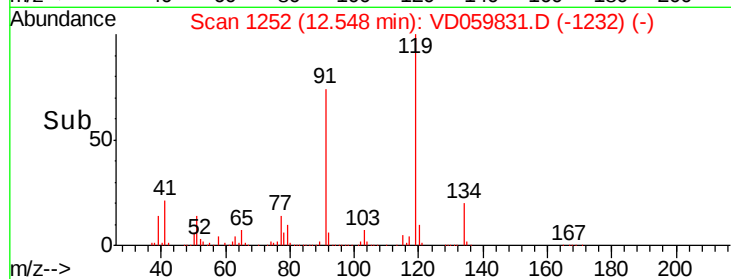
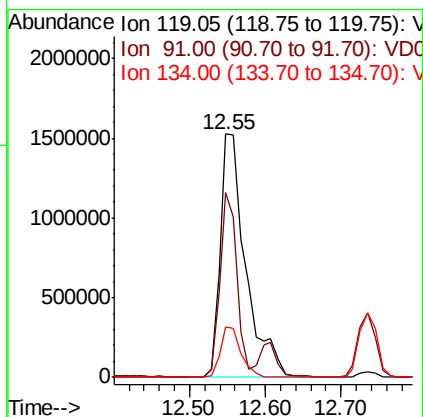
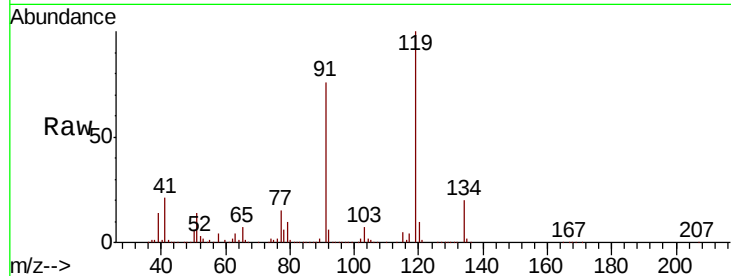




#83
 tert-Butylbenzene
 Concen: 120.186 ug/l
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

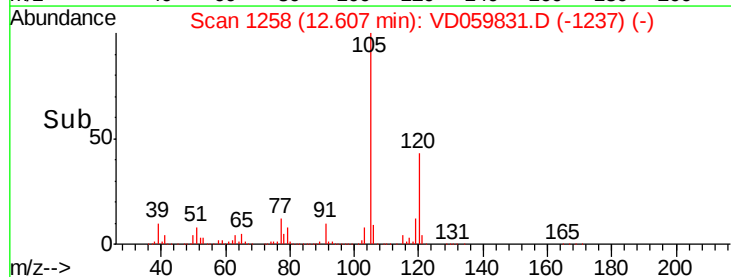
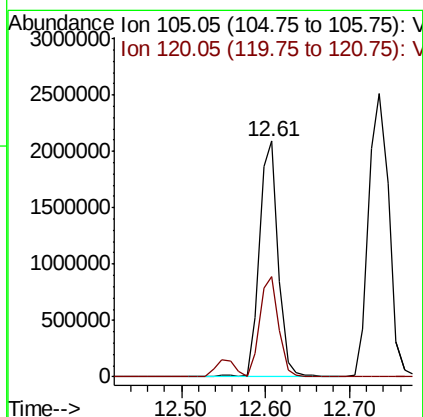
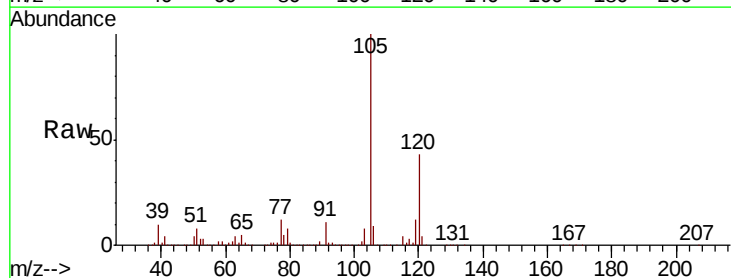
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

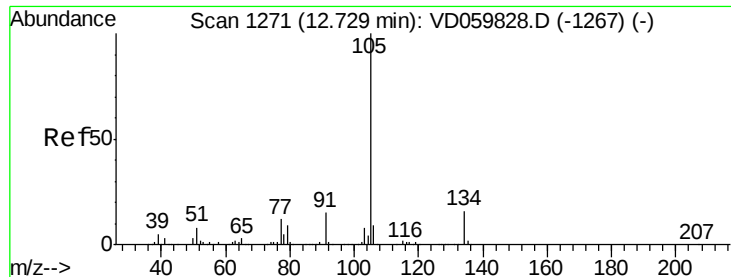
Tgt Ion:119 Resp: 3598785
 Ion Ratio Lower Upper
 119 100
 91 75.7 35.1 105.3
 134 20.4 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 116.689 ug/l
 RT: 12.61 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion:105 Resp: 3290818
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.0 66.0

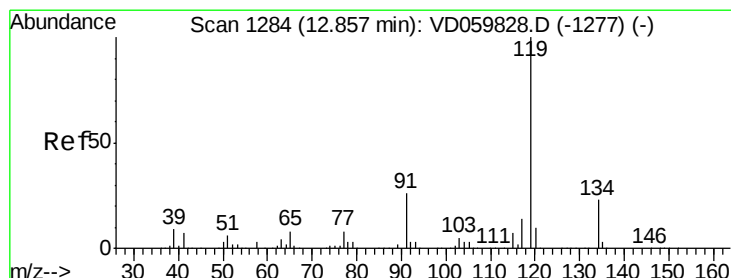
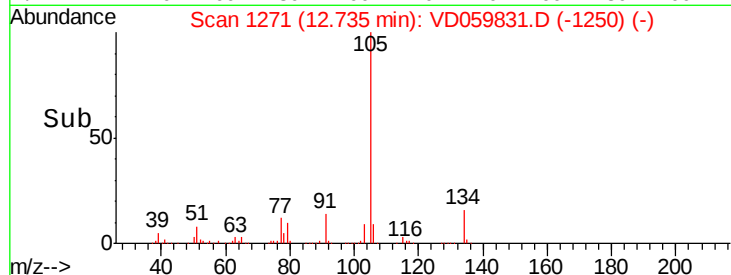
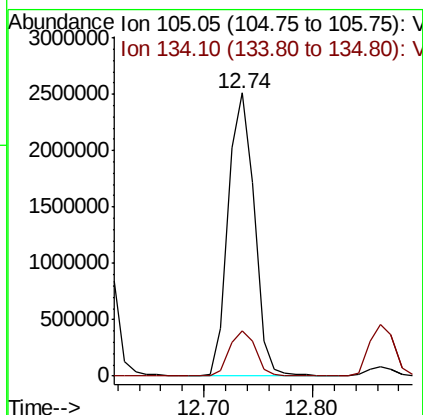
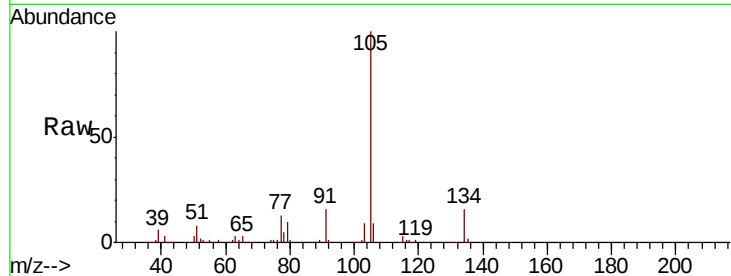




#85
 sec-Butylbenzene
 Concen: 116.105 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

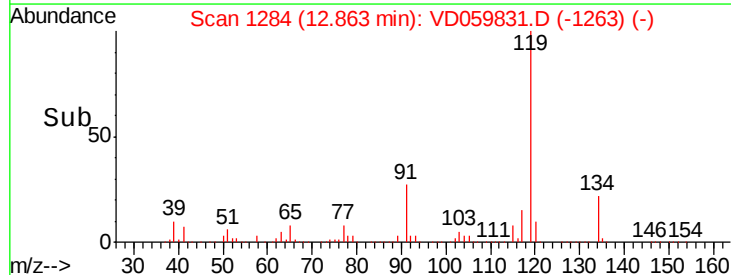
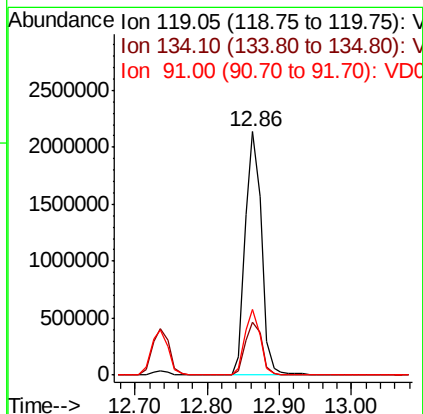
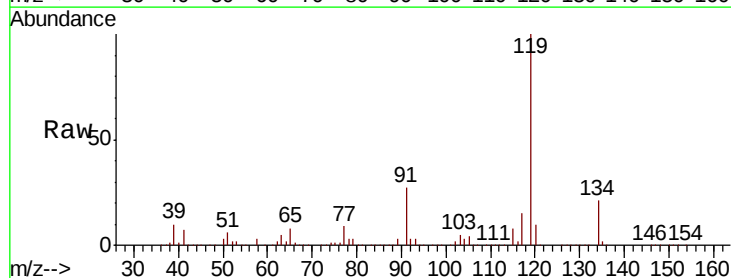
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

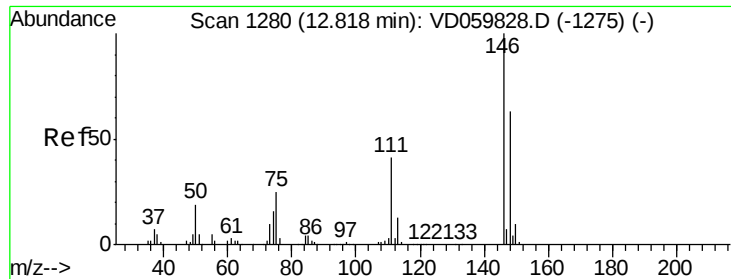
Tgt Ion:105 Resp: 4171231
 Ion Ratio Lower Upper
 105 100
 134 16.1 7.8 23.5



#86
 p-Isopropyltoluene
 Concen: 119.267 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion:119 Resp: 3363419
 Ion Ratio Lower Upper
 119 100
 134 21.5 11.5 34.5
 91 27.0 13.2 39.6

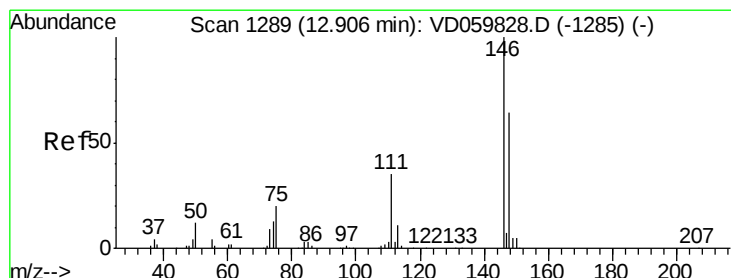
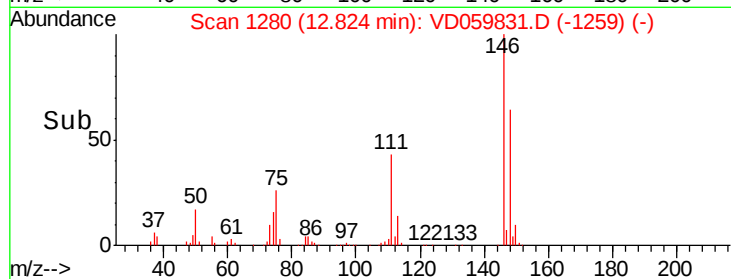
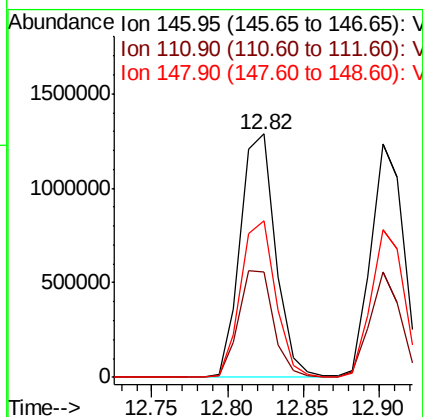
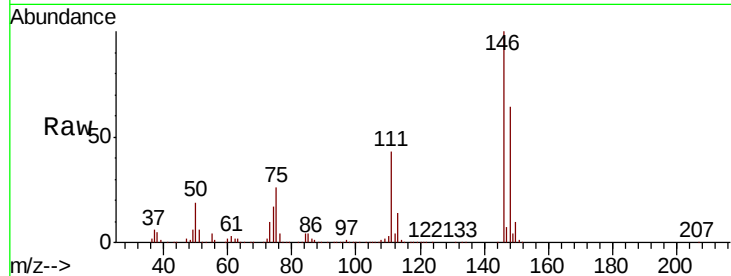




#87
 1,3-Dichlorobenzene
 Concen: 131.823 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

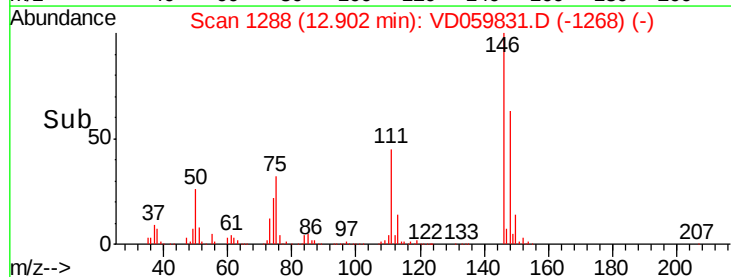
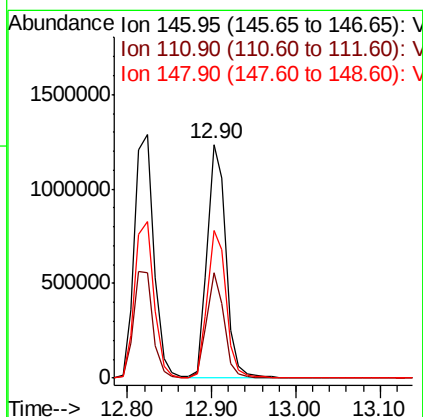
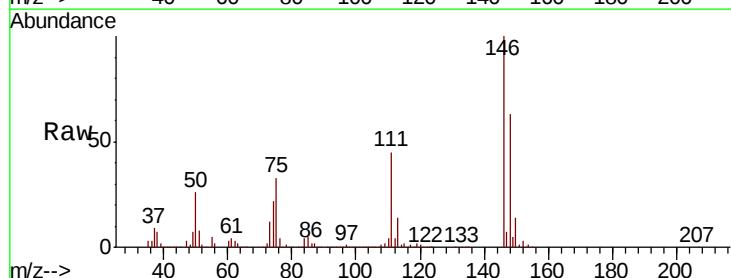
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

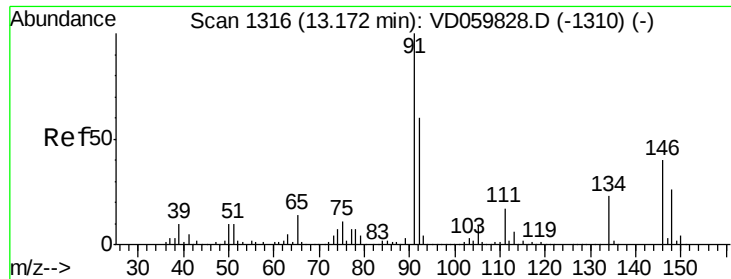
Tgt Ion:146 Resp: 2096271
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.3 60.9
 148 64.4 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 119.496 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion:146 Resp: 1911915
 Ion Ratio Lower Upper
 146 100
 111 45.0 17.8 53.3
 148 62.9 31.9 95.9

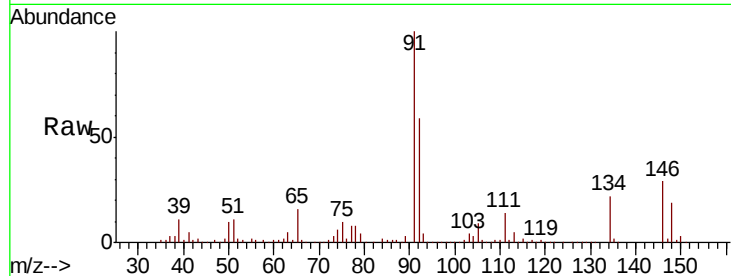




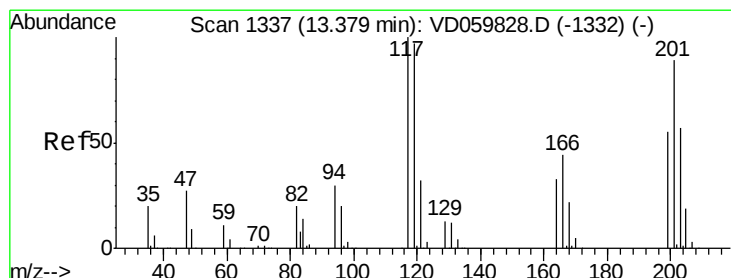
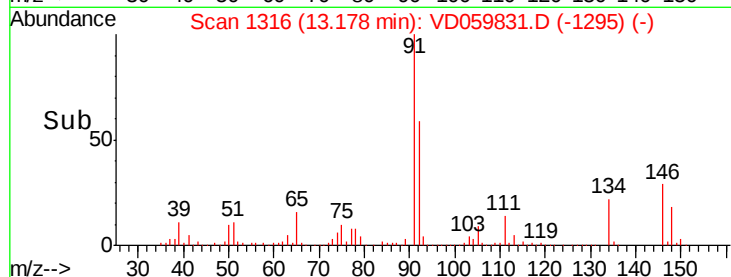
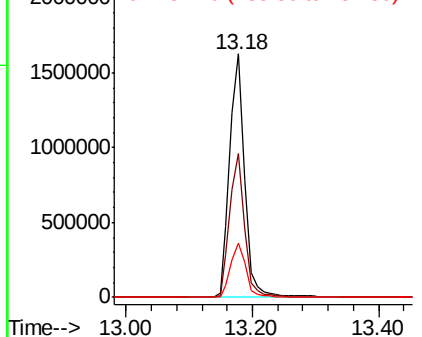
#89
n-Butylbenzene
Concen: 94.178 ug/l
RT: 13.18 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 2664311
Ion Ratio Lower Upper
91 100
92 59.1 29.8 89.5
134 22.5 11.5 34.4

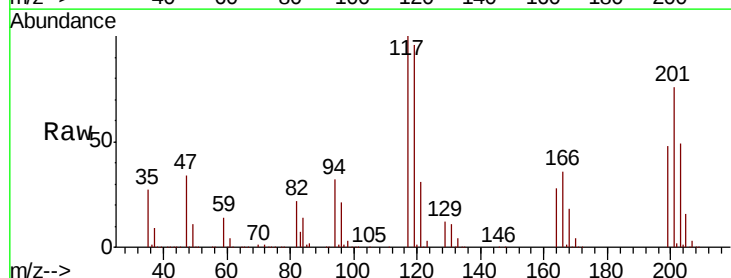


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

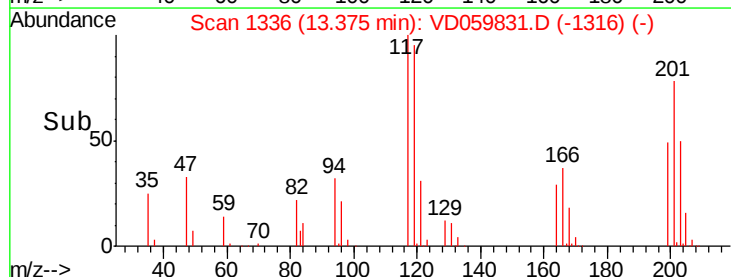
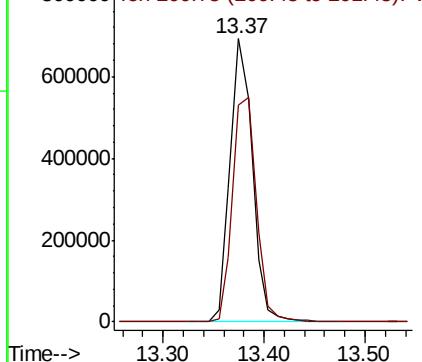


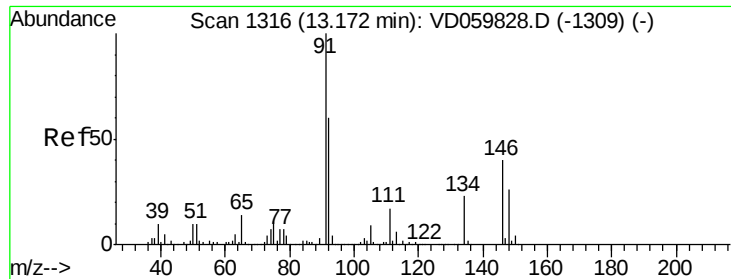
#90
Hexachloroethane
Concen: 134.403 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion: 117 Resp: 1070653
Ion Ratio Lower Upper
117 100
201 76.4 44.6 134.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

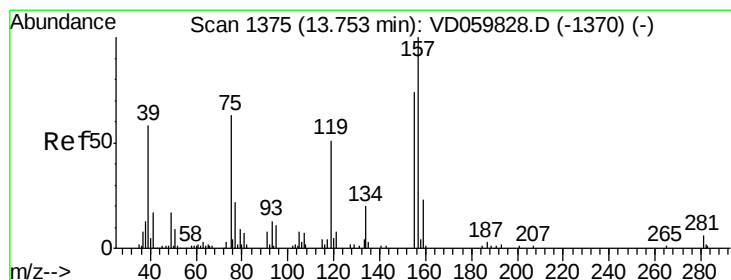
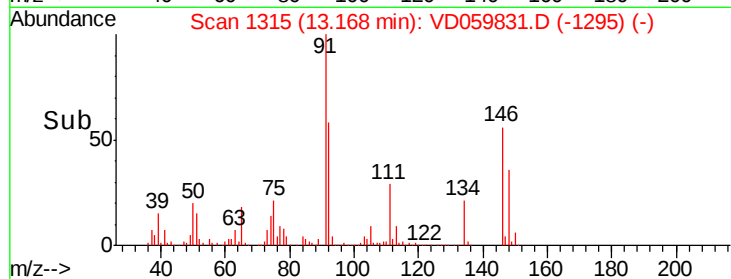
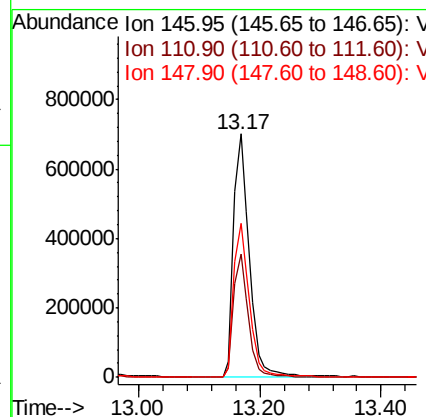
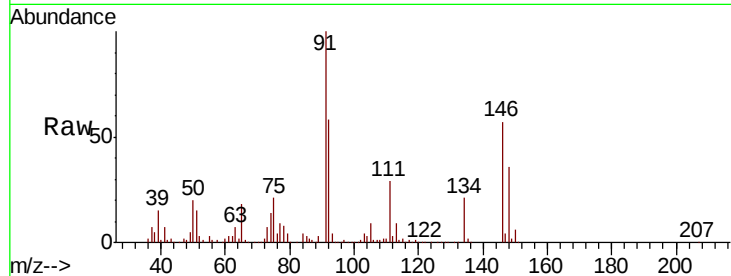




#91
 1,2-Dichlorobenzene
 Concen: 97.185 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

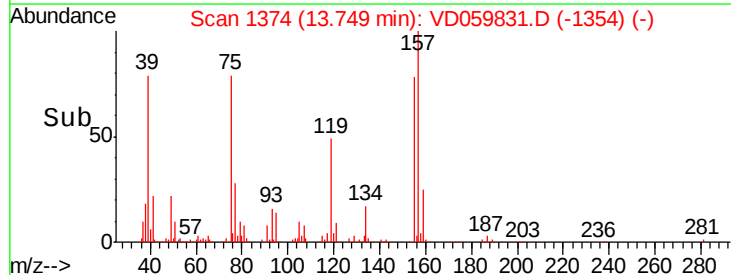
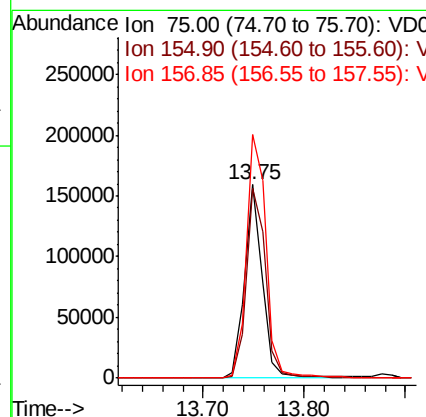
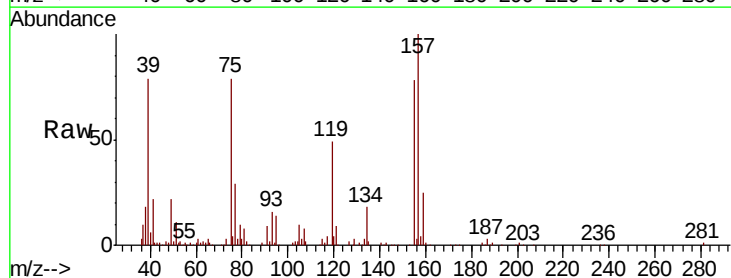
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

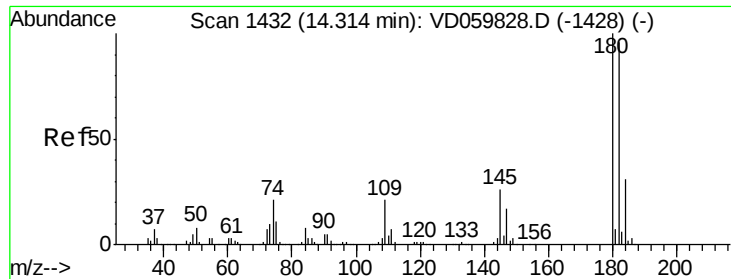
Tgt Ion:146 Resp: 1258297
 Ion Ratio Lower Upper
 146 100
 111 50.6 20.9 62.8
 148 63.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 165.554 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion: 75 Resp: 191557
 Ion Ratio Lower Upper
 75 100
 155 98.1 59.1 177.3
 157 126.1 79.7 238.9

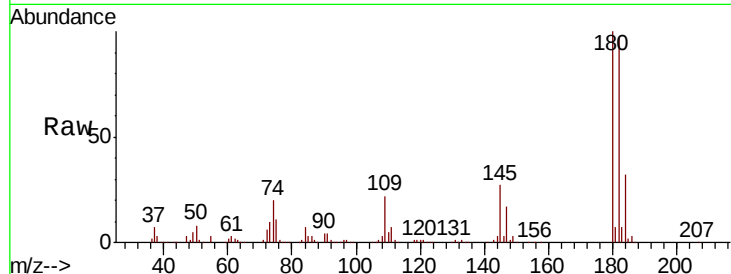




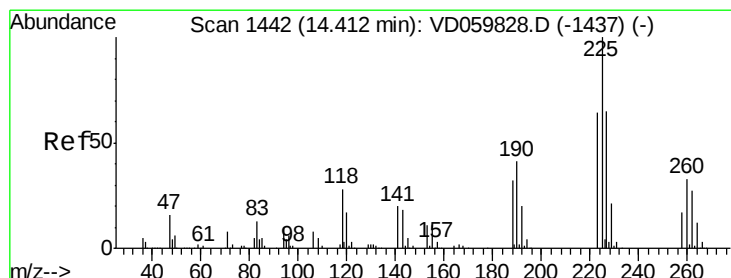
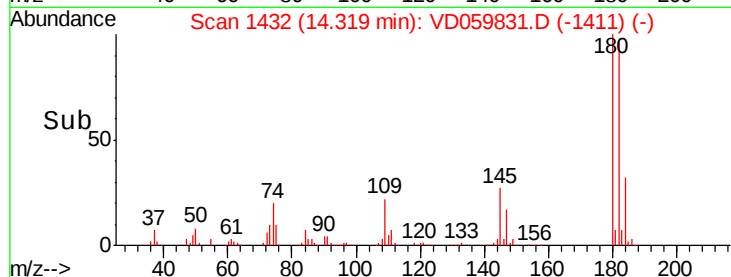
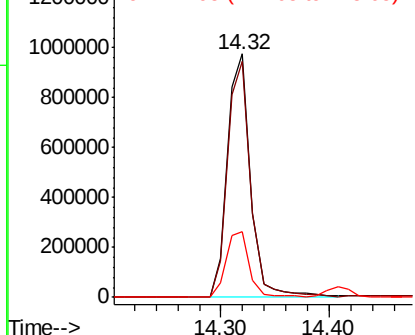
#93
 1,2,4-Trichlorobenzene
 Concen: 126.782 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1464912
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.0 144.0
 145 26.9 13.1 39.1

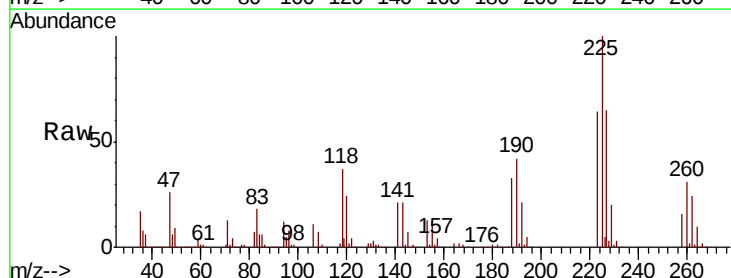


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

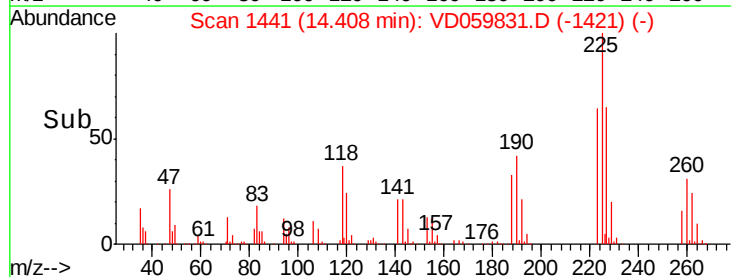
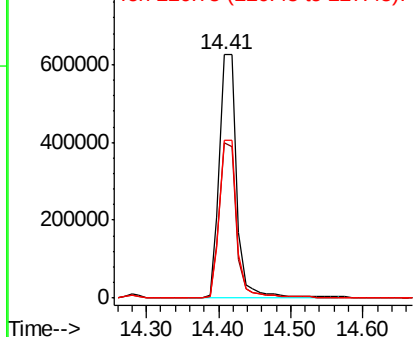


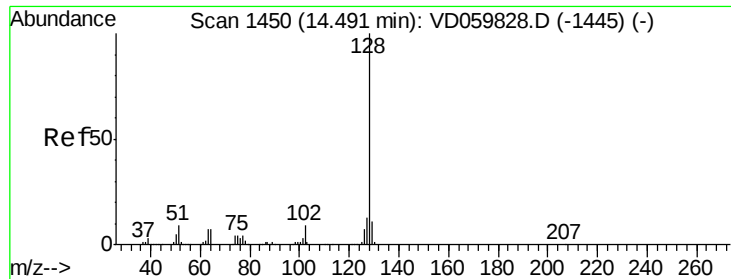
#94
 Hexachlorobutadiene
 Concen: 136.214 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059831.D
 Acq: 20 Aug 2018 14:52

Tgt Ion:225 Resp: 1045807
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.8 95.4
 227 64.6 32.8 98.3



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

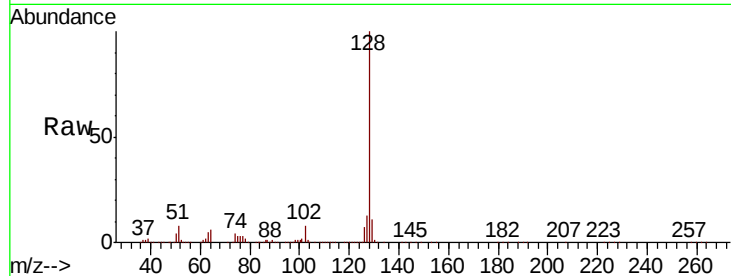




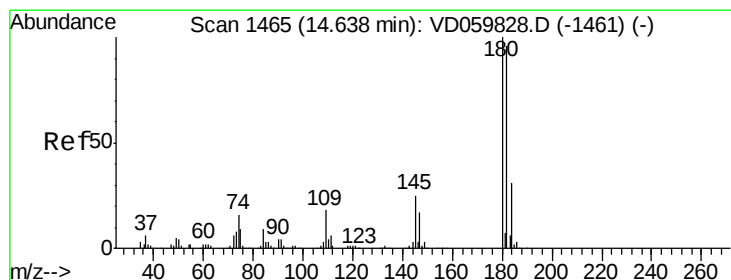
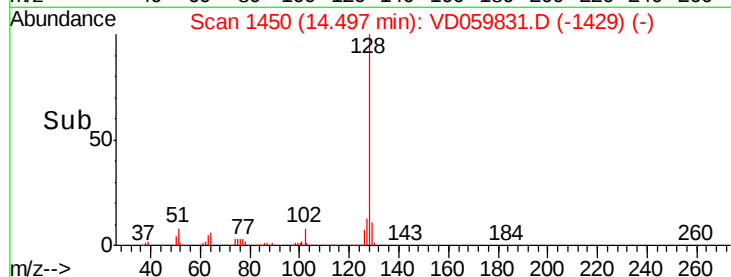
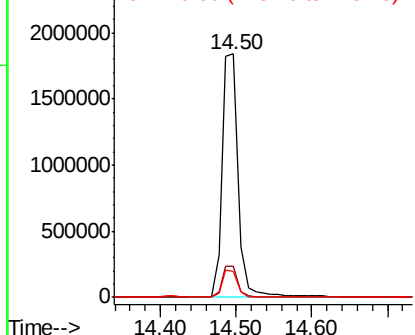
#95
Naphthalene
Concen: 148.752 ug/l
RT: 14.50 min Scan# 1450
Delta R.T. 0.01 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 2742102
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.9 8.7 13.1

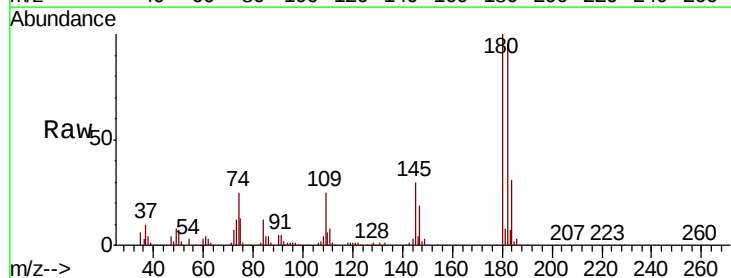


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 136.092 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059831.D
Acq: 20 Aug 2018 14:52

Tgt Ion:180 Resp: 1365108
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.4
145 29.7 12.7 38.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

