

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060289.D
 Acq On : 6 Nov 2018 13:28
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 06 13:51:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1601530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2254437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1748952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	863683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	1109916	98.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.04%	
35) Dibromofluoromethane	6.34	113	1637803	98.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.30%	
50) Toluene-d8	9.47	98	4696173	97.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.44%	
62) 4-Bromofluorobenzene	12.43	95	1651192	95.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	1213101	86.981	ug/l	98
3) Chloromethane	1.76	50	1353331	93.327	ug/l	99
4) Vinyl Chloride	1.86	62	1134742	93.083	ug/l	98
5) Bromomethane	2.16	94	197699	59.049	ug/l	99
6) Chloroethane	2.27	64	335678	76.540	ug/l	99
7) Trichlorofluoromethane	2.51	101	1307177	86.139	ug/l	98
8) Diethyl Ether	2.84	74	252588	87.942	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.10	101	873669	89.504	ug/l	98
10) Methyl Iodide	3.26	142	1177649	124.455	ug/l	99
11) Tert butyl alcohol	3.99	59	238670	487.239	ug/l	94
12) 1,1-Dichloroethene	3.08	96	690782	85.627	ug/l	98
13) Acrolein	2.99	56	259843	427.753	ug/l	97
14) Allyl chloride	3.55	41	1399646	91.300	ug/l	99
15) Acrylonitrile	4.11	53	1328616	494.712	ug/l	98
16) Acetone	3.17	43	921007	443.338	ug/l	97
17) Carbon Disulfide	3.33	76	2315236	88.440	ug/l	98
18) Methyl Acetate	3.57	43	414881	97.594	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	2264000	99.731	ug/l	100
20) Methylene Chloride	3.73	84	1560934	79.026	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	1669013	97.078	ug/l	94
22) Diisopropyl ether	4.87	45	5316652	95.269	ug/l	99
23) Vinyl Acetate	4.83	43	13122728	472.100	ug/l	100
24) 1,1-Dichloroethane	4.77	63	2764934	98.160	ug/l	100
25) 2-Butanone	5.64	43	1984820	502.948	ug/l	100
26) 2,2-Dichloropropane	5.60	77	2057903	93.053	ug/l	97
27) cis-1,2-Dichloroethene	5.61	96	1732256	96.957	ug/l	98
28) Bromochloromethane	5.94	49	1246339	99.463	ug/l	97
29) Tetrahydrofuran	5.97	42	1068832	515.171	ug/l	99
30) Chloroform	6.11	83	2774561	97.593	ug/l	99
31) Cyclohexane	6.38	56	2399248	90.275	ug/l	99
32) 1,1,1-Trichloroethane	6.31	97	2341334	99.887	ug/l	98
36) 1,1-Dichloropropene	6.54	75	2049807	94.053	ug/l	98
37) Ethyl Acetate	5.71	43	1015635	104.414	ug/l	99
38) Carbon Tetrachloride	6.52	117	1947235	98.037	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	2407022	98.223	ug/l	99
40) Benzene	6.81	78	5289413	94.058	ug/l	99
41) Methacrylonitrile	5.96	41	1145295	178.215	ug/l #	96
42) 1,2-Dichloroethane	6.91	62	1448314	99.356	ug/l	99
43) Isopropyl Acetate	8.37	43	1275269	101.571	ug/l #	98
44) Trichloroethene	7.76	130	1684691	98.024	ug/l	100
45) 1,2-Dichloropropane	8.12	63	1391358	99.193	ug/l	98
46) Dibromomethane	8.23	93	832909	103.556	ug/l	98
47) Bromodichloromethane	8.51	83	1945290	100.485	ug/l	98
48) Methyl methacrylate	8.26	41	785516	104.420	ug/l	96
49) 1,4-Dioxane	8.25	88	135291	2008.818	ug/l	91
51) 4-Methyl-2-Pentanone	9.36	43	3946411	498.006	ug/l	98
52) Toluene	9.57	92	3458734	97.197	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	1674994	104.293	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	2135412	101.900	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	970339	97.472	ug/l	98
56) Ethyl methacrylate	10.05	69	1014331	107.187	ug/l	97
57) 1,3-Dichloropropane	10.40	76	1563667	102.793	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	2764272	494.068	ug/l	98
59) 2-Hexanone	10.50	43	2874570	492.529	ug/l	98
60) Dibromochloromethane	10.65	129	1323313	104.865	ug/l	99
61) 1,2-Dibromoethane	10.77	107	1054747	104.427	ug/l	99
64) Tetrachloroethene	10.27	164	1477676	96.422	ug/l	99
65) Chlorobenzene	11.33	112	3572219	95.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	1164966	94.211	ug/l	97
67) Ethyl Benzene	11.44	91	5597584	87.472	ug/l	98
68) m/p-Xylenes	11.58	106	4203776	177.969	ug/l	96
69) o-Xylene	11.95	106	2098124	91.420	ug/l	88
70) Styrene	11.97	104	3463374	93.711	ug/l	99
71) Bromoform	12.13	173	905062	114.193	ug/l	99
73) Isopropylbenzene	12.28	105	5767057	94.683	ug/l	98
74) N-amyl acetate	12.15	43	1684844	108.978	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	1029371	104.717	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	1052052	107.293	ug/l	100
77) Bromobenzene	12.55	156	1609732	98.950	ug/l	98
78) n-propylbenzene	12.65	91	6902346	90.136	ug/l	97
79) 2-Chlorotoluene	12.72	91	3974602	94.055	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	4412906	93.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	318696	120.416	ug/l	100
82) 4-Chlorotoluene	12.83	91	4224611	89.603	ug/l	85
83) tert-Butylbenzene	13.05	119	4902433	93.169	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	4455104	92.747	ug/l	98
85) sec-Butylbenzene	13.23	105	6076263	94.668	ug/l	99
86) p-Isopropyltoluene	13.35	119	4736141	92.843	ug/l	95
87) 1,3-Dichlorobenzene	13.32	146	2785246	95.911	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	2723563	96.167	ug/l	95
89) n-Butylbenzene	13.65	91	4409975	84.418	ug/l	98
90) Hexachloroethane	13.87	117	1325986	106.754	ug/l	88
91) 1,2-Dichlorobenzene	13.67	146	2062484	87.080	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	133403	110.615	ug/l	78

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QLast Update : Tue Nov 06 13:45:11 2018
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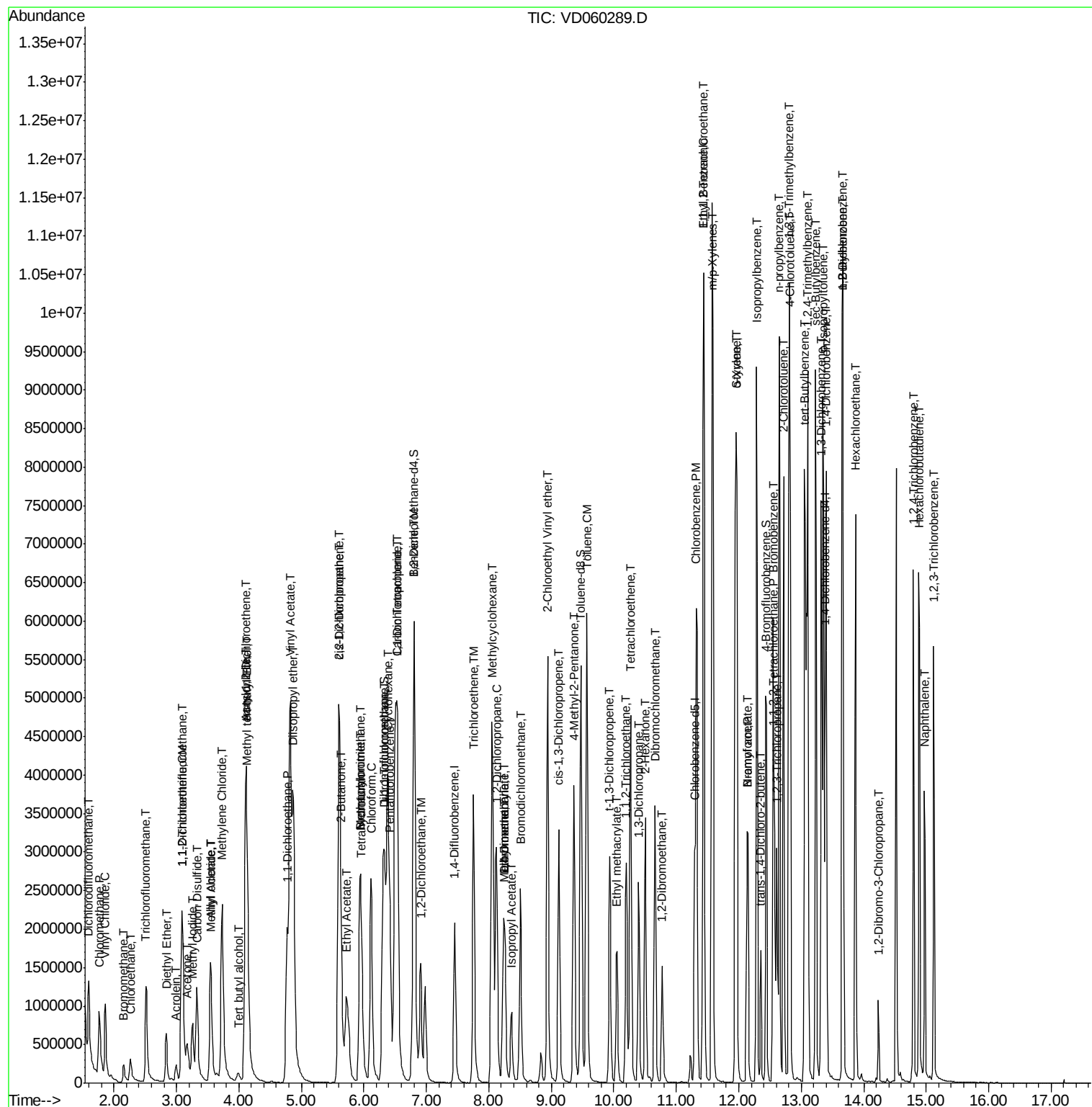
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1888721	102.793	ug/l	96
94) Hexachlorobutadiene	14.89	225	1380912	101.762	ug/l	99
95) Naphthalene	14.97	128	2456632	107.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	1579975	106.504	ug/l	96

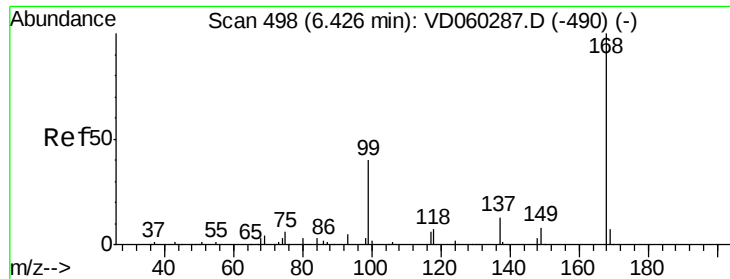
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 7 Sample Multiplier: 1

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 MSVOA_D
 ClientSampleId :
 VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

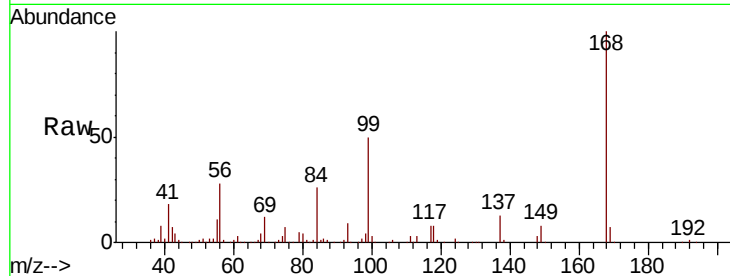
VSTDIC100

Tot Ion:168 Resp: 1601530

Ion Ratio Lower Upper

168 100

99 50.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

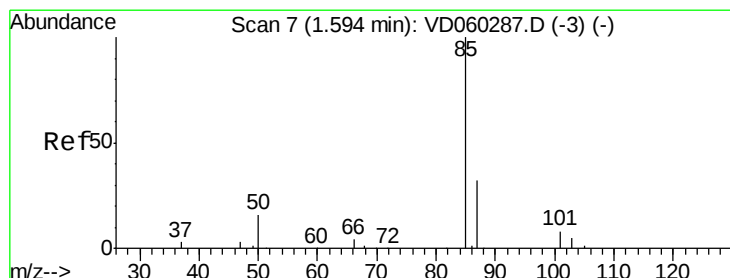
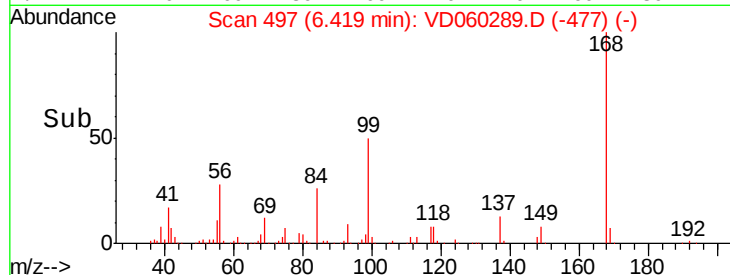
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 86.981 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060289.D

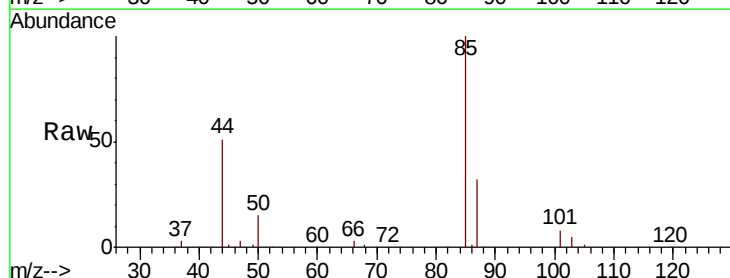
Acq: 6 Nov 2018 13:28

Tgt Ion: 85 Resp: 1213101

Ion Ratio Lower Upper

85 100

87 32.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

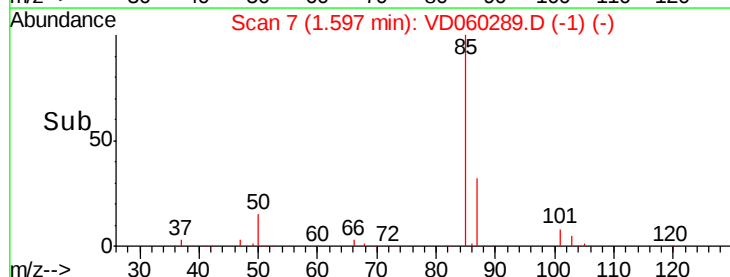
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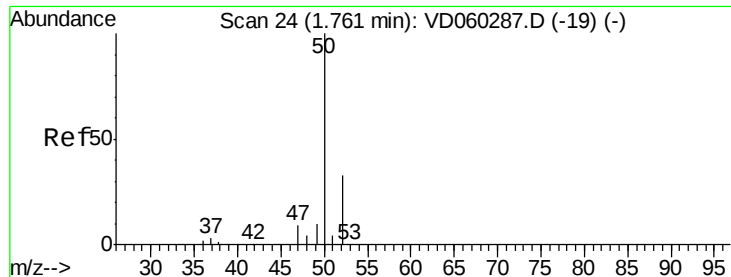
400000

200000

0

Time-->





#3

Chloromethane

Concen: 93.327 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

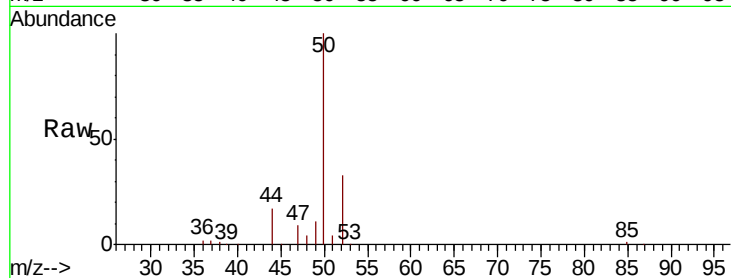
VSTDIC100

Tot Ion: 50 Resp: 1353331

Ion Ratio Lower Upper

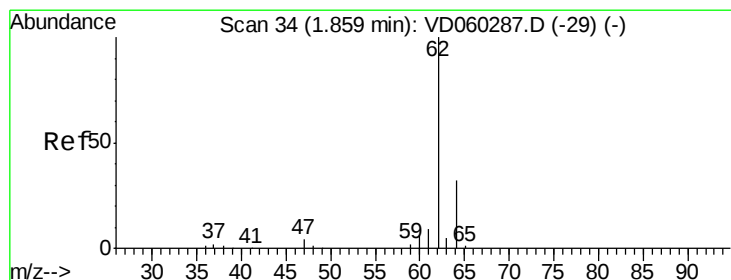
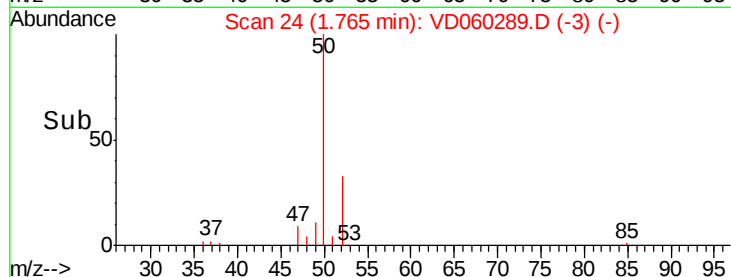
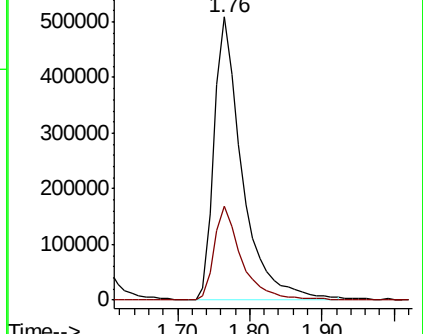
50 100

52 33.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 93.083 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060289.D

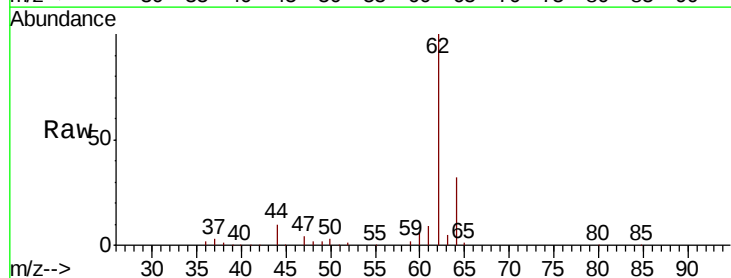
Acq: 6 Nov 2018 13:28

Tgt Ion: 62 Resp: 1134742

Ion Ratio Lower Upper

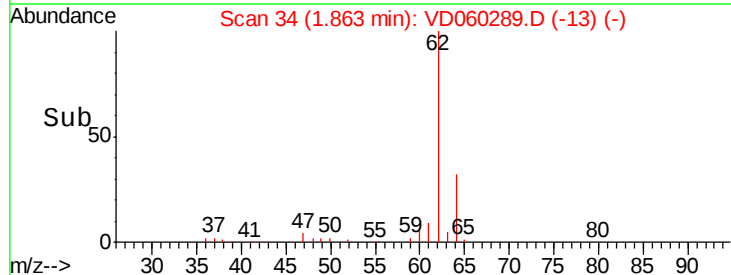
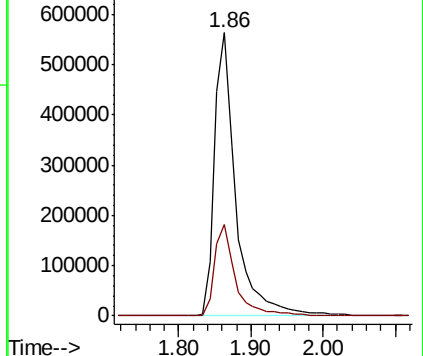
62 100

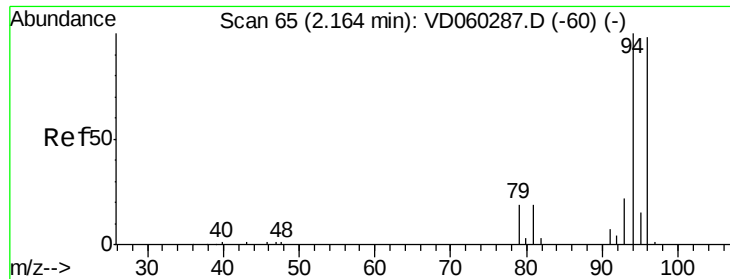
64 32.3 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.049 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

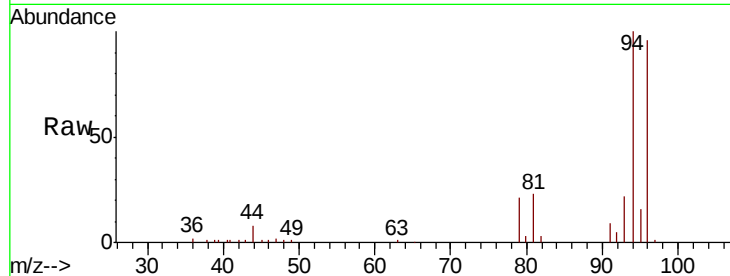
VSTDIC100

Tot Ion: 94 Resp: 197699

Ion Ratio Lower Upper

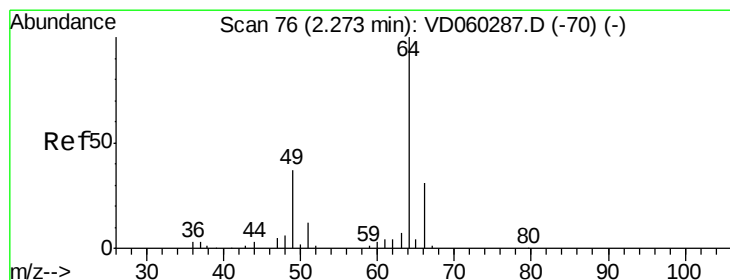
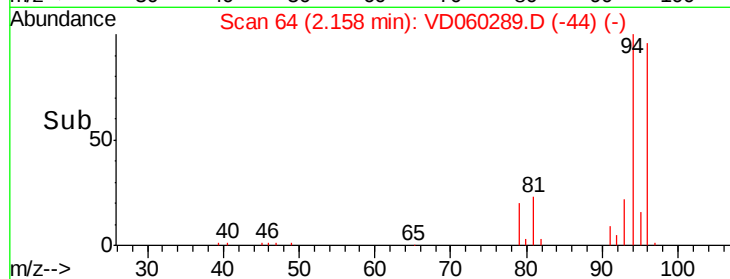
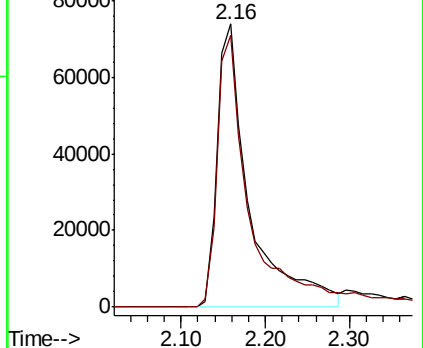
94 100

96 96.3 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 76.540 ug/l

RT: 2.27 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060289.D

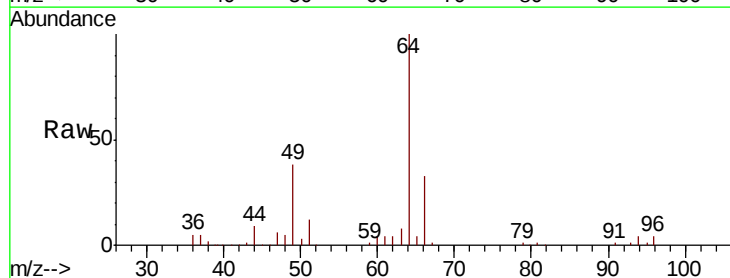
Acq: 6 Nov 2018 13:28

Tgt Ion: 64 Resp: 335678

Ion Ratio Lower Upper

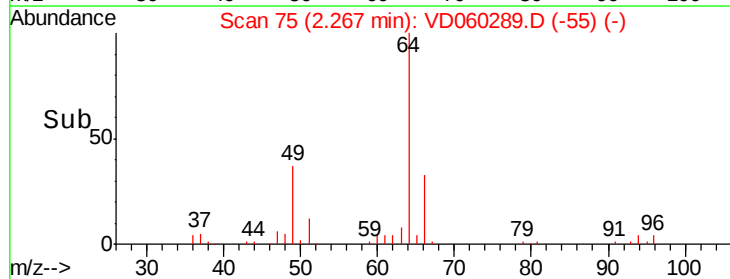
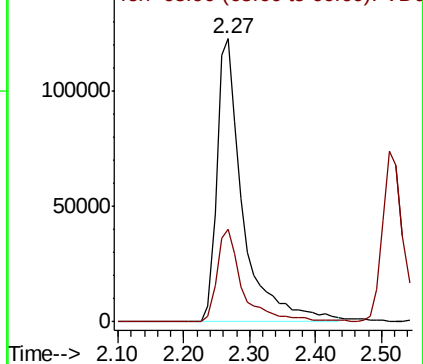
64 100

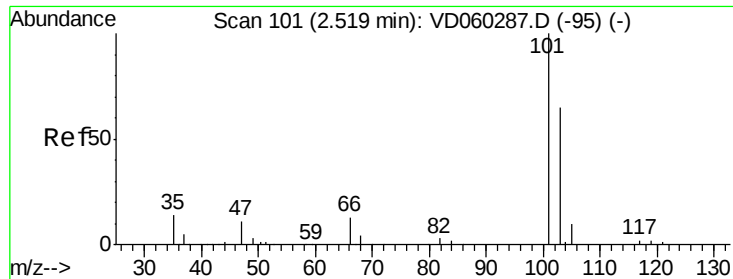
66 32.8 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



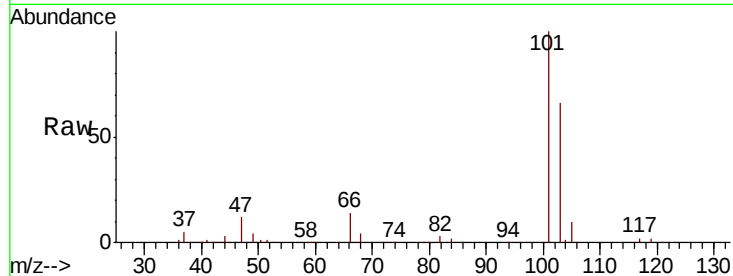


#7

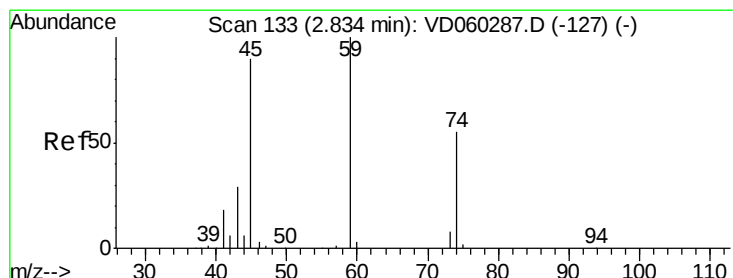
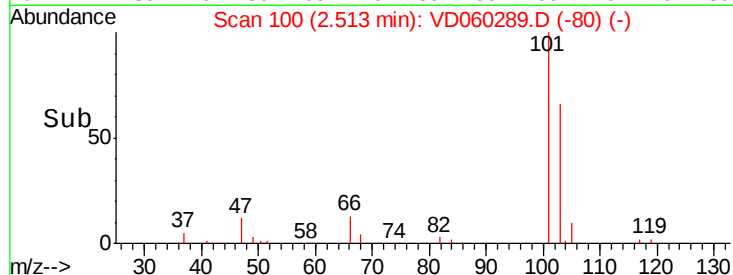
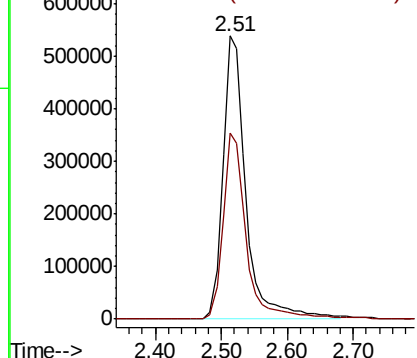
Trichlorofluoromethane
Concen: 86.139 ug/l
RT: 2.51 min Scan# 100
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1307177
Ion Ratio Lower Upper
101 100
103 65.6 53.6 80.4



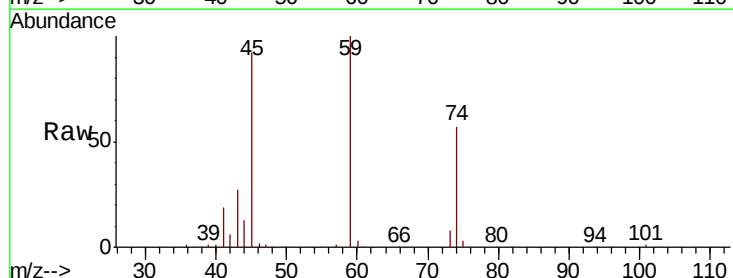
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



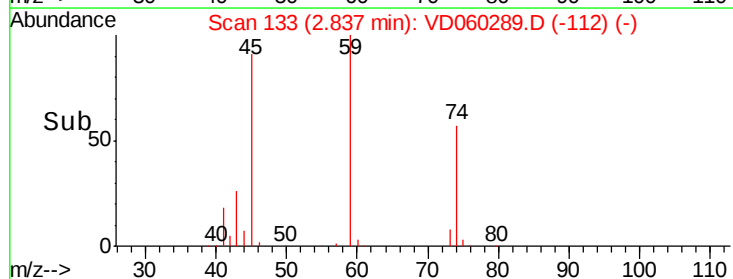
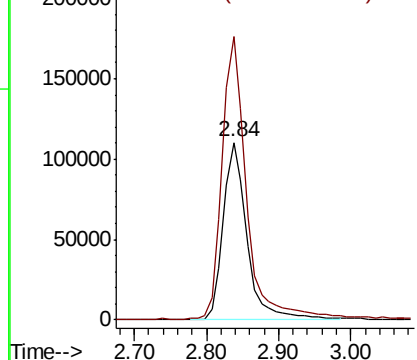
#8

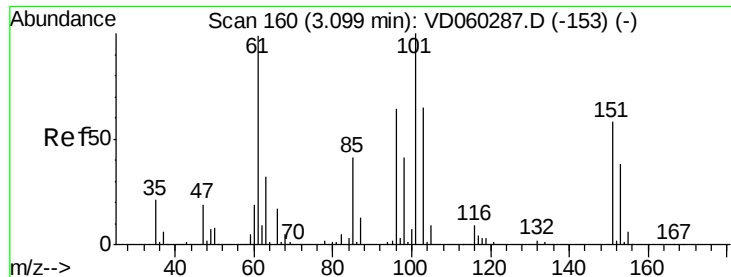
Diethyl Ether
Concen: 87.942 ug/l
RT: 2.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 74 Resp: 252588
Ion Ratio Lower Upper
74 100
45 159.6 84.8 254.4



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: 89.504 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060289.D

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VSTDIC100

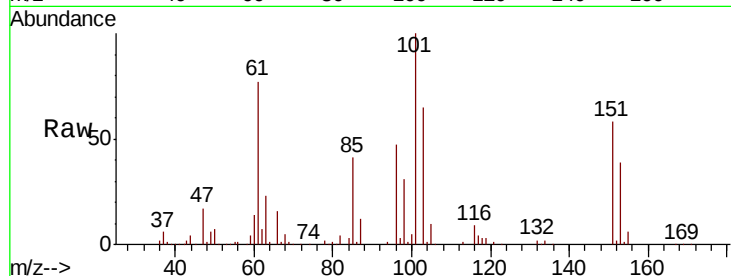
Tot Ion:101 Resp: 873669

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.0

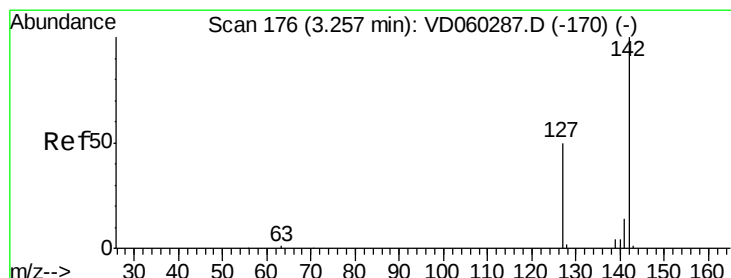
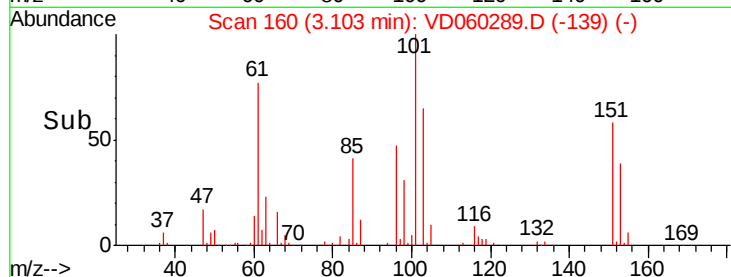
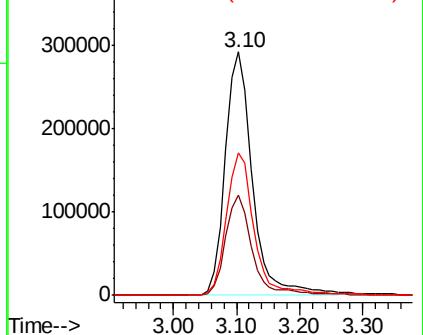
151 58.4 47.4 71.0



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: 124.455 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

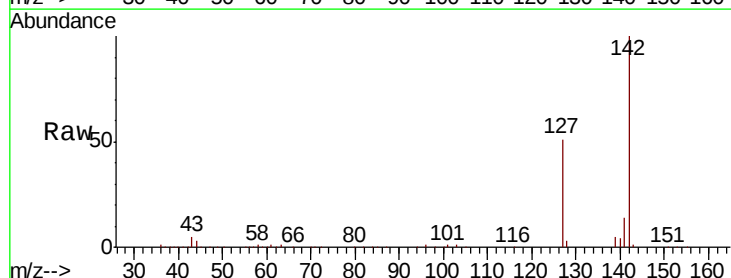
Tgt Ion:142 Resp: 1177649

Ion Ratio Lower Upper

142 100

127 51.0 41.0 61.6

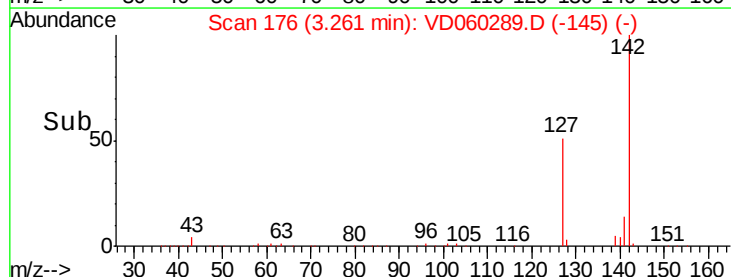
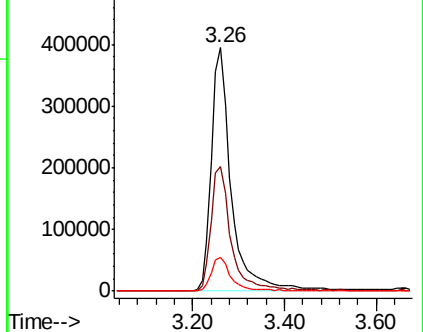
141 13.9 11.9 17.9

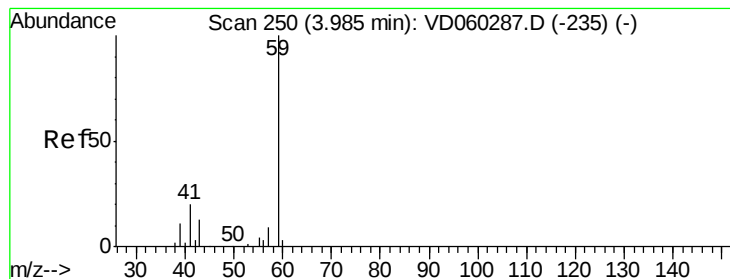


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



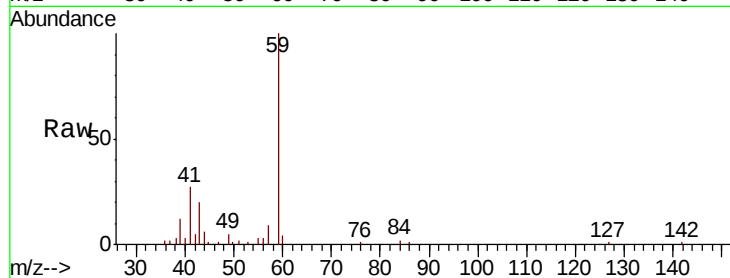


#11

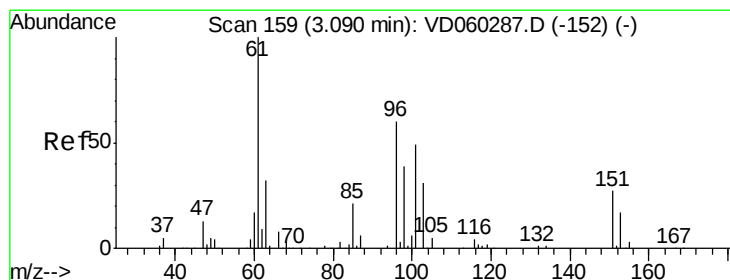
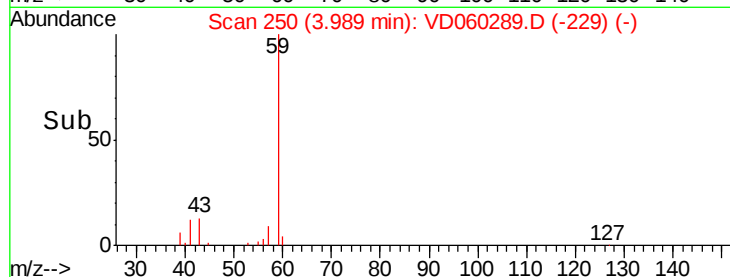
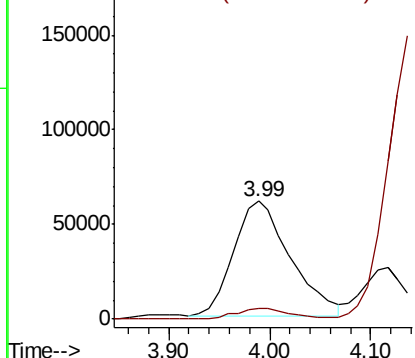
Tert butyl alcohol
 Concen: 487.239 ug/l
 RT: 3.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 59 Resp: 238670
 Ion Ratio Lower Upper
 59 100
 57 9.4 9.3 13.9



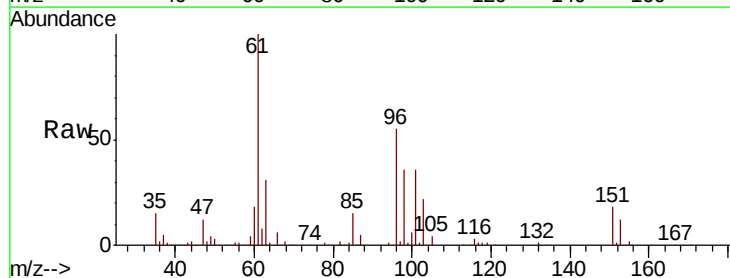
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



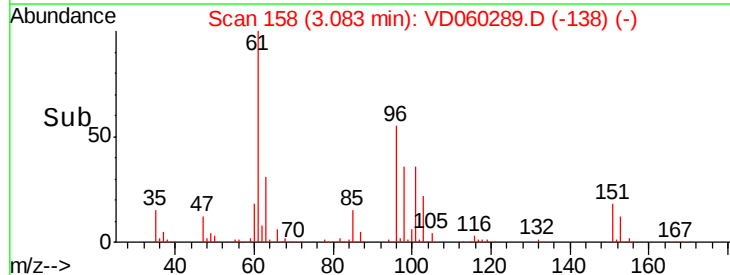
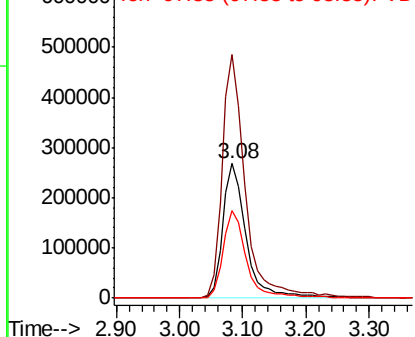
#12

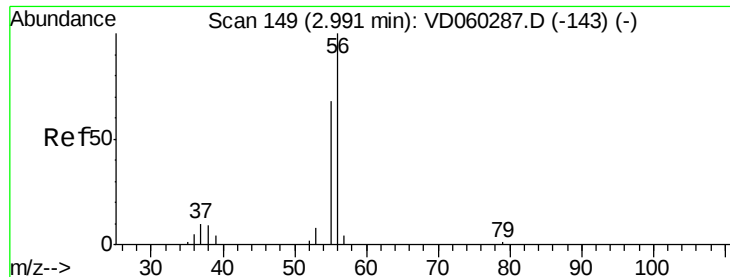
1,1-Dichloroethene
 Concen: 85.627 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 96 Resp: 690782
 Ion Ratio Lower Upper
 96 100
 61 181.3 142.2 213.4
 98 64.8 52.6 79.0



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





#13

Acrolein

Concen: 427.753 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

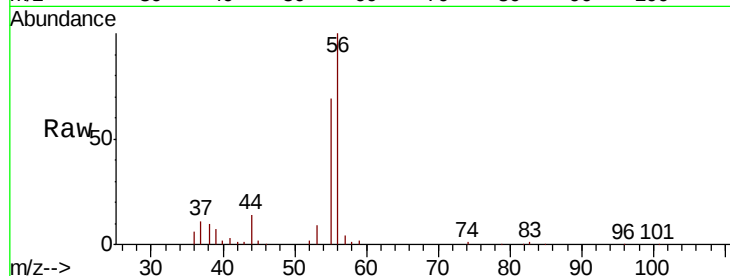
VSTDIC100

Tot Ion: 56 Resp: 259843

Ion Ratio Lower Upper

56 100

55 68.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

100000

80000

60000

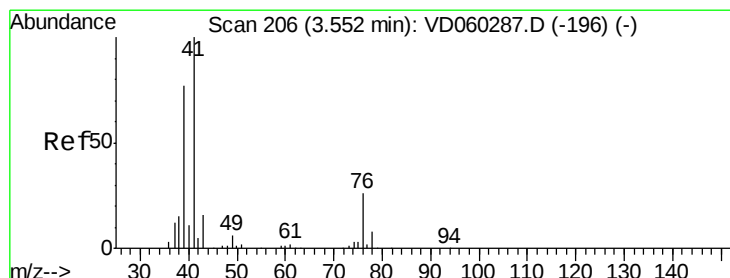
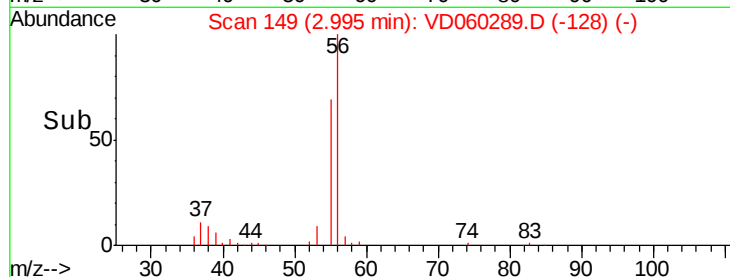
40000

20000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 91.300 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

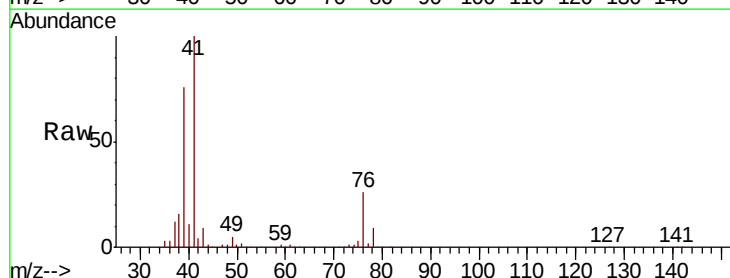
Tgt Ion: 41 Resp: 1399646

Ion Ratio Lower Upper

41 100

39 76.4 60.4 90.6

76 26.2 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

800000

600000

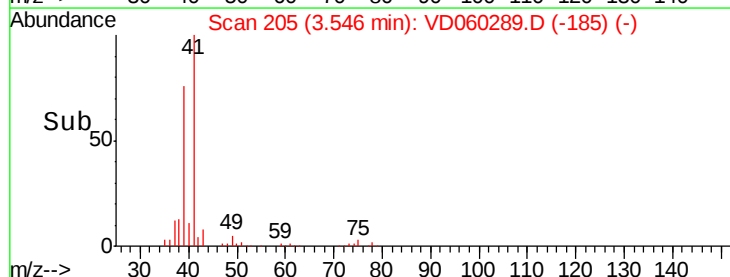
400000

200000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 494.712 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

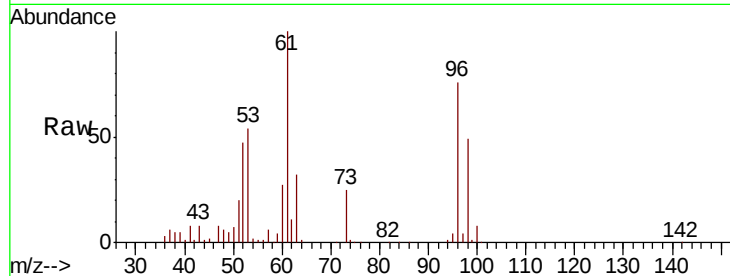
Tot Ion: 53 Resp: 1328616

Ion Ratio Lower Upper

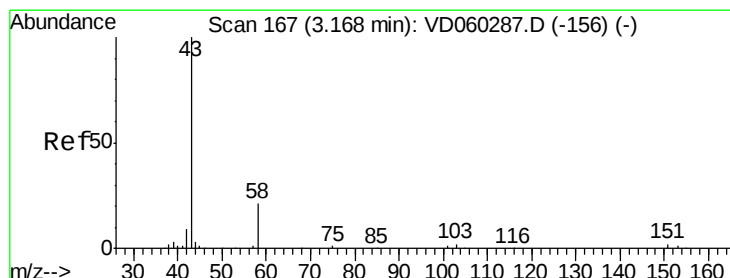
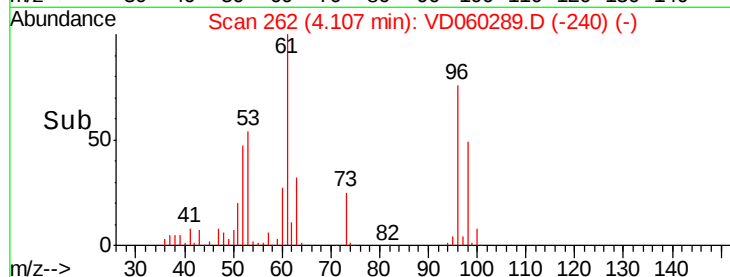
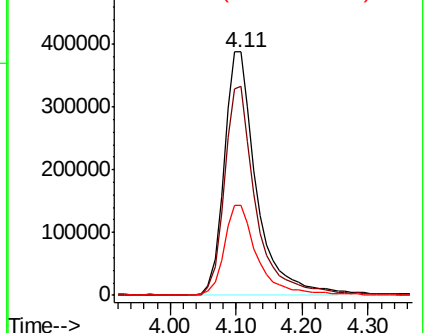
53 100

52 86.1 67.0 100.4

51 37.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 443.338 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060289.D

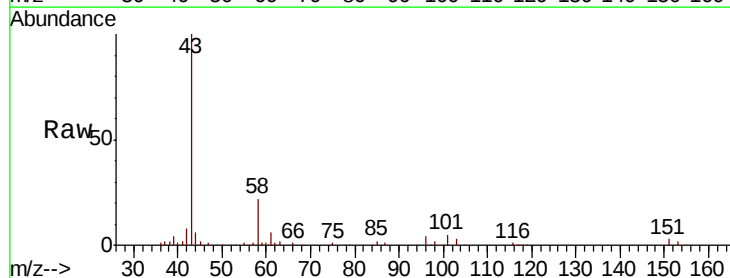
Acq: 6 Nov 2018 13:28

Tgt Ion: 43 Resp: 921007

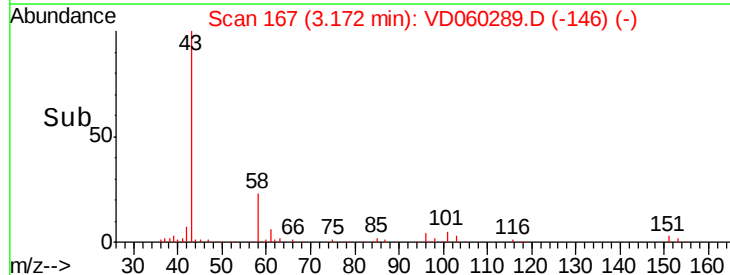
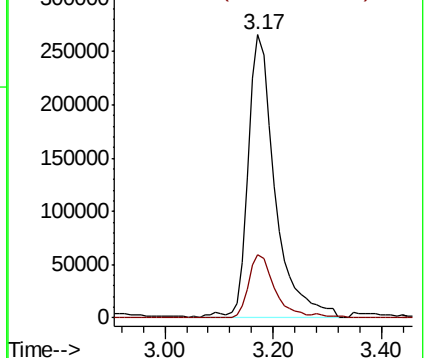
Ion Ratio Lower Upper

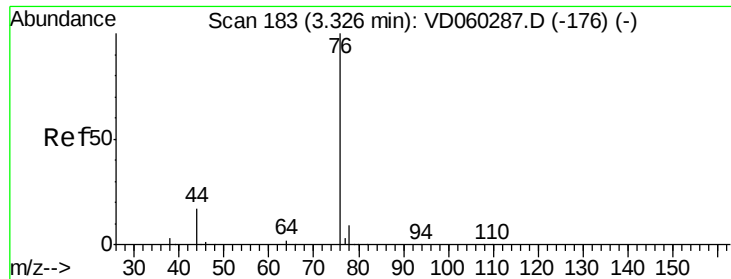
43 100

58 22.4 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

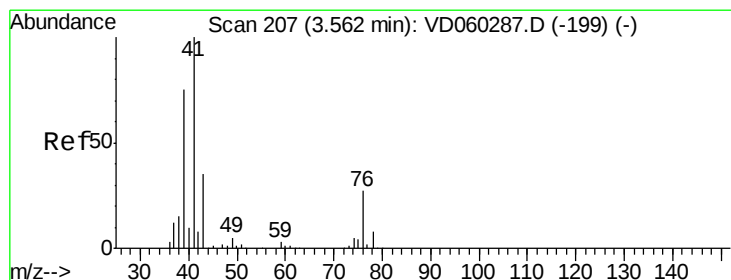
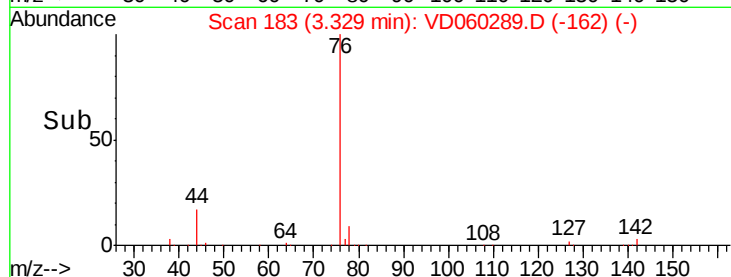
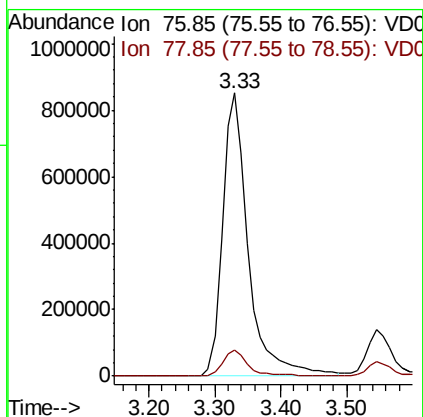
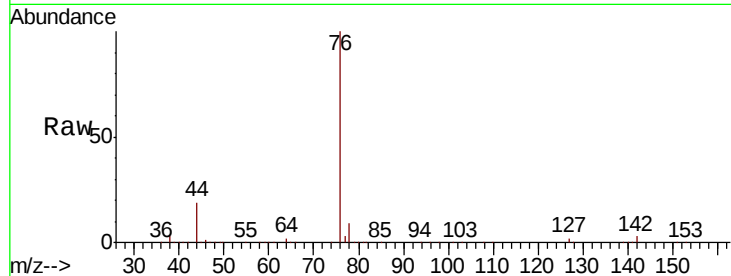




#17
Carbon Disulfide
Concen: 88.440 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

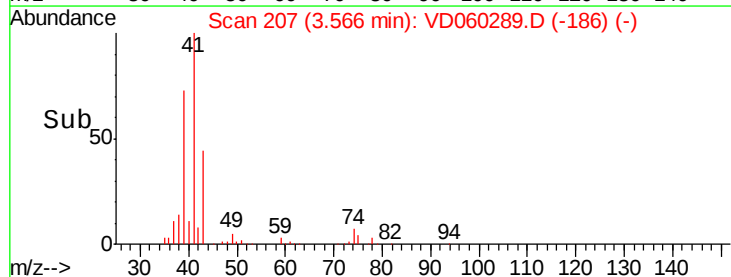
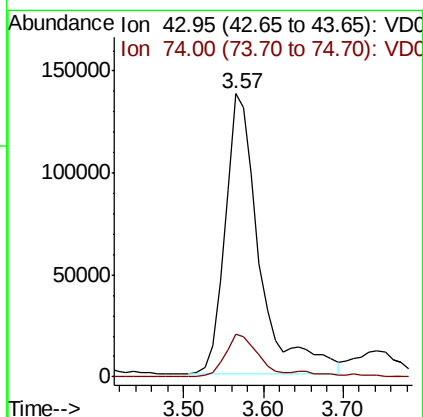
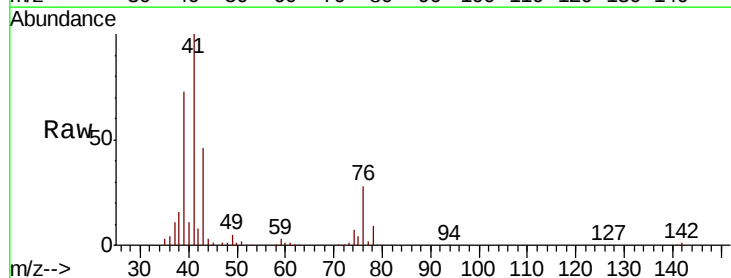
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

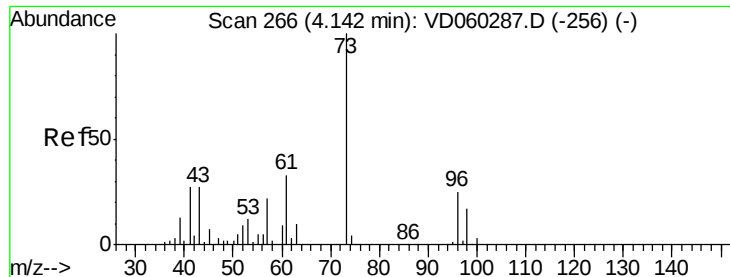
Tot Ion: 76 Resp: 2315236
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 97.594 ug/l
RT: 3.57 min Scan# 207
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 43 Resp: 414881
Ion Ratio Lower Upper
43 100
74 14.9 12.4 18.6



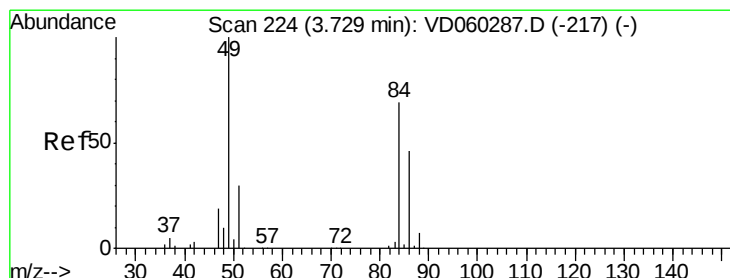
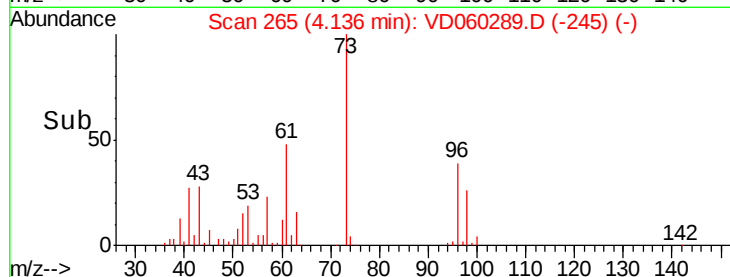
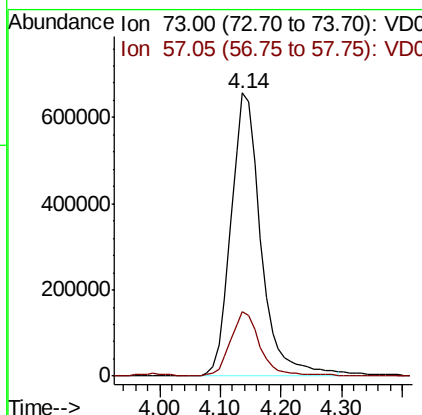
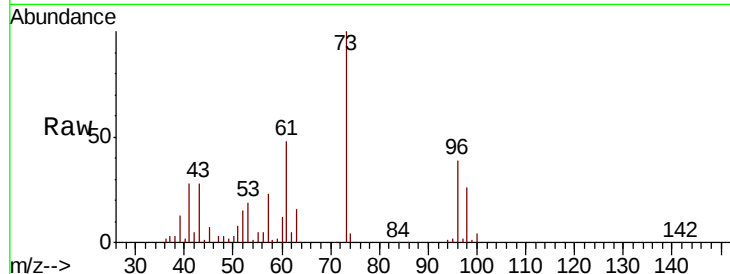


#19

Methyl tert-butyl Ether
 Concen: 99.731 ug/l
 RT: 4.14 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

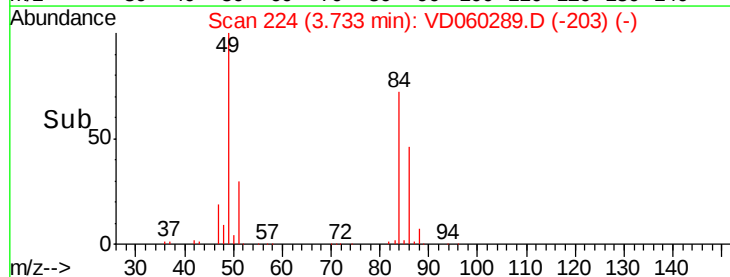
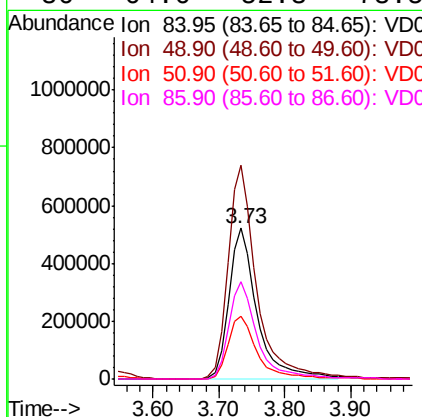
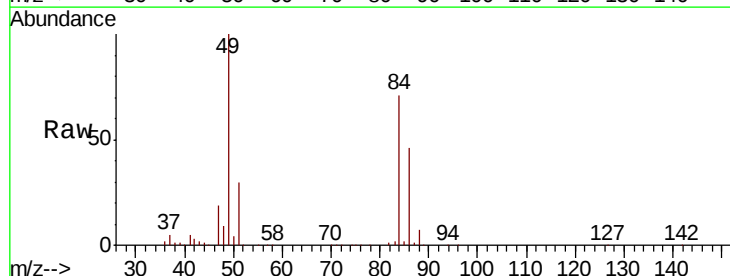
Tot Ion: 73 Resp: 2264000
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.1 27.1

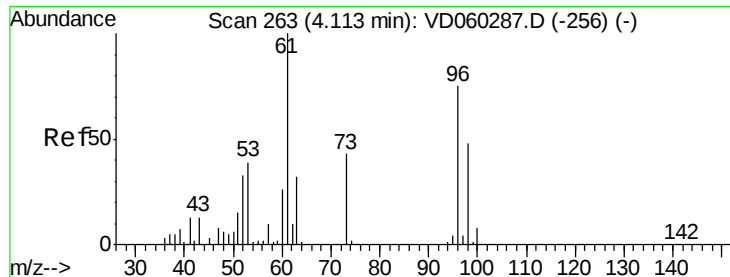


#20

Methylene Chloride
 Concen: 79.026 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 84 Resp: 1560934
 Ion Ratio Lower Upper
 84 100
 49 141.7 115.6 173.4
 51 42.0 35.6 53.4
 86 64.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 97.078 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

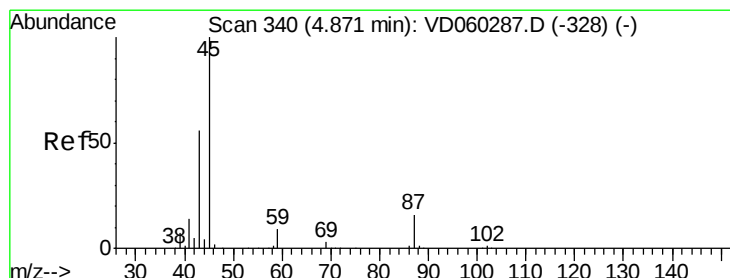
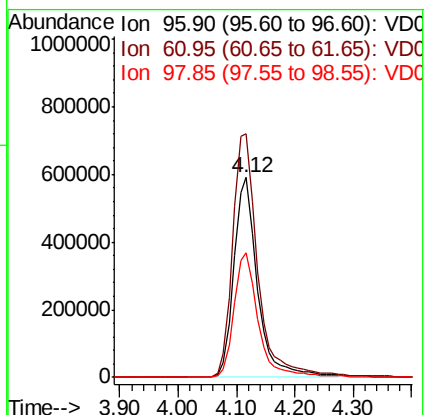
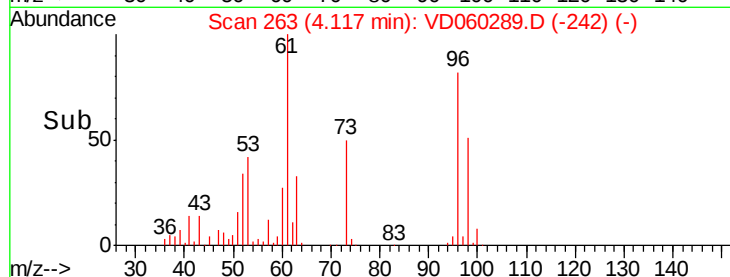
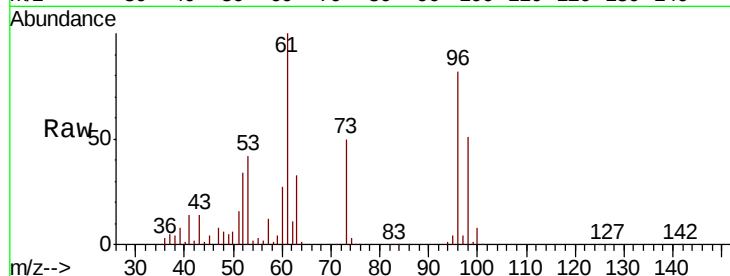
Tot Ion: 96 Resp: 1669013

Ion Ratio Lower Upper

96 100

61 122.0 105.8 158.6

98 62.6 50.8 76.2



#22

Diisopropyl ether

Concen: 95.269 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Tgt Ion: 45 Resp: 5316652

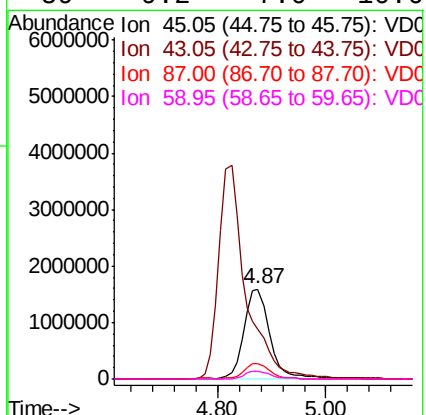
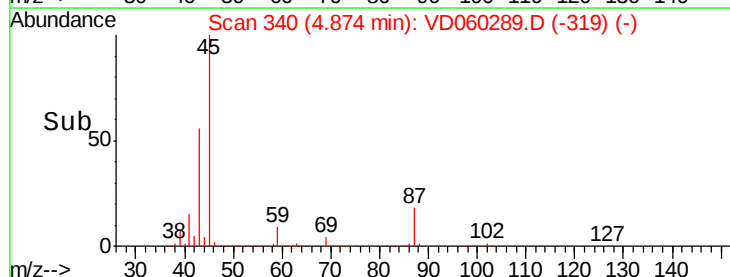
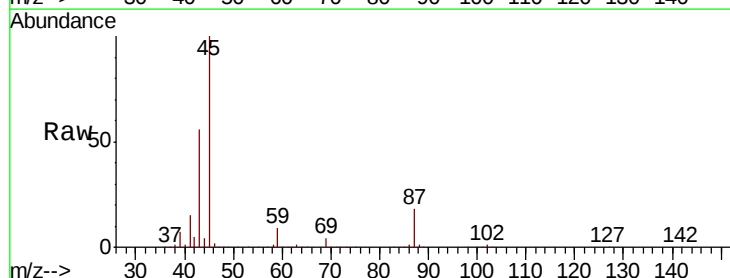
Ion Ratio Lower Upper

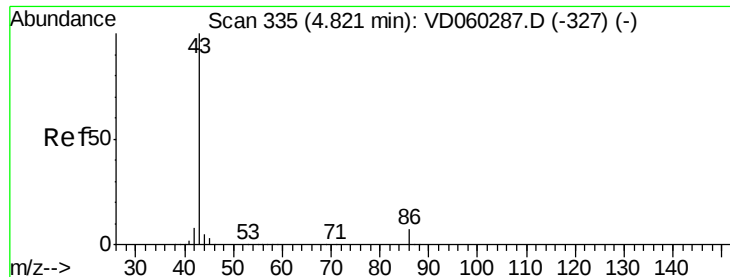
45 100

43 55.8 44.9 67.3

87 17.7 13.9 20.9

59 9.2 7.0 10.6





#23

Vinyl Acetate

Concen: 472.100 ug/l

RT: 4.83 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

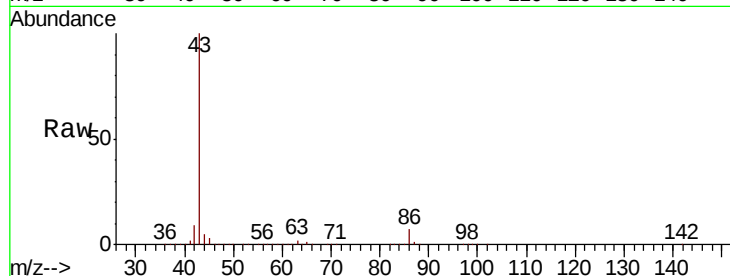
VSTDIC100

Tot Ion: 43 Resp:13122728

Ion Ratio Lower Upper

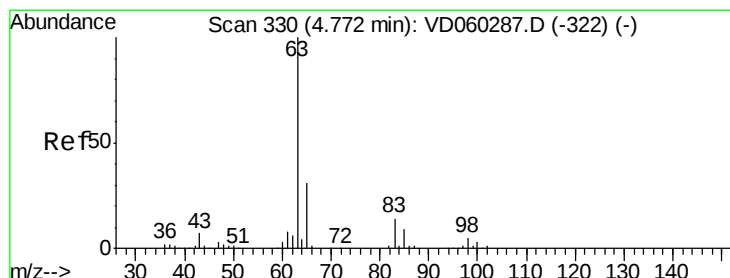
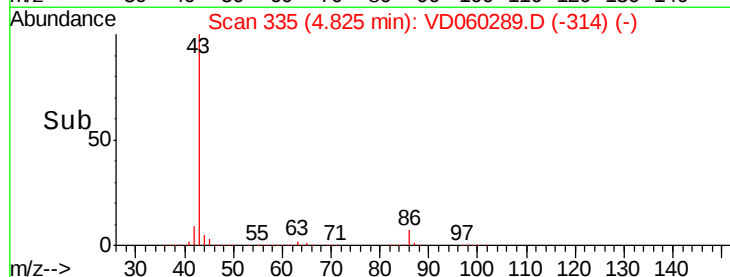
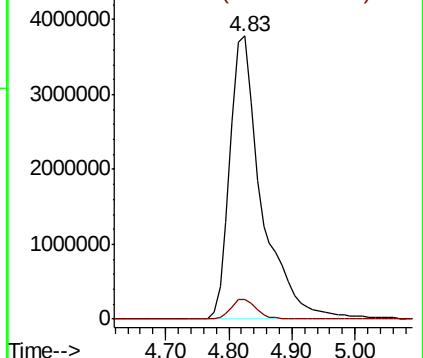
43 100

86 7.0 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 98.160 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

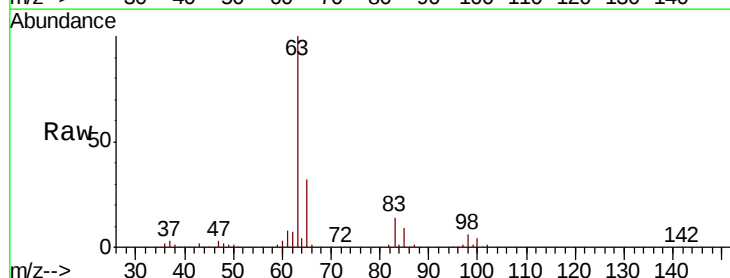
Tgt Ion: 63 Resp: 2764934

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

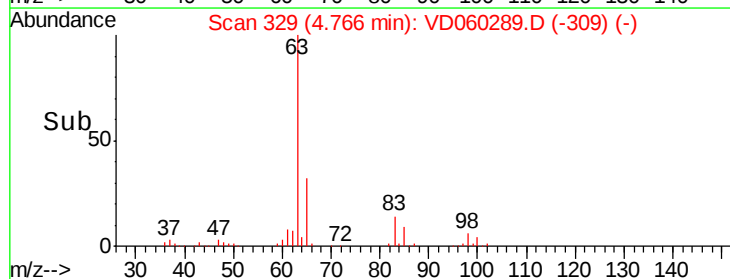
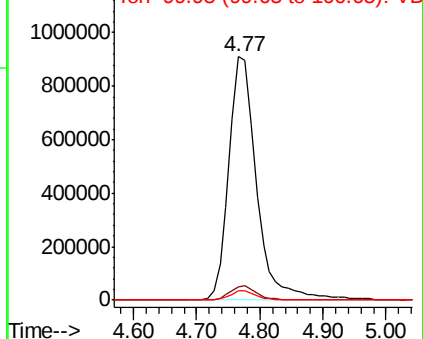
100 3.6 1.8 5.5



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: 502.948 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

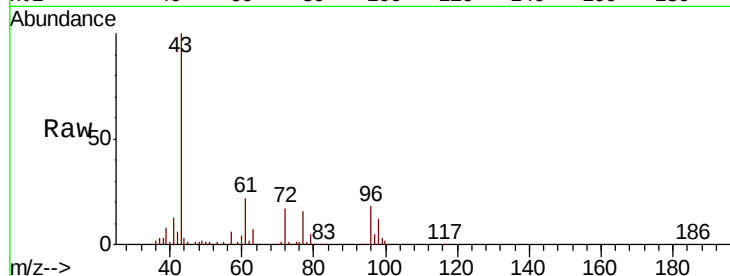
VSTDIC100

Tot Ion: 43 Resp: 1984820

Ion Ratio Lower Upper

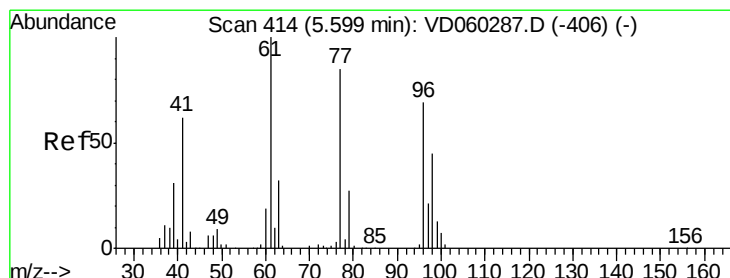
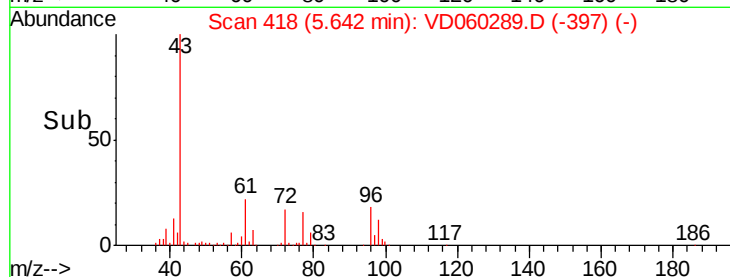
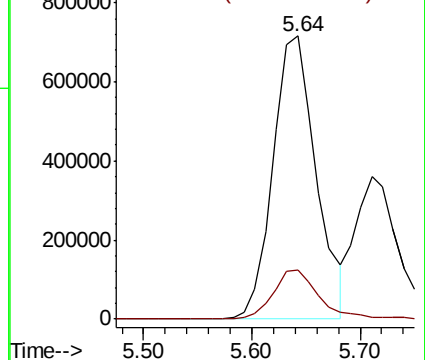
43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 93.053 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060289.D

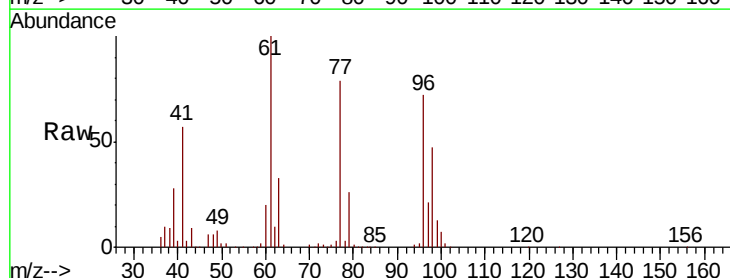
Acq: 6 Nov 2018 13:28

Tgt Ion: 77 Resp: 2057903

Ion Ratio Lower Upper

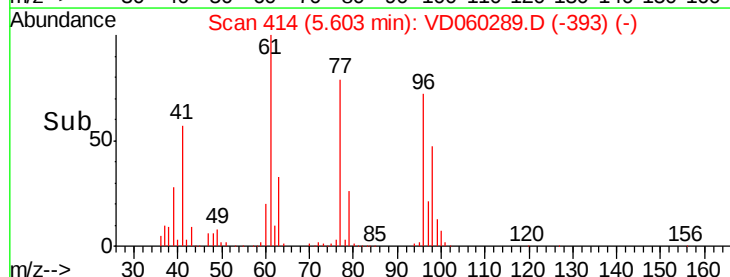
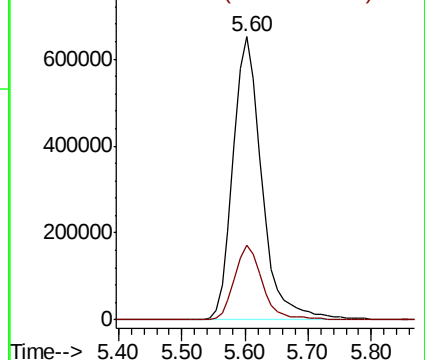
77 100

97 26.6 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



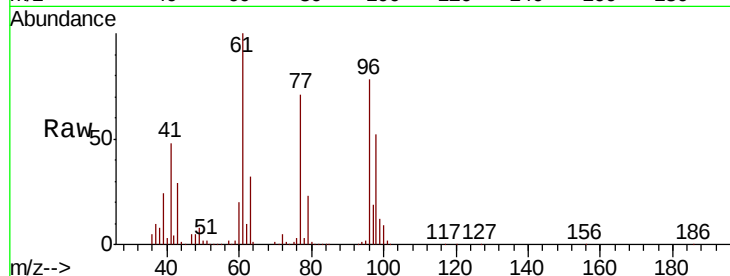


#27

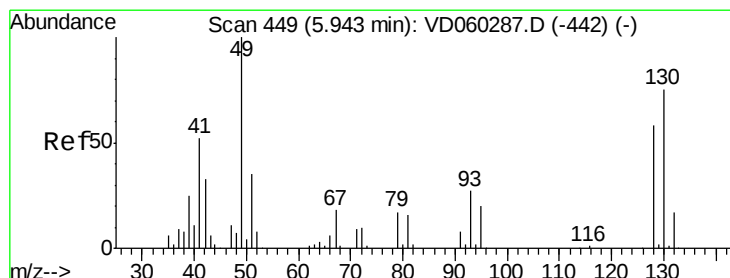
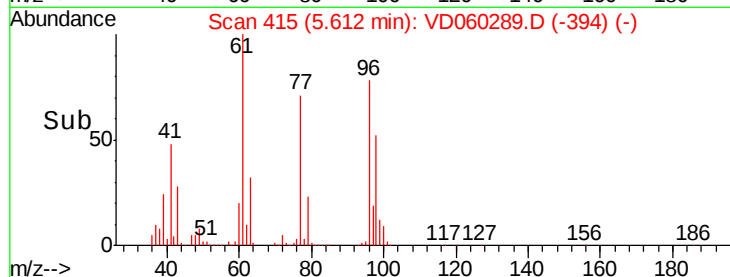
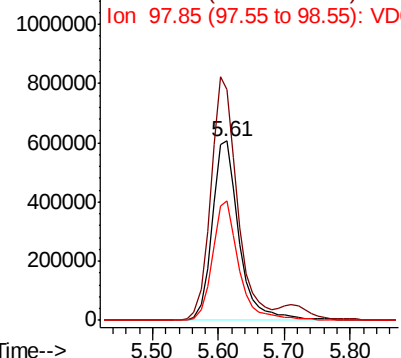
cis-1,2-Dichloroethene
Concen: 96.957 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1732256
Ion Ratio Lower Upper
96 100
61 128.5 0.0 259.0
98 66.6 0.0 128.8



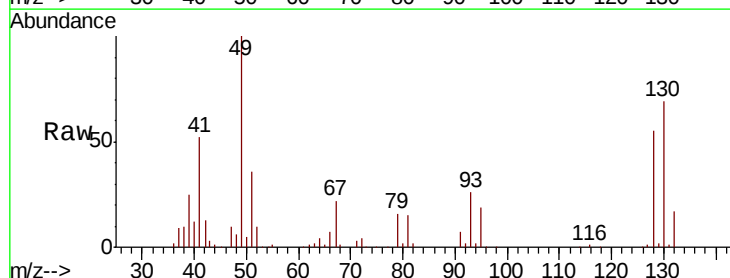
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



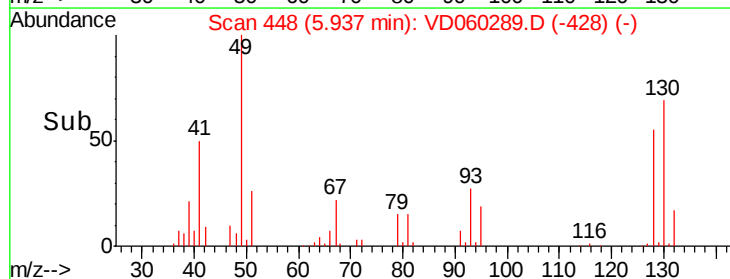
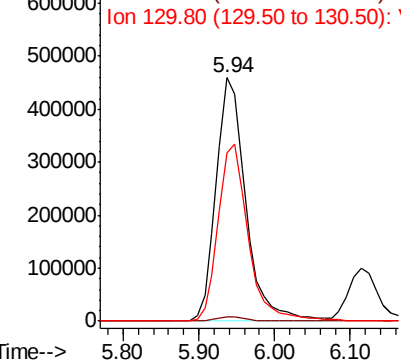
#28

Bromochloromethane
Concen: 99.463 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 49 Resp: 1246339
Ion Ratio Lower Upper
49 100
129 1.7 0.0 2.8
130 69.3 53.6 80.4



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

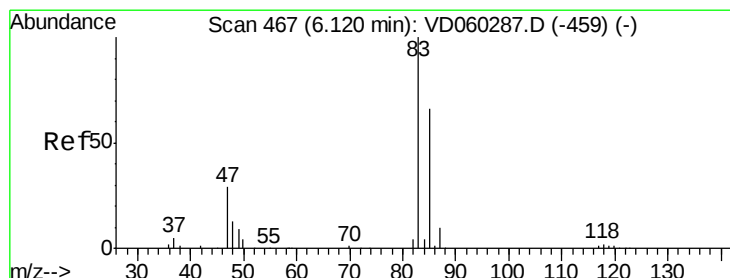
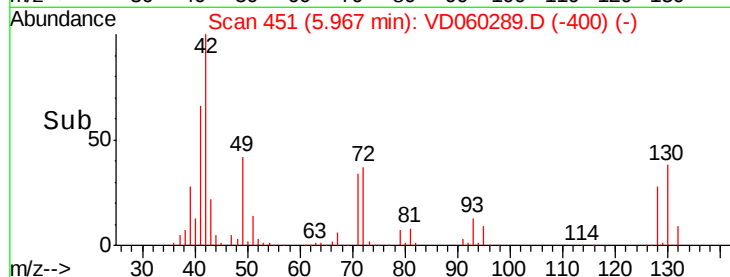
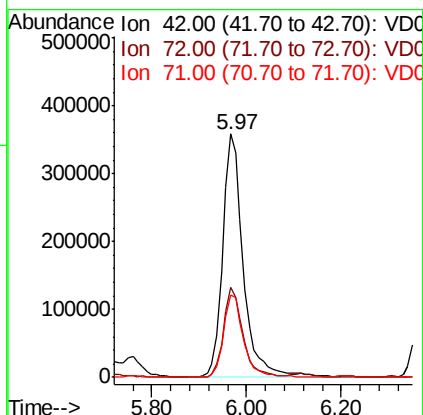
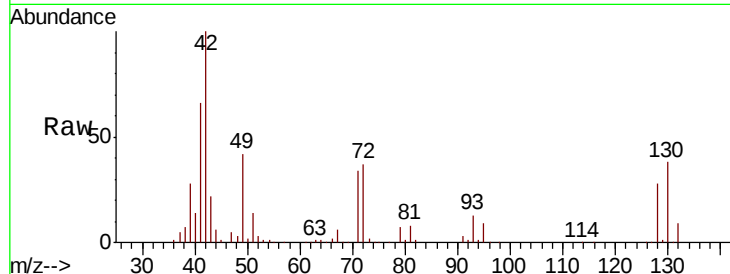




#29
Tetrahydrofuran
Concen: 515.171 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

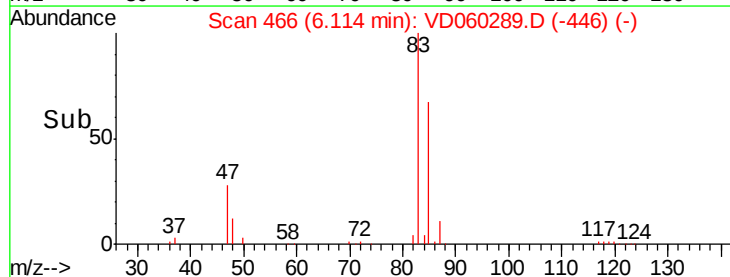
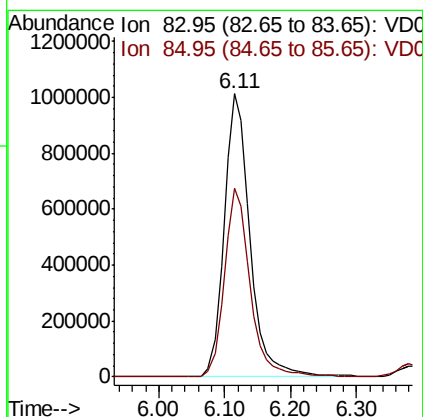
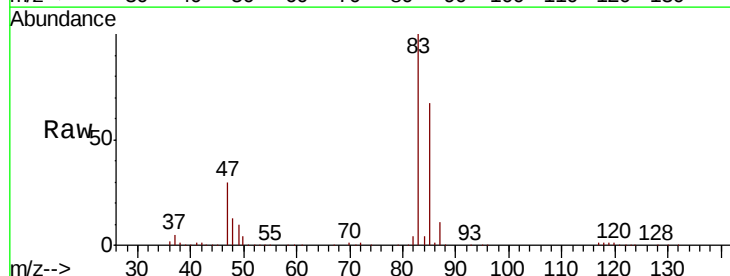
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

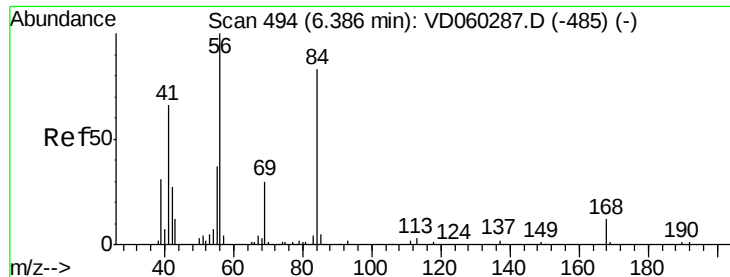
Tot Ion: 42 Resp: 1068832
Ion Ratio Lower Upper
42 100
72 34.9 27.6 41.4
71 33.6 26.5 39.7



#30
Chloroform
Concen: 97.593 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 83 Resp: 2774561
Ion Ratio Lower Upper
83 100
85 66.7 52.5 78.7

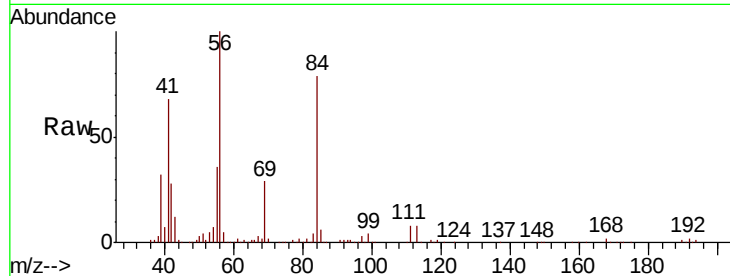




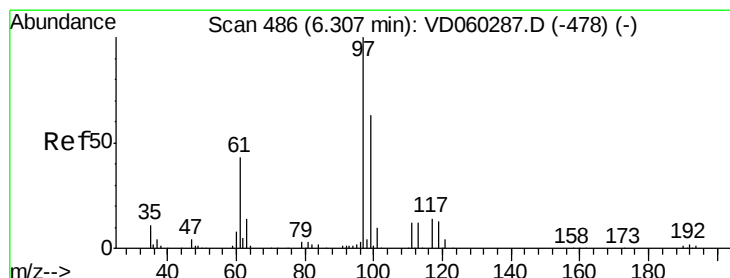
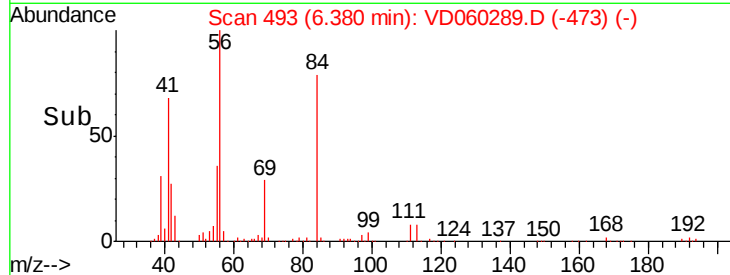
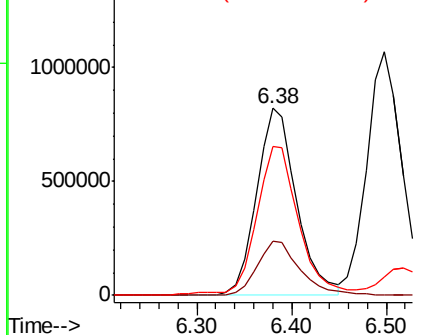
#31
Cyclohexane
Concen: 90.275 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 56 Resp: 2399248
Ion Ratio Lower Upper
56 100
69 28.9 22.2 33.2
84 79.2 63.0 94.4

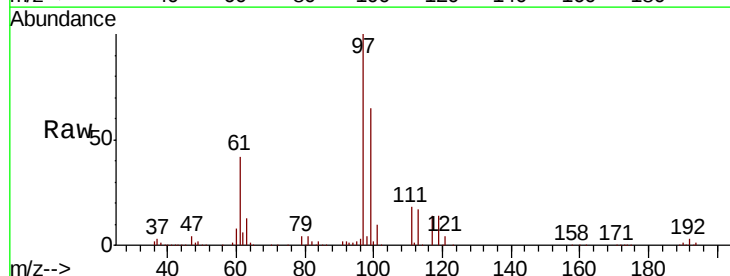


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

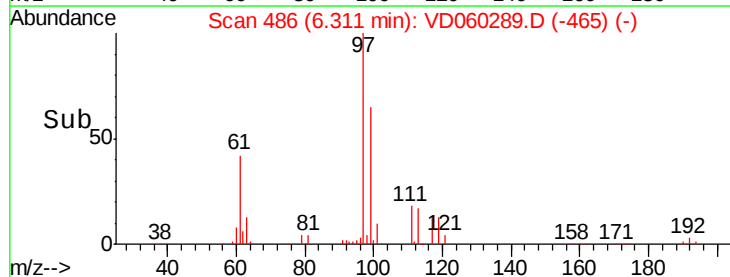
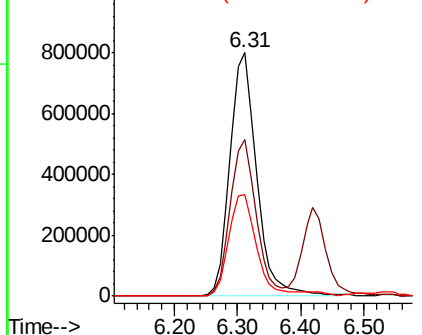


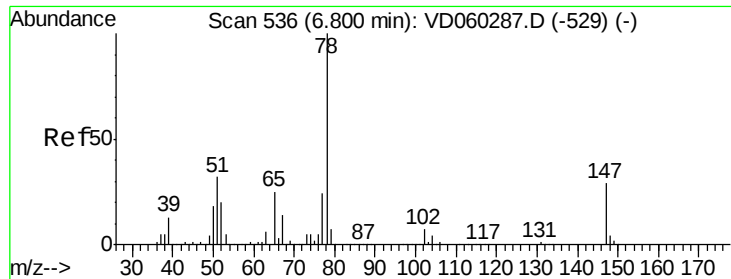
#32
1,1,1-Trichloroethane
Concen: 99.887 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 97 Resp: 2341334
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 41.9 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

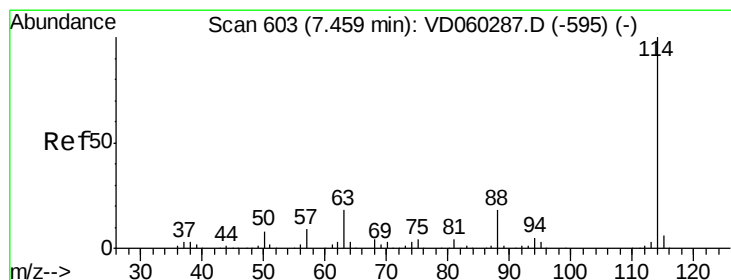
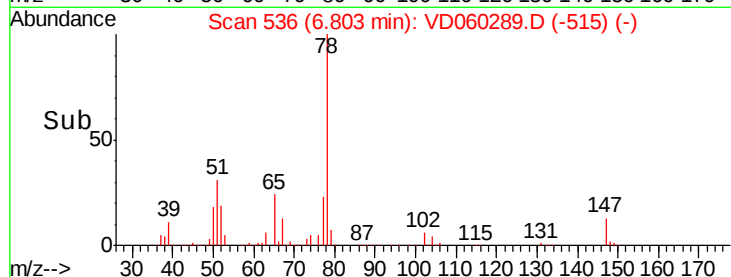
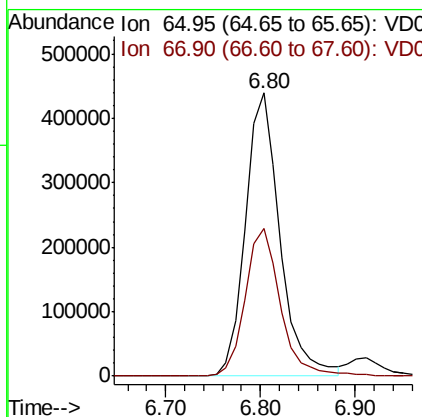
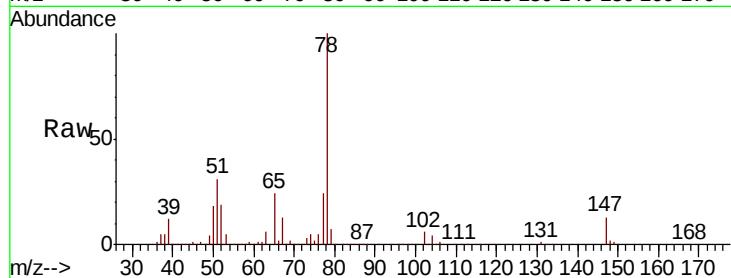




#33
 1,2-Dichloroethane-d4
 Concen: 99.887 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

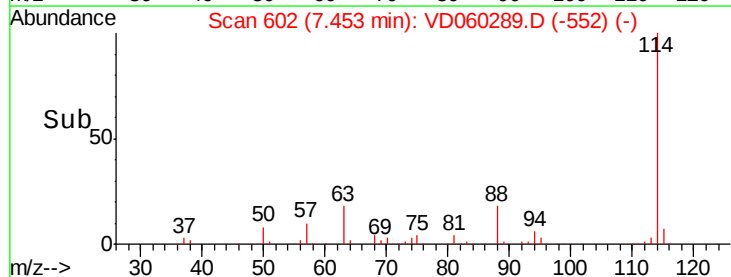
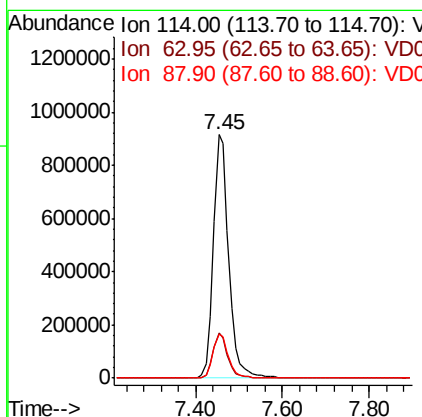
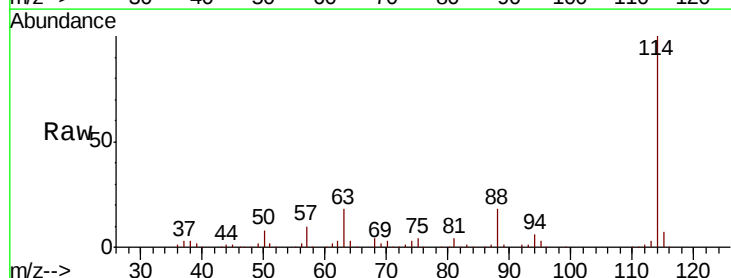
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

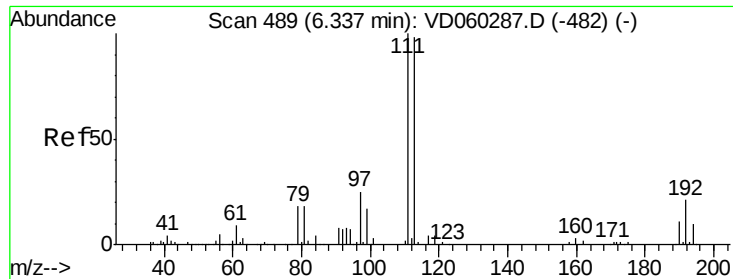
Tot Ion: 65 Resp: 1109916
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 114 Resp: 2254437
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 18.3 0.0 35.4

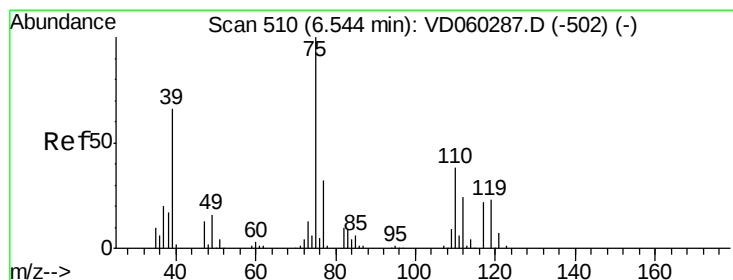
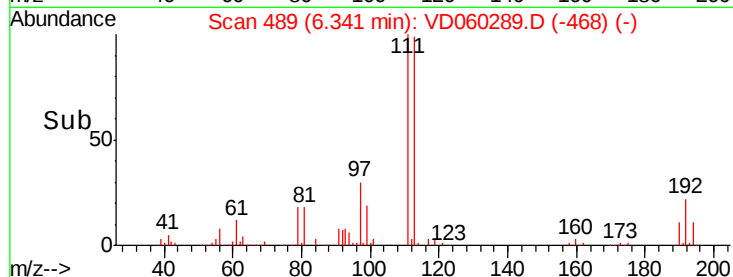
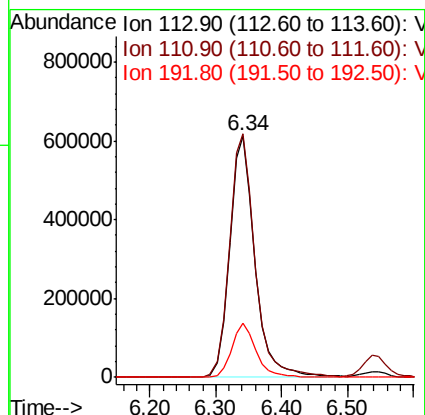
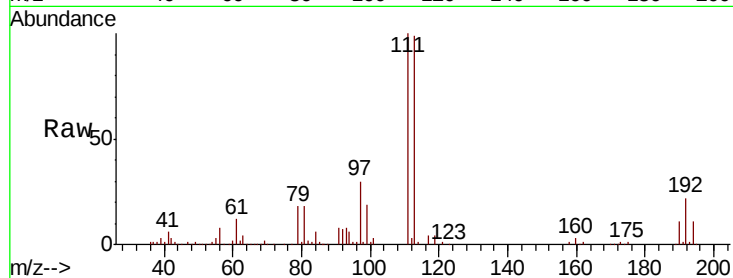




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

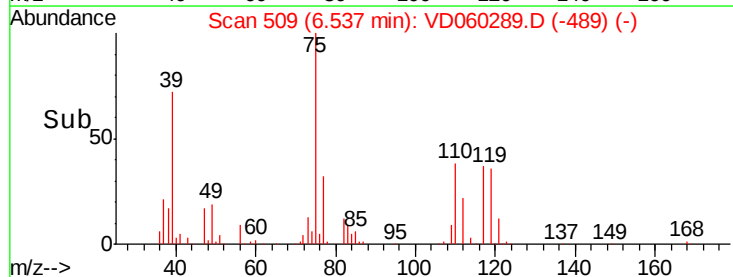
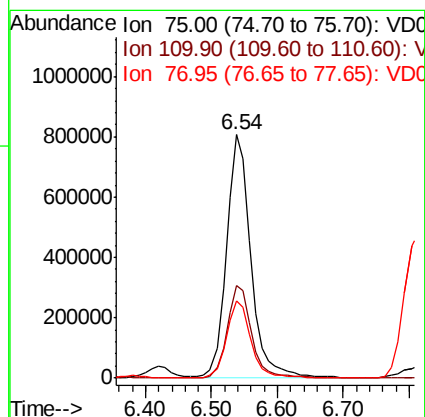
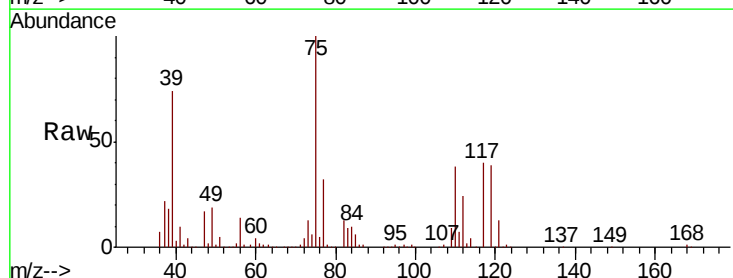
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

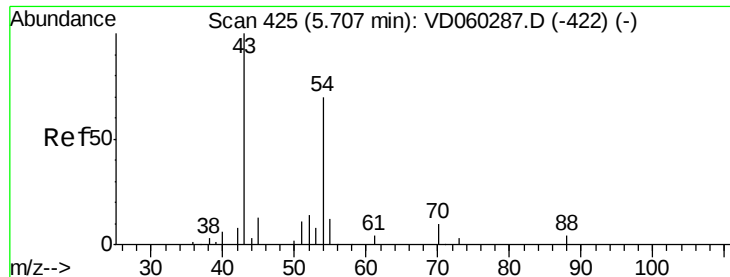
Tot Ion:113 Resp: 1637803
Ion Ratio Lower Upper
113 100
111 100.8 81.6 122.4
192 22.3 16.5 24.7



#36
1,1-Dichloropropene
Concen: 94.053 ug/l
RT: 6.54 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 75 Resp: 2049807
Ion Ratio Lower Upper
75 100
110 37.8 18.0 54.0
77 31.7 25.6 38.4

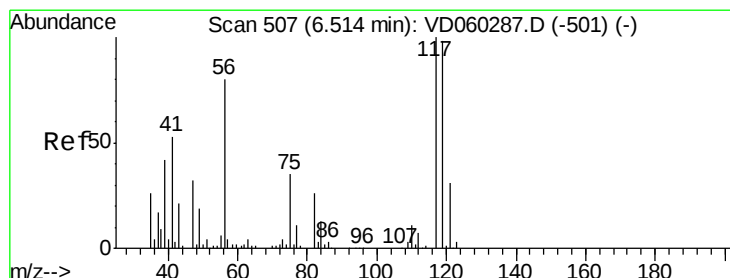
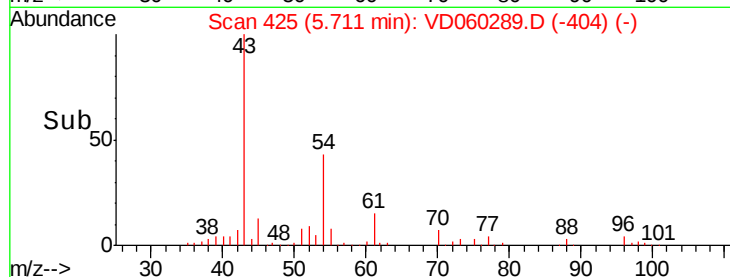
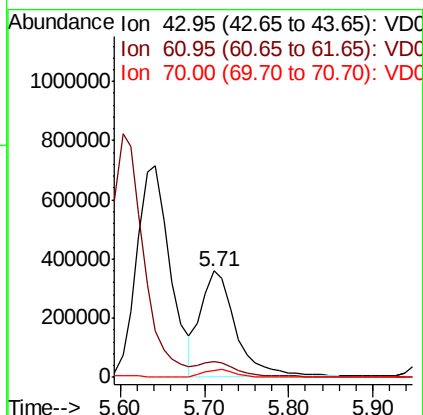
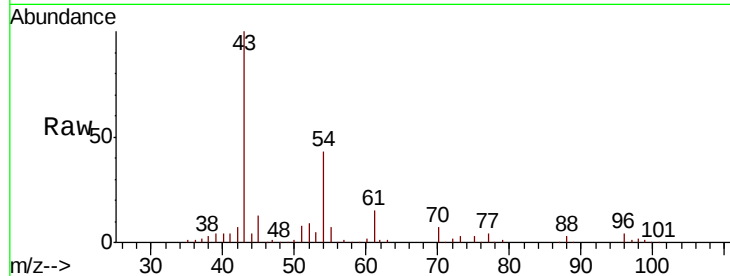




#37
Ethyl Acetate
Concen: 104.414 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

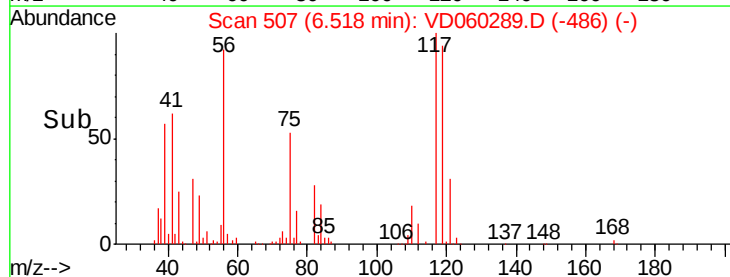
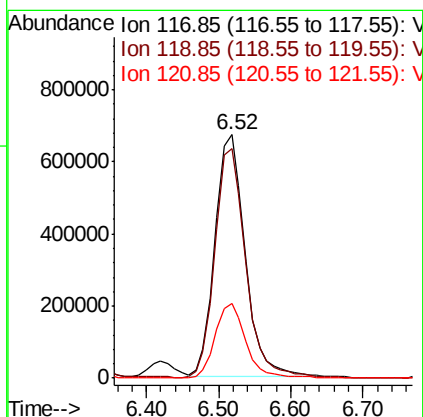
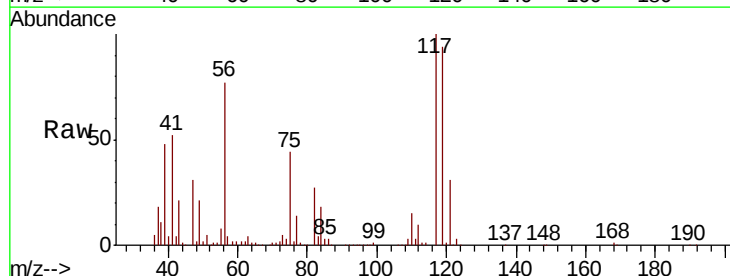
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

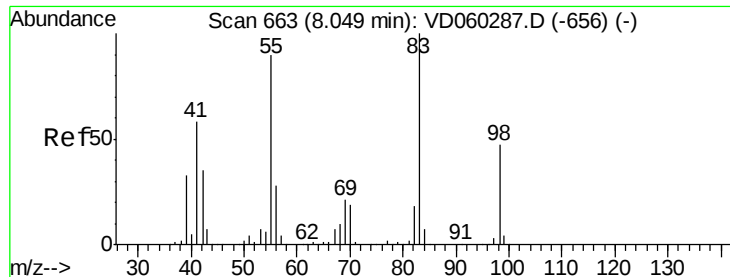
Tot Ion: 43 Resp: 1015635
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 6.9 6.2 9.4



#38
Carbon Tetrachloride
Concen: 98.037 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 117 Resp: 1947235
Ion Ratio Lower Upper
117 100
119 94.5 76.6 115.0
121 30.7 24.3 36.5

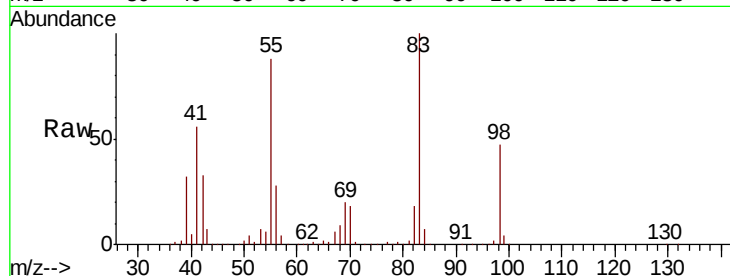




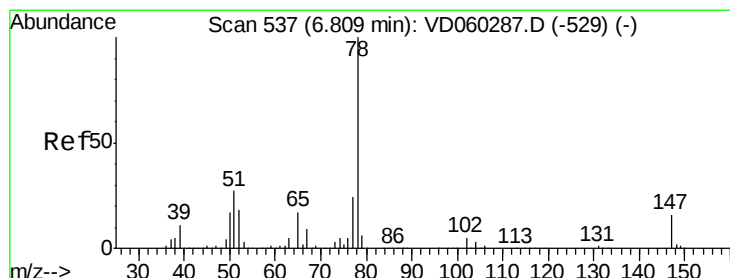
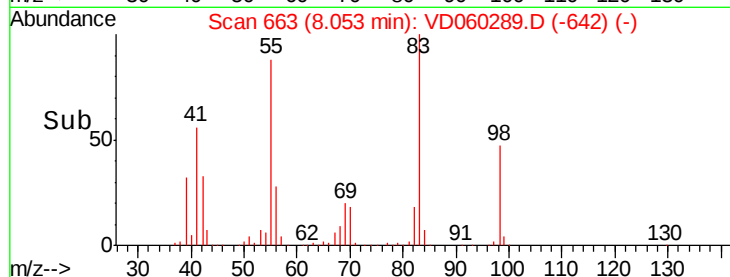
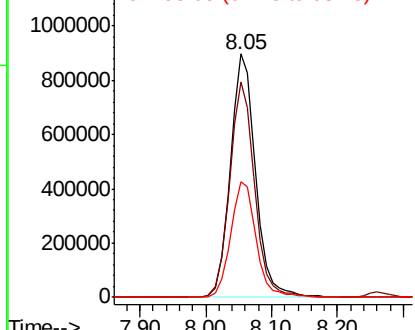
#39
Methvlcvclohexane
Concen: 98.223 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 2407022
Ion Ratio Lower Upper
83 100
55 88.3 71.2 106.8
98 47.5 38.4 57.6

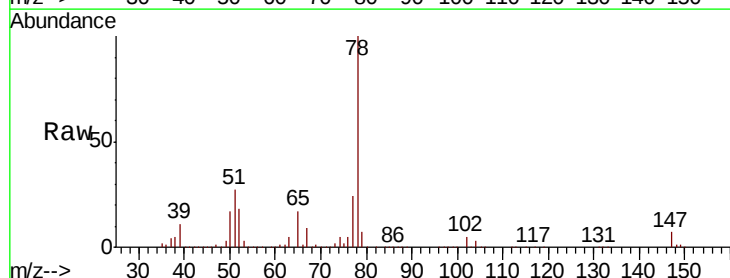


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

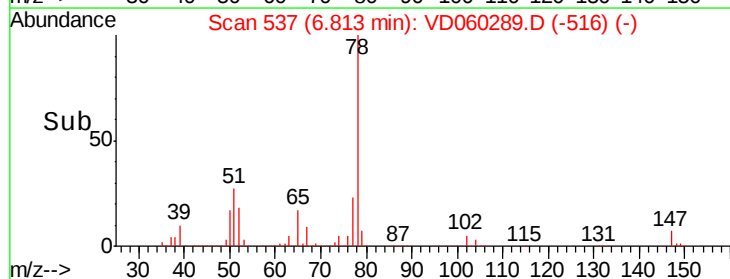
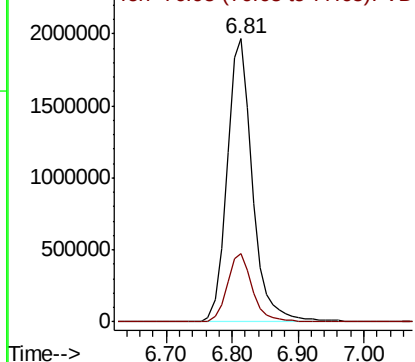


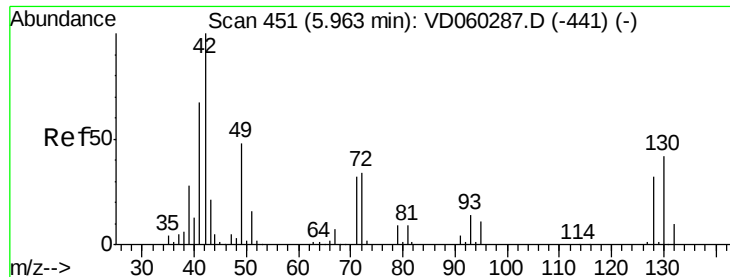
#40
Benzene
Concen: 94.058 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 78 Resp: 5289413
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 178.215 ug/l

RT: 5.96 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

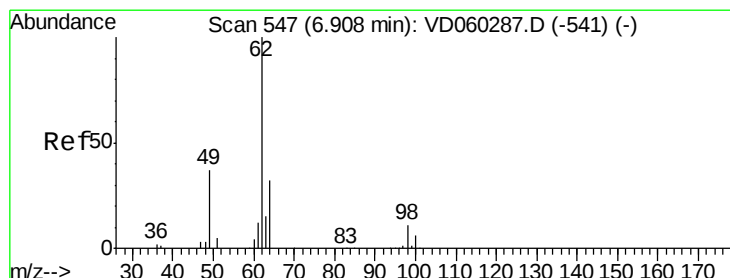
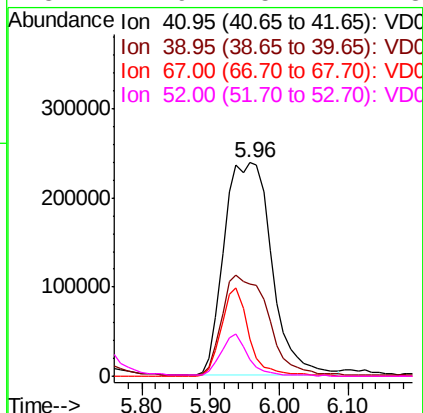
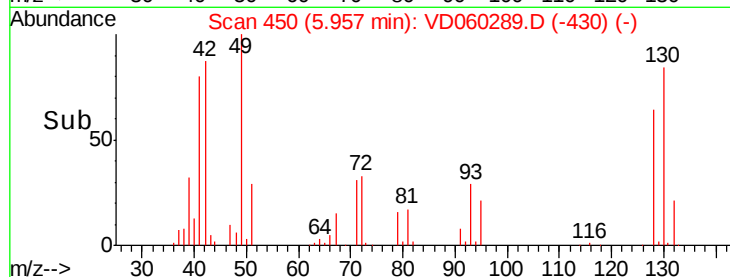
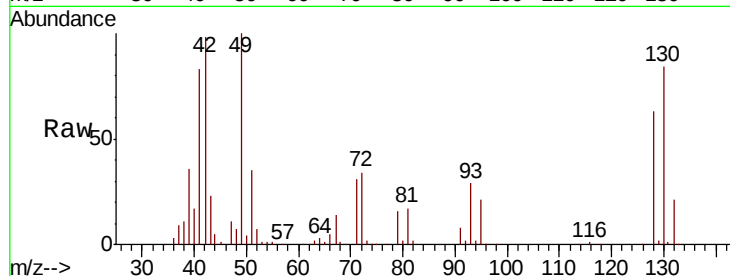
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 1145295

Ion	Ratio	Lower	Upper
41	100		
39	43.3	36.2	54.2
67	17.4	11.9	17.9
52	7.9	5.2	7.8#



#42

1,2-Dichloroethane

Concen: 99.356 ug/l

RT: 6.91 min Scan# 547

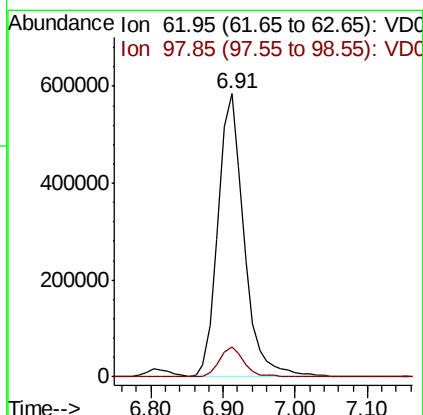
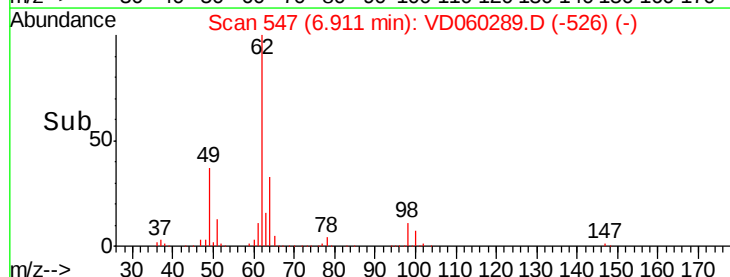
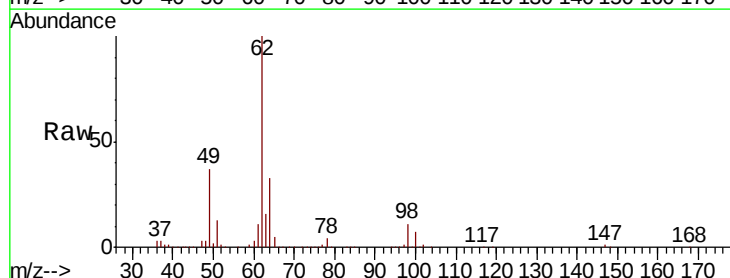
Delta R.T. 0.00 min

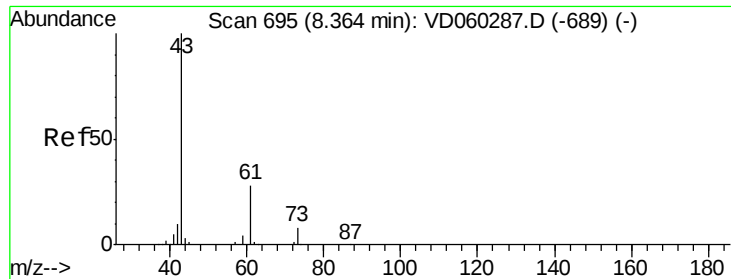
Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Tgt Ion: 62 Resp: 1448314

Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.0





#43

Isopropyl Acetate

Concen: 101.571 ug/l

RT: 8.37 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

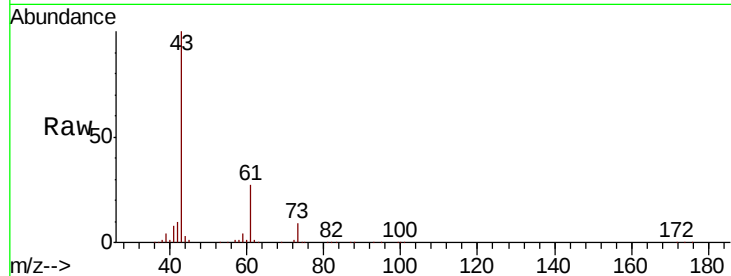
Tot Ion: 43 Resp: 1275269

Ion Ratio Lower Upper

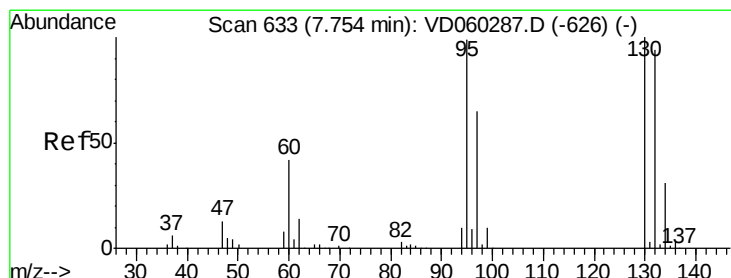
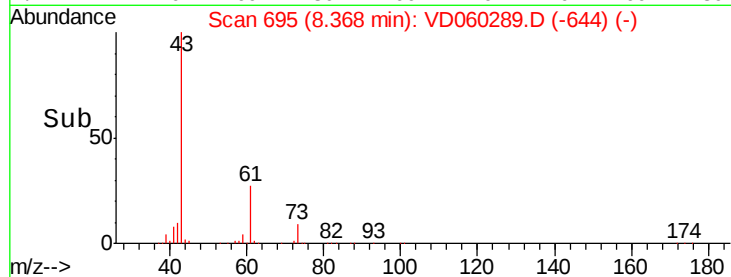
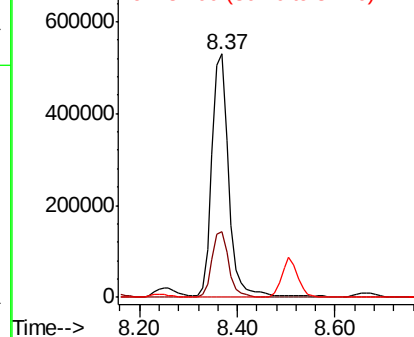
43 100

61 27.0 22.3 33.5

87 0.2 0.2 0.2#



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: 98.024 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060289.D

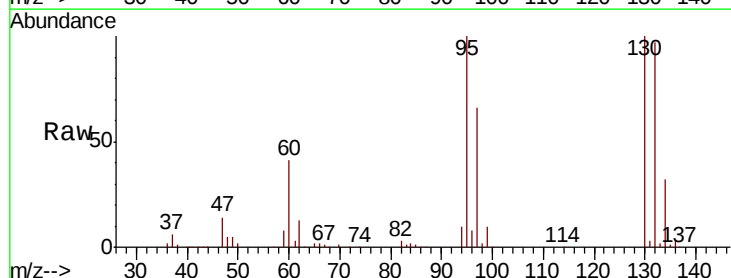
Acq: 6 Nov 2018 13:28

Tgt Ion:130 Resp: 1684691

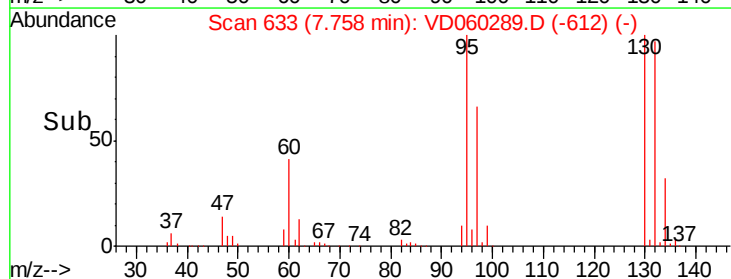
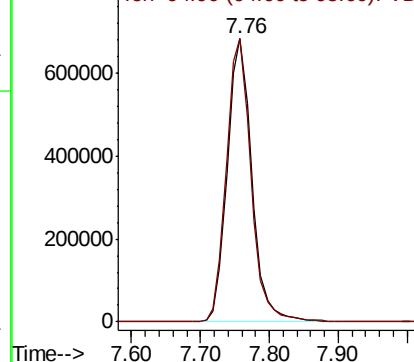
Ion Ratio Lower Upper

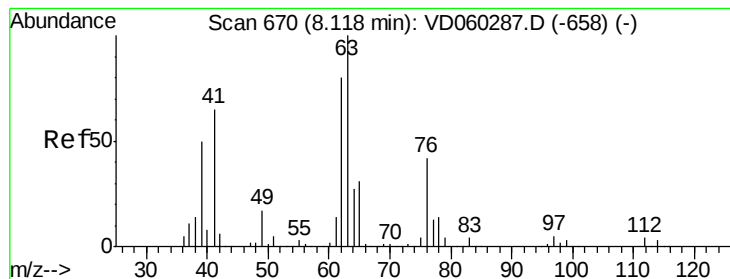
130 100

95 100.1 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 99.193 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

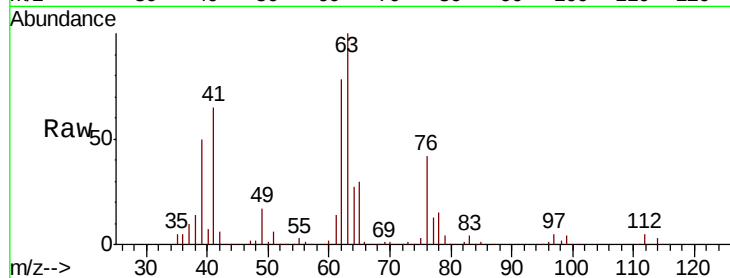
VSTDIC100

Tot Ion: 63 Resp: 1391358

Ion Ratio Lower Upper

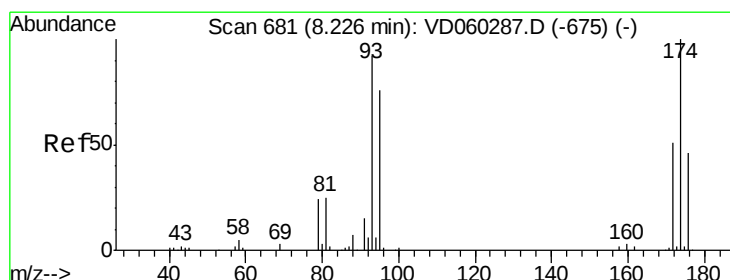
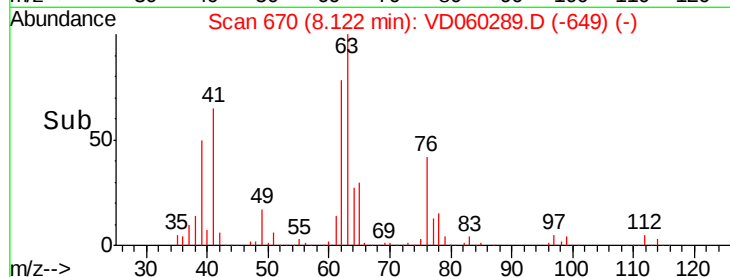
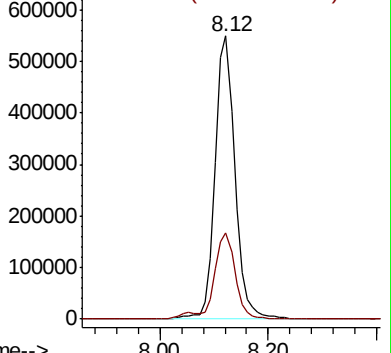
63 100

65 30.5 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 103.556 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

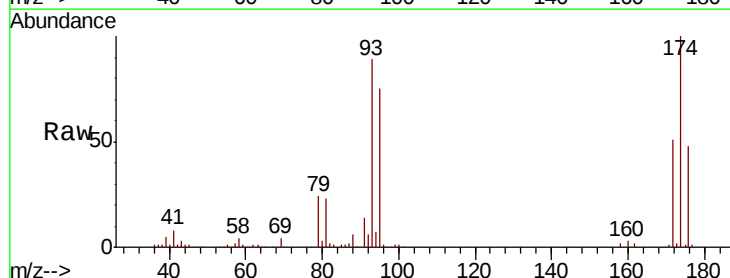
Tgt Ion: 93 Resp: 832909

Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

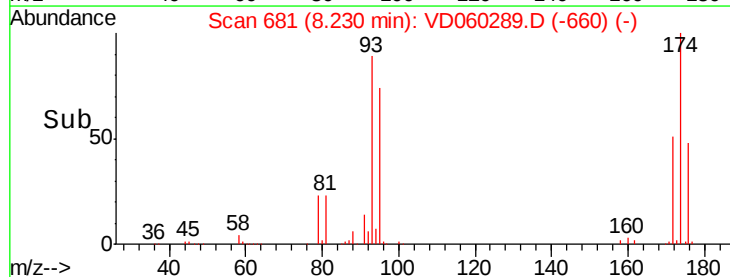
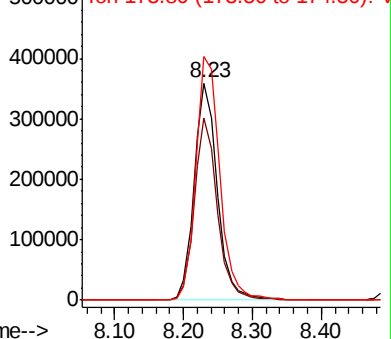
174 112.3 87.8 131.8

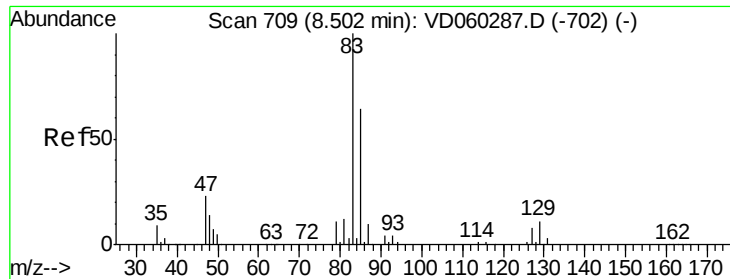


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 100.485 ug/l

RT: 8.51 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

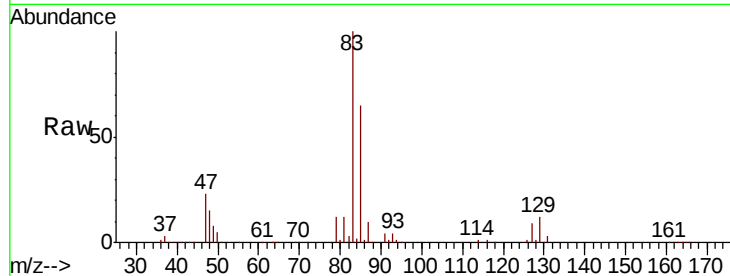
Tot Ion: 83 Resp: 1945290

Ion Ratio Lower Upper

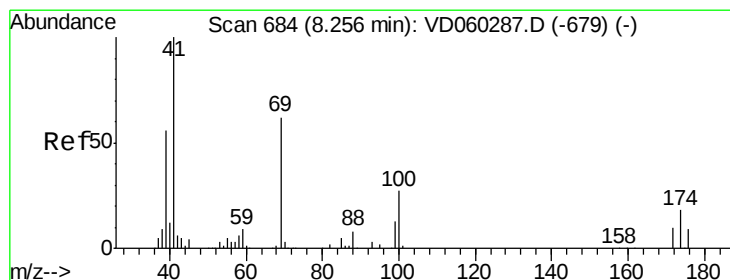
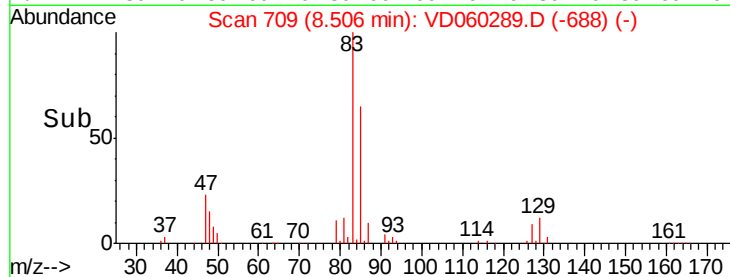
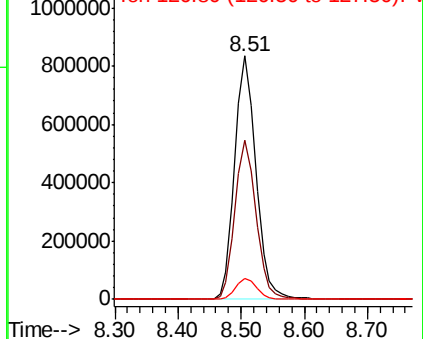
83 100

85 65.5 51.0 76.6

127 8.6 6.2 9.4



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: 104.420 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

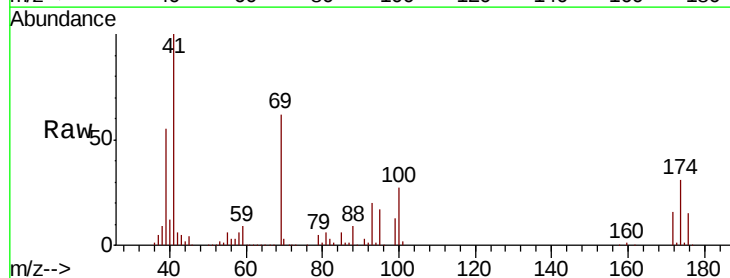
Tgt Ion: 41 Resp: 785516

Ion Ratio Lower Upper

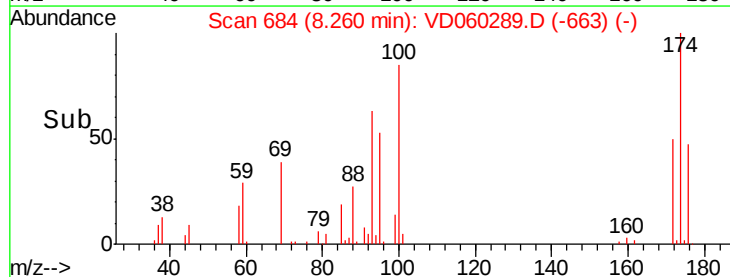
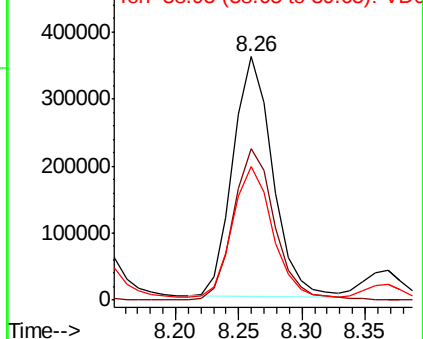
41 100

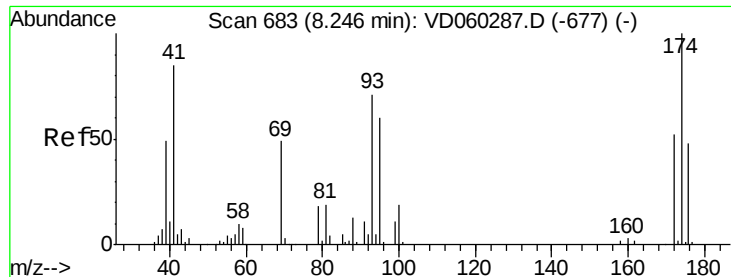
69 62.4 47.0 70.4

39 55.1 46.2 69.4



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

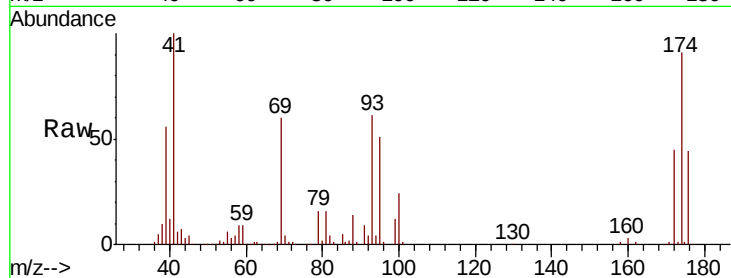




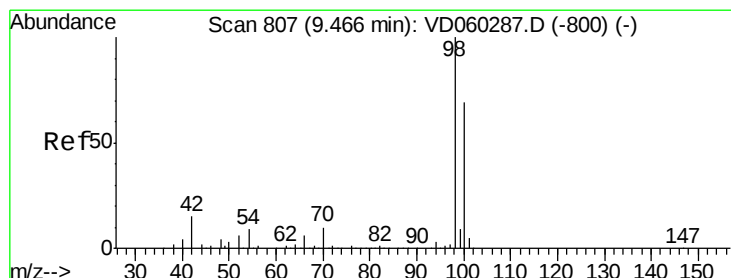
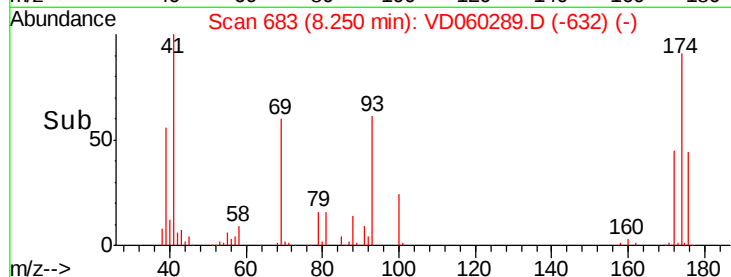
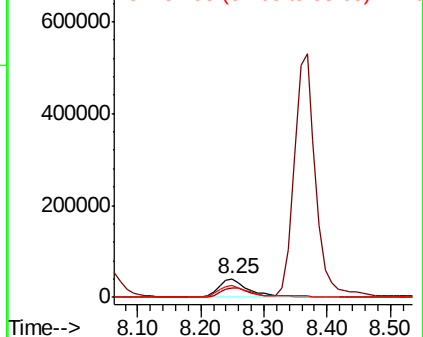
#49
1,4-Dioxane
Concen: 2008.818 ug/l
RT: 8.25 min Scan# 683
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 88 Resp: 135291
Ion Ratio Lower Upper
88 100
43 49.6 39.7 59.5
58 62.3 60.2 90.2

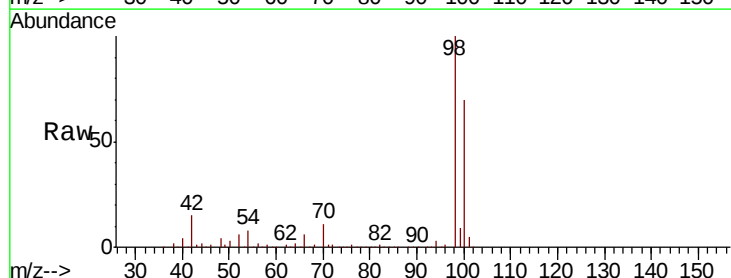


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

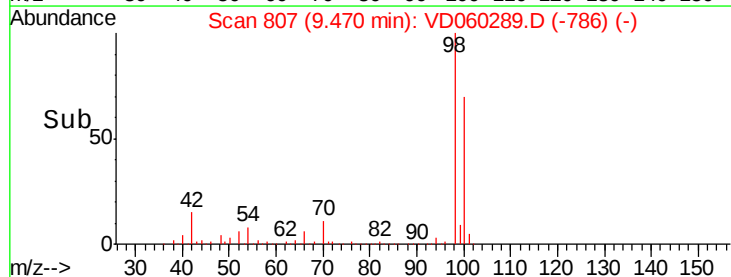
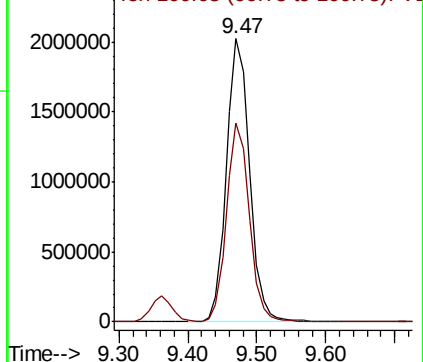


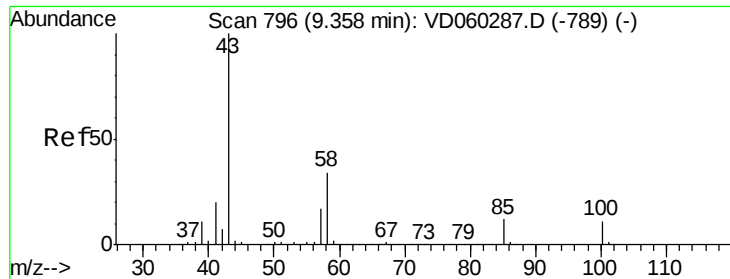
#50
Toluene-d8
Concen: 2008.818 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 98 Resp: 4696173
Ion Ratio Lower Upper
98 100
100 70.4 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 498.006 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

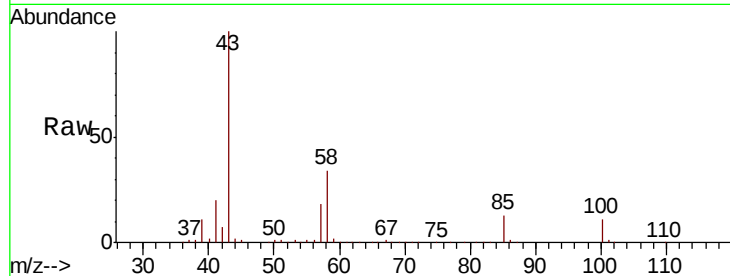
VSTDIC100

Tot Ion: 43 Resp: 3946411

Ion Ratio Lower Upper

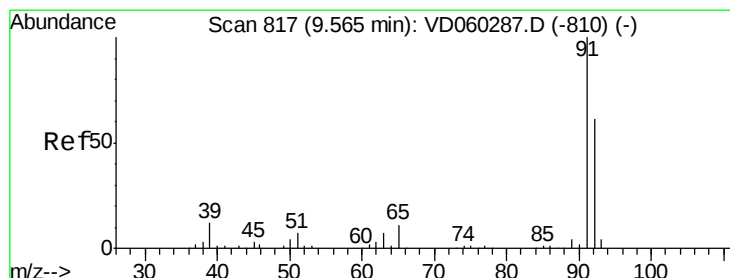
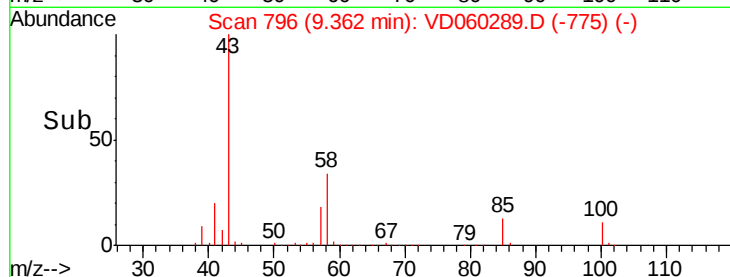
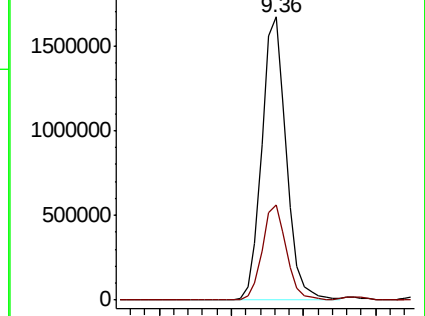
43 100

58 33.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 97.197 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060289.D

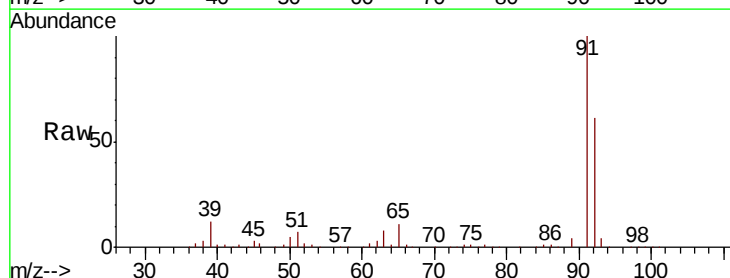
Acq: 6 Nov 2018 13:28

Tgt Ion: 92 Resp: 3458734

Ion Ratio Lower Upper

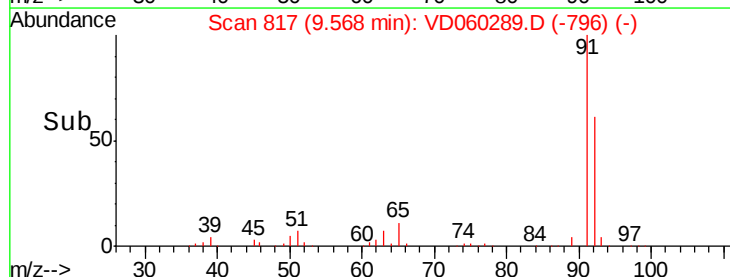
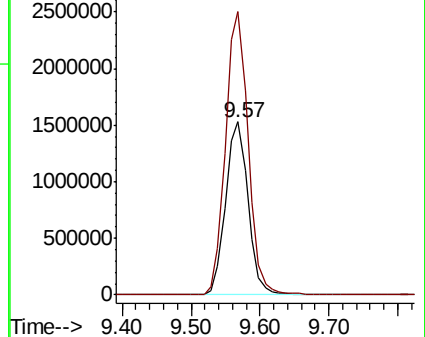
92 100

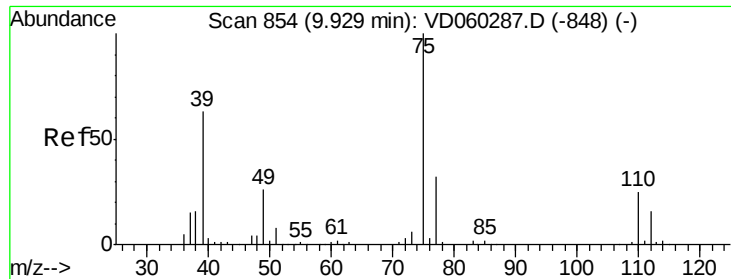
91 163.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

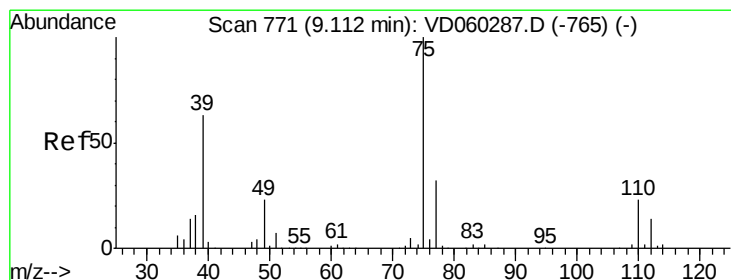
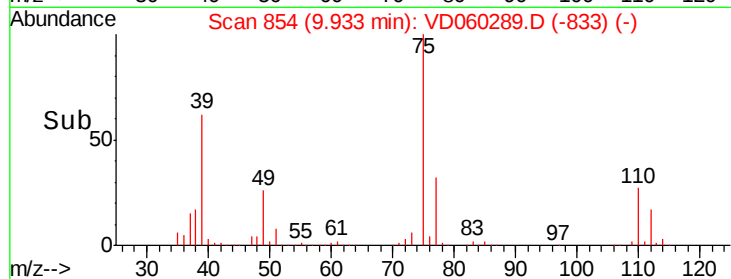
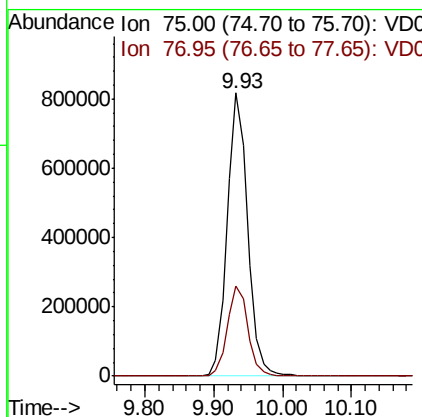
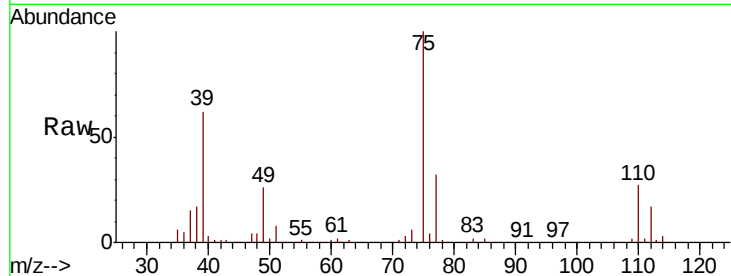




#53
 t-1,3-Dichloropropene
 Concen: 104.293 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

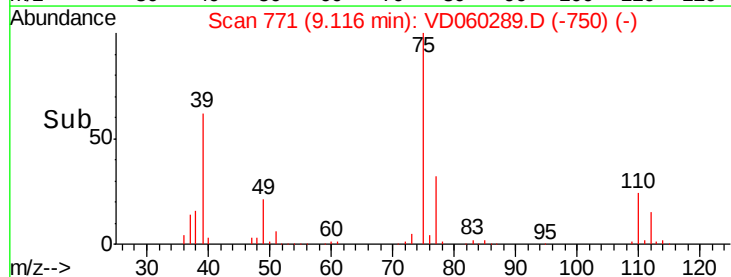
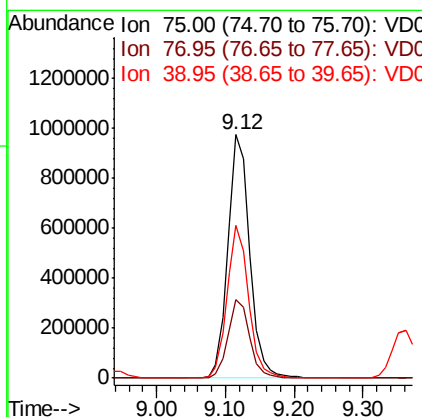
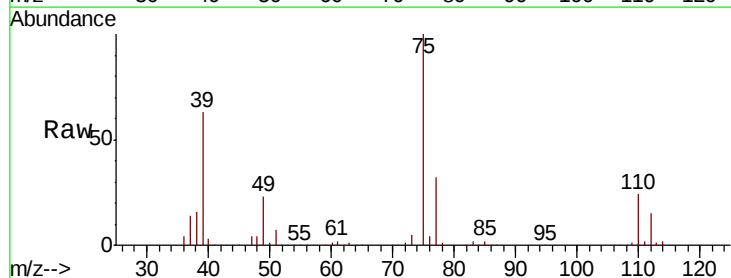
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 1674994
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 101.900 ug/l
 RT: 9.12 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 75 Resp: 2135412
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5
 39 62.7 50.8 76.2



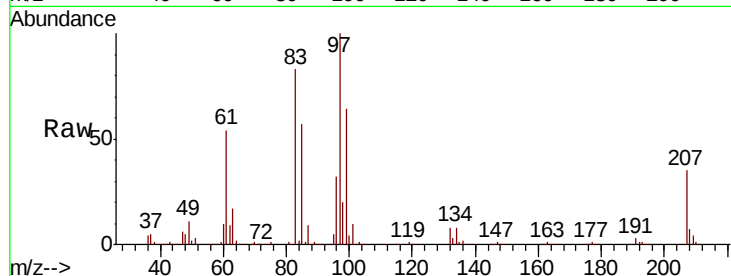


#55
 1,1,2-Trichloroethane
 Concen: 97.472 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

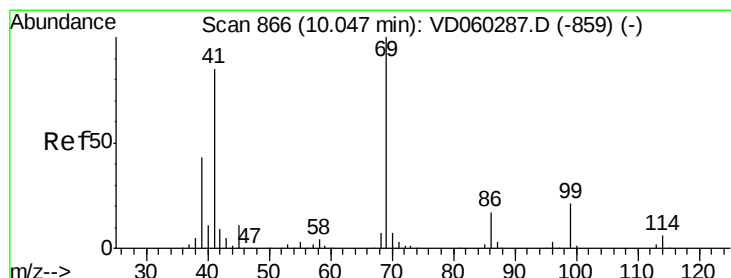
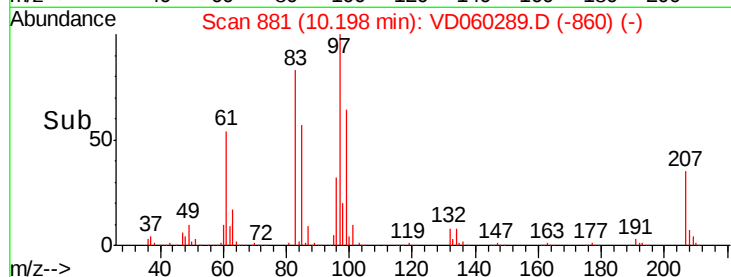
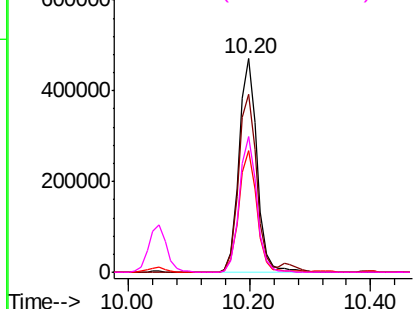
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 970339

Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.4	102.6
85	56.7	46.8	70.2
99	63.7	49.5	74.3



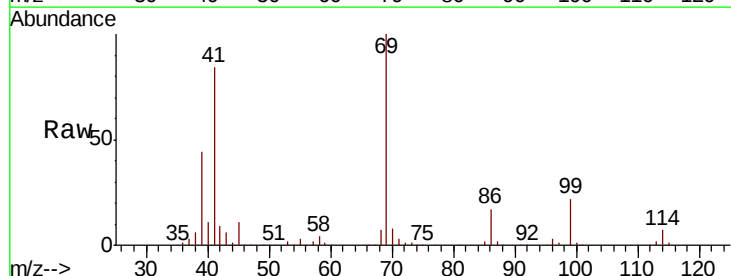
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



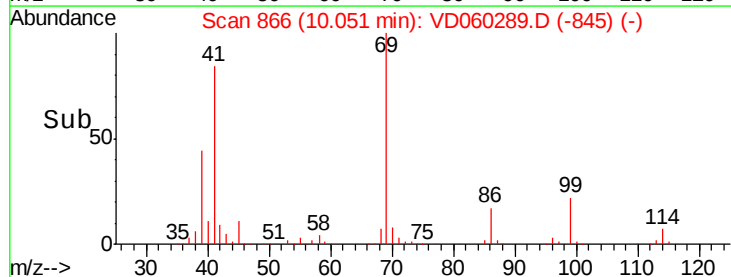
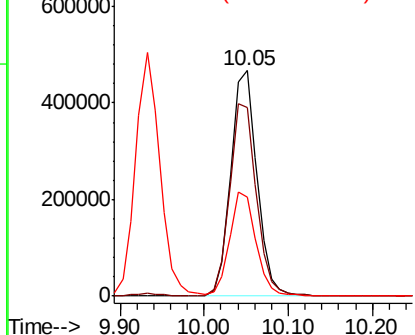
#56
 Ethyl methacrylate
 Concen: 107.187 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 69 Resp: 1014331

Ion	Ratio	Lower	Upper
69	100		
41	83.8	69.0	103.4
39	43.9	36.6	54.8



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: 102.793 ug/l

RT: 10.40 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

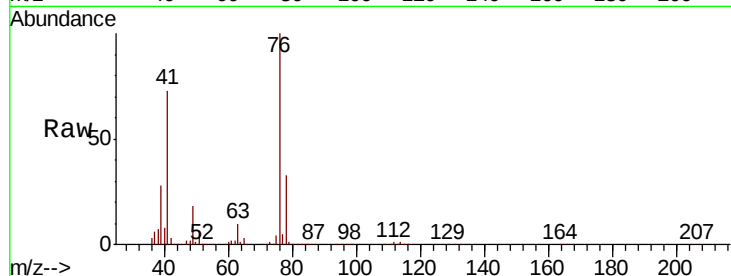
VSTDIC100

Tot Ion: 76 Resp: 1563667

Ion Ratio Lower Upper

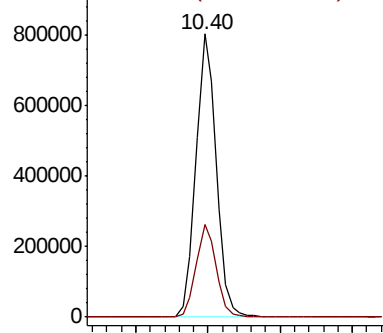
76 100

78 32.6 25.9 38.9

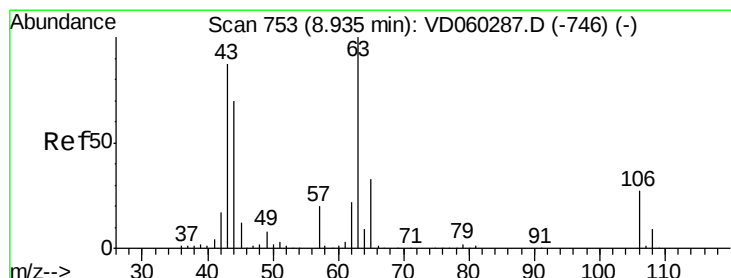
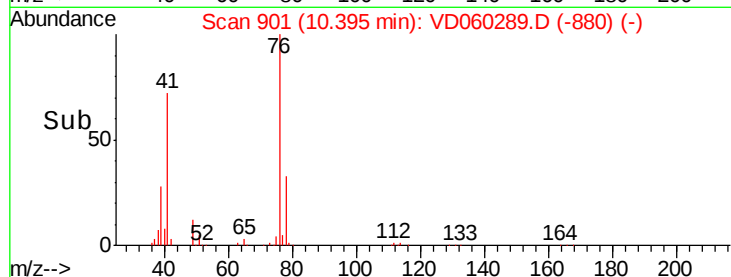


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 494.068 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060289.D

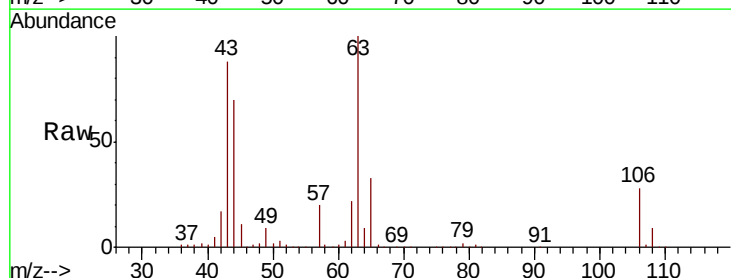
Acq: 6 Nov 2018 13:28

Tgt Ion: 63 Resp: 2764272

Ion Ratio Lower Upper

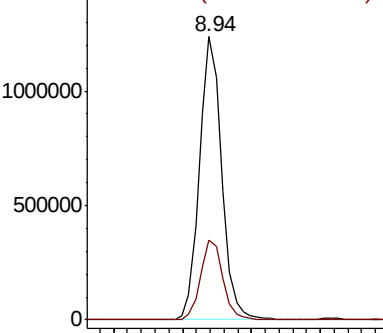
63 100

106 28.1 21.5 32.3

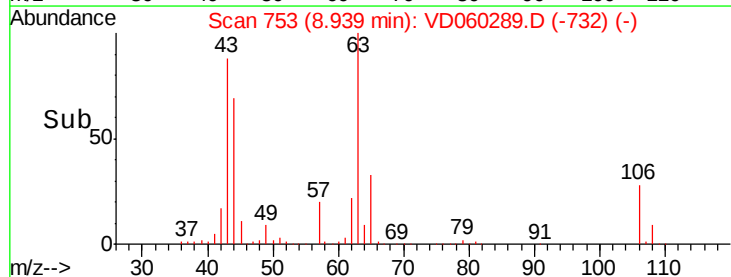


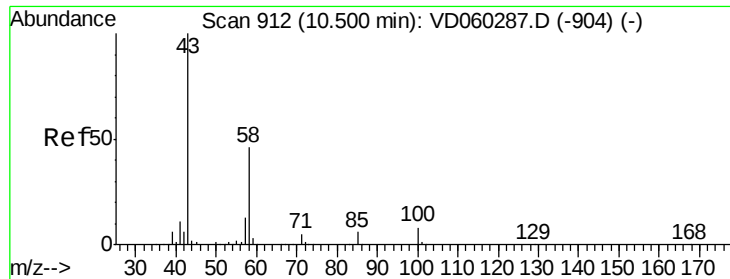
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time-->

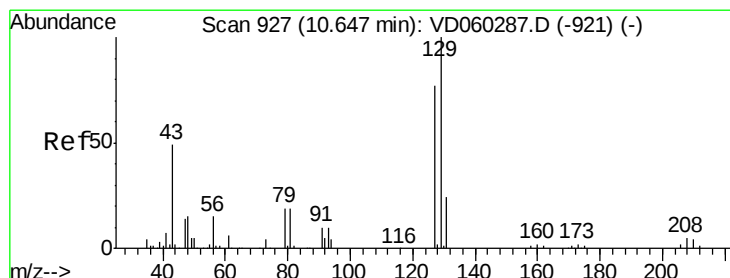
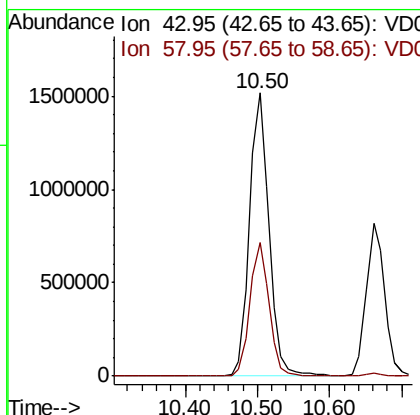
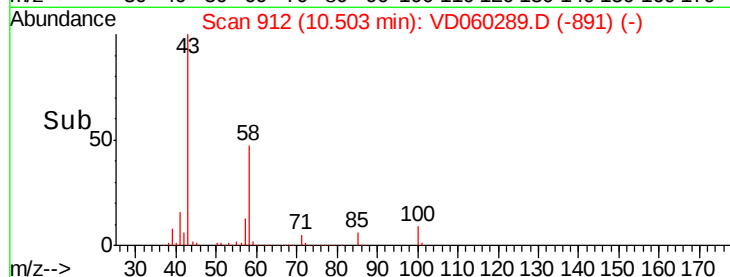
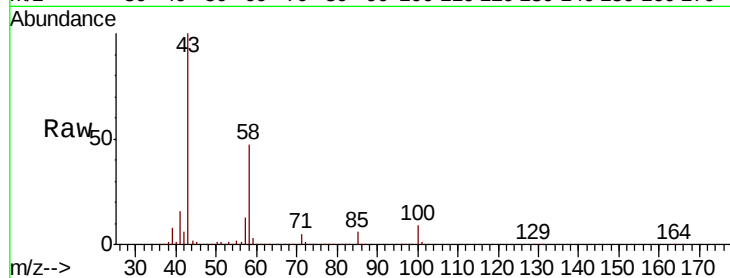




#59
2-Hexanone
Concen: 492.529 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

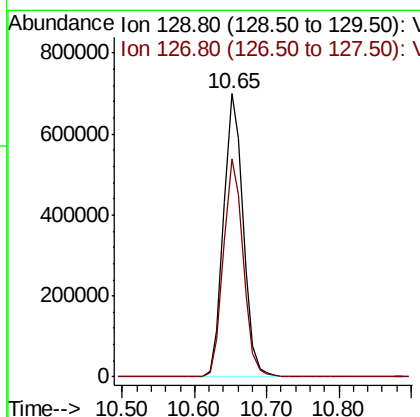
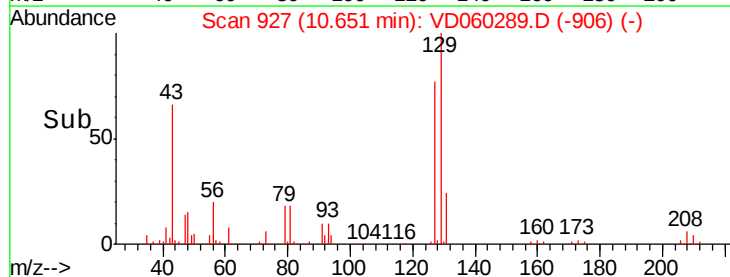
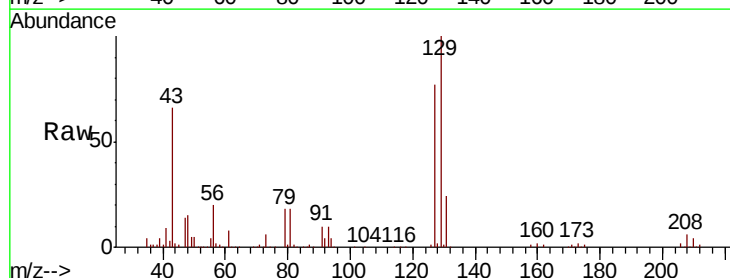
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

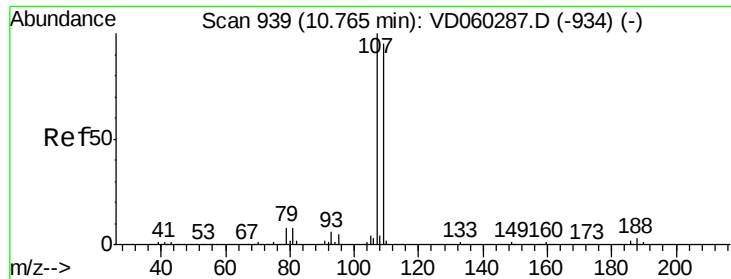
Tot Ion: 43 Resp: 2874570
Ion Ratio Lower Upper
43 100
58 47.2 22.9 68.5



#60
Dibromochloromethane
Concen: 104.865 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 129 Resp: 1323313
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6

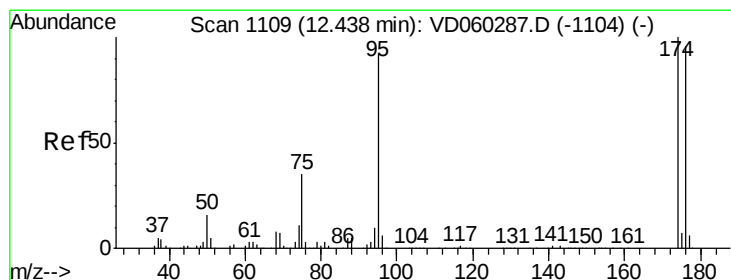
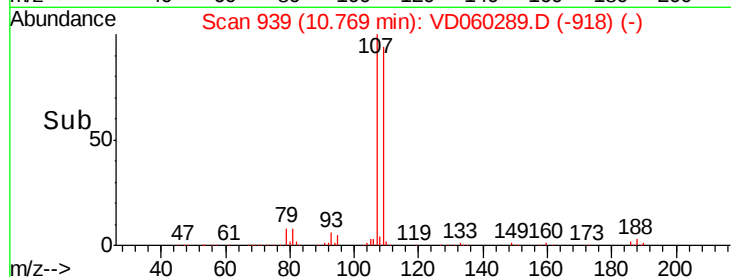
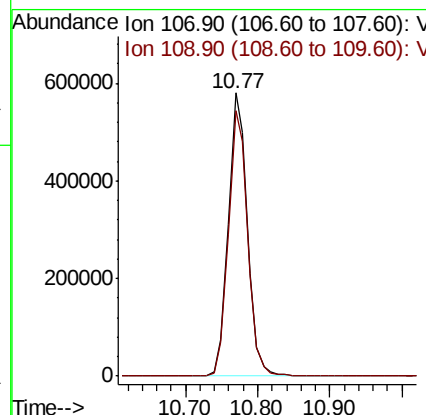
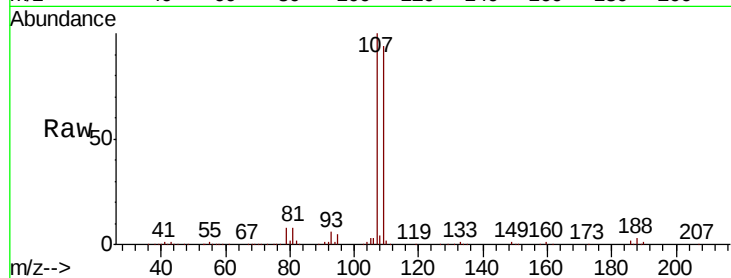




#61
 1,2-Dibromoethane
 Concen: 104.427 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

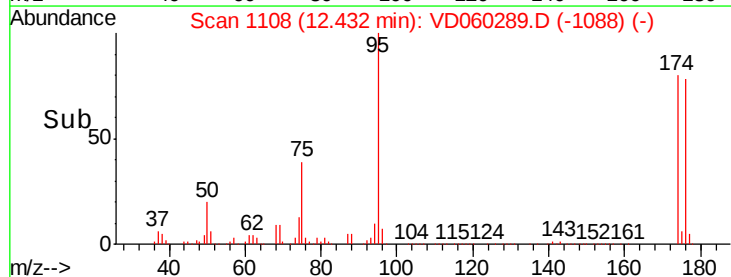
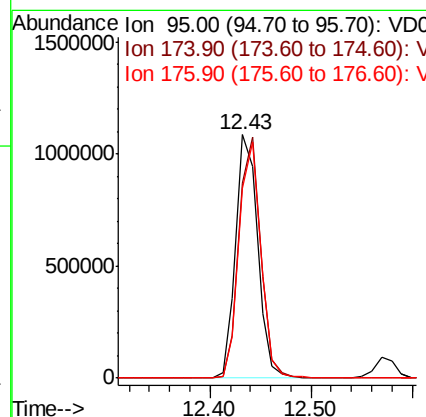
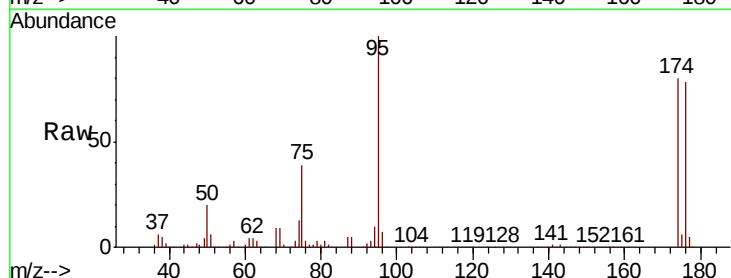
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

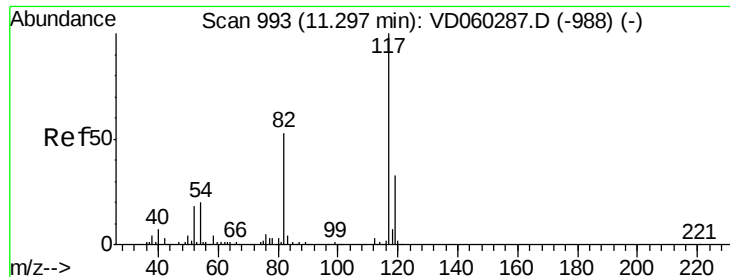
Tot Ion:107 Resp: 1054747
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 104.427 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion: 95 Resp: 1651192
 Ion Ratio Lower Upper
 95 100
 174 80.2 0.0 160.8
 176 77.8 0.0 154.6

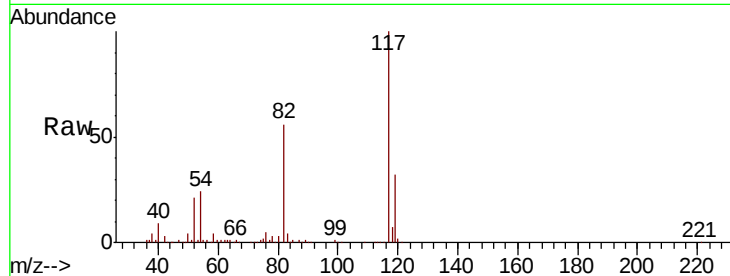




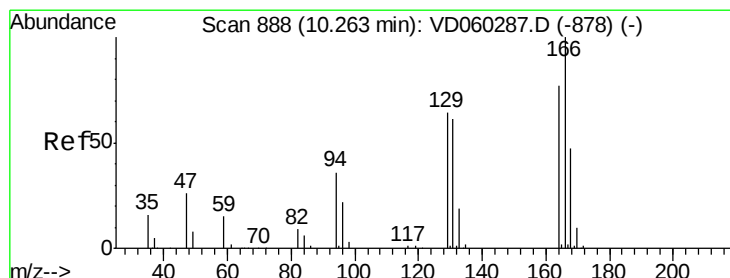
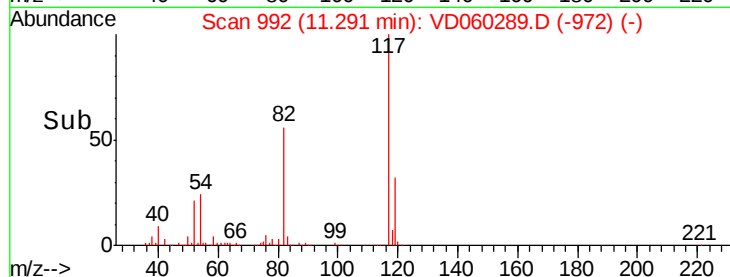
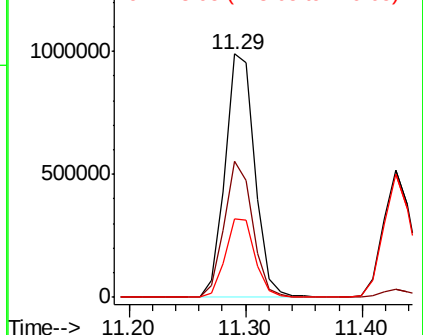
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1748952
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 32.1 26.1 39.1

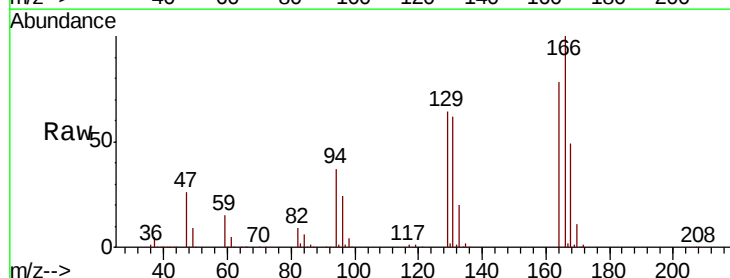


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

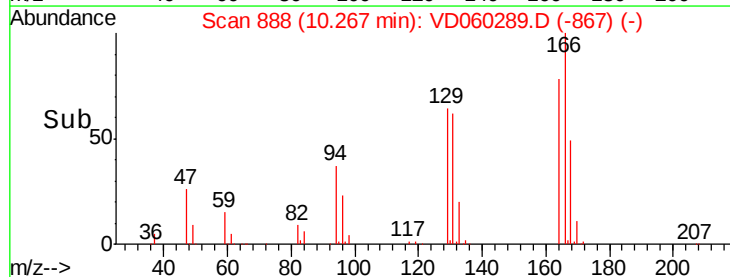
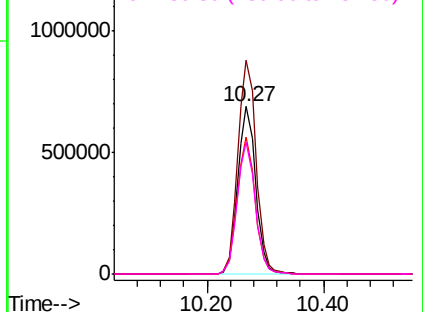


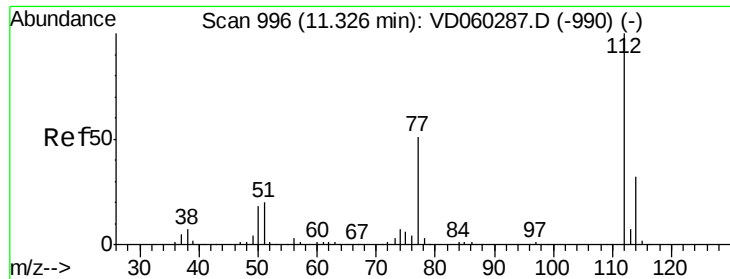
#64
Tetrachloroethene
Concen: 96.422 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion:164 Resp: 1477676
Ion Ratio Lower Upper
164 100
166 127.6 103.7 155.5
129 82.2 65.6 98.4
131 79.0 64.4 96.6



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: 95.317 ug/l

RT: 11.33 min Scan# 996

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

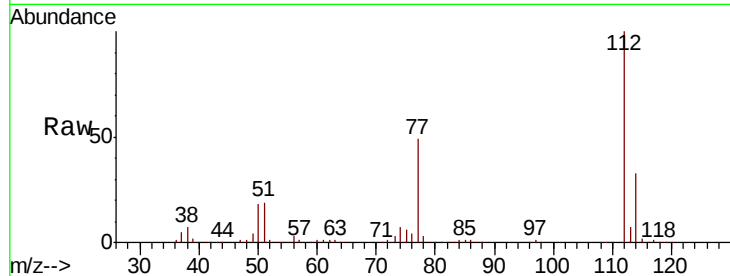
VSTDIC100

Tot Ion:112 Resp: 3572219

Ion Ratio Lower Upper

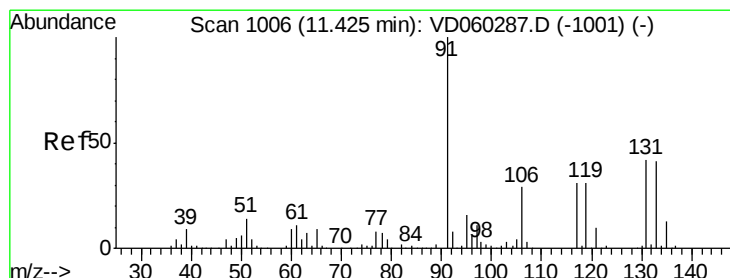
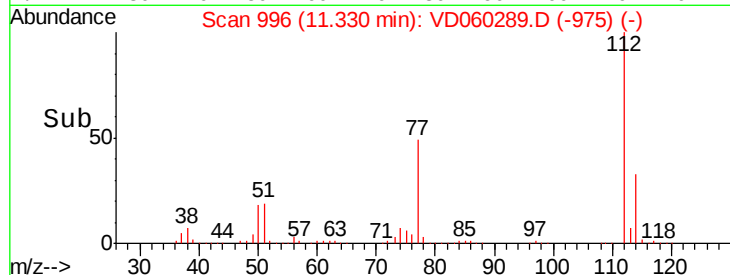
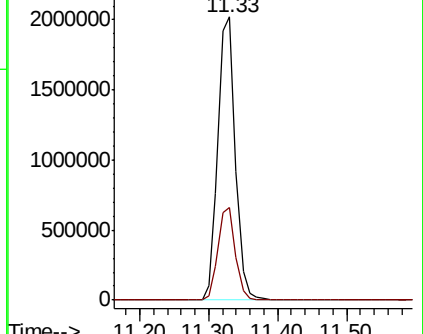
112 100

114 32.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 94.211 ug/l

RT: 11.43 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

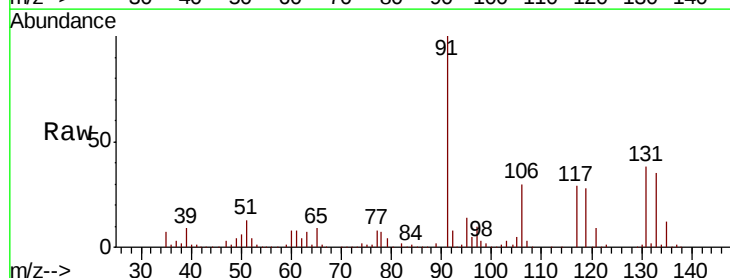
Tgt Ion:131 Resp: 1164966

Ion Ratio Lower Upper

131 100

133 94.2 50.0 150.0

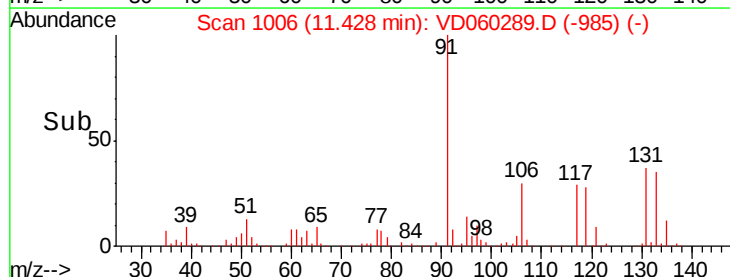
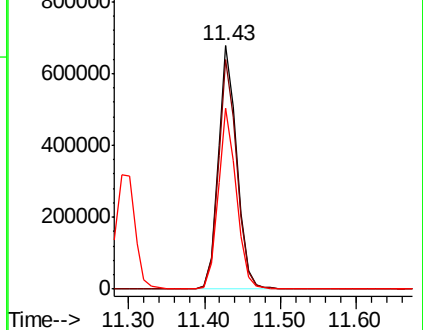
119 74.3 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

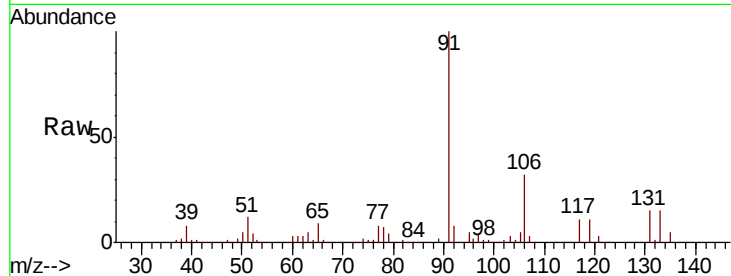




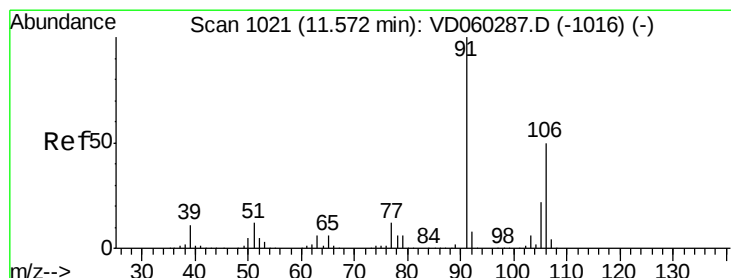
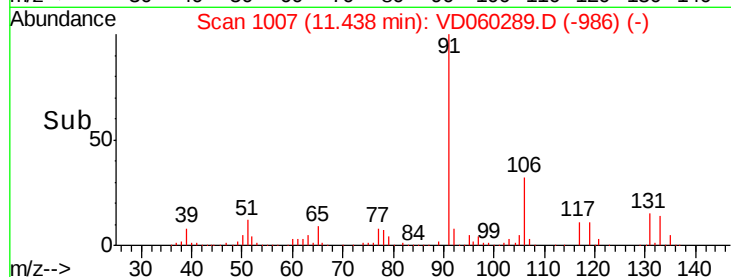
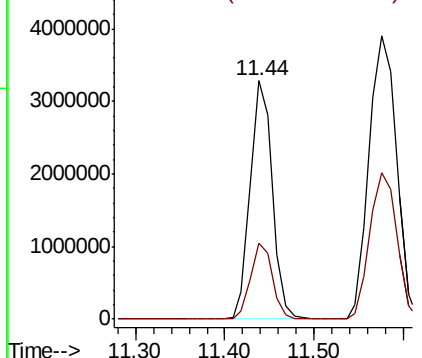
#67
Ethyl Benzene
Concen: 87.472 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 5597584
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

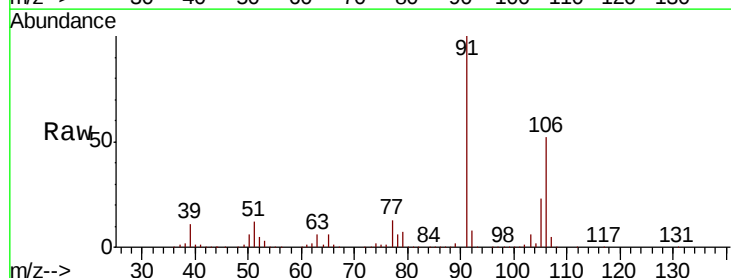


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

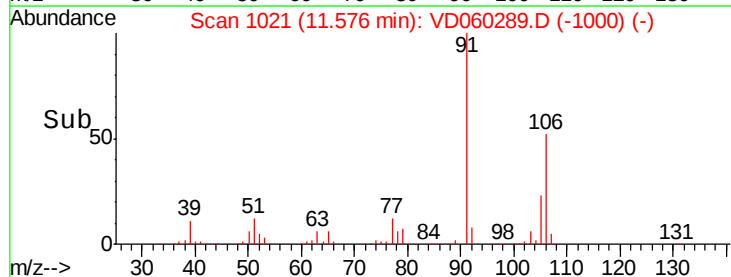
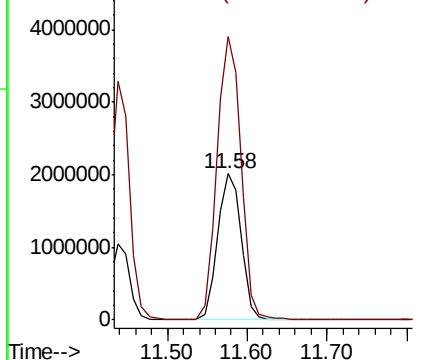


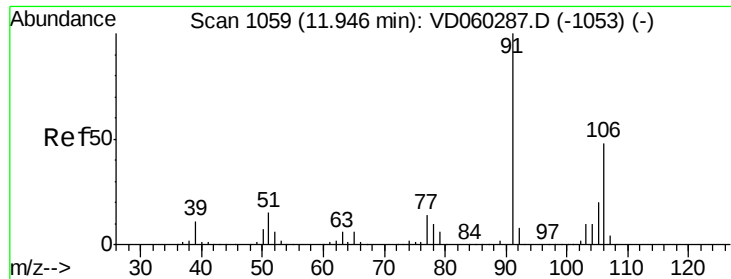
#68
m/p-Xylenes
Concen: 177.969 ug/l
RT: 11.58 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 106 Resp: 4203776
Ion Ratio Lower Upper
106 100
91 193.7 159.4 239.2



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

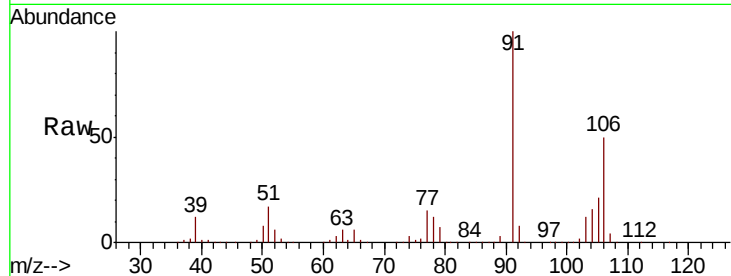




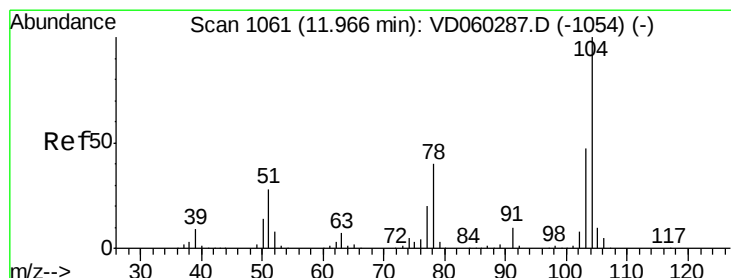
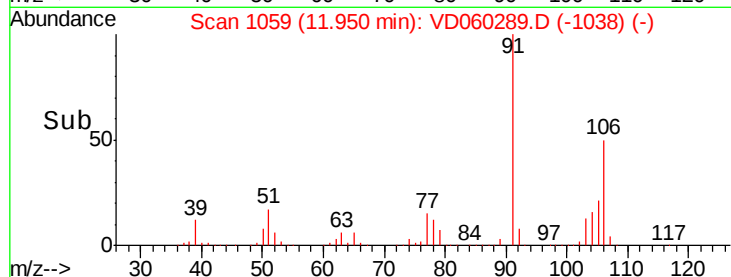
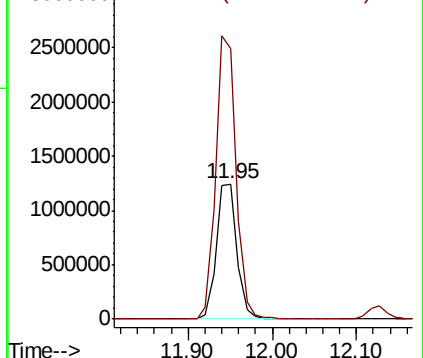
#69
o-Xylene
Concen: 91.420 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 2098124
Ion Ratio Lower Upper
106 100
91 199.5 109.2 327.6

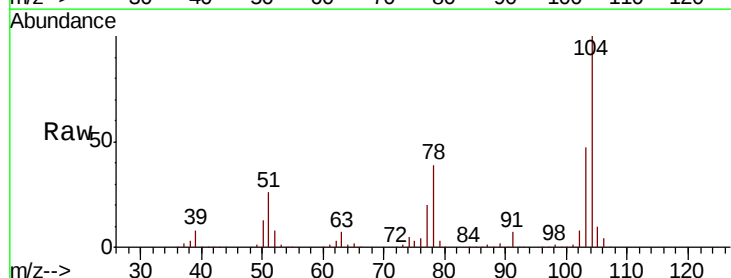


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

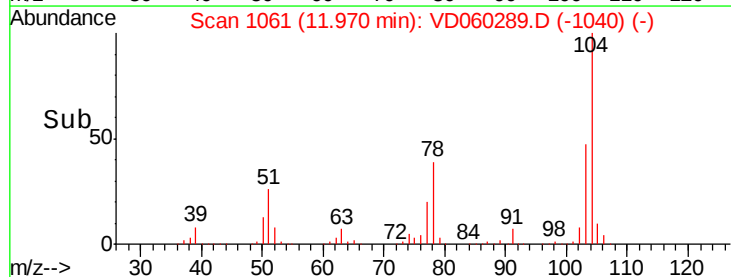
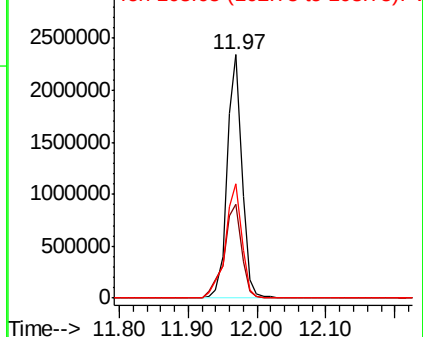


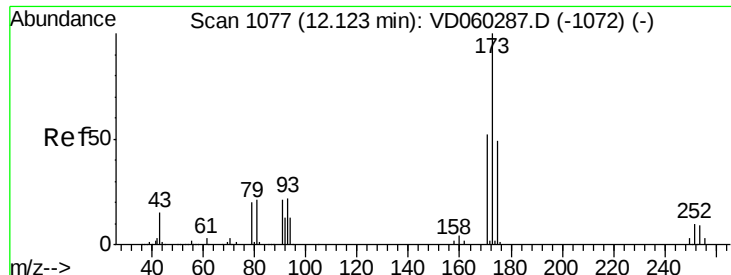
#70
Styrene
Concen: 93.711 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion:104 Resp: 3463374
Ion Ratio Lower Upper
104 100
78 38.7 31.6 47.4
103 46.8 37.0 55.6



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





#71

Bromoform

Concen: 114.193 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

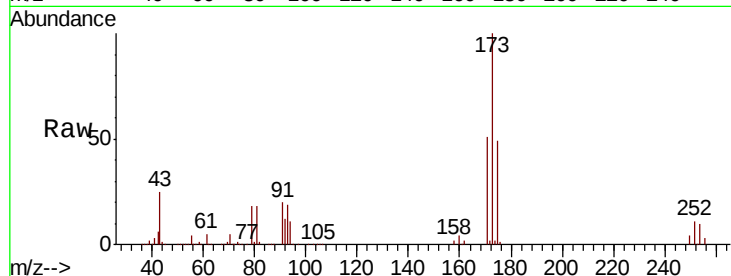
Tot Ion:173 Resp: 905062

Ion Ratio Lower Upper

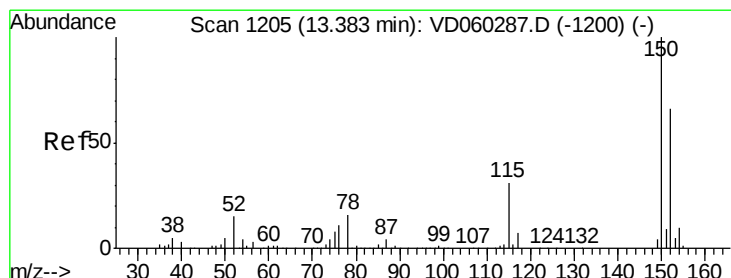
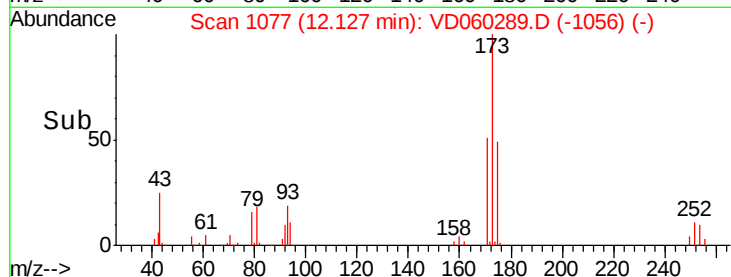
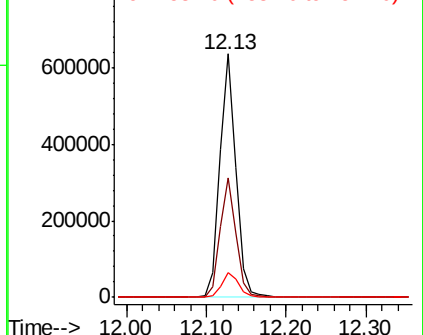
173 100

175 49.3 24.3 73.0

254 10.3 8.3 12.5



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: 13.38 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

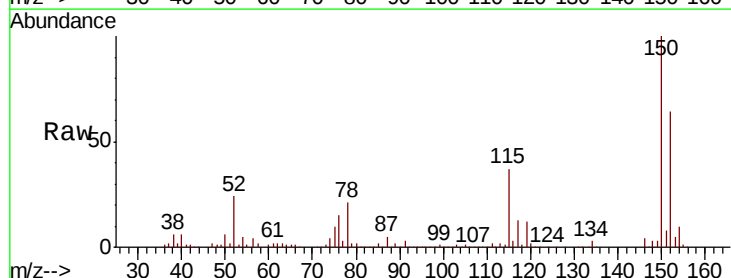
Tgt Ion:152 Resp: 863683

Ion Ratio Lower Upper

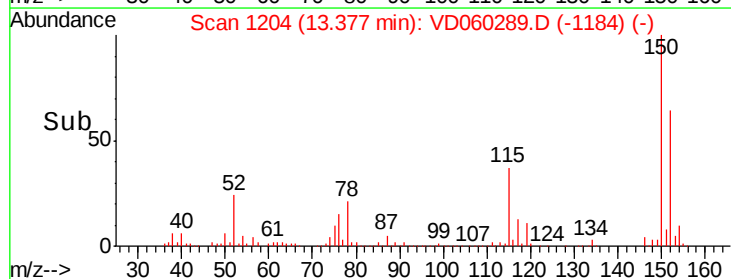
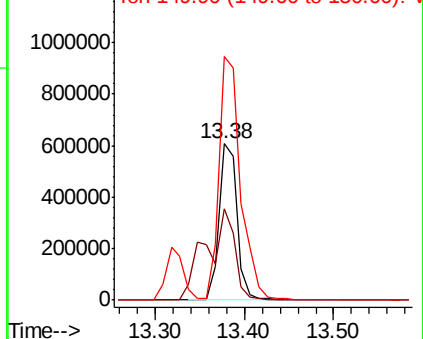
152 100

115 58.4 24.1 72.3

150 155.8 0.0 310.6



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: 94.683 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

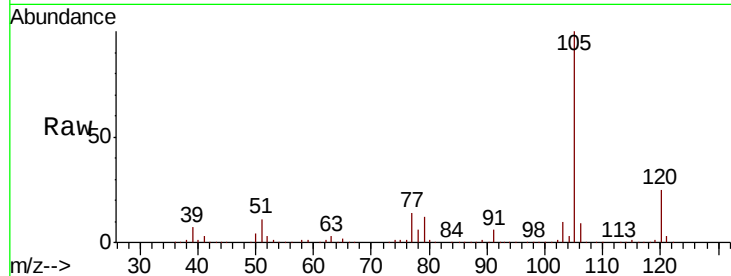
VSTDIC100

Tot Ion:105 Resp: 5767057

Ion Ratio Lower Upper

105 100

120 25.1 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.28

4000000

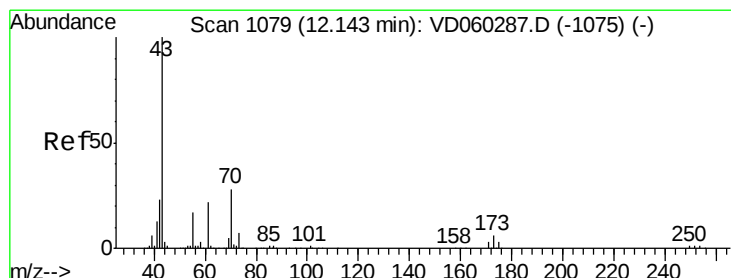
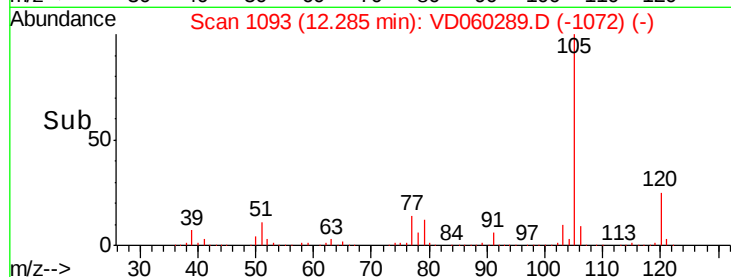
3000000

2000000

1000000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 108.978 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Tgt Ion: 43 Resp: 1684844

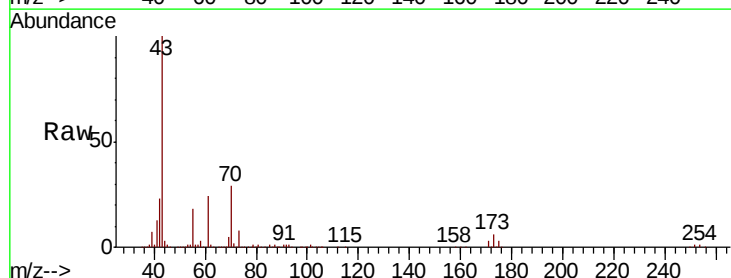
Ion Ratio Lower Upper

43 100

70 29.5 23.0 34.4

55 17.9 14.2 21.4

61 23.8 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

12.15

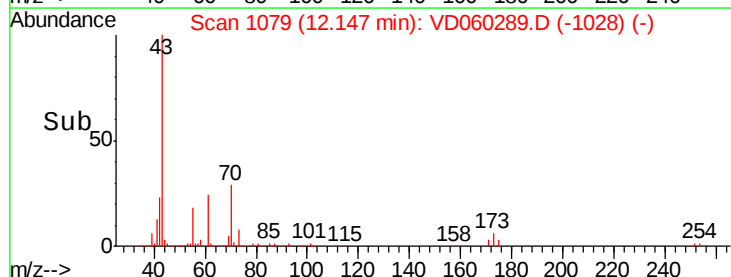
1500000

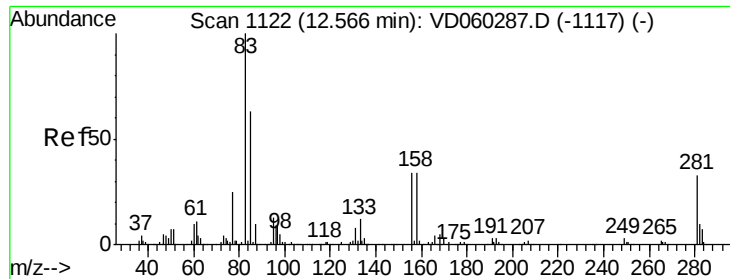
1000000

500000

0

Time--> 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 104.717 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

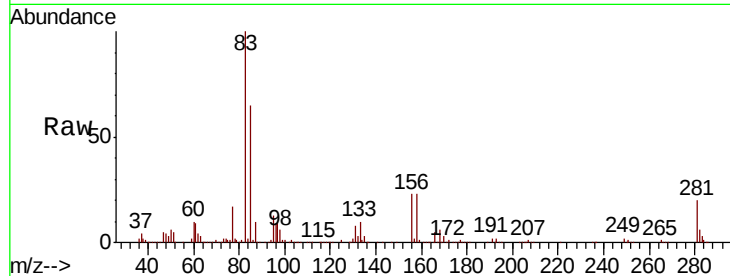
Tot Ion: 83 Resp: 1029371

Ion Ratio Lower Upper

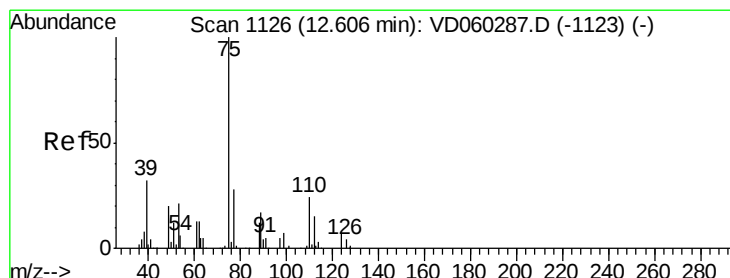
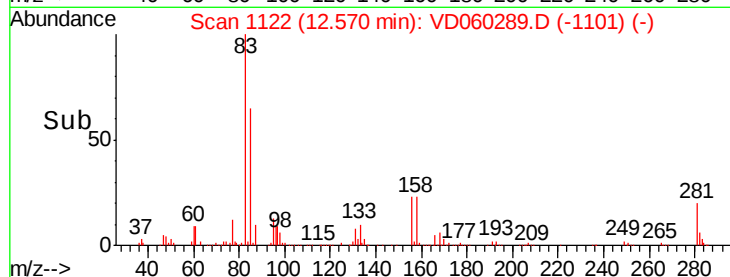
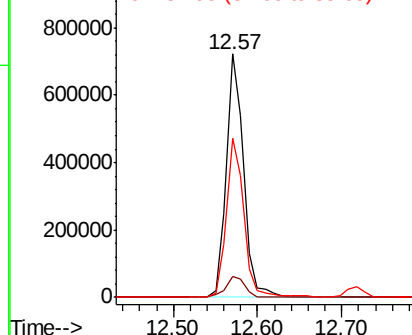
83 100

131 8.4 3.9 11.5

85 65.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 107.293 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060289.D

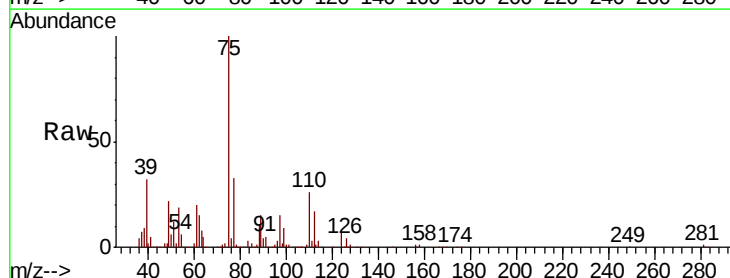
Acq: 6 Nov 2018 13:28

Tgt Ion: 75 Resp: 1052052

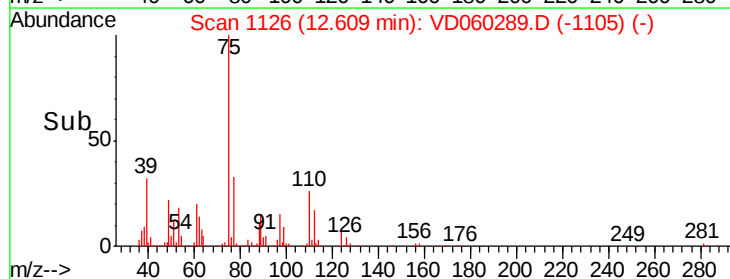
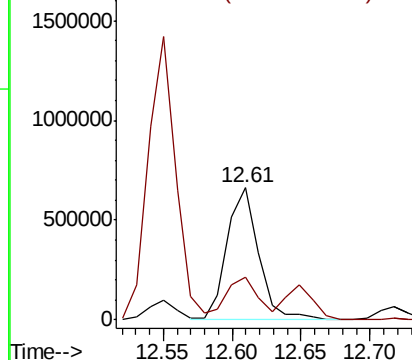
Ion Ratio Lower Upper

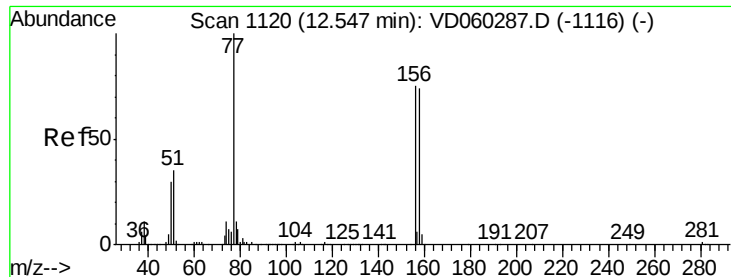
75 100

77 32.8 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 98.950 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

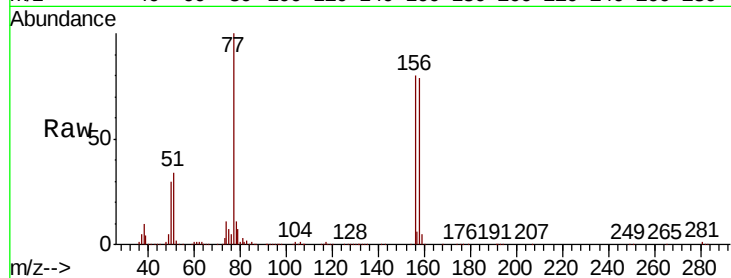
Tot Ion:156 Resp: 1609732

Ion Ratio Lower Upper

156 100

77 125.4 61.2 183.6

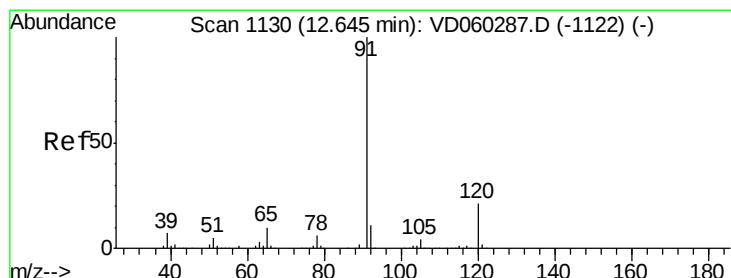
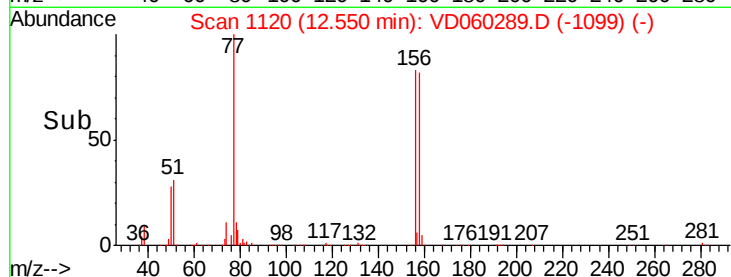
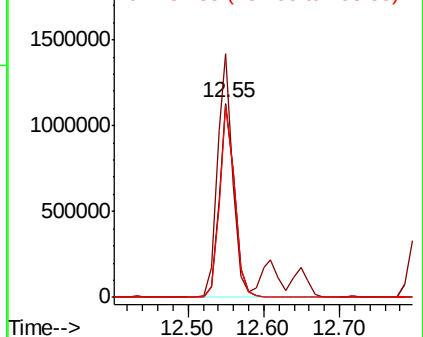
158 99.2 49.2 147.6



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: 90.136 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060289.D

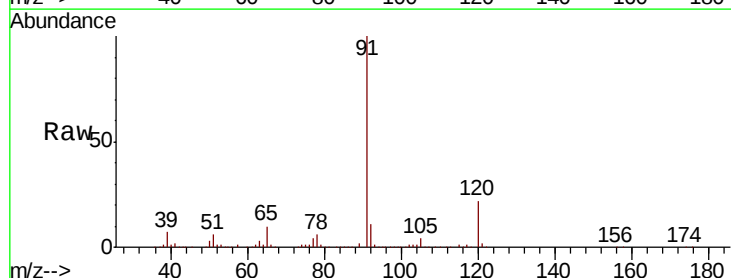
Acq: 6 Nov 2018 13:28

Tgt Ion: 91 Resp: 6902346

Ion Ratio Lower Upper

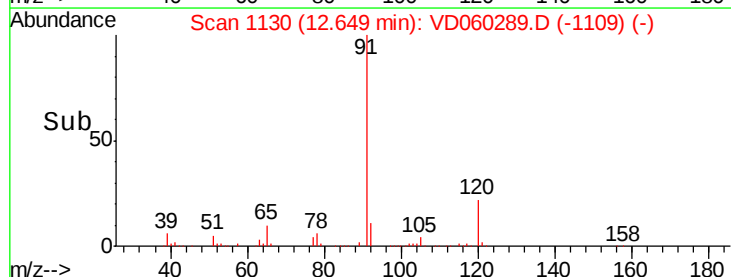
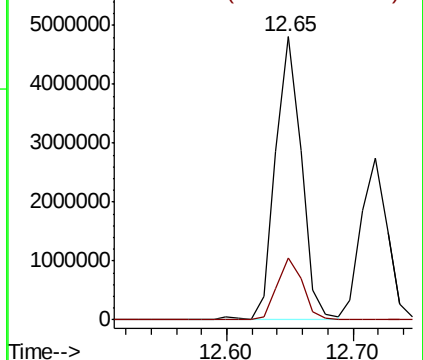
91 100

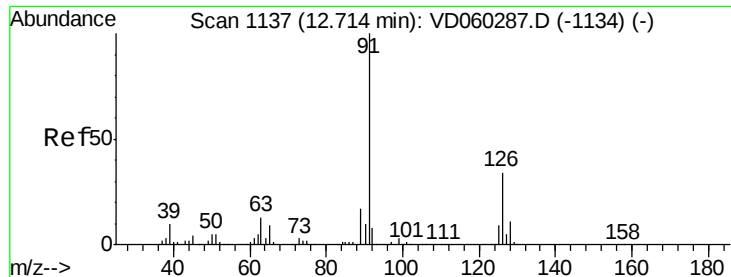
120 22.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 94.055 ug/l

RT: 12.72 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

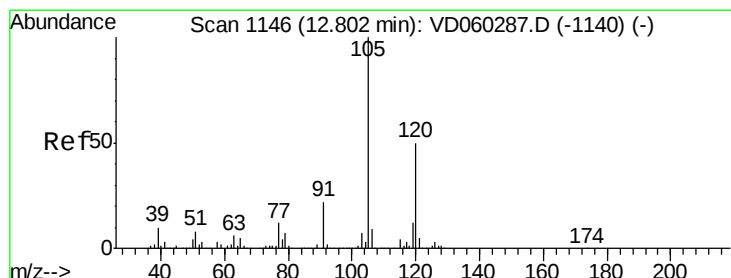
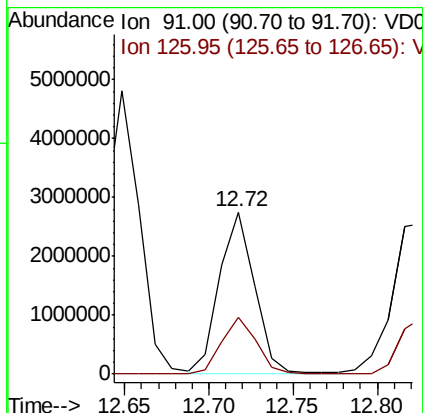
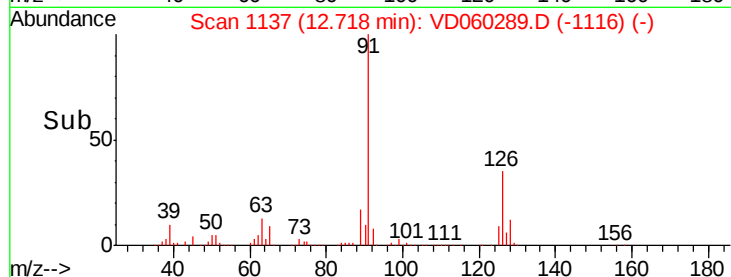
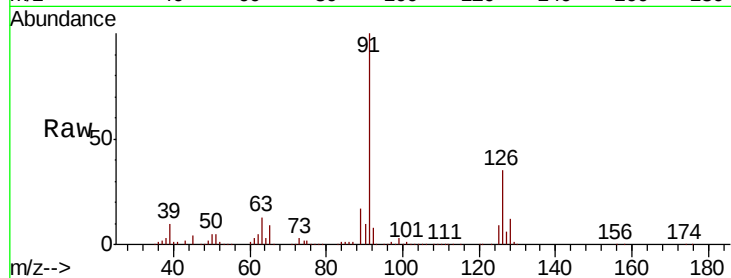
VSTDIC100

Tot Ion: 91 Resp: 3974602

Ion Ratio Lower Upper

91 100

126 35.5 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 93.230 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060289.D

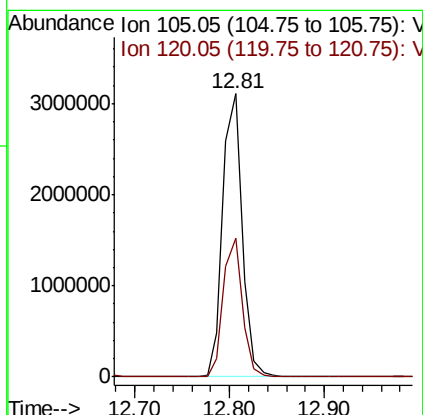
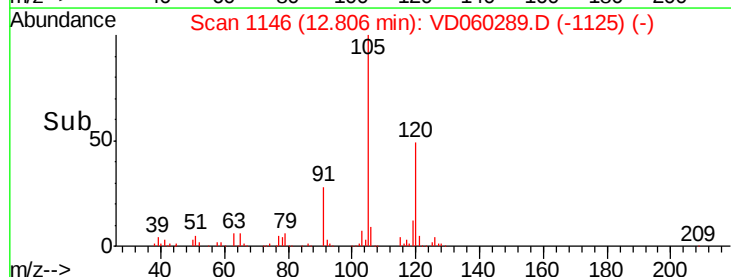
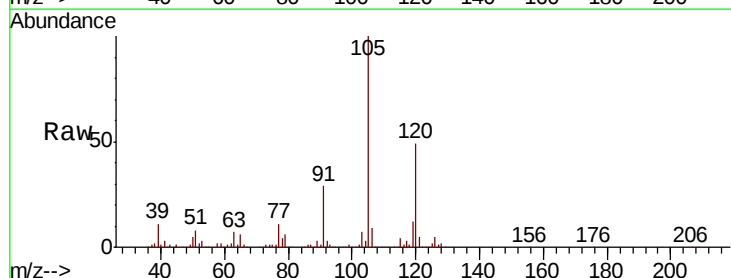
Acq: 6 Nov 2018 13:28

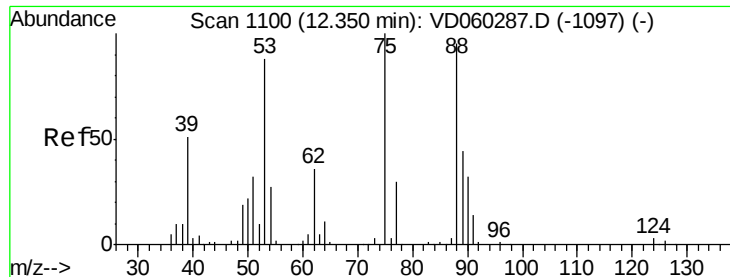
Tgt Ion: 105 Resp: 4412906

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 120.416 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

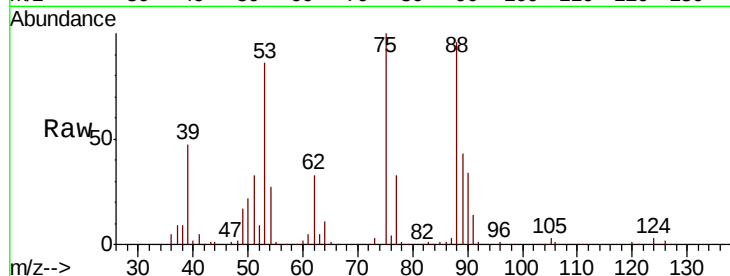
Tot Ion: 75 Resp: 318696

Ion Ratio Lower Upper

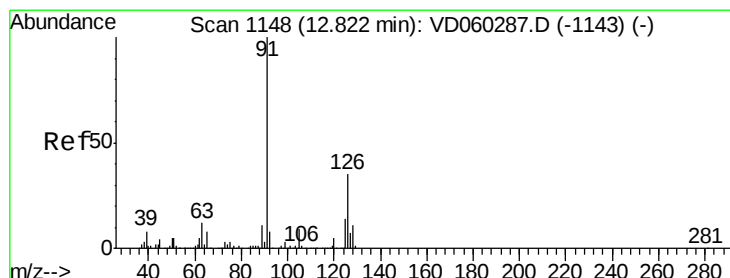
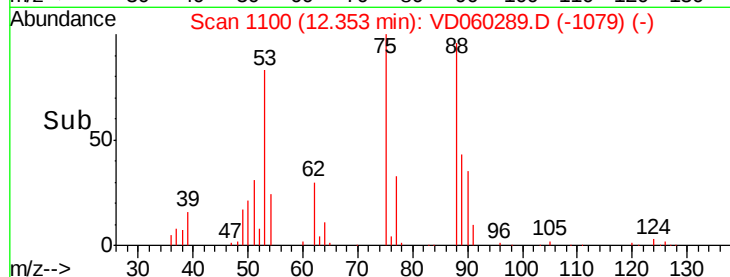
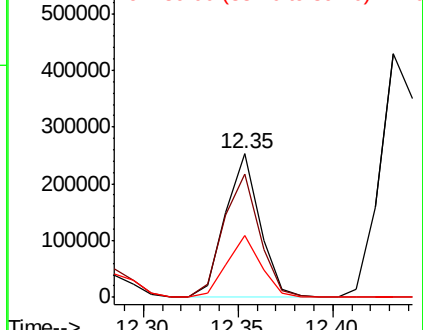
75 100

53 86.0 68.6 103.0

89 43.1 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 89.603 ug/l

RT: 12.83 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060289.D

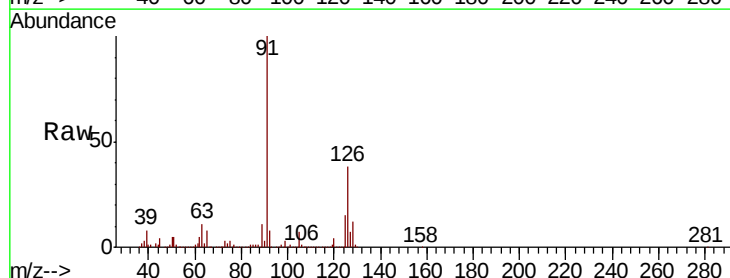
Acq: 6 Nov 2018 13:28

Tgt Ion: 91 Resp: 4224611

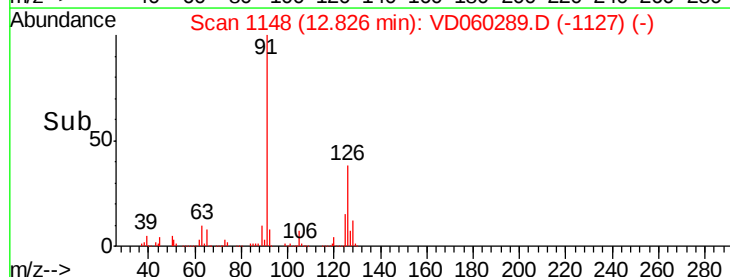
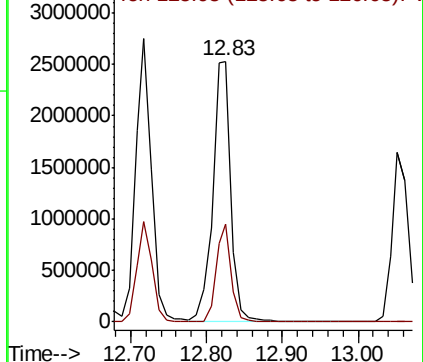
Ion Ratio Lower Upper

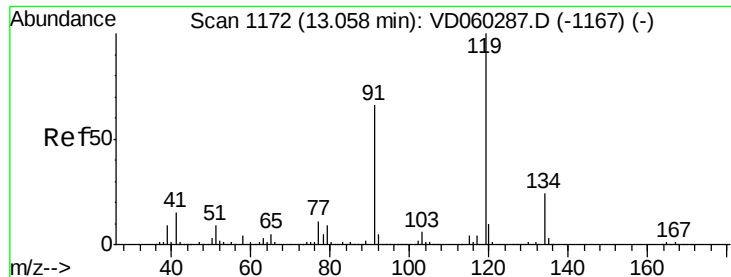
91 100

126 37.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

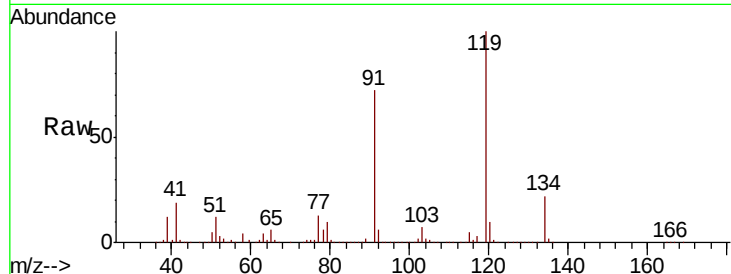




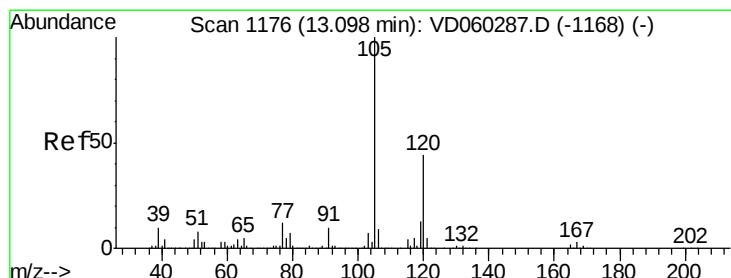
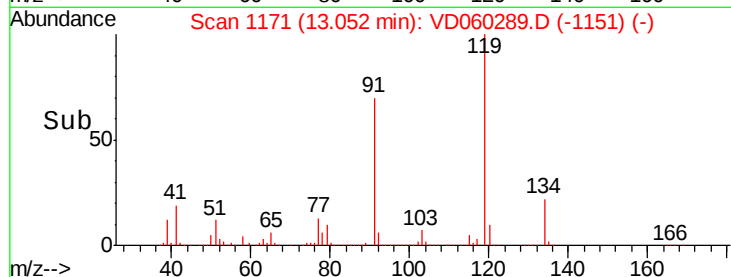
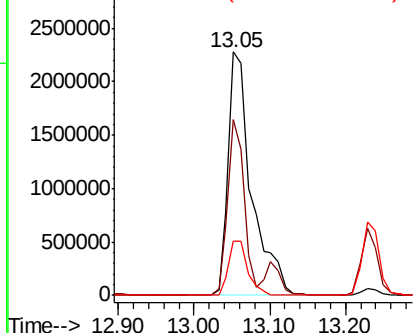
#83
 tert-Butylbenzene
 Concen: 93.169 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 4902433
 Ion Ratio Lower Upper
 119 100
 91 72.3 32.7 98.1
 134 22.3 12.1 36.3

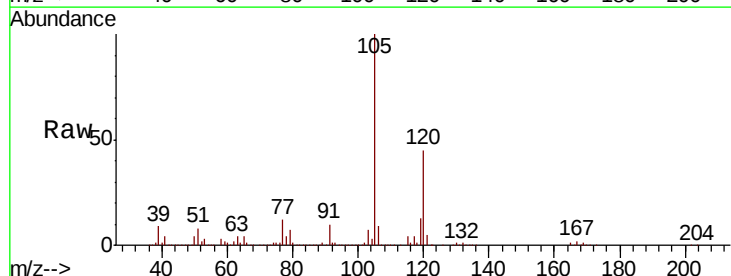


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

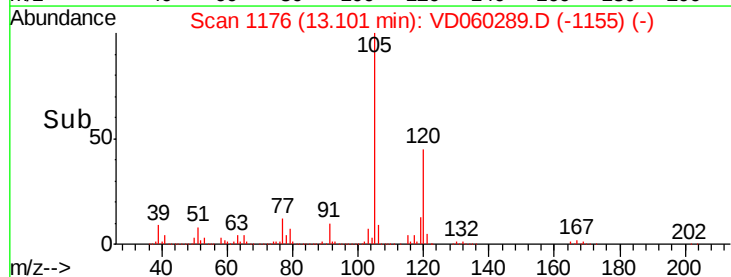
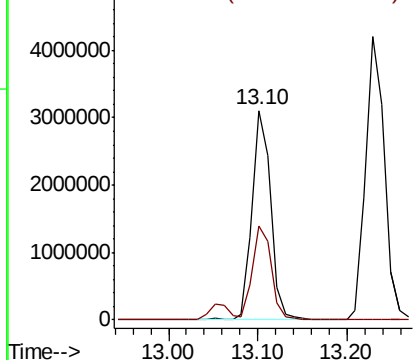


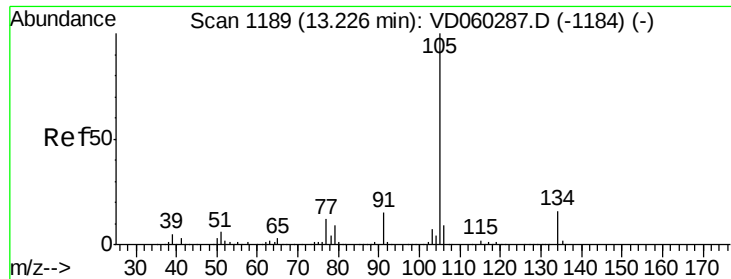
#84
 1,2,4-Trimethylbenzene
 Concen: 92.747 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion:105 Resp: 4455104
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

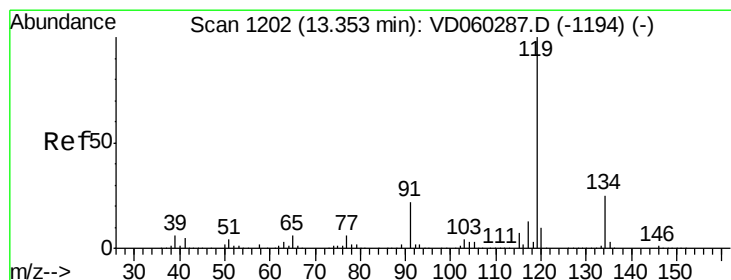
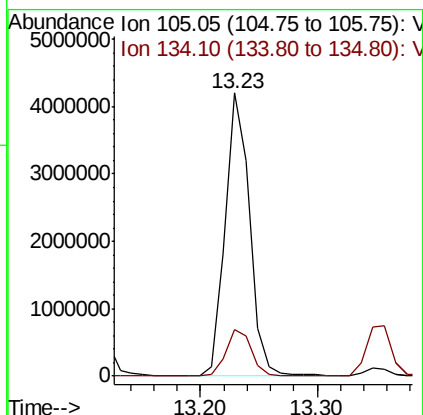
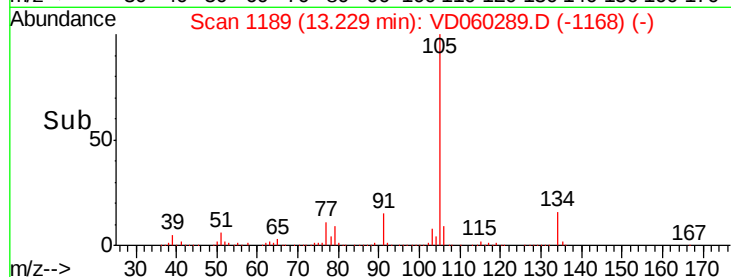
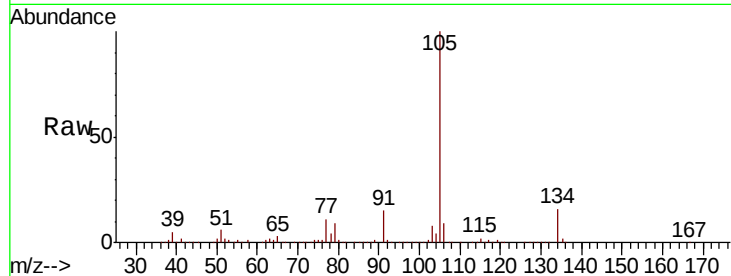




#85
 sec-Butylbenzene
 Concen: 94.668 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

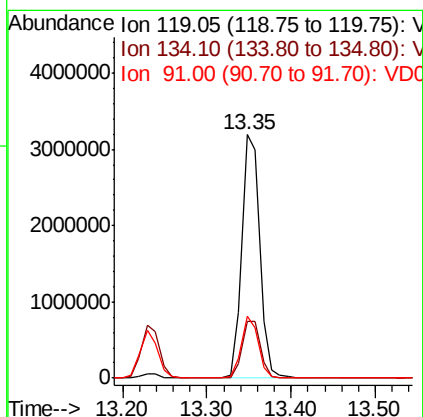
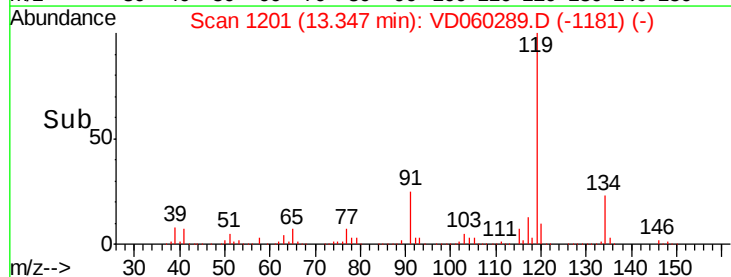
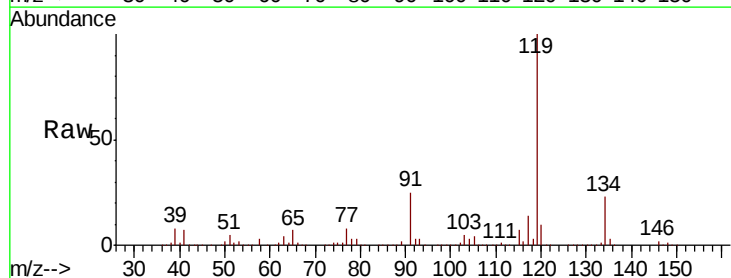
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

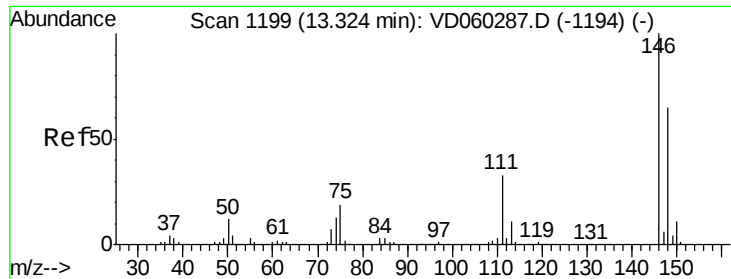
Tot Ion:105 Resp: 6076263
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 92.843 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion:119 Resp: 4736141
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.9 38.6
 91 25.2 11.3 33.8

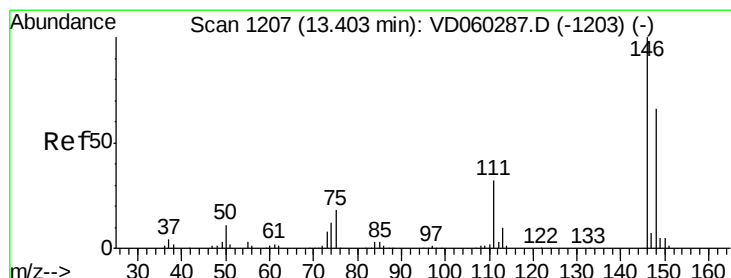
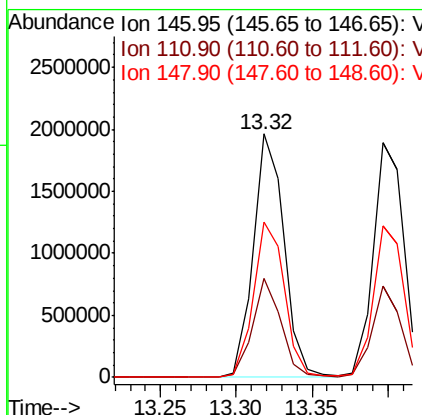
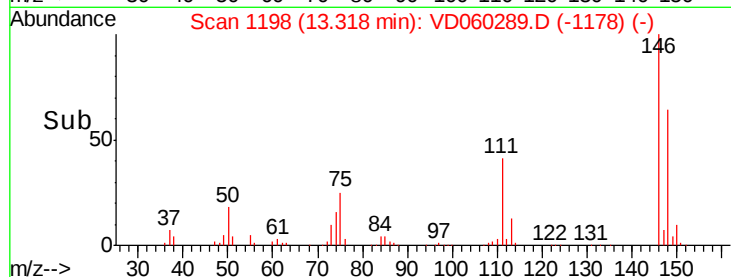
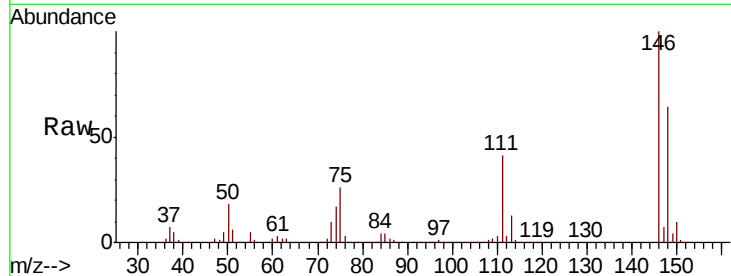




#87
 1,3-Dichlorobenzene
 Concen: 95.911 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

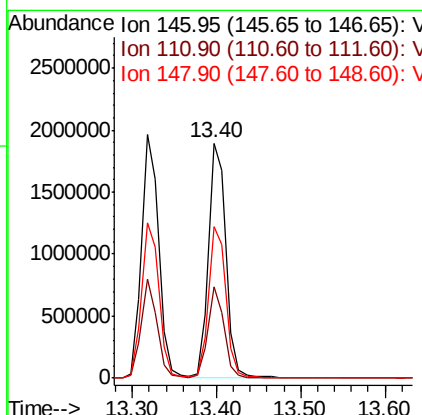
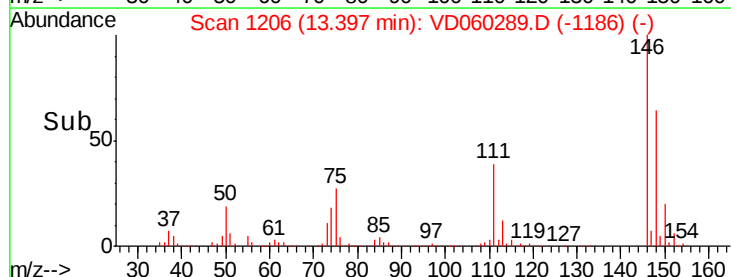
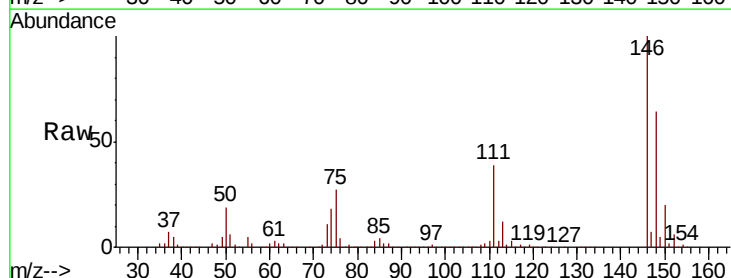
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

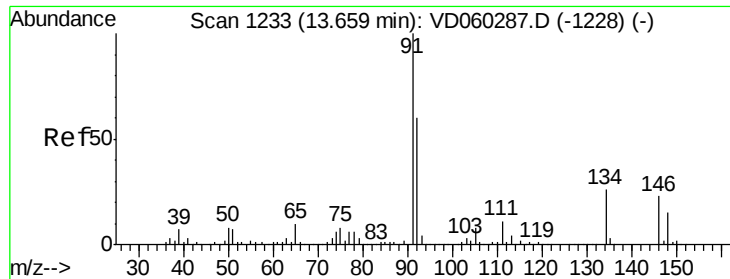
Tot Ion:146 Resp: 2785246
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.2 60.5
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 96.167 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion:146 Resp: 2723563
 Ion Ratio Lower Upper
 146 100
 111 39.1 16.0 47.9
 148 64.3 32.9 98.7

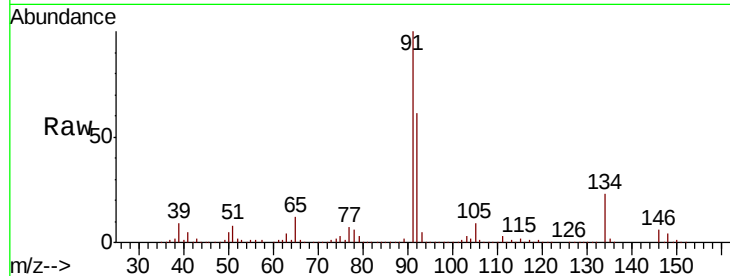




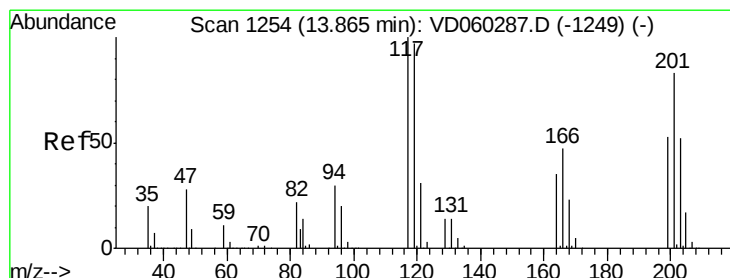
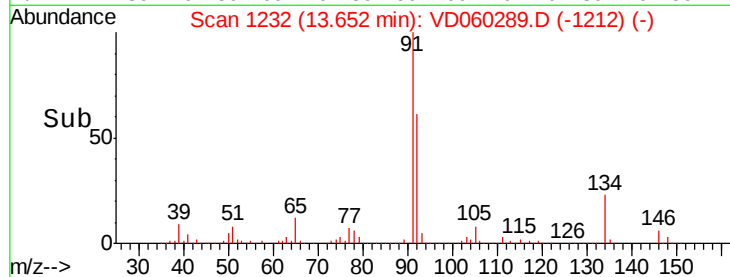
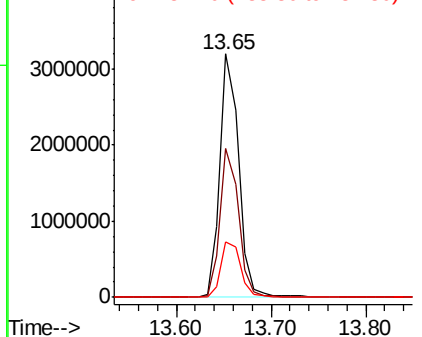
#89
n-Butylbenzene
Concen: 84.418 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4409975
Ion Ratio Lower Upper
91 100
92 60.9 30.3 90.9
134 22.6 13.0 38.9

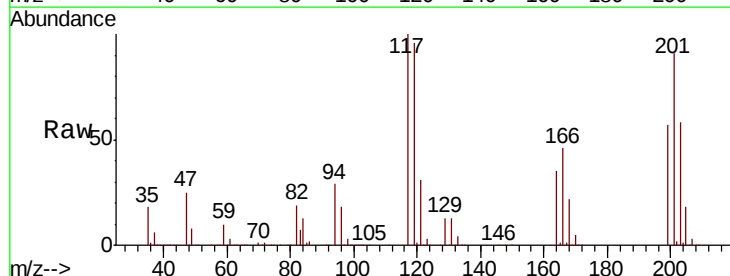


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

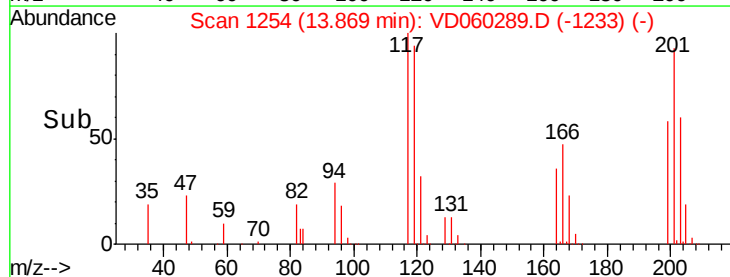
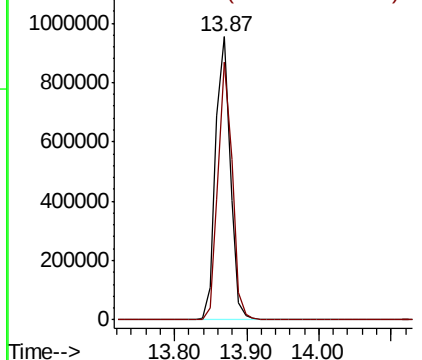


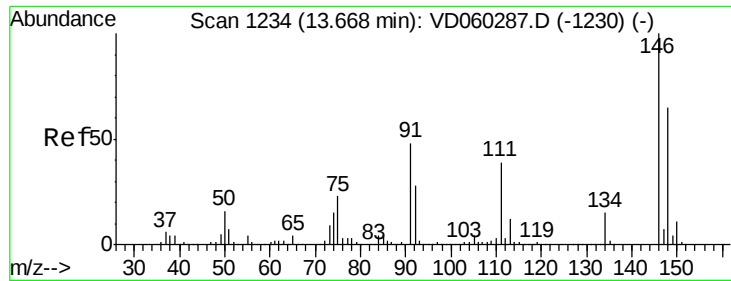
#90
Hexachloroethane
Concen: 106.754 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060289.D
Acq: 6 Nov 2018 13:28

Tgt Ion: 117 Resp: 1325986
Ion Ratio Lower Upper
117 100
201 91.0 40.1 120.3



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





#91

1,2-Dichlorobenzene

Concen: 87.080 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

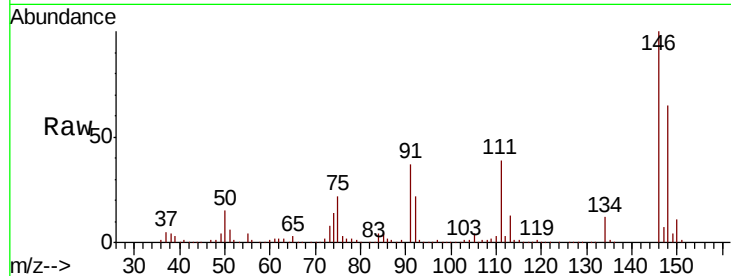
Tot Ion:146 Resp: 2062484

Ion Ratio Lower Upper

146 100

111 39.3 18.9 56.9

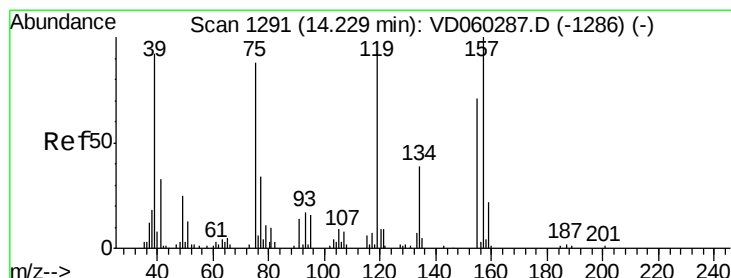
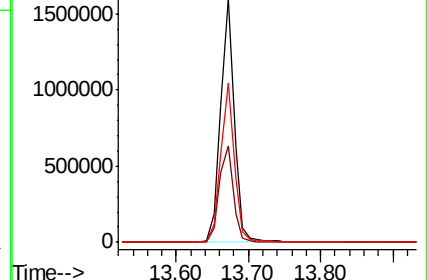
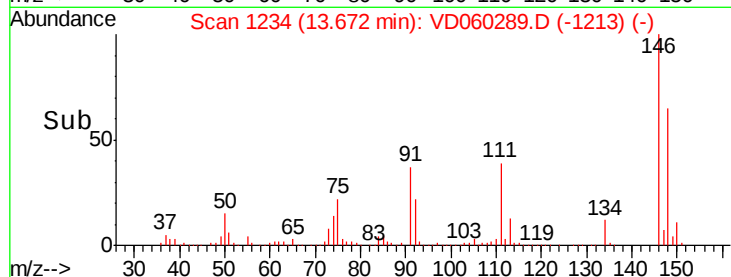
148 65.2 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 110.615 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

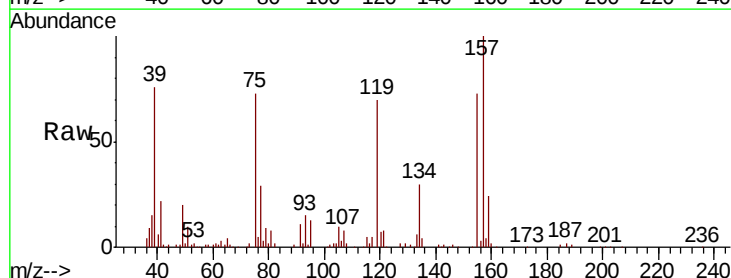
Tgt Ion: 75 Resp: 133403

Ion Ratio Lower Upper

75 100

155 99.5 64.3 192.9

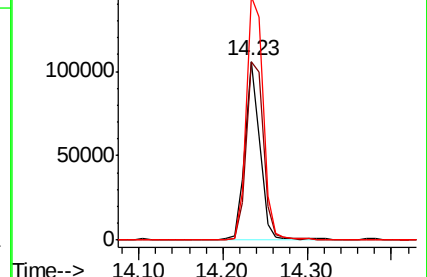
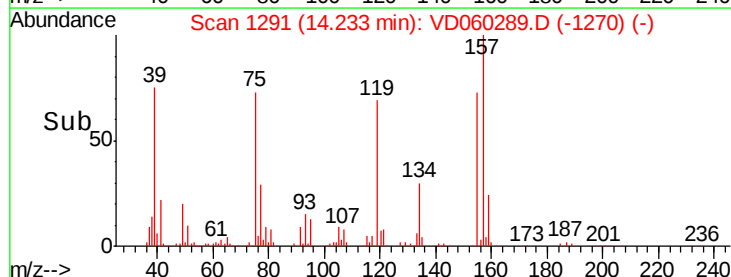
157 136.2 81.0 243.1

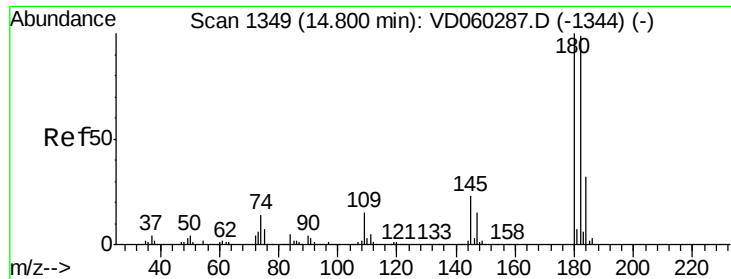


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

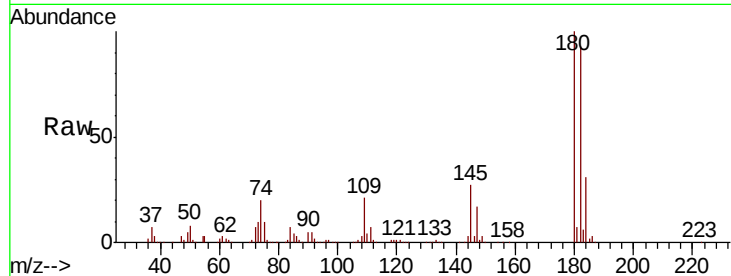




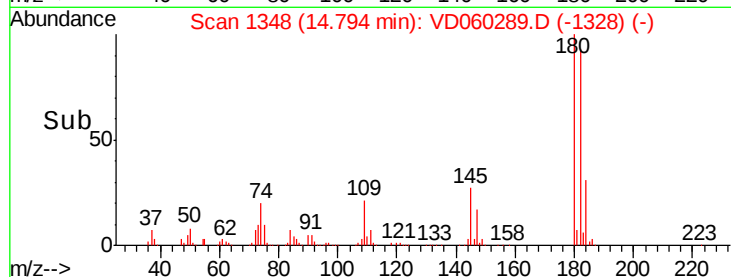
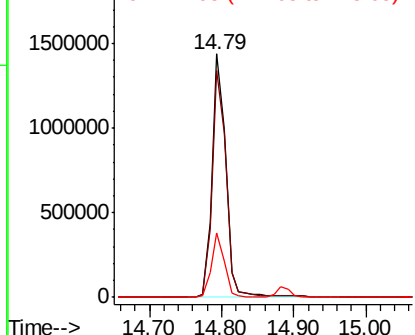
#93
 1,2,4-Trichlorobenzene
 Concen: 102.793 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1888721
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.1 144.4
 145 26.5 11.5 34.4

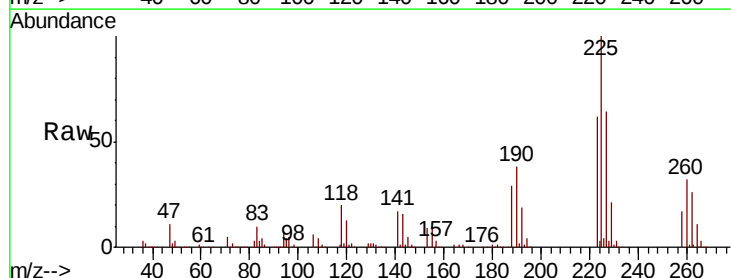


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

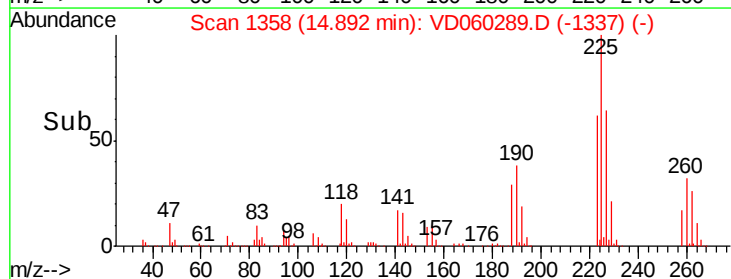
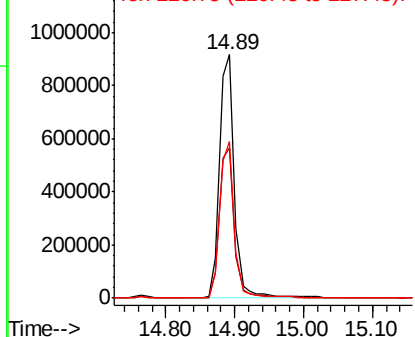


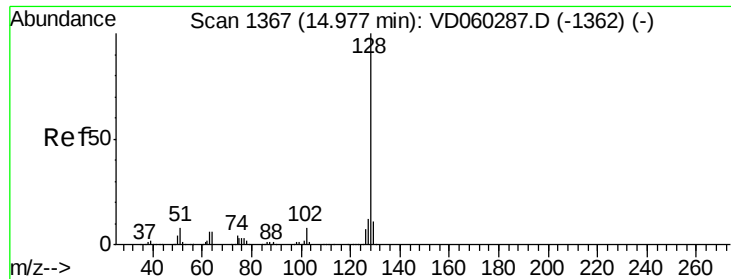
#94
 Hexachlorobutadiene
 Concen: 101.762 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060289.D
 Acq: 6 Nov 2018 13:28

Tgt Ion:225 Resp: 1380912
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.6 94.8
 227 64.3 32.3 96.9



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: 107.473 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

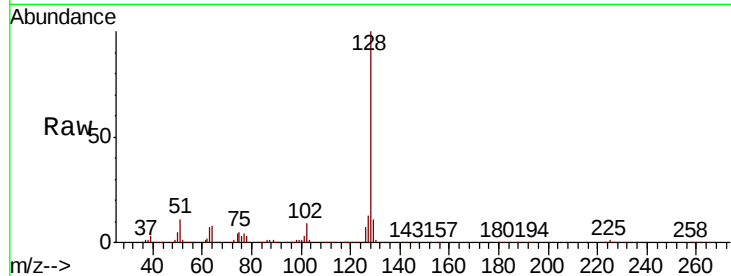
Tot Ion:128 Resp: 2456632

Ion Ratio Lower Upper

128 100

127 12.8 9.6 14.4

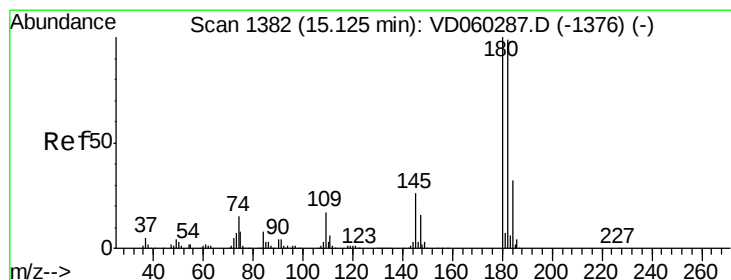
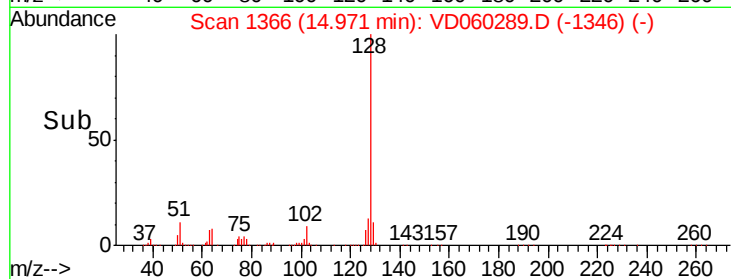
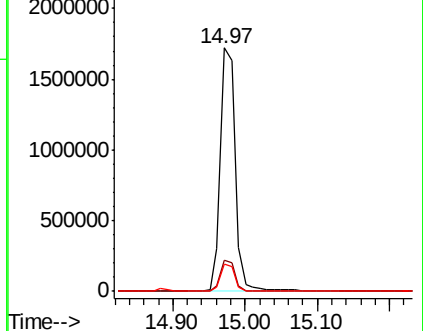
129 11.4 8.6 12.8



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: 106.504 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VD060289.D

Acq: 6 Nov 2018 13:28

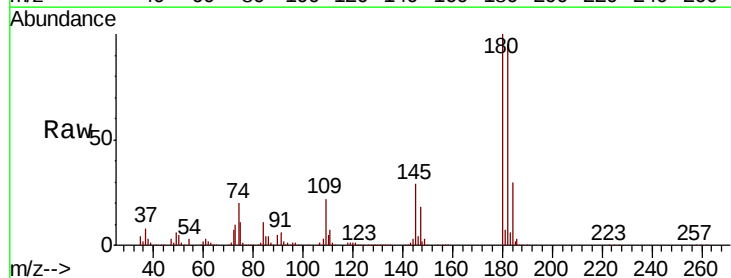
Tgt Ion:180 Resp: 1579975

Ion Ratio Lower Upper

180 100

182 94.6 48.9 146.7

145 28.7 12.9 38.6



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

