

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060288.D
 Acq On : 6 Nov 2018 13:00
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Nov 06 13:47:23 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	1573331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2203202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1696009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	887219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	792943	71.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.58%	
35) Dibromofluoromethane	6.34	113	1160634	71.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.08%	
50) Toluene-d8	9.47	98	3397639	72.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.68%	
62) 4-Bromofluorobenzene	12.44	95	1230567	72.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	854232	62.347	ug/l	98
3) Chloromethane	1.76	50	932416	65.452	ug/l	99
4) Vinyl Chloride	1.86	62	795516	66.426	ug/l	98
5) Bromomethane	2.16	94	193513	58.834	ug/l	99
6) Chloroethane	2.26	64	277937	64.510	ug/l	100
7) Trichlorofluoromethane	2.52	101	962124	64.537	ug/l	99
8) Diethyl Ether	2.83	74	181058	64.168	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.10	101	622357	64.901	ug/l	99
10) Methyl Iodide	3.26	142	833407	89.654	ug/l	100
11) Tert butyl alcohol	3.98	59	162393	337.463	ug/l #	91
12) 1,1-Dichloroethene	3.08	96	497502	62.774	ug/l	98
13) Acrolein	2.99	56	192174	322.026	ug/l	96
14) Allyl chloride	3.54	41	1005688	66.778	ug/l	98
15) Acrylonitrile	4.10	53	942304	357.157	ug/l	99
16) Acetone	3.17	43	668353	327.486	ug/l	95
17) Carbon Disulfide	3.33	76	1658402	64.485	ug/l	99
18) Methyl Acetate	3.57	43	302444	72.420	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1632787	73.214	ug/l	99
20) Methylene Chloride	3.73	84	1128670	58.166	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	1178260	69.762	ug/l	97
22) Diisopropyl ether	4.87	45	3792775	69.181	ug/l	100
23) Vinyl Acetate	4.81	43	9538653	349.311	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1947562	70.381	ug/l	100
25) 2-Butanone	5.63	43	1449695	373.933	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1497834	68.942	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	1248296	71.121	ug/l	99
28) Bromochloromethane	5.93	49	881437	71.603	ug/l	97
29) Tetrahydrofuran	5.96	42	747535	366.766	ug/l	99
30) Chloroform	6.11	83	1954925	69.996	ug/l	100
31) Cyclohexane	6.38	56	1743877	66.792	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	1634378	70.976	ug/l	98
36) 1,1-Dichloropropene	6.53	75	1470494	69.041	ug/l	98
37) Ethyl Acetate	5.71	43	710994	74.795	ug/l	99
38) Carbon Tetrachloride	6.52	117	1378188	71.001	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1727452	72.131	ug/l	99
40) Benzene	6.81	78	3782095	68.819	ug/l	100
41) Methacrylonitrile	5.95	41	800961	127.533	ug/l	97
42) 1,2-Dichloroethane	6.91	62	1018246	71.477	ug/l	97
43) Isopropyl Acetate	8.37	43	939417	76.561	ug/l #	99
44) Trichloroethene	7.76	130	1195239	71.162	ug/l	99
45) 1,2-Dichloropropane	8.12	63	991254	72.312	ug/l	97
46) Dibromomethane	8.23	93	587187	74.703	ug/l	99
47) Bromodichloromethane	8.50	83	1388238	73.378	ug/l	99
48) Methyl methacrylate	8.26	41	556523	75.700	ug/l	97
49) 1,4-Dioxane	8.24	88	96862	1471.665	ug/l	89
51) 4-Methyl-2-Pentanone	9.36	43	2892736	373.530	ug/l	98
52) Toluene	9.57	92	2412776	69.381	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	1173412	74.761	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1489716	72.741	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	685093	70.419	ug/l	98
56) Ethyl methacrylate	10.05	69	699287	75.614	ug/l	98
57) 1,3-Dichloropropane	10.39	76	1110116	74.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	1999725	365.730	ug/l	99
59) 2-Hexanone	10.50	43	2067275	362.444	ug/l	98
60) Dibromochloromethane	10.65	129	910020	73.791	ug/l	100
61) 1,2-Dibromoethane	10.77	107	740534	75.023	ug/l	99
64) Tetrachloroethene	10.26	164	1071003	72.067	ug/l	99
65) Chlorobenzene	11.33	112	2579920	70.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	852680	71.109	ug/l	96
67) Ethyl Benzene	11.44	91	4280175	68.973	ug/l	99
68) m/p-Xylenes	11.57	106	3061050	133.637	ug/l	99
69) o-Xylene	11.95	106	1586927	71.304	ug/l	90
70) Styrene	11.97	104	2593928	72.377	ug/l	99
71) Bromoform	12.12	173	621433	80.855	ug/l	99
73) Isopropylbenzene	12.28	105	4312732	68.928	ug/l	100
74) N-amyl acetate	12.14	43	1178610	74.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	725364	71.833	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	729856	72.459	ug/l	99
77) Bromobenzene	12.55	156	1172175	70.142	ug/l	98
78) n-propylbenzene	12.65	91	5048086	64.173	ug/l	100
79) 2-Chlorotoluene	12.72	91	2867264	66.051	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	3228947	66.407	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	227284	83.599	ug/l	96
82) 4-Chlorotoluene	12.82	91	3193994	65.946	ug/l	88
83) tert-Butylbenzene	13.06	119	3689588	68.259	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	3350626	67.903	ug/l	99
85) sec-Butylbenzene	13.23	105	4387125	66.538	ug/l	100
86) p-Isopropyltoluene	13.35	119	3648896	69.632	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	2043756	68.511	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	2054030	70.603	ug/l	99
89) n-Butylbenzene	13.65	91	3491235	65.058	ug/l	97
90) Hexachloroethane	13.87	117	935303	73.303	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	1617573	66.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	96008	77.496	ug/l	63

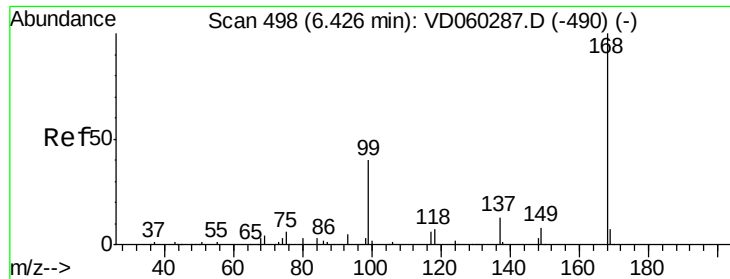
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1357463	71.920	ug/l	97
94) Hexachlorobutadiene	14.89	225	1002322	71.904	ug/l	100
95) Naphthalene	14.98	128	1764999	75.167	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	1107246	72.658	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

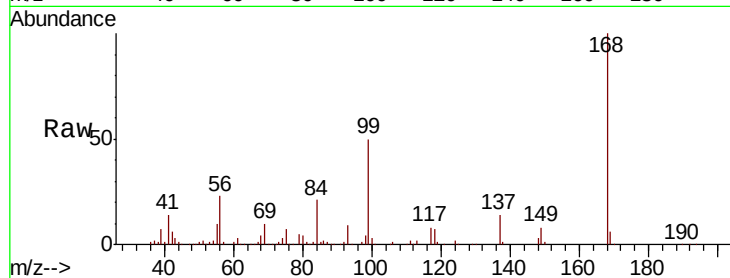
VSTDIC075

Tot Ion:168 Resp: 1573331

Ion Ratio Lower Upper

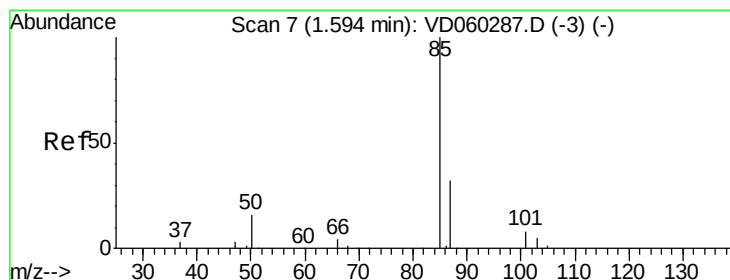
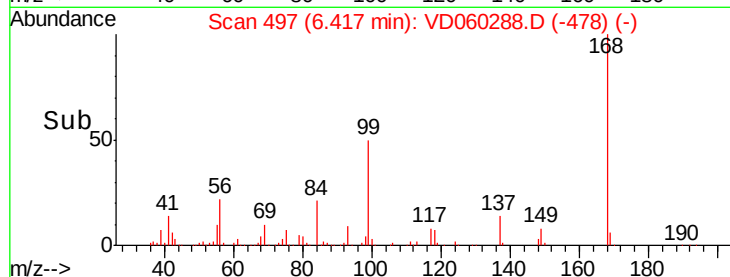
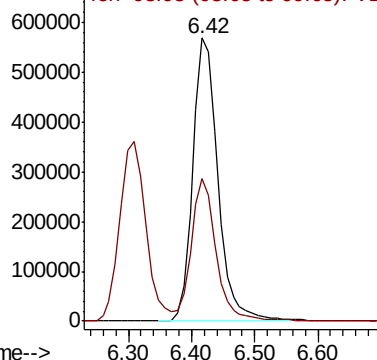
168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 62.347 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060288.D

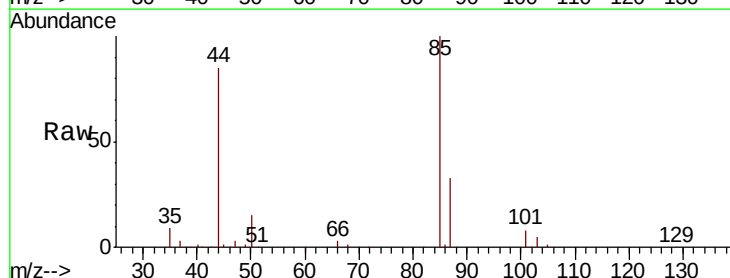
Acq: 6 Nov 2018 13:00

Tgt Ion: 85 Resp: 854232

Ion Ratio Lower Upper

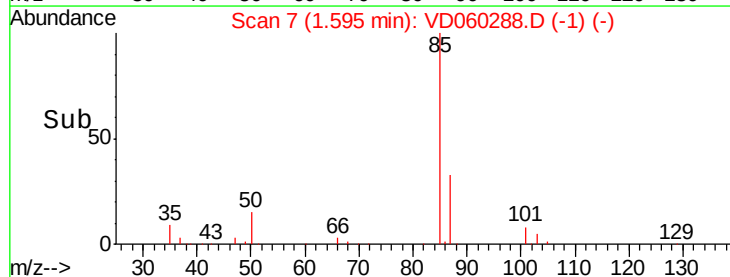
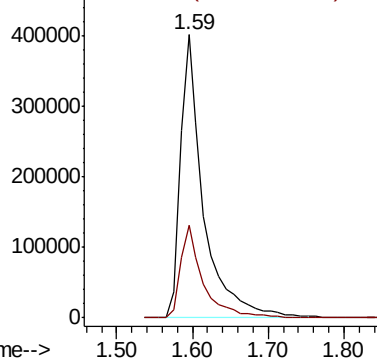
85 100

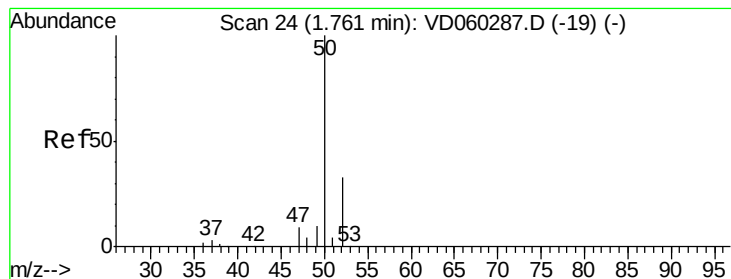
87 32.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 65.452 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

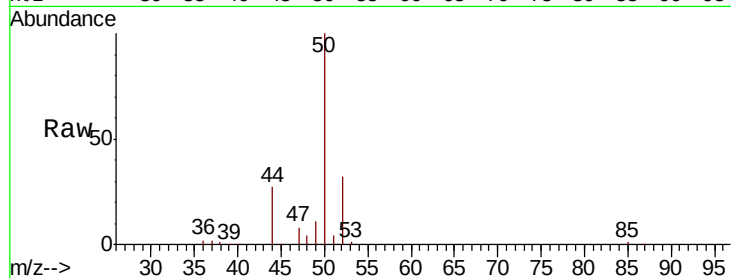
VSTDIC075

Tot Ion: 50 Resp: 932416

Ion Ratio Lower Upper

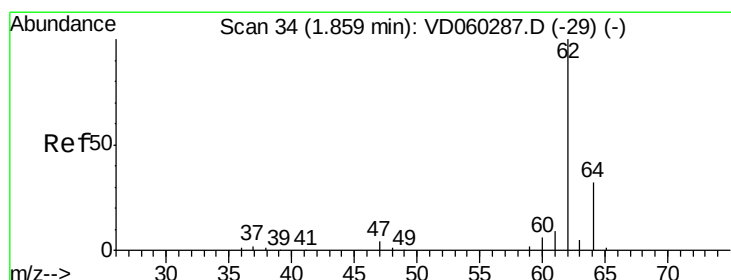
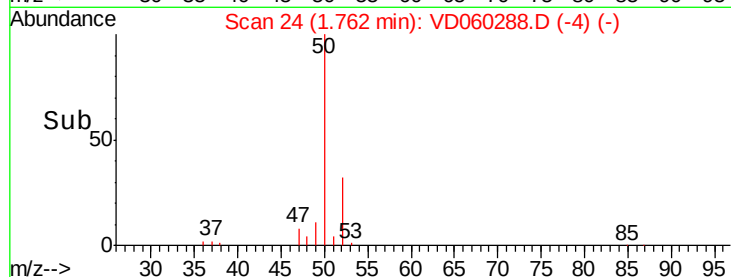
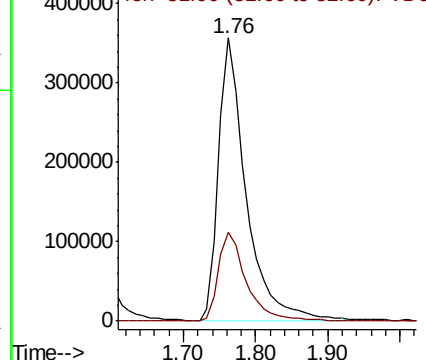
50 100

52 31.5 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: 66.426 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060288.D

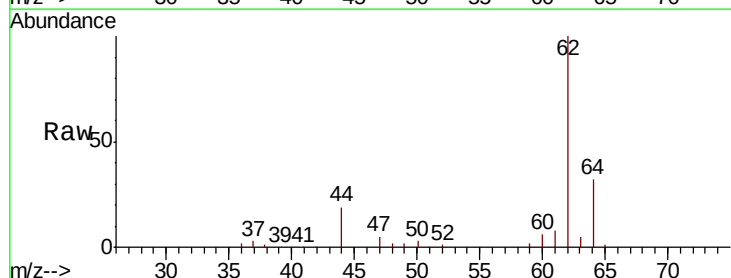
Acq: 6 Nov 2018 13:00

Tgt Ion: 62 Resp: 795516

Ion Ratio Lower Upper

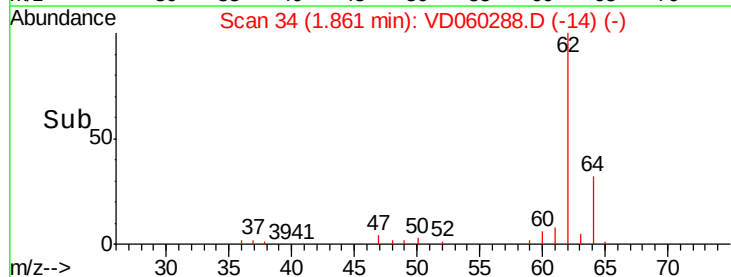
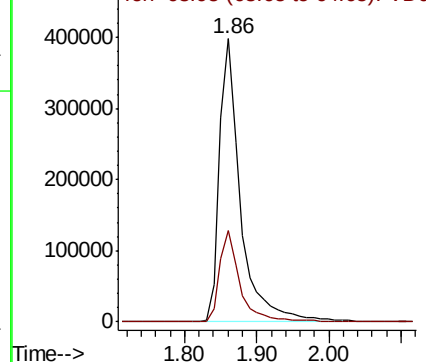
62 100

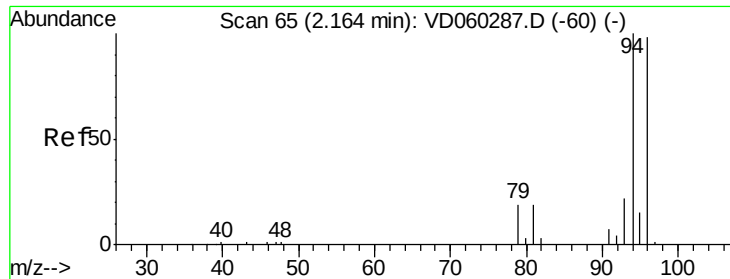
64 32.1 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.834 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

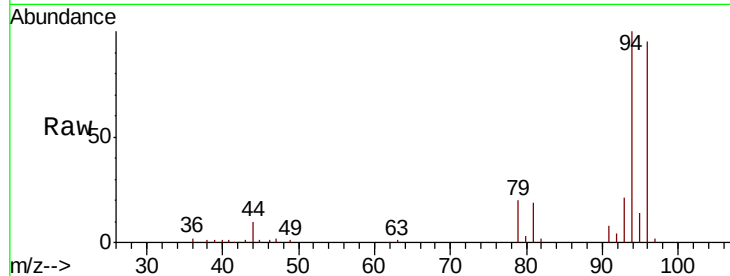
VSTDIC075

Tot Ion: 94 Resp: 193513

Ion Ratio Lower Upper

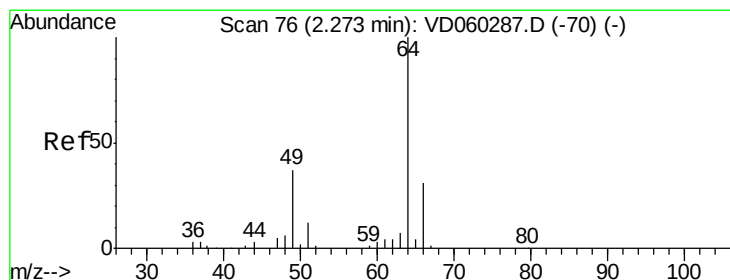
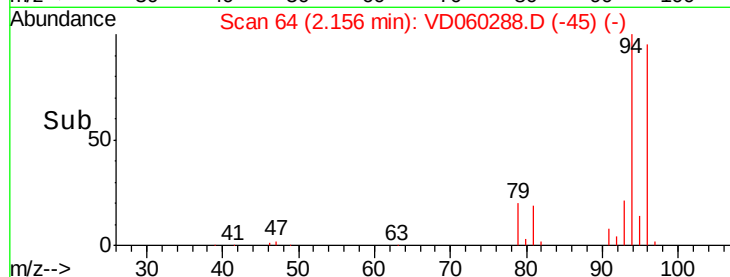
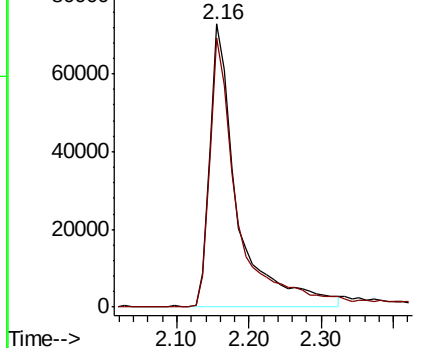
94 100

96 95.1 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: 64.510 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060288.D

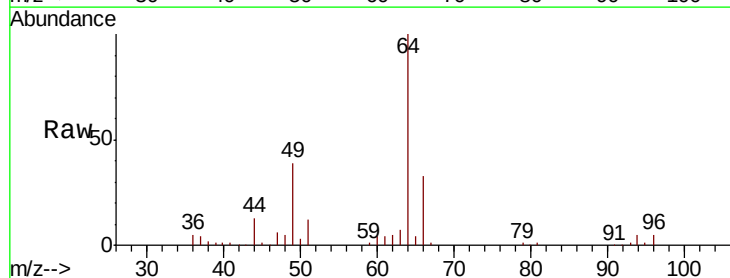
Acq: 6 Nov 2018 13:00

Tgt Ion: 64 Resp: 277937

Ion Ratio Lower Upper

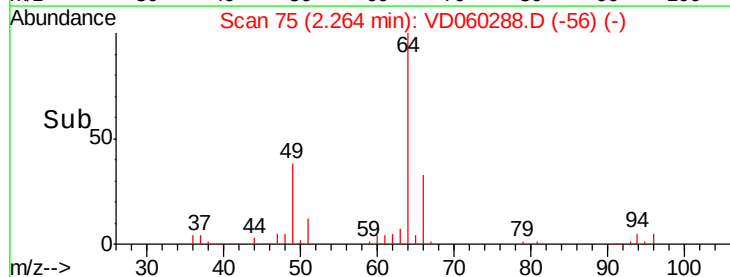
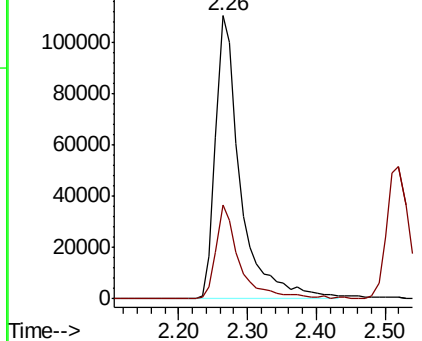
64 100

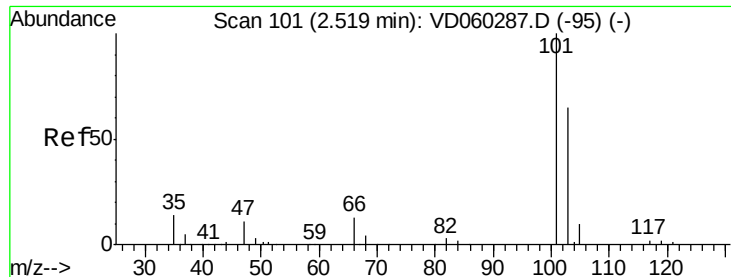
66 33.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



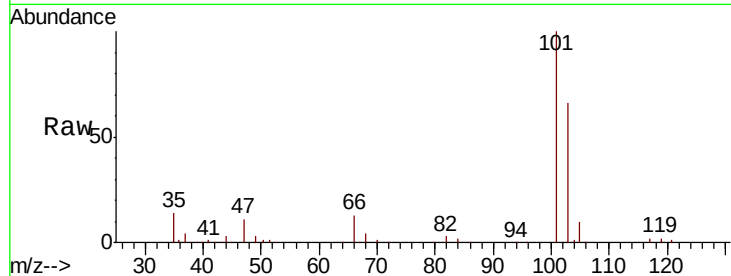


#7

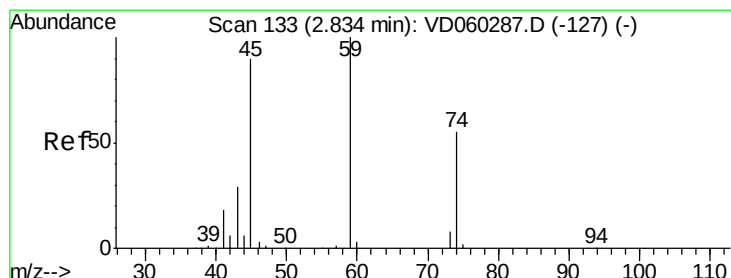
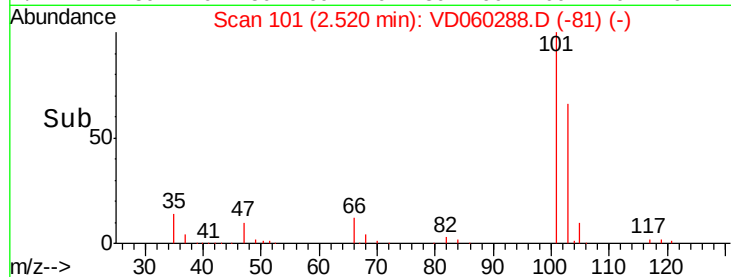
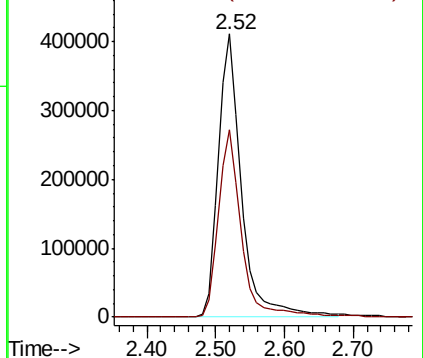
Trichlorofluoromethane
Concen: 64.537 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 962124
Ion Ratio Lower Upper
101 100
103 66.1 53.6 80.4



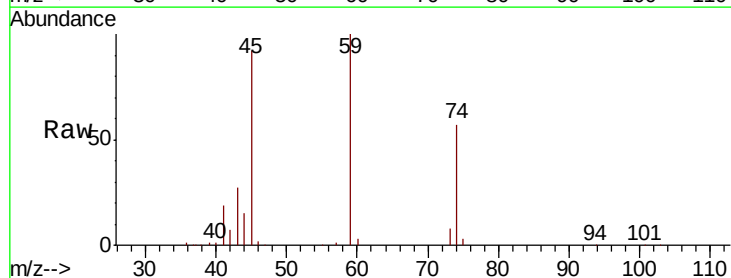
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



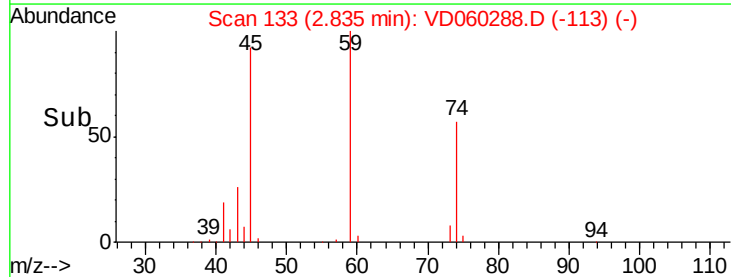
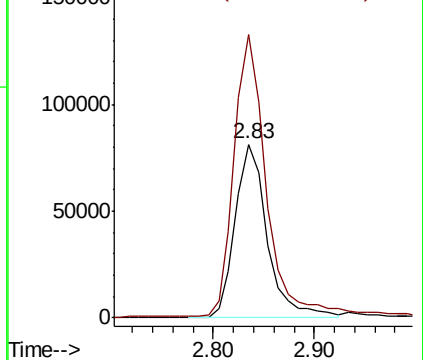
#8

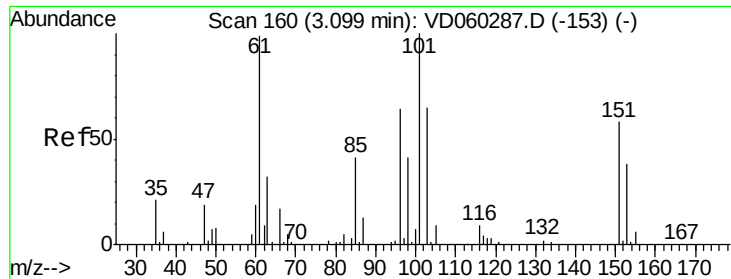
Diethyl Ether
Concen: 64.168 ug/l
RT: 2.83 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 74 Resp: 181058
Ion Ratio Lower Upper
74 100
45 162.8 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: 64.901 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

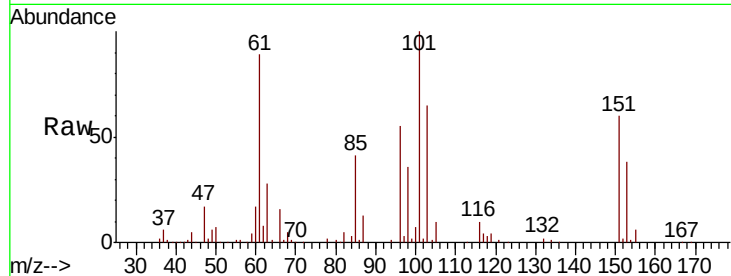
Tot Ion:101 Resp: 622357

Ion Ratio Lower Upper

101 100

85 40.9 31.4 47.0

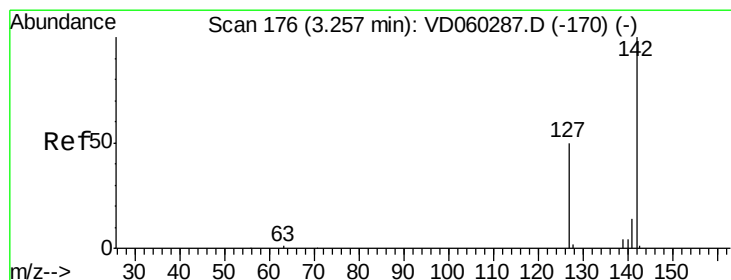
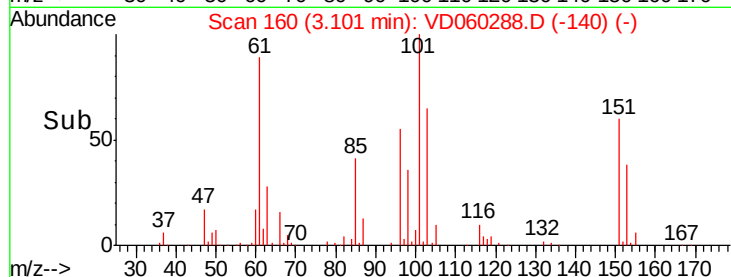
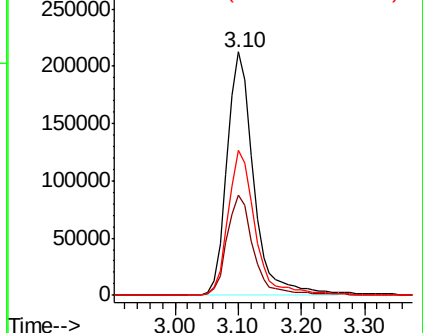
151 59.5 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 89.654 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

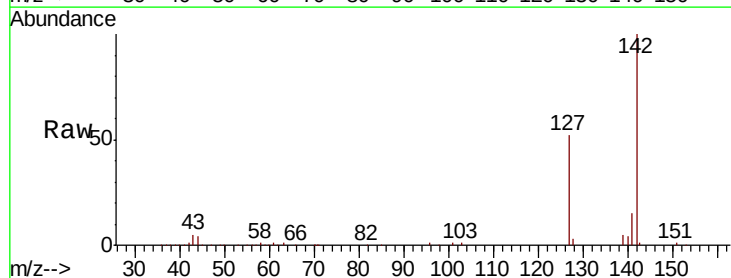
Tgt Ion:142 Resp: 833407

Ion Ratio Lower Upper

142 100

127 51.5 41.0 61.6

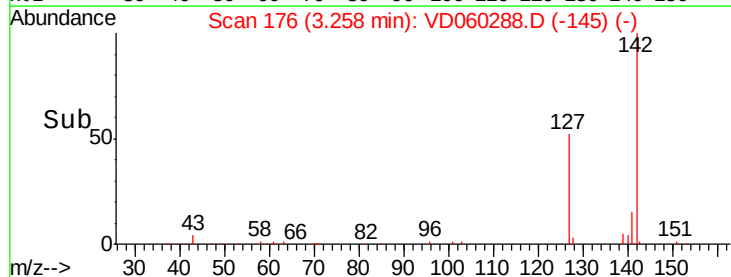
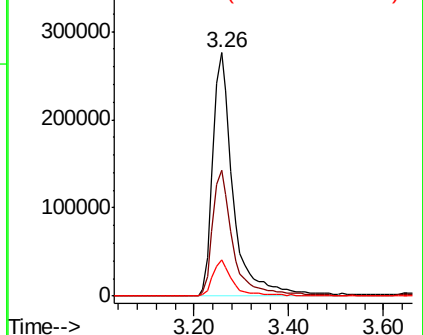
141 14.7 11.9 17.9

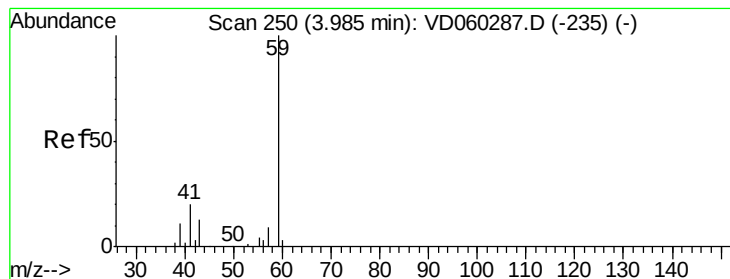


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



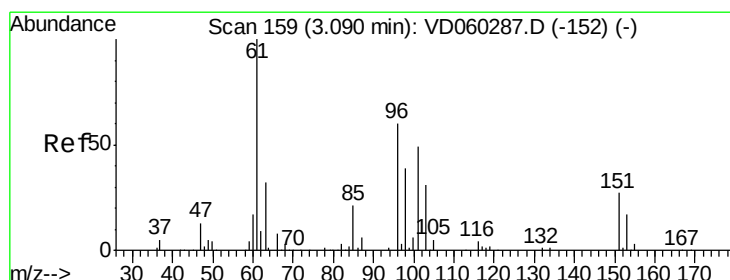
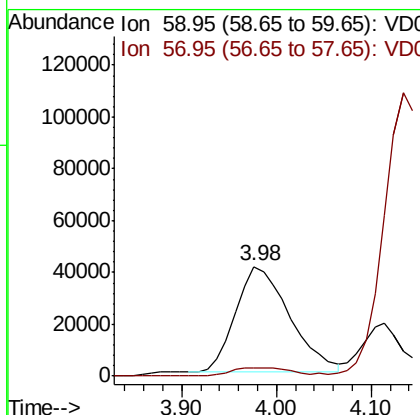
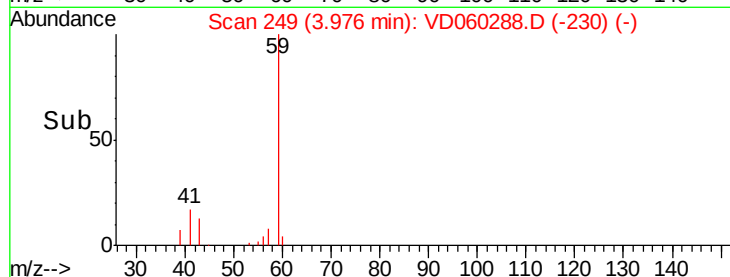
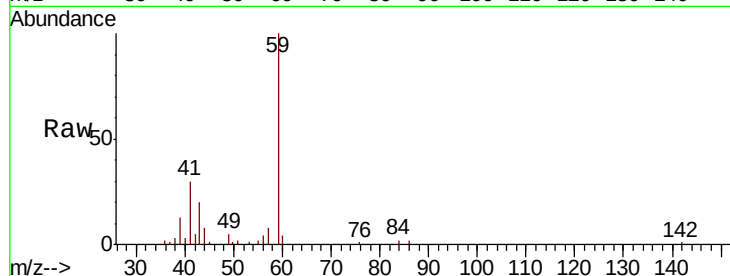


#11

Tert butyl alcohol
Concen: 337.463 ug/l
RT: 3.98 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

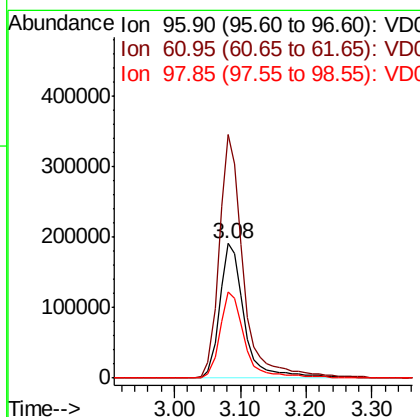
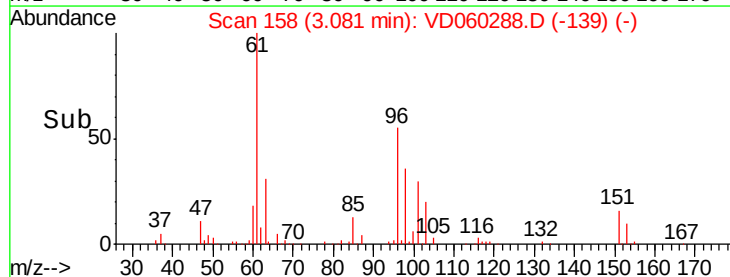
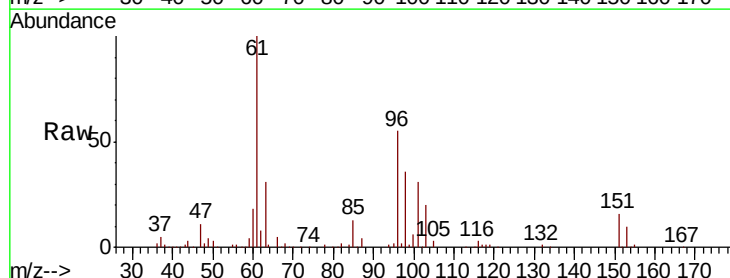
Tot Ion: 59 Resp: 162393
Ion Ratio Lower Upper
59 100
57 8.0 9.3 13.9#

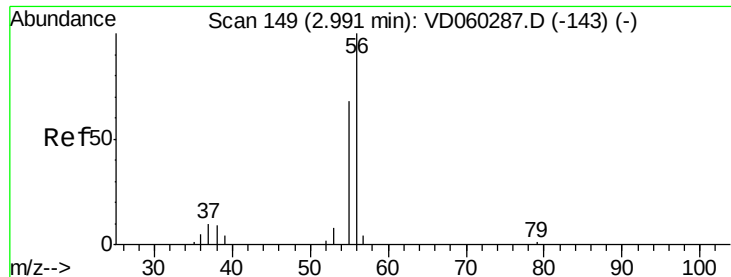


#12

1,1-Dichloroethene
Concen: 62.774 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 96 Resp: 497502
Ion Ratio Lower Upper
96 100
61 181.2 142.2 213.4
98 64.4 52.6 79.0





#13

Acrolein

Concen: 322.026 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

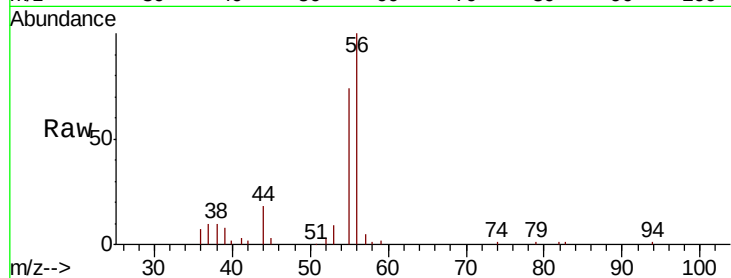
VSTDIC075

Tot Ion: 56 Resp: 192174

Ion Ratio Lower Upper

56 100

55 74.2 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

60000

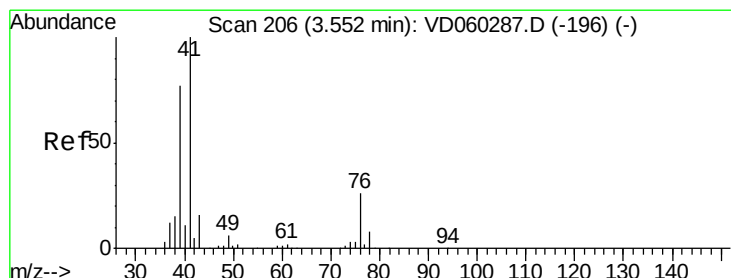
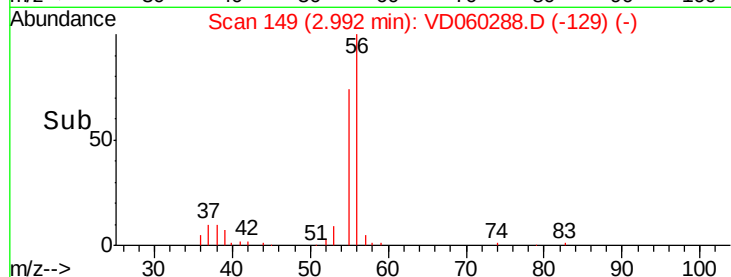
40000

20000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 66.778 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

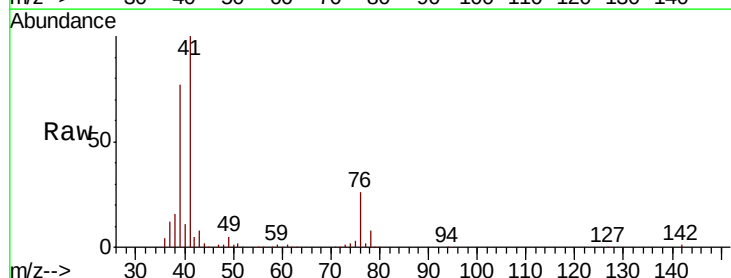
Tgt Ion: 41 Resp: 1005688

Ion Ratio Lower Upper

41 100

39 76.7 60.4 90.6

76 26.1 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

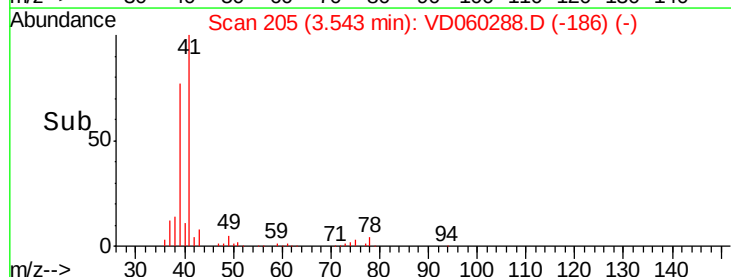
400000

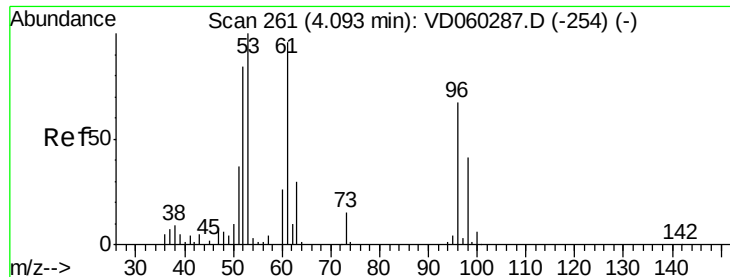
200000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 357.157 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

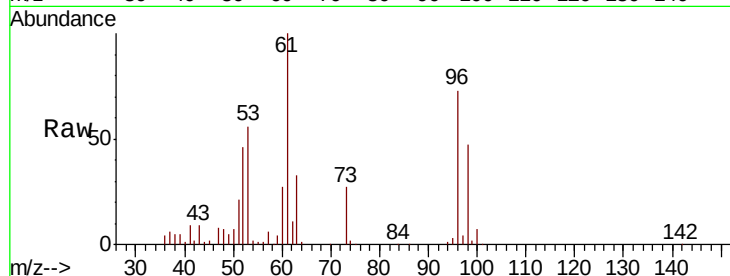
Tot Ion: 53 Resp: 942304

Ion Ratio Lower Upper

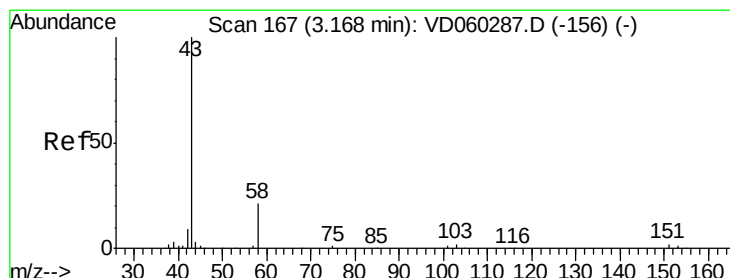
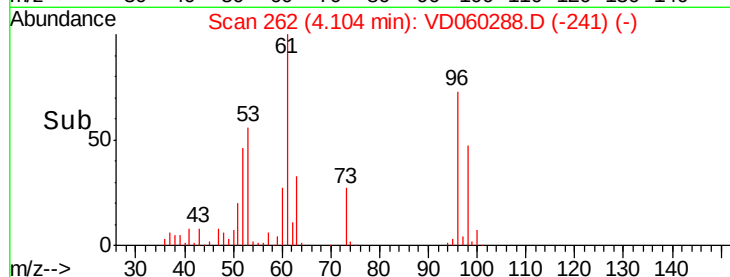
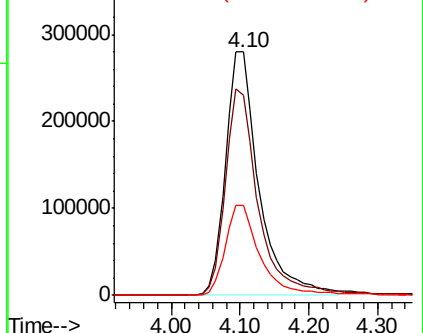
53 100

52 82.1 67.0 100.4

51 37.0 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: 327.486 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060288.D

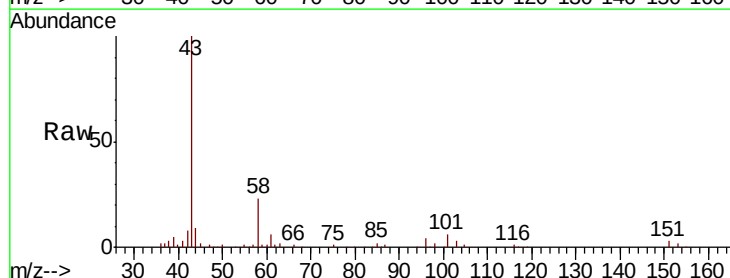
Acq: 6 Nov 2018 13:00

Tgt Ion: 43 Resp: 668353

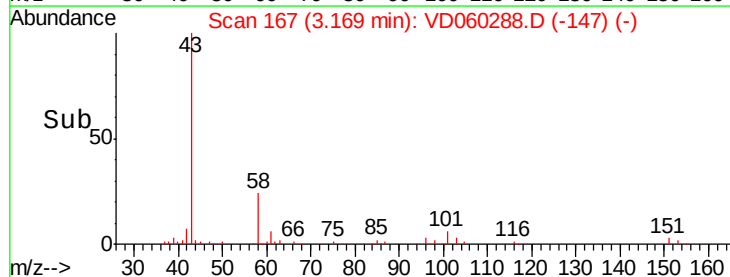
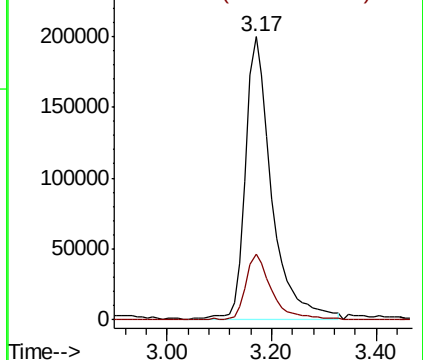
Ion Ratio Lower Upper

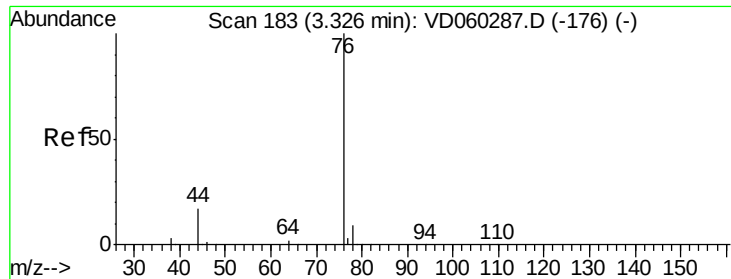
43 100

58 23.5 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: 64.485 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

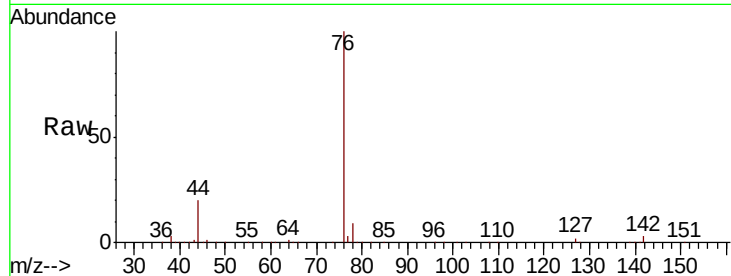
VSTDIC075

Tot Ion: 76 Resp: 1658402

Ion Ratio Lower Upper

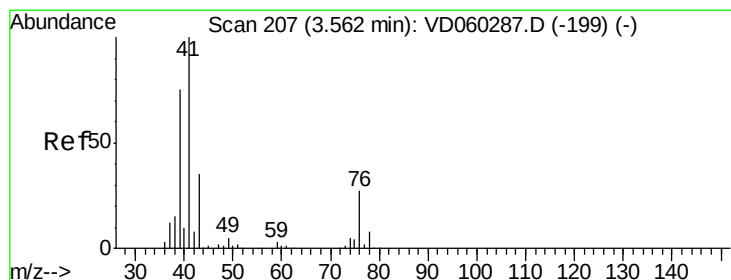
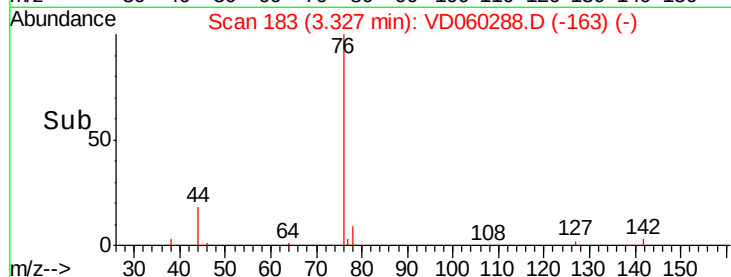
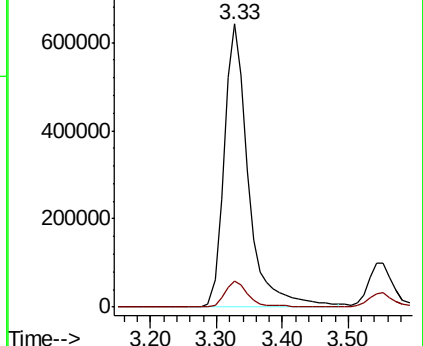
76 100

78 9.2 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 72.420 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060288.D

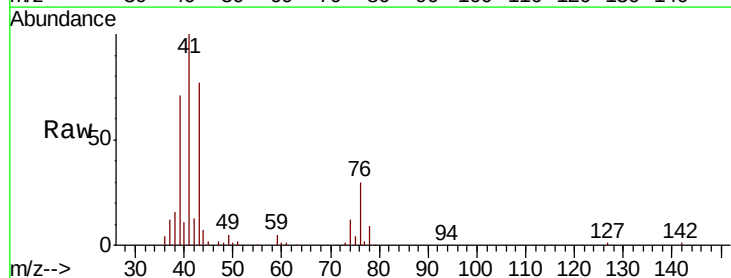
Acq: 6 Nov 2018 13:00

Tgt Ion: 43 Resp: 302444

Ion Ratio Lower Upper

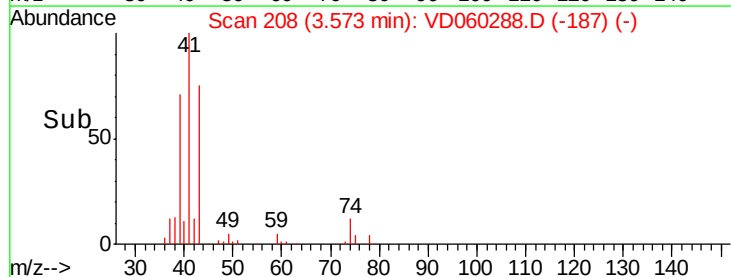
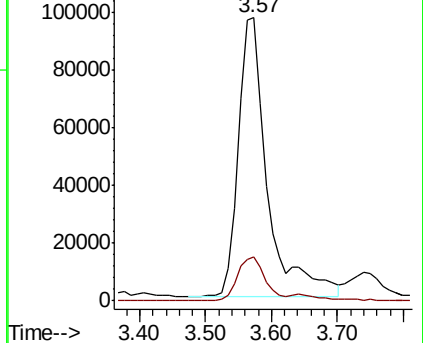
43 100

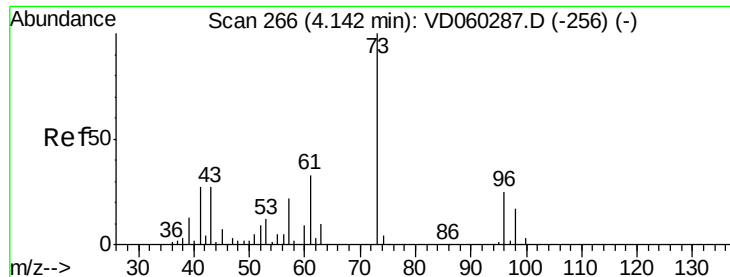
74 15.3 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

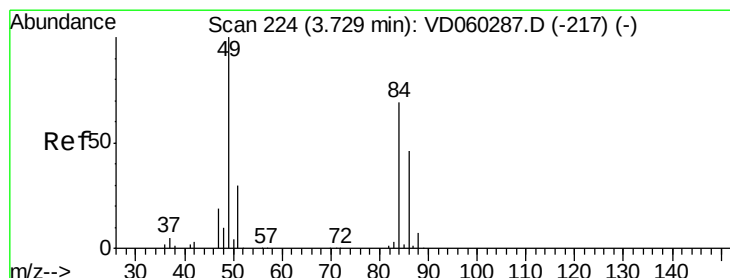
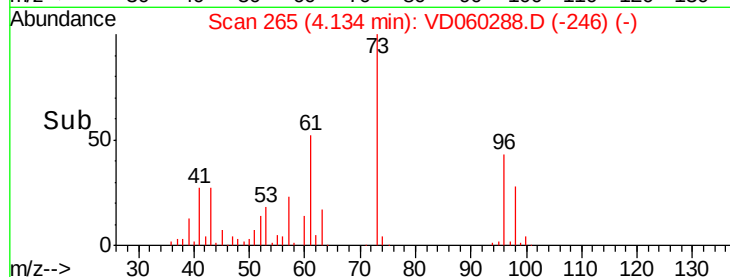
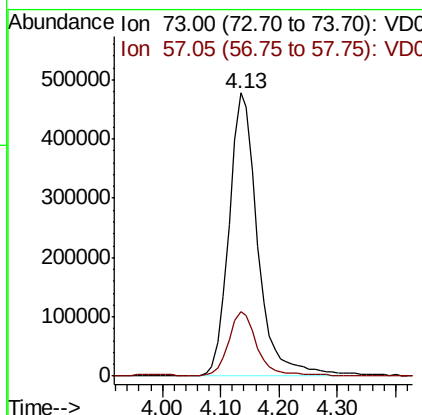
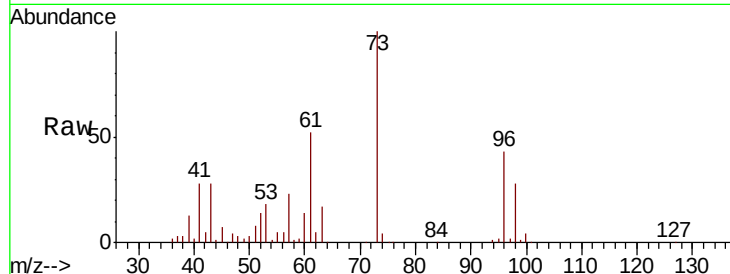




#19
Methyl tert-butyl Ether
Concen: 73.214 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

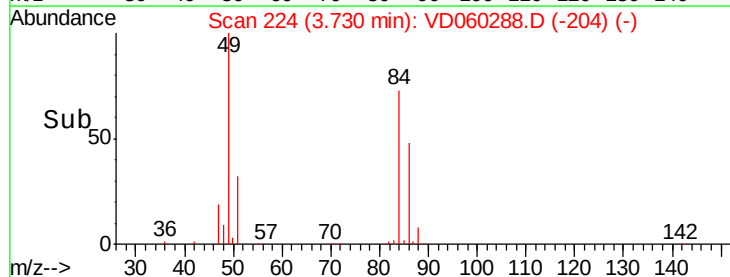
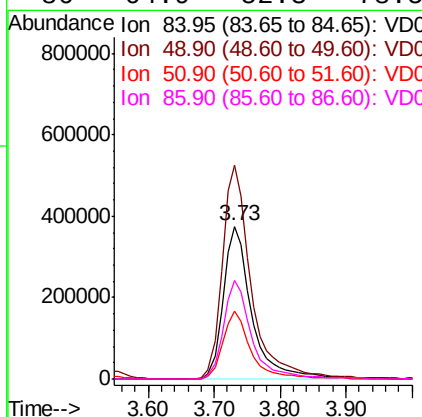
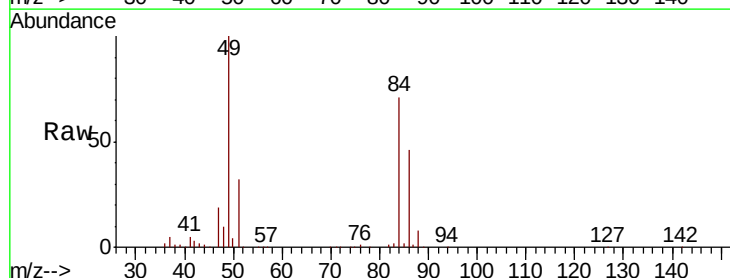
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

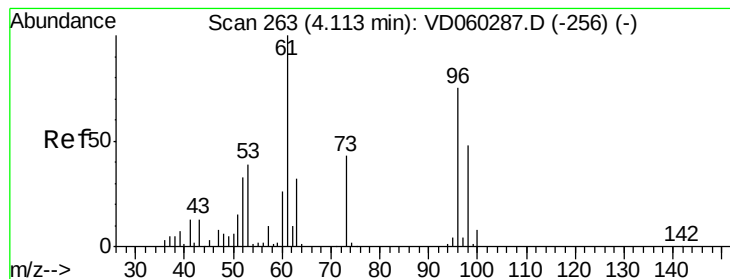
Tot Ion: 73 Resp: 1632787
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1



#20
Methylene Chloride
Concen: 58.166 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 84 Resp: 1128670
Ion Ratio Lower Upper
84 100
49 140.1 115.6 173.4
51 44.4 35.6 53.4
86 64.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 69.762 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

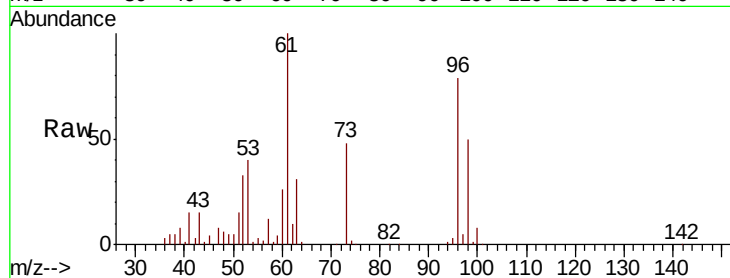
Tot Ion: 96 Resp: 1178260

Ion Ratio Lower Upper

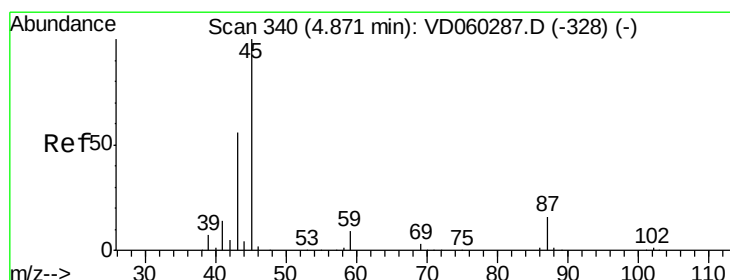
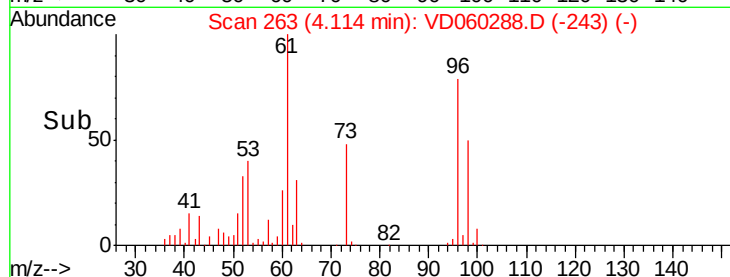
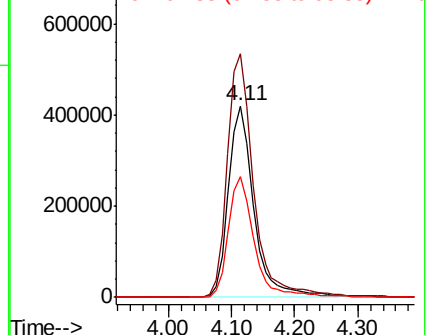
96 100

61 127.1 105.8 158.6

98 62.9 50.8 76.2



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



#22

Diisopropyl ether

Concen: 69.181 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Tgt Ion: 45 Resp: 3792775

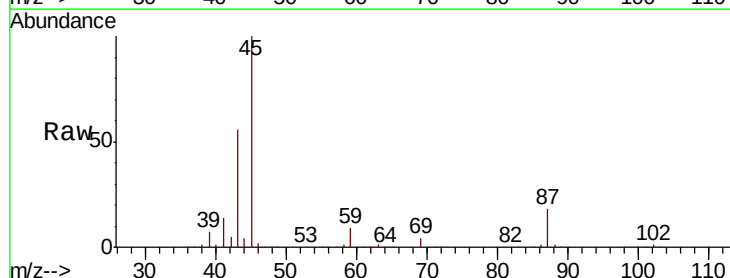
Ion Ratio Lower Upper

45 100

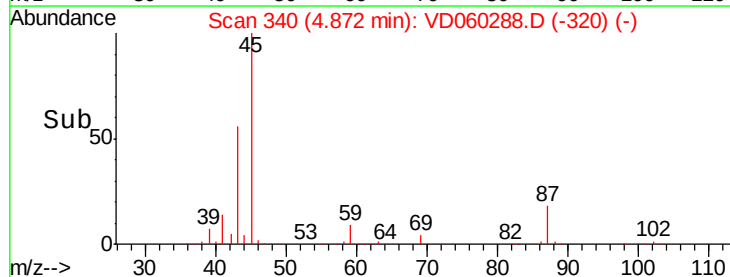
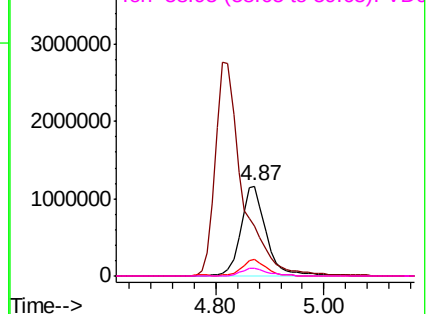
43 56.2 44.9 67.3

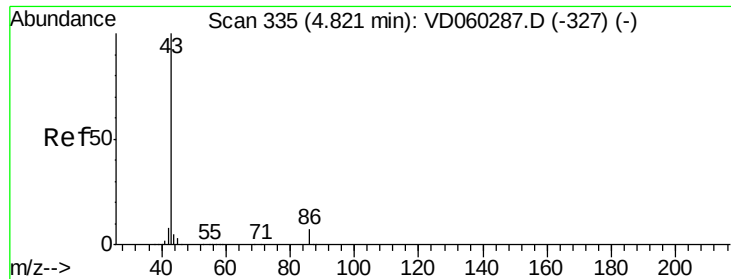
87 18.1 13.9 20.9

59 8.8 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 349.311 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

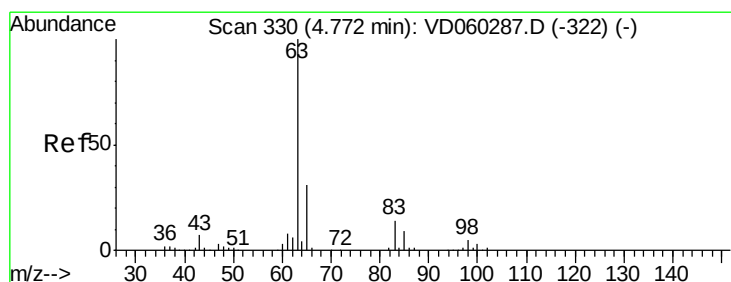
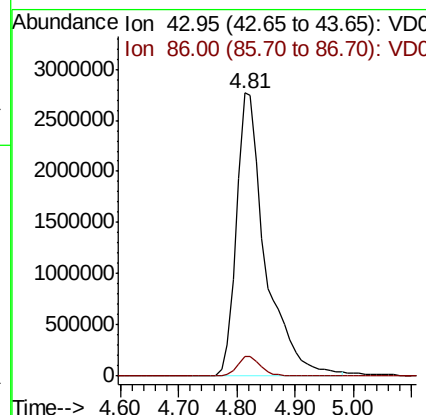
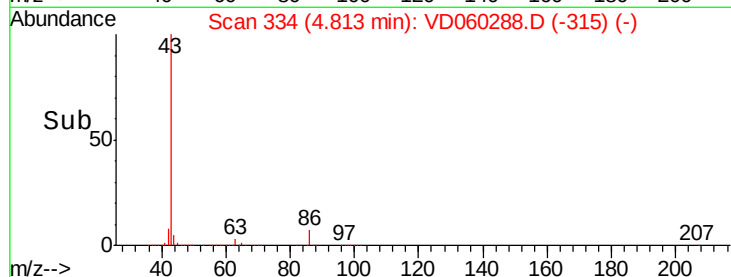
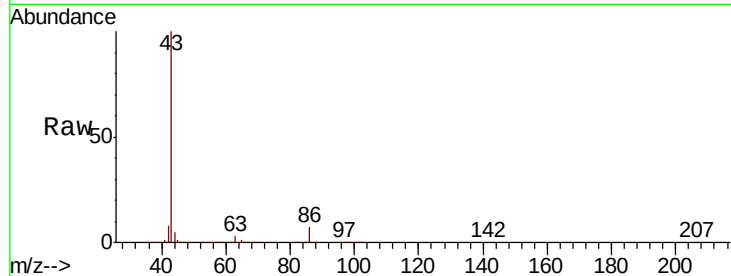
VSTDIC075

Tot Ion: 43 Resp: 9538653

Ion Ratio Lower Upper

43 100

86 6.9 5.7 8.5



#24

1,1-Dichloroethane

Concen: 70.381 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

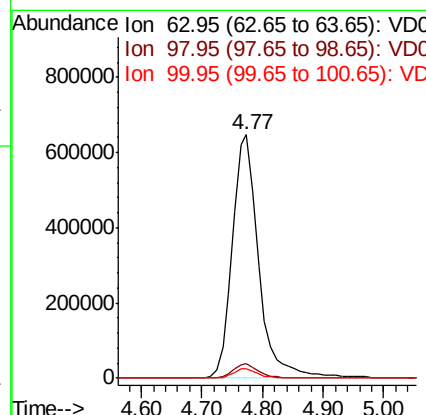
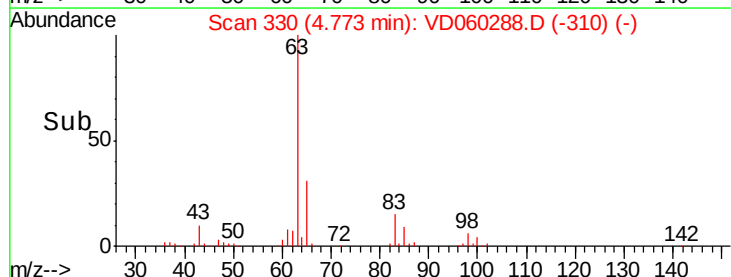
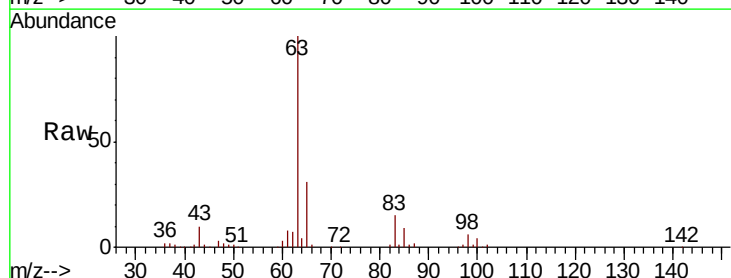
Tgt Ion: 63 Resp: 1947562

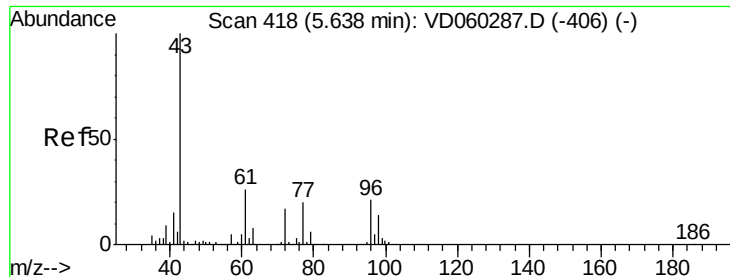
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 373.933 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

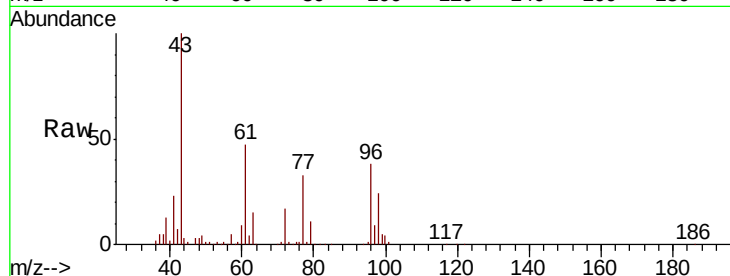
VSTDIC075

Tot Ion: 43 Resp: 1449695

Ion Ratio Lower Upper

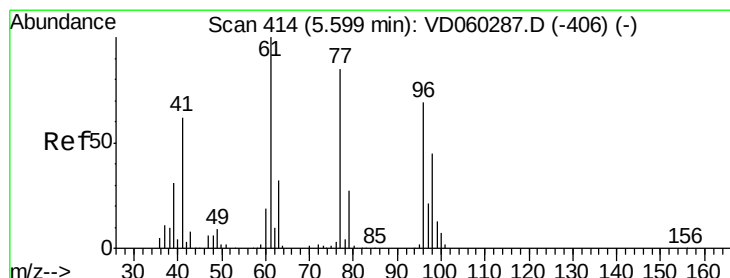
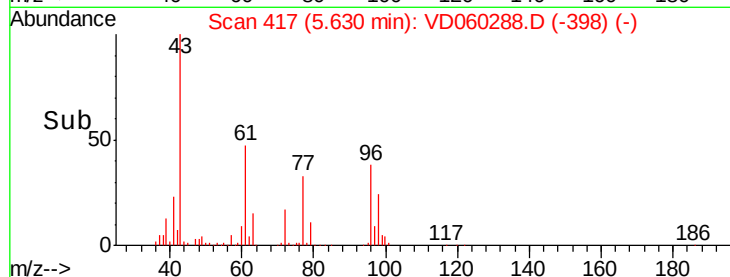
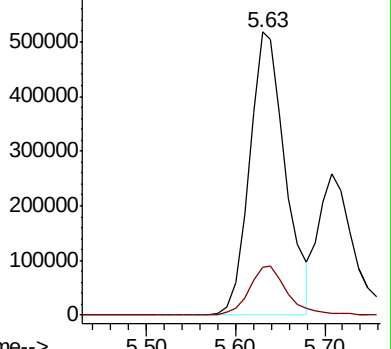
43 100

72 17.1 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: 68.942 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060288.D

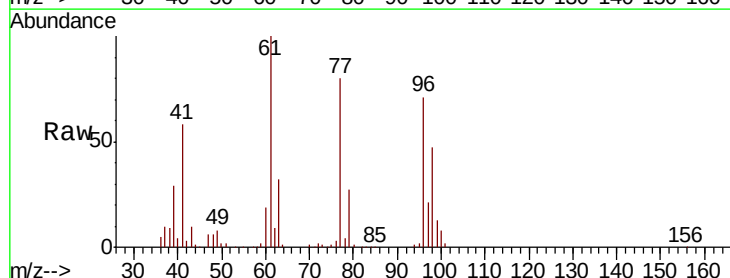
Acq: 6 Nov 2018 13:00

Tgt Ion: 77 Resp: 1497834

Ion Ratio Lower Upper

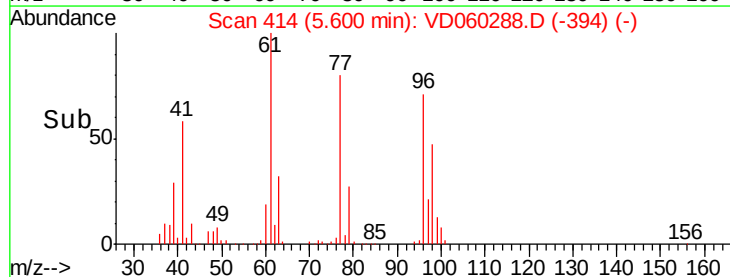
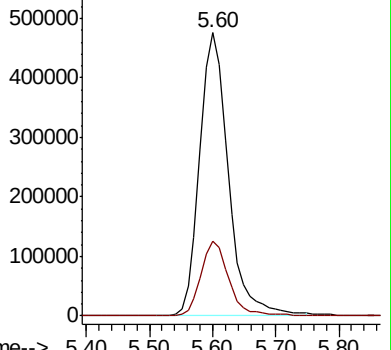
77 100

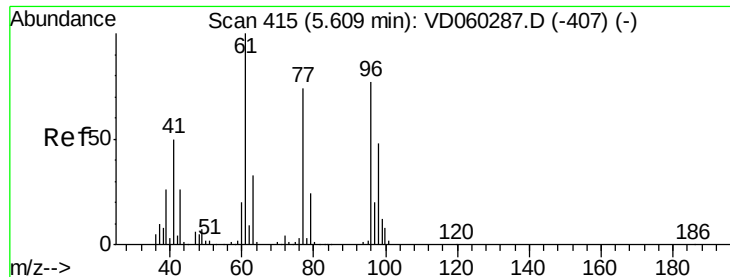
97 26.3 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



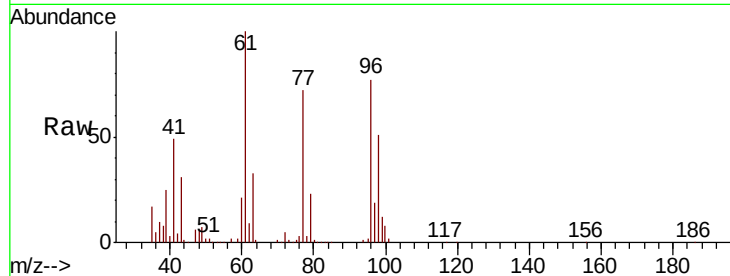


#27

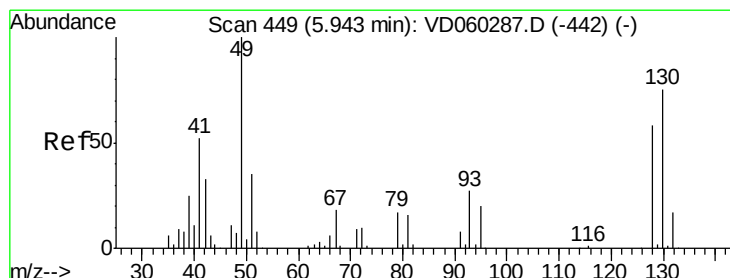
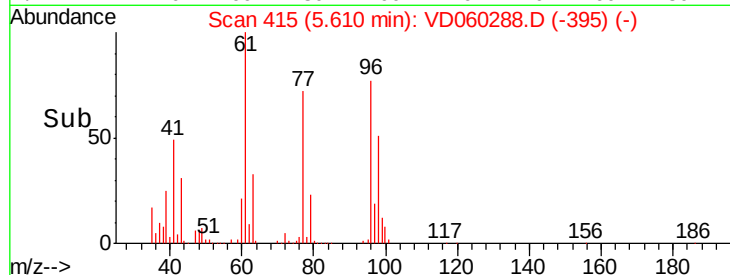
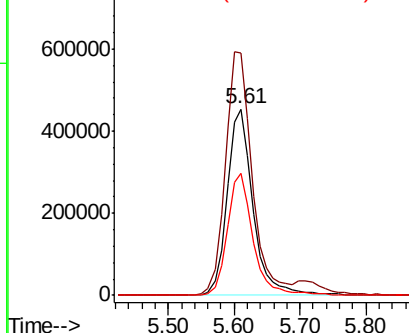
cis-1,2-Dichloroethene
 Concen: 71.121 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 96 Resp: 1248296
 Ion Ratio Lower Upper
 96 100
 61 129.8 0.0 259.0
 98 65.7 0.0 128.8



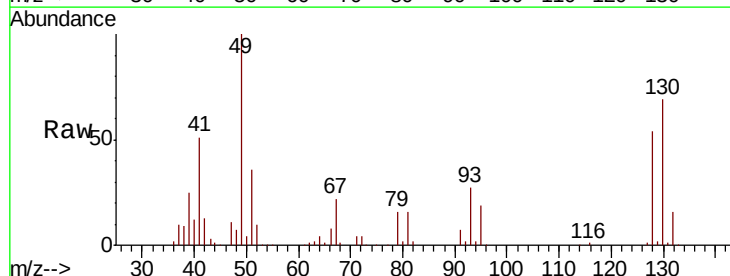
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



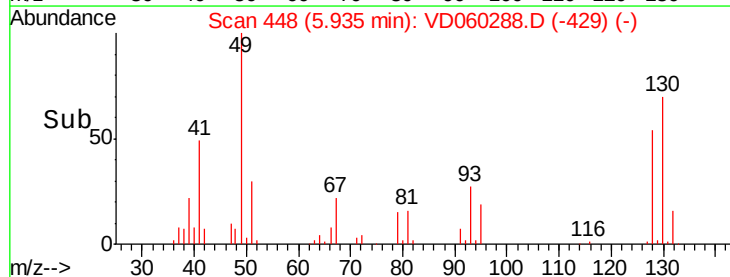
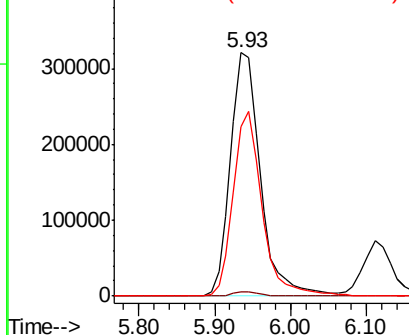
#28

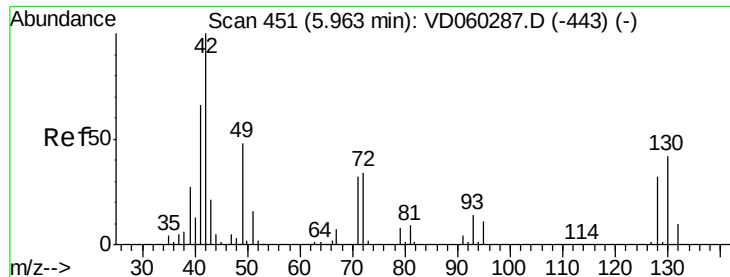
Bromochloromethane
 Concen: 71.603 ug/l
 RT: 5.93 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion: 49 Resp: 881437
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.8
 130 69.4 53.6 80.4



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





#29

Tetrahydrofuran

Concen: 366.766 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

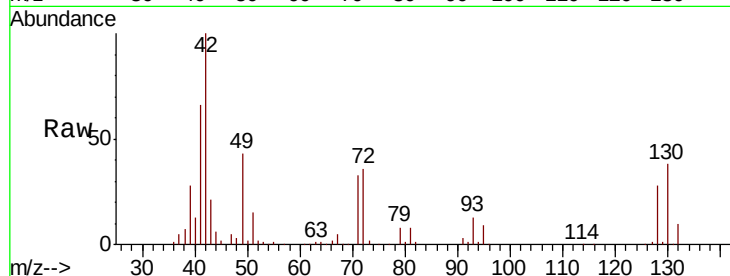
Tot Ion: 42 Resp: 747535

Ion Ratio Lower Upper

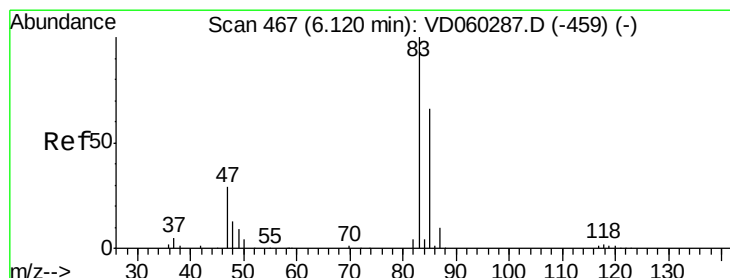
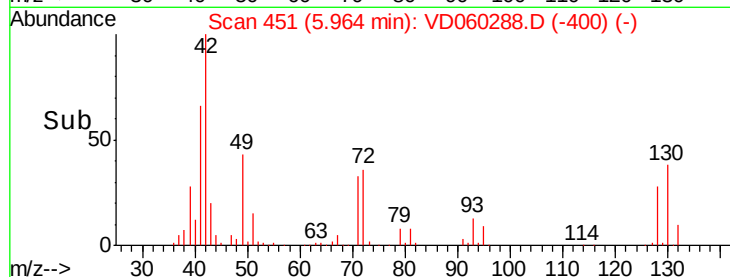
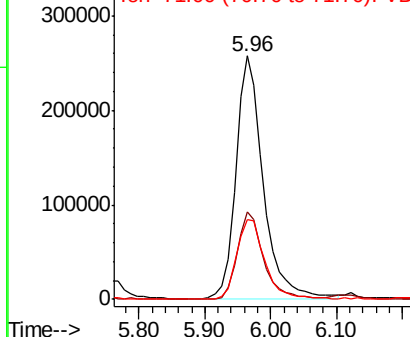
42 100

72 34.7 27.6 41.4

71 34.1 26.5 39.7



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 69.996 ug/l

RT: 6.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060288.D

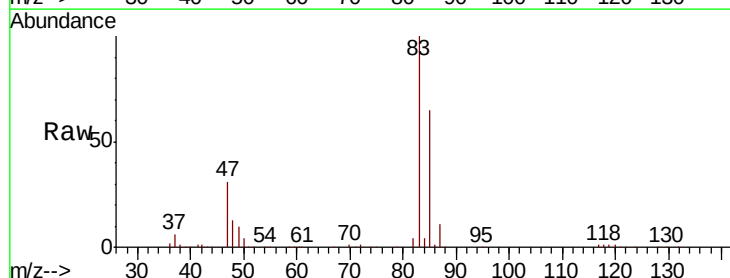
Acq: 6 Nov 2018 13:00

Tgt Ion: 83 Resp: 1954925

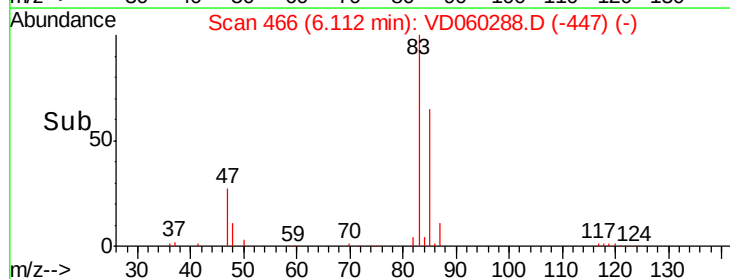
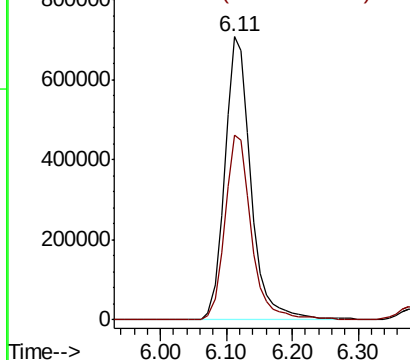
Ion Ratio Lower Upper

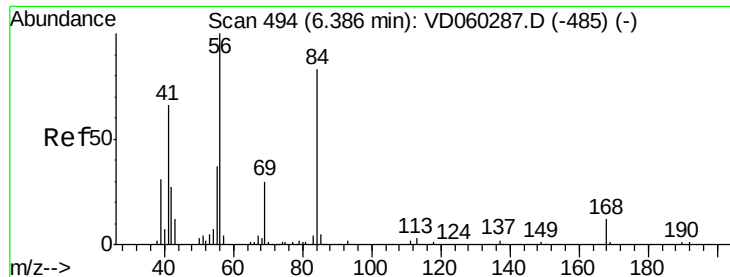
83 100

85 65.4 52.5 78.7



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



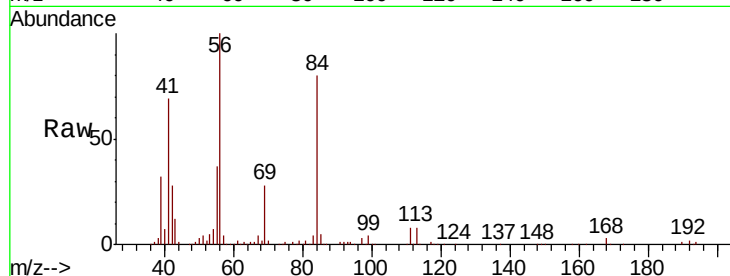


#31
Cyclohexane
Concen: 66.792 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

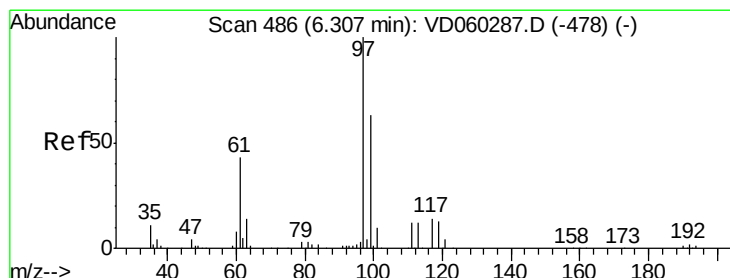
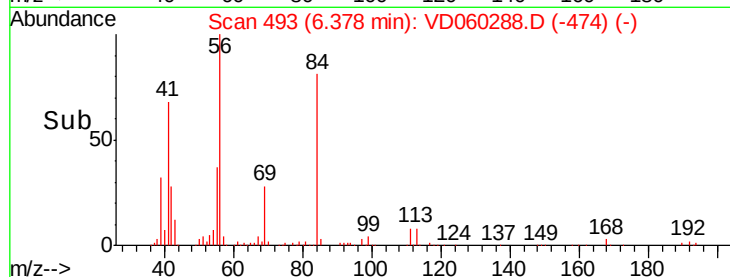
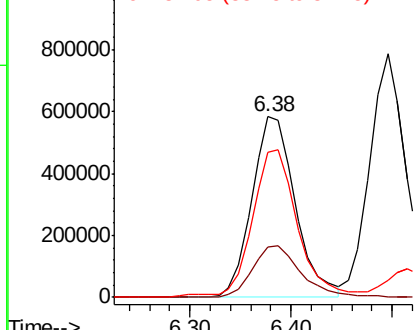
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 1743877

Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.2	33.2
84	80.5	63.0	94.4



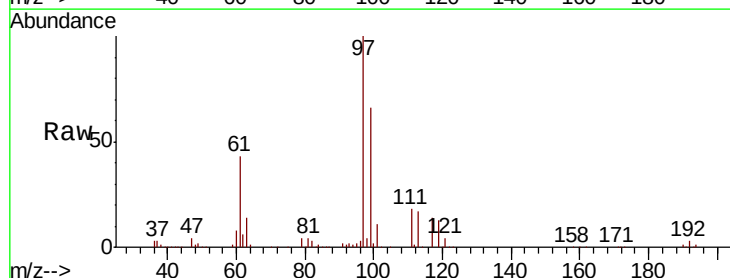
Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



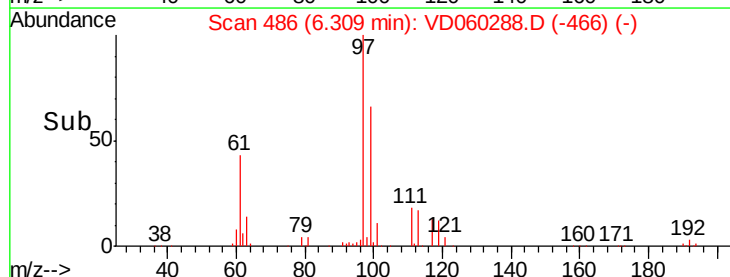
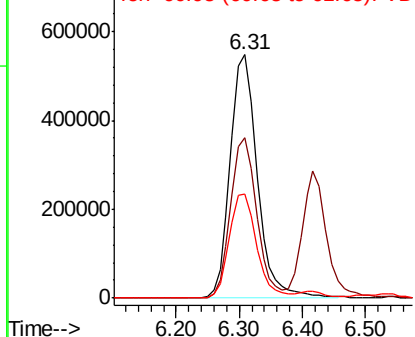
#32
1,1,1-Trichloroethane
Concen: 70.976 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

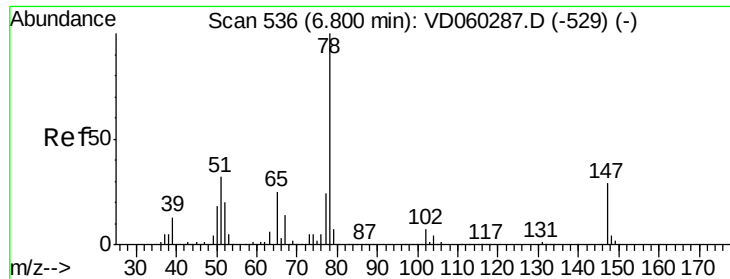
Tgt Ion: 97 Resp: 1634378

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.5	77.3
61	42.6	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

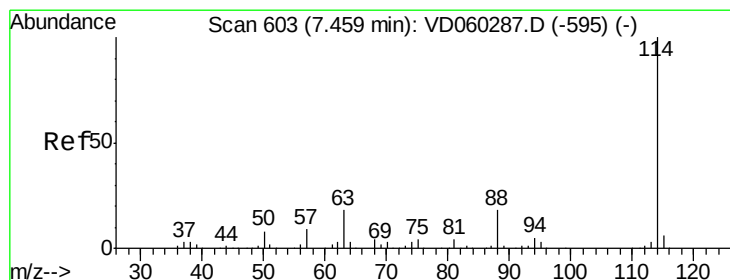
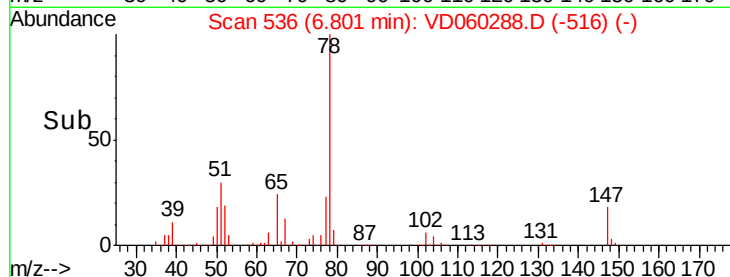
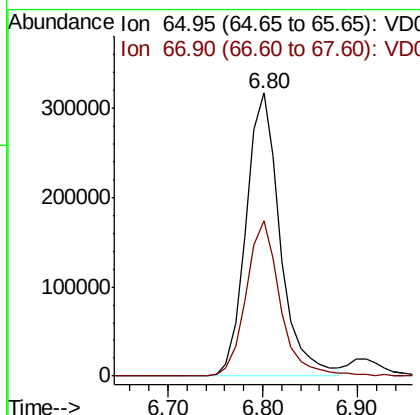
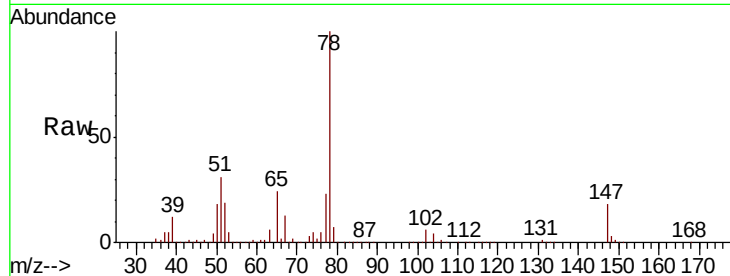




#33
 1,2-Dichloroethane-d4
 Concen: 70.976 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

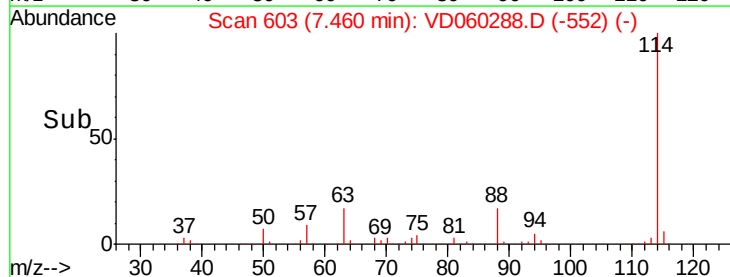
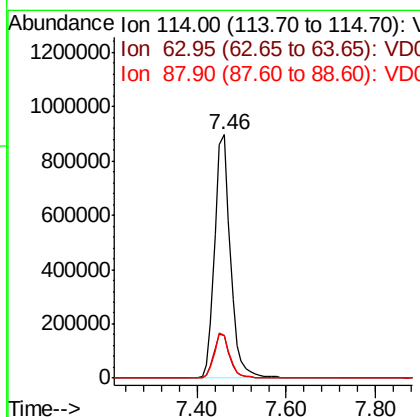
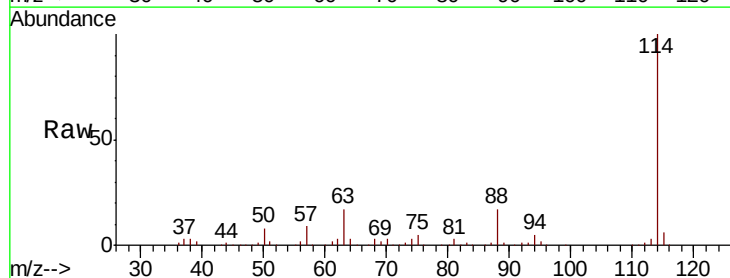
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

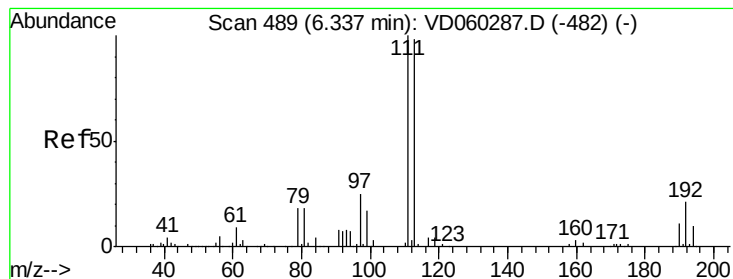
Tot Ion: 65 Resp: 792943
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion: 114 Resp: 2203202
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 34.0
 88 17.4 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: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

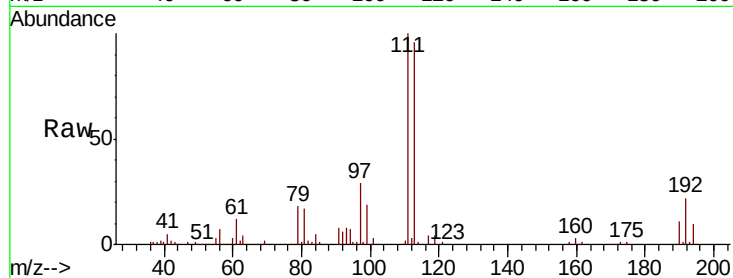
Tot Ion:113 Resp: 1160634

Ion Ratio Lower Upper

113 100

111 103.8 81.6 122.4

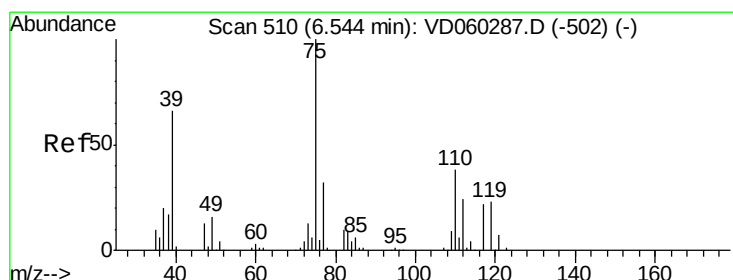
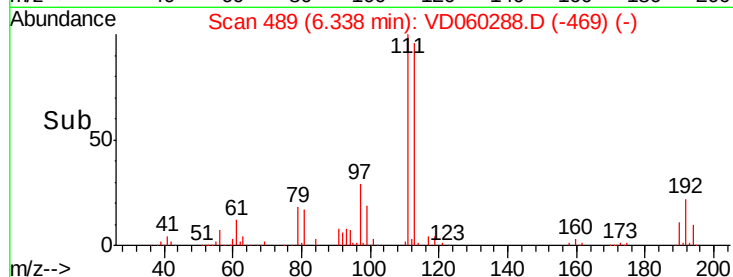
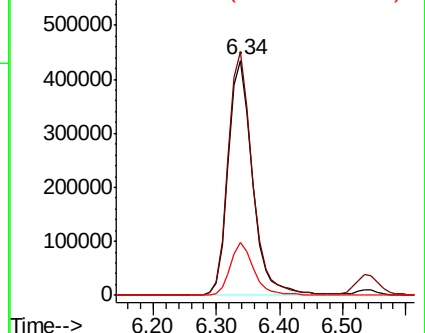
192 22.4 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 69.041 ug/l

RT: 6.53 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

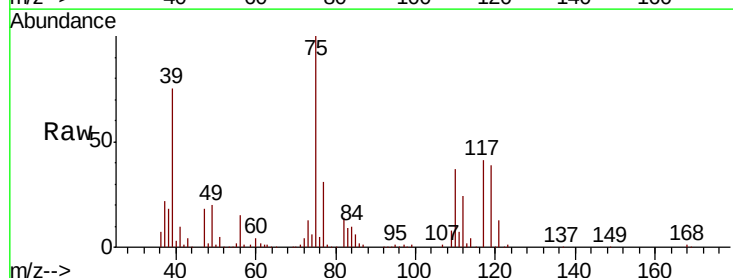
Tgt Ion: 75 Resp: 1470494

Ion Ratio Lower Upper

75 100

110 37.3 18.0 54.0

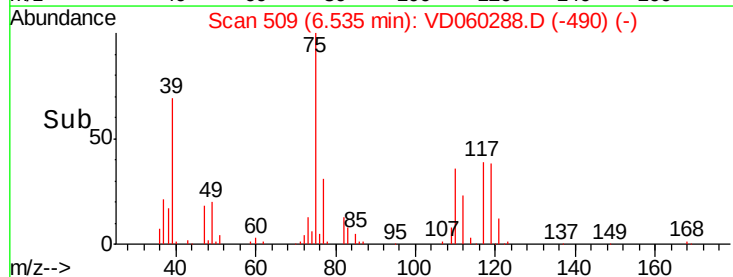
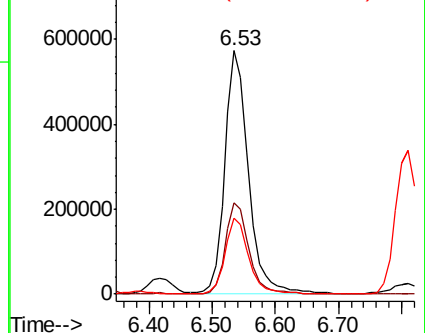
77 31.4 25.6 38.4

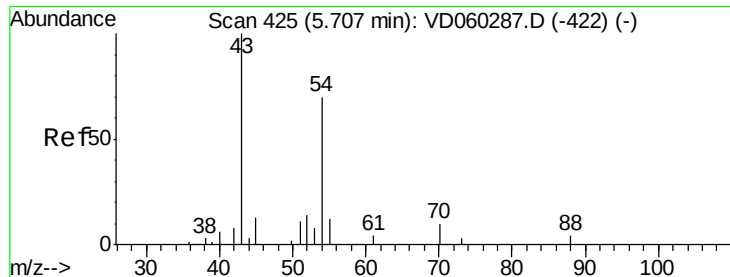


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

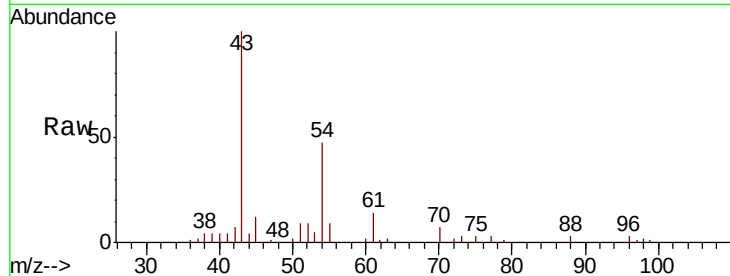




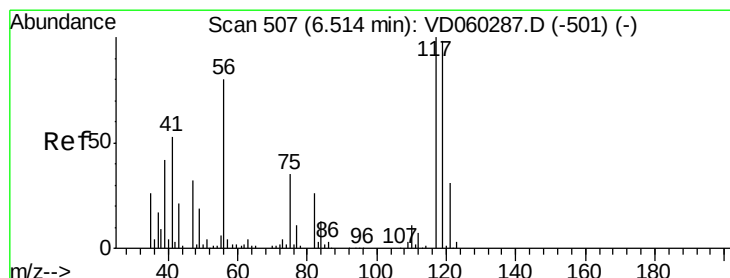
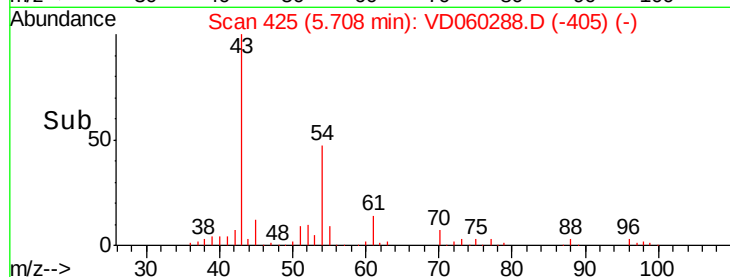
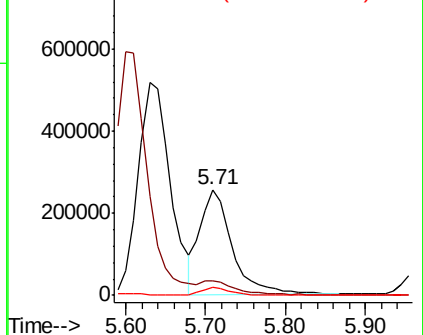
#37
Ethyl Acetate
Concen: 74.795 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 710994
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 7.3 6.2 9.4

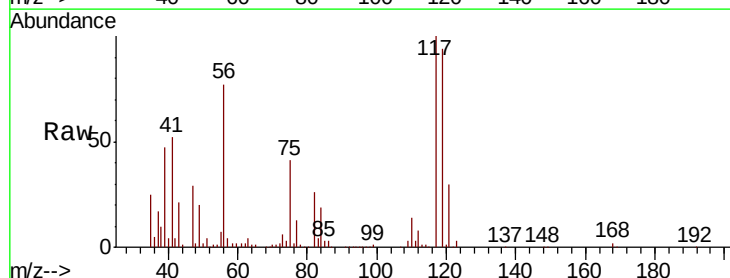


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

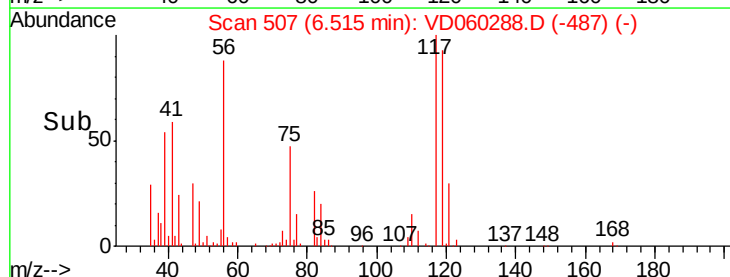
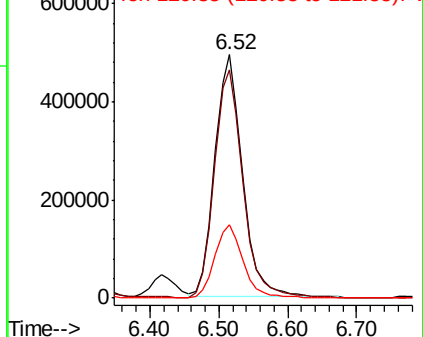


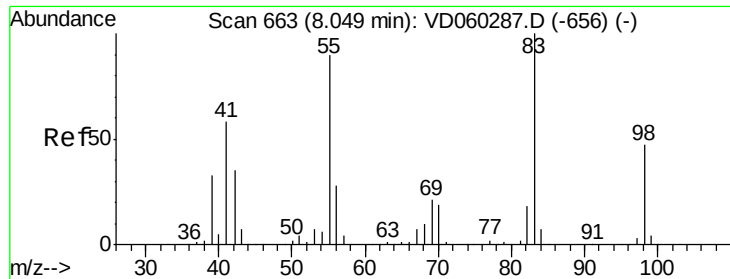
#38
Carbon Tetrachloride
Concen: 71.001 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 117 Resp: 1378188
Ion Ratio Lower Upper
117 100
119 93.9 76.6 115.0
121 30.2 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

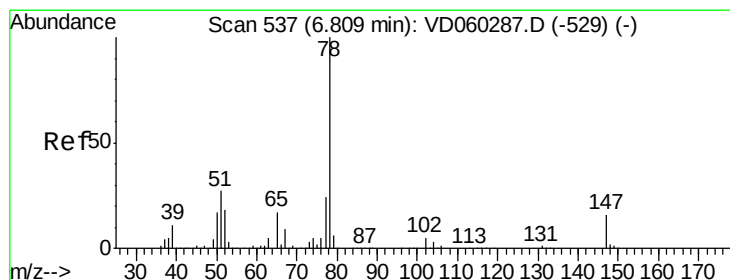
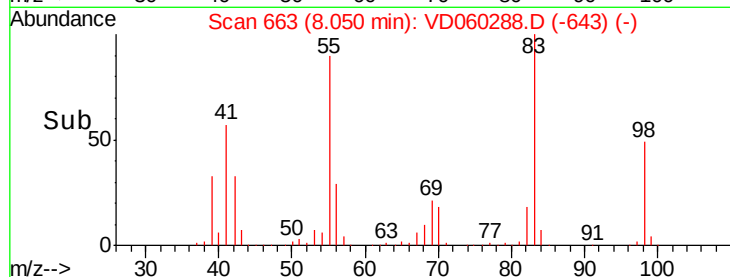
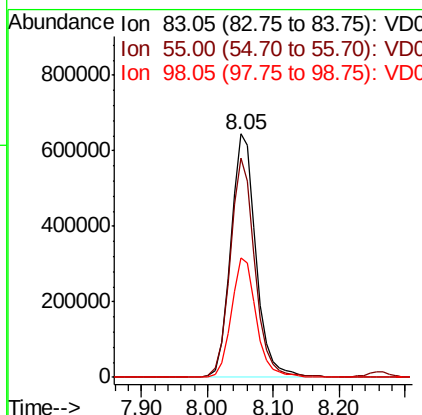
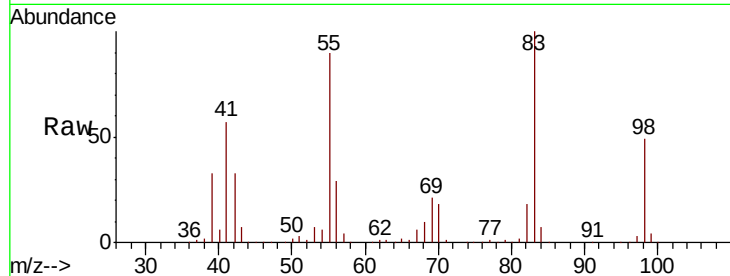




#39
Methylvlcyclohexane
Concen: 72.131 ug/l
RT: 8.05 min Scan# 663
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

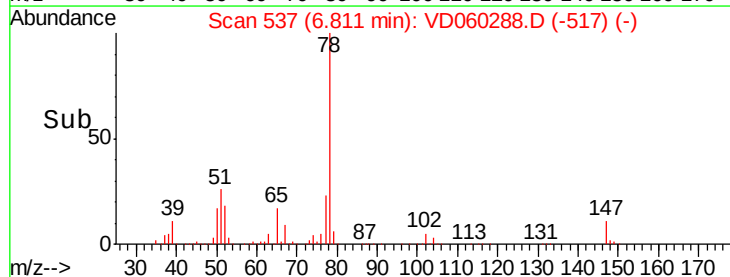
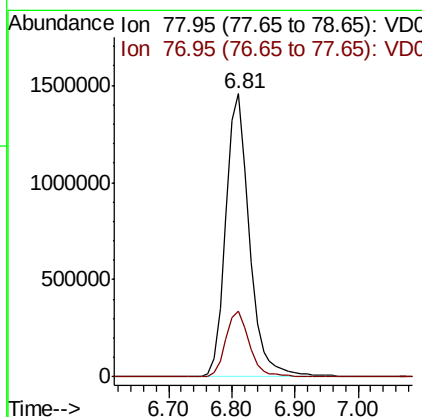
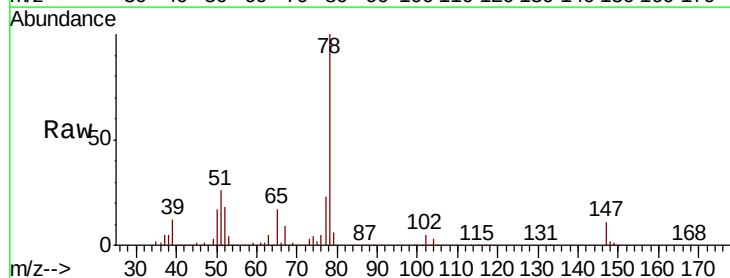
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

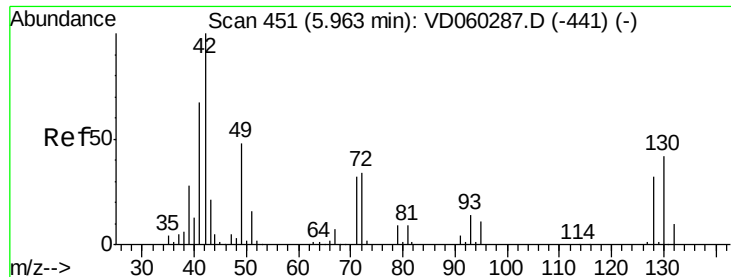
Tot Ion: 83 Resp: 1727452
Ion Ratio Lower Upper
83 100
55 89.8 71.2 106.8
98 49.2 38.4 57.6



#40
Benzene
Concen: 68.819 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 78 Resp: 3782095
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 127.533 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 41 Resp: 800961

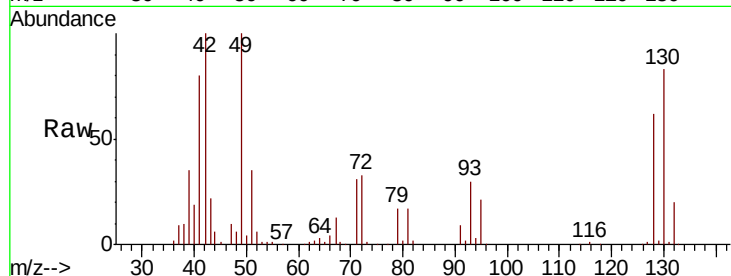
Ion Ratio Lower Upper

41 100

39 43.7 36.2 54.2

67 16.7 11.9 17.9

52 7.8 5.2 7.8

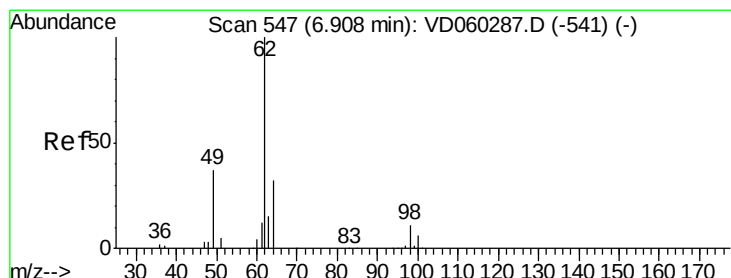
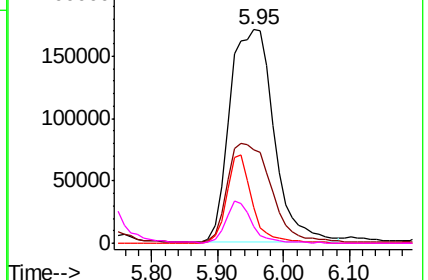
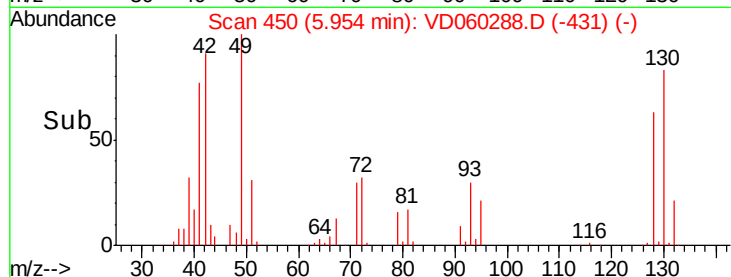


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 71.477 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD060288.D

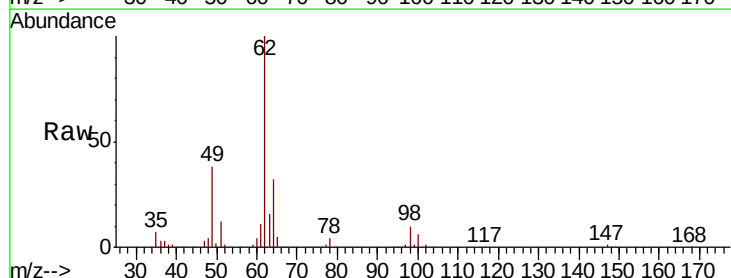
Acq: 6 Nov 2018 13:00

Tgt Ion: 62 Resp: 1018246

Ion Ratio Lower Upper

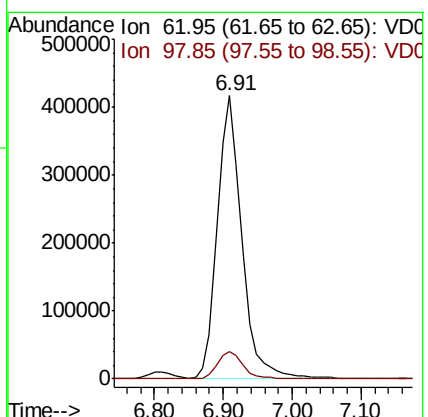
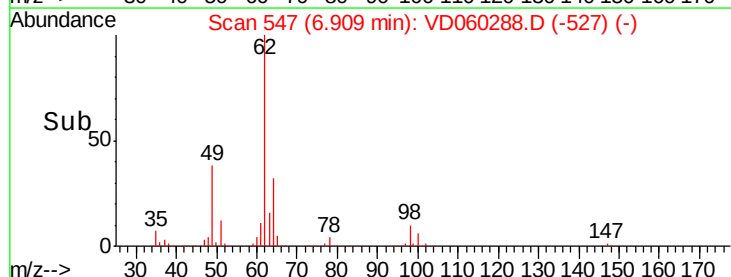
62 100

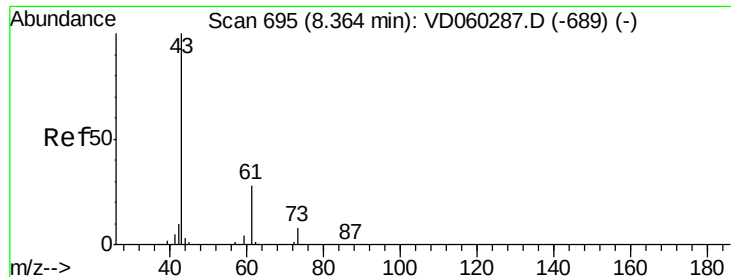
98 9.7 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 76.561 ug/l

RT: 8.37 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

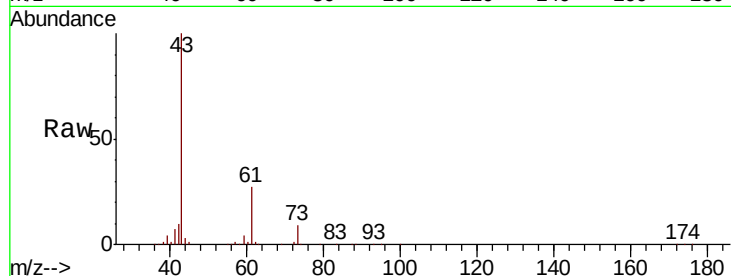
Tot Ion: 43 Resp: 939417

Ion Ratio Lower Upper

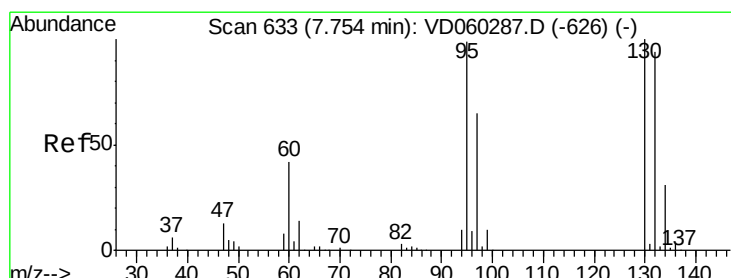
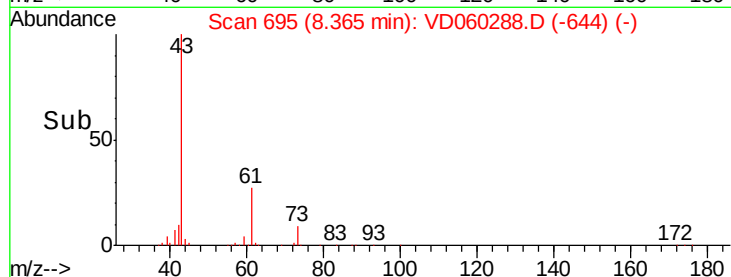
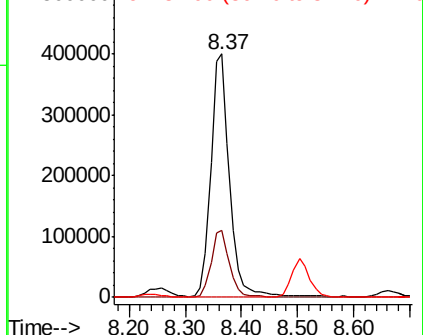
43 100

61 27.3 22.3 33.5

87 0.3 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: 71.162 ug/l

RT: 7.76 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060288.D

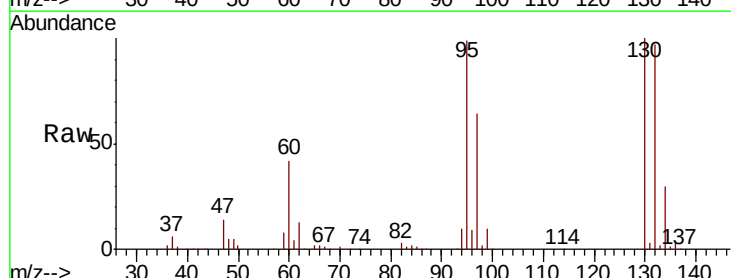
Acq: 6 Nov 2018 13:00

Tgt Ion:130 Resp: 1195239

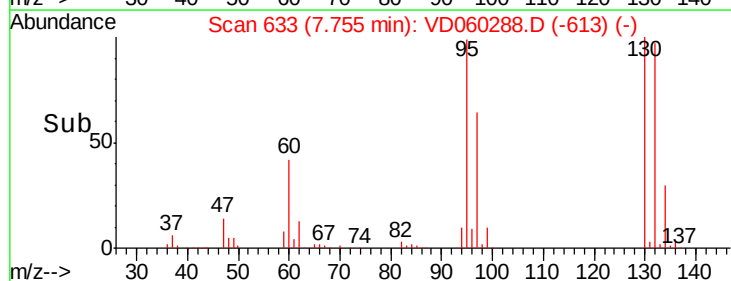
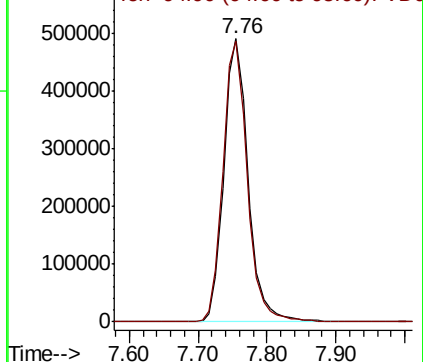
Ion Ratio Lower Upper

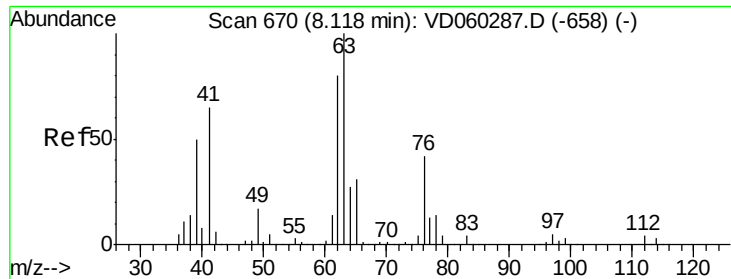
130 100

95 99.3 0.0 200.0



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

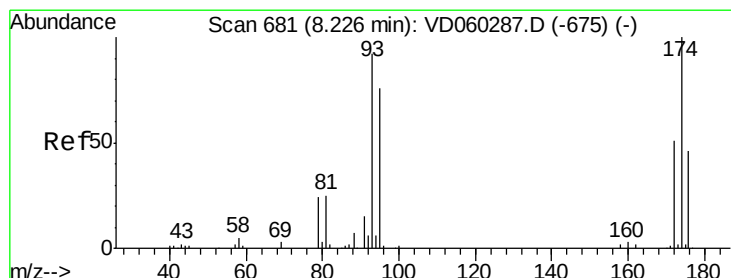
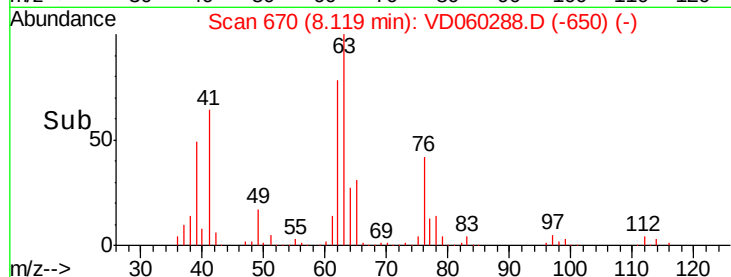
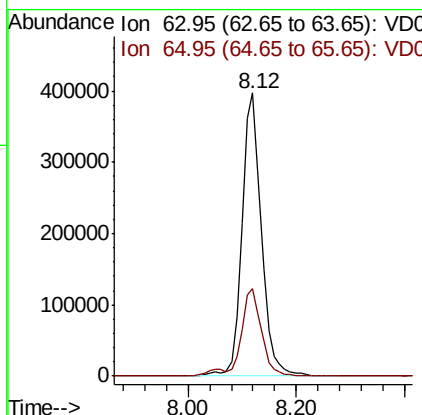
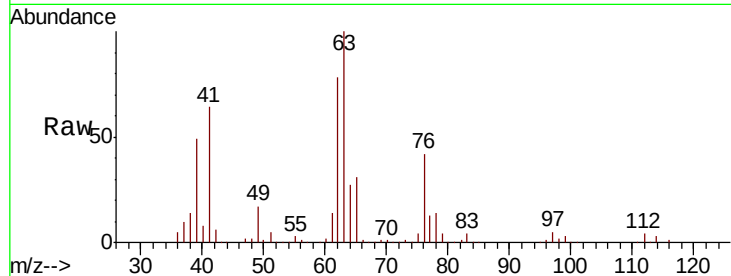




#45
 1,2-Dichloropropane
 Concen: 72.312 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

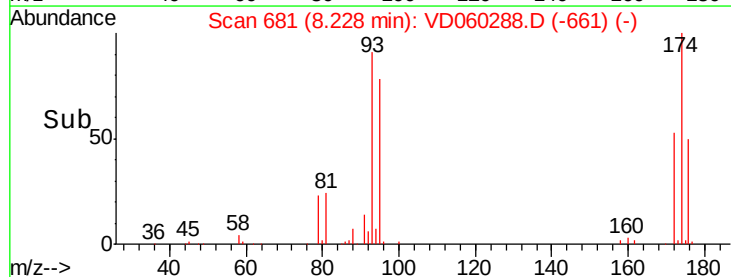
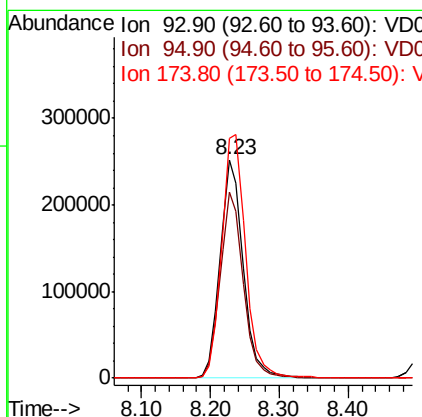
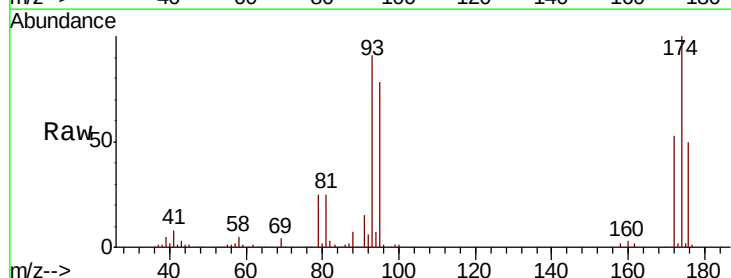
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

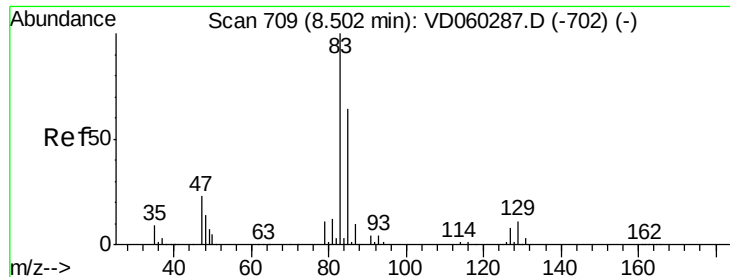
Tot Ion: 63 Resp: 991254
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.4 35.2



#46
 Dibromomethane
 Concen: 74.703 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion: 93 Resp: 587187
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.4 99.6
 174 109.9 87.8 131.8





#47

Bromodichloromethane

Concen: 73.378 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

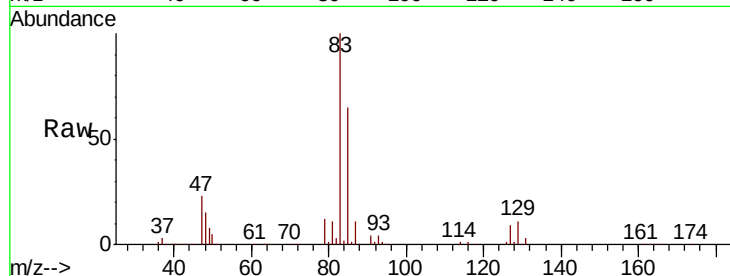
Tot Ion: 83 Resp: 1388238

Ion Ratio Lower Upper

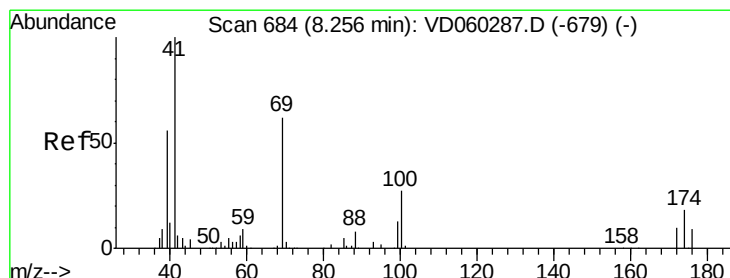
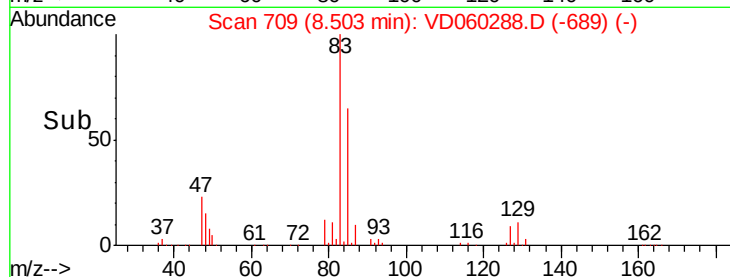
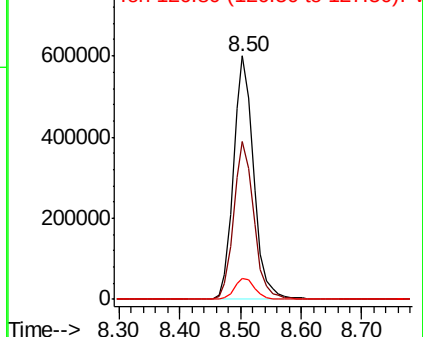
83 100

85 64.7 51.0 76.6

127 8.8 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: 75.700 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

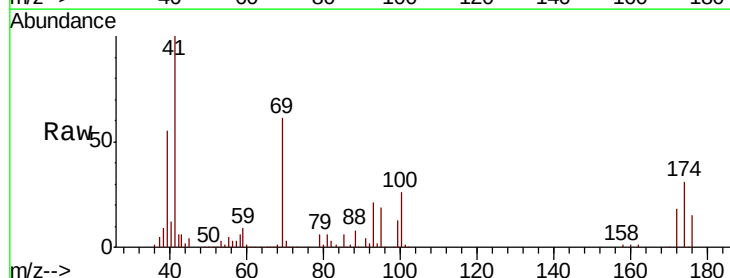
Tgt Ion: 41 Resp: 556523

Ion Ratio Lower Upper

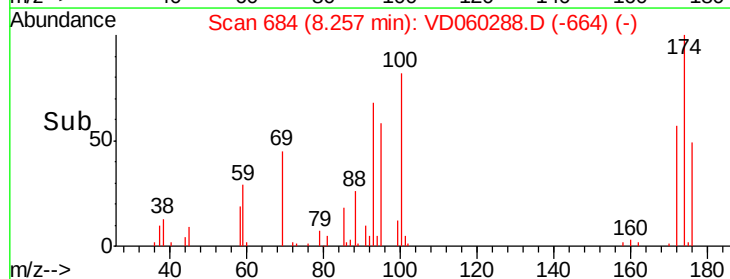
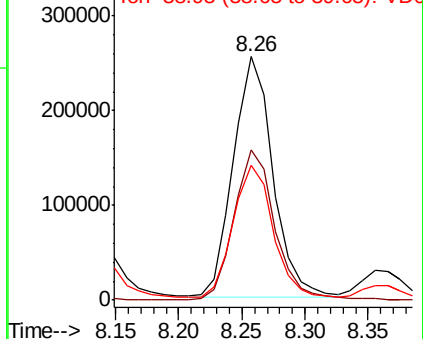
41 100

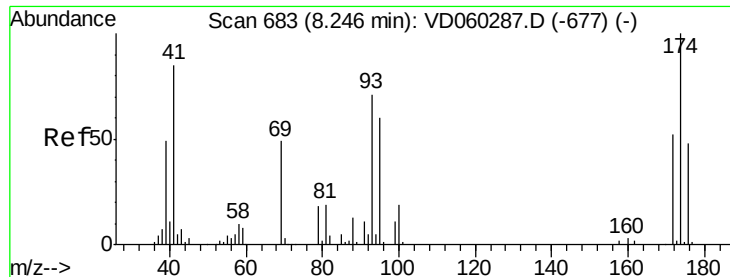
69 61.5 47.0 70.4

39 55.5 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: 1471.665 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

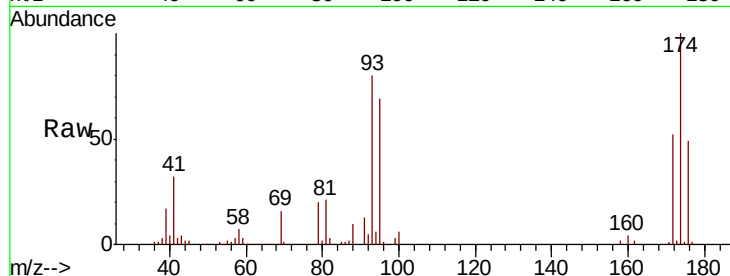
Tot Ion: 88 Resp: 96862

Ion Ratio Lower Upper

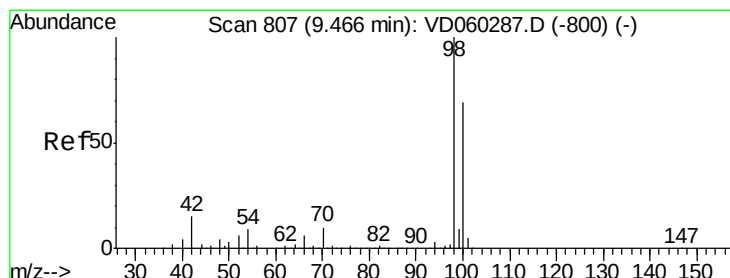
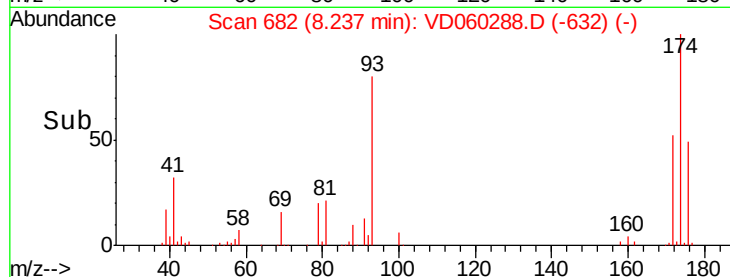
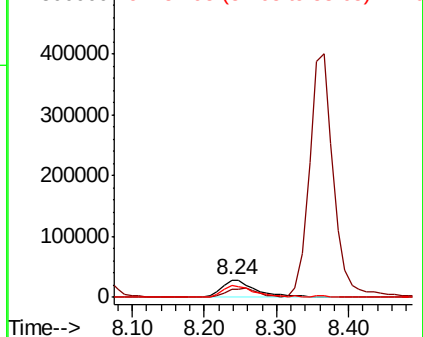
88 100

43 42.3 39.7 59.5

58 65.8 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: 1471.665 ug/l

RT: 9.47 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060288.D

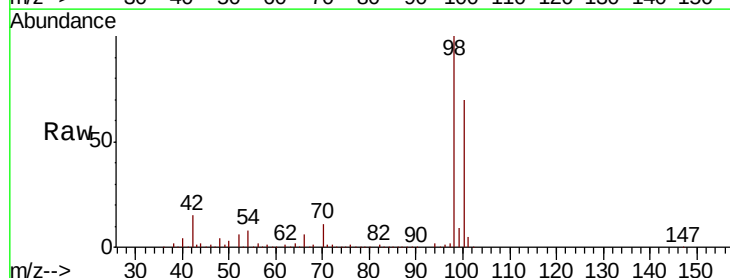
Acq: 6 Nov 2018 13:00

Tgt Ion: 98 Resp: 3397639

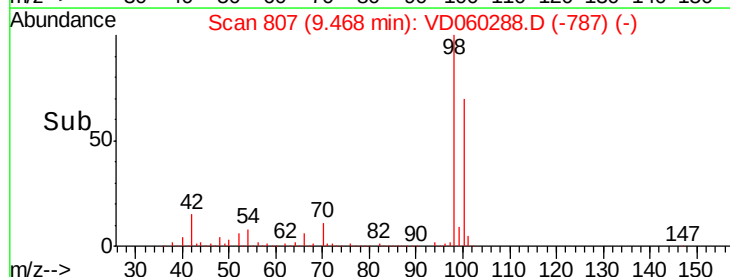
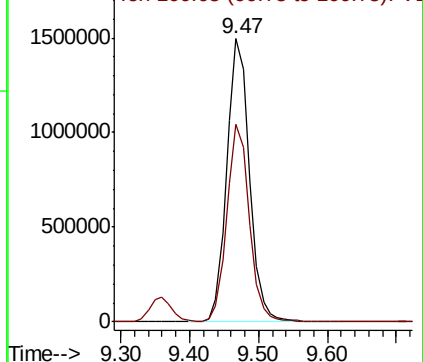
Ion Ratio Lower Upper

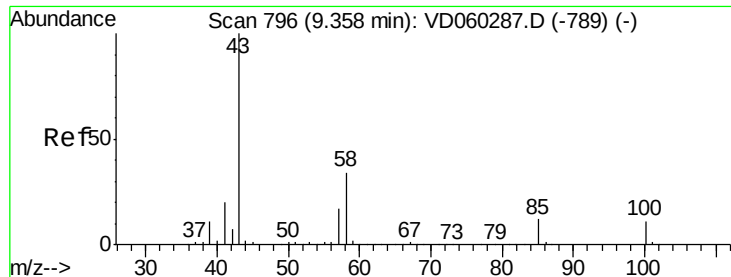
98 100

100 69.7 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: 373.530 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

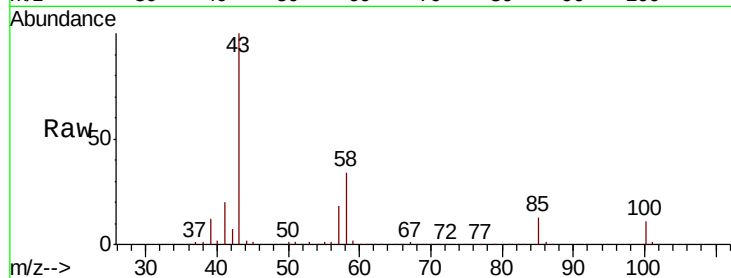
VSTDIC075

Tot Ion: 43 Resp: 2892736

Ion Ratio Lower Upper

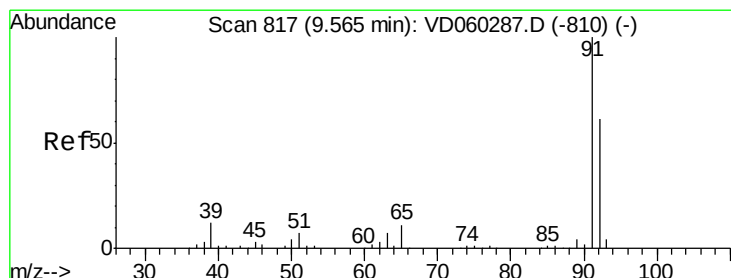
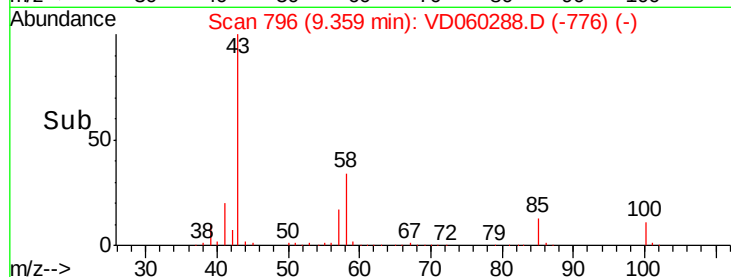
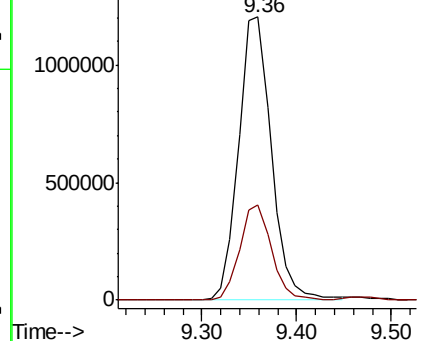
43 100

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: 69.381 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060288.D

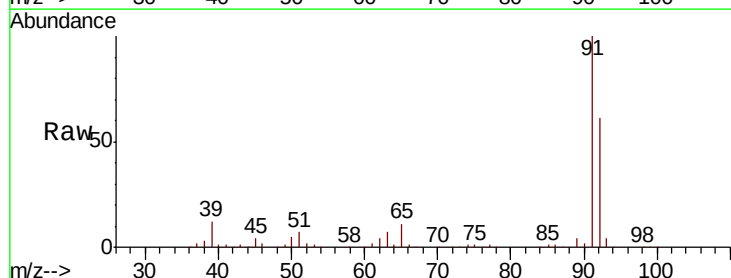
Acq: 6 Nov 2018 13:00

Tgt Ion: 92 Resp: 2412776

Ion Ratio Lower Upper

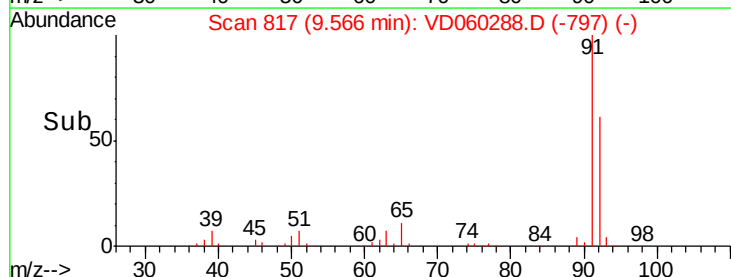
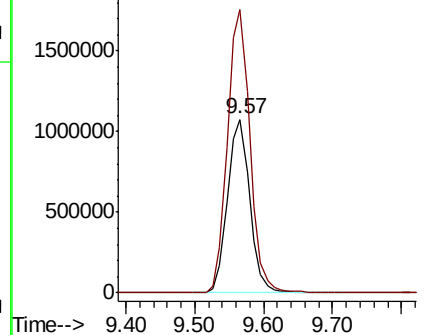
92 100

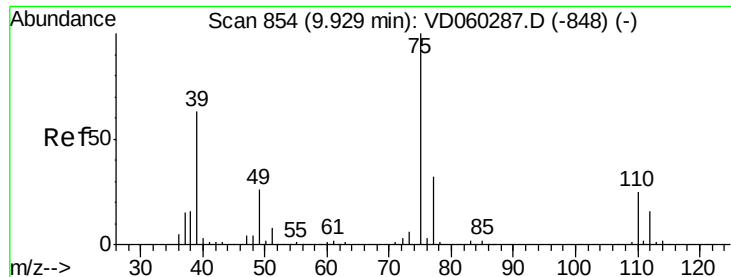
91 163.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

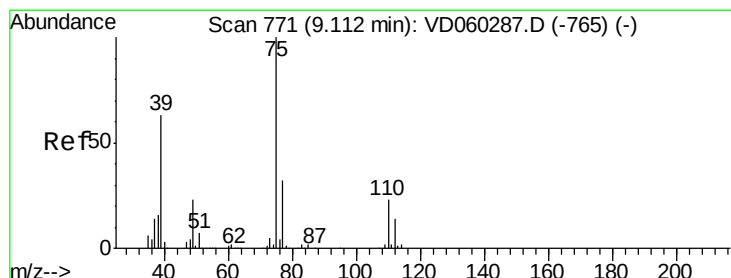
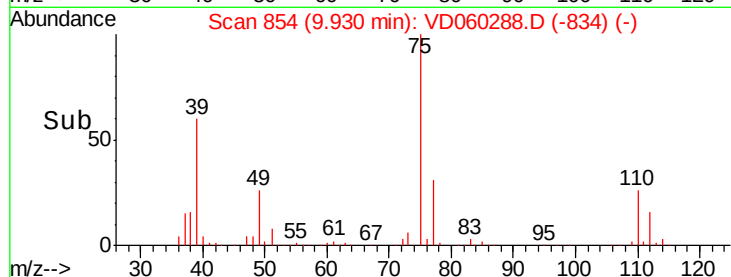
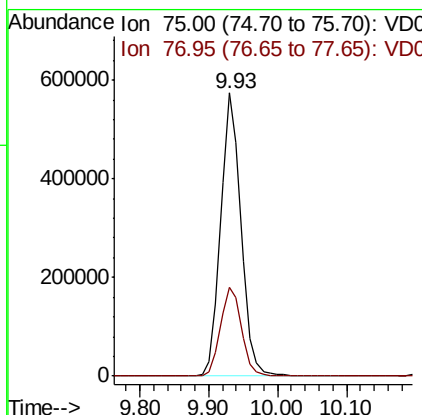
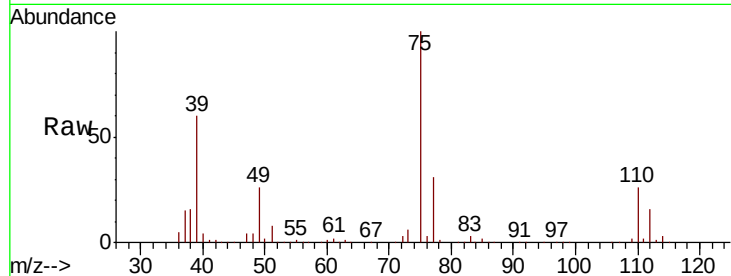




#53
t-1,3-Dichloropropene
Concen: 74.761 ug/l
RT: 9.93 min Scan# 854
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

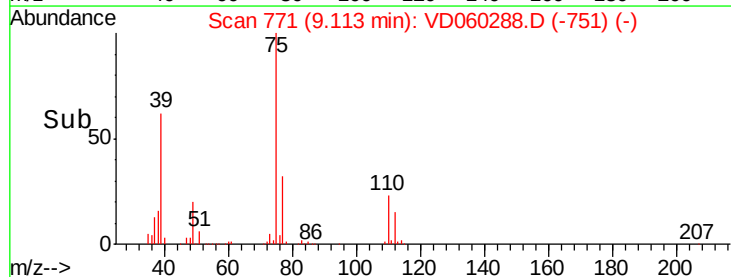
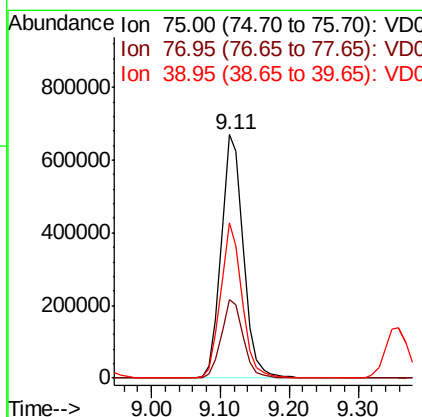
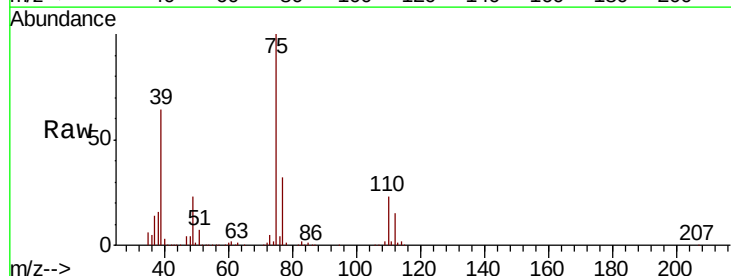
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

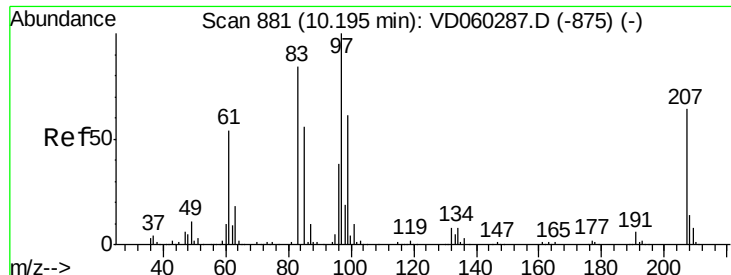
Tot Ion: 75 Resp: 1173412
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 72.741 ug/l
RT: 9.11 min Scan# 771
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 75 Resp: 1489716
Ion Ratio Lower Upper
75 100
77 32.4 26.3 39.5
39 63.8 50.8 76.2

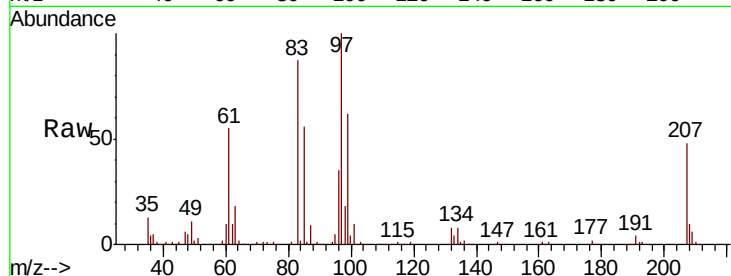




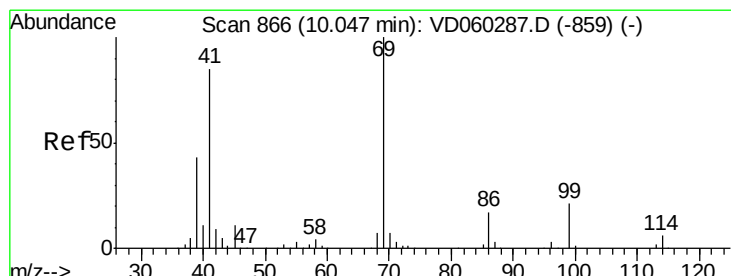
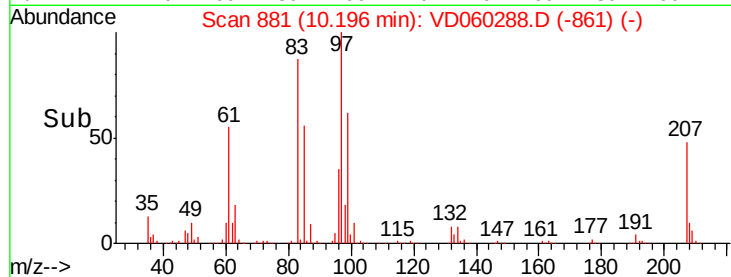
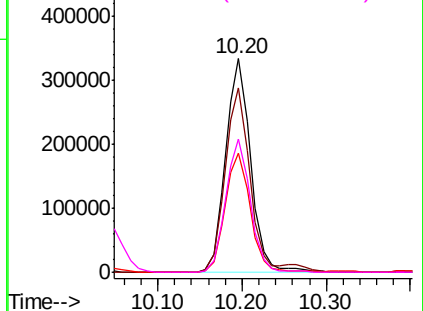
#55
 1,1,2-Trichloroethane
 Concen: 70.419 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 97 Resp: 685093
 Ion Ratio Lower Upper
 97 100
 83 86.5 68.4 102.6
 85 55.9 46.8 70.2
 99 62.1 49.5 74.3

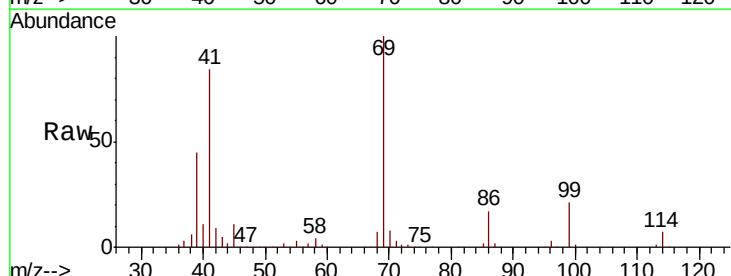


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

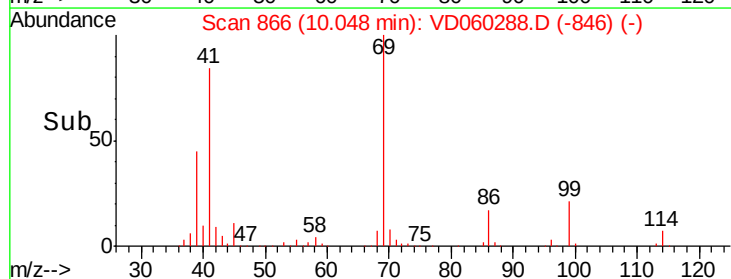
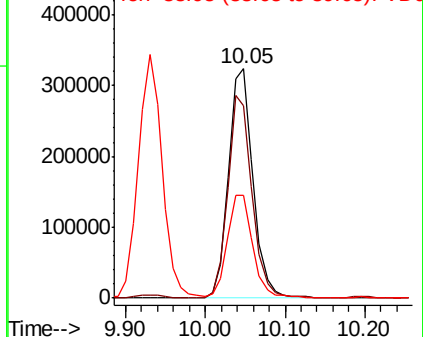


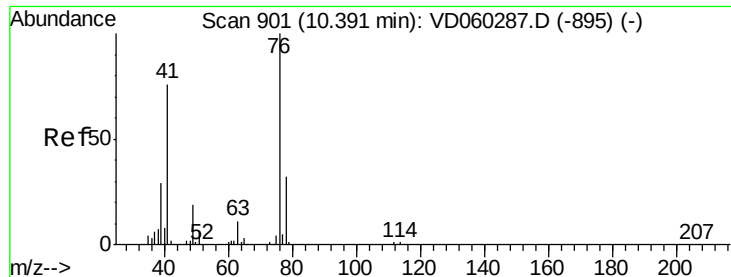
#56
 Ethyl methacrylate
 Concen: 75.614 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion: 69 Resp: 699287
 Ion Ratio Lower Upper
 69 100
 41 84.1 69.0 103.4
 39 44.6 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: 74.674 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

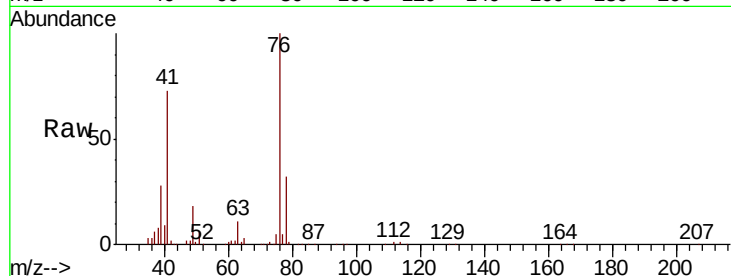
VSTDIC075

Tot Ion: 76 Resp: 1110116

Ion Ratio Lower Upper

76 100

78 31.7 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

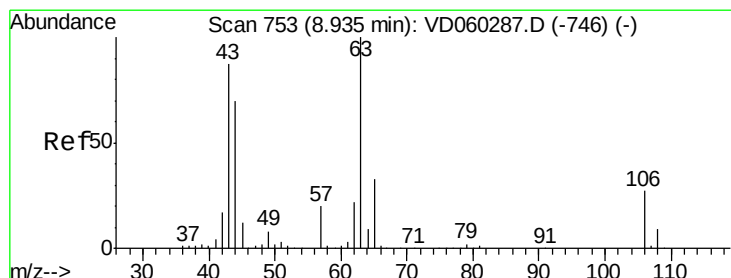
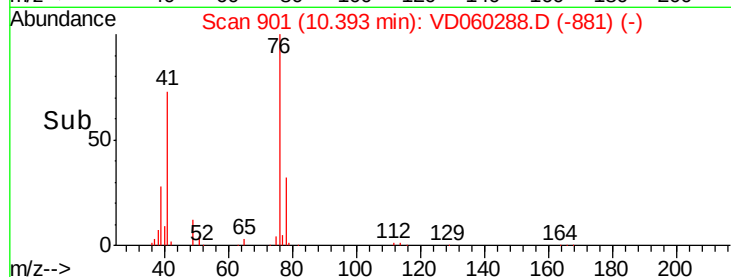
600000

400000

200000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 365.730 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD060288.D

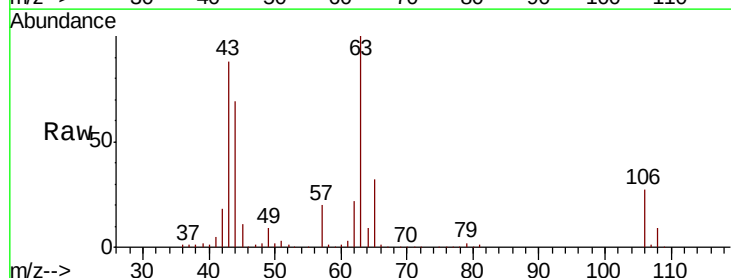
Acq: 6 Nov 2018 13:00

Tgt Ion: 63 Resp: 1999725

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

1000000

800000

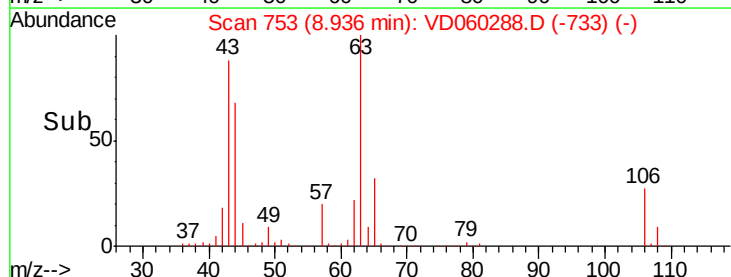
600000

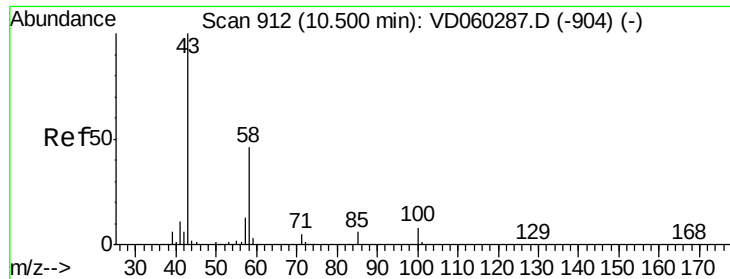
400000

200000

0

Time-->

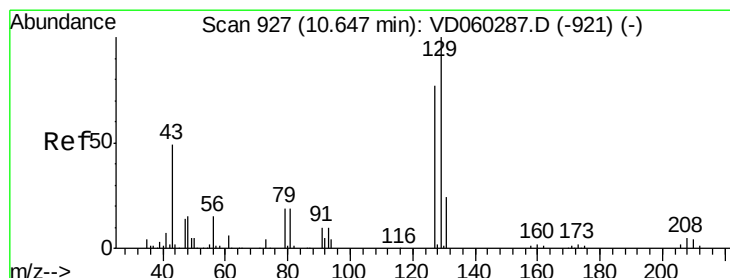
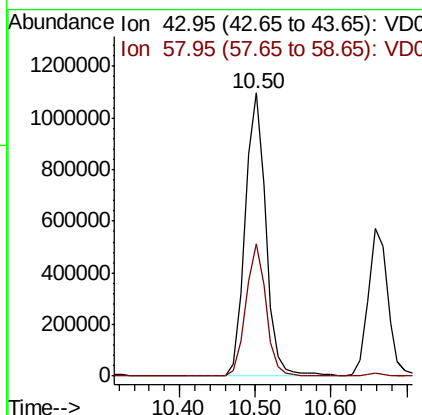
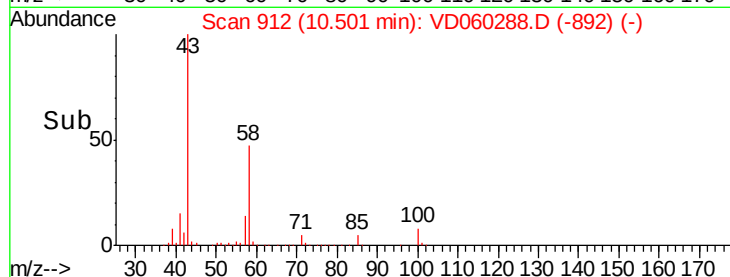
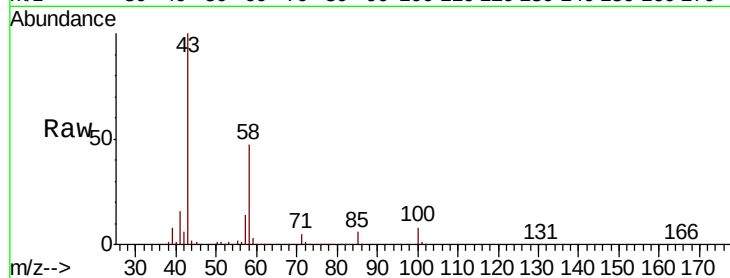




#59
2-Hexanone
Concen: 362.444 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

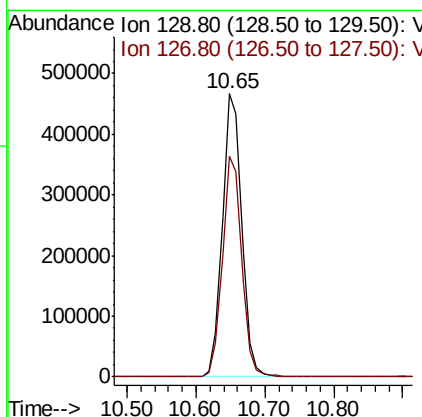
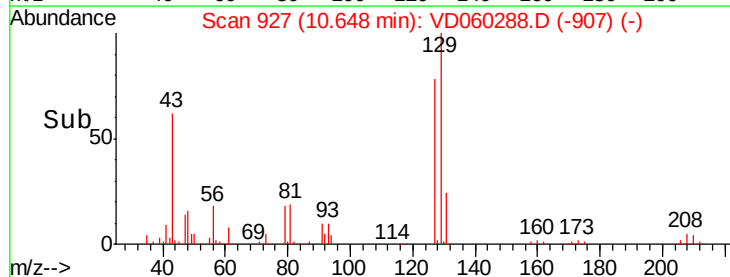
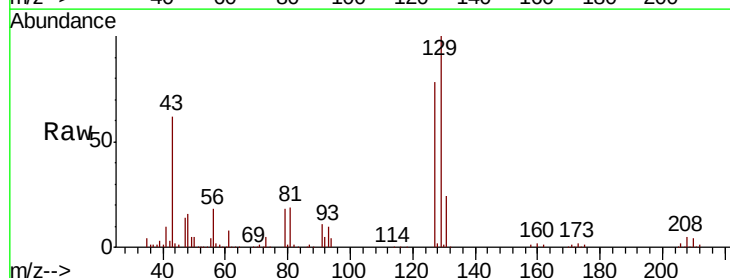
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

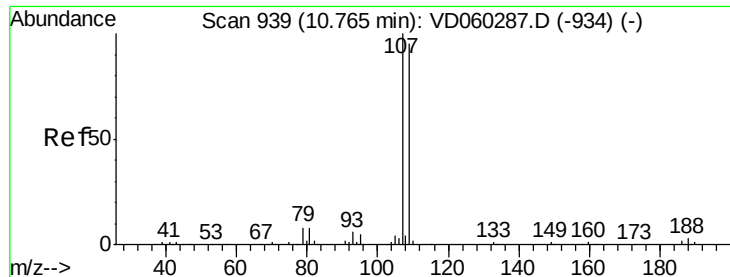
Tot Ion: 43 Resp: 2067275
Ion Ratio Lower Upper
43 100
58 47.0 22.9 68.5



#60
Dibromochloromethane
Concen: 73.791 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 129 Resp: 910020
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 75.023 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

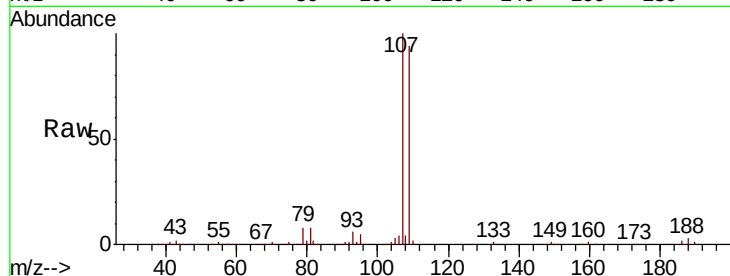
VSTDIC075

Tot Ion:107 Resp: 740534

Ion Ratio Lower Upper

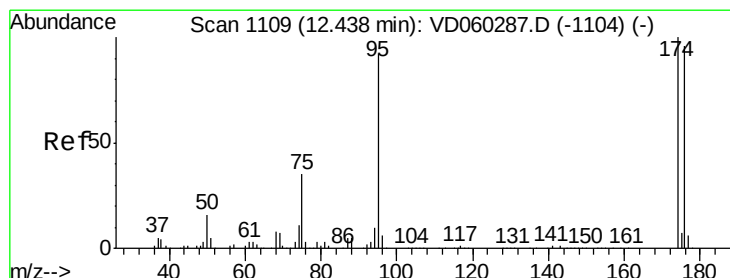
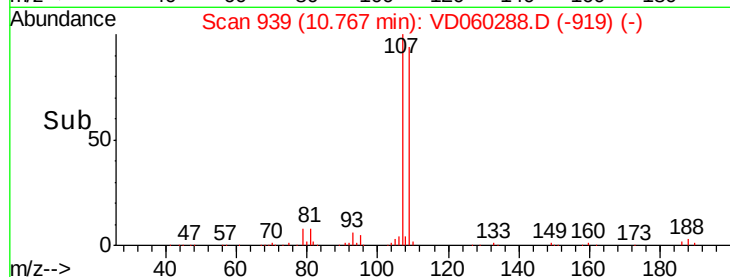
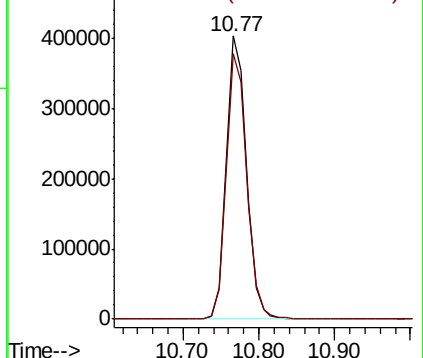
107 100

109 93.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 75.023 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

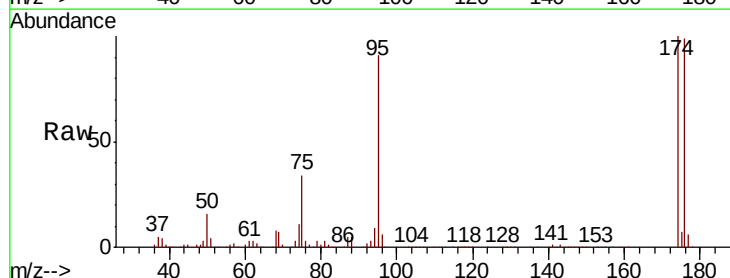
Tgt Ion: 95 Resp: 1230567

Ion Ratio Lower Upper

95 100

174 109.4 0.0 160.8

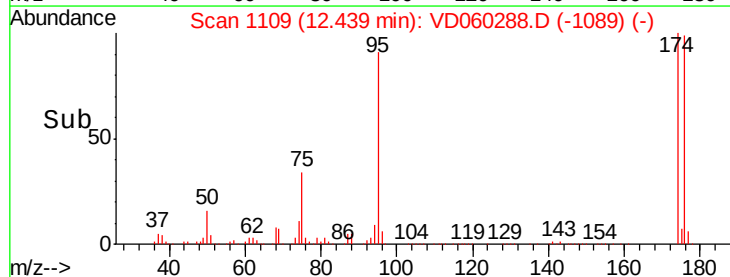
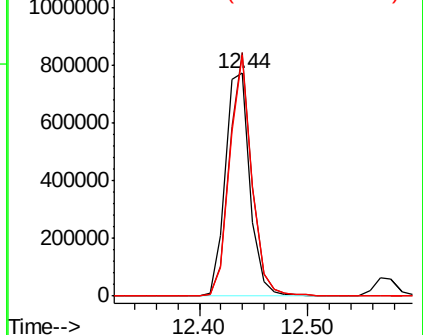
176 108.1 0.0 154.6

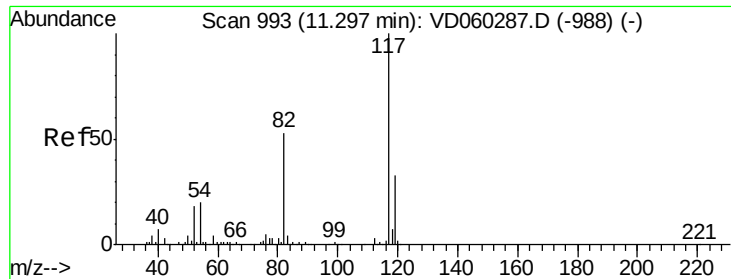


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

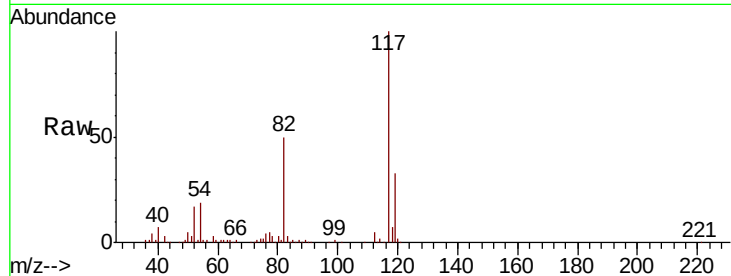




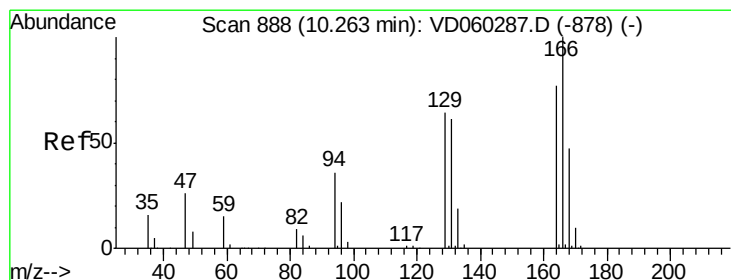
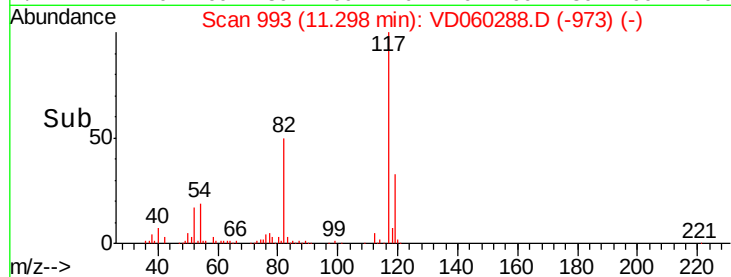
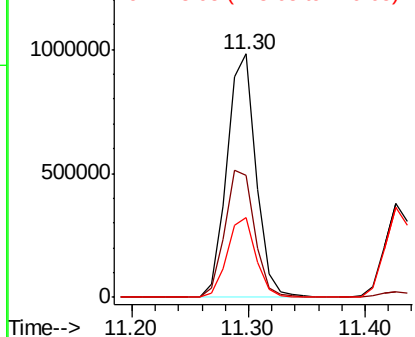
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 1696009
Ion Ratio Lower Upper
117 100
82 50.0 43.7 65.5
119 32.6 26.1 39.1

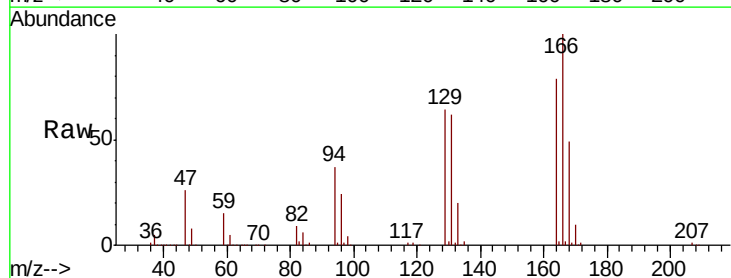


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

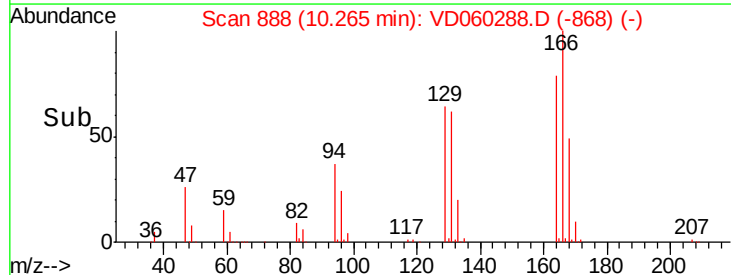
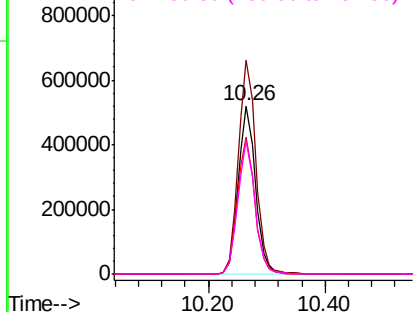


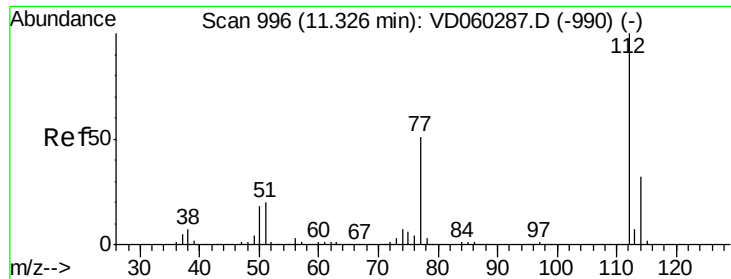
#64
Tetrachloroethene
Concen: 72.067 ug/l
RT: 10.26 min Scan# 888
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion:164 Resp: 1071003
Ion Ratio Lower Upper
164 100
166 127.0 103.7 155.5
129 81.6 65.6 98.4
131 79.3 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

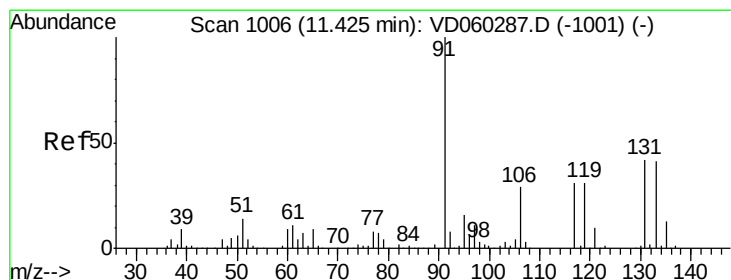
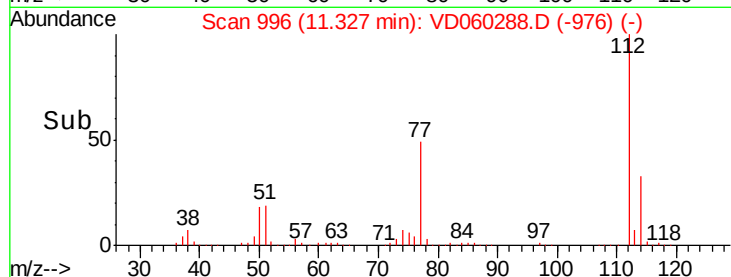
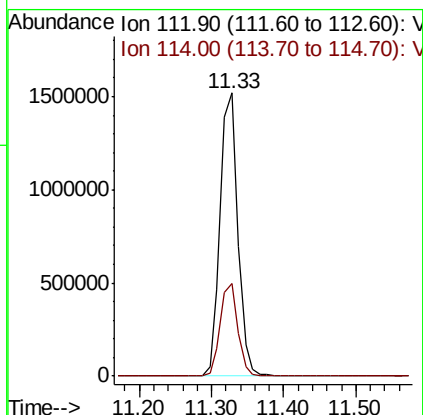
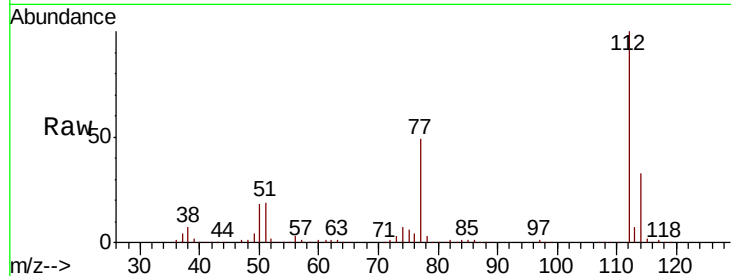




#65
Chlorobenzene
Concen: 70.989 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

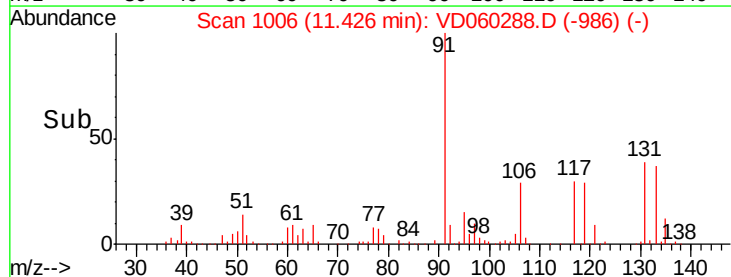
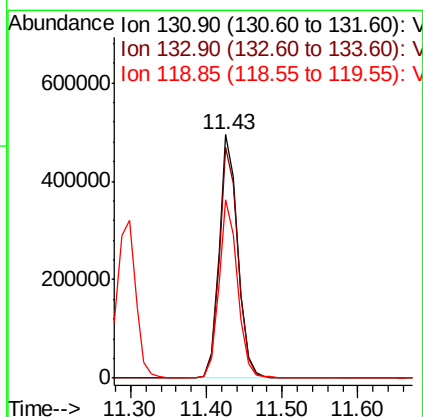
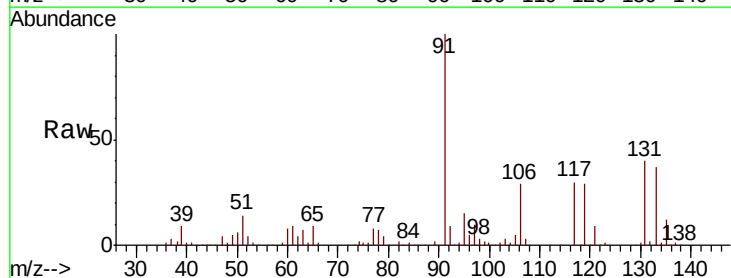
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

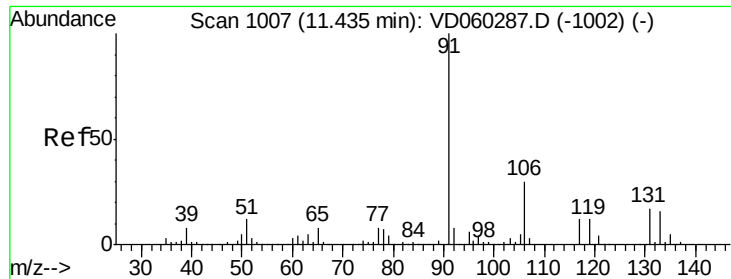
Tot Ion:112 Resp: 2579920
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 71.109 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion:131 Resp: 852680
Ion Ratio Lower Upper
131 100
133 94.7 50.0 150.0
119 73.1 37.0 111.1

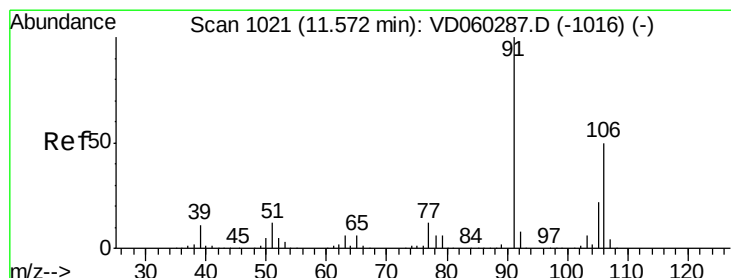
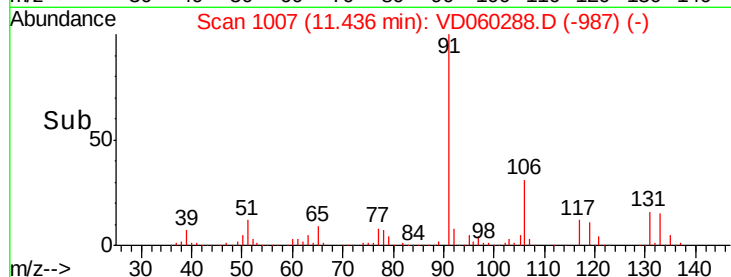
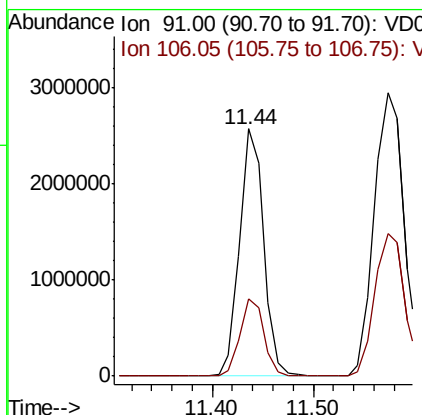
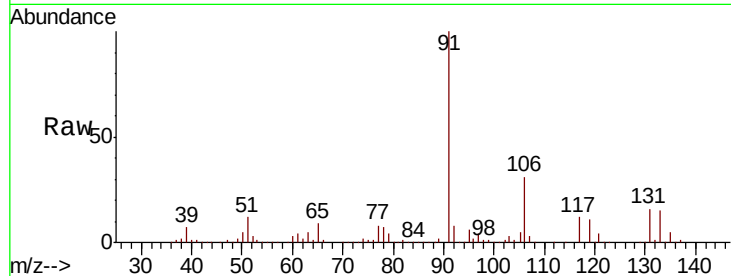




#67
Ethyl Benzene
Concen: 68.973 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

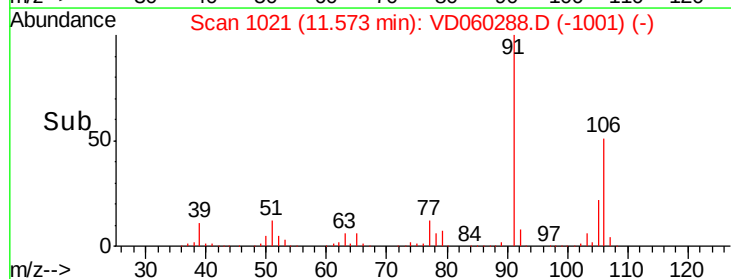
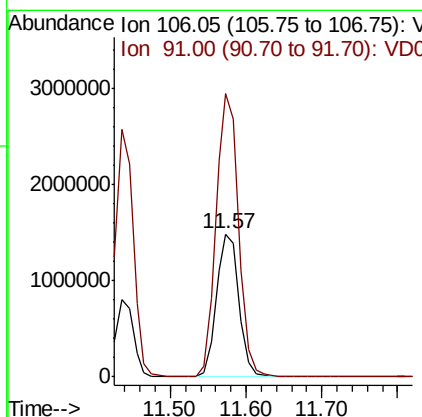
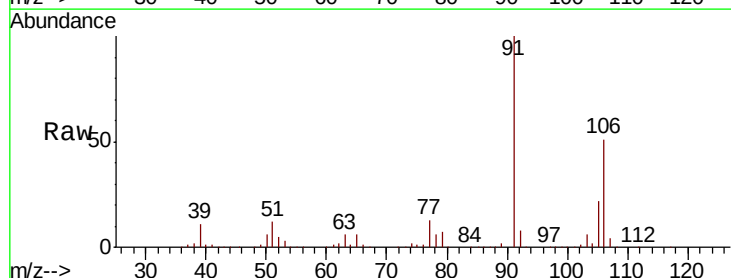
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

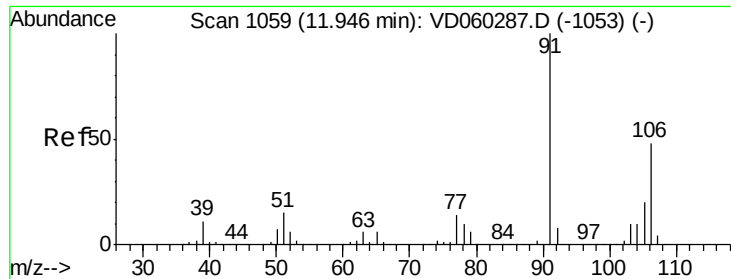
Tot Ion: 91 Resp: 4280175
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 133.637 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 106 Resp: 3061050
Ion Ratio Lower Upper
106 100
91 197.9 159.4 239.2

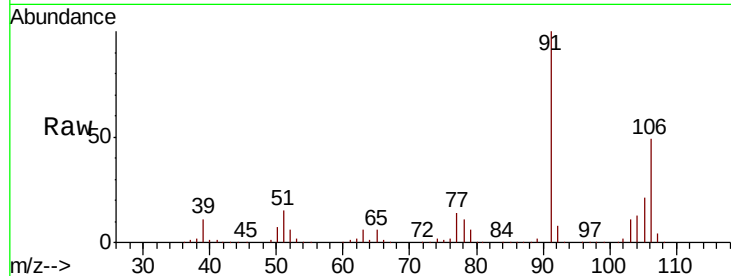




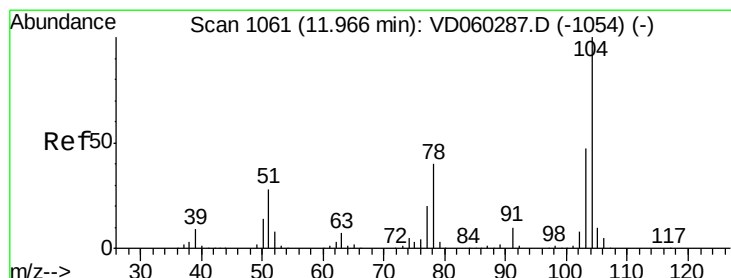
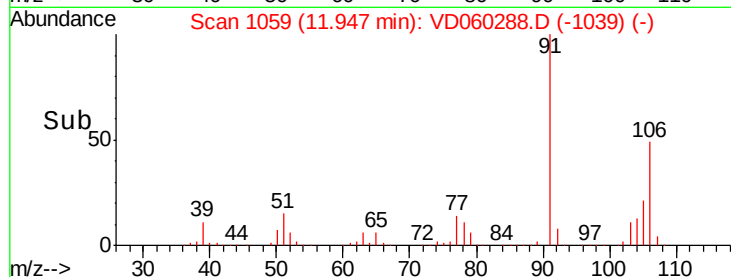
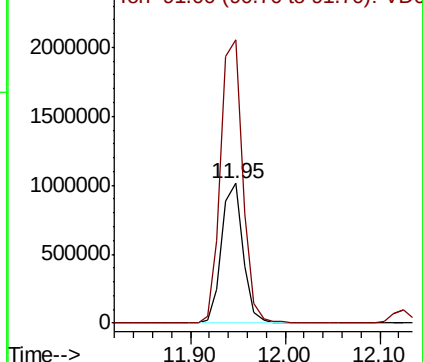
#69
o-Xylene
Concen: 71.304 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 1586927
Ion Ratio Lower Upper
106 100
91 203.0 109.2 327.6

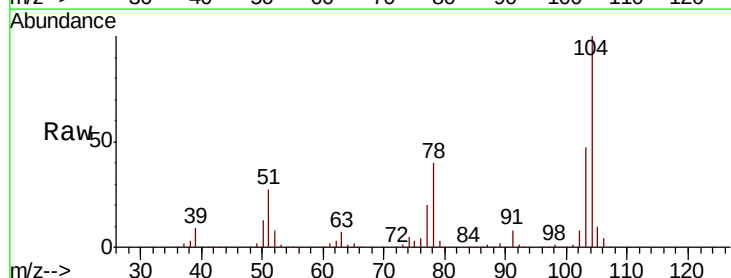


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

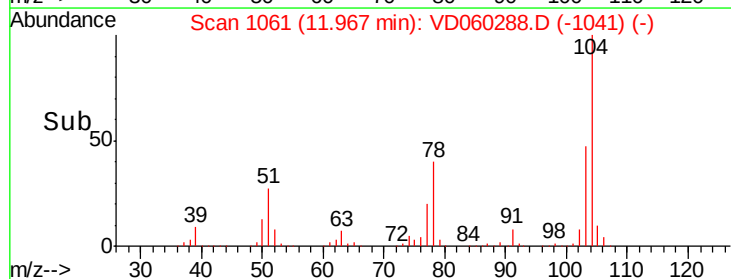
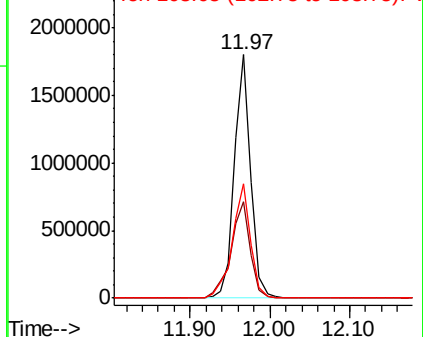


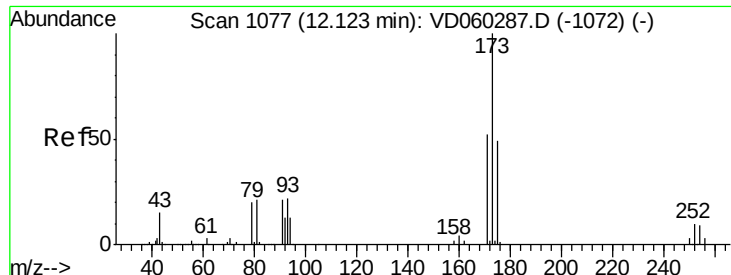
#70
Styrene
Concen: 72.377 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion:104 Resp: 2593928
Ion Ratio Lower Upper
104 100
78 39.7 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: 80.855 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

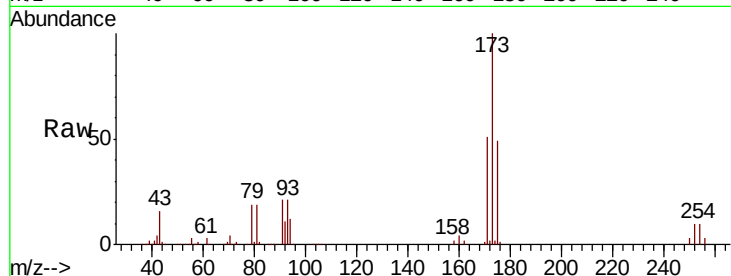
Tot Ion:173 Resp: 621433

Ion Ratio Lower Upper

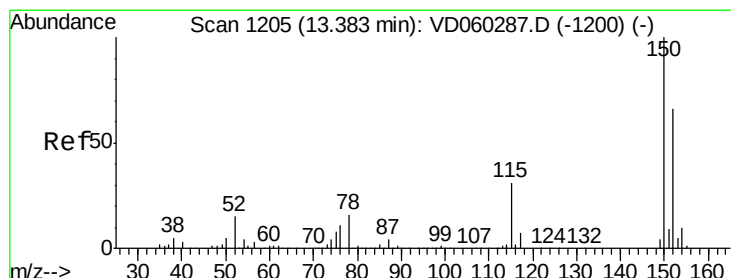
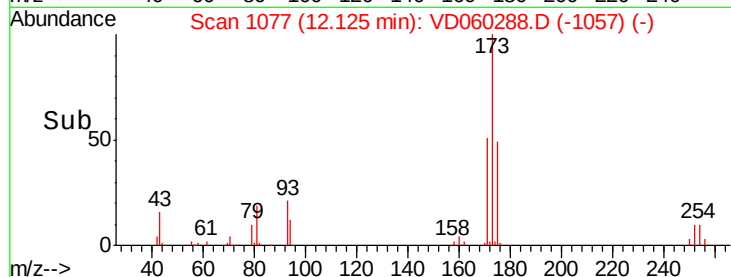
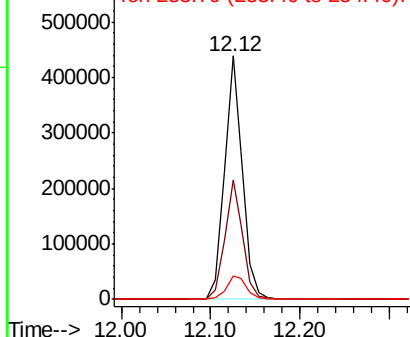
173 100

175 48.9 24.3 73.0

254 9.9 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# 1205

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

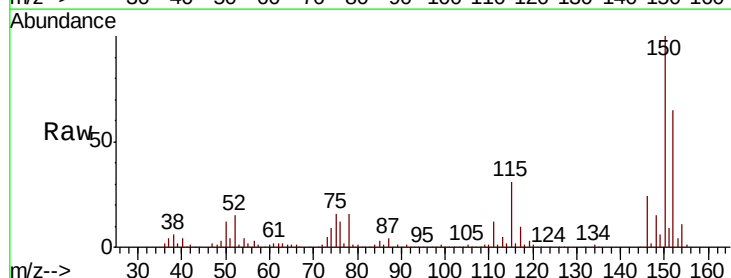
Tgt Ion:152 Resp: 887219

Ion Ratio Lower Upper

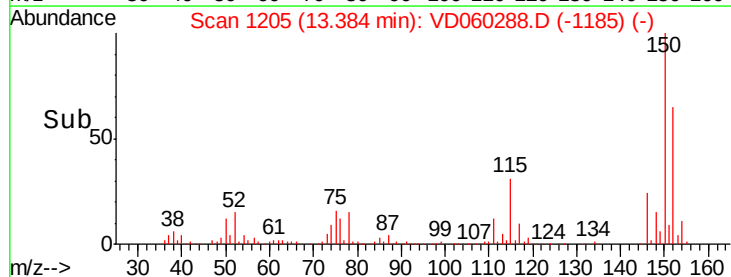
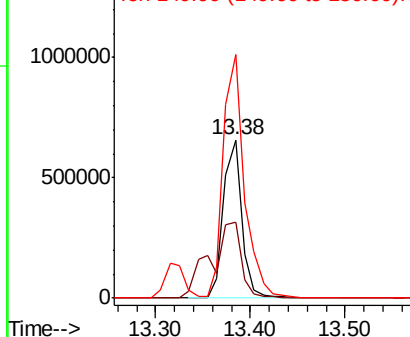
152 100

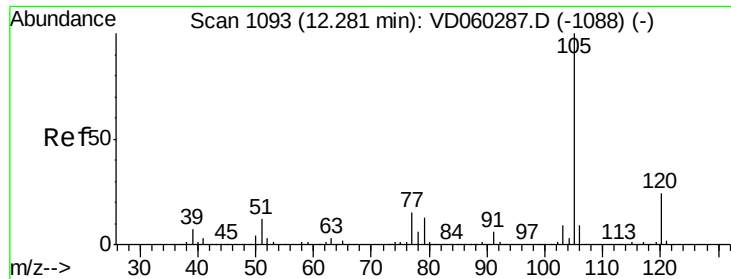
115 47.7 24.1 72.3

150 154.0 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: 68.928 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

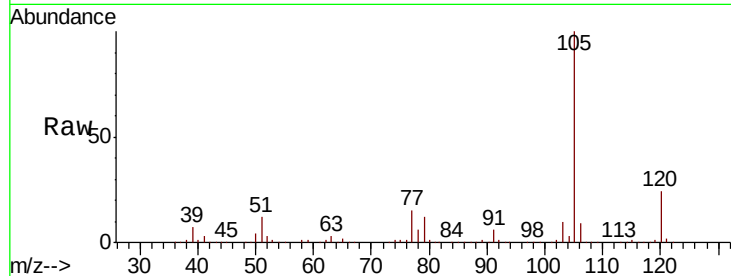
VSTDIC075

Tot Ion:105 Resp: 4312732

Ion Ratio Lower Upper

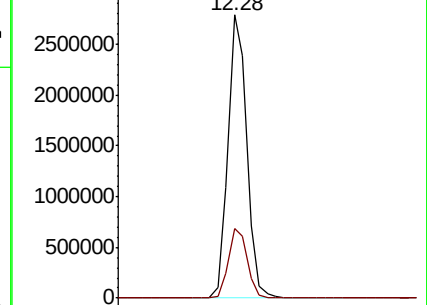
105 100

120 24.4 12.1 36.3

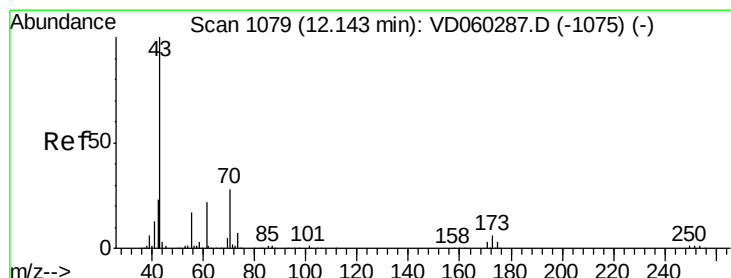
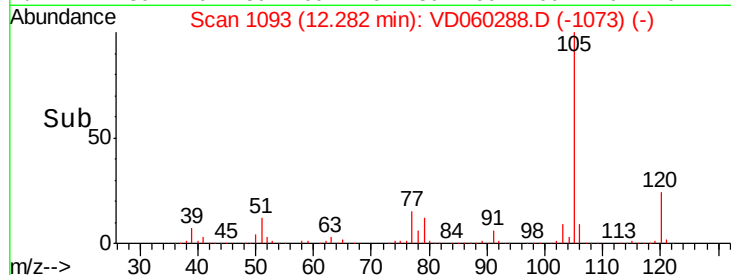


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 74.212 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Tgt Ion: 43 Resp: 1178610

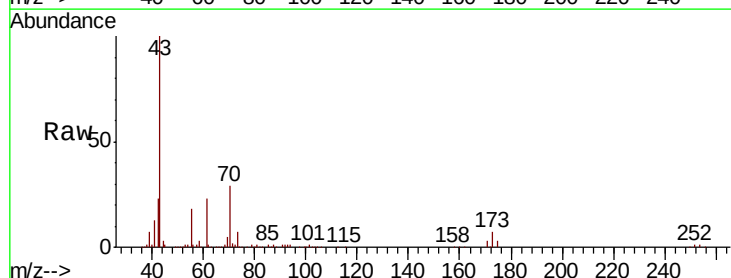
Ion Ratio Lower Upper

43 100

70 29.2 23.0 34.4

55 17.5 14.2 21.4

61 23.4 17.8 26.8

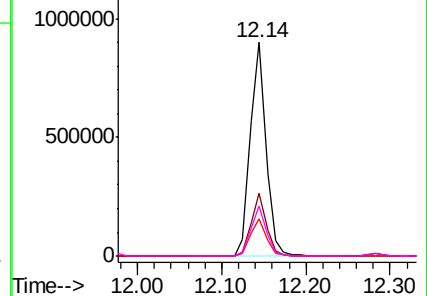


Abundance Ion 42.95 (42.65 to 43.65): VDC

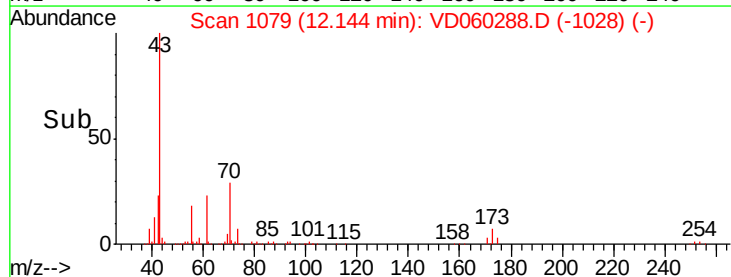
Ion 70.00 (69.70 to 70.70): VDC

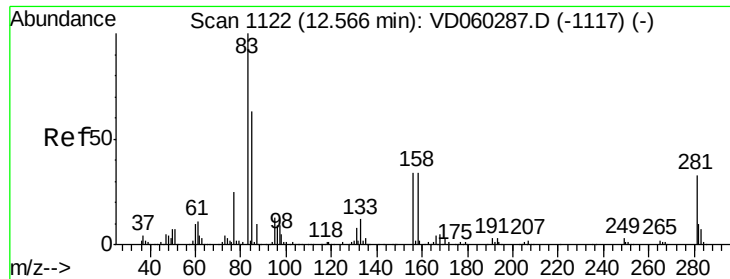
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 71.833 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

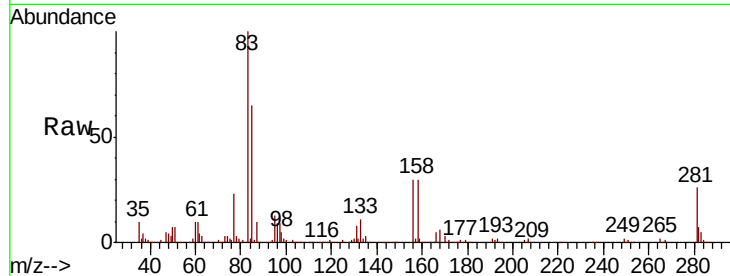
Tot Ion: 83 Resp: 725364

Ion Ratio Lower Upper

83 100

131 8.2 3.9 11.5

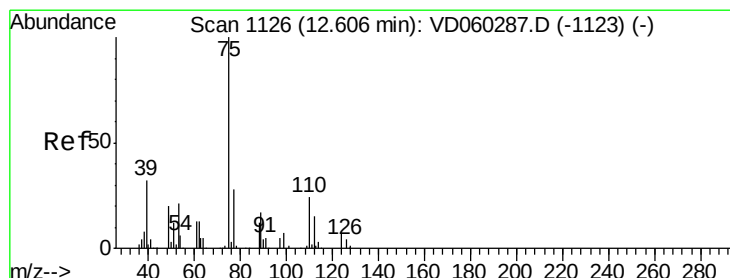
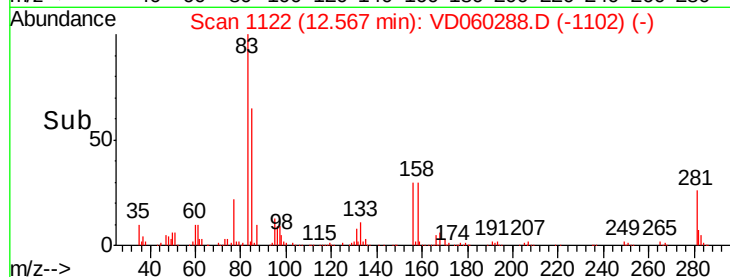
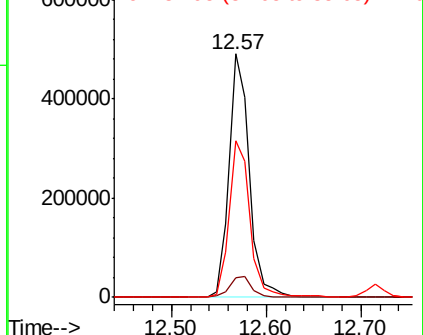
85 64.6 32.0 96.0



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: 72.459 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060288.D

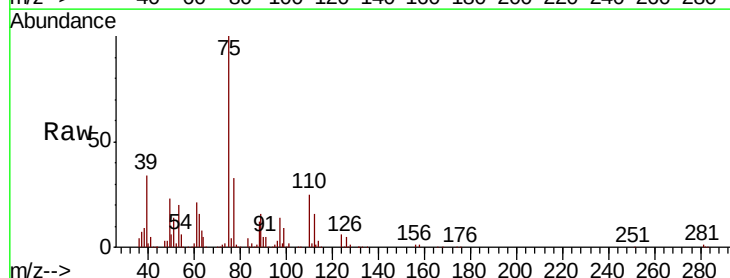
Acq: 6 Nov 2018 13:00

Tgt Ion: 75 Resp: 729856

Ion Ratio Lower Upper

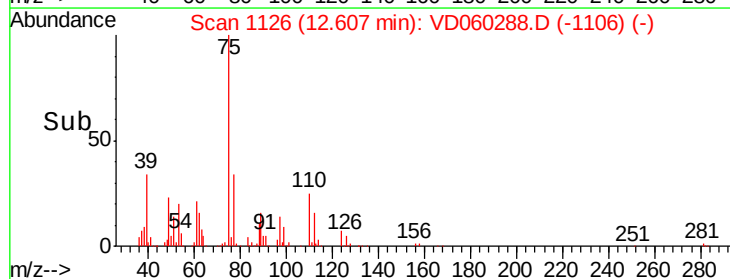
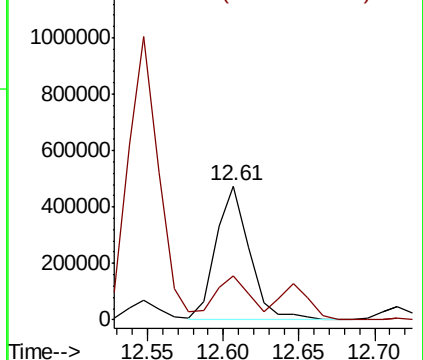
75 100

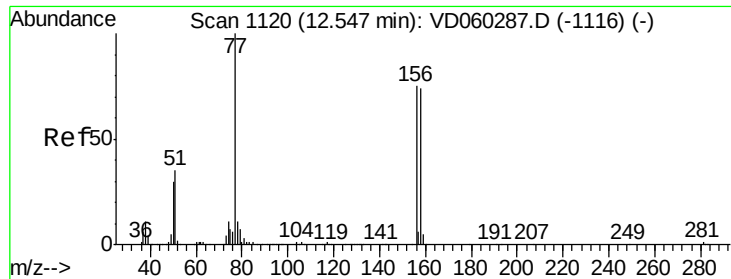
77 33.2 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 70.142 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

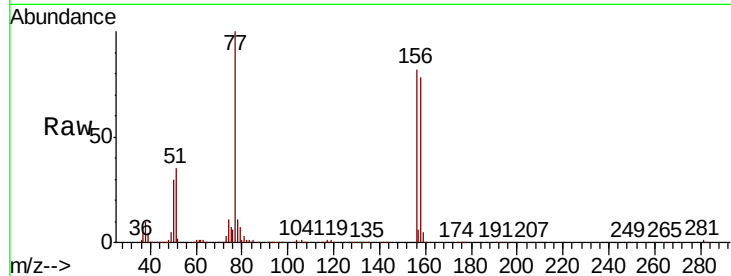
Tot Ion:156 Resp: 1172175

Ion Ratio Lower Upper

156 100

77 121.2 61.2 183.6

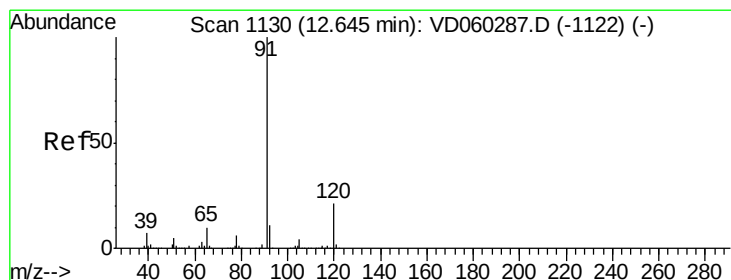
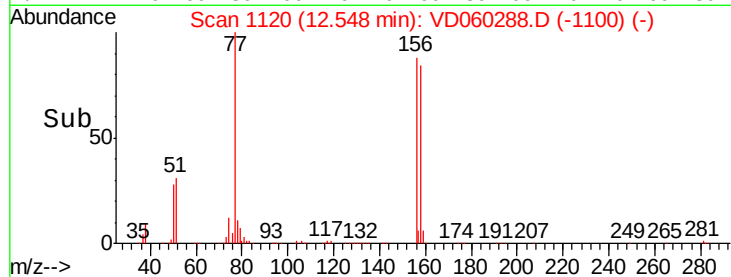
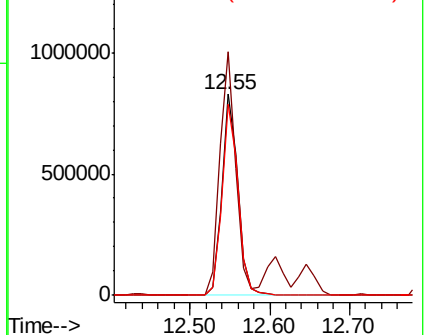
158 95.1 49.2 147.6



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: 64.173 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060288.D

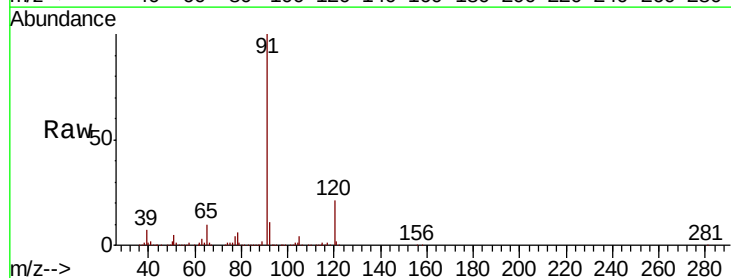
Acq: 6 Nov 2018 13:00

Tgt Ion: 91 Resp: 5048086

Ion Ratio Lower Upper

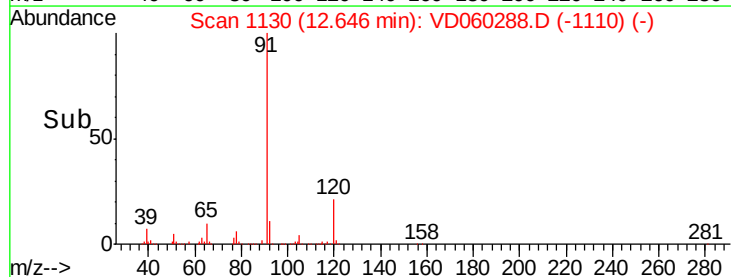
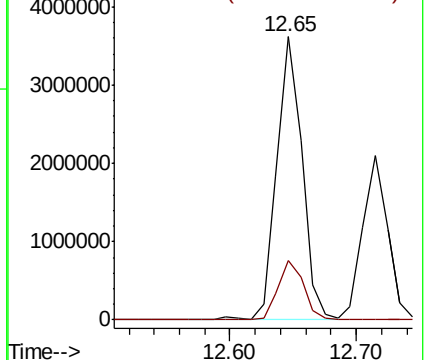
91 100

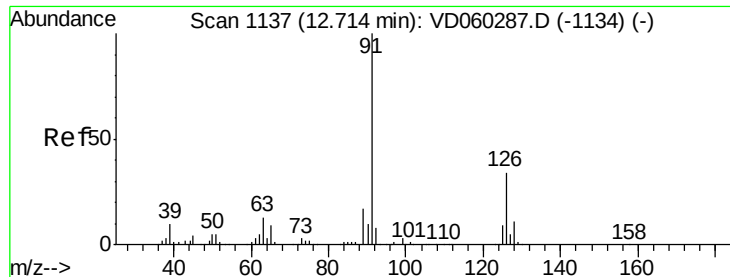
120 21.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 66.051 ug/l

RT: 12.72 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

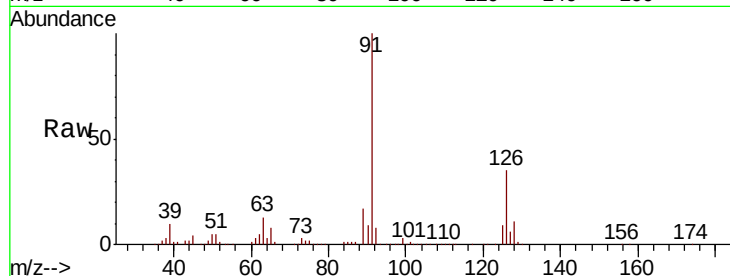
VSTDIC075

Tot Ion: 91 Resp: 2867264

Ion Ratio Lower Upper

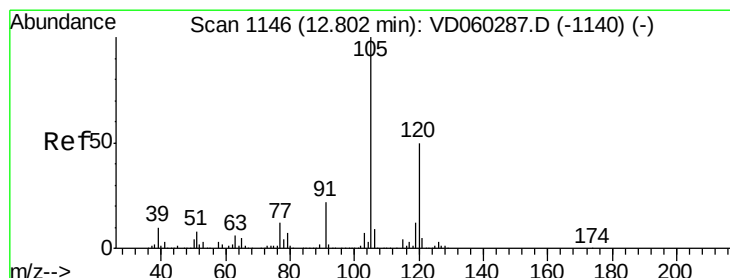
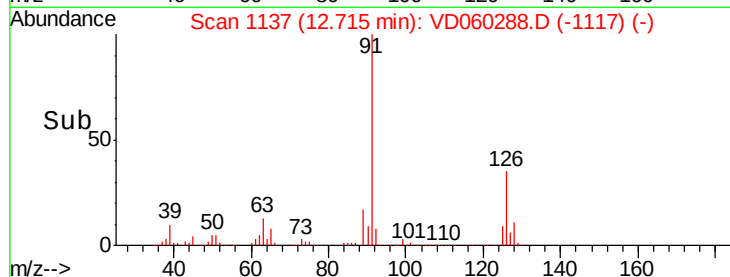
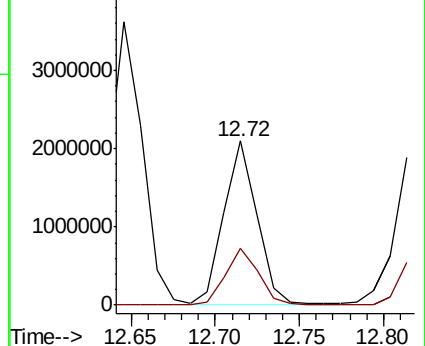
91 100

126 34.8 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 66.407 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060288.D

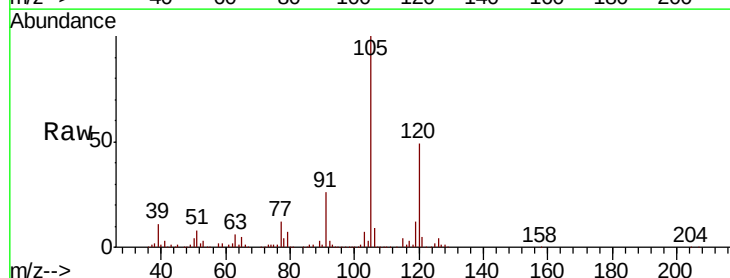
Acq: 6 Nov 2018 13:00

Tgt Ion: 105 Resp: 3228947

Ion Ratio Lower Upper

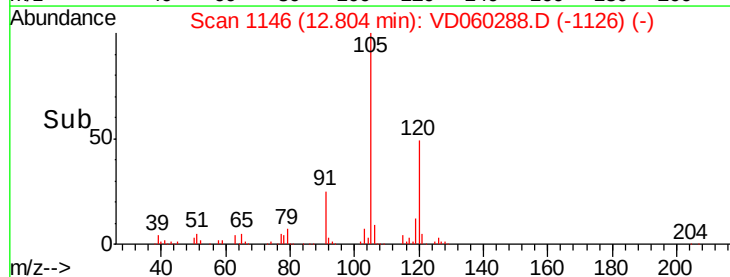
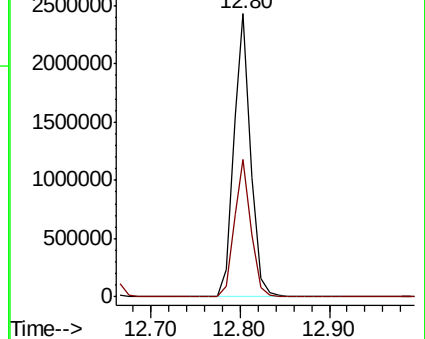
105 100

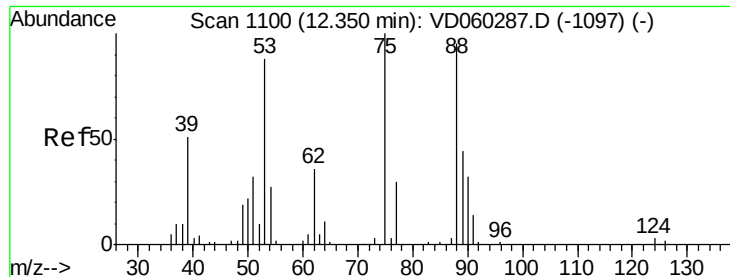
120 48.7 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 83.599 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

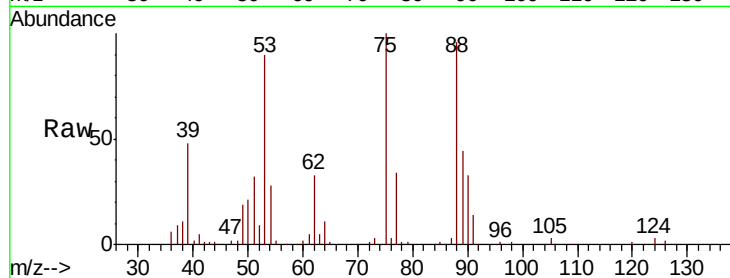
Tot Ion: 75 Resp: 227284

Ion Ratio Lower Upper

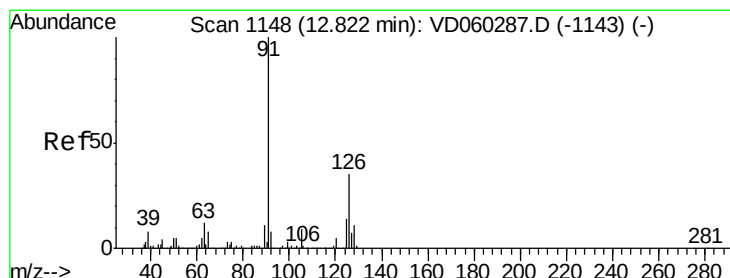
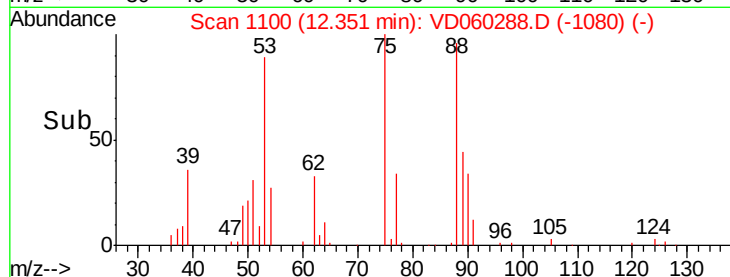
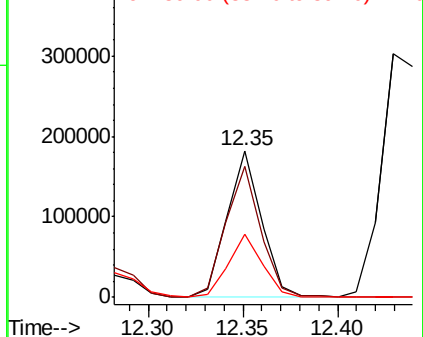
75 100

53 89.9 68.6 103.0

89 43.6 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: 65.946 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060288.D

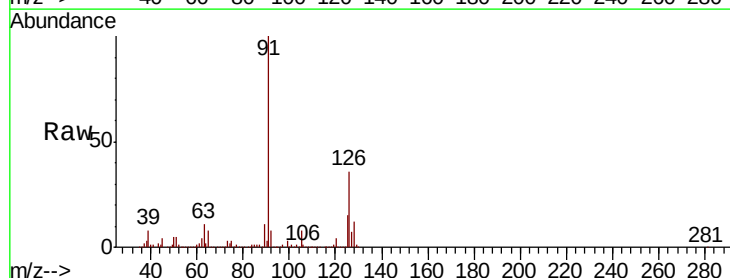
Acq: 6 Nov 2018 13:00

Tgt Ion: 91 Resp: 3193994

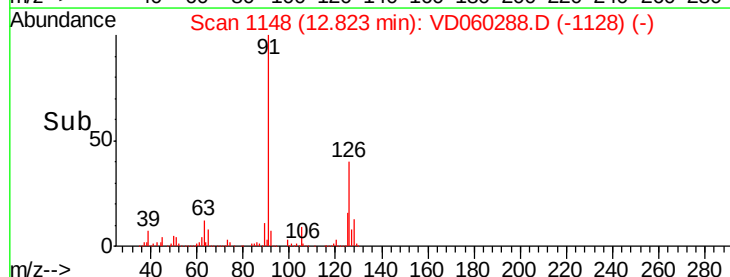
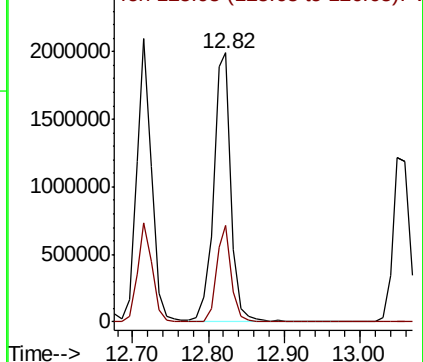
Ion Ratio Lower Upper

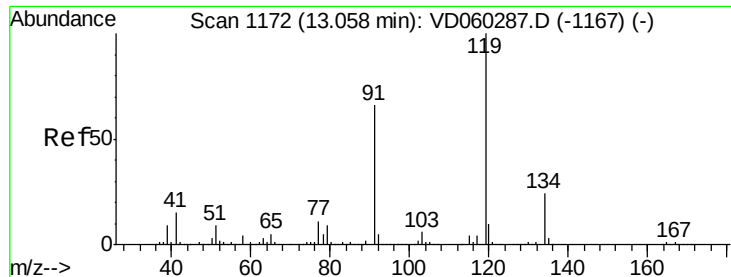
91 100

126 35.9 14.8 44.4



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

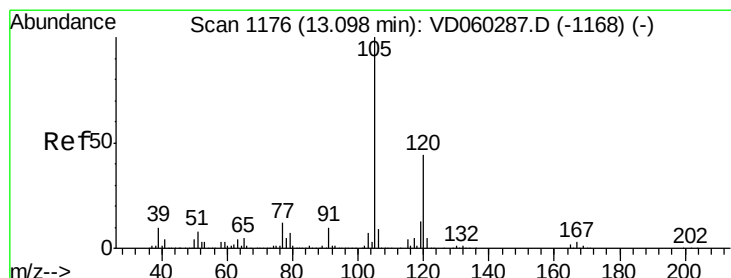
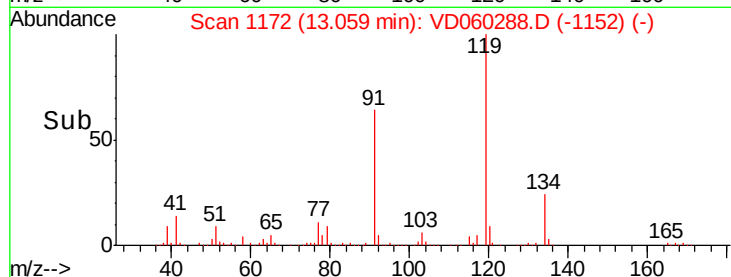
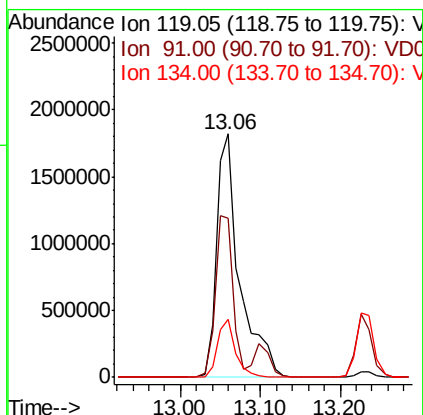
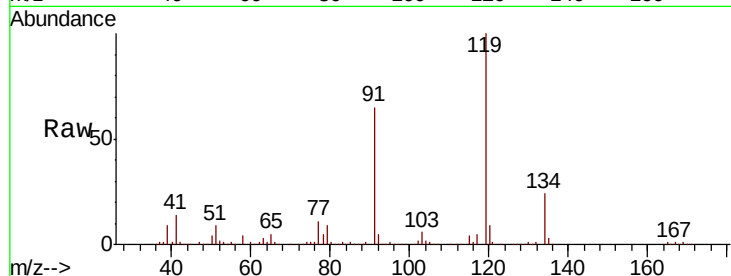




#83
 tert-Butylbenzene
 Concen: 68.259 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

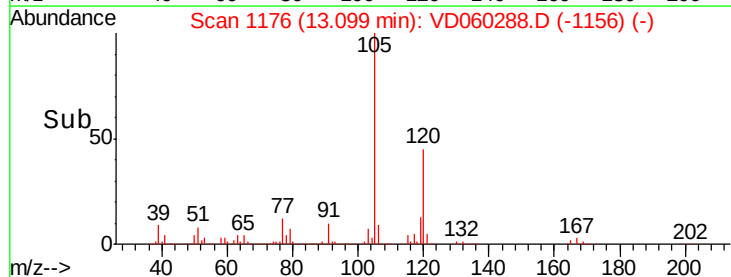
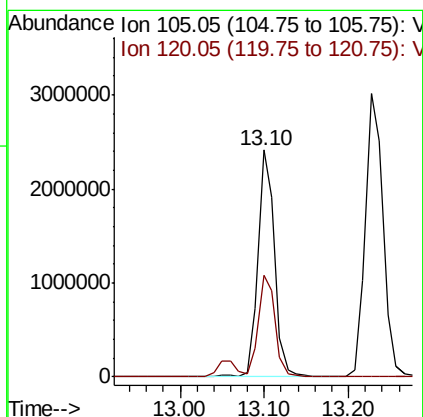
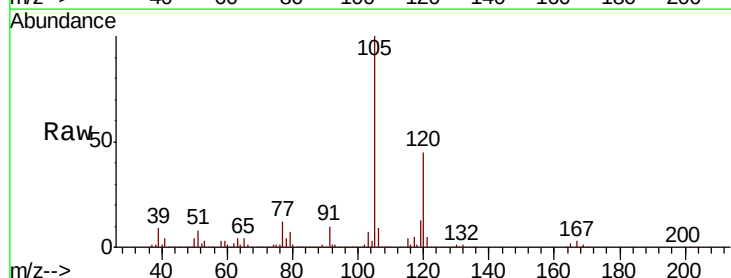
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

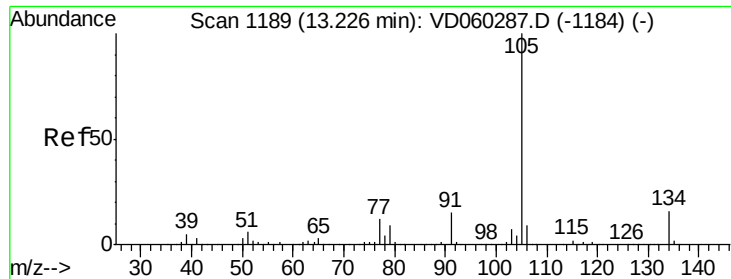
Tot Ion:119 Resp: 3689588
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.7 98.1
 134 23.7 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 67.903 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion:105 Resp: 3350626
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.8





#85

sec-Butylbenzene

Concen: 66.538 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

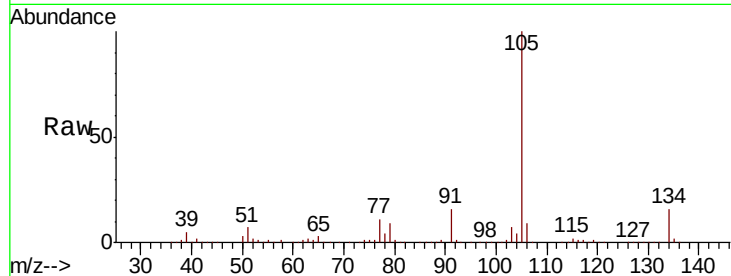
VSTDIC075

Tot Ion:105 Resp: 4387125

Ion Ratio Lower Upper

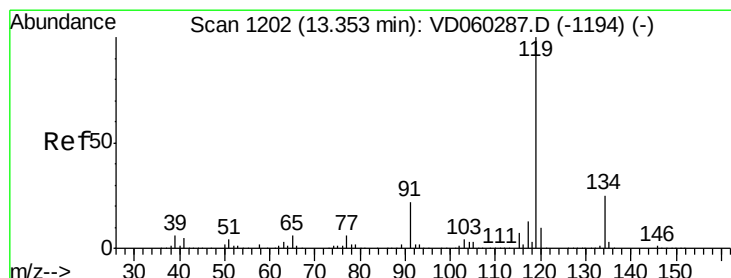
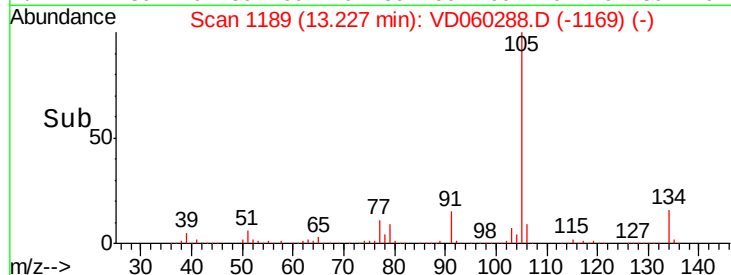
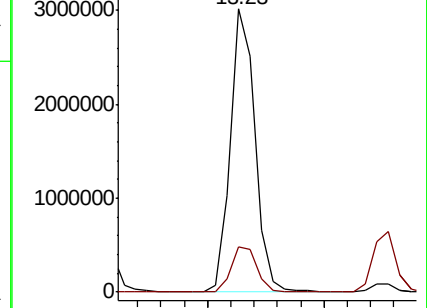
105 100

134 16.1 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 69.632 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

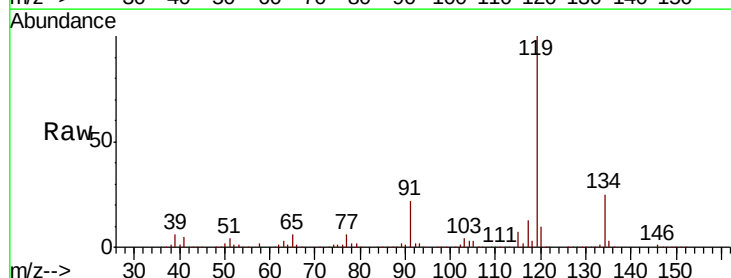
Tgt Ion:119 Resp: 3648896

Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.6

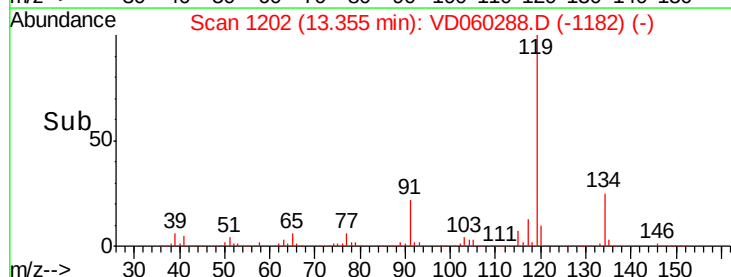
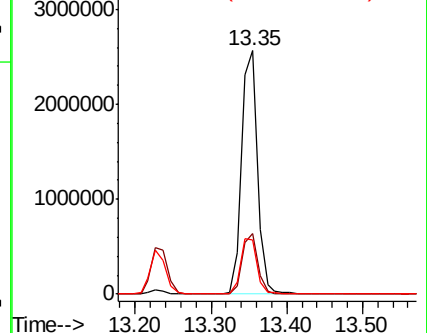
91 22.1 11.3 33.8

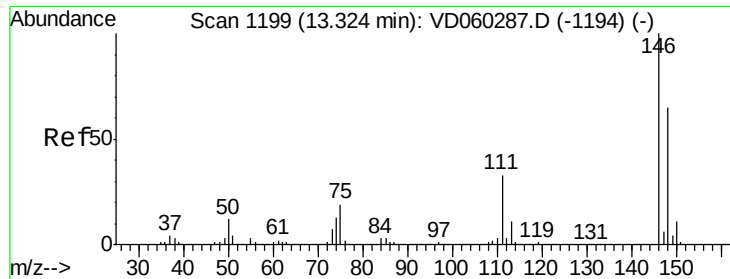


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

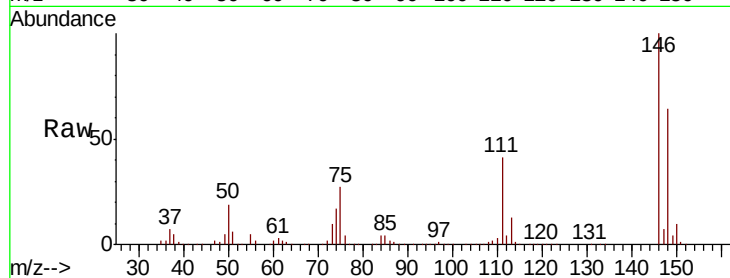




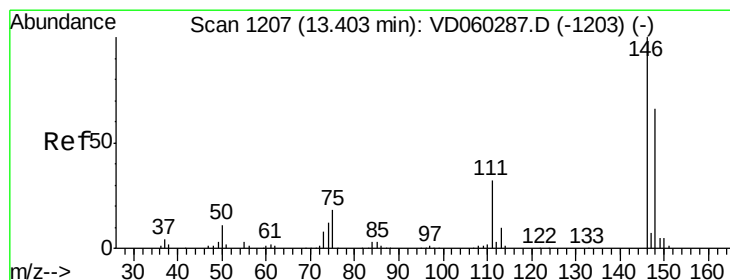
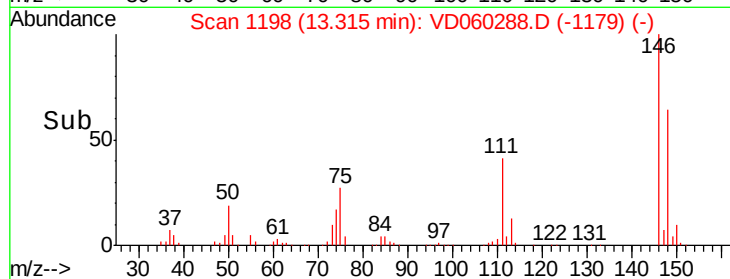
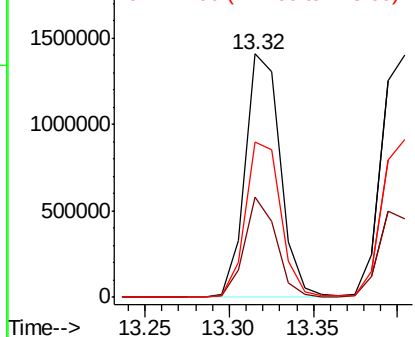
#87
 1,3-Dichlorobenzene
 Concen: 68.511 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 2043756
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.2 60.5
 148 64.0 32.0 96.0

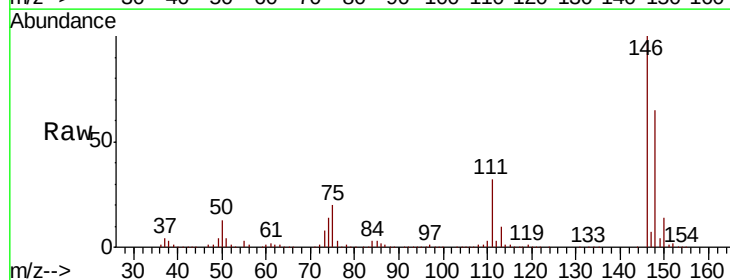


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

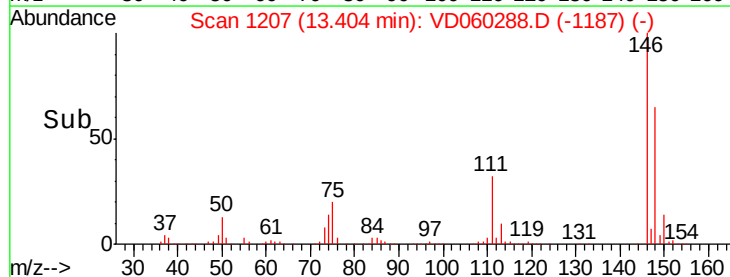
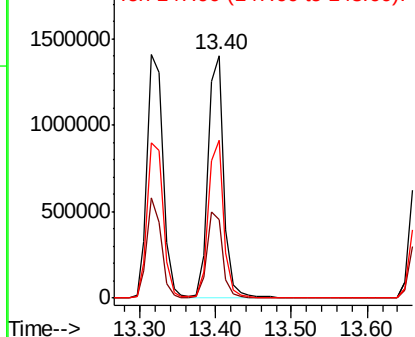


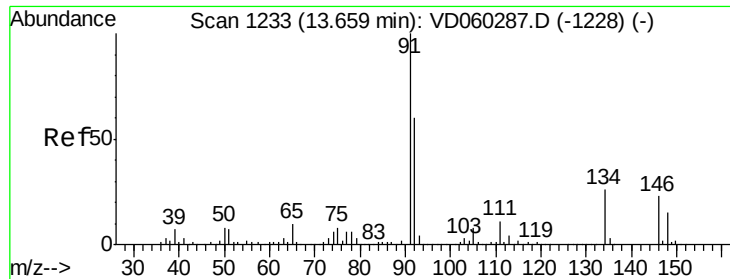
#88
 1,4-Dichlorobenzene
 Concen: 70.603 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion:146 Resp: 2054030
 Ion Ratio Lower Upper
 146 100
 111 32.1 16.0 47.9
 148 65.2 32.9 98.7



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

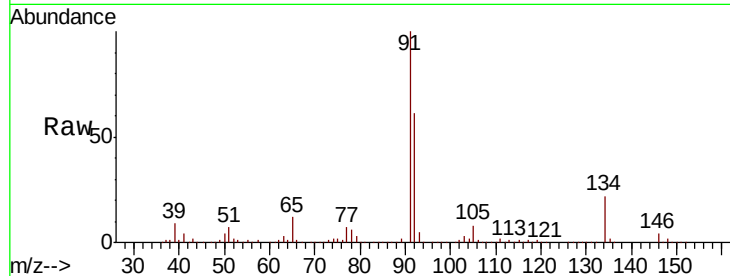




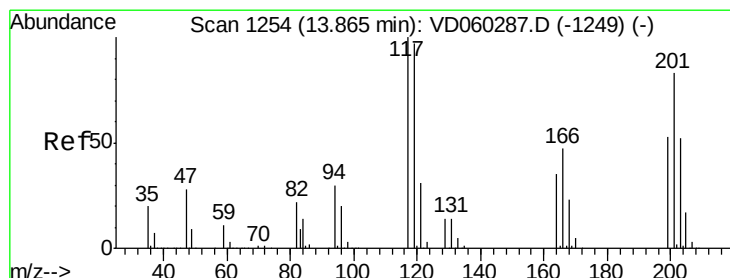
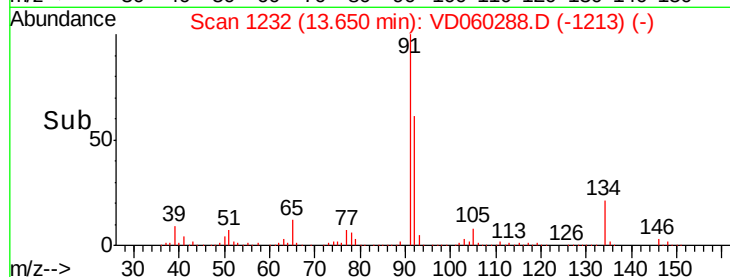
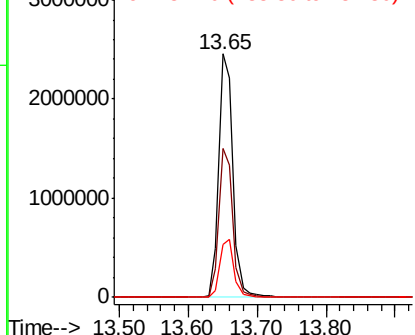
#89
n-Butylbenzene
Concen: 65.058 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 3491235
Ion Ratio Lower Upper
91 100
92 61.2 30.3 90.9
134 21.5 13.0 38.9

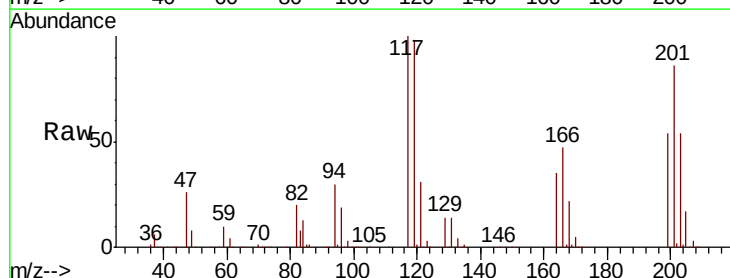


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

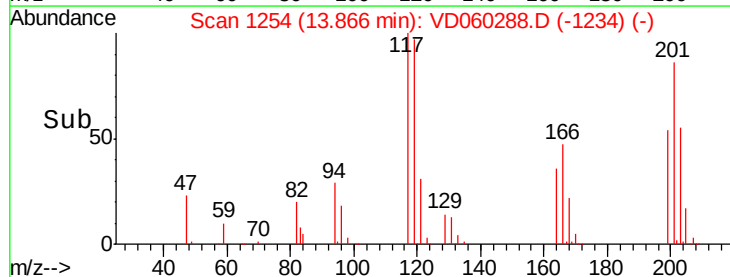
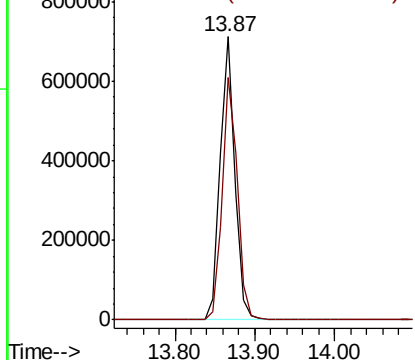


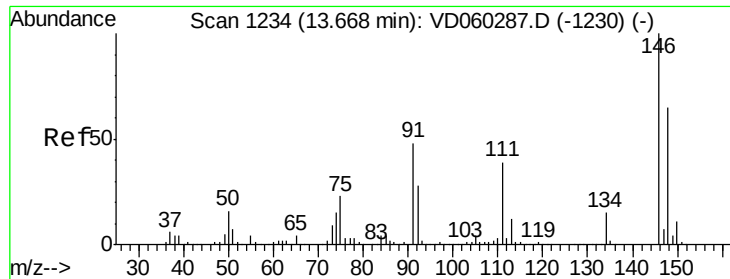
#90
Hexachloroethane
Concen: 73.303 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060288.D
Acq: 6 Nov 2018 13:00

Tgt Ion: 117 Resp: 935303
Ion Ratio Lower Upper
117 100
201 85.5 40.1 120.3



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



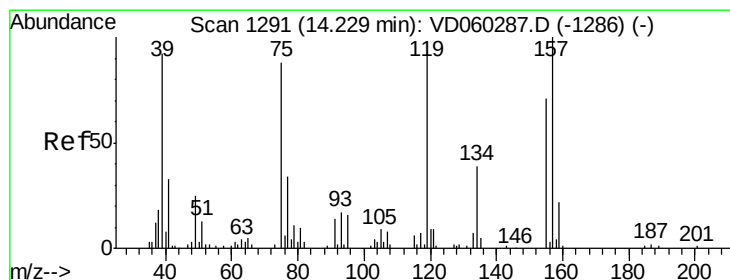
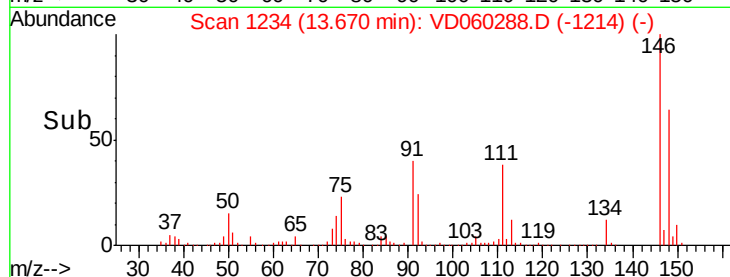
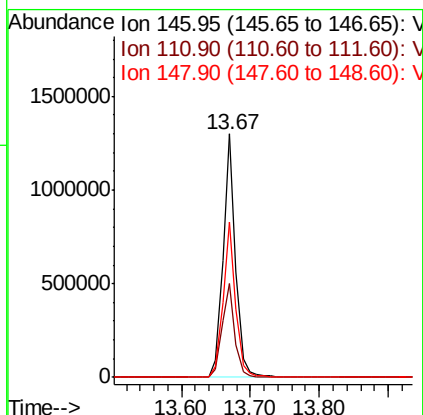
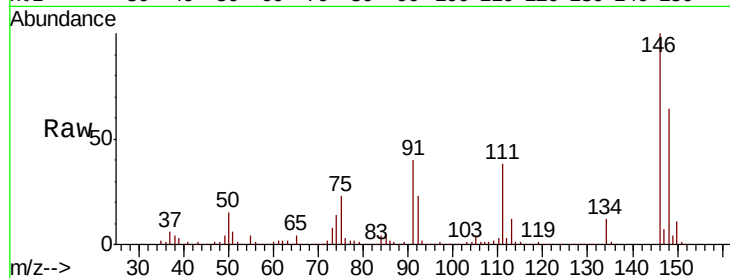


#91
 1,2-Dichlorobenzene
 Concen: 66.483 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1617573

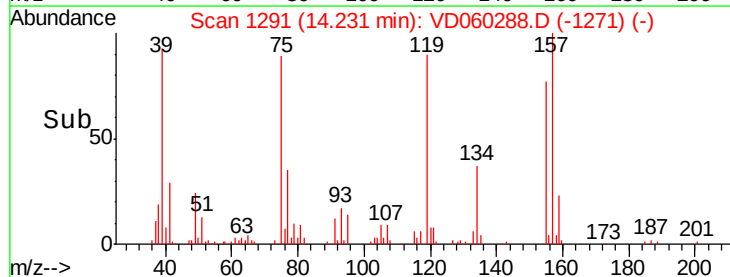
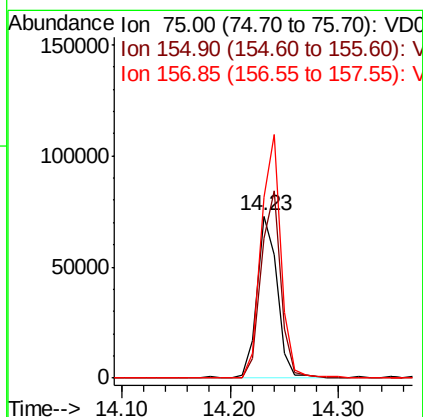
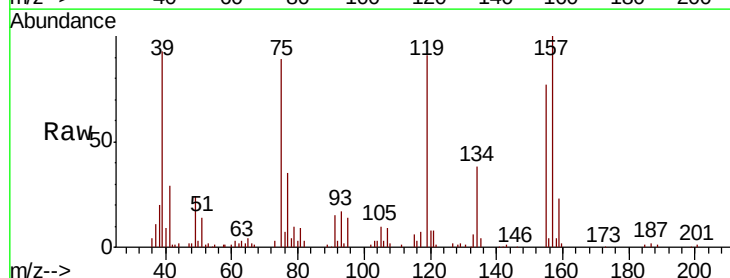
Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.7	31.6	94.8

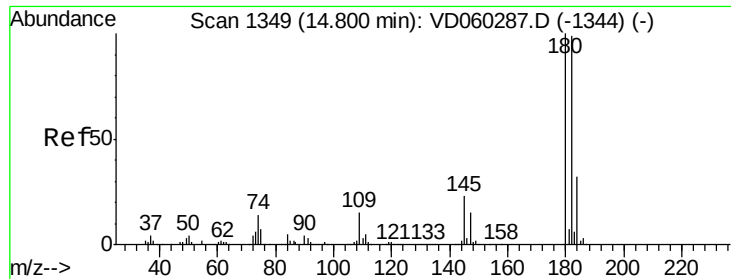


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.496 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion: 75 Resp: 96008

Ion	Ratio	Lower	Upper
75	100		
155	86.5	64.3	192.9
157	111.8	81.0	243.1

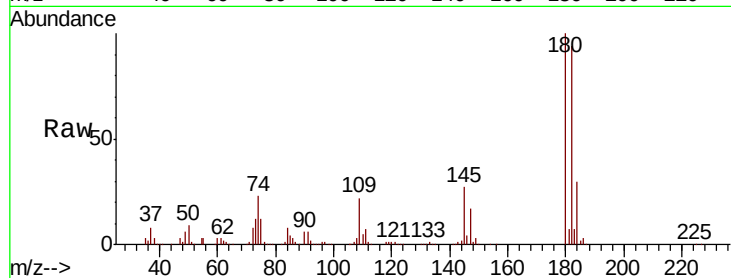




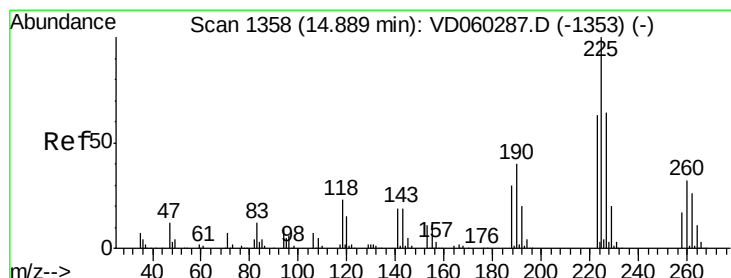
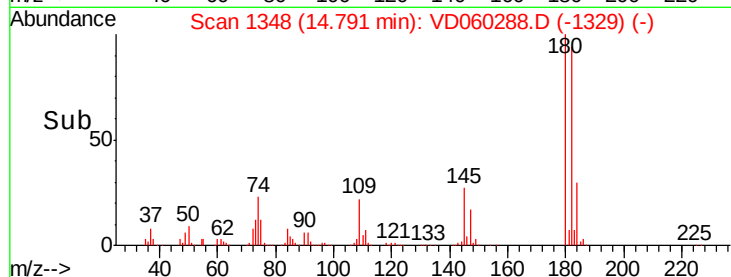
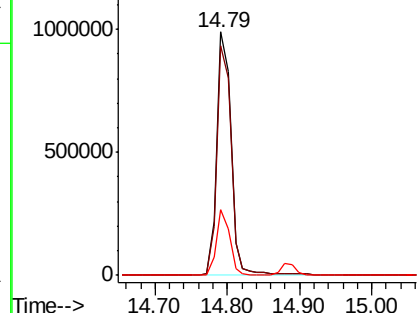
#93
 1,2,4-Trichlorobenzene
 Concen: 71.920 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 1357463
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.1 144.4
 145 27.0 11.5 34.4

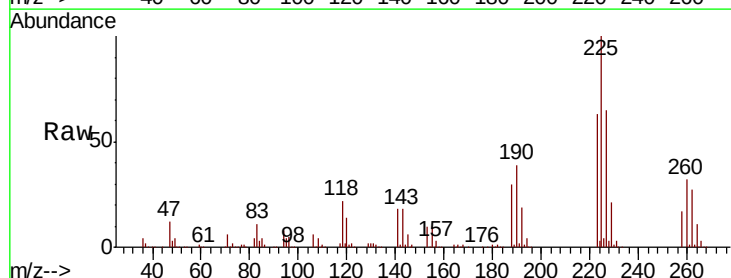


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

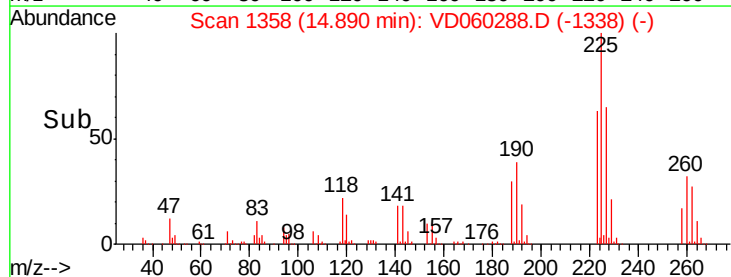
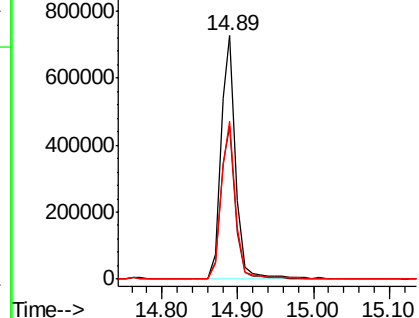


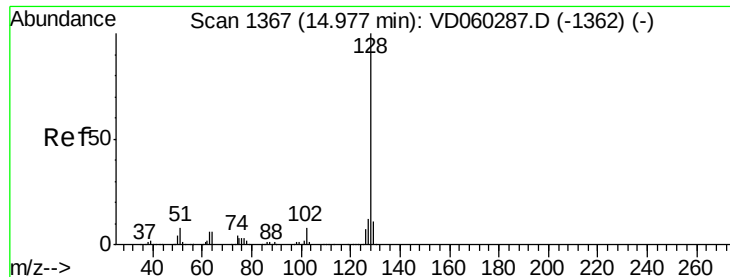
#94
 Hexachlorobutadiene
 Concen: 71.904 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060288.D
 Acq: 6 Nov 2018 13:00

Tgt Ion:225 Resp: 1002322
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.8
 227 64.7 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: 75.167 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

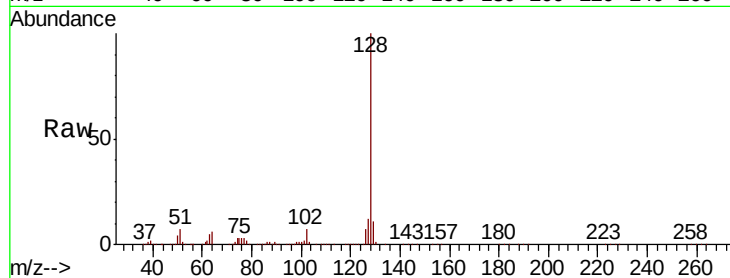
Tot Ion:128 Resp: 1764999

Ion Ratio Lower Upper

128 100

127 12.2 9.6 14.4

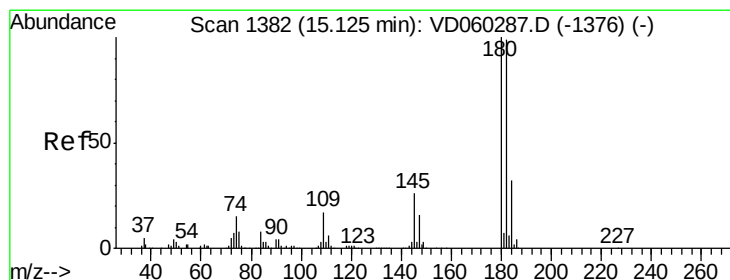
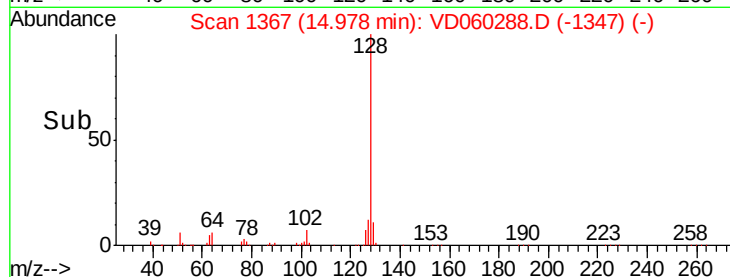
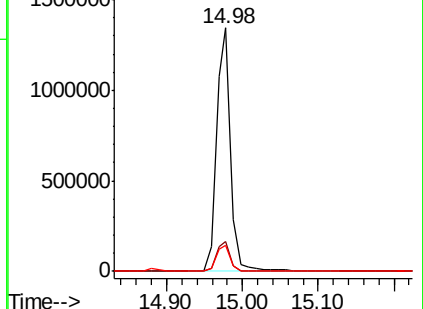
129 10.7 8.6 12.8



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: 72.658 ug/l

RT: 15.13 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VD060288.D

Acq: 6 Nov 2018 13:00

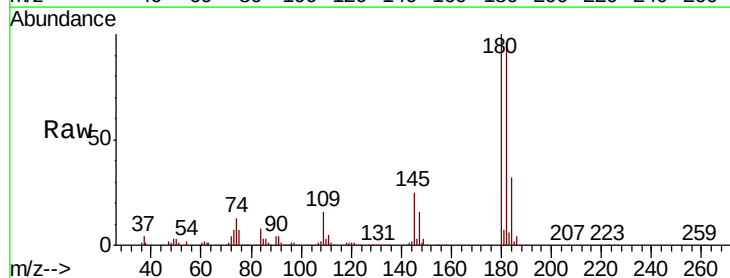
Tgt Ion:180 Resp: 1107246

Ion Ratio Lower Upper

180 100

182 96.5 48.9 146.7

145 24.7 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

