

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060285.D
 Acq On : 6 Nov 2018 11:35
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Nov 06 13:47:35 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	1587535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2246602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1772109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	882069	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.80	65	126468	11.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.54%	
35) Dibromofluoromethane	6.34	113	180086	10.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.78%	
50) Toluene-d8	9.47	98	529867	11.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.12%	
62) 4-Bromofluorobenzene	12.44	95	194356	11.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	173932	12.581	ug/l	97
3) Chloromethane	1.77	50	171458	11.928	ug/l	100
4) Vinyl Chloride	1.86	62	138355	11.449	ug/l	99
5) Bromomethane	2.16	94	38188	11.507	ug/l	100
6) Chloroethane	2.27	64	48625	11.185	ug/l	98
7) Trichlorofluoromethane	2.53	101	163974	10.901	ug/l	96
8) Diethyl Ether	2.83	74	28078	9.862	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.11	101	105918	10.947	ug/l	95
10) Methyl Iodide	3.27	142	131208	13.988	ug/l	99
11) Tert butyl alcohol	3.98	59	24373	50.195	ug/l #	89
12) 1,1-Dichloroethene	3.09	96	86084	10.765	ug/l	99
13) Acrolein	3.00	56	29757	49.418	ug/l	99
14) Allyl chloride	3.55	41	163664	10.770	ug/l	98
15) Acrylonitrile	4.10	53	149200	56.045	ug/l	98
16) Acetone	3.18	43	113962	55.341	ug/l	100
17) Carbon Disulfide	3.33	76	279275	10.762	ug/l	98
18) Methyl Acetate	3.57	43	41572	9.865	ug/l	100
19) Methyl tert-butyl Ether	4.14	73	252447	11.218	ug/l	99
20) Methylene Chloride	3.74	84	199455	10.187	ug/l	95
21) trans-1,2-Dichloroethene	4.12	96	188505	11.061	ug/l	98
22) Diisopropyl ether	4.87	45	609759	11.023	ug/l	97
23) Vinyl Acetate	4.82	43	1527706	55.445	ug/l	98
24) 1,1-Dichloroethane	4.77	63	311465	11.155	ug/l	100
25) 2-Butanone	5.64	43	228541	58.422	ug/l	98
26) 2,2-Dichloropropane	5.61	77	247310	11.281	ug/l	100
27) cis-1,2-Dichloroethene	5.61	96	196085	11.072	ug/l	92
28) Bromochloromethane	5.94	49	134888	10.860	ug/l	100
29) Tetrahydrofuran	5.97	42	117443	57.106	ug/l	97
30) Chloroform	6.12	83	310625	11.022	ug/l	98
31) Cyclohexane	6.38	56	310902	11.801	ug/l	98
32) 1,1,1-Trichloroethane	6.31	97	260175	11.198	ug/l	97
36) 1,1-Dichloropropene	6.54	75	245963	11.325	ug/l	98
37) Ethyl Acetate	5.72	43	109615	11.308	ug/l	99
38) Carbon Tetrachloride	6.52	117	221571	11.194	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	278128	11.389	ug/l	97
40) Benzene	6.81	78	612062	10.922	ug/l	99
41) Methacrylonitrile	5.96	41	126374	19.733	ug/l	96
42) 1,2-Dichloroethane	6.92	62	158906	10.939	ug/l	100
43) Isopropyl Acetate	8.36	43	135102	10.798	ug/l #	97
44) Trichloroethene	7.76	130	178729	10.436	ug/l	99
45) 1,2-Dichloropropane	8.12	63	149333	10.683	ug/l	95
46) Dibromomethane	8.23	93	89160	11.124	ug/l	99
47) Bromodichloromethane	8.51	83	206930	10.726	ug/l	94
48) Methyl methacrylate	8.26	41	82877	11.055	ug/l	98
49) 1,4-Dioxane	8.24	88	14441	215.170	ug/l #	75
51) 4-Methyl-2-Pentanone	9.36	43	456469	57.804	ug/l	98
52) Toluene	9.56	92	392119	11.058	ug/l	99
53) t-1,3-Dichloropropene	9.94	75	171044	10.687	ug/l	97
54) cis-1,3-Dichloropropene	9.12	75	229515	10.990	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	115515	11.644	ug/l	96
56) Ethyl methacrylate	10.05	69	98230	10.416	ug/l	99
57) 1,3-Dichloropropane	10.40	76	168847	11.138	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.94	63	303053	54.355	ug/l	99
59) 2-Hexanone	10.50	43	330467	56.820	ug/l	98
60) Dibromochloromethane	10.66	129	129718	10.315	ug/l	93
61) 1,2-Dibromoethane	10.77	107	111453	11.073	ug/l	98
64) Tetrachloroethene	10.27	164	169940	10.944	ug/l	97
65) Chlorobenzene	11.32	112	408205	10.750	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.43	131	136969	10.932	ug/l	99
67) Ethyl Benzene	11.44	91	740909	11.427	ug/l	98
68) m/p-Xylenes	11.58	106	547692	22.884	ug/l	97
69) o-Xylene	11.94	106	257232	11.062	ug/l	98
70) Styrene	11.96	104	416967	11.135	ug/l	96
71) Bromoform	12.13	173	84190	10.484	ug/l	93
73) Isopropylbenzene	12.29	105	726836	11.684	ug/l	99
74) N-amyl acetate	12.14	43	173791	11.007	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.57	83	111738	11.130	ug/l	95
76) 1,2,3-Trichloropropane	12.60	75	117443	11.728	ug/l	99
77) Bromobenzene	12.55	156	179739	10.818	ug/l	94
78) n-propylbenzene	12.65	91	929534	11.886	ug/l	99
79) 2-Chlorotoluene	12.71	91	499909	11.583	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	568398	11.758	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.36	75	29600	10.951	ug/l	96
82) 4-Chlorotoluene	12.82	91	570706	11.852	ug/l	96
83) tert-Butylbenzene	13.06	119	619668	11.531	ug/l	95
84) 1,2,4-Trimethylbenzene	13.11	105	529998	10.804	ug/l	99
85) sec-Butylbenzene	13.23	105	760111	11.596	ug/l	97
86) p-Isopropyltoluene	13.35	119	631234	12.116	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	337719	11.387	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	326278	11.281	ug/l	97
89) n-Butylbenzene	13.66	91	661211	12.393	ug/l	96
90) Hexachloroethane	13.87	117	138376	10.908	ug/l	80
91) 1,2-Dichlorobenzene	13.67	146	293265	12.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	13830	11.229	ug/l	72

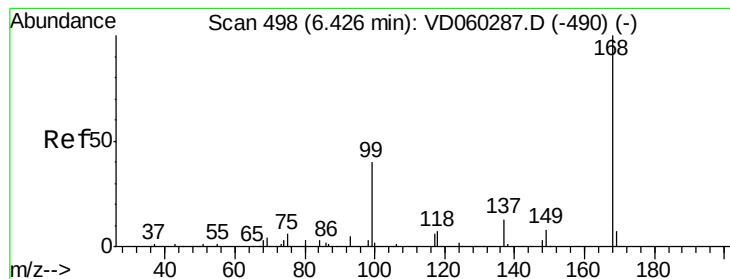
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110618\
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:45:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	213236	11.363	ug/l	97
94) Hexachlorobutadiene	14.89	225	162277	11.709	ug/l	99
95) Naphthalene	14.98	128	248381	10.640	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	169453	11.185	ug/l	96

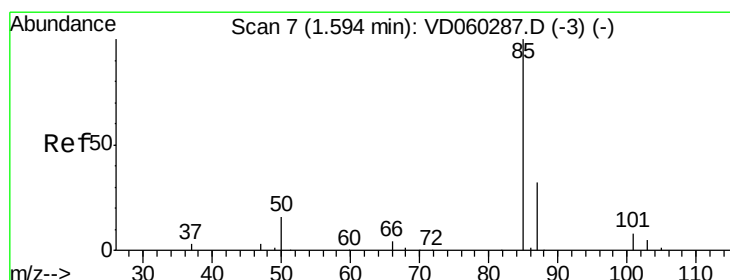
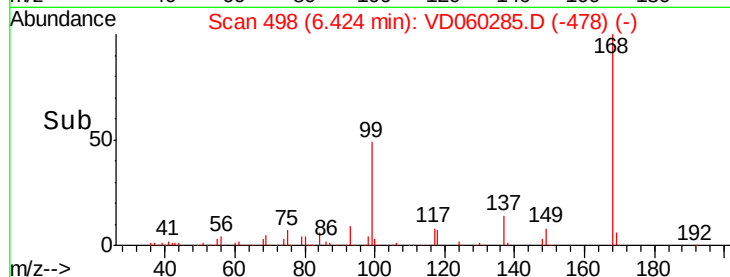
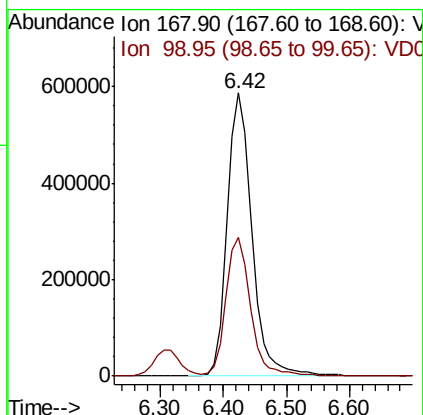
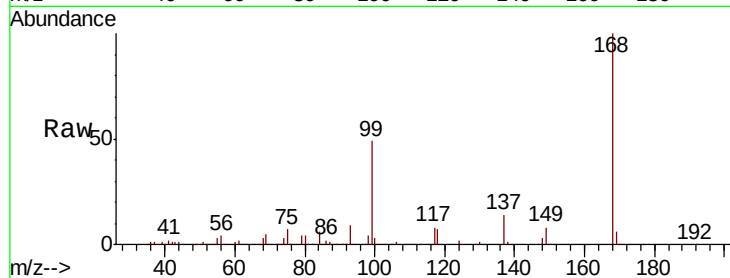
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

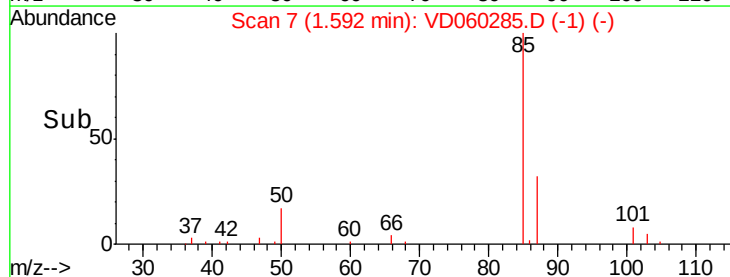
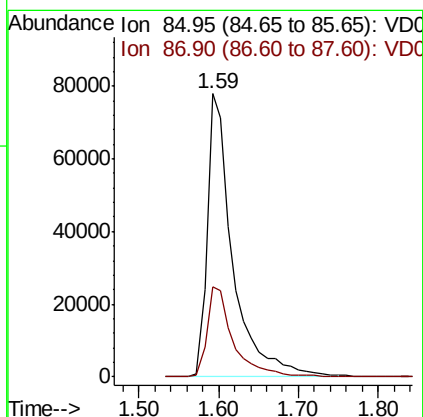
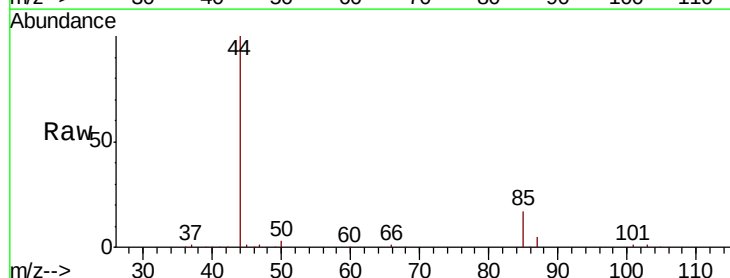
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

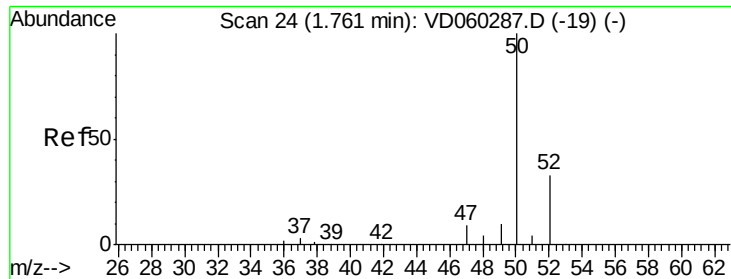
Tot Ion:168 Resp: 1587535
Ion Ratio Lower Upper
168 100
99 49.0 39.8 59.8



#2
Dichlorodifluoromethane
Concen: 12.581 ug/l
RT: 1.59 min Scan# 7
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 85 Resp: 173932
Ion Ratio Lower Upper
85 100
87 31.9 16.8 50.4





#3

Chloromethane

Concen: 11.928 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

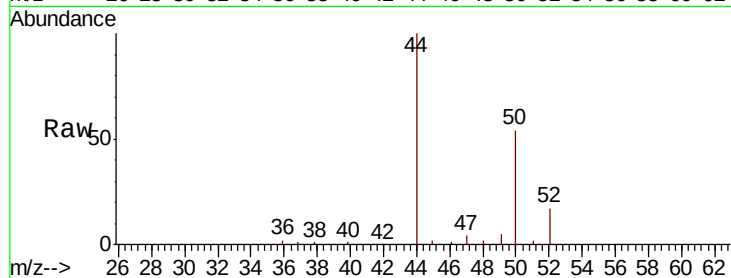
VSTDIC010

Tot Ion: 50 Resp: 171458

Ion Ratio Lower Upper

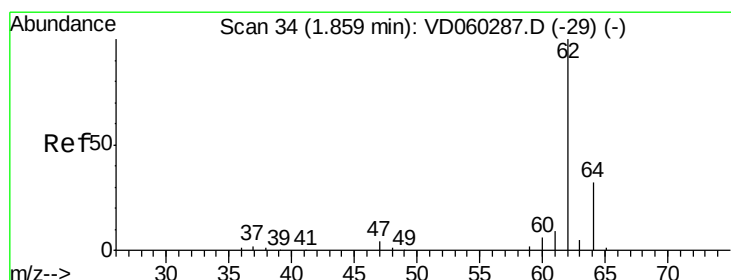
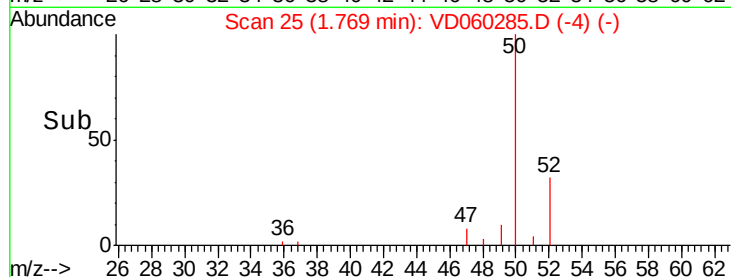
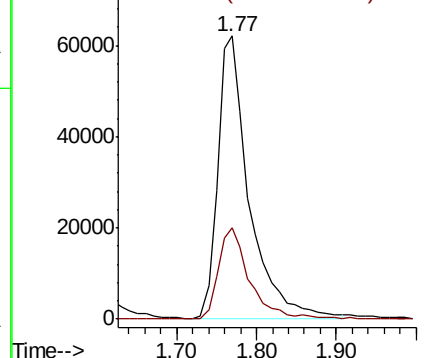
50 100

52 32.3 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: 11.449 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060285.D

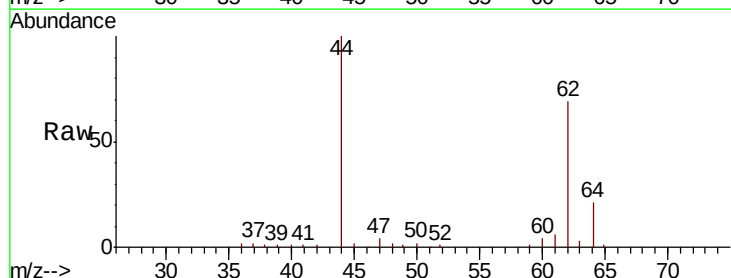
Acq: 6 Nov 2018 11:35

Tgt Ion: 62 Resp: 138355

Ion Ratio Lower Upper

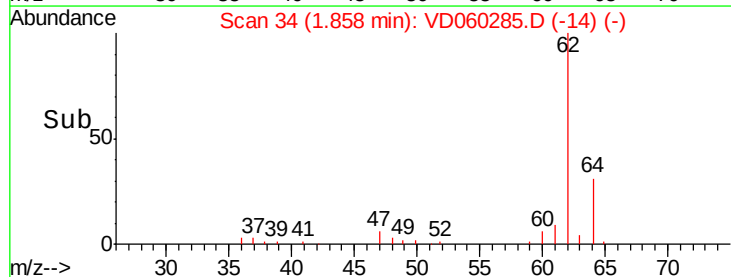
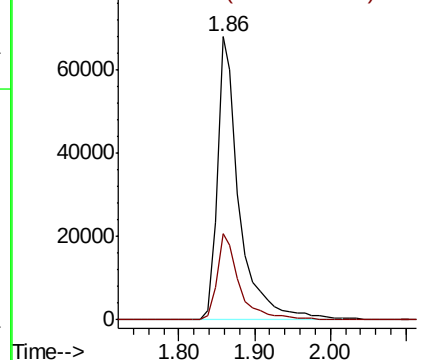
62 100

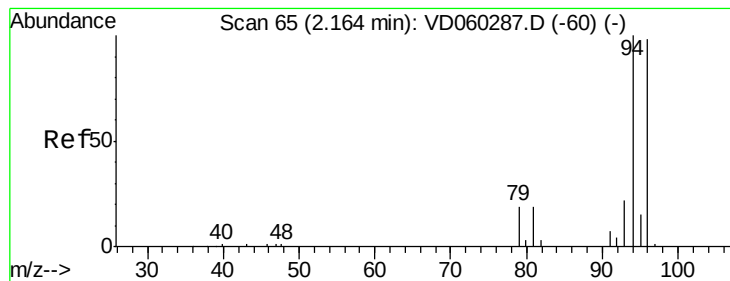
64 30.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.507 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

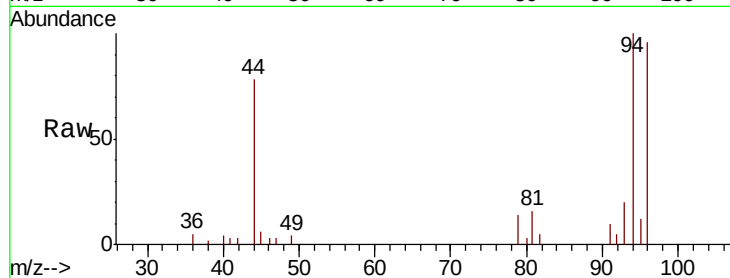
VSTDIC010

Tot Ion: 94 Resp: 38188

Ion Ratio Lower Upper

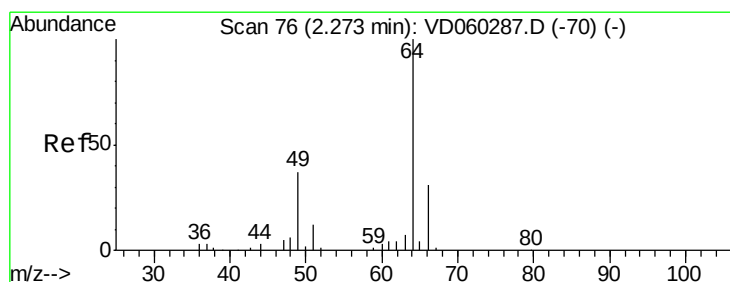
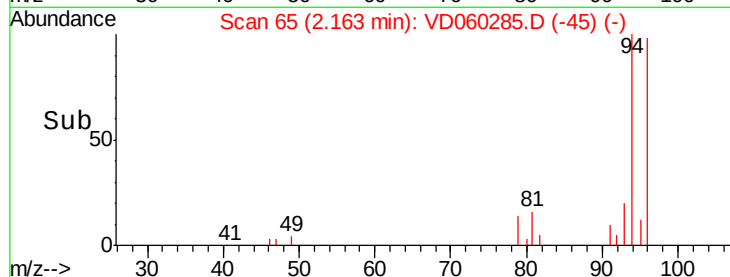
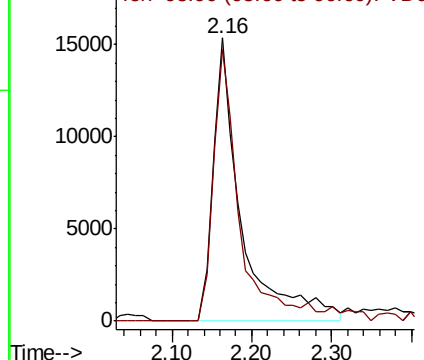
94 100

96 96.0 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: 11.185 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060285.D

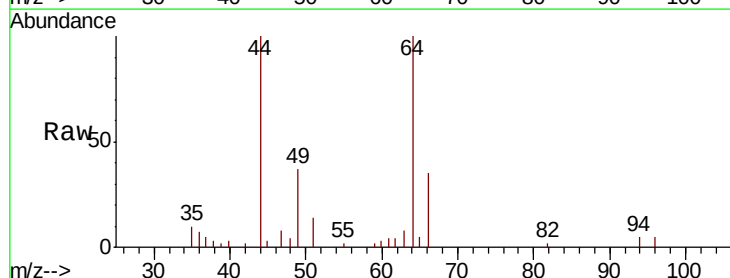
Acq: 6 Nov 2018 11:35

Tgt Ion: 64 Resp: 48625

Ion Ratio Lower Upper

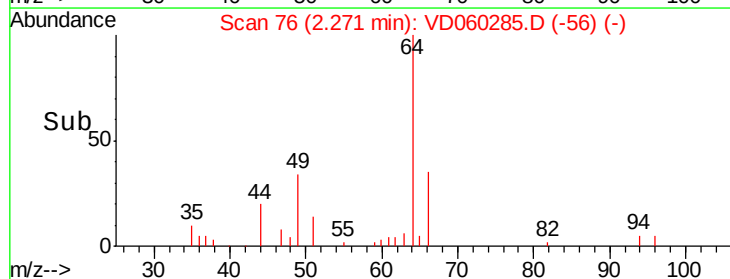
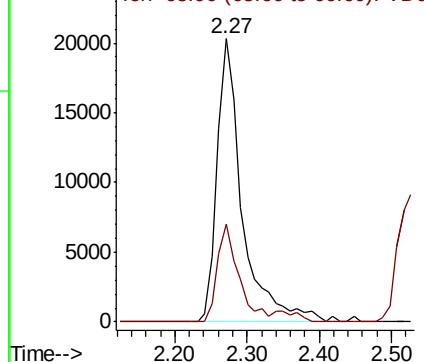
64 100

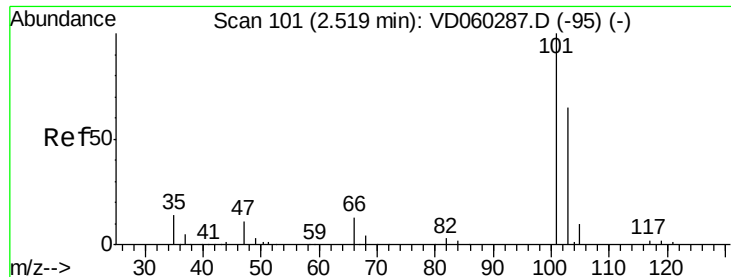
66 34.6 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



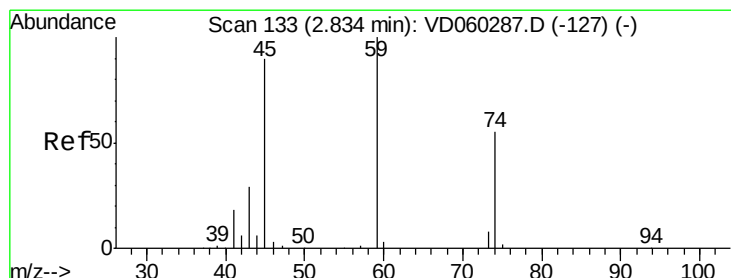
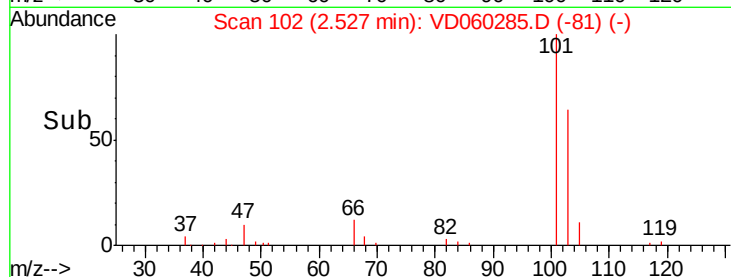
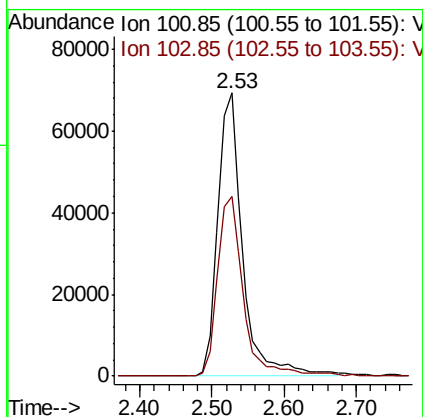
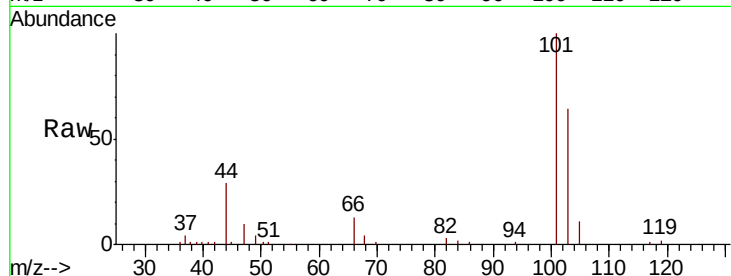


#7

Trichlorofluoromethane
 Concen: 10.901 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
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 ClientSampleId :
 VSTDIC010

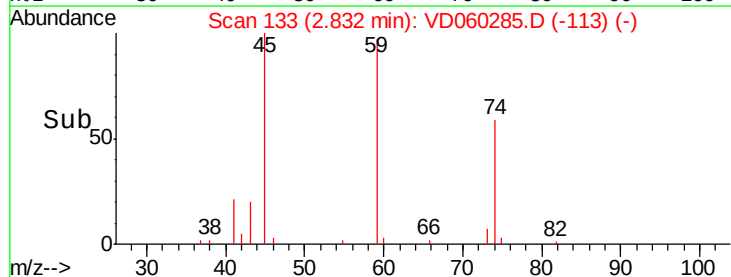
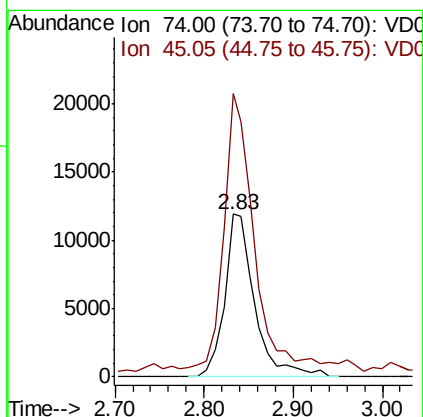
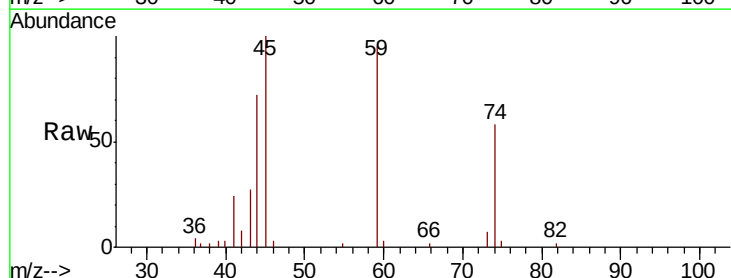
Tot Ion:101 Resp: 163974
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.6 80.4

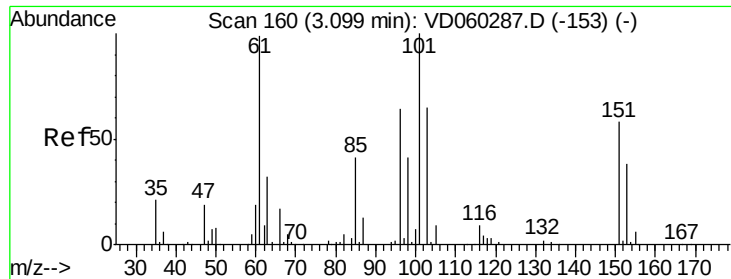


#8

Diethyl Ether
 Concen: 9.862 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 74 Resp: 28078
 Ion Ratio Lower Upper
 74 100
 45 173.7 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.947 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

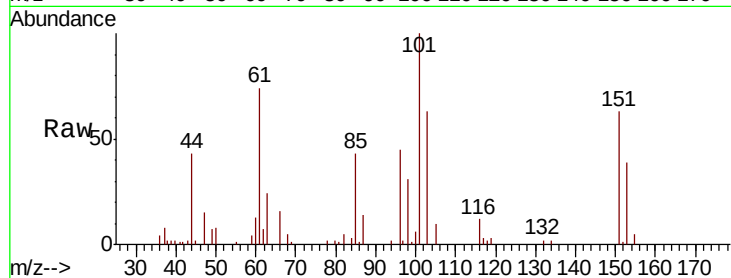
Tot Ion:101 Resp: 105918

Ion Ratio Lower Upper

101 100

85 43.4 31.4 47.0

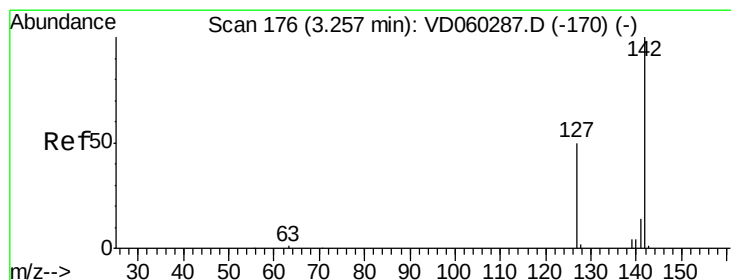
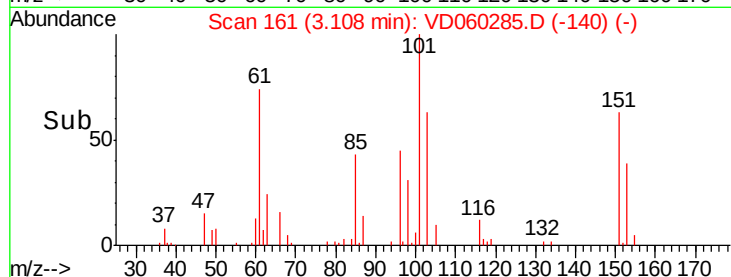
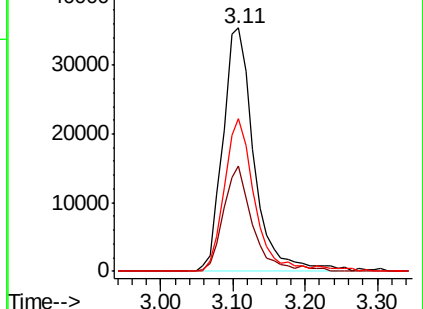
151 62.5 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 13.988 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

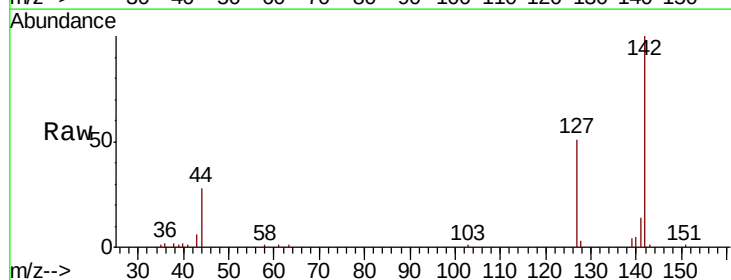
Tgt Ion:142 Resp: 131208

Ion Ratio Lower Upper

142 100

127 51.1 41.0 61.6

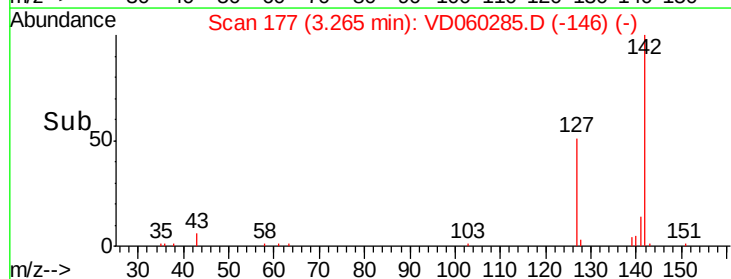
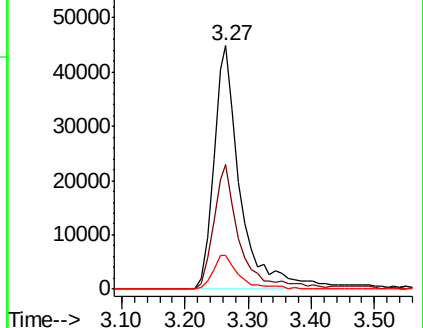
141 14.0 11.9 17.9

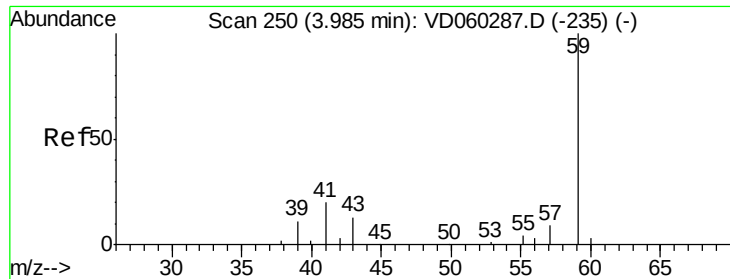


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

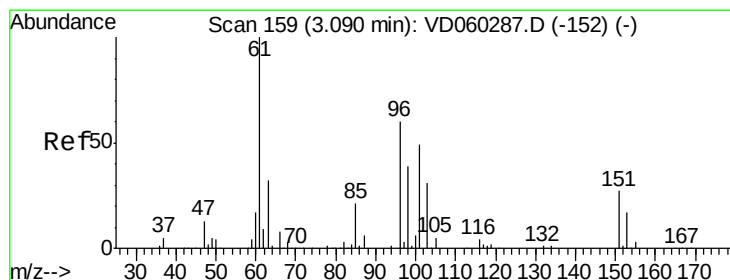
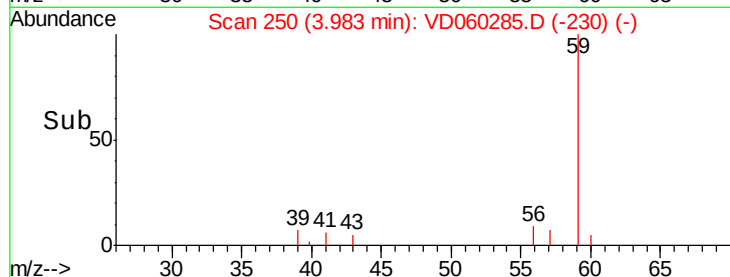
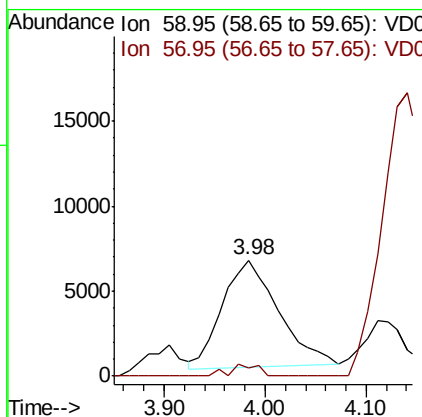
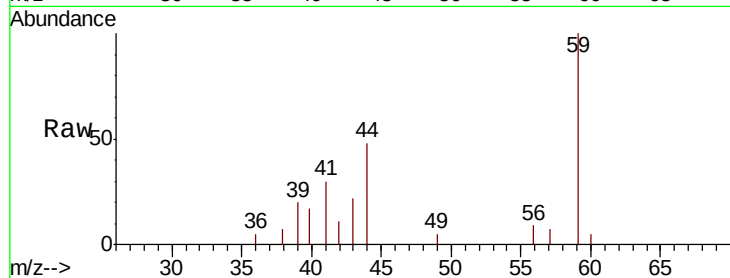




#11
Tert butyl alcohol
Concen: 50.195 ug/l
RT: 3.98 min Scan# 250
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

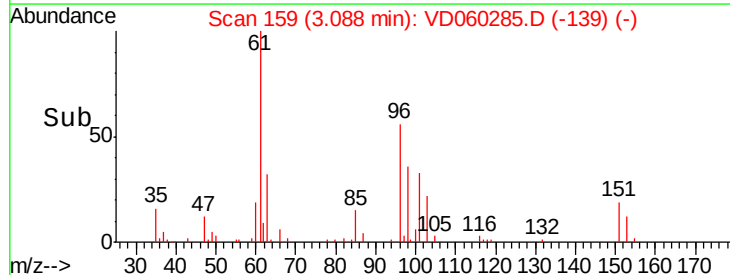
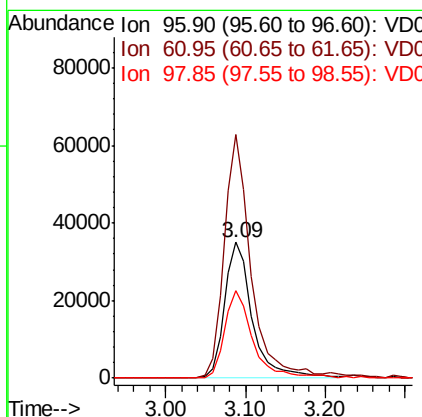
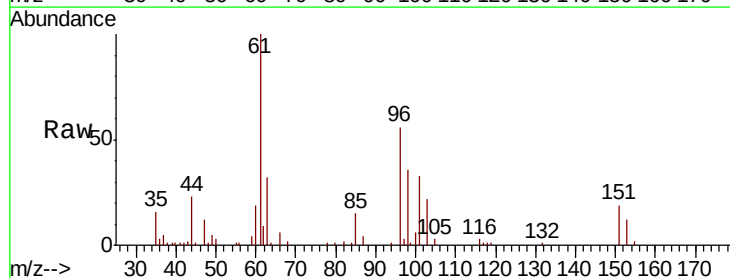
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

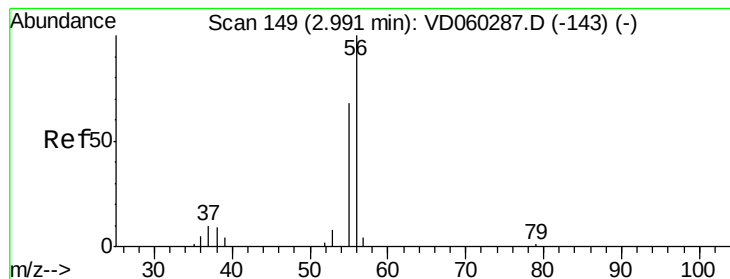
Tot Ion: 59 Resp: 24373
Ion Ratio Lower Upper
59 100
57 7.3 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 10.765 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 96 Resp: 86084
Ion Ratio Lower Upper
96 100
61 179.5 142.2 213.4
98 64.8 52.6 79.0





#13

Acrolein

Concen: 49.418 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

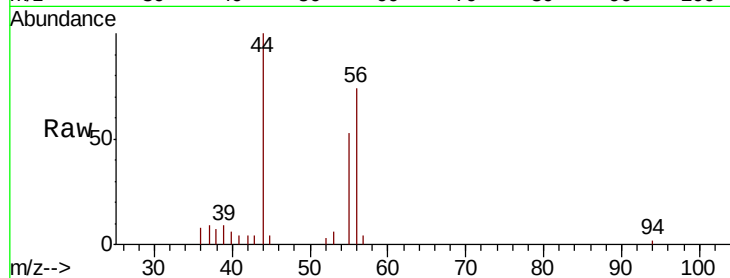
VSTDIC010

Tot Ion: 56 Resp: 29757

Ion Ratio Lower Upper

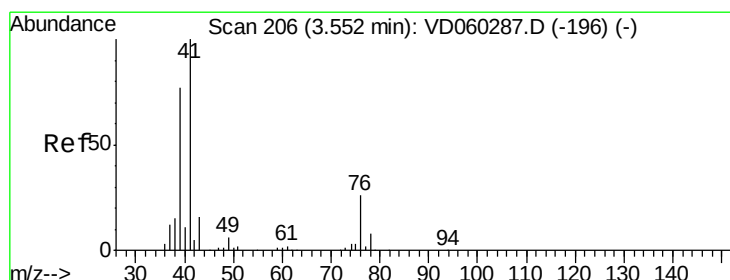
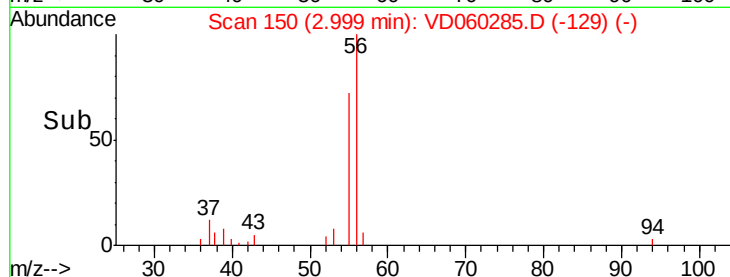
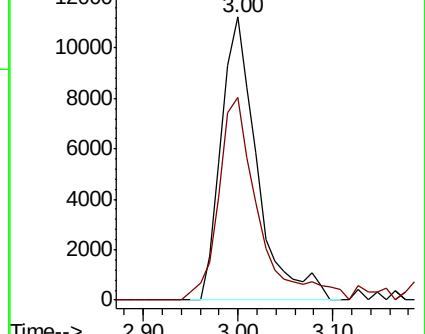
56 100

55 71.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.770 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

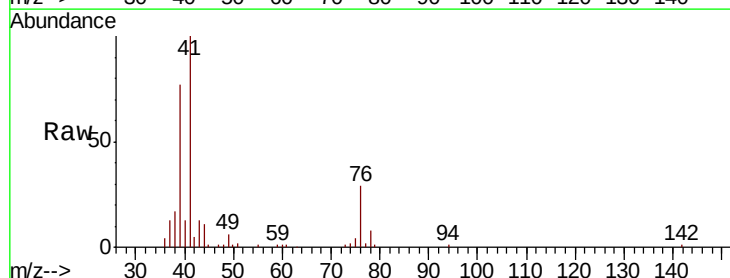
Tgt Ion: 41 Resp: 163664

Ion Ratio Lower Upper

41 100

39 76.8 60.4 90.6

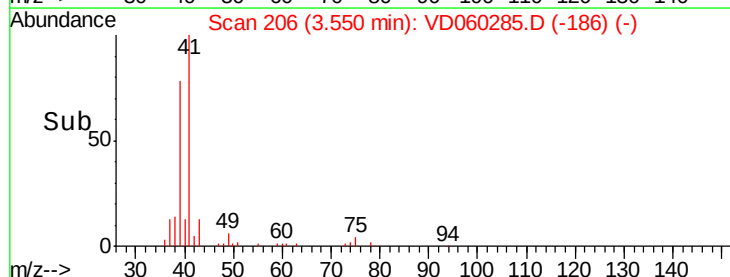
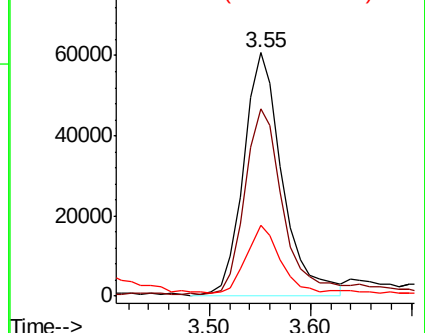
76 29.2 21.8 32.8

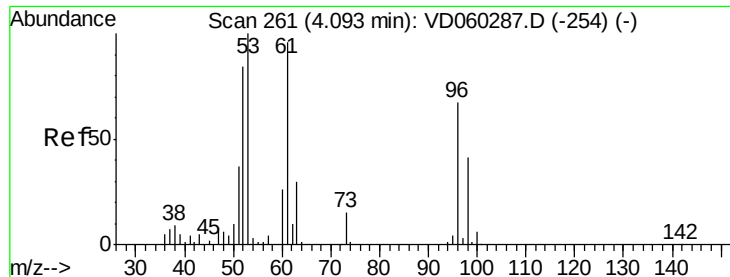


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 56.045 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

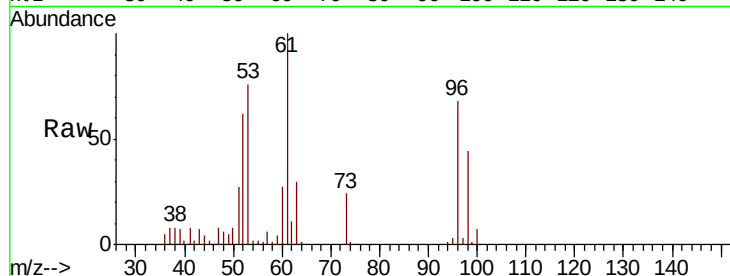
Tot Ion: 53 Resp: 149200

Ion Ratio Lower Upper

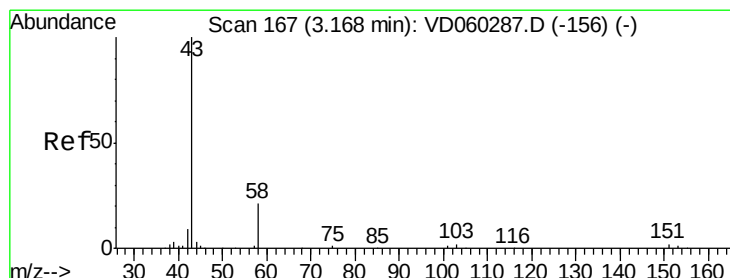
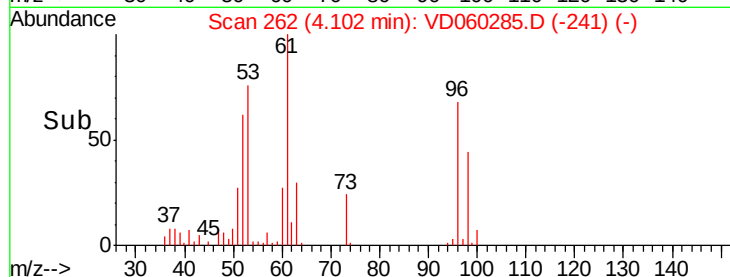
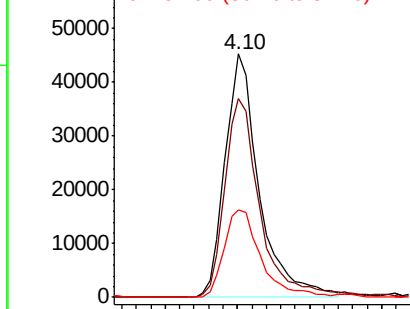
53 100

52 81.8 67.0 100.4

51 36.0 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: 55.341 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060285.D

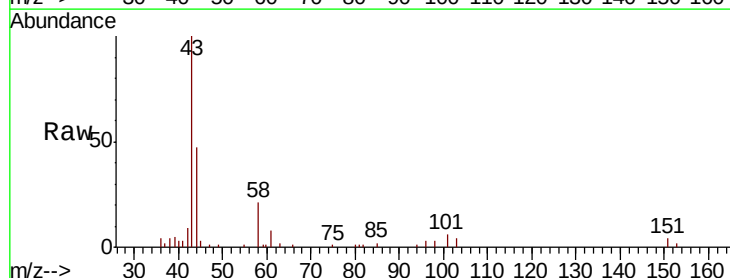
Acq: 6 Nov 2018 11:35

Tgt Ion: 43 Resp: 113962

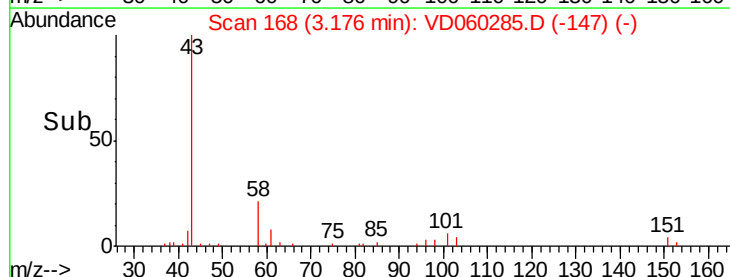
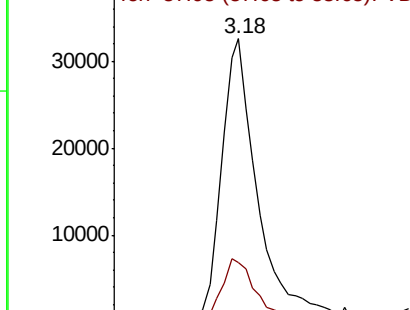
Ion Ratio Lower Upper

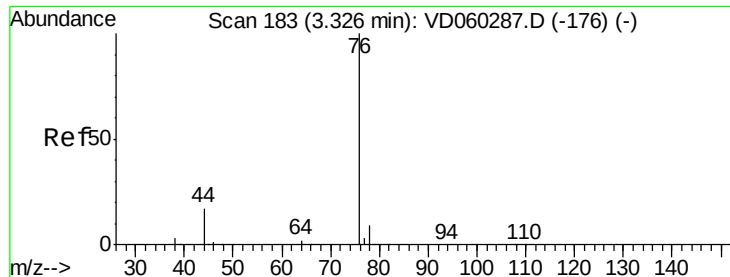
43 100

58 21.0 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: 10.762 ug/l

RT: 3.33 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

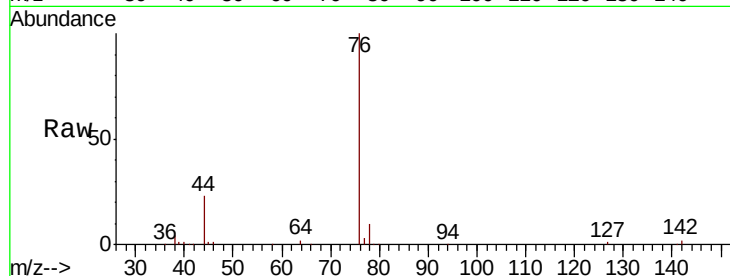
VSTDIC010

Tot Ion: 76 Resp: 279275

Ion Ratio Lower Upper

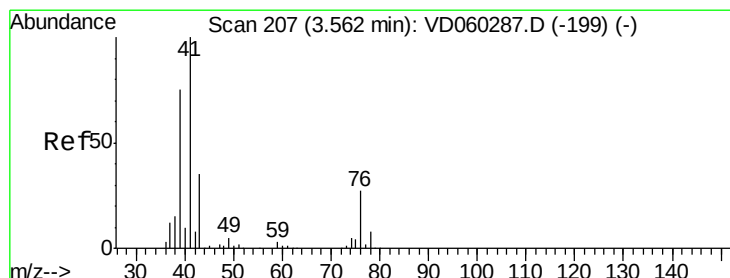
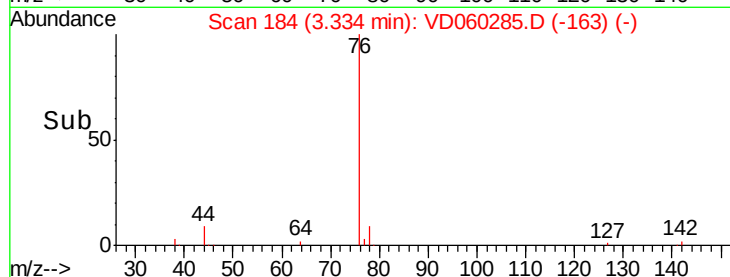
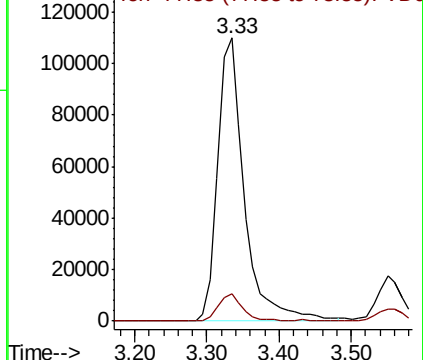
76 100

78 9.6 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: 9.865 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060285.D

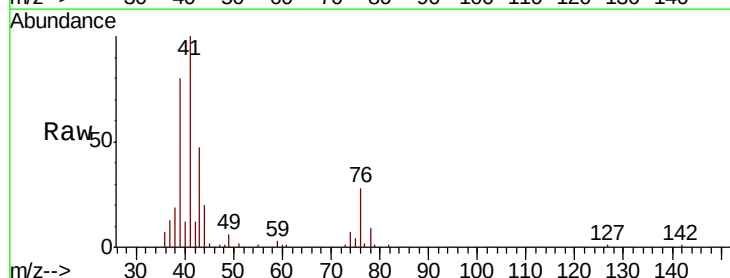
Acq: 6 Nov 2018 11:35

Tgt Ion: 43 Resp: 41572

Ion Ratio Lower Upper

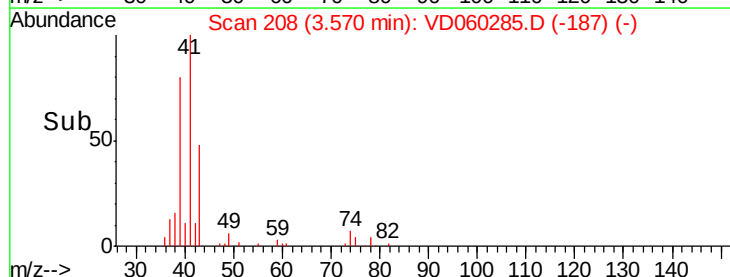
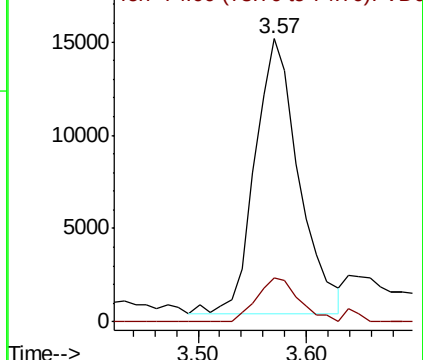
43 100

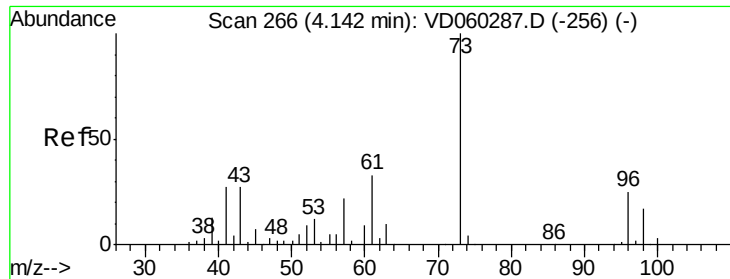
74 15.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



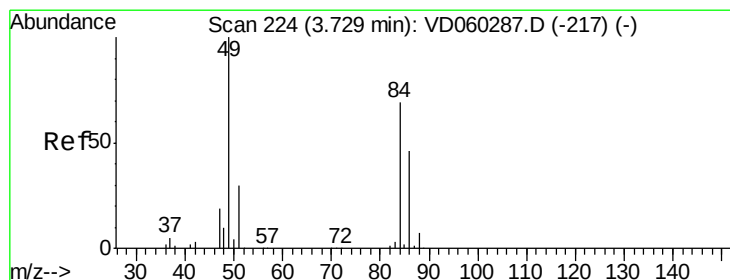
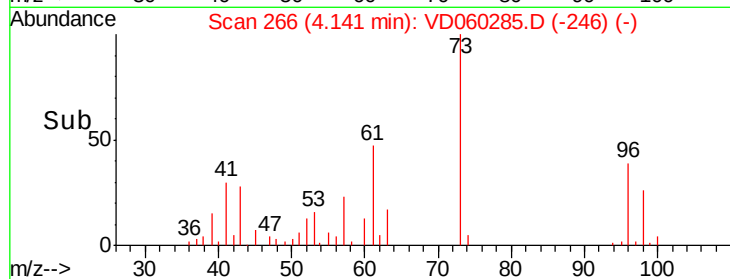
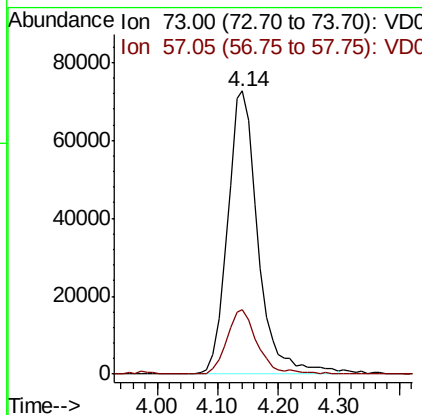
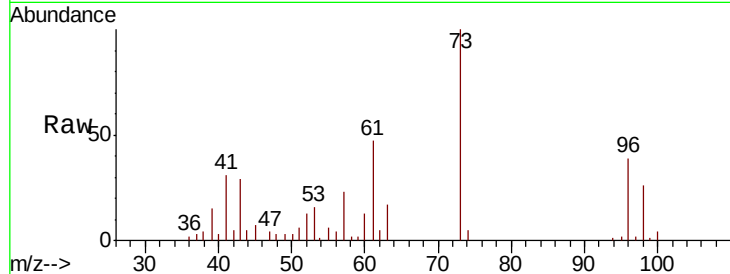


#19

Methyl tert-butyl Ether
 Concen: 11.218 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

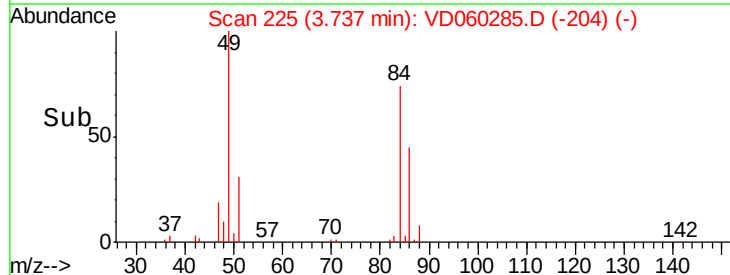
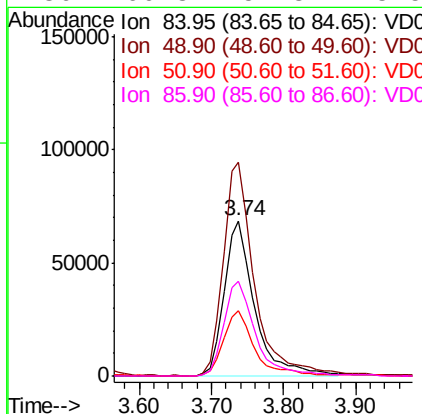
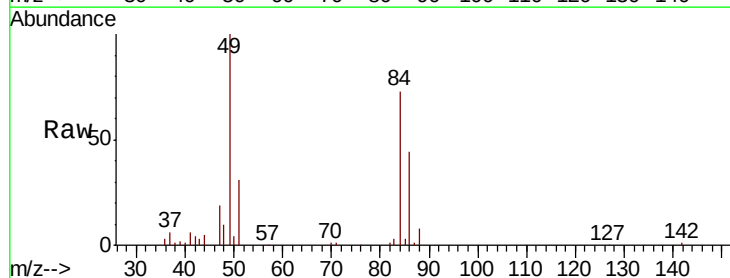
Tot Ion: 73 Resp: 252447
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.1 27.1

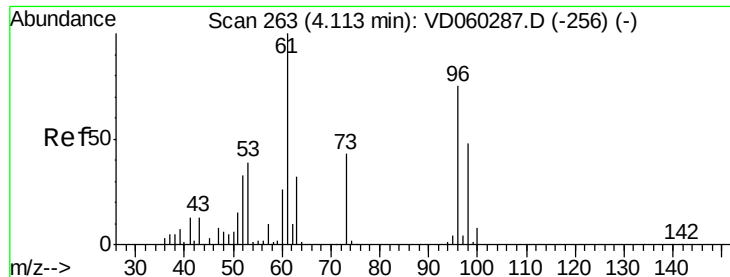


#20

Methylene Chloride
 Concen: 10.187 ug/l
 RT: 3.74 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 84 Resp: 199455
 Ion Ratio Lower Upper
 84 100
 49 137.8 115.6 173.4
 51 42.1 35.6 53.4
 86 60.8 52.3 78.5

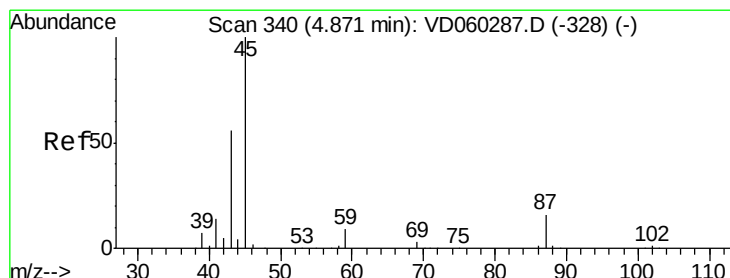
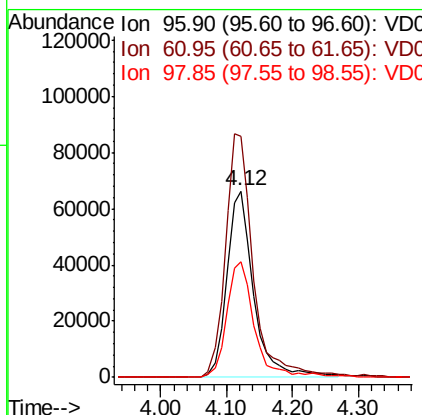
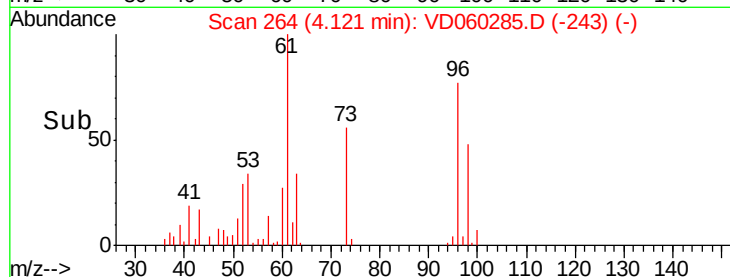
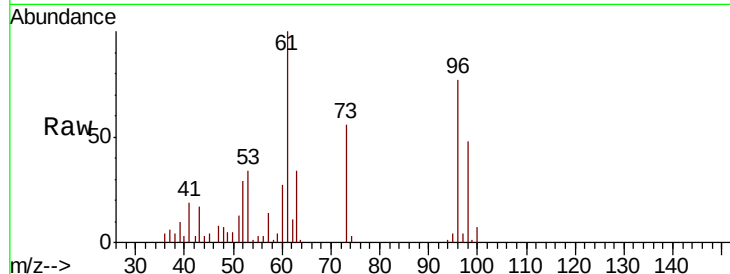




#21
trans-1,2-Dichloroethene
Concen: 11.061 ug/l
RT: 4.12 min Scan# 264
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

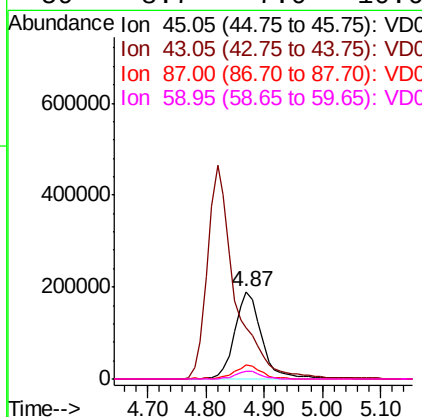
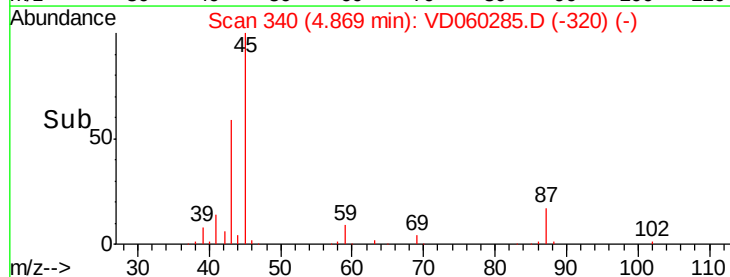
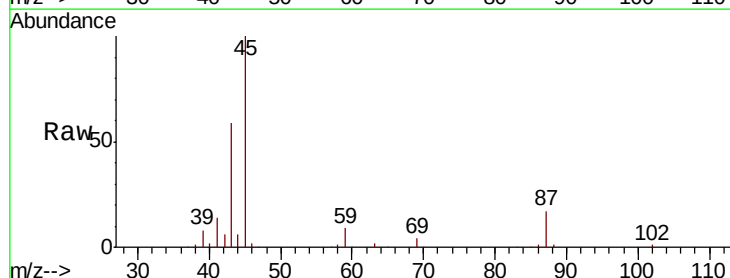
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

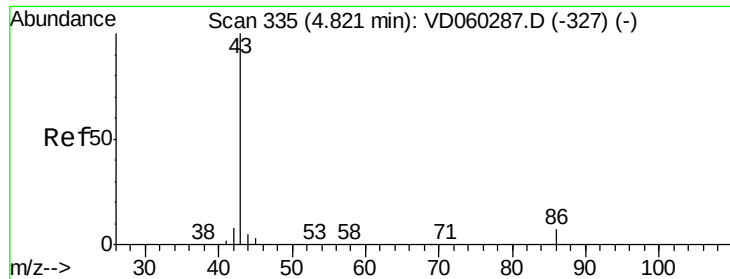
Tot Ion: 96 Resp: 188505
Ion Ratio Lower Upper
96 100
61 129.5 105.8 158.6
98 61.7 50.8 76.2



#22
Diisopropyl ether
Concen: 11.023 ug/l
RT: 4.87 min Scan# 340
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 45 Resp: 609759
Ion Ratio Lower Upper
45 100
43 58.8 44.9 67.3
87 16.5 13.9 20.9
59 8.7 7.0 10.6





#23

Vinyl Acetate

Concen: 55.445 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

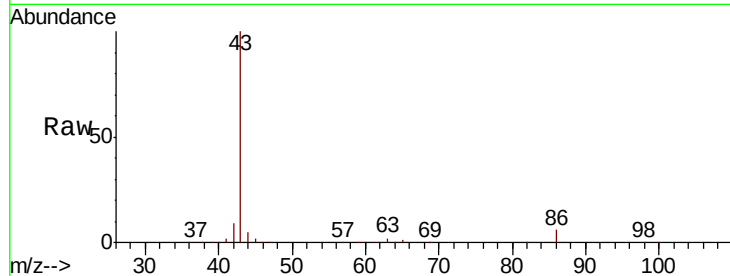
VSTDIC010

Tot Ion: 43 Resp: 1527706

Ion Ratio Lower Upper

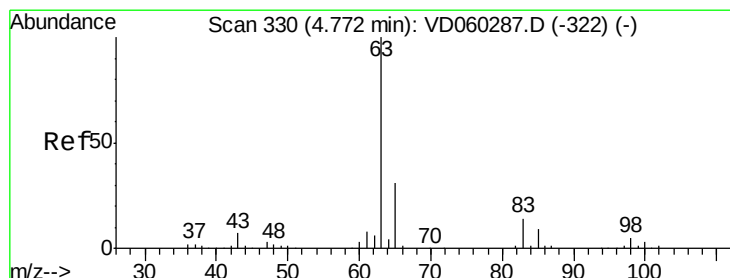
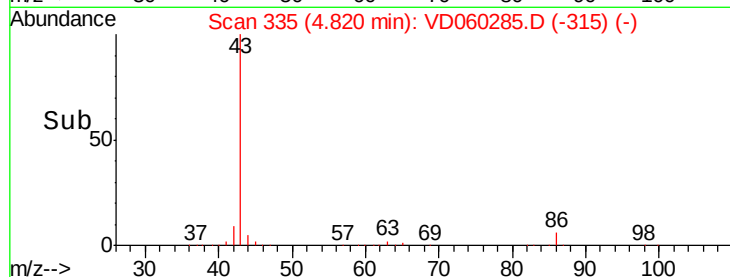
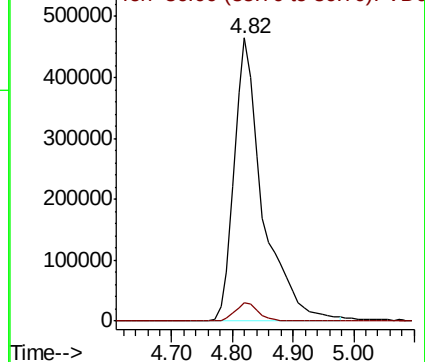
43 100

86 6.3 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 11.155 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

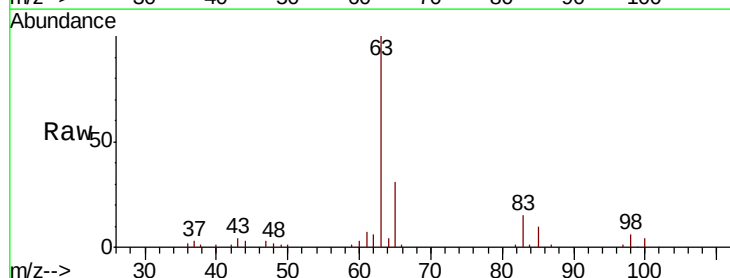
Tgt Ion: 63 Resp: 311465

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

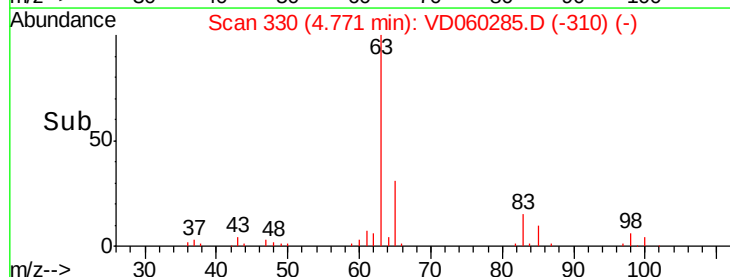
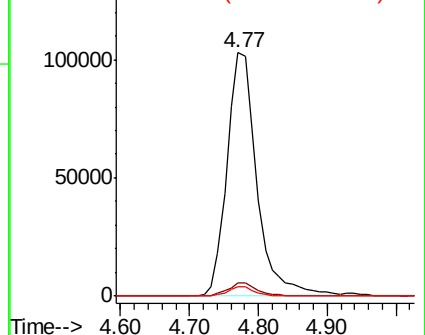
100 3.8 1.8 5.5

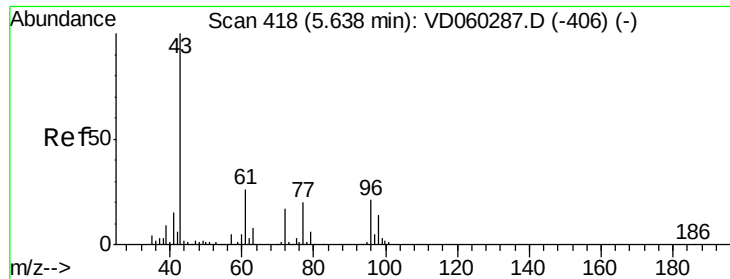


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 58.422 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

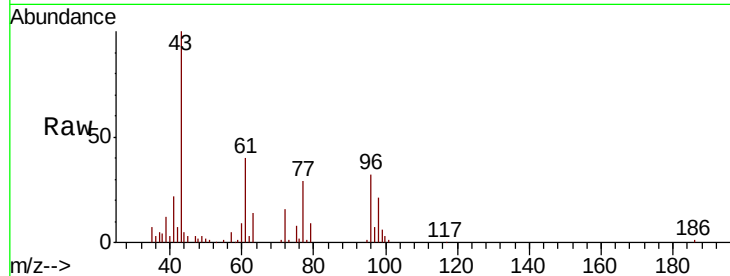
VSTDIC010

Tot Ion: 43 Resp: 228541

Ion Ratio Lower Upper

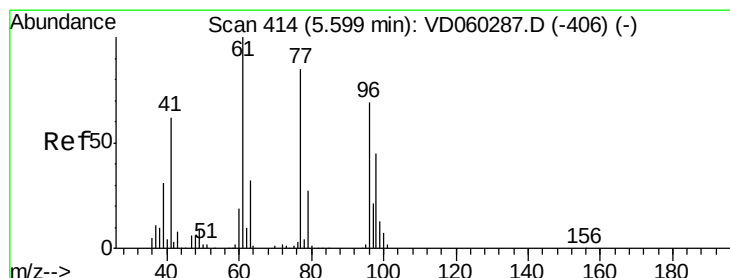
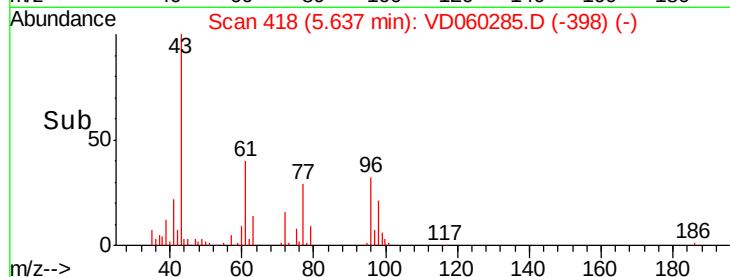
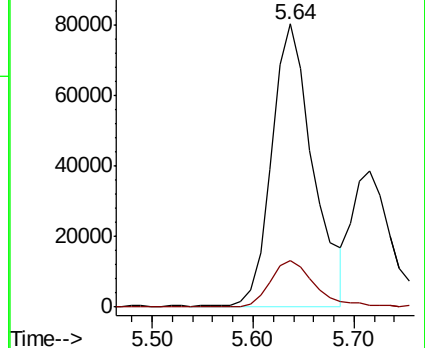
43 100

72 16.4 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: 11.281 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060285.D

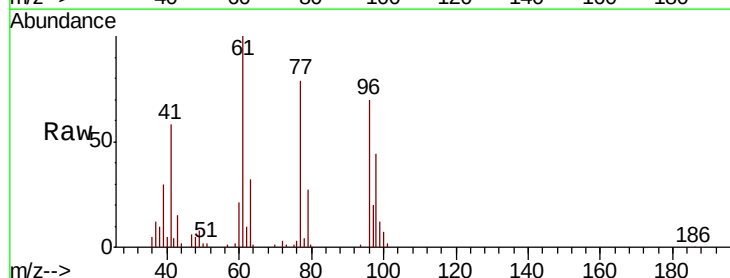
Acq: 6 Nov 2018 11:35

Tgt Ion: 77 Resp: 247310

Ion Ratio Lower Upper

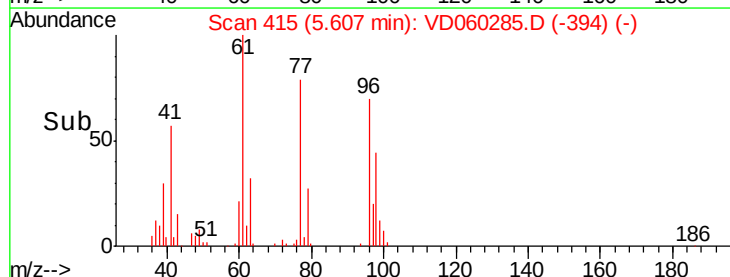
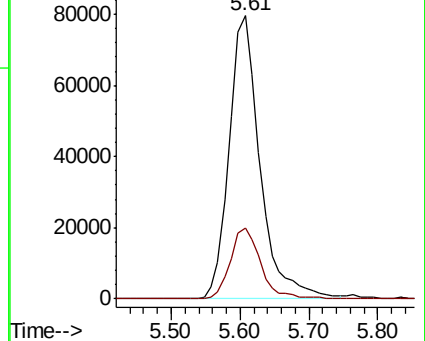
77 100

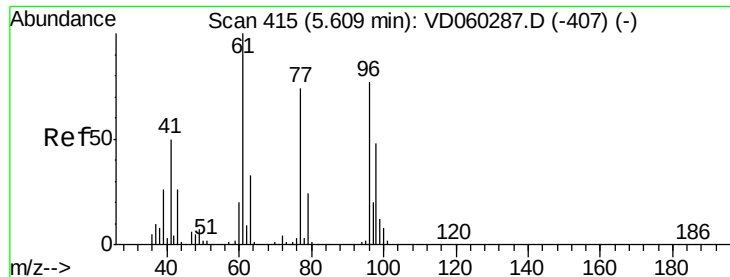
97 25.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



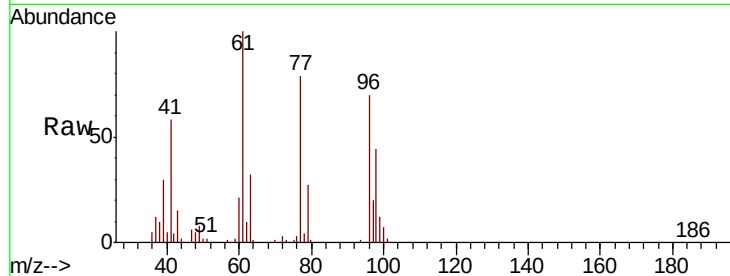


#27

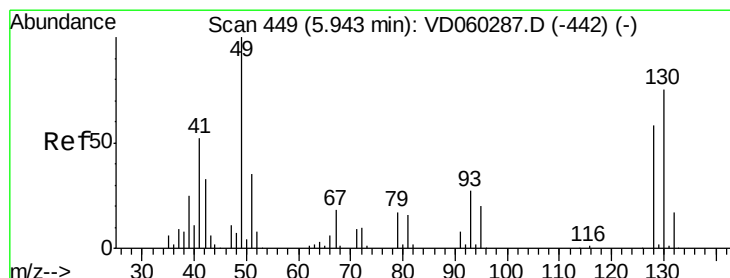
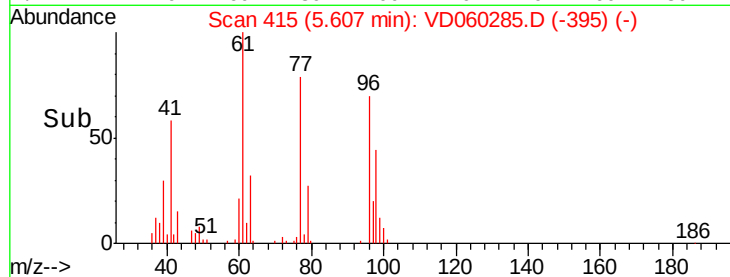
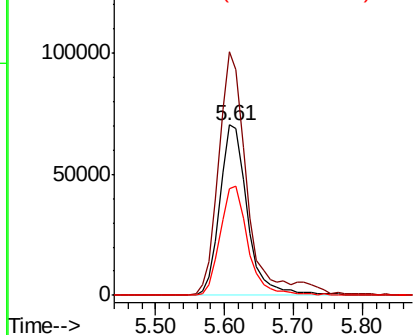
cis-1,2-Dichloroethene
 Concen: 11.072 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	259.0
98	62.7	0.0	128.8



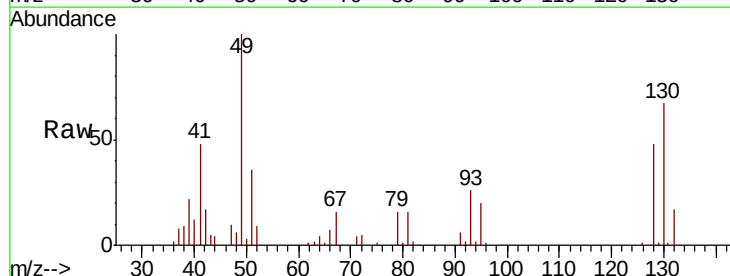
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



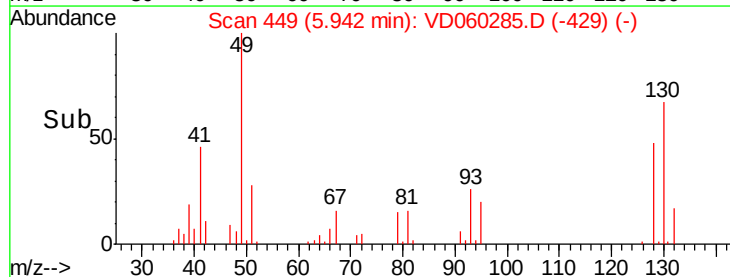
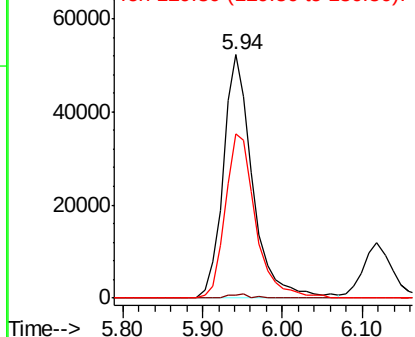
#28

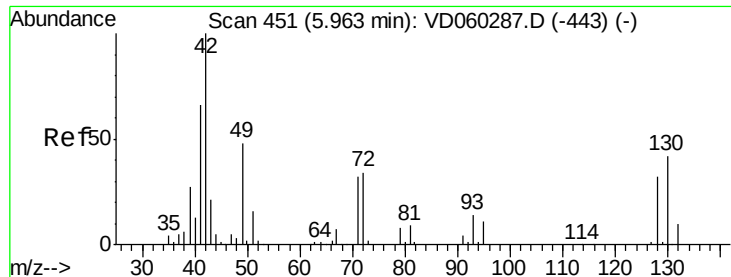
Bromochloromethane
 Concen: 10.860 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.8
130	67.4	53.6	80.4



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





#29

Tetrahydrofuran

Concen: 57.106 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

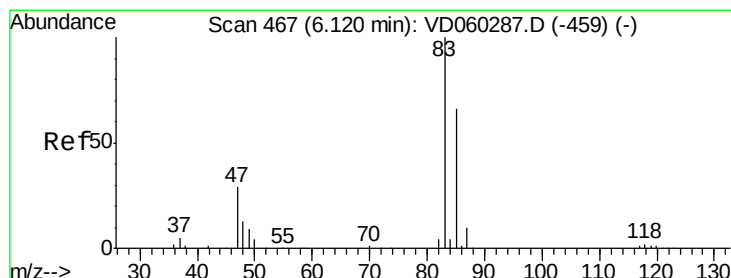
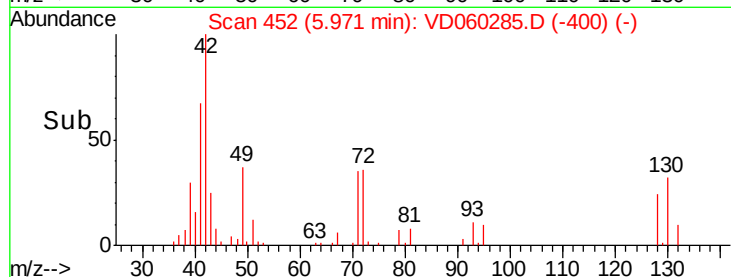
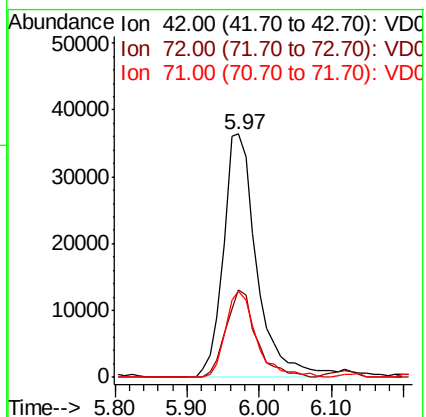
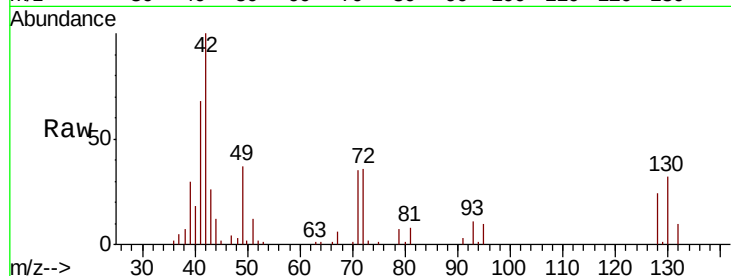
Tot Ion: 42 Resp: 117443

Ion Ratio Lower Upper

42 100

72 32.2 27.6 41.4

71 32.5 26.5 39.7



#30

Chloroform

Concen: 11.022 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060285.D

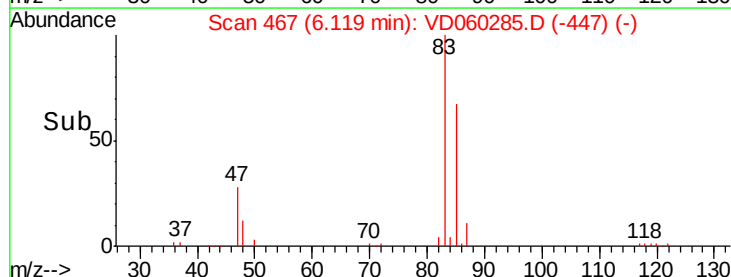
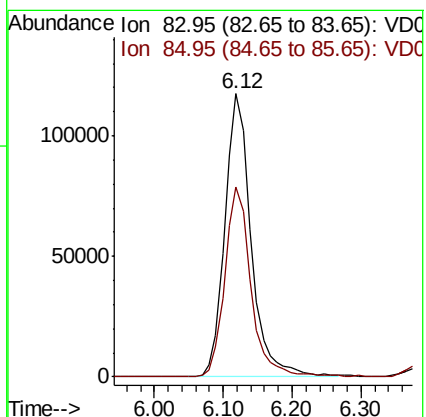
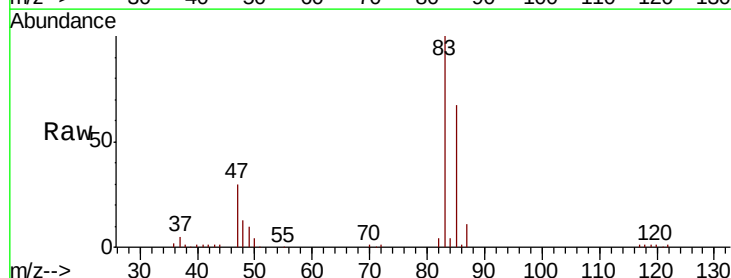
Acq: 6 Nov 2018 11:35

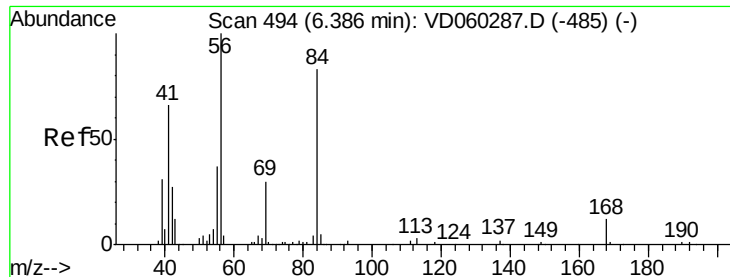
Tgt Ion: 83 Resp: 310625

Ion Ratio Lower Upper

83 100

85 67.3 52.5 78.7





#31

Cyclohexane

Concen: 11.801 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

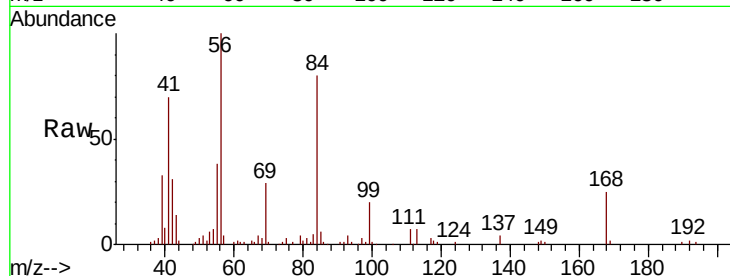
Tot Ion: 56 Resp: 310902

Ion Ratio Lower Upper

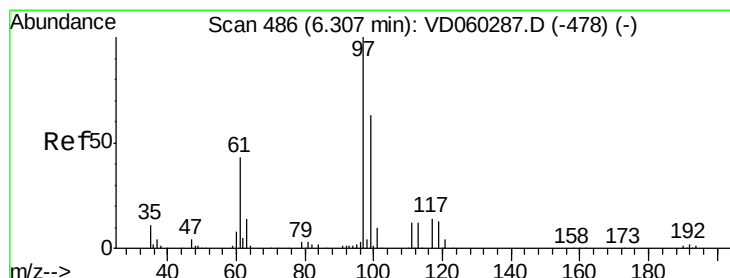
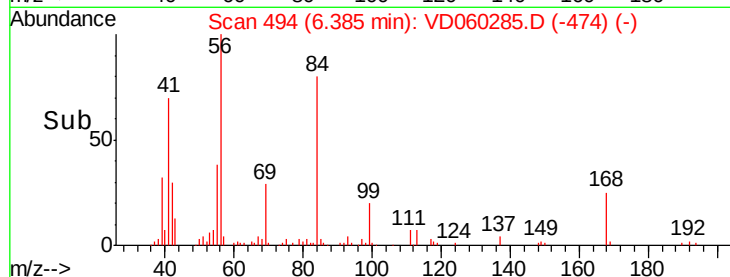
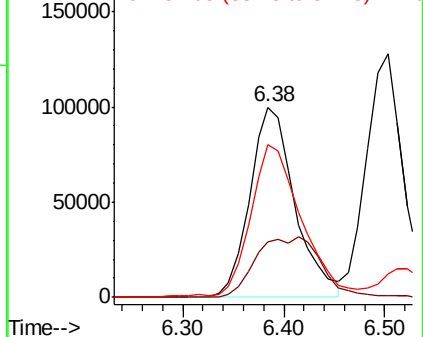
56 100

69 29.2 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: 11.198 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

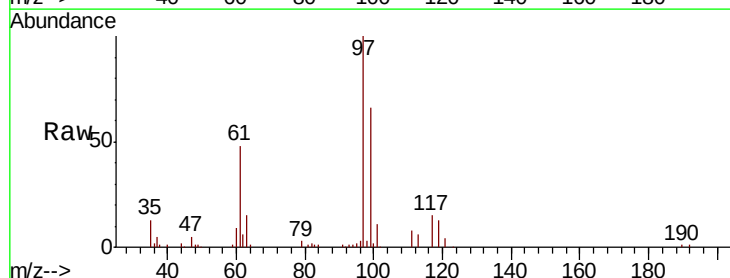
Tgt Ion: 97 Resp: 260175

Ion Ratio Lower Upper

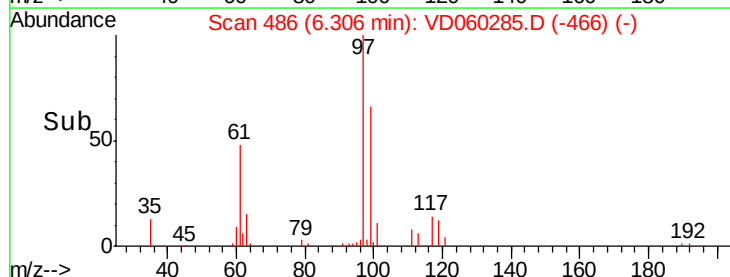
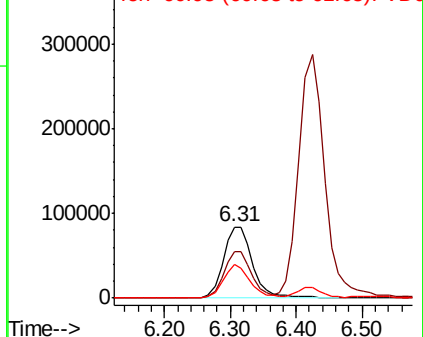
97 100

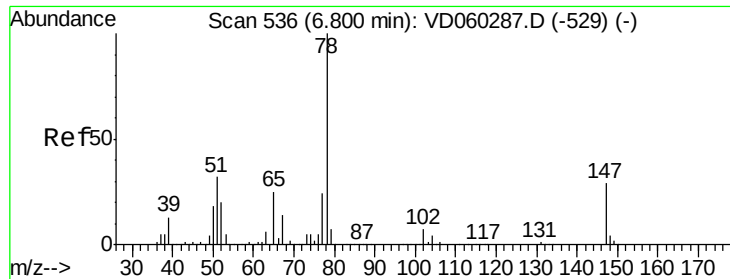
99 65.8 51.5 77.3

61 48.0 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

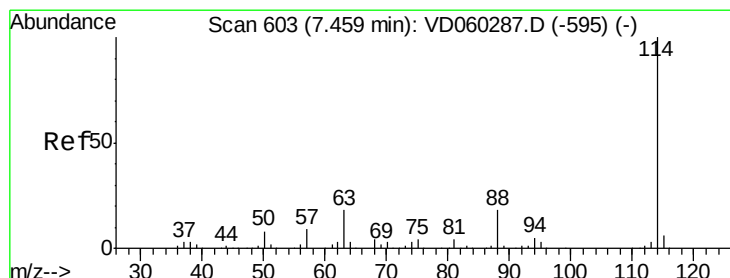
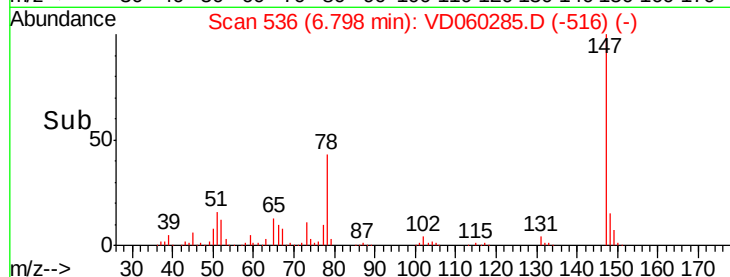
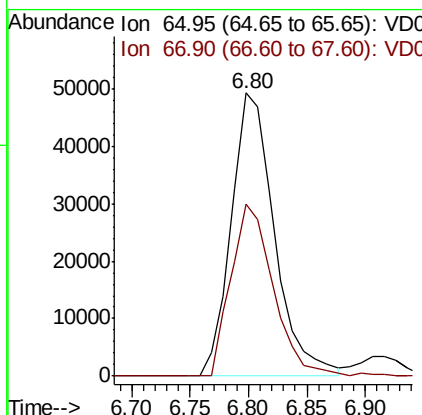
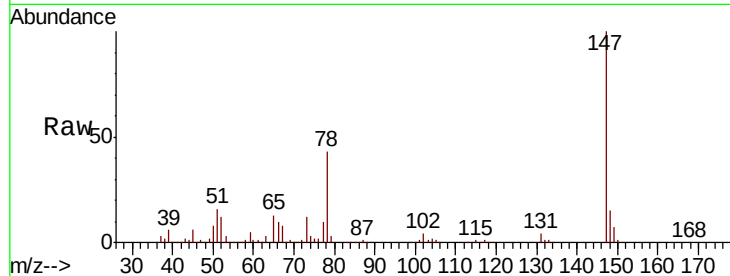




#33
 1,2-Dichloroethane-d4
 Concen: 11.198 ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

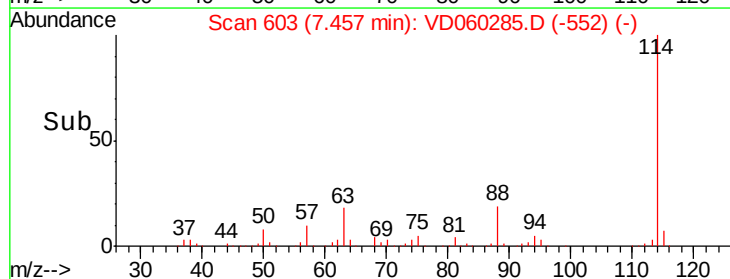
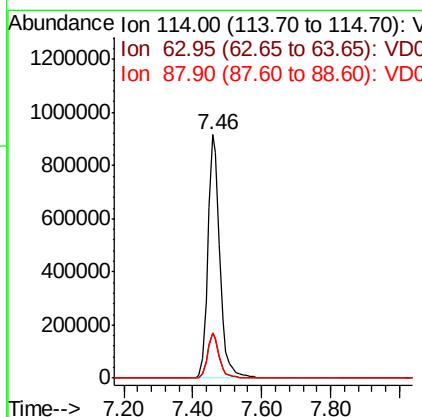
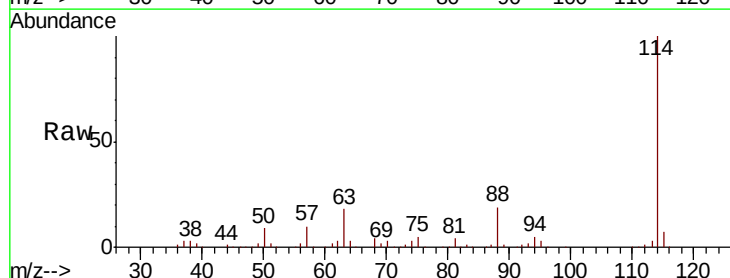
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

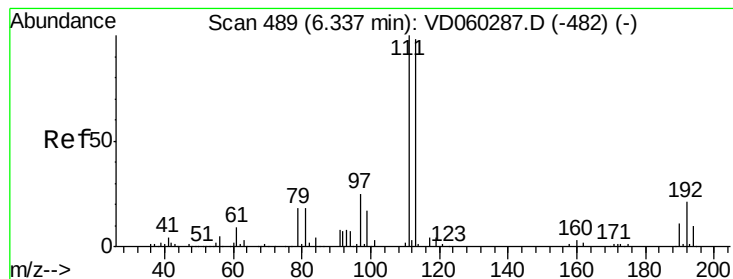
Tot Ion: 65 Resp: 126468
 Ion Ratio Lower Upper
 65 100
 67 60.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion:114 Resp: 2246602
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.0
 88 18.5 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: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

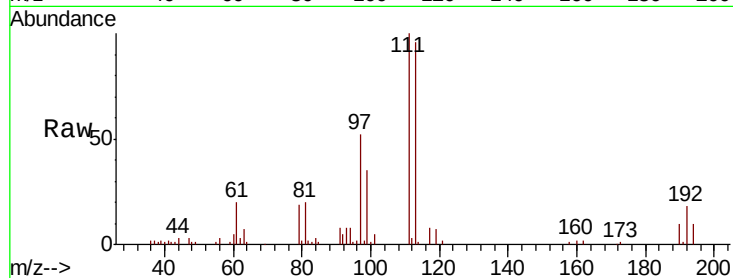
Tot Ion:113 Resp: 180086

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

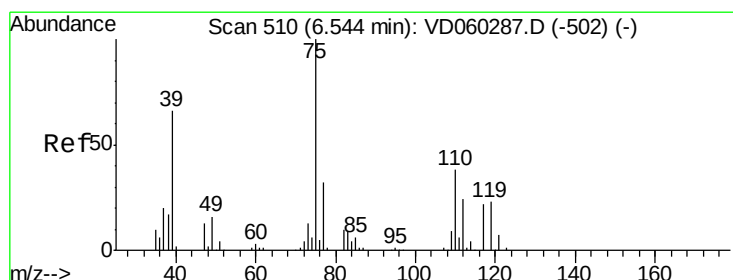
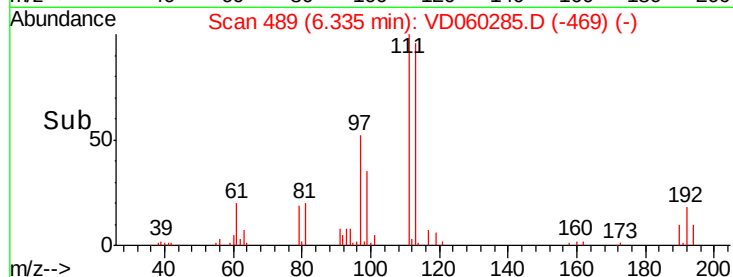
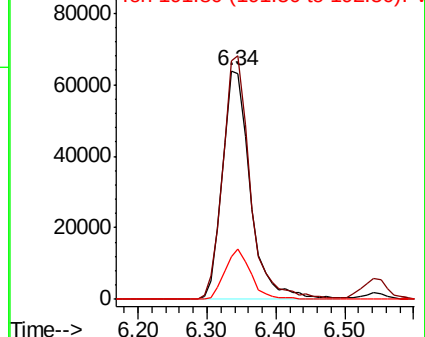
192 18.7 16.5 24.7



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: 11.325 ug/l

RT: 6.54 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

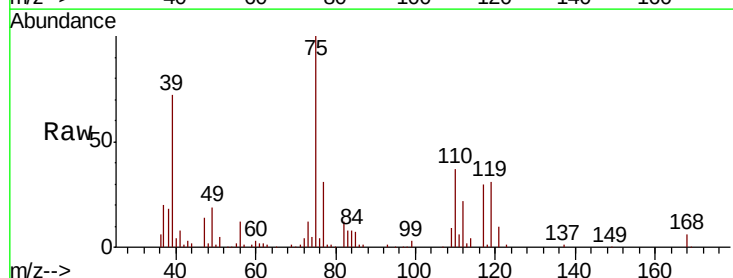
Tgt Ion: 75 Resp: 245963

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

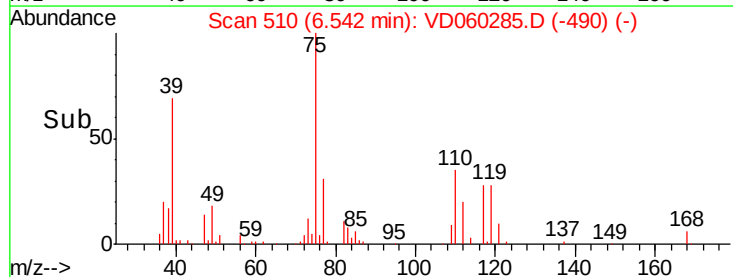
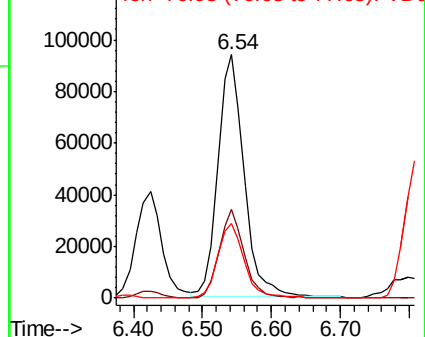
77 30.7 25.6 38.4

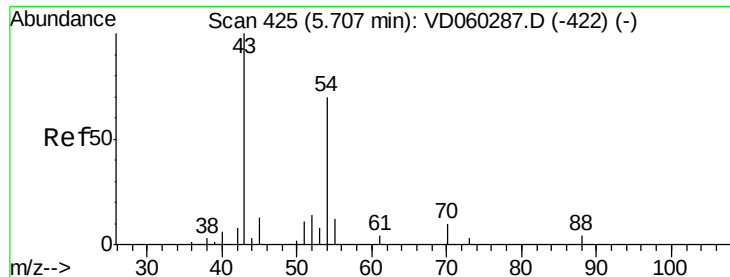


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

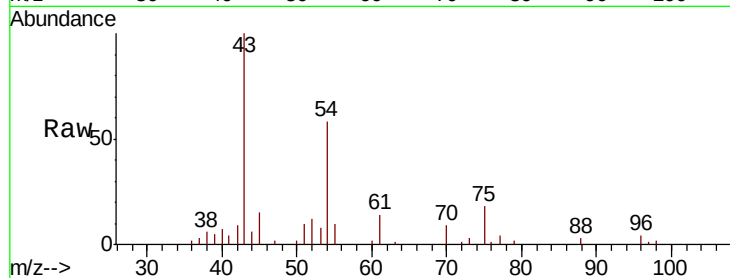




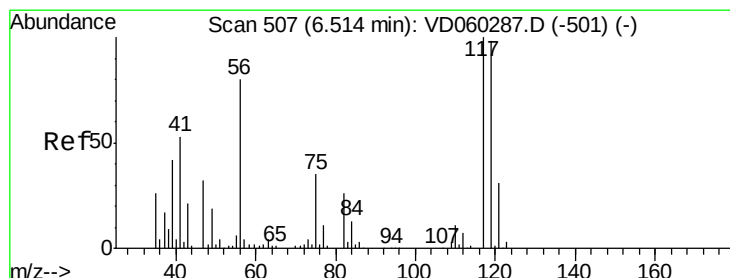
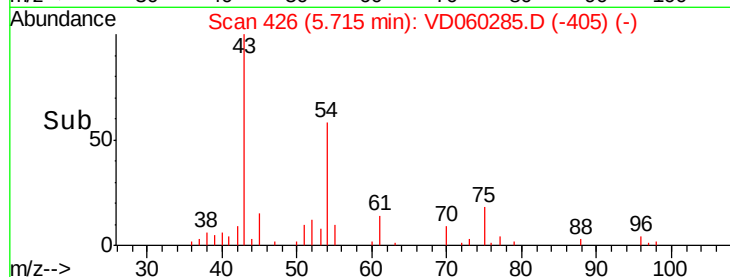
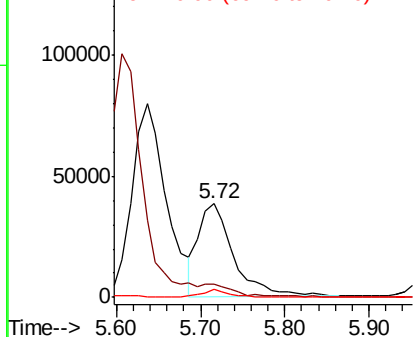
#37
Ethyl Acetate
Concen: 11.308 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 109615
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 8.7 6.2 9.4

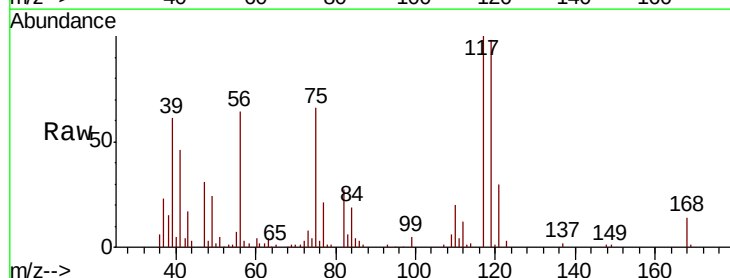


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

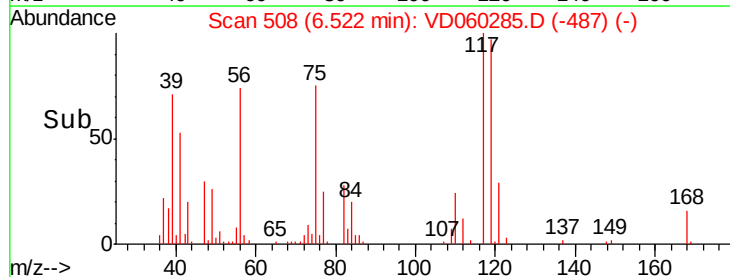
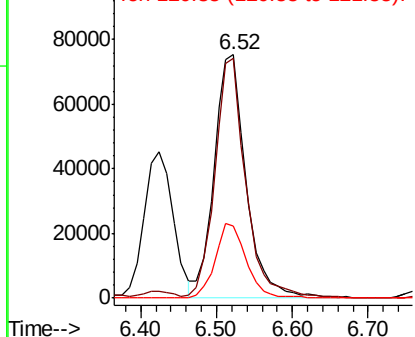


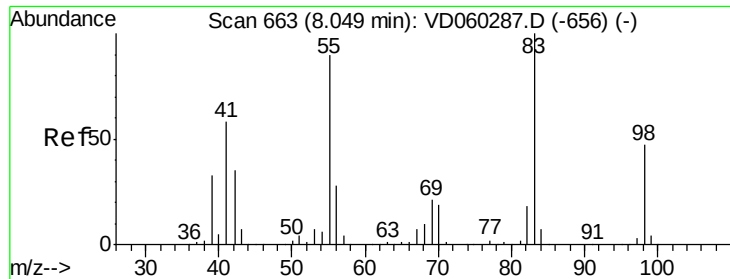
#38
Carbon Tetrachloride
Concen: 11.194 ug/l
RT: 6.52 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 117 Resp: 221571
Ion Ratio Lower Upper
117 100
119 98.3 76.6 115.0
121 29.7 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

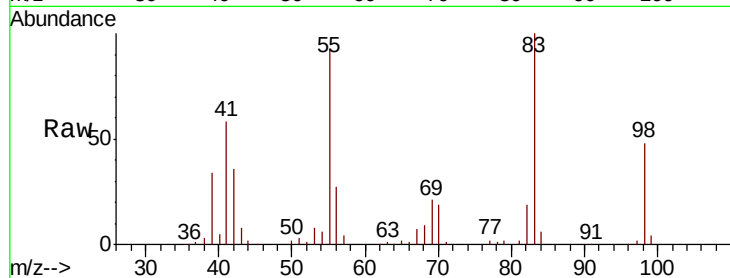




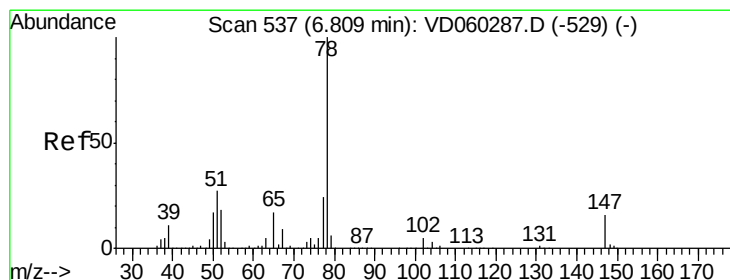
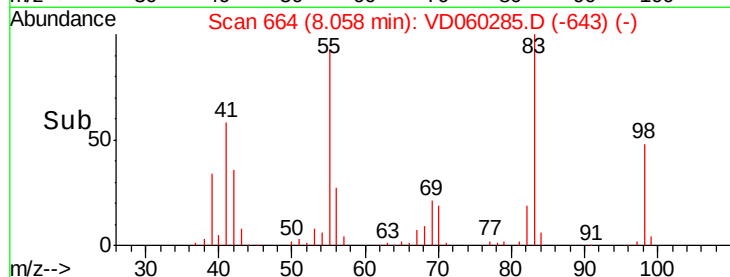
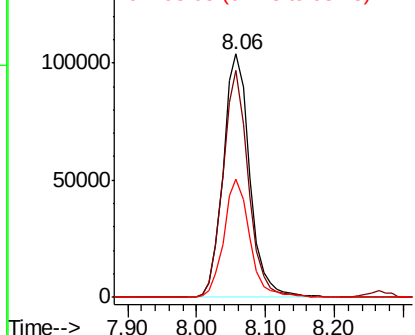
#39
Methylvlcyclohexane
Concen: 11.389 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 278128
Ion Ratio Lower Upper
83 100
55 93.0 71.2 106.8
98 48.3 38.4 57.6

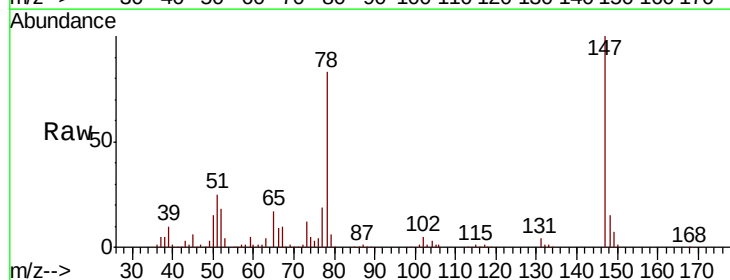


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

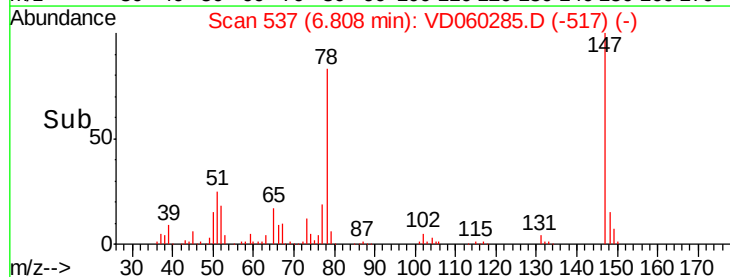
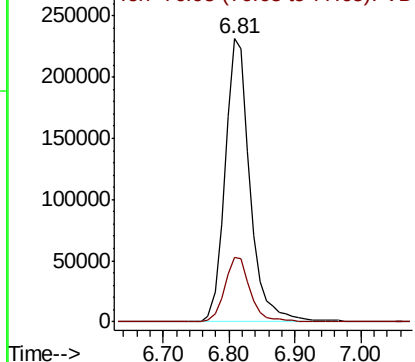


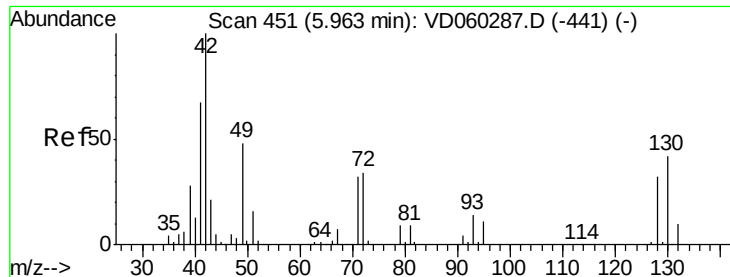
#40
Benzene
Concen: 10.922 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 78 Resp: 612062
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2



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

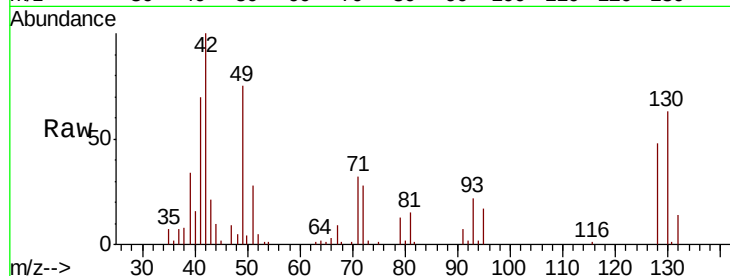




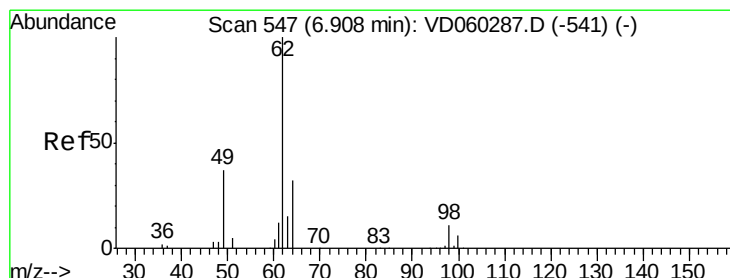
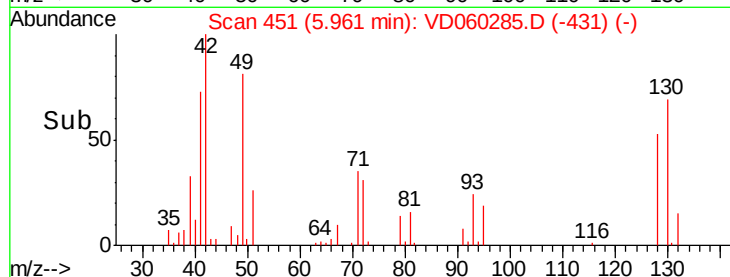
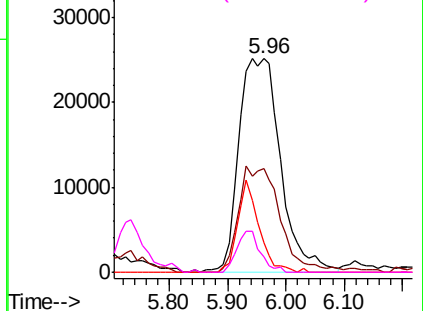
#41
Methacrylonitrile
Concen: 19.733 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	126374
Ion	Ratio	Lower	Upper
41	100		
39	48.5	36.2	54.2
67	13.5	11.9	17.9
52	7.2	5.2	7.8

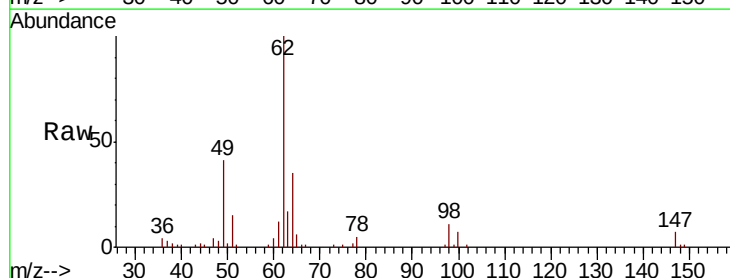


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

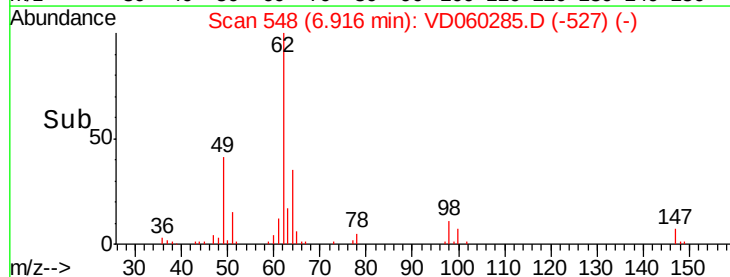
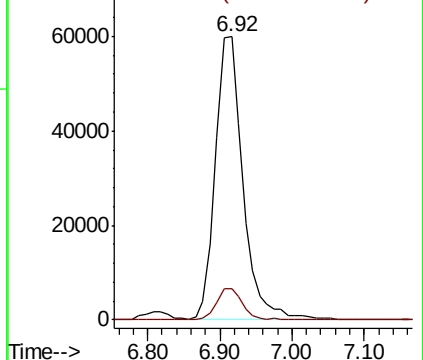


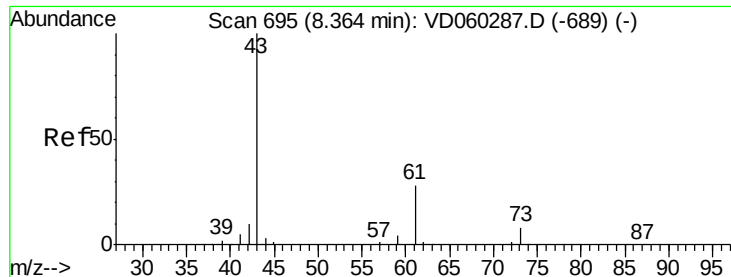
#42
1,2-Dichloroethane
Concen: 10.939 ug/l
RT: 6.92 min Scan# 548
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion:	62	Resp:	158906
Ion	Ratio	Lower	Upper
62	100		
98	10.8	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: 10.798 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

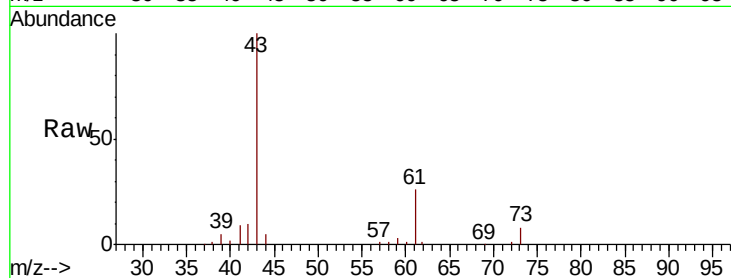
Tot Ion: 43 Resp: 135102

Ion Ratio Lower Upper

43 100

61 26.1 22.3 33.5

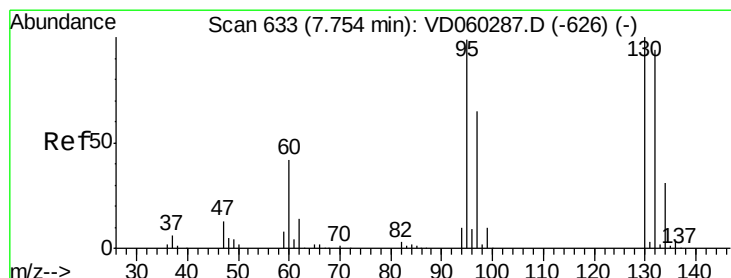
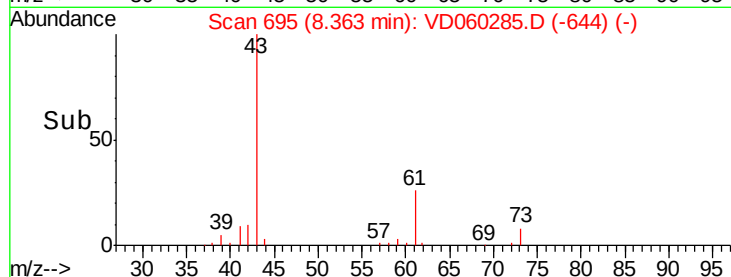
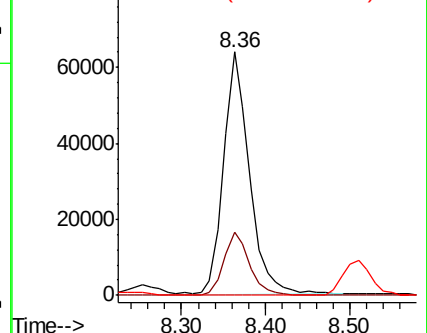
87 0.0 0.2 0.2#



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: 10.436 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060285.D

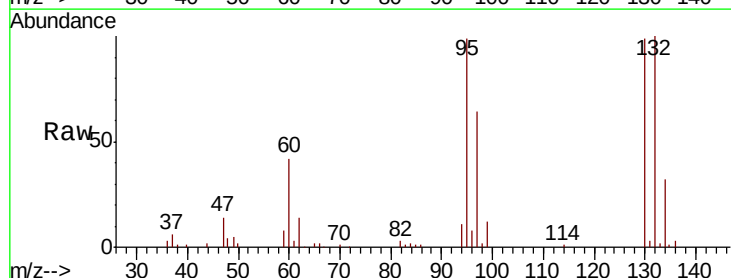
Acq: 6 Nov 2018 11:35

Tgt Ion:130 Resp: 178729

Ion Ratio Lower Upper

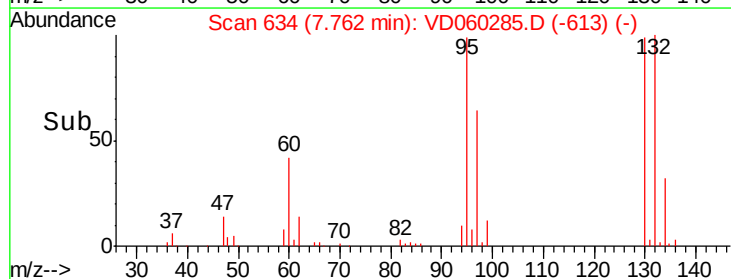
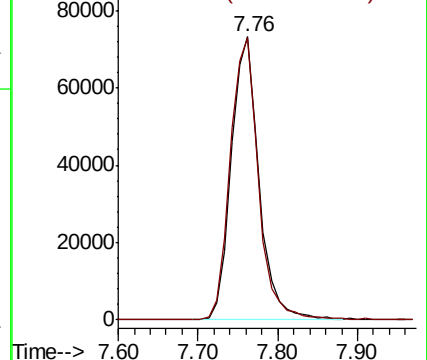
130 100

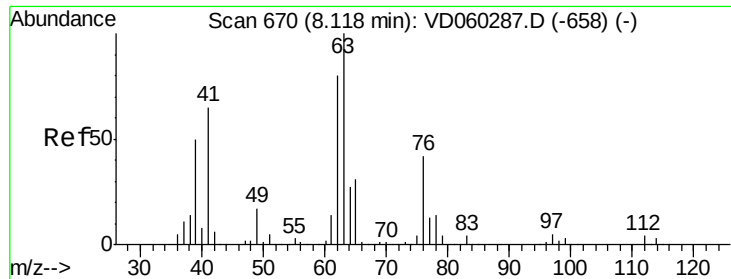
95 99.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

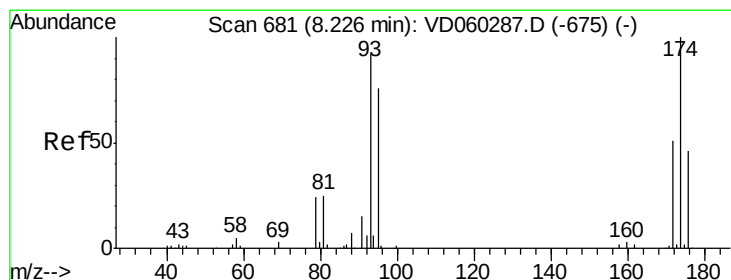
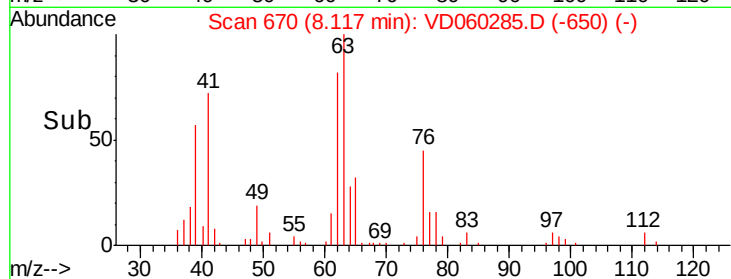
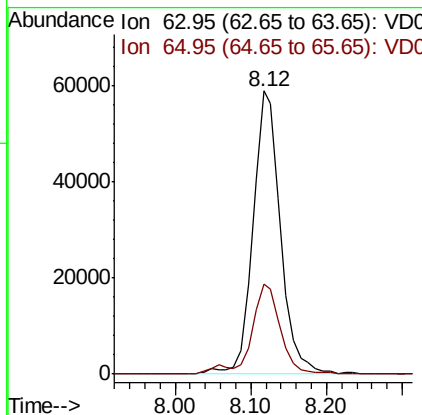
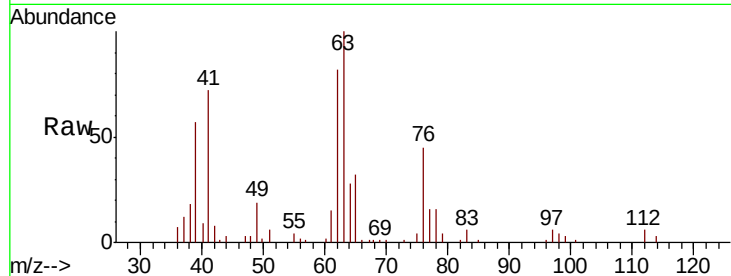




#45
 1,2-Dichloropropane
 Concen: 10.683 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

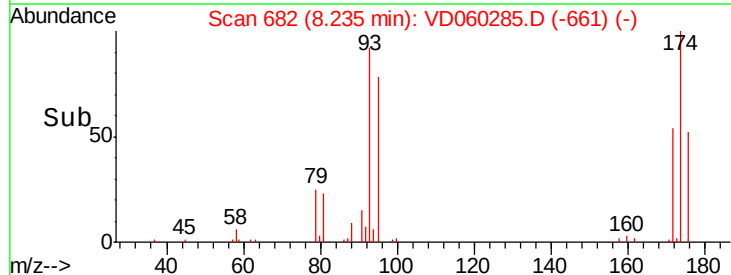
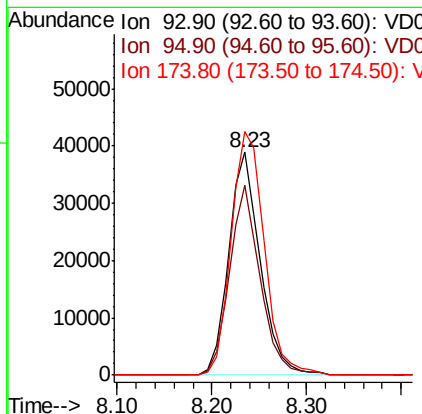
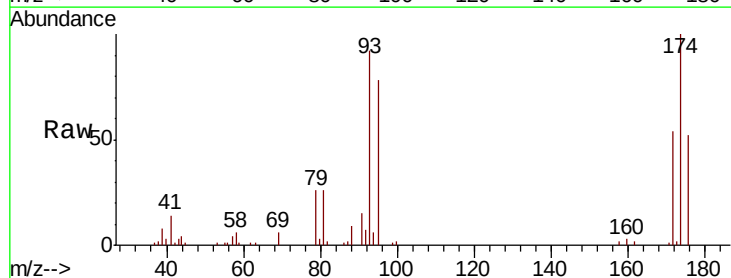
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

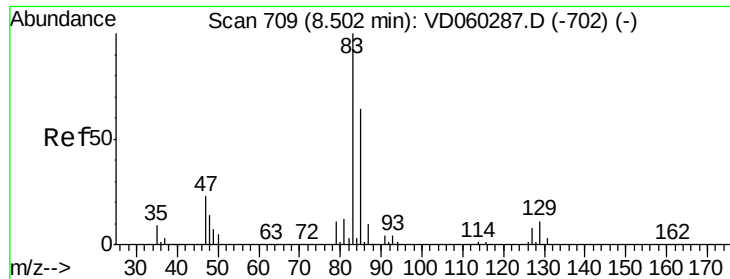
Tot Ion: 63 Resp: 149333
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.4 35.2



#46
 Dibromomethane
 Concen: 11.124 ug/l
 RT: 8.23 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 93 Resp: 89160
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.4 99.6
 174 109.2 87.8 131.8





#47

Bromodichloromethane

Concen: 10.726 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

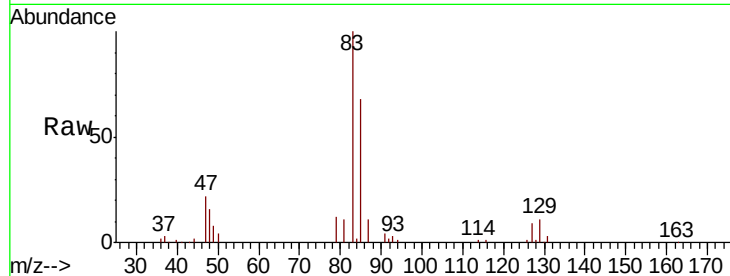
Tot Ion: 83 Resp: 206930

Ion Ratio Lower Upper

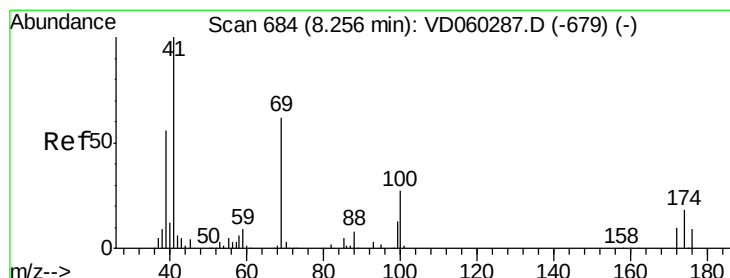
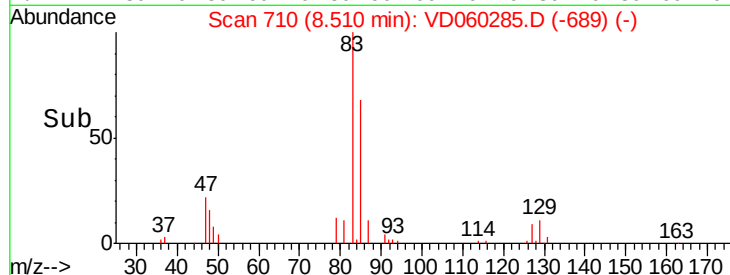
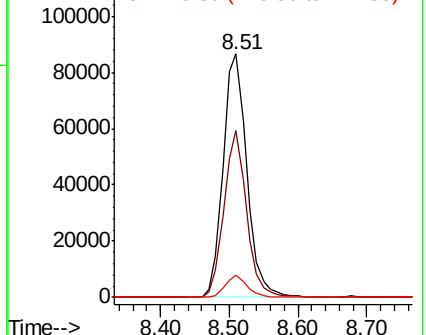
83 100

85 68.3 51.0 76.6

127 9.2 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: 11.055 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

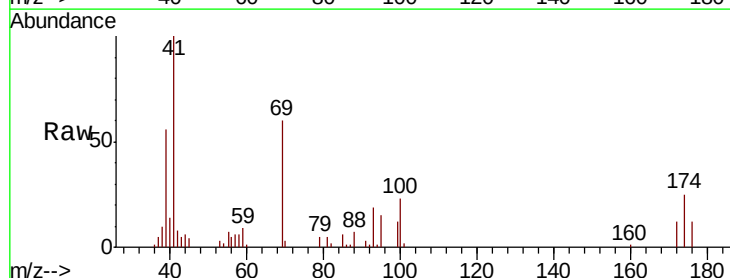
Tgt Ion: 41 Resp: 82877

Ion Ratio Lower Upper

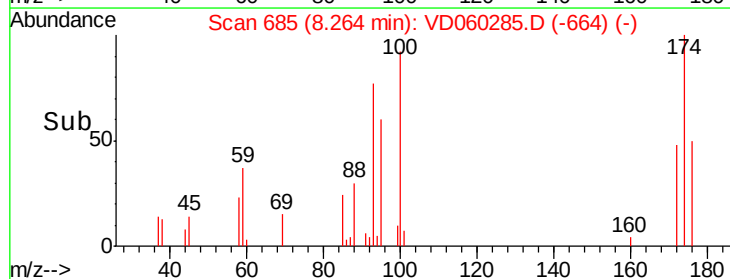
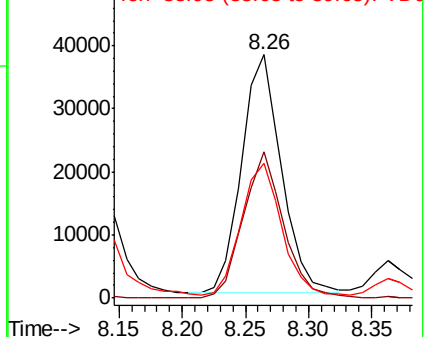
41 100

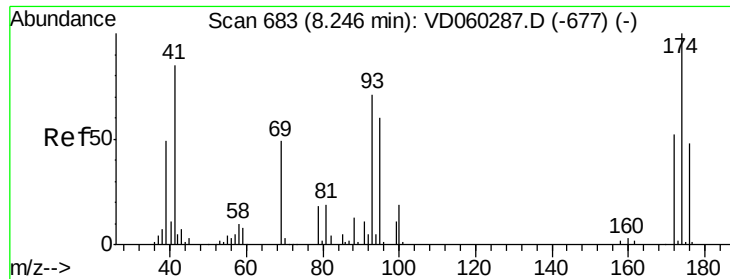
69 60.0 47.0 70.4

39 55.6 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: 215.170 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

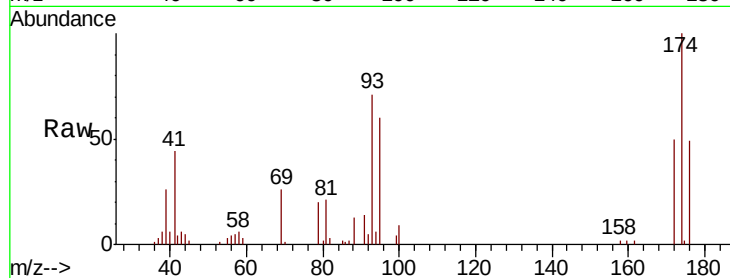
Tot Ion: 88 Resp: 14441

Ion Ratio Lower Upper

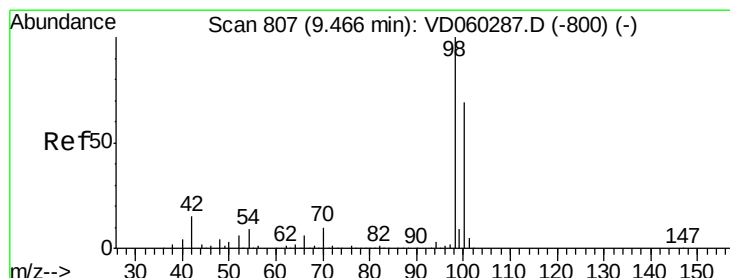
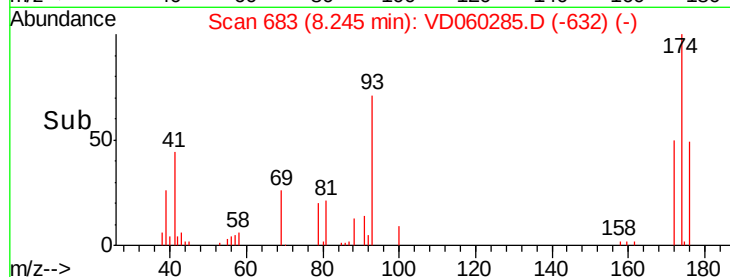
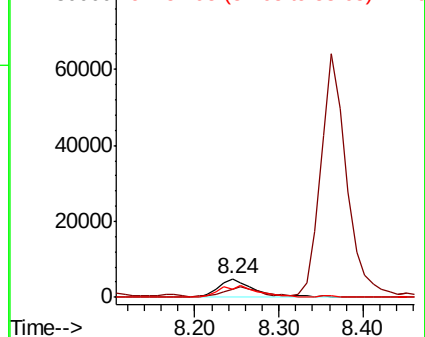
88 100

43 44.1 39.7 59.5

58 44.5 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: 215.170 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060285.D

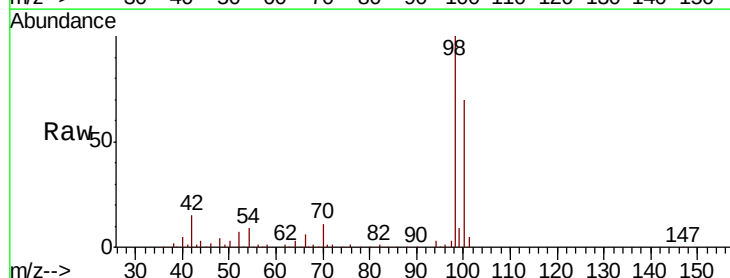
Acq: 6 Nov 2018 11:35

Tgt Ion: 98 Resp: 529867

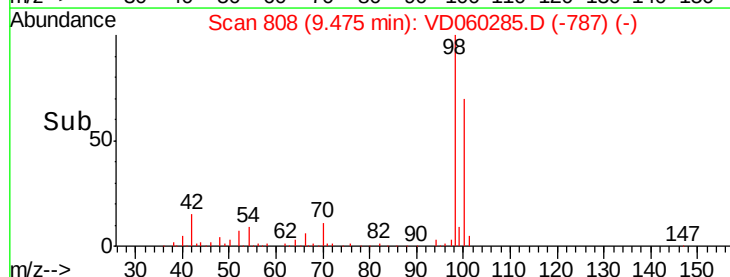
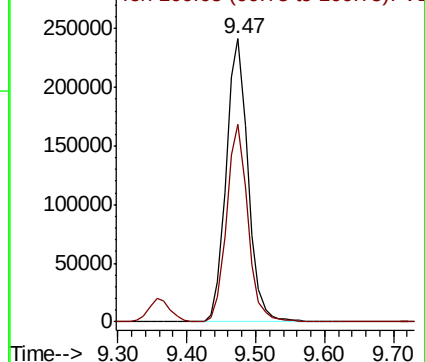
Ion Ratio Lower Upper

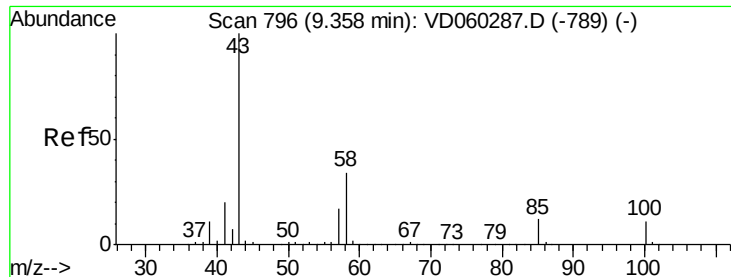
98 100

100 69.8 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: 57.804 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

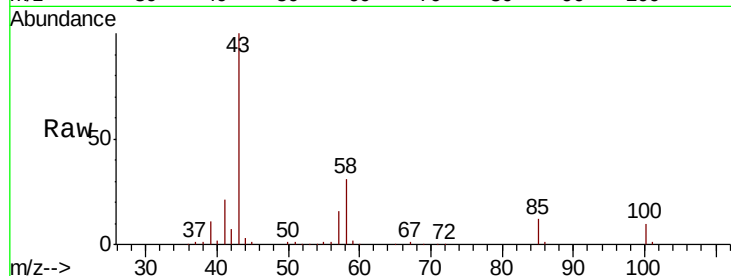
VSTDIC010

Tot Ion: 43 Resp: 456469

Ion Ratio Lower Upper

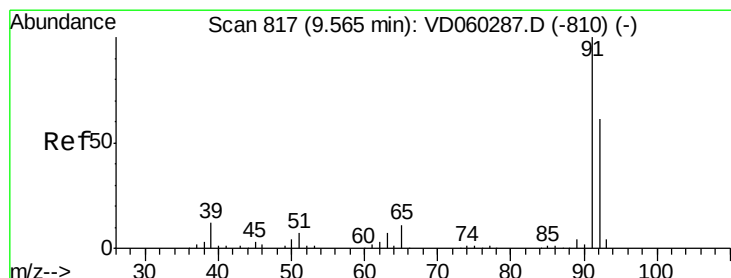
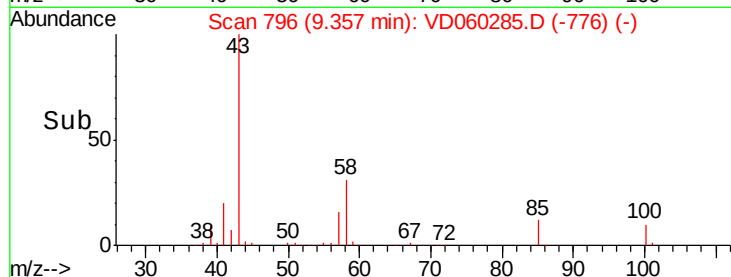
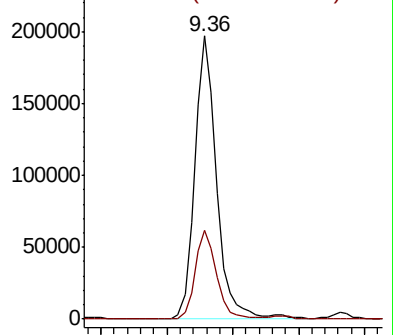
43 100

58 31.3 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: 11.058 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060285.D

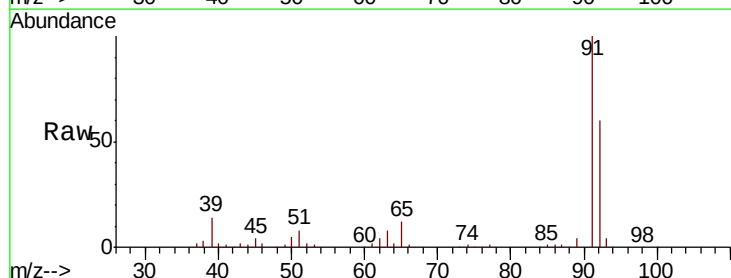
Acq: 6 Nov 2018 11:35

Tgt Ion: 92 Resp: 392119

Ion Ratio Lower Upper

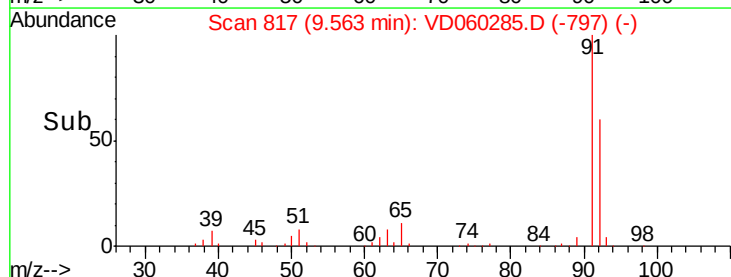
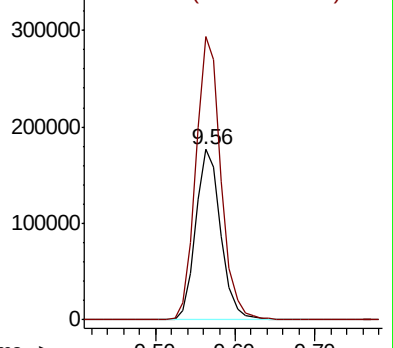
92 100

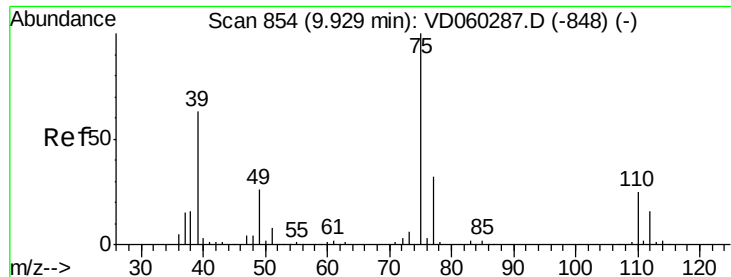
91 166.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

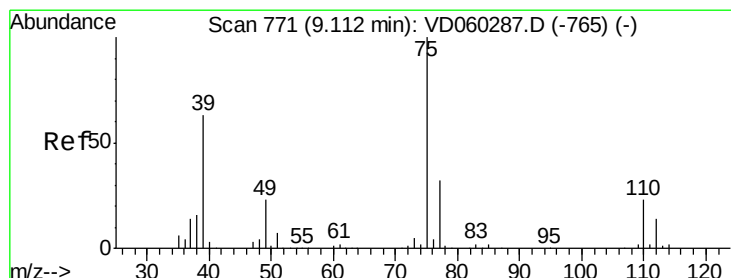
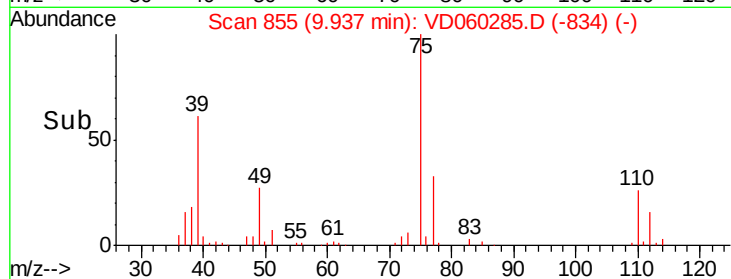
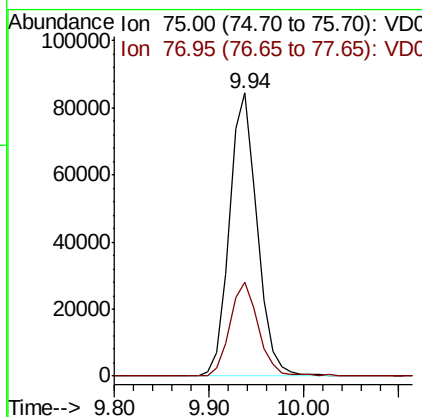
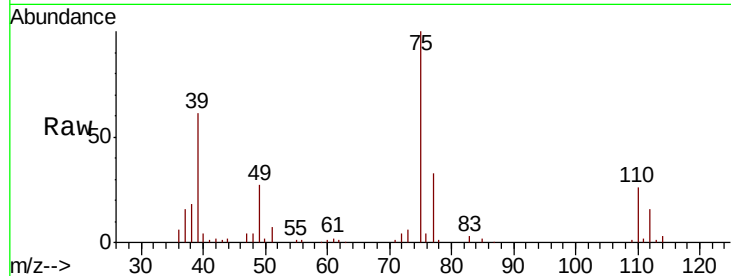




#53
 t-1,3-Dichloropropene
 Concen: 10.687 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

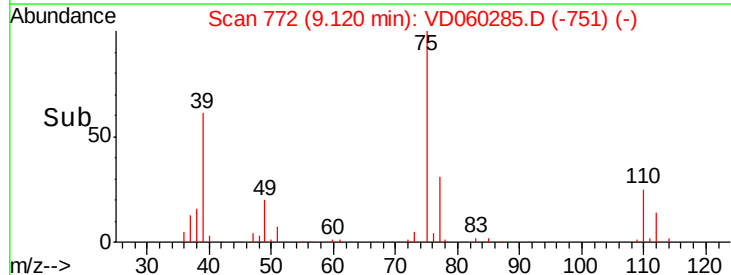
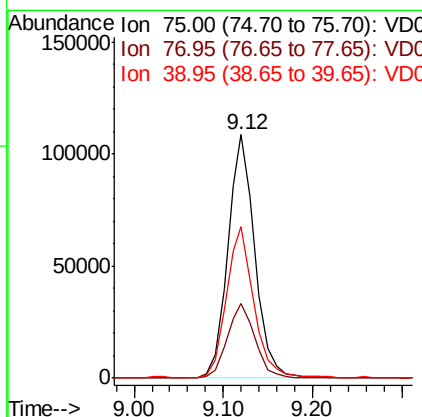
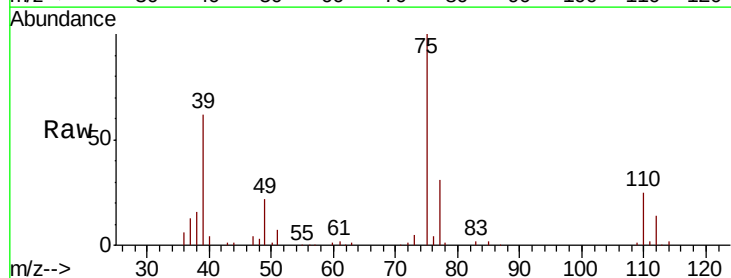
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

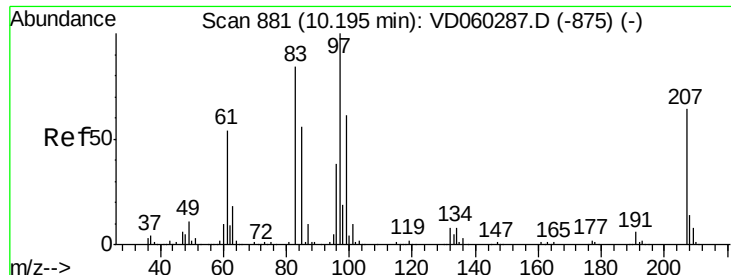
Tot Ion: 75 Resp: 171044
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 10.990 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 229515
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.3 39.5
 39 62.1 50.8 76.2

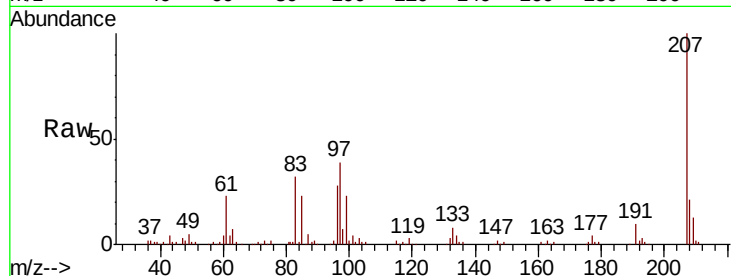




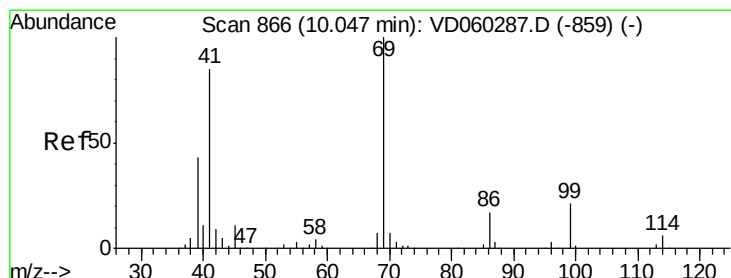
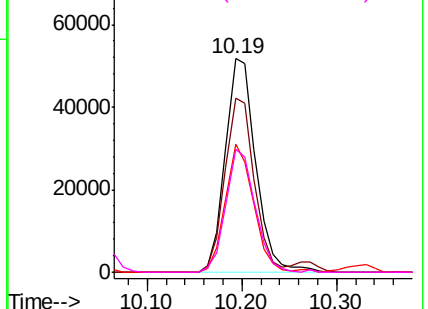
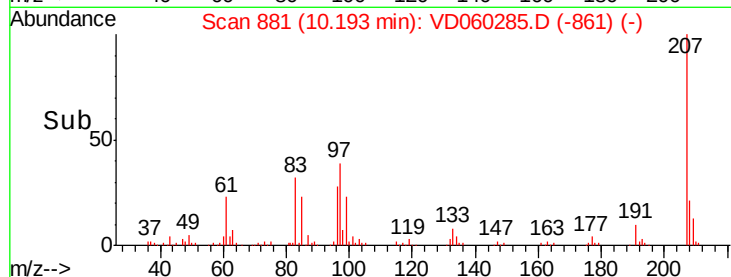
#55
 1,1,2-Trichloroethane
 Concen: 11.644 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	115515
Ion	Ratio	Lower	Upper
97	100		
83	81.7	68.4	102.6
85	59.8	46.8	70.2
99	57.3	49.5	74.3

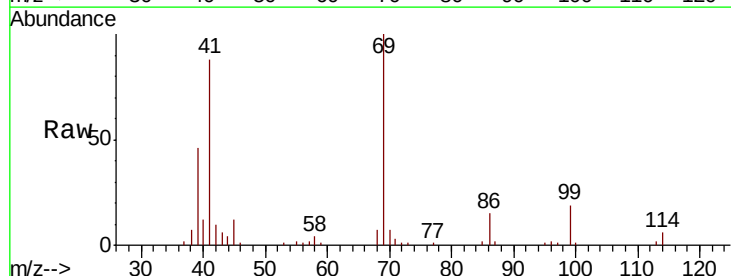


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

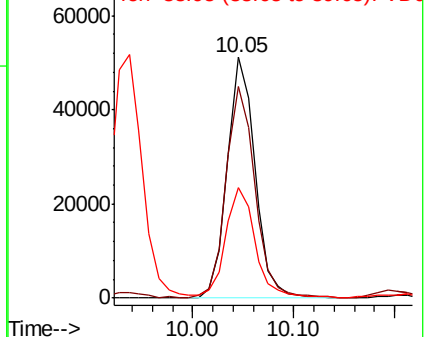
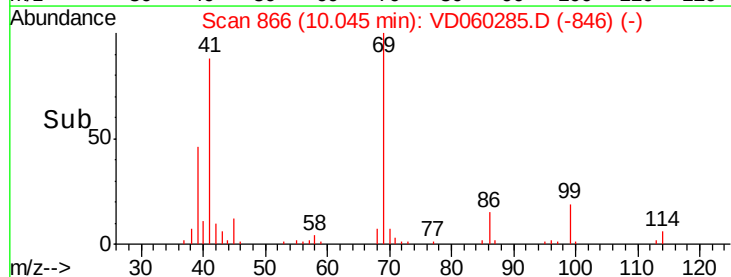


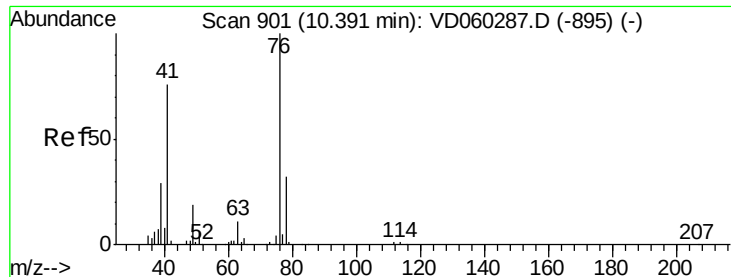
#56
 Ethyl methacrylate
 Concen: 10.416 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion:	69	Resp:	98230
Ion	Ratio	Lower	Upper
69	100		
41	87.9	69.0	103.4
39	46.0	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: 11.138 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

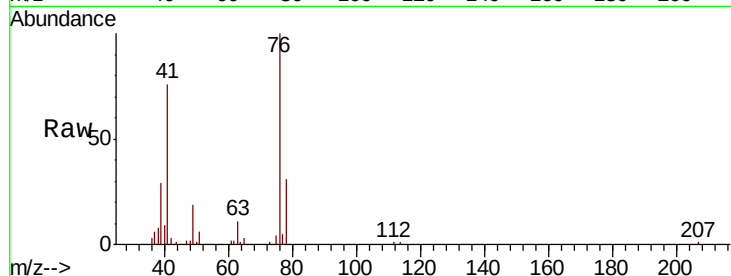
VSTDIC010

Tot Ion: 76 Resp: 168847

Ion Ratio Lower Upper

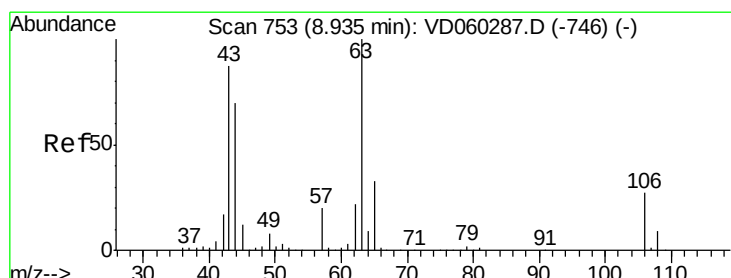
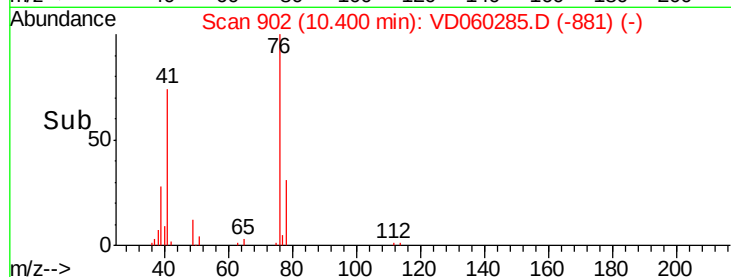
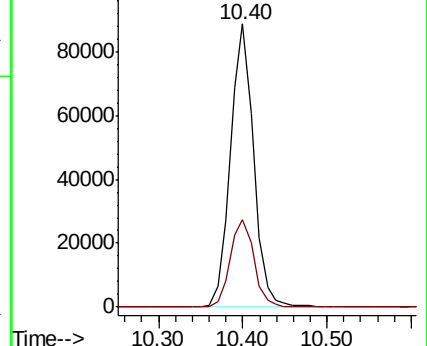
76 100

78 30.8 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 54.355 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060285.D

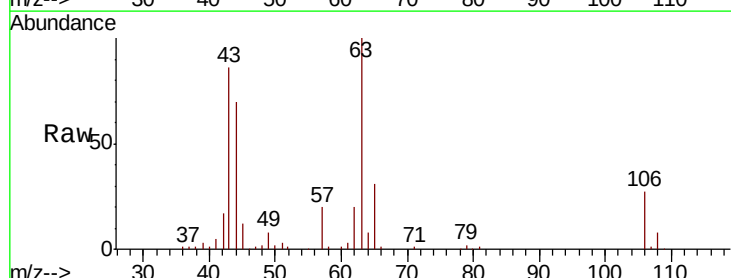
Acq: 6 Nov 2018 11:35

Tgt Ion: 63 Resp: 303053

Ion Ratio Lower Upper

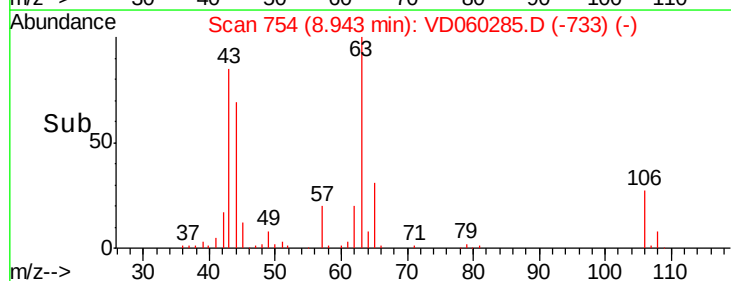
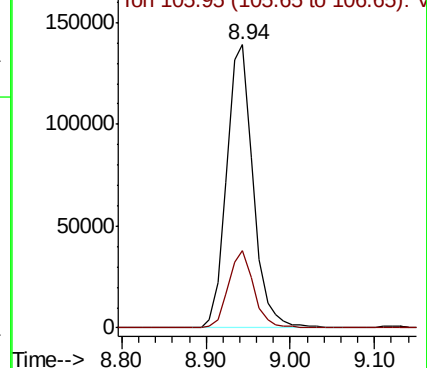
63 100

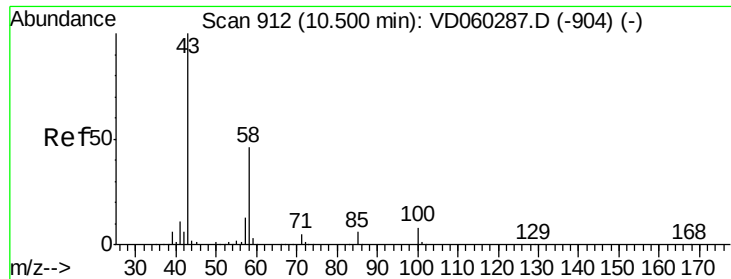
106 27.2 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

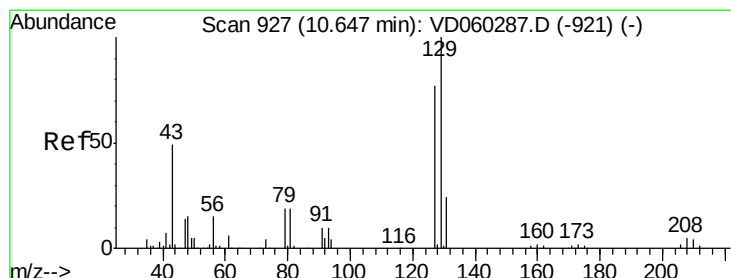
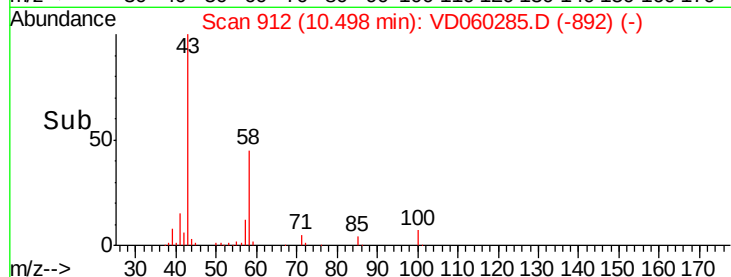
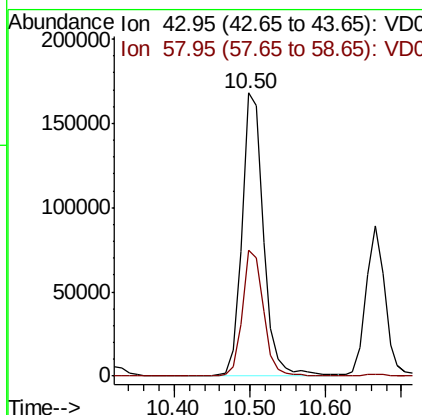
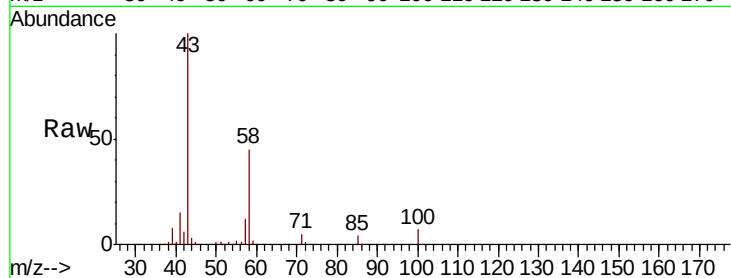




#59
2-Hexanone
Concen: 56.820 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

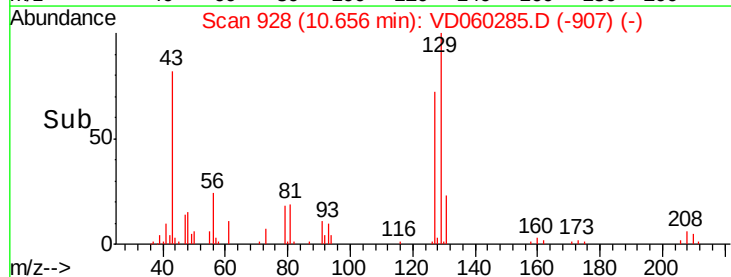
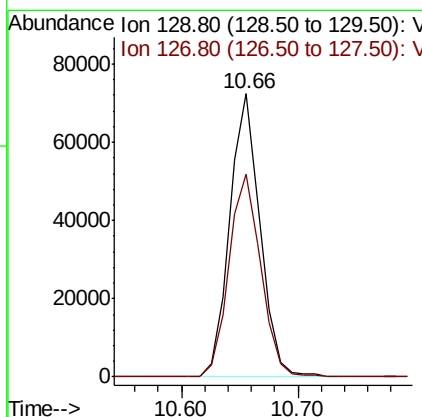
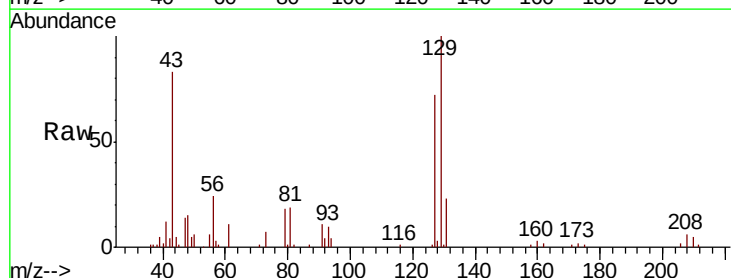
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

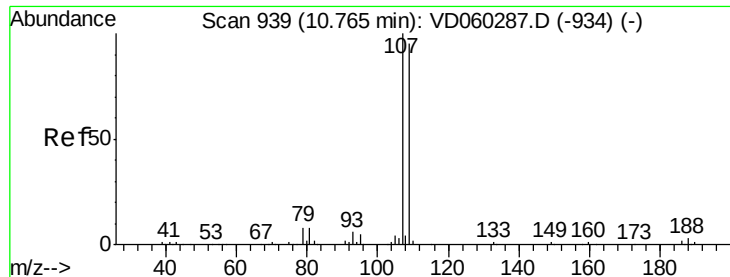
Tot Ion: 43 Resp: 330467
Ion Ratio Lower Upper
43 100
58 44.5 22.9 68.5



#60
Dibromochloromethane
Concen: 10.315 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 129 Resp: 129718
Ion Ratio Lower Upper
129 100
127 71.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 11.073 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

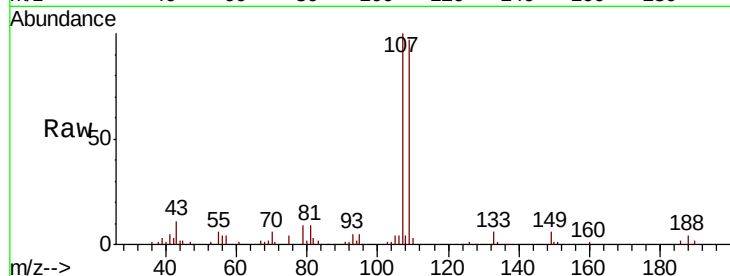
VSTDIC010

Tot Ion:107 Resp: 111453

Ion Ratio Lower Upper

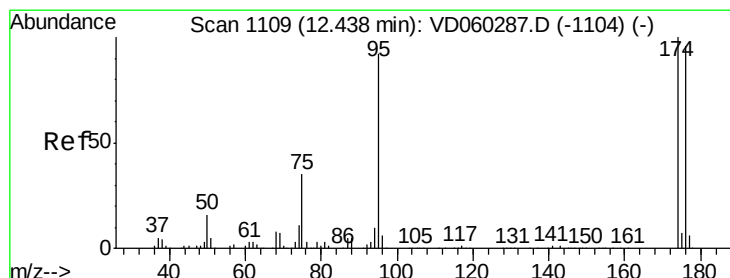
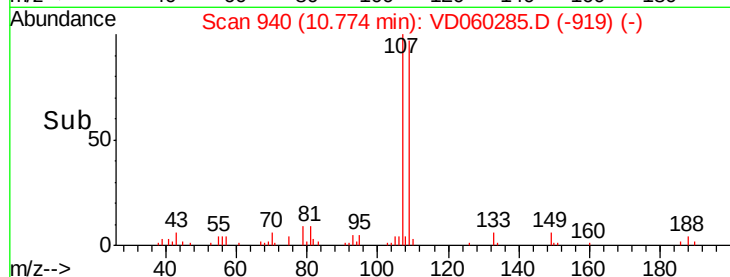
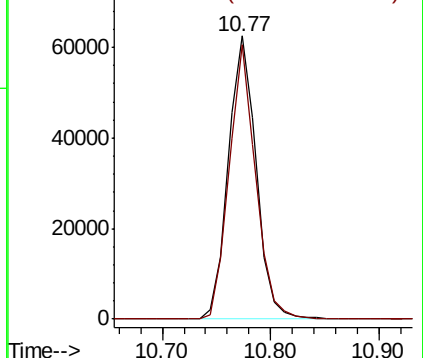
107 100

109 96.9 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: 11.073 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

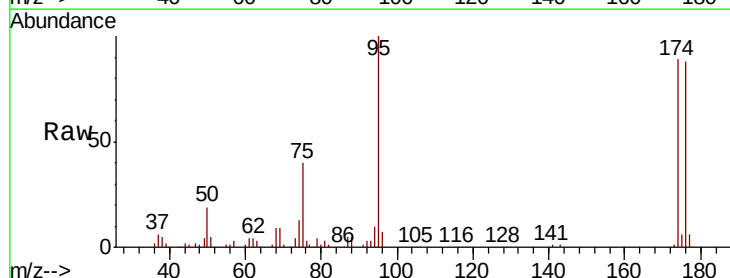
Tgt Ion: 95 Resp: 194356

Ion Ratio Lower Upper

95 100

174 88.9 0.0 160.8

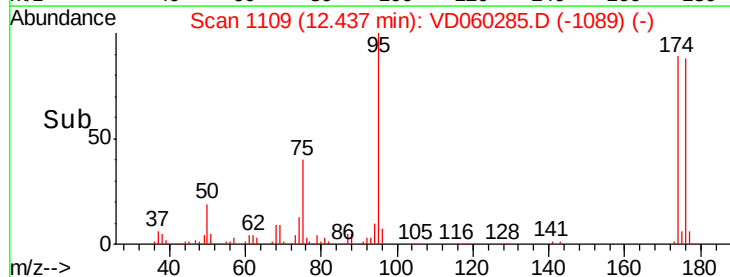
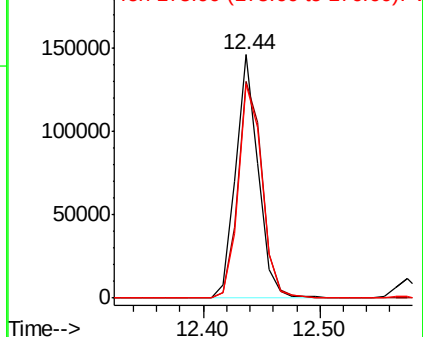
176 87.9 0.0 154.6

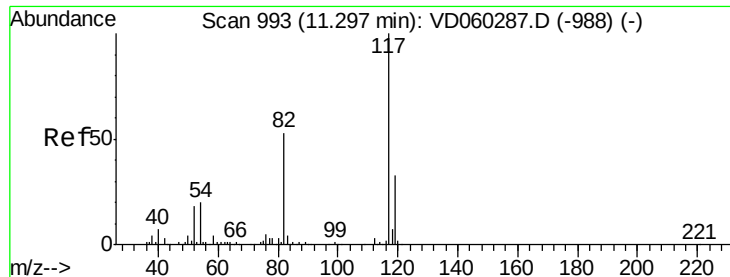


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

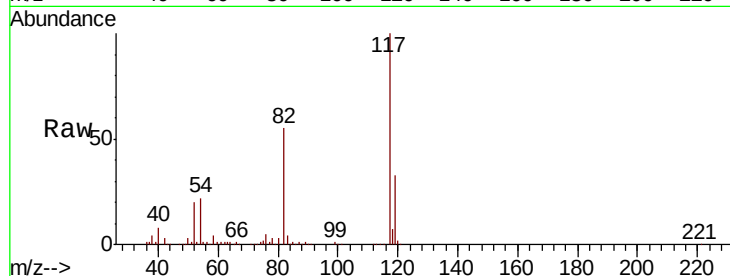




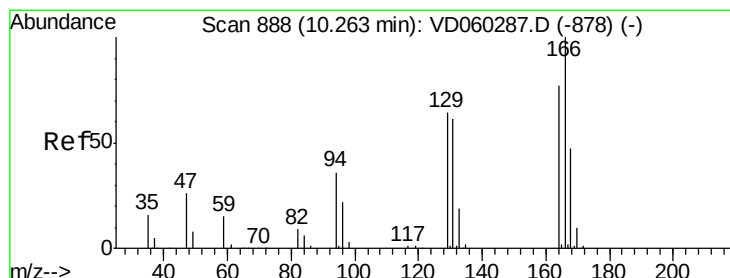
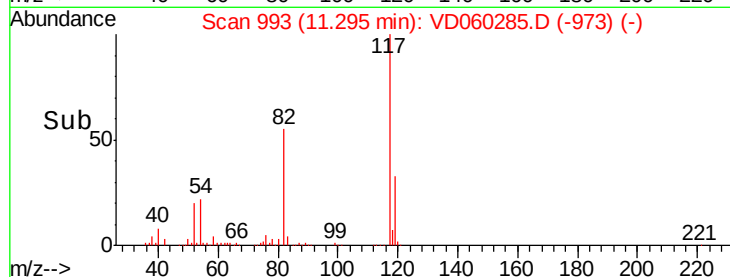
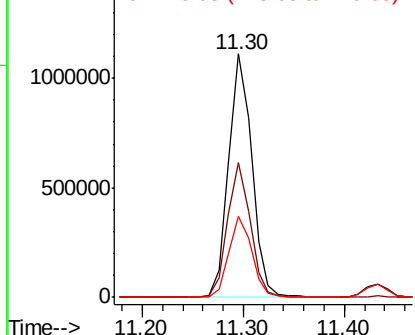
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 1772109
Ion Ratio Lower Upper
117 100
82 55.3 43.7 65.5
119 33.0 26.1 39.1

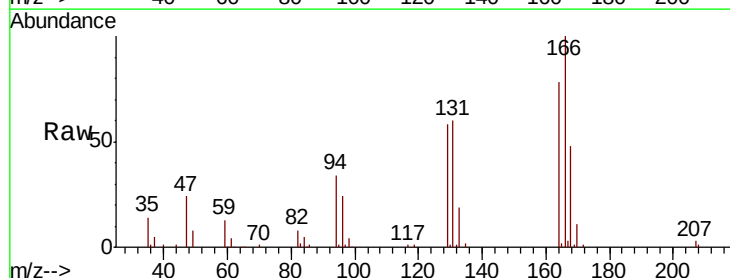


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

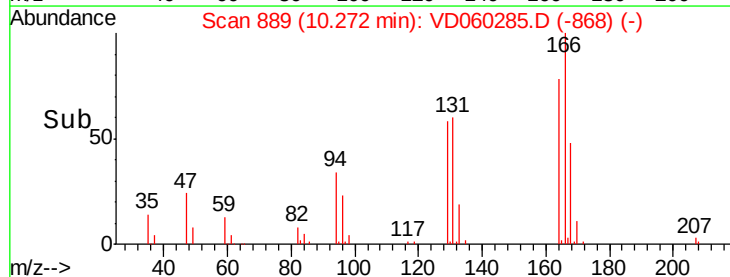
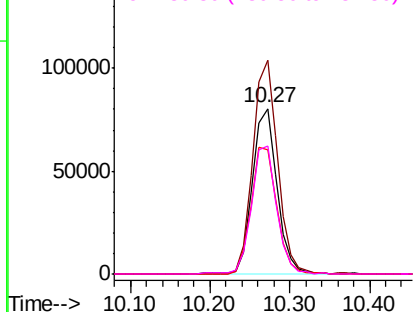


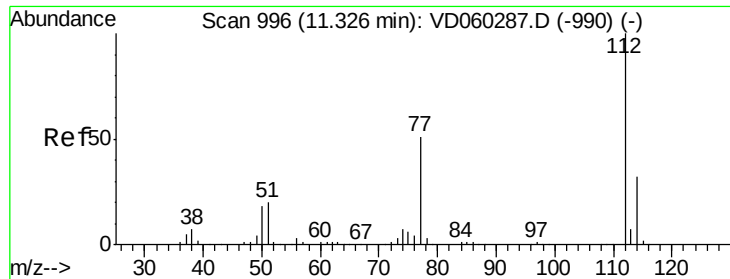
#64
Tetrachloroethene
Concen: 10.944 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion:164 Resp: 169940
Ion Ratio Lower Upper
164 100
166 129.0 103.7 155.5
129 74.8 65.6 98.4
131 77.4 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55): V
150000 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

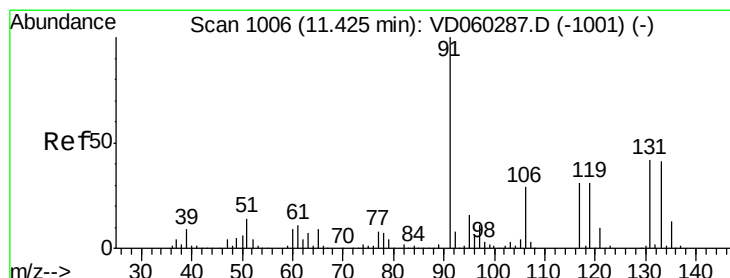
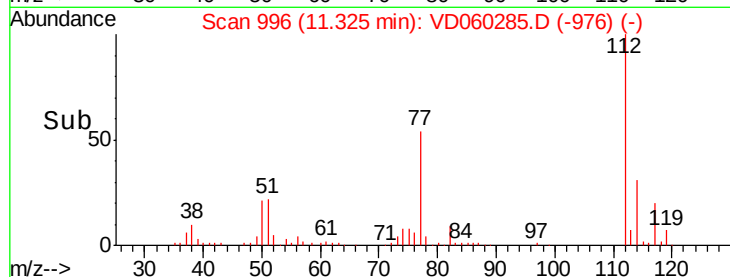
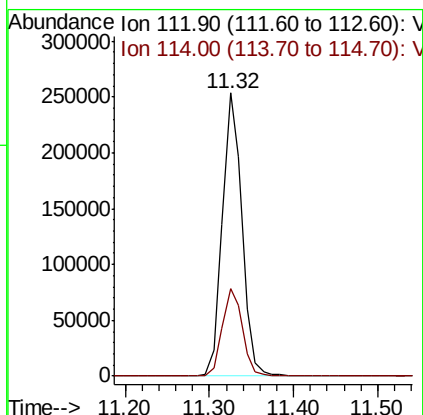
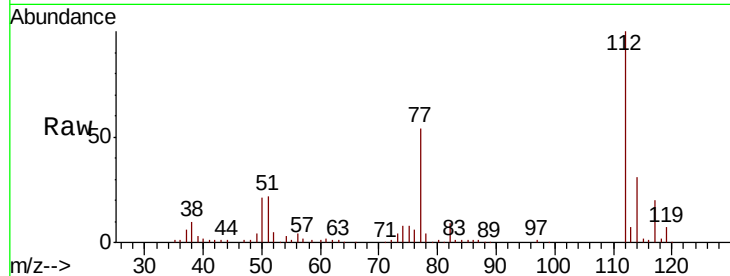




#65
Chlorobenzene
Concen: 10.750 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

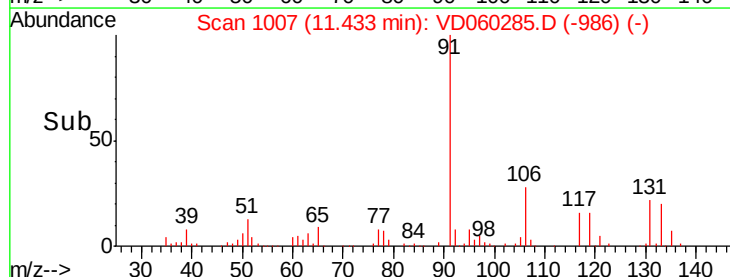
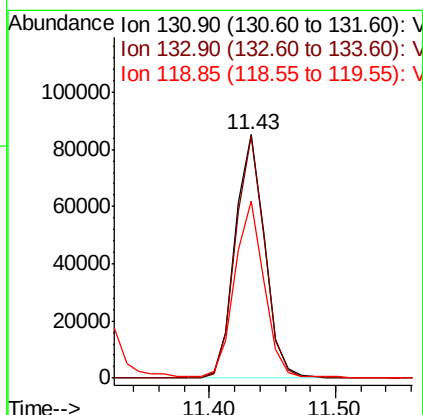
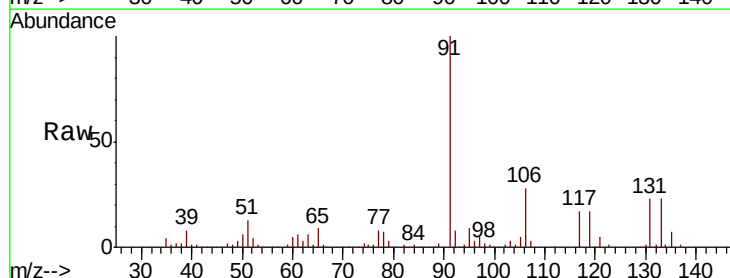
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

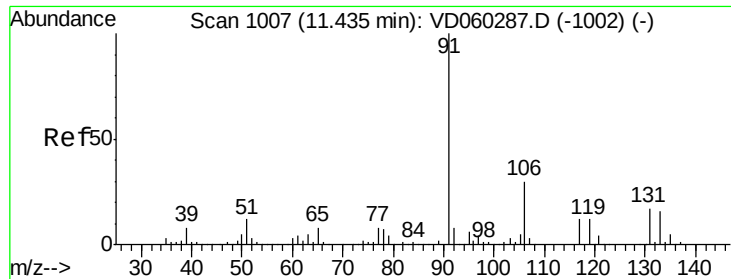
Tot Ion:112 Resp: 408205
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 10.932 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion:131 Resp: 136969
Ion Ratio Lower Upper
131 100
133 99.7 50.0 150.0
119 72.5 37.0 111.1

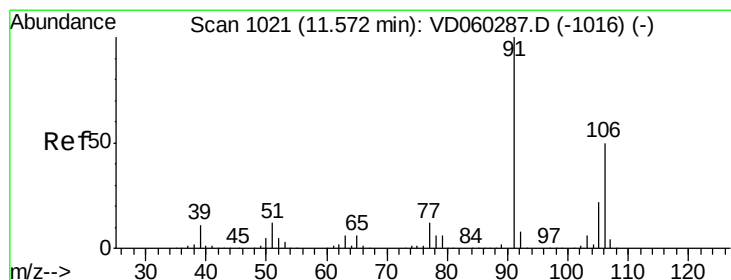
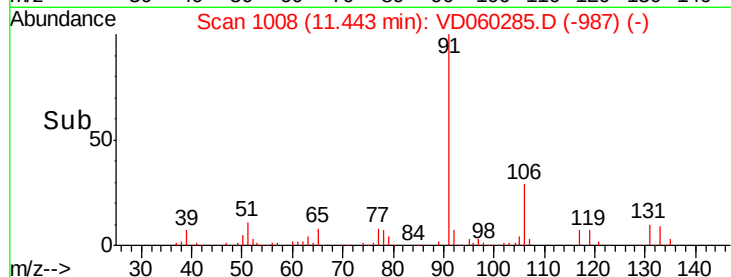
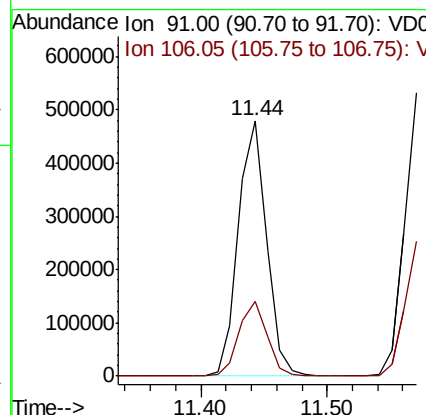
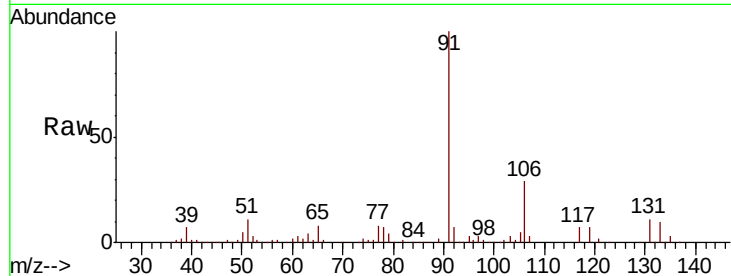




#67
Ethyl Benzene
Concen: 11.427 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

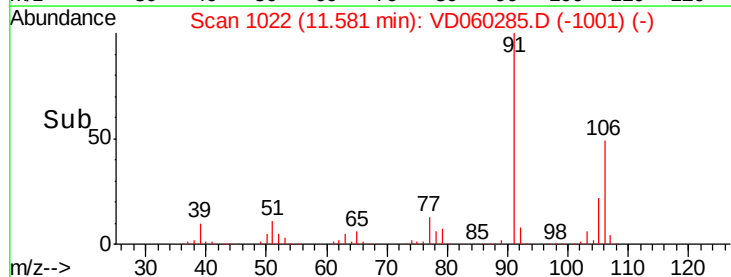
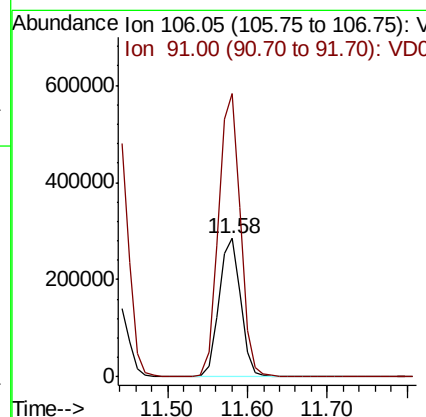
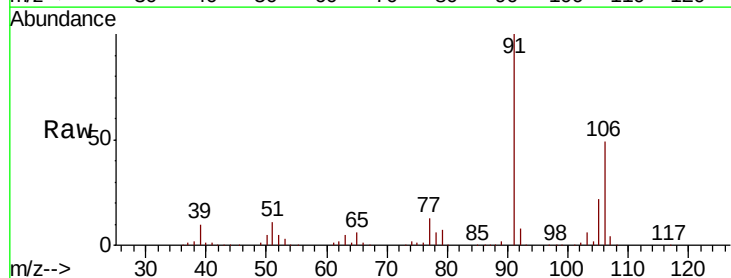
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

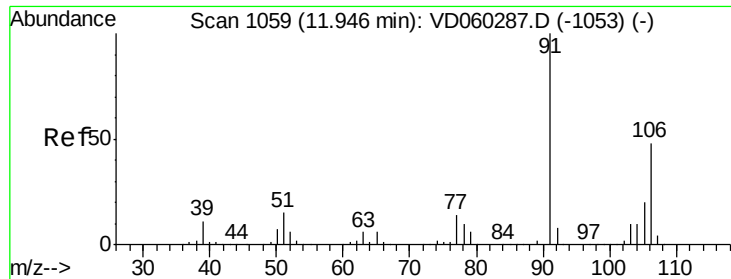
Tot Ion: 91 Resp: 740909
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8



#68
m/p-Xylenes
Concen: 22.884 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 106 Resp: 547692
Ion Ratio Lower Upper
106 100
91 204.4 159.4 239.2

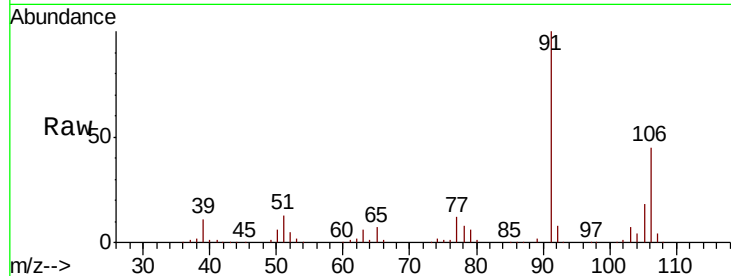




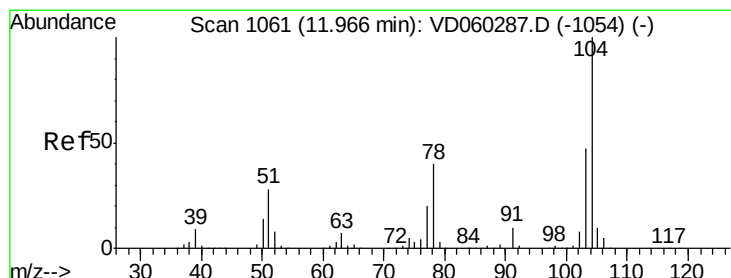
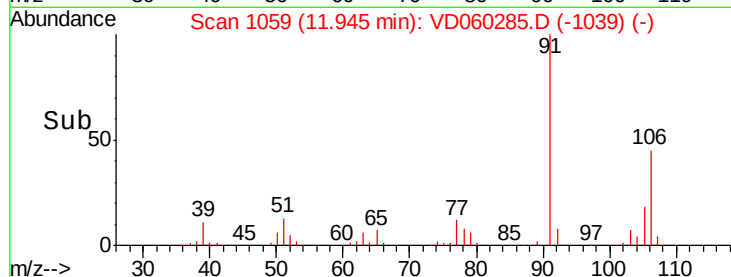
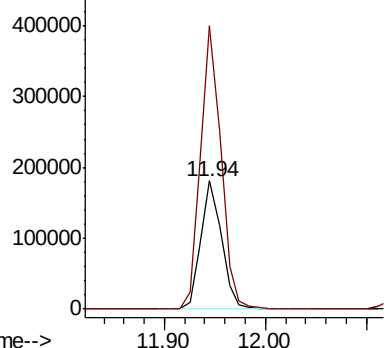
#69
o-Xylene
Concen: 11.062 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 257232
Ion Ratio Lower Upper
106 100
91 220.9 109.2 327.6

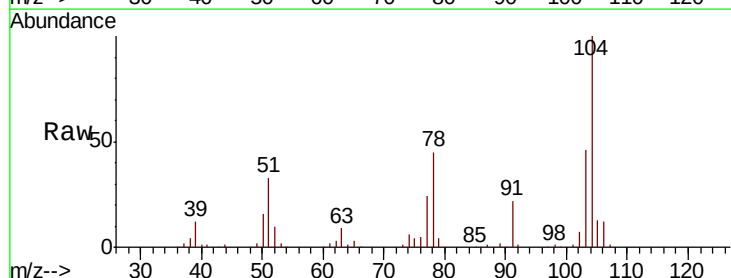


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

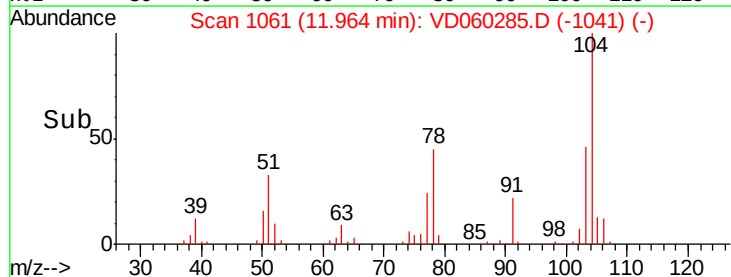
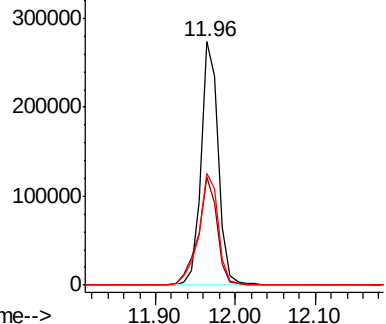


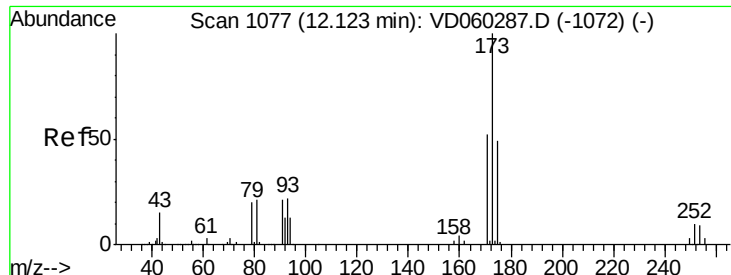
#70
Styrene
Concen: 11.135 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion:104 Resp: 416967
Ion Ratio Lower Upper
104 100
78 44.6 31.6 47.4
103 46.1 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

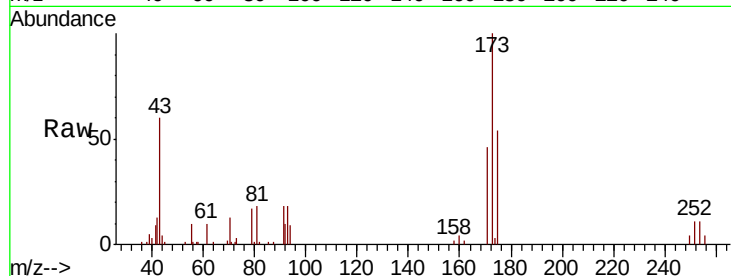




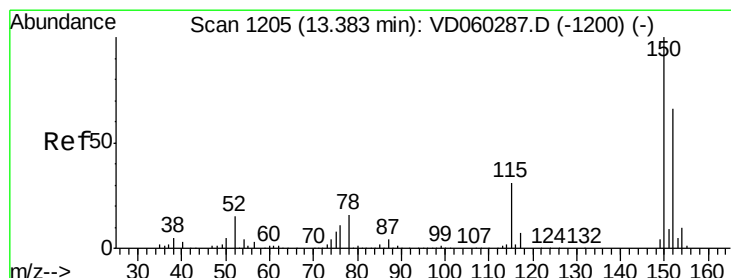
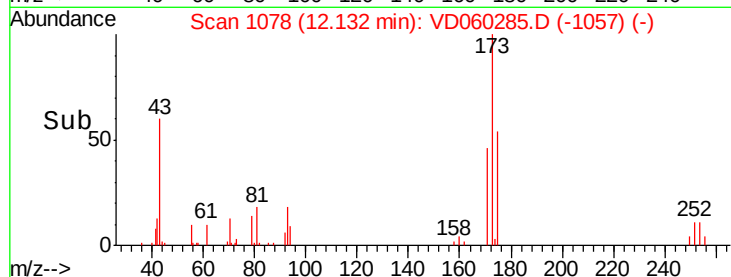
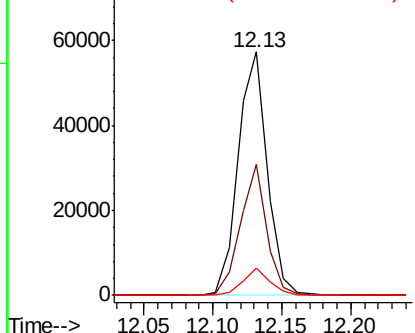
#71
Bromoform
Concen: 10.484 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 84190
Ion Ratio Lower Upper
173 100
175 53.9 24.3 73.0
254 11.0 8.3 12.5

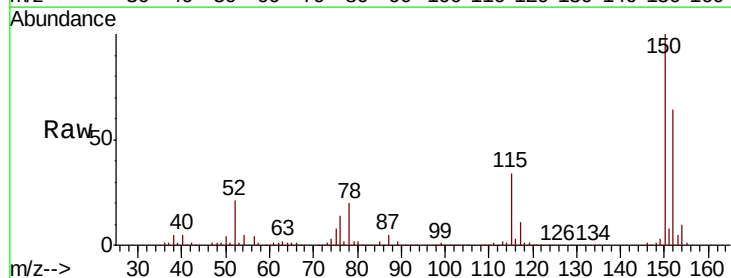


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

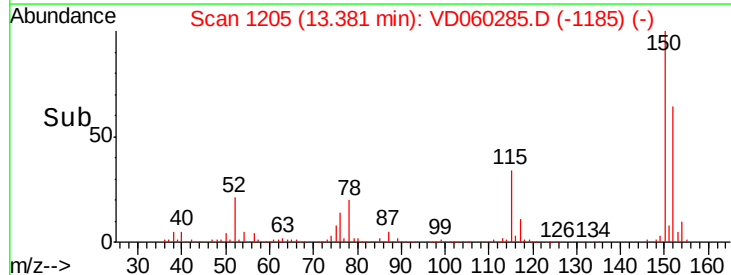
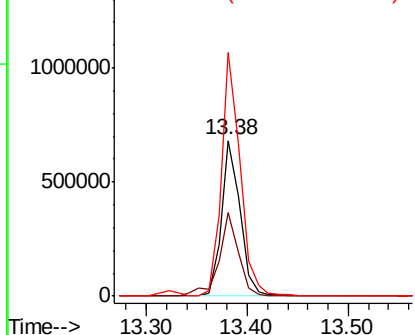


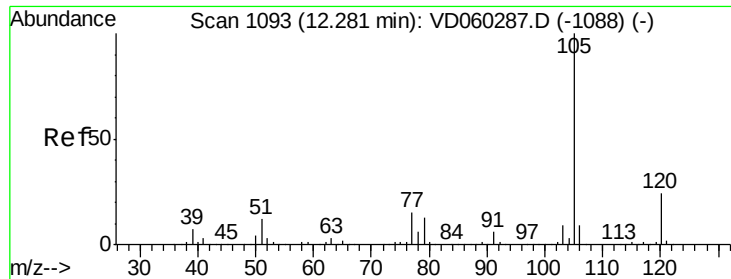
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion:152 Resp: 882069
Ion Ratio Lower Upper
152 100
115 53.9 24.1 72.3
150 156.7 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: 11.684 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

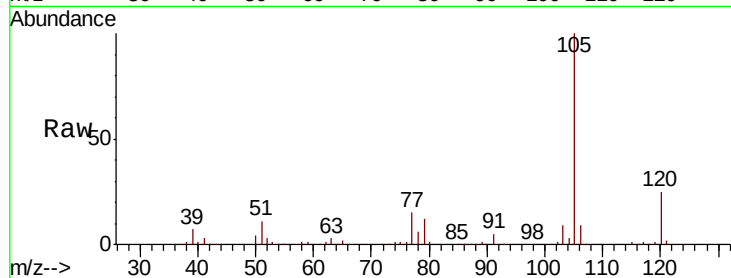
VSTDIC010

Tot Ion:105 Resp: 726836

Ion Ratio Lower Upper

105 100

120 24.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.29

600000

500000

400000

300000

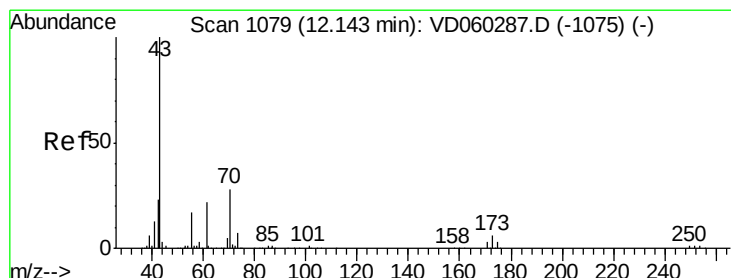
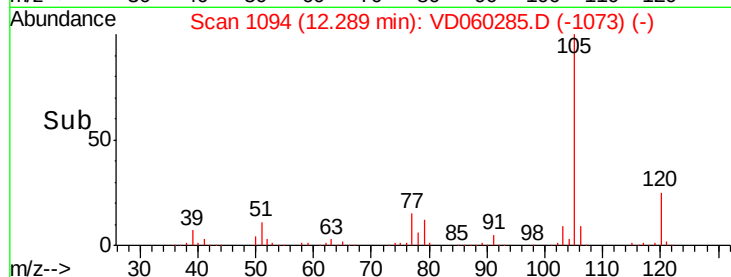
200000

100000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 11.007 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Tgt Ion: 43 Resp: 173791

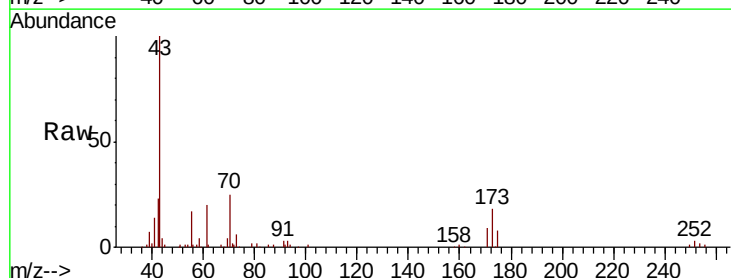
Ion Ratio Lower Upper

43 100

70 25.5 23.0 34.4

55 17.5 14.2 21.4

61 20.4 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

200000

150000

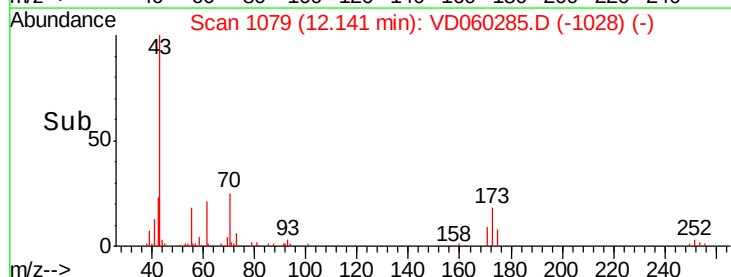
100000

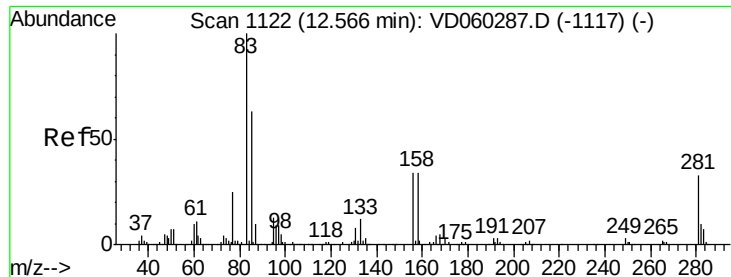
50000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 11.130 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

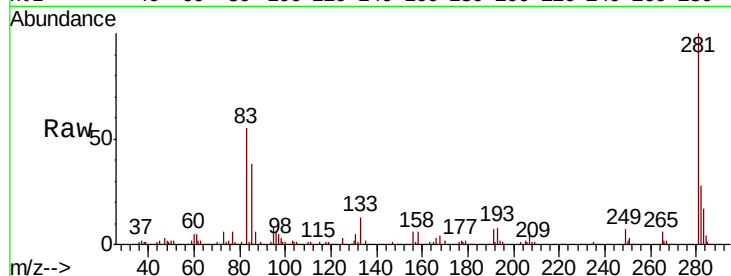
Tot Ion: 83 Resp: 111738

Ion Ratio Lower Upper

83 100

131 9.8 3.9 11.5

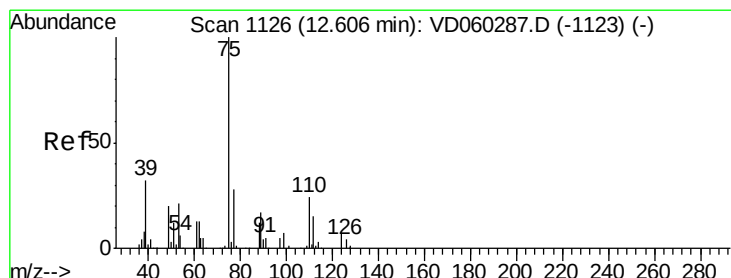
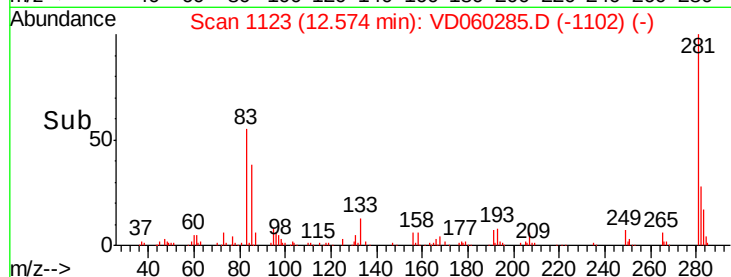
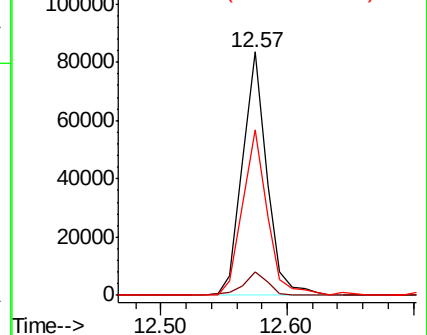
85 68.1 32.0 96.0



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: 11.728 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060285.D

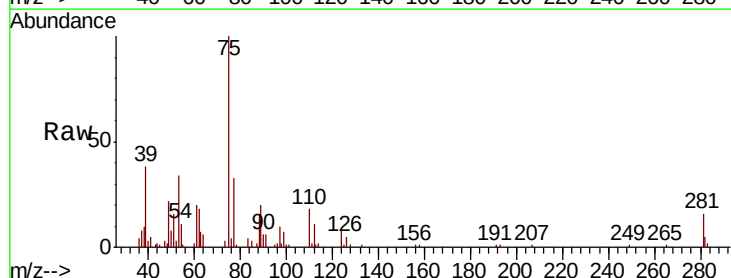
Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 117443

Ion Ratio Lower Upper

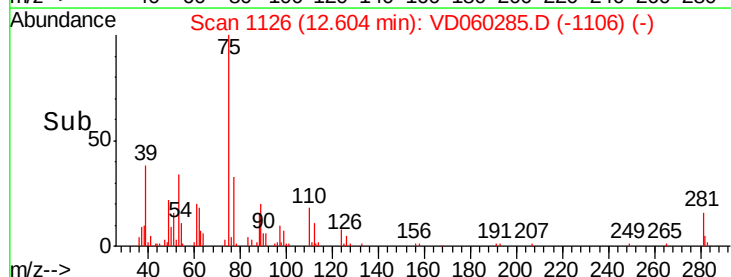
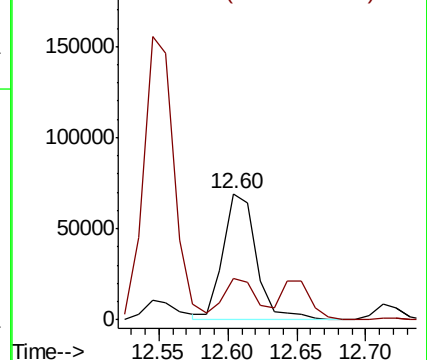
75 100

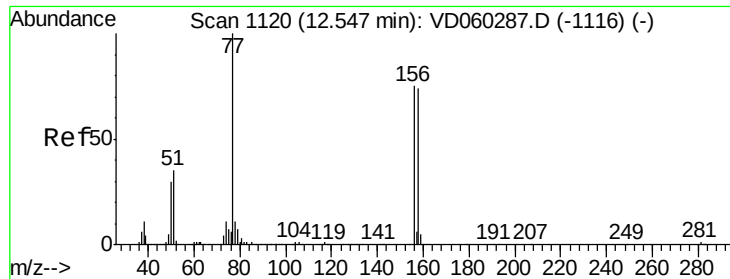
77 33.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.818 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

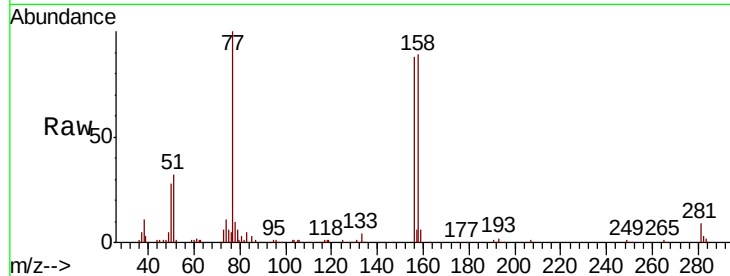
Tot Ion:156 Resp: 179739

Ion Ratio Lower Upper

156 100

77 113.8 61.2 183.6

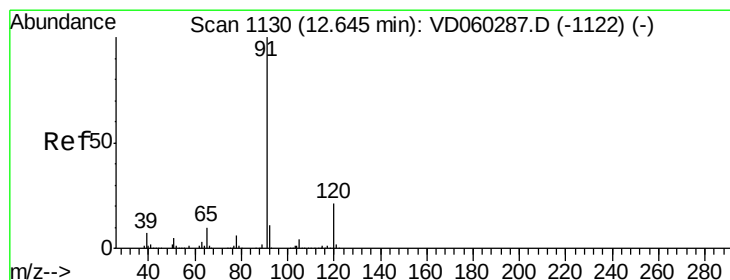
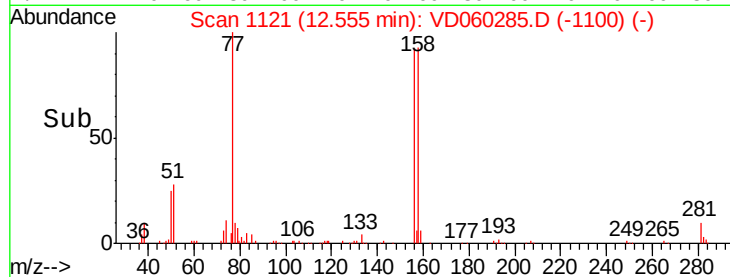
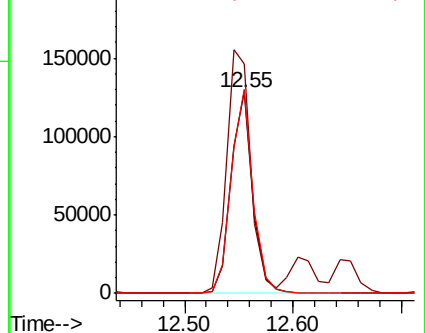
158 101.5 49.2 147.6



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: 11.886 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060285.D

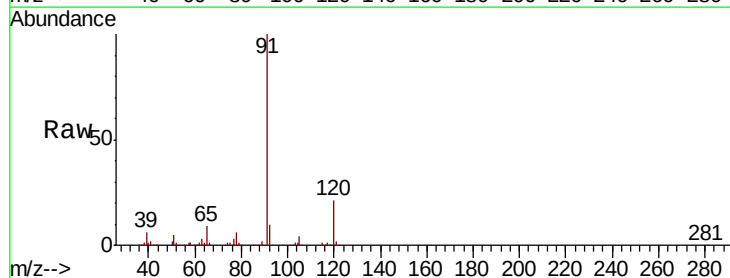
Acq: 6 Nov 2018 11:35

Tgt Ion: 91 Resp: 929534

Ion Ratio Lower Upper

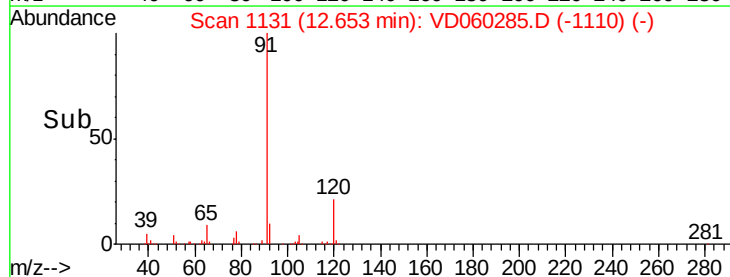
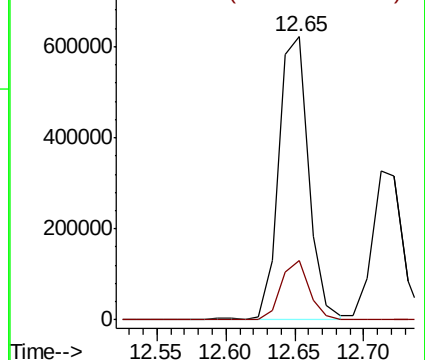
91 100

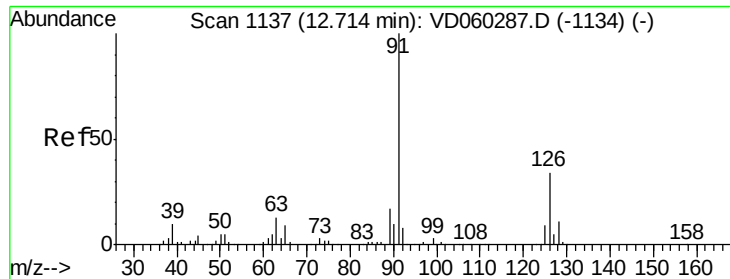
120 21.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

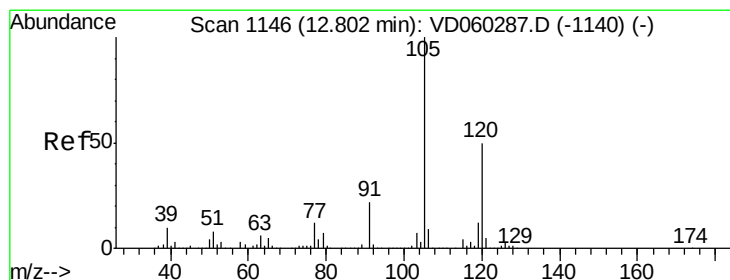
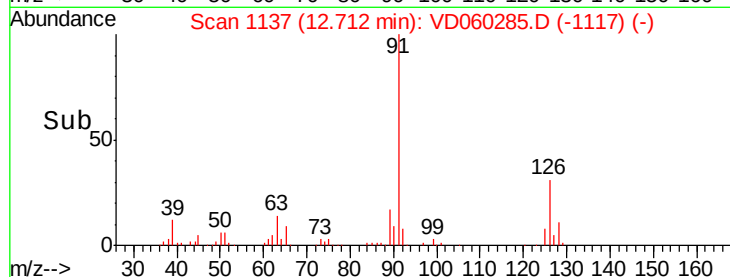
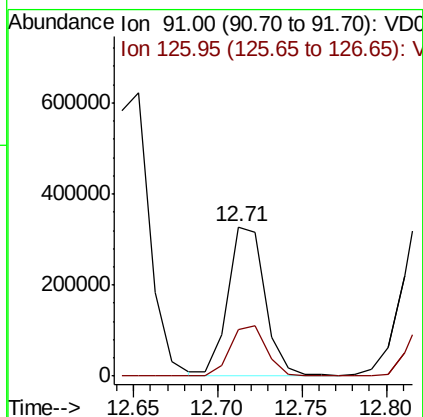
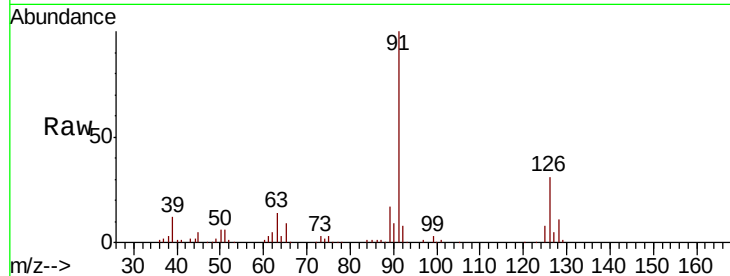




#79
 2-Chlorotoluene
 Concen: 11.583 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

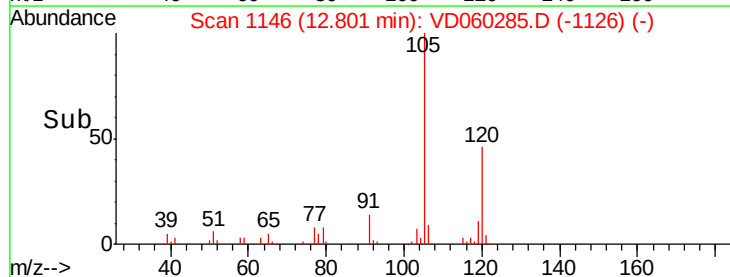
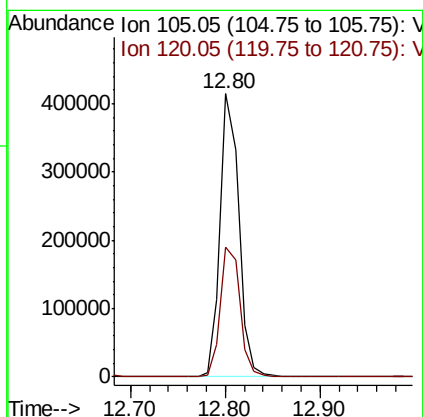
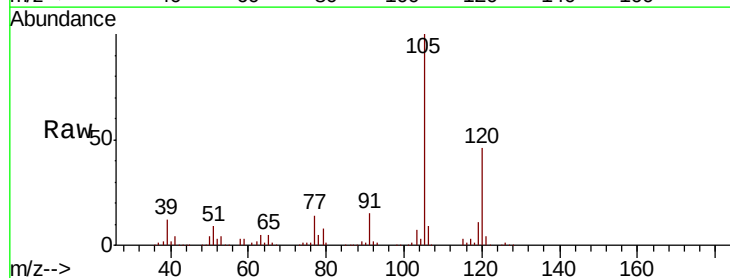
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

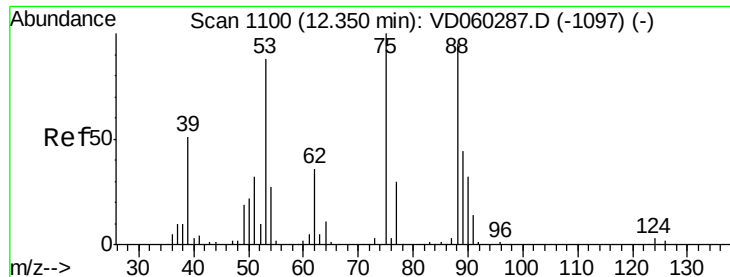
Tot Ion: 91 Resp: 499909
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 11.758 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 105 Resp: 568398
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 10.951 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

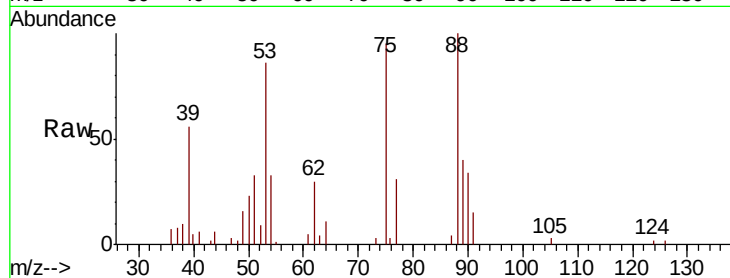
Tot Ion: 75 Resp: 29600

Ion Ratio Lower Upper

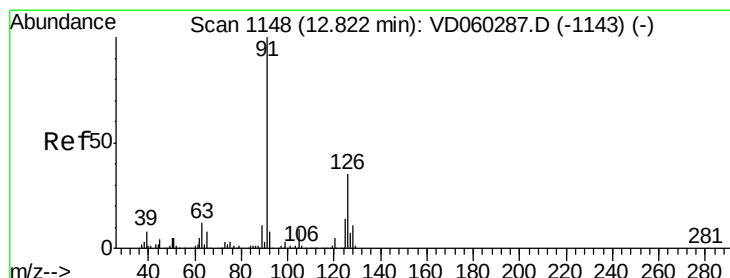
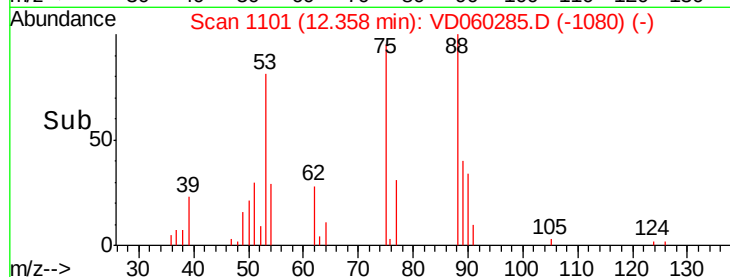
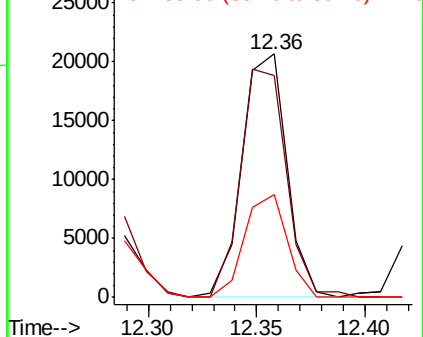
75 100

53 91.0 68.6 103.0

89 42.1 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 11.852 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060285.D

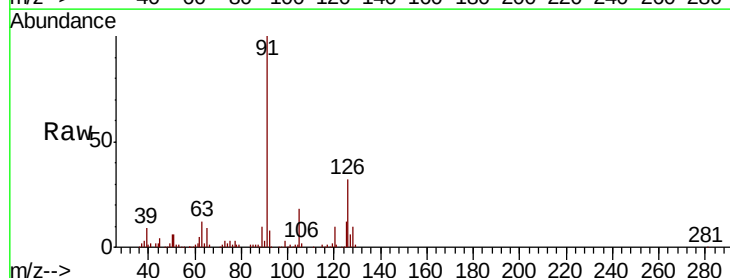
Acq: 6 Nov 2018 11:35

Tgt Ion: 91 Resp: 570706

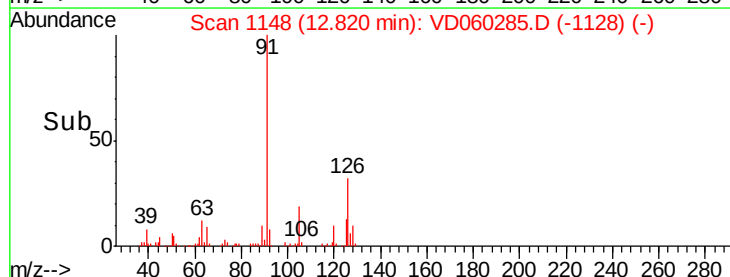
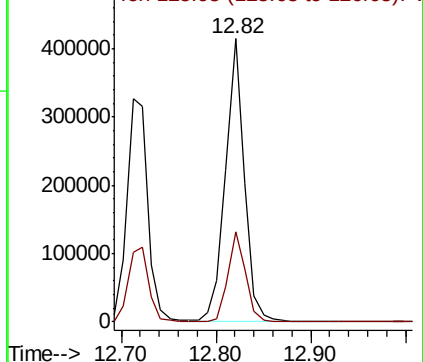
Ion Ratio Lower Upper

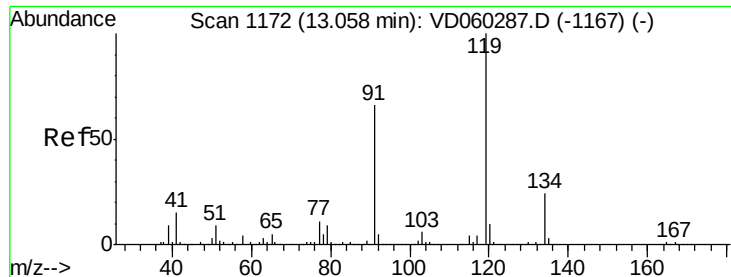
91 100

126 31.6 14.8 44.4



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

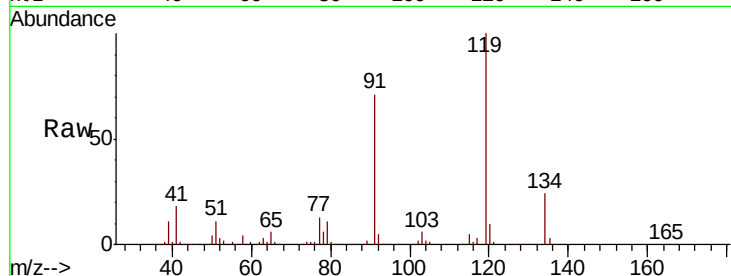




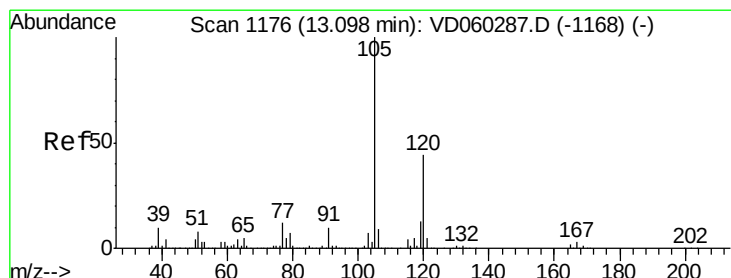
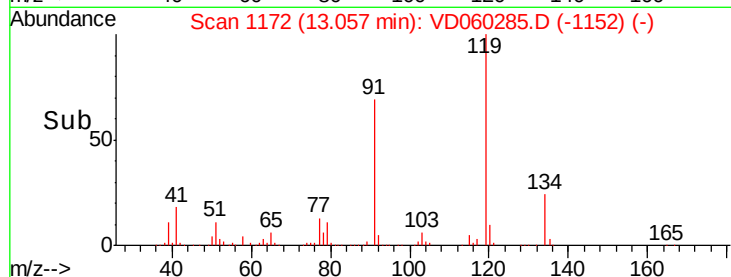
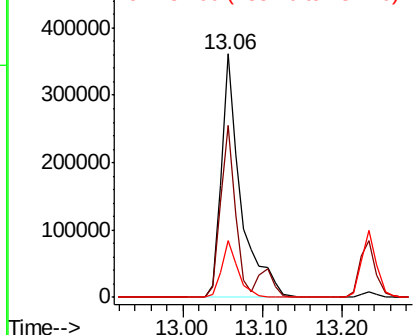
#83
 tert-Butylbenzene
 Concen: 11.531 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:119 Resp: 619668
 Ion Ratio Lower Upper
 119 100
 91 70.7 32.7 98.1
 134 23.6 12.1 36.3

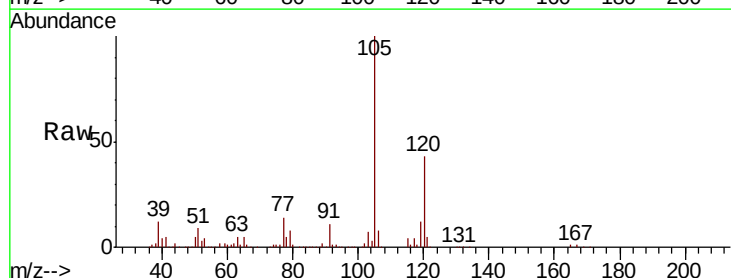


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

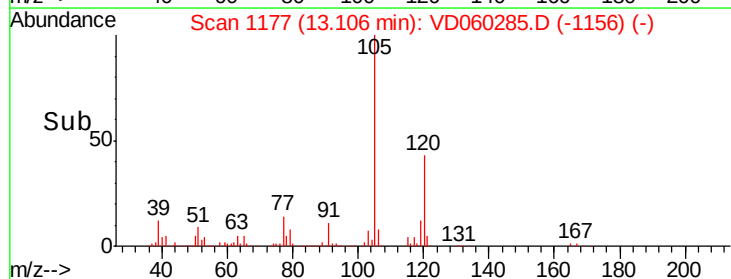
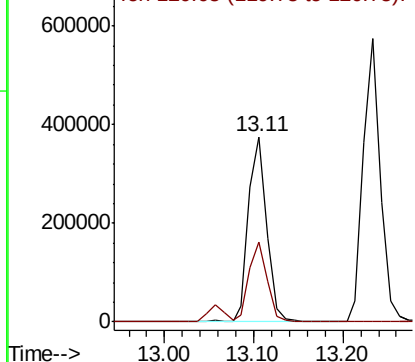


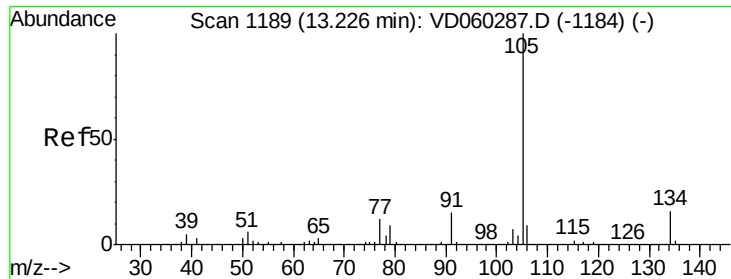
#84
 1,2,4-Trimethylbenzene
 Concen: 10.804 ug/l
 RT: 13.11 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion:105 Resp: 529998
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.8



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





#85

sec-Butylbenzene

Concen: 11.596 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

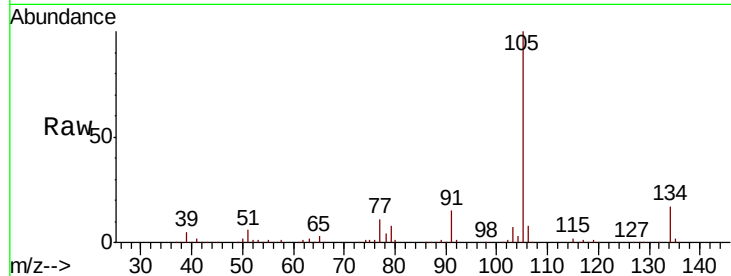
VSTDIC010

Tot Ion:105 Resp: 760111

Ion Ratio Lower Upper

105 100

134 17.4 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.23

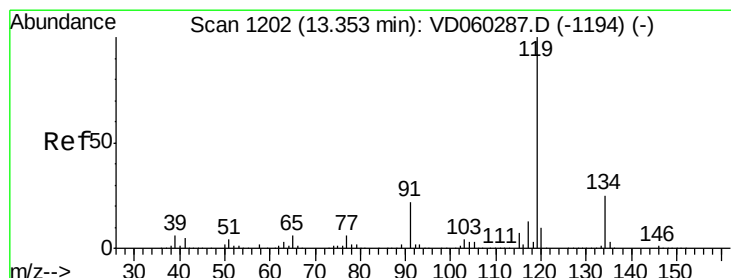
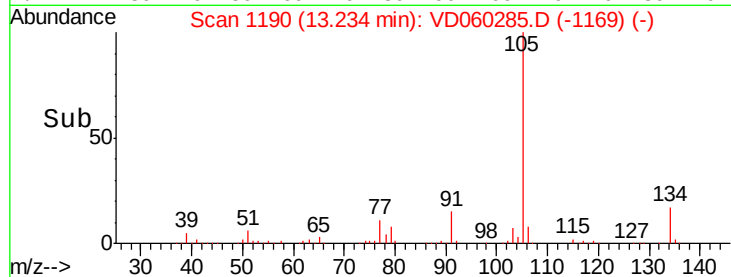
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 12.116 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

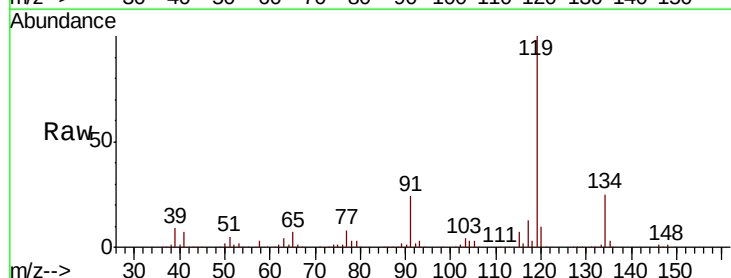
Tgt Ion:119 Resp: 631234

Ion Ratio Lower Upper

119 100

134 24.5 12.9 38.6

91 24.1 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

13.35

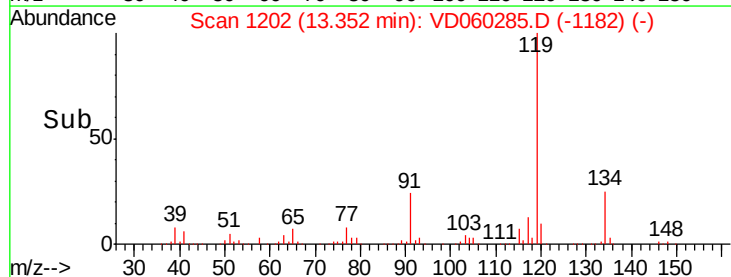
600000

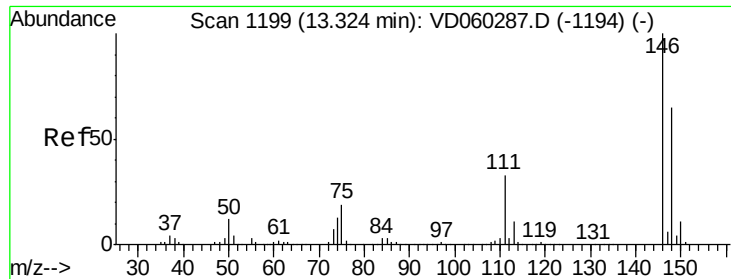
400000

200000

0

Time-->

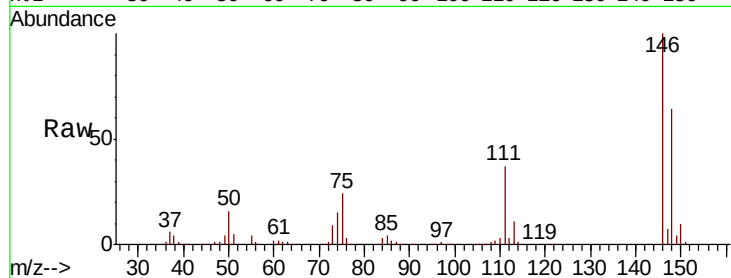




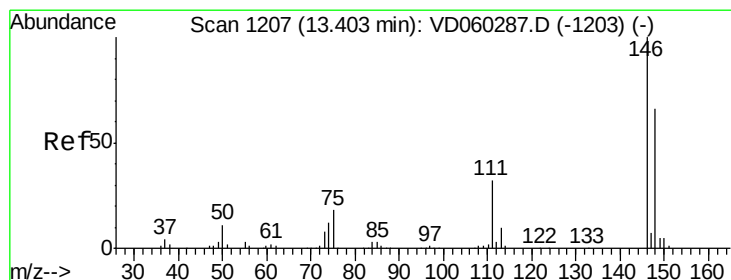
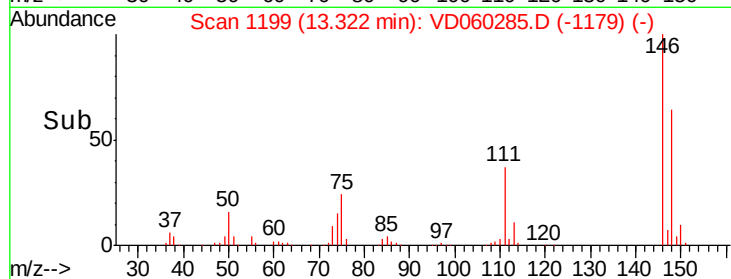
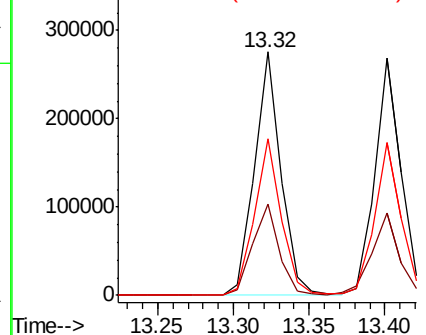
#87
 1,3-Dichlorobenzene
 Concen: 11.387 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 337719
 Ion Ratio Lower Upper
 146 100
 111 37.3 20.2 60.5
 148 64.4 32.0 96.0

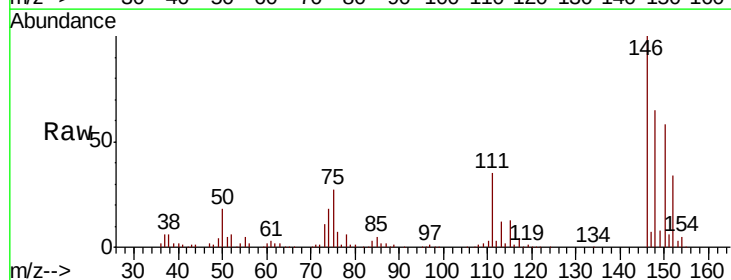


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

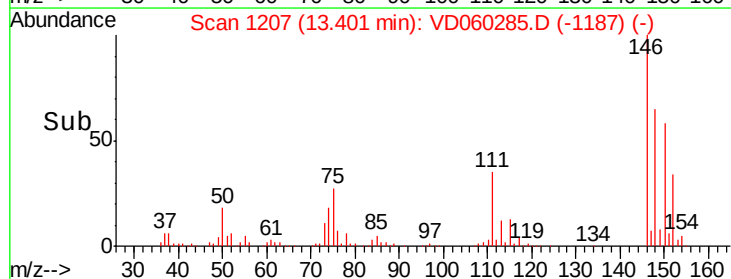
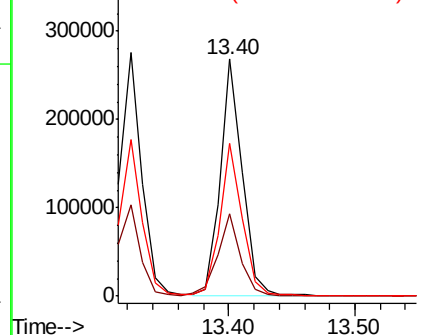


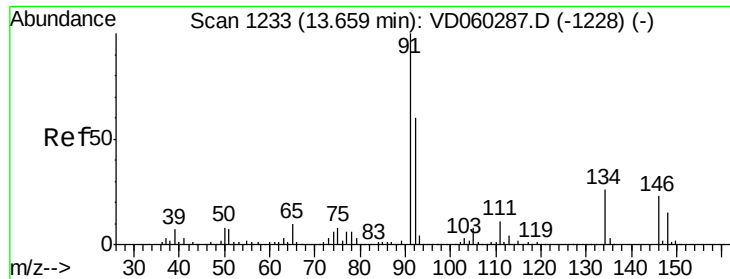
#88
 1,4-Dichlorobenzene
 Concen: 11.281 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion:146 Resp: 326278
 Ion Ratio Lower Upper
 146 100
 111 34.7 16.0 47.9
 148 64.7 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

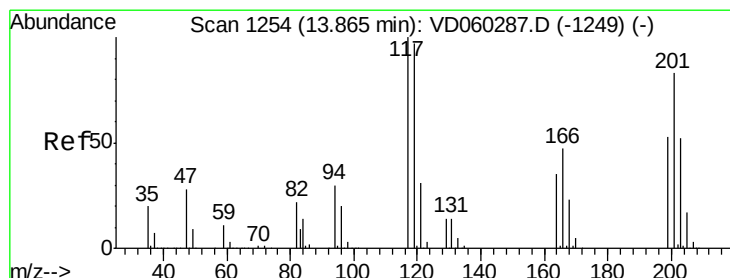
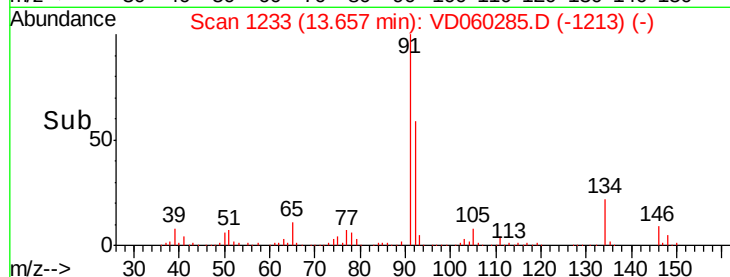
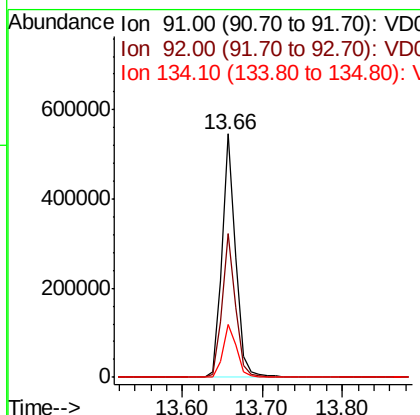
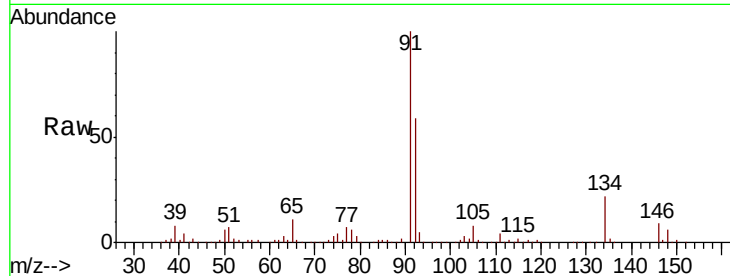




#89
n-Butylbenzene
Concen: 12.393 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

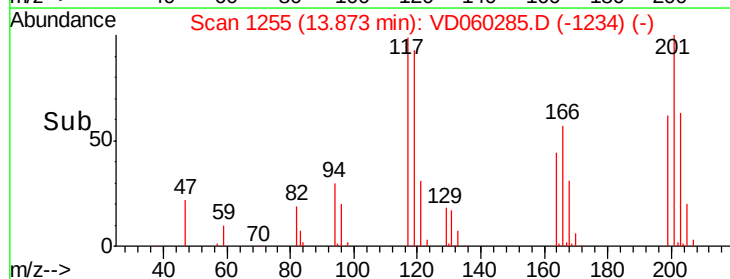
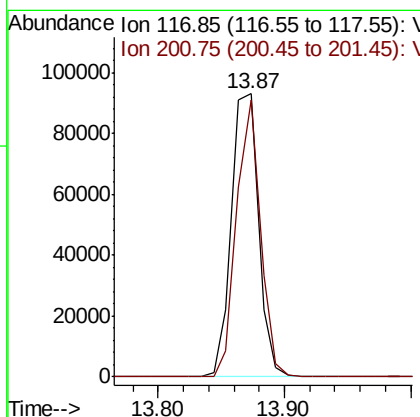
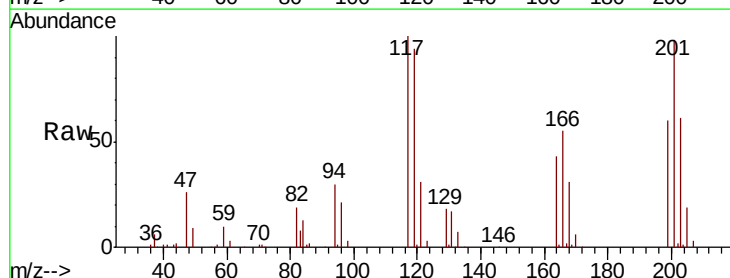
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

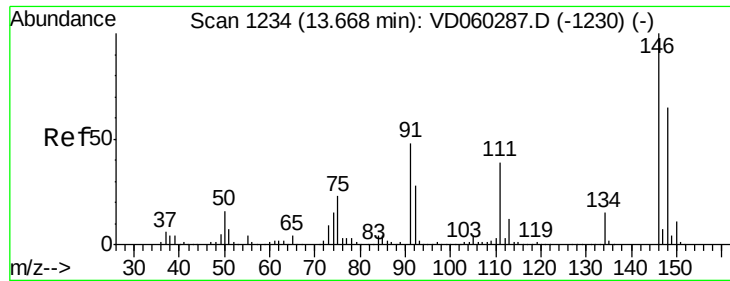
Tot Ion: 91 Resp: 661211
Ion Ratio Lower Upper
91 100
92 59.1 30.3 90.9
134 21.6 13.0 38.9



#90
Hexachloroethane
Concen: 10.908 ug/l
RT: 13.87 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD060285.D
Acq: 6 Nov 2018 11:35

Tgt Ion: 117 Resp: 138376
Ion Ratio Lower Upper
117 100
201 97.7 40.1 120.3

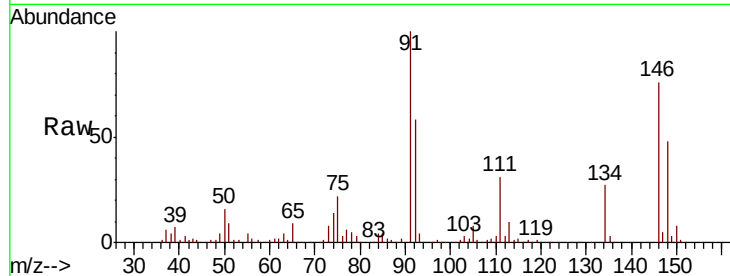




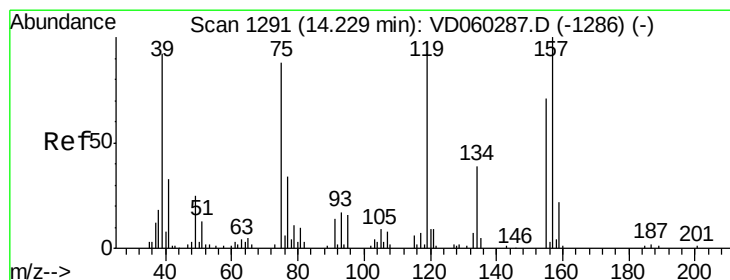
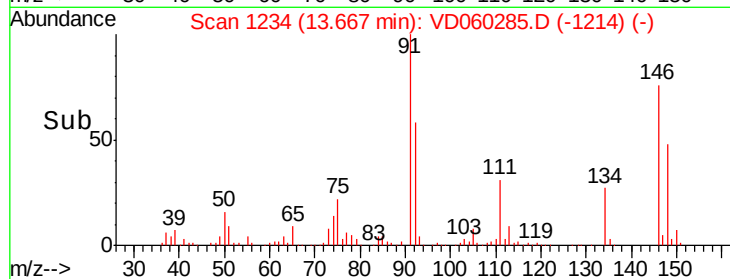
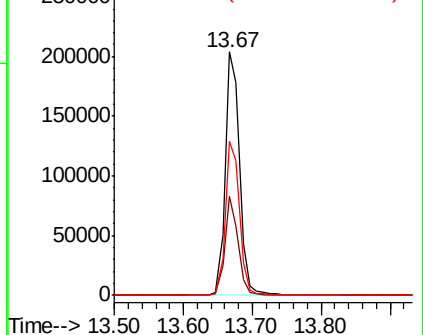
#91
 1,2-Dichlorobenzene
 Concen: 12.124 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 293265
 Ion Ratio Lower Upper
 146 100
 111 40.7 18.9 56.9
 148 63.4 31.6 94.8

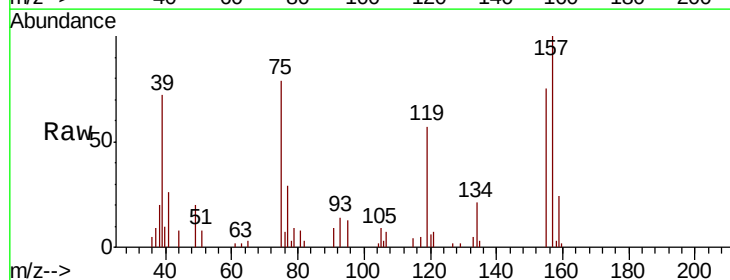


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

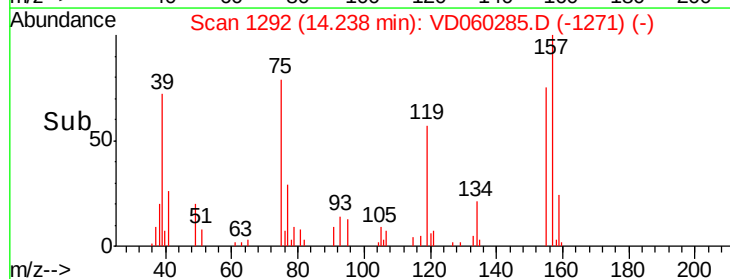
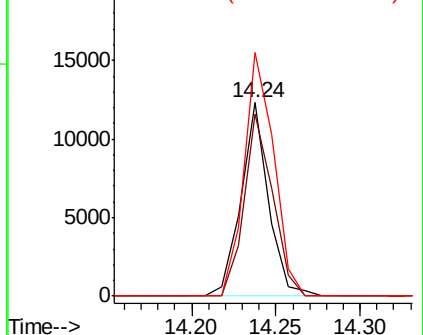


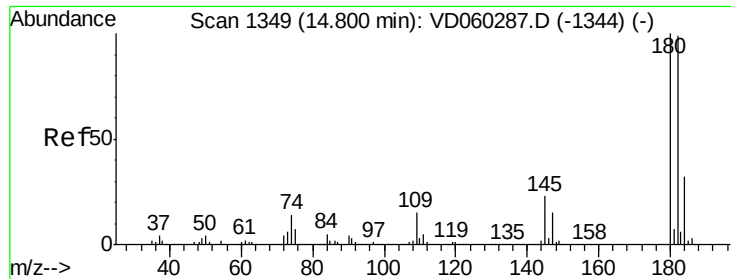
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.229 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 13830
 Ion Ratio Lower Upper
 75 100
 155 93.9 64.3 192.9
 157 125.9 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

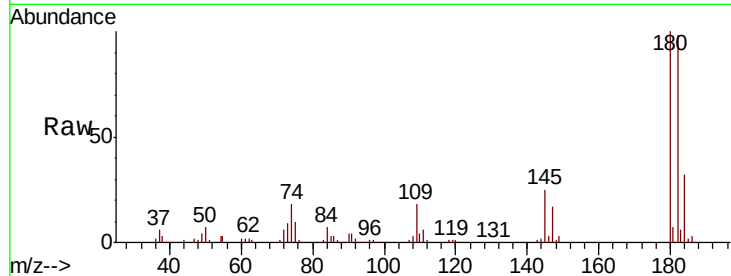




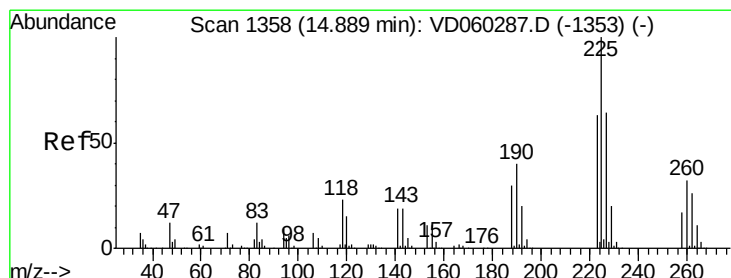
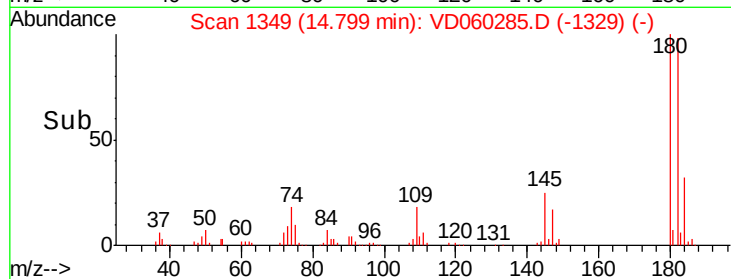
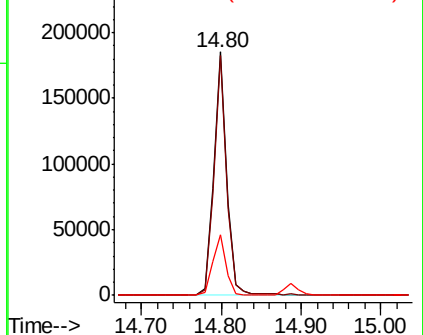
#93
 1,2,4-Trichlorobenzene
 Concen: 11.363 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	48.1	144.4
145	25.1	11.5	34.4

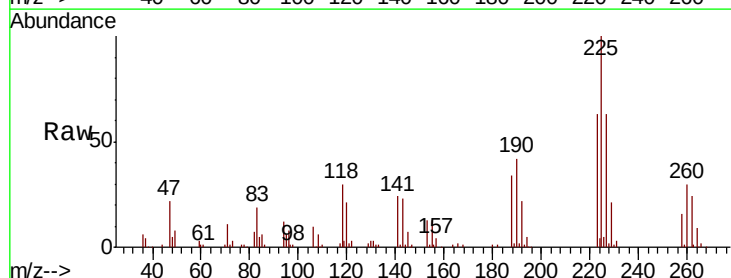


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

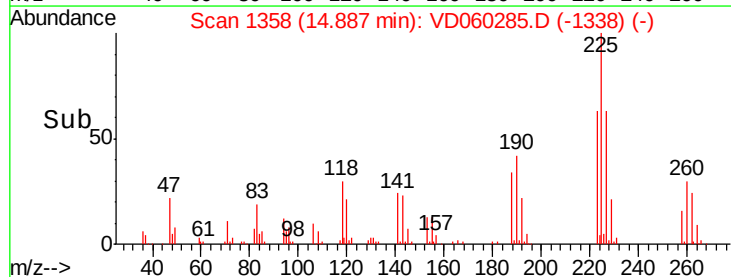
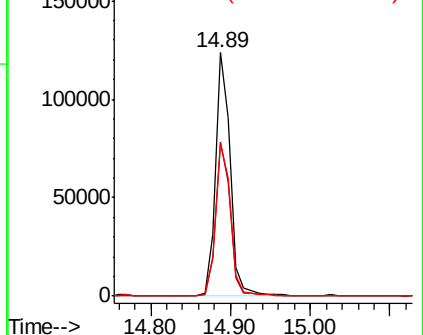


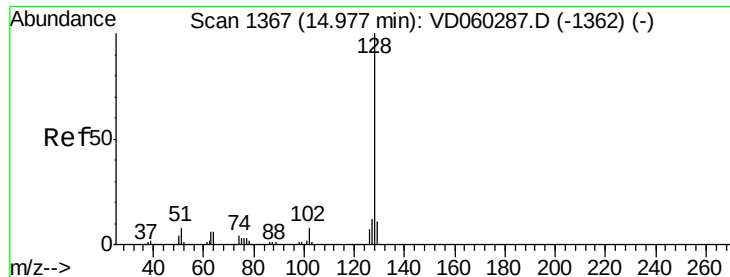
#94
 Hexachlorobutadiene
 Concen: 11.709 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060285.D
 Acq: 6 Nov 2018 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.6	94.8
227	62.7	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: 10.640 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

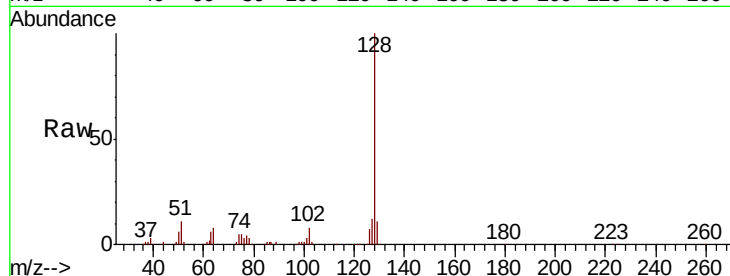
Tot Ion:128 Resp: 248381

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

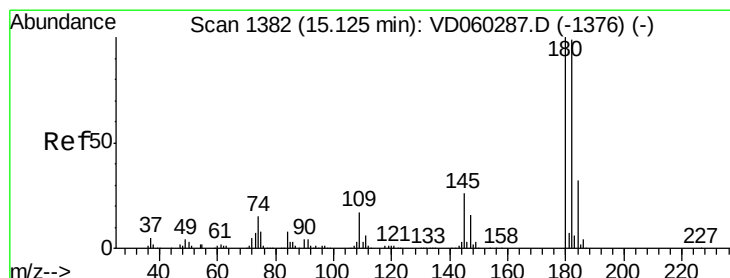
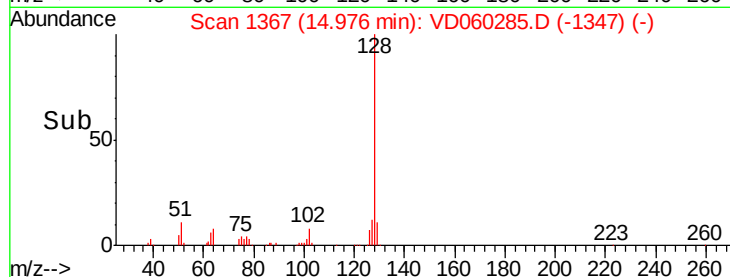
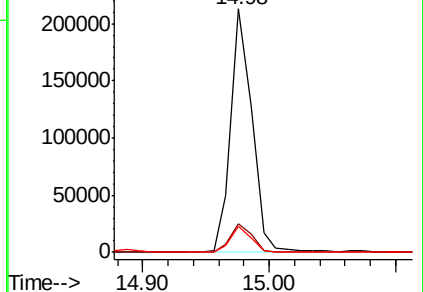
129 10.7 8.6 12.8



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: 11.185 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

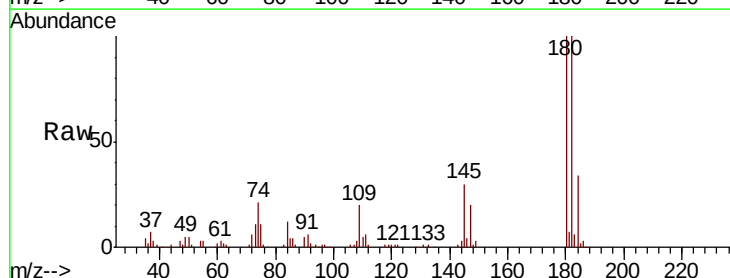
Tgt Ion:180 Resp: 169453

Ion Ratio Lower Upper

180 100

182 100.3 48.9 146.7

145 30.0 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

