

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060885.D
 Acq On : 21 Feb 2019 16:58
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 22 07:39:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.78	168	2235085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	3006849	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	2370176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1227638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.20	65	71651	3.15	ug/l	0.00
Spiked Amount			Recovery	=	6.30%	
35) Dibromofluoromethane	6.67	113	106929	4.65	ug/l	0.00
Spiked Amount			Recovery	=	9.30%	
50) Toluene-d8	10.17	98	307726	5.39	ug/l	0.00
Spiked Amount			Recovery	=	10.78%	
62) 4-Bromofluorobenzene	13.35	95	120867	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	118636	3.737	ug/l	94
3) Chloromethane	1.75	50	73419	3.652	ug/l	99
4) Vinyl Chloride	1.84	62	60602	3.602	ug/l	91
5) Bromomethane	2.12	94	21275	2.377	ug/l	98
6) Chloroethane	2.23	64	18304	2.272	ug/l	89
7) Trichlorofluoromethane	2.48	101	90815	2.556	ug/l	93
8) Diethyl Ether	2.79	74	35605	6.185	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.05	101	109734	5.625	ug/l	88
10) Methyl Iodide	3.20	142	141831	6.122	ug/l	93
11) Tert butyl alcohol	3.87	59	25455	20.627	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	95673	6.819	ug/l	96
13) Acrolein	2.94	56	36529	30.724	ug/l	97
14) Allyl chloride	3.49	41	169152	5.364	ug/l	97
15) Acrylonitrile	4.02	53	88142	19.519	ug/l	97
16) Acetone	3.12	43	104945	21.665	ug/l	99
17) Carbon Disulfide	3.27	76	366000	7.082	ug/l	99
18) Methyl Acetate	3.50	43	42650	5.257	ug/l	92
19) Methyl tert-butyl Ether	4.06	73	187370	3.960	ug/l	95
20) Methylene Chloride	3.67	84	194503	6.429	ug/l	94
21) trans-1,2-Dichloroethene	4.04	96	107610	4.589	ug/l	93
22) Diisopropyl ether	4.87	45	323798	3.827	ug/l	98
23) Vinyl Acetate	4.81	43	893238	17.831	ug/l	98
24) 1,1-Dichloroethane	4.75	63	185553	4.082	ug/l	98
25) 2-Butanone	5.81	43	123962	17.238	ug/l	96
26) 2,2-Dichloropropane	5.77	77	157293	3.686	ug/l	98
27) cis-1,2-Dichloroethene	5.78	96	115856	4.771	ug/l	90
28) Bromochloromethane	6.19	49	66654	3.437	ug/l	96
29) Tetrahydrofuran	6.22	42	73320	20.516	ug/l	99
30) Chloroform	6.40	83	191907	4.012	ug/l	100
31) Cyclohexane	6.71	56	139444	3.654	ug/l	96
32) 1,1,1-Trichloroethane	6.62	97	152887	3.644	ug/l	99
36) 1,1-Dichloropropene	6.90	75	164907	4.499	ug/l	94
37) Ethyl Acetate	5.91	43	62368	3.317	ug/l #	92
38) Carbon Tetrachloride	6.86	117	139165	3.715	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	174180	4.891	ug/l	98
40) Benzene	7.21	78	376419	4.542	ug/l	100
41) Methacrylonitrile	6.20	41	43389m	3.382	ug/l	
42) 1,2-Dichloroethane	7.33	62	91337	2.868	ug/l	98
43) Isopropyl Acetate	8.99	43	84133	3.522	ug/l #	96
44) Trichloroethene	8.29	130	115277	4.670	ug/l	93
45) 1,2-Dichloropropane	8.70	63	85229	3.852	ug/l	93
46) Dibromomethane	8.83	93	59273	4.178	ug/l	97
47) Bromodichloromethane	9.13	83	136985	3.859	ug/l	95
48) Methyl methacrylate	8.88	41	48029	2.983	ug/l #	87
49) 1,4-Dioxane	8.84	88	10815	90.590	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	294492	19.135	ug/l	100
52) Toluene	10.27	92	222653	4.668	ug/l	99
53) t-1,3-Dichloropropene	10.69	75	123452	3.886	ug/l	96
54) cis-1,3-Dichloropropene	9.80	75	152243	4.177	ug/l	98
55) 1,1,2-Trichloroethane	10.96	97	74685	5.271	ug/l	97
56) Ethyl methacrylate	10.81	69	75488	4.166	ug/l	94
57) 1,3-Dichloropropane	11.19	76	117343	4.530	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.61	63	212902	23.298	ug/l	94
59) 2-Hexanone	11.31	43	198644	17.524	ug/l	99
60) Dibromochloromethane	11.46	129	92808	4.065	ug/l	87
61) 1,2-Dibromoethane	11.59	107	75052	4.470	ug/l	98
64) Tetrachloroethene	11.03	164	106860	4.799	ug/l	92
65) Chlorobenzene	12.18	112	239997	4.876	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.30	131	92993	4.372	ug/l	94
67) Ethyl Benzene	12.31	91	441160	4.753	ug/l	96
68) m/p-Xylenes	12.46	106	319027	10.228	ug/l	95
69) o-Xylene	12.84	106	147862	4.984	ug/l	99
70) Styrene	12.86	104	248097	5.180	ug/l	96
71) Bromoform	13.03	173	63852	4.113	ug/l	99
73) Isopropylbenzene	13.20	105	419564	4.684	ug/l	97
74) N-amyl acetate	13.06	43	120445	3.704	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.50	83	88440	4.984	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	91752	4.539	ug/l	98
77) Bromobenzene	13.46	156	118418	4.801	ug/l	79
78) n-propylbenzene	13.57	91	578762	4.967	ug/l	93
79) 2-Chlorotoluene	13.64	91	305307	4.735	ug/l	98
80) 1,3,5-Trimethylbenzene	14.03	105	324938	4.374	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.27	75	25513	4.780	ug/l	96
82) 4-Chlorotoluene	13.75	91	348391	4.753	ug/l	95
83) tert-Butylbenzene	13.99	119	387418	4.684	ug/l	97
84) 1,2,4-Trimethylbenzene	14.03	105	324938	4.374	ug/l	98
85) sec-Butylbenzene	14.17	105	413082	4.561	ug/l	98
86) p-Isopropyltoluene	14.29	119	344334	4.533	ug/l	98
87) 1,3-Dichlorobenzene	14.26	146	221836	5.207	ug/l	95
88) 1,4-Dichlorobenzene	14.34	146	214725	5.007	ug/l	98
89) n-Butylbenzene	14.60	91	364943	4.703	ug/l	99
90) Hexachloroethane	14.81	117	91956	4.495	ug/l	91
91) 1,2-Dichlorobenzene	14.61	146	181437	4.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.19	75	9243	3.180	ug/l	83

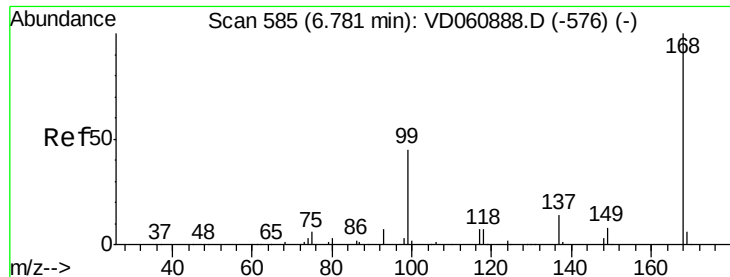
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022119\
Data File : VD060885.D
Acq On : 21 Feb 2019 16:58
Operator : VA/AP
Sample : VSTDICC005
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MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	117054	3.885	ug/l	94
94) Hexachlorobutadiene	15.84	225	73516	2.817	ug/l	98
95) Naphthalene	15.92	128	154878	3.853	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	74193	3.046	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.78 min Scan# 584

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

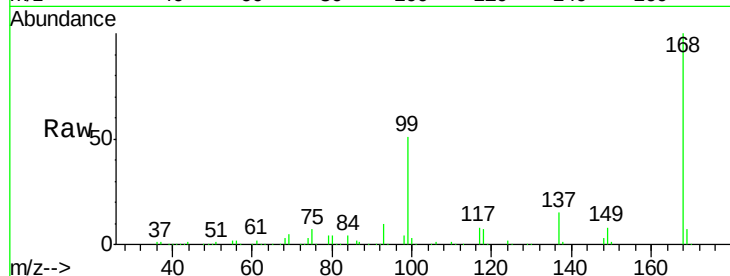
VSTDIC005

Tot Ion:168 Resp: 2235085

Ion Ratio Lower Upper

168 100

99 50.8 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.78

800000

600000

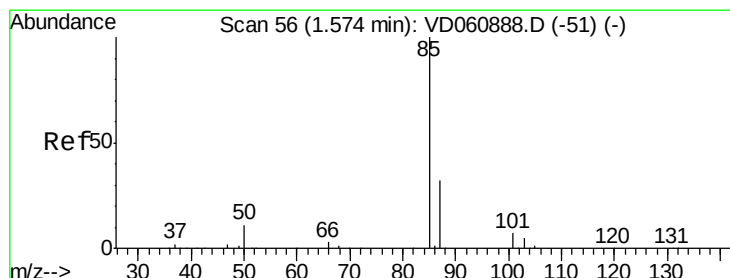
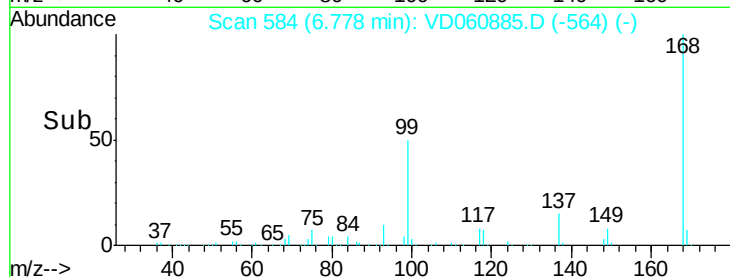
400000

200000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.737 ug/l

RT: 1.57 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060885.D

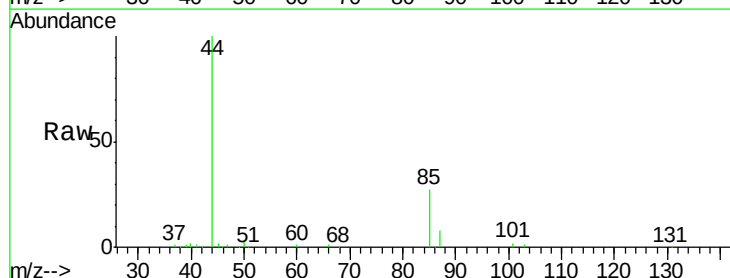
Acq: 21 Feb 2019 16:58

Tgt Ion: 85 Resp: 118636

Ion Ratio Lower Upper

85 100

87 29.1 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

50000

40000

30000

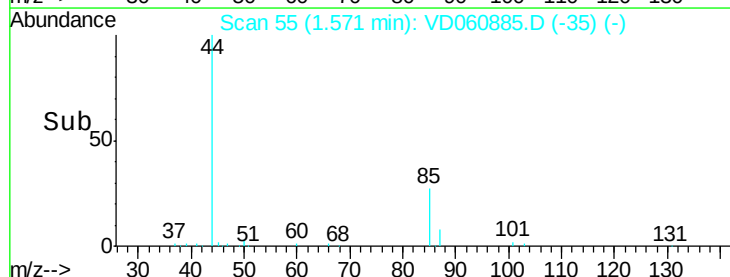
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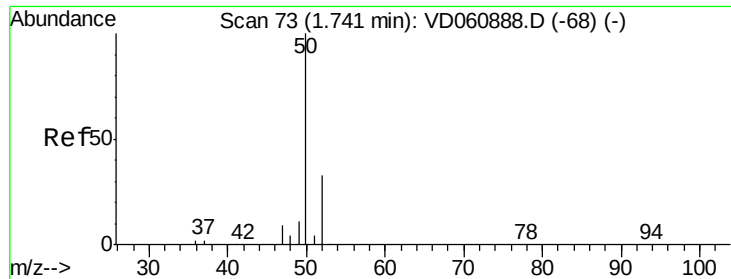
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 3.652 ug/l

RT: 1.75 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

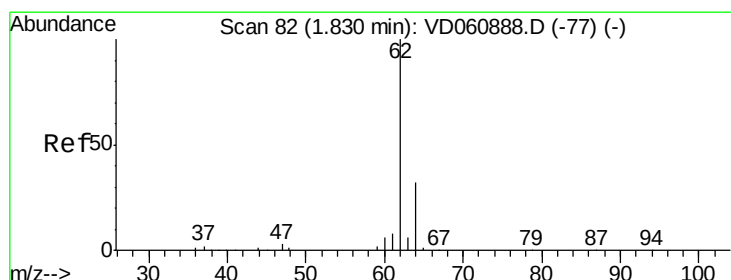
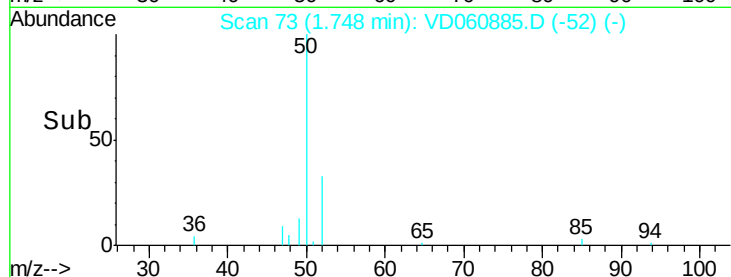
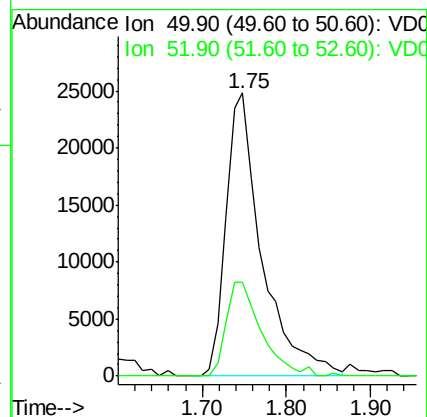
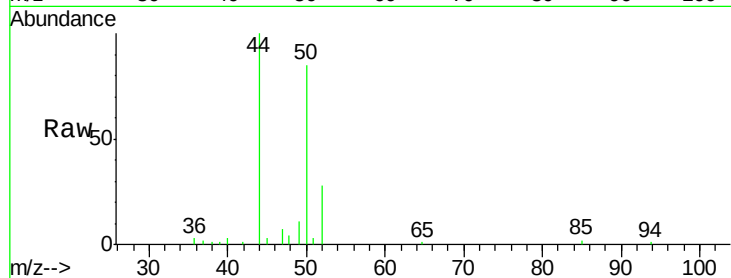
VSTDIC005

Tot Ion: 50 Resp: 73419

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 3.602 ug/l

RT: 1.84 min Scan# 82

Delta R.T. 0.01 min

Lab File: VD060885.D

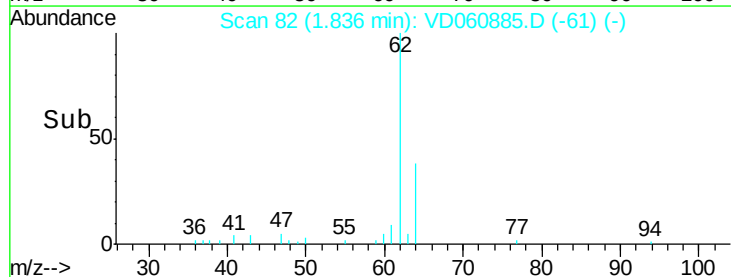
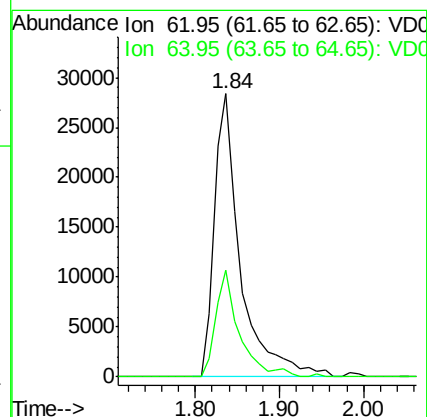
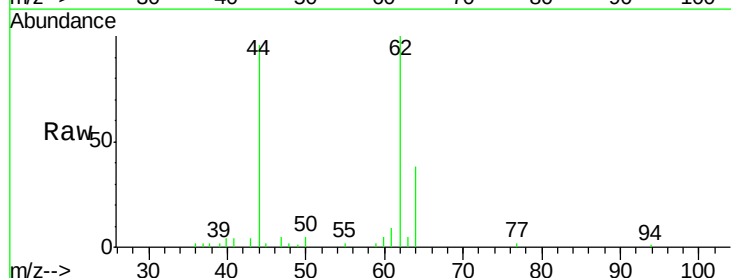
Acq: 21 Feb 2019 16:58

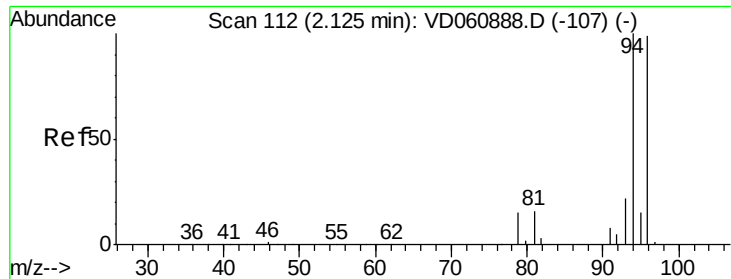
Tgt Ion: 62 Resp: 60602

Ion Ratio Lower Upper

62 100

64 37.5 26.0 39.0

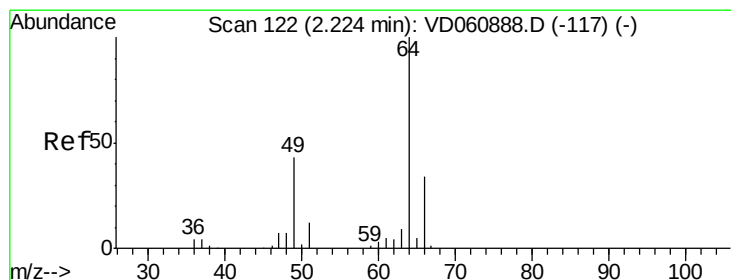
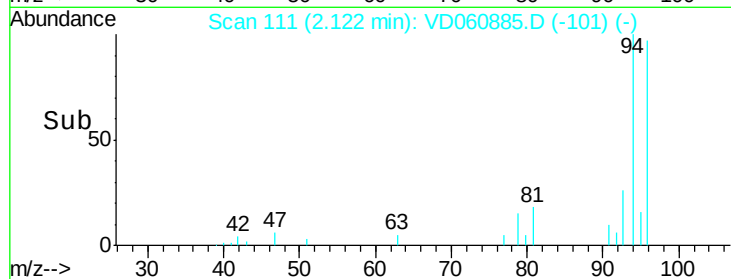
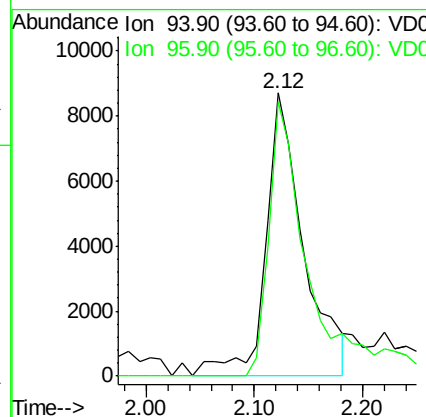
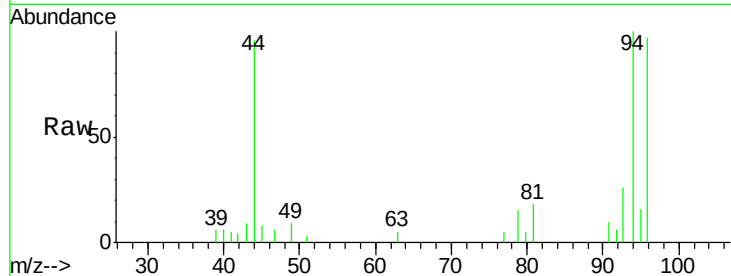




#5
Bromomethane
Concen: 2.377 ug/l
RT: 2.12 min Scan# 111
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

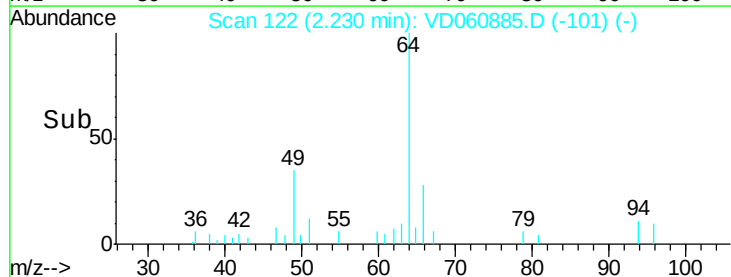
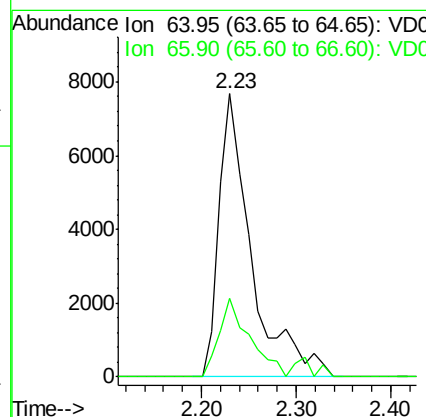
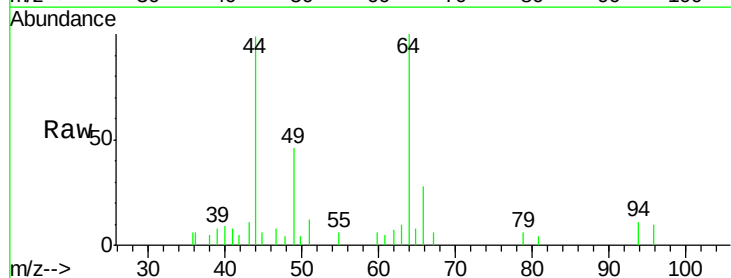
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

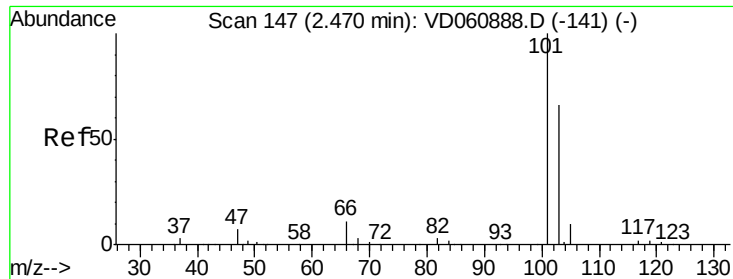
Tot Ion: 94 Resp: 21275
Ion Ratio Lower Upper
94 100
96 96.9 79.0 118.6



#6
Chloroethane
Concen: 2.272 ug/l
RT: 2.23 min Scan# 122
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 64 Resp: 18304
Ion Ratio Lower Upper
64 100
66 27.7 27.0 40.6



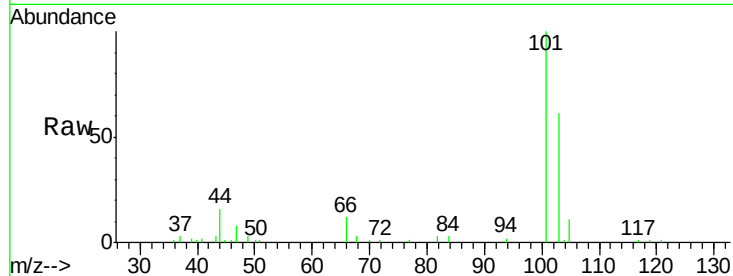


#7

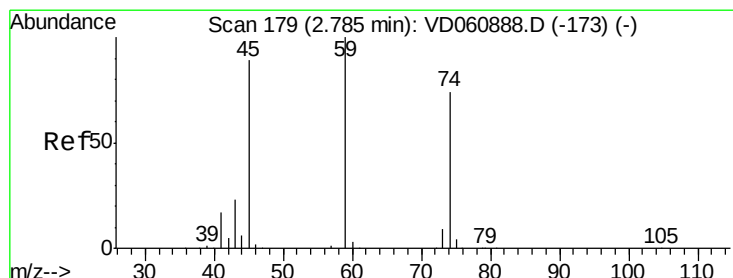
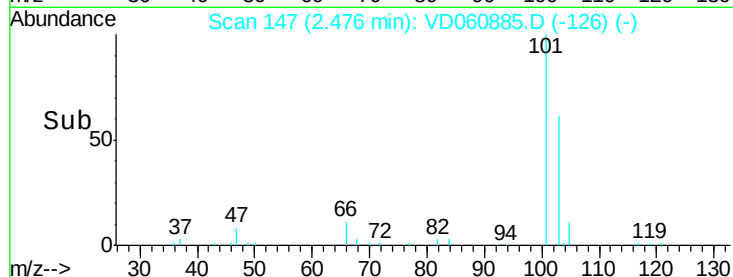
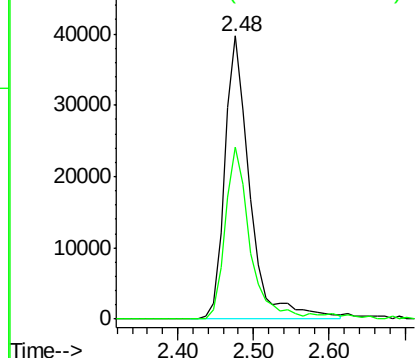
Trichlorofluoromethane
Concen: 2.556 ug/l
RT: 2.48 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 90815
Ion Ratio Lower Upper
101 100
103 60.6 52.6 79.0



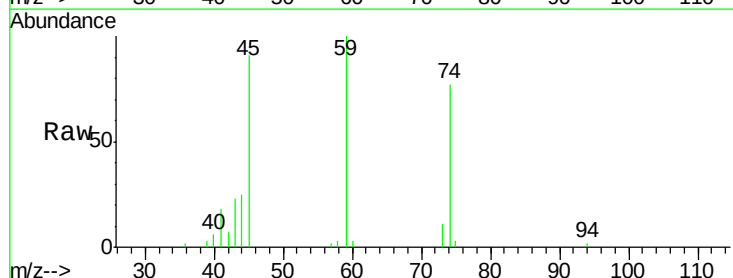
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



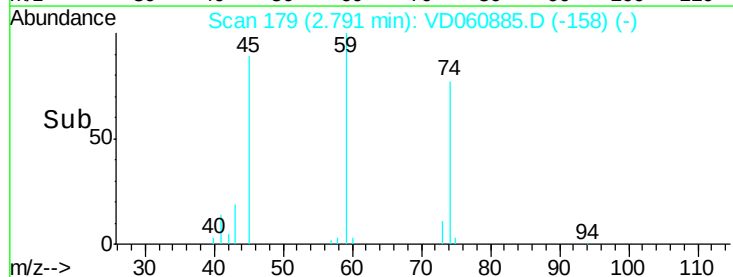
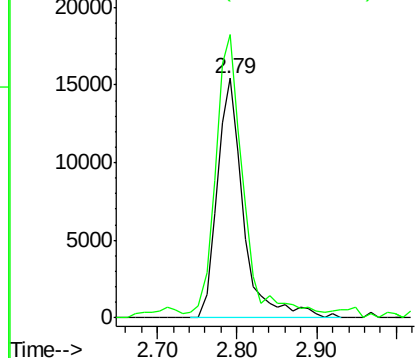
#8

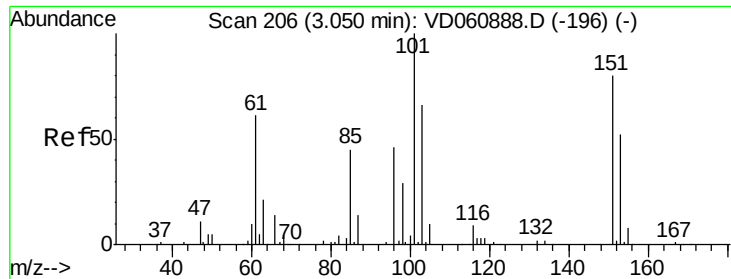
Diethyl Ether
Concen: 6.185 ug/l
RT: 2.79 min Scan# 179
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 74 Resp: 35605
Ion Ratio Lower Upper
74 100
45 118.1 60.2 180.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.625 ug/l

RT: 3.05 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

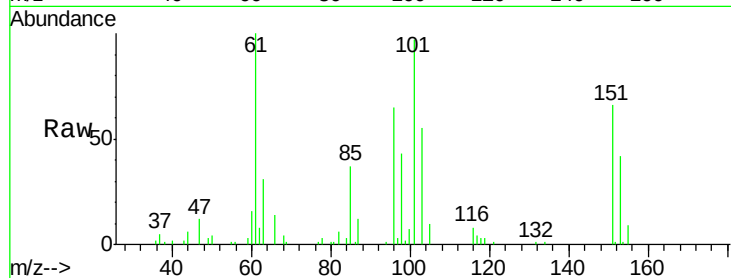
Tot Ion:101 Resp: 109734

Ion Ratio Lower Upper

101 100

85 38.0 35.9 53.9

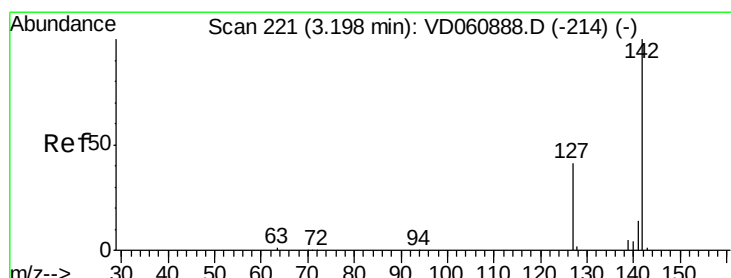
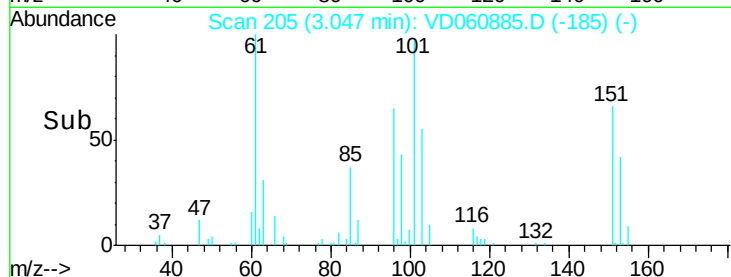
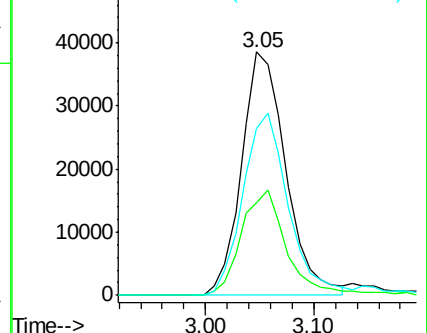
151 68.6 63.7 95.5



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: 6.122 ug/l

RT: 3.20 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

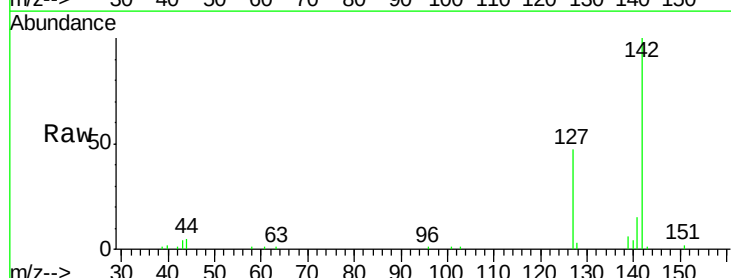
Tgt Ion:142 Resp: 141831

Ion Ratio Lower Upper

142 100

127 46.7 33.0 49.4

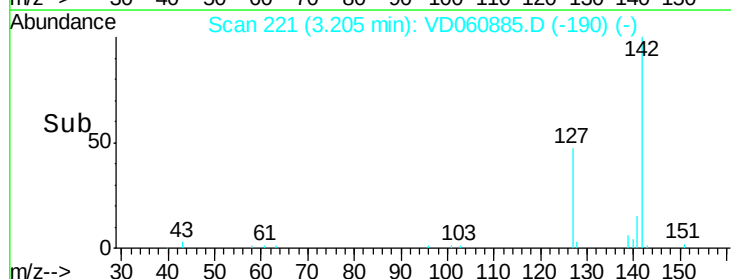
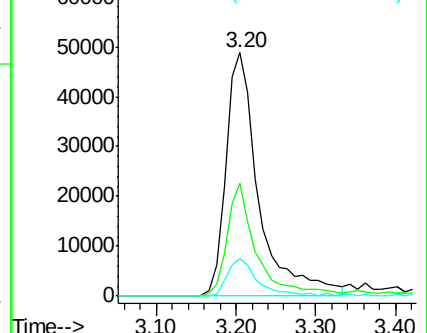
141 15.4 11.4 17.2

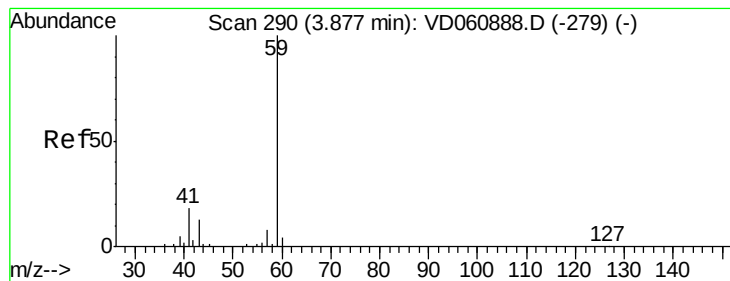


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



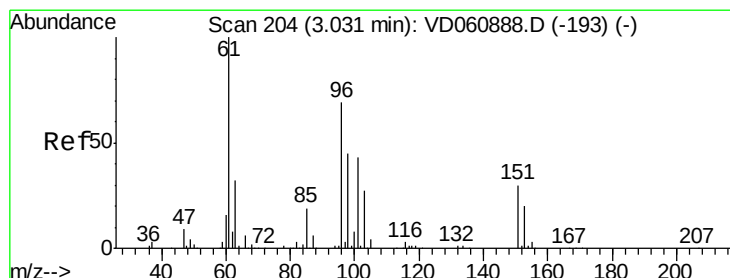
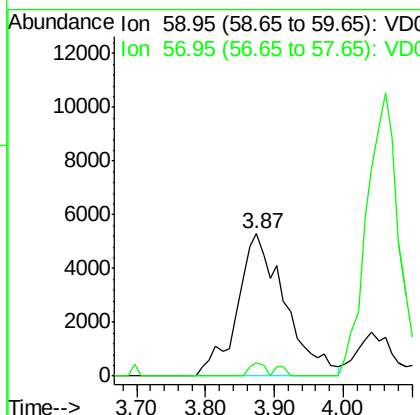
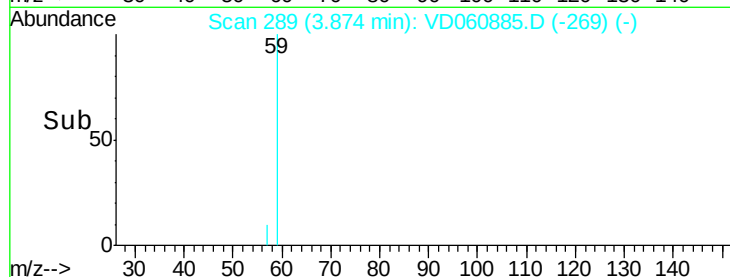
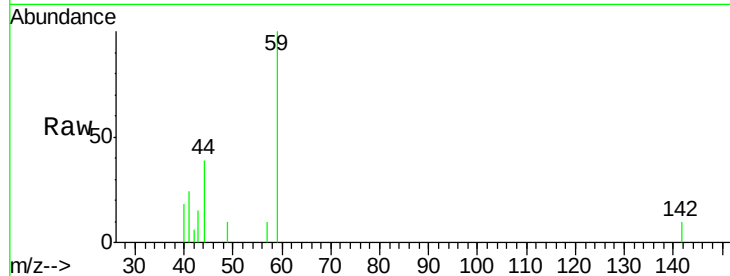


#11

Tert butyl alcohol
Concen: 20.627 ug/l
RT: 3.87 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

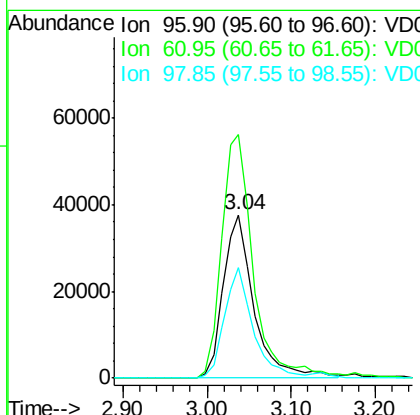
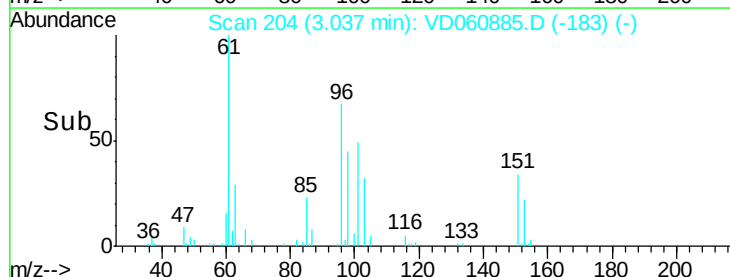
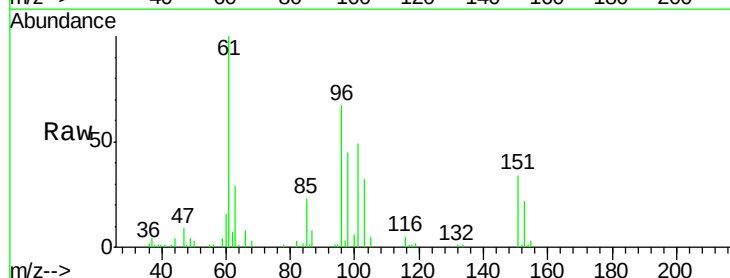
Tot Ion: 59 Resp: 25455
Ion Ratio Lower Upper
59 100
57 9.6 6.3 9.5#

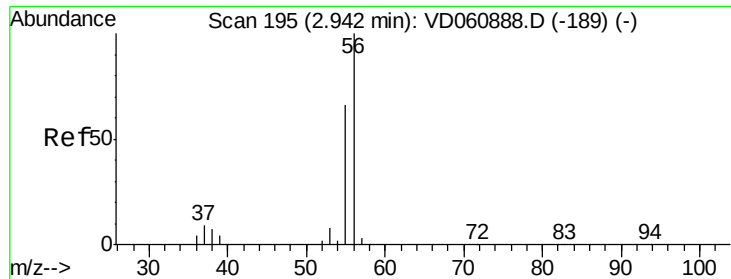


#12

1,1-Dichloroethene
Concen: 6.819 ug/l
RT: 3.04 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 96 Resp: 95673
Ion Ratio Lower Upper
96 100
61 149.3 116.1 174.1
98 67.8 51.8 77.6





#13

Acrolein

Concen: 30.724 ug/l

RT: 2.94 min Scan# 194

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

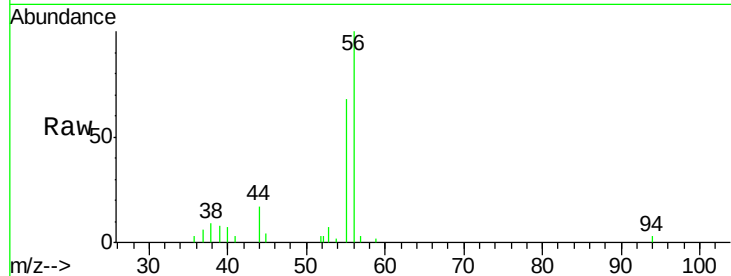
VSTDIC005

Tot Ion: 56 Resp: 36529

Ion Ratio Lower Upper

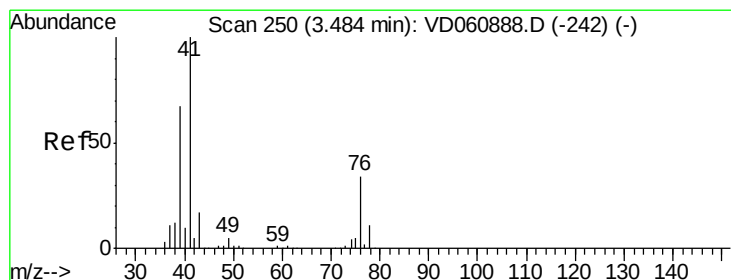
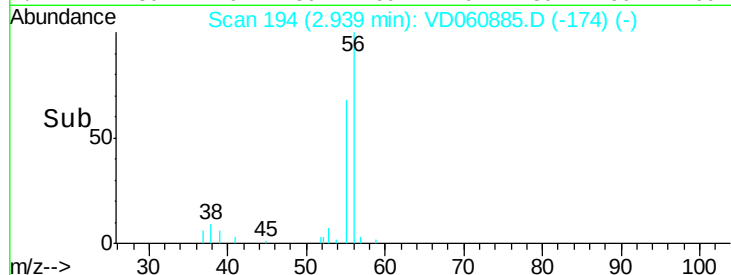
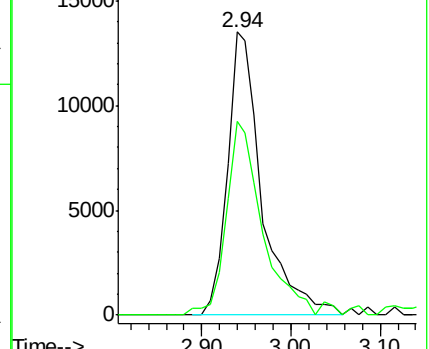
56 100

55 68.4 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.364 ug/l

RT: 3.49 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

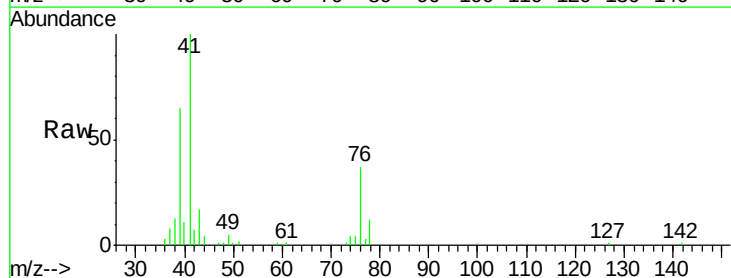
Tgt Ion: 41 Resp: 169152

Ion Ratio Lower Upper

41 100

39 65.0 53.7 80.5

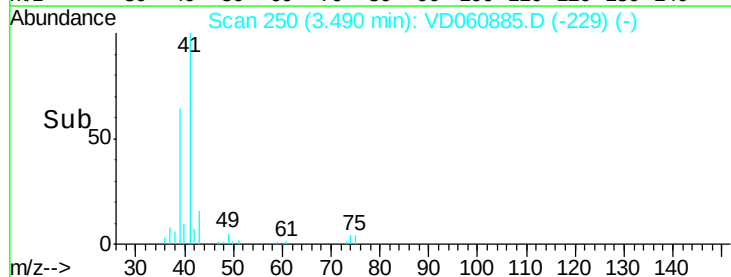
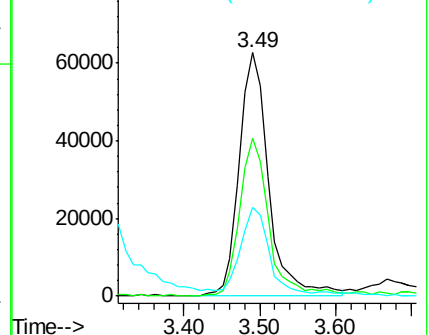
76 36.7 30.9 46.3

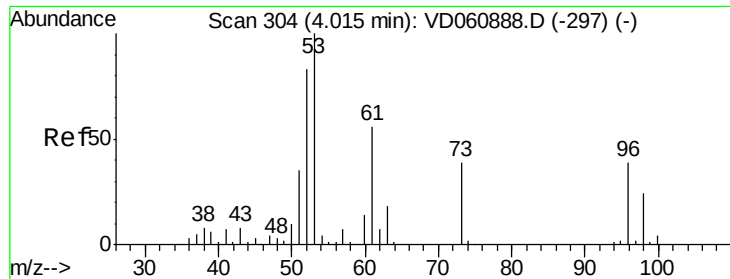


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 19.519 ug/l

RT: 4.02 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

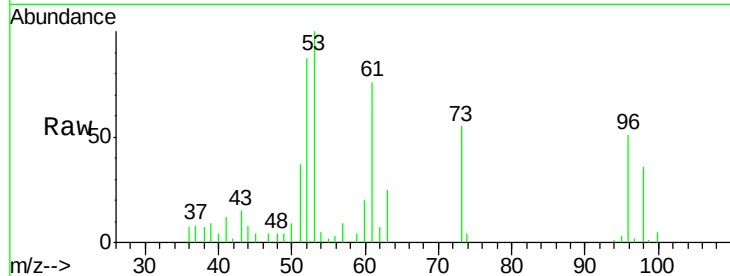
Tot Ion: 53 Resp: 88142

Ion Ratio Lower Upper

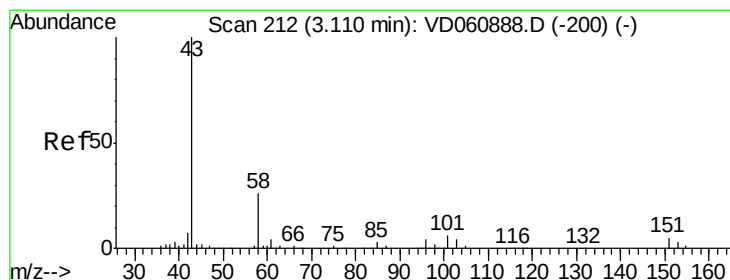
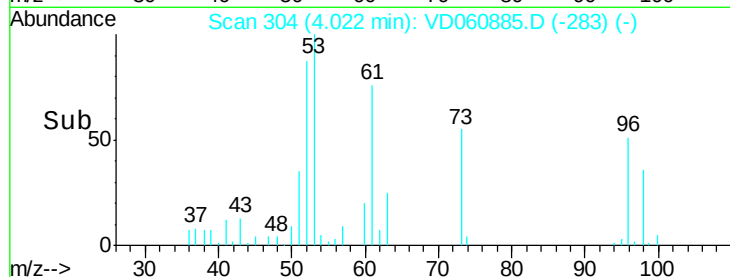
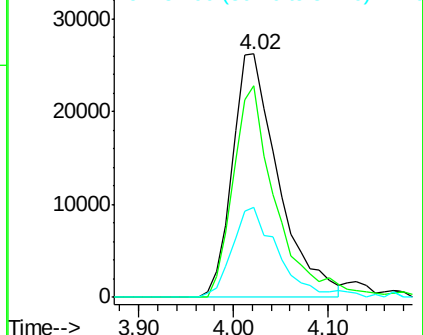
53 100

52 86.8 66.7 100.1

51 36.7 28.4 42.6



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: 21.665 ug/l

RT: 3.12 min Scan# 212

Delta R.T. 0.01 min

Lab File: VD060885.D

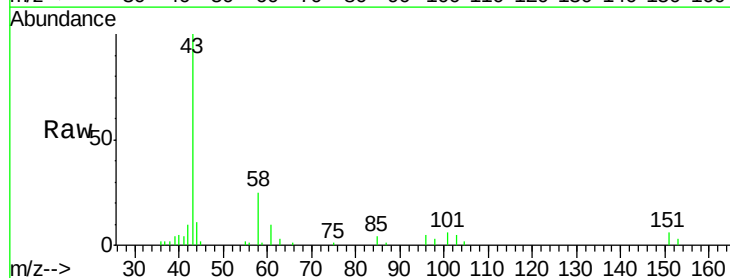
Acq: 21 Feb 2019 16:58

Tgt Ion: 43 Resp: 104945

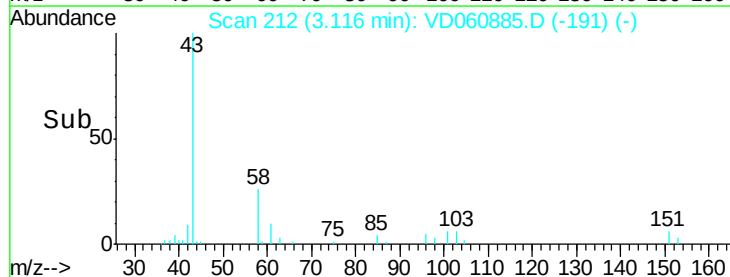
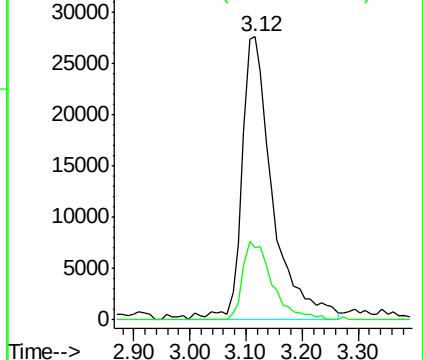
Ion Ratio Lower Upper

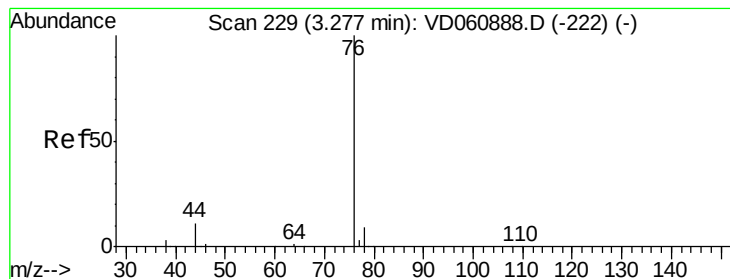
43 100

58 25.5 21.0 31.4



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





#17

Carbon Disulfide

Concen: 7.082 ug/l

RT: 3.27 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

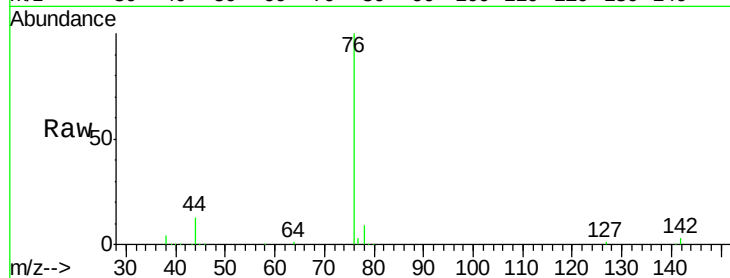
VSTDIC005

Tot Ion: 76 Resp: 366000

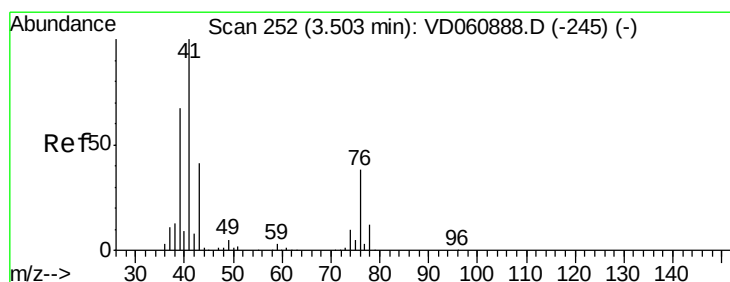
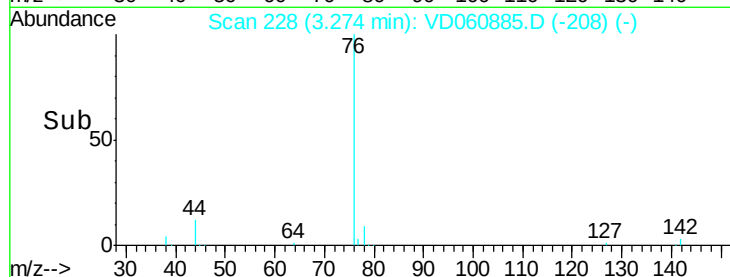
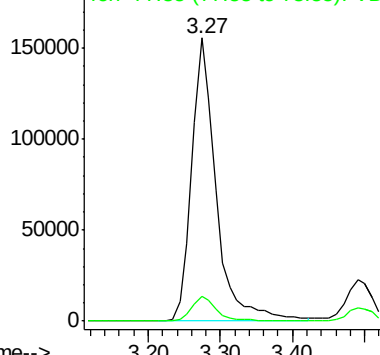
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.257 ug/l

RT: 3.50 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD060885.D

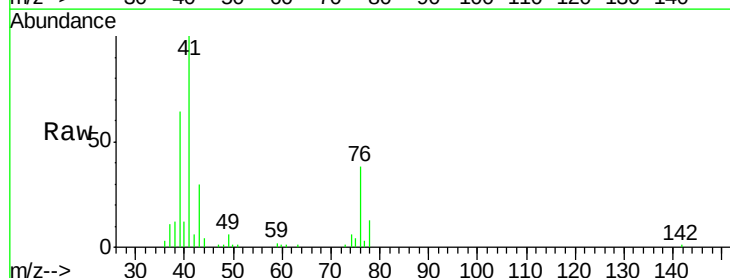
Acq: 21 Feb 2019 16:58

Tgt Ion: 43 Resp: 42650

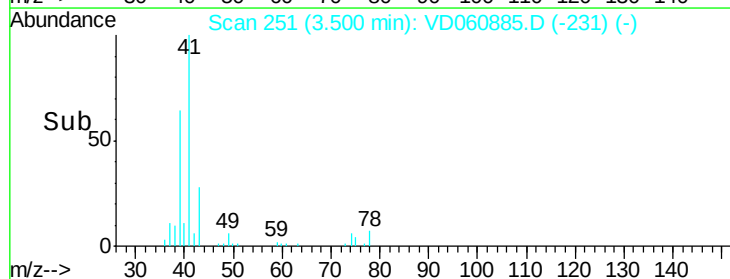
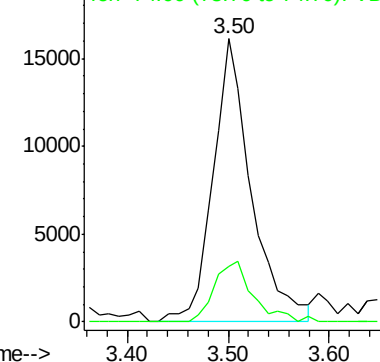
Ion Ratio Lower Upper

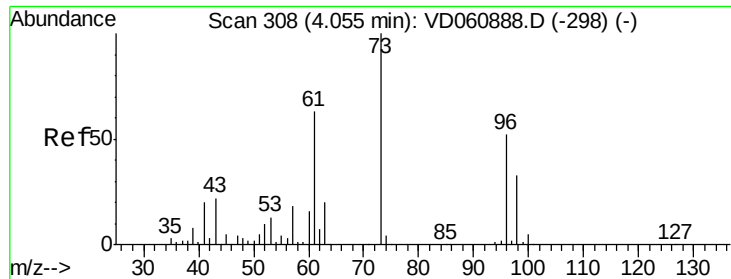
43 100

74 19.5 18.6 28.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

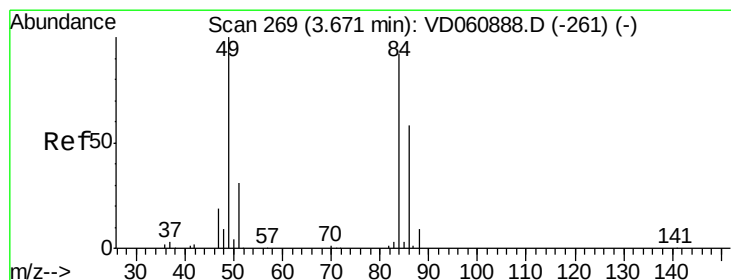
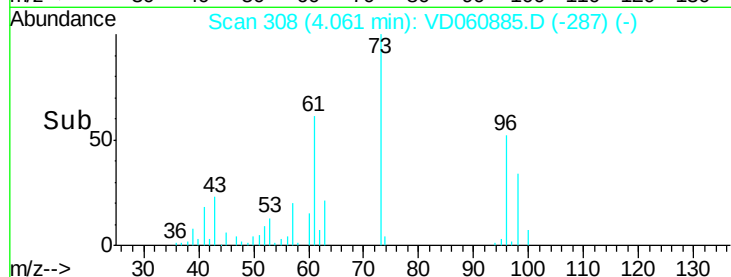
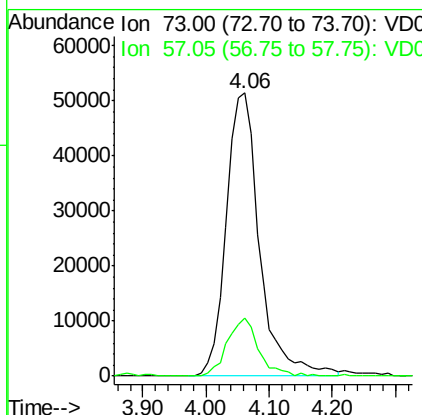
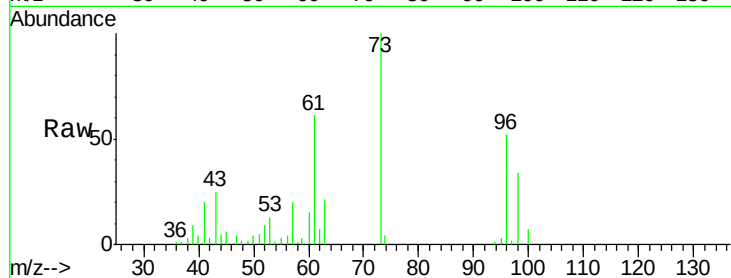




#19
Methyl tert-butyl Ether
Concen: 3.960 ug/l
RT: 4.06 min Scan# 308
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

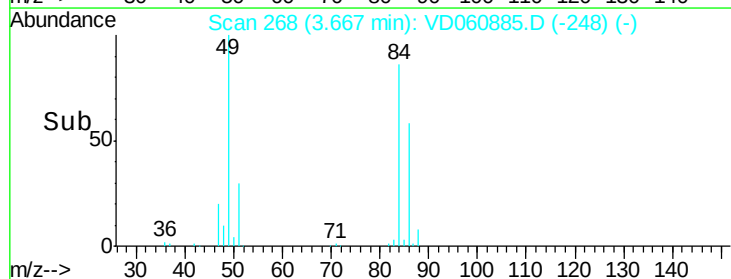
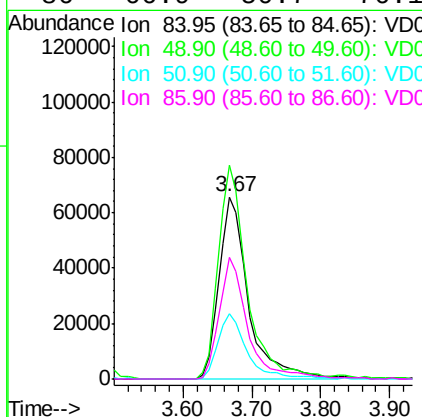
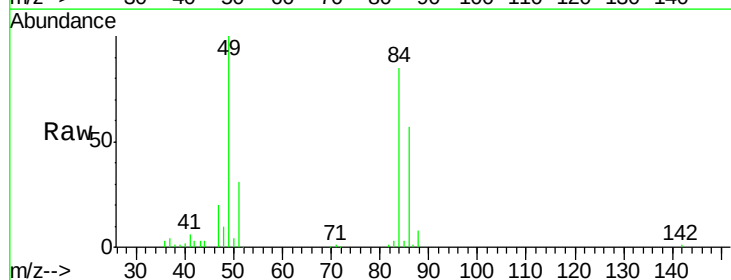
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

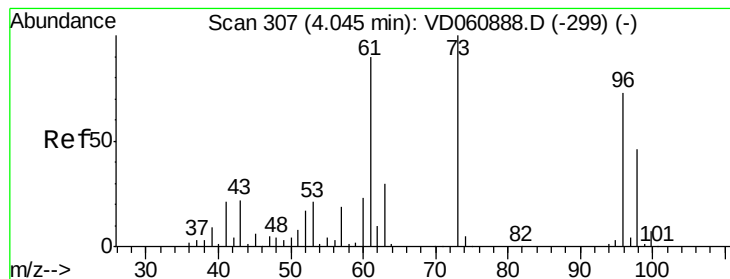
Tot Ion: 73 Resp: 187370
Ion Ratio Lower Upper
73 100
57 20.5 14.5 21.7



#20
Methylene Chloride
Concen: 6.429 ug/l
RT: 3.67 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 84 Resp: 194503
Ion Ratio Lower Upper
84 100
49 117.3 87.2 130.8
51 35.9 27.4 41.0
86 66.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 4.589 ug/l

RT: 4.04 min Scan# 306

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

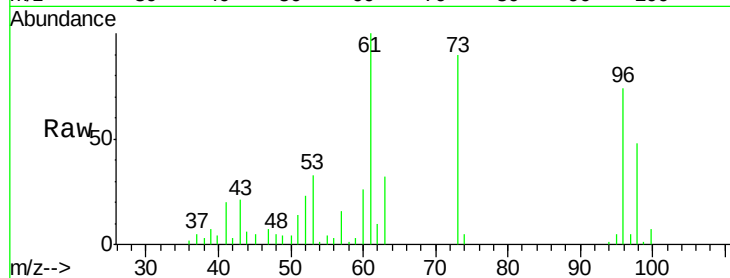
Tot Ion: 96 Resp: 107610

Ion Ratio Lower Upper

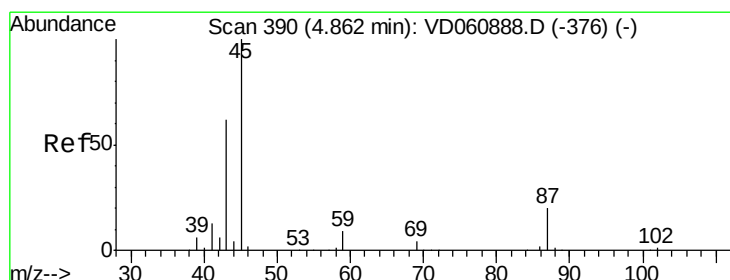
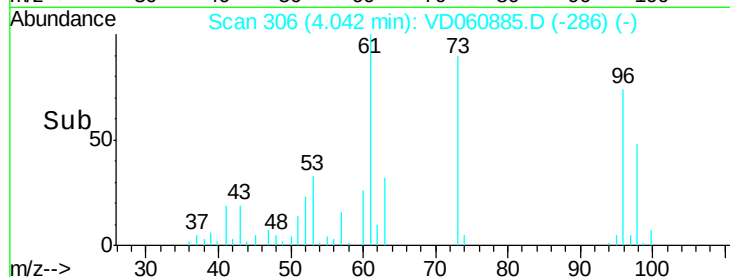
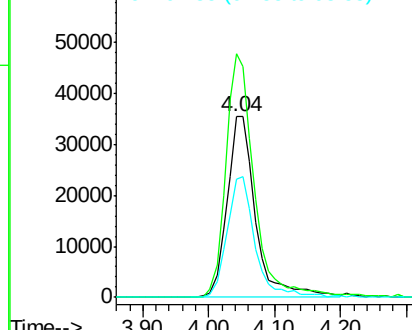
96 100

61 135.0 99.4 149.2

98 65.2 50.6 75.8



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



#22

Diisopropyl ether

Concen: 3.827 ug/l

RT: 4.87 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Tgt Ion: 45 Resp: 323798

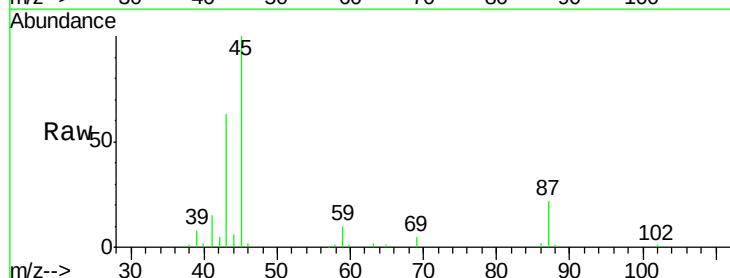
Ion Ratio Lower Upper

45 100

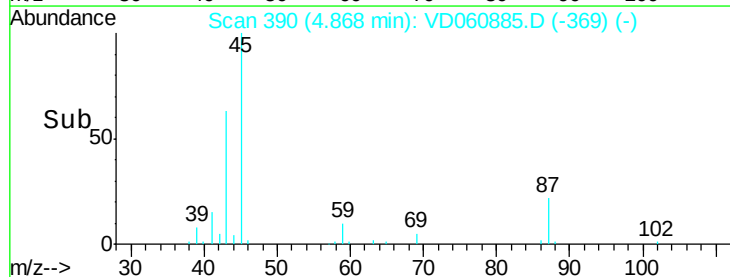
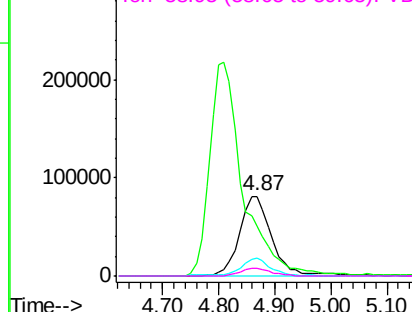
43 63.3 49.8 74.8

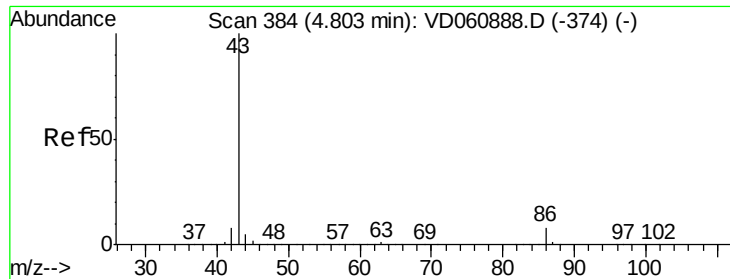
87 22.0 16.7 25.1

59 9.8 7.4 11.2



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

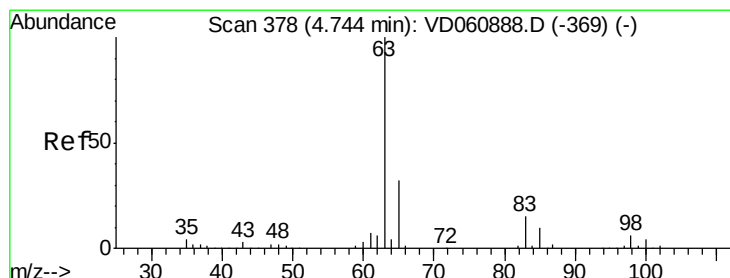
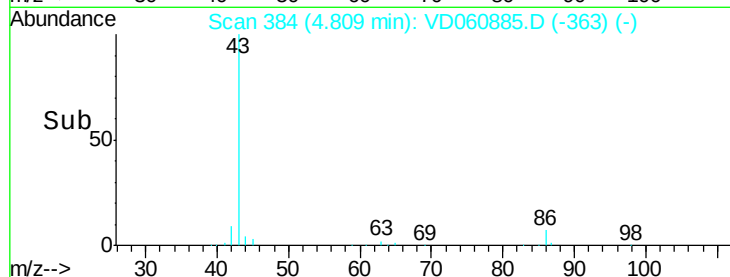
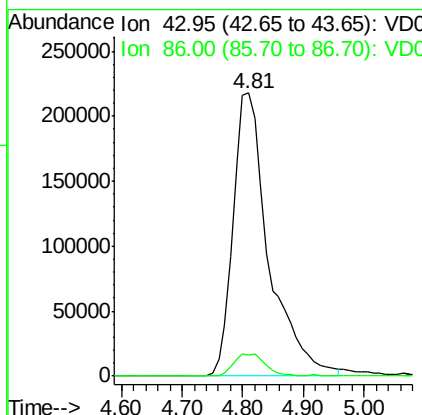
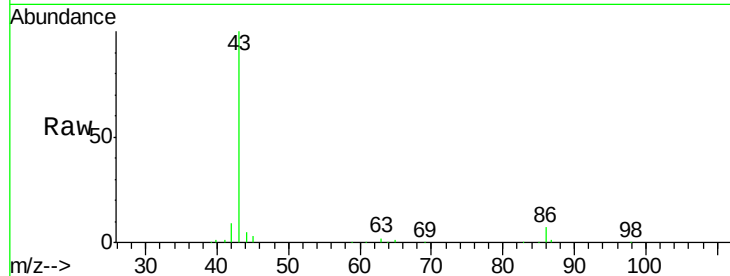




#23
 Vinyl Acetate
 Concen: 17.831 ug/l
 RT: 4.81 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

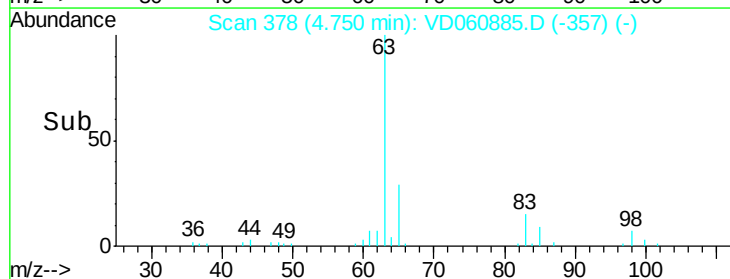
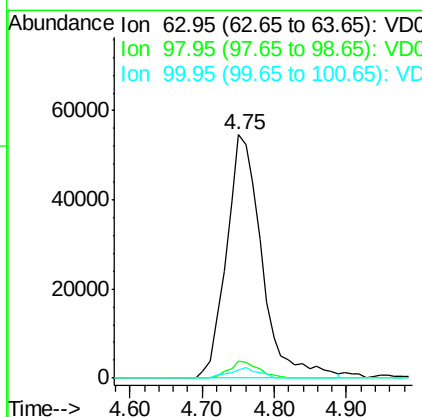
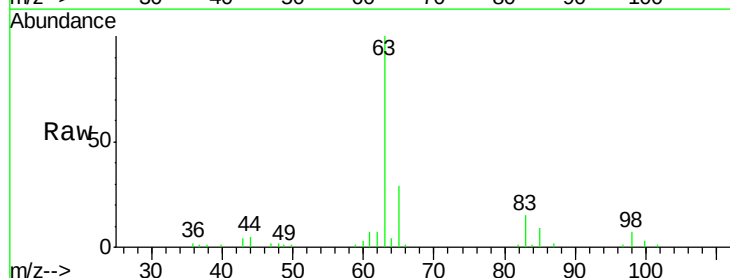
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

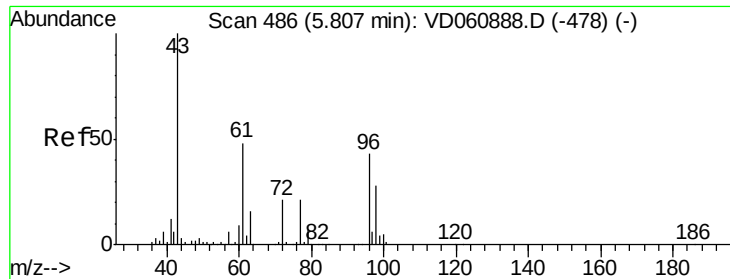
Tot Ion: 43 Resp: 893238
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 4.082 ug/l
 RT: 4.75 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 63 Resp: 185553
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.8
 100 3.4 1.8 5.4





#25

2-Butanone

Concen: 17.238 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

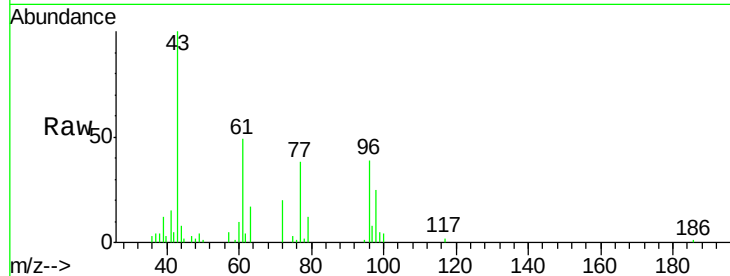
VSTDIC005

Tot Ion: 43 Resp: 123962

Ion Ratio Lower Upper

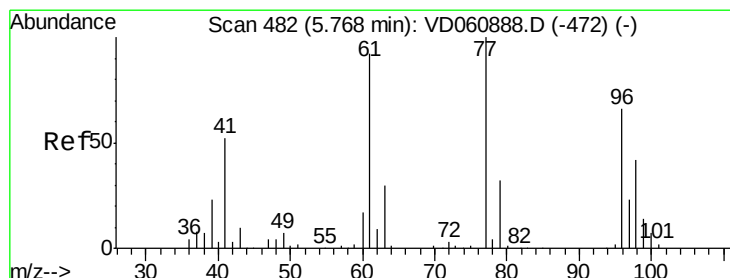
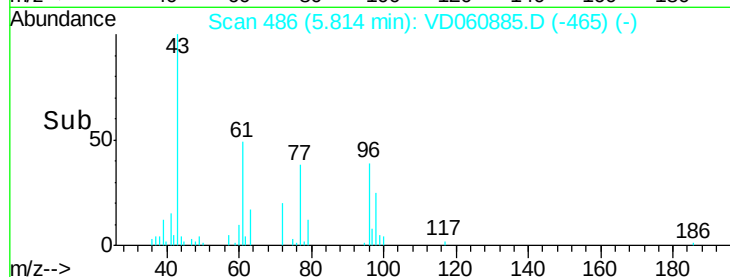
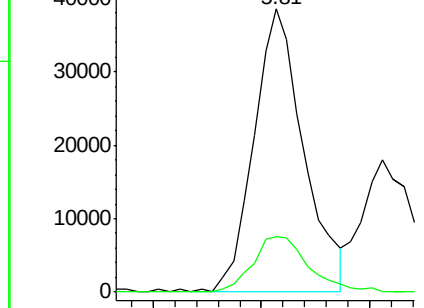
43 100

72 19.6 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 3.686 ug/l

RT: 5.77 min Scan# 482

Delta R.T. 0.01 min

Lab File: VD060885.D

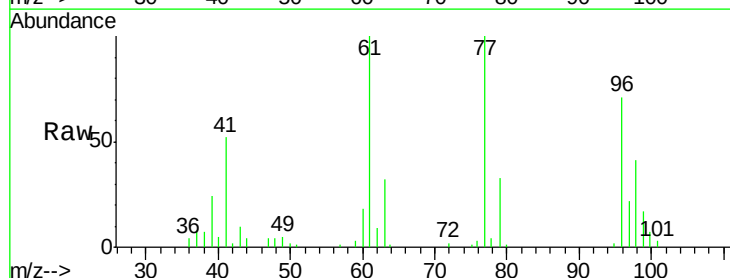
Acq: 21 Feb 2019 16:58

Tgt Ion: 77 Resp: 157293

Ion Ratio Lower Upper

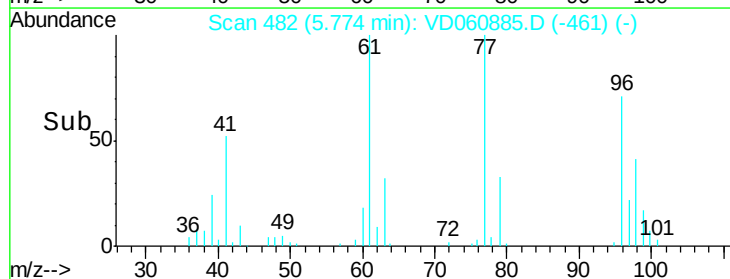
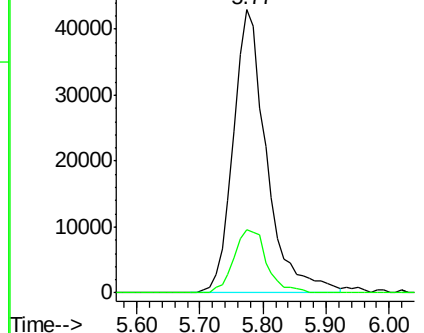
77 100

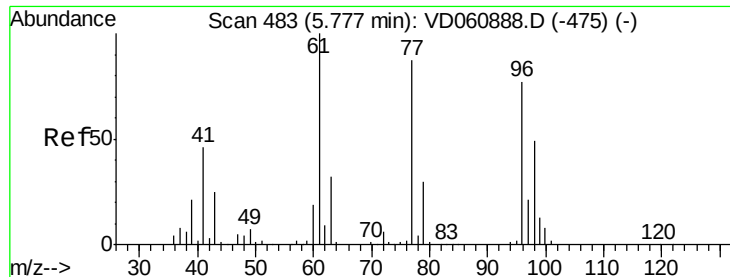
97 22.2 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



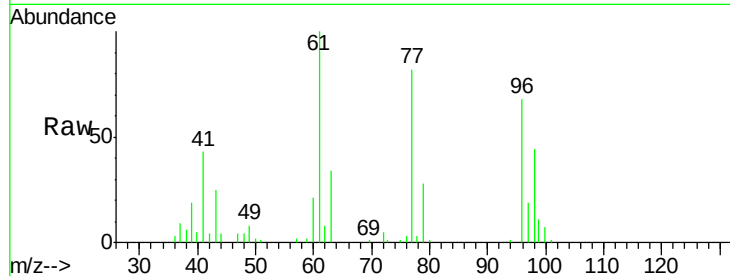


#27

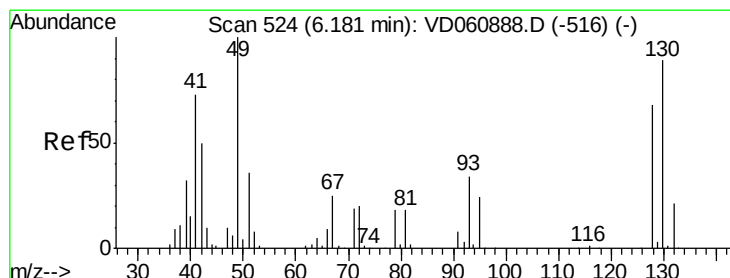
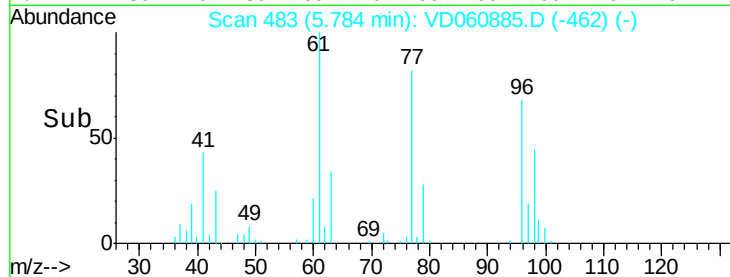
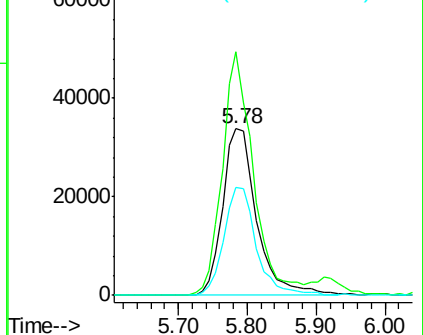
cis-1,2-Dichloroethene
Concen: 4.771 ug/l
RT: 5.78 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	259.4
98	65.0	0.0	127.4



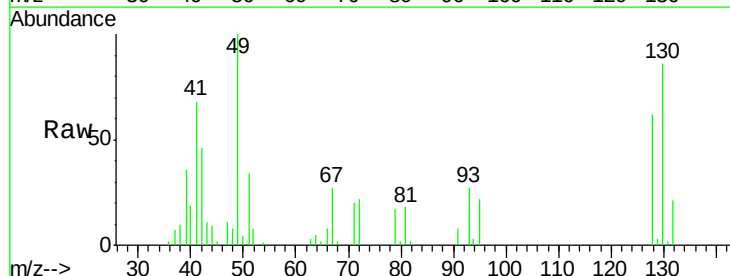
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



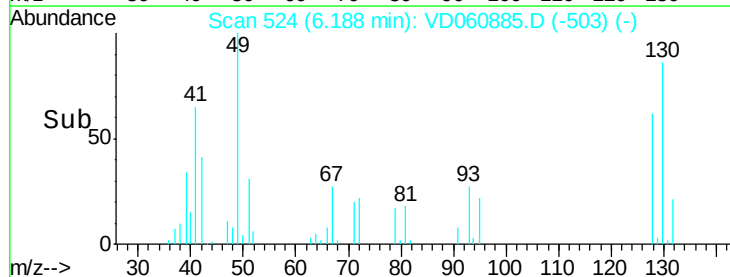
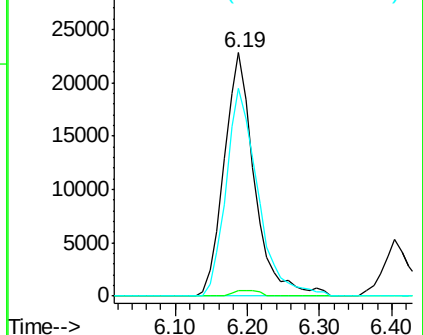
#28

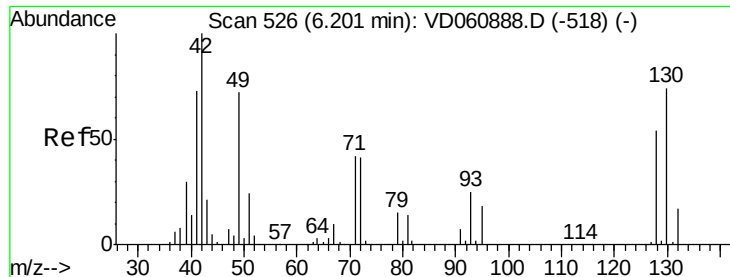
Bromochloromethane
Concen: 3.437 ug/l
RT: 6.19 min Scan# 524
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	85.5	71.4	107.0



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: 20.516 ug/l

RT: 6.22 min Scan# 527

Delta R.T. 0.02 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

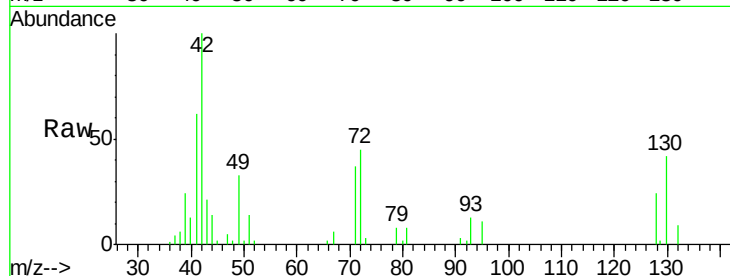
Tot Ion: 42 Resp: 73320

Ion Ratio Lower Upper

42 100

72 44.4 35.0 52.4

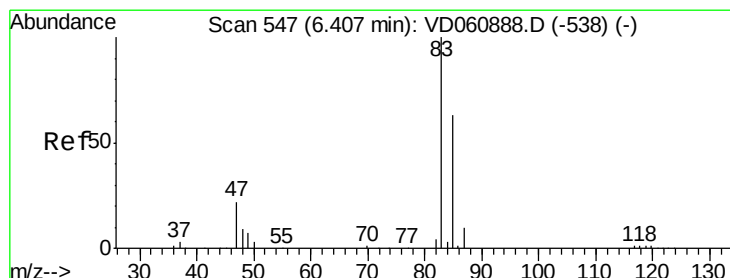
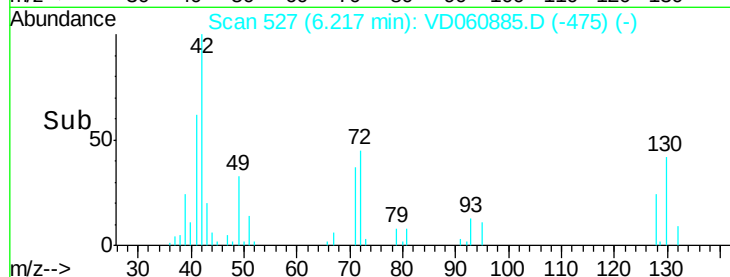
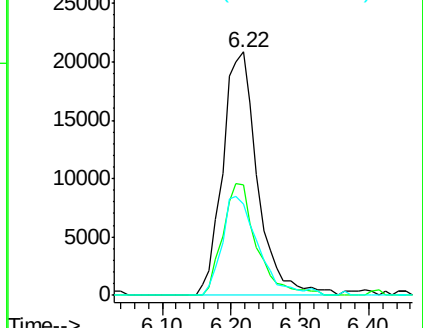
71 42.1 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.012 ug/l

RT: 6.40 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060885.D

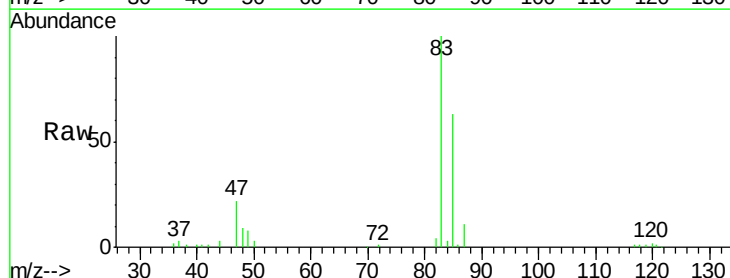
Acq: 21 Feb 2019 16:58

Tgt Ion: 83 Resp: 191907

Ion Ratio Lower Upper

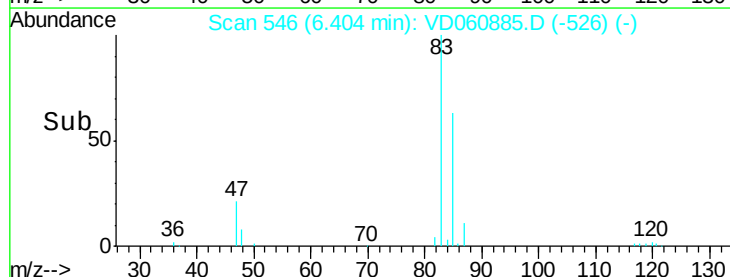
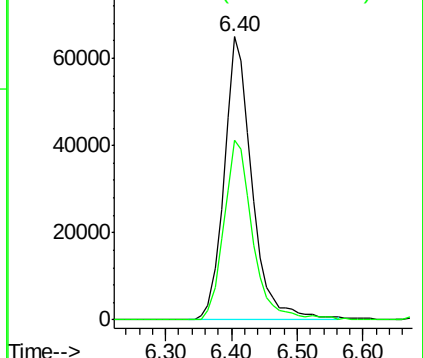
83 100

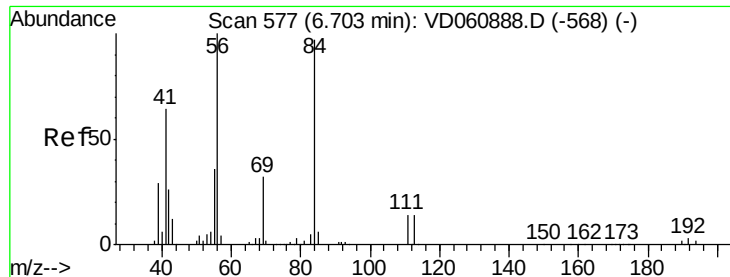
85 63.3 50.7 76.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

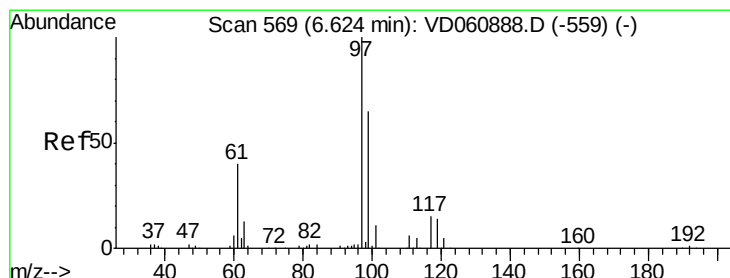
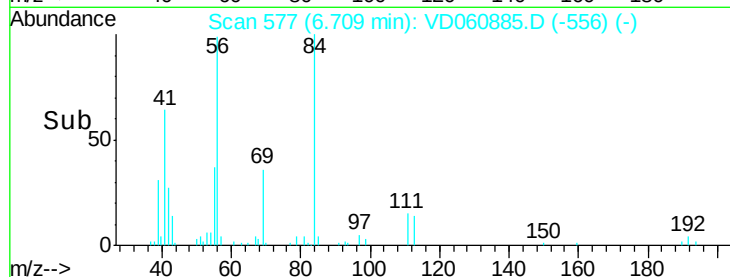
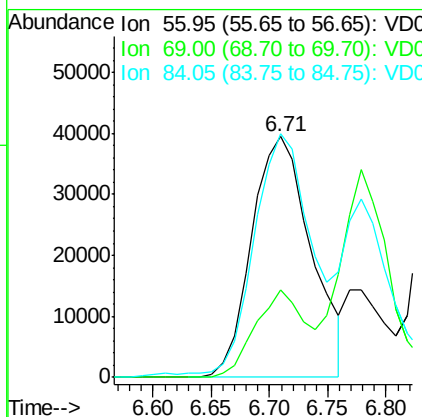
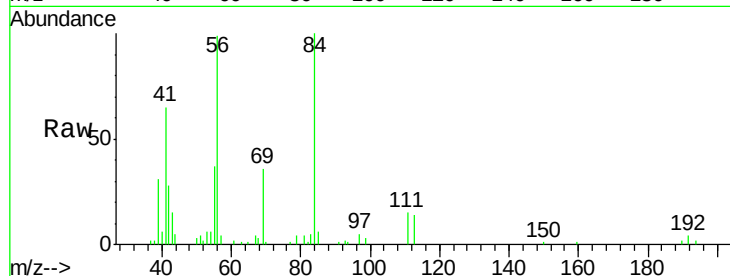




#31
Cyclohexane
Concen: 3.654 ug/l
RT: 6.71 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

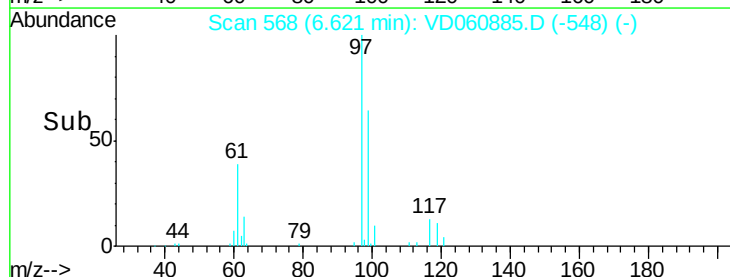
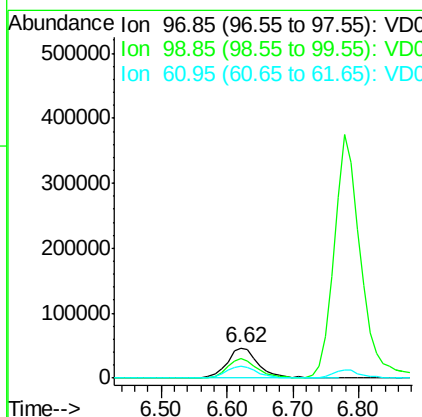
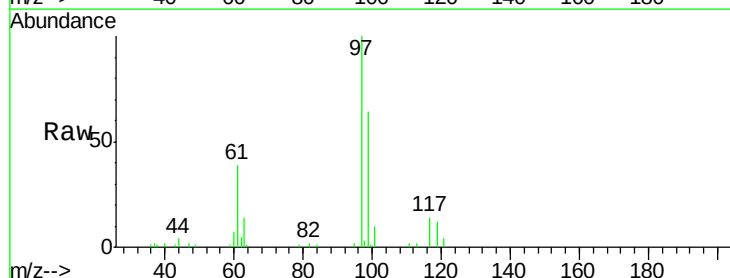
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

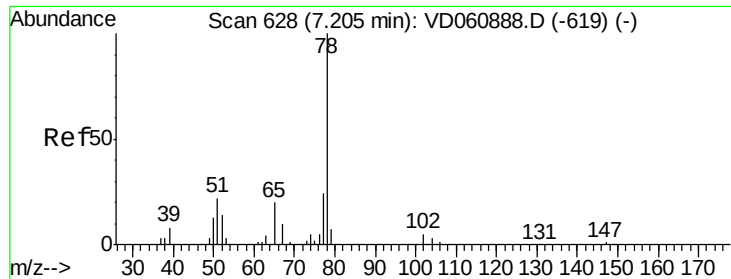
Tot Ion: 56 Resp: 139444
Ion Ratio Lower Upper
56 100
69 36.1 25.8 38.8
84 101.1 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 3.644 ug/l
RT: 6.62 min Scan# 568
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 97 Resp: 152887
Ion Ratio Lower Upper
97 100
99 64.1 51.9 77.9
61 38.6 32.0 48.0

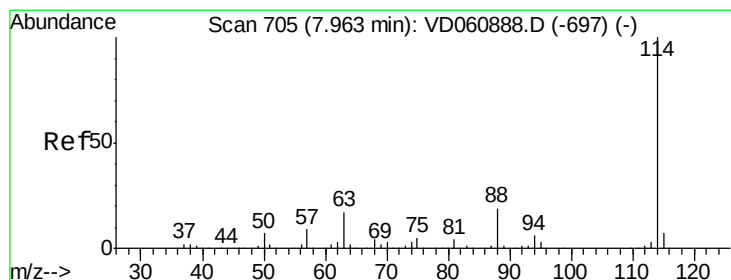
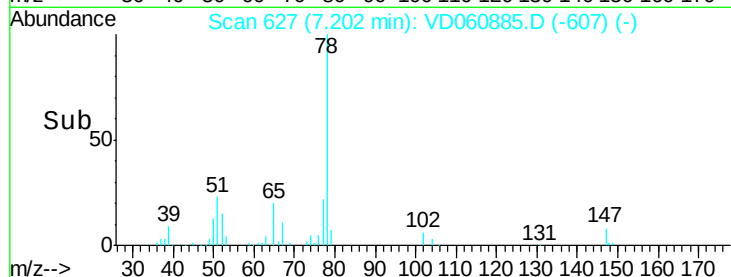
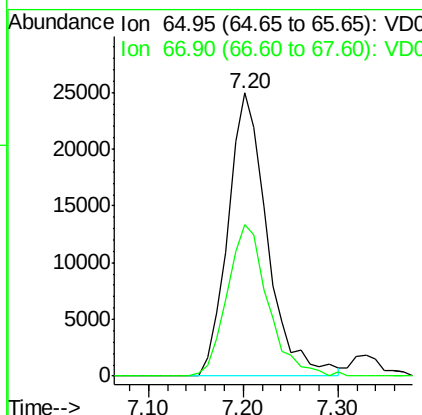
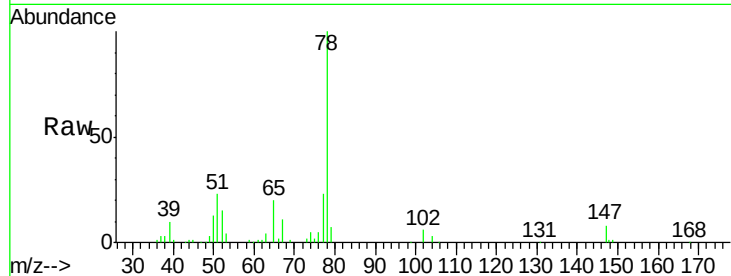




#33
 1,2-Dichloroethane-d4
 Concen: 3.644 ug/l
 RT: 7.20 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

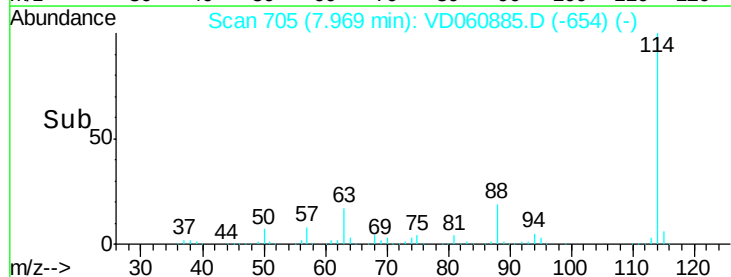
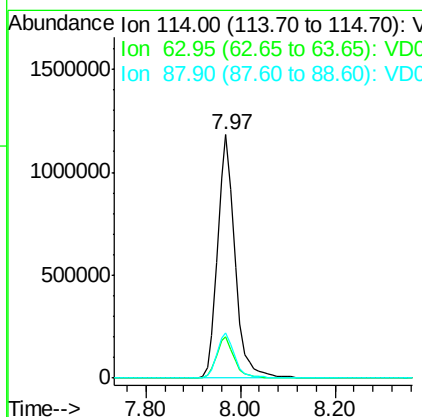
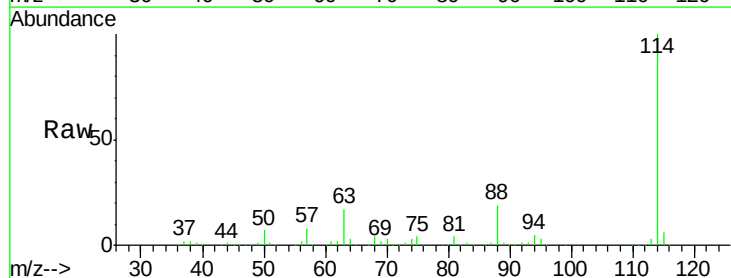
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

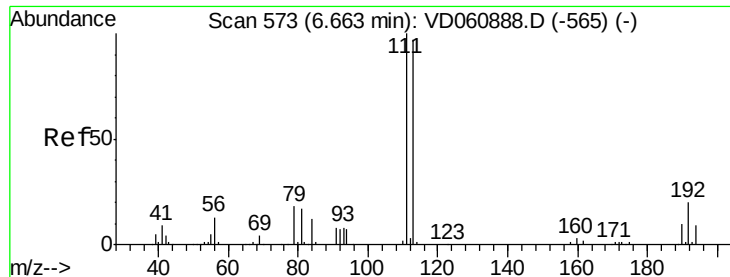
Tot Ion: 65 Resp: 71651
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 114 Resp: 3006849
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 33.4
 88 18.6 0.0 37.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.67 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

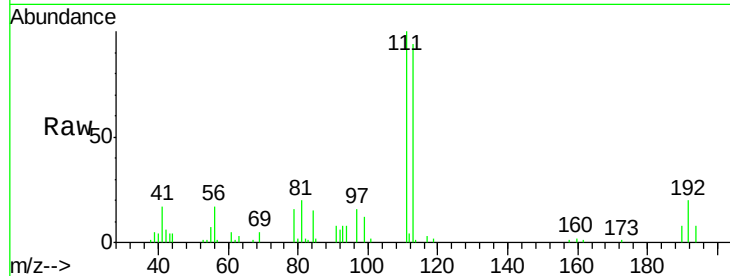
Tot Ion:113 Resp: 106929

Ion Ratio Lower Upper

113 100

111 106.5 82.6 123.8

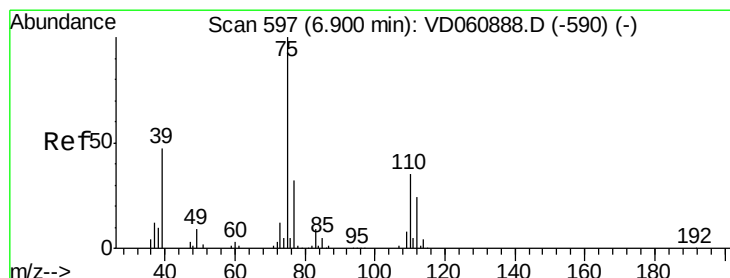
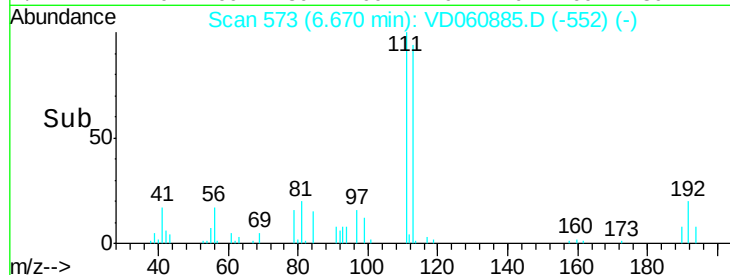
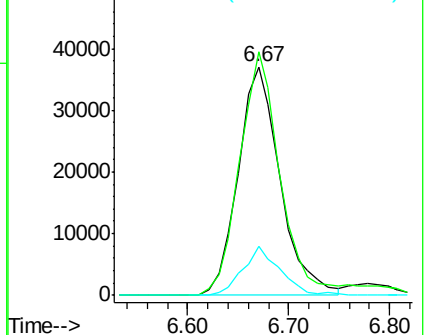
192 21.5 16.6 24.8



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: 4.499 ug/l

RT: 6.90 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

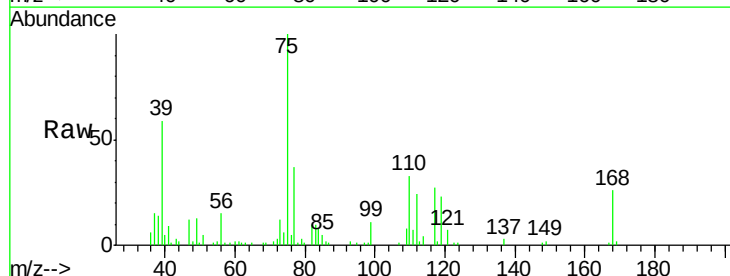
Tgt Ion: 75 Resp: 164907

Ion Ratio Lower Upper

75 100

110 33.4 17.5 52.5

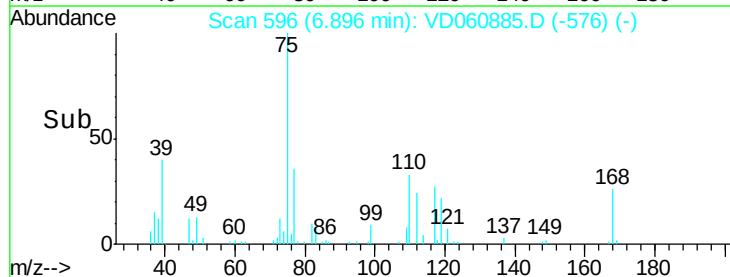
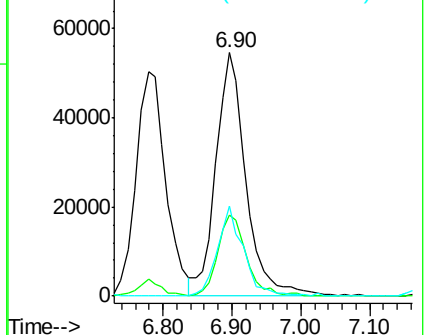
77 37.0 25.6 38.4

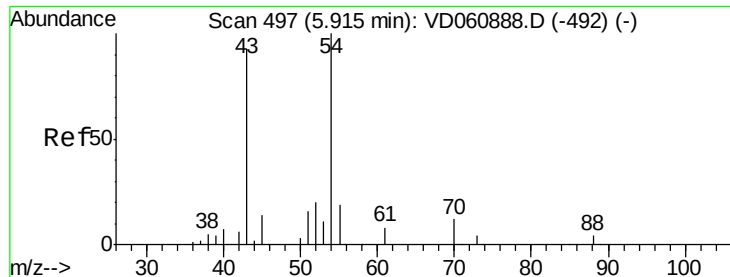


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

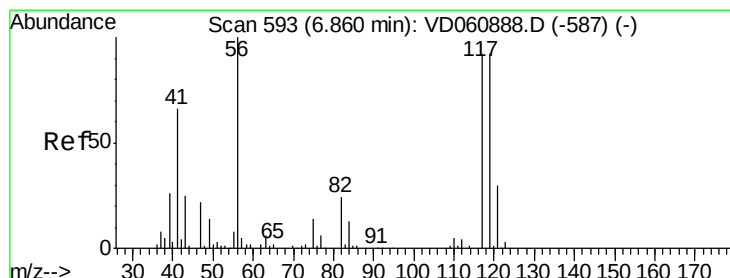
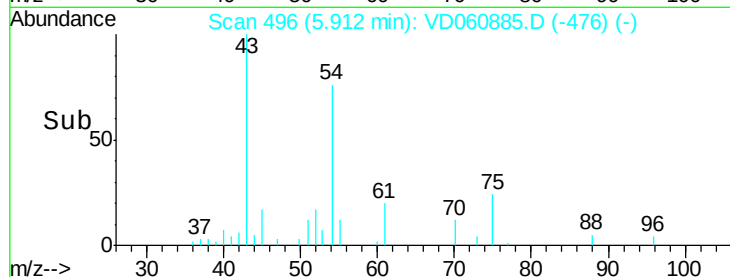
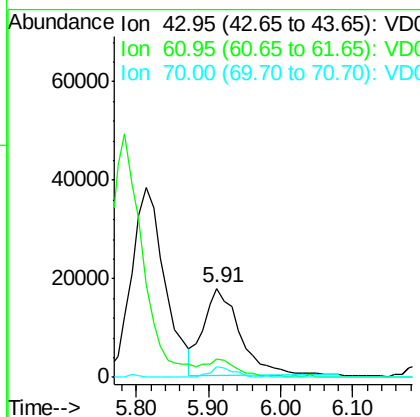
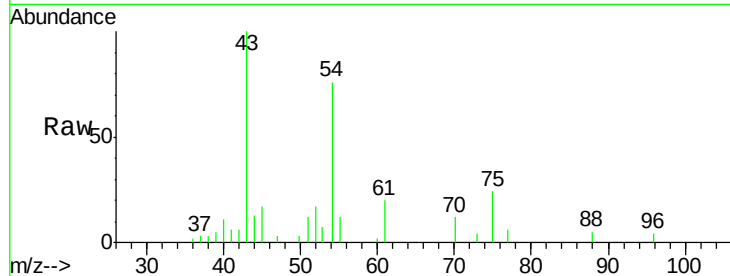




#37
Ethyl Acetate
Concen: 3.317 ug/l
RT: 5.91 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

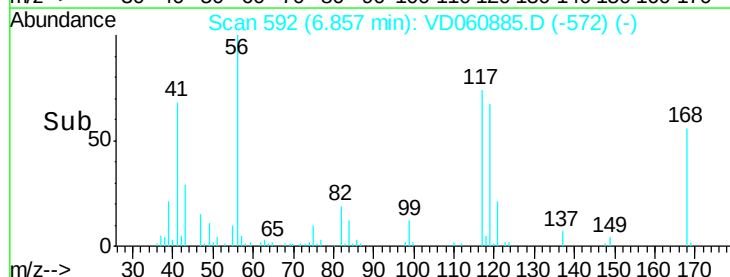
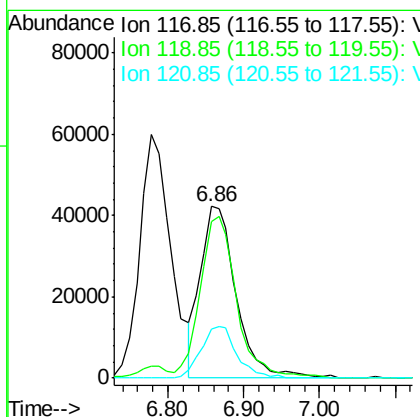
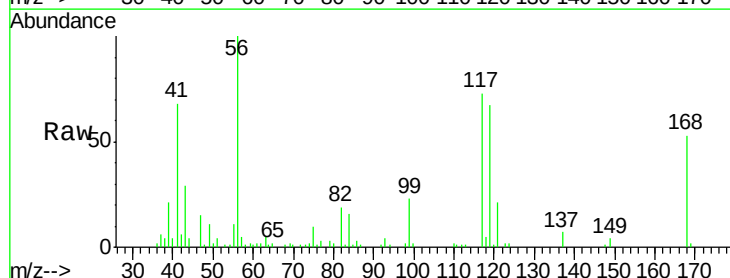
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

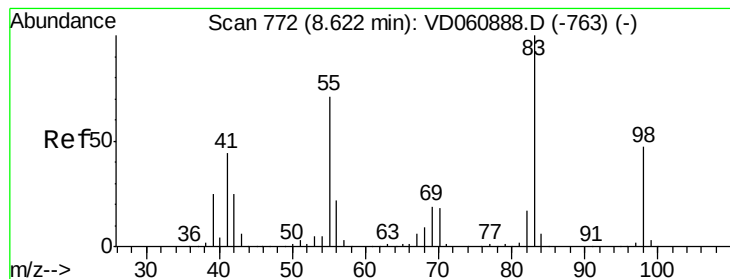
Tot Ion: 43 Resp: 62368
Ion Ratio Lower Upper
43 100
61 20.4 12.9 19.3#
70 11.7 8.1 12.1



#38
Carbon Tetrachloride
Concen: 3.715 ug/l
RT: 6.86 min Scan# 592
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 117 Resp: 139165
Ion Ratio Lower Upper
117 100
119 91.0 75.7 113.5
121 28.5 24.9 37.3





#39

Methylvlcyclohexane

Concen: 4.891 ug/l

RT: 8.63 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

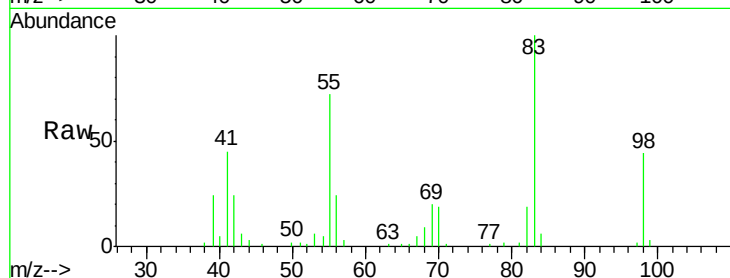
Tot Ion: 83 Resp: 174180

Ion Ratio Lower Upper

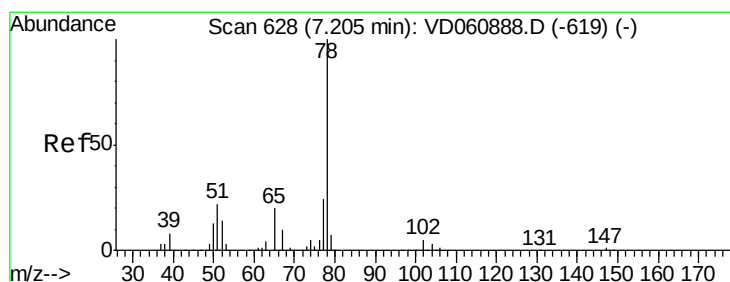
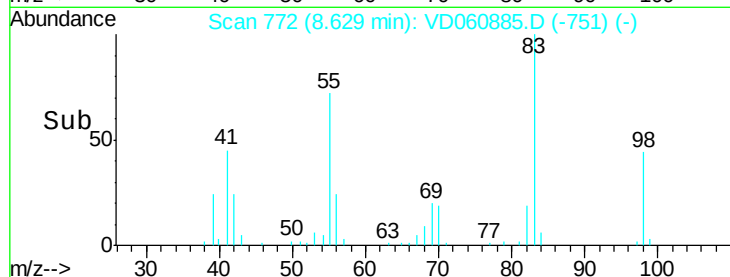
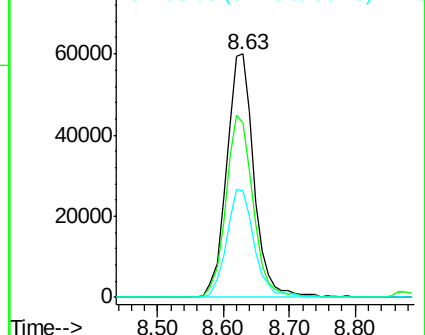
83 100

55 71.5 57.1 85.7

98 43.7 37.5 56.3



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: 4.542 ug/l

RT: 7.21 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD060885.D

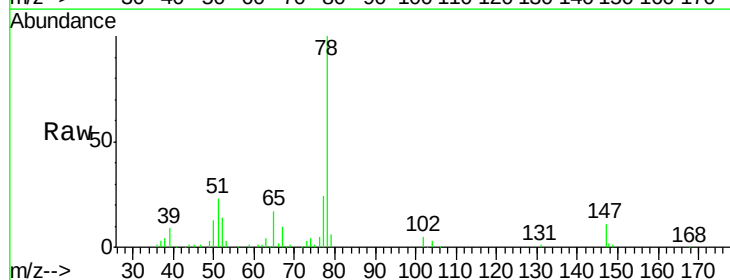
Acq: 21 Feb 2019 16:58

Tgt Ion: 78 Resp: 376419

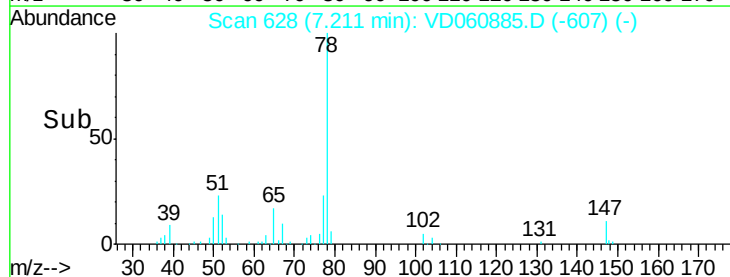
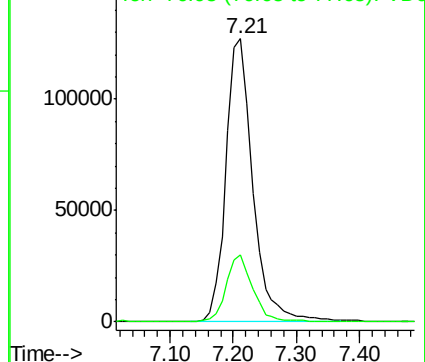
Ion Ratio Lower Upper

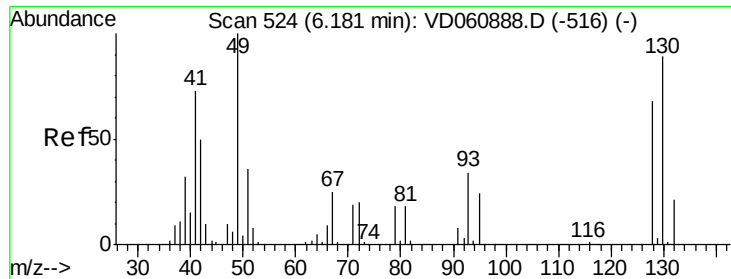
78 100

77 23.7 19.1 28.7



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

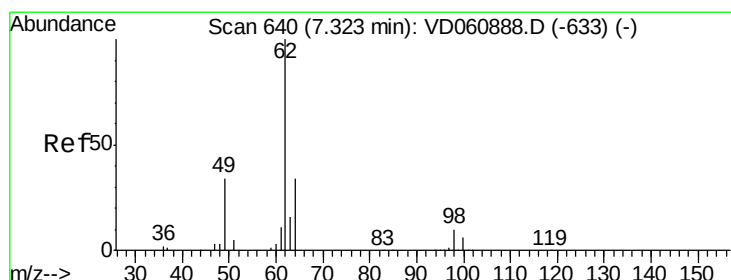
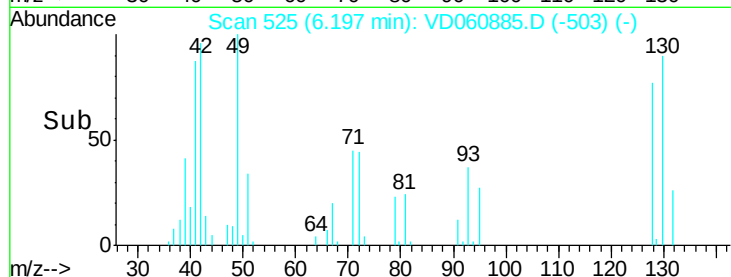
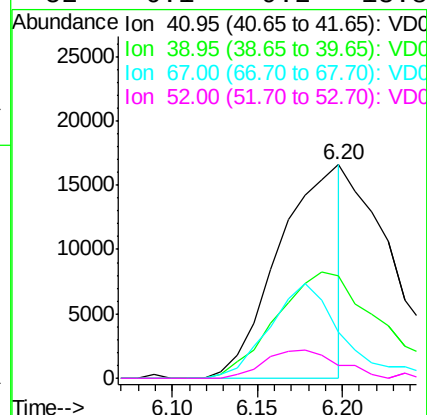
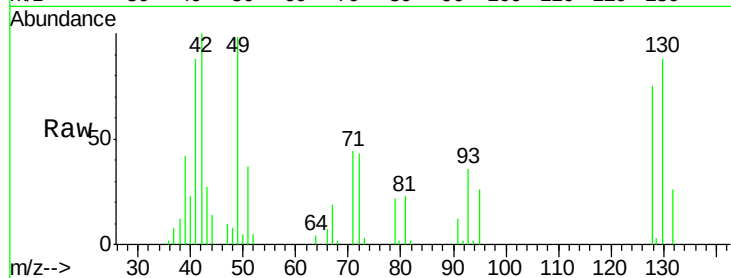




#41
Methacrylonitrile
Concen: 3.382 ug/l m
RT: 6.20 min Scan# 525
Delta R.T. 0.02 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

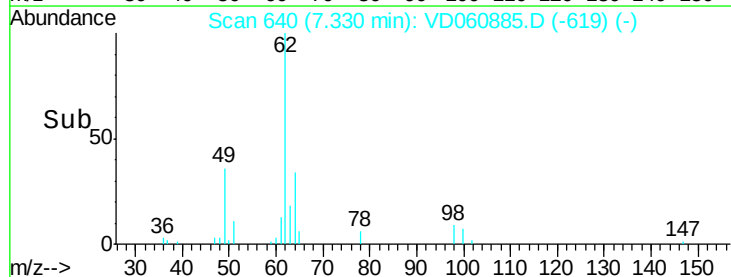
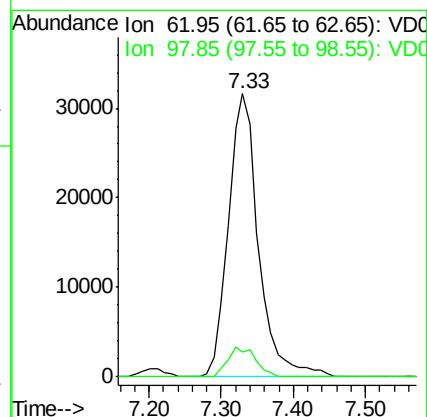
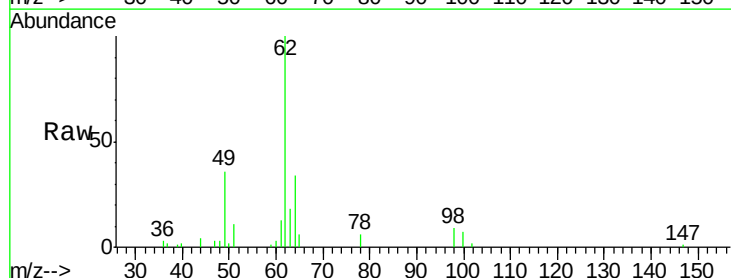
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

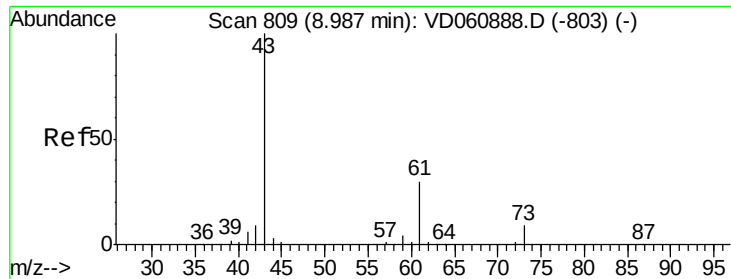
Tot Ion: 41 Resp: 43389
Ion Ratio Lower Upper
41 100
39 48.0 35.1 52.7
67 21.7 28.0 42.0#
52 6.1 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 2.868 ug/l
RT: 7.33 min Scan# 640
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 62 Resp: 91337
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 3.522 ug/l

RT: 8.99 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

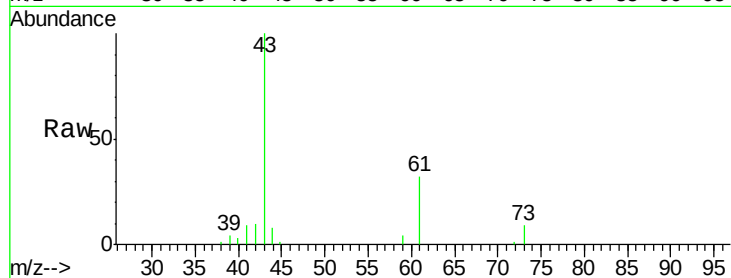
Tot Ion: 43 Resp: 84133

Ion Ratio Lower Upper

43 100

61 32.2 23.9 35.9

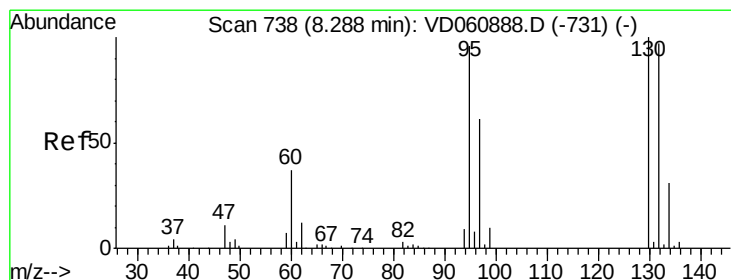
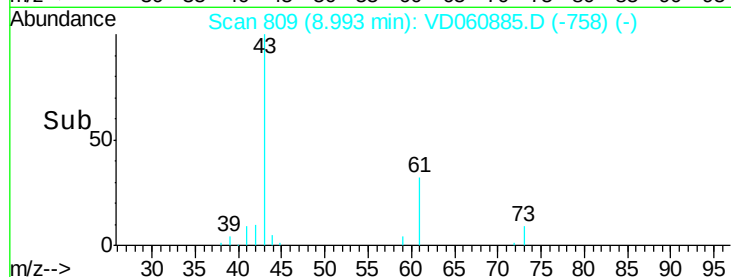
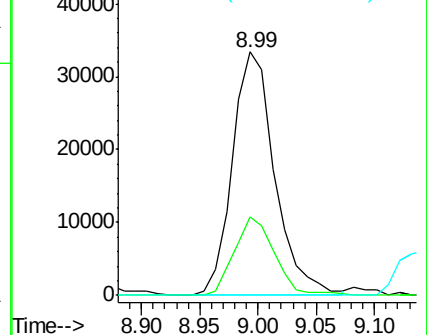
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.670 ug/l

RT: 8.29 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD060885.D

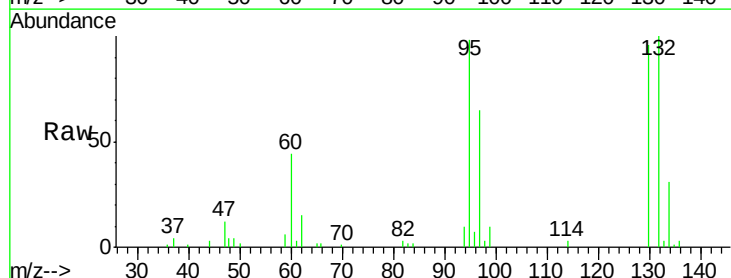
Acq: 21 Feb 2019 16:58

Tgt Ion:130 Resp: 115277

Ion Ratio Lower Upper

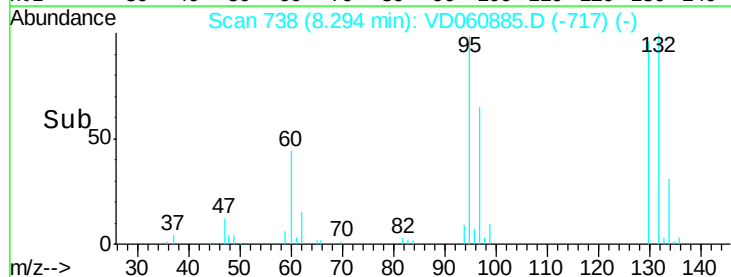
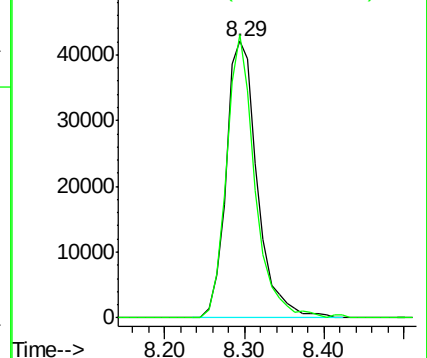
130 100

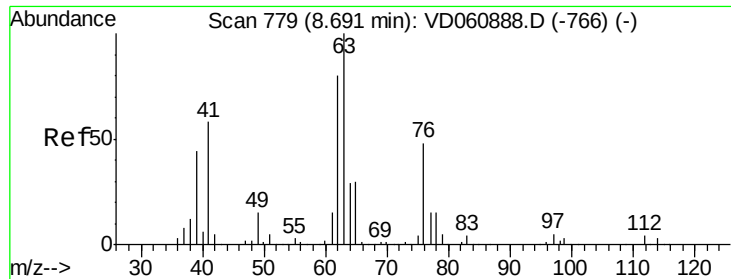
95 102.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

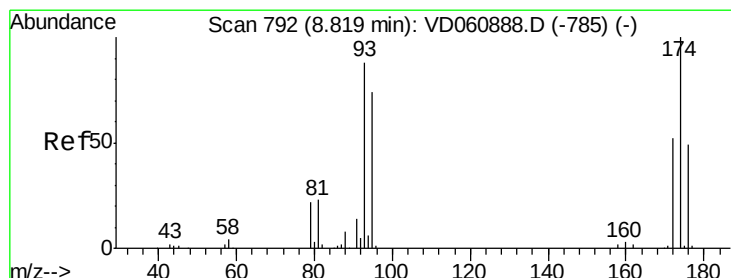
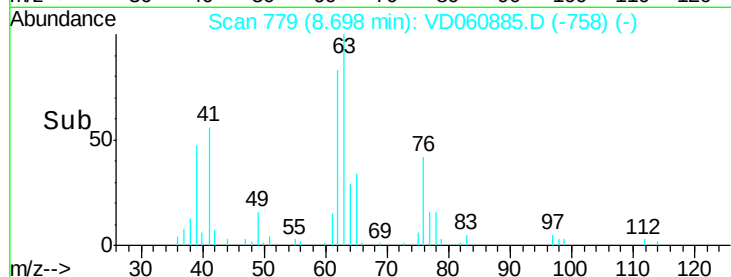
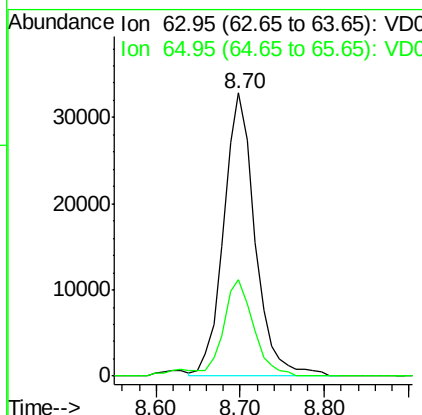
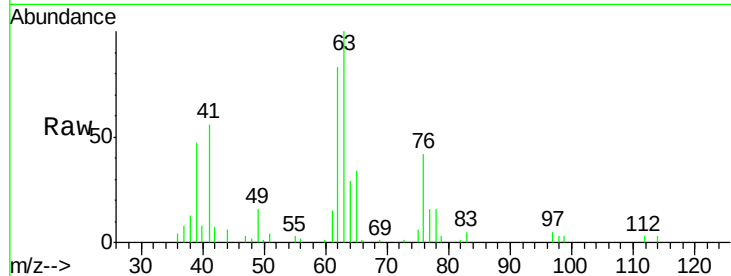




#45
 1,2-Dichloropropane
 Concen: 3.852 ug/l
 RT: 8.70 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

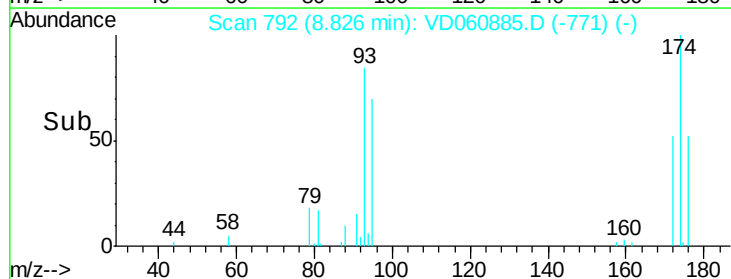
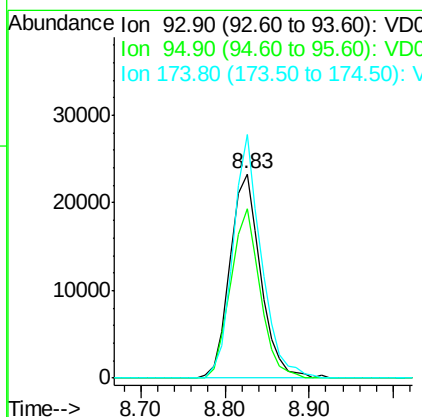
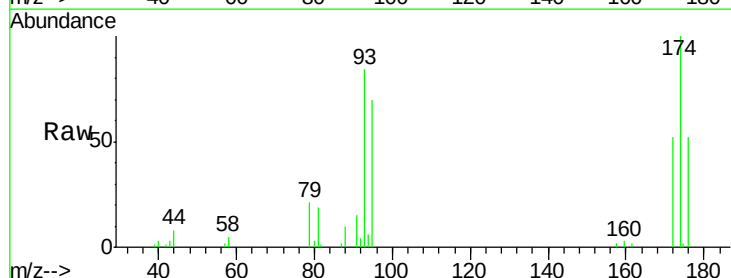
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

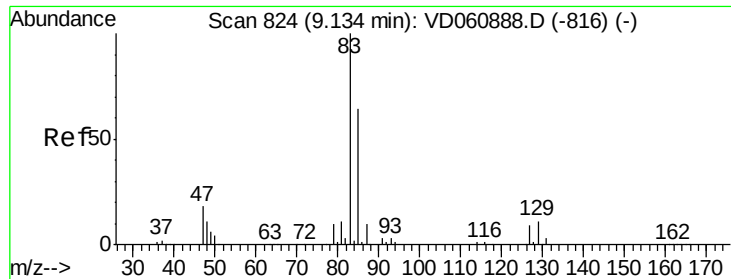
Tot Ion: 63 Resp: 85229
 Ion Ratio Lower Upper
 63 100
 65 34.0 24.1 36.1



#46
 Dibromomethane
 Concen: 4.178 ug/l
 RT: 8.83 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 93 Resp: 59273
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 119.2 91.1 136.7





#47

Bromodichloromethane

Concen: 3.859 ug/l

RT: 9.13 min Scan# 823

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

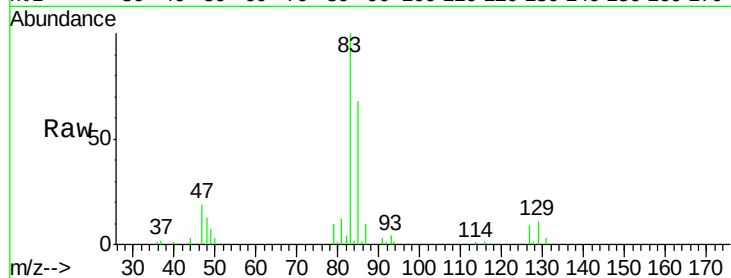
Tot Ion: 83 Resp: 136985

Ion Ratio Lower Upper

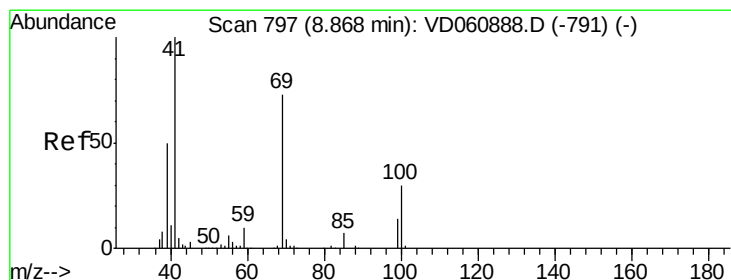
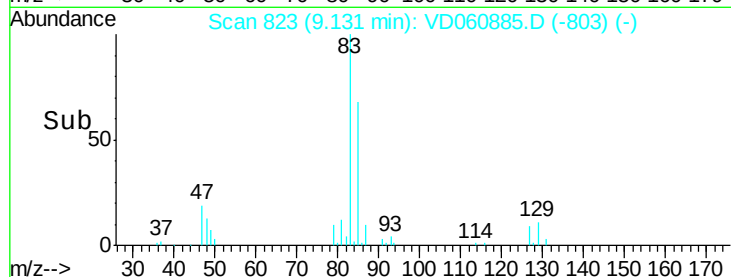
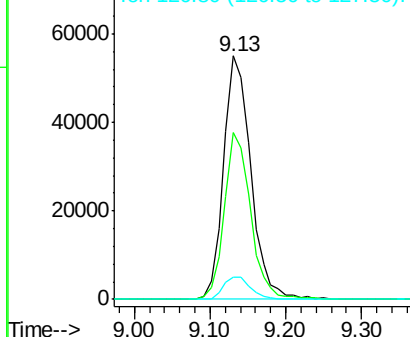
83 100

85 68.3 51.3 76.9

127 8.9 6.9 10.3



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: 2.983 ug/l

RT: 8.88 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

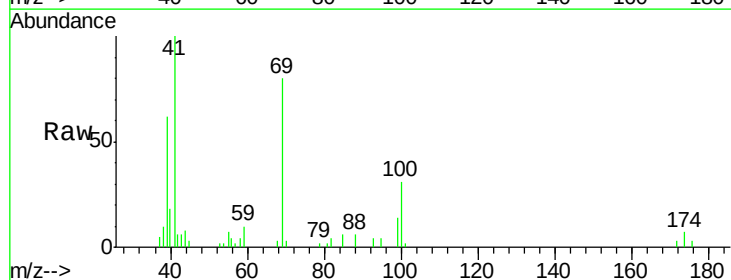
Tgt Ion: 41 Resp: 48029

Ion Ratio Lower Upper

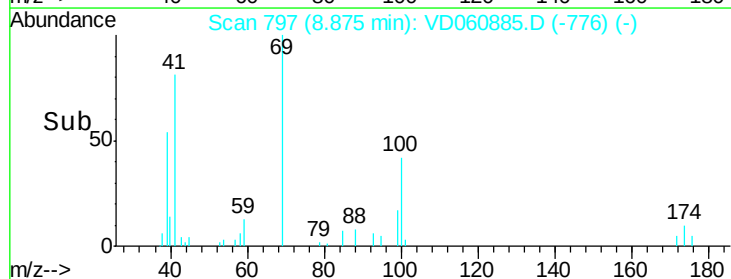
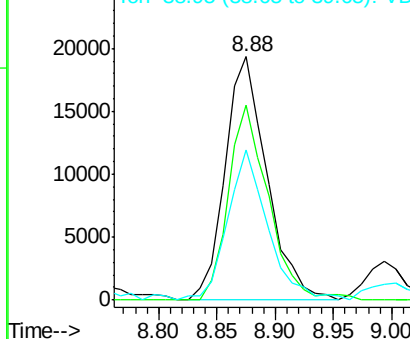
41 100

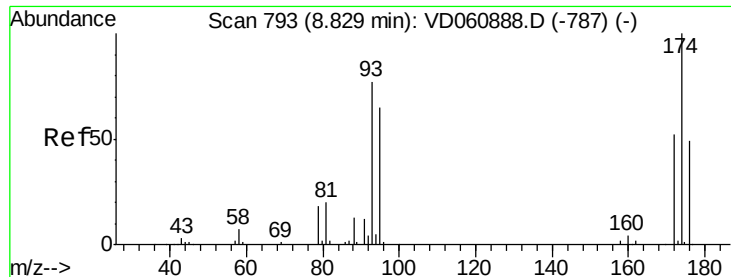
69 80.1 57.8 86.6

39 61.7 40.0 60.0#



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: 90.590 ug/l

RT: 8.84 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

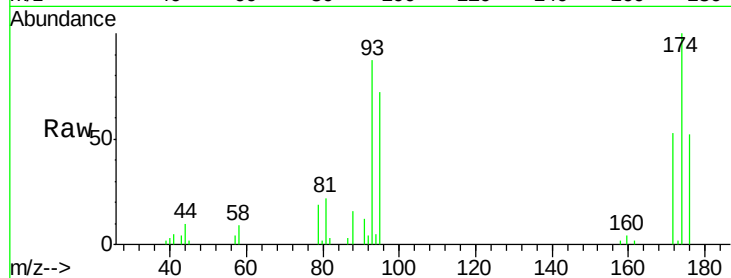
Tot Ion: 88 Resp: 10815

Ion Ratio Lower Upper

88 100

43 22.2 21.6 32.4

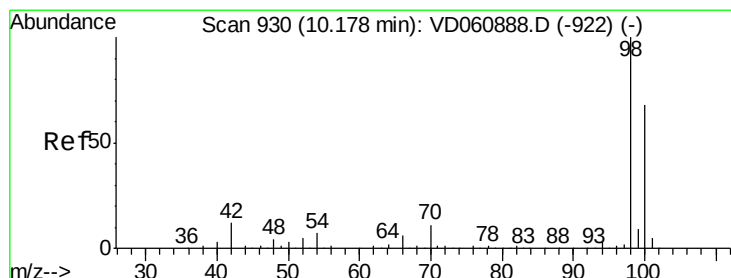
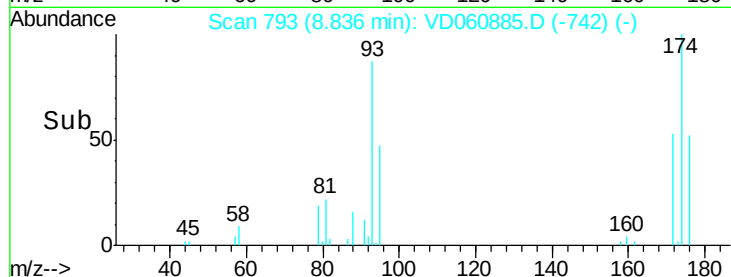
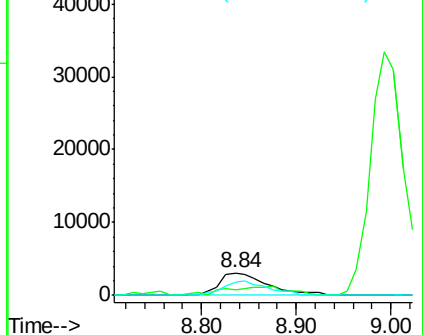
58 59.0 43.0 64.6



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: 90.590 ug/l

RT: 10.17 min Scan# 929

Delta R.T. -0.00 min

Lab File: VD060885.D

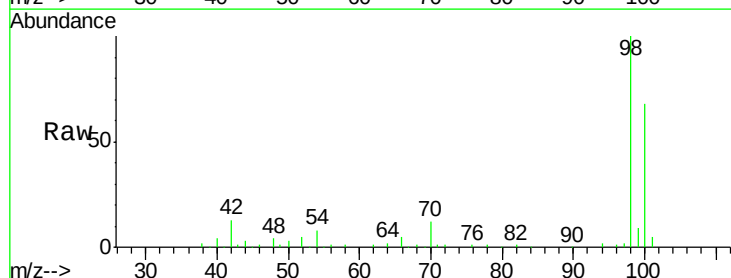
Acq: 21 Feb 2019 16:58

Tgt Ion: 98 Resp: 307726

Ion Ratio Lower Upper

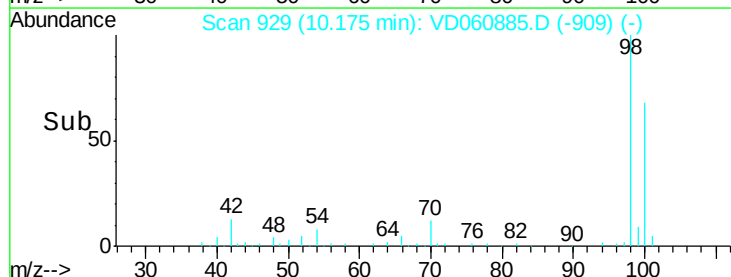
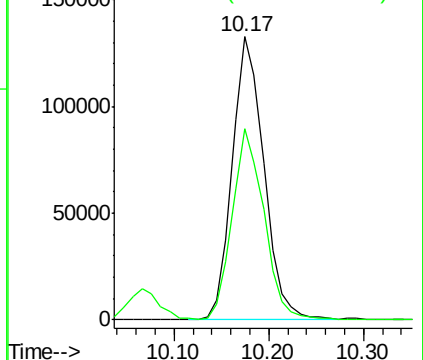
98 100

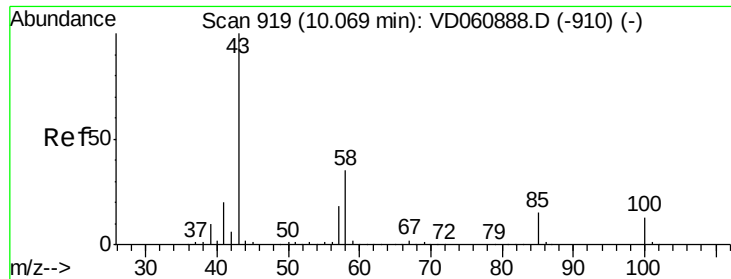
100 67.6 55.7 83.5



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: 19.135 ug/l

RT: 10.07 min Scan# 918

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

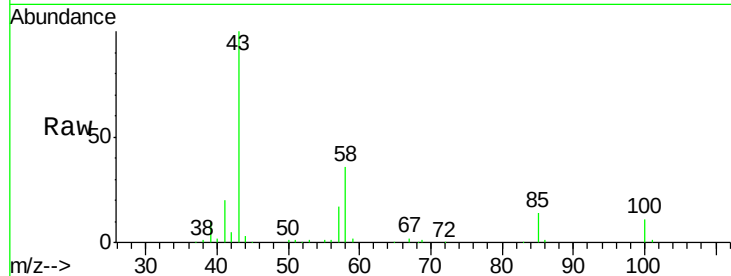
VSTDIC005

Tot Ion: 43 Resp: 294492

Ion Ratio Lower Upper

43 100

58 35.6 28.3 42.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.07

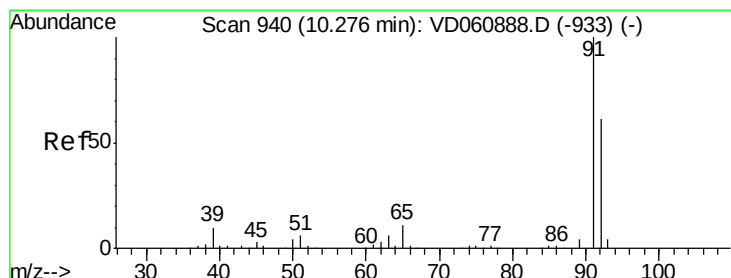
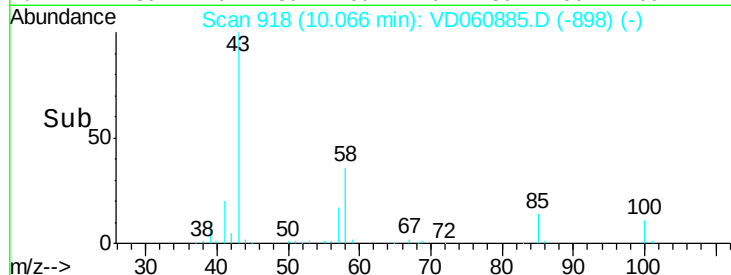
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 4.668 ug/l

RT: 10.27 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060885.D

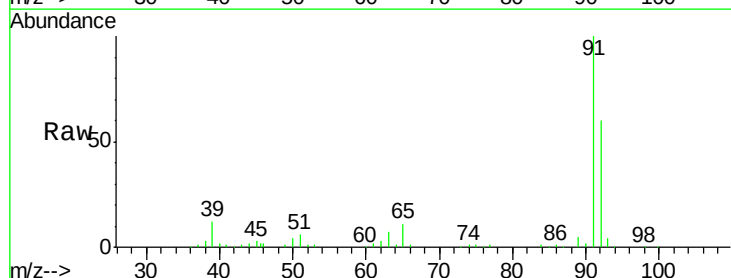
Acq: 21 Feb 2019 16:58

Tgt Ion: 92 Resp: 222653

Ion Ratio Lower Upper

92 100

91 165.4 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.27

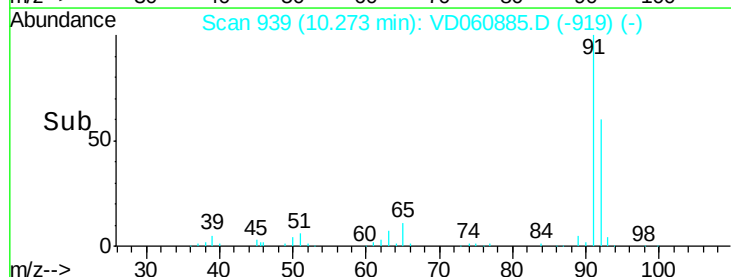
150000

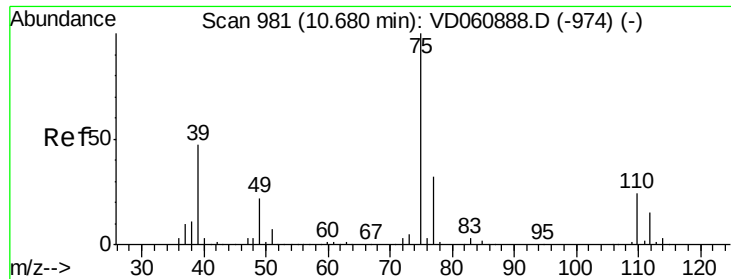
100000

50000

0

Time-->

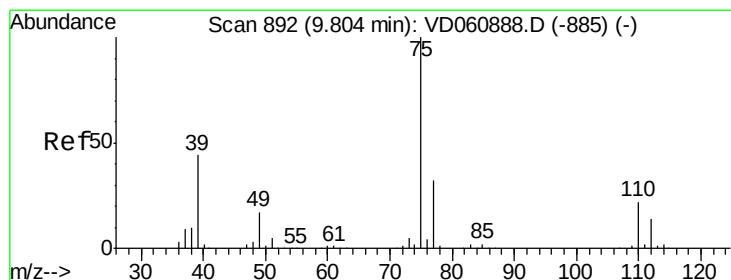
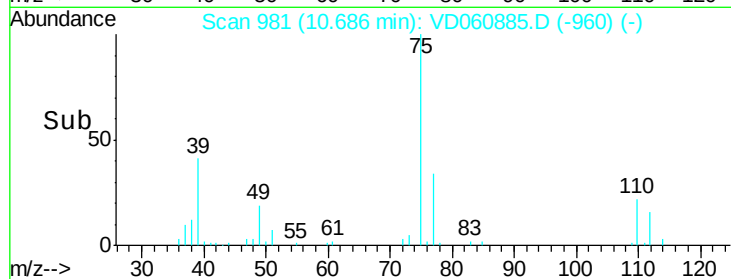
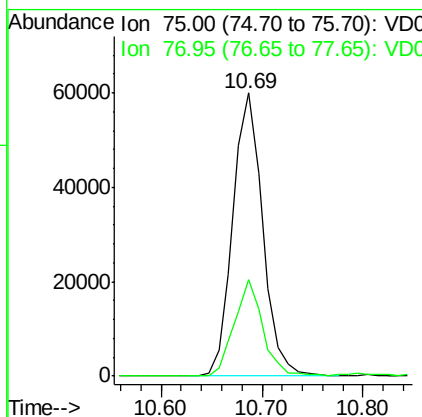
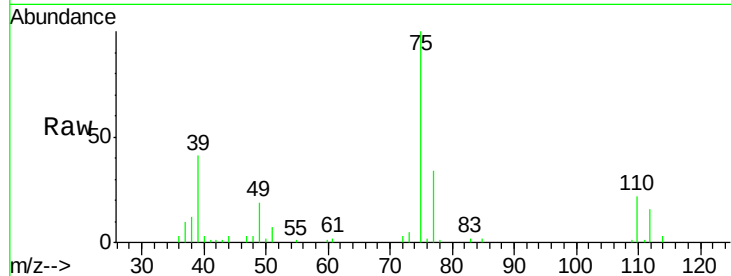




#53
 t-1,3-Dichloropropene
 Concen: 3.886 ug/l
 RT: 10.69 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

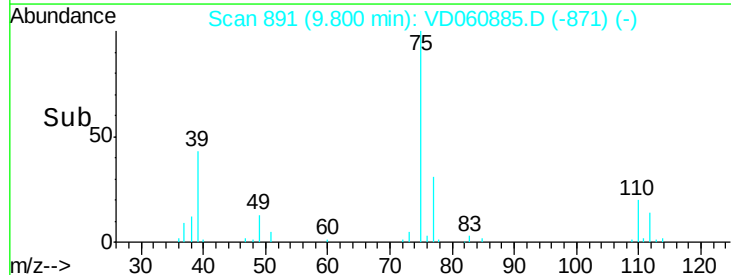
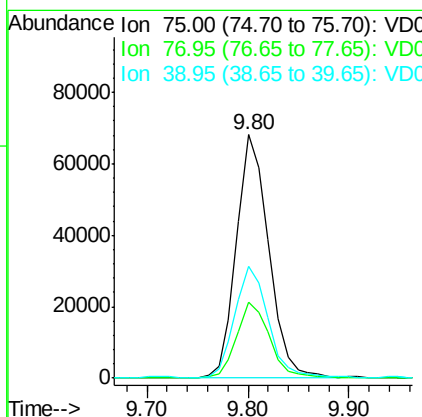
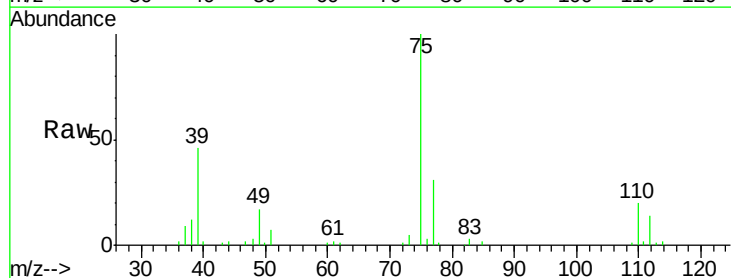
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

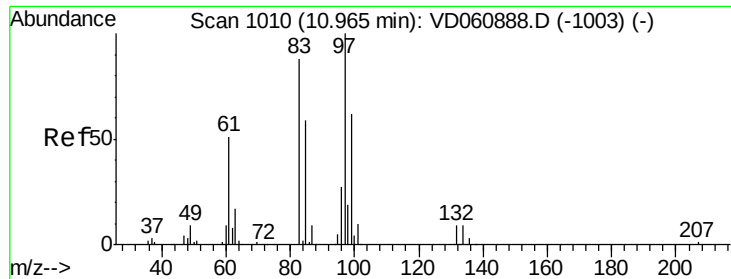
Tot Ion: 75 Resp: 123452
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 4.177 ug/l
 RT: 9.80 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 75 Resp: 152243
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9
 39 45.8 35.4 53.2

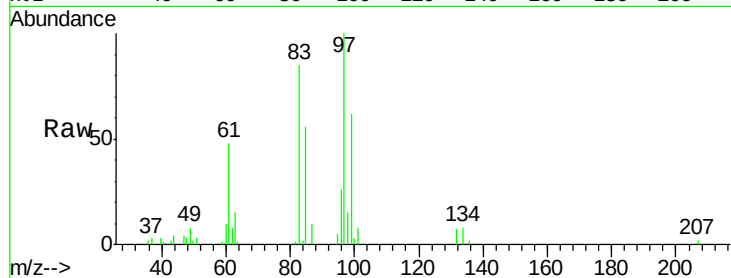




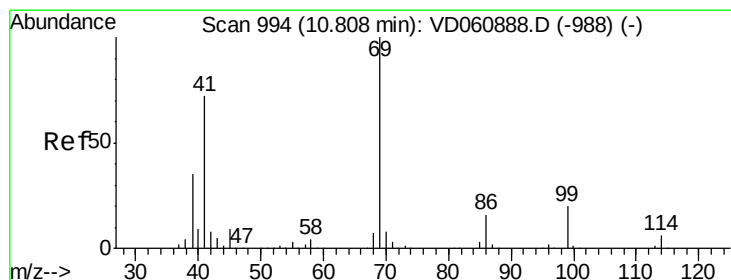
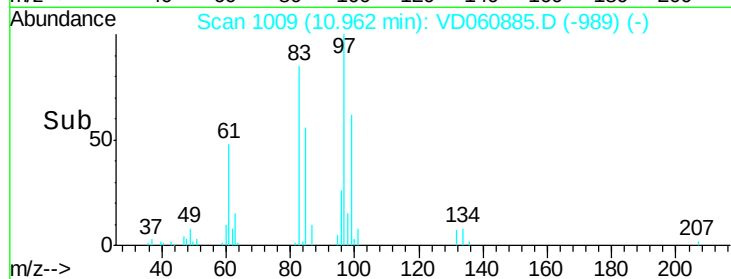
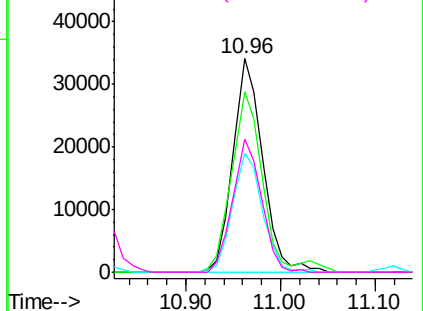
#55
 1,1,2-Trichloroethane
 Concen: 5.271 ug/l
 RT: 10.96 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 97 Resp: 74685
 Ion Ratio Lower Upper
 97 100
 83 84.7 70.8 106.2
 85 56.0 47.6 71.4
 99 62.4 49.6 74.4

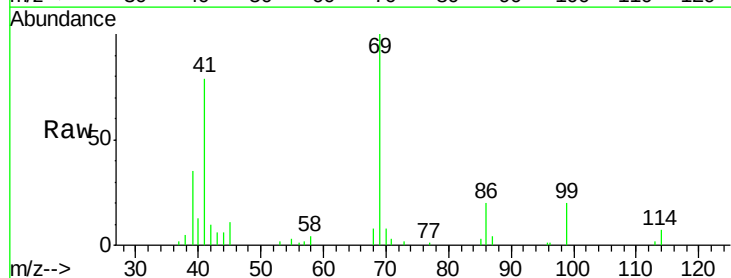


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

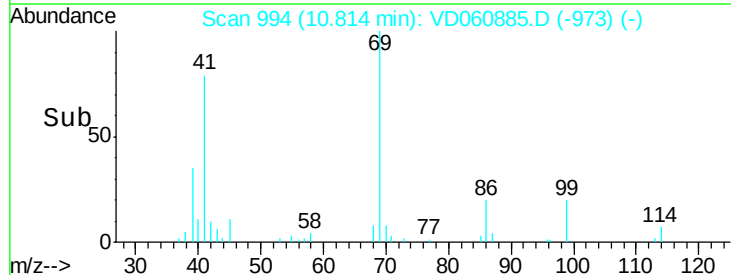
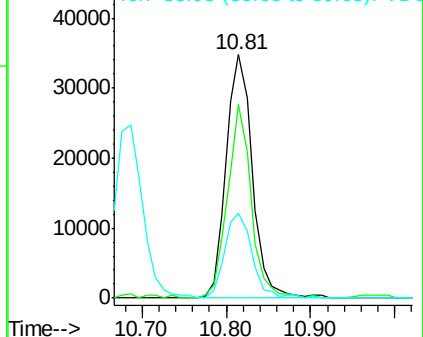


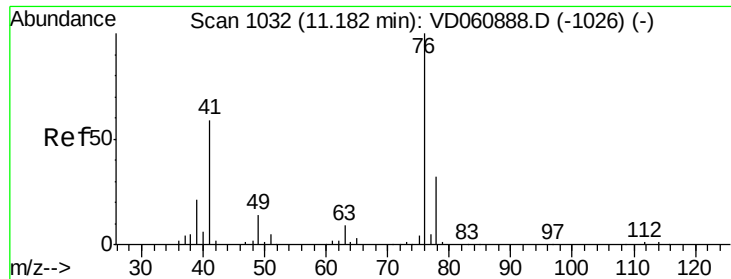
#56
 Ethyl methacrylate
 Concen: 4.166 ug/l
 RT: 10.81 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 69 Resp: 75488
 Ion Ratio Lower Upper
 69 100
 41 79.5 57.8 86.8
 39 34.7 28.6 43.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

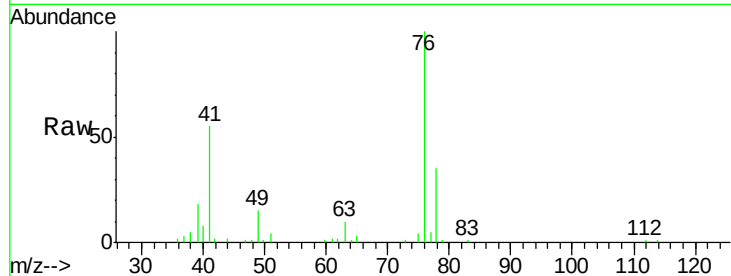




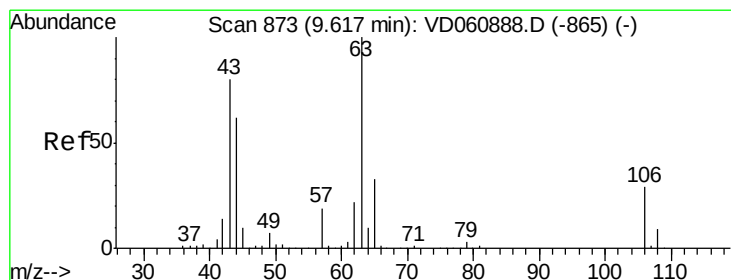
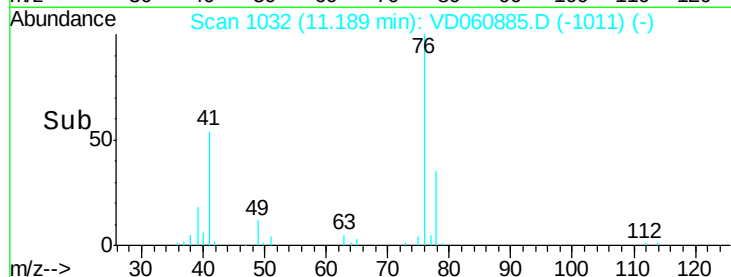
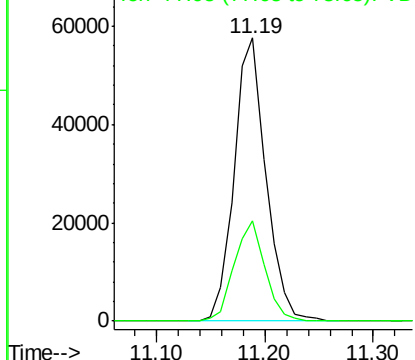
#57
 1,3-Dichloropropane
 Concen: 4.530 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 117343
 Ion Ratio Lower Upper
 76 100
 78 35.2 25.3 37.9

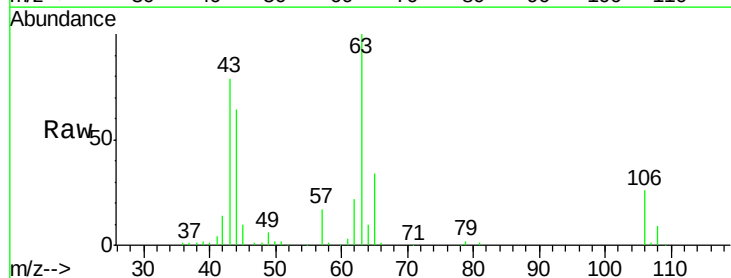


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

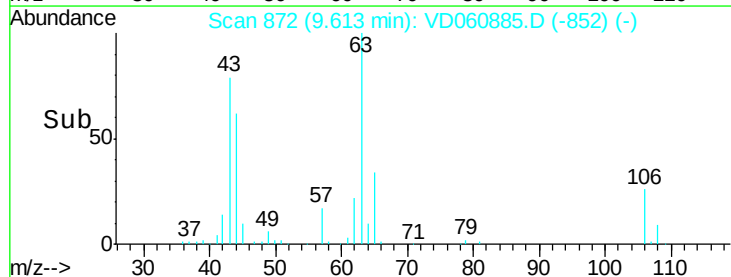
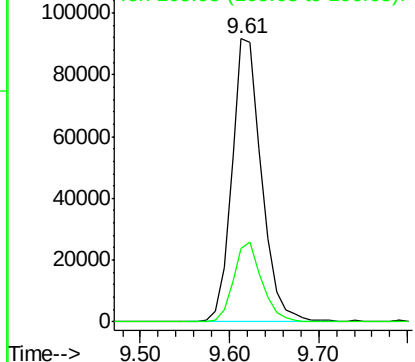


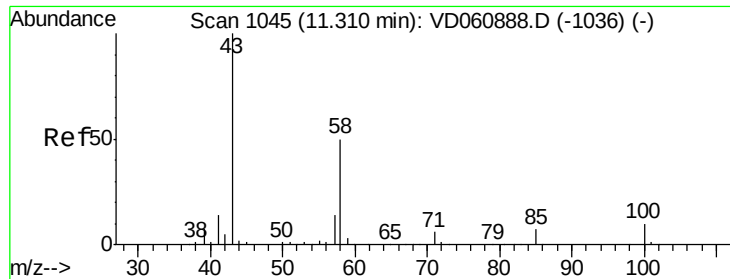
#58
 2-Chloroethyl Vinyl ether
 Concen: 23.298 ug/l
 RT: 9.61 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion: 63 Resp: 212902
 Ion Ratio Lower Upper
 63 100
 106 26.1 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

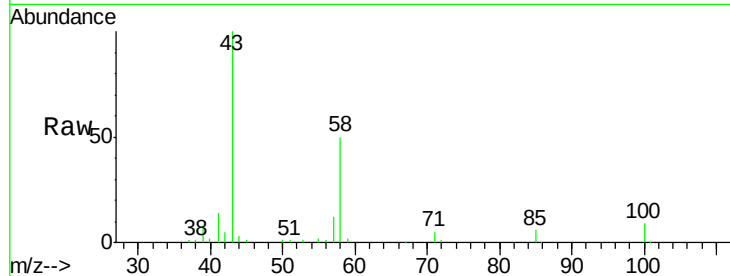




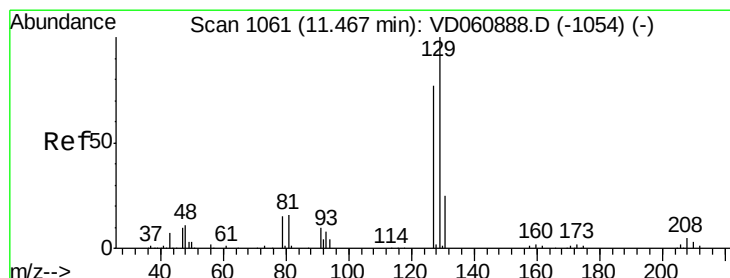
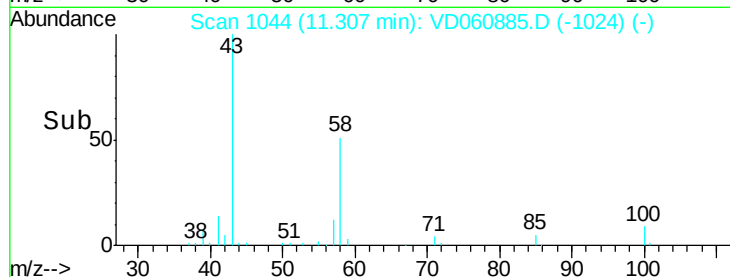
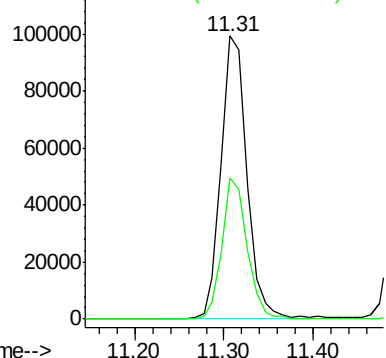
#59
2-Hexanone
Concen: 17.524 ug/l
RT: 11.31 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 198644
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.3

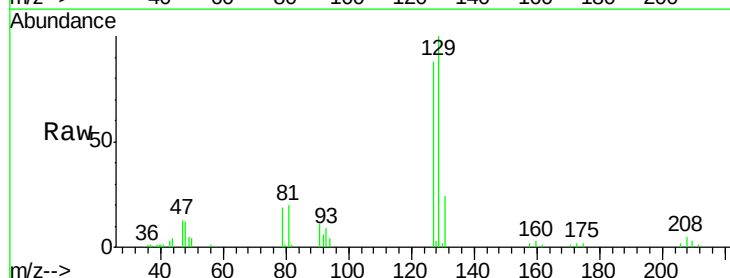


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

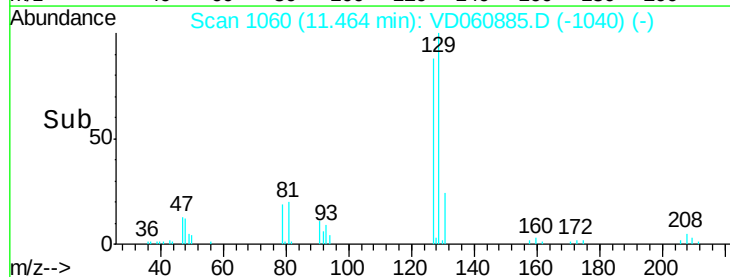
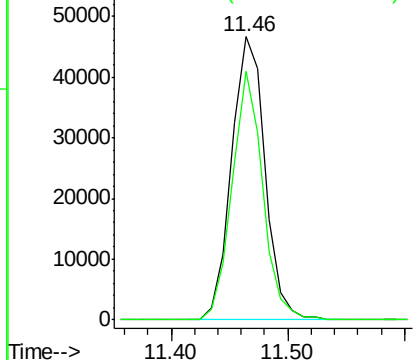


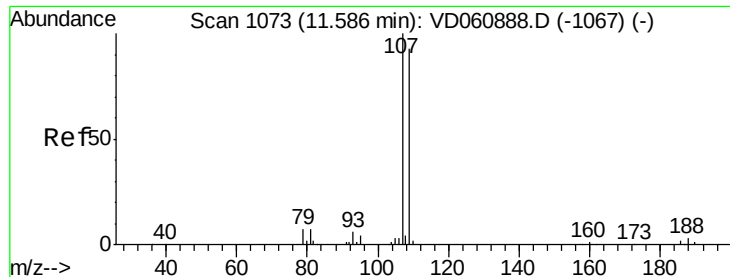
#60
Dibromochloromethane
Concen: 4.065 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:129 Resp: 92808
Ion Ratio Lower Upper
129 100
127 88.0 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.470 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

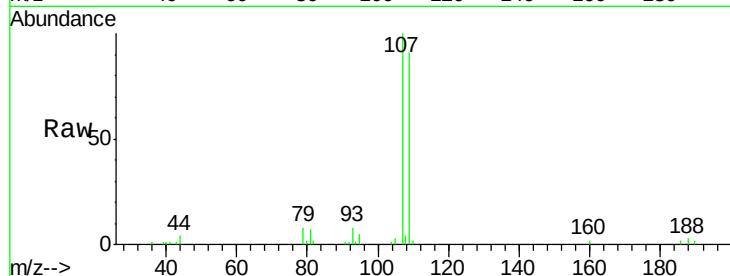
VSTDIC005

Tot Ion:107 Resp: 75052

Ion Ratio Lower Upper

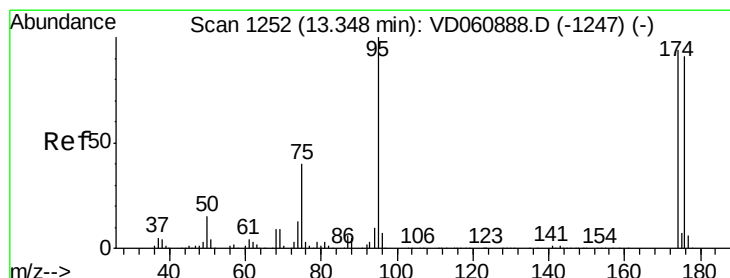
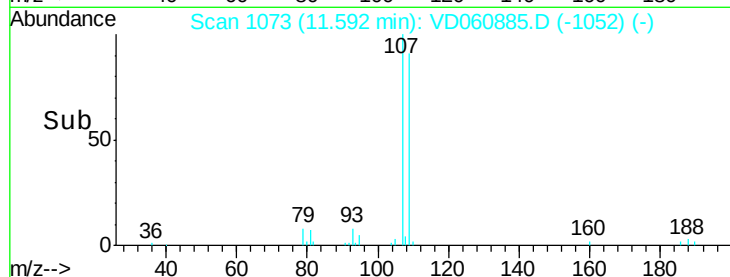
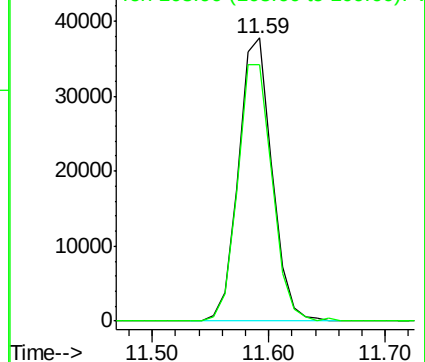
107 100

109 90.8 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.470 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

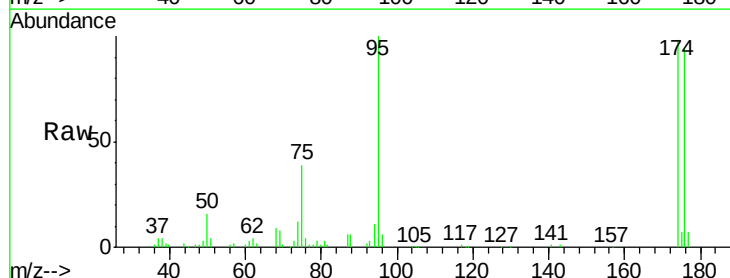
Tgt Ion: 95 Resp: 120867

Ion Ratio Lower Upper

95 100

174 98.4 0.0 188.0

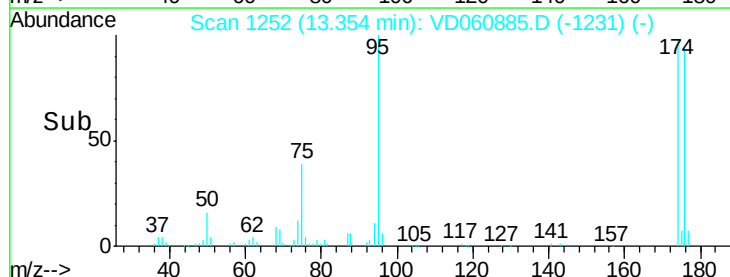
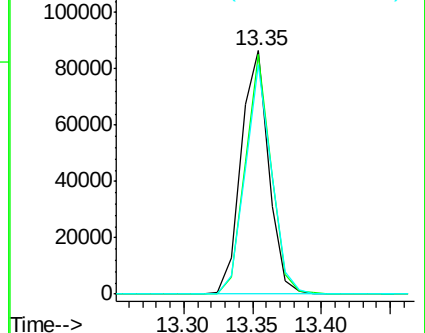
176 94.1 0.0 181.2

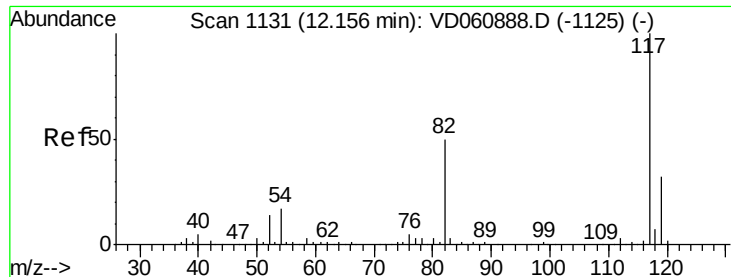


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

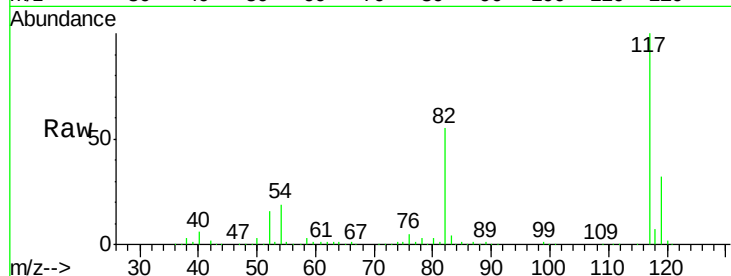




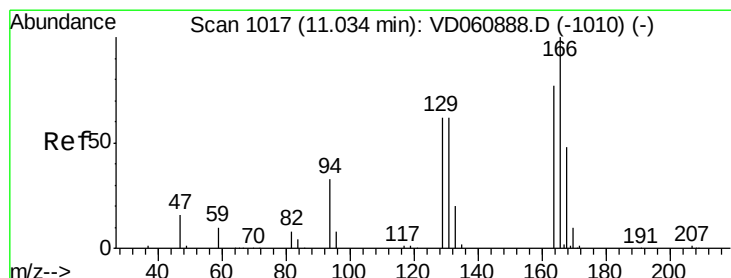
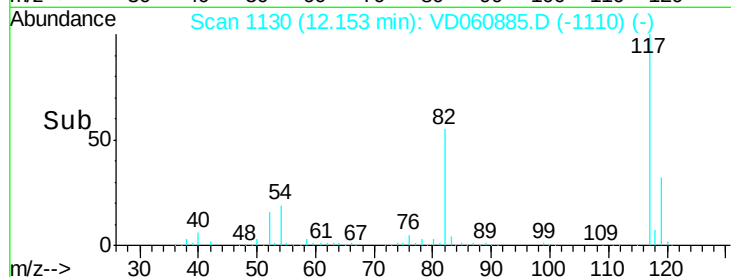
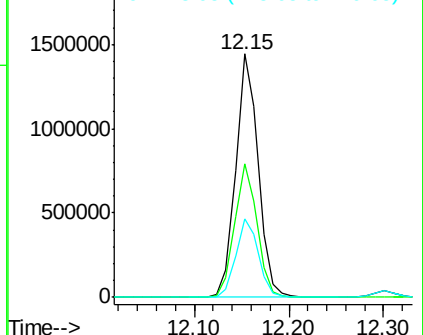
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 2370176
Ion Ratio Lower Upper
117 100
82 54.8 40.3 60.5
119 32.3 25.8 38.6

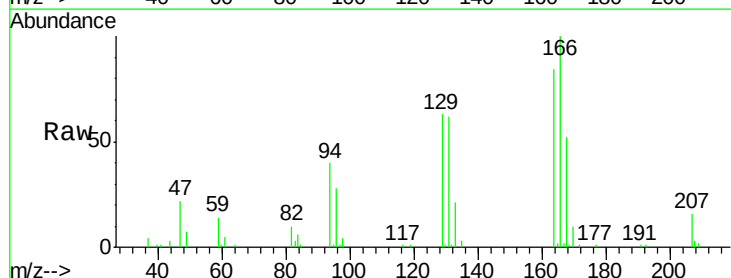


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

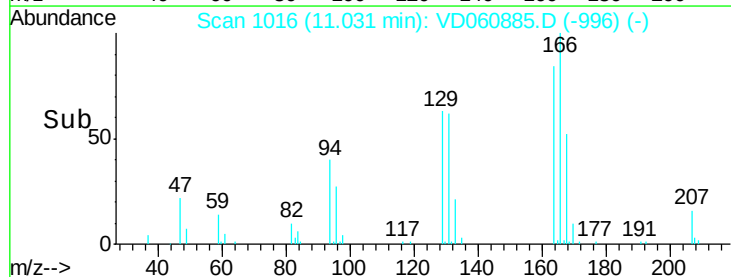
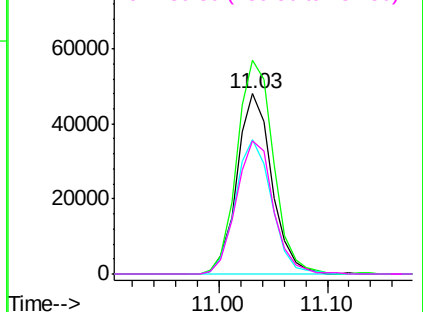


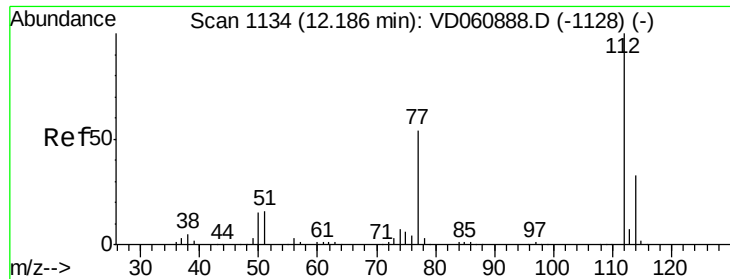
#64
Tetrachloroethene
Concen: 4.799 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:164 Resp: 106860
Ion Ratio Lower Upper
164 100
166 118.7 103.9 155.9
129 74.9 64.4 96.6
131 74.1 64.2 96.4



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

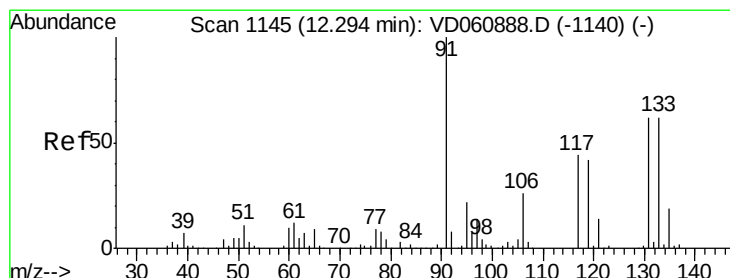
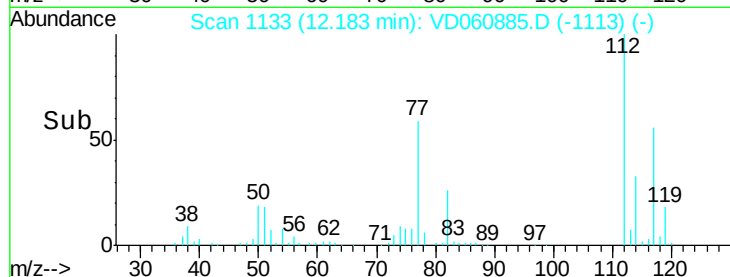
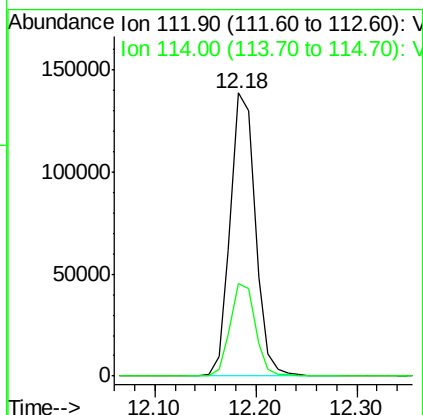
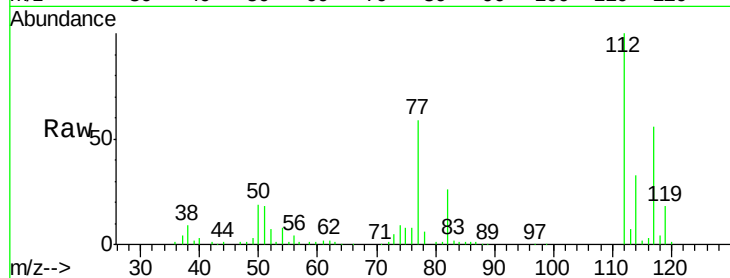




#65
Chlorobenzene
Concen: 4.876 ug/l
RT: 12.18 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

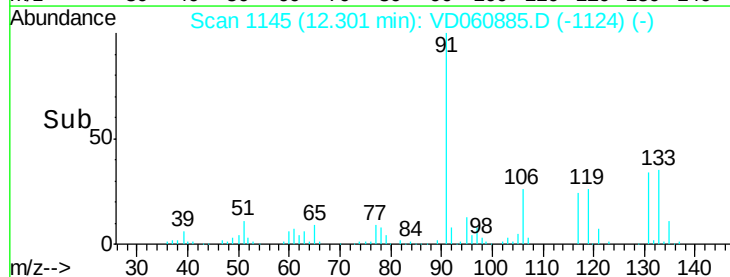
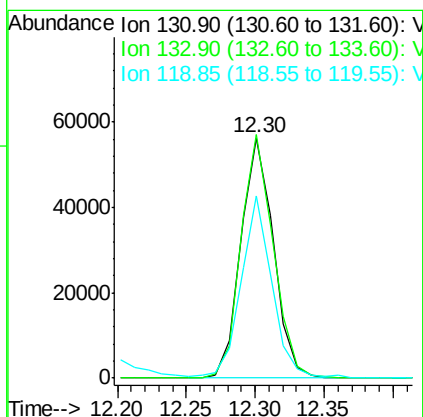
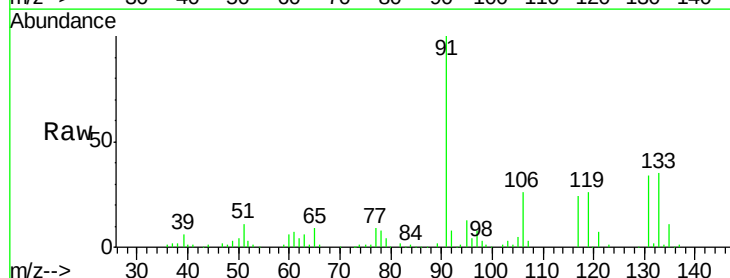
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

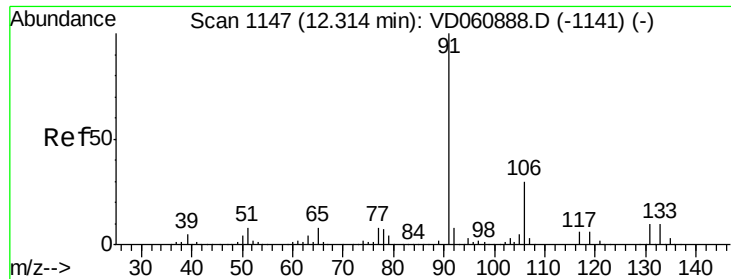
Tot Ion:112 Resp: 239997
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 4.372 ug/l
RT: 12.30 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:131 Resp: 92993
Ion Ratio Lower Upper
131 100
133 101.4 49.3 147.9
119 76.1 33.5 100.5

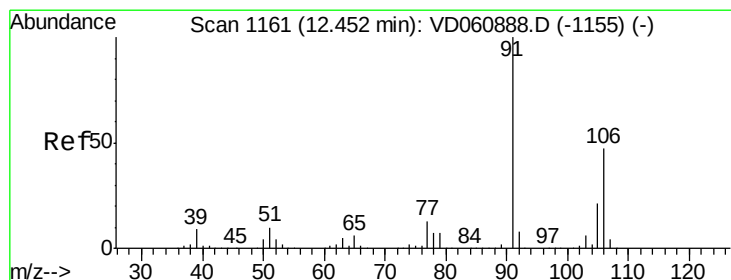
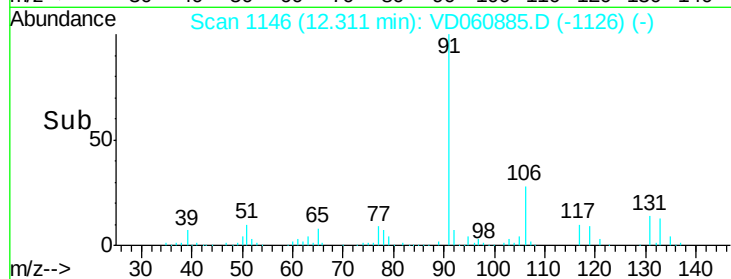
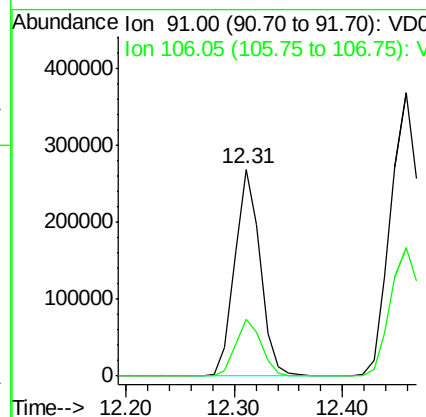
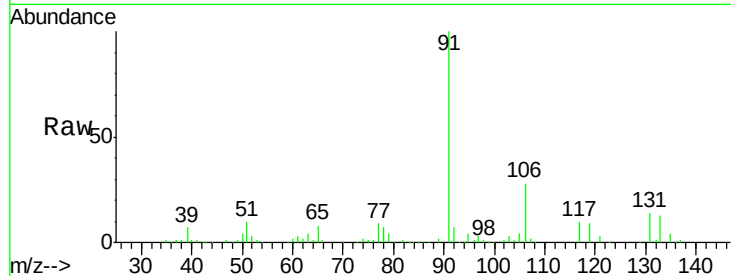




#67
Ethyl Benzene
Concen: 4.753 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

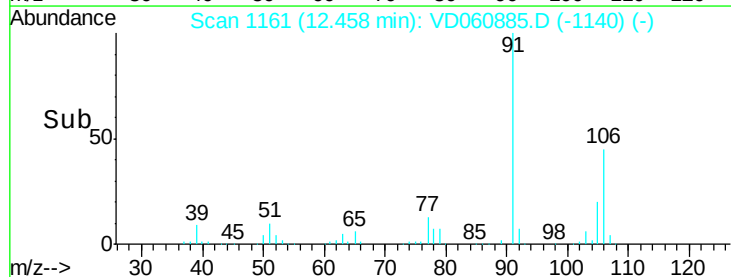
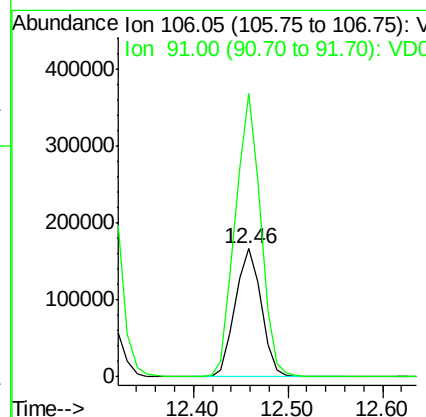
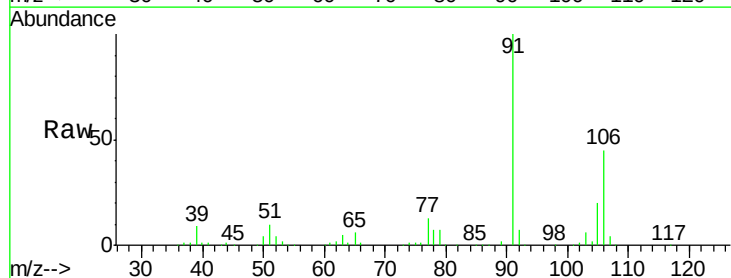
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

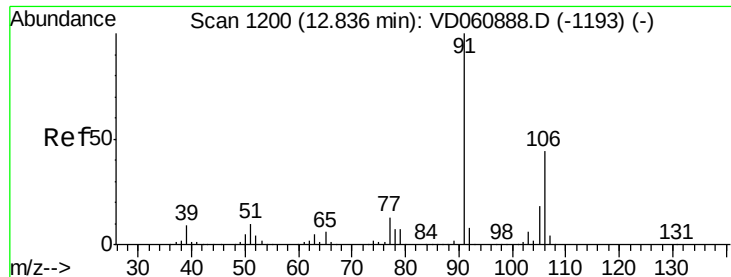
Tot Ion: 91 Resp: 441160
Ion Ratio Lower Upper
91 100
106 27.6 23.7 35.5



#68
m/p-Xylenes
Concen: 10.228 ug/l
RT: 12.46 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 106 Resp: 319027
Ion Ratio Lower Upper
106 100
91 220.5 169.6 254.4

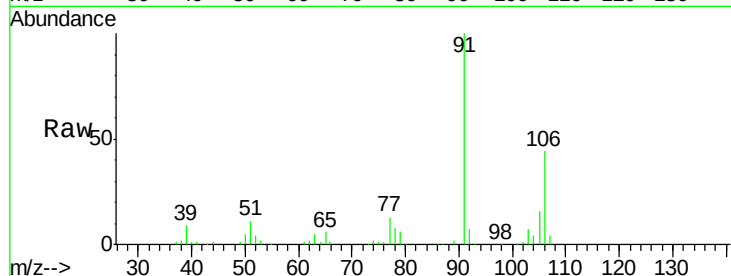




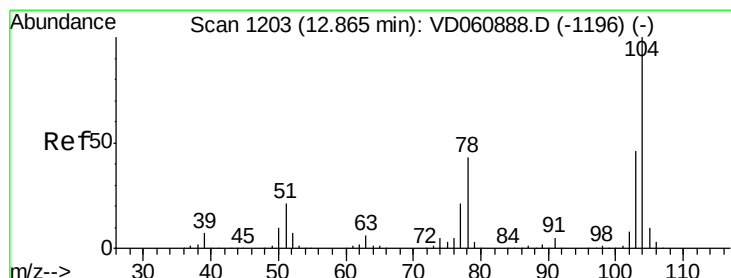
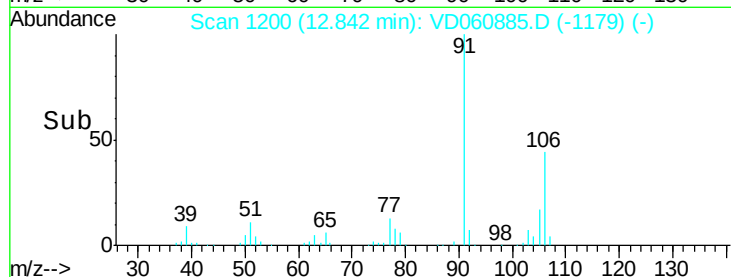
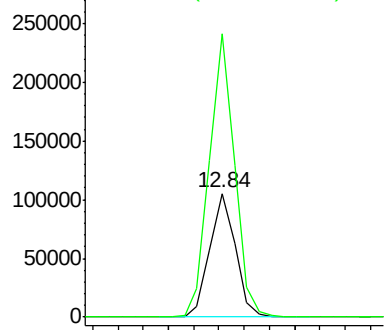
#69
o-Xylene
Concen: 4.984 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 147862
Ion Ratio Lower Upper
106 100
91 228.3 113.7 341.1

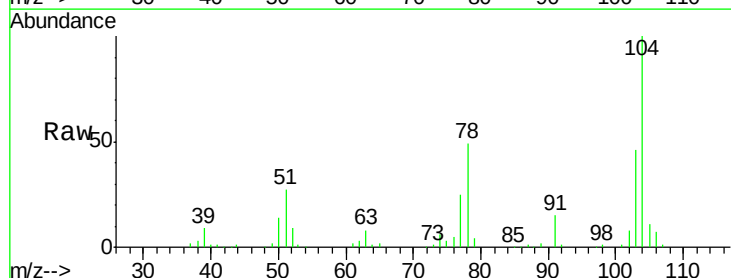


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

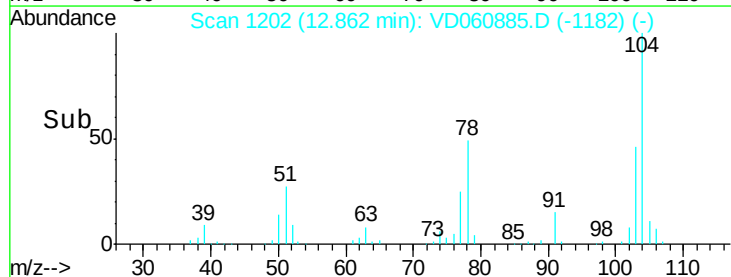
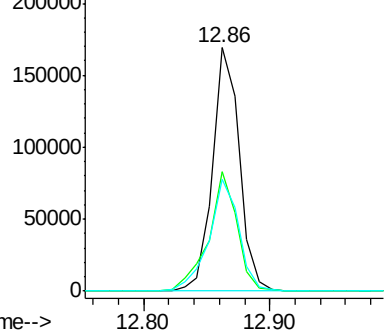


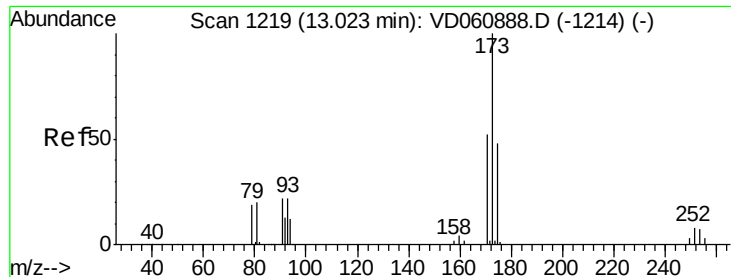
#70
Styrene
Concen: 5.180 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:104 Resp: 248097
Ion Ratio Lower Upper
104 100
78 48.8 34.7 52.1
103 46.1 36.6 55.0



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: 4.113 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

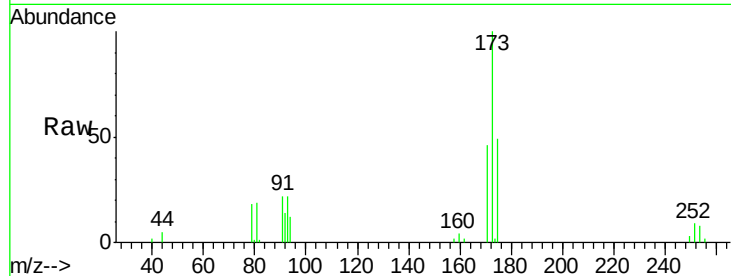
Tot Ion:173 Resp: 63852

Ion Ratio Lower Upper

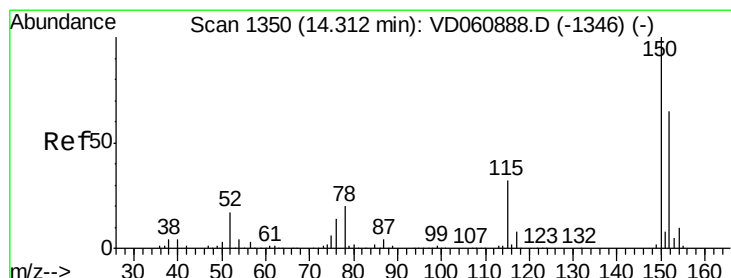
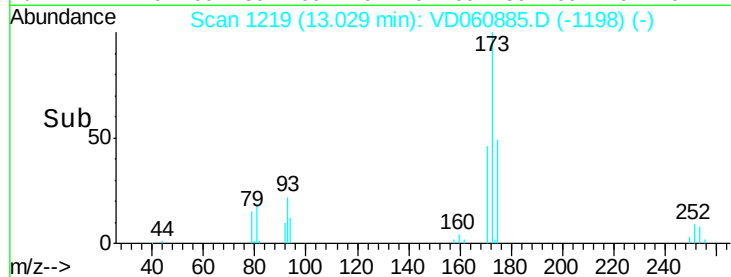
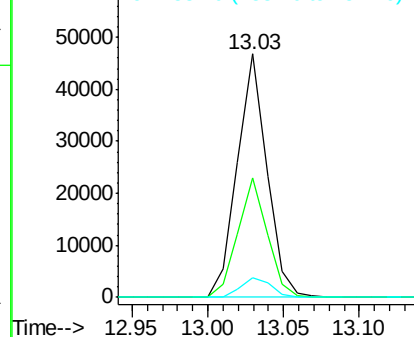
173 100

175 49.0 24.3 72.8

254 7.9 5.7 8.5



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: 14.32 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

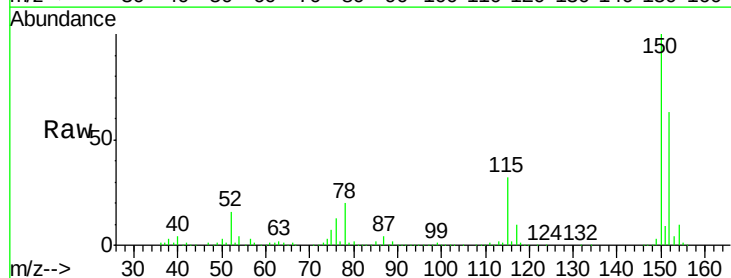
Tgt Ion:152 Resp: 1227638

Ion Ratio Lower Upper

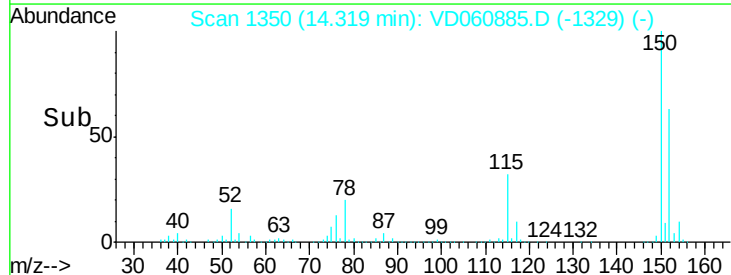
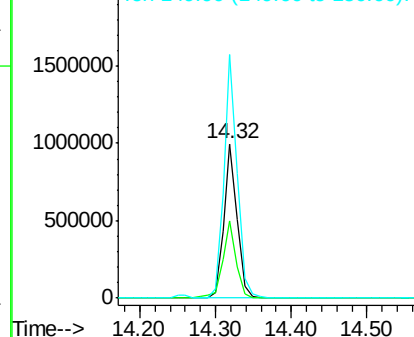
152 100

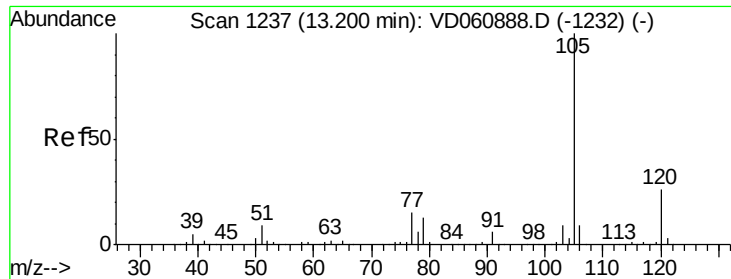
115 50.1 26.3 78.9

150 157.8 0.0 312.0



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

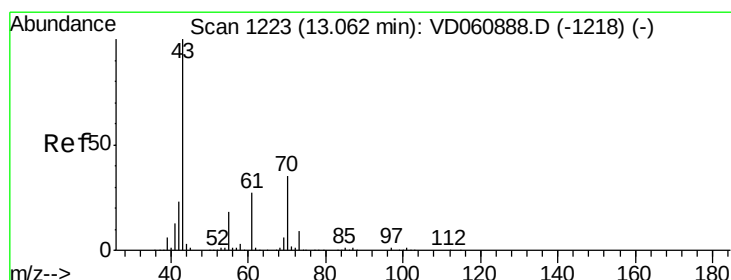
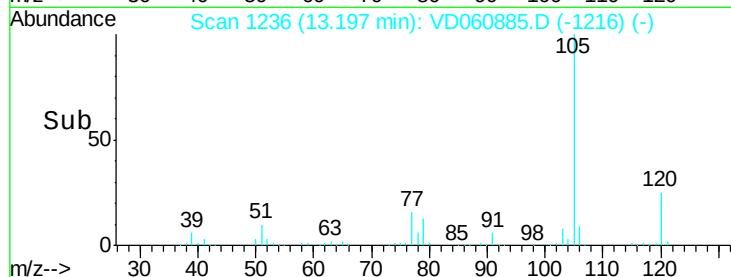
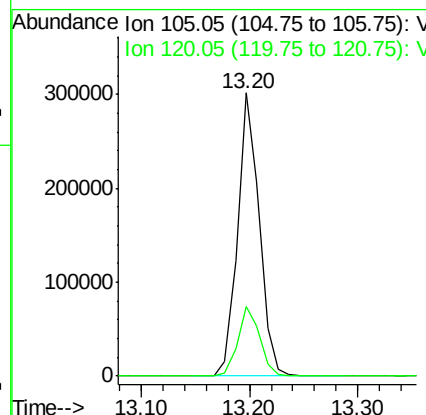
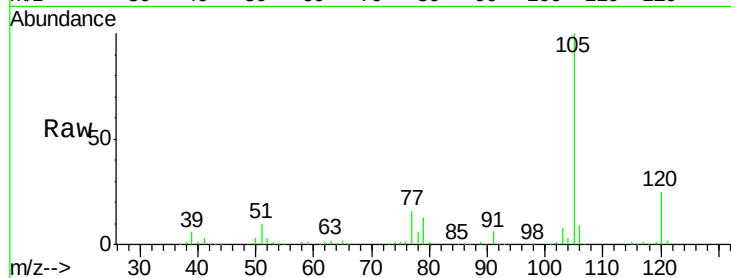




#73
Isopropylbenzene
Concen: 4.684 ug/l
RT: 13.20 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

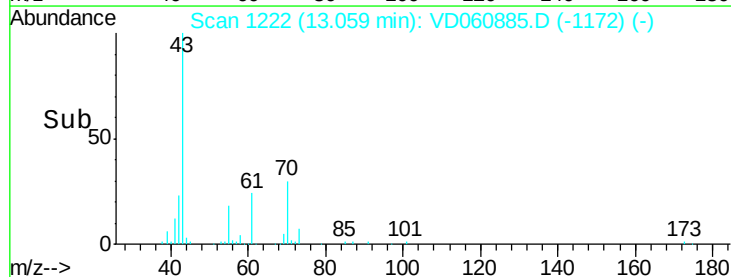
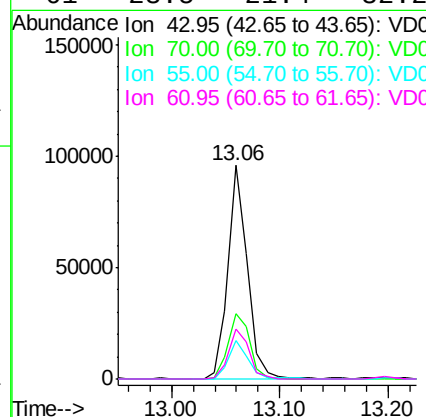
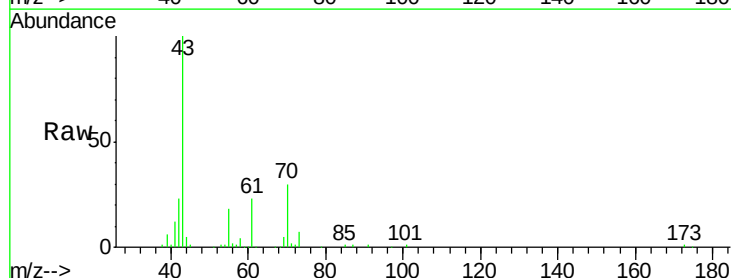
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

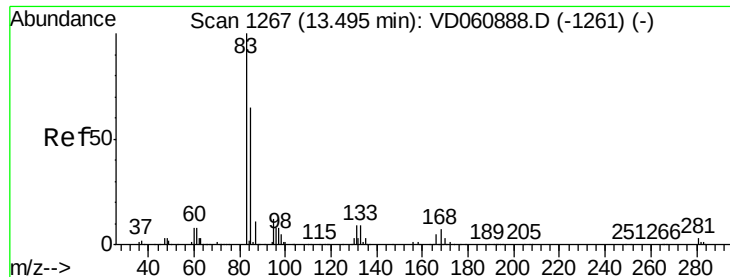
Tot Ion:105 Resp: 419564
Ion Ratio Lower Upper
105 100
120 24.8 13.1 39.1



#74
N-ethyl acetate
Concen: 3.704 ug/l
RT: 13.06 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 43 Resp: 120445
Ion Ratio Lower Upper
43 100
70 30.3 28.4 42.6
55 17.8 14.0 21.0
61 23.5 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.984 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

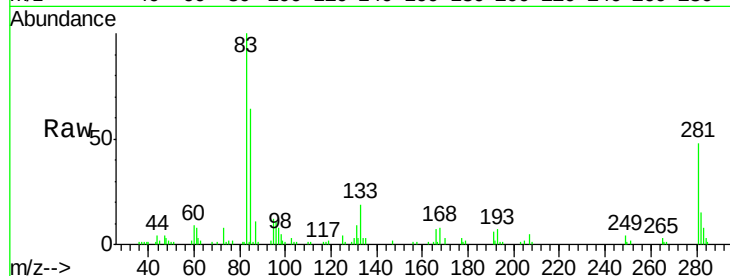
Tot Ion: 83 Resp: 88440

Ion Ratio Lower Upper

83 100

131 8.5 4.5 13.4

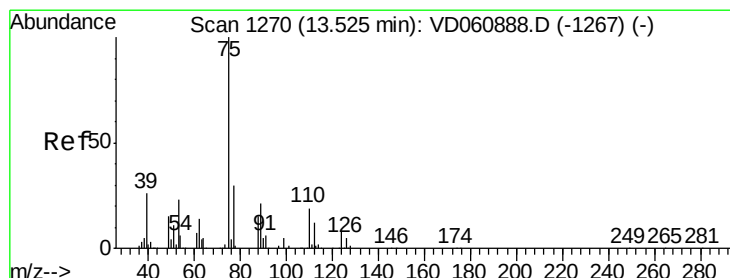
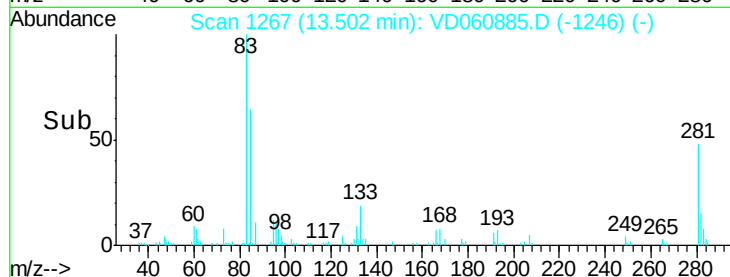
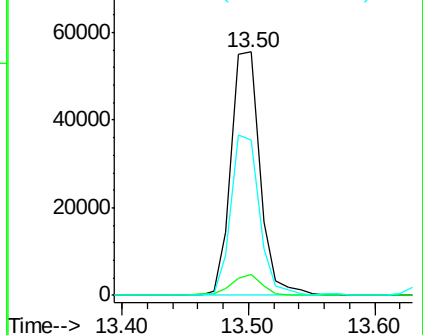
85 64.0 32.7 98.1



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: 4.539 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD060885.D

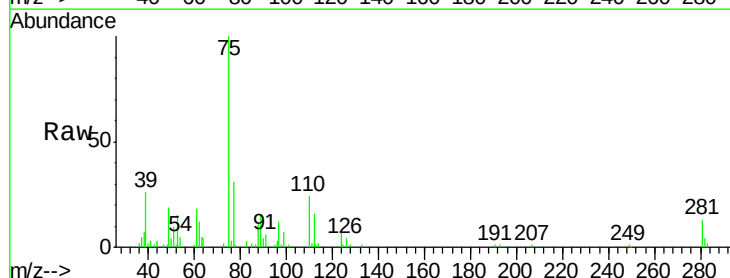
Acq: 21 Feb 2019 16:58

Tgt Ion: 75 Resp: 91752

Ion Ratio Lower Upper

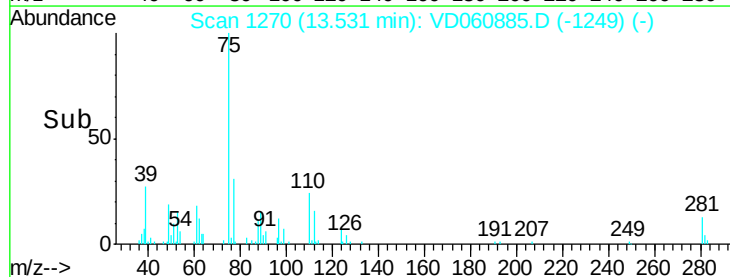
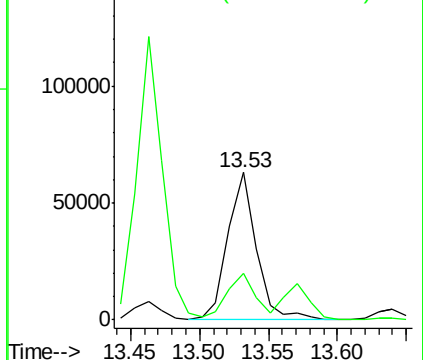
75 100

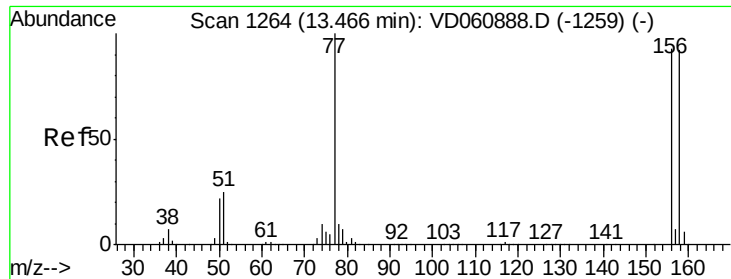
77 31.3 16.1 48.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.801 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

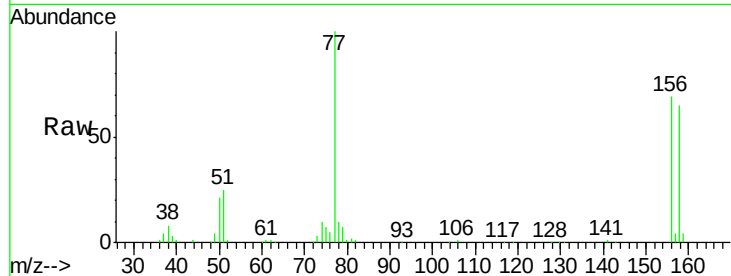
Tot Ion:156 Resp: 118418

Ion Ratio Lower Upper

156 100

77 145.8 53.8 161.4

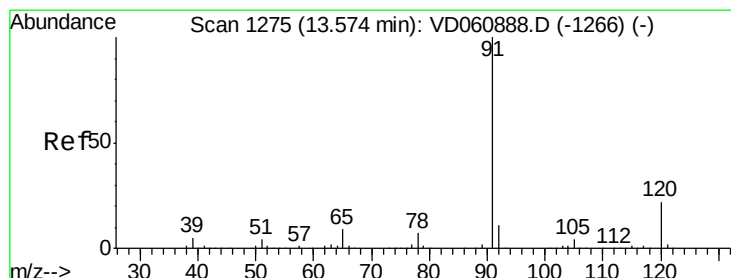
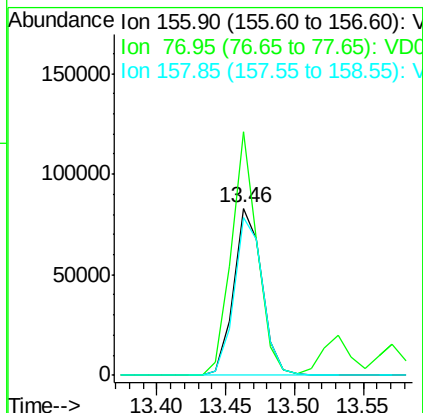
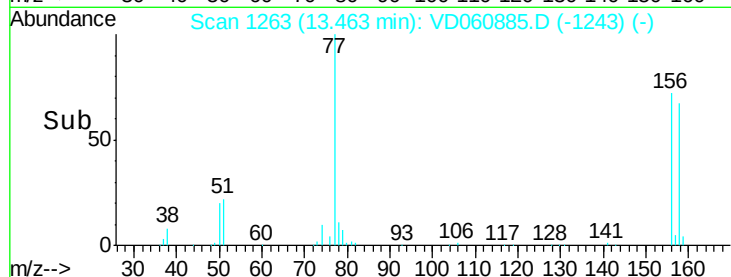
158 94.3 49.3 147.9



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: 4.967 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD060885.D

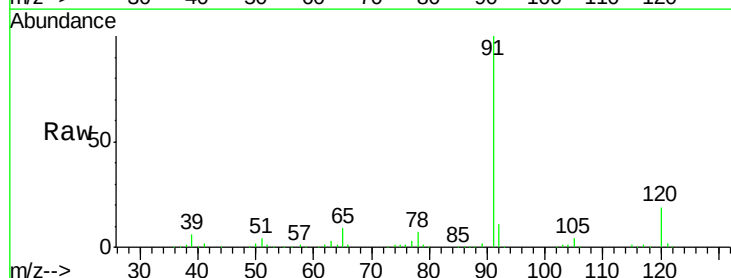
Acq: 21 Feb 2019 16:58

Tgt Ion: 91 Resp: 578762

Ion Ratio Lower Upper

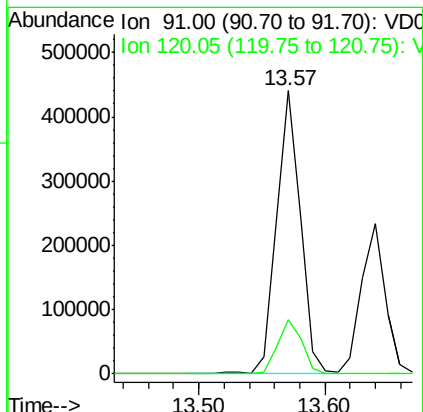
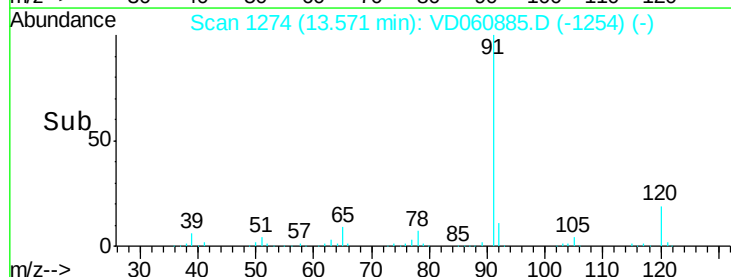
91 100

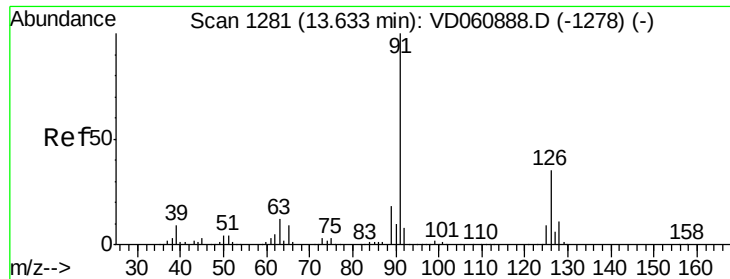
120 19.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 4.735 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

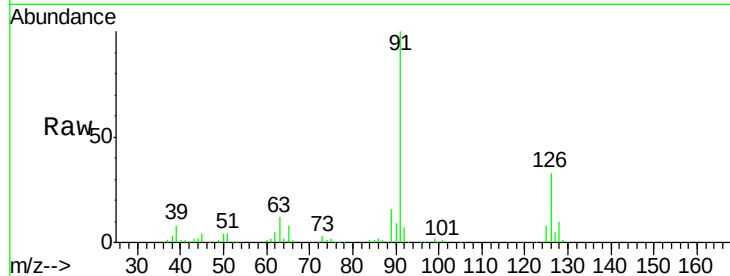
VSTDIC005

Tot Ion: 91 Resp: 305307

Ion Ratio Lower Upper

91 100

126 33.3 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VD060888.D (-1278) (-)

Ion 125.95 (125.65 to 126.65): VD060888.D (-1278) (-)

500000

400000

300000

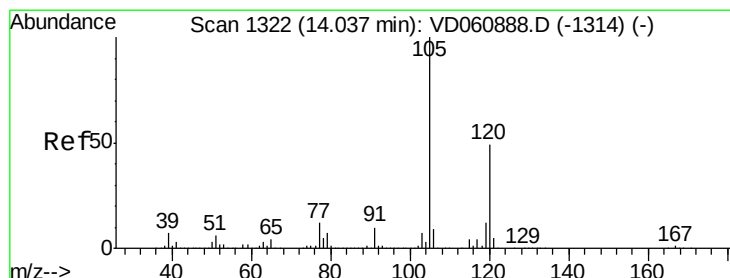
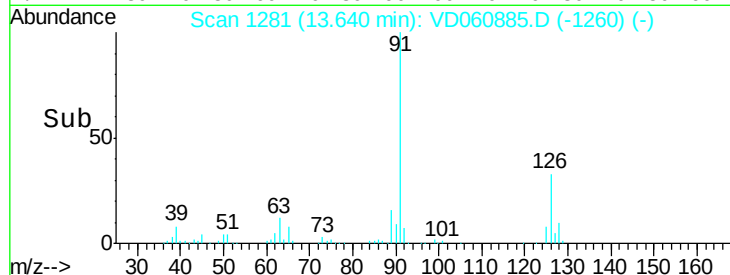
200000

100000

0

13.60 13.65 13.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.374 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VD060885.D

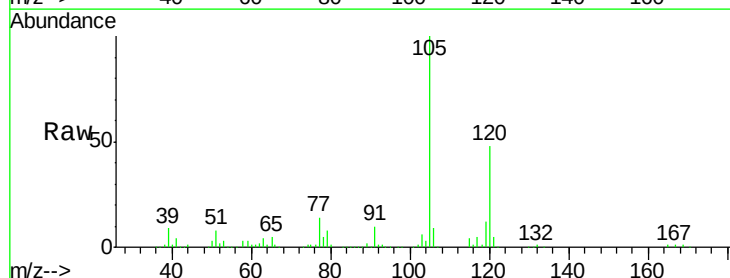
Acq: 21 Feb 2019 16:58

Tgt Ion: 105 Resp: 324938

Ion Ratio Lower Upper

105 100

120 47.5 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): VD060888.D (-1314) (-)

Ion 120.05 (119.75 to 120.75): VD060888.D (-1314) (-)

300000

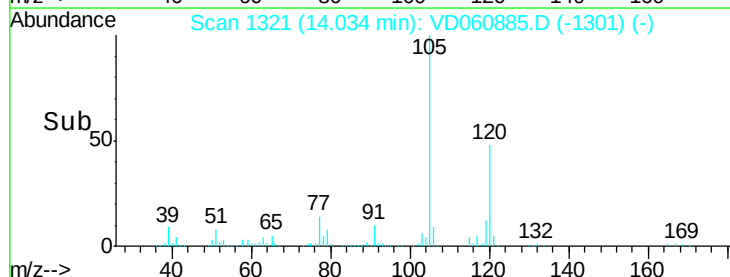
200000

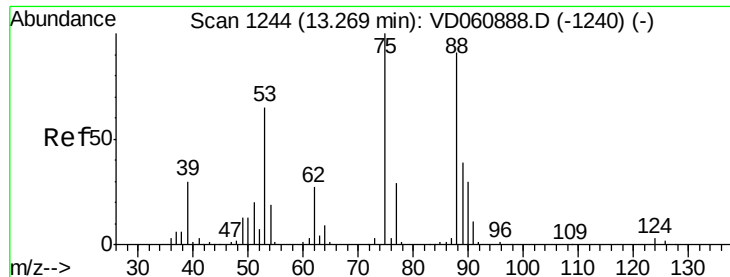
100000

0

13.90 14.00 14.10

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.780 ug/l

RT: 13.27 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

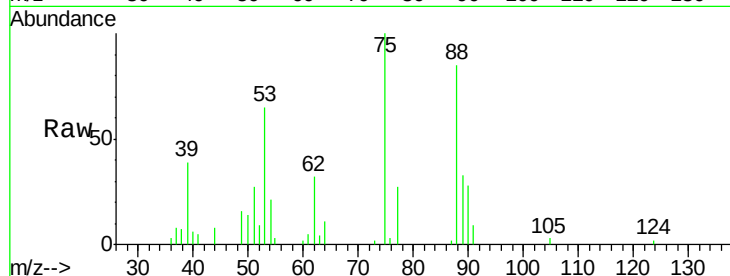
Tot Ion: 75 Resp: 25513

Ion Ratio Lower Upper

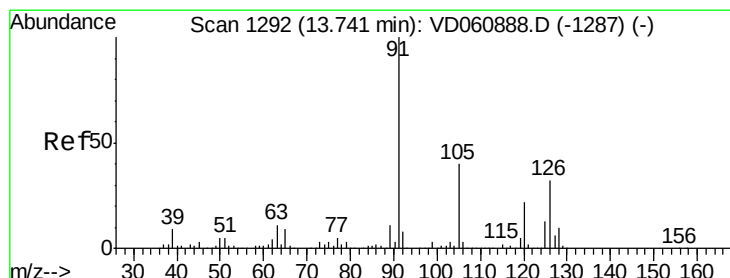
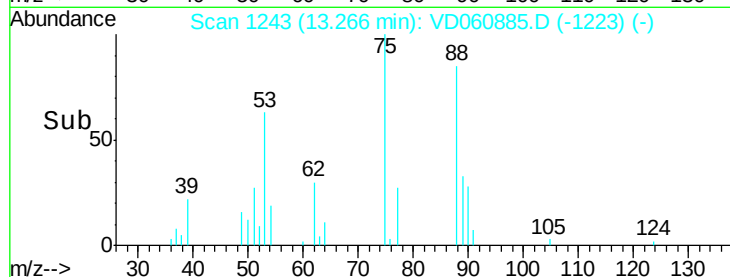
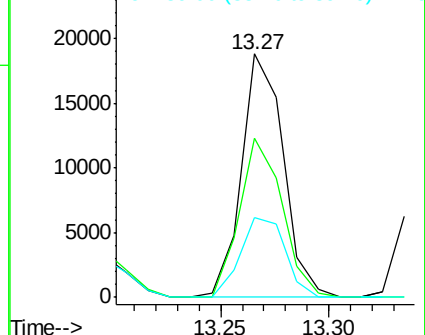
75 100

53 65.2 51.8 77.6

89 32.6 31.0 46.4



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: 4.753 ug/l

RT: 13.75 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060885.D

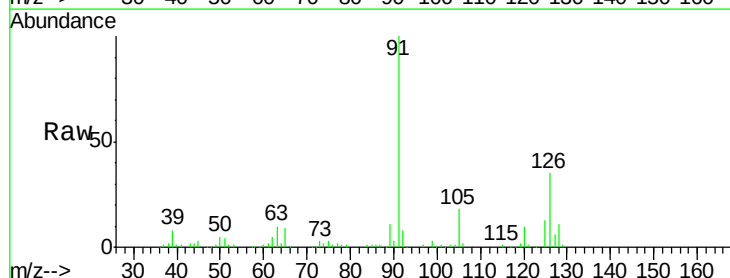
Acq: 21 Feb 2019 16:58

Tgt Ion: 91 Resp: 348391

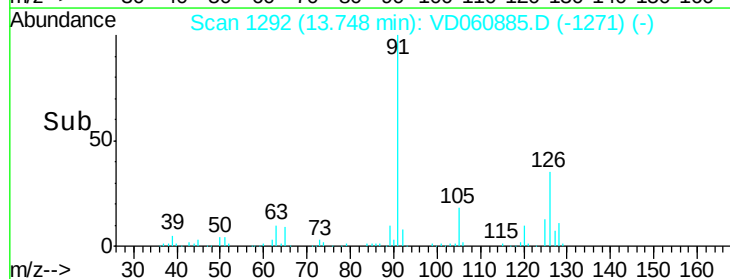
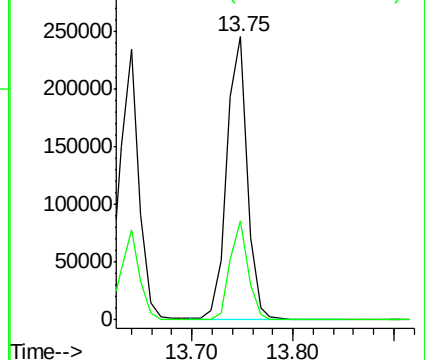
Ion Ratio Lower Upper

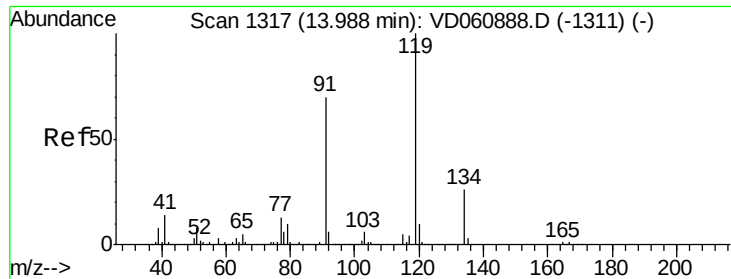
91 100

126 34.9 16.0 48.0



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

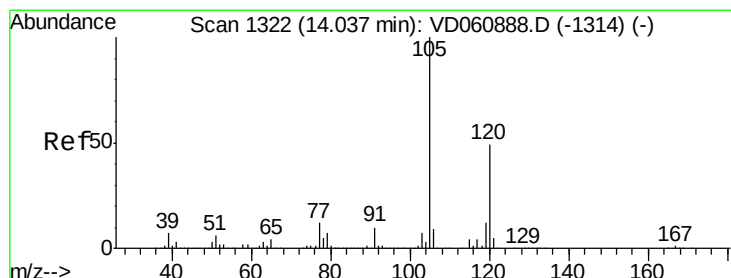
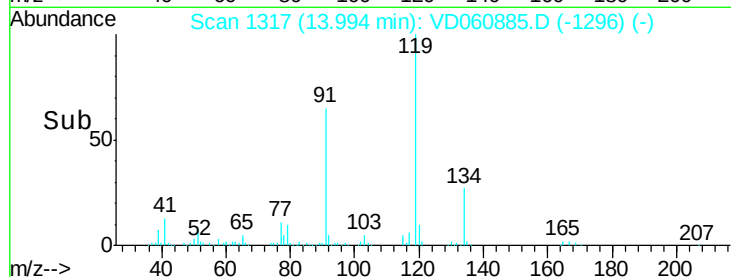
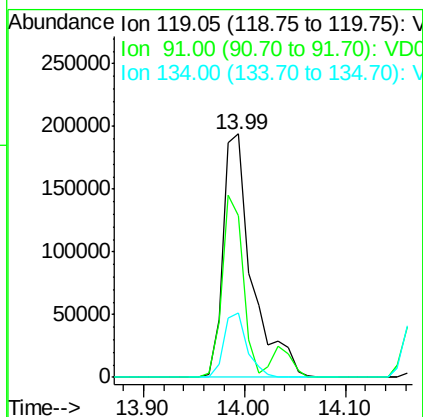
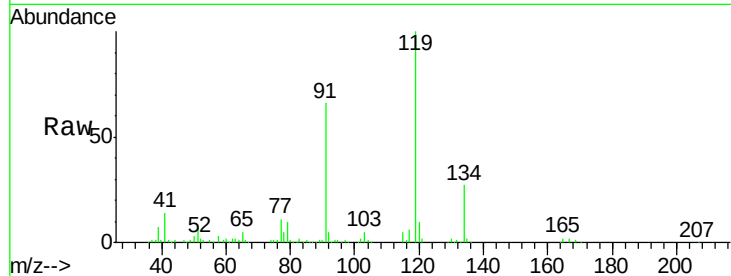




#83
 tert-Butylbenzene
 Concen: 4.684 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

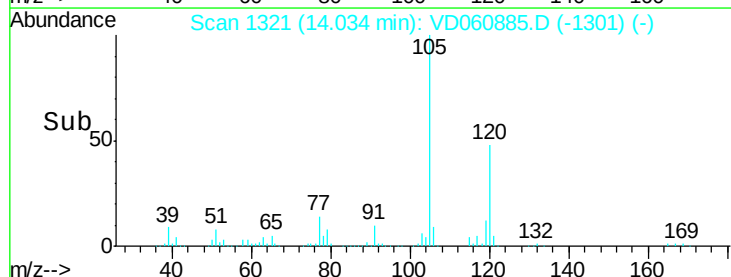
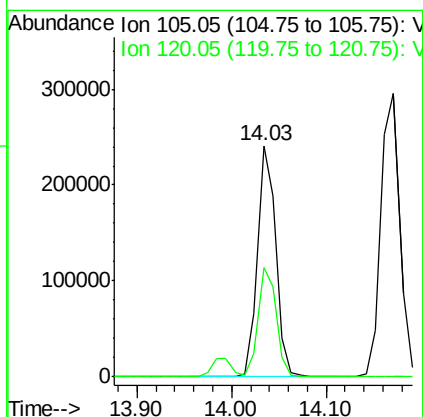
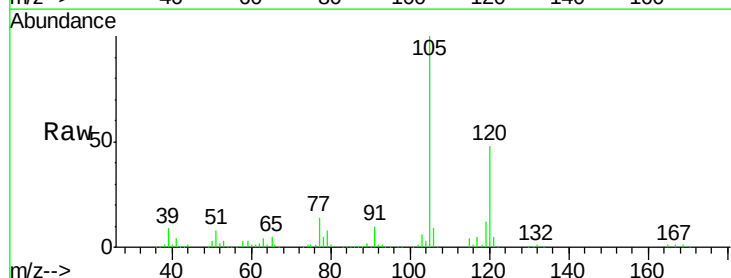
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

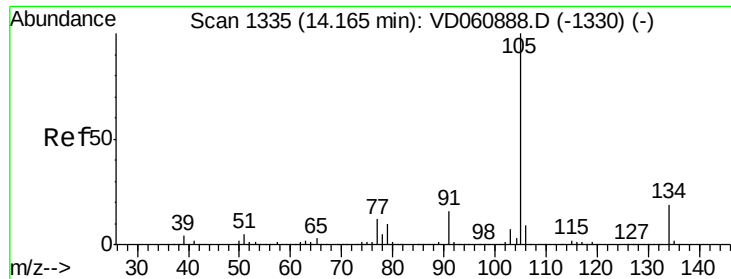
Tot Ion:119 Resp: 387418
 Ion Ratio Lower Upper
 119 100
 91 66.3 34.9 104.8
 134 26.6 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.374 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion:105 Resp: 324938
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 73.0

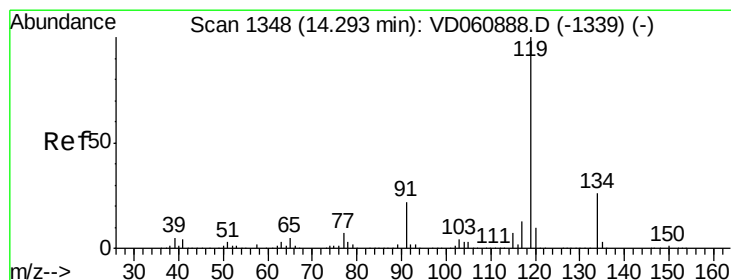
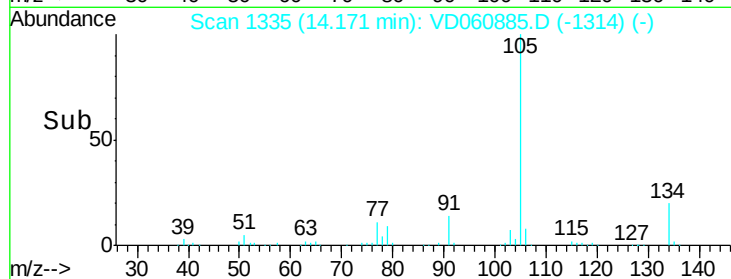
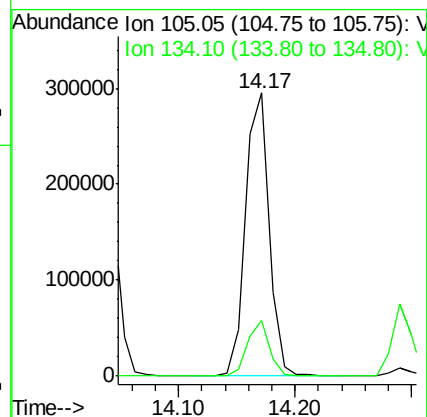
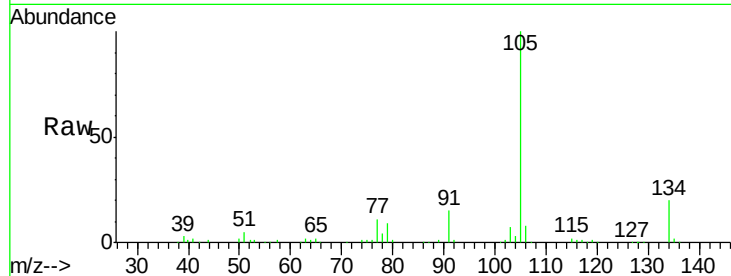




#85
 sec-Butylbenzene
 Concen: 4.561 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

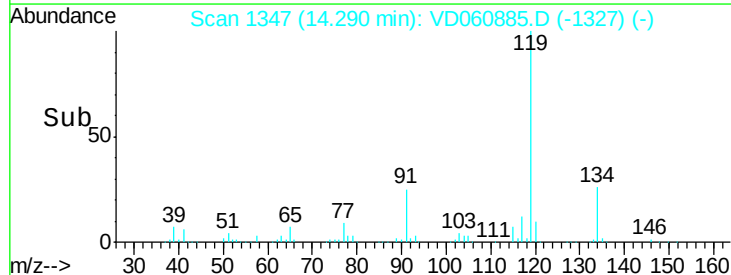
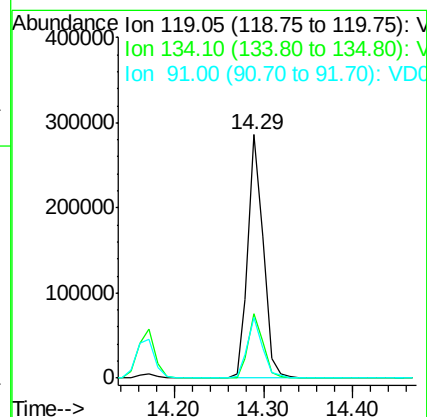
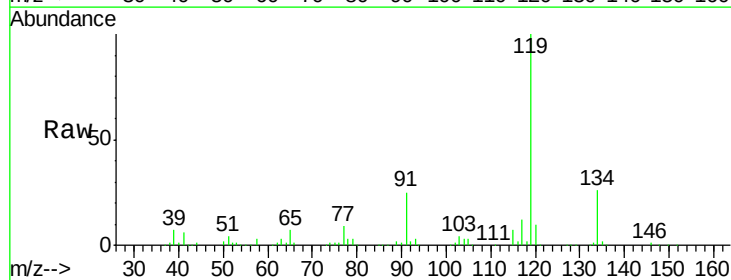
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

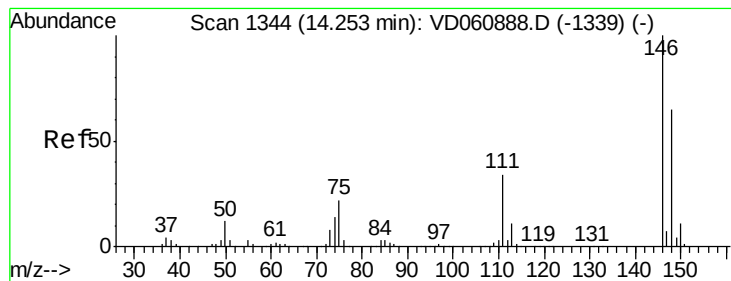
Tot Ion:105 Resp: 413082
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 4.533 ug/l
 RT: 14.29 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion:119 Resp: 344334
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 24.9 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 5.207 ug/l

RT: 14.26 min Scan# 1344

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

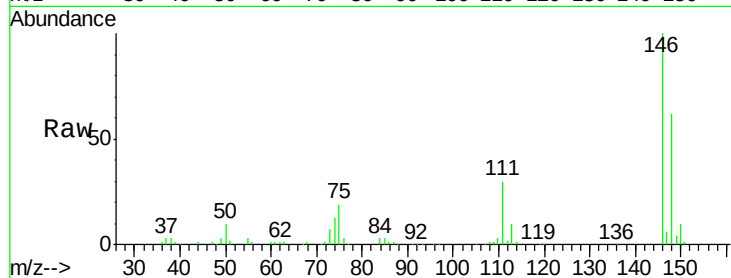
Tot Ion:146 Resp: 221836

Ion Ratio Lower Upper

146 100

111 30.1 17.3 51.7

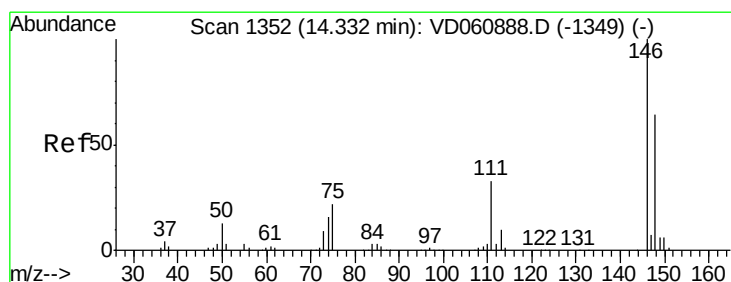
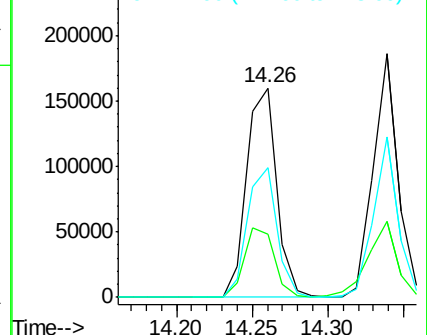
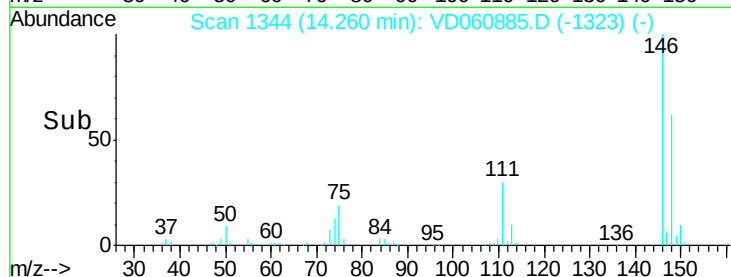
148 62.0 32.6 98.0



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: 5.007 ug/l

RT: 14.34 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VD060885.D

Acq: 21 Feb 2019 16:58

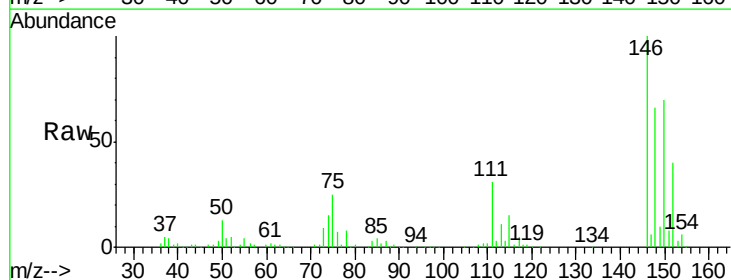
Tgt Ion:146 Resp: 214725

Ion Ratio Lower Upper

146 100

111 31.3 16.5 49.5

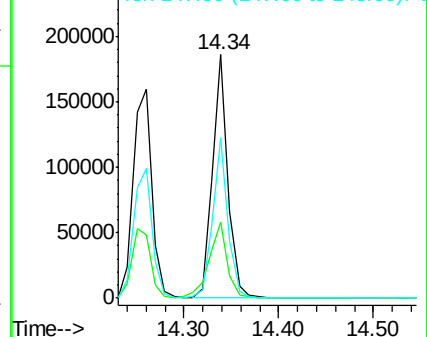
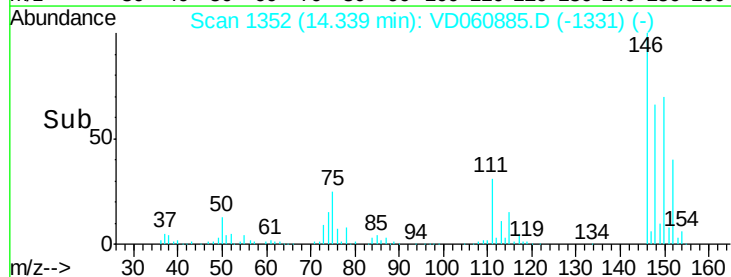
148 65.8 32.1 96.3

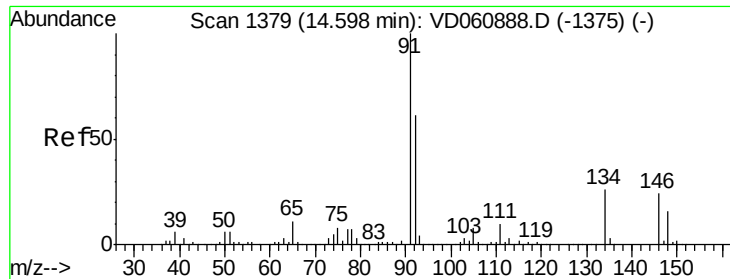


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

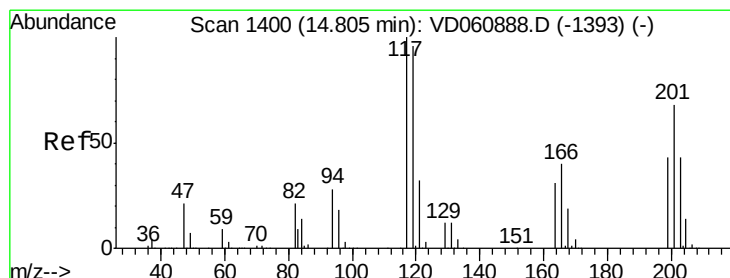
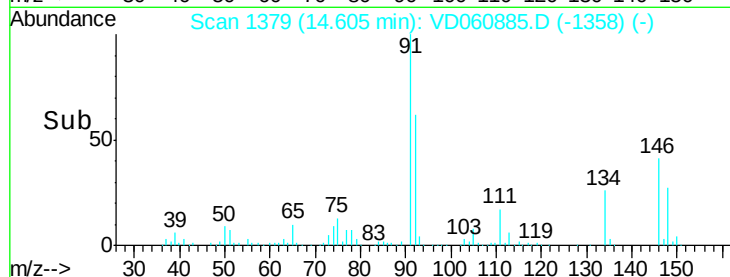
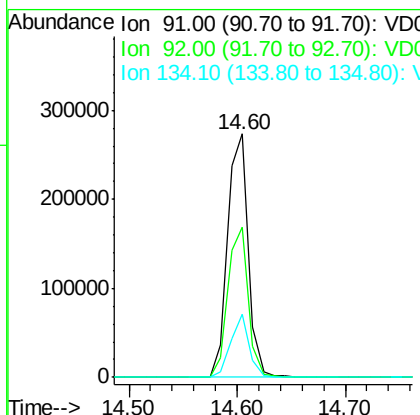
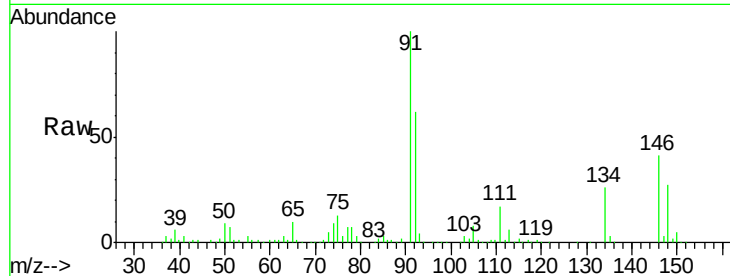




#89
n-Butylbenzene
Concen: 4.703 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

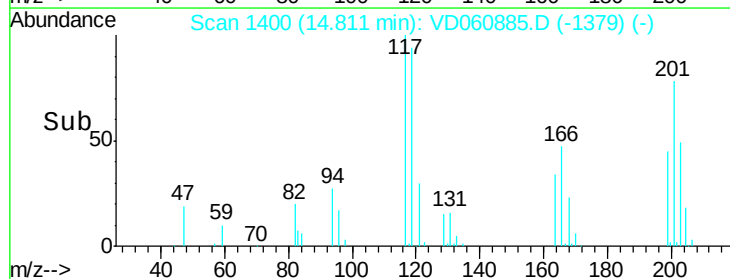
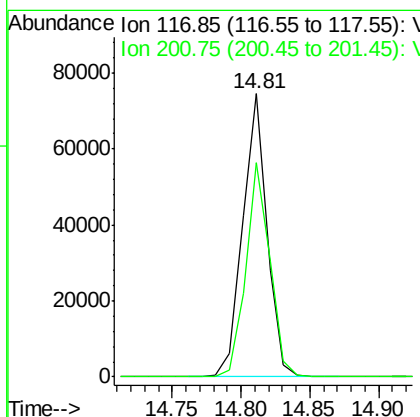
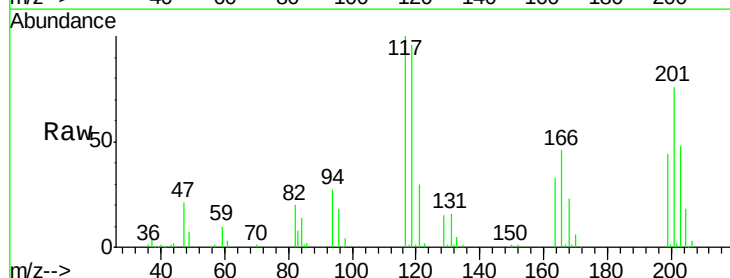
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

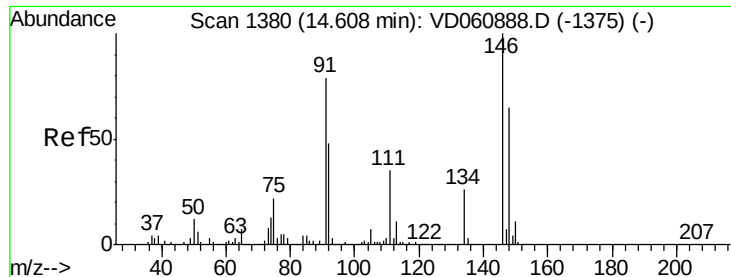
Tot Ion: 91 Resp: 364943
Ion Ratio Lower Upper
91 100
92 61.8 30.3 90.8
134 25.8 12.8 38.3



#90
Hexachloroethane
Concen: 4.495 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion: 117 Resp: 91956
Ion Ratio Lower Upper
117 100
201 75.7 34.2 102.6

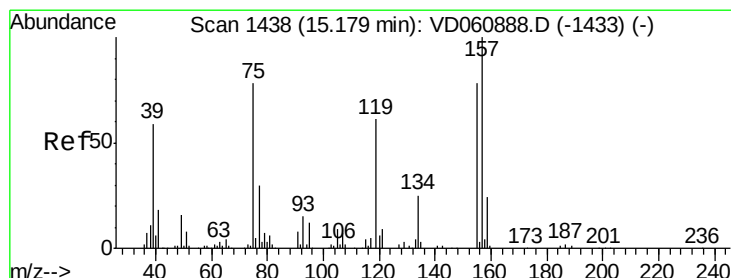
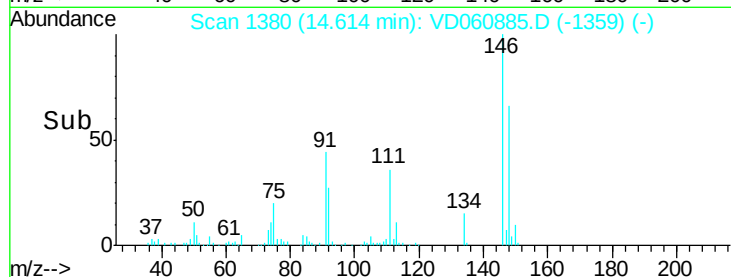
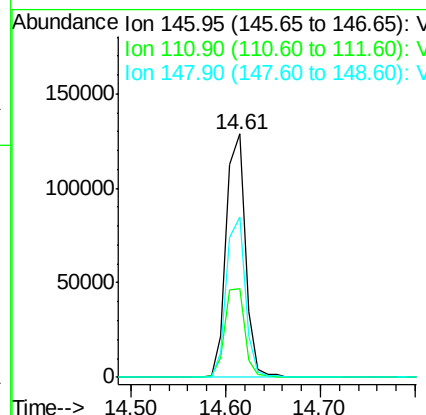
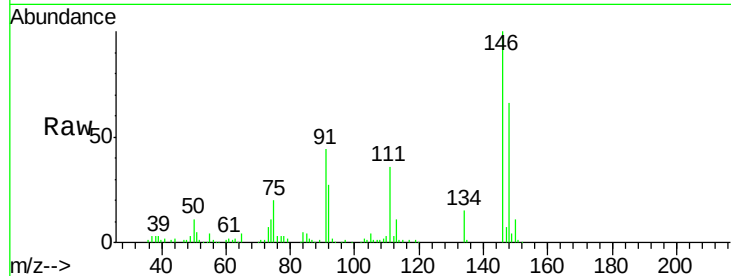




#91
 1,2-Dichlorobenzene
 Concen: 4.986 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

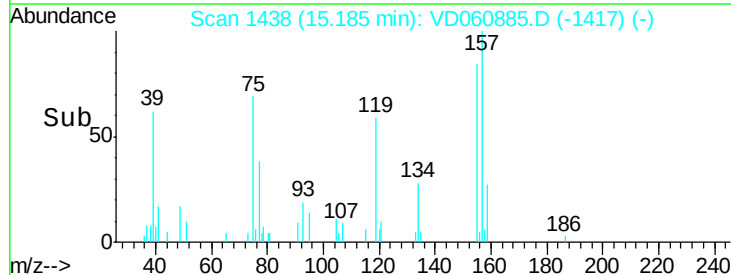
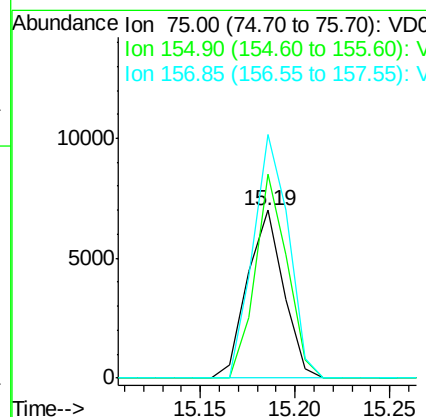
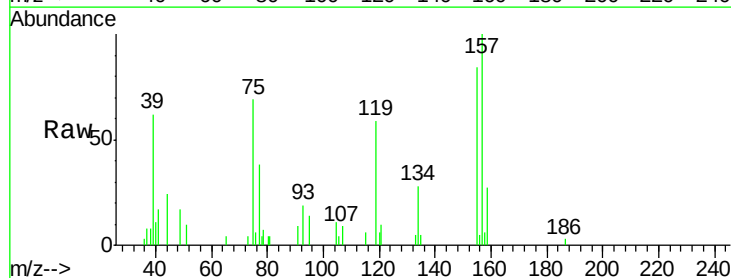
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

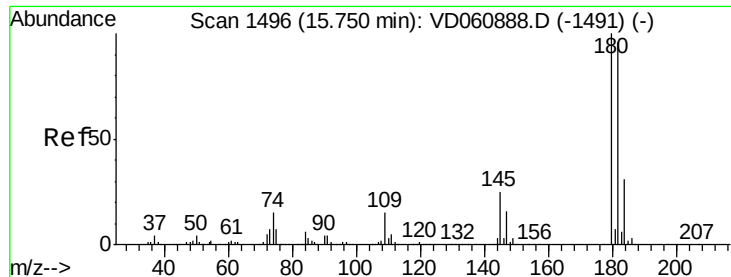
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.4	52.2
148	65.7	32.6	97.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.180 ug/l
 RT: 15.19 min Scan# 1438
 Delta R.T. 0.01 min
 Lab File: VD060885.D
 Acq: 21 Feb 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.3	49.9	149.6
157	145.0	64.3	192.9

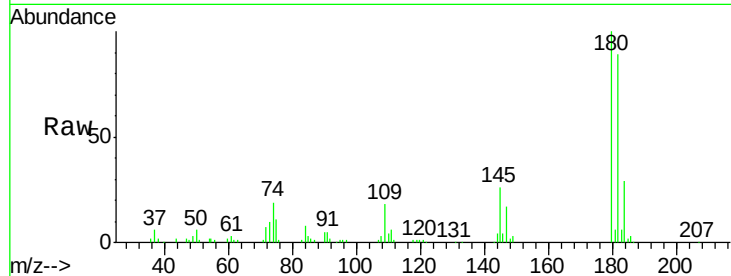




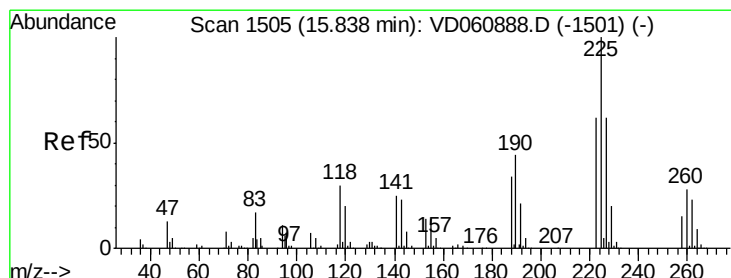
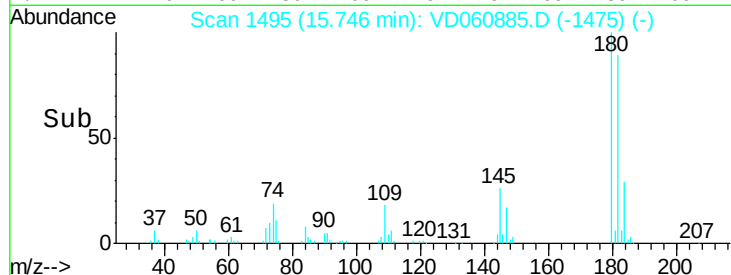
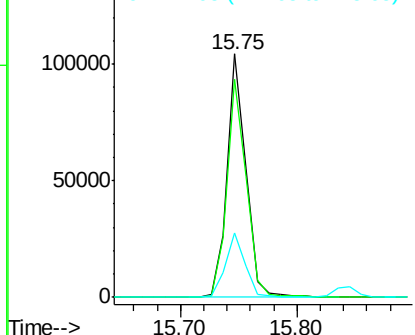
#93
1,2,4-Trichlorobenzene
Concen: 3.885 ug/l
RT: 15.75 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:180 Resp: 117054
Ion Ratio Lower Upper
180 100
182 89.4 47.8 143.3
145 26.3 12.4 37.4

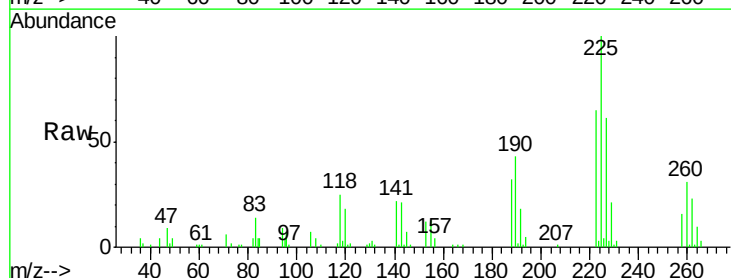


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

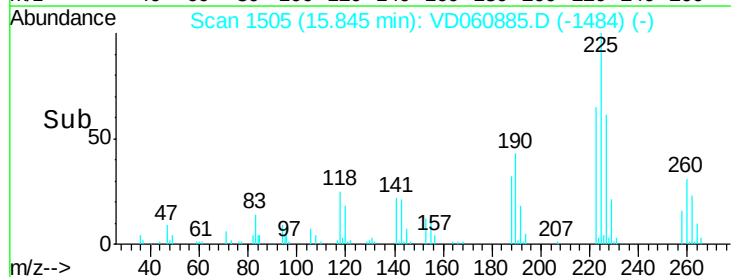
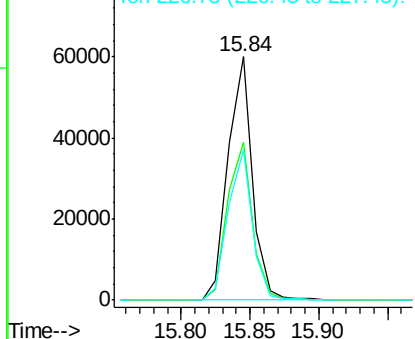


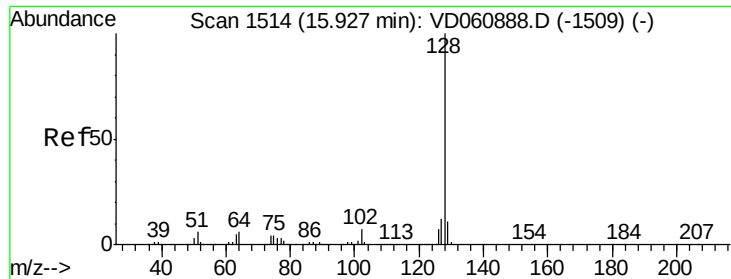
#94
Hexachlorobutadiene
Concen: 2.817 ug/l
RT: 15.84 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:225 Resp: 73516
Ion Ratio Lower Upper
225 100
223 64.7 31.1 93.5
227 61.5 31.2 93.6



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

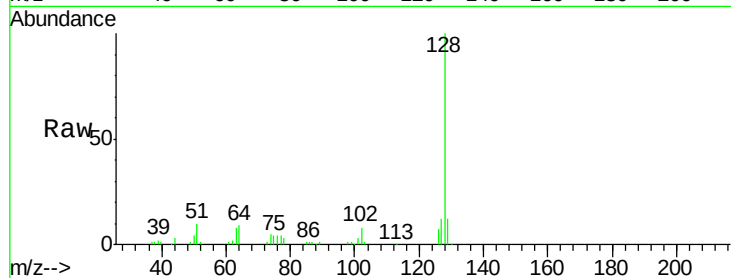




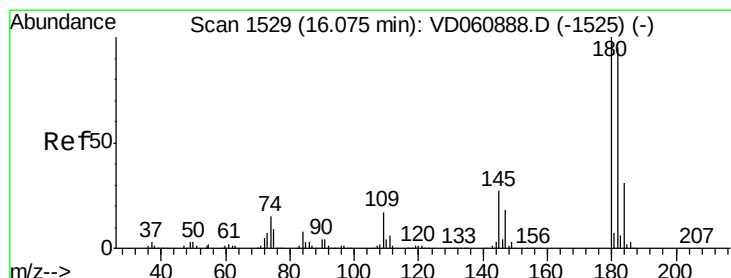
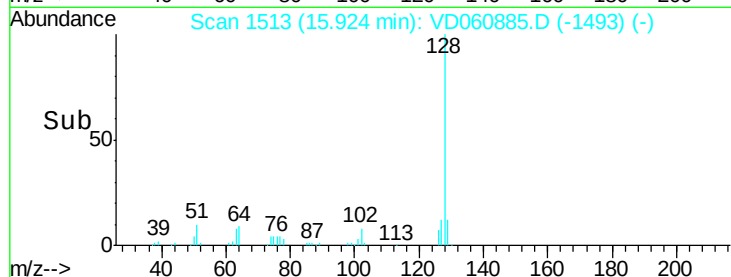
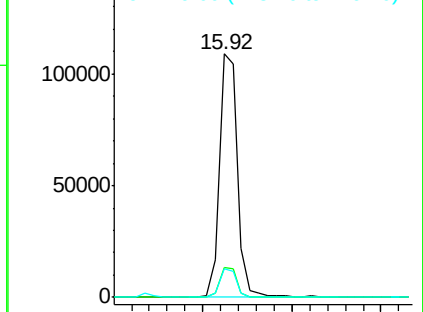
#95
Naphthalene
Concen: 3.853 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 154878
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.6 9.0 13.4

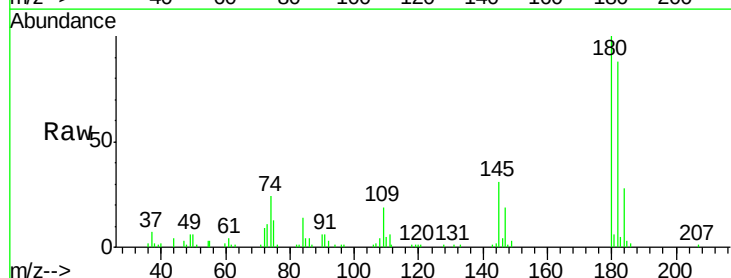


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.046 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.00 min
Lab File: VD060885.D
Acq: 21 Feb 2019 16:58

Tgt Ion:180 Resp: 74193
Ion Ratio Lower Upper
180 100
182 88.5 47.7 143.1
145 30.9 13.5 40.4



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

