

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065680.D
 Acq On : 29 Apr 2020 14:02
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 30 07:27:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042920S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 30 07:01:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	563032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	828491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	792876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	425722	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	52938	10.49	ug/l	0.00
Spiked Amount			Recovery	=	20.98%	
35) Dibromofluoromethane	7.93	113	59155	10.44	ug/l	0.00
Spiked Amount			Recovery	=	20.88%	
50) Toluene-d8	10.34	98	195430	10.05	ug/l	0.00
Spiked Amount			Recovery	=	20.10%	
62) 4-Bromofluorobenzene	12.64	95	60523	9.63	ug/l	0.00
Spiked Amount			Recovery	=	19.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	34251	11.510	ug/l	97
3) Chloromethane	2.21	50	62390	10.841	ug/l	96
4) Vinyl Chloride	2.35	62	97435	10.528	ug/l	92
5) Bromomethane	2.77	94	89930	10.385	ug/l	96
6) Chloroethane	2.93	64	70533	10.352	ug/l	99
7) Trichlorofluoromethane	3.27	101	191085	10.387	ug/l	95
8) Diethyl Ether	3.71	74	53935	10.417	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	127475	14.377	ug/l	97
10) Methyl Iodide	4.28	142	34213	9.061	ug/l	94
11) Tert butyl alcohol	5.26	59	8988	48.553	ug/l	100
12) 1,1-Dichloroethene	4.06	96	122139	14.030	ug/l	94
13) Acrolein	3.91	56	37445	61.480	ug/l	96
14) Allyl chloride	4.71	41	42133	9.652	ug/l	93
15) Acrylonitrile	5.43	53	37957	51.974	ug/l	99
16) Acetone	4.16	43	58919	71.665	ug/l	93
17) Carbon Disulfide	4.39	76	149483	10.439	ug/l	99
18) Methyl Acetate	4.73	43	19266	10.644	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	79066	9.801	ug/l	99
20) Methylene Chloride	4.96	84	62059	10.388	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	52663	9.902	ug/l	93
22) Diisopropyl ether	6.37	45	91986	9.774	ug/l	97
23) Vinyl Acetate	6.31	43	236188m	55.090	ug/l	
24) 1,1-Dichloroethane	6.26	63	85644	10.252	ug/l	97
25) 2-Butanone	7.23	43	43843	52.704	ug/l	96
26) 2,2-Dichloropropane	7.21	77	84646	10.418	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	52938	9.624	ug/l	92
28) Bromochloromethane	7.55	49	33055	10.657	ug/l	97
29) Tetrahydrofuran	7.57	42	23724	49.276	ug/l	94
30) Chloroform	7.71	83	101987	10.092	ug/l	97
31) Cyclohexane	7.99	56	69073	9.763	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	94707	10.139	ug/l	98
36) 1,1-Dichloropropene	8.11	75	71228	9.732	ug/l	98
37) Ethyl Acetate	7.31	43	19301	9.797	ug/l #	84
38) Carbon Tetrachloride	8.09	117	91415	9.887	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	72390	9.332	ug/l	93
40) Benzene	8.35	78	203110	9.816	ug/l	96
41) Methacrylonitrile	7.52	41	9188m	7.508	ug/l	
42) 1,2-Dichloroethane	8.43	62	59912	10.017	ug/l	97
43) Isopropyl Acetate	8.46	43	37002	9.996	ug/l #	80
44) Trichloroethene	9.11	130	64079	10.023	ug/l	94
45) 1,2-Dichloropropane	9.39	63	45689	9.767	ug/l #	86
46) Dibromomethane	9.48	93	31094	10.266	ug/l	97
47) Bromodichloromethane	9.67	83	81472	10.176	ug/l	98
48) Methyl methacrylate	9.46	41	15969	9.852	ug/l	96
49) 1,4-Dioxane	9.47	88	6186	208.963	ug/l #	87
51) 4-Methyl-2-Pentanone	10.24	43	95219	50.754	ug/l	93
52) Toluene	10.41	92	128796	9.509	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	59828	9.654	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	74707	10.083	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	44232	10.506	ug/l	97
56) Ethyl methacrylate	10.67	69	30488	9.537	ug/l	92
57) 1,3-Dichloropropane	10.96	76	63216	10.010	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	78414	48.493	ug/l	100
59) 2-Hexanone	10.99	43	58769	49.329	ug/l	91
60) Dibromochloromethane	11.14	129	58442	10.429	ug/l	97
61) 1,2-Dibromoethane	11.26	107	39162	10.098	ug/l	98
64) Tetrachloroethene	10.88	164	53764	9.768	ug/l	98
65) Chlorobenzene	11.68	112	155459	9.862	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	59742	10.038	ug/l	96
67) Ethyl Benzene	11.75	91	228433	9.325	ug/l	100
68) m/p-Xylenes	11.86	106	185271	18.913	ug/l	97
69) o-Xylene	12.19	106	76135	9.230	ug/l	100
70) Styrene	12.20	104	135805	9.243	ug/l	99
71) Bromoform	12.37	173	33077	9.952	ug/l #	99
73) Isopropylbenzene	12.48	105	206732	9.328	ug/l	99
74) N-amyl acetate	12.29	43	31086	10.151	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	45129	10.212	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	33788m	7.030	ug/l	
77) Bromobenzene	12.77	156	63007	10.135	ug/l	98
78) n-propylbenzene	12.83	91	254929	9.302	ug/l	100
79) 2-Chlorotoluene	12.91	91	150884	9.723	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	180892	9.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12105	10.070	ug/l	95
82) 4-Chlorotoluene	13.01	91	162209	9.656	ug/l	99
83) tert-Butylbenzene	13.23	119	144493	9.063	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	178156	9.335	ug/l	98
85) sec-Butylbenzene	13.41	105	222460	9.577	ug/l	98
86) p-Isopropyltoluene	13.53	119	197240	9.207	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	126565	9.953	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	131819	9.986	ug/l	98
89) n-Butylbenzene	13.85	91	179788	9.292	ug/l	98
90) Hexachloroethane	14.12	117	53333	10.038	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	106028	9.666	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7357	11.250	ug/l	76

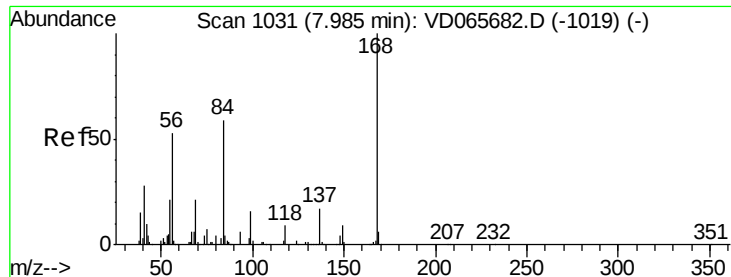
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58187	9.308	ug/l	98
94) Hexachlorobutadiene	15.28	225	45029	9.691	ug/l	99
95) Naphthalene	15.41	128	80456	9.060	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.60	180	53634	9.589	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

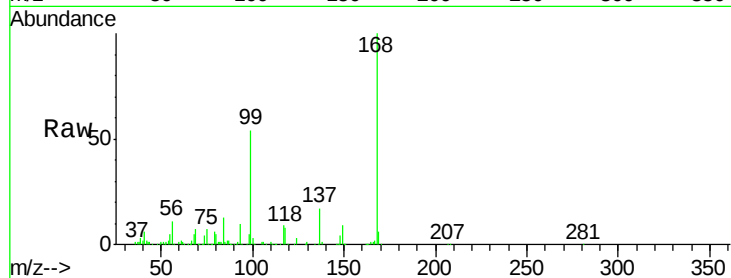
VSTDIC010

Tot Ion:168 Resp: 563032

Ion Ratio Lower Upper

168 100

99 53.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

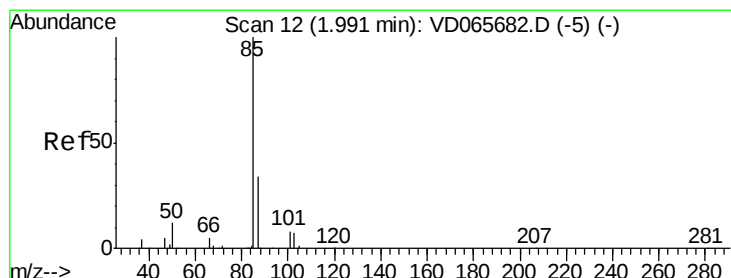
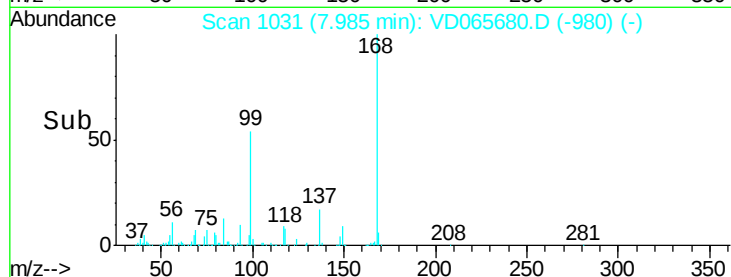
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 11.510 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065680.D

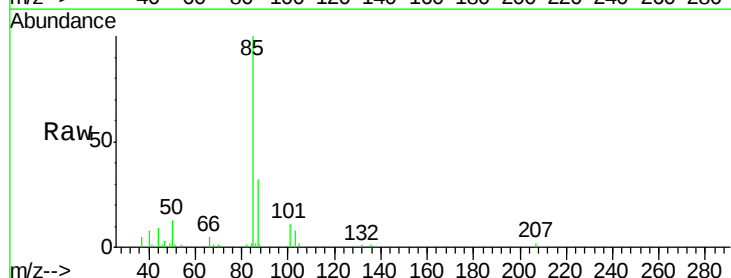
Acq: 29 Apr 2020 14:02

Tgt Ion: 85 Resp: 34251

Ion Ratio Lower Upper

85 100

87 31.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

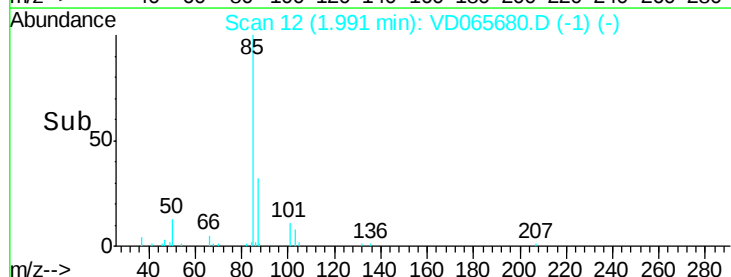
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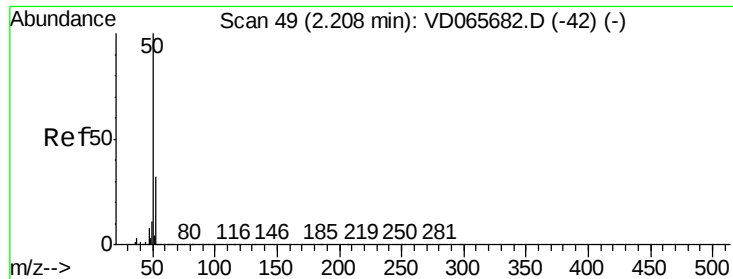
10000

5000

0

Time-->





#3

Chloromethane

Concen: 10.841 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

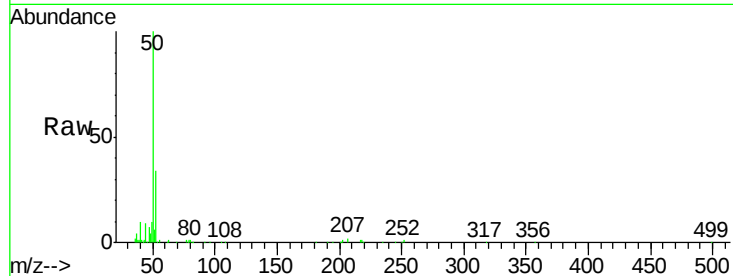
VSTDIC010

Tot Ion: 50 Resp: 62390

Ion Ratio Lower Upper

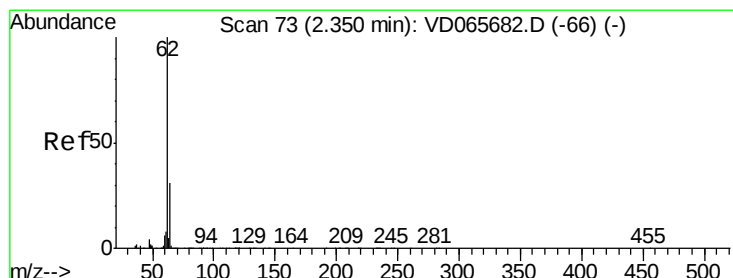
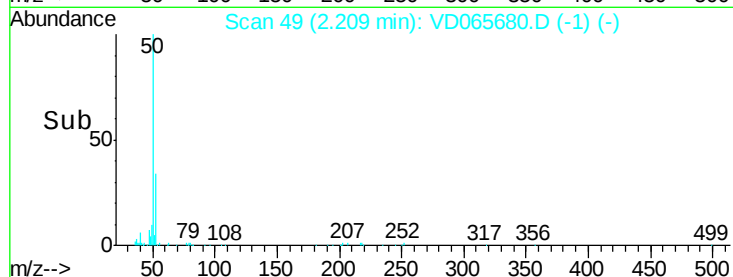
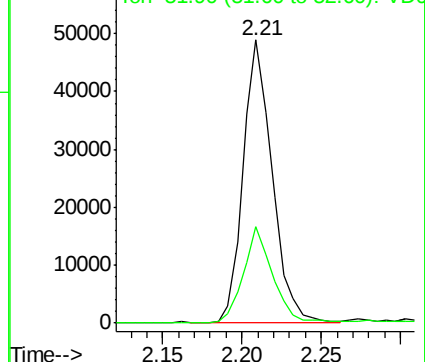
50 100

52 33.9 25.4 38.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 10.528 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065680.D

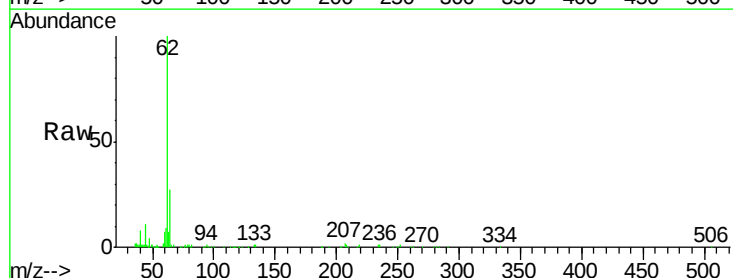
Acq: 29 Apr 2020 14:02

Tgt Ion: 62 Resp: 97435

Ion Ratio Lower Upper

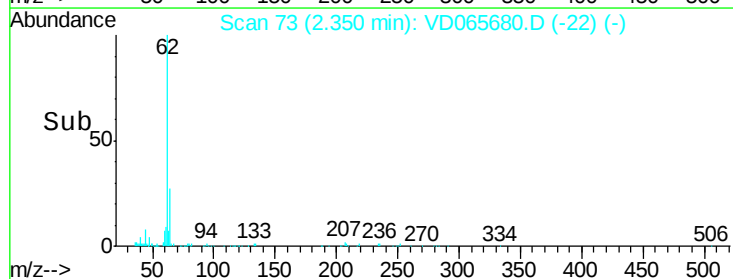
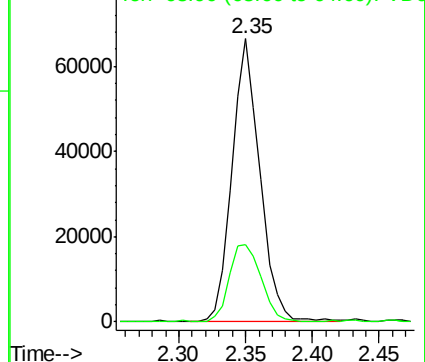
62 100

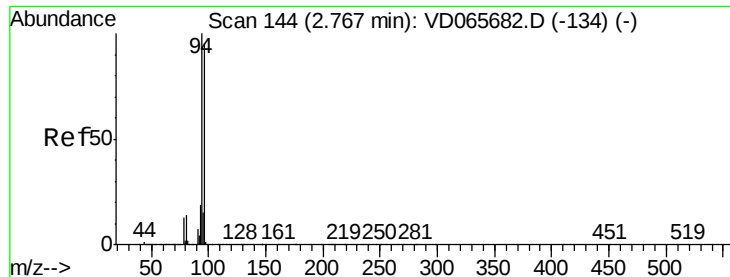
64 27.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 10.385 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

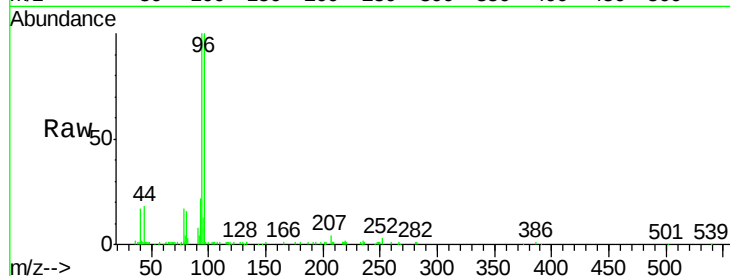
VSTDIC010

Tot Ion: 94 Resp: 89930

Ion Ratio Lower Upper

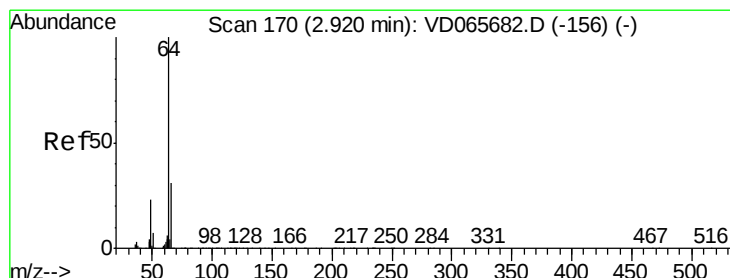
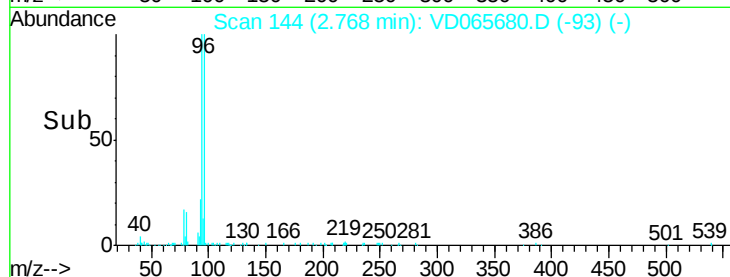
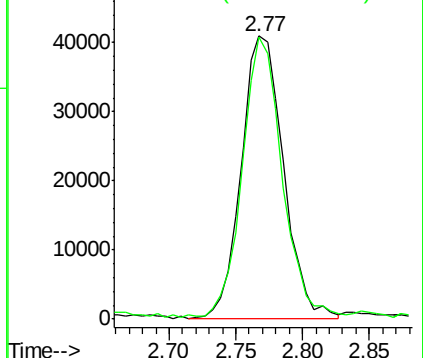
94 100

96 98.4 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 10.352 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065680.D

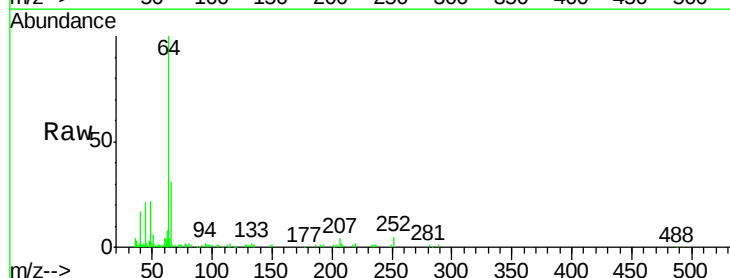
Acq: 29 Apr 2020 14:02

Tgt Ion: 64 Resp: 70533

Ion Ratio Lower Upper

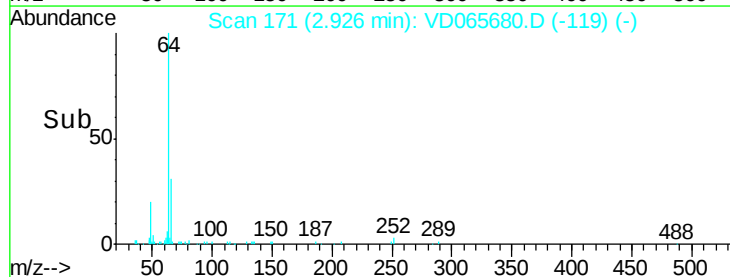
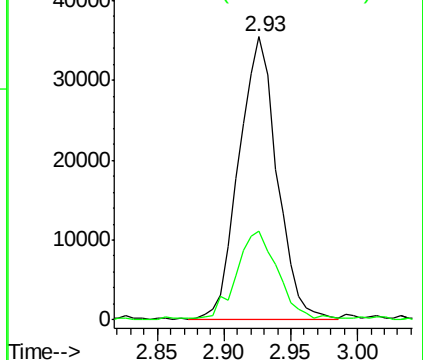
64 100

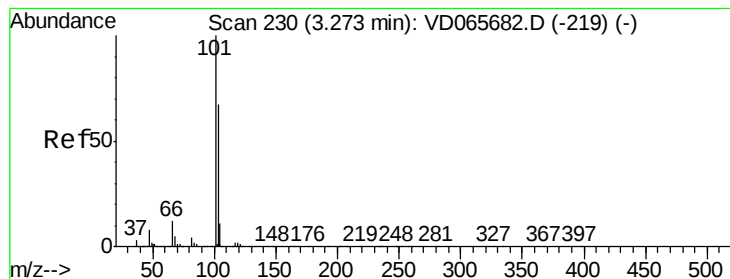
66 30.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



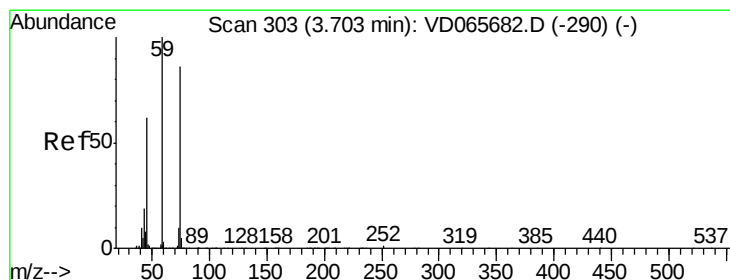
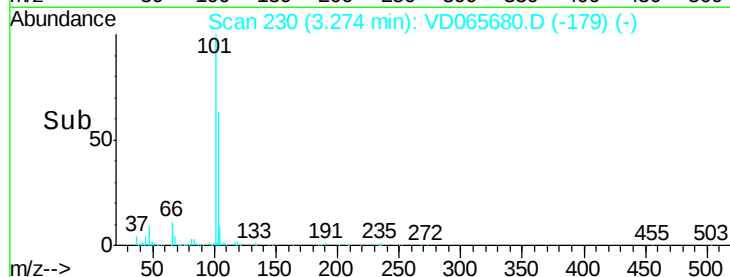
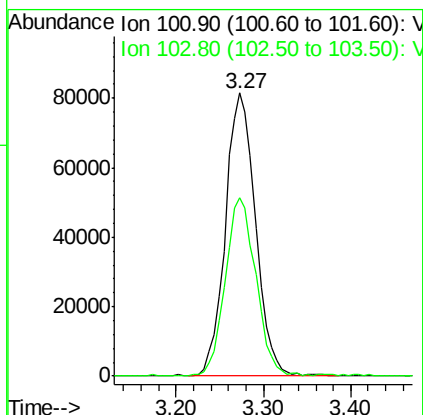
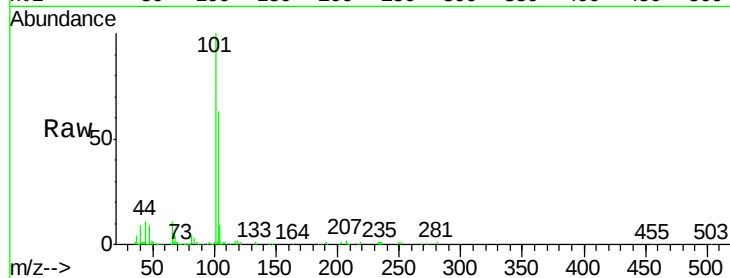


#7

Trichlorofluoromethane
Concen: 10.387 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

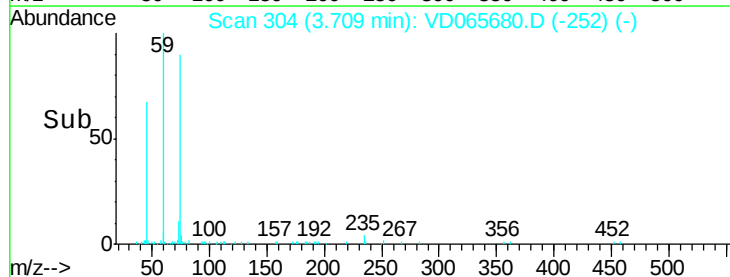
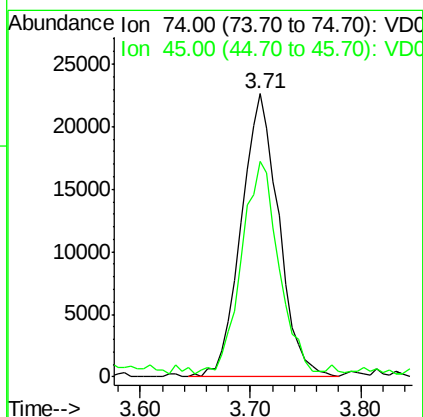
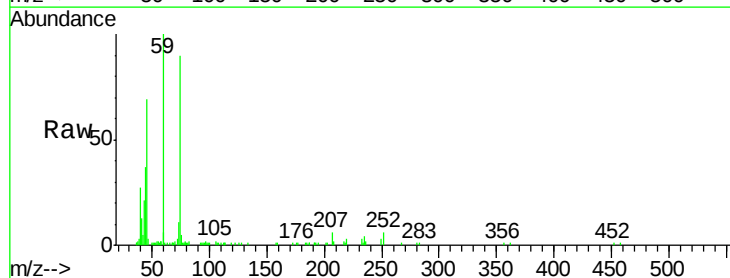
Tot Ion:101 Resp: 191085
Ion Ratio Lower Upper
101 100
103 63.0 53.9 80.9

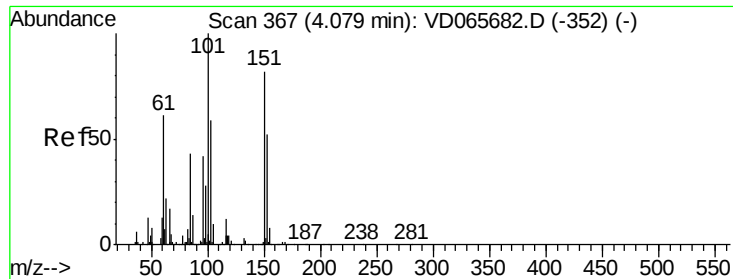


#8

Diethyl Ether
Concen: 10.417 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 74 Resp: 53935
Ion Ratio Lower Upper
74 100
45 74.7 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.377 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

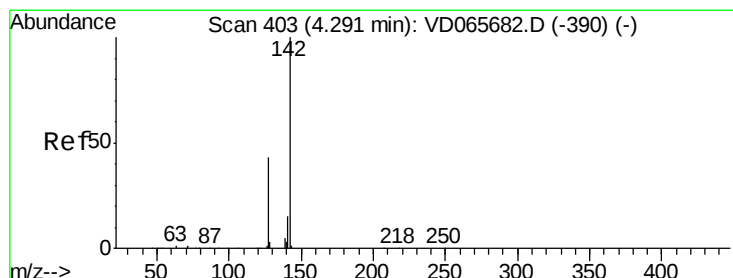
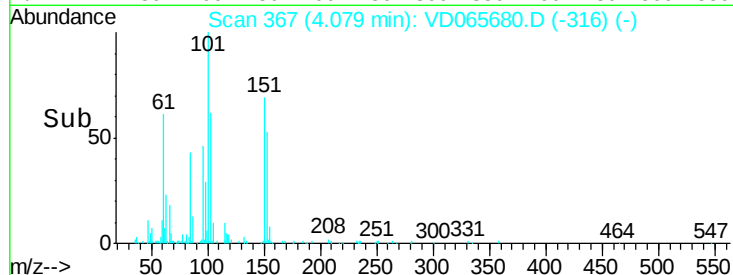
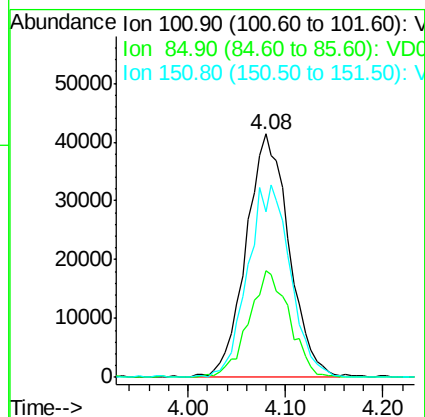
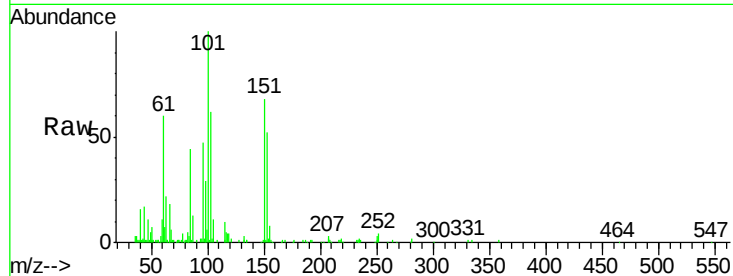
Tot Ion:101 Resp: 127475

Ion Ratio Lower Upper

101 100

85 41.5 35.4 53.2

151 78.7 64.1 96.1



#10

Methyl Iodide

Concen: 9.061 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

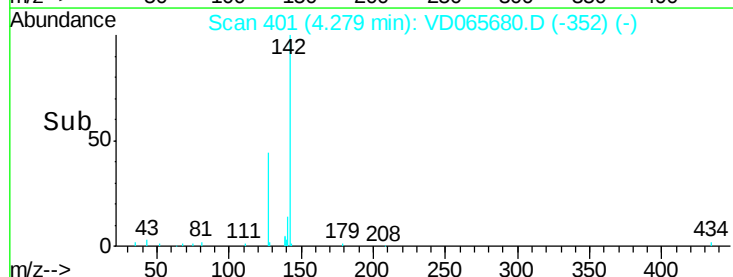
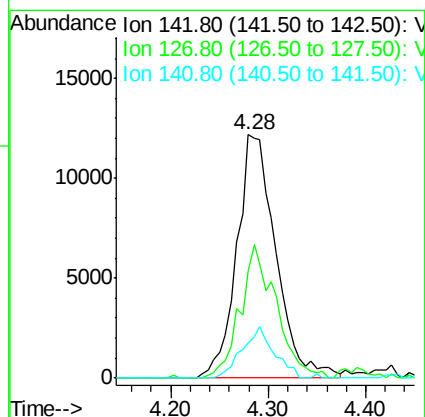
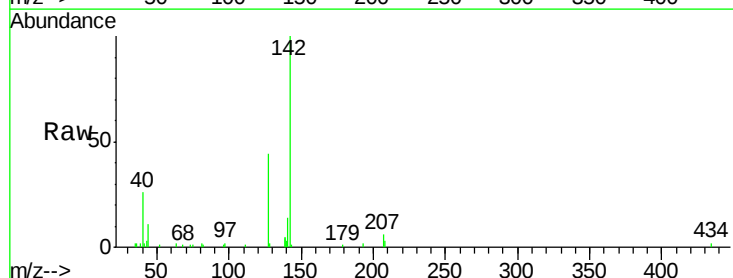
Tgt Ion:142 Resp: 34213

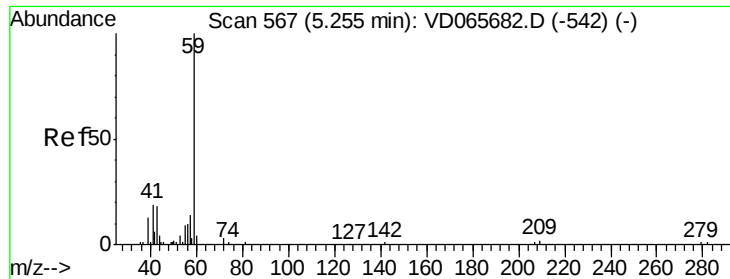
Ion Ratio Lower Upper

142 100

127 50.3 36.7 55.1

141 17.0 12.2 18.2

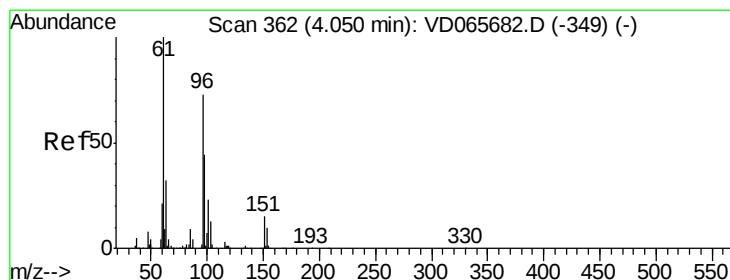
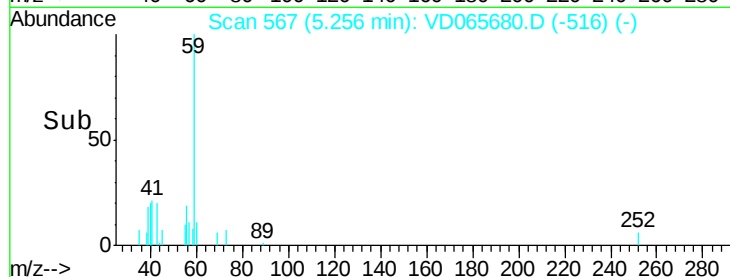
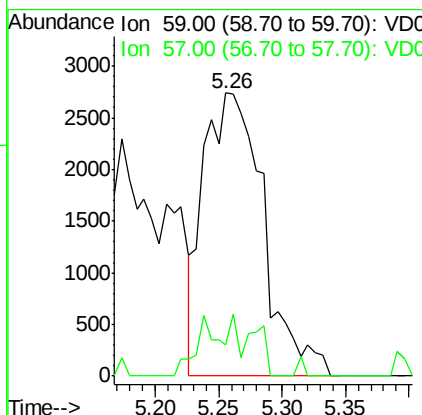
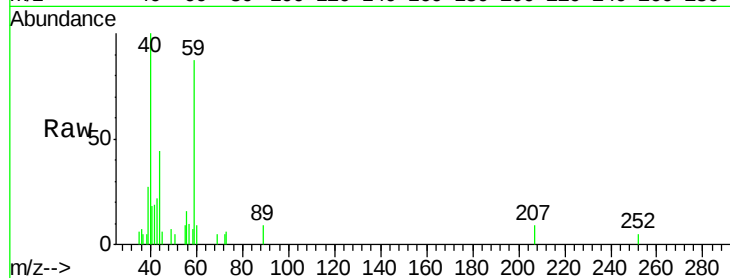




#11
Tert butyl alcohol
Concen: 48.553 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

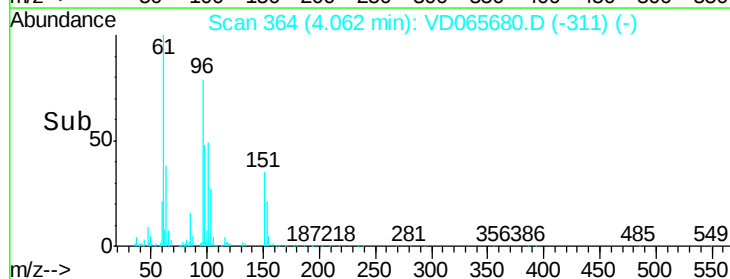
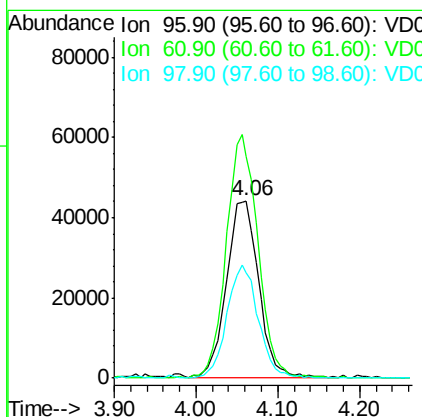
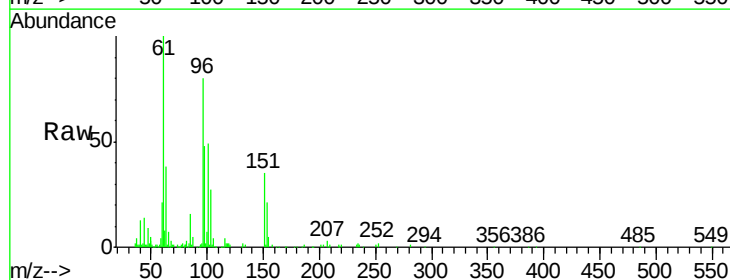
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

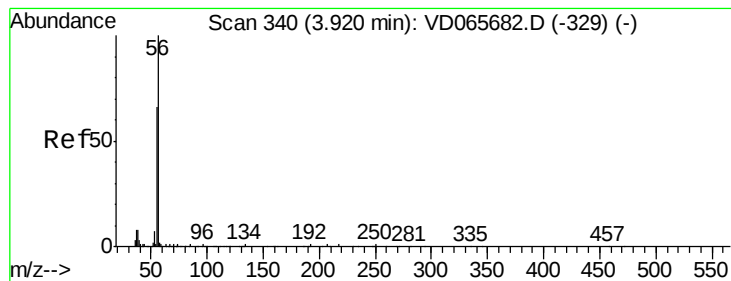
Tot Ion: 59 Resp: 8988
Ion Ratio Lower Upper
59 100
57 8.4 6.8 10.2



#12
1,1-Dichloroethene
Concen: 14.030 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 96 Resp: 122139
Ion Ratio Lower Upper
96 100
61 125.0 108.9 163.3
98 59.7 47.8 71.8





#13

Acrolein

Concen: 61.480 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

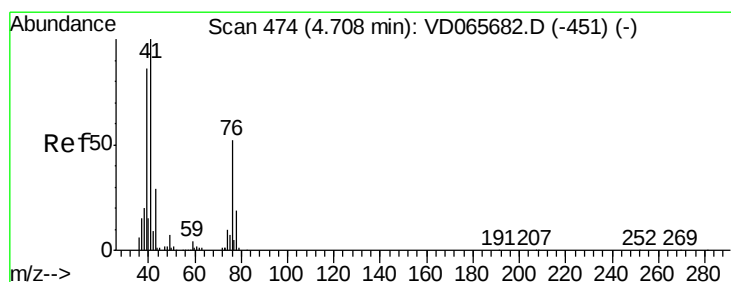
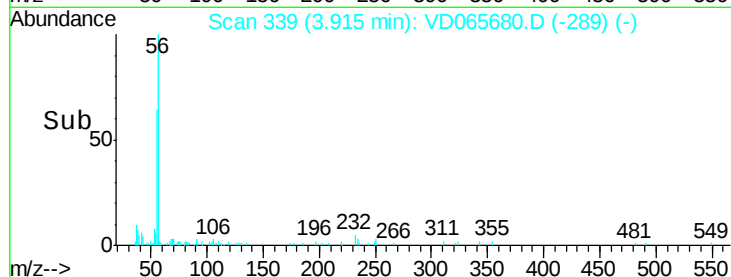
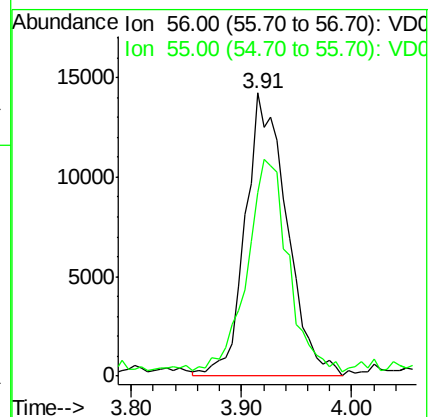
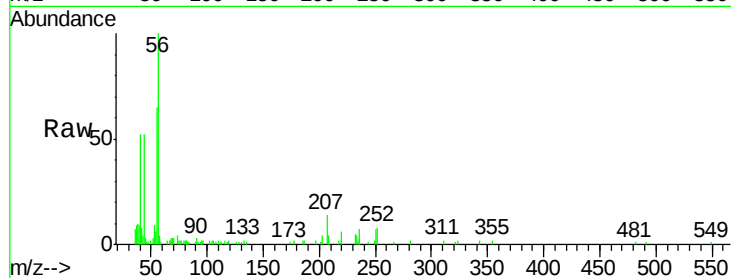
VSTDIC010

Tot Ion: 56 Resp: 37445

Ion Ratio Lower Upper

56 100

55 75.2 57.7 86.5



#14

Allyl chloride

Concen: 9.652 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

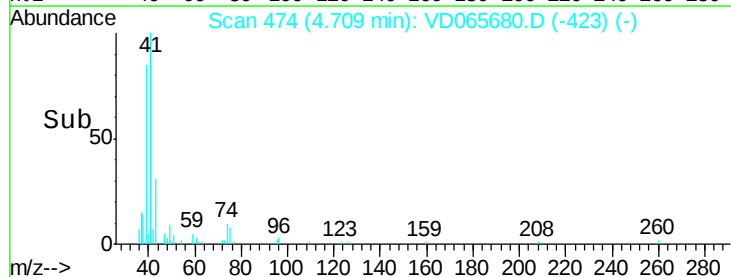
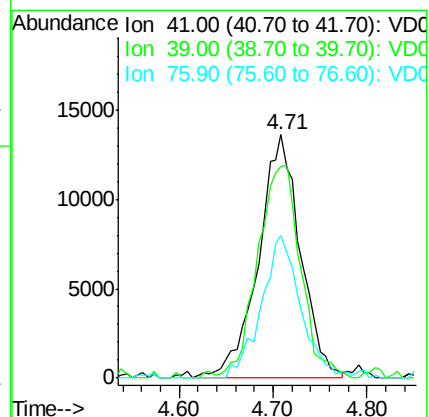
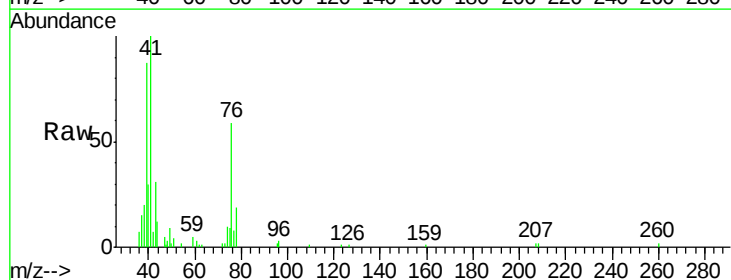
Tgt Ion: 41 Resp: 42133

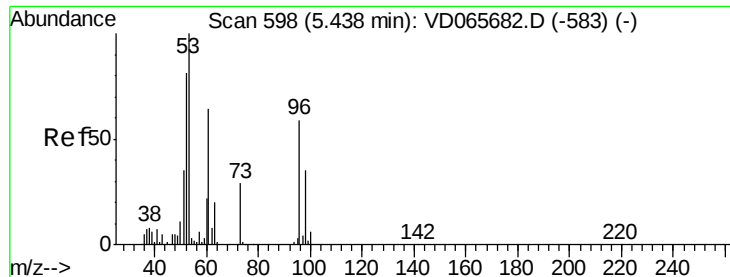
Ion Ratio Lower Upper

41 100

39 89.7 66.2 99.4

76 55.0 41.3 61.9





#15

Acrylonitrile

Concen: 51.974 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

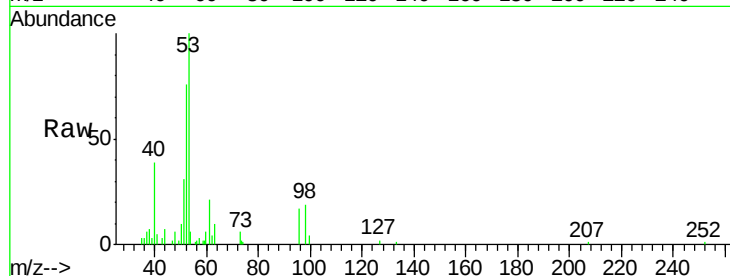
Tot Ion: 53 Resp: 37957

Ion Ratio Lower Upper

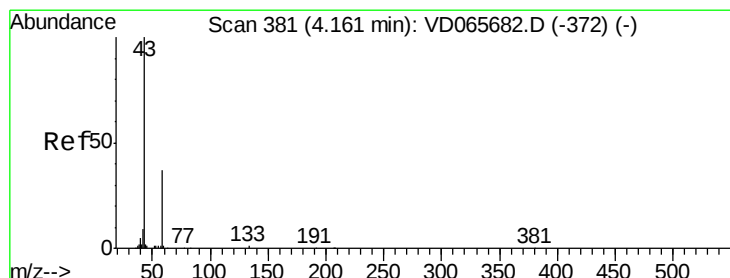
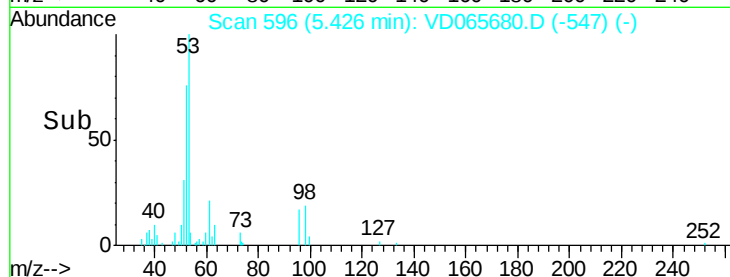
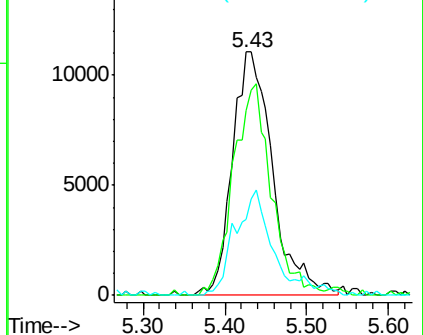
53 100

52 81.7 66.2 99.4

51 38.1 31.5 47.3



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: 71.665 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065680.D

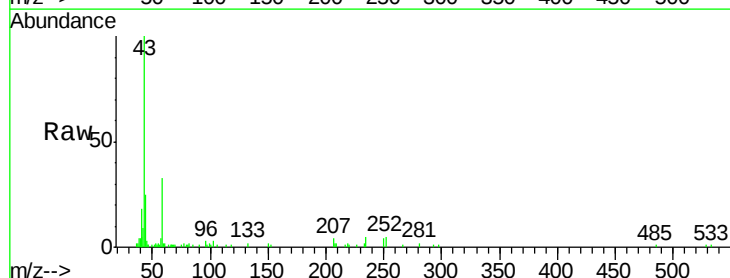
Acq: 29 Apr 2020 14:02

Tgt Ion: 43 Resp: 58919

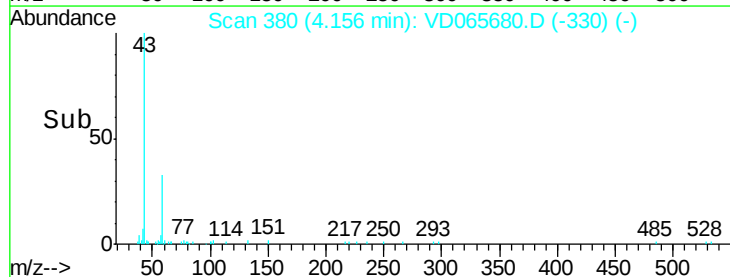
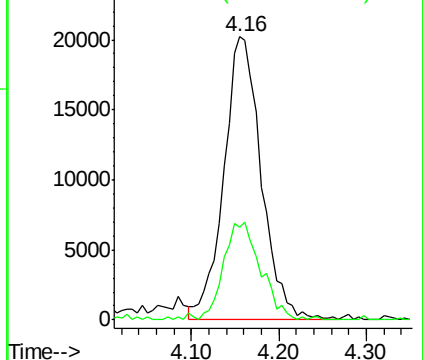
Ion Ratio Lower Upper

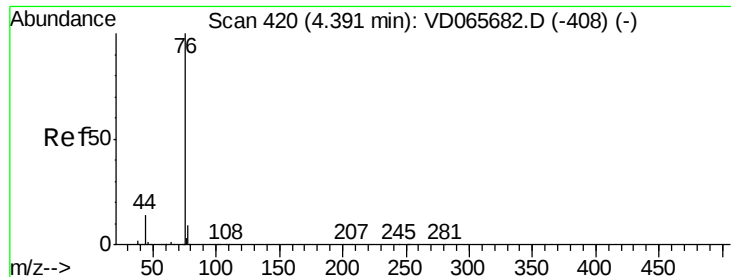
43 100

58 32.5 29.2 43.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 10.439 ug/l

RT: 4.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

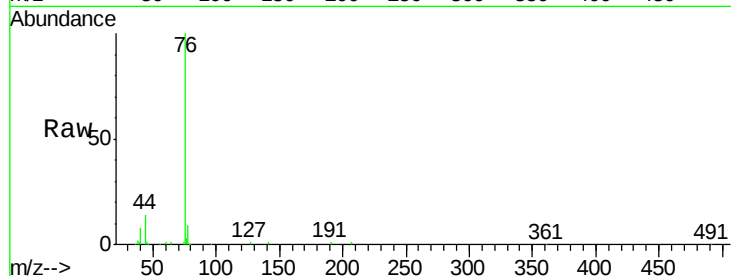
VSTDIC010

Tot Ion: 76 Resp: 149483

Ion Ratio Lower Upper

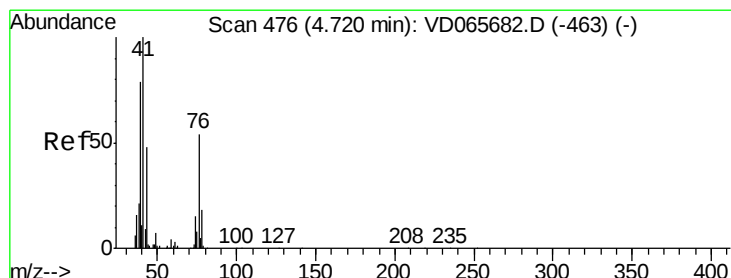
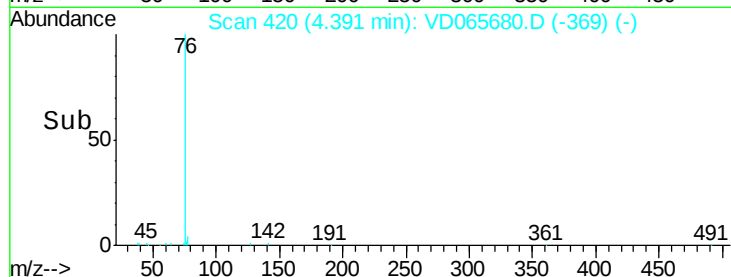
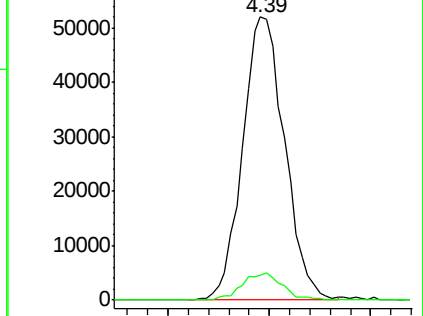
76 100

78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 10.644 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065680.D

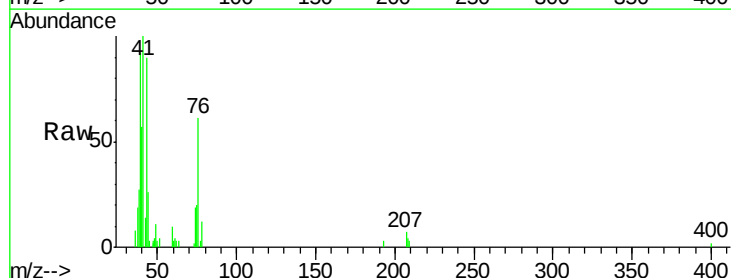
Acq: 29 Apr 2020 14:02

Tgt Ion: 43 Resp: 19266

Ion Ratio Lower Upper

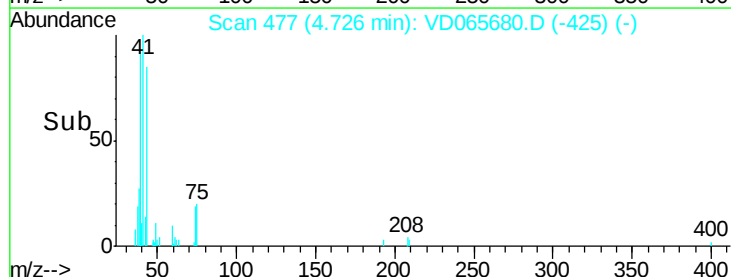
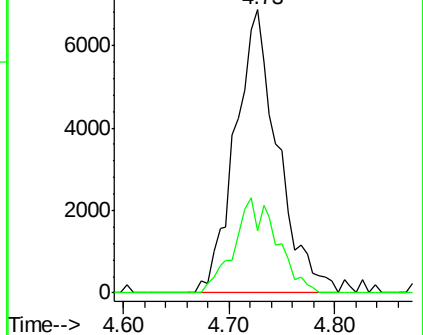
43 100

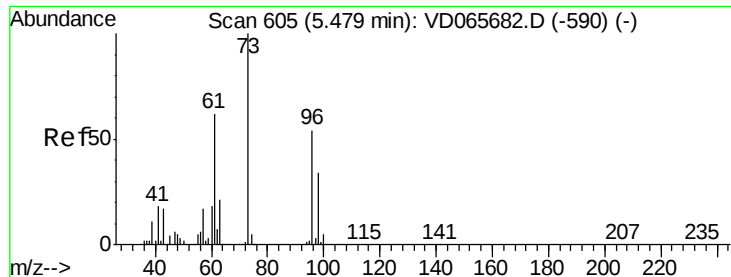
74 33.5 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

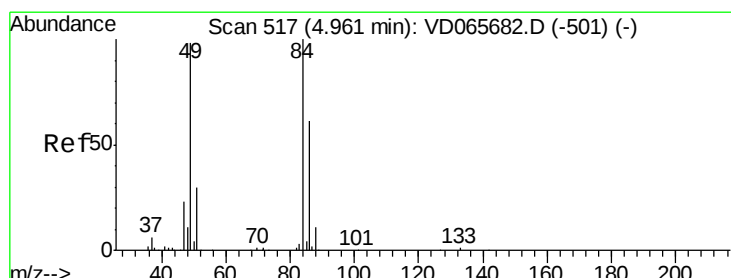
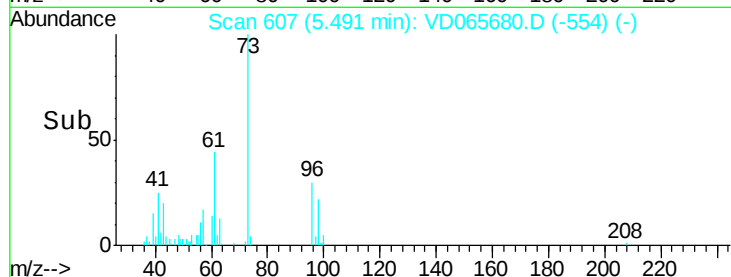
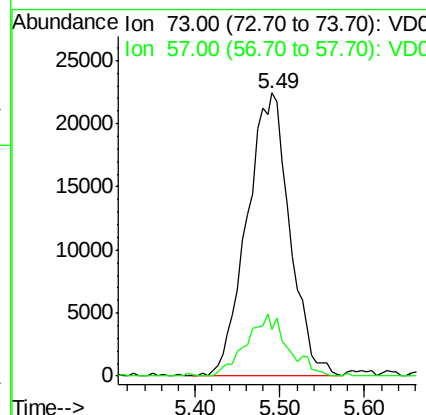
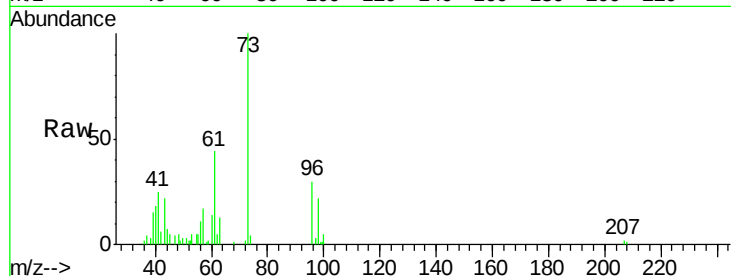




#19
Methyl tert-butyl Ether
Concen: 9.801 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

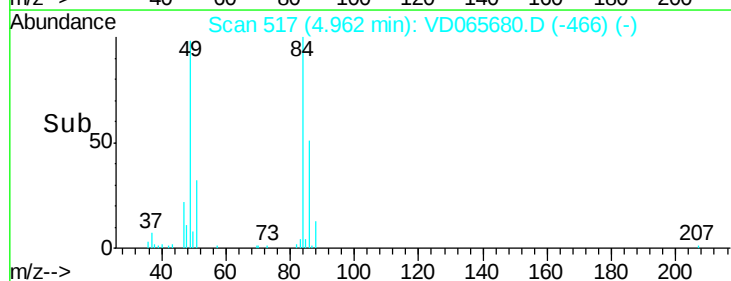
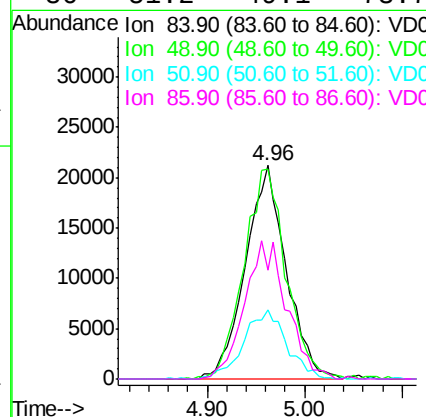
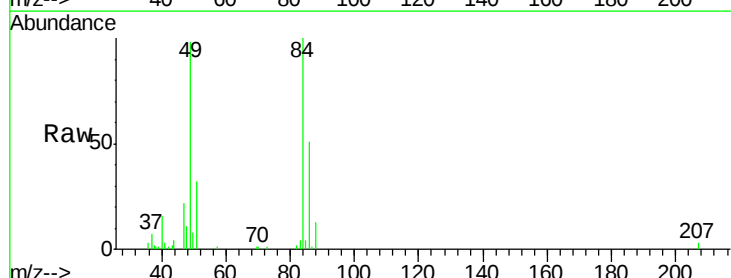
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

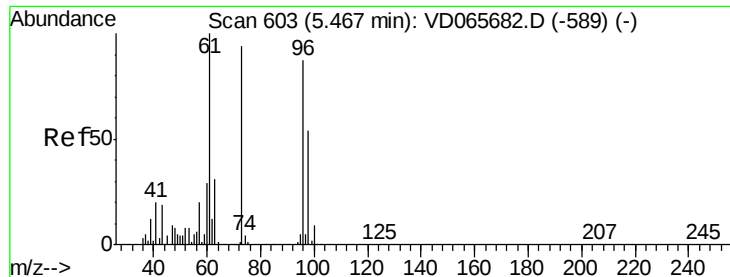
Tot Ion: 73 Resp: 79066
Ion Ratio Lower Upper
73 100
57 16.5 13.7 20.5



#20
Methylene Chloride
Concen: 10.388 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 84 Resp: 62059
Ion Ratio Lower Upper
84 100
49 98.5 78.6 118.0
51 32.3 24.1 36.1
86 51.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 9.902 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

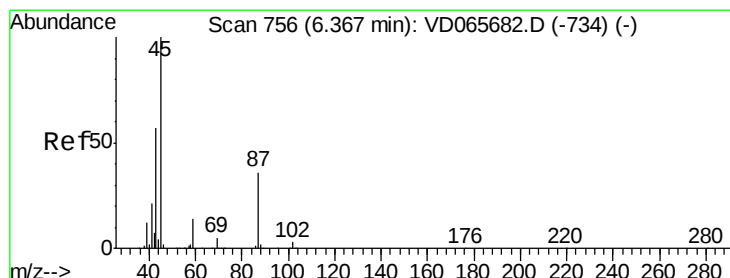
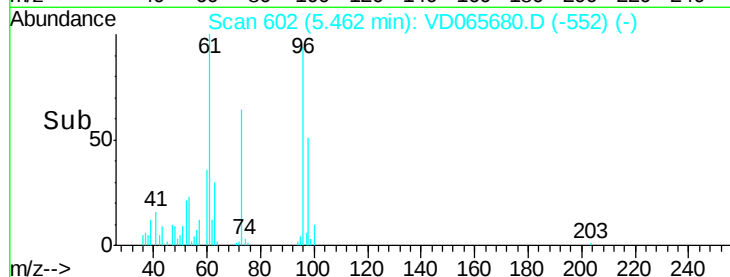
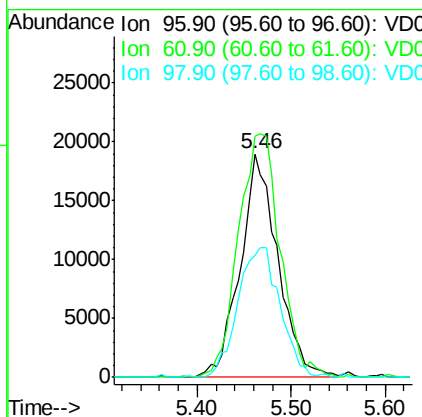
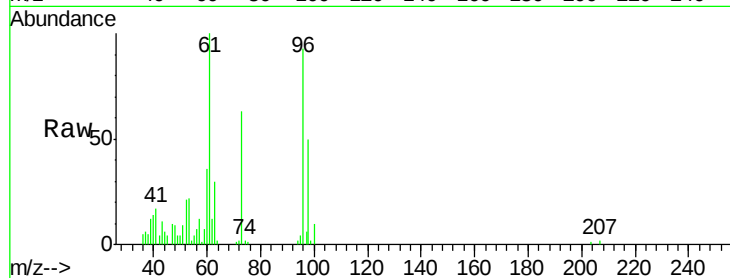
Tot Ion: 96 Resp: 52663

Ion Ratio Lower Upper

96 100

61 108.0 91.7 137.5

98 54.5 49.2 73.8



#22

Diisopropyl ether

Concen: 9.774 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Tgt Ion: 45 Resp: 91986

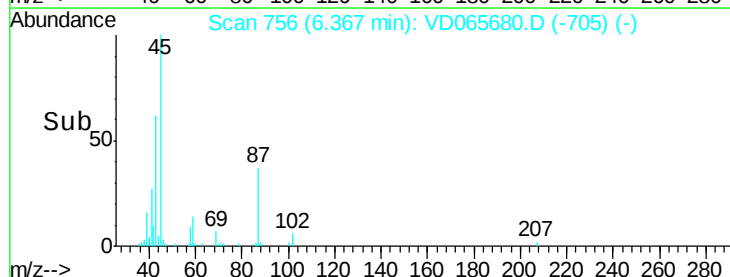
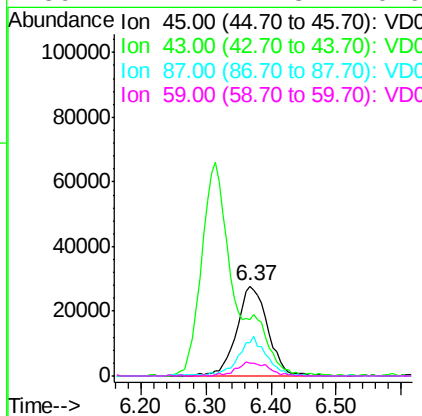
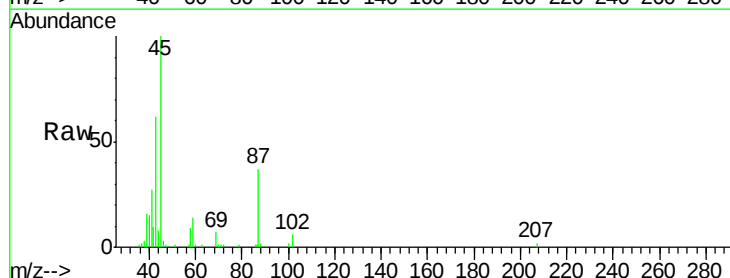
Ion Ratio Lower Upper

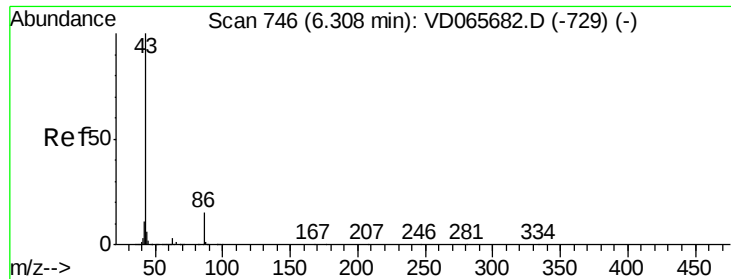
45 100

43 61.3 45.6 68.4

87 36.5 29.3 43.9

59 14.2 11.3 16.9





#23

Vinyl Acetate

Concen: 55.090 ug/l m

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

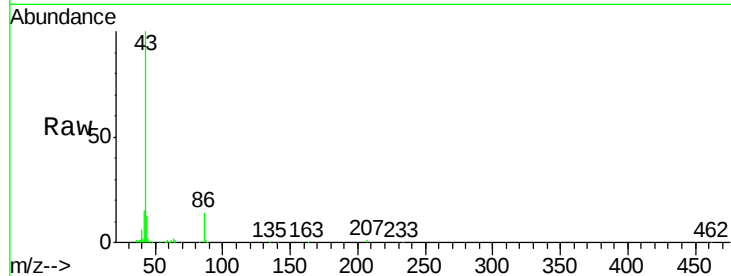
VSTDIC010

Tot Ion: 43 Resp: 236188

Ion Ratio Lower Upper

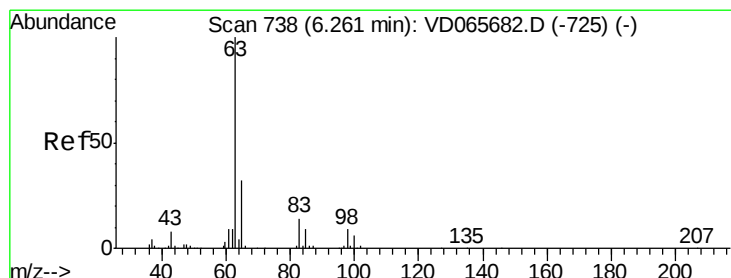
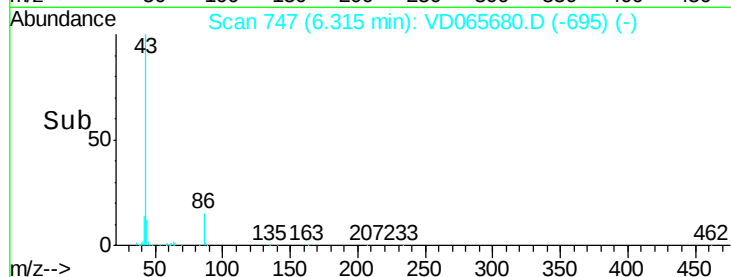
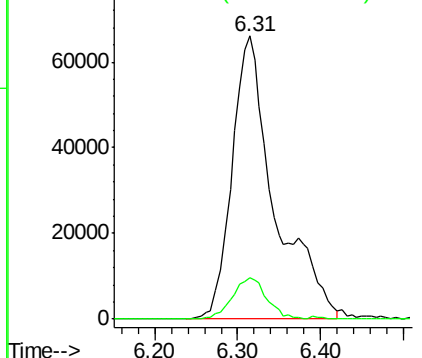
43 100

86 14.5 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.252 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

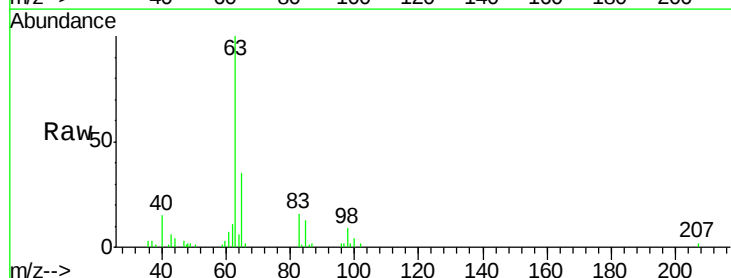
Tgt Ion: 63 Resp: 85644

Ion Ratio Lower Upper

63 100

98 9.3 4.3 13.1

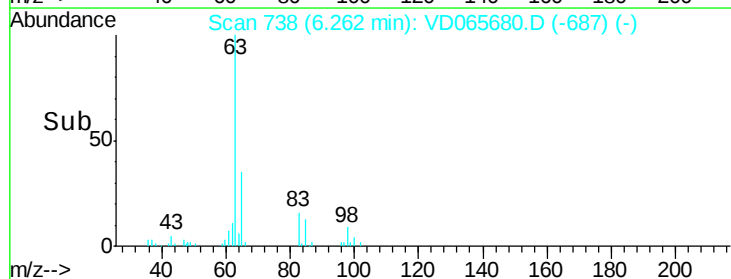
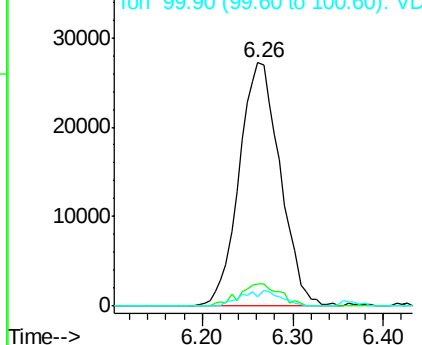
100 4.0 2.9 8.6

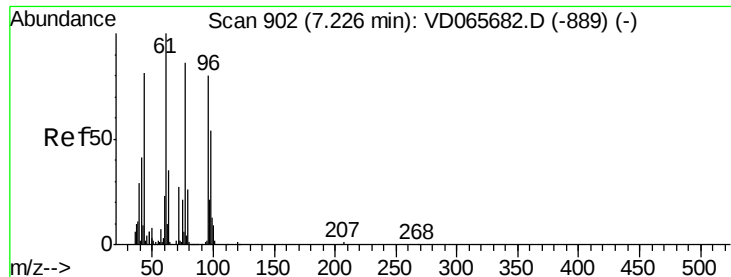


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

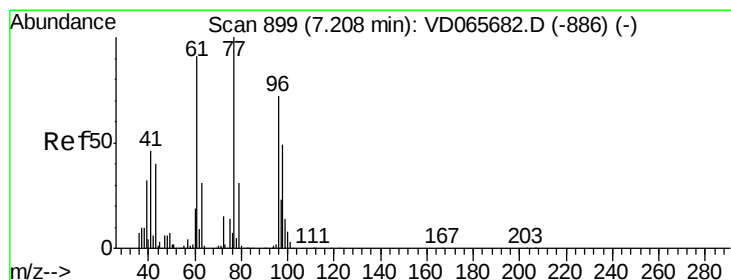
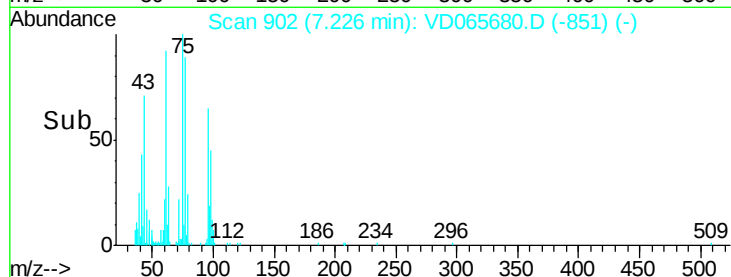
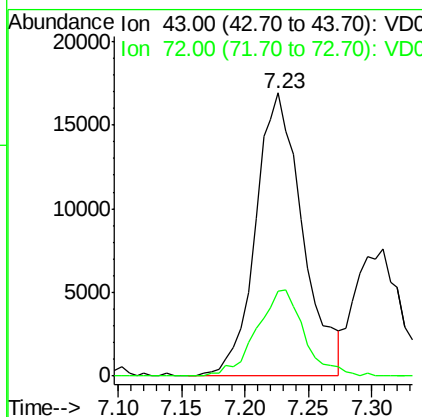
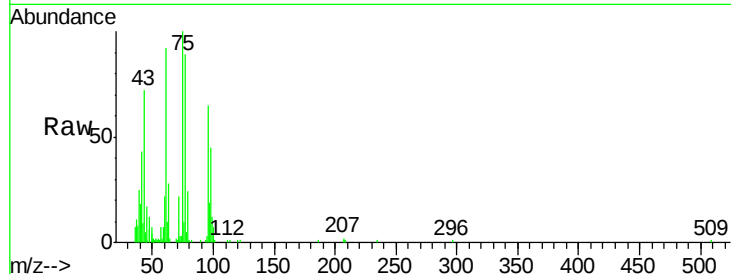




#25
2-Butanone
Concen: 52.704 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

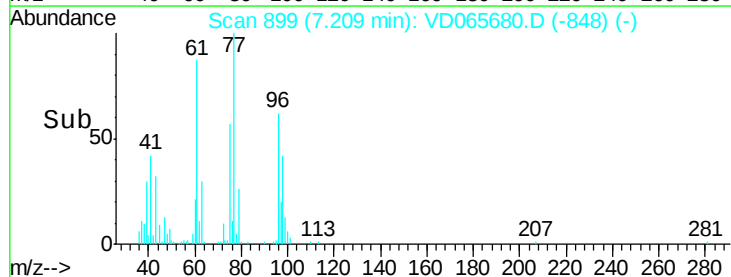
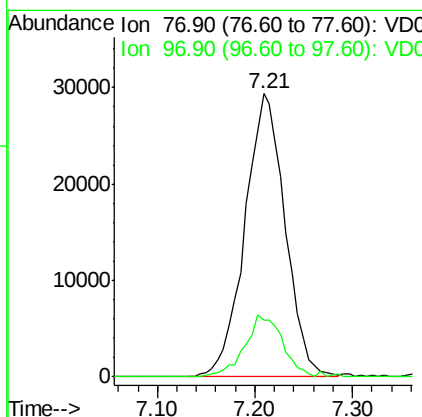
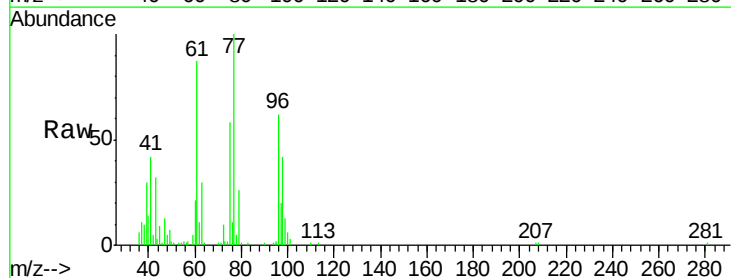
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

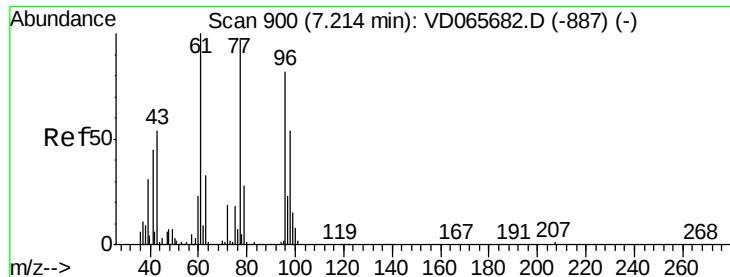
Tot Ion: 43 Resp: 43843
Ion Ratio Lower Upper
43 100
72 30.2 26.1 39.1



#26
2,2-Dichloropropane
Concen: 10.418 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 77 Resp: 84646
Ion Ratio Lower Upper
77 100
97 20.4 11.6 34.8



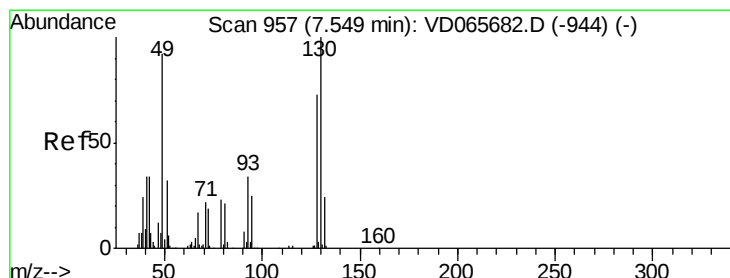
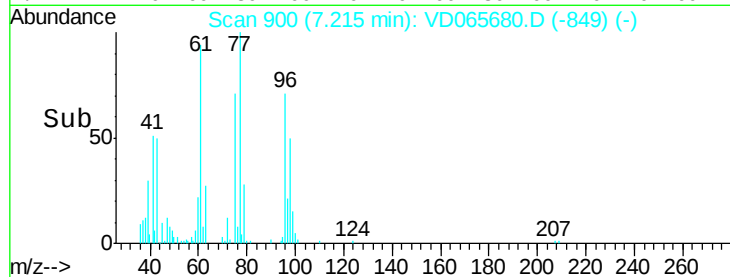
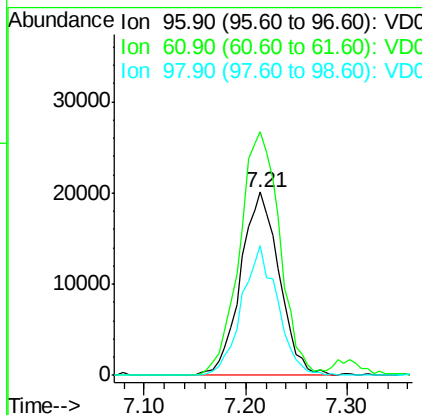
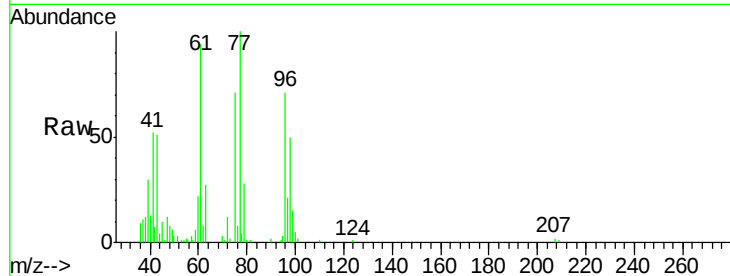


#27

cis-1,2-Dichloroethene
 Concen: 9.624 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

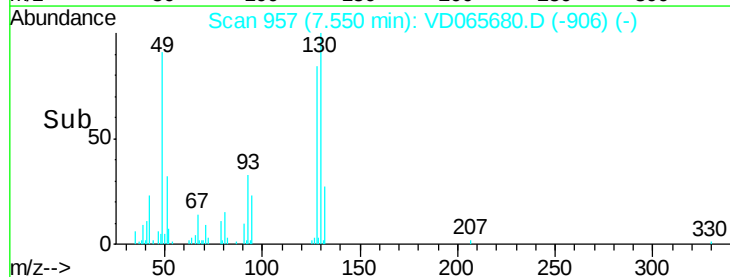
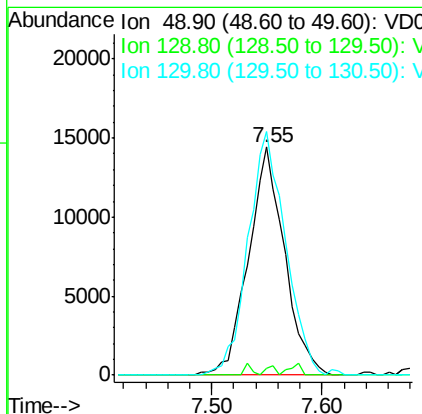
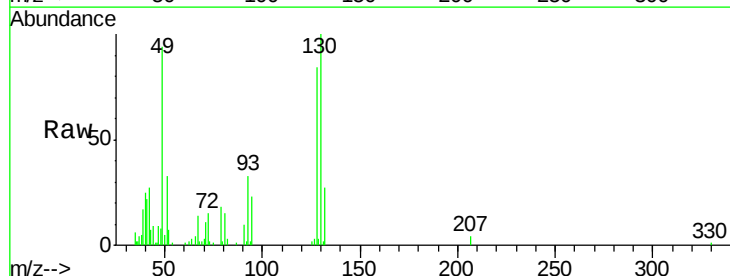
Tot Ion	96	Resp	52938
Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	250.8
98	66.3	0.0	129.8

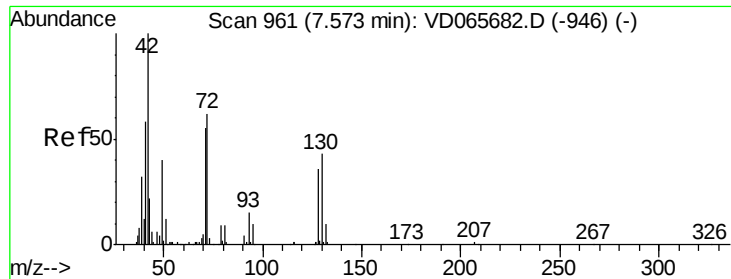


#28

Bromochloromethane
 Concen: 10.657 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion	49	Resp	33055
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	6.8
130	110.9	86.4	129.6

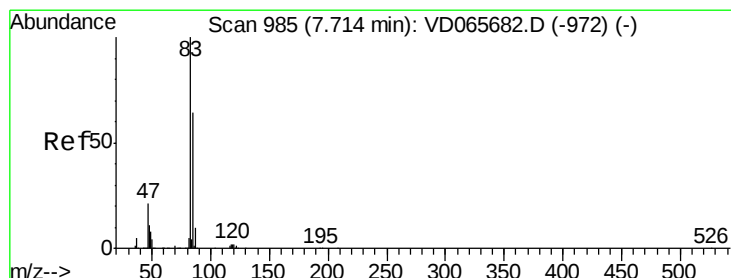
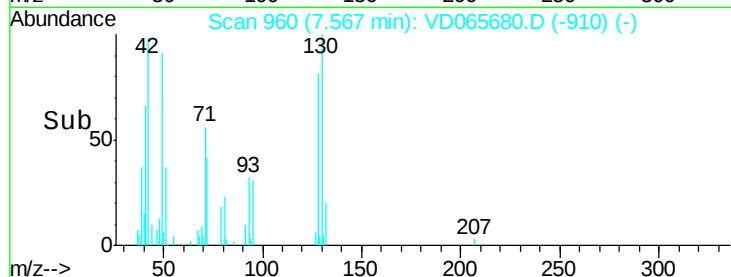
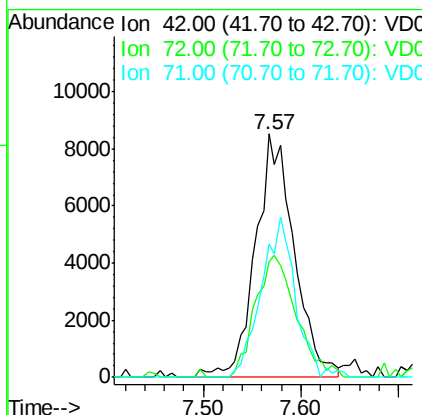
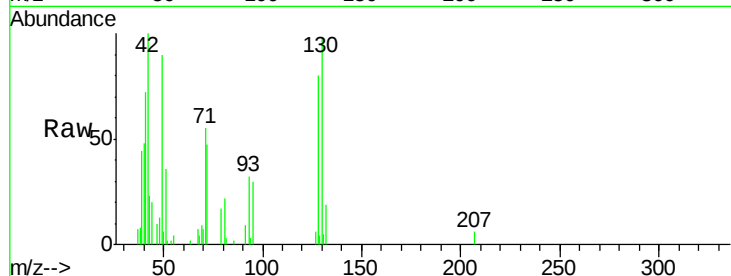




#29
Tetrahydrofuran
Concen: 49.276 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

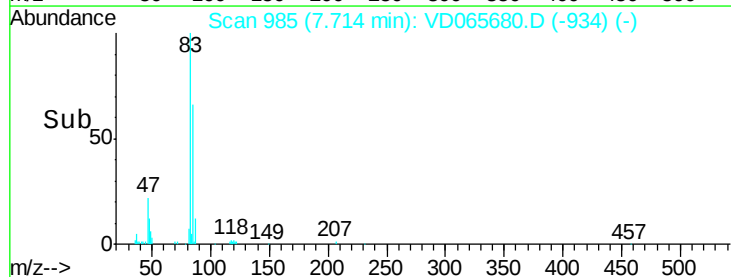
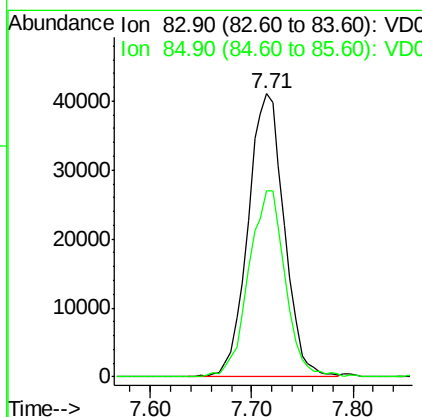
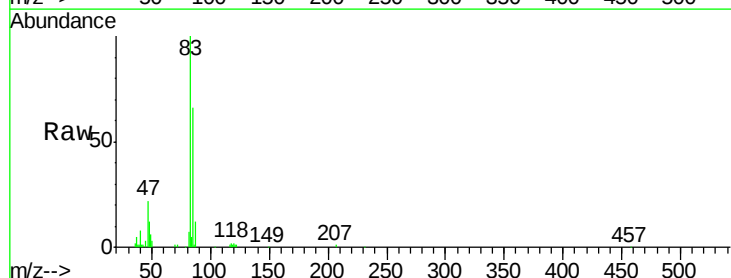
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

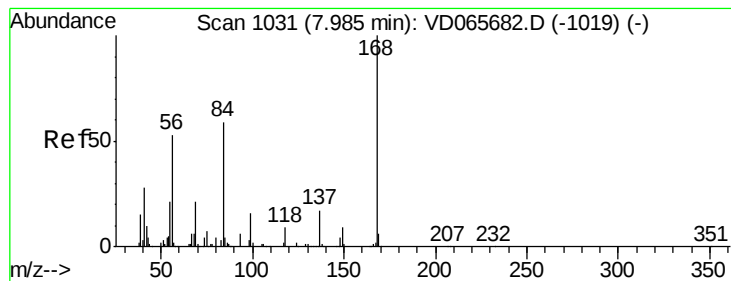
Tot Ion: 42 Resp: 23724
Ion Ratio Lower Upper
42 100
72 52.5 47.9 71.9
71 57.5 45.4 68.0



#30
Chloroform
Concen: 10.092 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 83 Resp: 101987
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.6





#31

Cyclohexane

Concen: 9.763 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

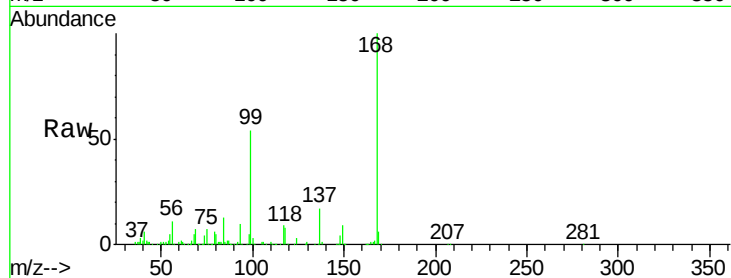
Tot Ion: 56 Resp: 69073

Ion Ratio Lower Upper

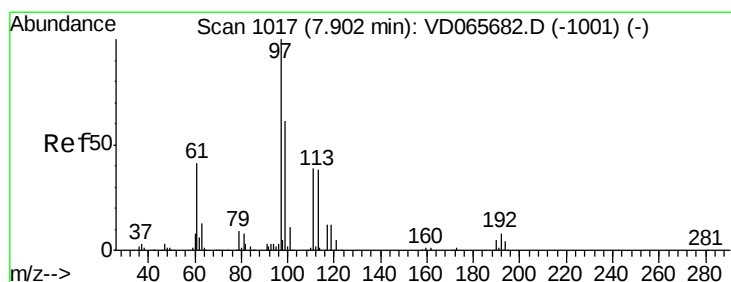
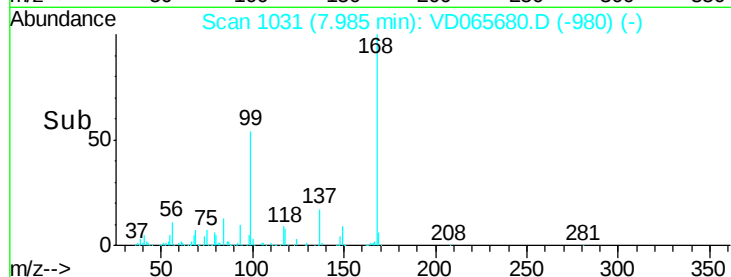
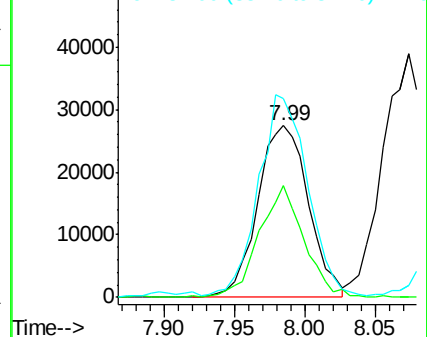
56 100

69 64.8 31.1 46.7#

84 112.6 88.9 133.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 10.139 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

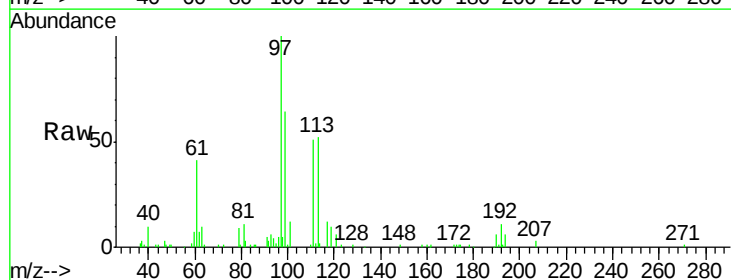
Tgt Ion: 97 Resp: 94707

Ion Ratio Lower Upper

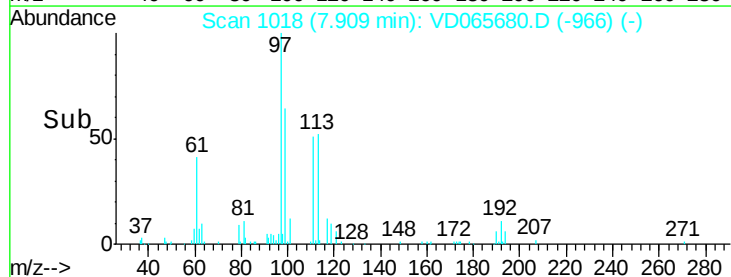
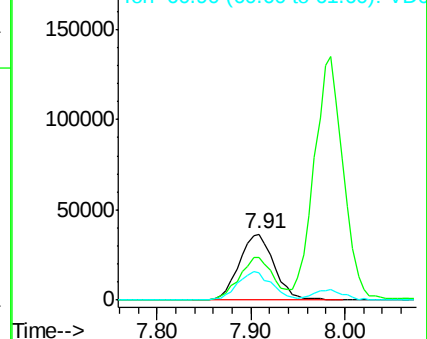
97 100

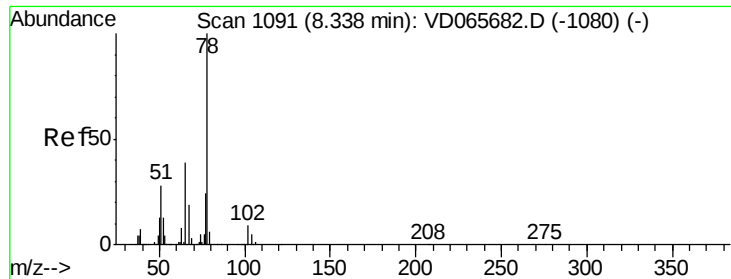
99 62.1 50.7 76.1

61 41.6 32.4 48.6



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

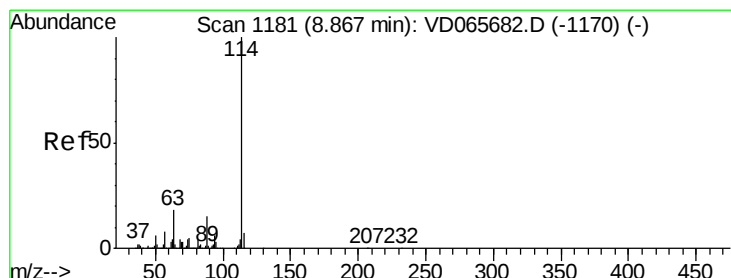
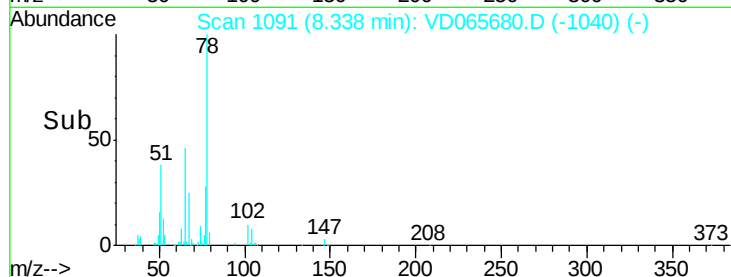
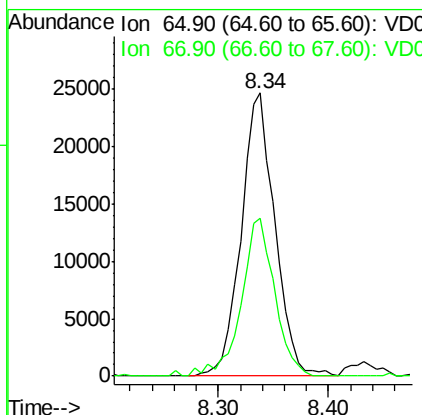
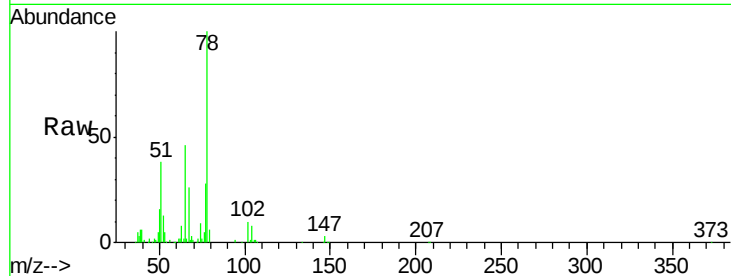




#33
 1,2-Dichloroethane-d4
 Concen: 10.494 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

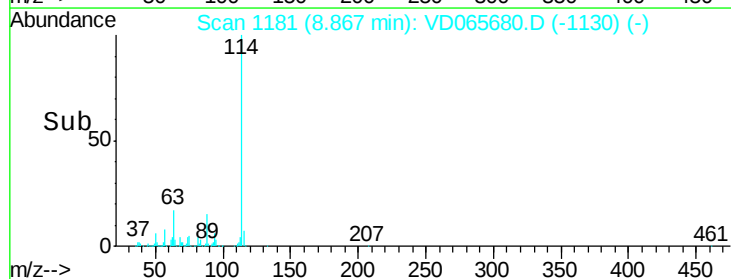
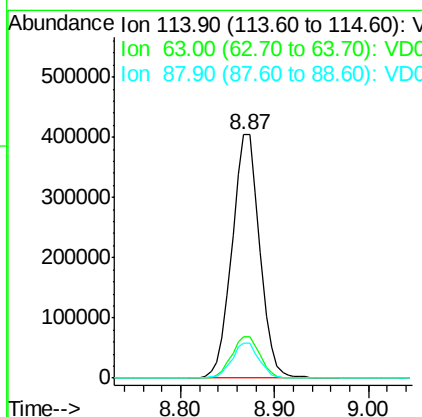
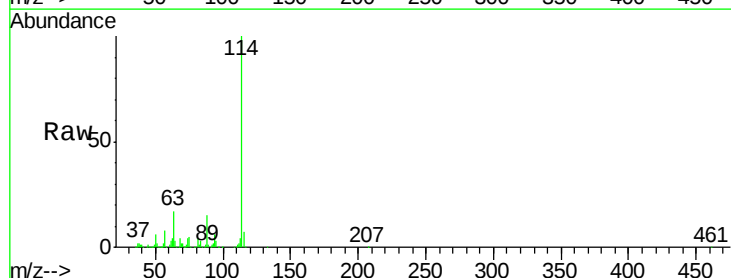
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

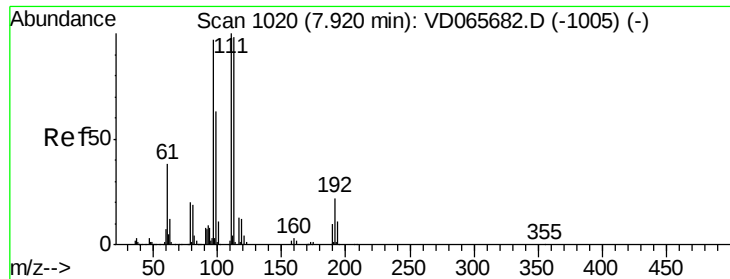
Tot Ion: 65 Resp: 52938
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion: 114 Resp: 828491
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.8
 88 14.5 0.0 29.6

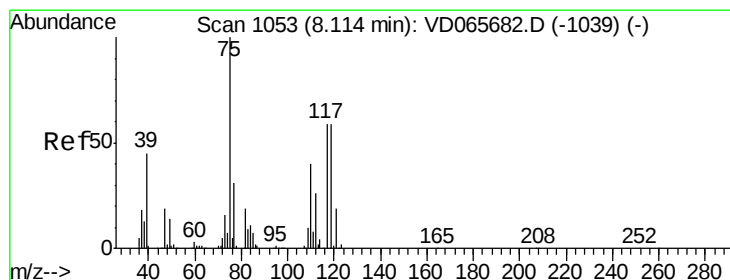
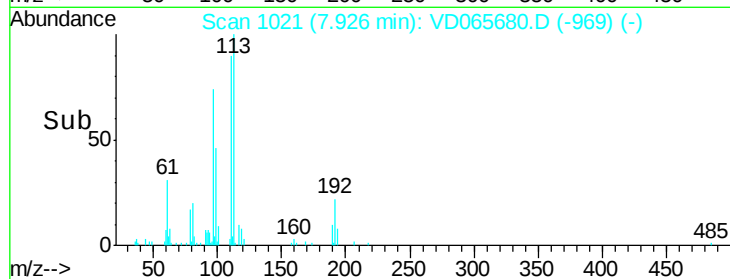
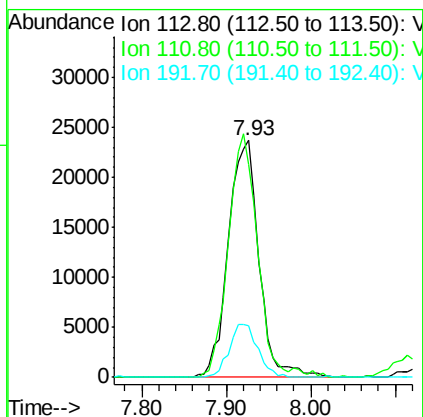
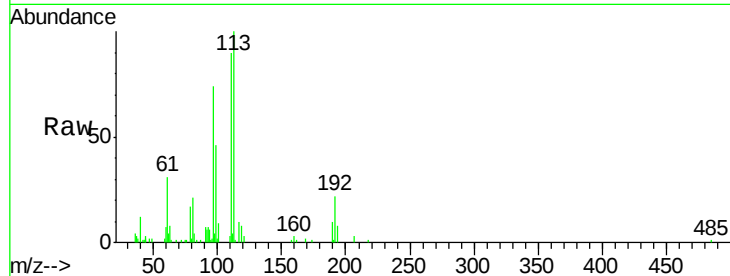




#35
 Dibromofluoromethane
 Concen: 10.435 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

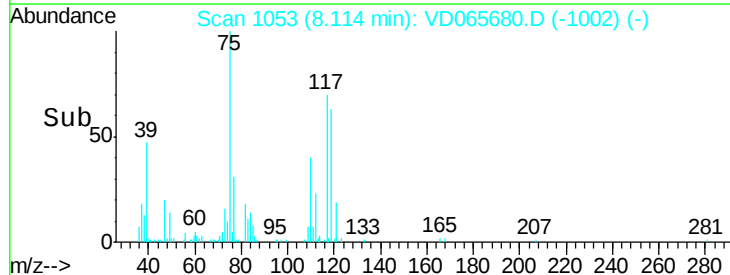
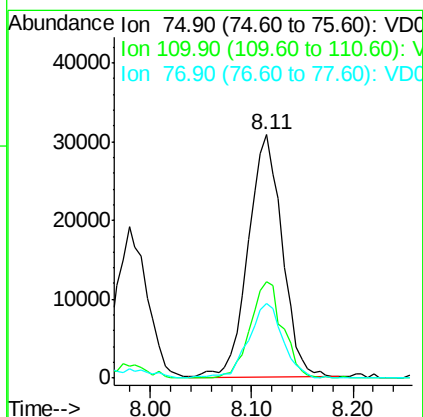
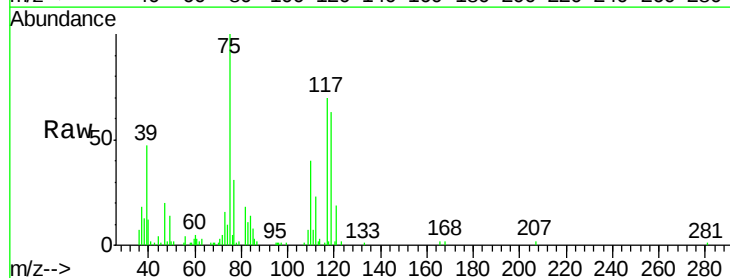
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

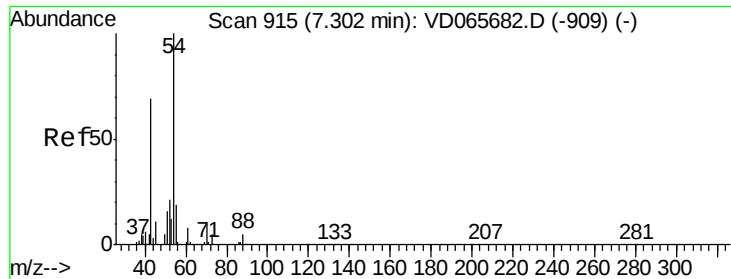
Tot Ion:113 Resp: 59155
 Ion Ratio Lower Upper
 113 100
 111 96.5 83.3 124.9
 192 20.9 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 9.732 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion: 75 Resp: 71228
 Ion Ratio Lower Upper
 75 100
 110 38.2 20.0 60.0
 77 31.3 25.4 38.2

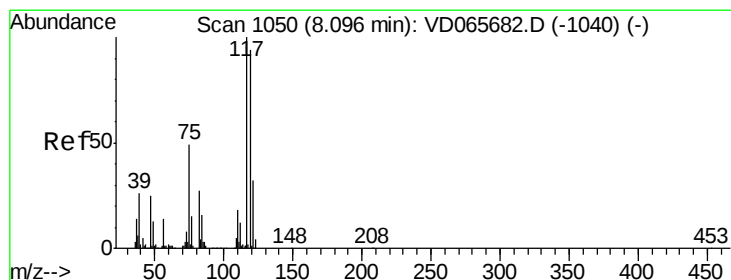
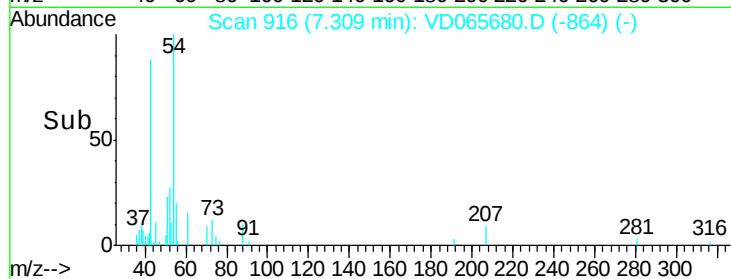
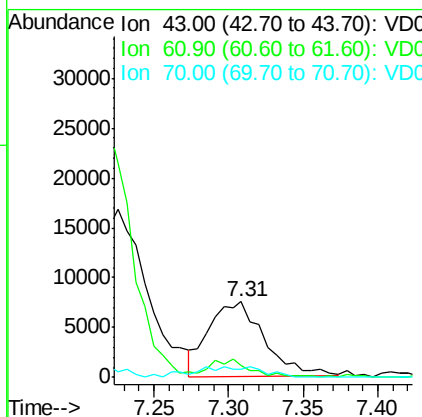
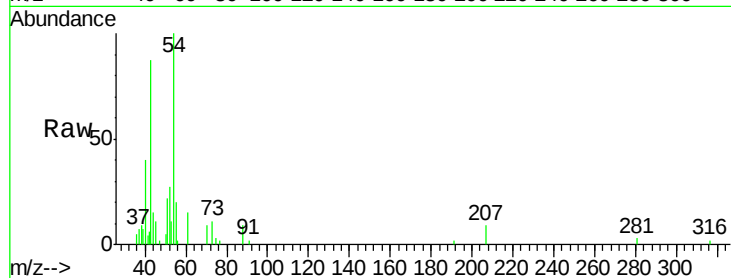




#37
Ethyl Acetate
Concen: 9.797 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

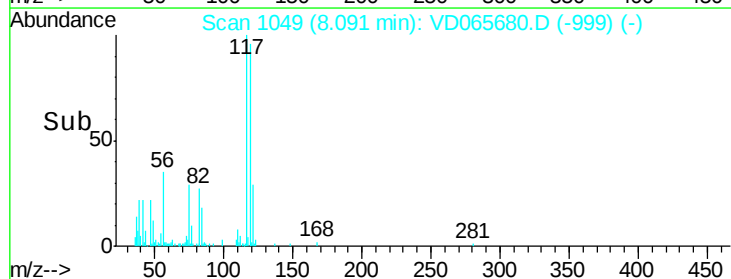
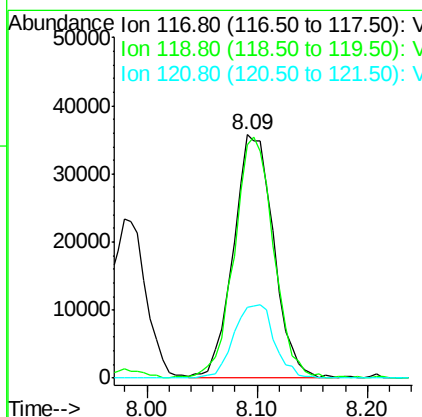
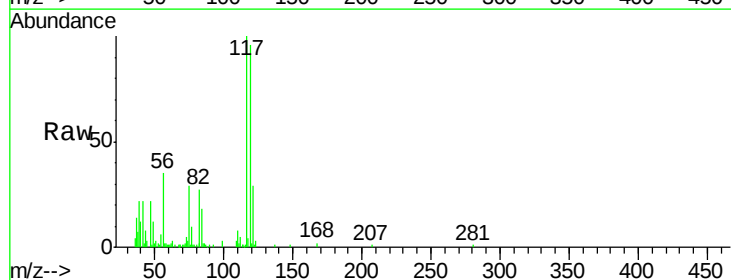
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

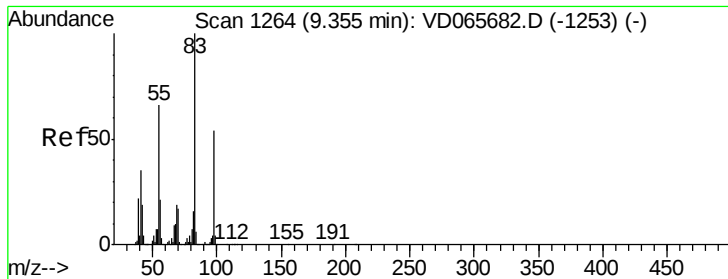
Tot Ion: 43 Resp: 19301
Ion Ratio Lower Upper
43 100
61 17.8 13.0 19.4
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 9.887 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 117 Resp: 91415
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.2
121 29.1 25.3 37.9

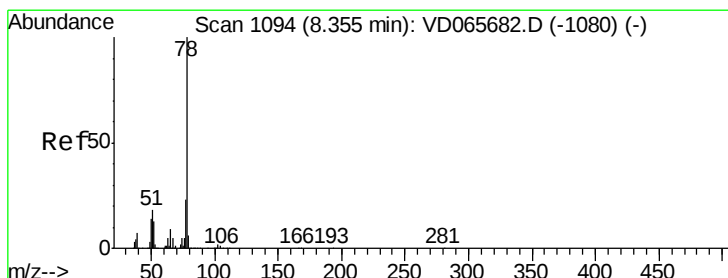
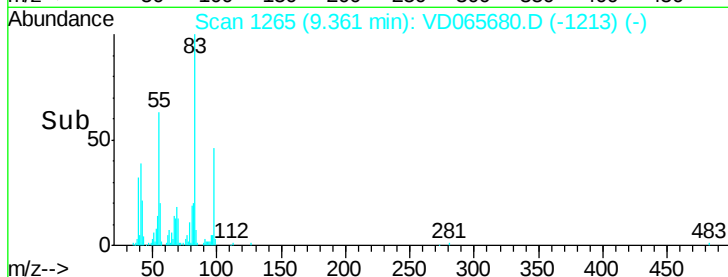
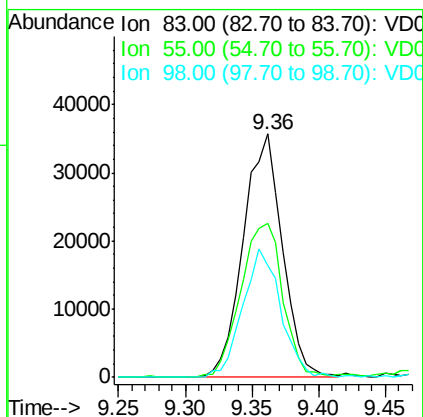
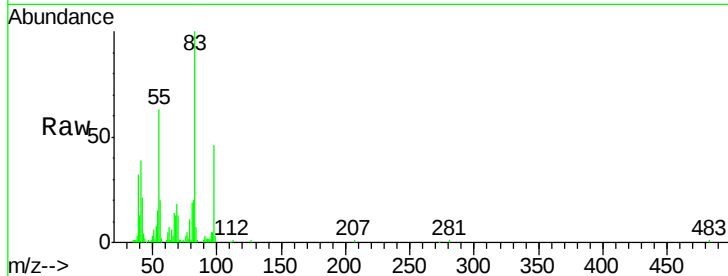




#39
Methvlcvclohexane
Concen: 9.332 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

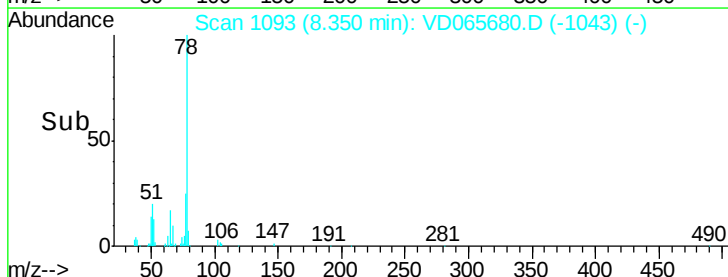
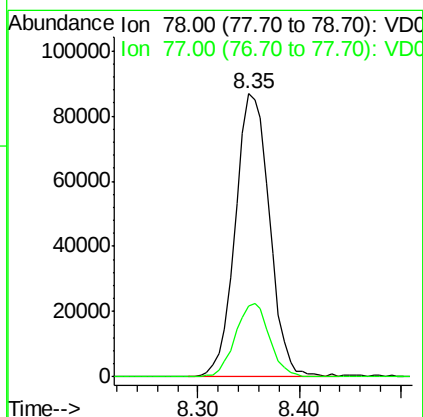
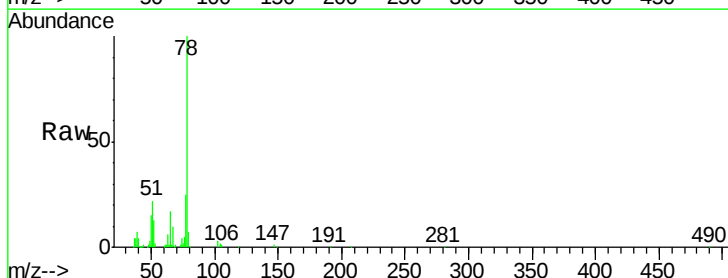
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

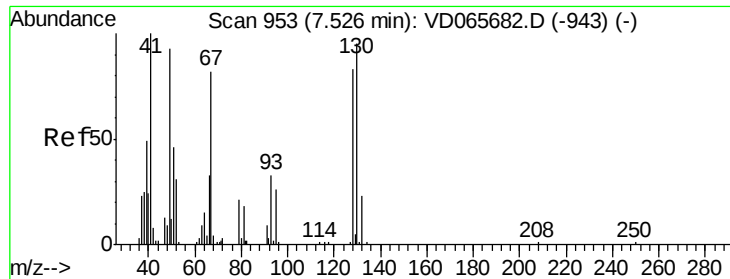
Tot Ion: 83 Resp: 72390
Ion Ratio Lower Upper
83 100
55 63.1 52.6 79.0
98 46.1 43.0 64.4



#40
Benzene
Concen: 9.816 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 78 Resp: 203110
Ion Ratio Lower Upper
78 100
77 25.2 18.6 28.0

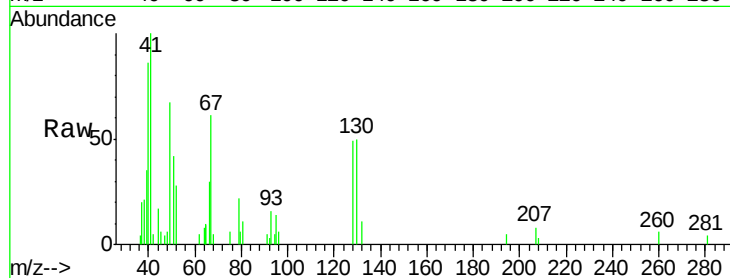




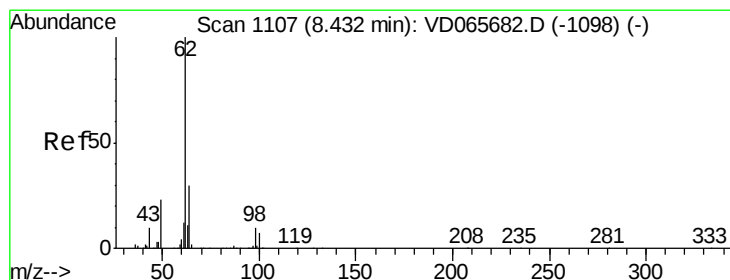
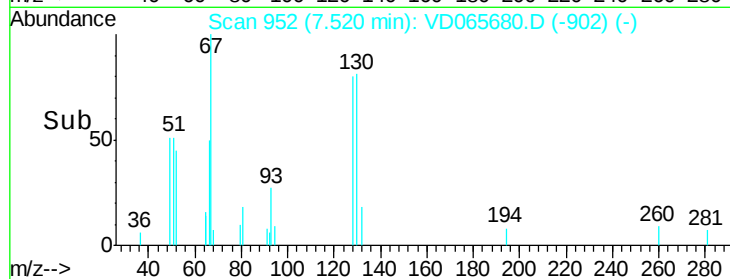
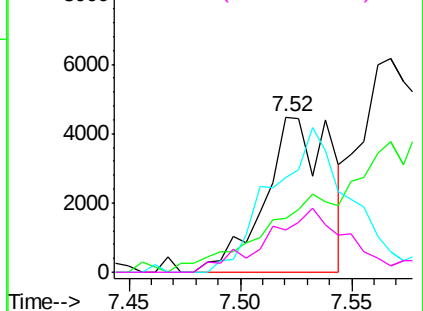
#41
Methacrylonitrile
Concen: 7.508 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 41 Resp: 9188
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 113.3 93.6 140.4
52 52.6 40.5 60.7

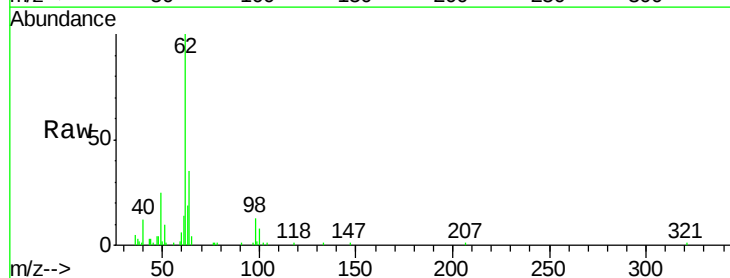


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

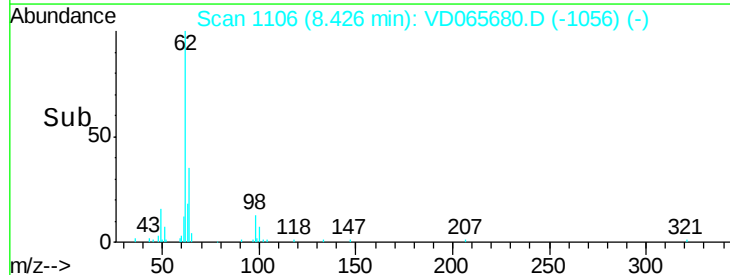
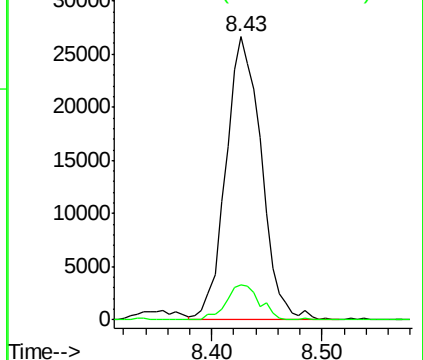


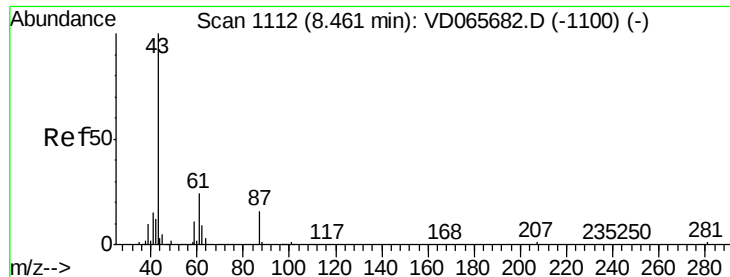
#42
1,2-Dichloroethane
Concen: 10.017 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 62 Resp: 59912
Ion Ratio Lower Upper
62 100
98 11.7 0.0 21.2



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 9.996 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

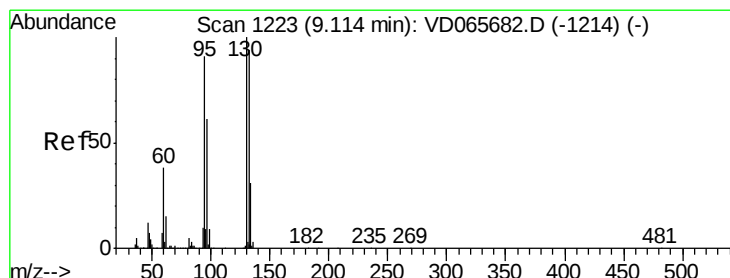
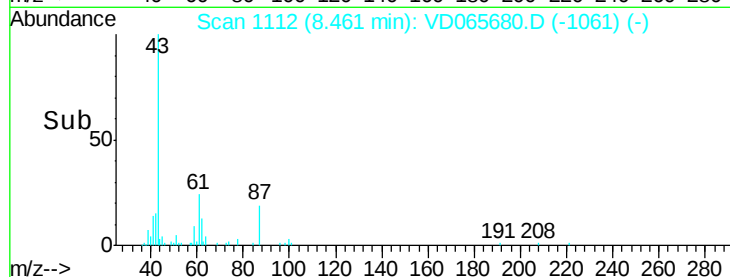
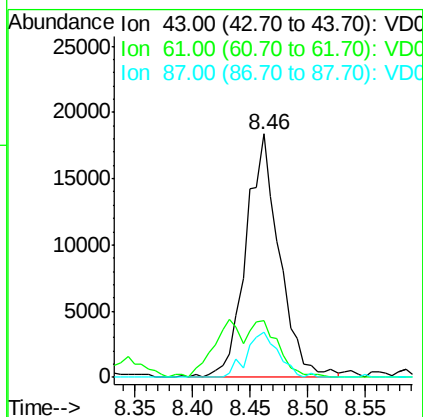
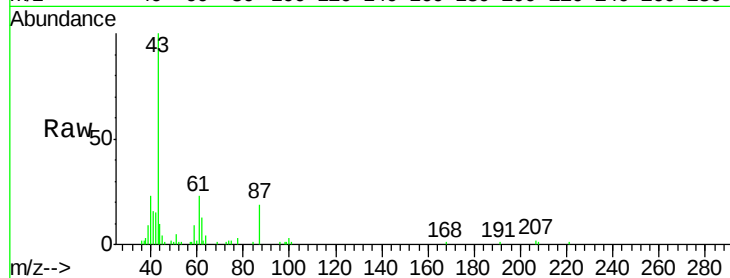
Tot Ion: 43 Resp: 37002

Ion Ratio Lower Upper

43 100

61 20.5 30.2 45.2#

87 17.5 13.7 20.5



#44

Trichloroethene

Concen: 10.023 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065680.D

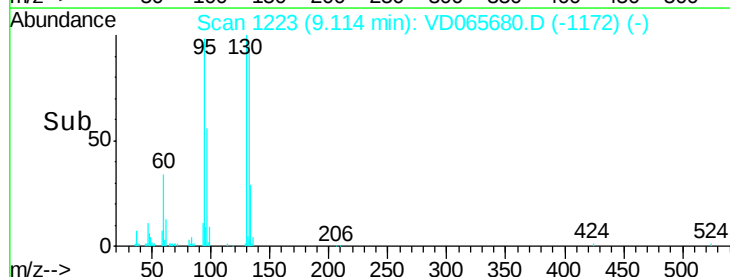
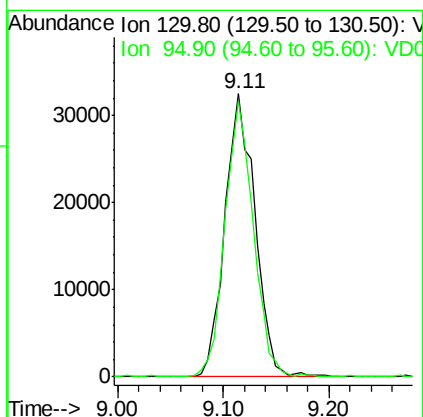
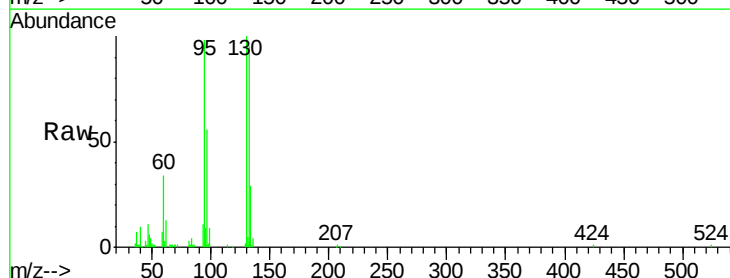
Acq: 29 Apr 2020 14:02

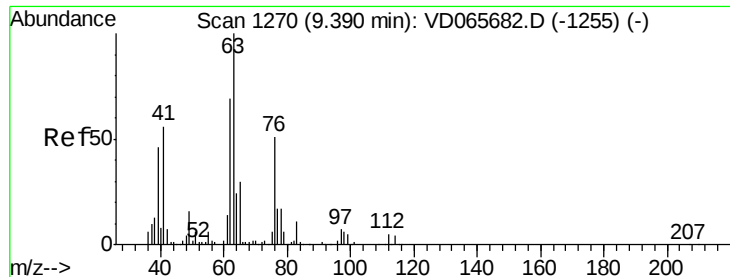
Tgt Ion: 130 Resp: 64079

Ion Ratio Lower Upper

130 100

95 97.5 0.0 183.0





#45

1,2-Dichloropropane

Concen: 9.767 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

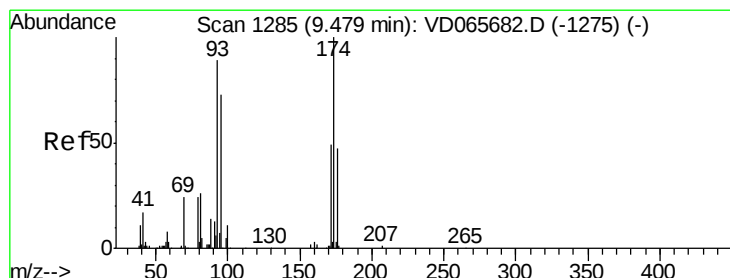
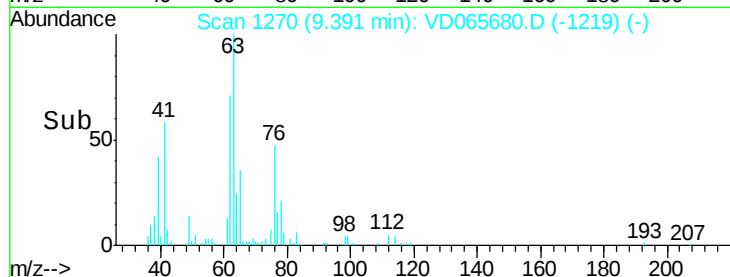
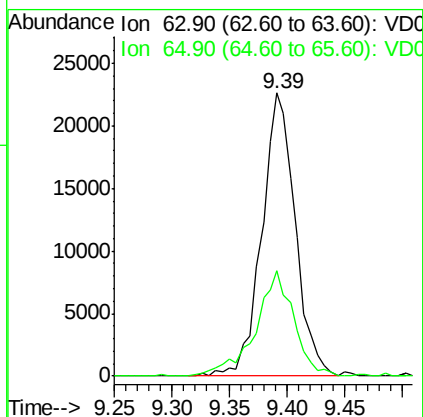
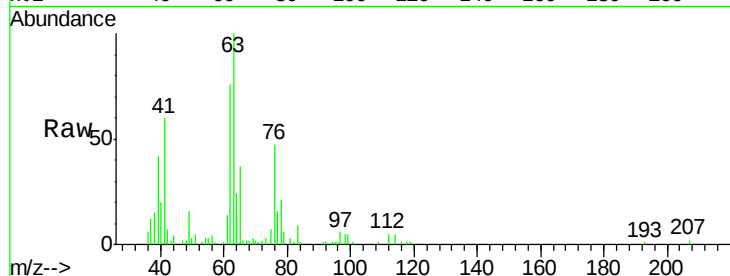
VSTDIC010

Tot Ion: 63 Resp: 45689

Ion Ratio Lower Upper

63 100

65 37.2 23.7 35.5#



#46

Dibromomethane

Concen: 10.266 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

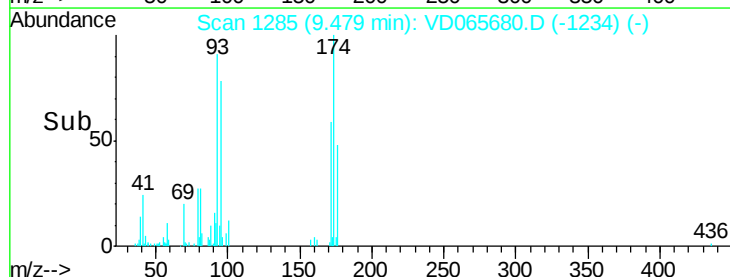
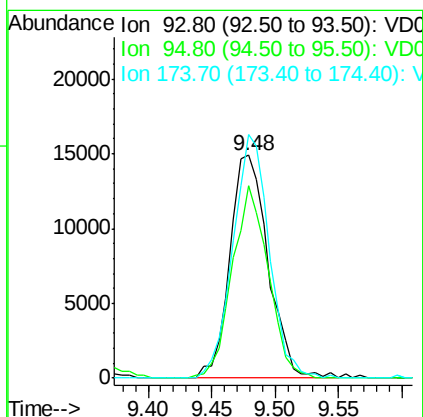
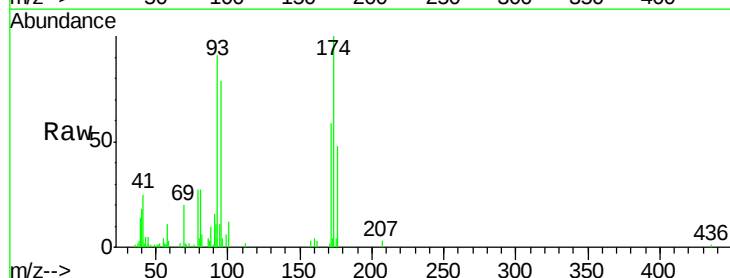
Tgt Ion: 93 Resp: 31094

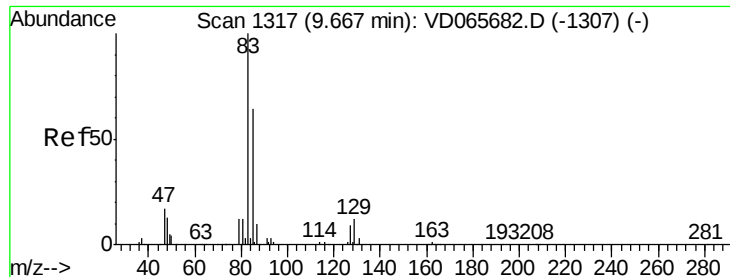
Ion Ratio Lower Upper

93 100

95 81.5 65.7 98.5

174 104.2 87.3 130.9





#47

Bromodichloromethane

Concen: 10.176 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

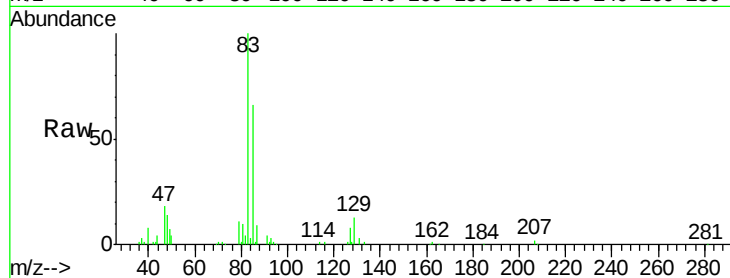
Tot Ion: 83 Resp: 81472

Ion Ratio Lower Upper

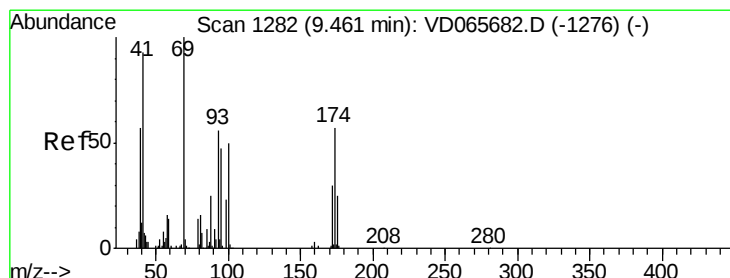
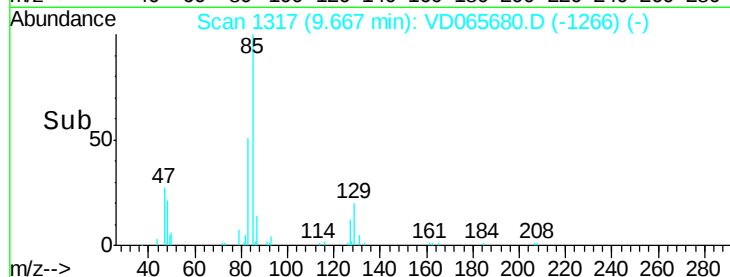
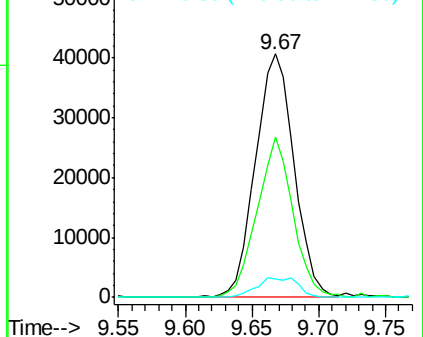
83 100

85 65.7 51.1 76.7

127 7.8 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 9.852 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

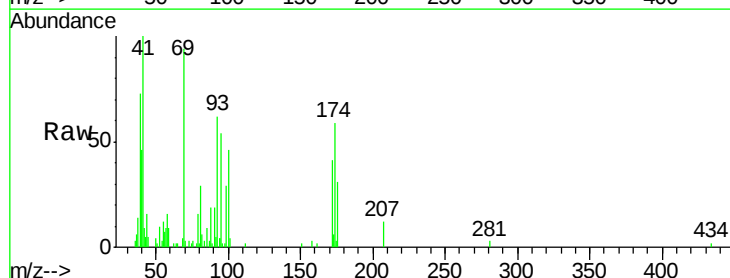
Tgt Ion: 41 Resp: 15969

Ion Ratio Lower Upper

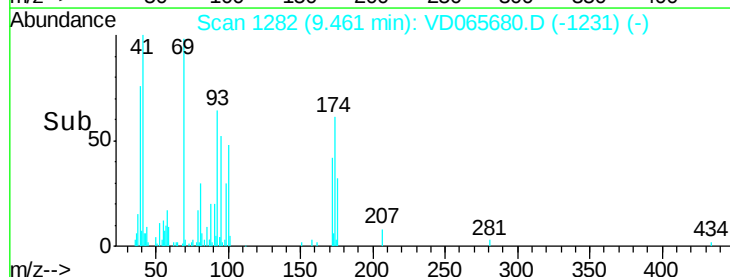
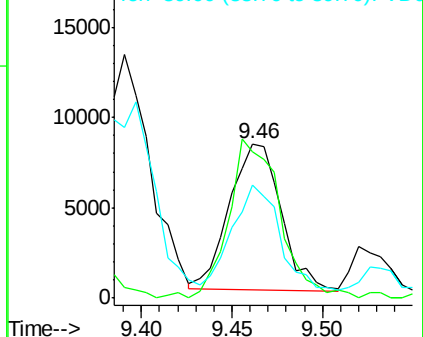
41 100

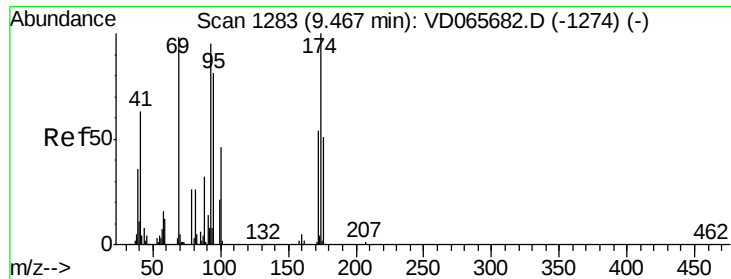
69 109.3 92.3 138.5

39 66.7 53.4 80.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

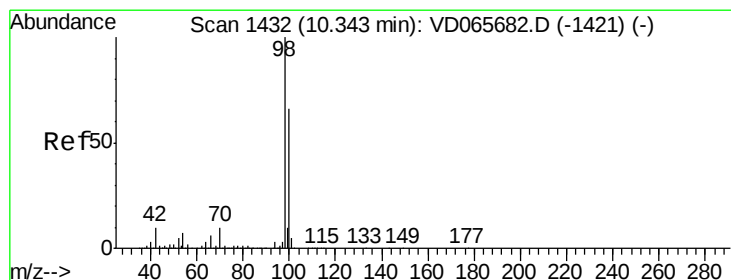
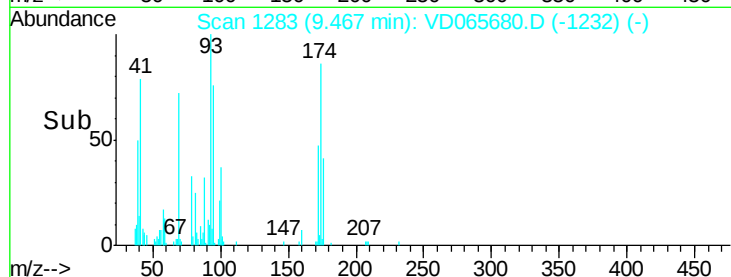
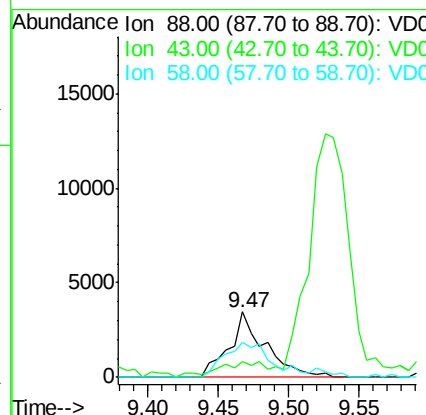
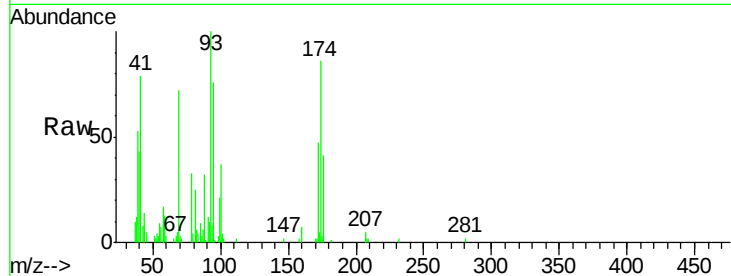




#49
1,4-Dioxane
Concen: 208.963 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

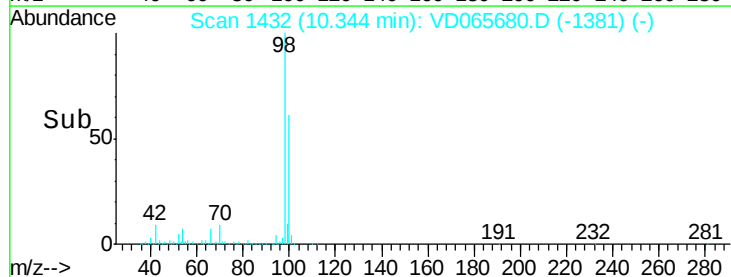
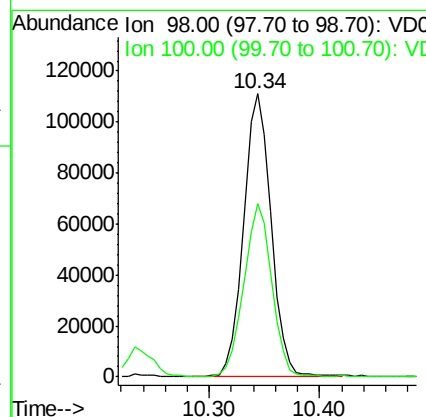
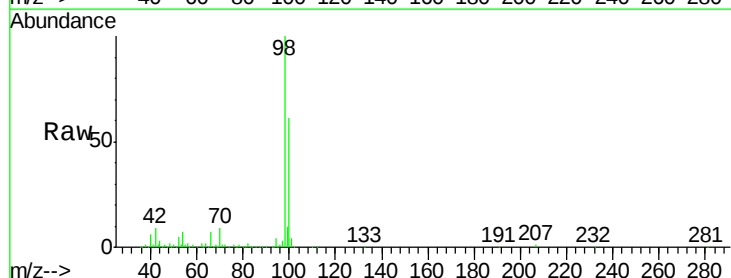
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

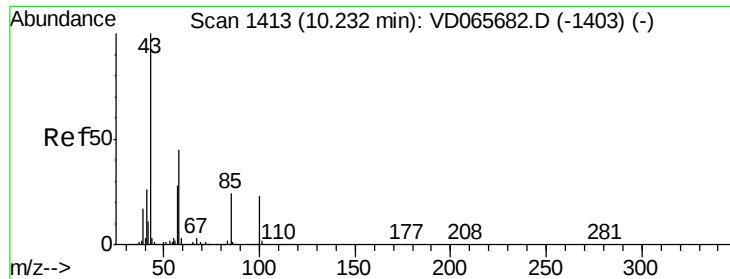
Tot Ion: 88 Resp: 6186
Ion Ratio Lower Upper
88 100
43 29.9 22.2 33.4
58 69.6 45.3 67.9#



#50
Toluene-d8
Concen: 10.051 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 98 Resp: 195430
Ion Ratio Lower Upper
98 100
100 61.5 51.9 77.9

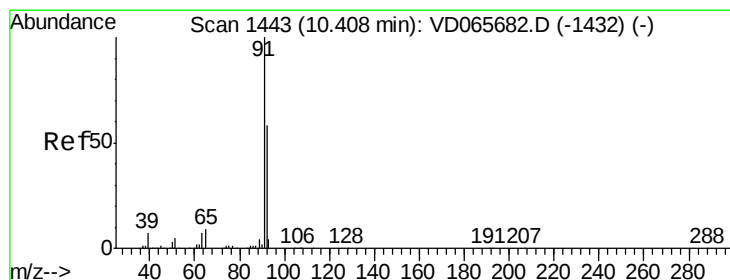
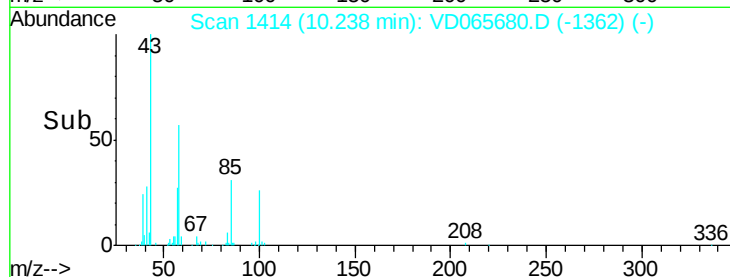
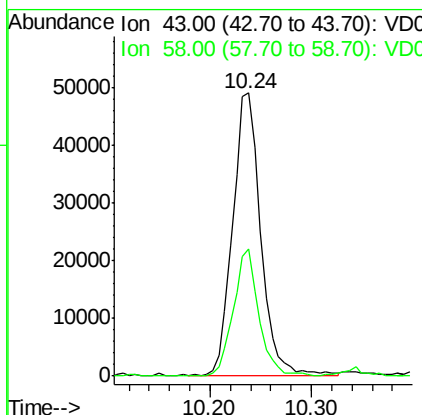
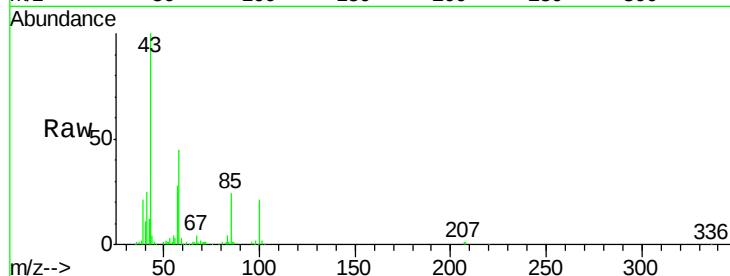




#51
 4-Methyl-2-Pentanone
 Concen: 50.754 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

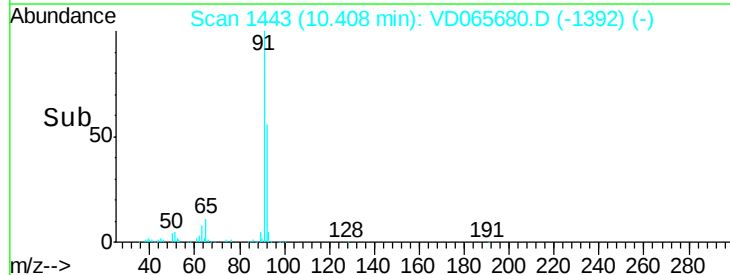
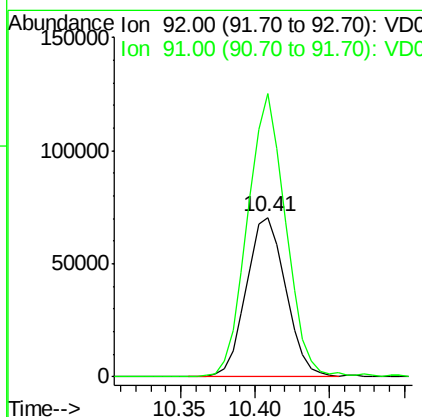
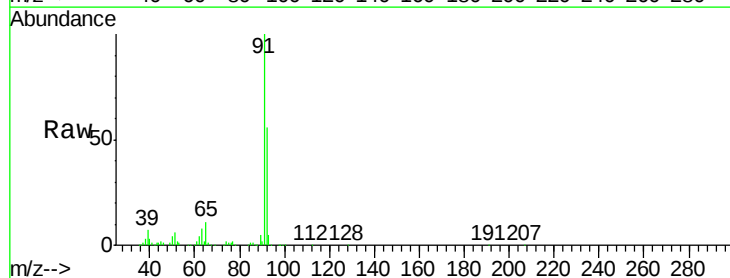
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

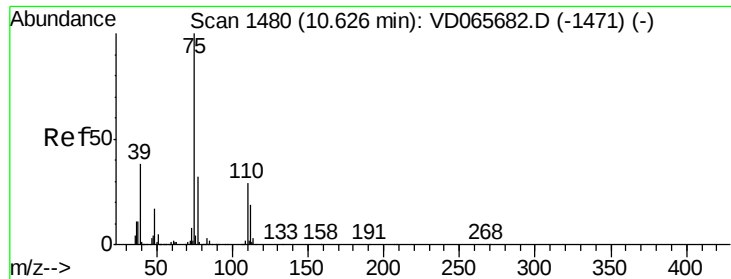
Tot Ion: 43 Resp: 95219
 Ion Ratio Lower Upper
 43 100
 58 40.3 36.0 54.0



#52
 Toluene
 Concen: 9.509 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion: 92 Resp: 128796
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 9.654 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

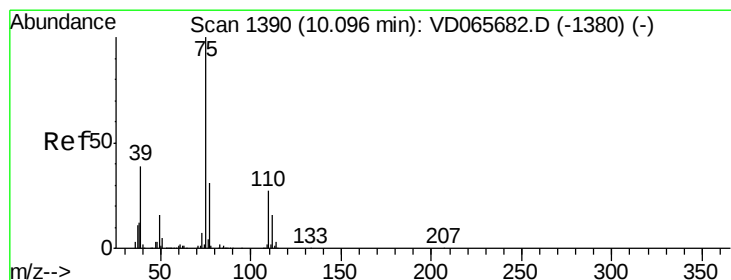
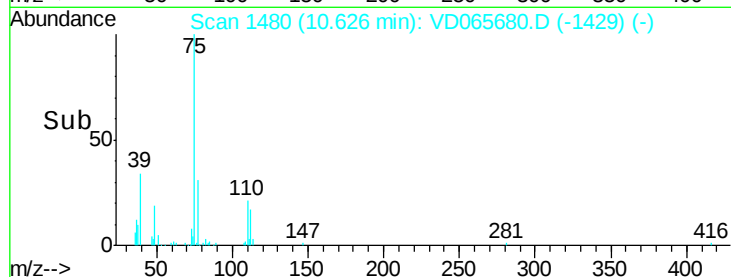
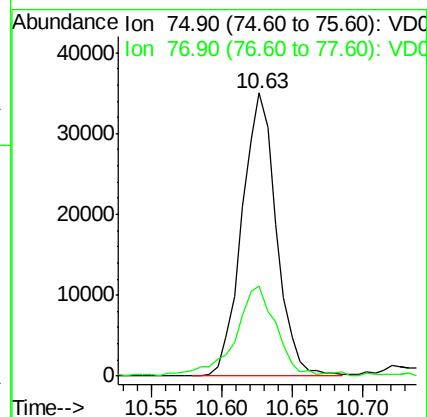
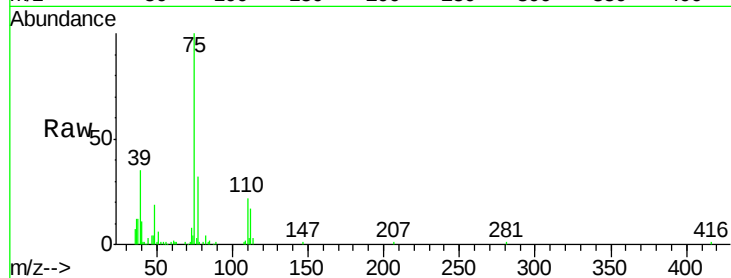
VSTDIC010

Tot Ion: 75 Resp: 59828

Ion Ratio Lower Upper

75 100

77 30.6 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 10.083 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

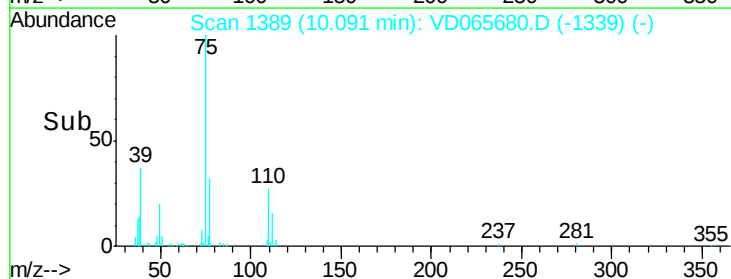
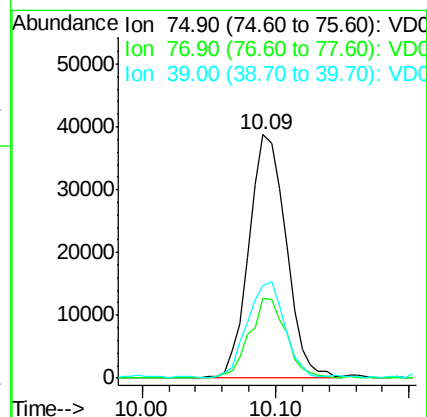
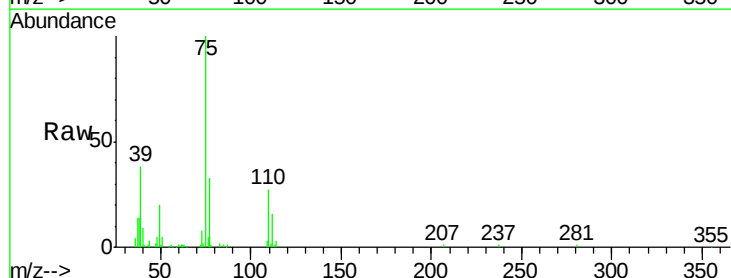
Tgt Ion: 75 Resp: 74707

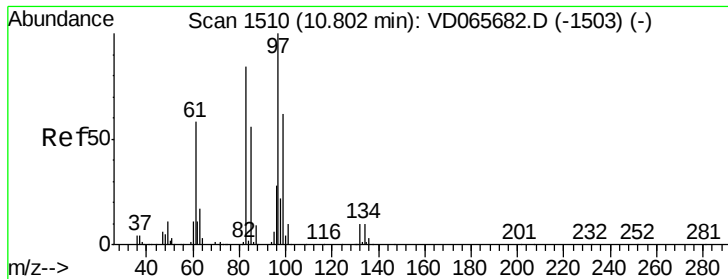
Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 37.8 31.2 46.8

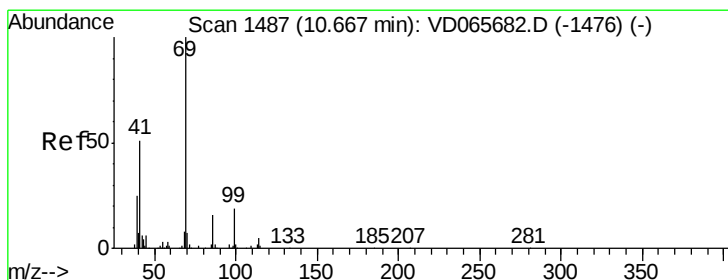
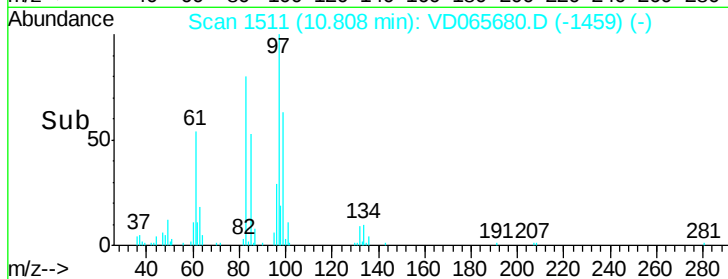
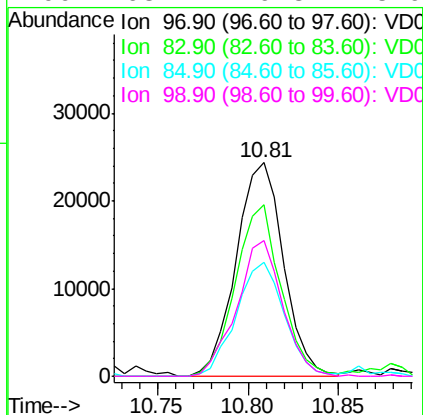
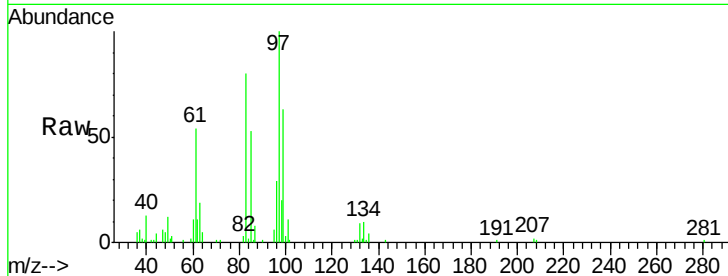




#55
 1,1,2-Trichloroethane
 Concen: 10.506 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

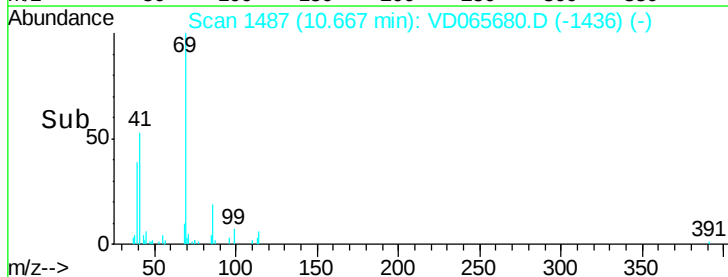
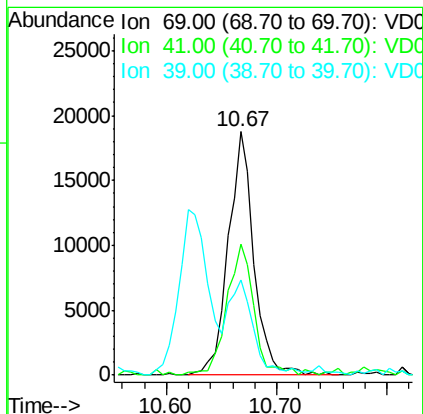
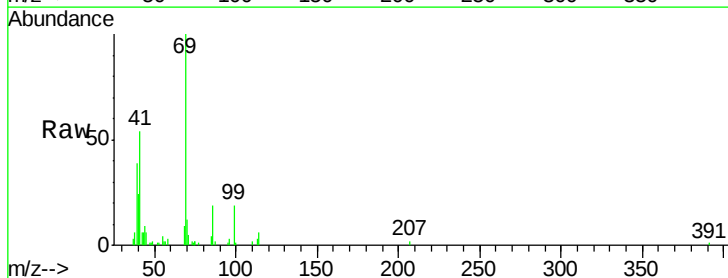
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

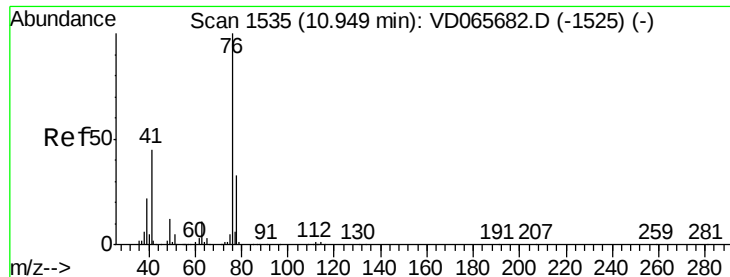
Tot Ion:	97	Resp:	44232
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.8	100.2
85	53.5	44.4	66.6
99	63.4	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 9.537 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion:	69	Resp:	30488
Ion	Ratio	Lower	Upper
69	100		
41	56.8	40.9	61.3
39	37.0	25.8	38.8





#57

1,3-Dichloropropane

Concen: 10.010 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

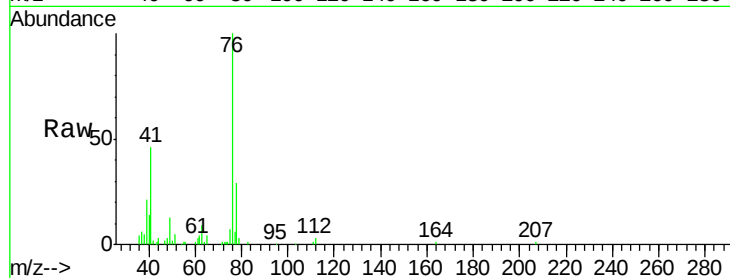
VSTDIC010

Tot Ion: 76 Resp: 63216

Ion Ratio Lower Upper

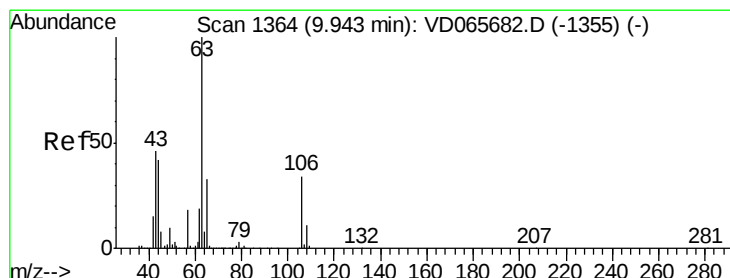
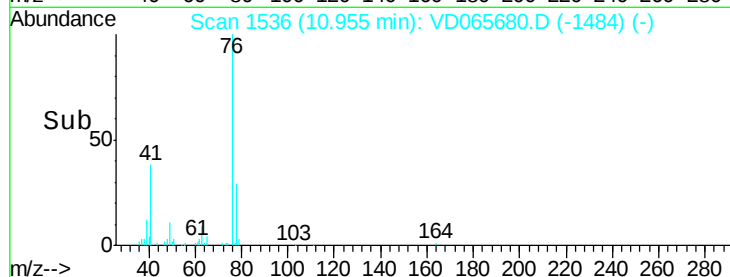
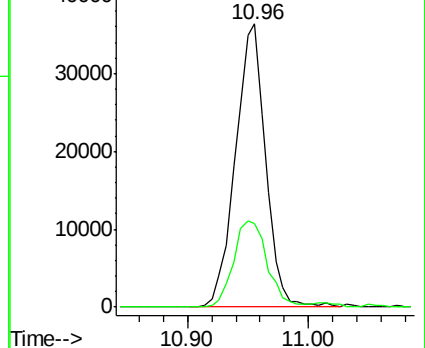
76 100

78 34.5 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 48.493 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065680.D

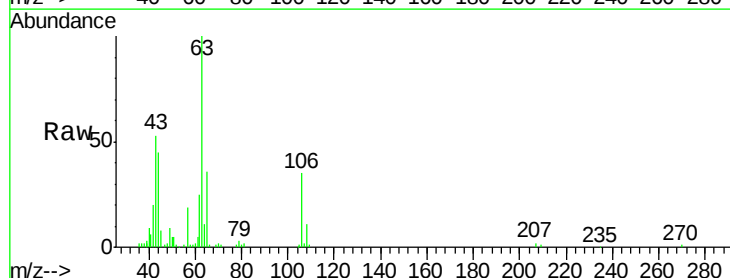
Acq: 29 Apr 2020 14:02

Tgt Ion: 63 Resp: 78414

Ion Ratio Lower Upper

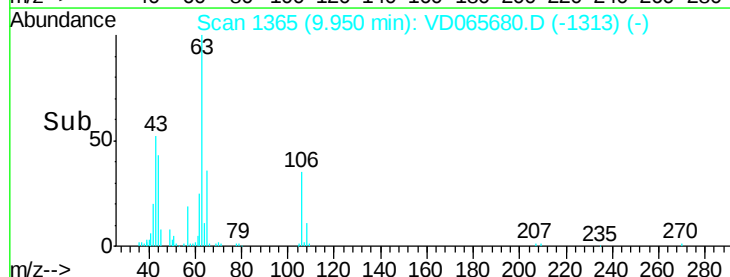
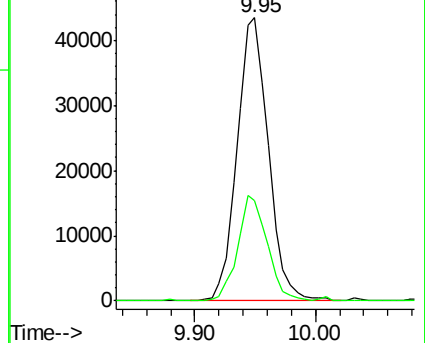
63 100

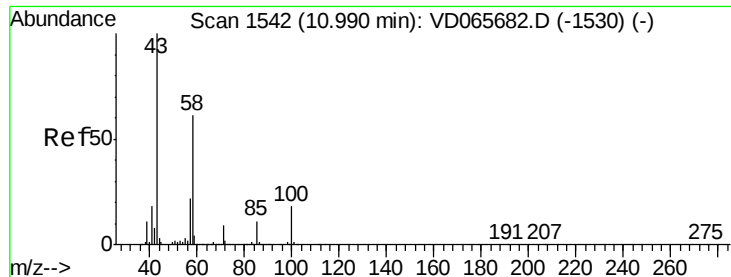
106 35.1 27.8 41.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

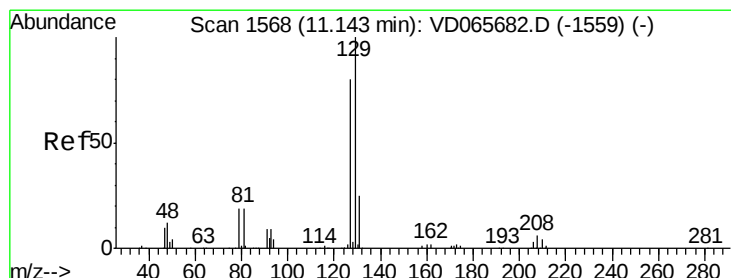
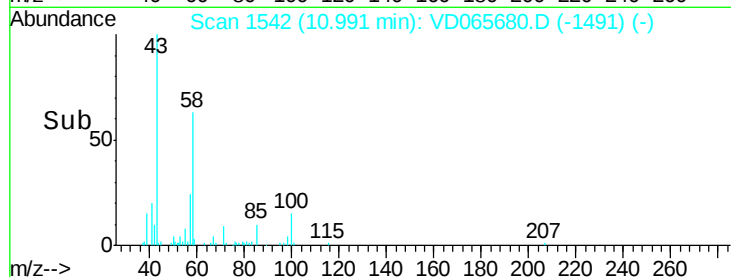
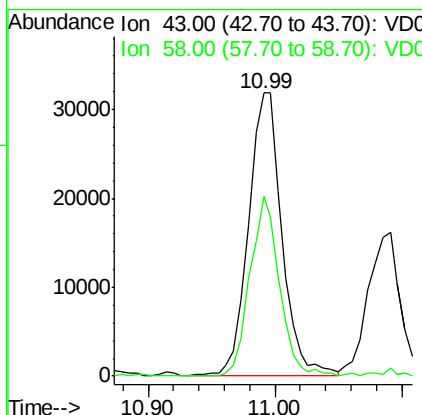
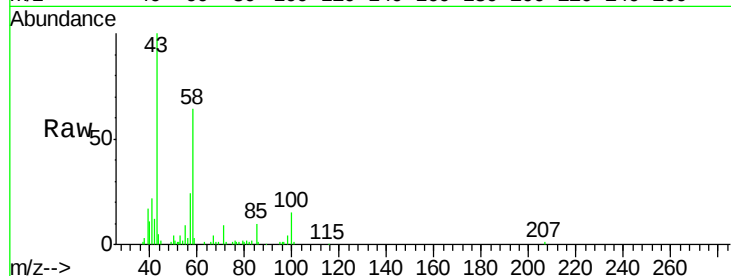




#59
2-Hexanone
Concen: 49.329 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

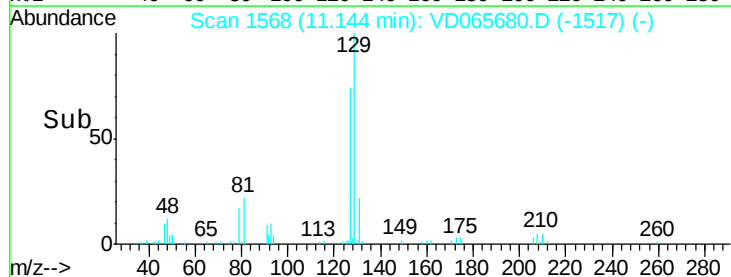
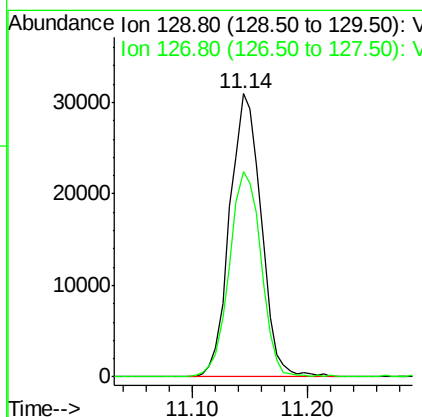
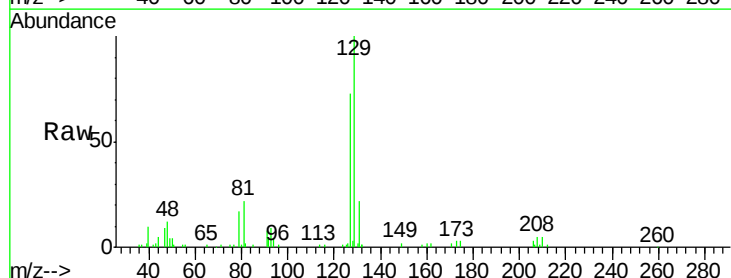
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

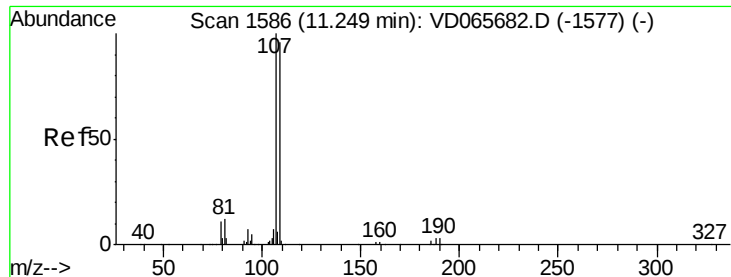
Tot Ion: 43 Resp: 58769
Ion Ratio Lower Upper
43 100
58 55.8 31.5 94.5



#60
Dibromochloromethane
Concen: 10.429 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion: 129 Resp: 58442
Ion Ratio Lower Upper
129 100
127 73.4 38.1 114.5





#61

1,2-Dibromoethane

Concen: 10.098 ug/l

RT: 11.26 min Scan# 1587

Delta R.T. 0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

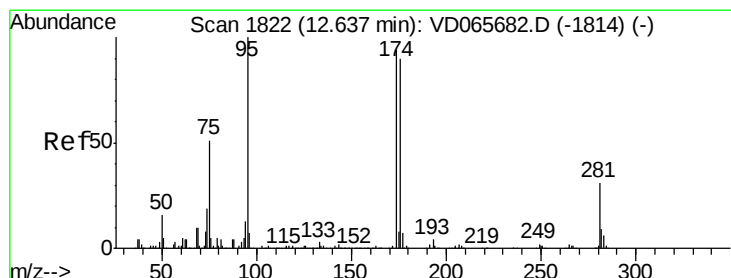
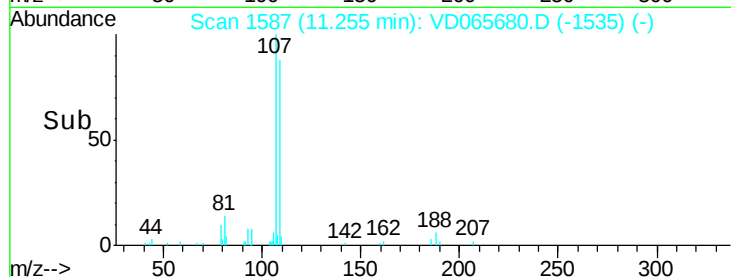
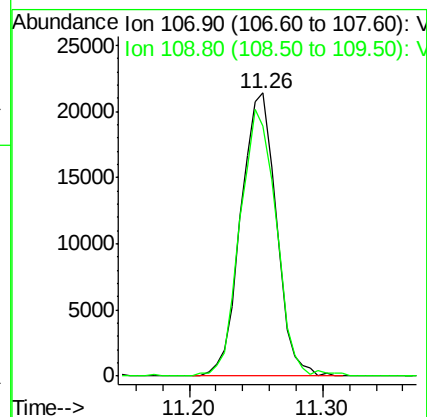
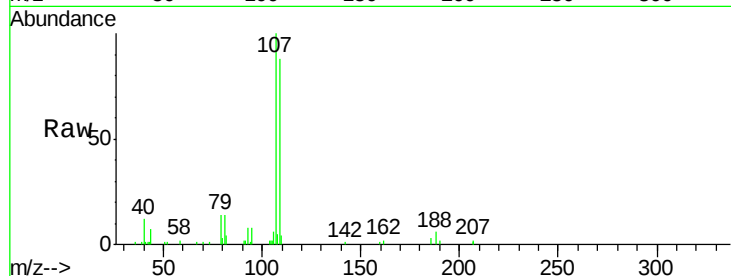
VSTDIC010

Tot Ion:107 Resp: 39162

Ion Ratio Lower Upper

107 100

109 96.6 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 9.626 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

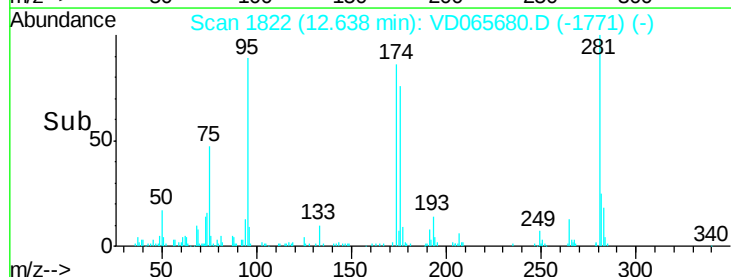
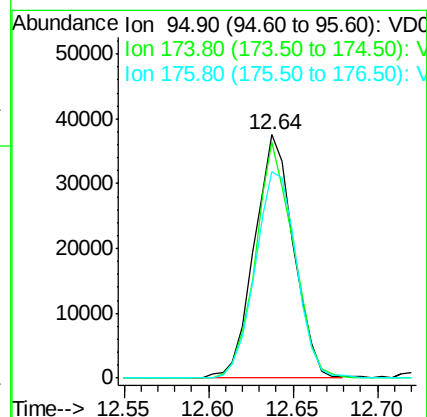
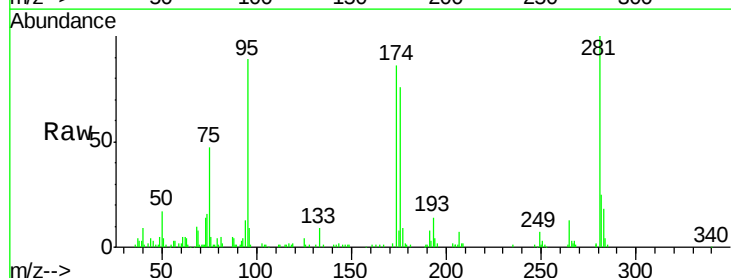
Tgt Ion: 95 Resp: 60523

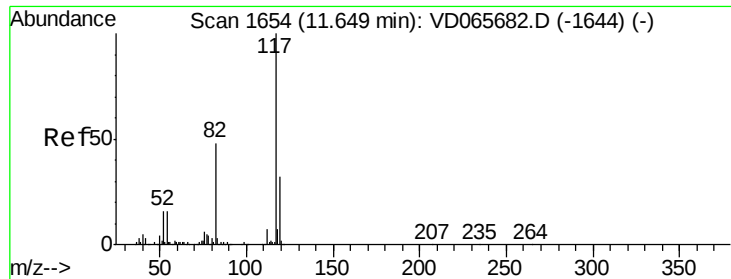
Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.6

176 89.1 0.0 181.4

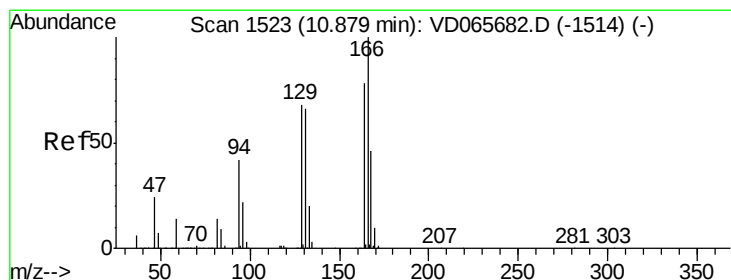
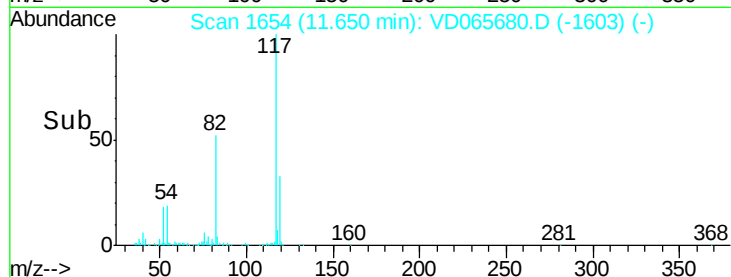
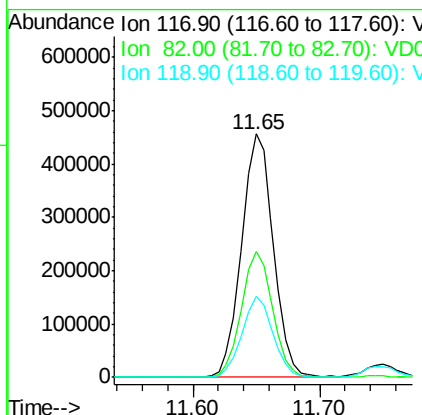
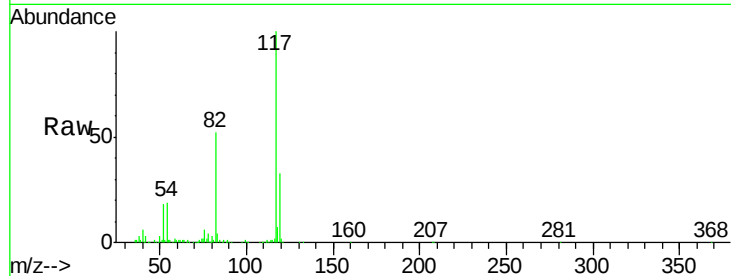




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

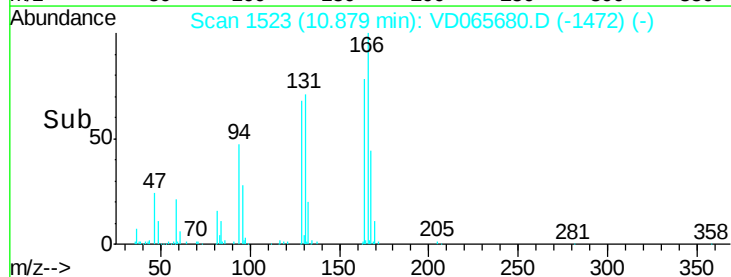
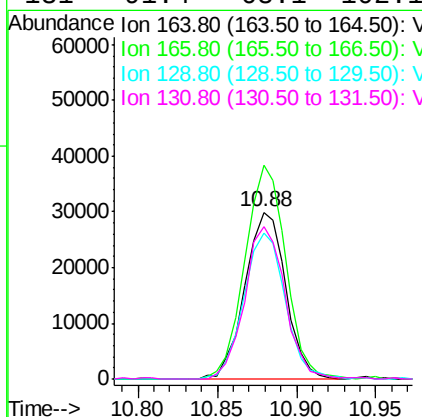
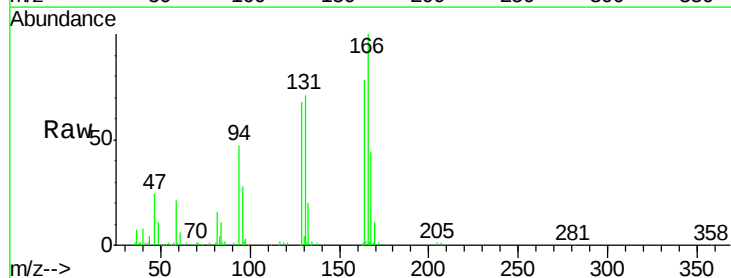
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

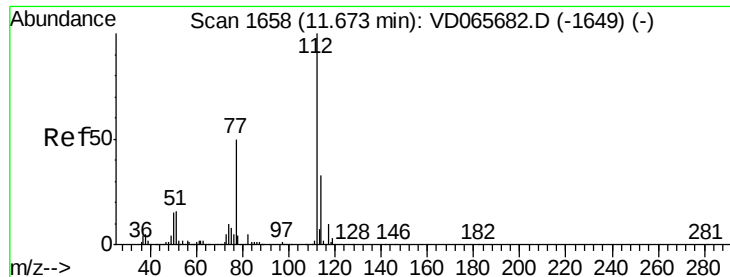
Tot Ion:117 Resp: 792876
Ion Ratio Lower Upper
117 100
82 51.7 38.6 58.0
119 33.4 25.6 38.4



#64
Tetrachloroethene
Concen: 9.768 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion:164 Resp: 53764
Ion Ratio Lower Upper
164 100
166 128.0 102.7 154.1
129 87.5 69.9 104.9
131 91.4 68.1 102.1





#65

Chlorobenzene

Concen: 9.862 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

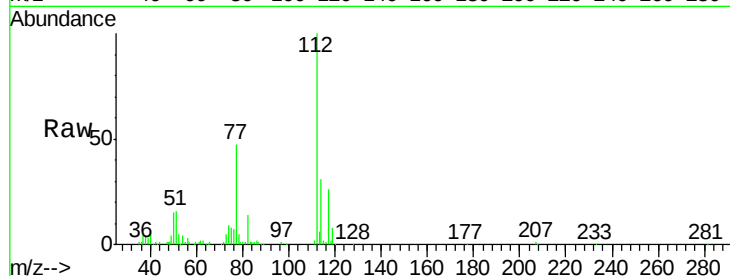
VSTDIC010

Tot Ion:112 Resp: 155459

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

100000

80000

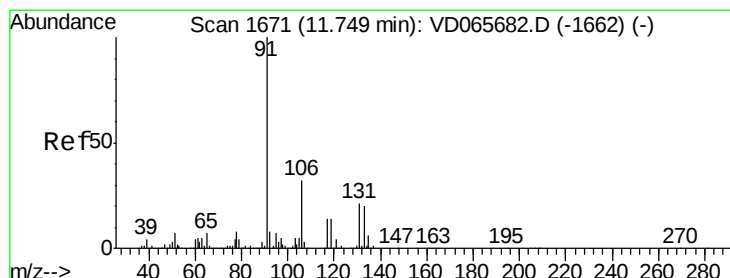
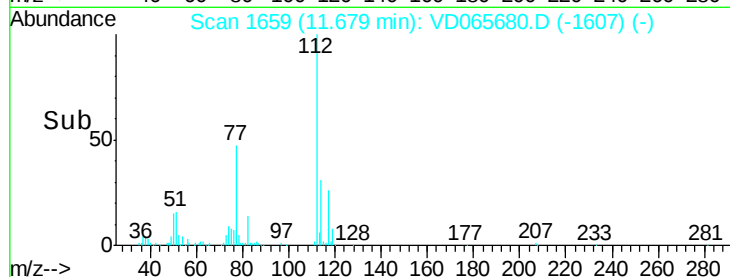
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 10.038 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

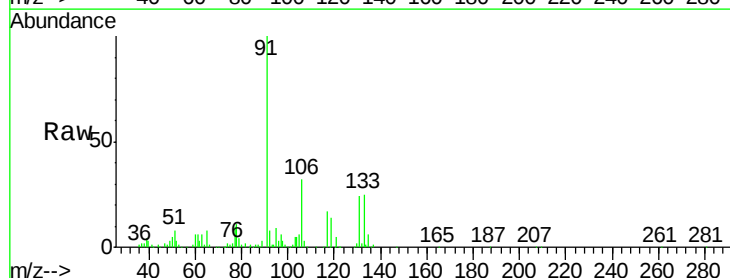
Tgt Ion:131 Resp: 59742

Ion Ratio Lower Upper

131 100

133 101.5 47.9 143.8

119 64.8 32.1 96.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

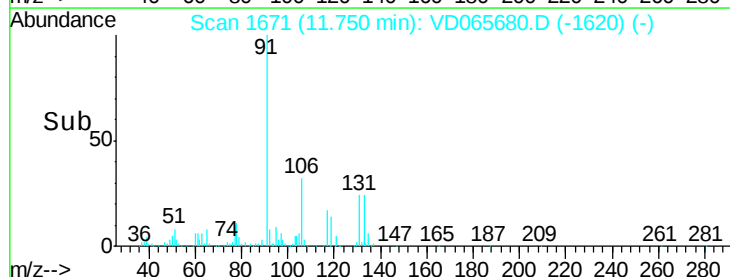
150000

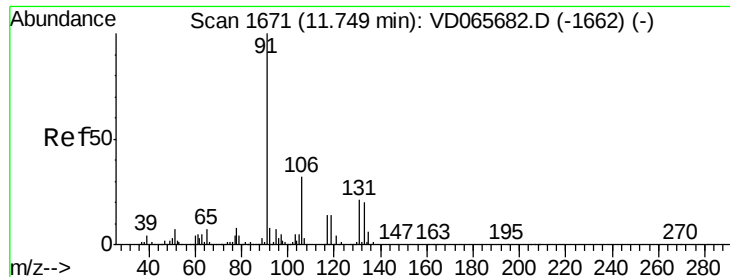
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 9.325 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

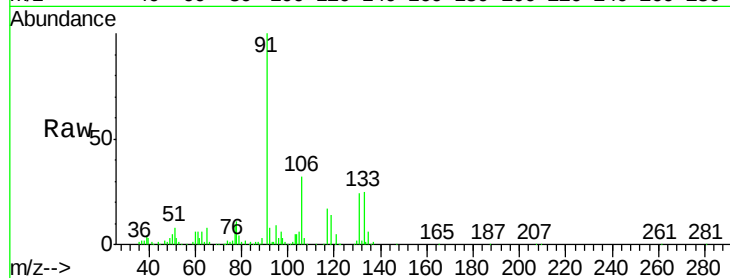
VSTDIC010

Tot Ion: 91 Resp: 228433

Ion Ratio Lower Upper

91 100

106 32.4 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

200000

150000

100000

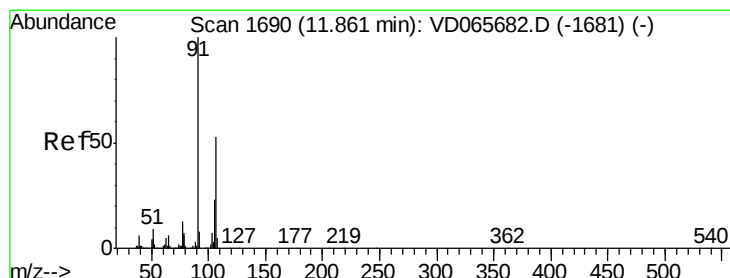
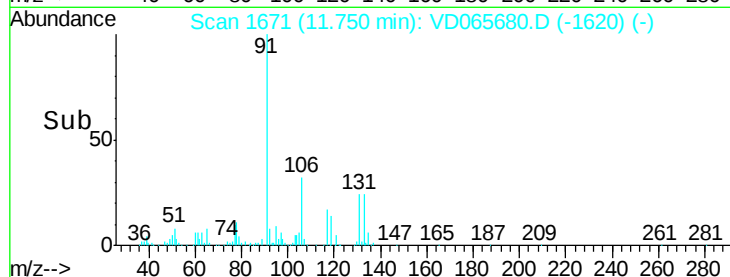
50000

0

11.75

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 18.913 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065680.D

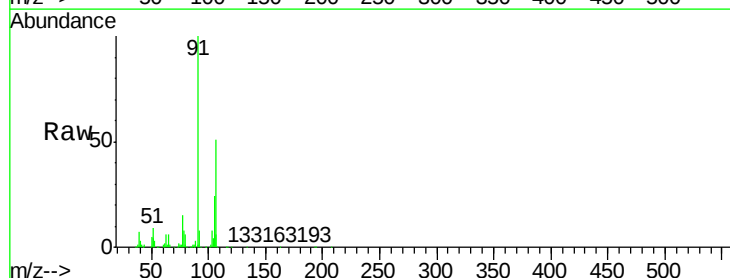
Acq: 29 Apr 2020 14:02

Tgt Ion: 106 Resp: 185271

Ion Ratio Lower Upper

106 100

91 188.6 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

100000

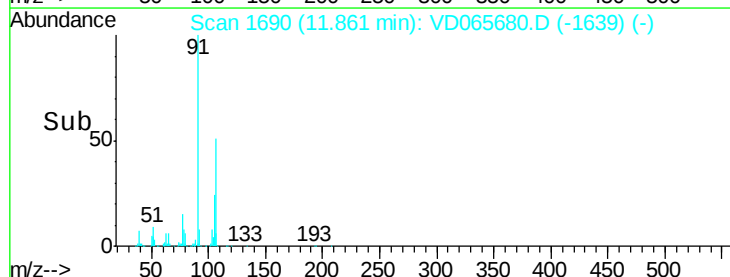
50000

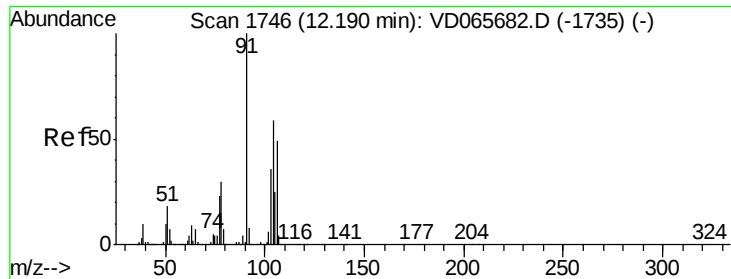
0

11.86

11.80 11.85 11.90

Time-->

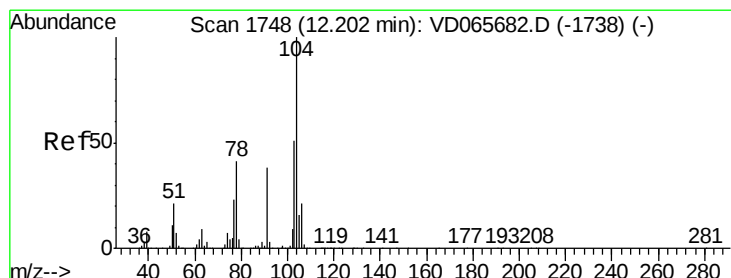
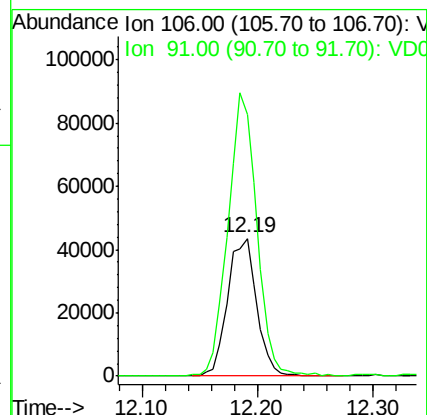
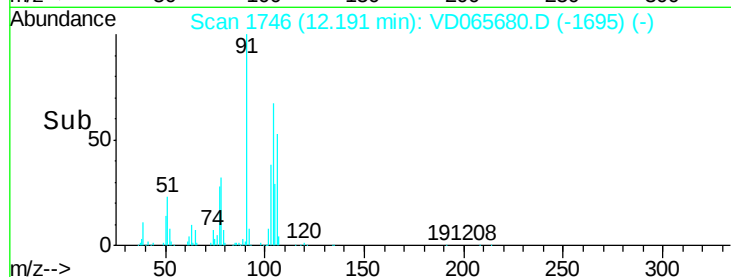
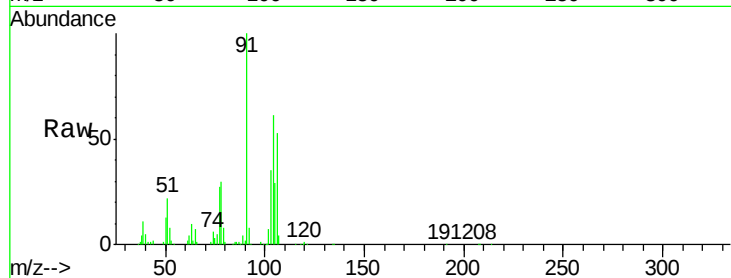




#69
o-Xylene
Concen: 9.230 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

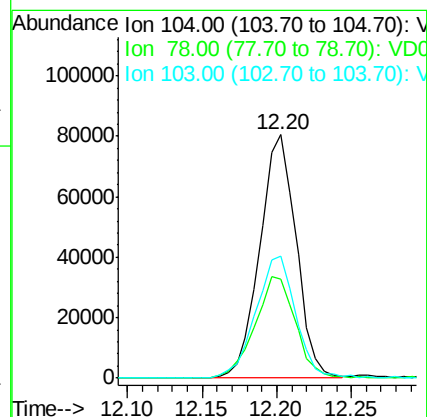
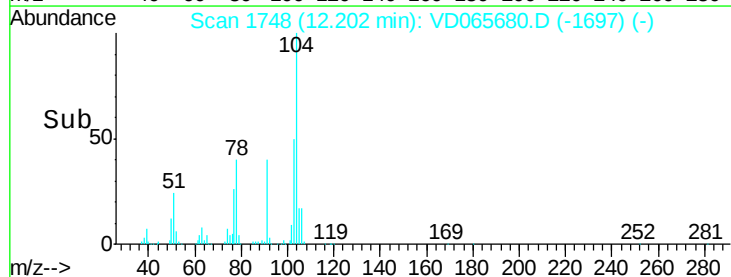
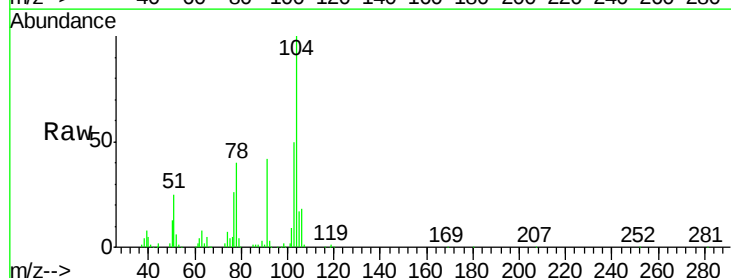
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

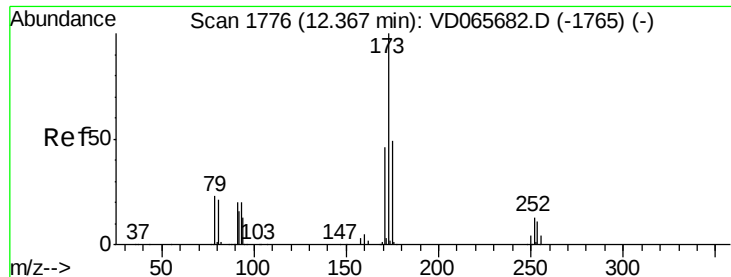
Tot Ion:106 Resp: 76135
Ion Ratio Lower Upper
106 100
91 204.1 102.4 307.2



#70
Styrene
Concen: 9.243 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion:104 Resp: 135805
Ion Ratio Lower Upper
104 100
78 46.8 36.5 54.7
103 55.3 43.8 65.8

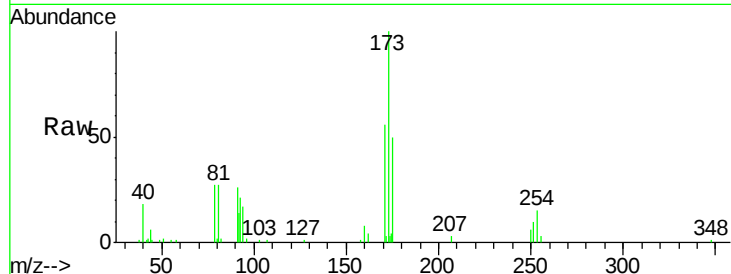




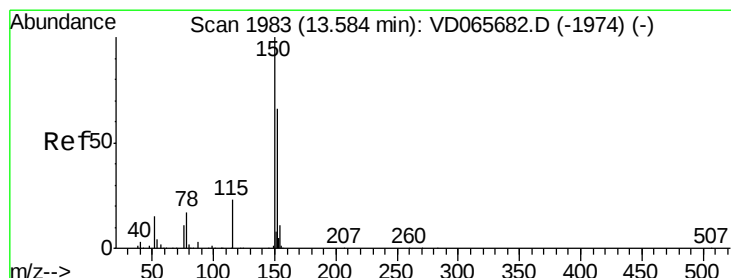
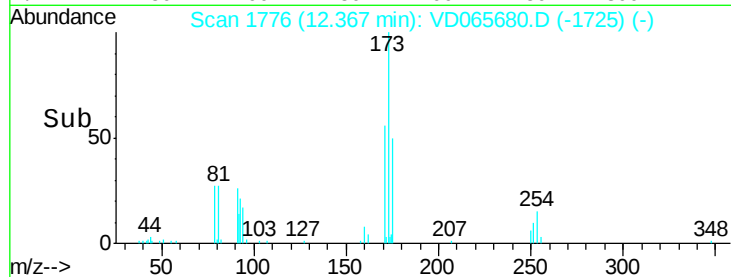
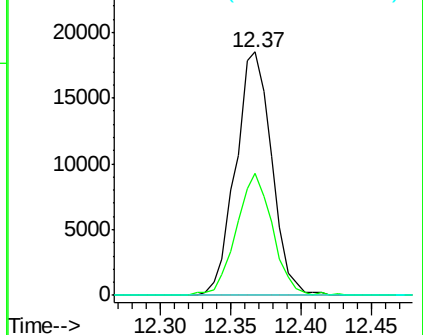
#71
Bromoform
Concen: 9.952 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 33077
Ion Ratio Lower Upper
173 100
175 50.2 24.6 74.0
254 0.0 0.1 0.1#

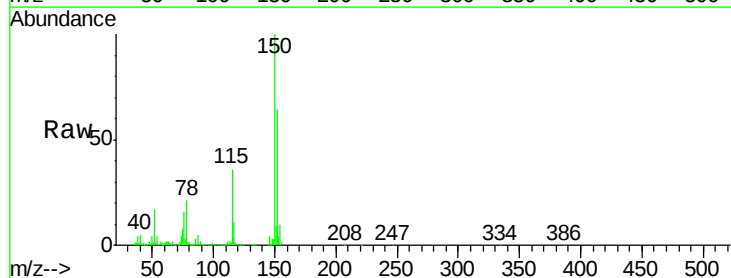


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

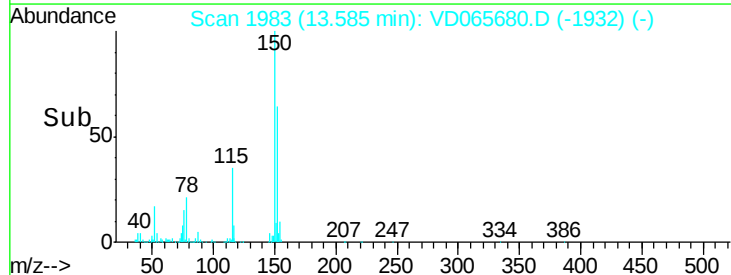
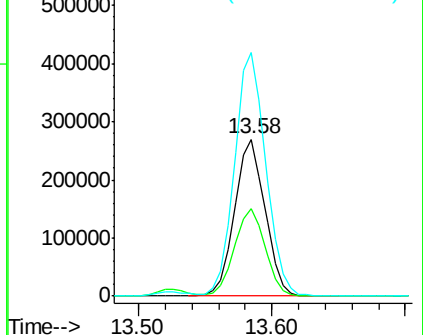


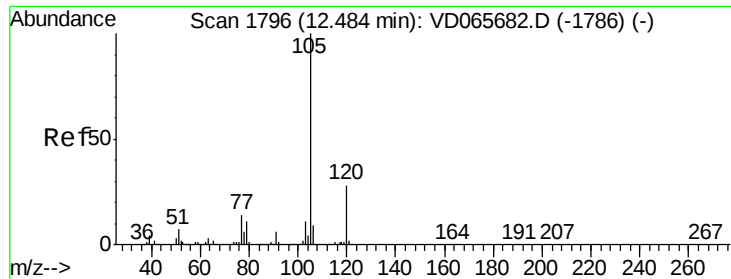
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065680.D
Acq: 29 Apr 2020 14:02

Tgt Ion:152 Resp: 425722
Ion Ratio Lower Upper
152 100
115 56.4 27.5 82.4
150 159.6 0.0 347.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.328 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

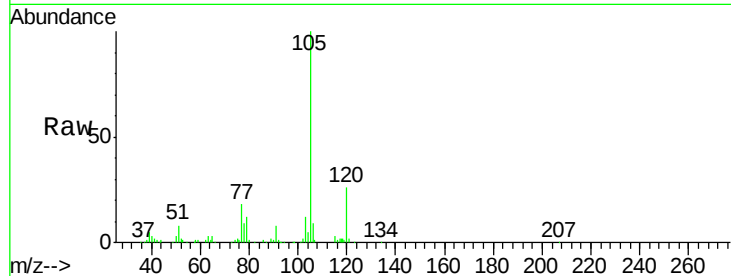
VSTDIC010

Tot Ion:105 Resp: 206732

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

100000

50000

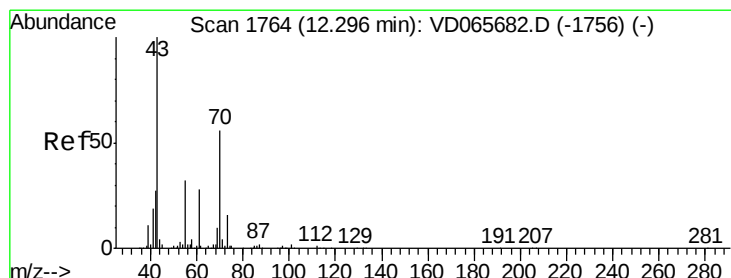
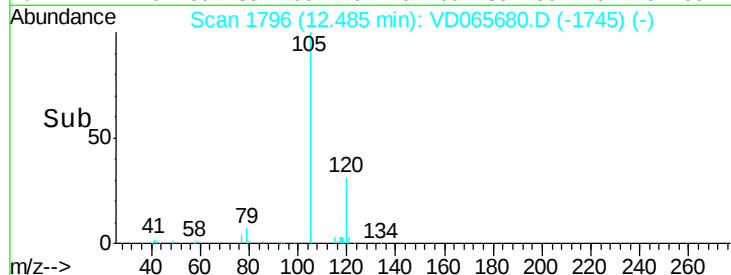
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 10.151 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Tgt Ion: 43 Resp: 31086

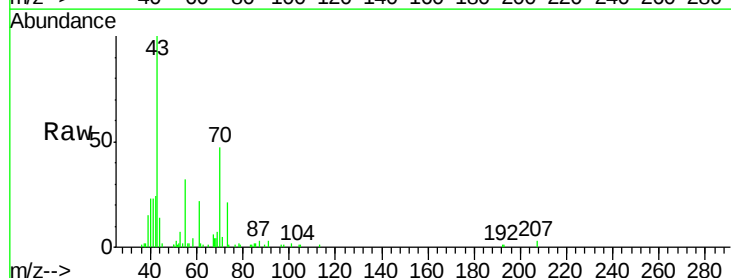
Ion Ratio Lower Upper

43 100

70 50.1 45.5 68.3

55 33.5 26.6 40.0

61 25.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

15000

10000

5000

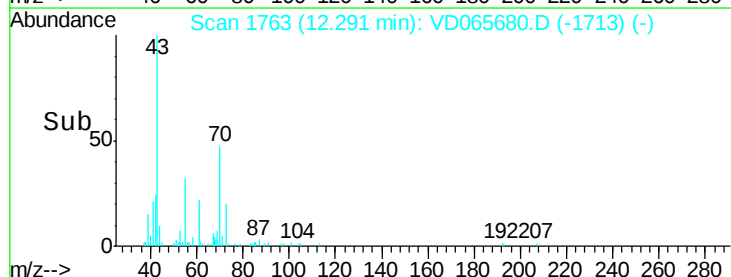
0

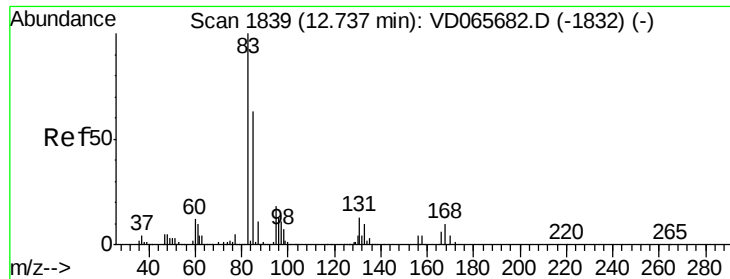
12.20

12.29

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.212 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

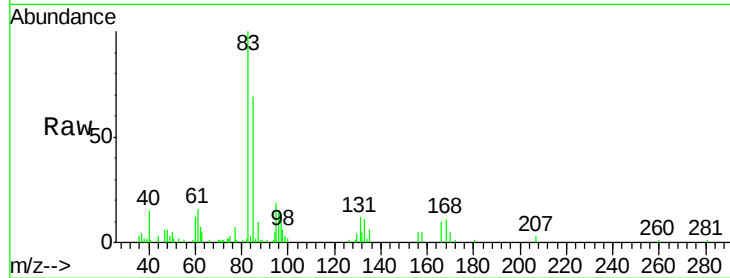
Tot Ion: 83 Resp: 45129

Ion Ratio Lower Upper

83 100

131 13.5 5.9 17.6

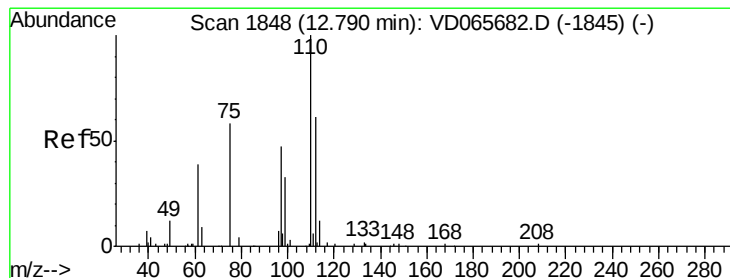
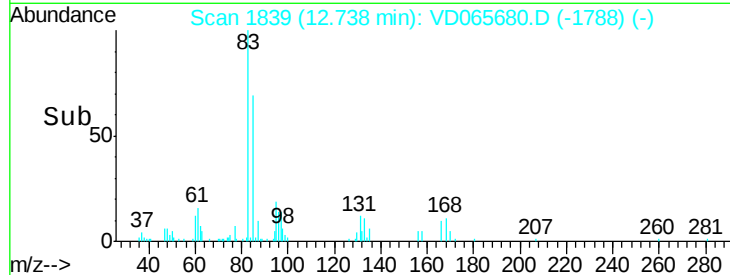
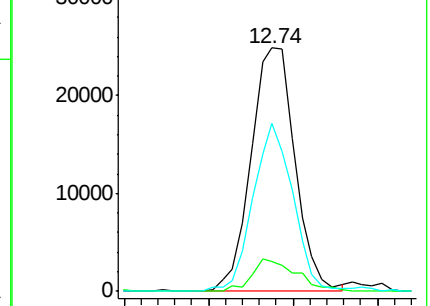
85 62.4 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 7.030 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065680.D

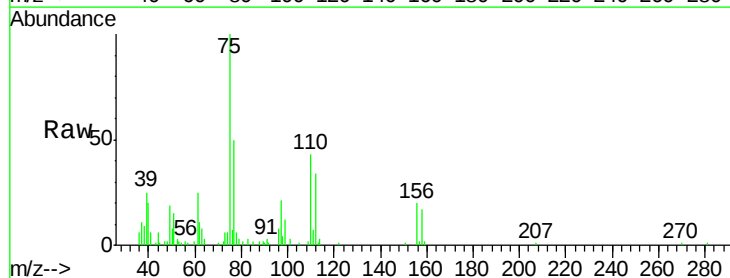
Acq: 29 Apr 2020 14:02

Tgt Ion: 75 Resp: 33788

Ion Ratio Lower Upper

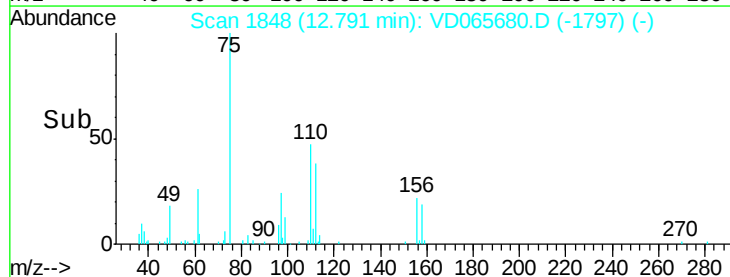
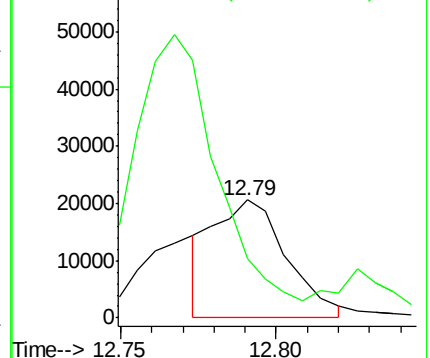
75 100

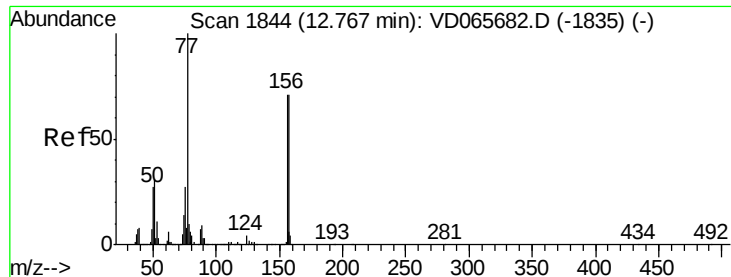
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 10.135 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

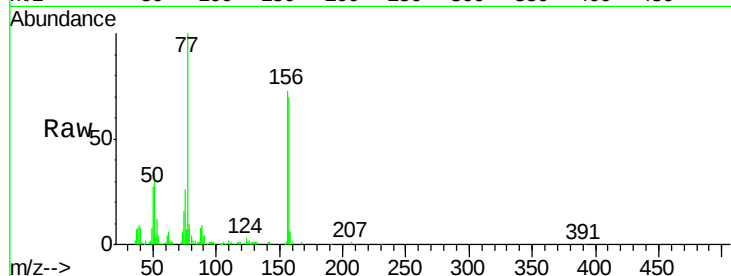
Tot Ion:156 Resp: 63007

Ion Ratio Lower Upper

156 100

77 150.8 75.3 225.9

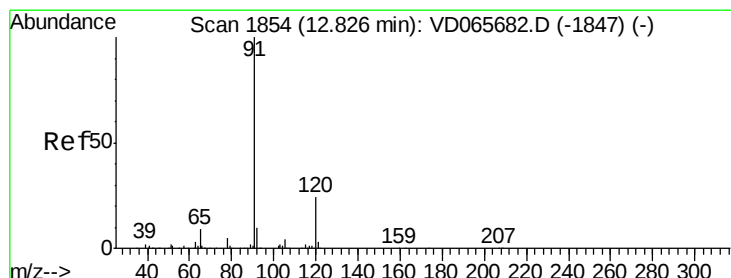
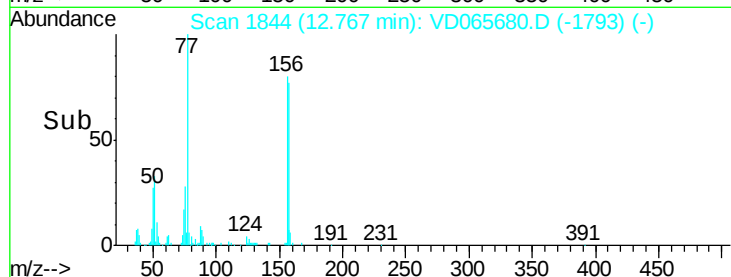
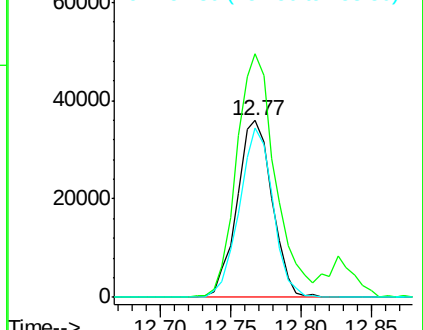
158 91.2 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 9.302 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065680.D

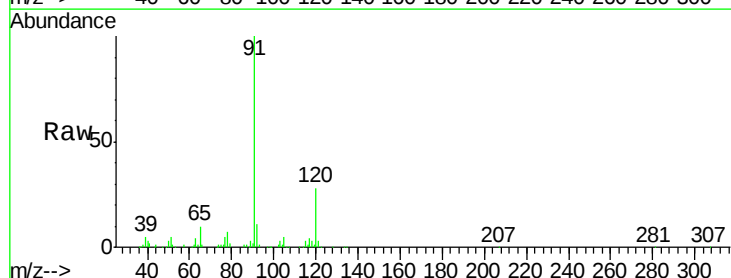
Acq: 29 Apr 2020 14:02

Tgt Ion: 91 Resp: 254929

Ion Ratio Lower Upper

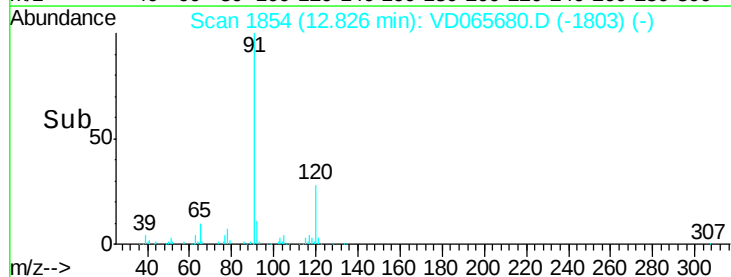
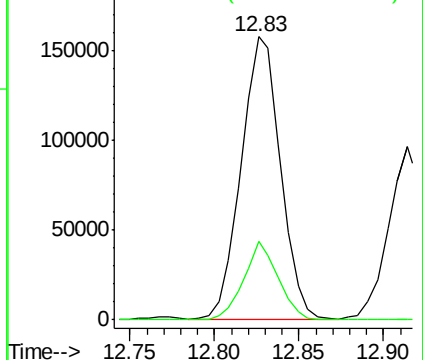
91 100

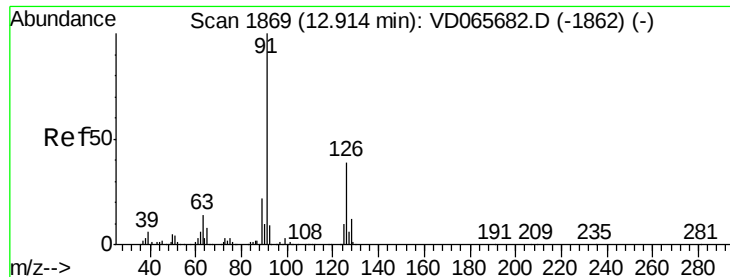
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.723 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

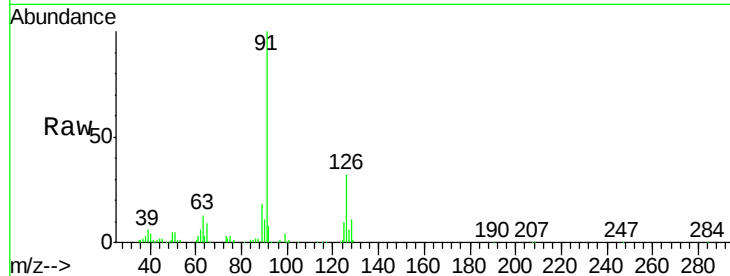
VSTDIC010

Tot Ion: 91 Resp: 150884

Ion Ratio Lower Upper

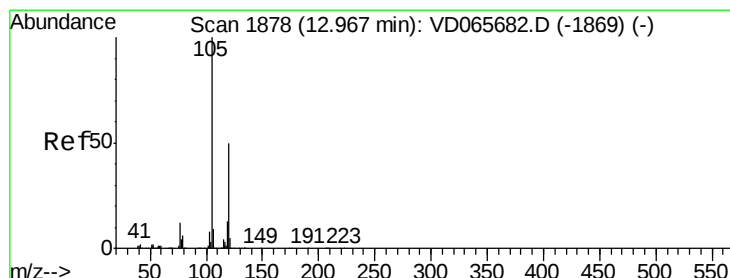
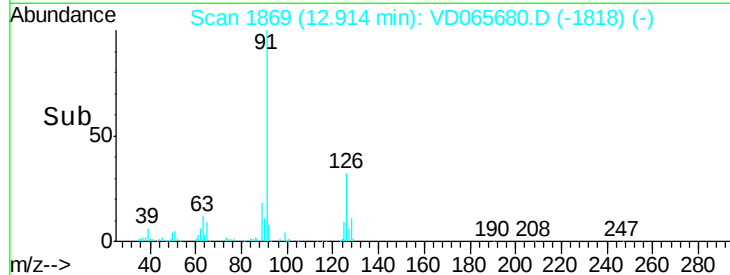
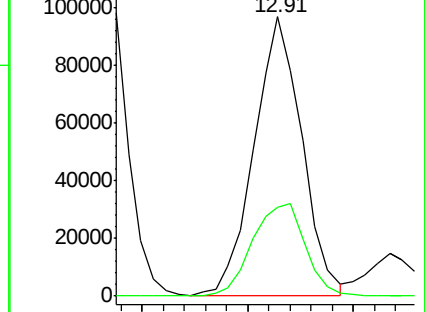
91 100

126 36.8 19.3 57.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.367 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065680.D

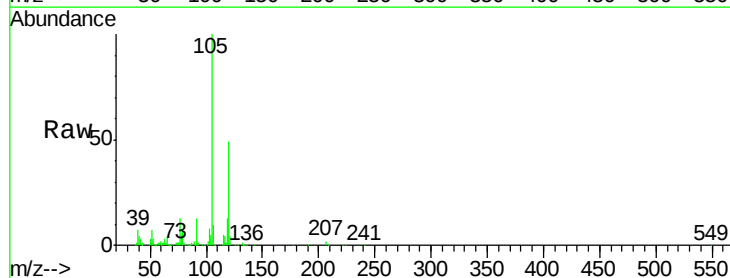
Acq: 29 Apr 2020 14:02

Tgt Ion: 105 Resp: 180892

Ion Ratio Lower Upper

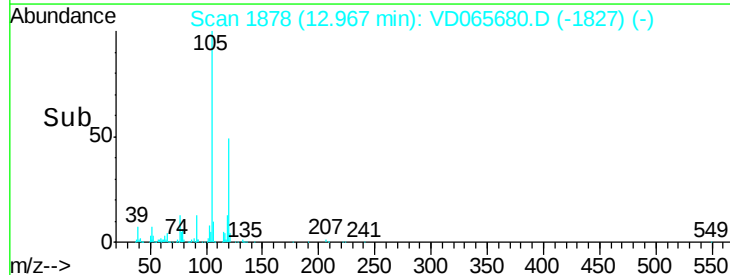
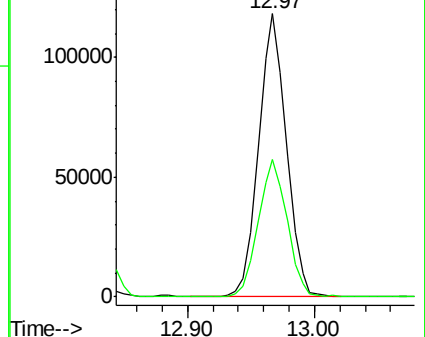
105 100

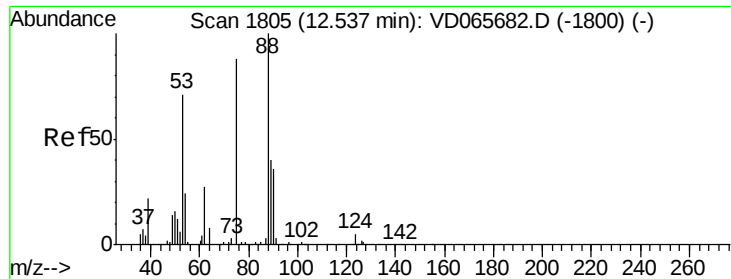
120 50.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.070 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

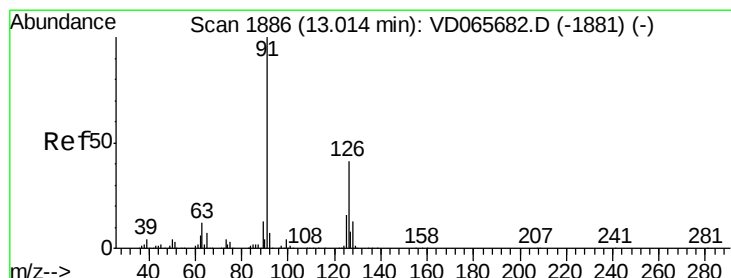
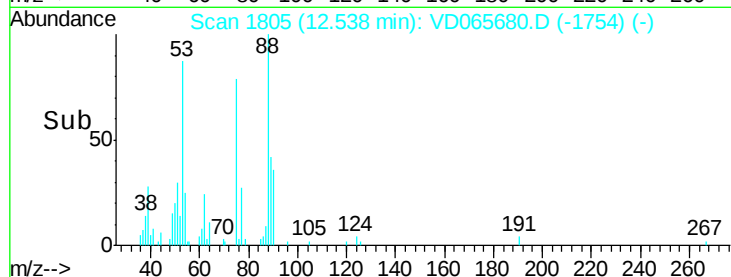
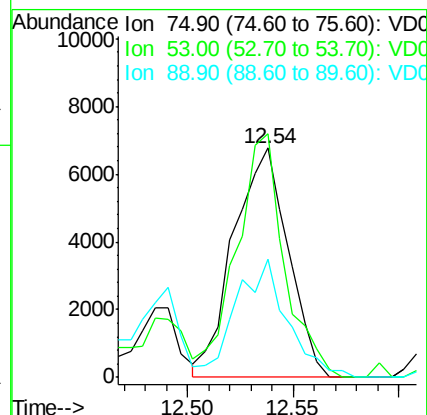
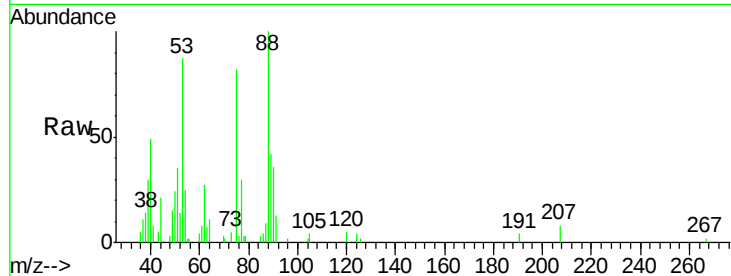
Tot Ion: 75 Resp: 12105

Ion Ratio Lower Upper

75 100

53 93.8 70.5 105.7

89 47.4 39.0 58.6



#82

4-Chlorotoluene

Concen: 9.656 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065680.D

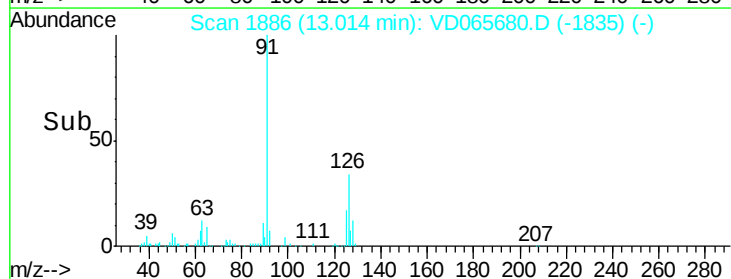
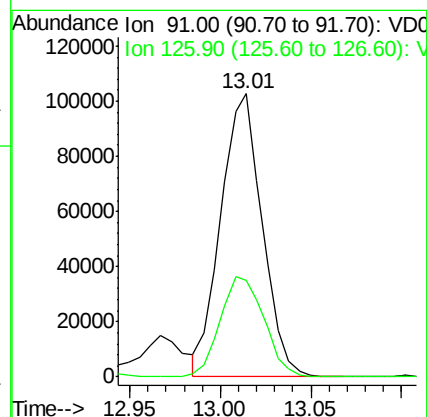
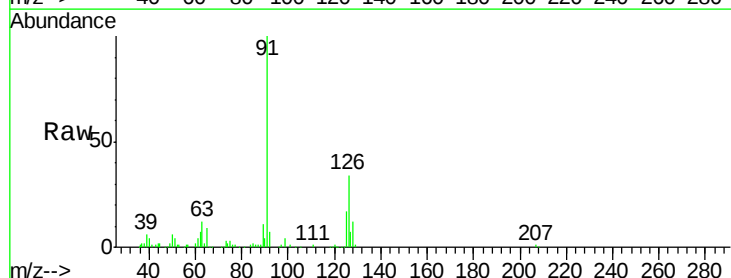
Acq: 29 Apr 2020 14:02

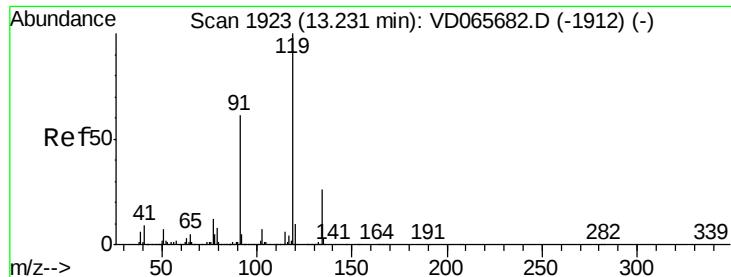
Tgt Ion: 91 Resp: 162209

Ion Ratio Lower Upper

91 100

126 37.7 19.3 57.9





#83

tert-Butylbenzene

Concen: 9.063 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

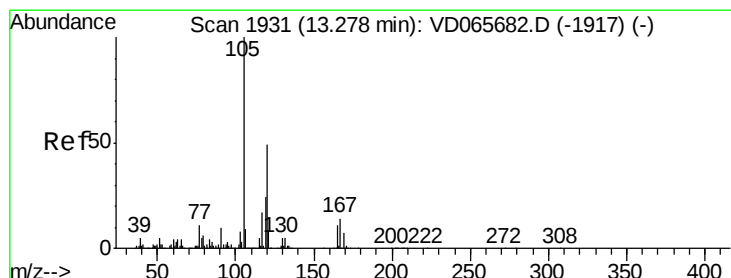
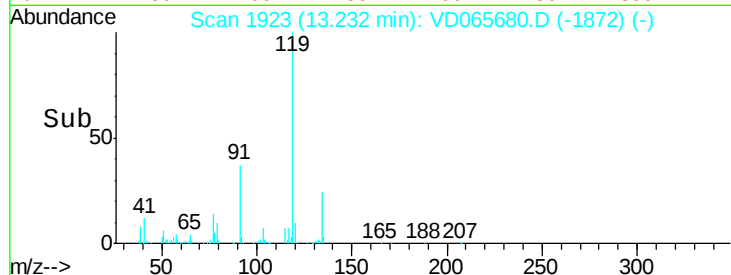
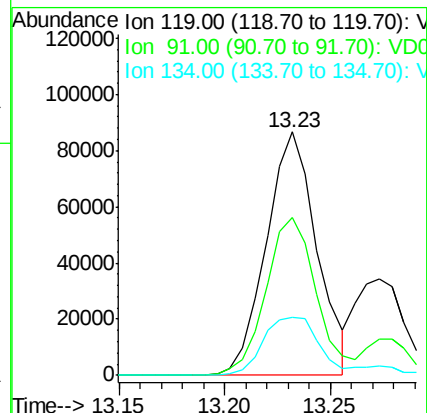
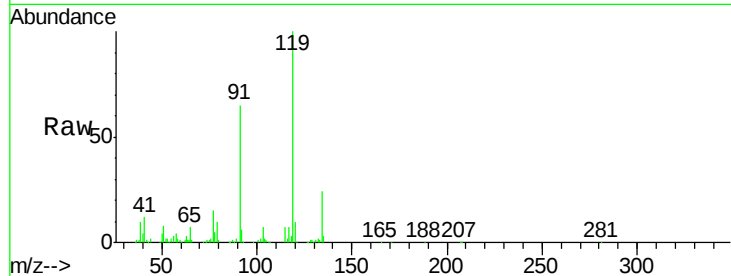
Tot Ion:119 Resp: 144493

Ion Ratio Lower Upper

119 100

91 65.1 30.6 91.8

134 27.6 14.3 42.9



#84

1,2,4-Trimethylbenzene

Concen: 9.335 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065680.D

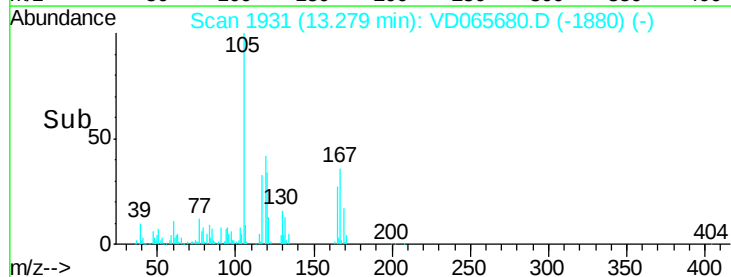
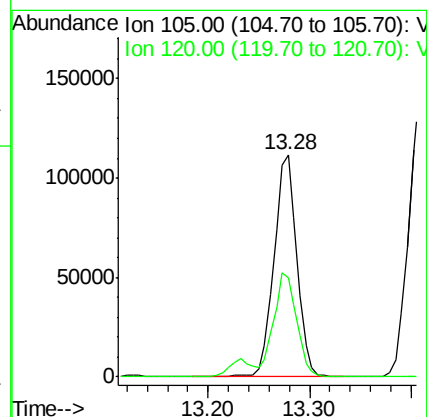
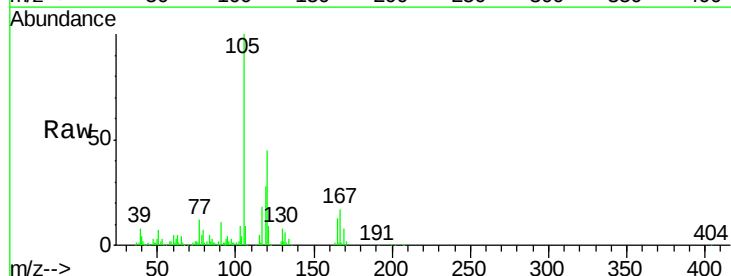
Acq: 29 Apr 2020 14:02

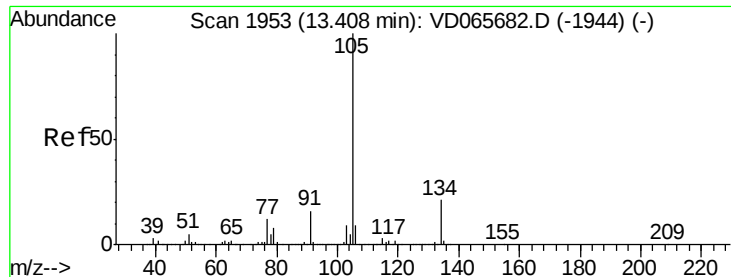
Tgt Ion:105 Resp: 178156

Ion Ratio Lower Upper

105 100

120 46.7 24.0 72.0





#85

sec-Butylbenzene

Concen: 9.577 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

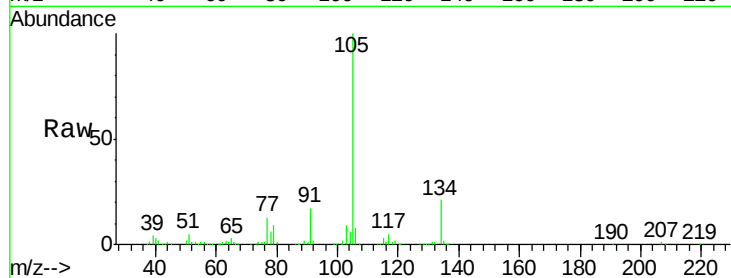
VSTDIC010

Tot Ion:105 Resp: 222460

Ion Ratio Lower Upper

105 100

134 20.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

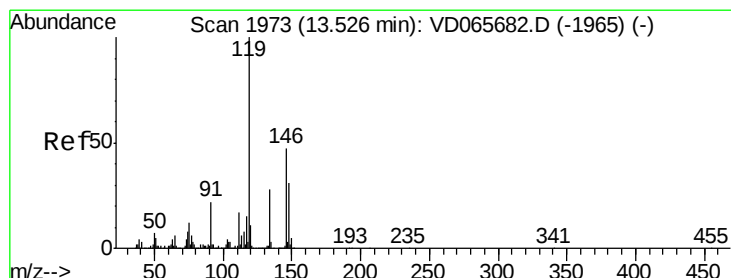
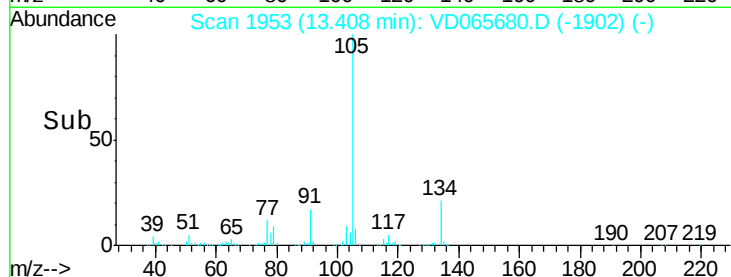
150000

100000

50000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 9.207 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

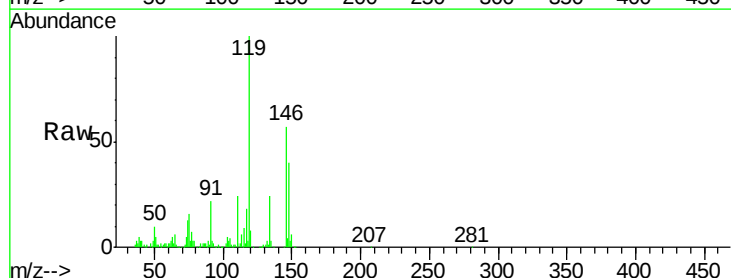
Tgt Ion:119 Resp: 197240

Ion Ratio Lower Upper

119 100

134 25.3 13.8 41.3

91 23.1 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

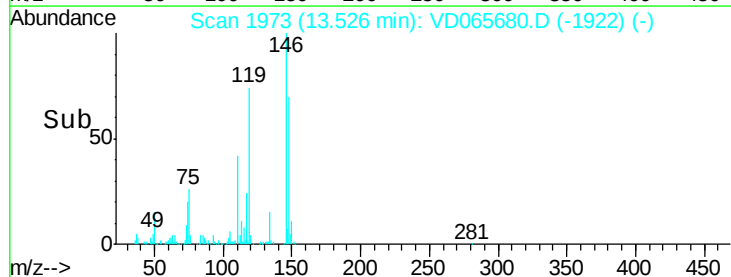
150000

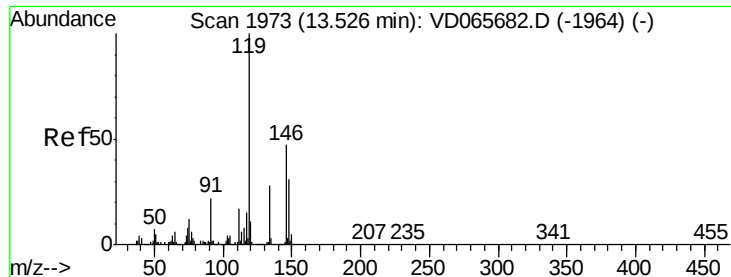
100000

50000

0

Time--> 13.45 13.50 13.55 13.60

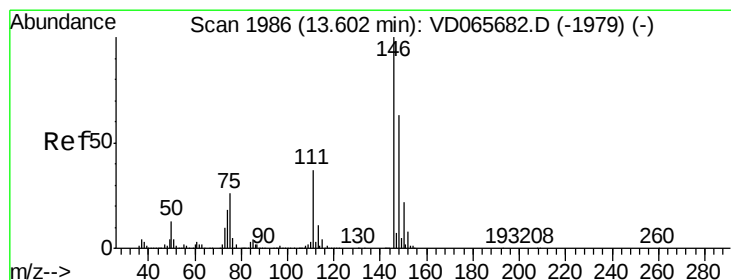
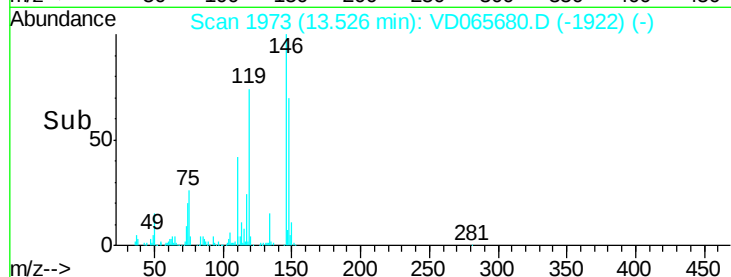
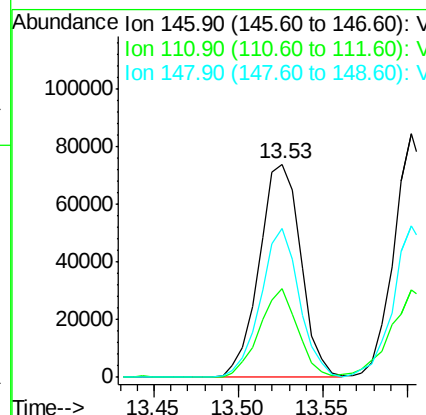
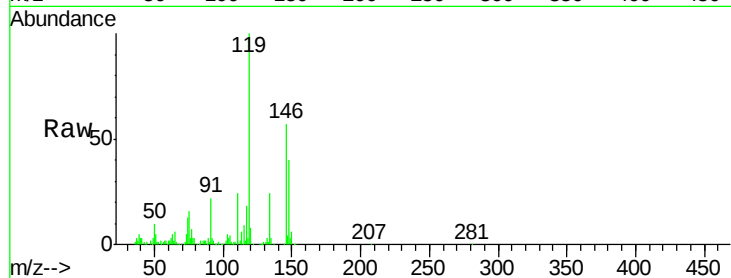




#87
 1,3-Dichlorobenzene
 Concen: 9.953 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

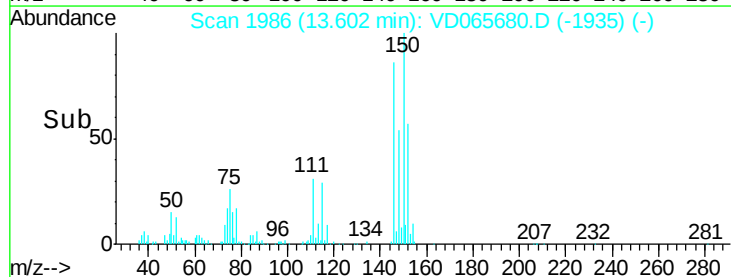
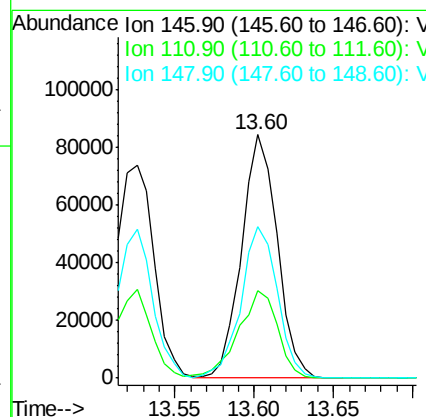
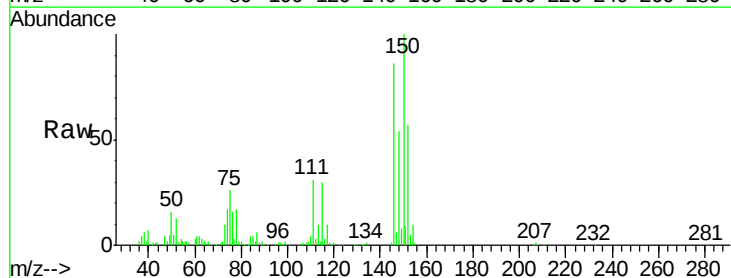
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

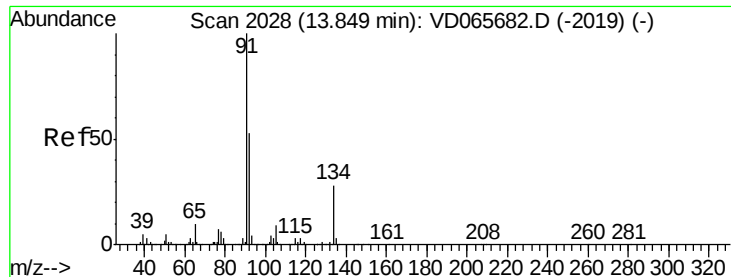
Tot Ion:146 Resp: 126565
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 64.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 9.986 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion:146 Resp: 131819
 Ion Ratio Lower Upper
 146 100
 111 39.7 18.5 55.5
 148 63.8 31.9 95.7





#89

n-Butylbenzene

Concen: 9.292 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

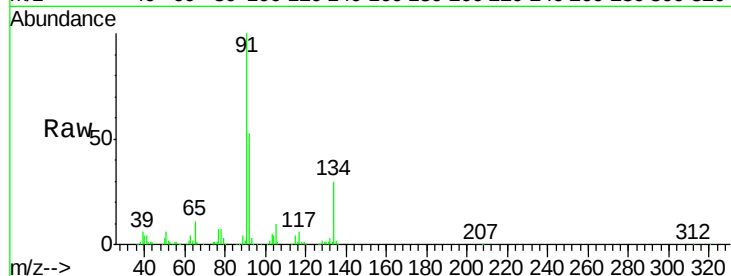
Tot Ion: 91 Resp: 179788

Ion Ratio Lower Upper

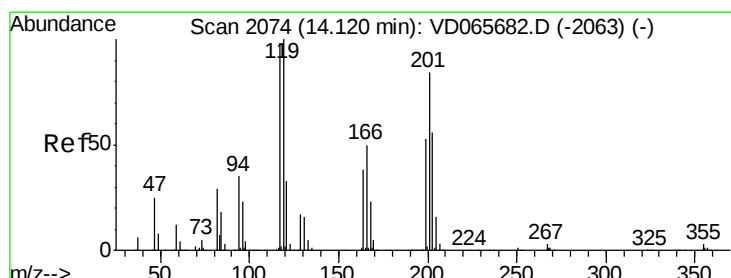
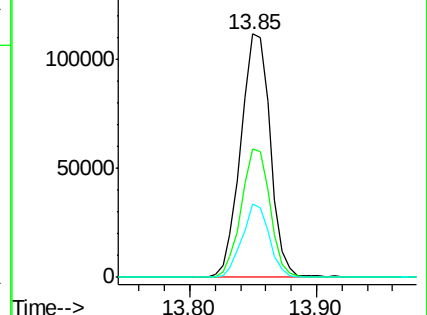
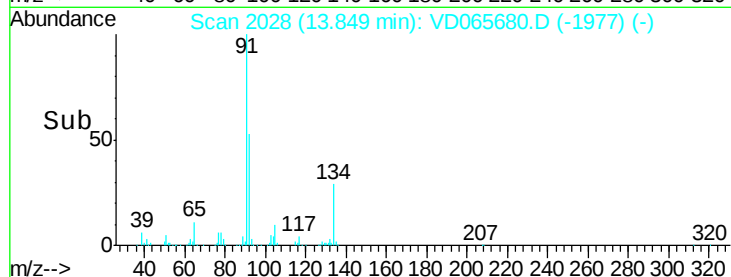
91 100

92 51.4 26.8 80.3

134 27.6 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 10.038 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065680.D

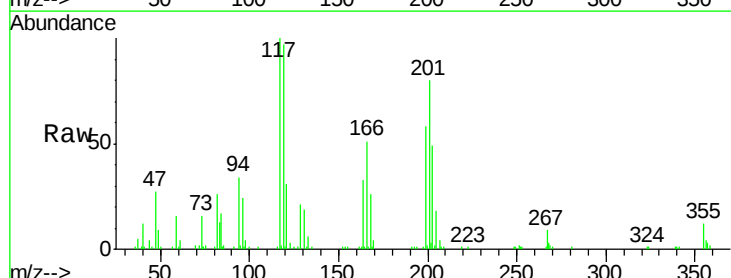
Acq: 29 Apr 2020 14:02

Tgt Ion: 117 Resp: 53333

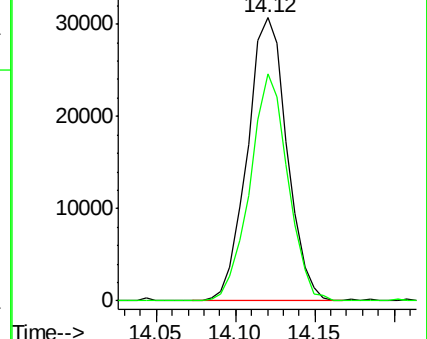
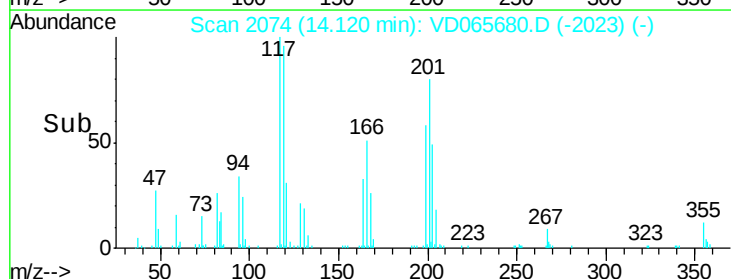
Ion Ratio Lower Upper

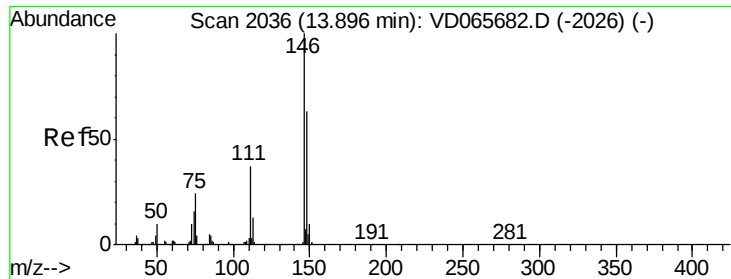
117 100

201 76.5 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 9.666 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

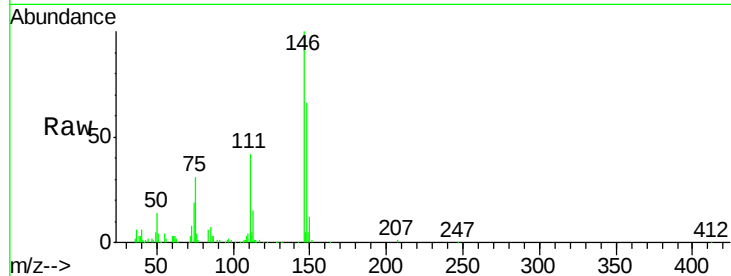
Tot Ion:146 Resp: 106028

Ion Ratio Lower Upper

146 100

111 40.7 19.6 58.7

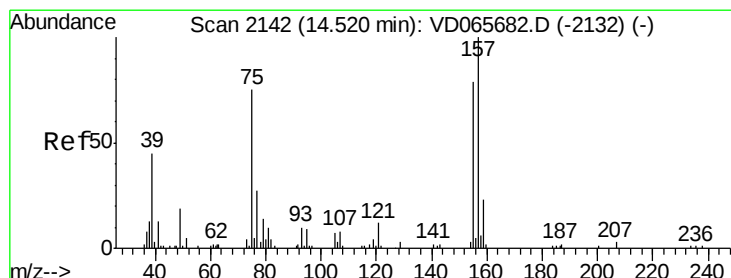
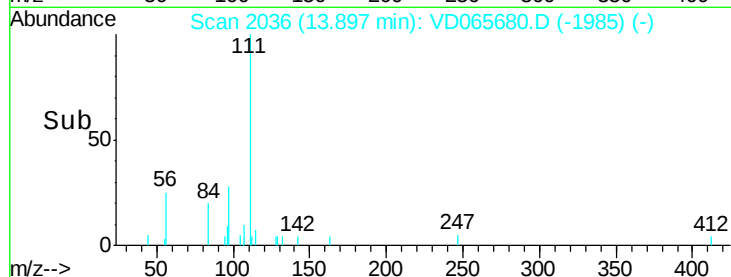
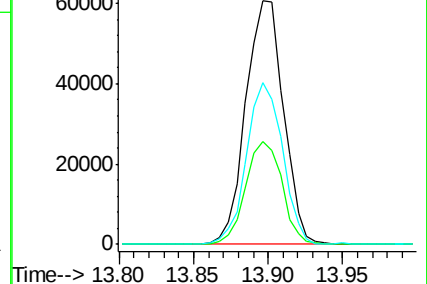
148 63.6 32.6 98.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 11.250 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

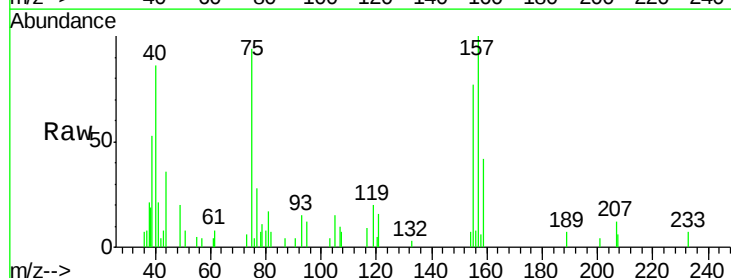
Tgt Ion: 75 Resp: 7357

Ion Ratio Lower Upper

75 100

155 85.0 50.5 151.6

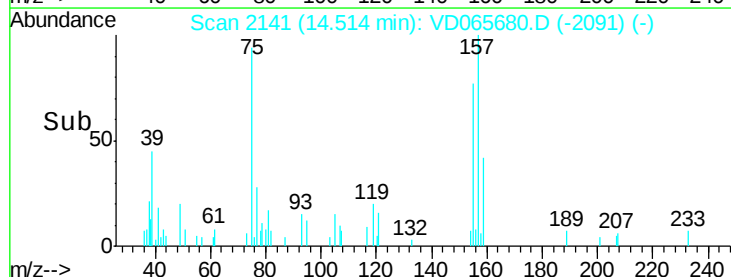
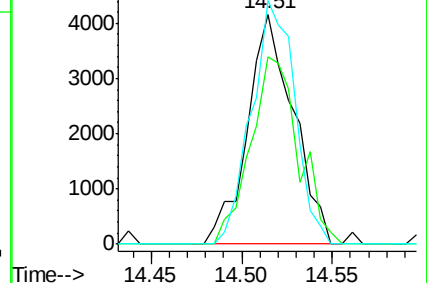
157 99.7 67.8 203.2

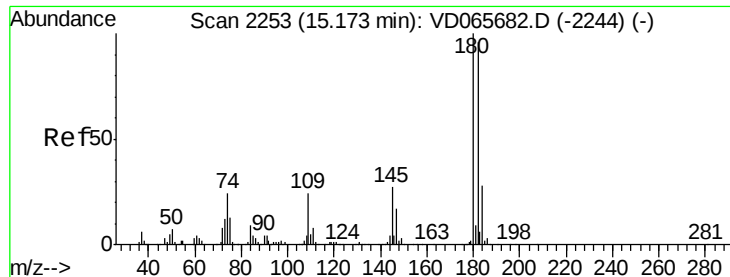


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

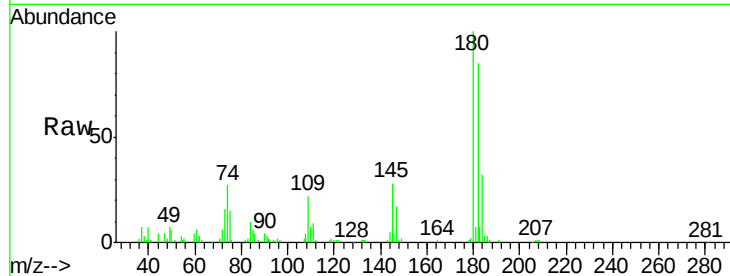




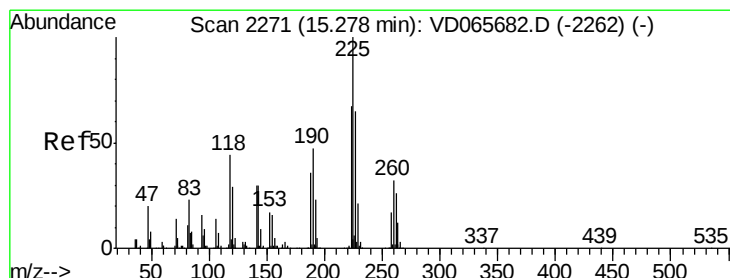
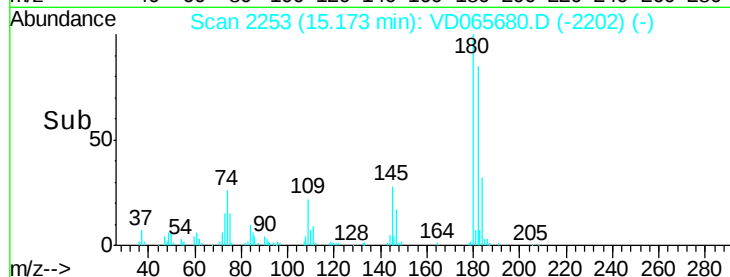
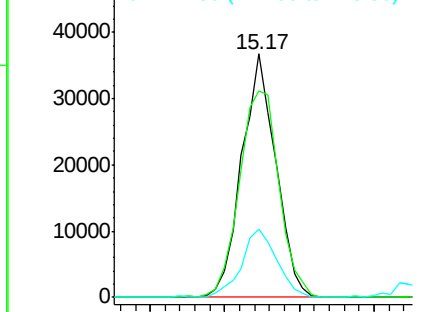
#93
 1,2,4-Trichlorobenzene
 Concen: 9.308 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 58187
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.0 144.0
 145 28.9 14.2 42.6

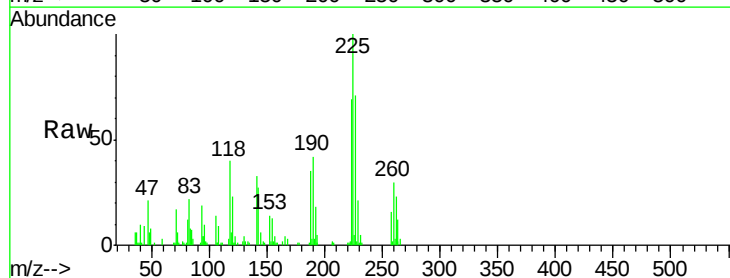


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

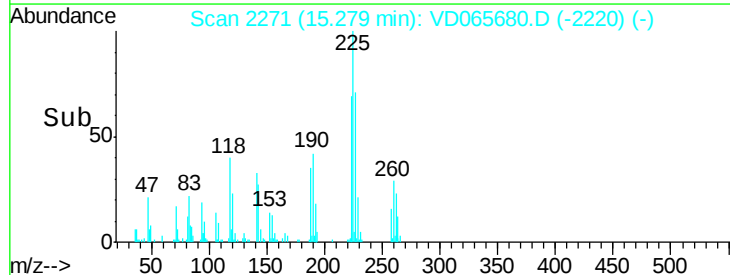
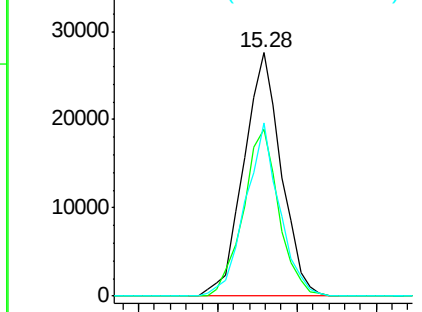


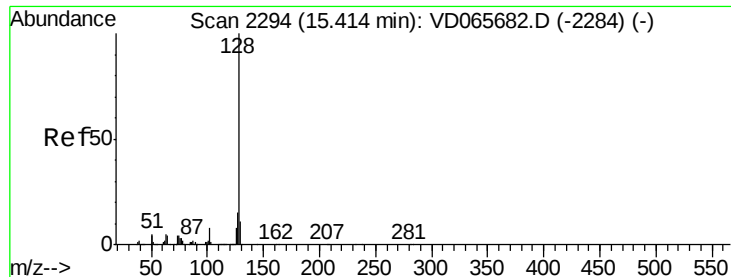
#94
 Hexachlorobutadiene
 Concen: 9.691 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065680.D
 Acq: 29 Apr 2020 14:02

Tgt Ion:225 Resp: 45029
 Ion Ratio Lower Upper
 225 100
 223 65.3 32.3 96.8
 227 65.0 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 9.060 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

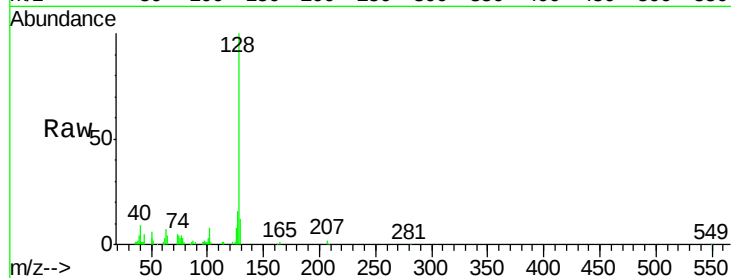
Tot Ion:128 Resp: 80456

Ion Ratio Lower Upper

128 100

127 16.3 10.6 16.0#

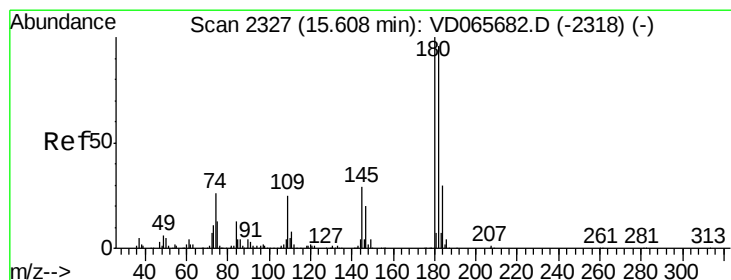
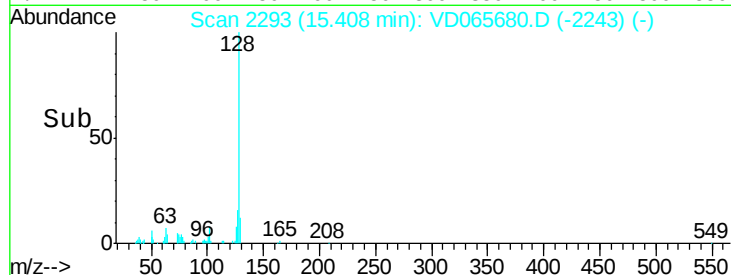
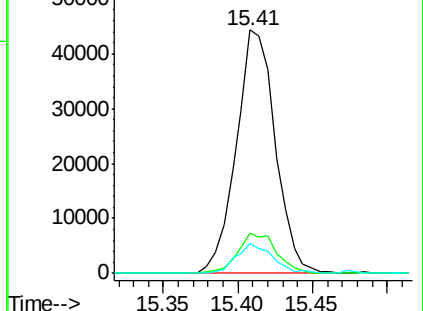
129 11.4 8.9 13.3



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: 9.589 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD065680.D

Acq: 29 Apr 2020 14:02

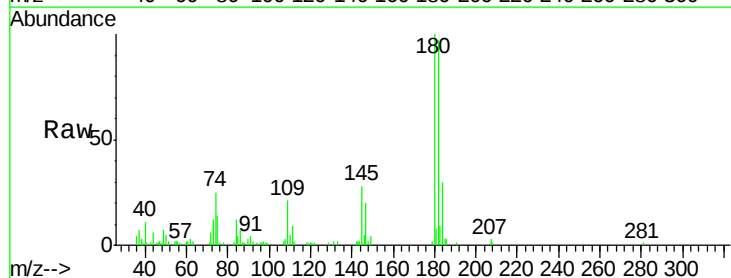
Tgt Ion:180 Resp: 53634

Ion Ratio Lower Upper

180 100

182 95.9 48.6 145.8

145 29.6 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

