

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
 Data File : VD065683.D
 Acq On : 29 Apr 2020 15:27
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 30 07:19:11 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	7.98	168	777403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1048456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1034004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	608365	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	619161	88.89	ug/l	0.00
Spiked Amount			Recovery	=	177.78%	
35) Dibromofluoromethane	7.92	113	698686	97.39	ug/l	0.00
Spiked Amount			Recovery	=	194.78%	
50) Toluene-d8	10.34	98	2806256	114.04	ug/l	0.00
Spiked Amount			Recovery	=	228.08%	
62) 4-Bromofluorobenzene	12.64	95	921016	115.75	ug/l	0.00
Spiked Amount			Recovery	=	231.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	277981	67.656	ug/l	96
3) Chloromethane	2.21	50	524615	66.020	ug/l	94
4) Vinyl Chloride	2.35	62	947200	74.126	ug/l	98
5) Bromomethane	2.75	94	835444	69.872	ug/l	98
6) Chloroethane	2.92	64	696430	74.027	ug/l	98
7) Trichlorofluoromethane	3.27	101	1908485	75.138	ug/l	96
8) Diethyl Ether	3.71	74	566186	79.201	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	1271919	103.894	ug/l	96
10) Methyl Iodide	4.28	142	685852	131.558	ug/l	98
11) Tert butyl alcohol	5.26	59	115716	452.722	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	1229168	102.259	ug/l	97
13) Acrolein	3.92	56	337698	401.564	ug/l	98
14) Allyl chloride	4.71	41	585542	97.147	ug/l	99
15) Acrylonitrile	5.43	53	491680	487.602	ug/l	99
16) Acetone	4.16	43	459084	404.419	ug/l	99
17) Carbon Disulfide	4.39	76	1647827	83.343	ug/l	99
18) Methyl Acetate	4.72	43	215263	86.135	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	1199606	107.698	ug/l	93
20) Methylene Chloride	4.96	84	618133	74.936	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	691283	94.141	ug/l	99
22) Diisopropyl ether	6.37	45	1380588	106.245	ug/l	99
23) Vinyl Acetate	6.31	43	3915920	661.509	ug/l	100
24) 1,1-Dichloroethane	6.26	63	993164	86.104	ug/l	99
25) 2-Butanone	7.22	43	558772	486.480	ug/l	95
26) 2,2-Dichloropropane	7.21	77	988678	88.126	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	744592	98.039	ug/l	99
28) Bromochloromethane	7.55	49	351934	82.174	ug/l	97
29) Tetrahydrofuran	7.57	42	349671	526.005	ug/l	99
30) Chloroform	7.71	83	1220668	87.478	ug/l	96
31) Cyclohexane	7.98	56	867378	88.793	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	1151686	89.295	ug/l	98
36) 1,1-Dichloropropene	8.11	75	939028	101.386	ug/l	99
37) Ethyl Acetate	7.30	43	259671	104.150	ug/l	98
38) Carbon Tetrachloride	8.10	117	1108712	94.751	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1168543	119.034	ug/l	95
40) Benzene	8.35	78	2635454	100.644	ug/l	97
41) Methacrylonitrile	7.53	41	135128	87.250	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	710252	93.841	ug/l	99
43) Isopropyl Acetate	8.46	43	488877	104.358	ug/l	99
44) Trichloroethene	9.11	130	784398	96.952	ug/l	97
45) 1,2-Dichloropropane	9.39	63	573216	96.832	ug/l	96
46) Dibromomethane	9.48	93	383196	99.975	ug/l	98
47) Bromodichloromethane	9.67	83	965274	95.266	ug/l	99
48) Methyl methacrylate	9.46	41	229986	112.126	ug/l	98
49) 1,4-Dioxane	9.47	88	85790	2289.991	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1348690	568.067	ug/l	98
52) Toluene	10.41	92	1925836	112.358	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	881154	112.357	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	1021040	108.893	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	533440	100.119	ug/l	98
56) Ethyl methacrylate	10.67	69	559072	138.187	ug/l	98
57) 1,3-Dichloropropane	10.95	76	834909	104.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	1230893	601.510	ug/l	98
59) 2-Hexanone	10.99	43	919667	609.993	ug/l	98
60) Dibromochloromethane	11.14	129	760925	107.298	ug/l	99
61) 1,2-Dibromoethane	11.25	107	534225	108.852	ug/l	100
64) Tetrachloroethene	10.88	164	729898	101.685	ug/l	97
65) Chlorobenzene	11.68	112	2069518	100.671	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	832459	107.251	ug/l	99
67) Ethyl Benzene	11.75	91	3716353	116.335	ug/l	100
68) m/p-Xylenes	11.86	106	3087759	241.701	ug/l	96
69) o-Xylene	12.18	106	1369440	127.308	ug/l	96
70) Styrene	12.20	104	2434452	127.056	ug/l	99
71) Bromoform	12.37	173	474590	109.496	ug/l #	98
73) Isopropylbenzene	12.48	105	3767909	118.974	ug/l	99
74) N-amyl acetate	12.30	43	481787	110.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	568139	89.967	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	369238m	53.760	ug/l	
77) Bromobenzene	12.77	156	959743	108.030	ug/l	97
78) n-propylbenzene	12.83	91	4339090	110.796	ug/l	99
79) 2-Chlorotoluene	12.91	91	2387687	107.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	3211426	116.369	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	184831	107.598	ug/l	95
82) 4-Chlorotoluene	13.01	91	2519160	104.939	ug/l	99
83) tert-Butylbenzene	13.23	119	2784608	122.222	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	3269489	119.879	ug/l	99
85) sec-Butylbenzene	13.41	105	3831905	115.436	ug/l	99
86) p-Isopropyltoluene	13.53	119	3795763	123.994	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1978606	108.881	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1881803	99.761	ug/l	99
89) n-Butylbenzene	13.85	91	3199900	115.726	ug/l	98
90) Hexachloroethane	14.12	117	717037	94.440	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	1634801	104.296	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	87417	93.542	ug/l	97

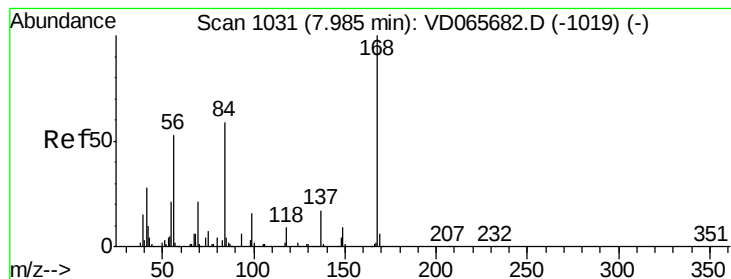
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1074433	120.268	ug/l	100
94) Hexachlorobutadiene	15.28	225	670858	101.032	ug/l	99
95) Naphthalene	15.41	128	1770788	139.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	945988	118.355	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

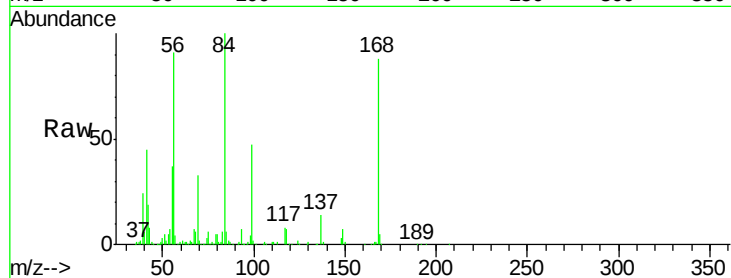
VSTDIC100

Tot Ion:168 Resp: 777403

Ion Ratio Lower Upper

168 100

99 52.6 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400000

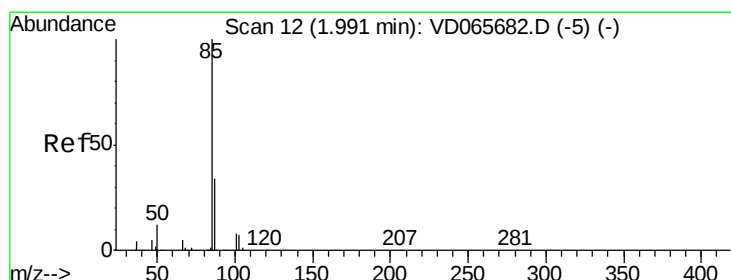
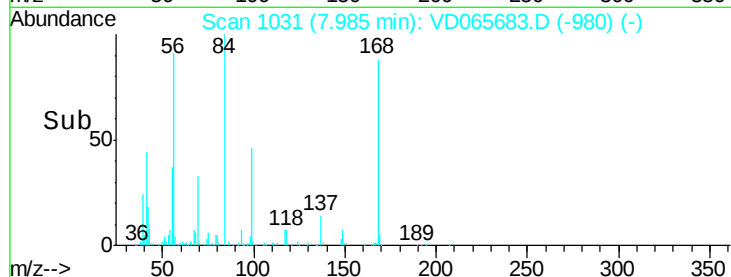
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 67.656 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065683.D

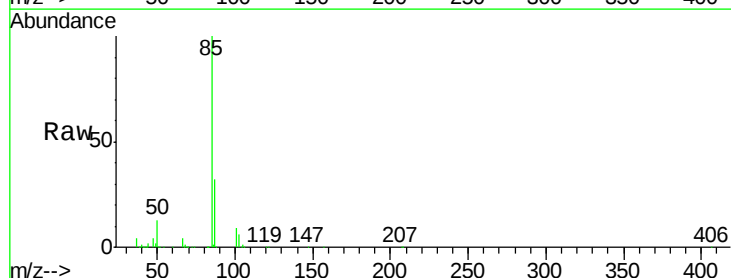
Acq: 29 Apr 2020 15:27

Tgt Ion: 85 Resp: 277981

Ion Ratio Lower Upper

85 100

87 31.6 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

200000

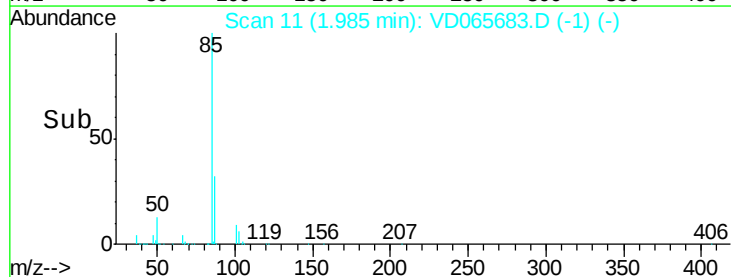
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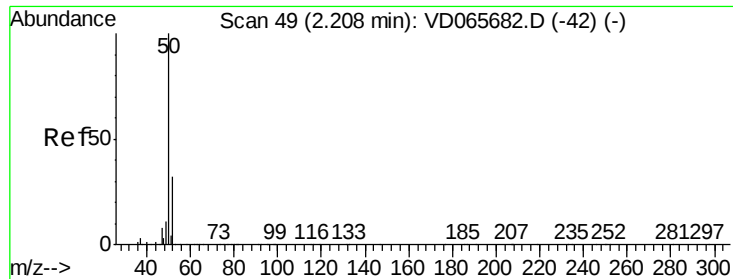
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Time-->

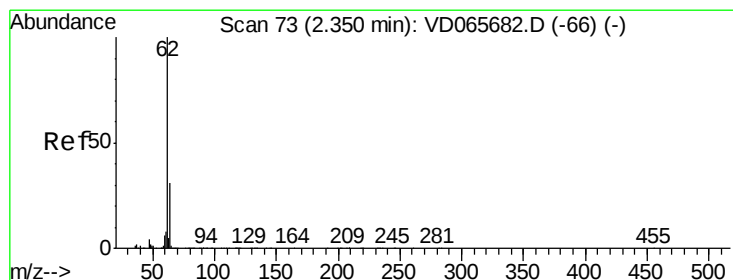
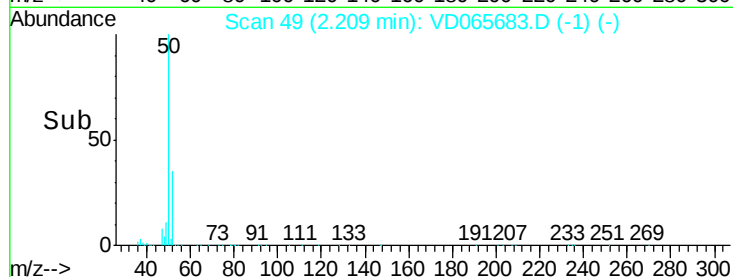
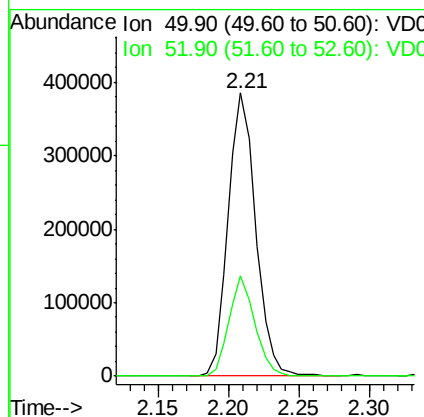
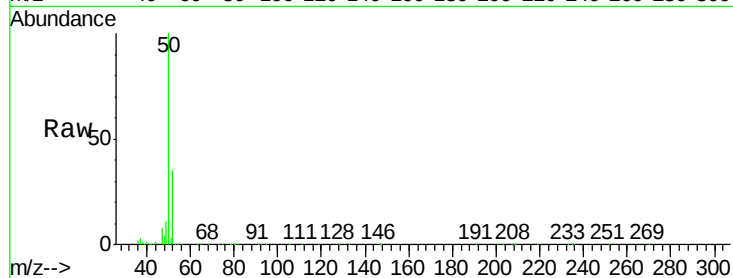




#3
Chloromethane
Concen: 66.020 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

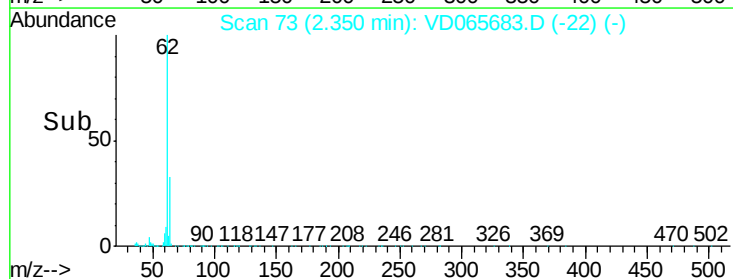
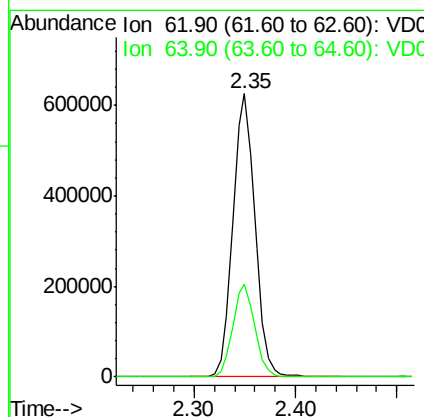
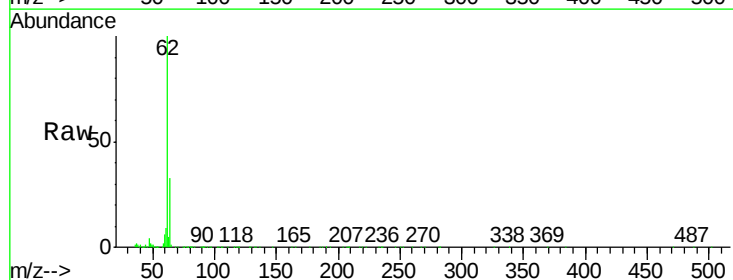
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

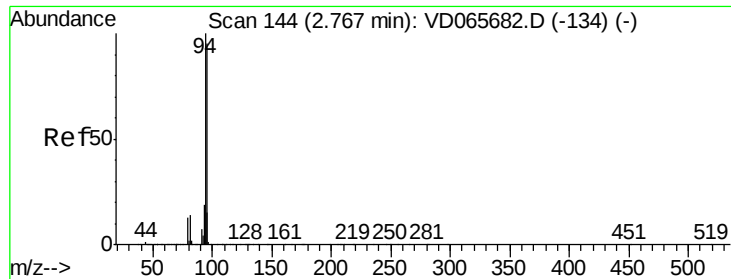
Tot Ion: 50 Resp: 524615
Ion Ratio Lower Upper
50 100
52 35.3 25.4 38.0



#4
Vinyl Chloride
Concen: 74.126 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 62 Resp: 947200
Ion Ratio Lower Upper
62 100
64 32.5 25.1 37.7





#5

Bromomethane

Concen: 69.872 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

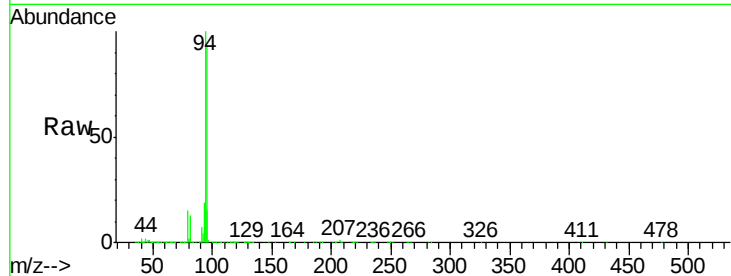
VSTDICC100

Tot Ion: 94 Resp: 835444

Ion Ratio Lower Upper

94 100

96 92.5 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

400000

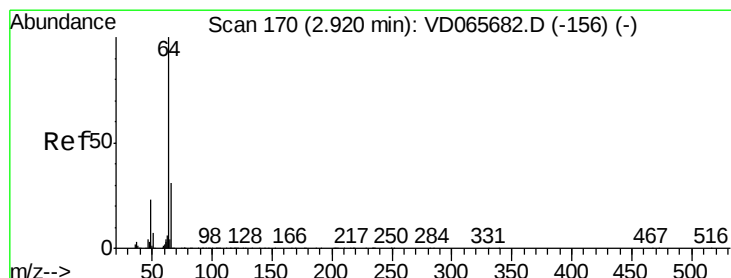
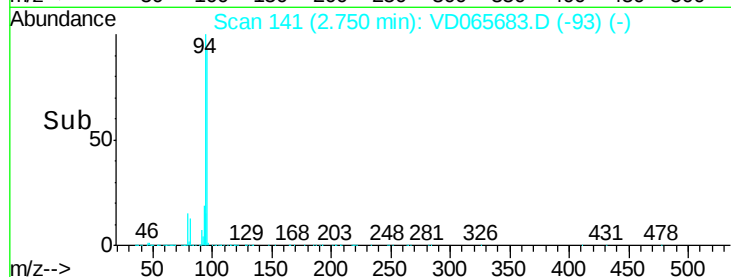
300000

200000

100000

0

Time--> 2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 74.027 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065683.D

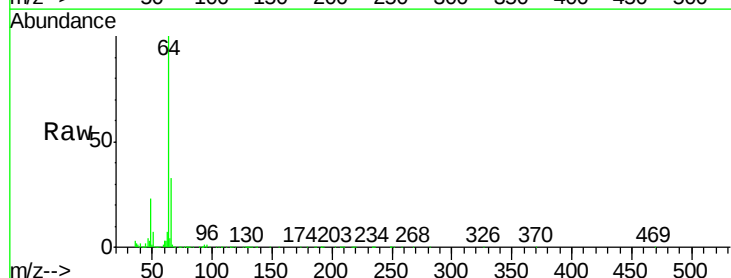
Acq: 29 Apr 2020 15:27

Tgt Ion: 64 Resp: 696430

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

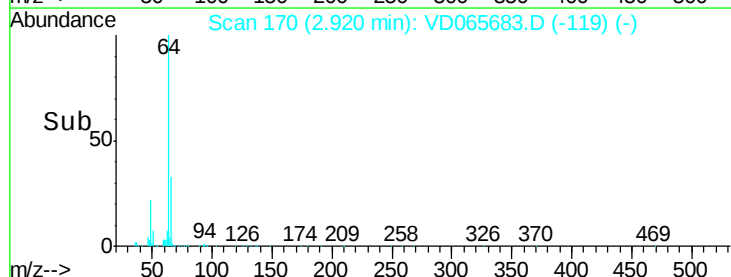
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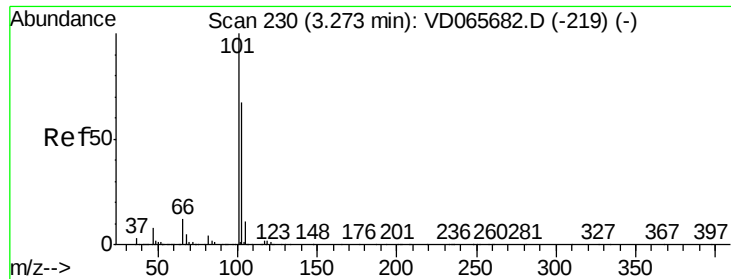
200000

100000

0

Time--> 2.80 2.90 3.00



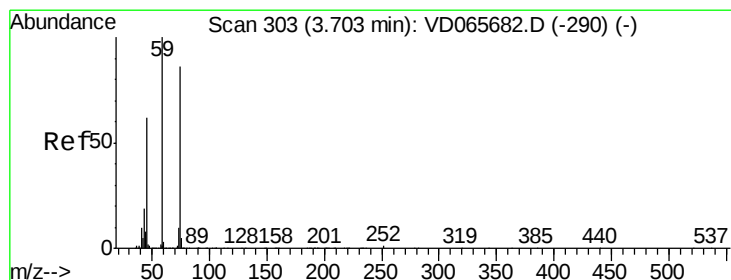
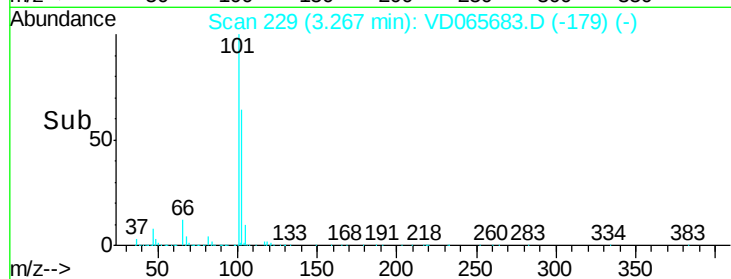
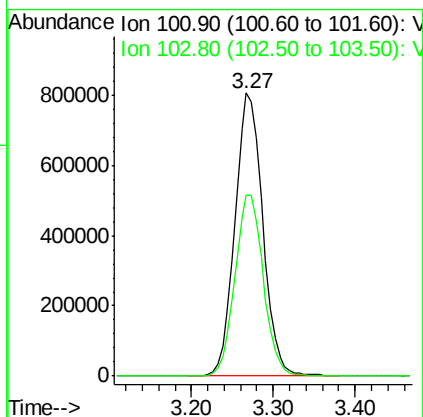
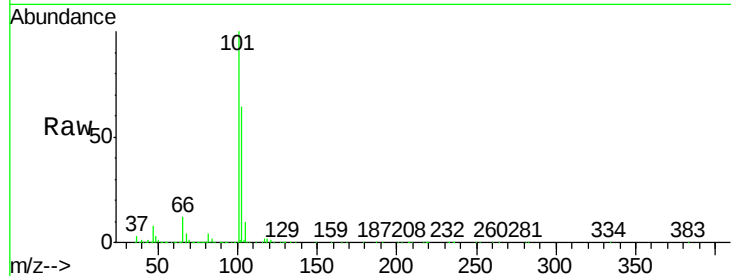


#7

Trichlorofluoromethane
Concen: 75.138 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

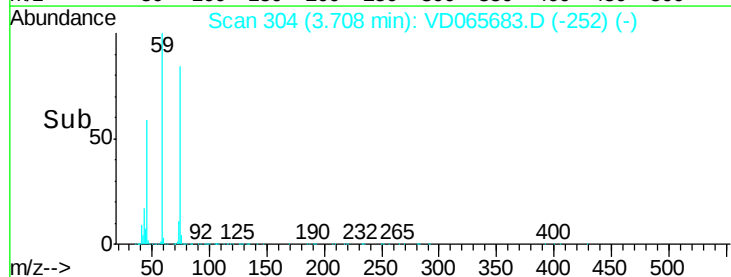
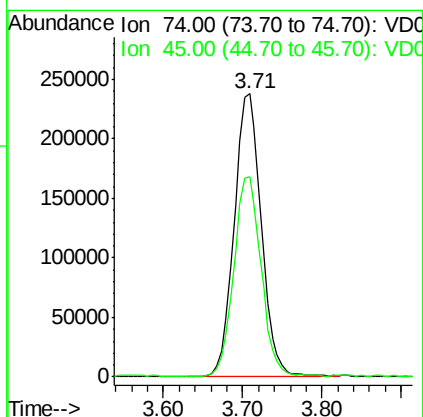
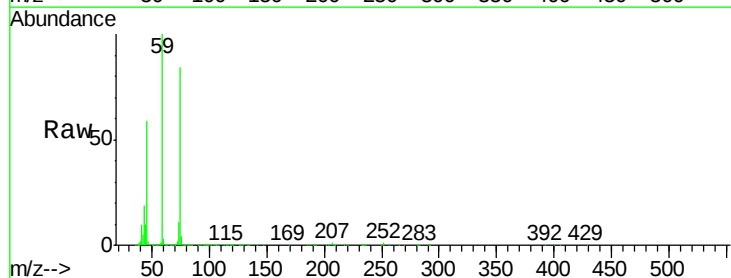
Tot Ion:101 Resp: 1908485
Ion Ratio Lower Upper
101 100
103 64.1 53.9 80.9

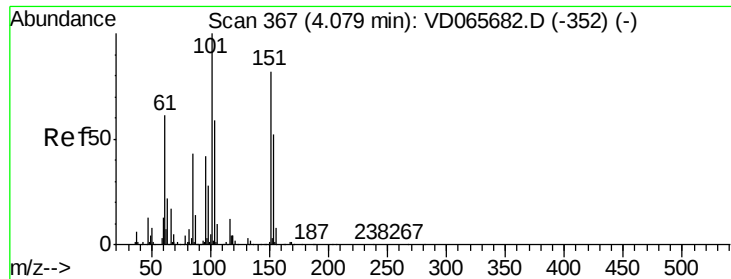


#8

Diethyl Ether
Concen: 79.201 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 74 Resp: 566186
Ion Ratio Lower Upper
74 100
45 70.9 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.894 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

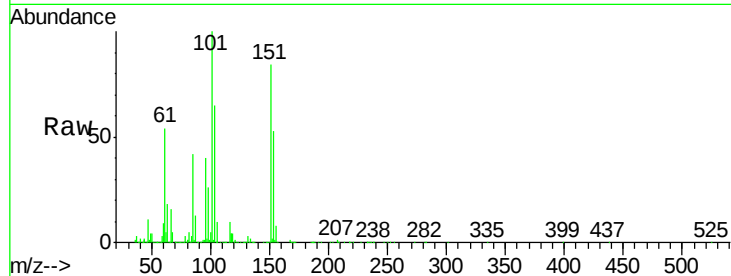
Tot Ion:101 Resp: 1271919

Ion Ratio Lower Upper

101 100

85 41.3 35.4 53.2

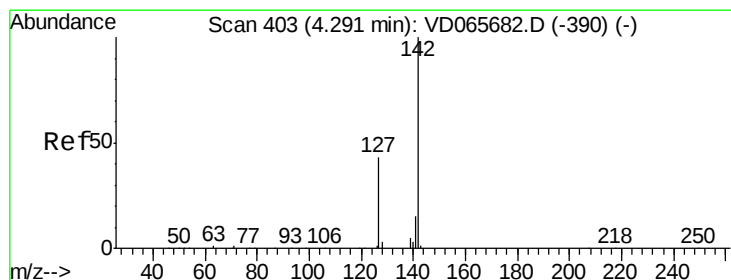
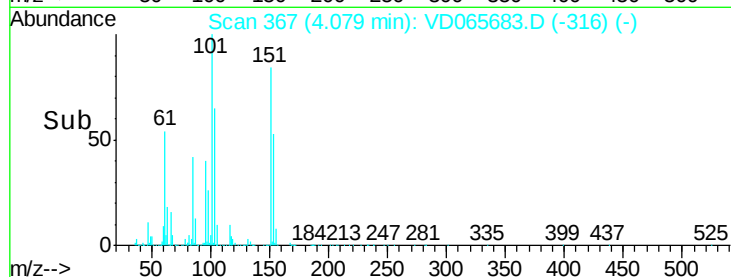
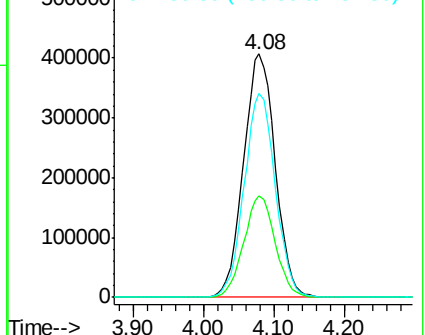
151 82.9 64.1 96.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 131.558 ug/l

RT: 4.28 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

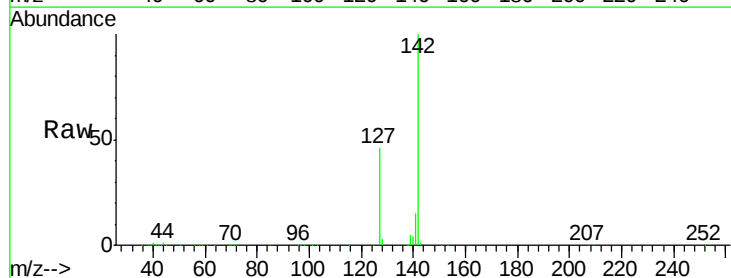
Tgt Ion:142 Resp: 685852

Ion Ratio Lower Upper

142 100

127 44.9 36.7 55.1

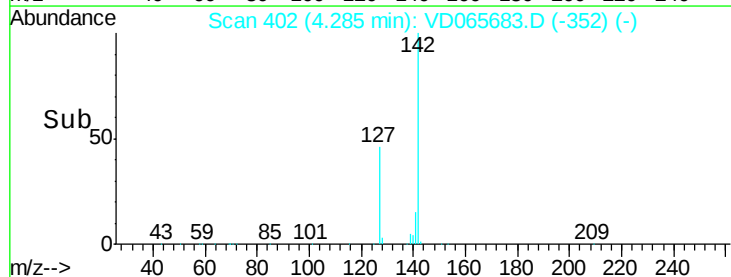
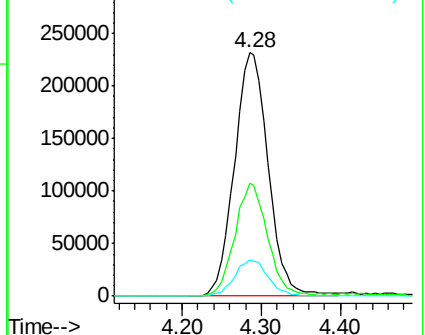
141 14.6 12.2 18.2

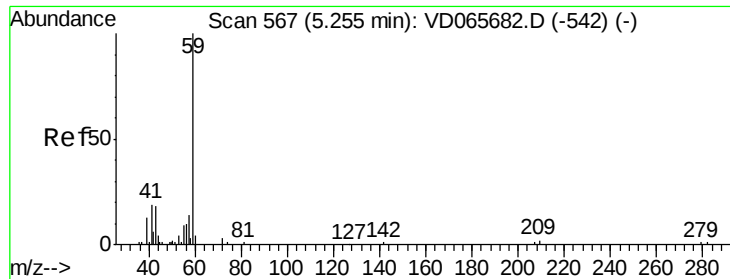


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

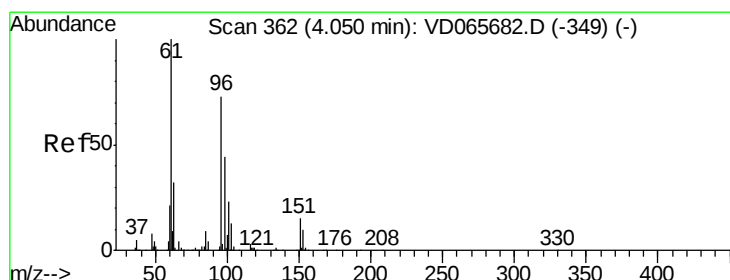
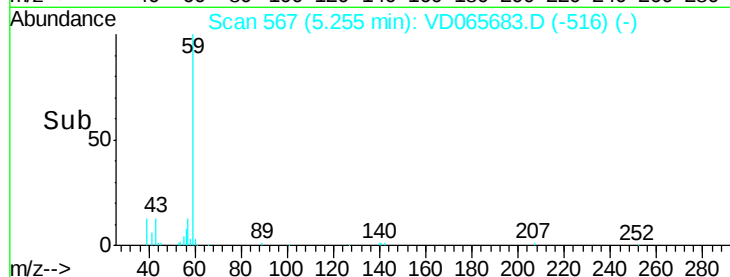
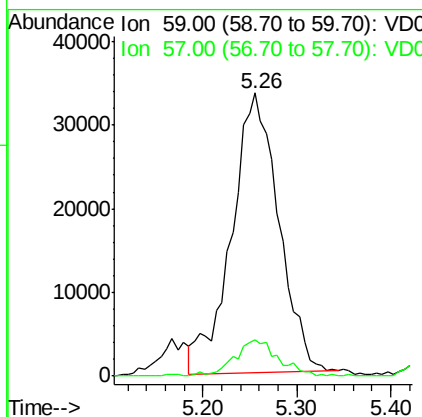
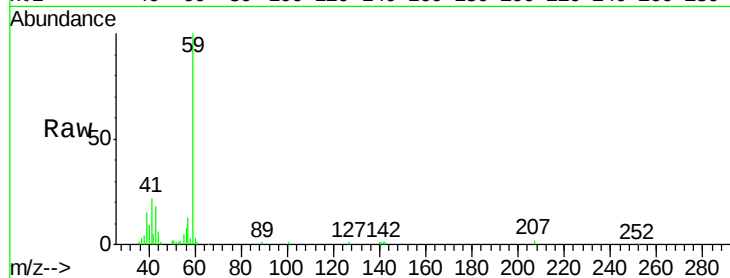




#11
Tert butyl alcohol
Concen: 452.722 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

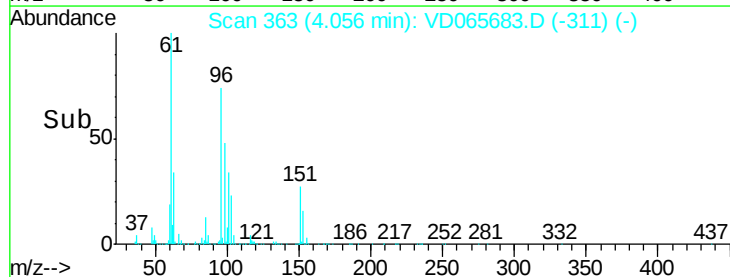
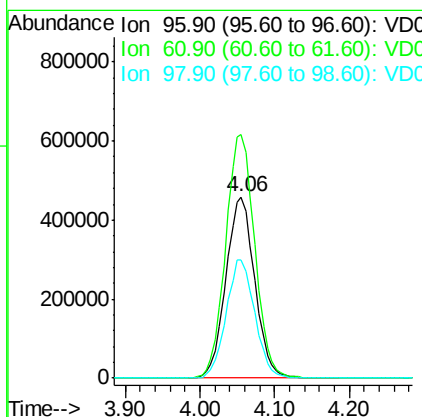
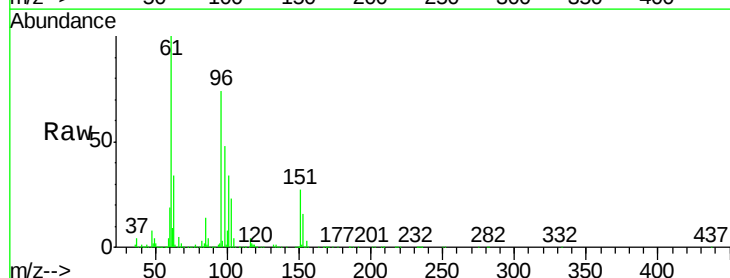
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

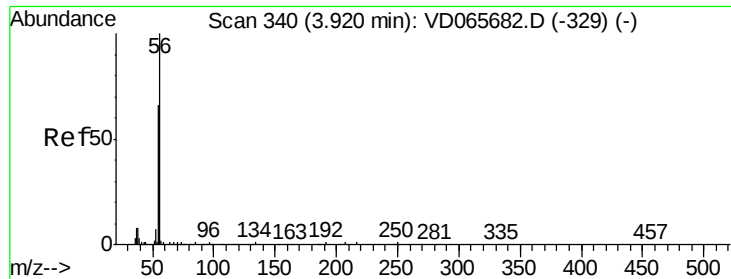
Tot Ion: 59 Resp: 115716
Ion Ratio Lower Upper
59 100
57 11.8 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 102.259 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 96 Resp: 1229168
Ion Ratio Lower Upper
96 100
61 134.3 108.9 163.3
98 65.0 47.8 71.8

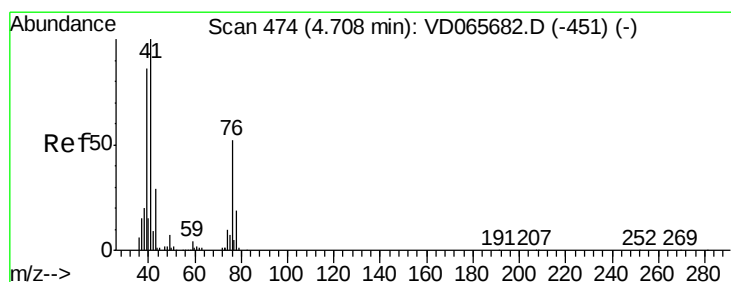
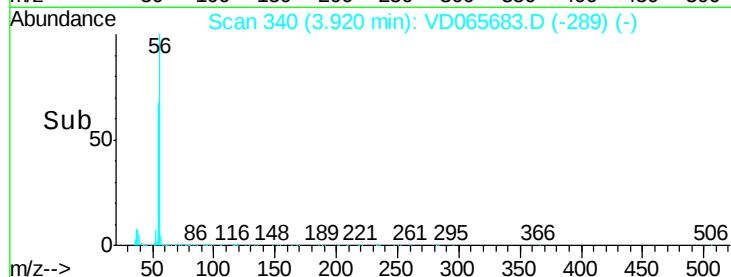
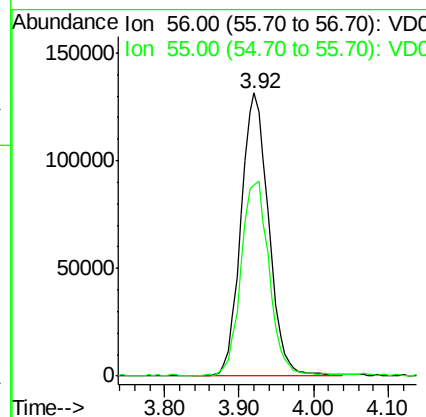
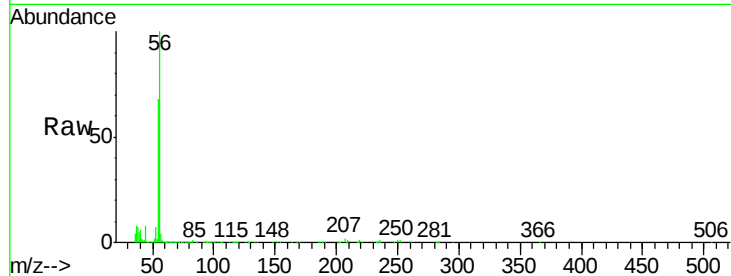




#13
 Acrolein
 Concen: 401.564 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

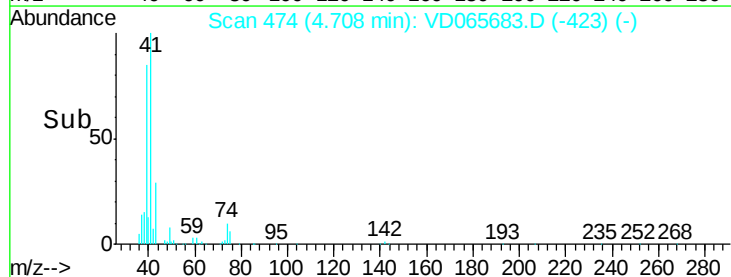
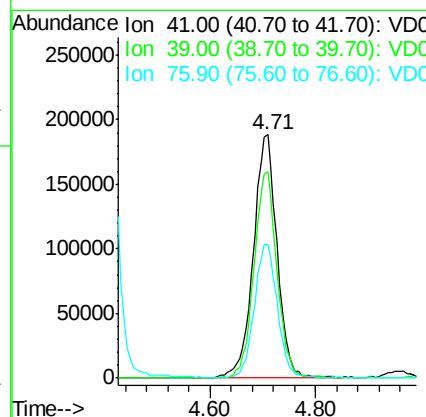
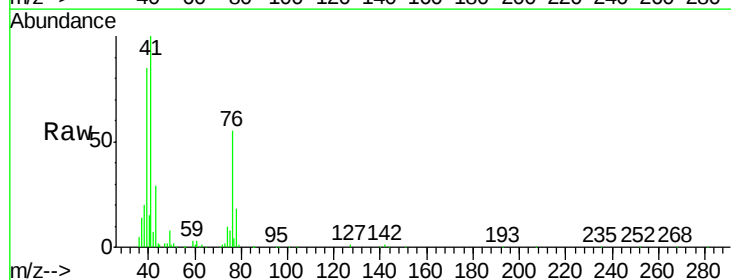
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

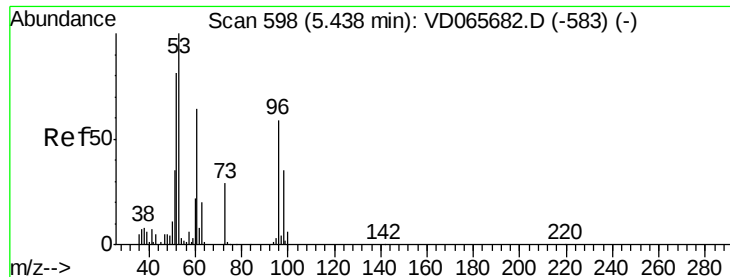
Tot Ion: 56 Resp: 337698
 Ion Ratio Lower Upper
 56 100
 55 70.8 57.7 86.5



#14
 Allyl chloride
 Concen: 97.147 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 41 Resp: 585542
 Ion Ratio Lower Upper
 41 100
 39 82.3 66.2 99.4
 76 52.7 41.3 61.9





#15

Acrylonitrile

Concen: 487.602 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

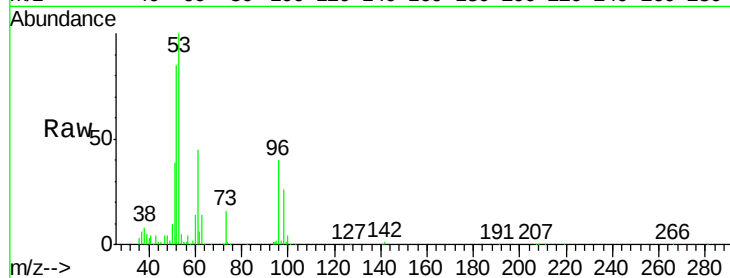
Tot Ion: 53 Resp: 491680

Ion Ratio Lower Upper

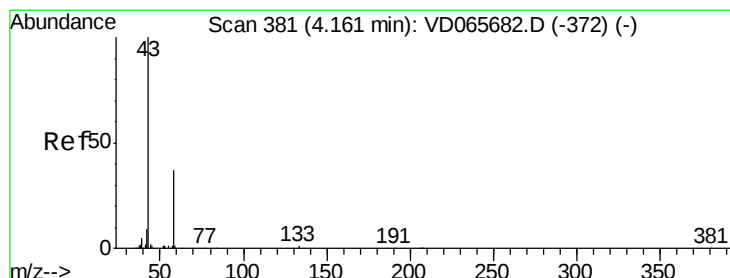
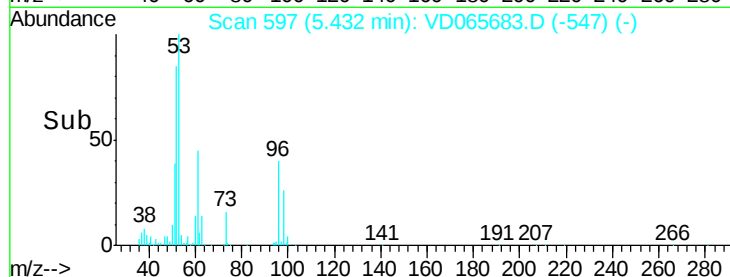
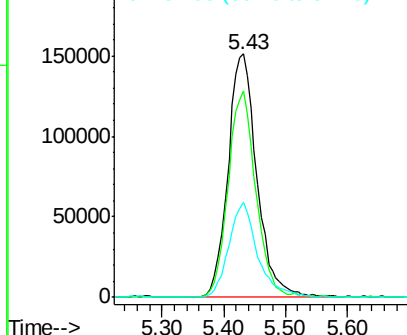
53 100

52 81.2 66.2 99.4

51 39.0 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: 404.419 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065683.D

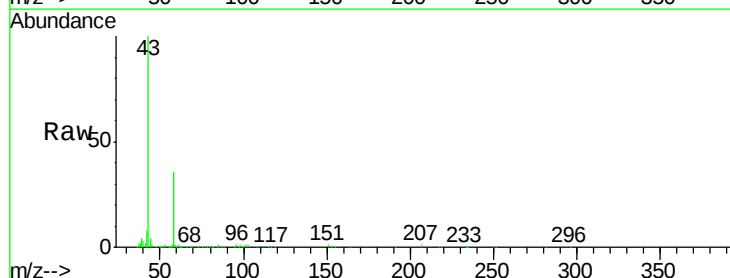
Acq: 29 Apr 2020 15:27

Tgt Ion: 43 Resp: 459084

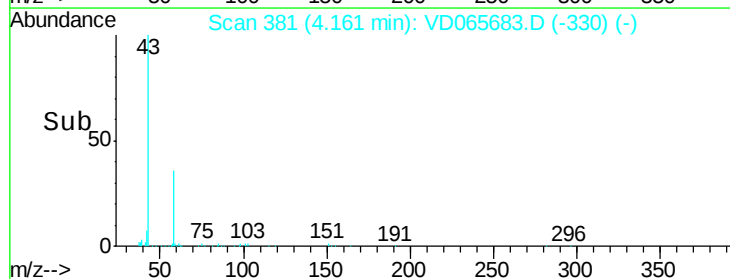
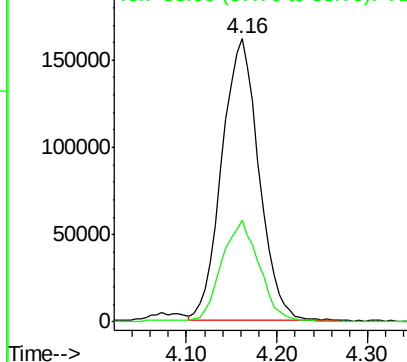
Ion Ratio Lower Upper

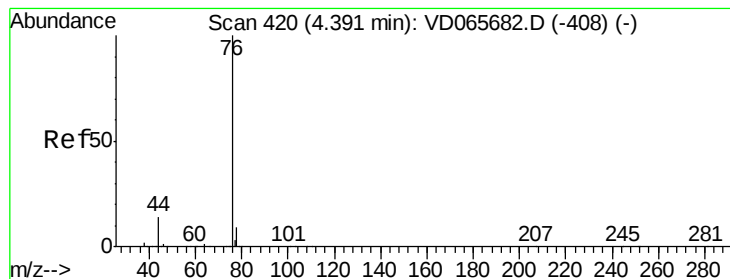
43 100

58 36.1 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: 83.343 ug/l

RT: 4.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

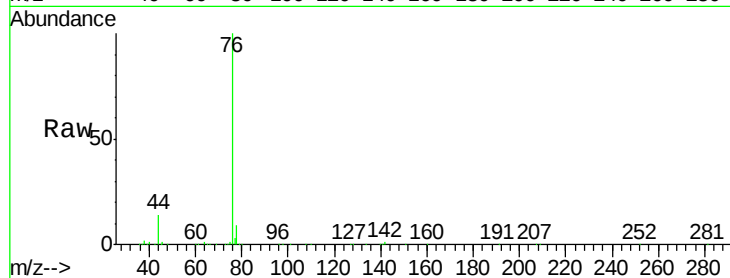
VSTDIC100

Tot Ion: 76 Resp: 1647827

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.39

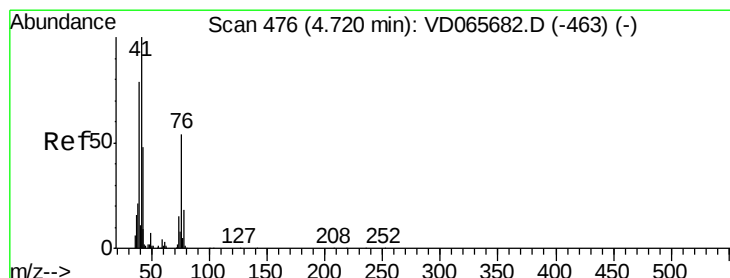
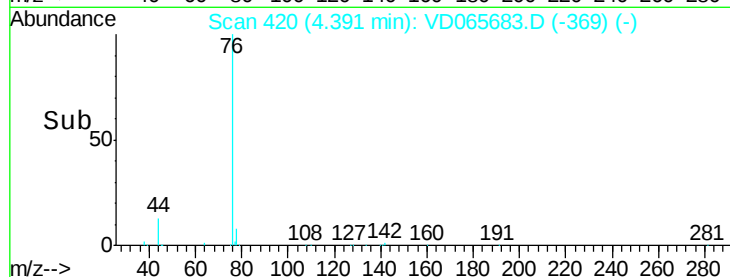
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 86.135 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065683.D

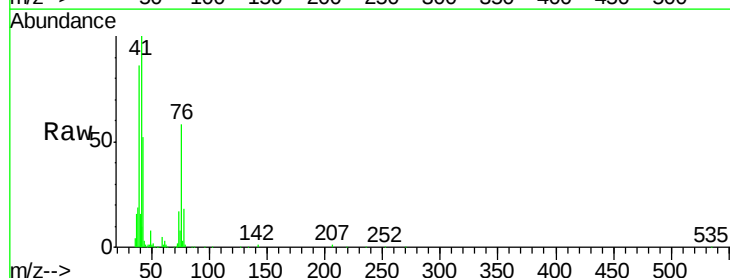
Acq: 29 Apr 2020 15:27

Tgt Ion: 43 Resp: 215263

Ion Ratio Lower Upper

43 100

74 34.3 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

80000

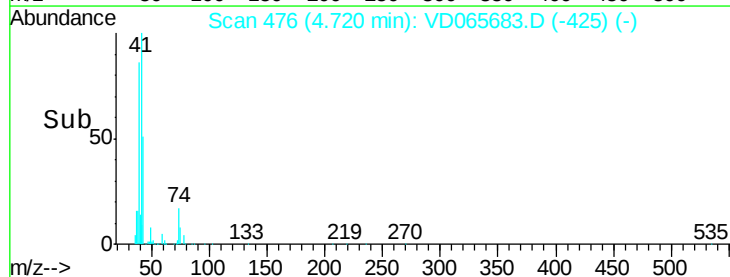
60000

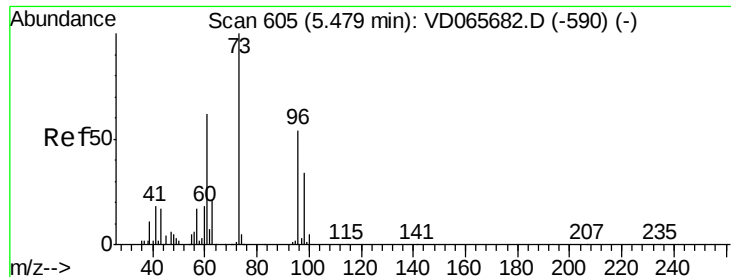
40000

20000

0

Time-->



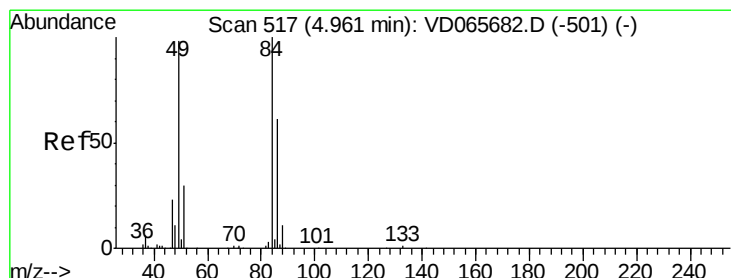
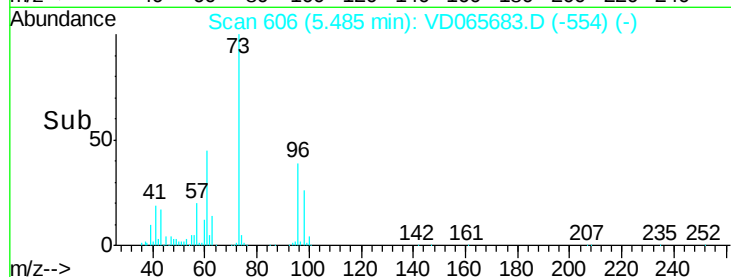
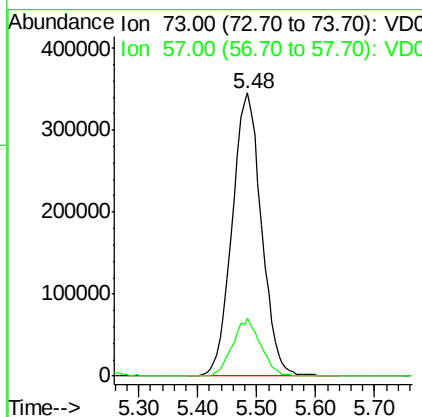
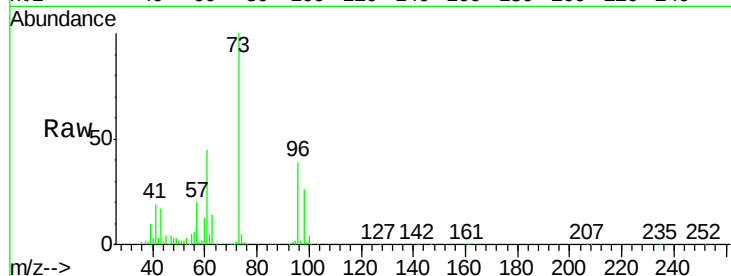


#19

Methyl tert-butyl Ether
 Concen: 107.698 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

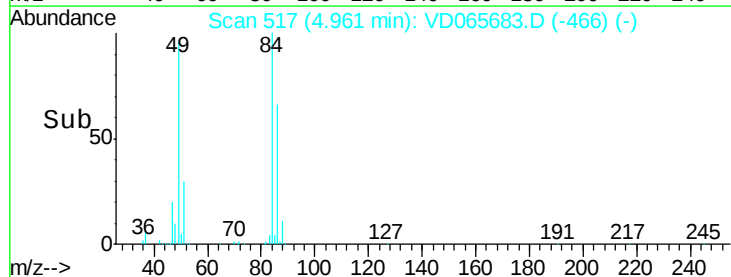
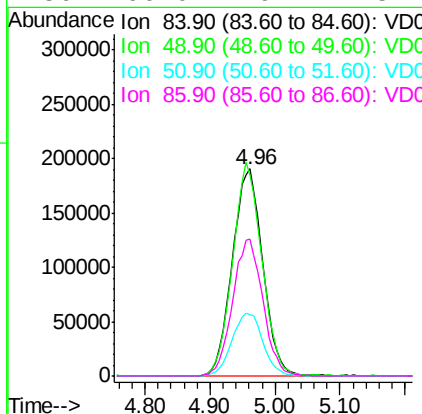
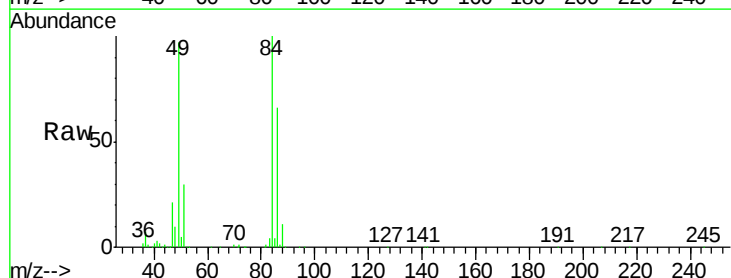
Tot Ion: 73 Resp: 1199606
 Ion Ratio Lower Upper
 73 100
 57 20.3 13.7 20.5

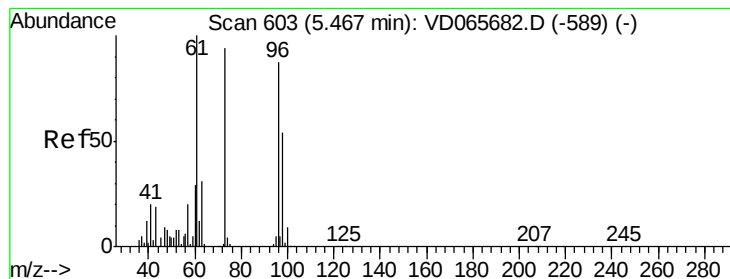


#20

Methylene Chloride
 Concen: 74.936 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 84 Resp: 618133
 Ion Ratio Lower Upper
 84 100
 49 96.6 78.6 118.0
 51 29.9 24.1 36.1
 86 66.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 94.141 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

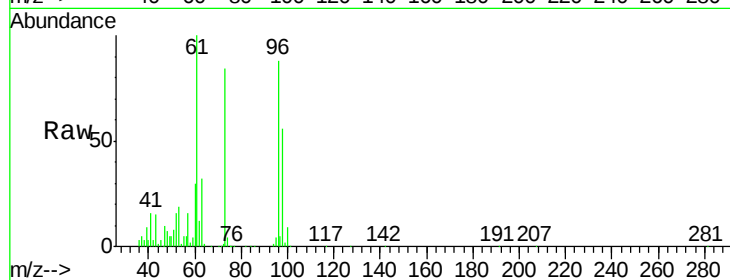
Tot Ion: 96 Resp: 691283

Ion Ratio Lower Upper

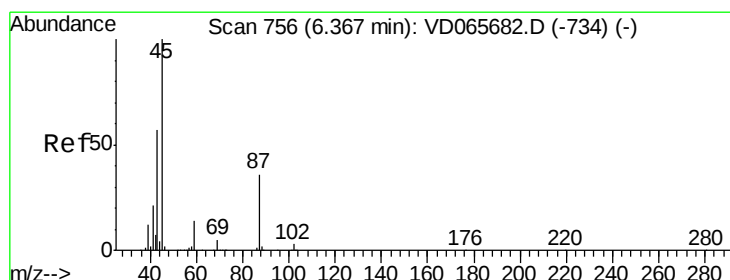
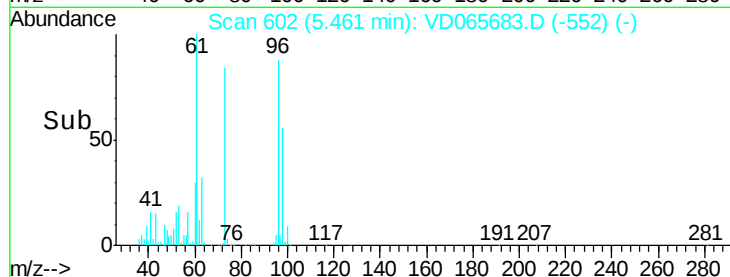
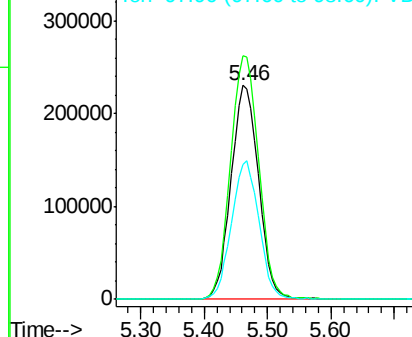
96 100

61 113.7 91.7 137.5

98 63.2 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 106.245 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Tgt Ion: 45 Resp: 1380588

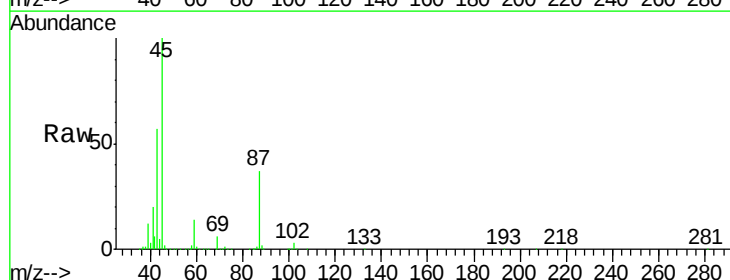
Ion Ratio Lower Upper

45 100

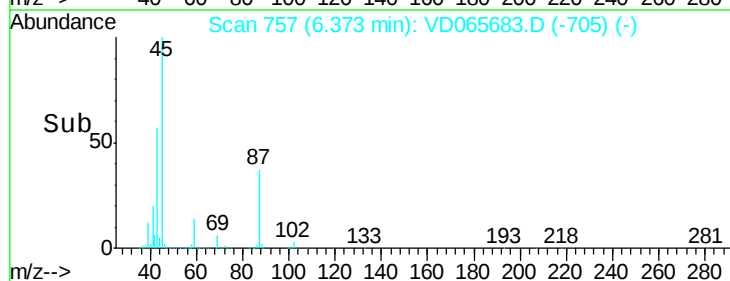
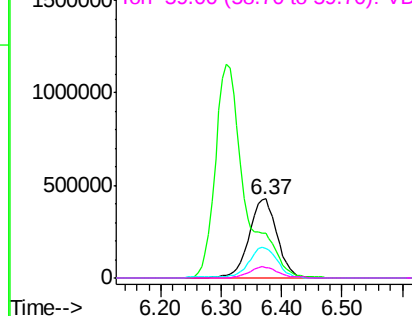
43 56.7 45.6 68.4

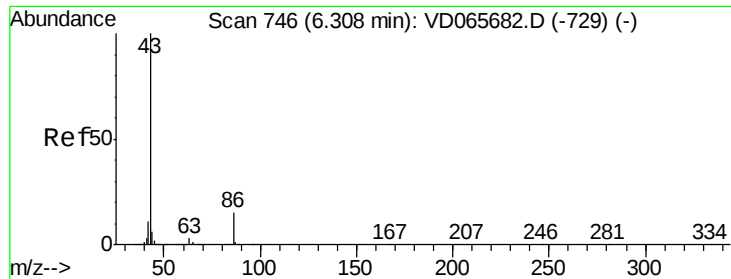
87 37.3 29.3 43.9

59 13.7 11.3 16.9



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC

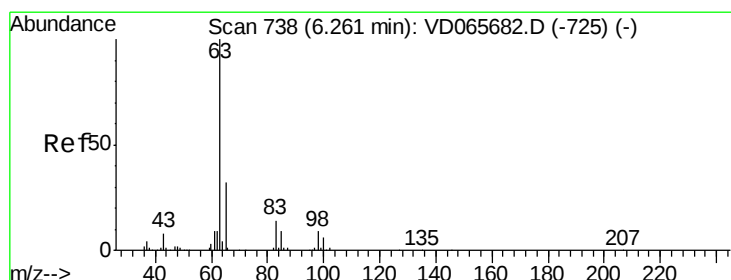
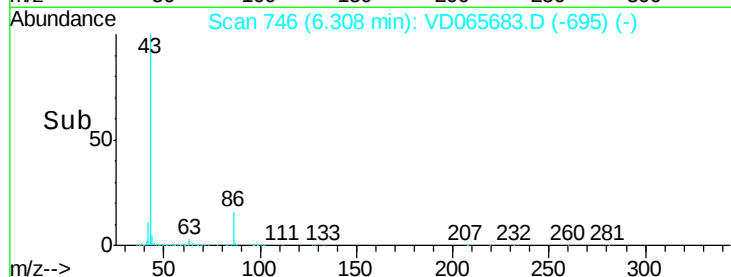
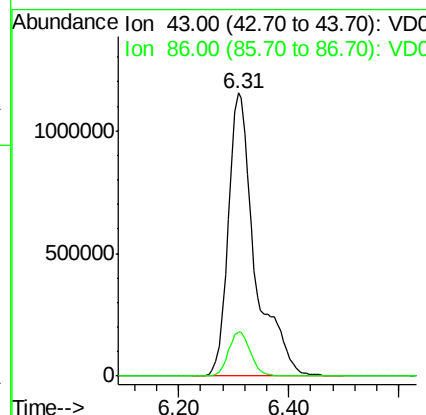
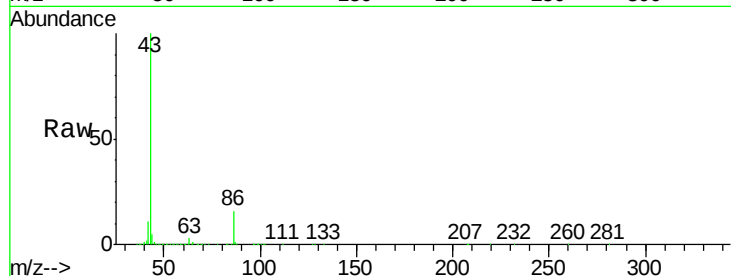




#23
 Vinyl Acetate
 Concen: 661.509 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

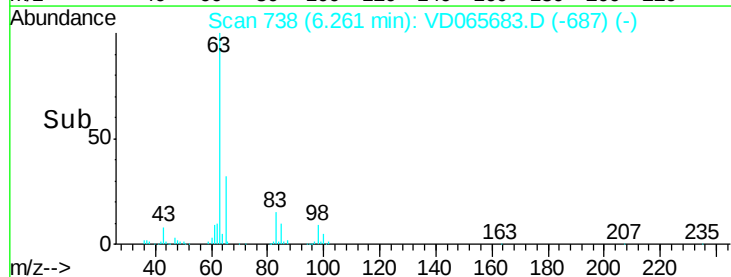
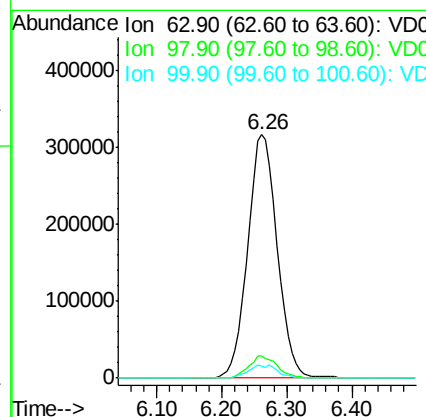
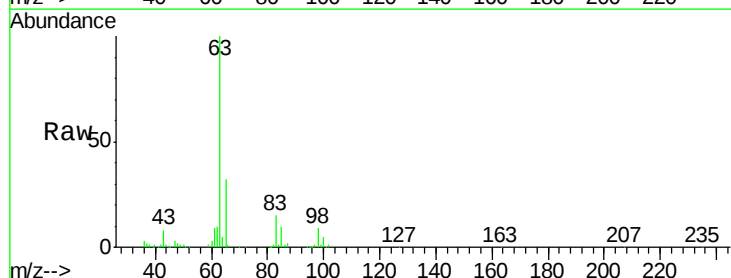
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

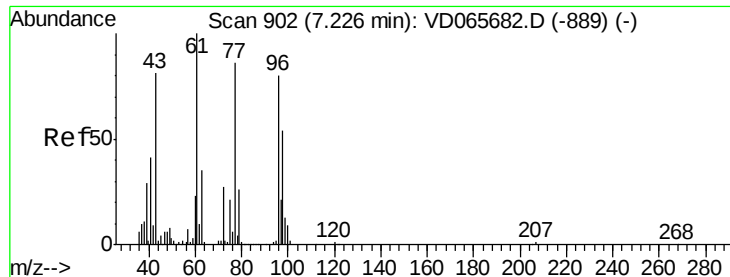
Tot Ion: 43 Resp: 3915920
 Ion Ratio Lower Upper
 43 100
 86 15.6 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 86.104 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 63 Resp: 993164
 Ion Ratio Lower Upper
 63 100
 98 8.9 4.3 13.1
 100 5.2 2.9 8.6





#25

2-Butanone

Concen: 486.480 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

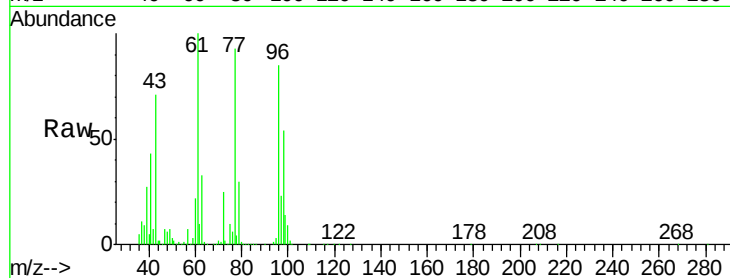
VSTDIC100

Tot Ion: 43 Resp: 558772

Ion Ratio Lower Upper

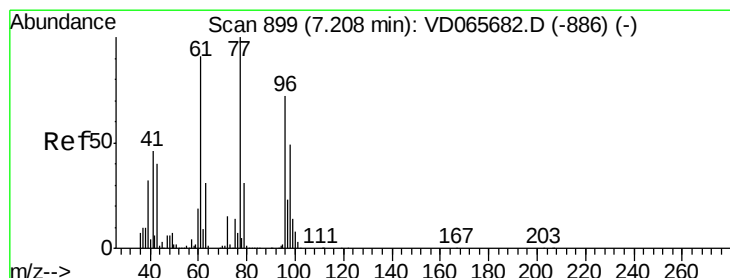
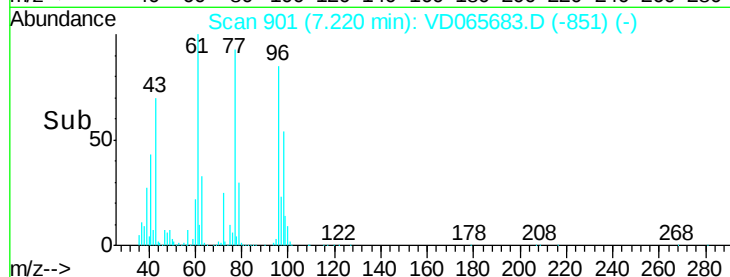
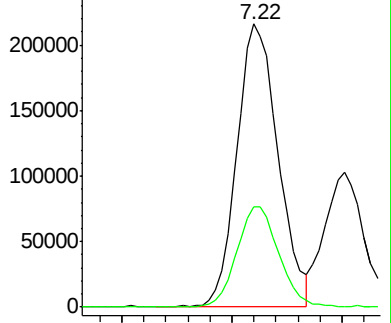
43 100

72 35.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 88.126 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065683.D

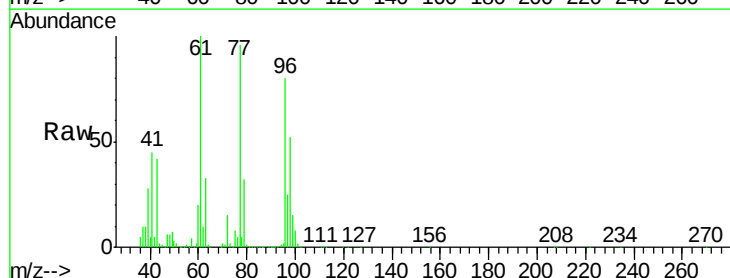
Acq: 29 Apr 2020 15:27

Tgt Ion: 77 Resp: 988678

Ion Ratio Lower Upper

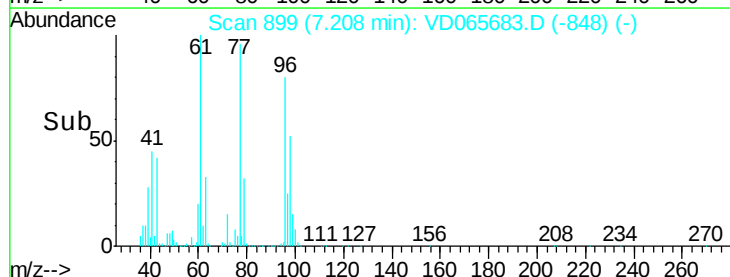
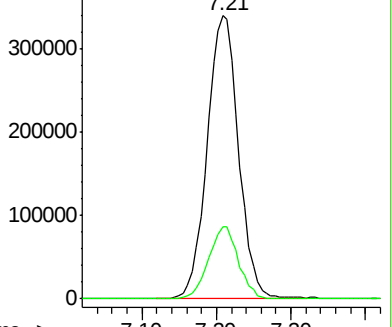
77 100

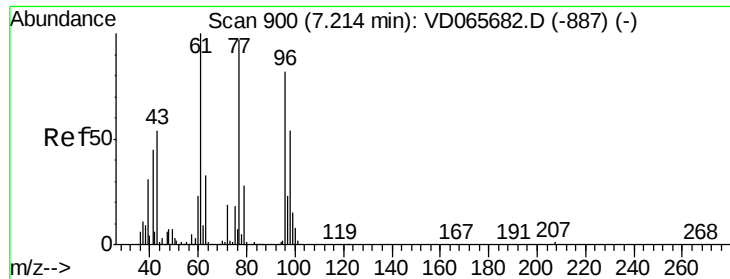
97 24.4 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



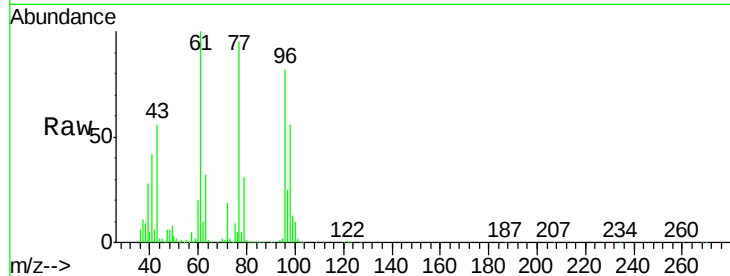


#27

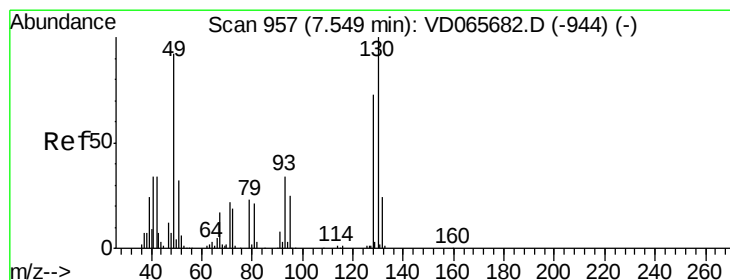
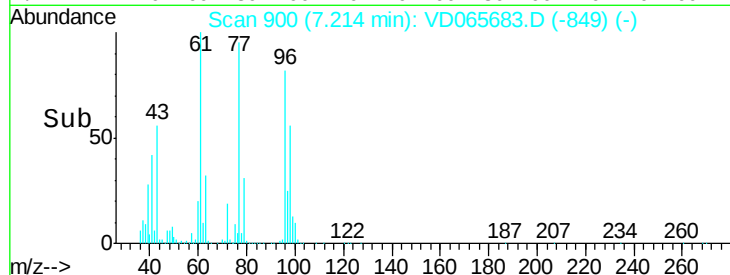
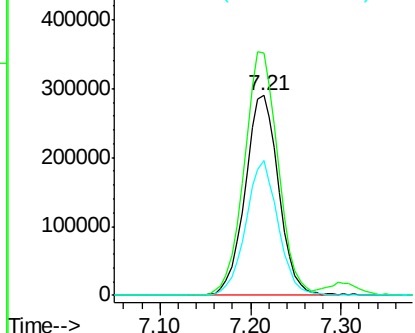
cis-1,2-Dichloroethene
 Concen: 98.039 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	0.0	250.8
98	65.0	0.0	129.8



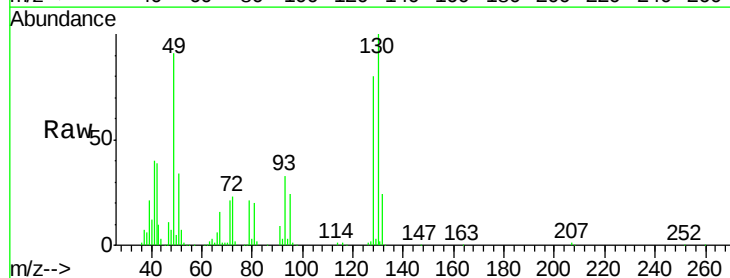
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



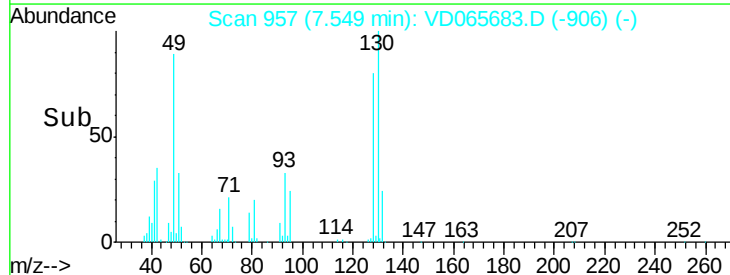
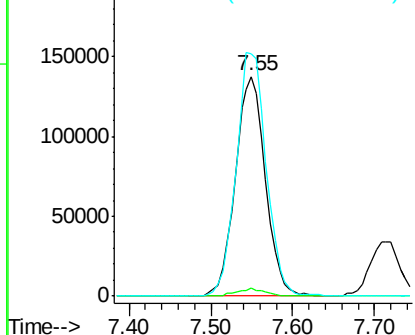
#28

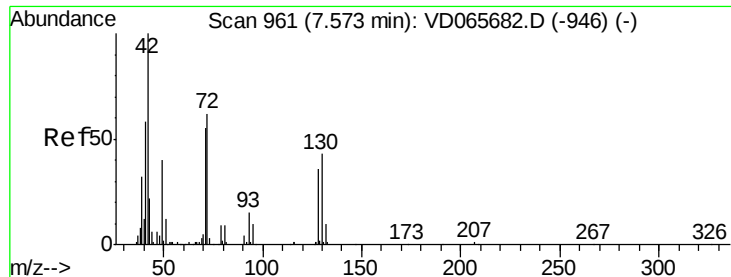
Bromochloromethane
 Concen: 82.174 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	6.8
130	111.4	86.4	129.6



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

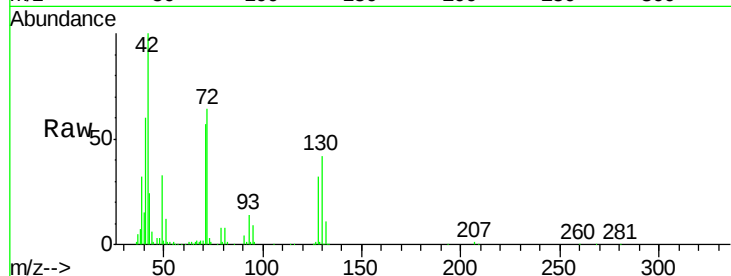




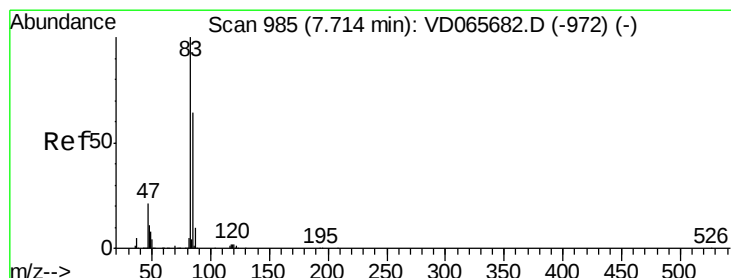
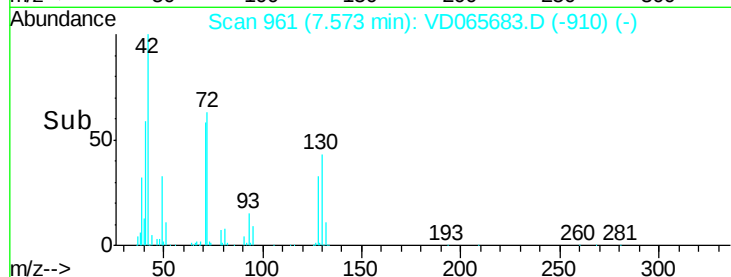
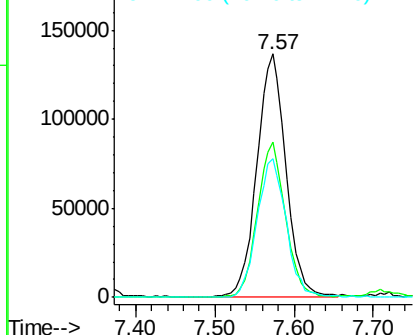
#29
Tetrahydrofuran
Concen: 526.005 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 349671
Ion Ratio Lower Upper
42 100
72 61.3 47.9 71.9
71 57.0 45.4 68.0

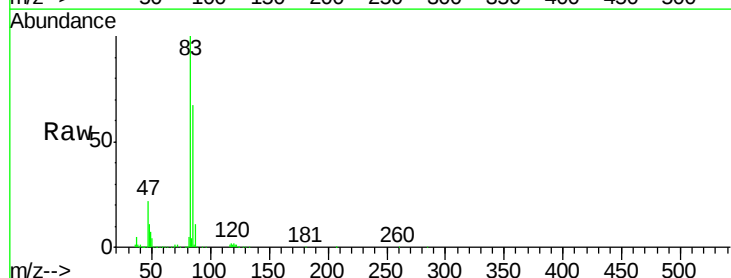


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

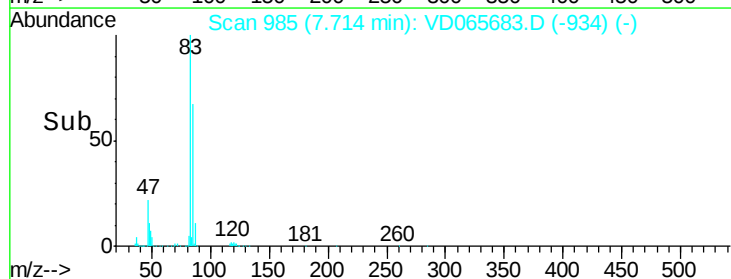
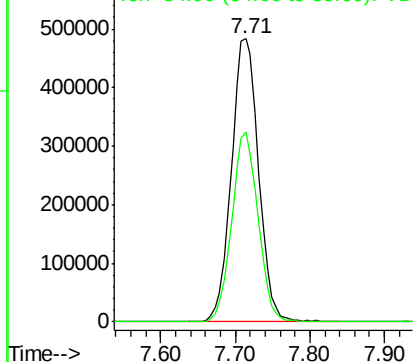


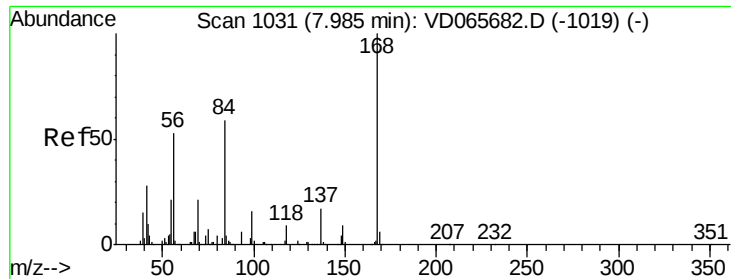
#30
Chloroform
Concen: 87.478 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 83 Resp: 1220668
Ion Ratio Lower Upper
83 100
85 67.1 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

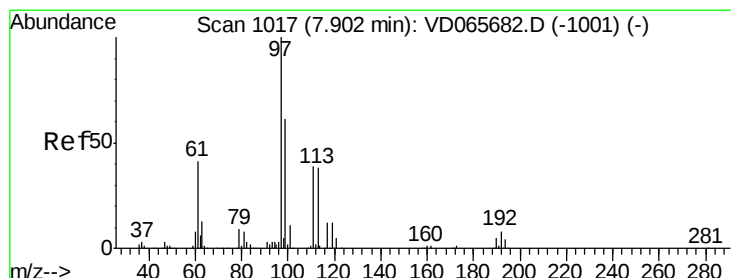
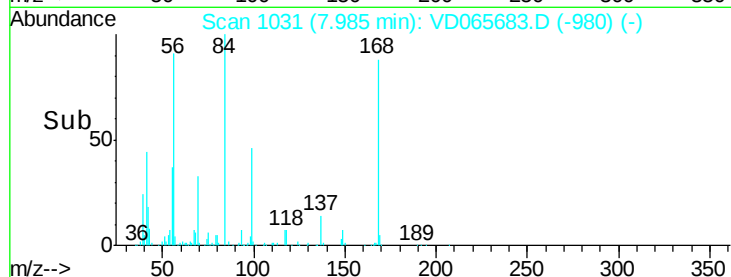
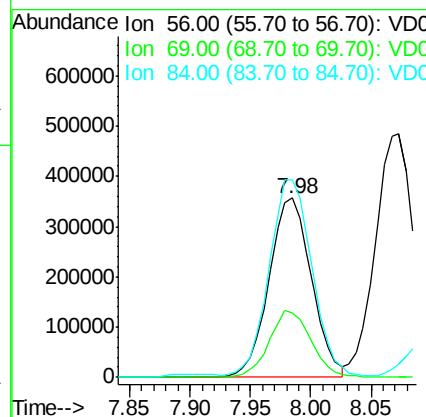
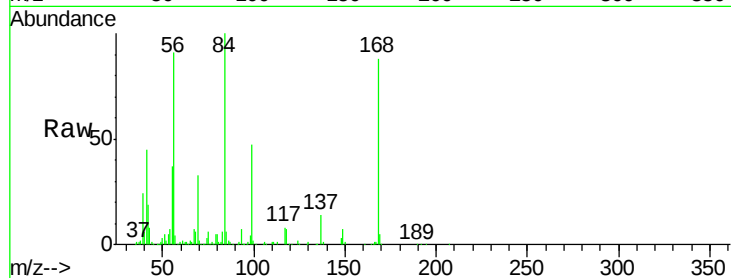




#31
Cyclohexane
Concen: 88.793 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

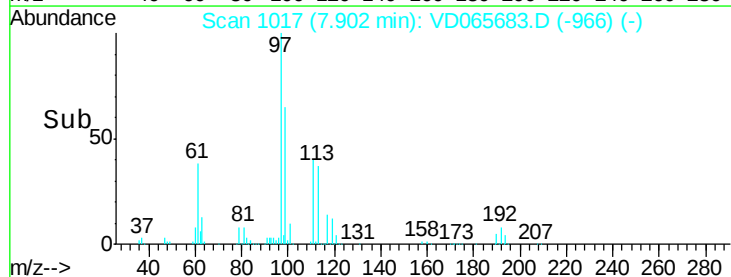
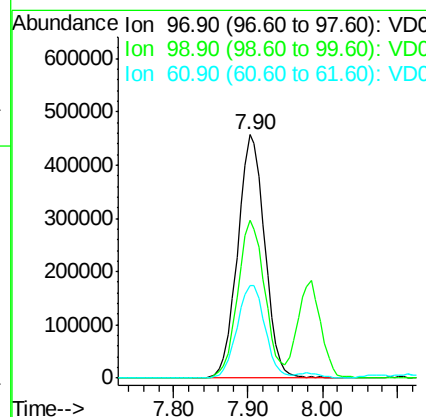
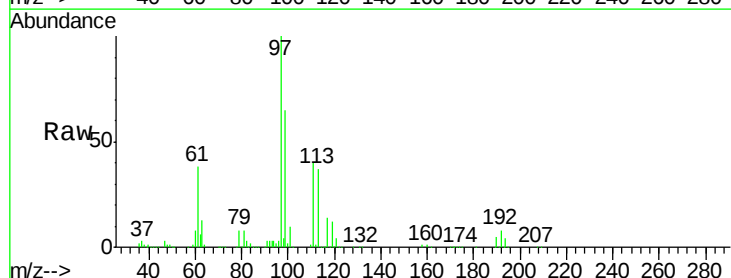
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

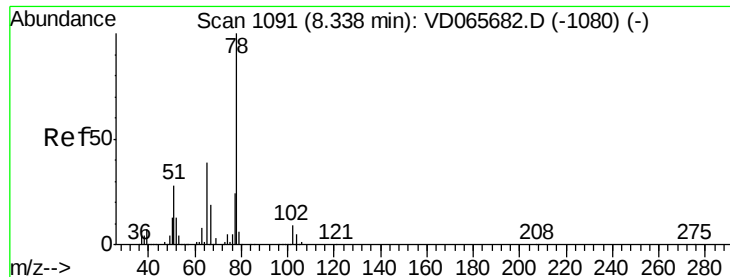
Tot Ion: 56 Resp: 867378
Ion Ratio Lower Upper
56 100
69 36.2 31.1 46.7
84 108.2 88.9 133.3



#32
1,1,1-Trichloroethane
Concen: 89.295 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 97 Resp: 1151686
Ion Ratio Lower Upper
97 100
99 65.0 50.7 76.1
61 39.4 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 88.893 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

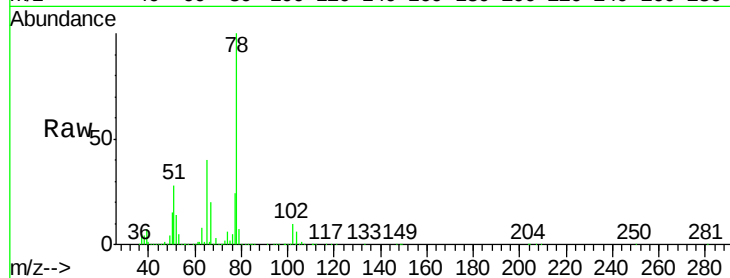
VSTDIC100

Tot Ion: 65 Resp: 619161

Ion Ratio Lower Upper

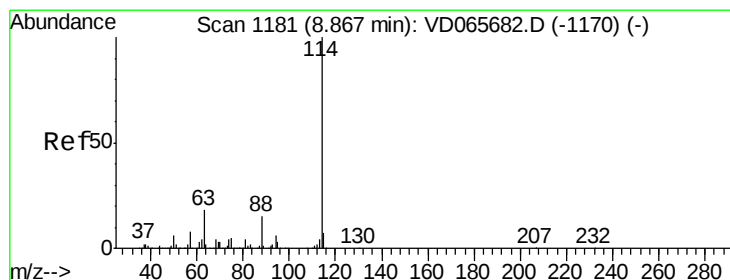
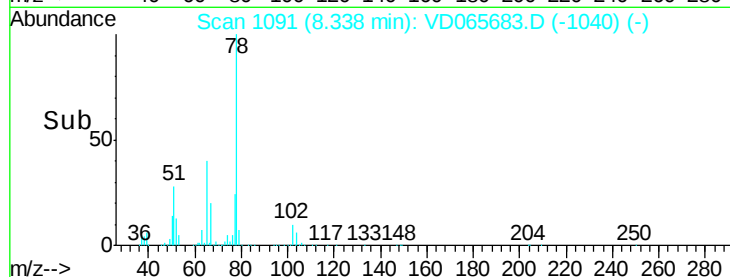
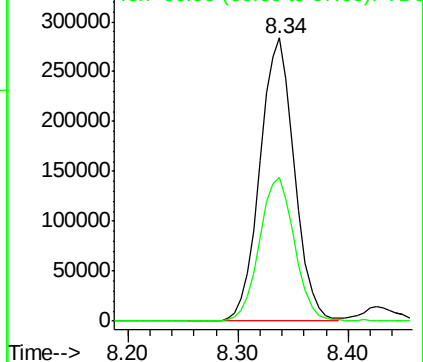
65 100

67 51.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

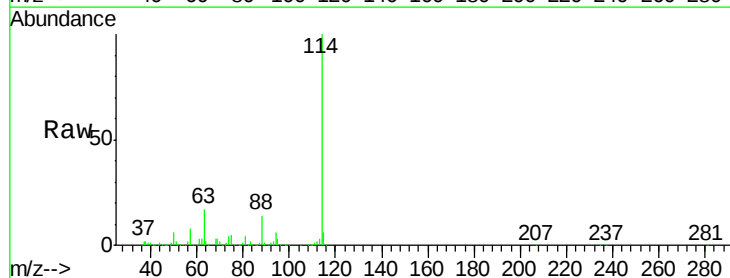
Tgt Ion: 114 Resp: 1048456

Ion Ratio Lower Upper

114 100

63 16.9 0.0 36.8

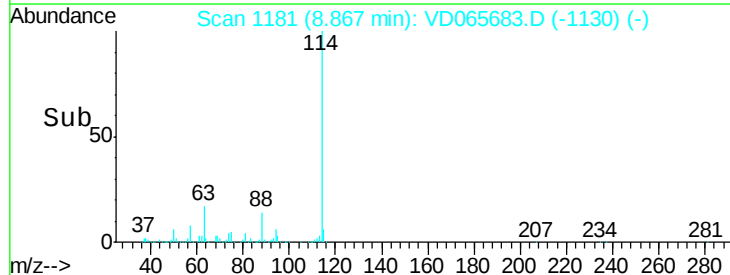
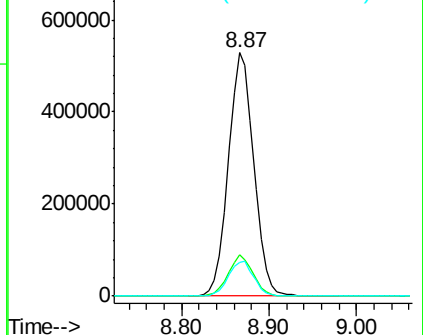
88 14.0 0.0 29.6

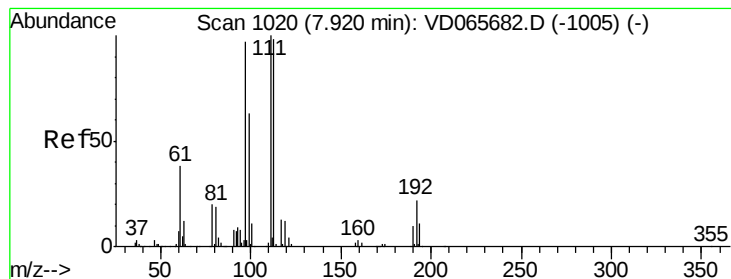


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 97.395 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

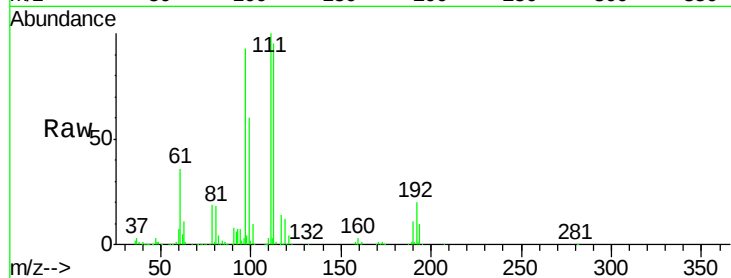
Tot Ion:113 Resp: 698686

Ion Ratio Lower Upper

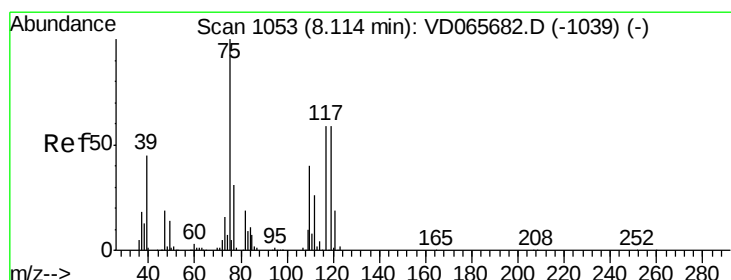
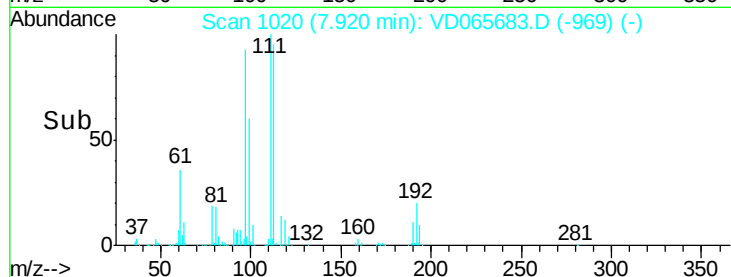
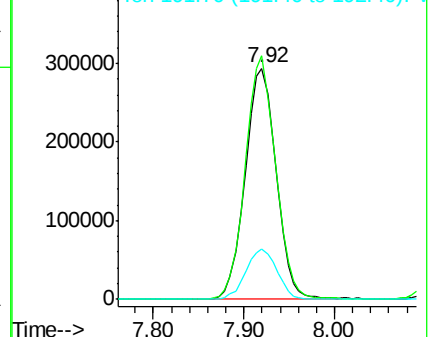
113 100

111 103.3 83.3 124.9

192 21.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 101.386 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

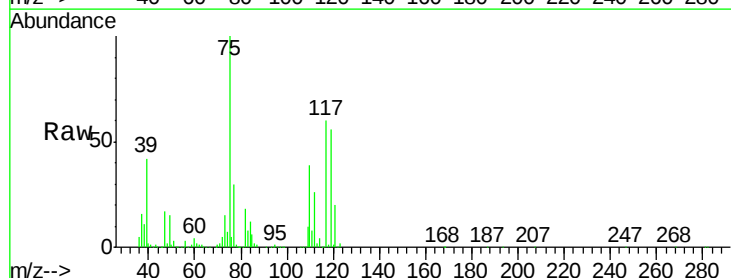
Tgt Ion: 75 Resp: 939028

Ion Ratio Lower Upper

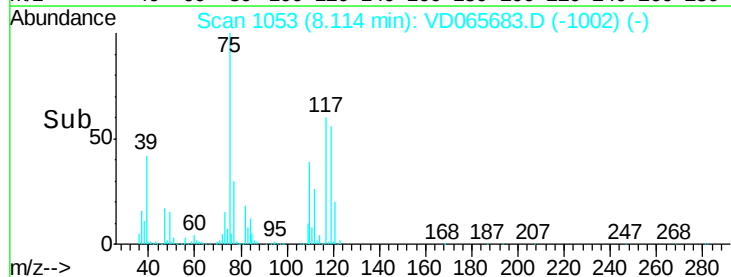
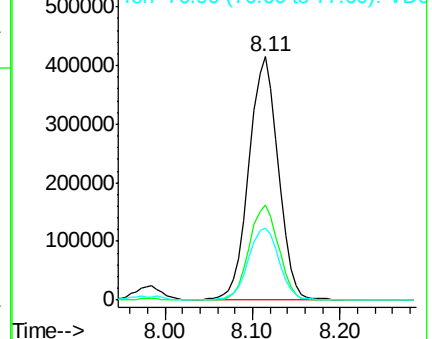
75 100

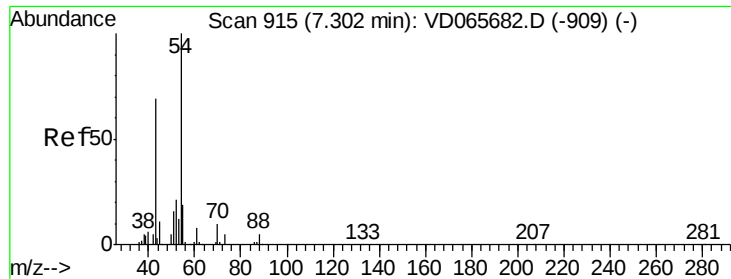
110 39.3 20.0 60.0

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

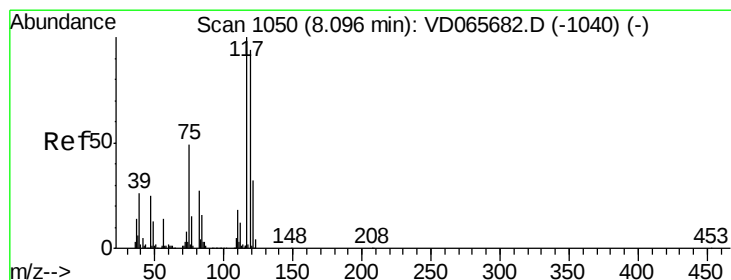
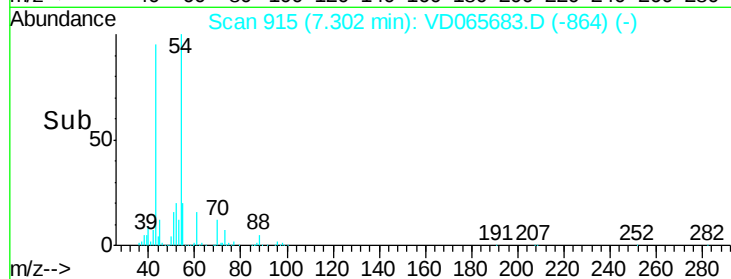
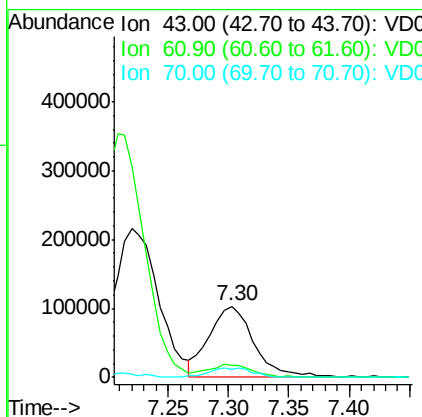
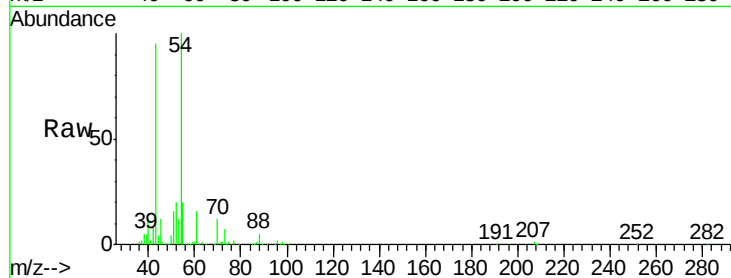




#37
Ethyl Acetate
Concen: 104.150 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

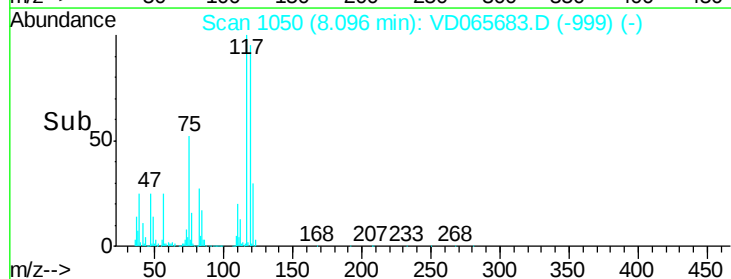
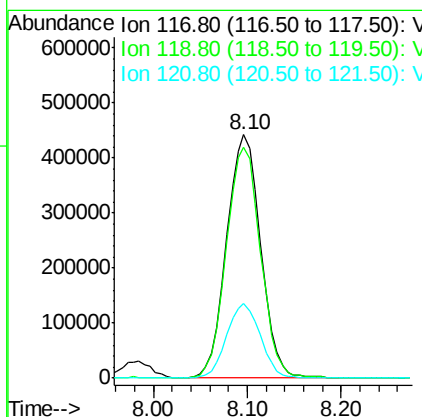
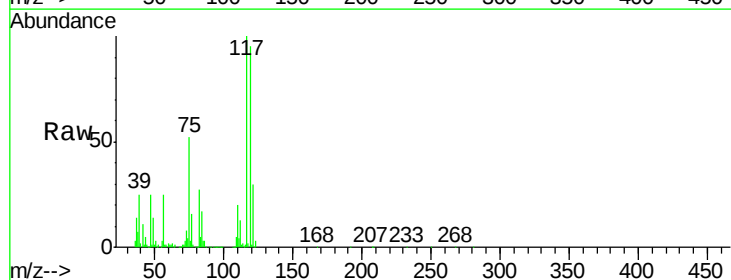
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

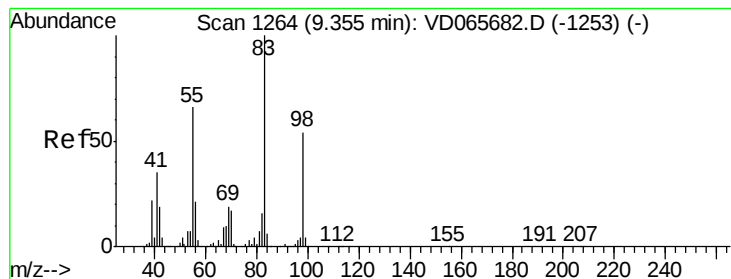
Tot Ion: 43 Resp: 259671
Ion Ratio Lower Upper
43 100
61 17.2 13.0 19.4
70 13.1 9.8 14.6



#38
Carbon Tetrachloride
Concen: 94.751 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 117 Resp: 1108712
Ion Ratio Lower Upper
117 100
119 94.8 75.4 113.2
121 30.4 25.3 37.9





#39

Methvlcvclohexane

Concen: 119.034 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

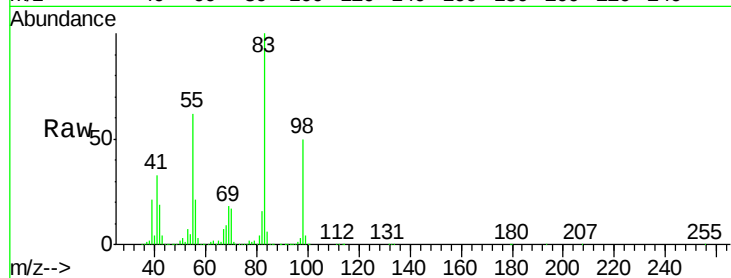
Tot Ion: 83 Resp: 1168543

Ion Ratio Lower Upper

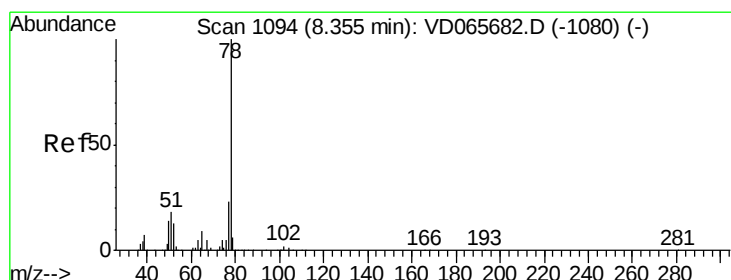
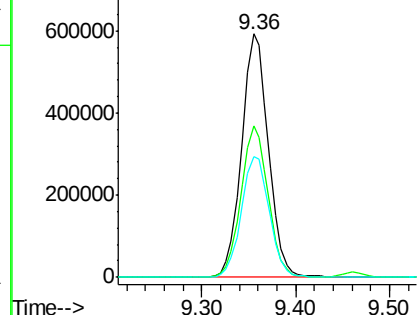
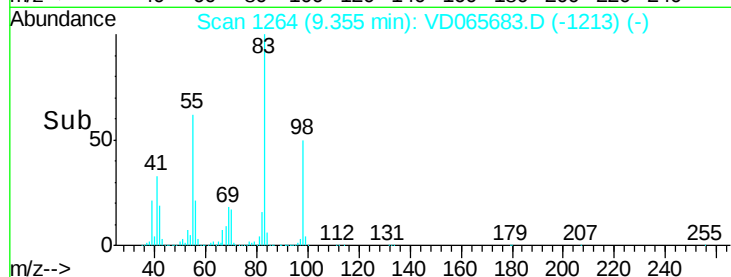
83 100

55 62.0 52.6 79.0

98 49.8 43.0 64.4



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 100.644 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD065683.D

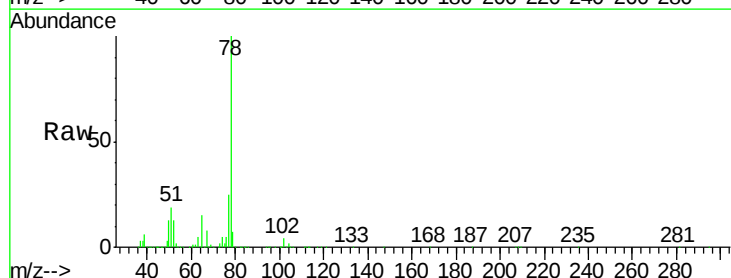
Acq: 29 Apr 2020 15:27

Tgt Ion: 78 Resp: 2635454

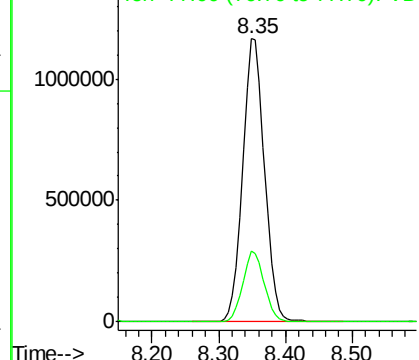
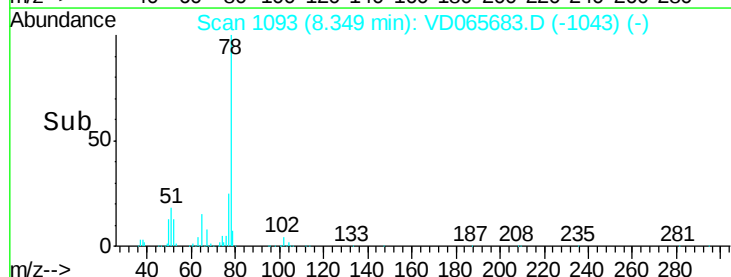
Ion Ratio Lower Upper

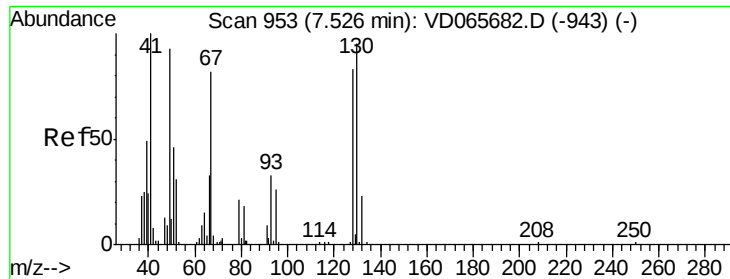
78 100

77 24.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

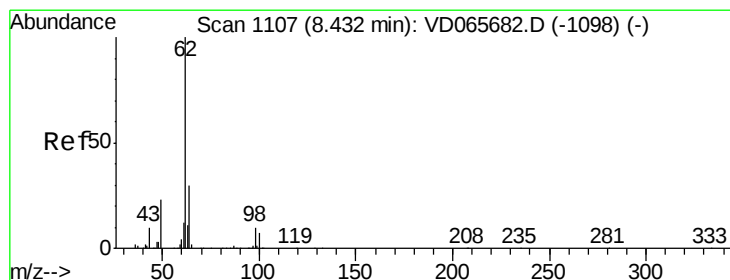
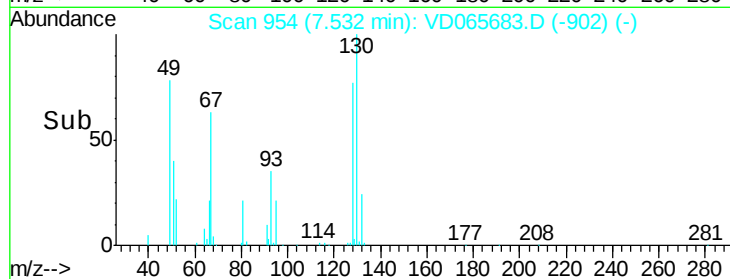
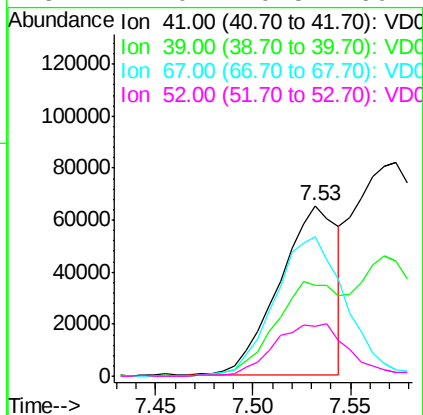
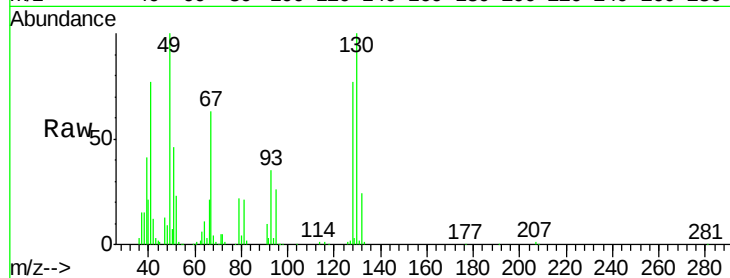




#41
Methacrylonitrile
Concen: 87.250 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

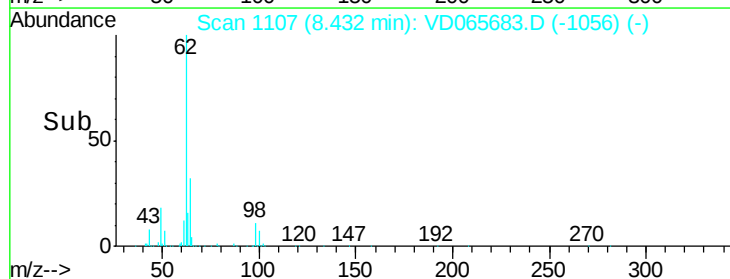
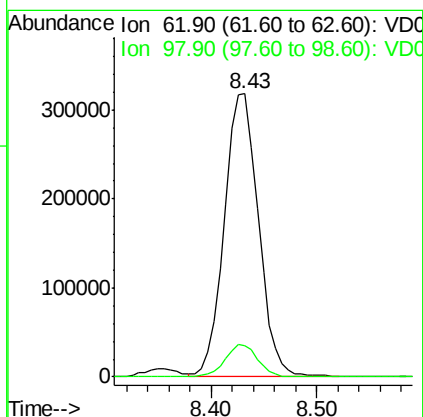
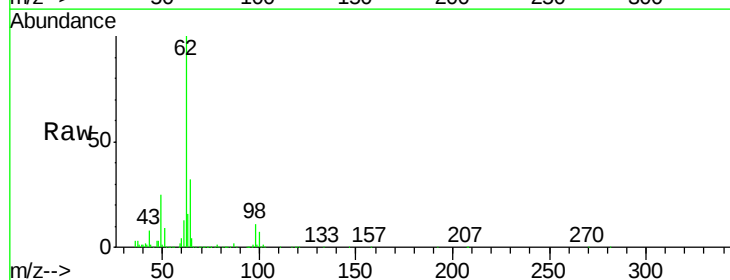
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

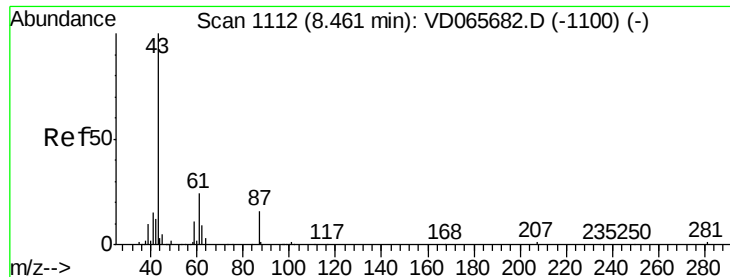
Tot Ion: 41 Resp: 135128
Ion Ratio Lower Upper
41 100
39 59.3 0.0 0.0#
67 101.6 93.6 140.4
52 41.0 40.5 60.7



#42
1,2-Dichloroethane
Concen: 93.841 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 62 Resp: 710252
Ion Ratio Lower Upper
62 100
98 11.1 0.0 21.2





#43

Isopropyl Acetate

Concen: 104.358 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

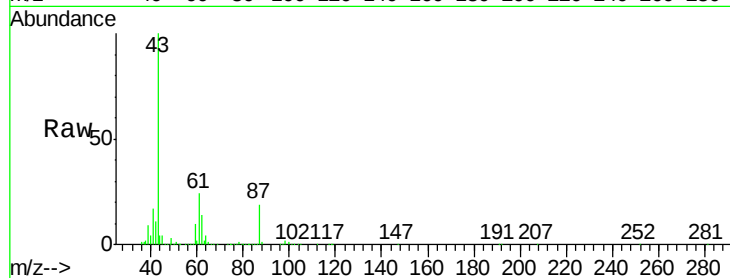
Tot Ion: 43 Resp: 488877

Ion Ratio Lower Upper

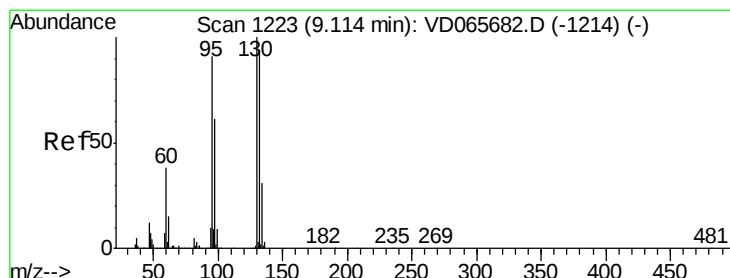
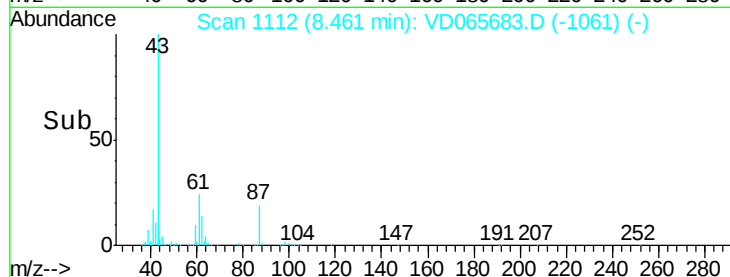
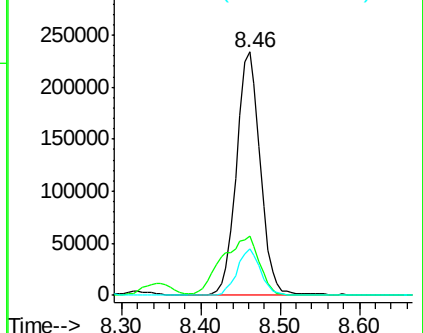
43 100

61 37.6 30.2 45.2

87 18.6 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 96.952 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065683.D

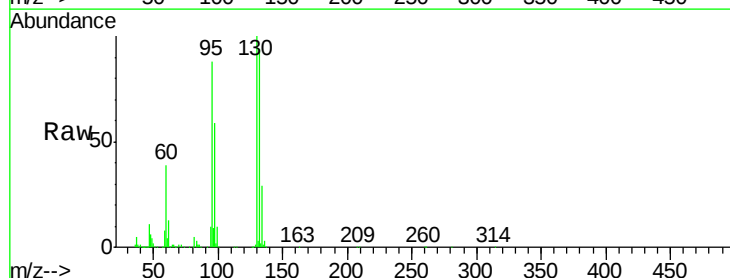
Acq: 29 Apr 2020 15:27

Tgt Ion:130 Resp: 784398

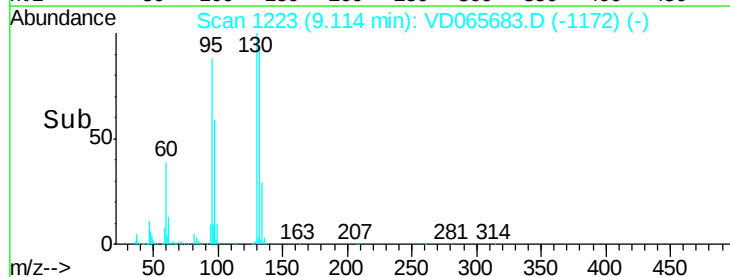
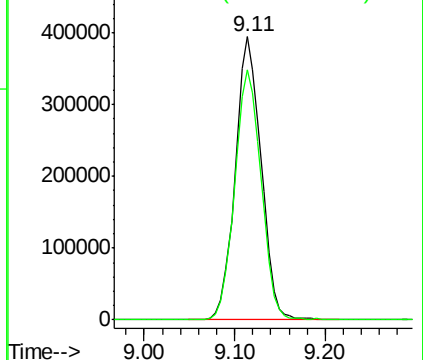
Ion Ratio Lower Upper

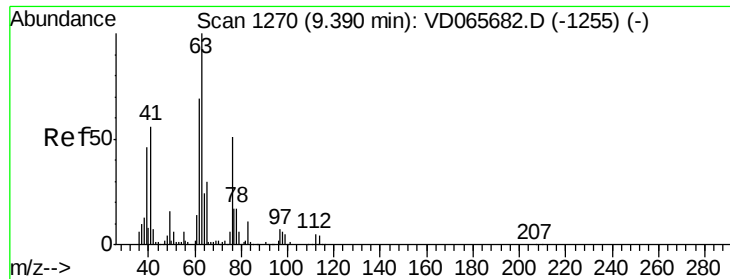
130 100

95 88.2 0.0 183.0



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





#45

1,2-Dichloropropane

Concen: 96.832 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

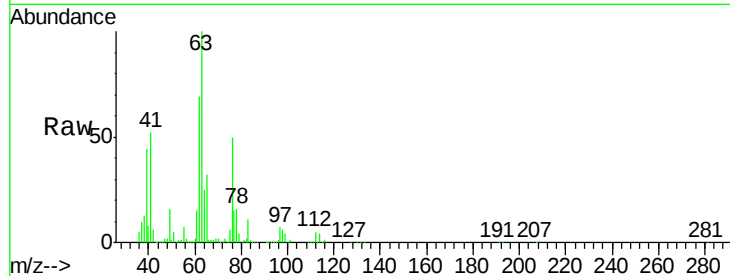
VSTDIC100

Tot Ion: 63 Resp: 573216

Ion Ratio Lower Upper

63 100

65 31.7 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

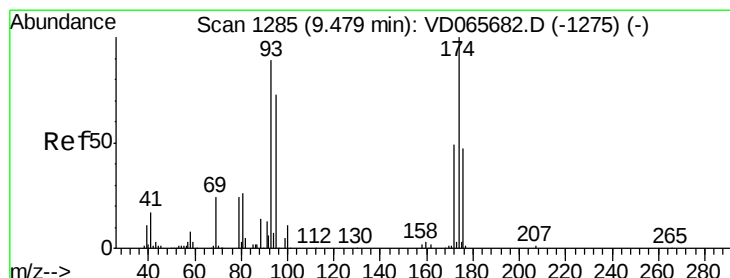
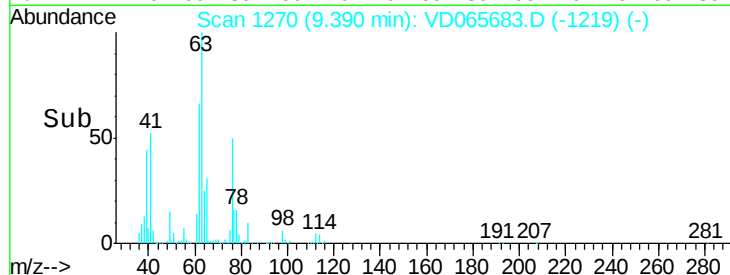
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 99.975 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

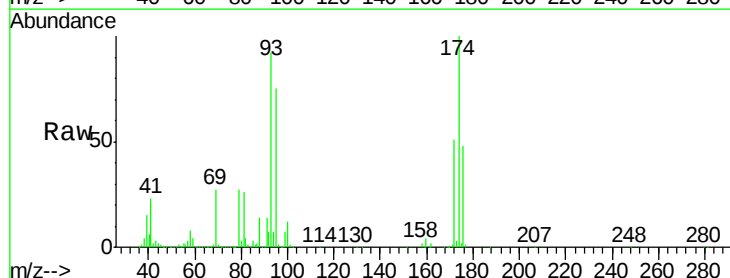
Tgt Ion: 93 Resp: 383196

Ion Ratio Lower Upper

93 100

95 80.7 65.7 98.5

174 112.3 87.3 130.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

300000

250000

200000

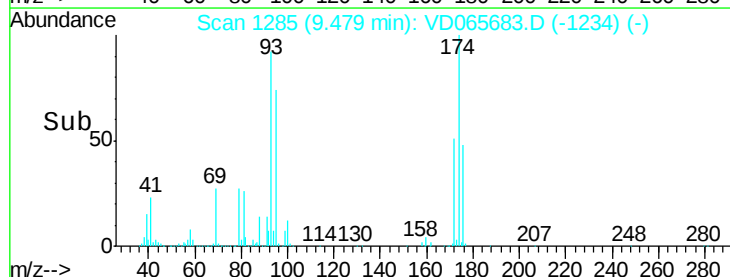
150000

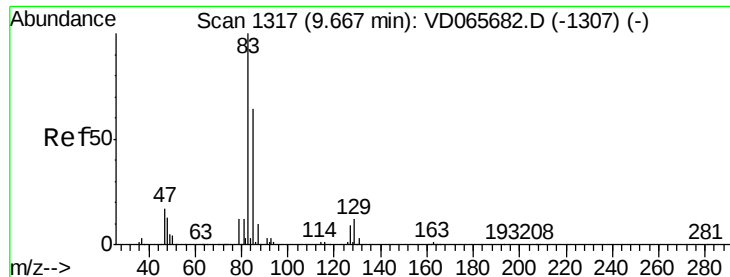
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 95.266 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

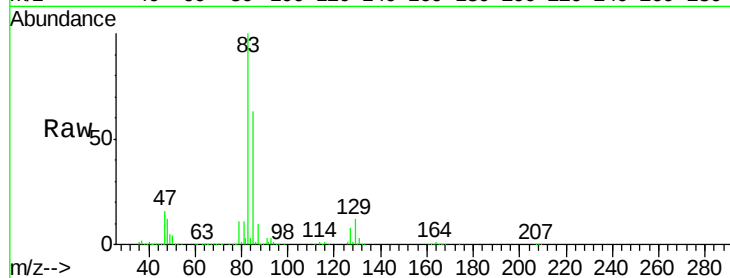
Tot Ion: 83 Resp: 965274

Ion Ratio Lower Upper

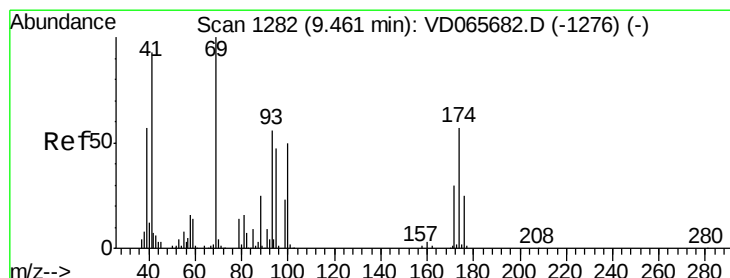
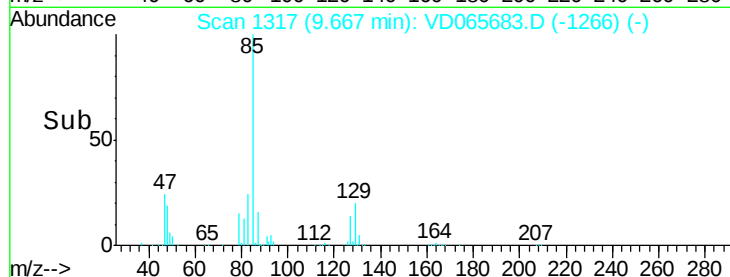
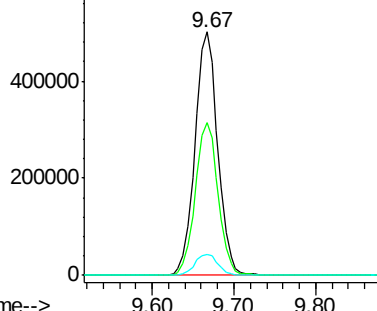
83 100

85 63.0 51.1 76.7

127 8.5 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): VDC



#48

Methyl methacrylate

Concen: 112.126 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

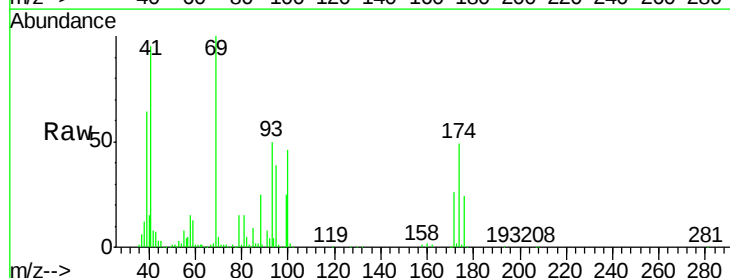
Tgt Ion: 41 Resp: 229986

Ion Ratio Lower Upper

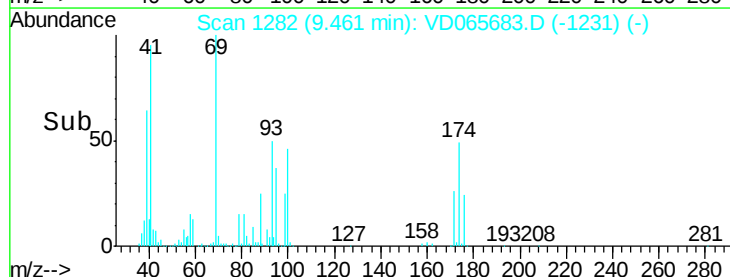
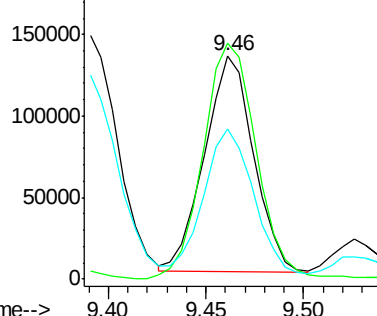
41 100

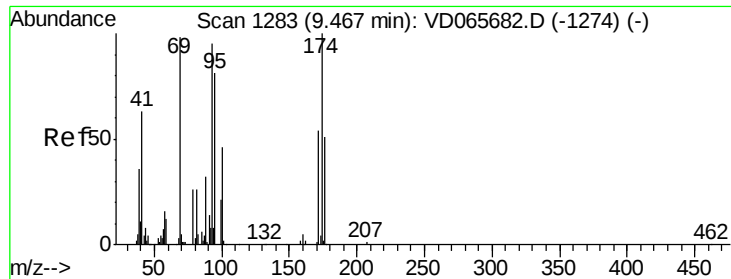
69 118.3 92.3 138.5

39 66.8 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

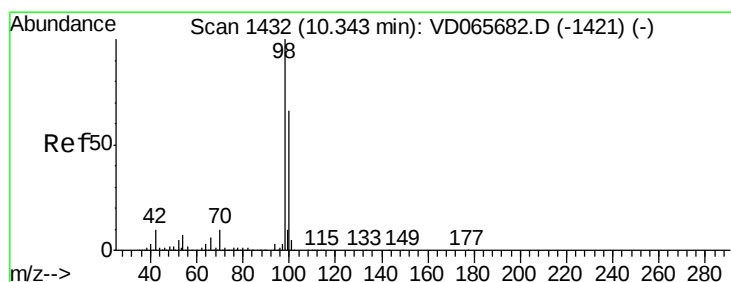
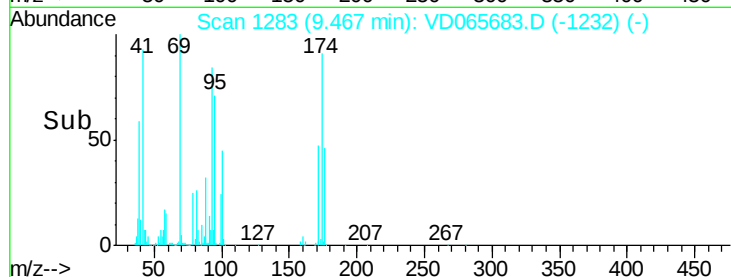
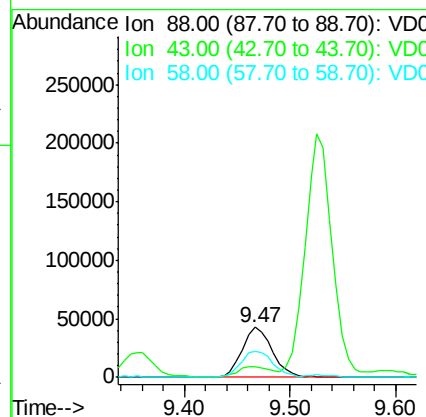
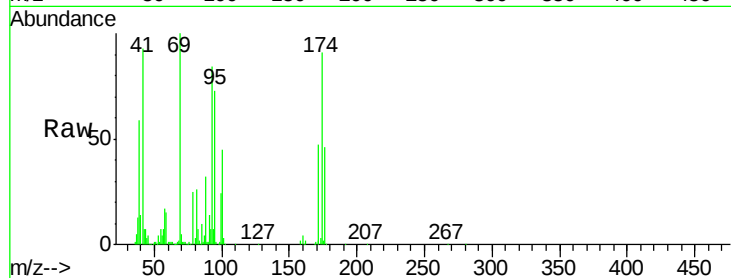




#49
 1,4-Dioxane
 Concen: 2289.991 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

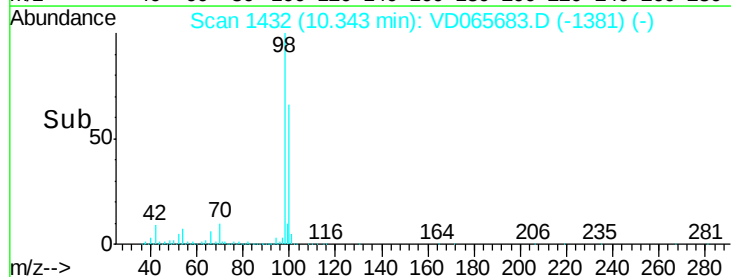
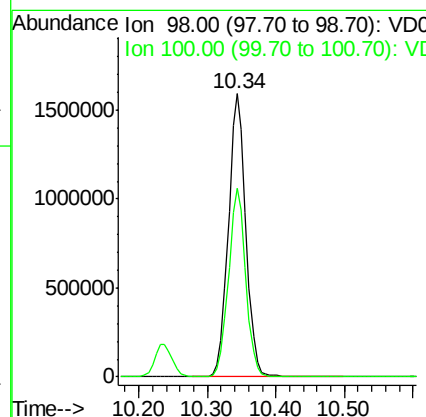
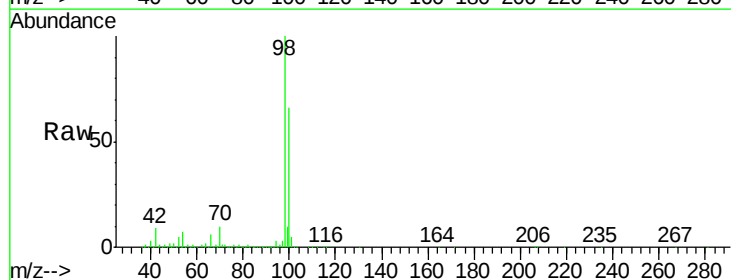
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

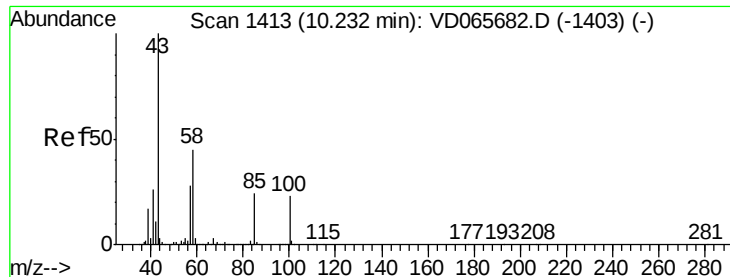
Tot Ion: 88 Resp: 85790
 Ion Ratio Lower Upper
 88 100
 43 24.1 22.2 33.4
 58 55.2 45.3 67.9



#50
 Toluene-d8
 Concen: 114.043 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 98 Resp: 2806256
 Ion Ratio Lower Upper
 98 100
 100 66.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 568.067 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

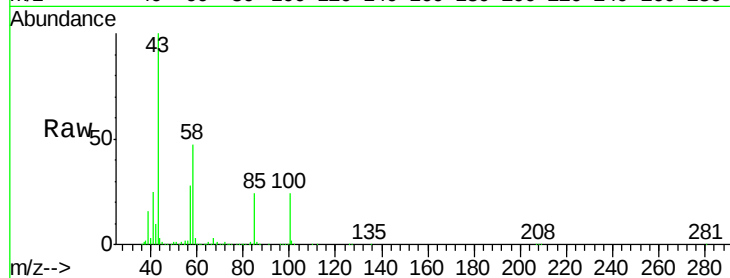
VSTDIC100

Tot Ion: 43 Resp: 1348690

Ion Ratio Lower Upper

43 100

58 46.6 36.0 54.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

800000

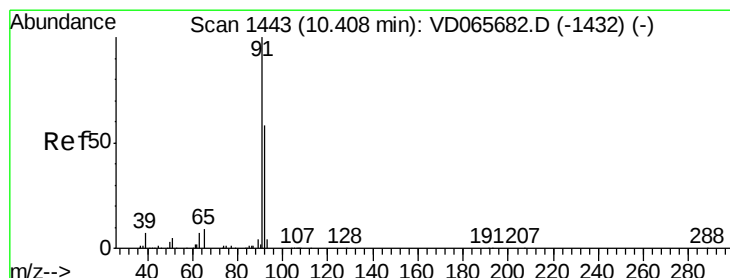
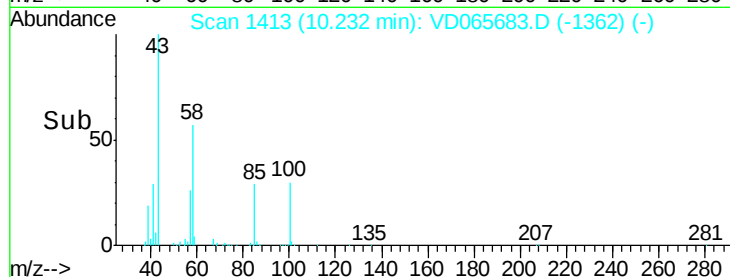
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 112.358 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065683.D

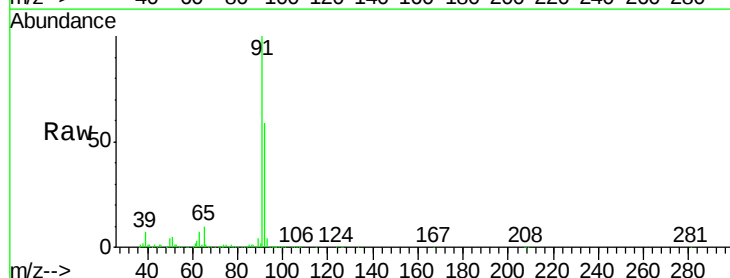
Acq: 29 Apr 2020 15:27

Tgt Ion: 92 Resp: 1925836

Ion Ratio Lower Upper

92 100

91 171.0 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

2000000

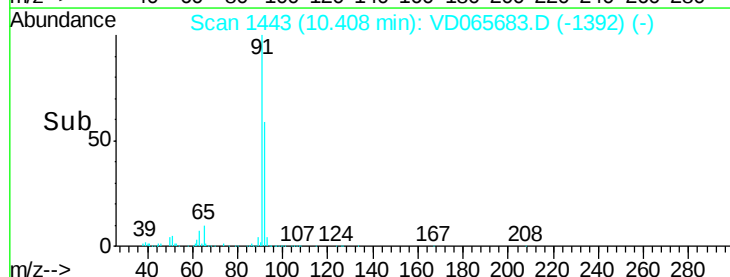
1500000

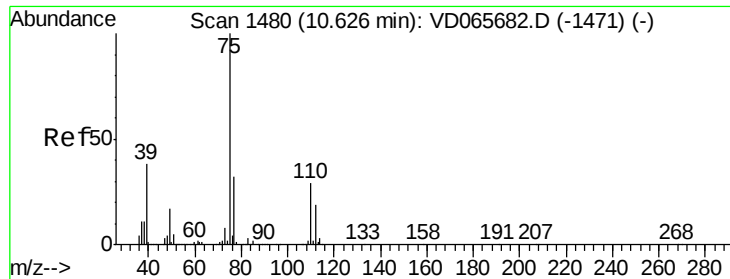
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 112.357 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

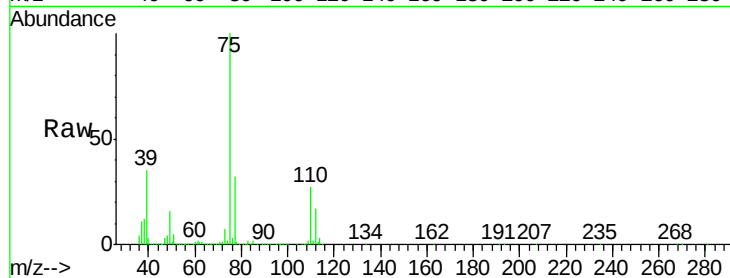
VSTDIC100

Tot Ion: 75 Resp: 881154

Ion Ratio Lower Upper

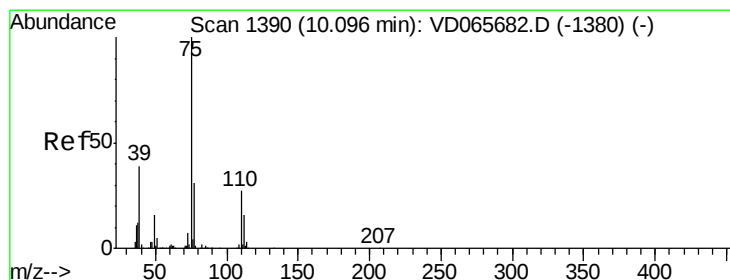
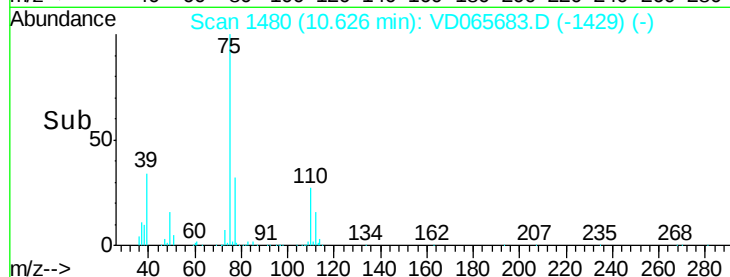
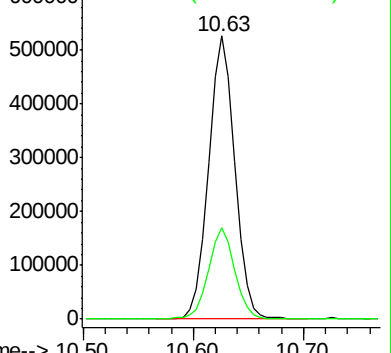
75 100

77 32.0 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 108.893 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

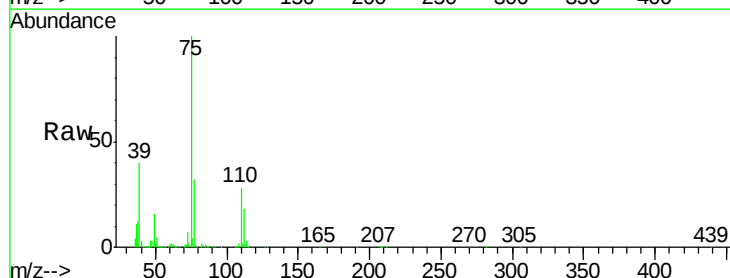
Tgt Ion: 75 Resp: 1021040

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7

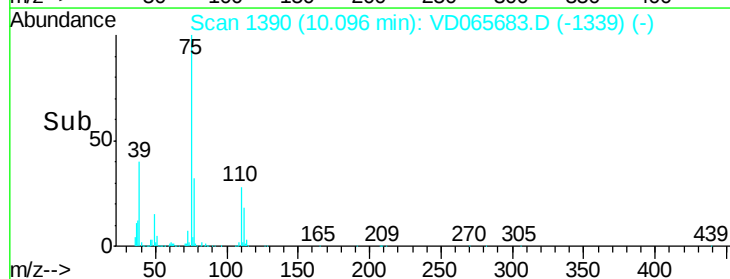
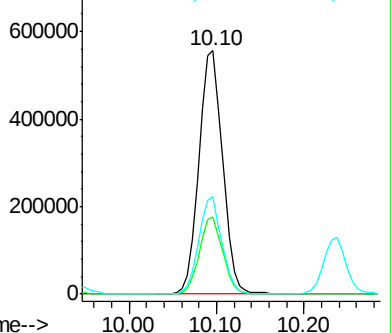
39 39.7 31.2 46.8

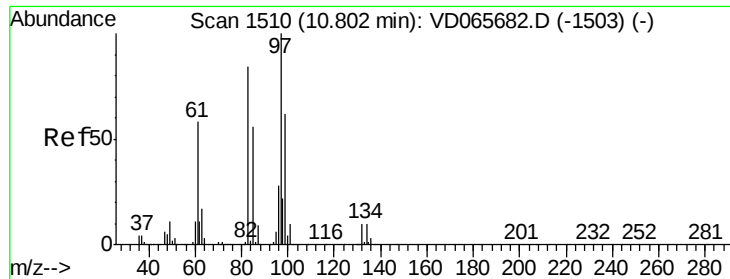


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

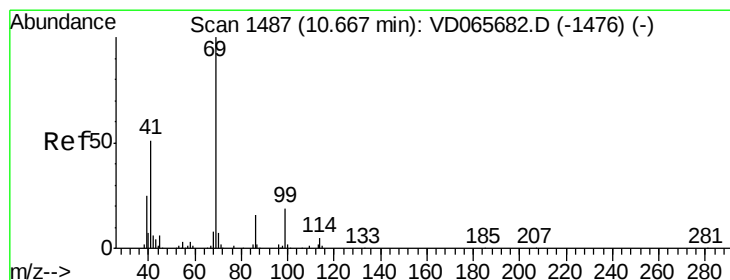
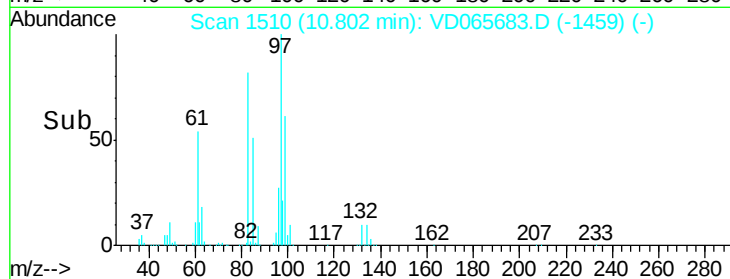
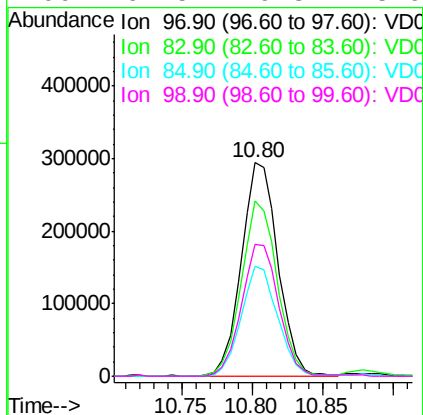
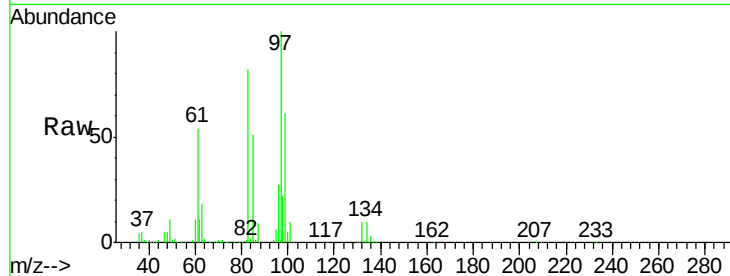




#55
 1,1,2-Trichloroethane
 Concen: 100.119 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

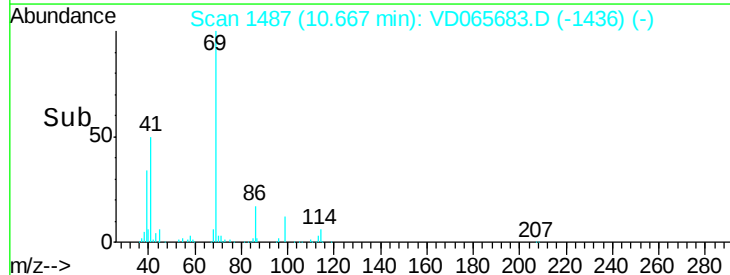
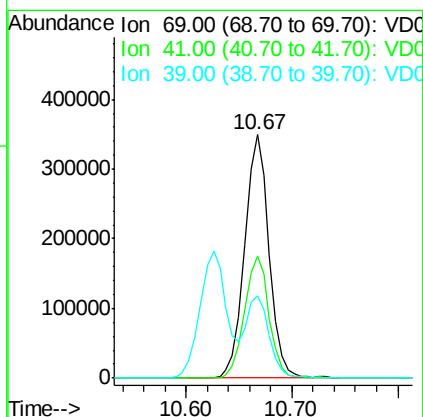
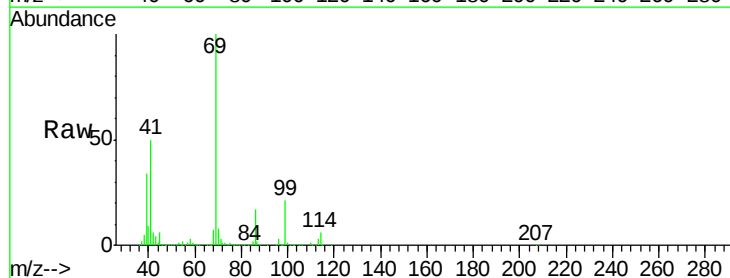
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

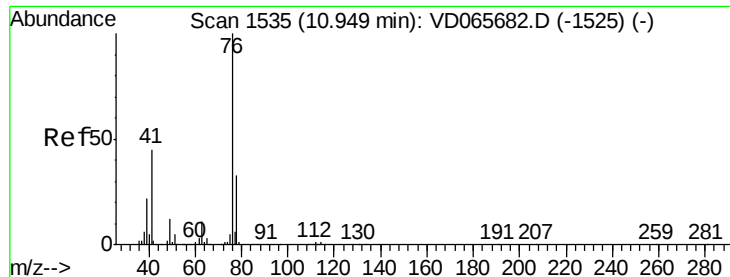
Tot Ion:	97	Resp:	533440
Ion	Ratio	Lower	Upper
97	100		
83	82.2	66.8	100.2
85	51.4	44.4	66.6
99	61.5	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 138.187 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion:	69	Resp:	559072
Ion	Ratio	Lower	Upper
69	100		
41	49.5	40.9	61.3
39	31.7	25.8	38.8





#57

1,3-Dichloropropane

Concen: 104.464 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

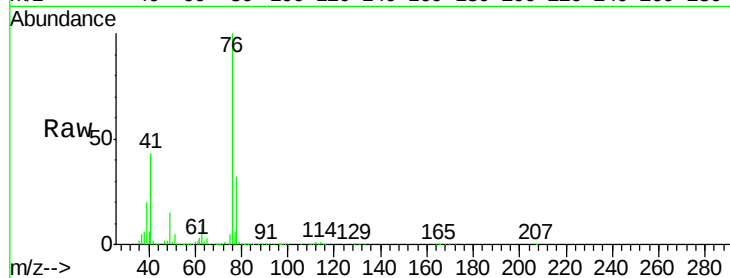
VSTDIC100

Tot Ion: 76 Resp: 834909

Ion Ratio Lower Upper

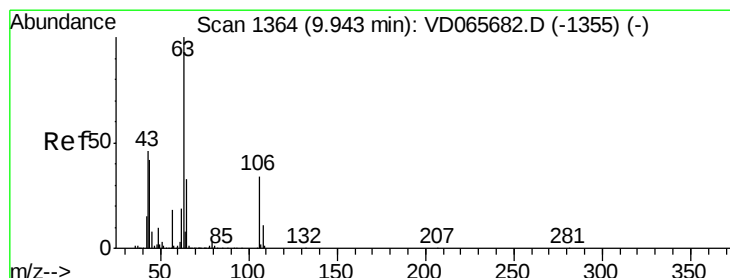
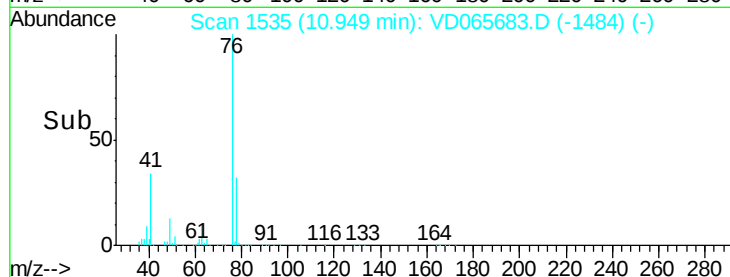
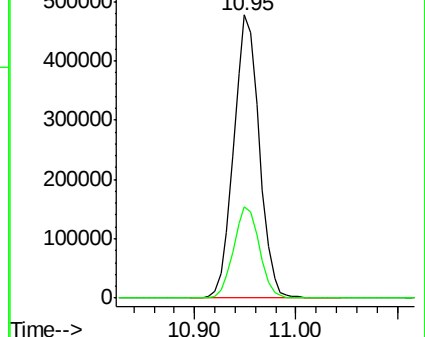
76 100

78 32.7 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: 601.510 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD065683.D

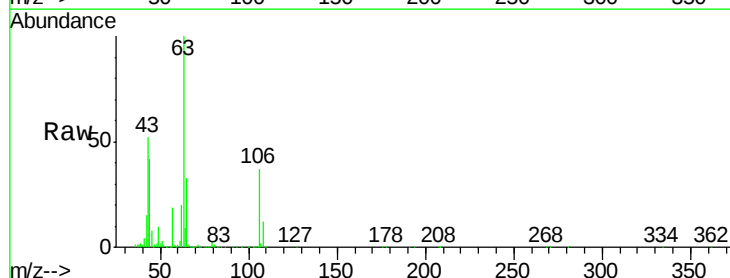
Acq: 29 Apr 2020 15:27

Tgt Ion: 63 Resp: 1230893

Ion Ratio Lower Upper

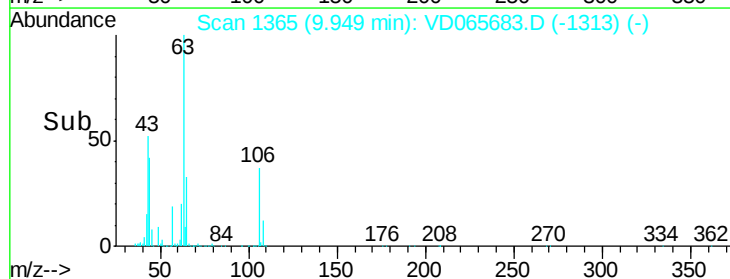
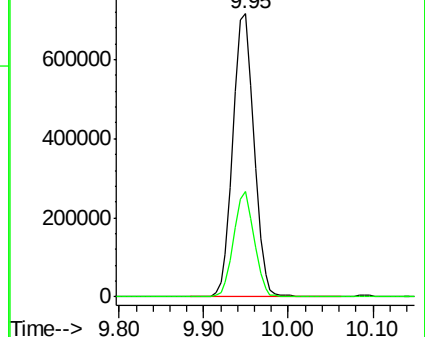
63 100

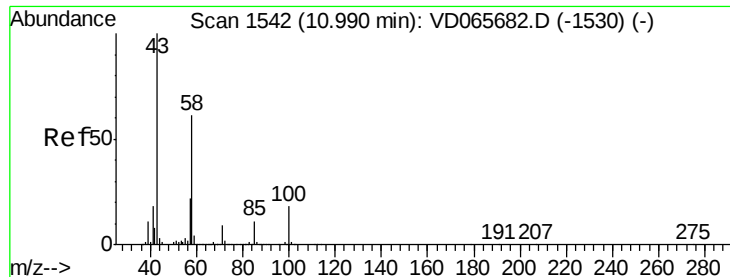
106 35.9 27.8 41.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

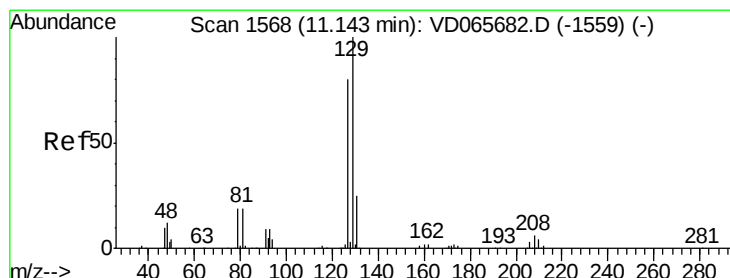
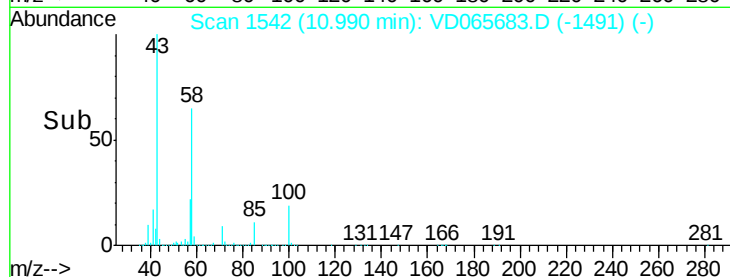
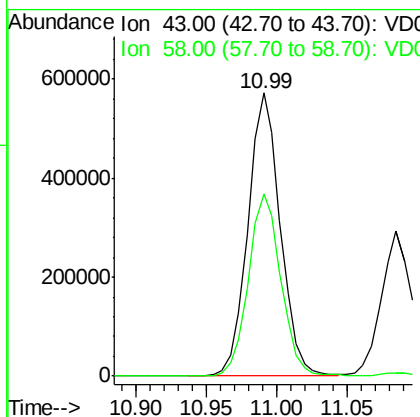
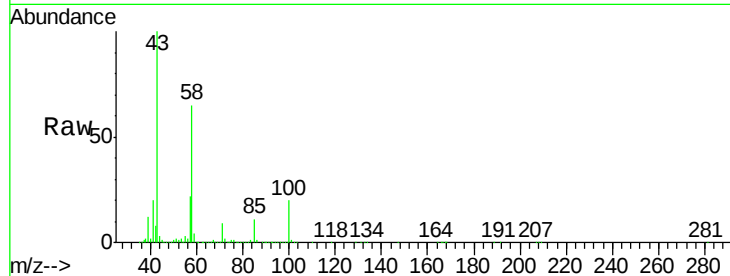




#59
2-Hexanone
Concen: 609.993 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

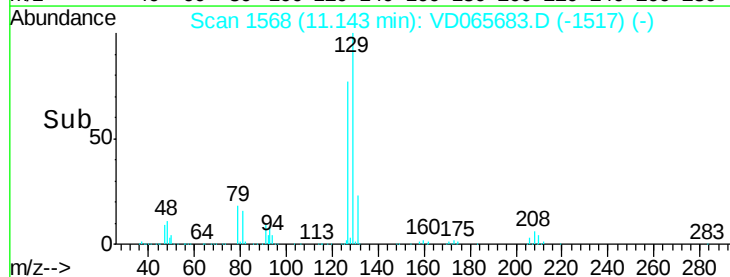
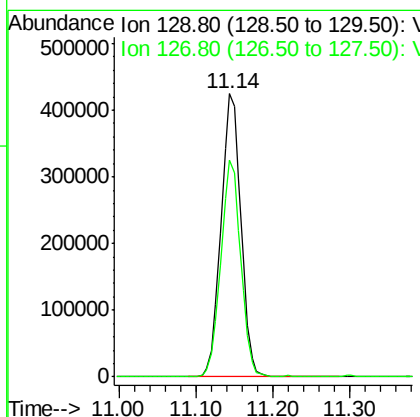
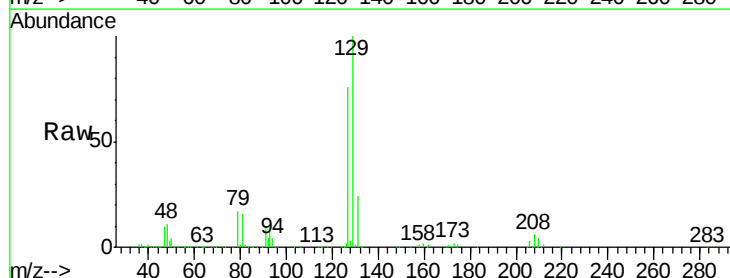
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

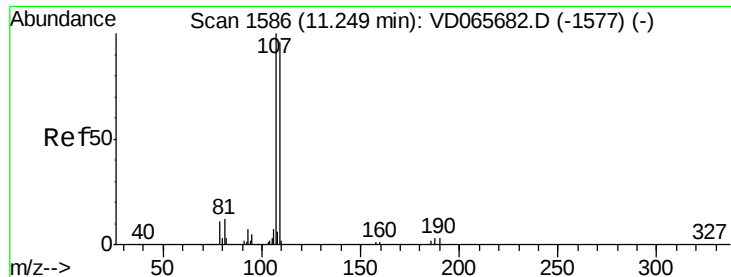
Tot Ion: 43 Resp: 919667
Ion Ratio Lower Upper
43 100
58 64.8 31.5 94.5



#60
Dibromochloromethane
Concen: 107.298 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 129 Resp: 760925
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5

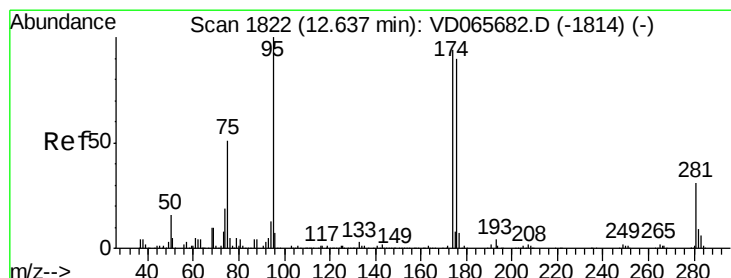
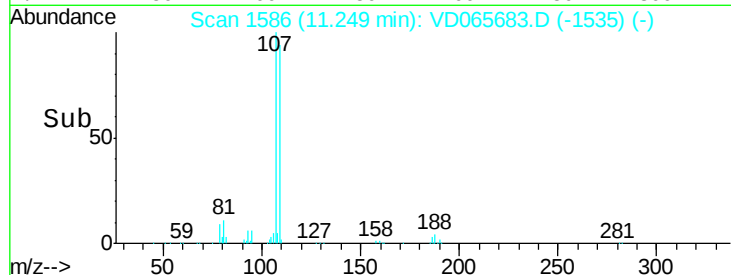
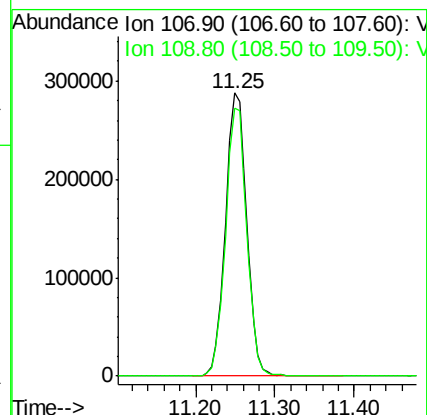
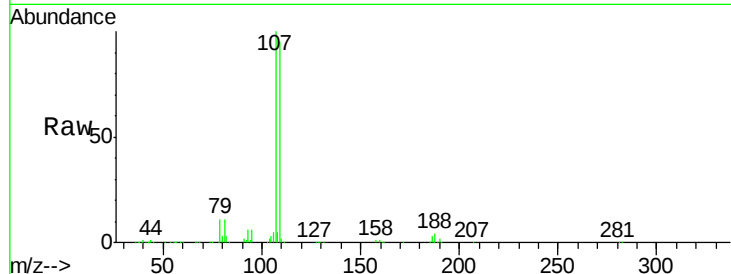




#61
 1,2-Dibromoethane
 Concen: 108.852 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

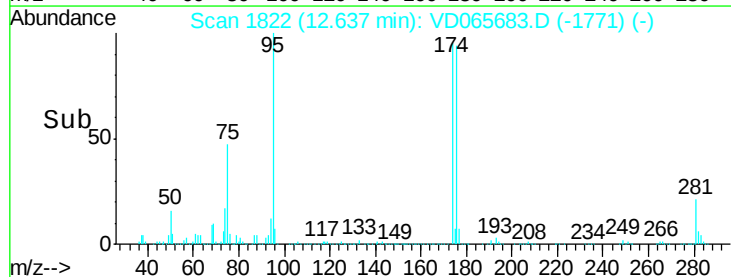
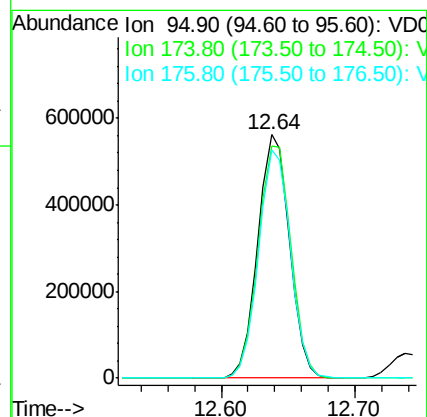
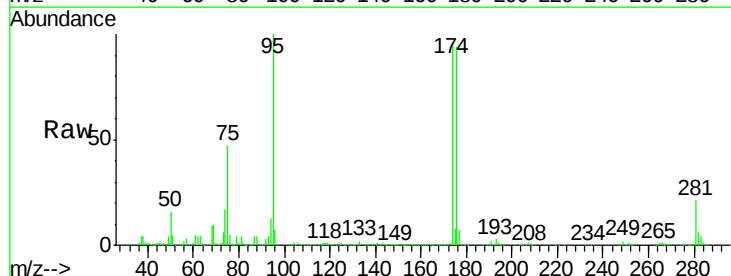
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

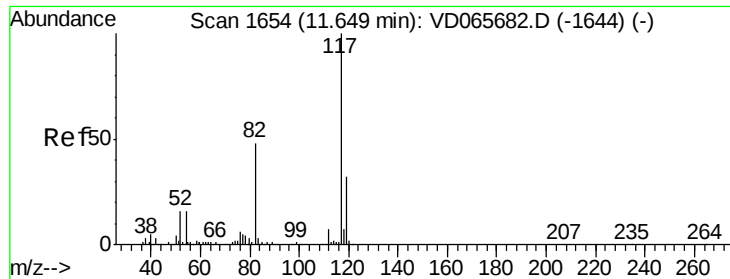
Tot Ion:107 Resp: 534225
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 115.746 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 95 Resp: 921016
 Ion Ratio Lower Upper
 95 100
 174 99.0 0.0 187.6
 176 94.4 0.0 181.4

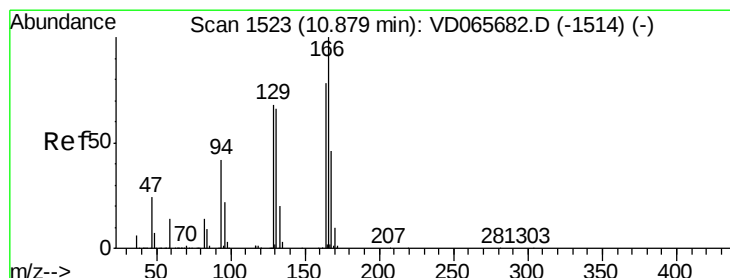
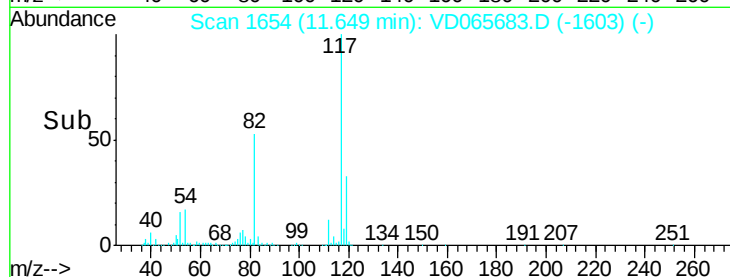
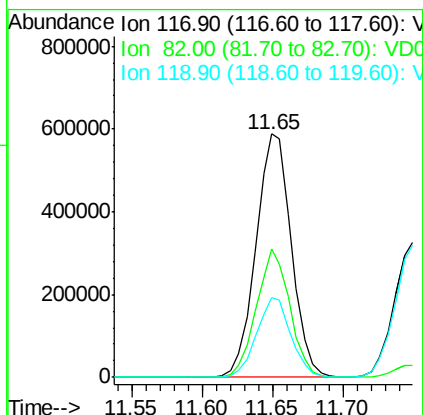
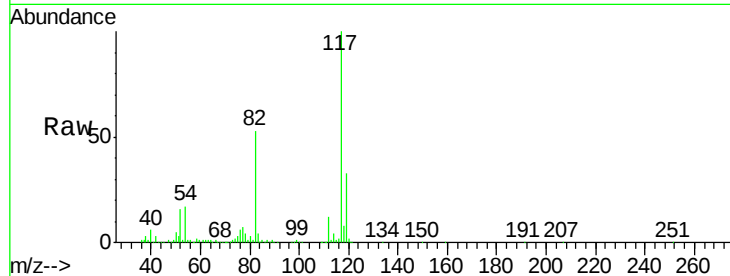




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

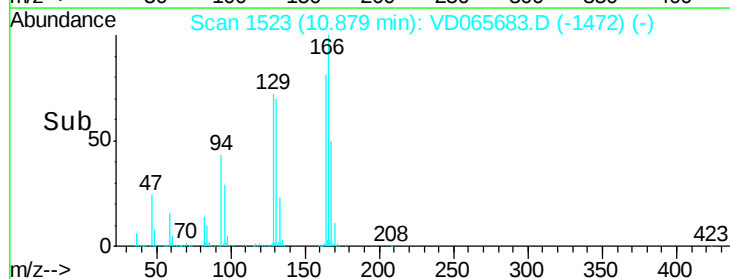
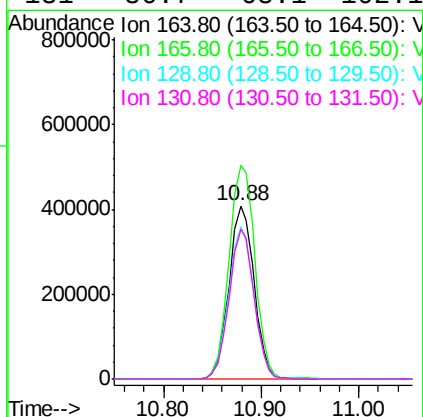
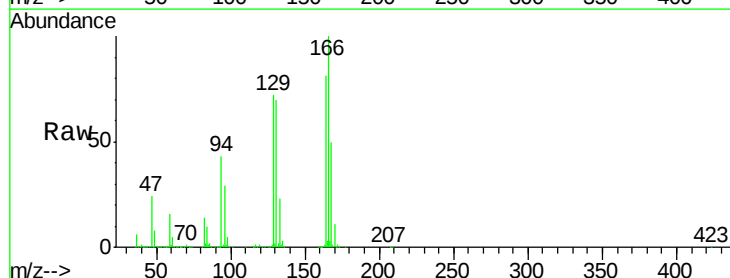
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

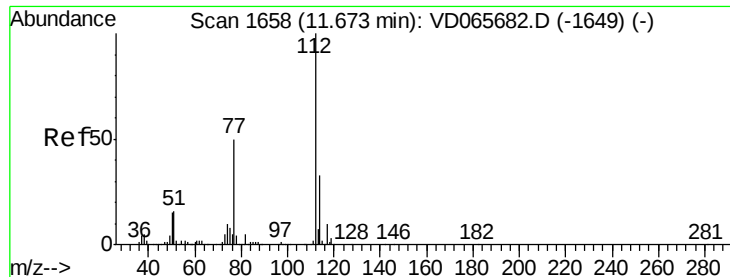
Tot Ion:117 Resp: 1034004
Ion Ratio Lower Upper
117 100
82 52.6 38.6 58.0
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 101.685 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion:164 Resp: 729898
Ion Ratio Lower Upper
164 100
166 123.3 102.7 154.1
129 88.2 69.9 104.9
131 86.7 68.1 102.1





#65

Chlorobenzene

Concen: 100.671 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

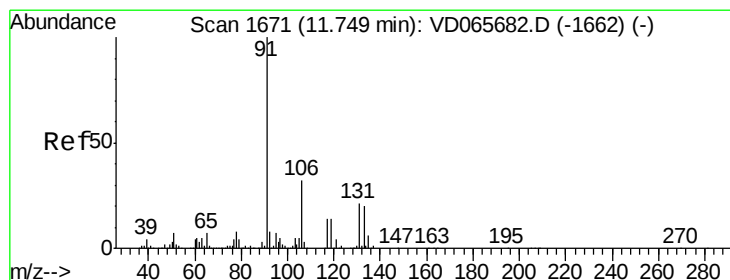
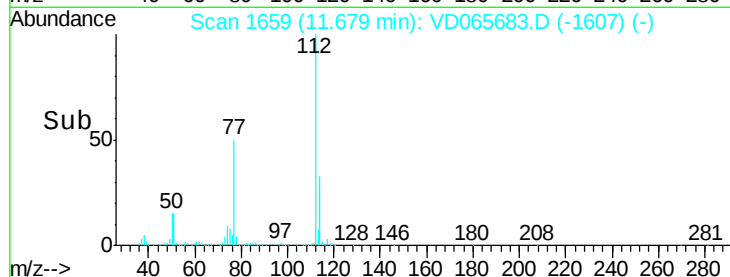
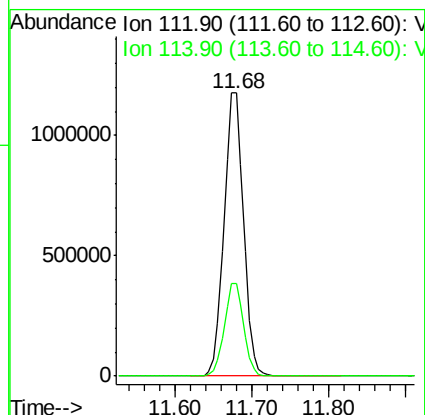
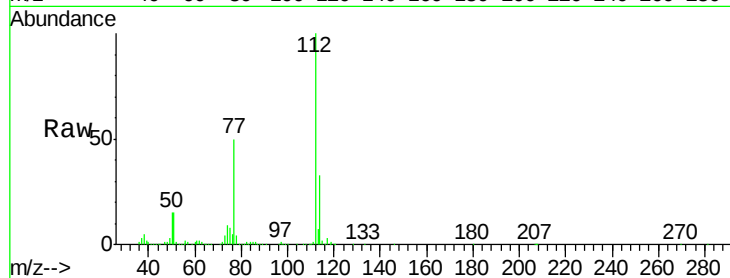
VSTDIC100

Tot Ion:112 Resp: 2069518

Ion Ratio Lower Upper

112 100

114 32.6 26.2 39.4



#66

1,1,1,2-Tetrachloroethane

Concen: 107.251 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

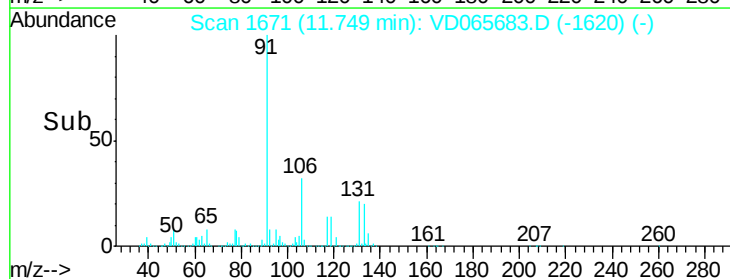
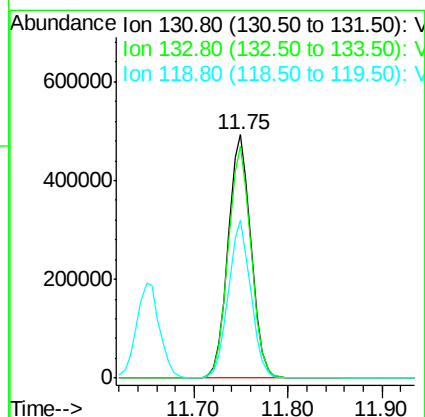
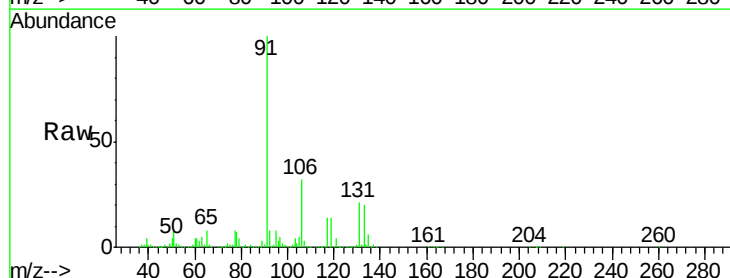
Tgt Ion:131 Resp: 832459

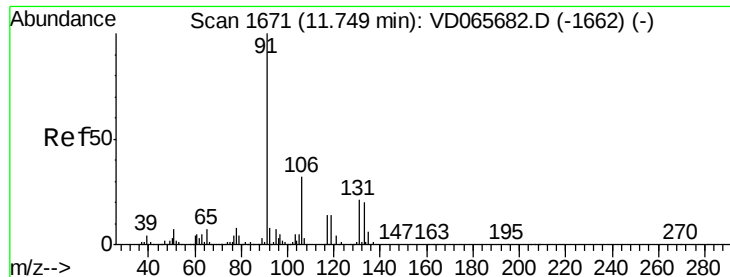
Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.8

119 63.2 32.1 96.5





#67

Ethyl Benzene

Concen: 116.335 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

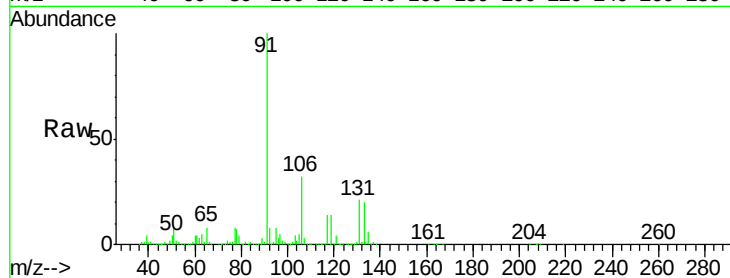
VSTDIC100

Tot Ion: 91 Resp: 3716353

Ion Ratio Lower Upper

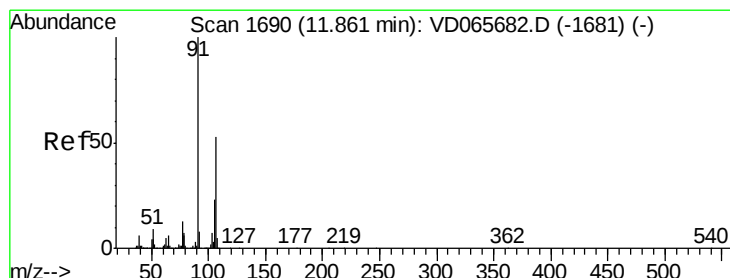
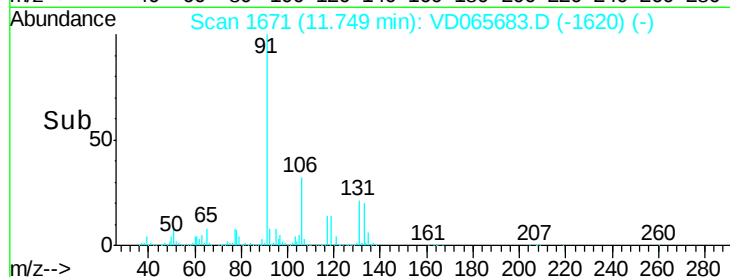
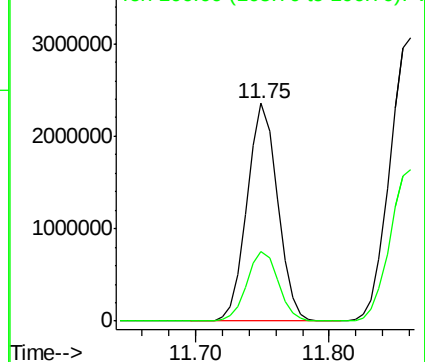
91 100

106 32.0 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 241.701 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065683.D

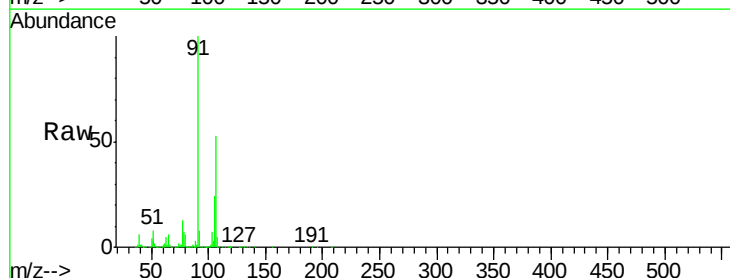
Acq: 29 Apr 2020 15:27

Tgt Ion:106 Resp: 3087759

Ion Ratio Lower Upper

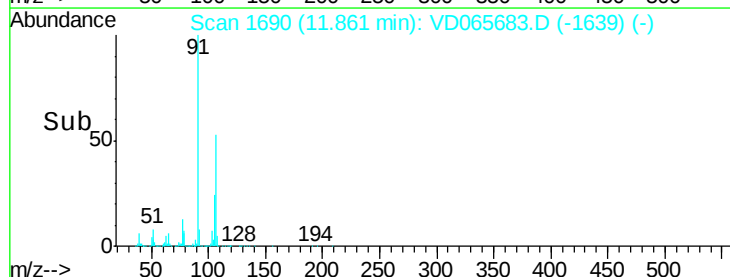
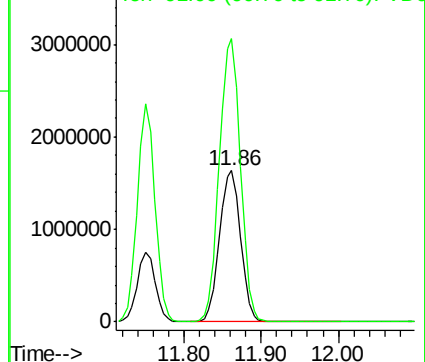
106 100

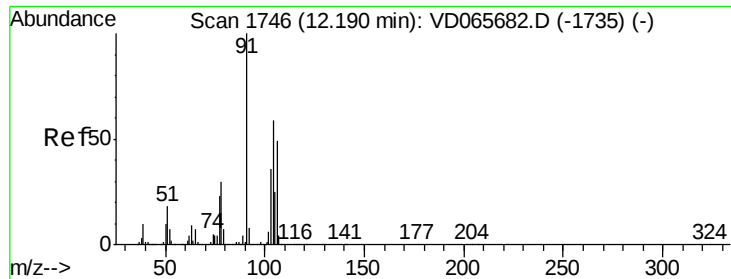
91 187.2 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

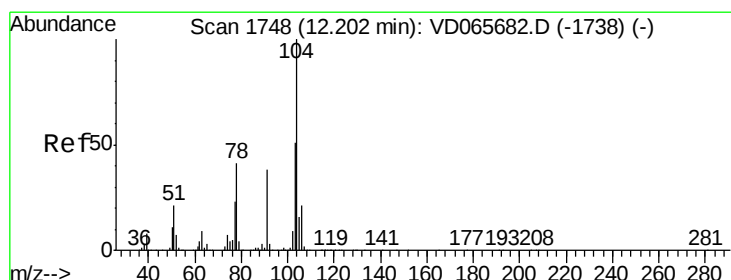
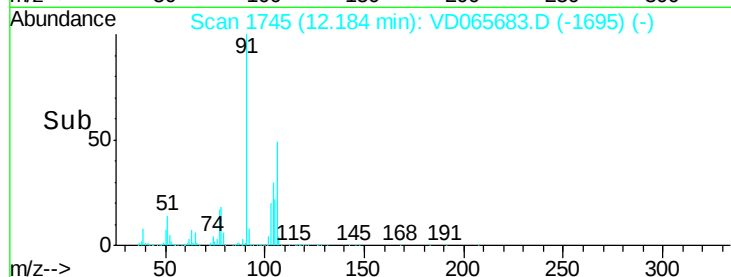
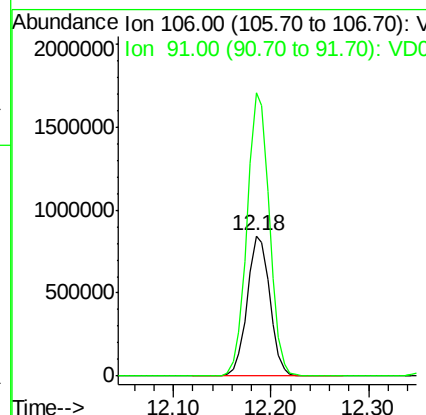
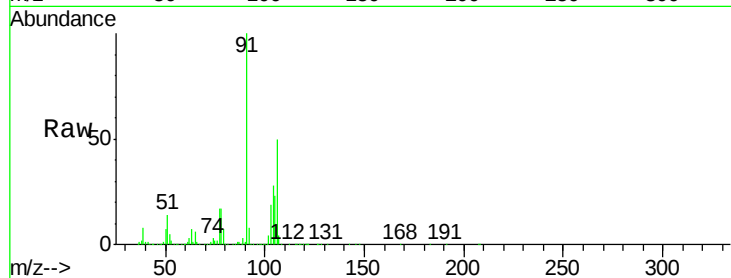




#69
o-Xylene
Concen: 127.308 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

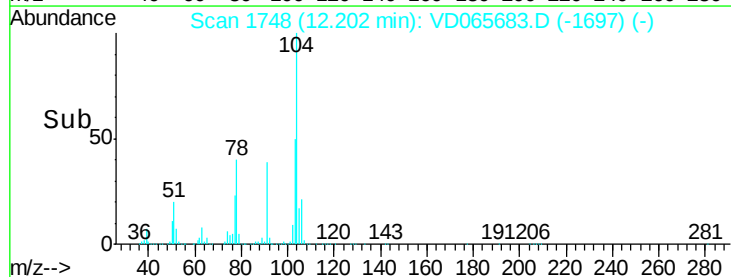
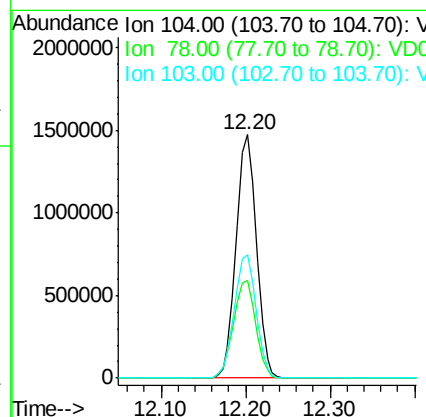
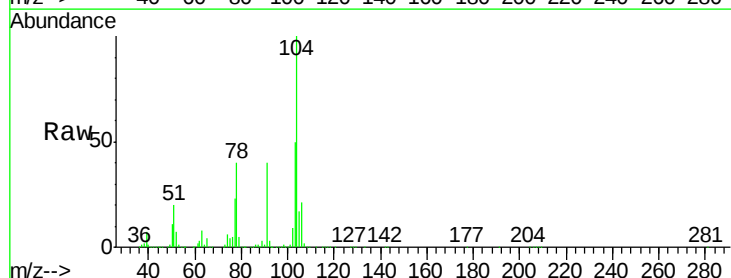
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

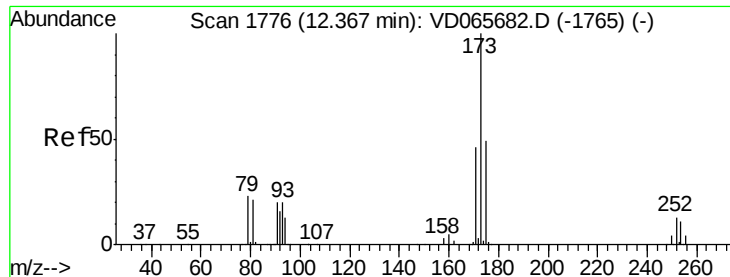
Tot Ion:106 Resp: 1369440
Ion Ratio Lower Upper
106 100
91 199.2 102.4 307.2



#70
Styrene
Concen: 127.056 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion:104 Resp: 2434452
Ion Ratio Lower Upper
104 100
78 44.1 36.5 54.7
103 54.5 43.8 65.8





#71

Bromoform

Concen: 109.496 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

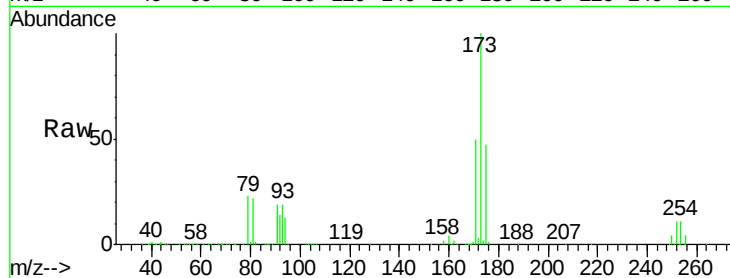
Tot Ion:173 Resp: 474590

Ion Ratio Lower Upper

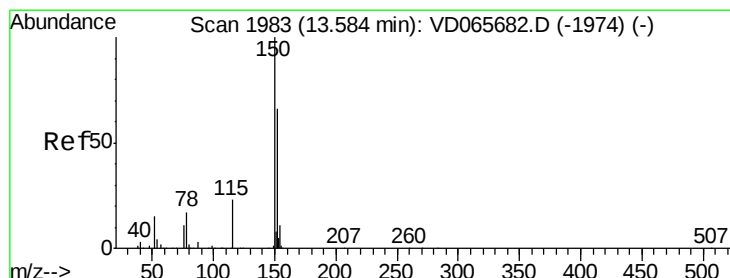
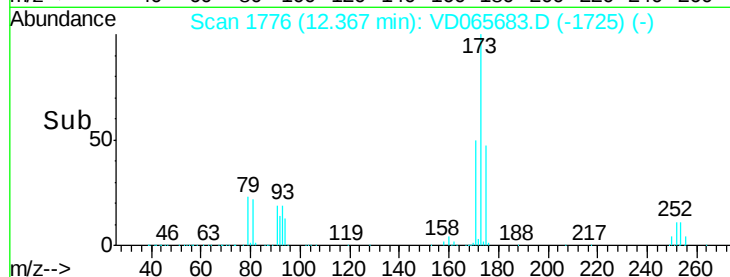
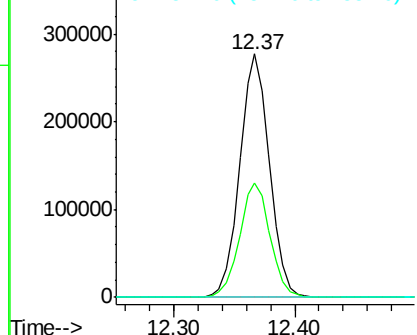
173 100

175 48.2 24.6 74.0

254 0.2 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: VD065683.D

Acq: 29 Apr 2020 15:27

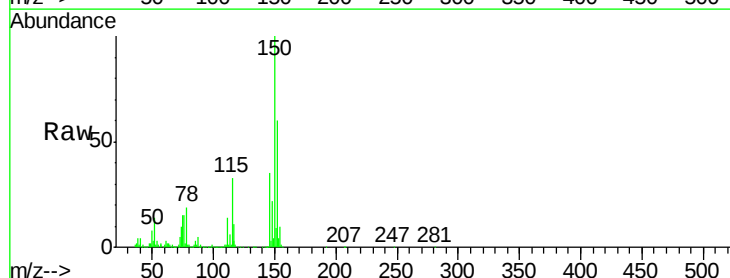
Tgt Ion:152 Resp: 608365

Ion Ratio Lower Upper

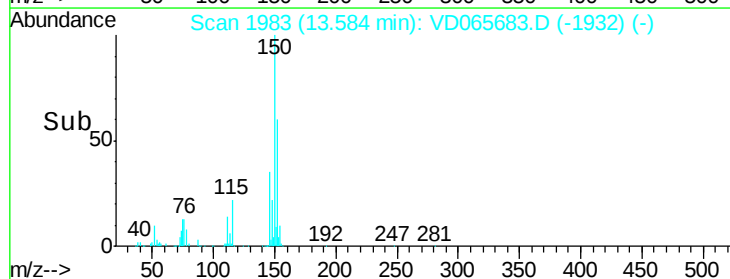
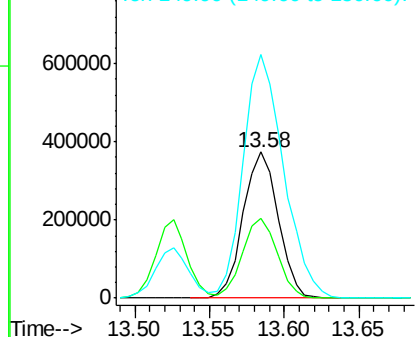
152 100

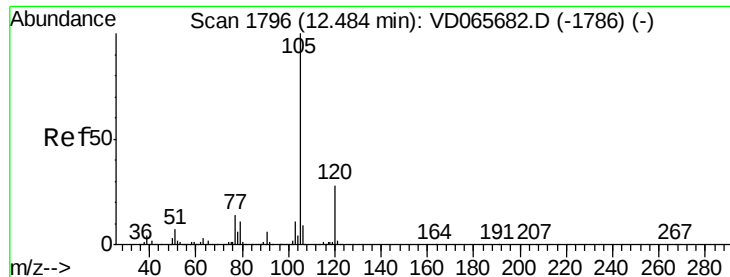
115 54.2 27.5 82.4

150 192.6 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: 118.974 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

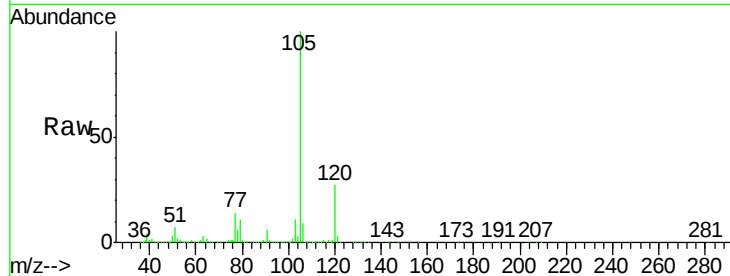
VSTDIC100

Tot Ion:105 Resp: 3767909

Ion Ratio Lower Upper

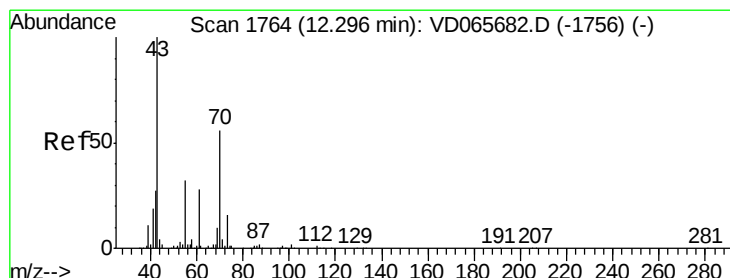
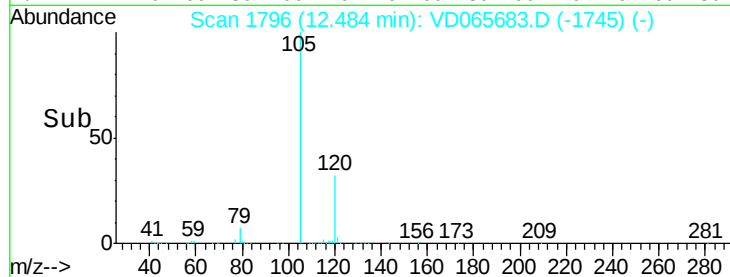
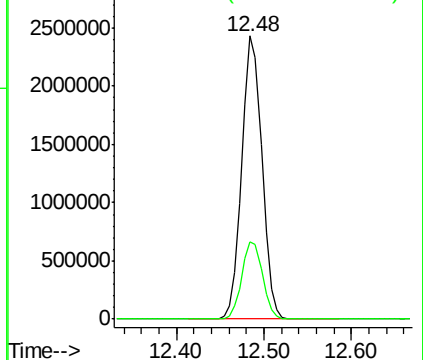
105 100

120 28.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 110.089 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Tgt Ion: 43 Resp: 481787

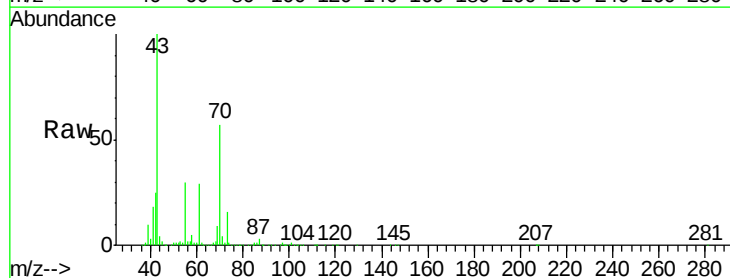
Ion Ratio Lower Upper

43 100

70 57.8 45.5 68.3

55 31.5 26.6 40.0

61 29.8 22.7 34.1

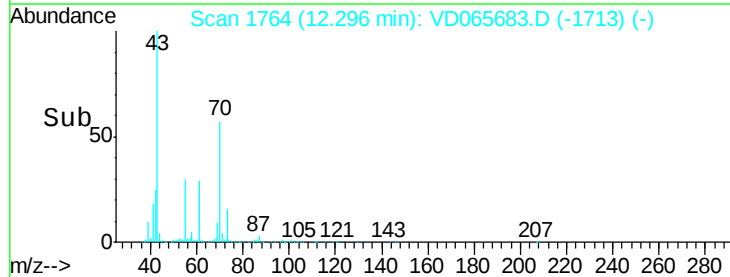
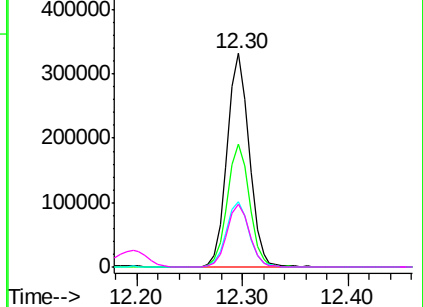


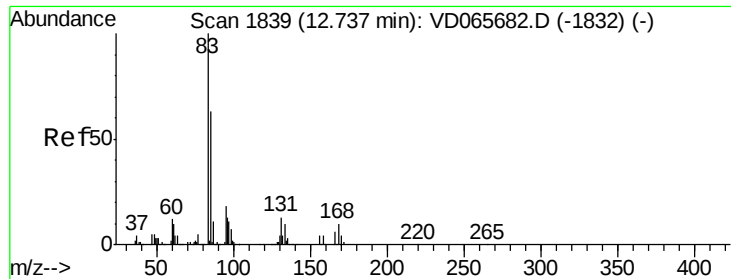
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 89.967 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

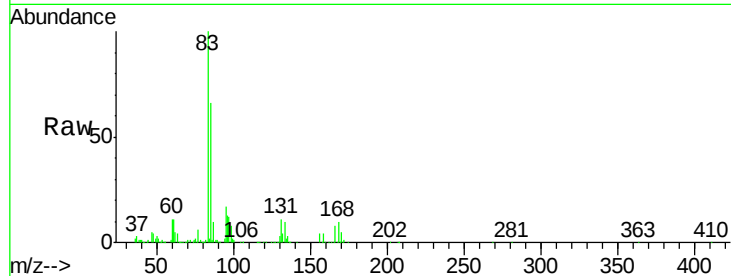
Tot Ion: 83 Resp: 568139

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.6

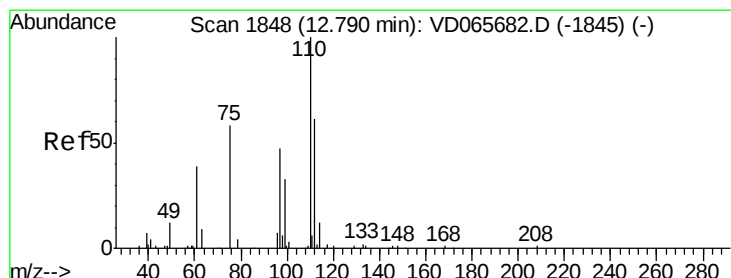
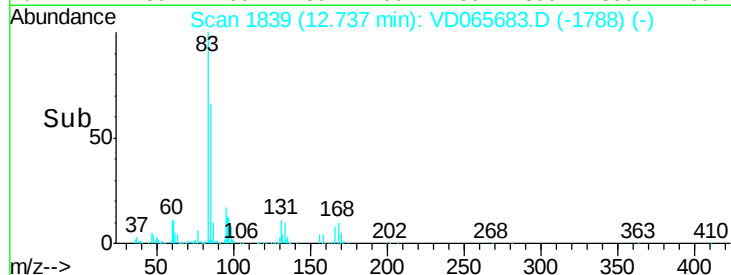
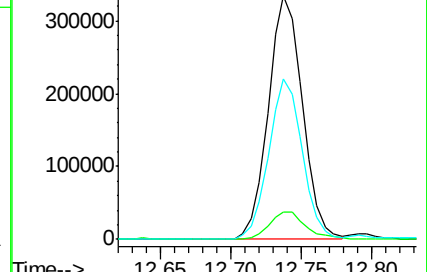
85 64.6 31.5 94.5



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: 53.760 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065683.D

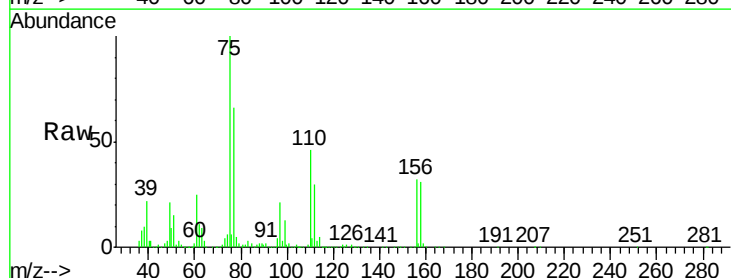
Acq: 29 Apr 2020 15:27

Tgt Ion: 75 Resp: 369238

Ion Ratio Lower Upper

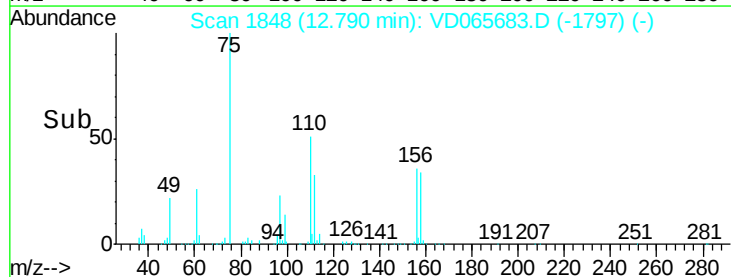
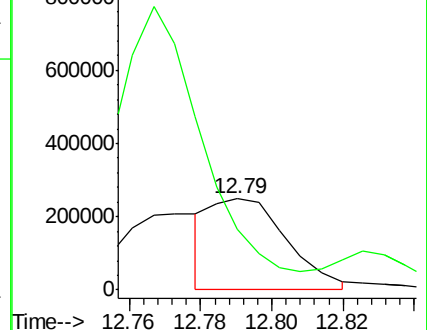
75 100

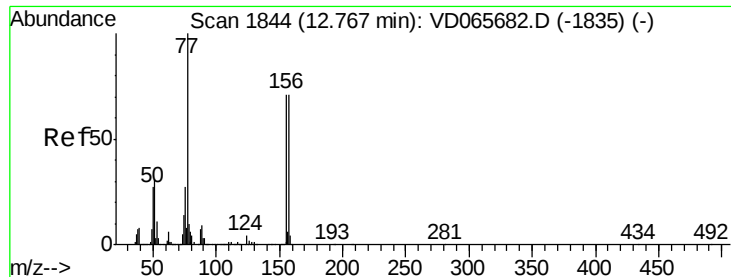
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 108.030 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

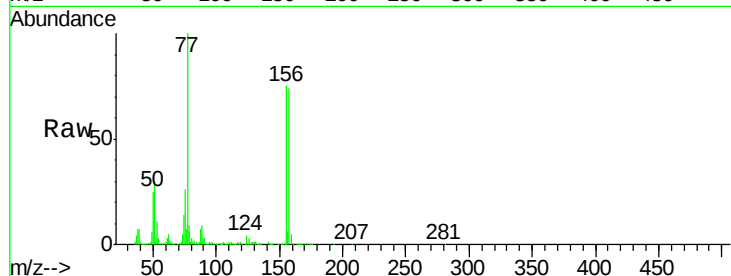
Tot Ion:156 Resp: 959743

Ion Ratio Lower Upper

156 100

77 144.2 75.3 225.9

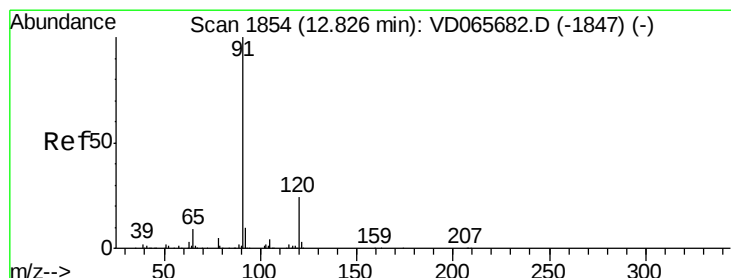
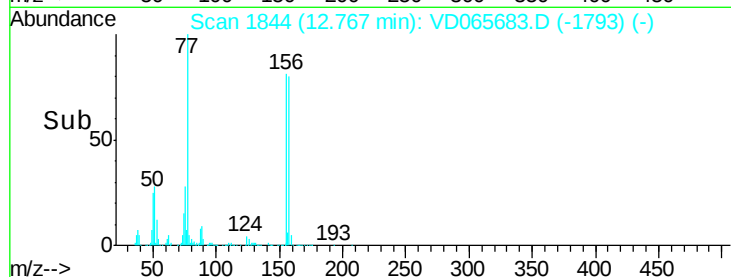
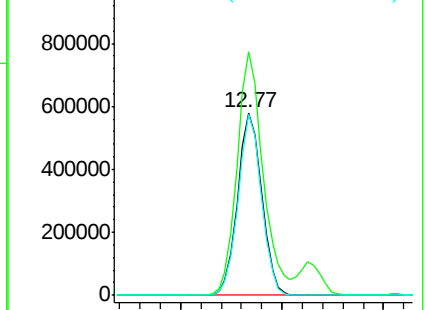
158 96.0 48.4 145.2



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: 110.796 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065683.D

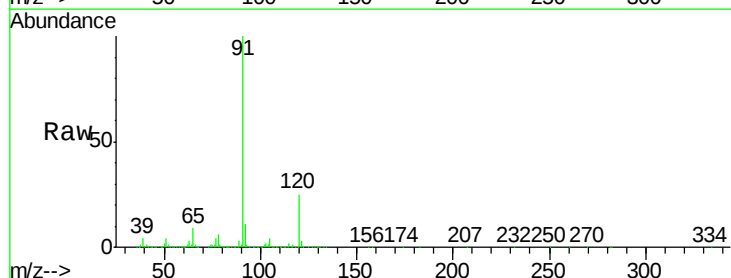
Acq: 29 Apr 2020 15:27

Tgt Ion: 91 Resp: 4339090

Ion Ratio Lower Upper

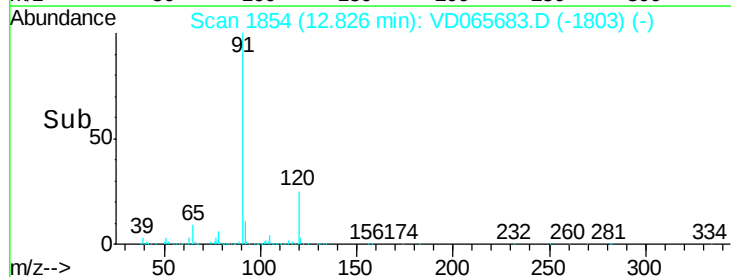
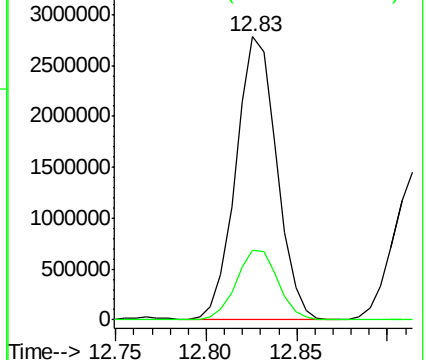
91 100

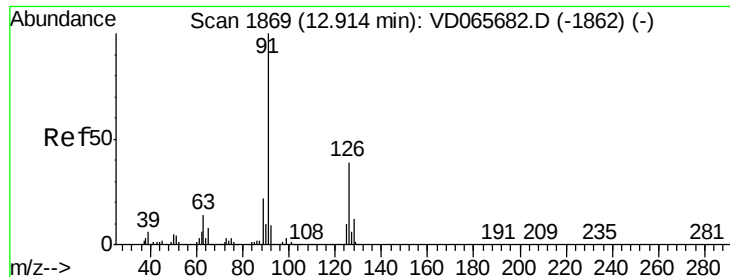
120 25.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 107.669 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

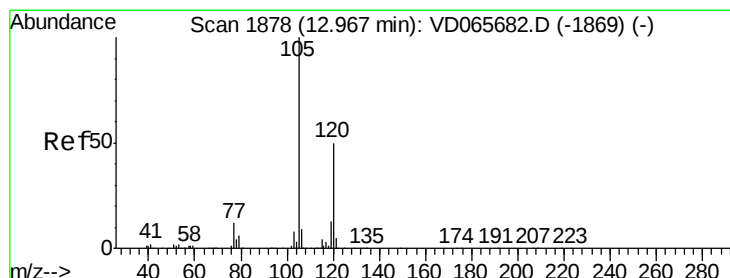
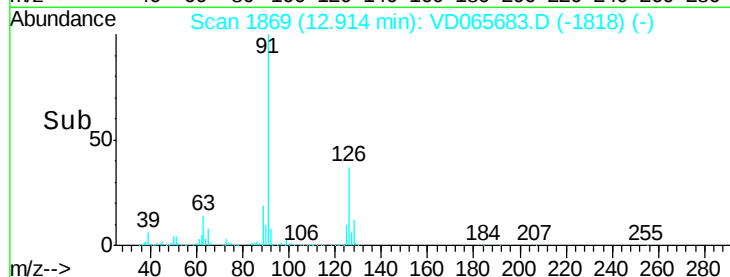
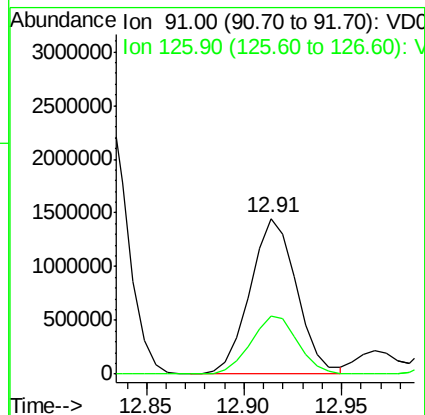
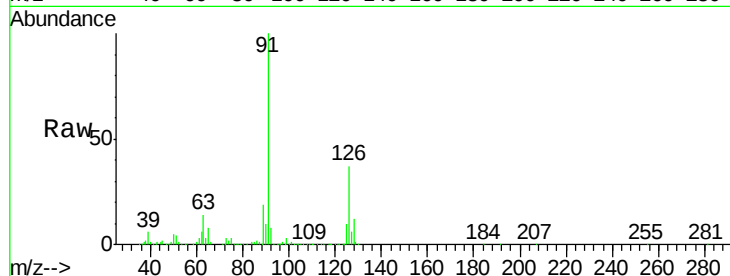
VSTDIC100

Tot Ion: 91 Resp: 2387687

Ion Ratio Lower Upper

91 100

126 37.7 19.3 57.9



#80

1,3,5-Trimethylbenzene

Concen: 116.369 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065683.D

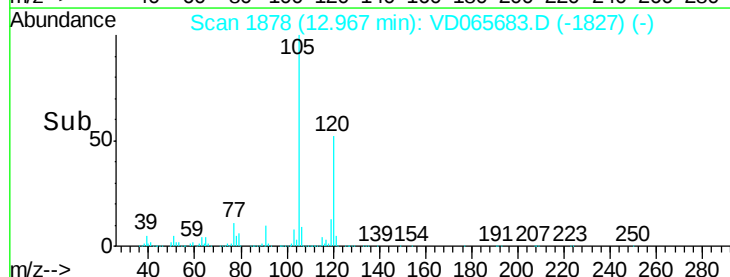
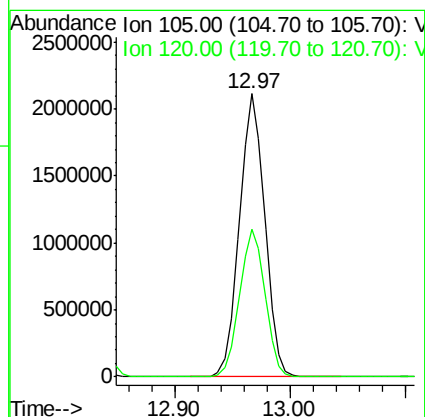
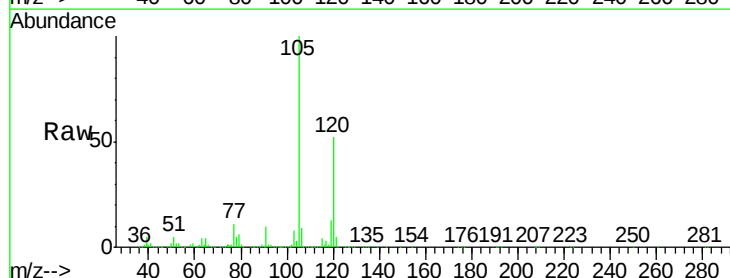
Acq: 29 Apr 2020 15:27

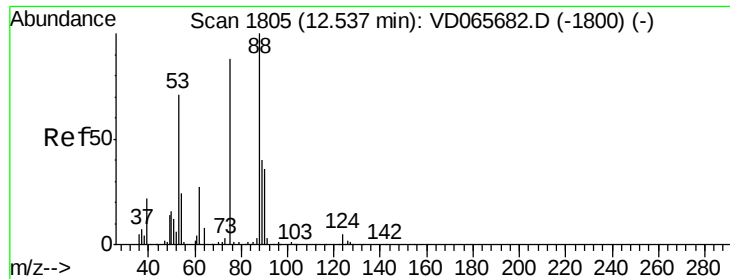
Tgt Ion:105 Resp: 3211426

Ion Ratio Lower Upper

105 100

120 52.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 107.598 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

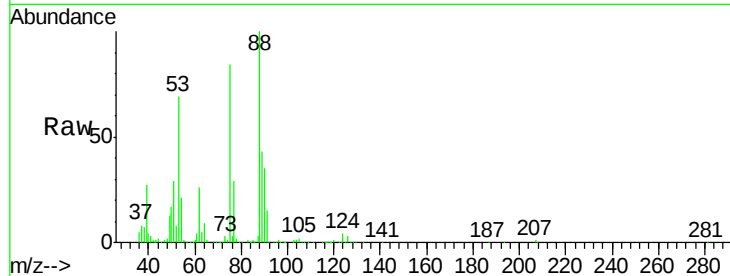
Tot Ion: 75 Resp: 184831

Ion Ratio Lower Upper

75 100

53 81.8 70.5 105.7

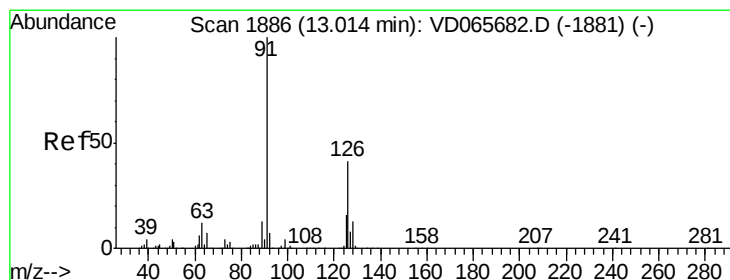
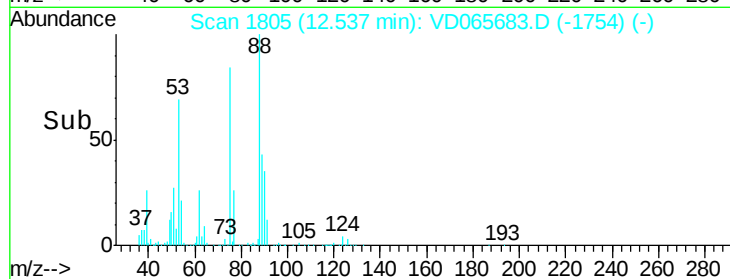
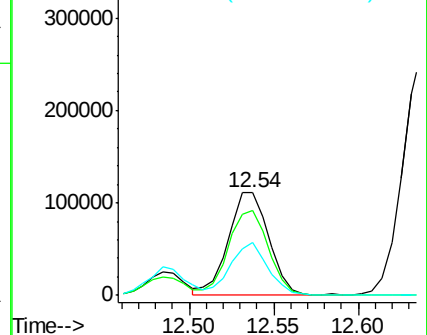
89 47.8 39.0 58.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 104.939 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065683.D

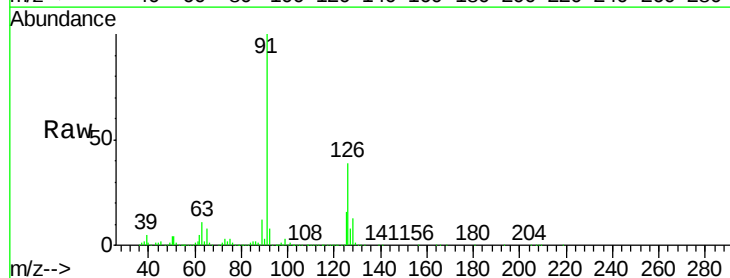
Acq: 29 Apr 2020 15:27

Tgt Ion: 91 Resp: 2519160

Ion Ratio Lower Upper

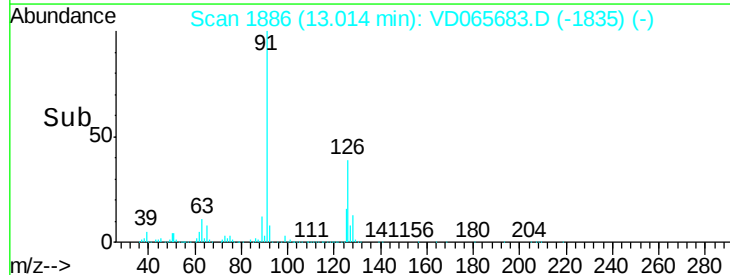
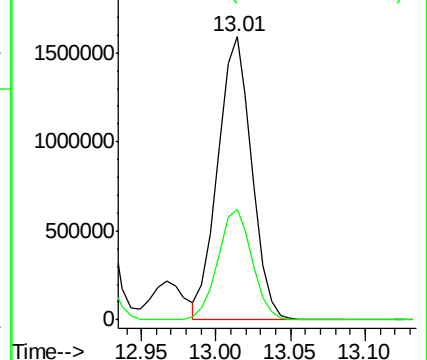
91 100

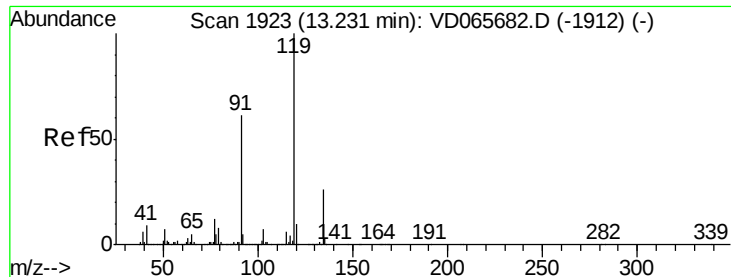
126 39.4 19.3 57.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

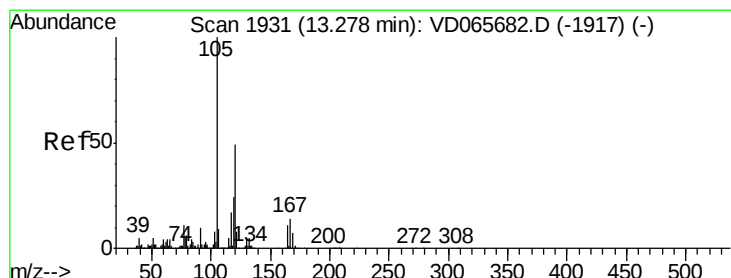
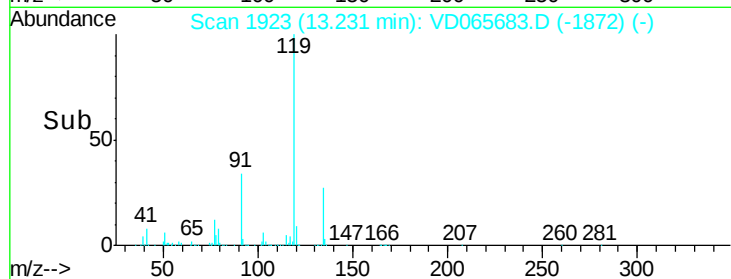
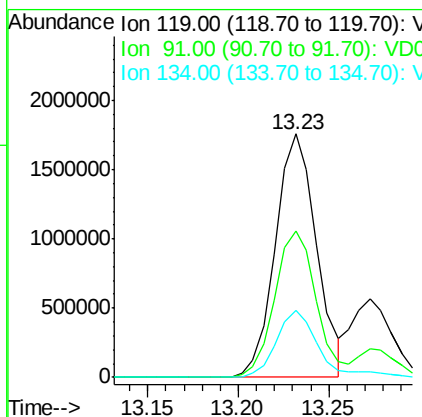
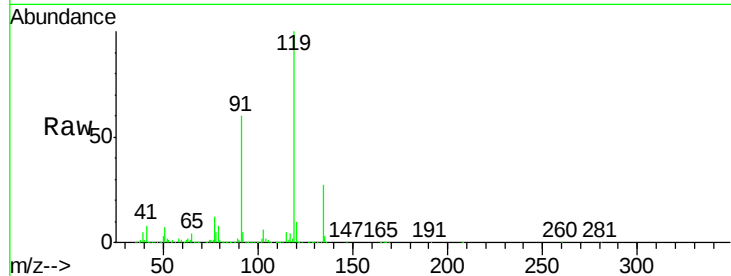




#83
tert-Butylbenzene
Concen: 122.222 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

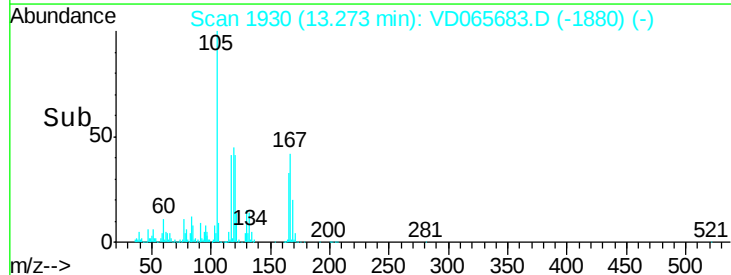
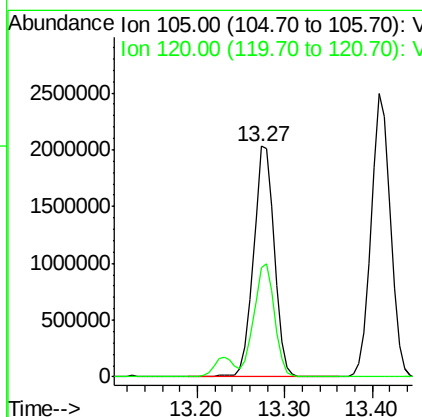
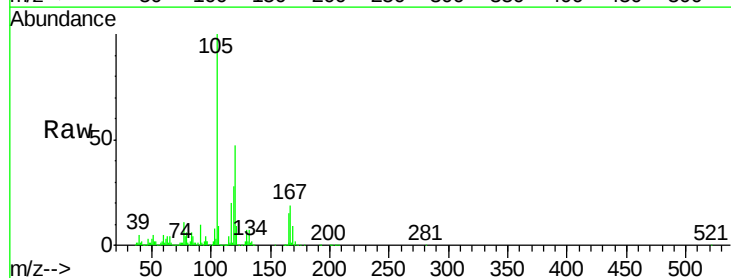
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

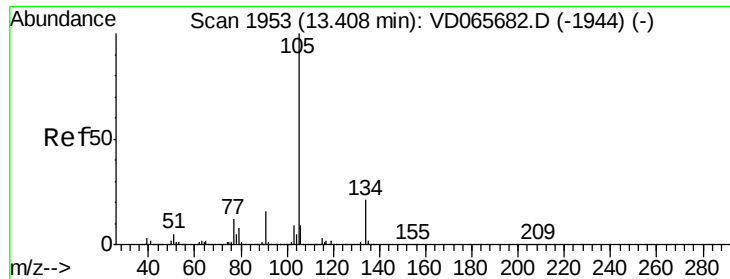
Tot Ion:119 Resp: 2784608
Ion Ratio Lower Upper
119 100
91 60.8 30.6 91.8
134 28.4 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 119.879 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion:105 Resp: 3269489
Ion Ratio Lower Upper
105 100
120 48.3 24.0 72.0

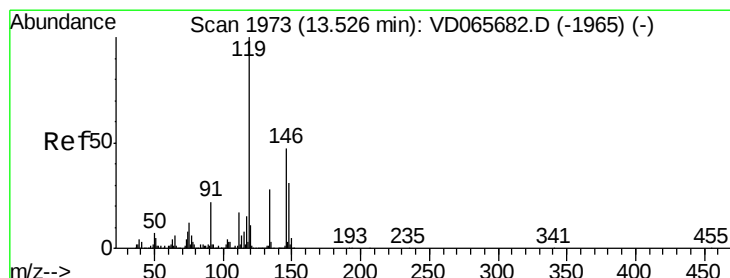
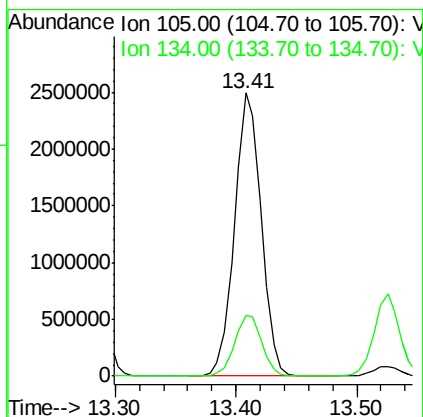
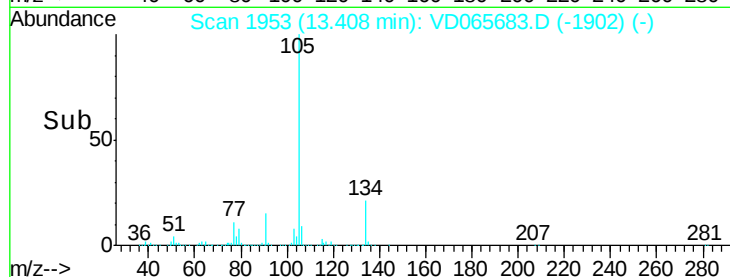
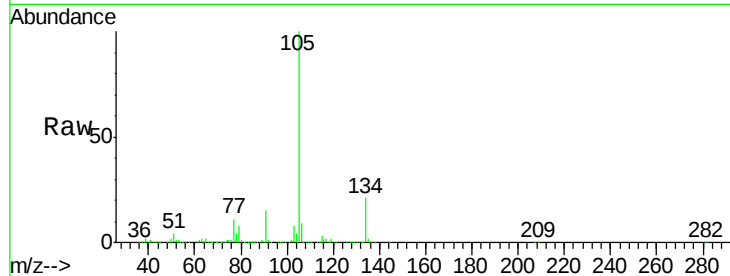




#85
 sec-Butylbenzene
 Concen: 115.436 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

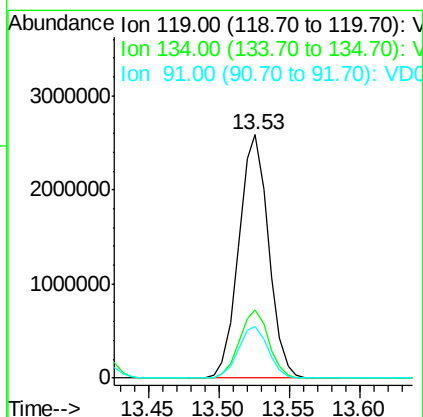
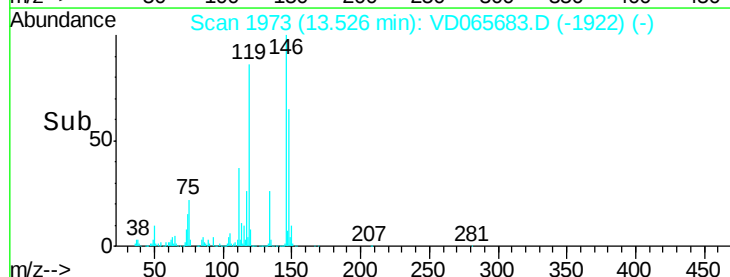
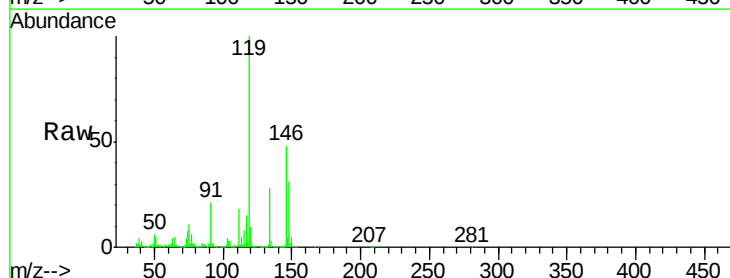
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

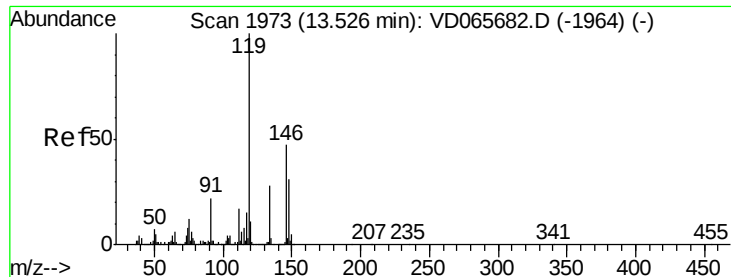
Tot Ion:105 Resp: 3831905
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.8 32.4



#86
 p-Isopropyltoluene
 Concen: 123.994 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion:119 Resp: 3795763
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.8 41.3
 91 21.4 11.1 33.3

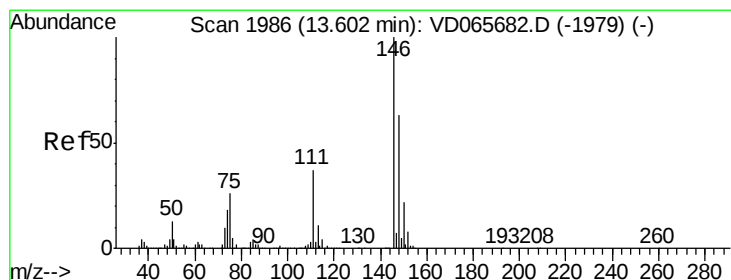
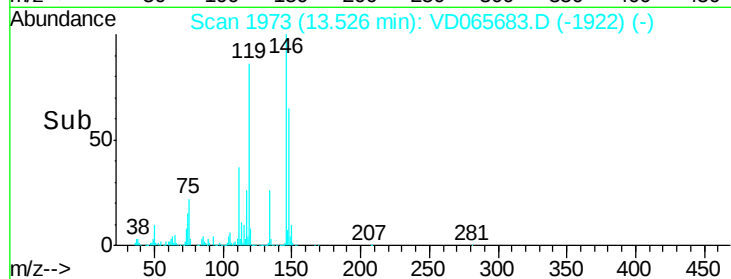
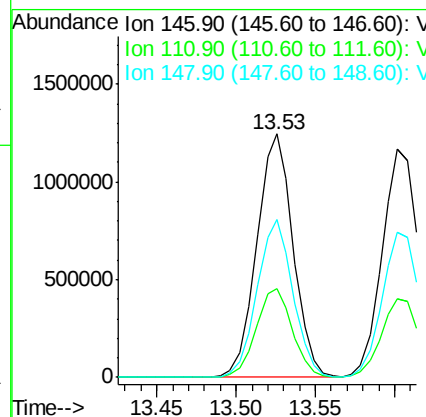
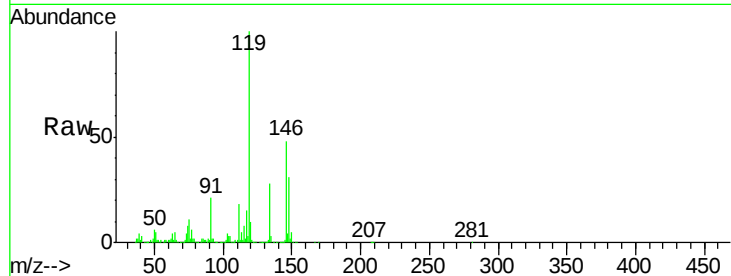




#87
 1,3-Dichlorobenzene
 Concen: 108.881 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

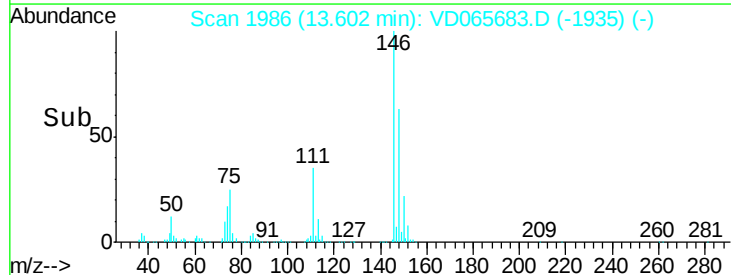
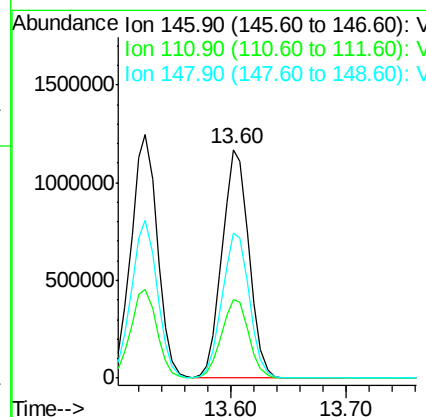
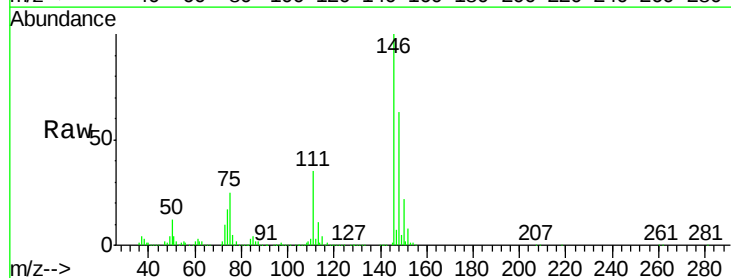
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

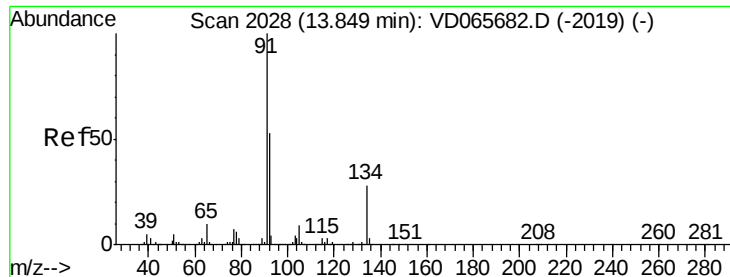
Tot Ion:146 Resp: 1978606
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.8
 148 64.2 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 99.761 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion:146 Resp: 1881803
 Ion Ratio Lower Upper
 146 100
 111 34.8 18.5 55.5
 148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 115.726 ug/l

RT: 13.85 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

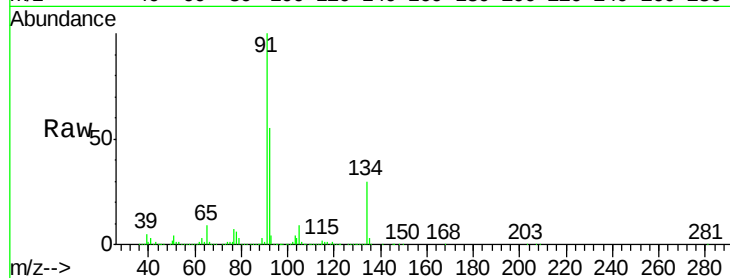
MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3199900

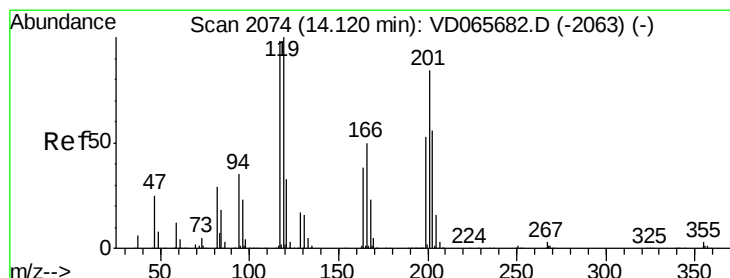
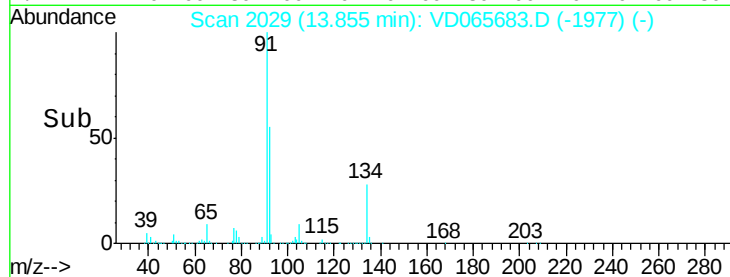
Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.3
134	29.9	14.1	42.4



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): VDC



#90

Hexachloroethane

Concen: 94.440 ug/l

RT: 14.12 min Scan# 2074

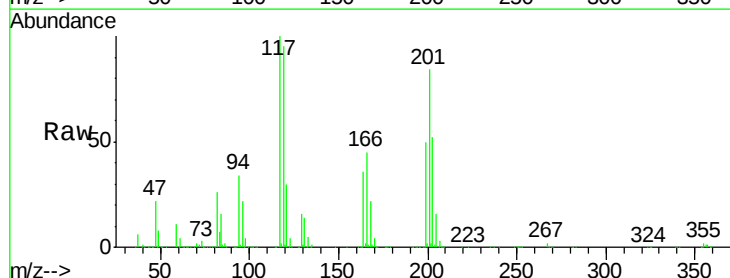
Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

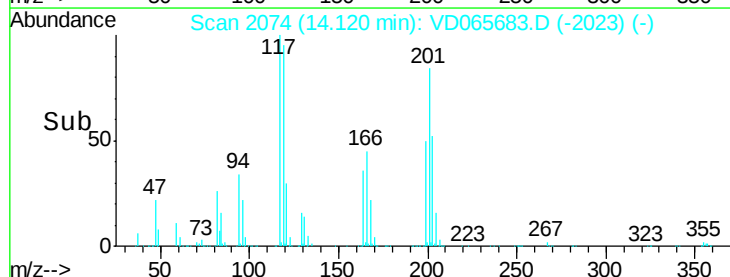
Tgt Ion: 117 Resp: 717037

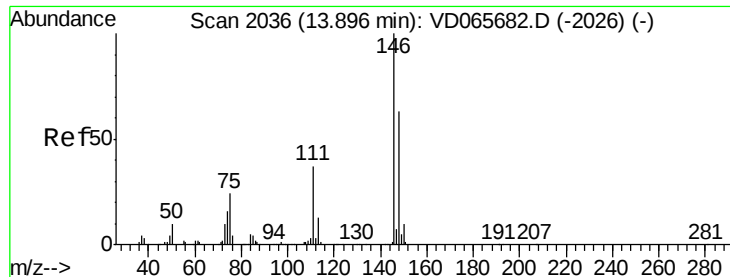
Ion	Ratio	Lower	Upper
117	100		
201	84.9	41.9	125.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 104.296 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

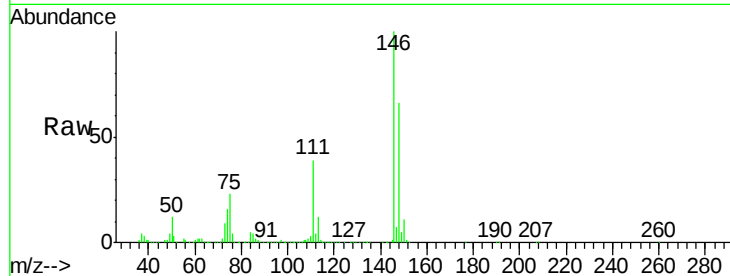
Tot Ion:146 Resp: 1634801

Ion Ratio Lower Upper

146 100

111 37.9 19.6 58.7

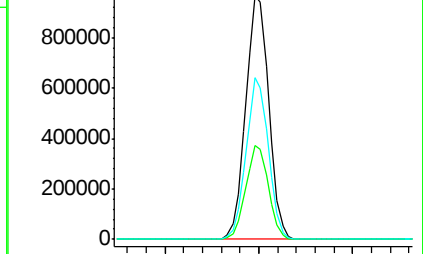
148 64.3 32.6 98.0



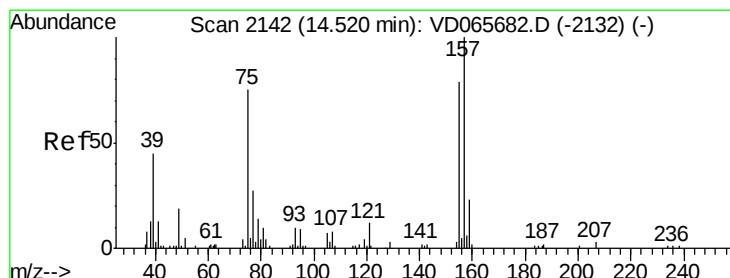
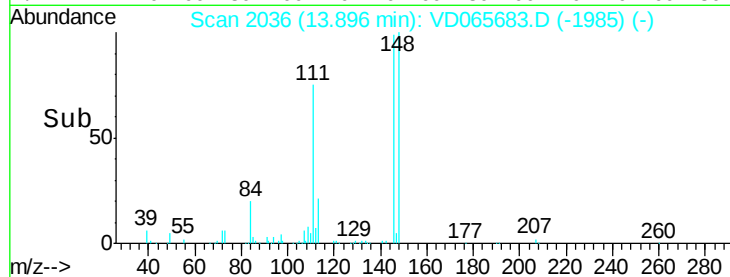
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 93.542 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065683.D

Acq: 29 Apr 2020 15:27

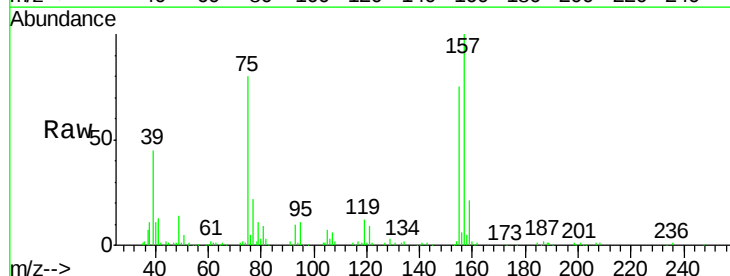
Tgt Ion: 75 Resp: 87417

Ion Ratio Lower Upper

75 100

155 100.0 50.5 151.6

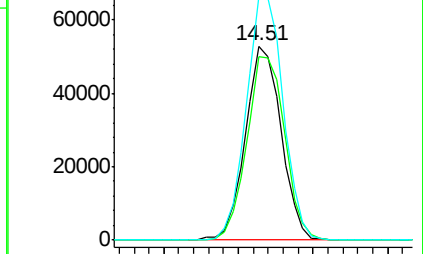
157 129.8 67.8 203.2



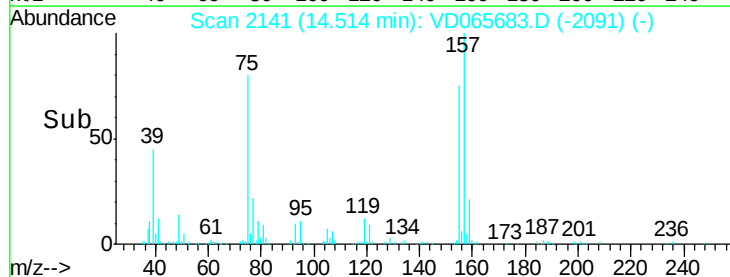
Abundance Ion 74.90 (74.60 to 75.60): V

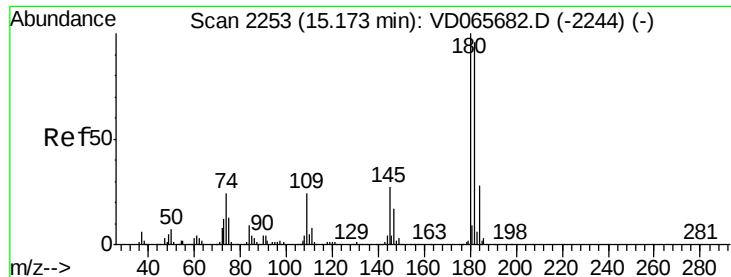
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->

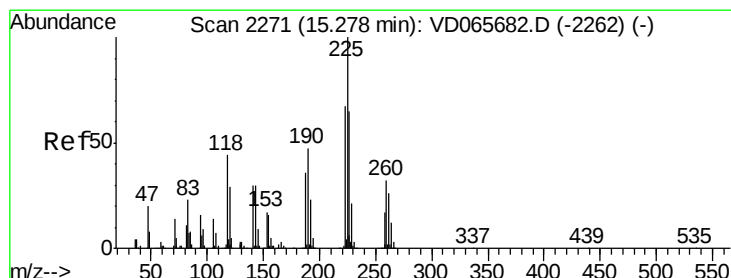
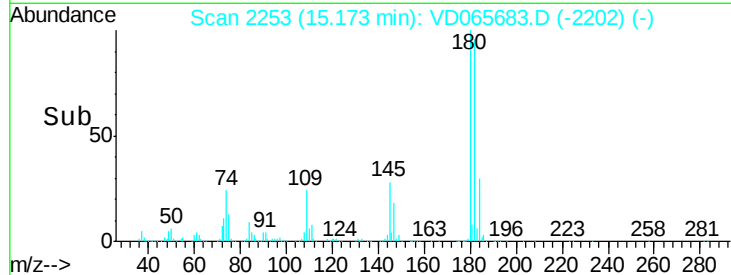
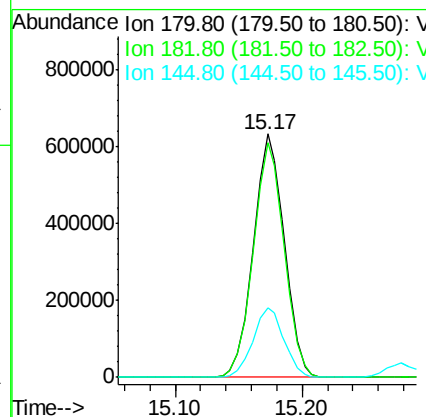
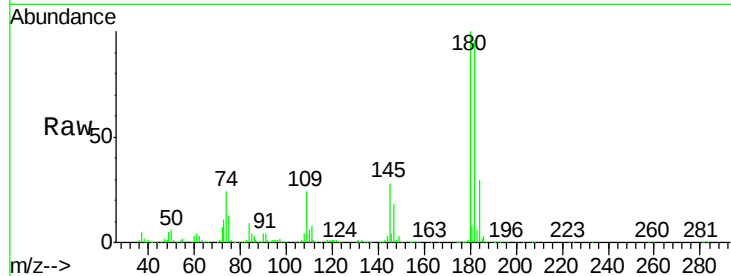




#93
 1,2,4-Trichlorobenzene
 Concen: 120.268 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

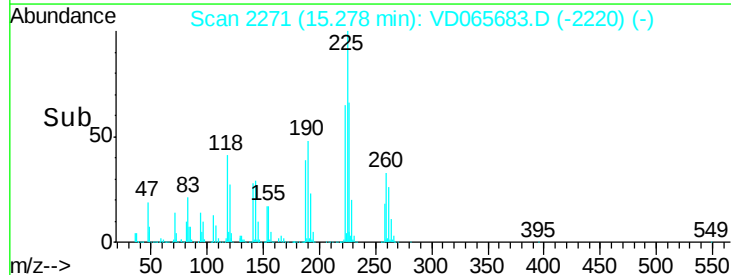
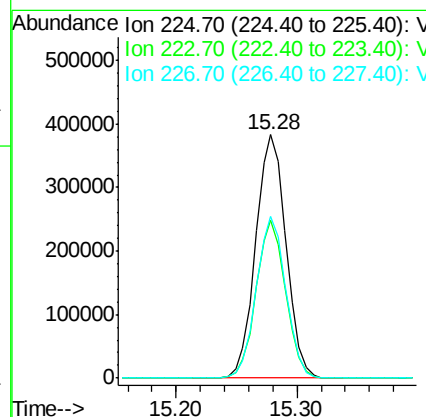
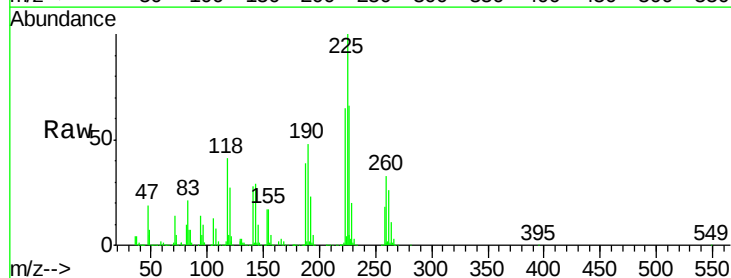
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

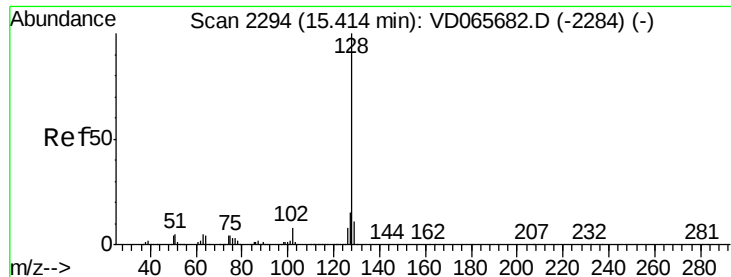
Tot Ion:180 Resp: 1074433
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.0
 145 28.9 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 101.032 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065683.D
 Acq: 29 Apr 2020 15:27

Tgt Ion:225 Resp: 670858
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.3 96.8
 227 64.7 32.2 96.6

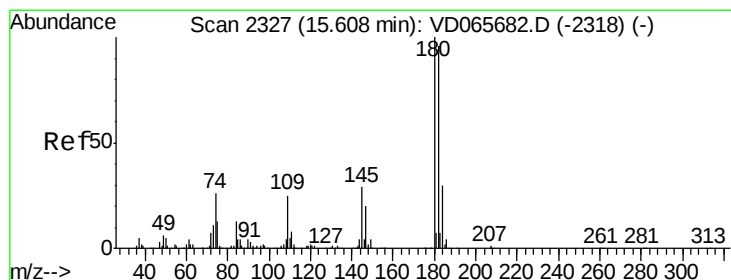
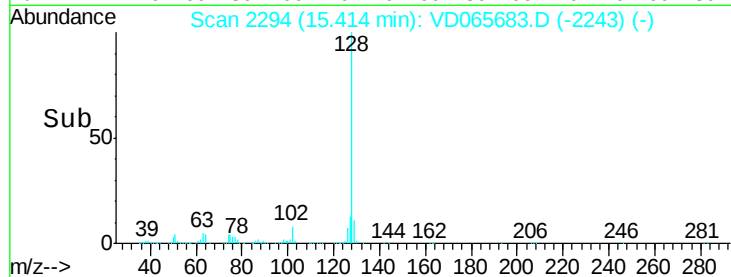
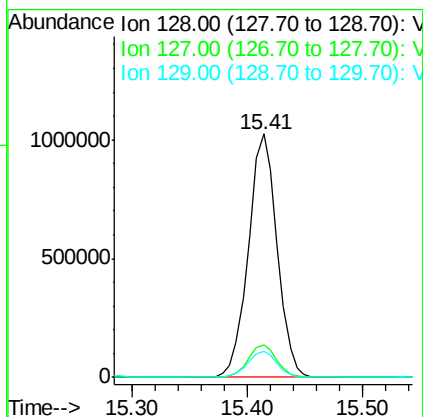
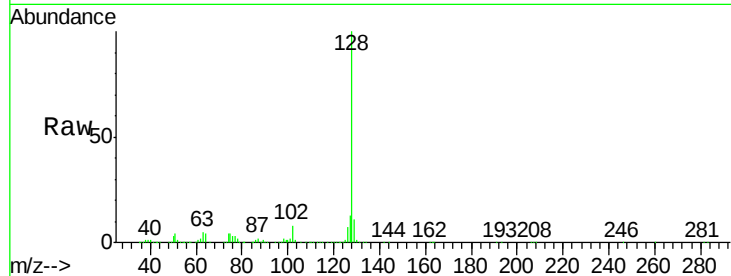




#95
Naphthalene
Concen: 139.544 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1770788
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 118.355 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065683.D
Acq: 29 Apr 2020 15:27

Tgt Ion:180 Resp: 945988
Ion Ratio Lower Upper
180 100
182 95.4 48.6 145.8
145 30.3 15.4 46.2

