

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065289.D
 Acq On : 24 Feb 2020 12:38
 Operator : VA/SY
 Sample : L1635-02MS
 Misc : 6.33G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:20:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	27825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	42763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	41454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	16369	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	23473	93.77	ug/l	0.00
Spiked Amount			Recovery	=	187.54%	
35) Dibromofluoromethane	7.92	113	18536	71.09	ug/l	0.00
Spiked Amount			Recovery	=	142.18%	
50) Toluene-d8	10.34	98	55256	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.64	95	14401	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	11804	50.579	ug/l	98
3) Chloromethane	2.20	50	16295	54.856	ug/l	100
4) Vinyl Chloride	2.35	62	14704	48.679	ug/l	97
5) Bromomethane	2.78	94	12975	71.044	ug/l	91
6) Chloroethane	2.93	64	10318	55.961	ug/l #	87
7) Trichlorofluoromethane	3.27	101	21194	49.009	ug/l	100
8) Diethyl Ether	3.70	74	13056	100.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	12151	44.493	ug/l	98
10) Methyl Iodide	4.29	142	15187	53.560	ug/l	100
11) Tert butyl alcohol	5.24	59	17728	1185.190	ug/l	99
12) 1,1-Dichloroethene	4.06	96	12503	48.465	ug/l	95
13) Acrolein	3.92	56	16546	989.592	ug/l	100
14) Allyl chloride	4.71	41	28245	67.421	ug/l	87
15) Acrylonitrile	5.43	53	66120	1144.072	ug/l	98
16) Acetone	4.17	43	52982	865.867	ug/l	98
17) Carbon Disulfide	4.40	76	39908	46.141	ug/l	97
18) Methyl Acetate	4.72	43	95548	694.288	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	56670	105.339	ug/l	96
20) Methylene Chloride	4.97	84	22279	85.015	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	15601	53.196	ug/l	93
22) Diisopropyl ether	6.37	45	52283	64.738	ug/l #	88
23) Vinyl Acetate	6.31	43	39078	87.770	ug/l	96
24) 1,1-Dichloroethane	6.27	63	29527	58.944	ug/l #	91
25) 2-Butanone	7.23	43	79765	1030.315	ug/l	98
26) 2,2-Dichloropropane	7.21	77	21592	49.680	ug/l	91
27) cis-1,2-Dichloroethene	7.21	96	19186	61.760	ug/l	93
28) Bromochloromethane	7.56	49	18312	98.534	ug/l	95
29) Tetrahydrofuran	7.57	42	53205	1172.922	ug/l	98
30) Chloroform	7.71	83	30996	61.418	ug/l	96
31) Cyclohexane	7.99	56	16587	33.701	ug/l	86
32) 1,1,1-Trichloroethane	7.91	97	24295	53.805	ug/l	95
36) 1,1-Dichloropropene	8.11	75	16996	40.847	ug/l	98
37) Ethyl Acetate	7.30	43	23648	135.953	ug/l	98
38) Carbon Tetrachloride	8.10	117	19515	46.073	ug/l	88

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	11863	24.251	ug/l #	82
40) Benzene	8.36	78	64058	54.543	ug/l	100
41) Methacrylonitrile	7.53	41	14837	147.729	ug/l	88
42) 1,2-Dichloroethane	8.43	62	28165	87.233	ug/l	100
43) Isopropyl Acetate	8.46	43	40347	127.555	ug/l	96
44) Trichloroethene	9.11	130	15104	46.395	ug/l	85
45) 1,2-Dichloropropane	9.39	63	18741	64.174	ug/l	99
46) Dibromomethane	9.47	93	15012	99.908	ug/l	97
47) Bromodichloromethane	9.67	83	26567	67.091	ug/l	95
48) Methyl methacrylate	9.46	41	24220	165.654	ug/l	99
49) 1,4-Dioxane	9.47	88	9048	5134.206	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	146867	914.159	ug/l	99
52) Toluene	10.41	92	35123	48.315	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	28819	78.517	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	28561	64.440	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	21126	99.892	ug/l	98
56) Ethyl methacrylate	10.67	69	19025	77.938	ug/l	98
57) 1,3-Dichloropropane	10.95	76	34630	96.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	34127	443.443	ug/l	96
59) 2-Hexanone	10.99	43	101413	881.809	ug/l	100
60) Dibromochloromethane	11.14	129	23656	87.392	ug/l	98
61) 1,2-Dibromoethane	11.26	107	22299	111.361	ug/l	99
64) Tetrachloroethene	10.88	164	11692	39.768	ug/l	97
65) Chlorobenzene	11.67	112	37152	44.660	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	18722	60.309	ug/l	99
67) Ethyl Benzene	11.75	91	51923	35.638	ug/l	98
68) m/p-Xylenes	11.86	106	37352	67.009	ug/l	99
69) o-Xylene	12.18	106	19582	39.652	ug/l	99
70) Styrene	12.20	104	30698	35.012	ug/l	93
71) Bromoform	12.37	173	17623	102.304	ug/l #	95
73) Isopropylbenzene	12.48	105	40716	37.571	ug/l	99
74) N-amyl acetate	12.30	43	12999	53.982	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.74	83	31724	162.201	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37066	266.141	ug/l #	100
77) Bromobenzene	12.77	156	16207	60.226	ug/l	75
78) n-propylbenzene	12.83	91	44215	33.951	ug/l	96
79) 2-Chlorotoluene	12.91	91	28040	38.434	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	31344	35.117	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	8355	129.530	ug/l	94
82) 4-Chlorotoluene	13.01	91	31991	41.304	ug/l	100
83) tert-Butylbenzene	13.23	119	26998	36.089	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	30210	33.815	ug/l	98
85) sec-Butylbenzene	13.41	105	31275	29.013	ug/l	97
86) p-Isopropyltoluene	13.53	119	26380	26.760	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	21231	40.810	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	21861	42.577	ug/l	98
89) n-Butylbenzene	13.85	91	19959	21.972	ug/l	96
90) Hexachloroethane	14.12	117	8910	44.514	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	20919	46.831	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5736	190.309	ug/l	97

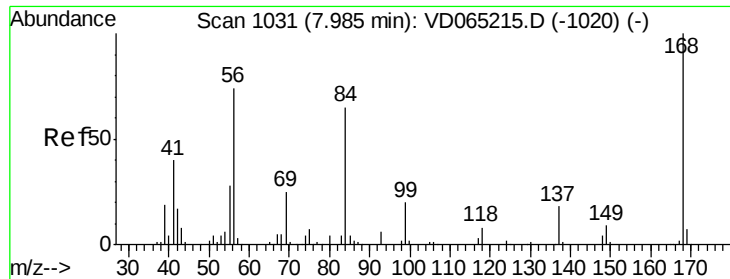
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	8175	27.979	ug/l	90
94) Hexachlorobutadiene	15.28	225	5248	27.999	ug/l	93
95) Naphthalene	15.41	128	27891	58.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	8960	35.112	ug/l	95

(#) = 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: VD065289.D

Acq: 24 Feb 2020 12:38

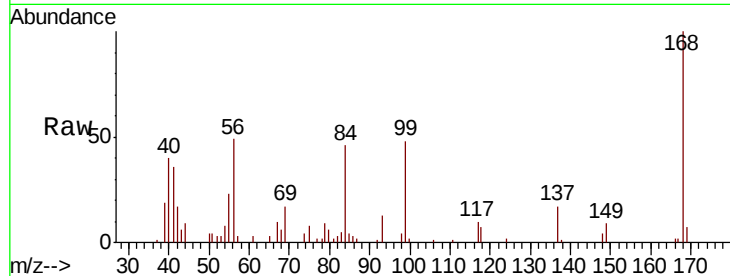
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 27825

Ion Ratio Lower Upper

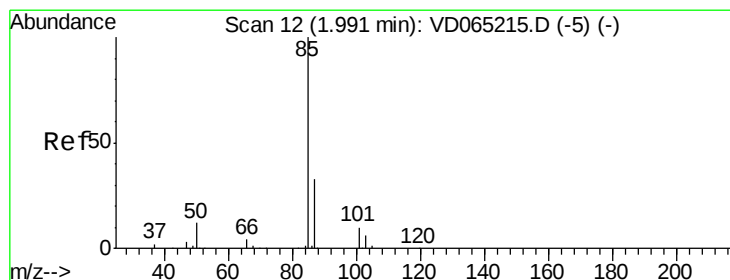
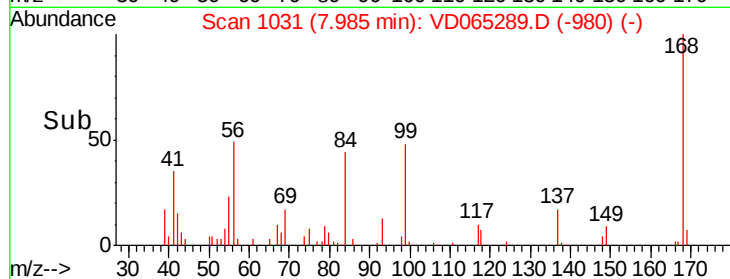
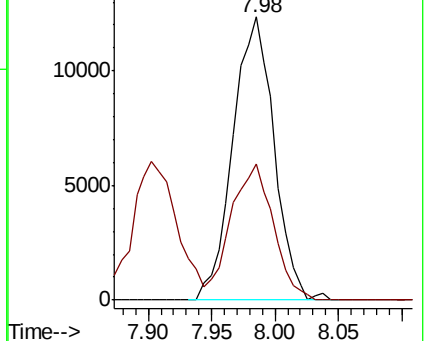
168 100

99 48.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.579 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065289.D

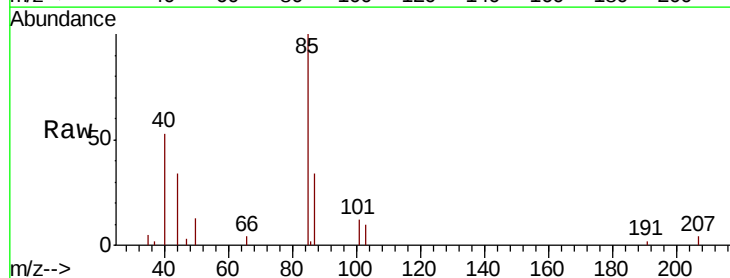
Acq: 24 Feb 2020 12:38

Tgt Ion: 85 Resp: 11804

Ion Ratio Lower Upper

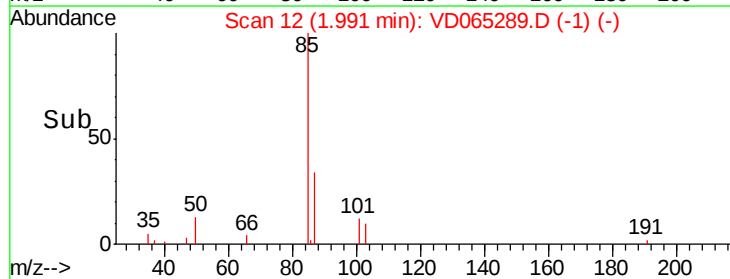
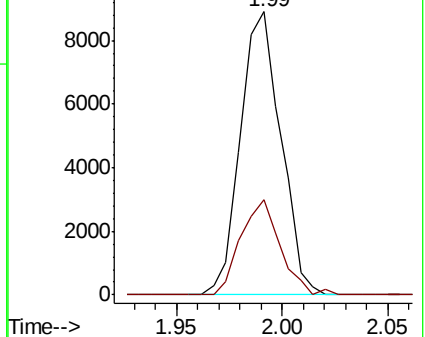
85 100

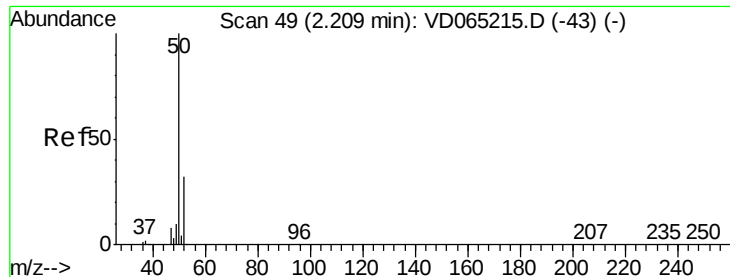
87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.856 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

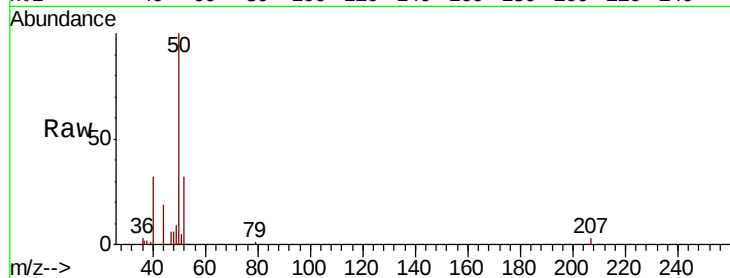
ClientSampleId :

Tot Ion: 50 Resp: 16295

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

15000

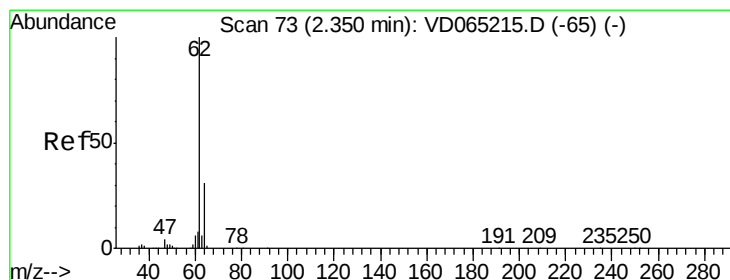
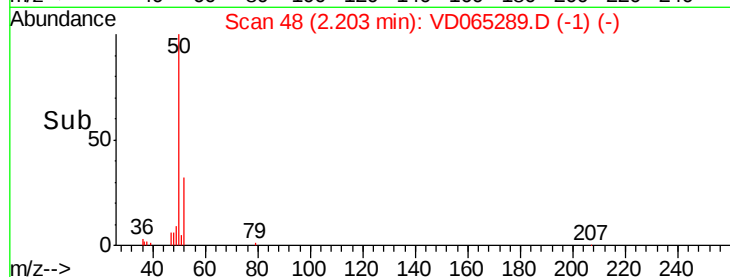
10000

5000

0

Time-->

2.15 2.20 2.25



#4

Vinyl Chloride

Concen: 48.679 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065289.D

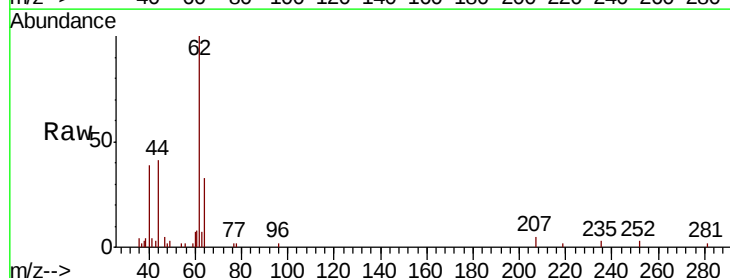
Acq: 24 Feb 2020 12:38

Tgt Ion: 62 Resp: 14704

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

10000

8000

6000

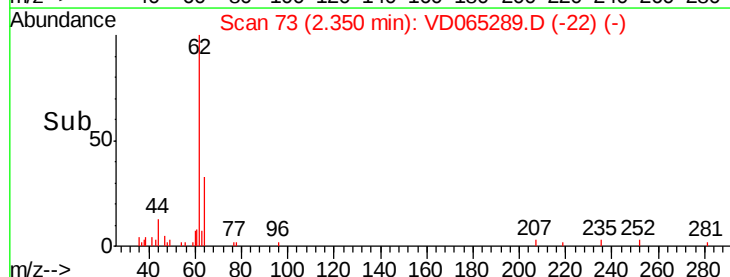
4000

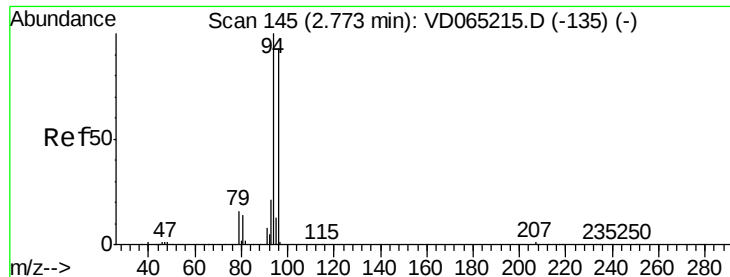
2000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 71.044 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

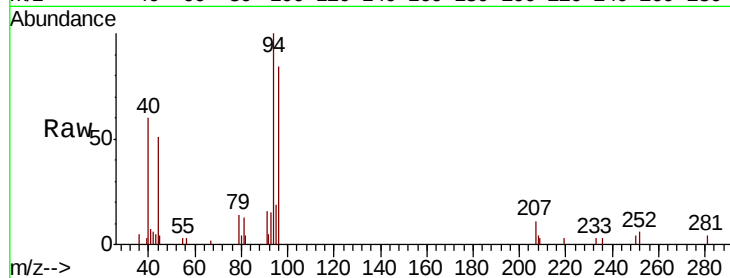
ClientSampleId :

Tot Ion: 94 Resp: 12975

Ion Ratio Lower Upper

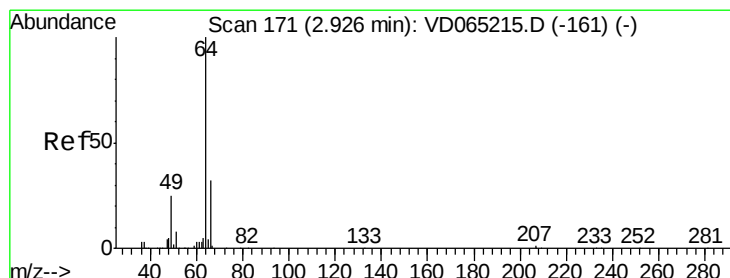
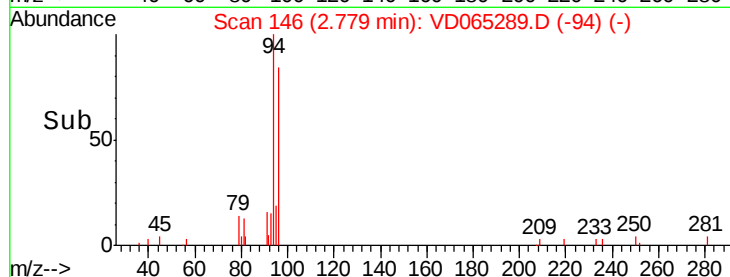
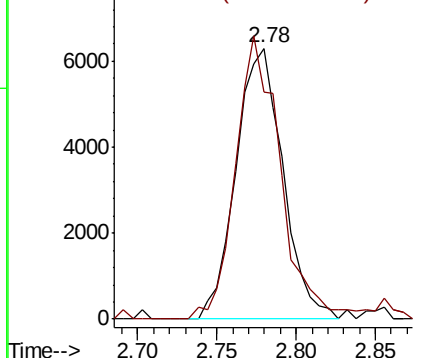
94 100

96 83.7 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 55.961 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065289.D

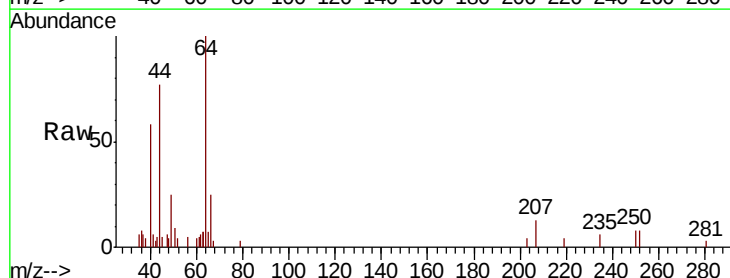
Acq: 24 Feb 2020 12:38

Tgt Ion: 64 Resp: 10318

Ion Ratio Lower Upper

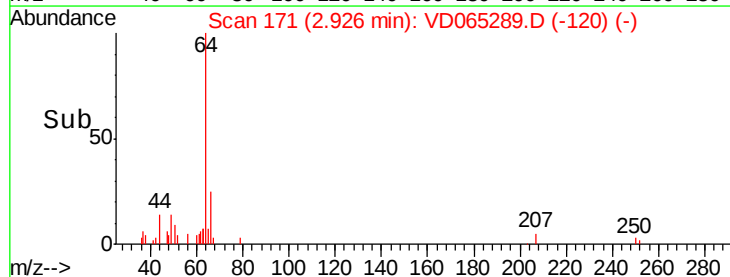
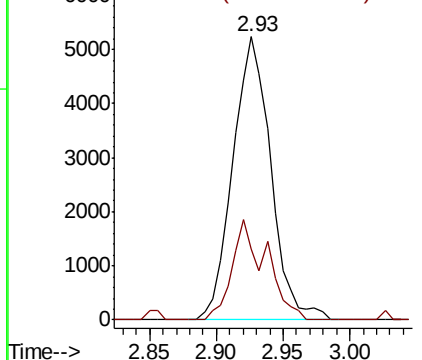
64 100

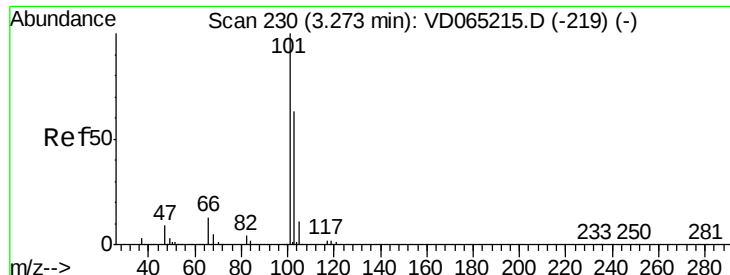
66 25.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



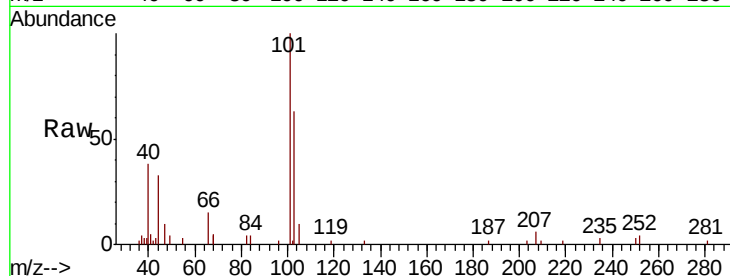


#7

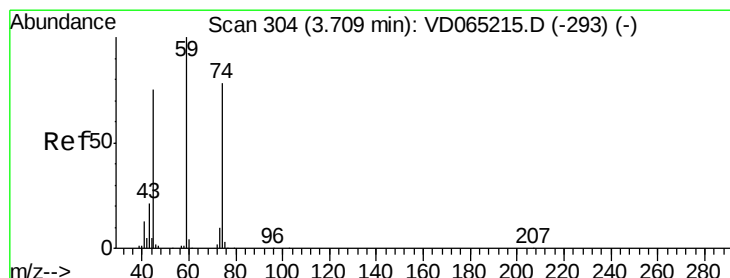
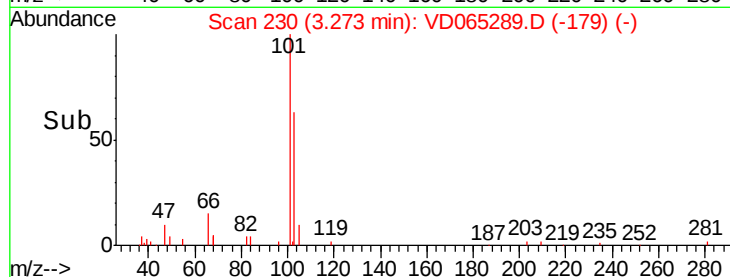
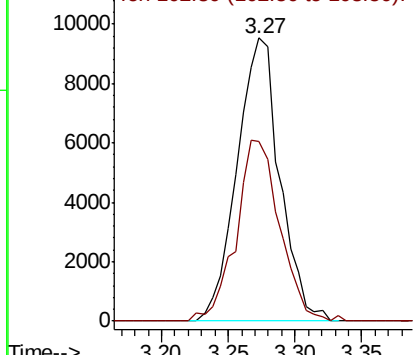
Trichlorofluoromethane
Concen: 49.009 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 21194
Ion Ratio Lower Upper
101 100
103 63.3 50.7 76.1



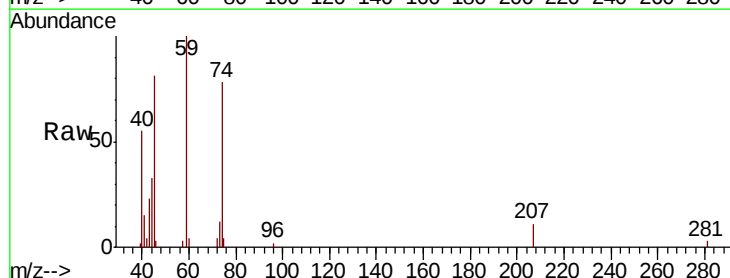
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



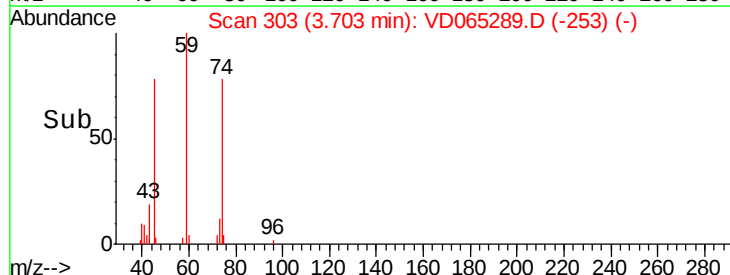
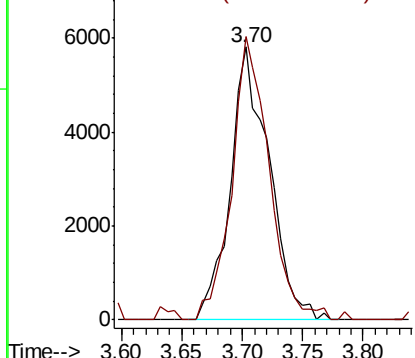
#8

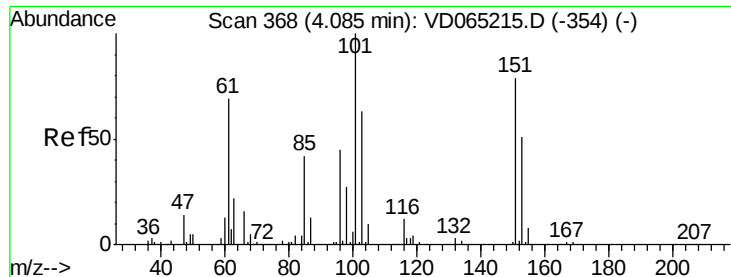
Diethyl Ether
Concen: 100.017 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 74 Resp: 13056
Ion Ratio Lower Upper
74 100
45 99.2 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.493 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

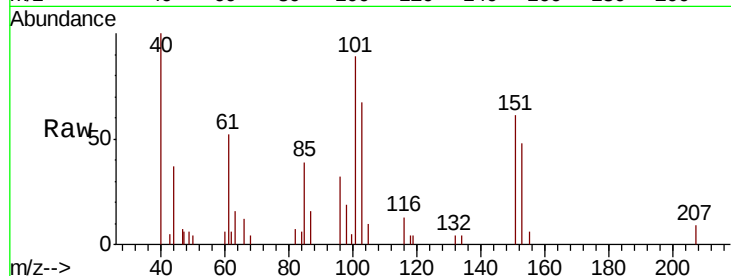
Tot Ion:101 Resp: 12151

Ion Ratio Lower Upper

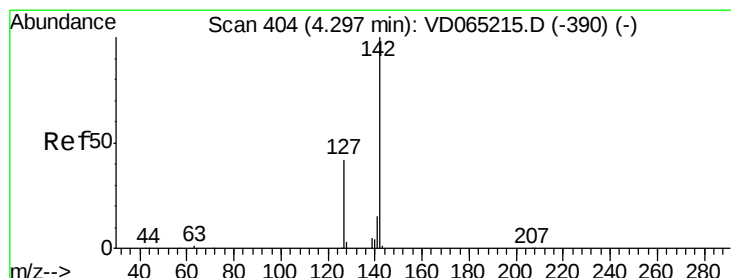
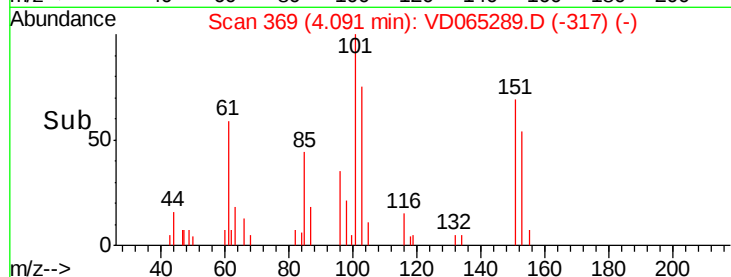
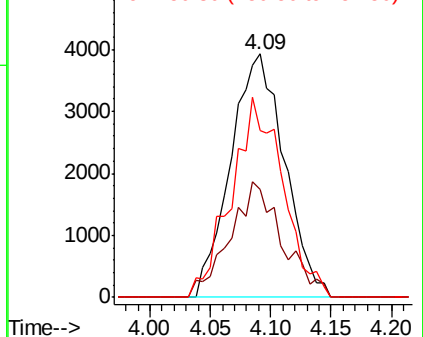
101 100

85 46.3 34.2 51.2

151 79.0 63.5 95.3



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: 53.560 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

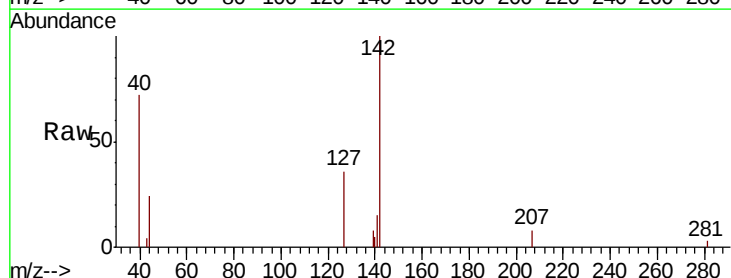
Tgt Ion:142 Resp: 15187

Ion Ratio Lower Upper

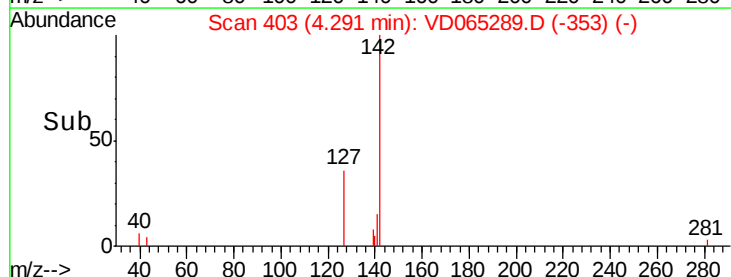
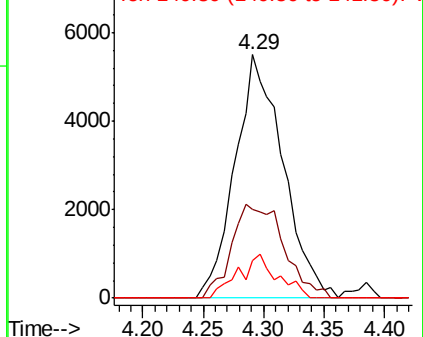
142 100

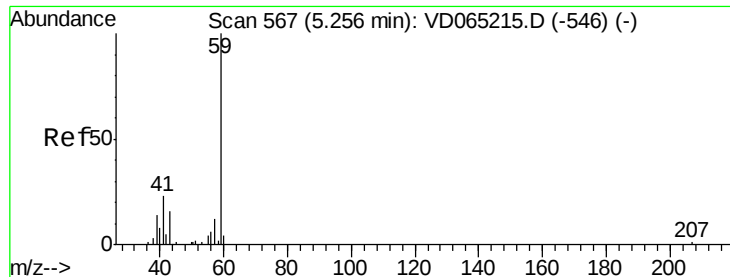
127 42.1 33.8 50.8

141 14.8 11.7 17.5



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



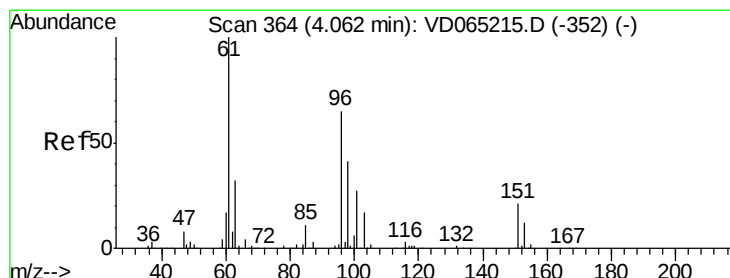
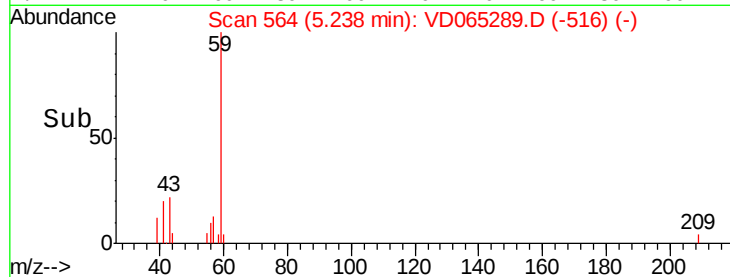
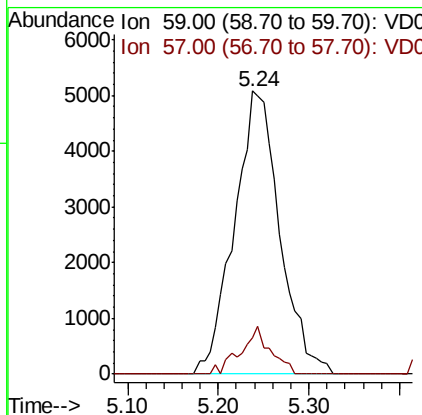
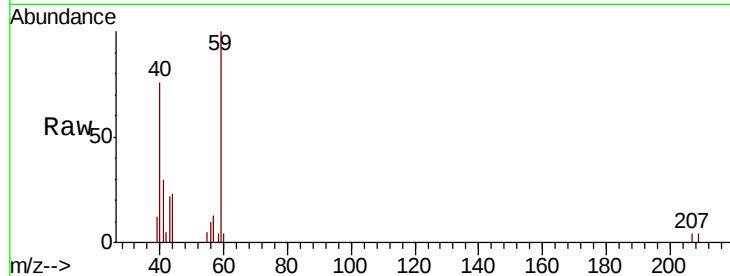


#11

Tert butyl alcohol
Concen: 1185.190 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

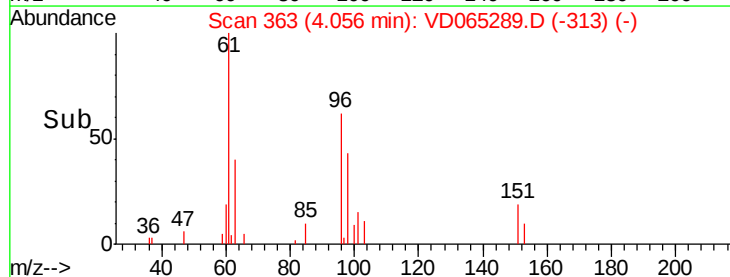
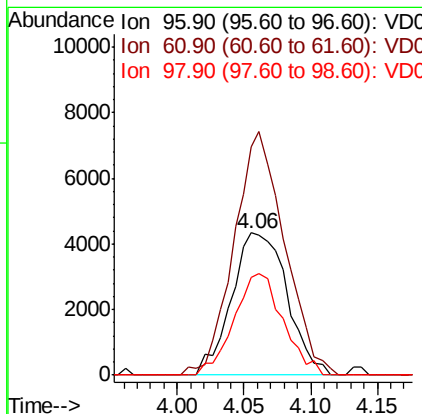
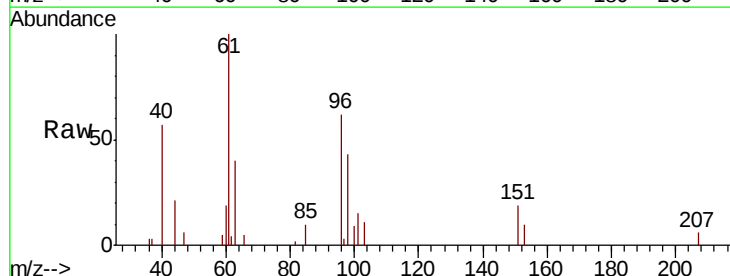
Tot Ion: 59 Resp: 17728
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

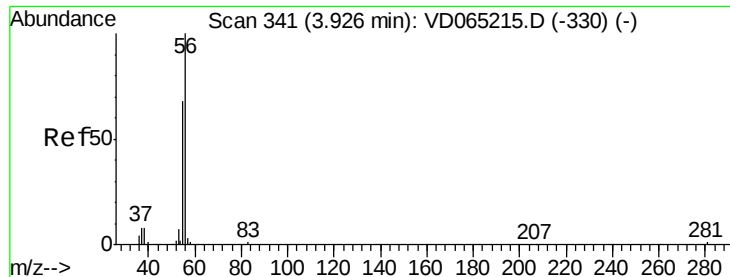


#12

1,1-Dichloroethene
Concen: 48.465 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 96 Resp: 12503
Ion Ratio Lower Upper
96 100
61 160.2 123.3 184.9
98 68.4 51.0 76.4





#13

Acrolein

Concen: 989.592 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

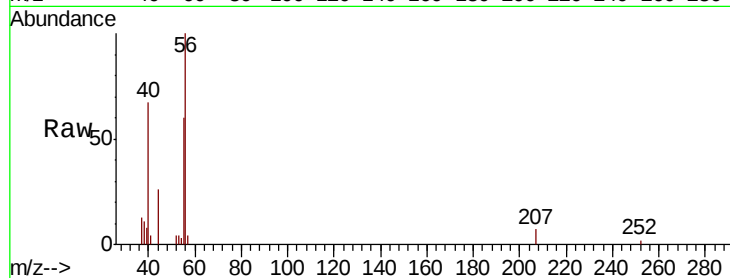
ClientSampleId :

Tot Ion: 56 Resp: 16546

Ion Ratio Lower Upper

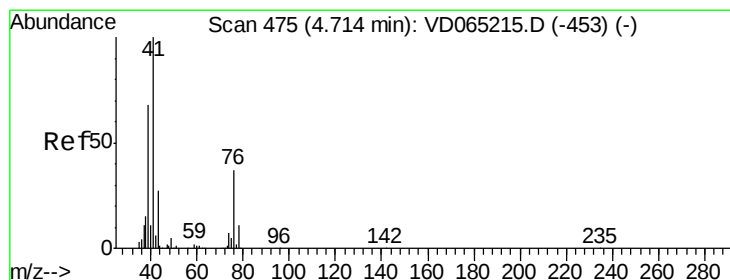
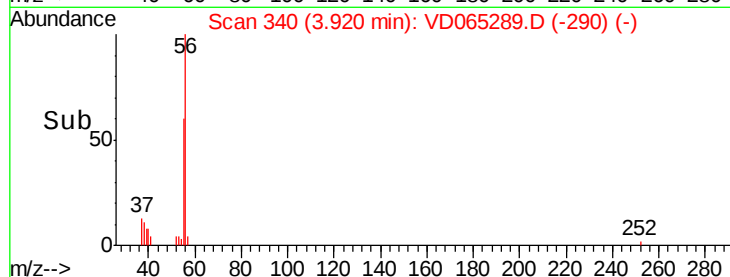
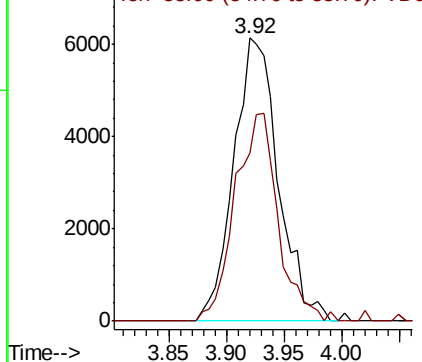
56 100

55 70.5 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 67.421 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

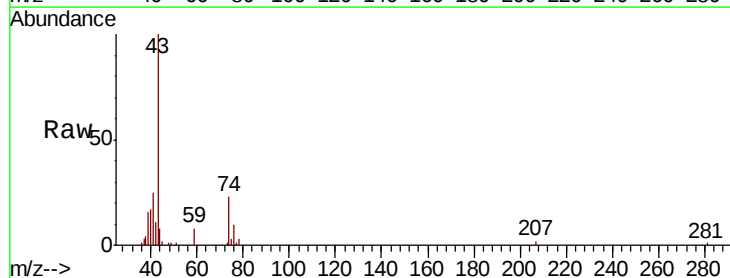
Tgt Ion: 41 Resp: 28245

Ion Ratio Lower Upper

41 100

39 55.6 53.8 80.6

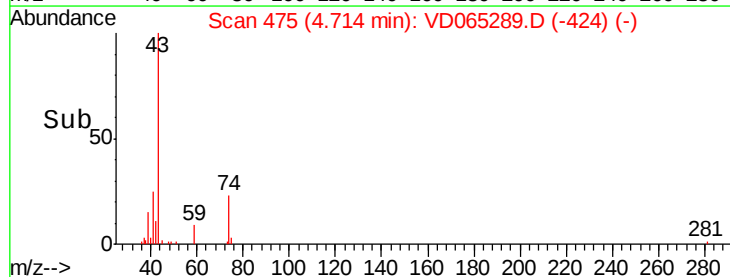
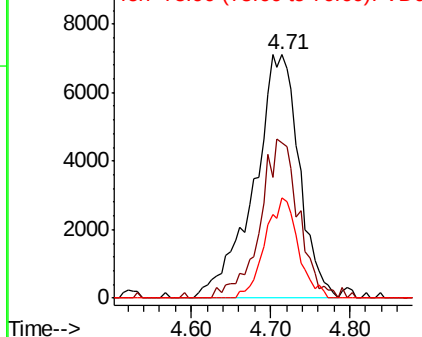
76 30.0 28.7 43.1

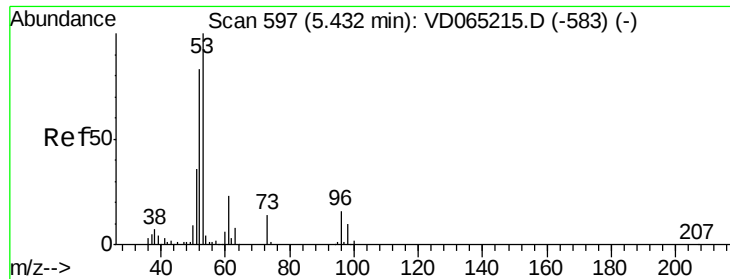


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 1144.072 ug/l

RT: 5.43 min Scan# 597

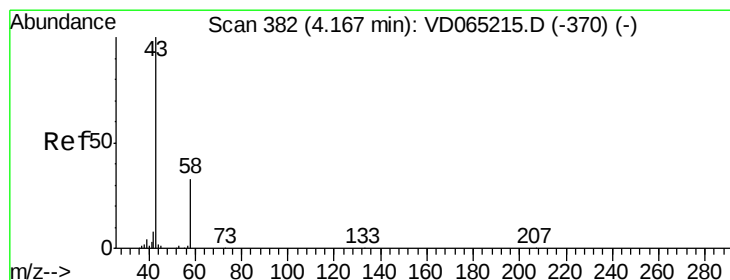
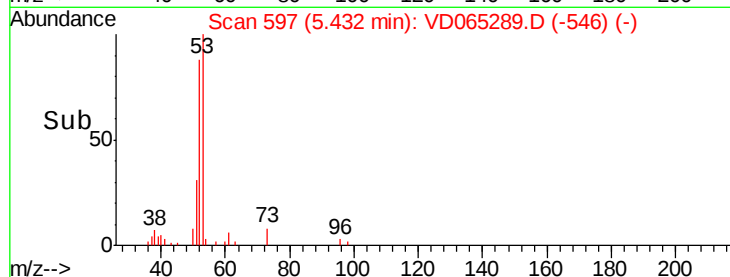
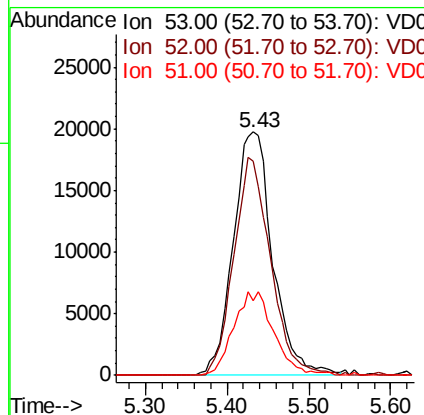
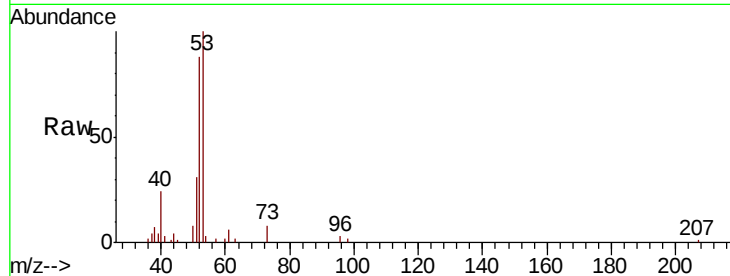
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	66120
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.4	98.2
51	35.1	29.5	44.3



#16

Acetone

Concen: 865.867 ug/l

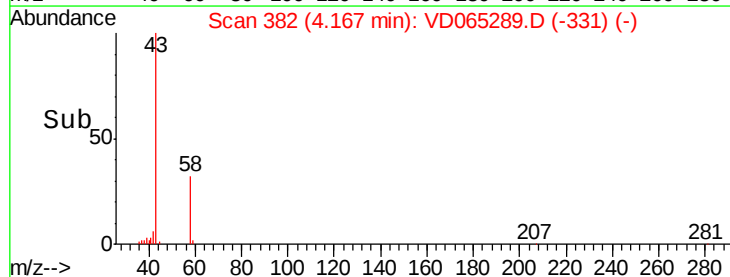
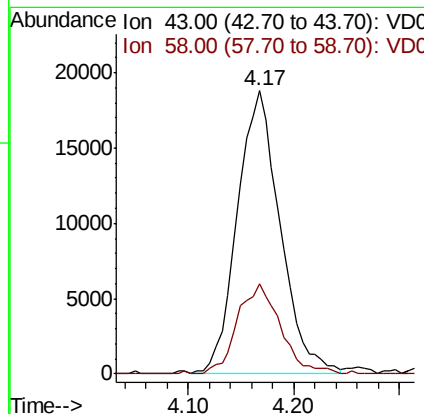
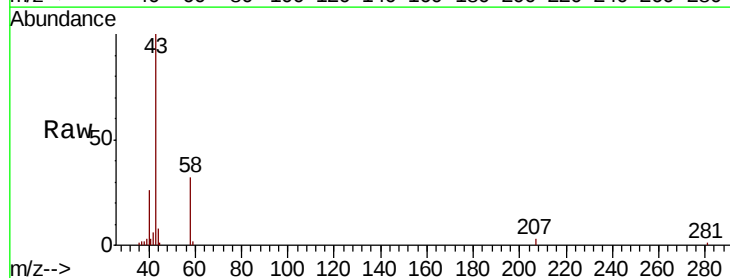
RT: 4.17 min Scan# 382

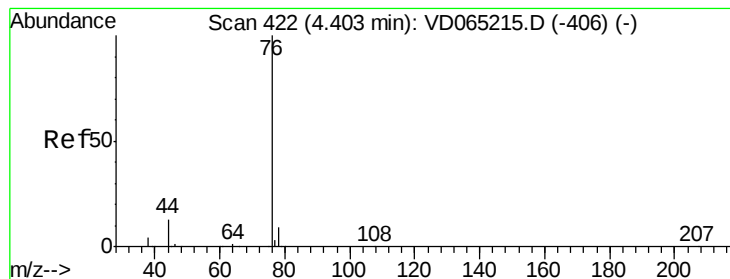
Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Tgt Ion:	43	Resp:	52982
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.2





#17

Carbon Disulfide

Concen: 46.141 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

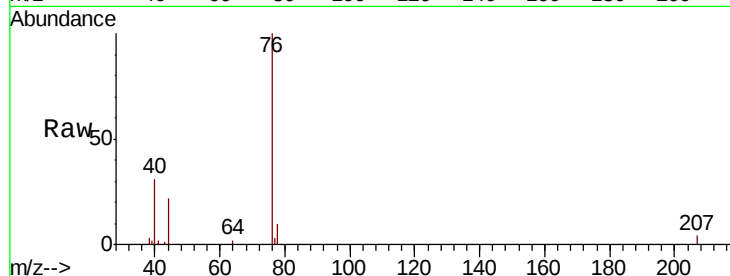
ClientSampleId :

Tot Ion: 76 Resp: 39908

Ion Ratio Lower Upper

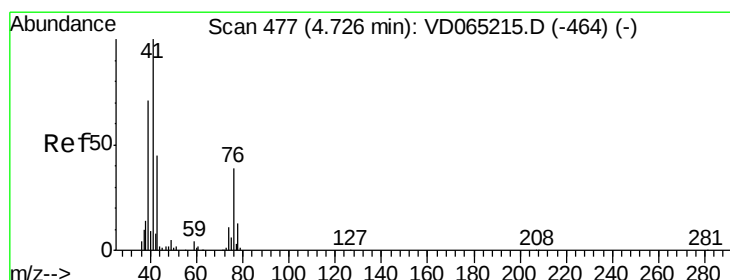
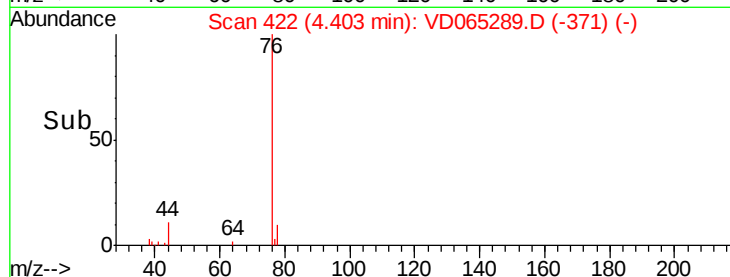
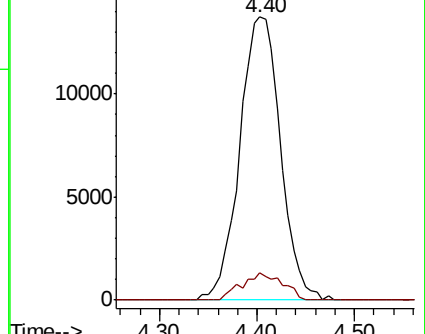
76 100

78 9.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 694.288 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065289.D

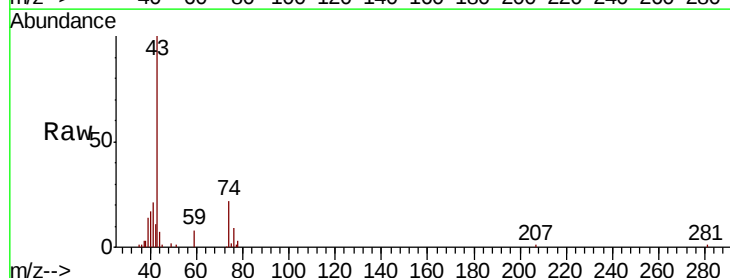
Acq: 24 Feb 2020 12:38

Tgt Ion: 43 Resp: 95548

Ion Ratio Lower Upper

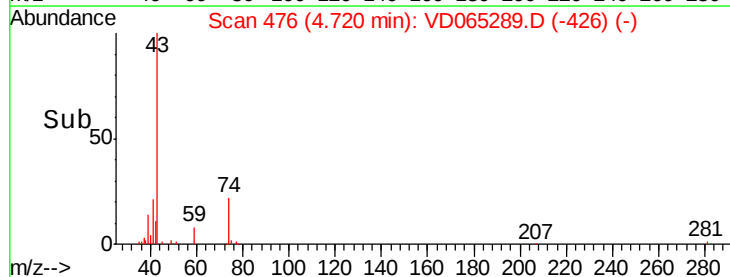
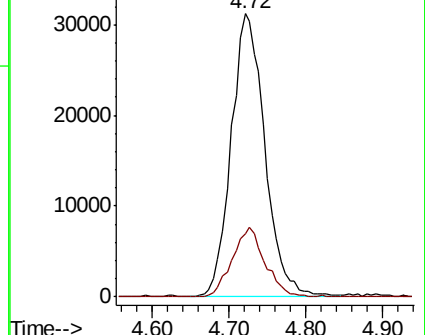
43 100

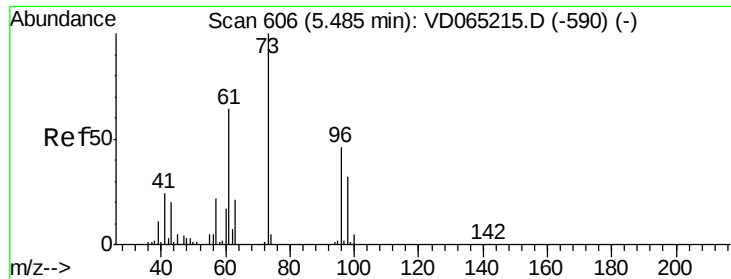
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

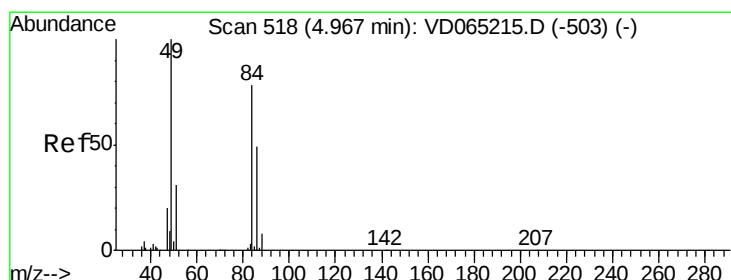
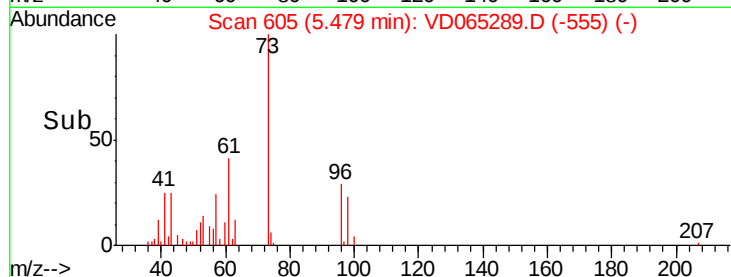
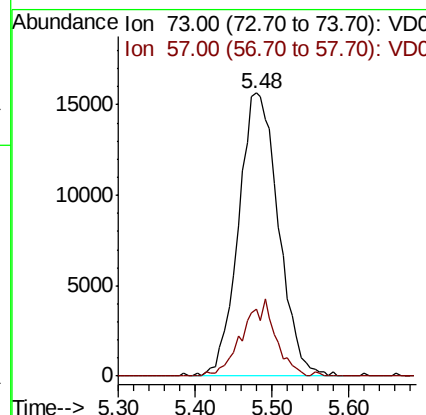
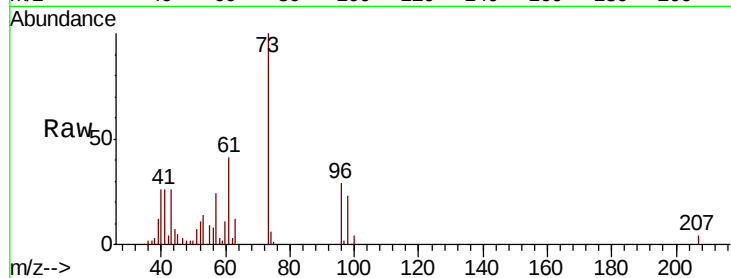




#19
Methyl tert-butyl Ether
Concen: 105.339 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

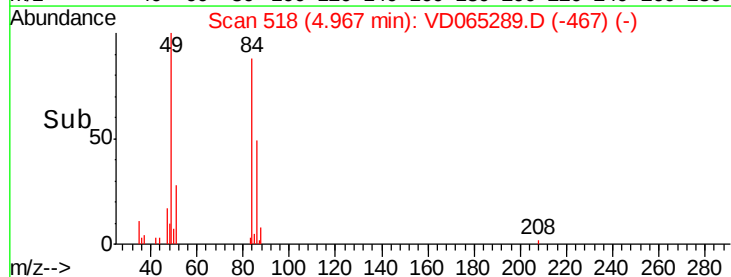
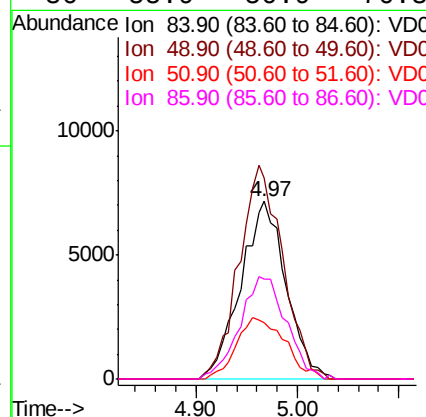
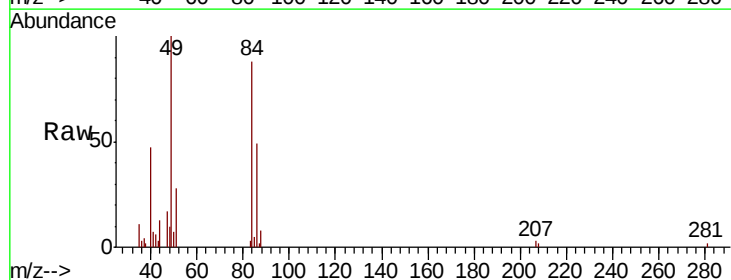
Instrument :
MSVOA_D
ClientSampled :

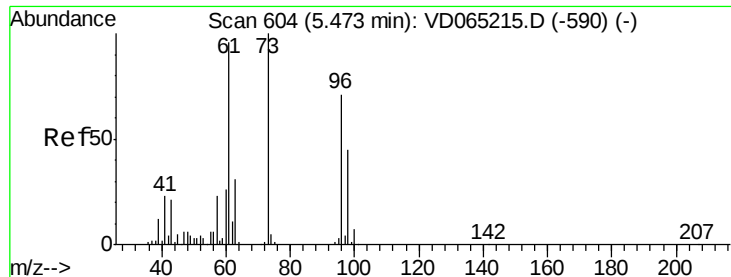
Tot Ion: 73 Resp: 56670
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9



#20
Methylene Chloride
Concen: 85.015 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 84 Resp: 22279
Ion Ratio Lower Upper
84 100
49 113.3 103.1 154.7
51 31.9 31.7 47.5
86 55.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 53.196 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

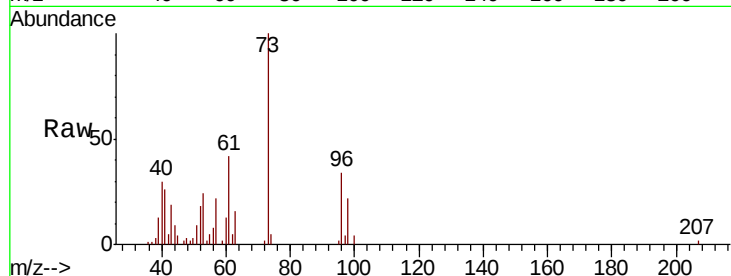
Tot Ion: 96 Resp: 15601

Ion Ratio Lower Upper

96 100

61 123.4 108.3 162.5

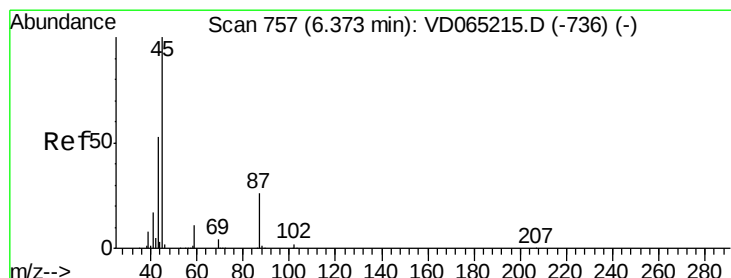
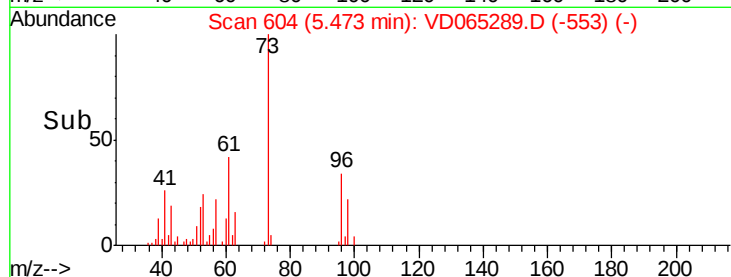
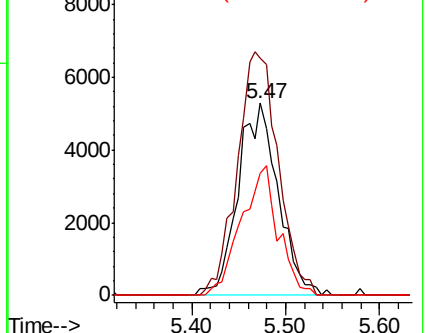
98 63.4 50.7 76.1



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: 64.738 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Tgt Ion: 45 Resp: 52283

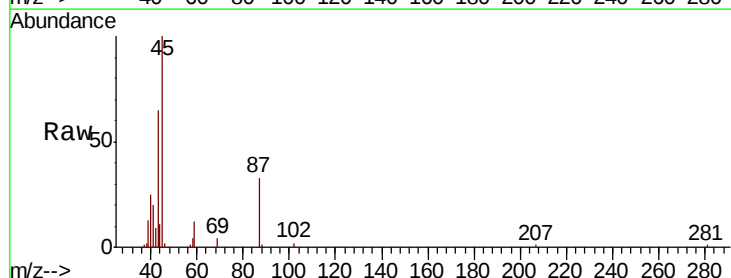
Ion Ratio Lower Upper

45 100

43 63.4 42.6 64.0

87 33.2 21.2 31.8#

59 12.2 8.9 13.3

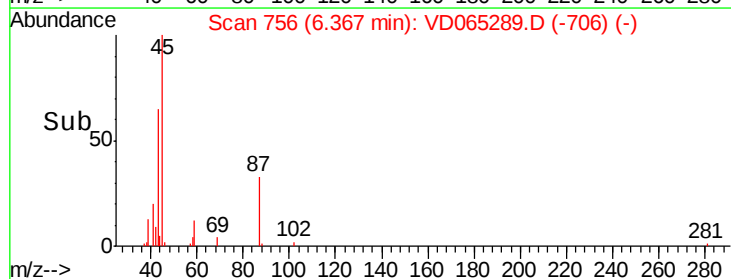
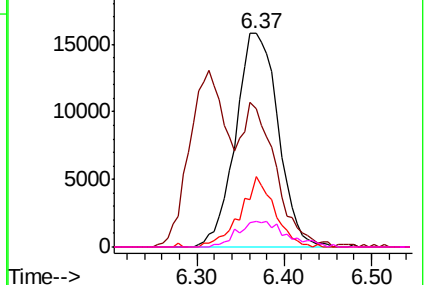


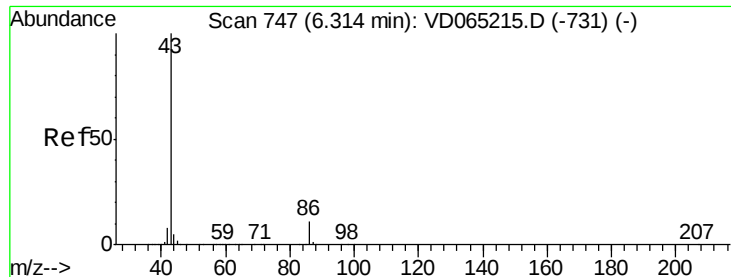
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 87.770 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

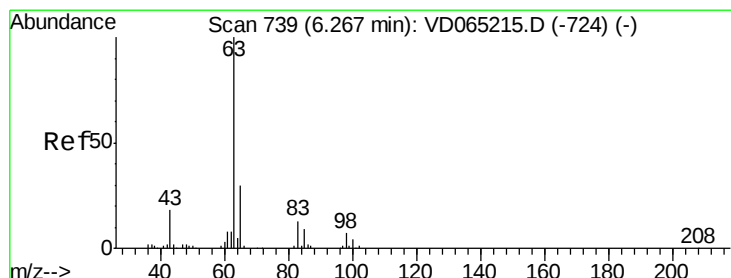
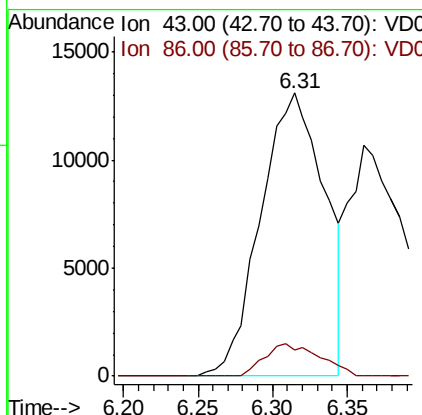
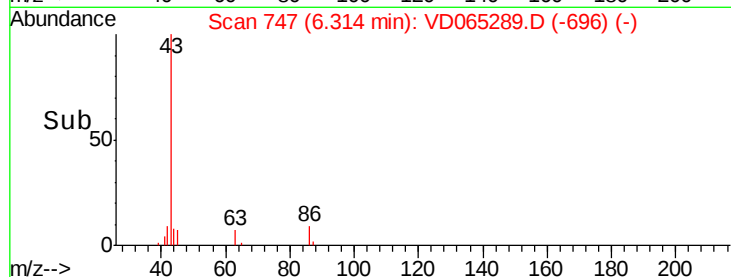
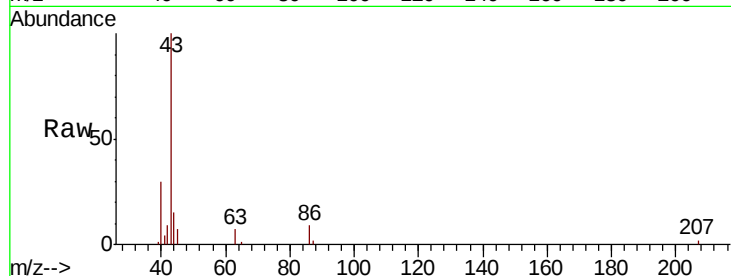
ClientSampled :

Tot Ion: 43 Resp: 39078

Ion Ratio Lower Upper

43 100

86 9.0 8.6 12.8



#24

1,1-Dichloroethane

Concen: 58.944 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

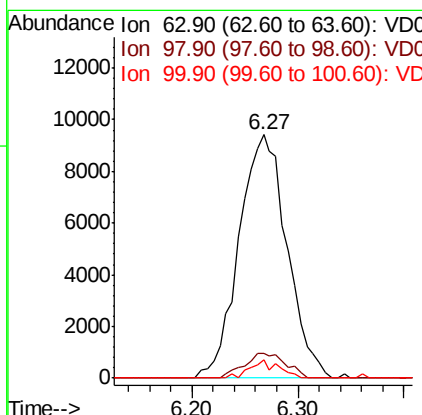
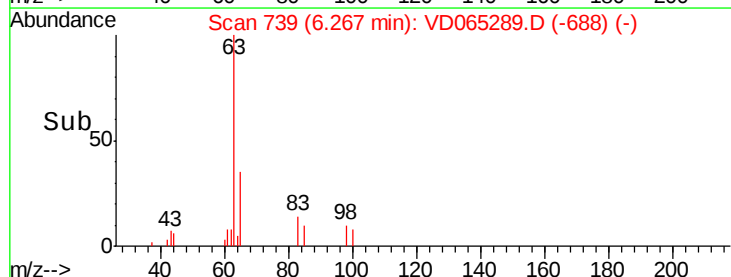
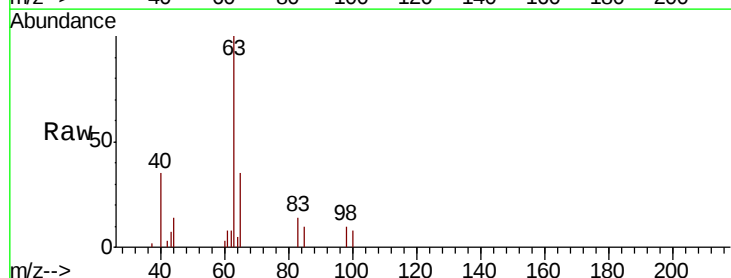
Tgt Ion: 63 Resp: 29527

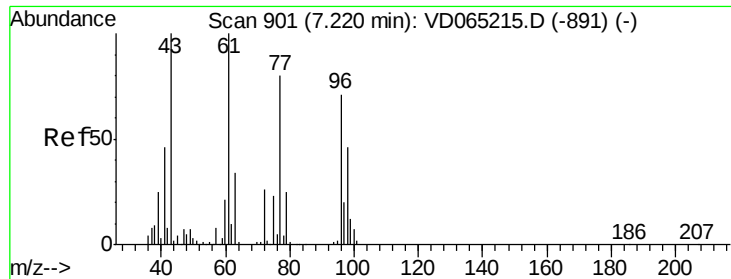
Ion Ratio Lower Upper

63 100

98 10.0 3.4 10.1

100 7.5 2.3 6.8#





#25

2-Butanone

Concen: 1030.315 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

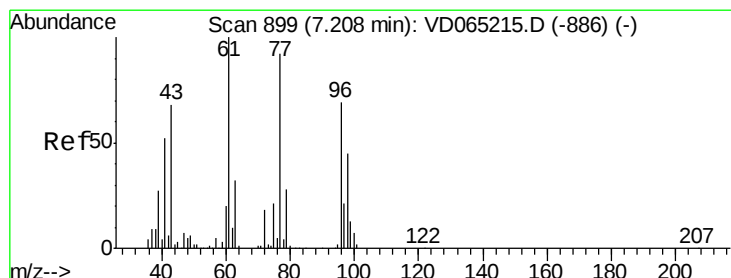
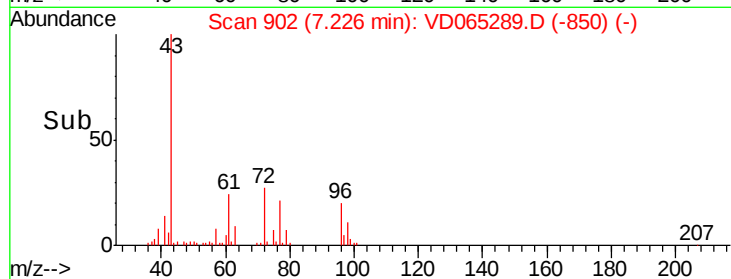
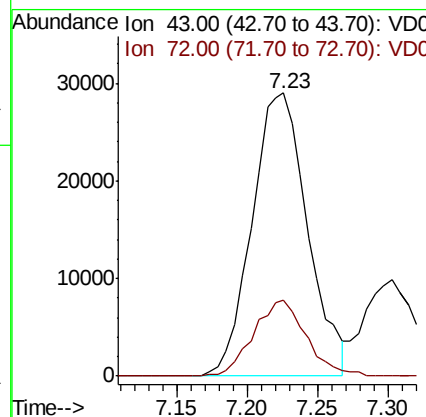
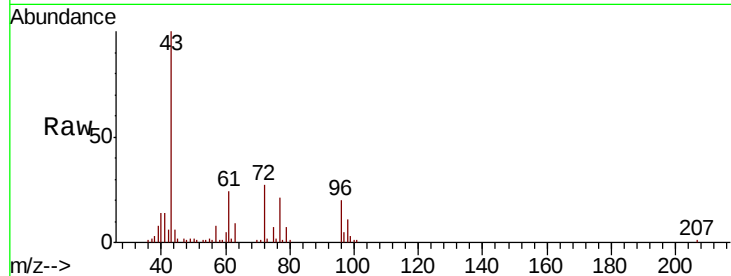
ClientSampled :

Tot Ion: 43 Resp: 79765

Ion Ratio Lower Upper

43 100

72 26.9 20.9 31.3



#26

2,2-Dichloropropane

Concen: 49.680 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065289.D

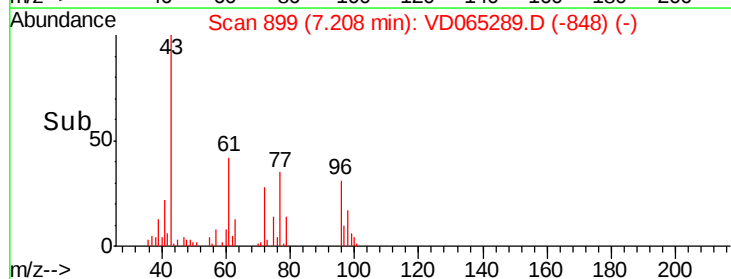
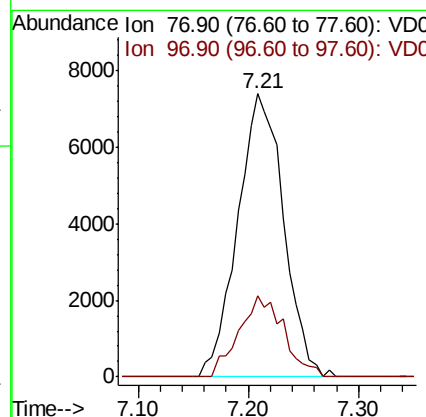
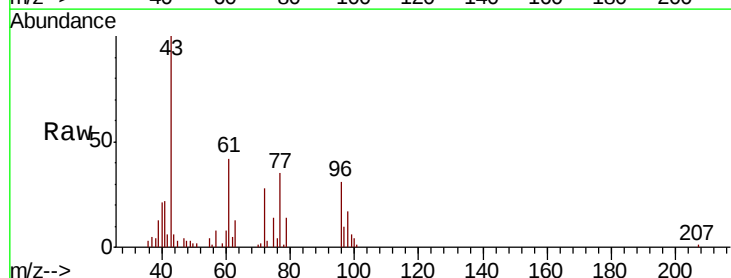
Acq: 24 Feb 2020 12:38

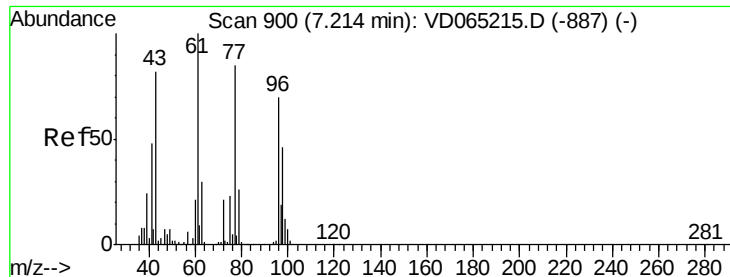
Tgt Ion: 77 Resp: 21592

Ion Ratio Lower Upper

77 100

97 27.9 11.7 35.1



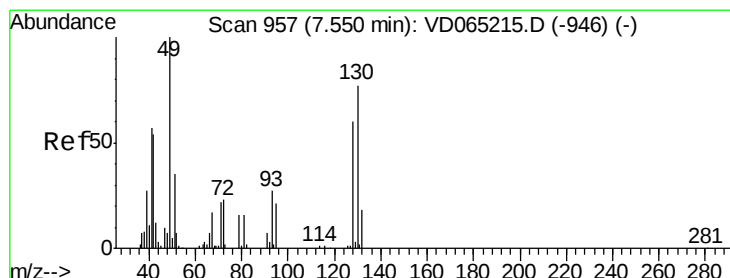
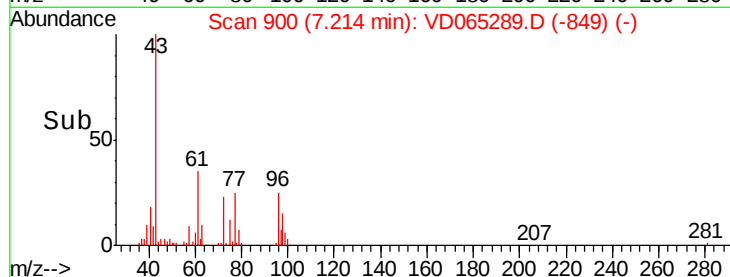
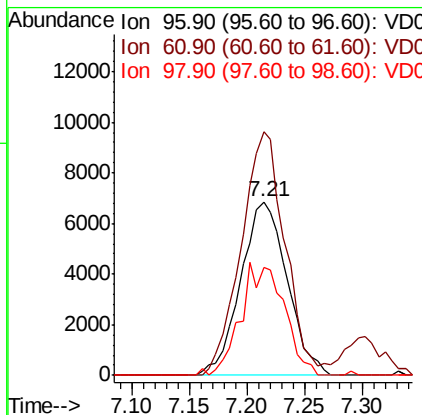
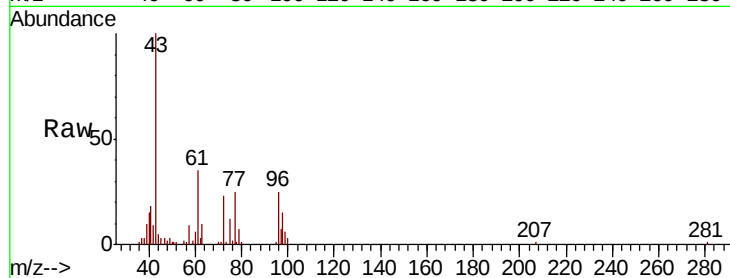


#27

cis-1,2-Dichloroethene
 Concen: 61.760 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

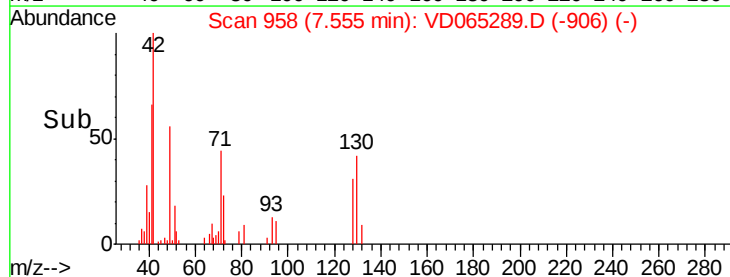
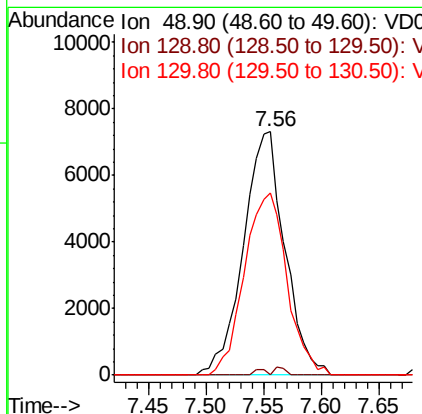
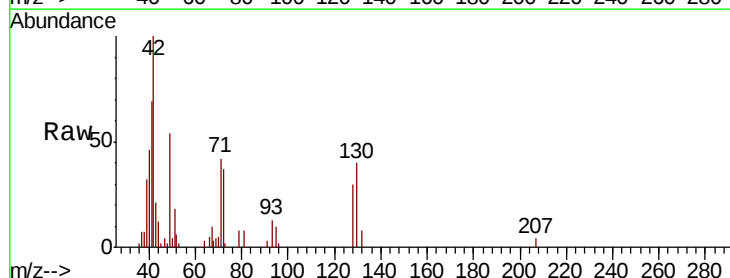
Tot Ion	96	Resp	19186
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	286.0
98	60.4	0.0	127.8

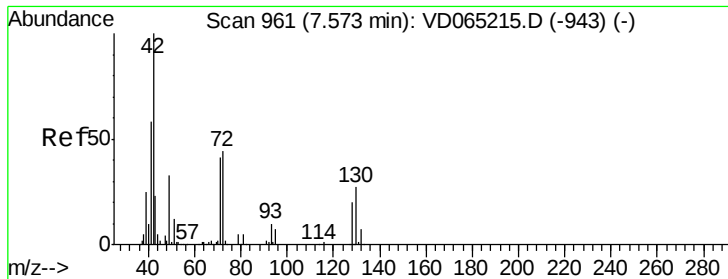


#28

Bromochloromethane
 Concen: 98.534 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion	49	Resp	18312
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	76.7	64.7	97.1

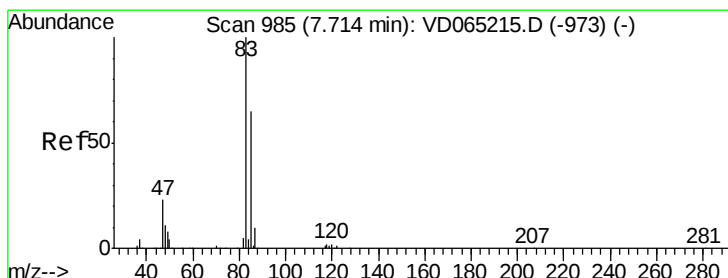
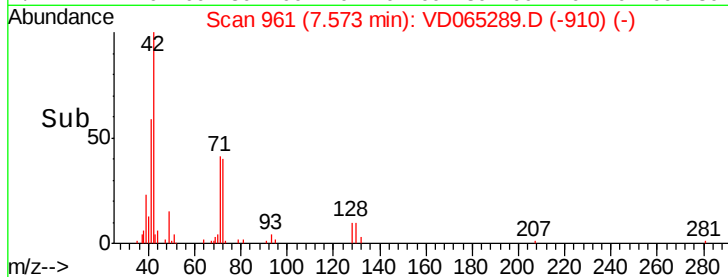
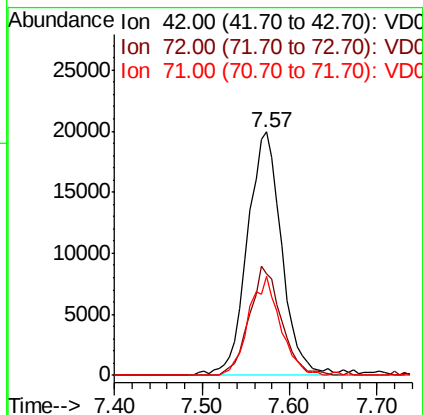
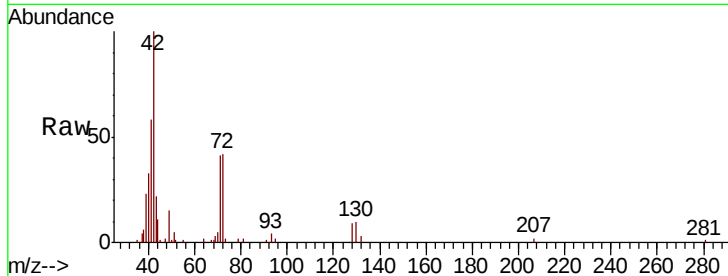




#29
Tetrahydrofuran
Concen: 1172.922 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

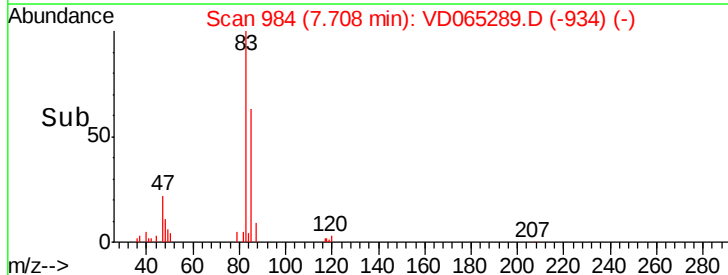
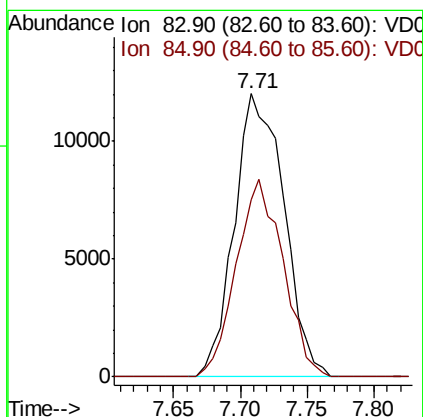
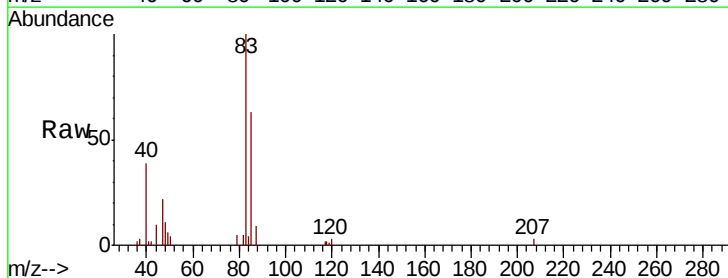
Instrument :
MSVOA_D
ClientSampled :

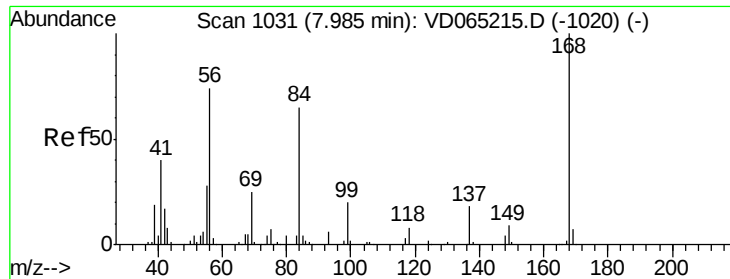
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	37.2	31.4	47.2



#30
Chloroform
Concen: 61.418 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.3	78.5

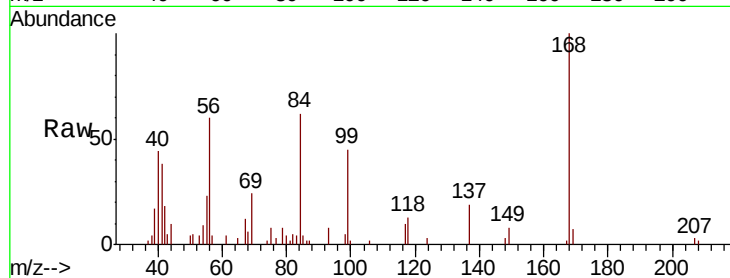




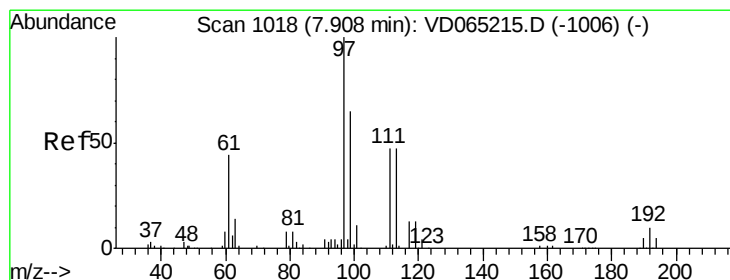
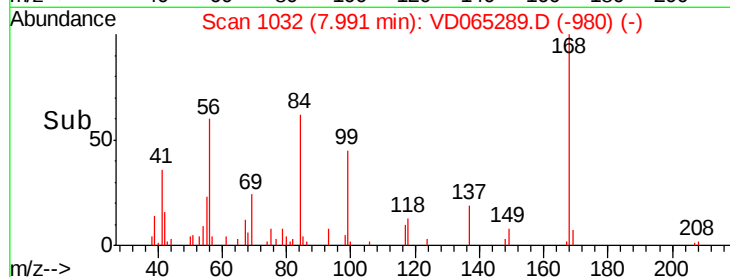
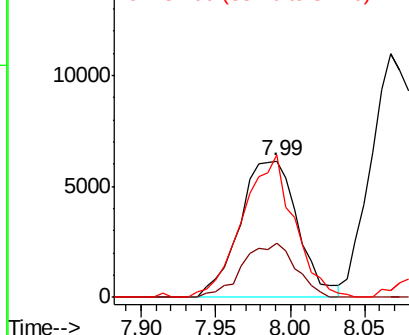
#31
Cyclohexane
Concen: 33.701 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 16587
Ion Ratio Lower Upper
56 100
69 39.7 27.4 41.0
84 103.9 71.1 106.7

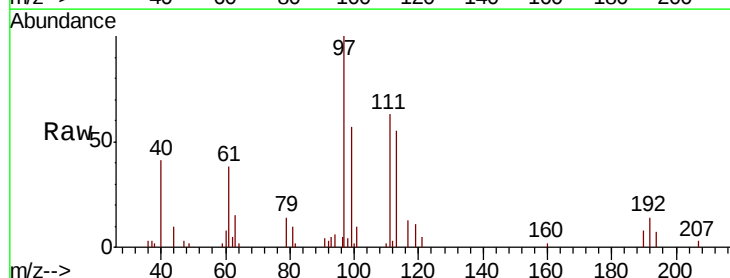


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

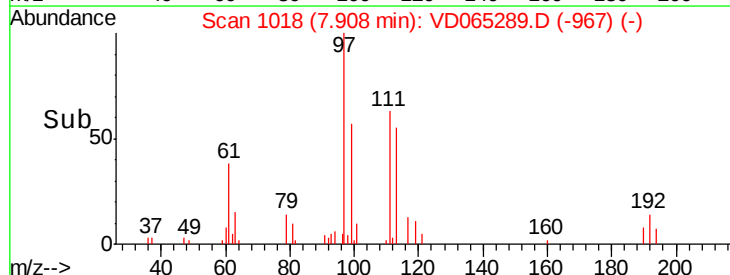
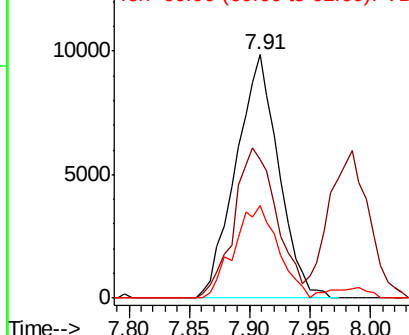


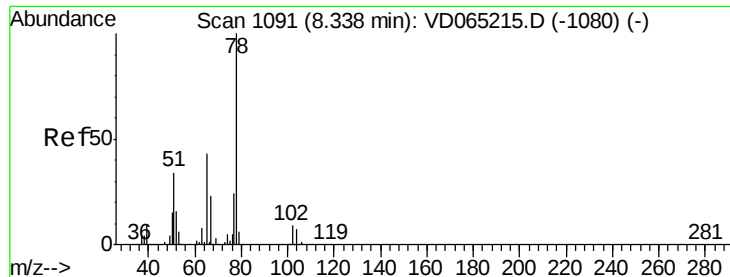
#32
1,1,1-Trichloroethane
Concen: 53.805 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 97 Resp: 24295
Ion Ratio Lower Upper
97 100
99 61.9 51.4 77.2
61 39.1 34.8 52.2



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





#33

1,2-Dichloroethane-d4

Concen: 93.773 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

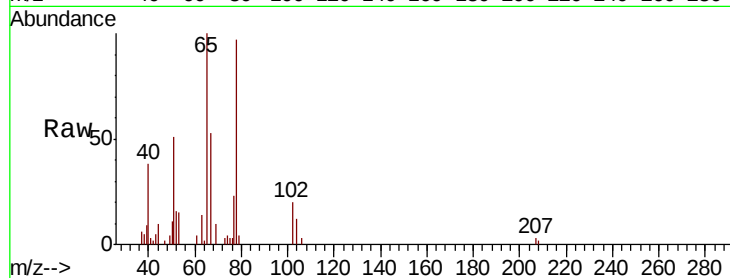
ClientSampleId :

Tot Ion: 65 Resp: 23473

Ion Ratio Lower Upper

65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

12000

10000

8000

6000

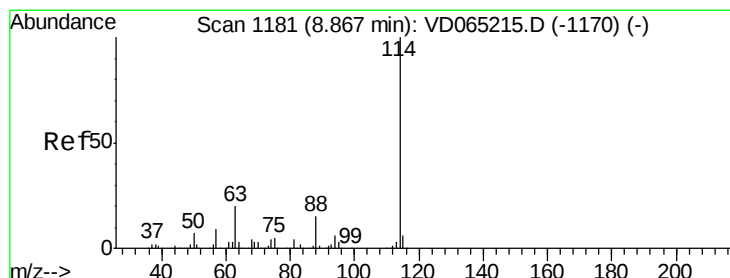
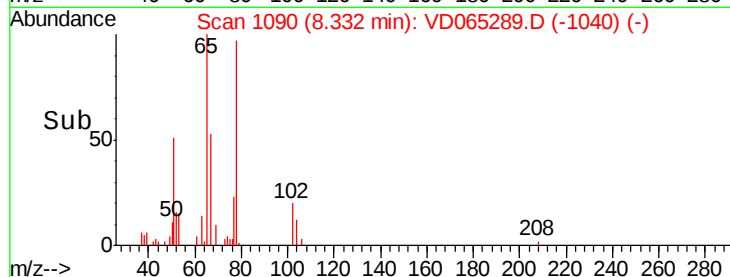
4000

2000

0

Time-->

8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

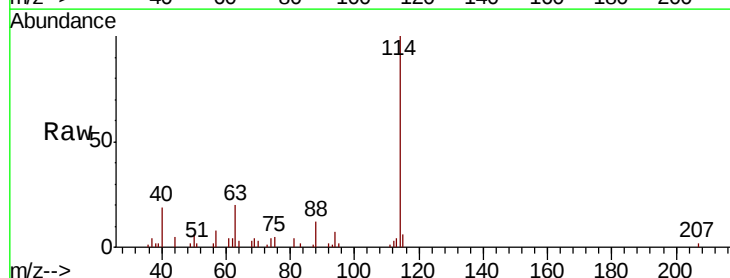
Tgt Ion: 114 Resp: 42763

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 11.5 0.0 30.4



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

30000

25000

20000

15000

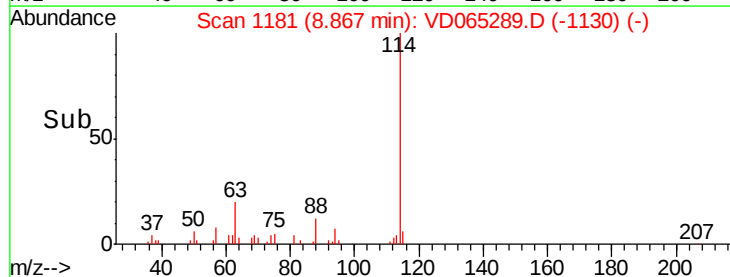
10000

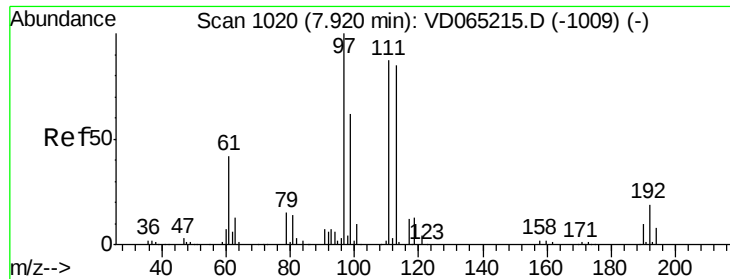
5000

0

Time-->

8.80 8.85 8.90 8.95

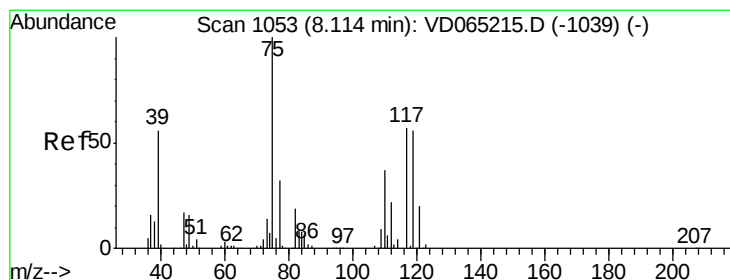
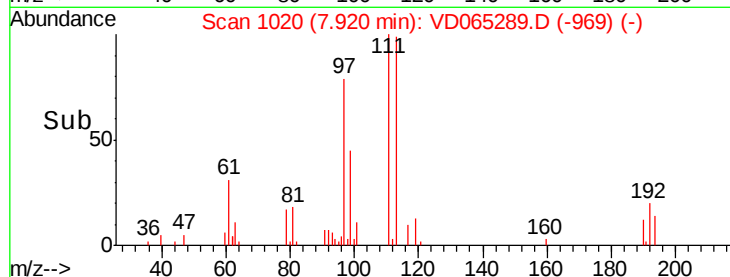
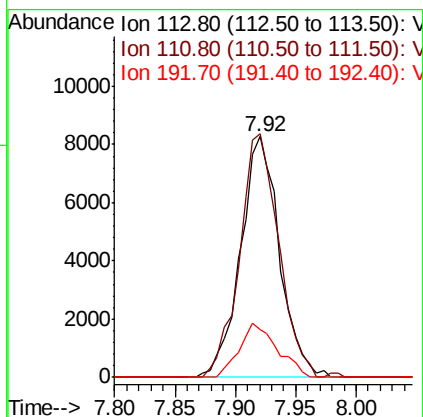
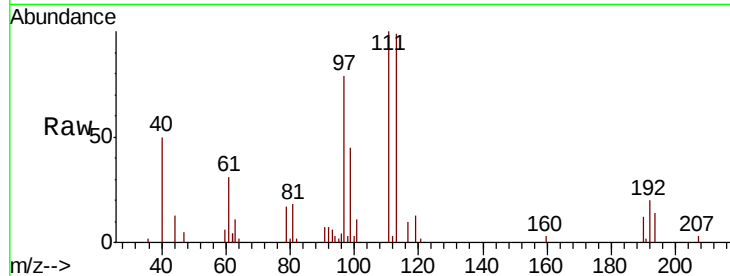




#35
 Dibromofluoromethane
 Concen: 71.089 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

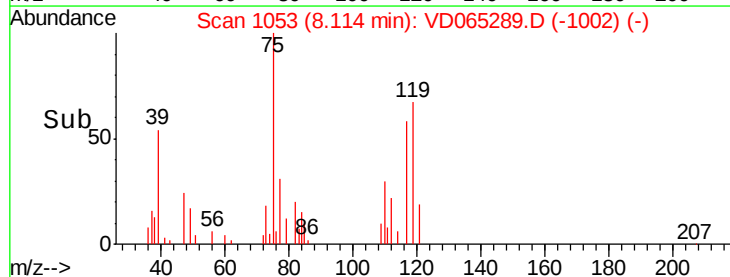
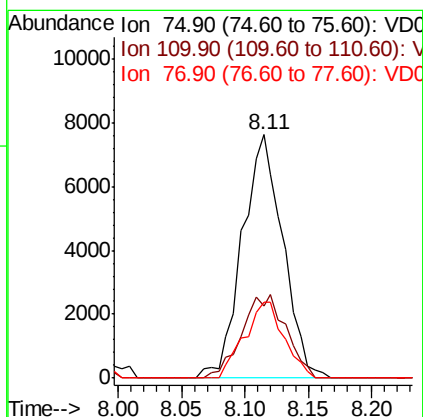
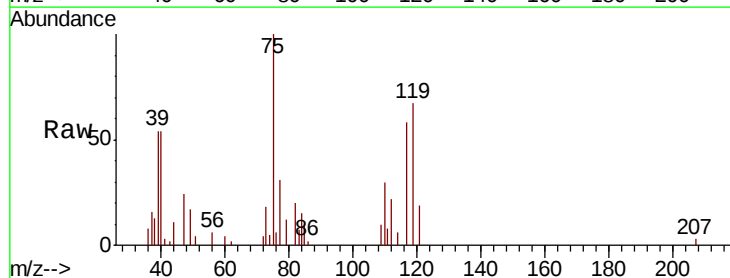
Instrument :
 MSVOA_D
 ClientSampleId :

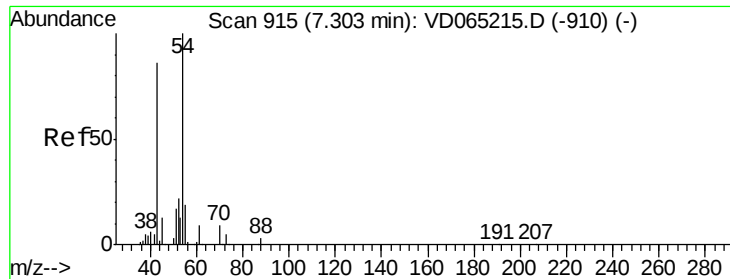
Tot Ion:113 Resp: 18536
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.9 124.3
 192 21.8 17.3 25.9



#36
 1,1-Dichloropropene
 Concen: 40.847 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 75 Resp: 16996
 Ion Ratio Lower Upper
 75 100
 110 37.1 17.9 53.7
 77 30.7 25.1 37.7

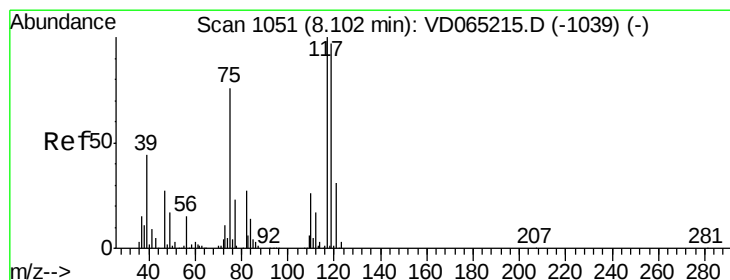
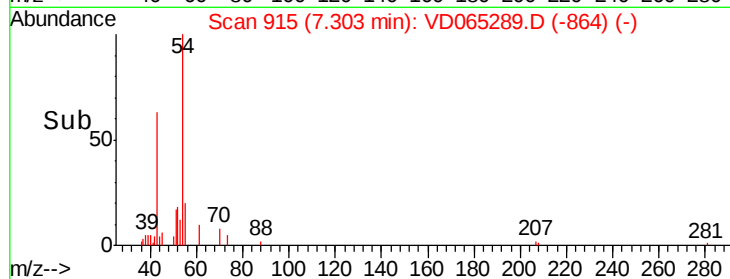
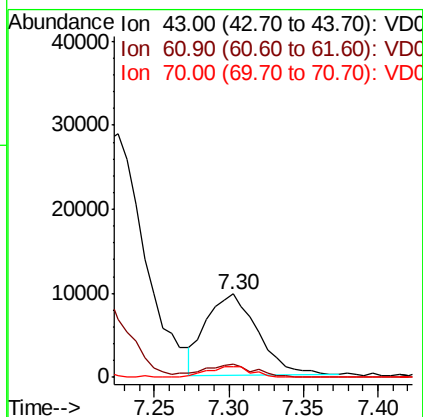
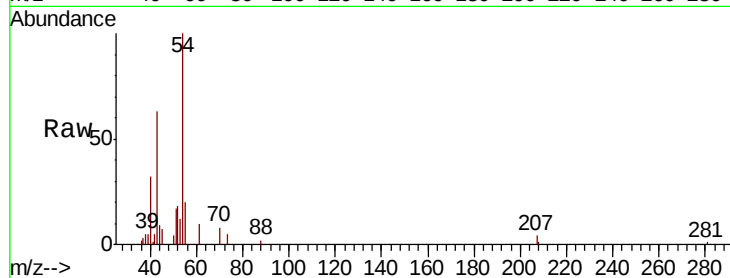




#37
Ethyl Acetate
Concen: 135.953 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

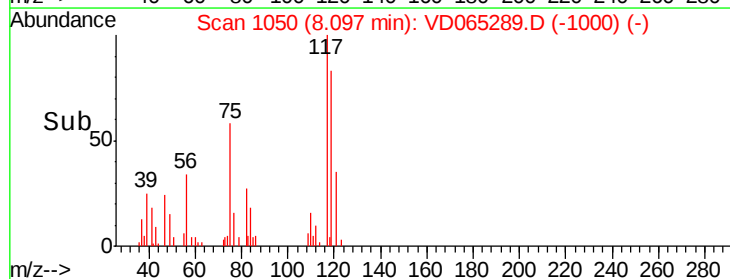
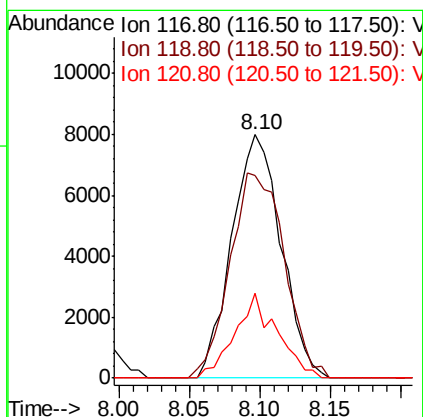
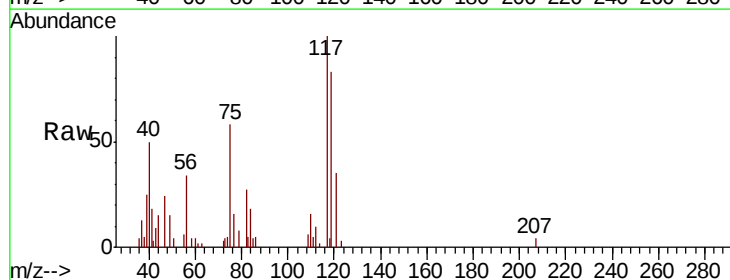
Instrument :
MSVOA_D
ClientSampleId :

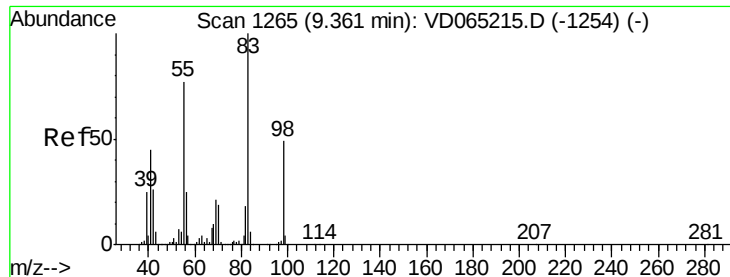
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.2	16.8
70	11.2	8.2	12.2



#38
Carbon Tetrachloride
Concen: 46.073 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	83.3	77.6	116.4
121	34.7	24.8	37.2

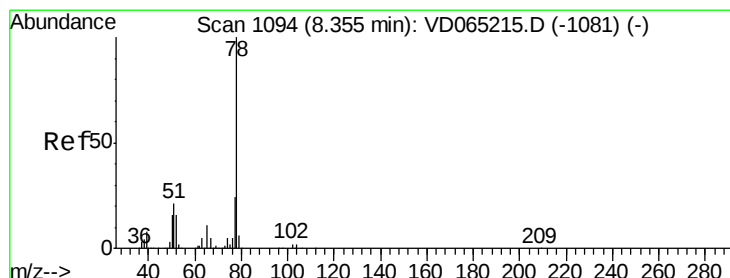
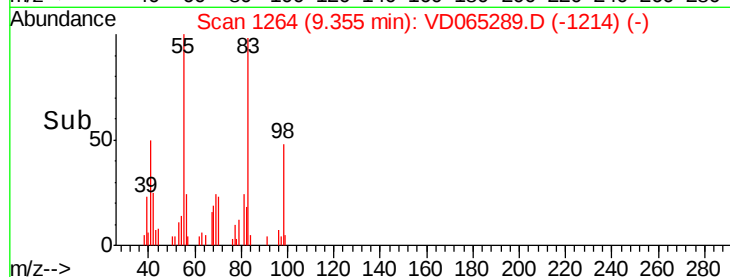
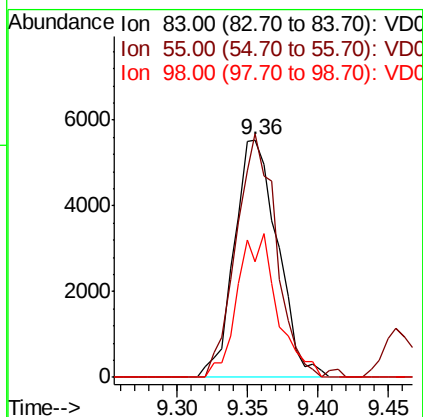
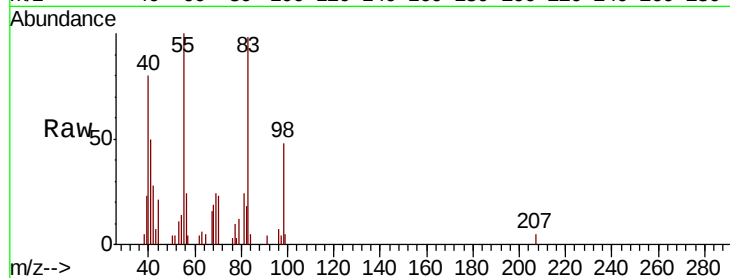




#39
Methvlcvclohexane
Concen: 24.251 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

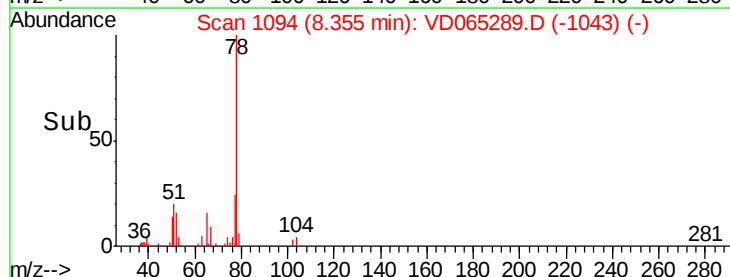
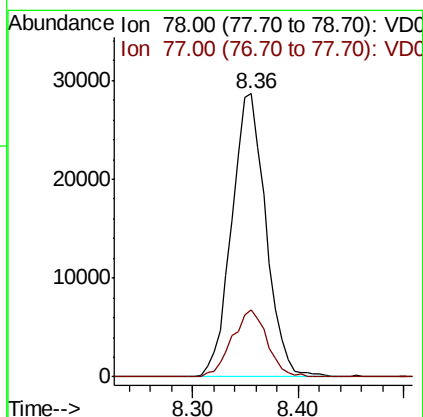
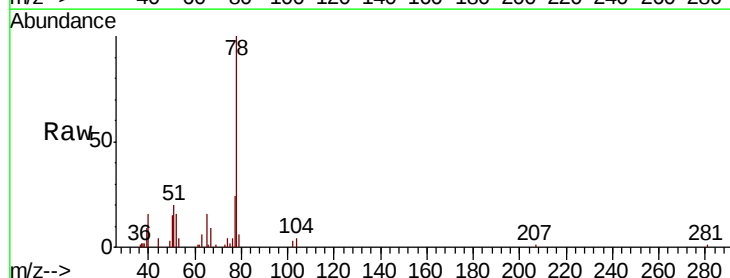
Instrument :
MSVOA_D
ClientSampleId :

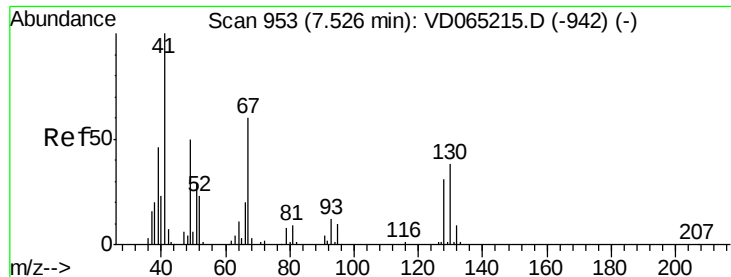
Tot Ion: 83 Resp: 11863
Ion Ratio Lower Upper
83 100
55 102.4 61.8 92.6#
98 48.7 39.4 59.0



#40
Benzene
Concen: 54.543 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 78 Resp: 64058
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

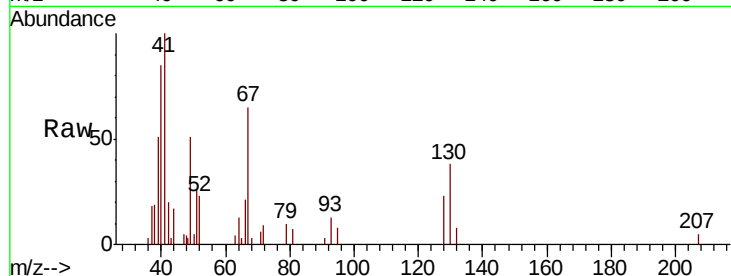




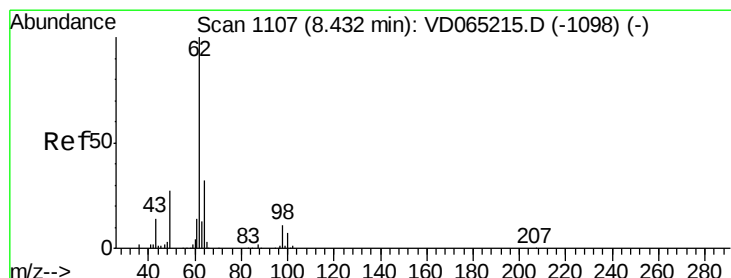
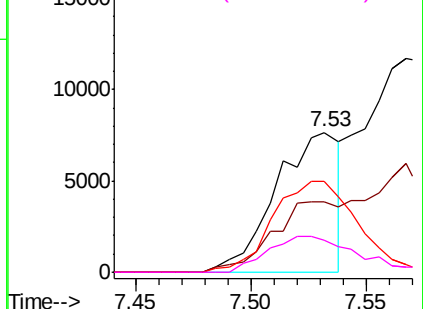
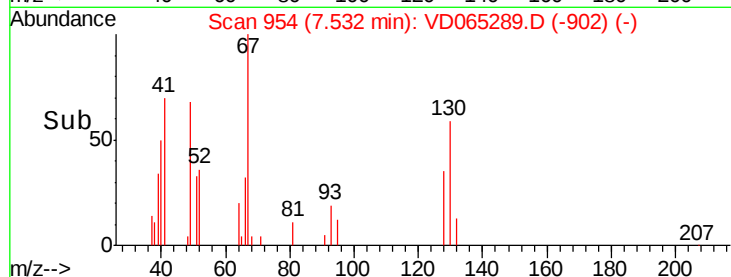
#41
Methacrylonitrile
Concen: 147.729 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	14837
Ion	Ratio	Lower	Upper
41	100		
39	52.3	48.1	72.1
67	85.2	58.9	88.3
52	35.2	24.2	36.2

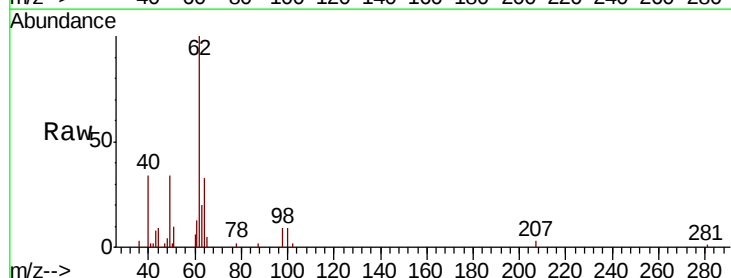


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

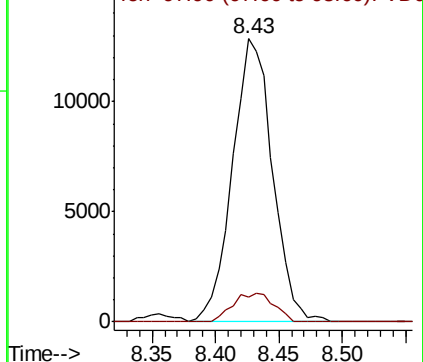
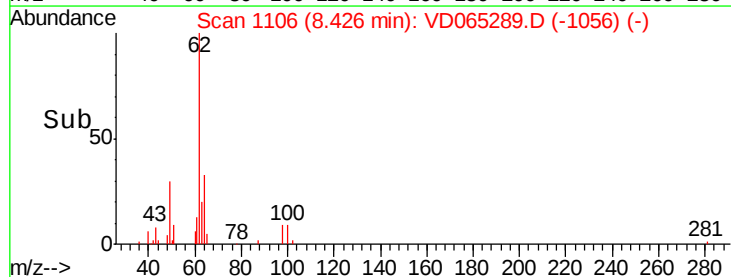


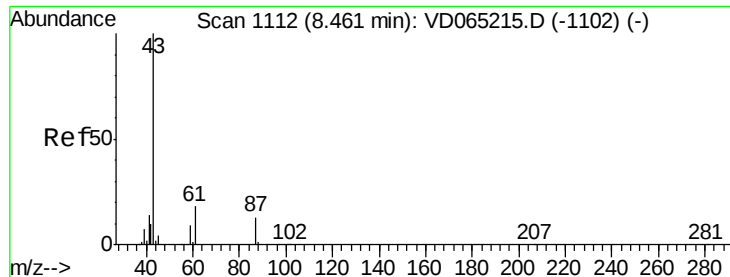
#42
1,2-Dichloroethane
Concen: 87.233 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:	62	Resp:	28165
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 127.555 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

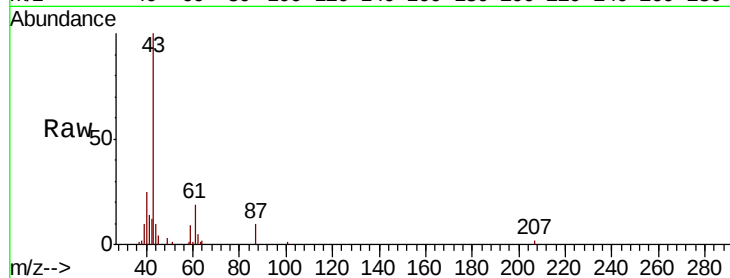
Tot Ion: 43 Resp: 40347

Ion Ratio Lower Upper

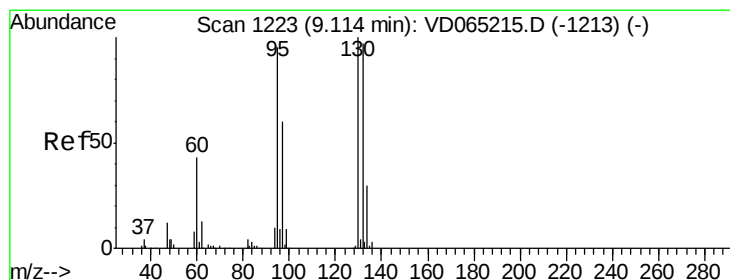
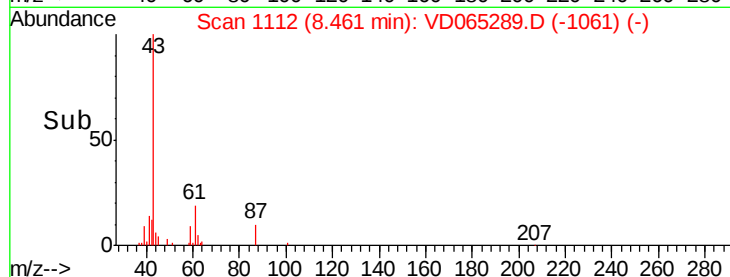
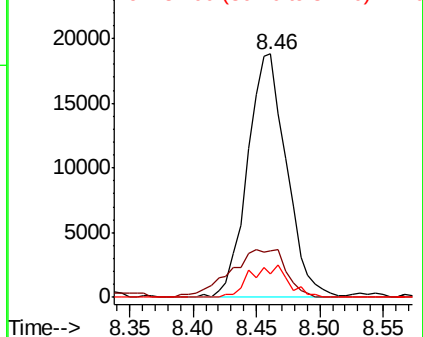
43 100

61 27.9 24.6 36.8

87 12.8 10.6 16.0



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: 46.395 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065289.D

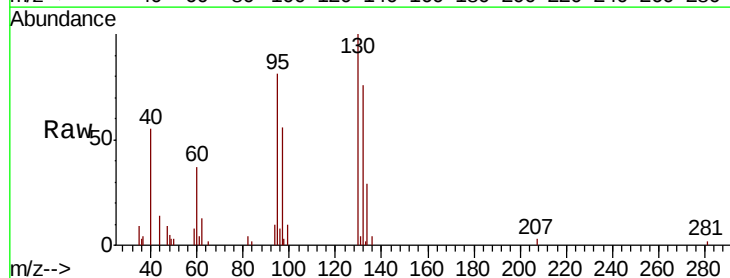
Acq: 24 Feb 2020 12:38

Tgt Ion:130 Resp: 15104

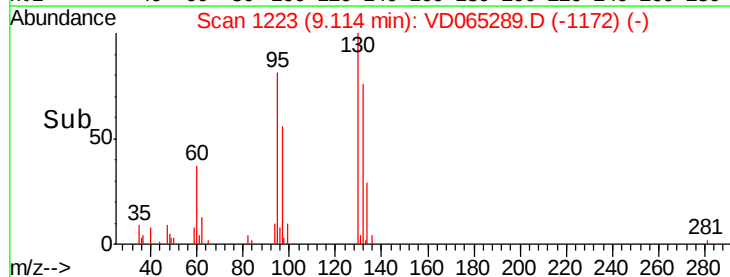
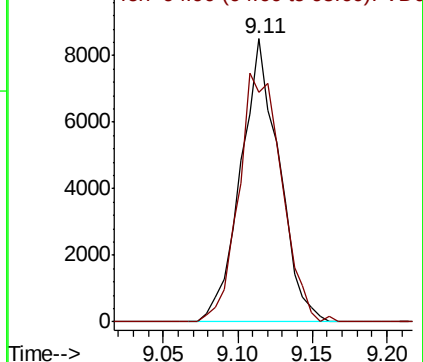
Ion Ratio Lower Upper

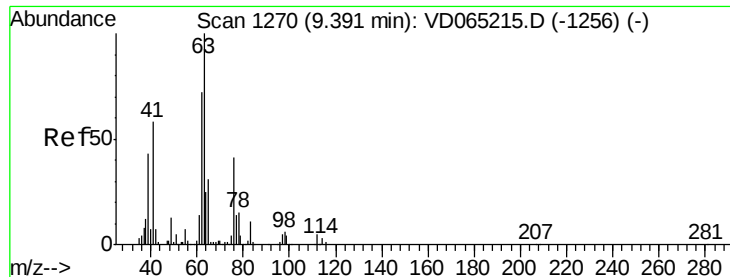
130 100

95 81.0 0.0 190.6



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

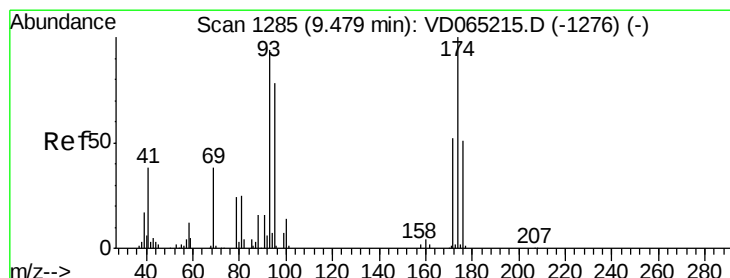
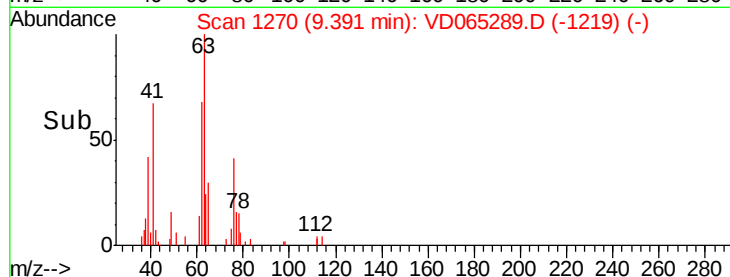
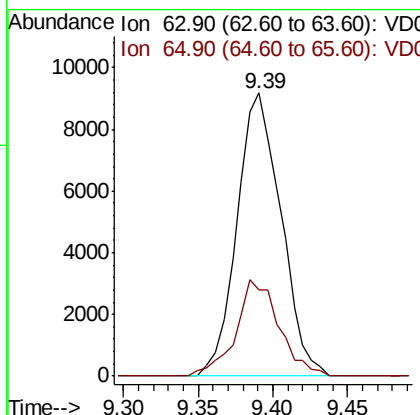
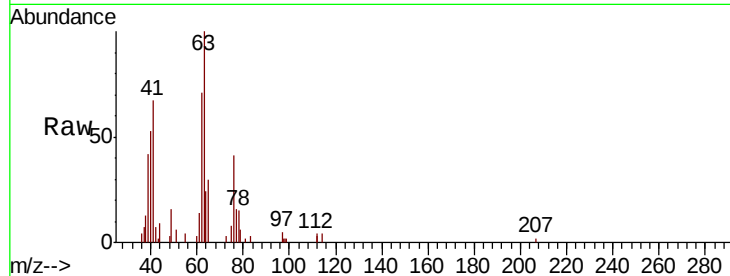




#45
 1,2-Dichloropropane
 Concen: 64.174 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

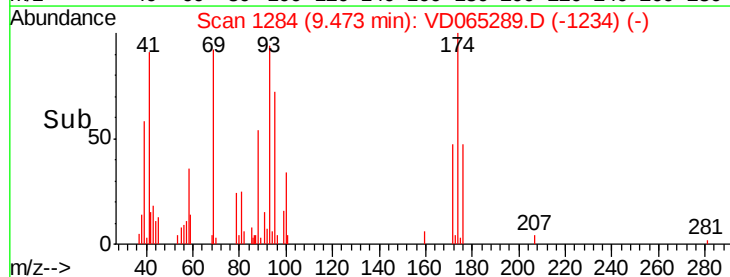
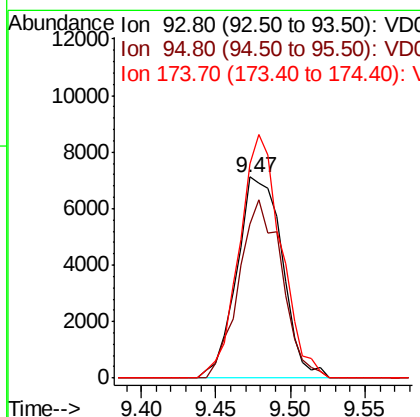
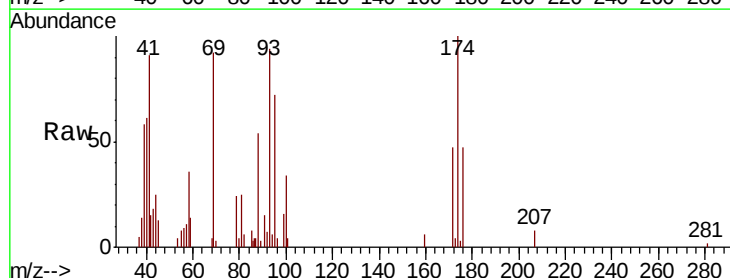
Instrument :
 MSVOA_D
 ClientSampleId :

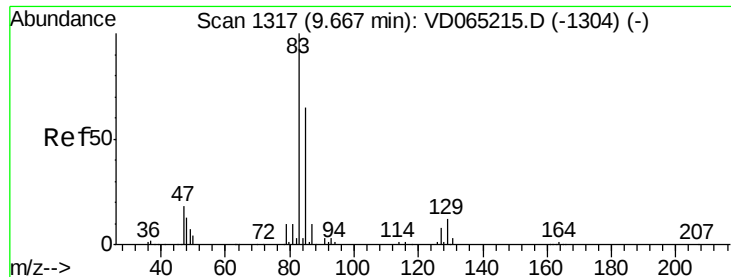
Tot Ion: 63 Resp: 18741
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.9 37.3



#46
 Dibromomethane
 Concen: 99.908 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 93 Resp: 15012
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.8 98.6
 174 111.7 86.8 130.2





#47

Bromodichloromethane

Concen: 67.091 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

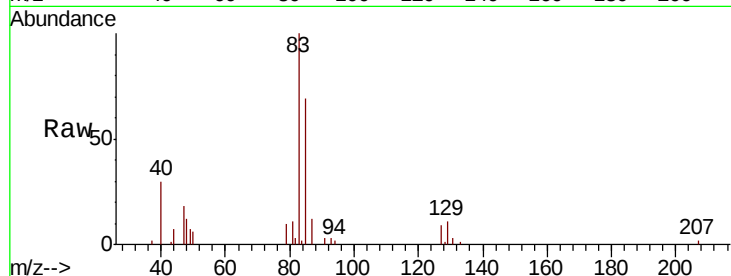
Tot Ion: 83 Resp: 26567

Ion Ratio Lower Upper

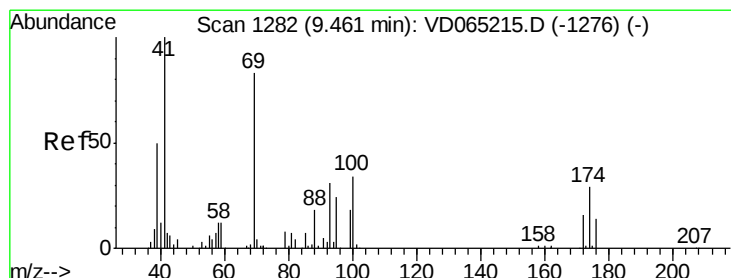
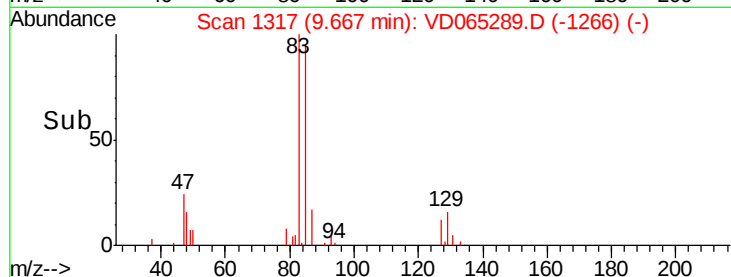
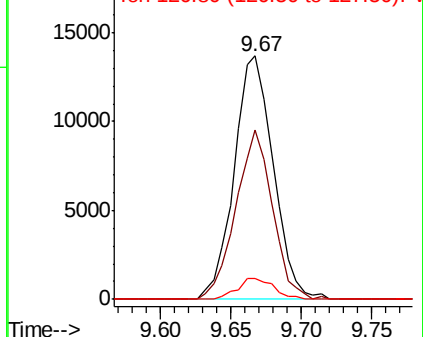
83 100

85 69.4 52.0 78.0

127 8.8 6.7 10.1



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: 165.654 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

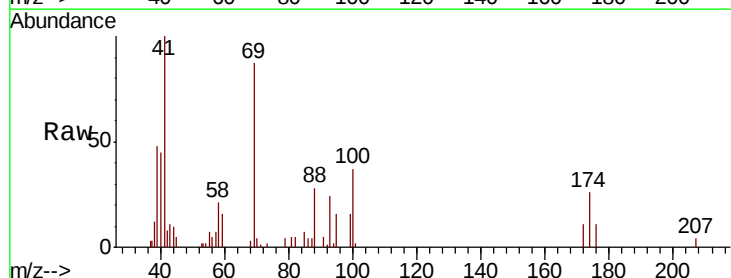
Tgt Ion: 41 Resp: 24220

Ion Ratio Lower Upper

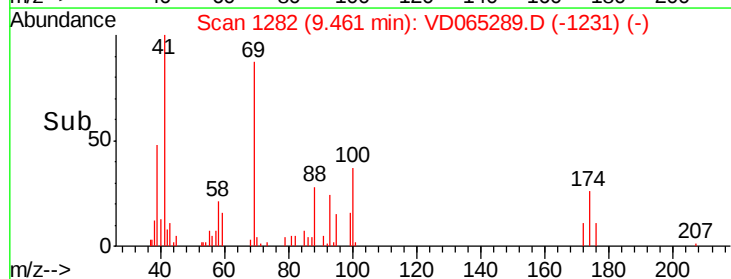
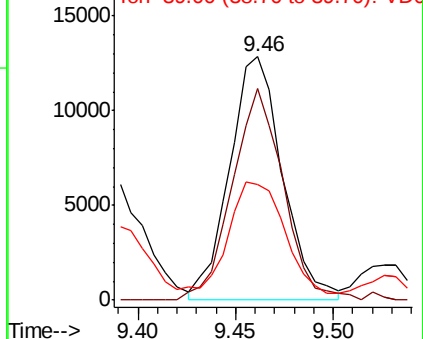
41 100

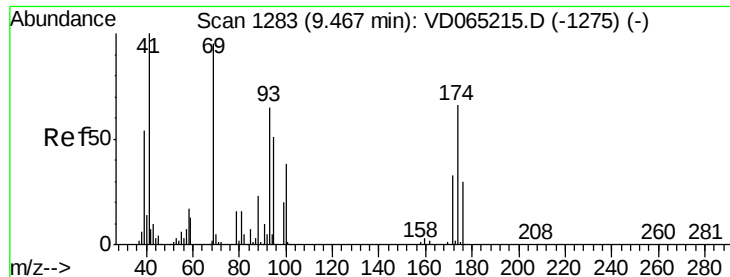
69 83.4 68.2 102.2

39 52.9 42.0 63.0



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

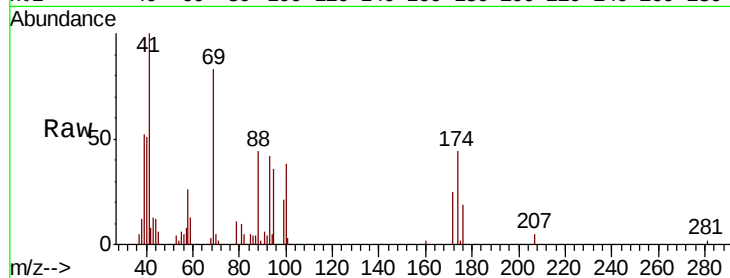




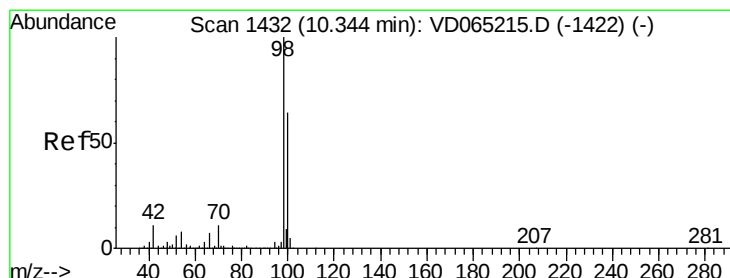
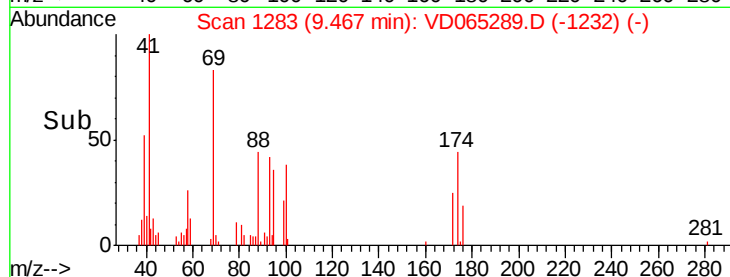
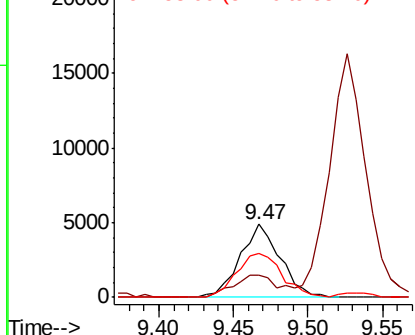
#49
1,4-Dioxane
Concen: 5134.206 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 9048
Ion Ratio Lower Upper
88 100
43 35.2 28.5 42.7
58 68.2 58.6 87.8

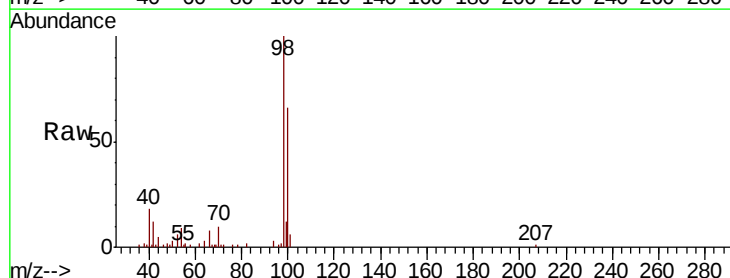


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

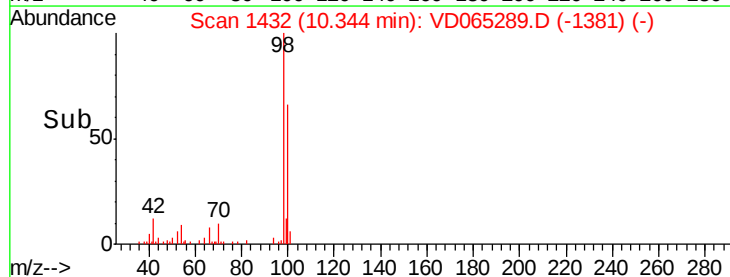
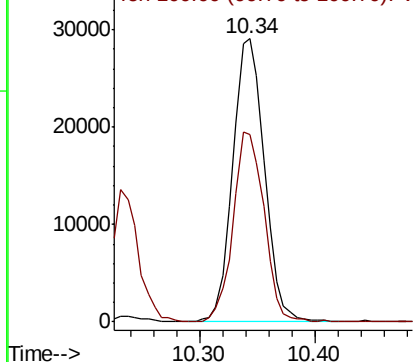


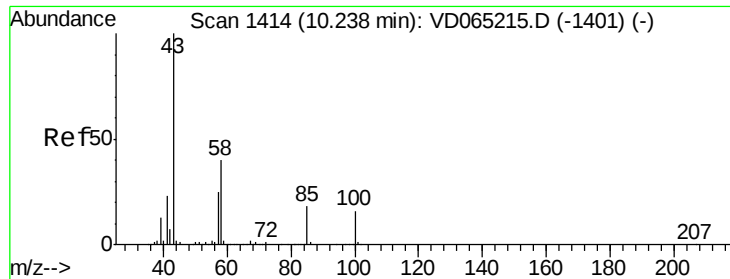
#50
Toluene-d8
Concen: 55.433 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 98 Resp: 55256
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

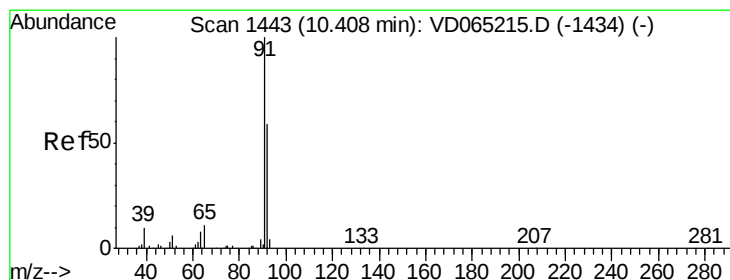
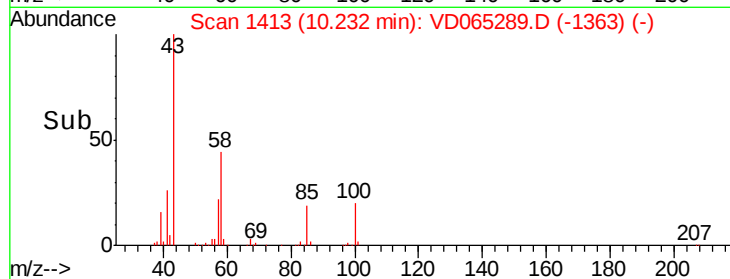
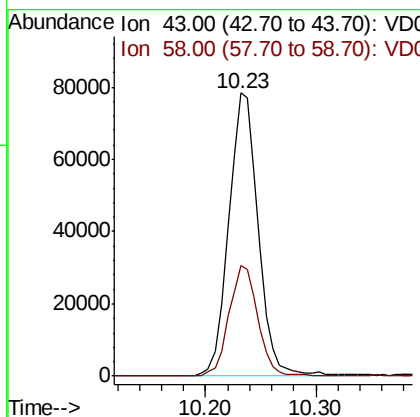
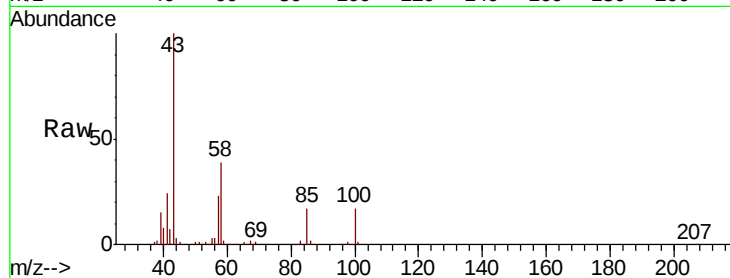




#51
4-Methyl-2-Pentanone
Concen: 914.159 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

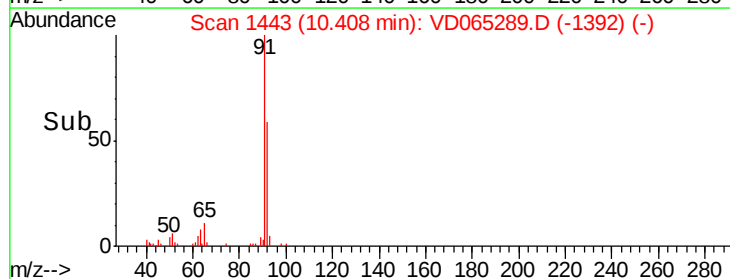
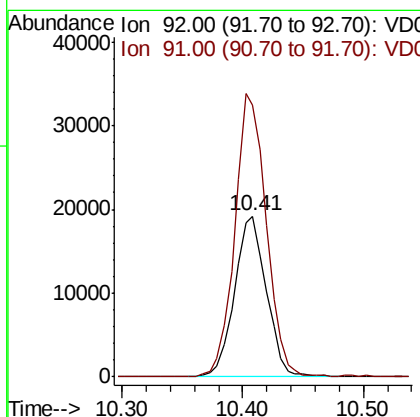
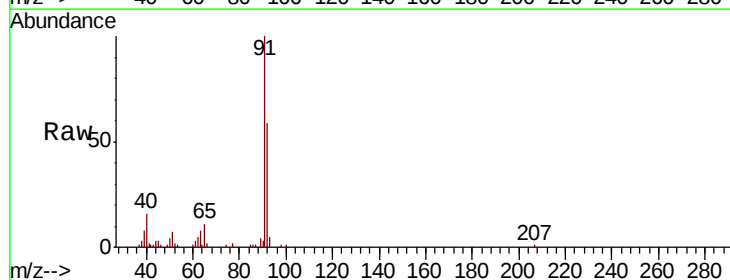
Instrument :
MSVOA_D
ClientSampled :

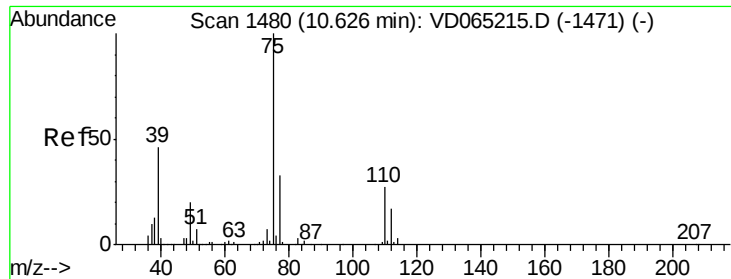
Tot Ion: 43 Resp: 146867
Ion Ratio Lower Upper
43 100
58 38.2 31.1 46.7



#52
Toluene
Concen: 48.315 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 92 Resp: 35123
Ion Ratio Lower Upper
92 100
91 174.7 136.3 204.5

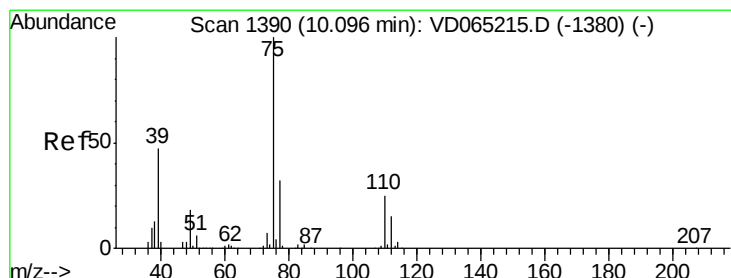
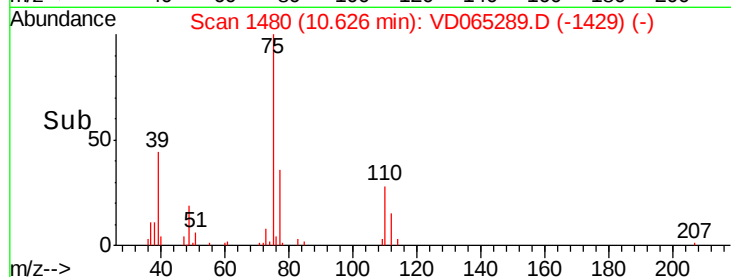
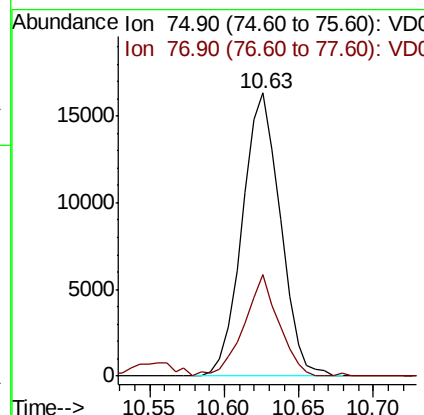
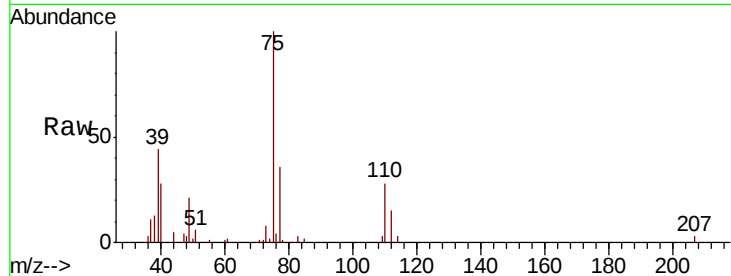




#53
 t-1,3-Dichloropropene
 Concen: 78.517 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

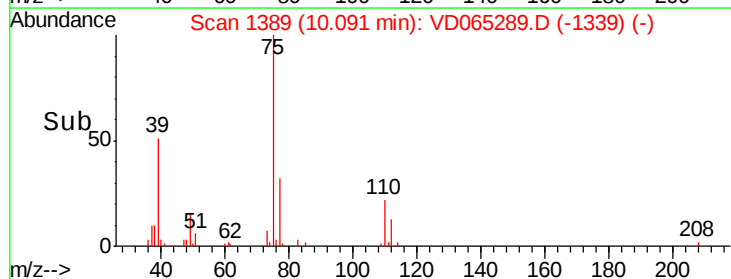
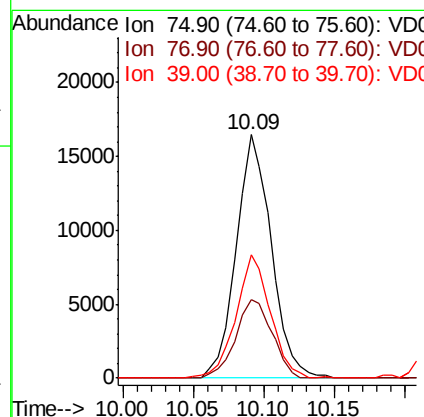
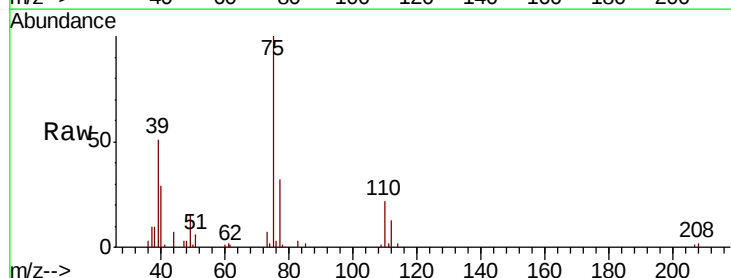
Instrument :
 MSVOA_D
 ClientSampleId :

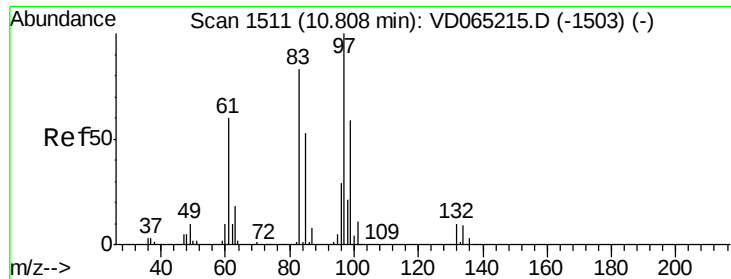
Tot Ion: 75 Resp: 28819
 Ion Ratio Lower Upper
 75 100
 77 36.0 26.6 40.0



#54
 cis-1,3-Dichloropropene
 Concen: 64.440 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 75 Resp: 28561
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8
 39 50.6 37.3 55.9

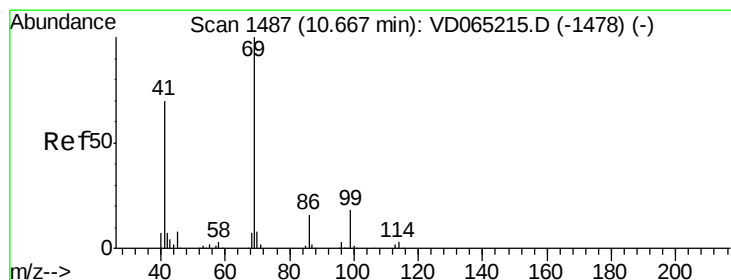
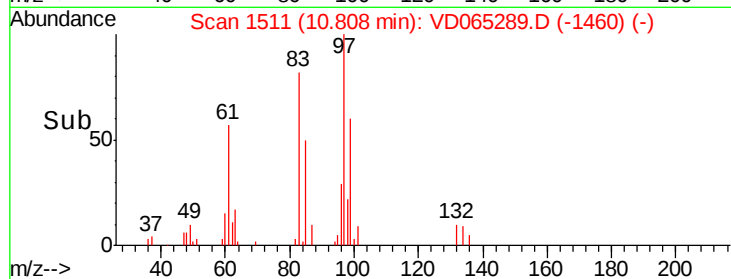
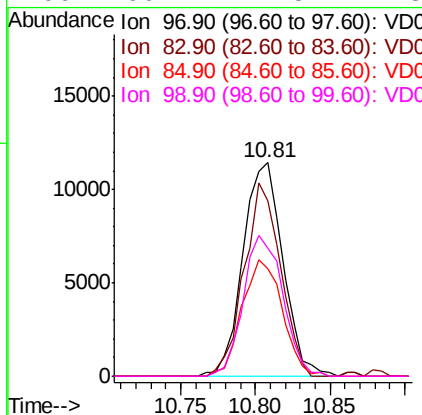
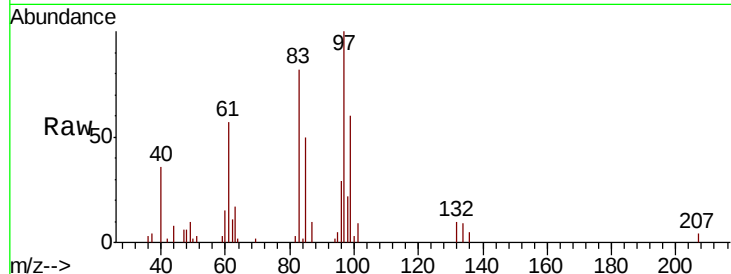




#55
 1,1,2-Trichloroethane
 Concen: 99.892 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

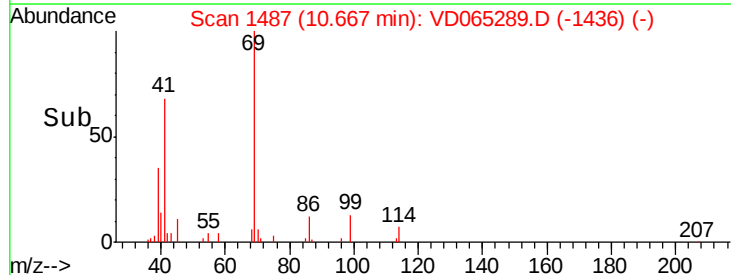
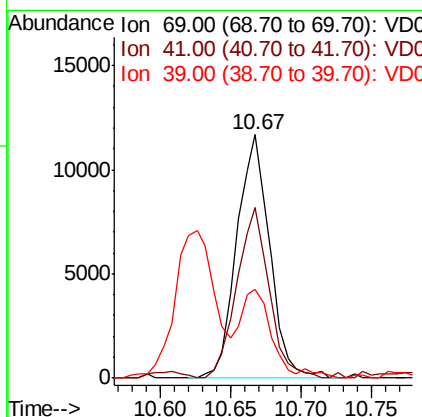
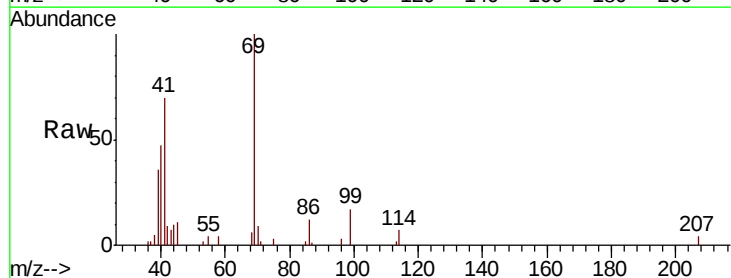
Instrument :
 MSVOA_D
 ClientSampleId :

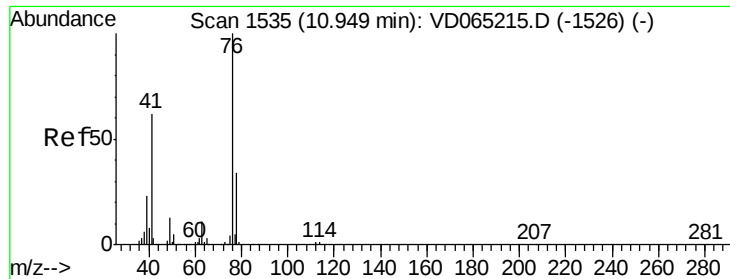
Tot Ion:	97	Resp:	21126
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.7	100.1
85	50.5	42.4	63.6
99	60.2	47.5	71.3



#56
 Ethyl methacrylate
 Concen: 77.938 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion:	69	Resp:	19025
Ion	Ratio	Lower	Upper
69	100		
41	68.9	54.6	81.8
39	30.8	26.5	39.7





#57

1,3-Dichloropropane

Concen: 96.208 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

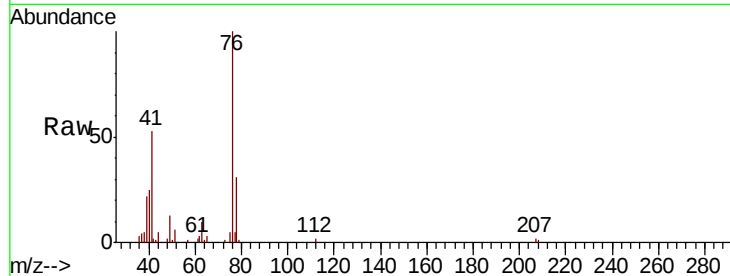
ClientSampleId :

Tot Ion: 76 Resp: 34630

Ion Ratio Lower Upper

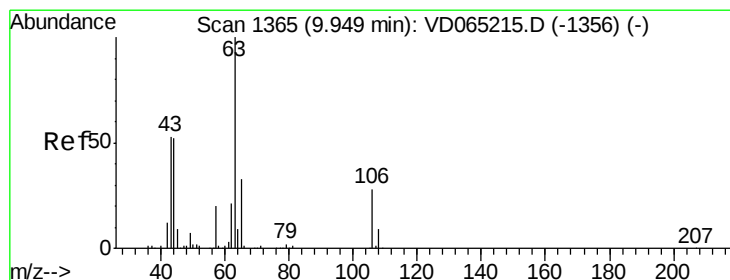
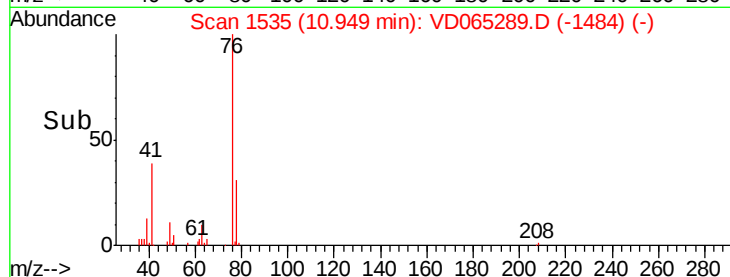
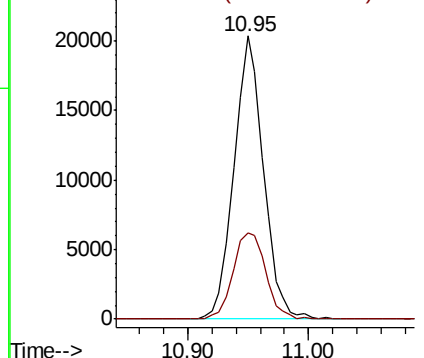
76 100

78 33.7 26.3 39.5



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: 443.443 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065289.D

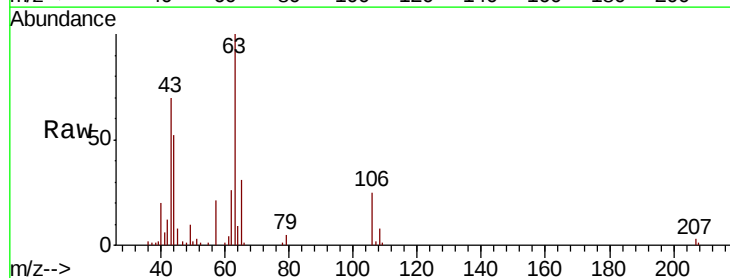
Acq: 24 Feb 2020 12:38

Tgt Ion: 63 Resp: 34127

Ion Ratio Lower Upper

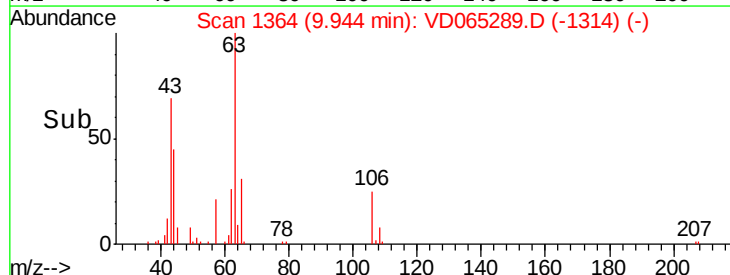
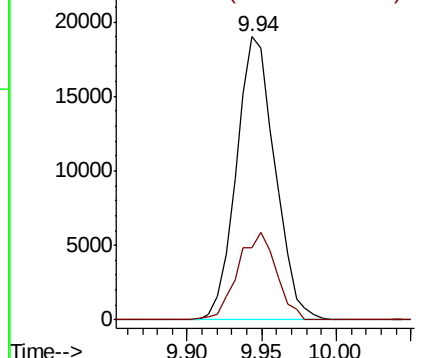
63 100

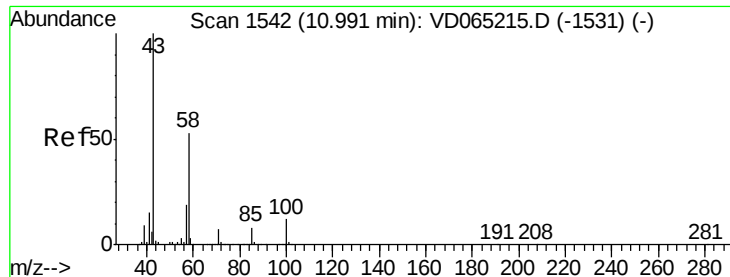
106 30.7 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

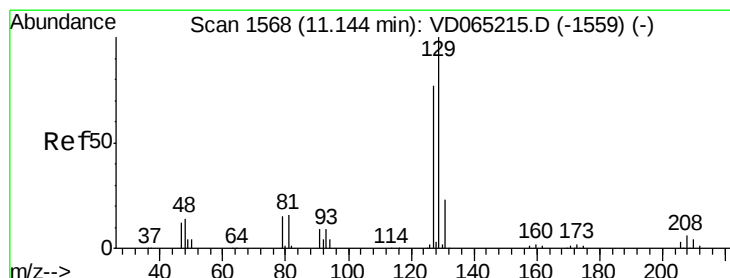
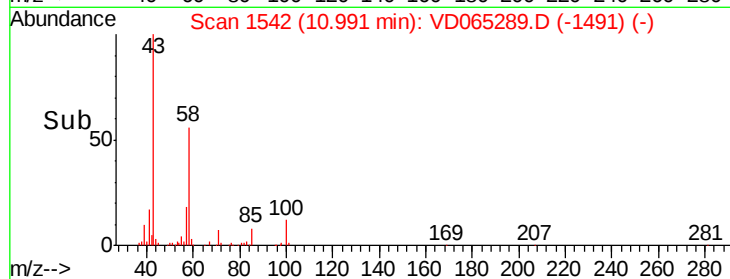
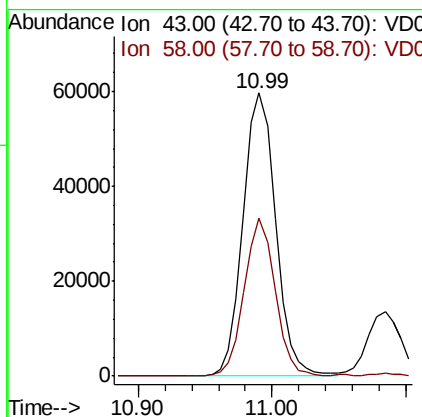
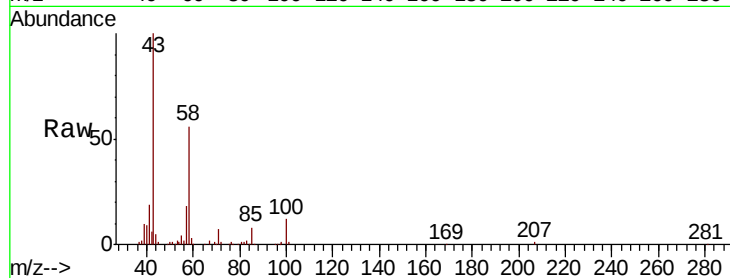




#59
2-Hexanone
Concen: 881.809 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

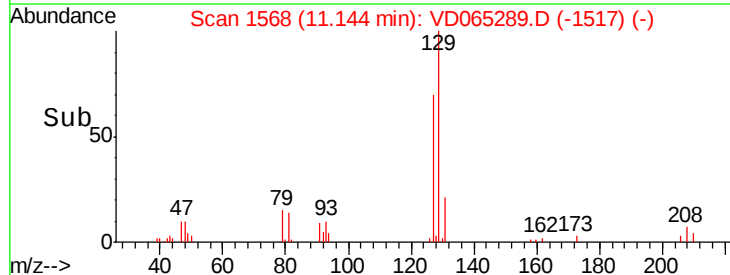
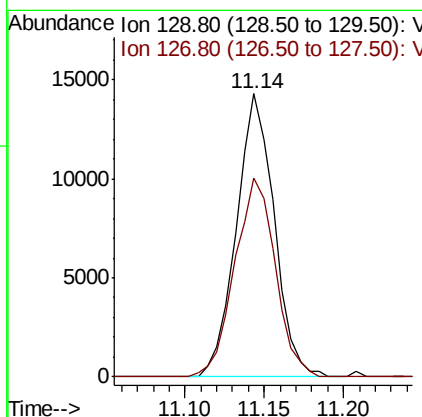
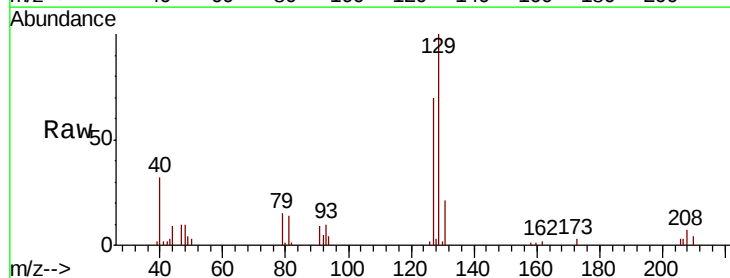
Instrument :
MSVOA_D
ClientSampleId :

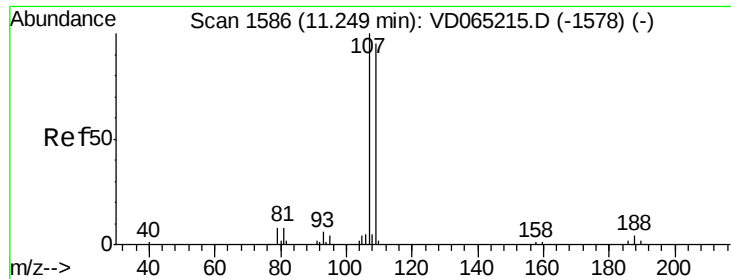
Tot Ion: 43 Resp: 101413
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.8



#60
Dibromochloromethane
Concen: 87.392 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 129 Resp: 23656
Ion Ratio Lower Upper
129 100
127 75.4 38.7 116.1

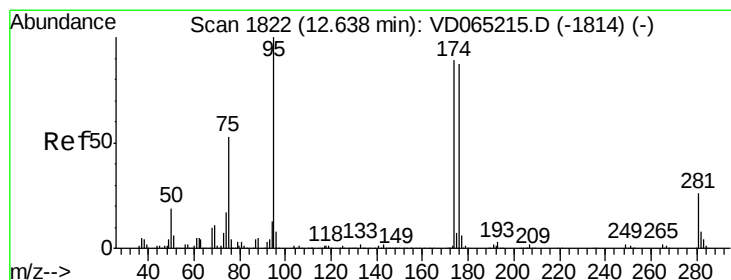
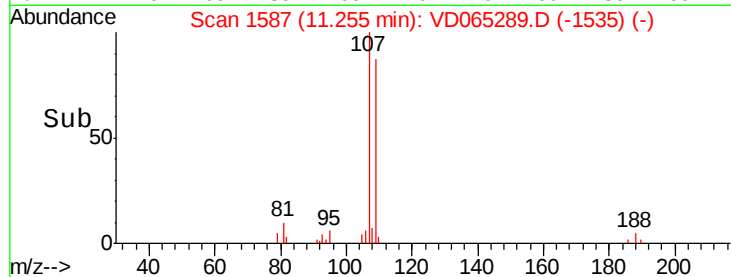
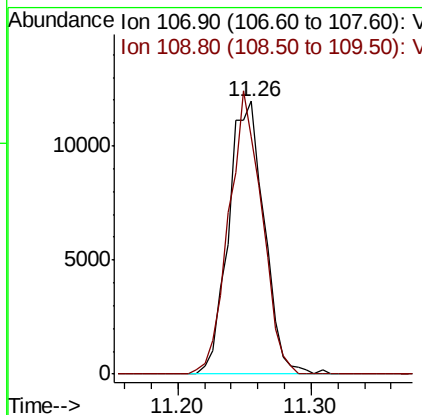
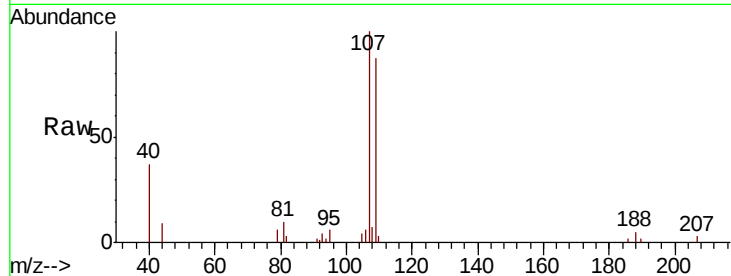




#61
 1,2-Dibromoethane
 Concen: 111.361 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

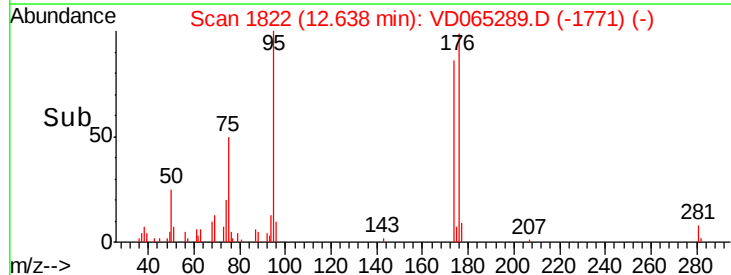
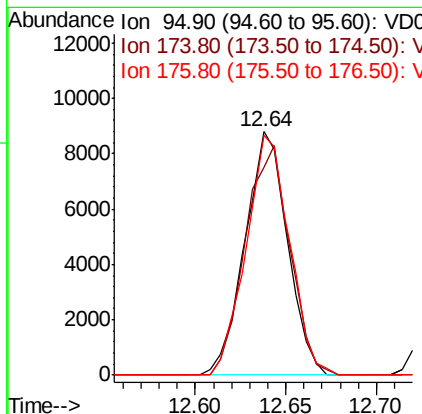
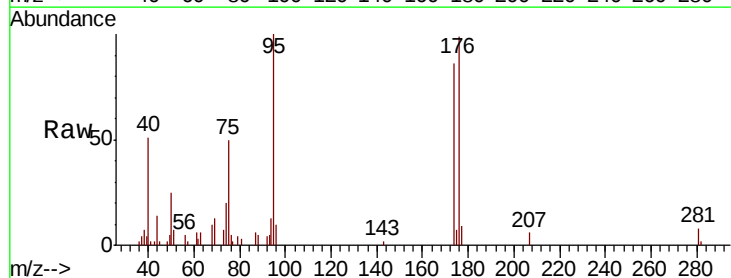
Instrument :
 MSVOA_D
 ClientSampled :

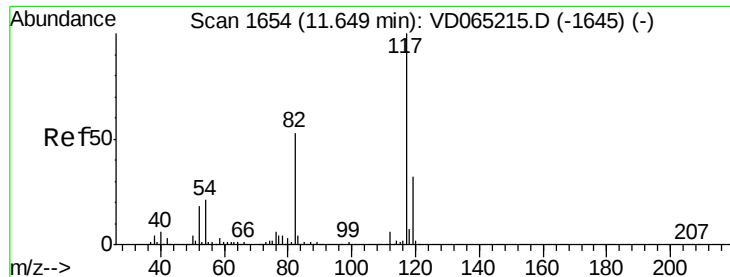
Tot Ion:107 Resp: 22299
 Ion Ratio Lower Upper
 107 100
 109 96.4 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 45.605 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion: 95 Resp: 14401
 Ion Ratio Lower Upper
 95 100
 174 98.7 0.0 178.0
 176 100.2 0.0 174.4

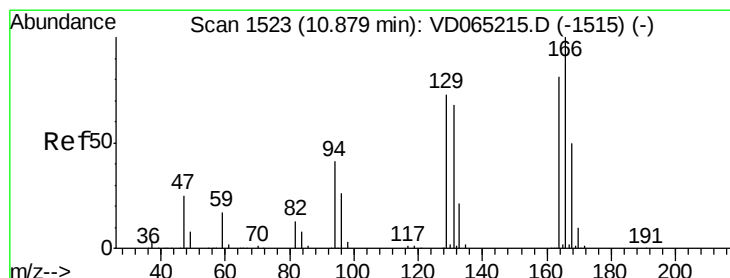
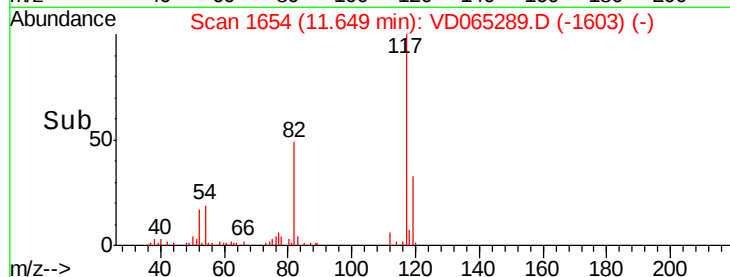
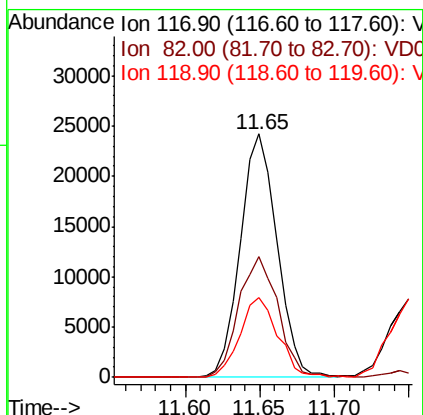
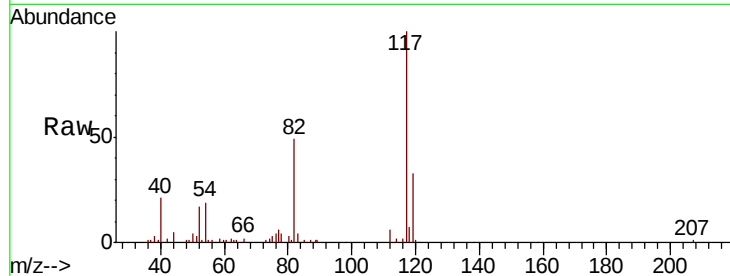




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

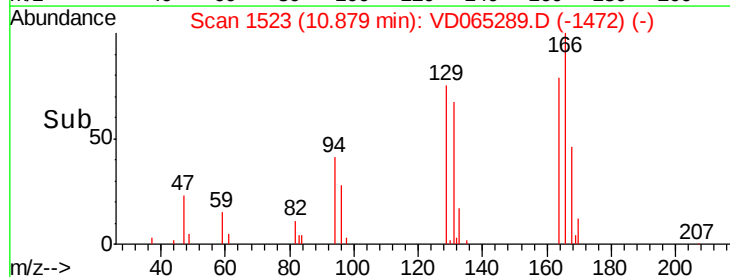
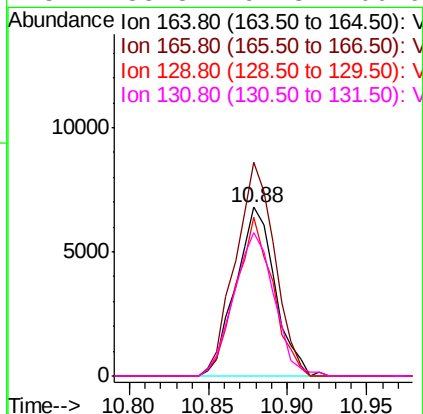
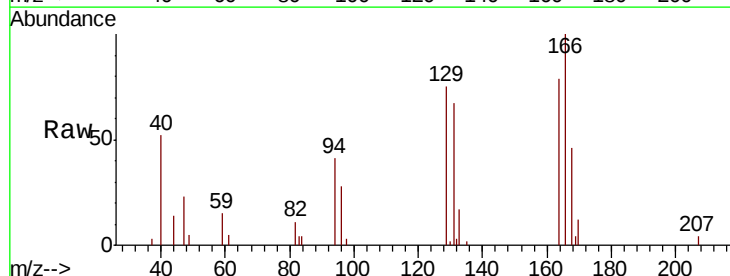
Instrument :
MSVOA_D
ClientSampleId :

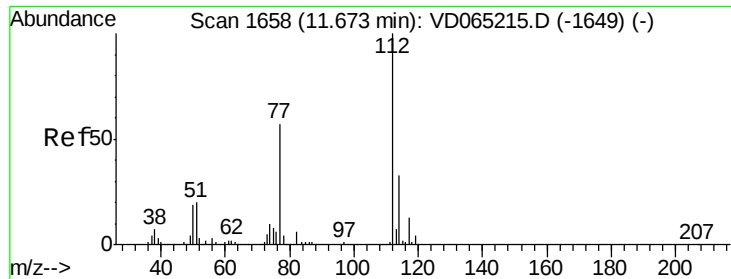
Tot Ion:117 Resp: 41454
Ion Ratio Lower Upper
117 100
82 49.4 42.7 64.1
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 39.768 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:164 Resp: 11692
Ion Ratio Lower Upper
164 100
166 126.9 98.4 147.6
129 94.6 71.6 107.4
131 85.3 67.3 100.9

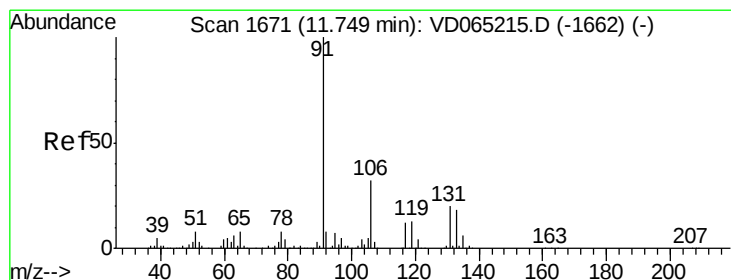
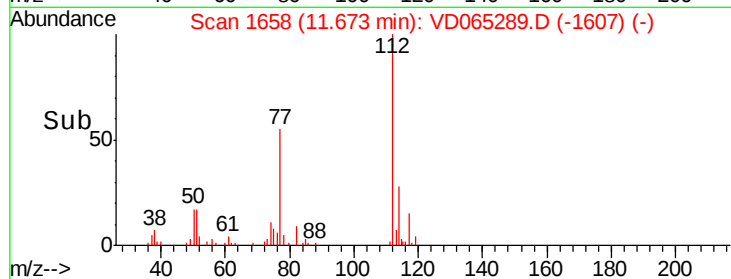
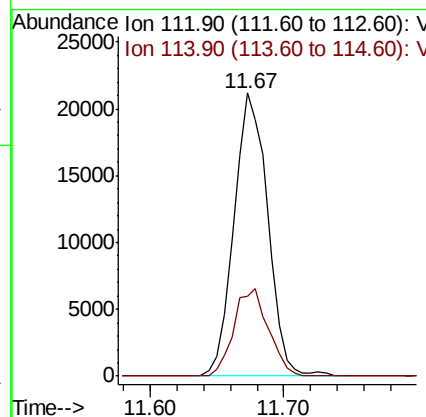
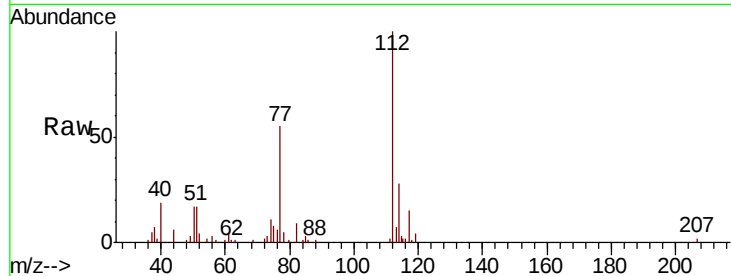




#65
Chlorobenzene
Concen: 44.660 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

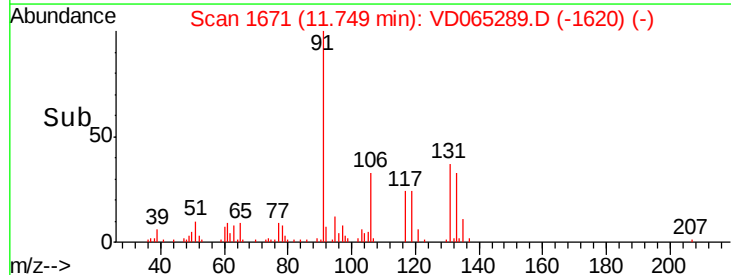
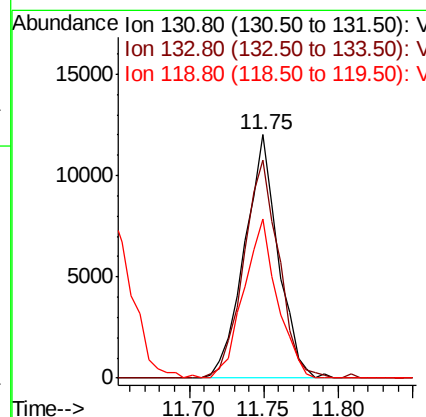
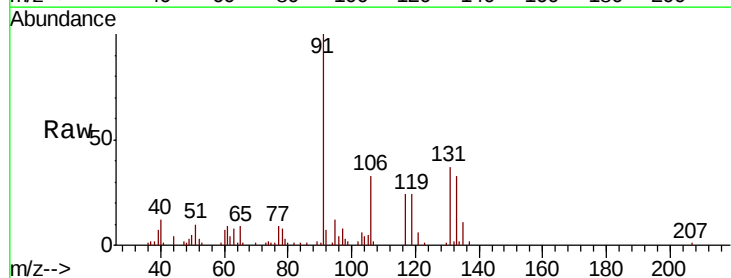
Instrument :
MSVOA_D
ClientSampleId :

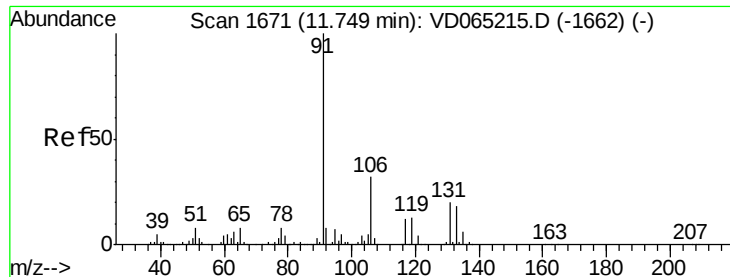
Tot Ion:112 Resp: 37152
Ion Ratio Lower Upper
112 100
114 28.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 60.309 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:131 Resp: 18722
Ion Ratio Lower Upper
131 100
133 93.9 47.7 143.1
119 65.4 32.7 98.1





#67

Ethyl Benzene

Concen: 35.638 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

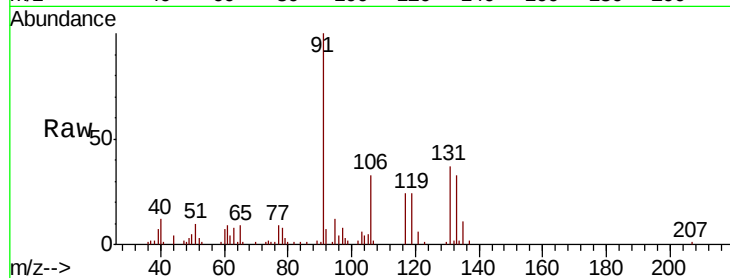
ClientSampleId :

Tot Ion: 91 Resp: 51923

Ion Ratio Lower Upper

91 100

106 32.6 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

11.75

30000

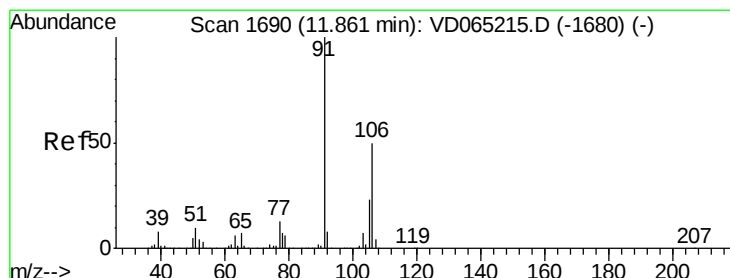
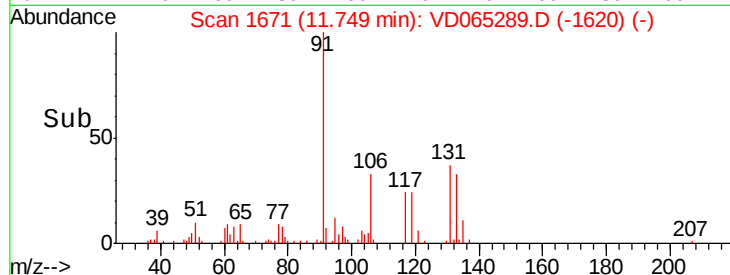
20000

10000

0

Time-->

11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 67.009 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065289.D

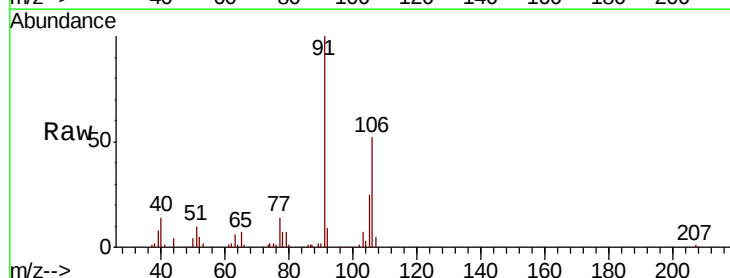
Acq: 24 Feb 2020 12:38

Tgt Ion: 106 Resp: 37352

Ion Ratio Lower Upper

106 100

91 199.7 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

11.86

40000

30000

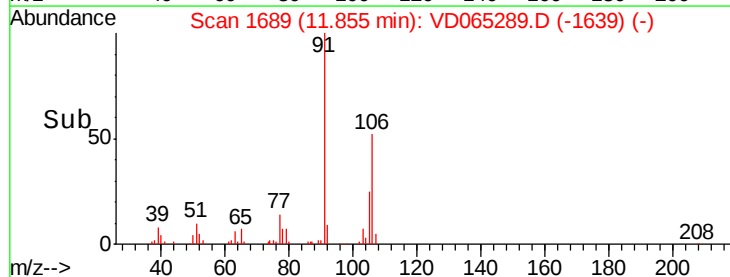
20000

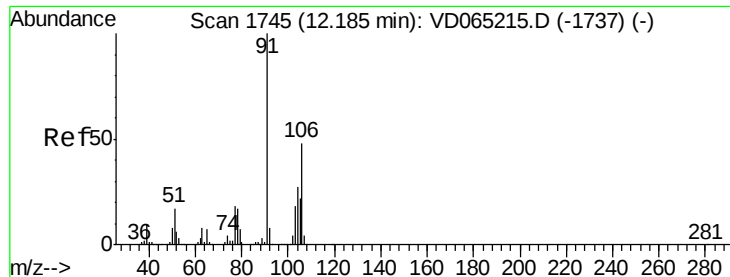
10000

0

Time-->

11.80 11.86 11.90

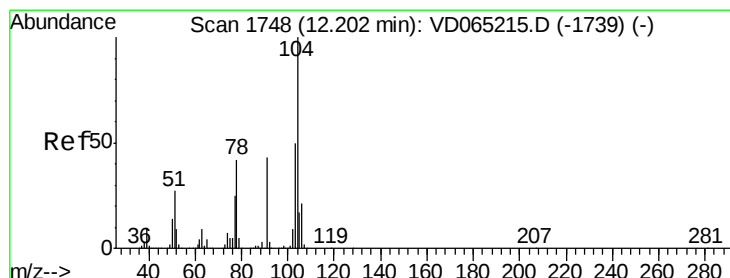
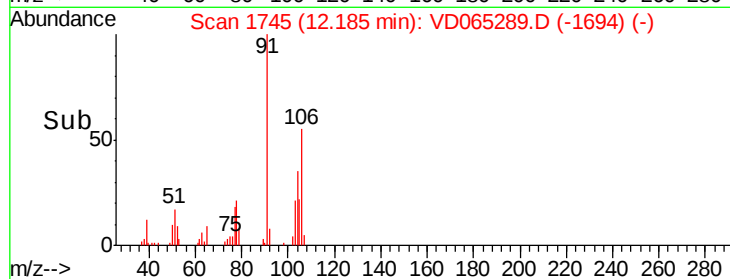
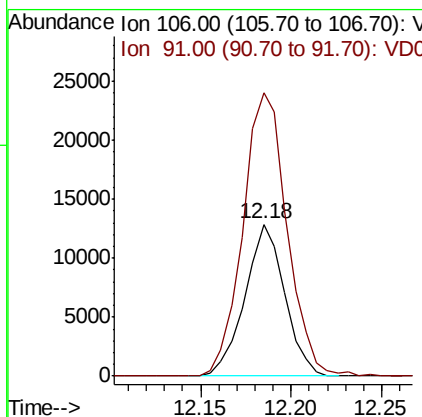
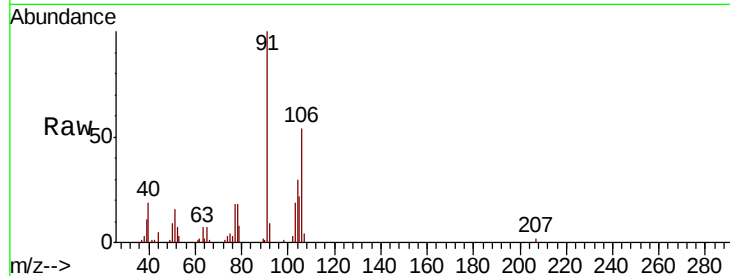




#69
o-Xylene
Concen: 39.652 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

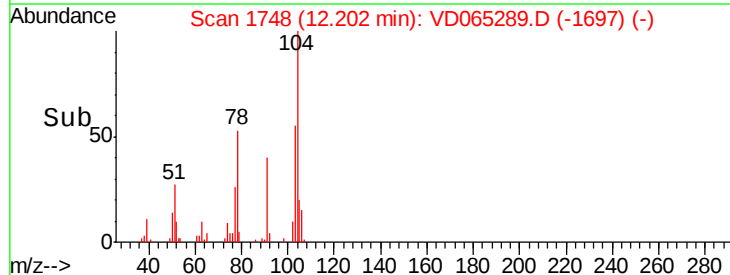
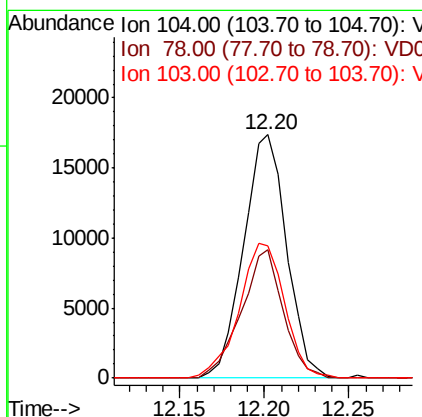
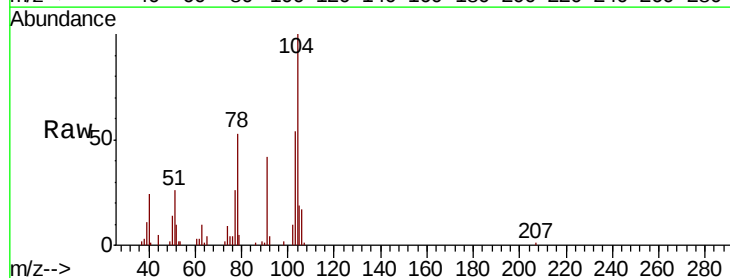
Instrument :
MSVOA_D
ClientSampled :

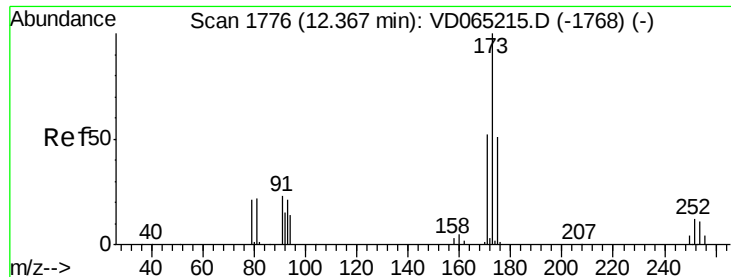
Tot Ion:106 Resp: 19582
Ion Ratio Lower Upper
106 100
91 207.7 104.7 313.9



#70
Styrene
Concen: 35.012 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:104 Resp: 30698
Ion Ratio Lower Upper
104 100
78 51.7 37.8 56.6
103 59.0 43.4 65.2





#71

Bromoform

Concen: 102.304 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampled :

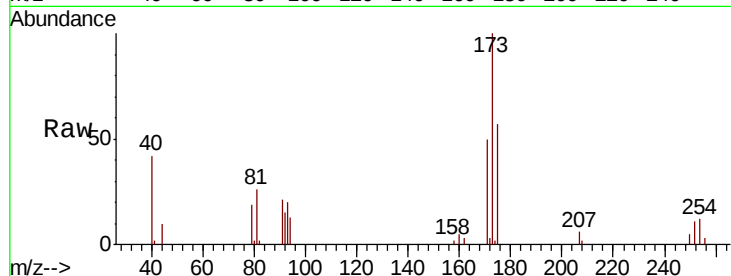
Tot Ion:173 Resp: 17623

Ion Ratio Lower Upper

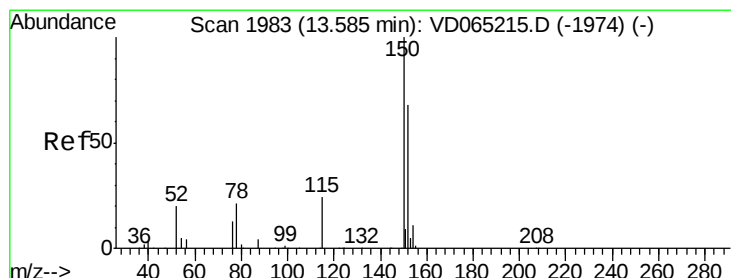
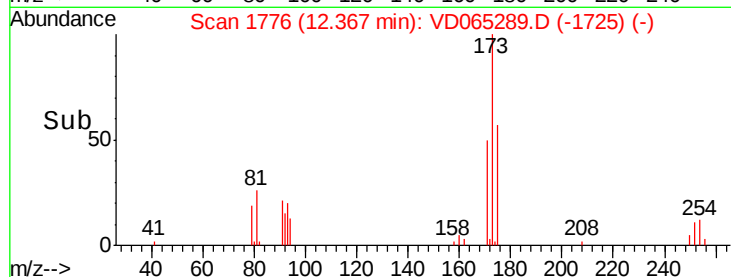
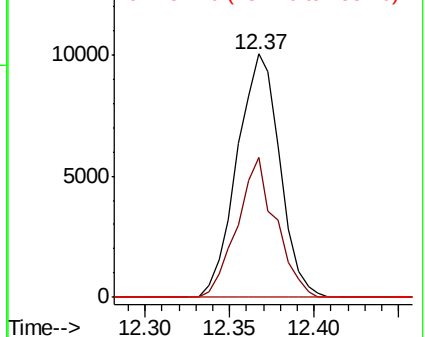
173 100

175 52.1 24.4 73.4

254 0.0 0.0 0.0



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: VD065289.D

Acq: 24 Feb 2020 12:38

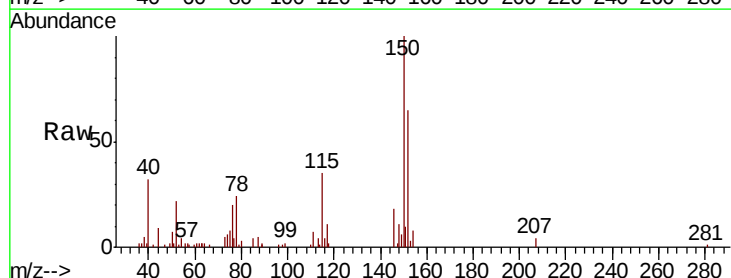
Tgt Ion:152 Resp: 16369

Ion Ratio Lower Upper

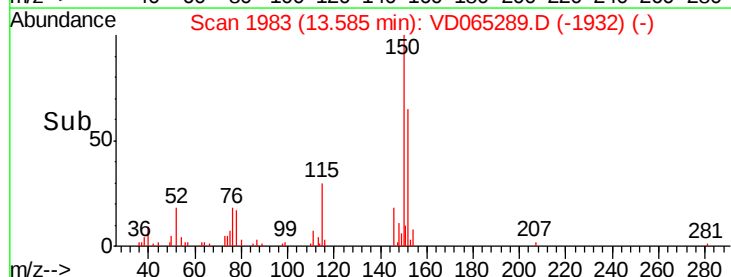
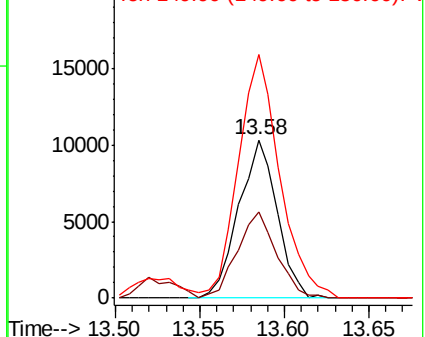
152 100

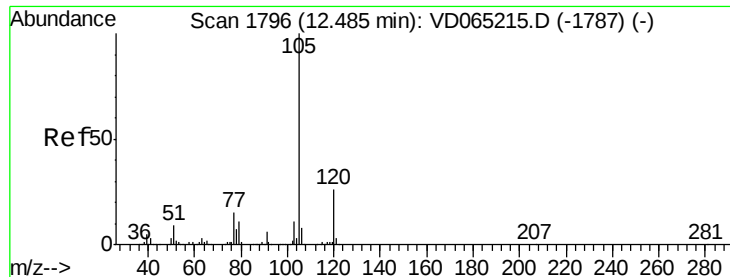
115 55.4 27.6 82.8

150 165.6 0.0 347.4



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: 37.571 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

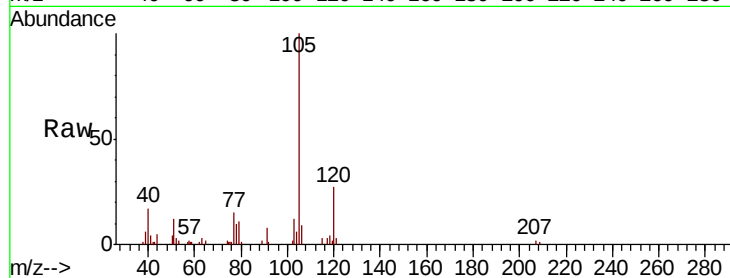
ClientSampled :

Tot Ion:105 Resp: 40716

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

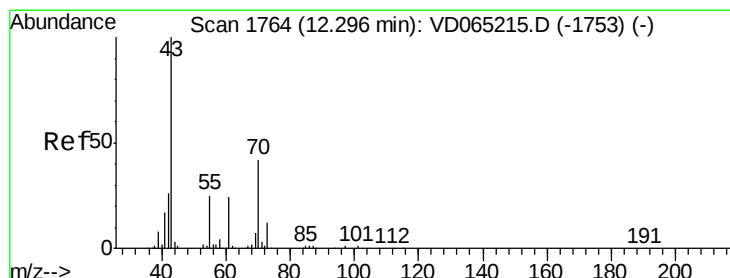
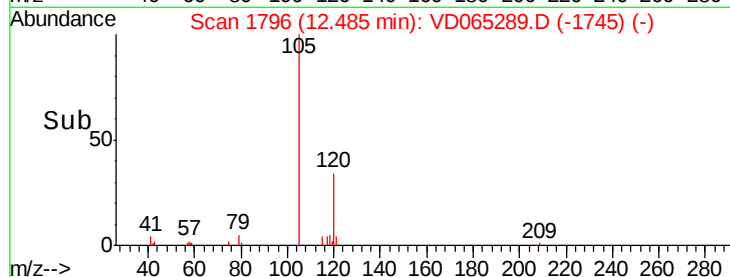
15000

10000

5000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 53.982 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Tgt Ion: 43 Resp: 12999

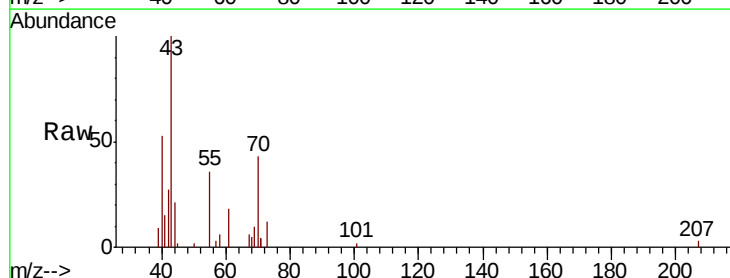
Ion Ratio Lower Upper

43 100

70 36.7 33.7 50.5

55 29.9 20.7 31.1

61 20.9 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12000

10000

8000

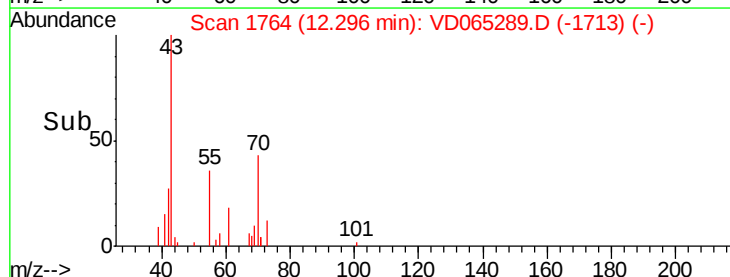
6000

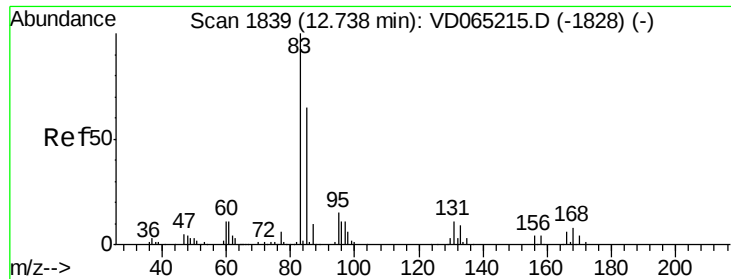
4000

2000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 162.201 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

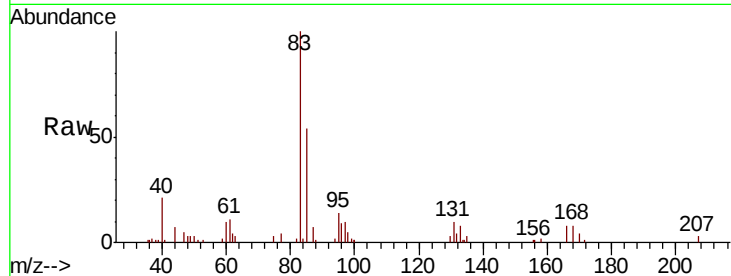
Tot Ion: 83 Resp: 31724

Ion Ratio Lower Upper

83 100

131 9.8 5.4 16.2

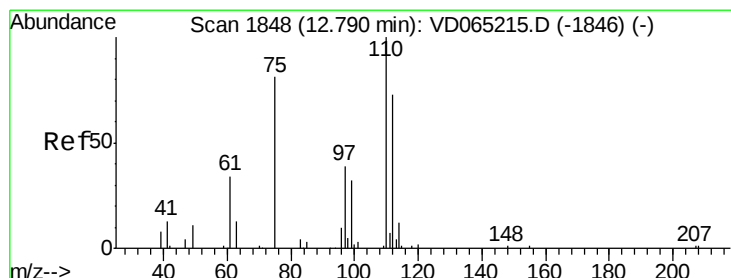
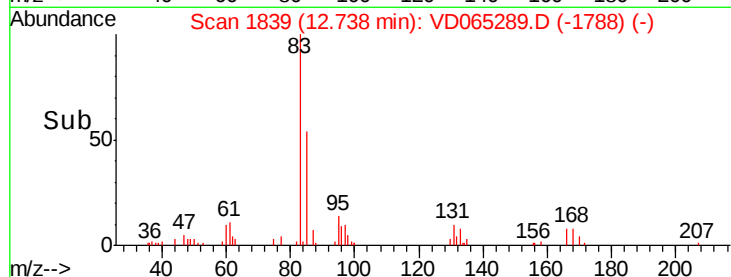
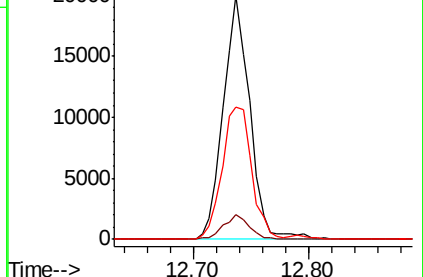
85 60.6 31.6 94.8



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: 266.141 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065289.D

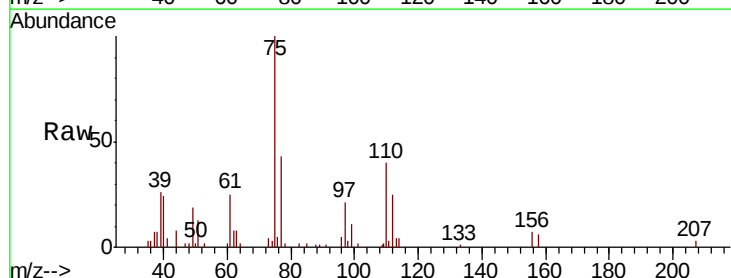
Acq: 24 Feb 2020 12:38

Tgt Ion: 75 Resp: 37066

Ion Ratio Lower Upper

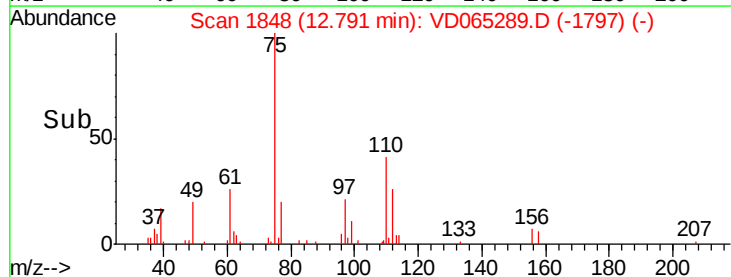
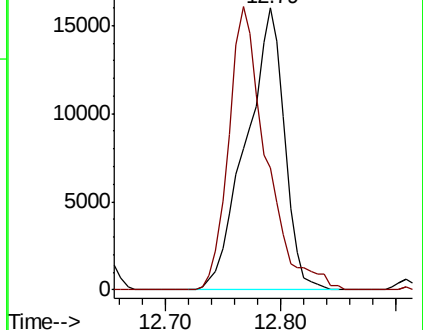
75 100

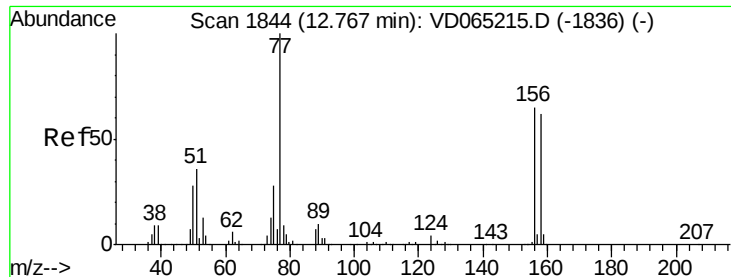
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 60.226 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

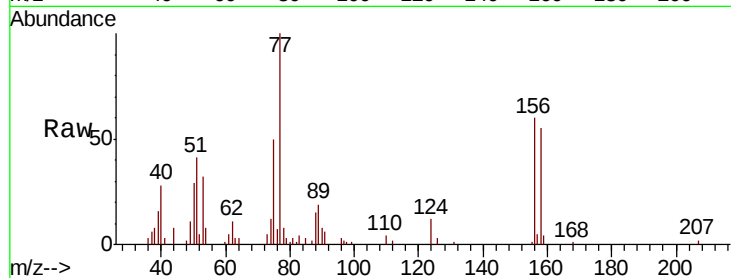
Tot Ion:156 Resp: 16207

Ion Ratio Lower Upper

156 100

77 223.8 86.6 259.7

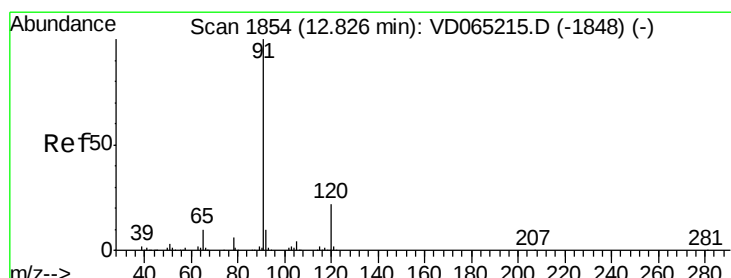
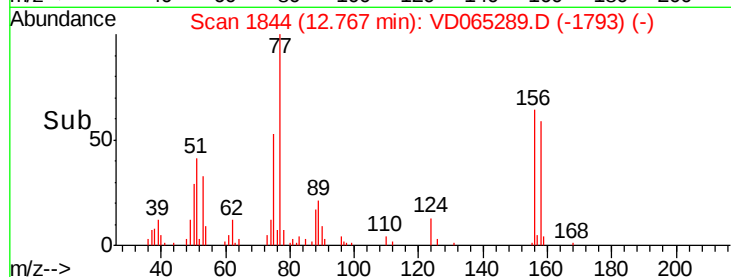
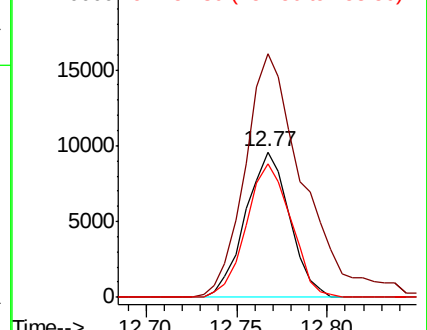
158 92.9 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 33.951 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065289.D

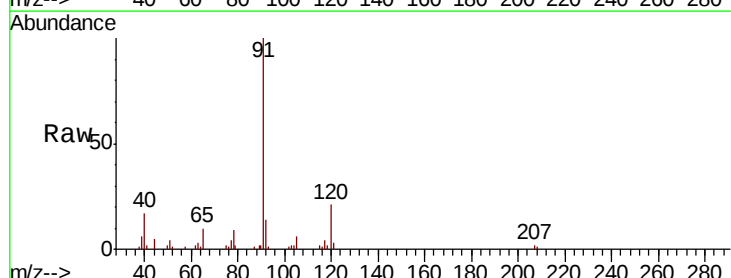
Acq: 24 Feb 2020 12:38

Tgt Ion: 91 Resp: 44215

Ion Ratio Lower Upper

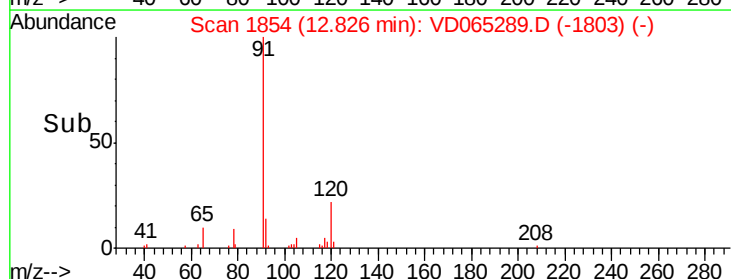
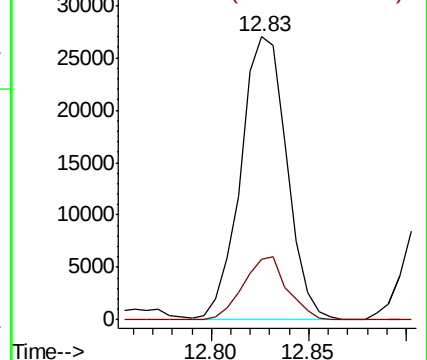
91 100

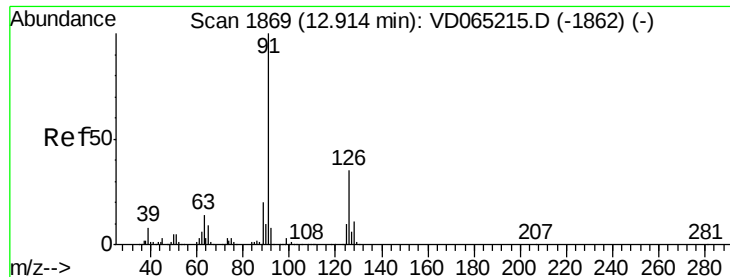
120 21.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 38.434 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

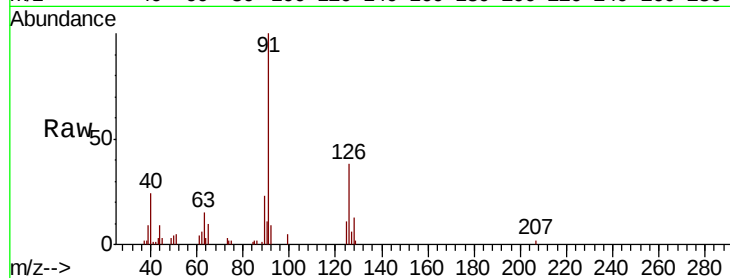
ClientSampled :

Tot Ion: 91 Resp: 28040

Ion Ratio Lower Upper

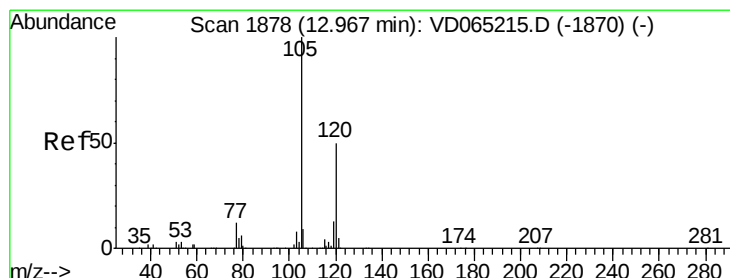
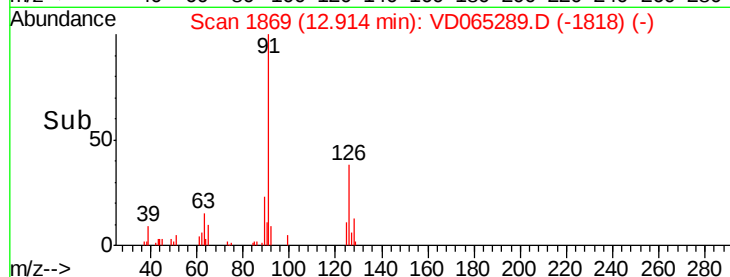
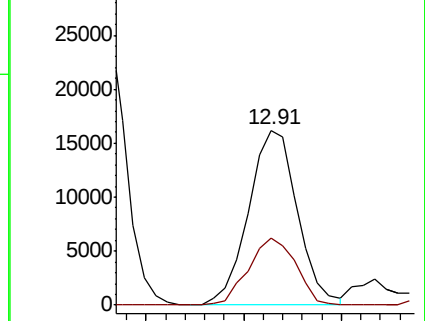
91 100

126 37.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 35.117 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065289.D

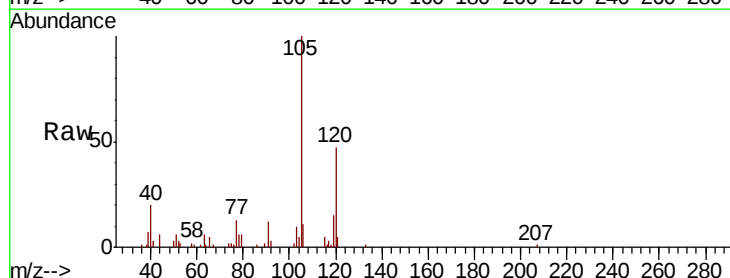
Acq: 24 Feb 2020 12:38

Tgt Ion: 105 Resp: 31344

Ion Ratio Lower Upper

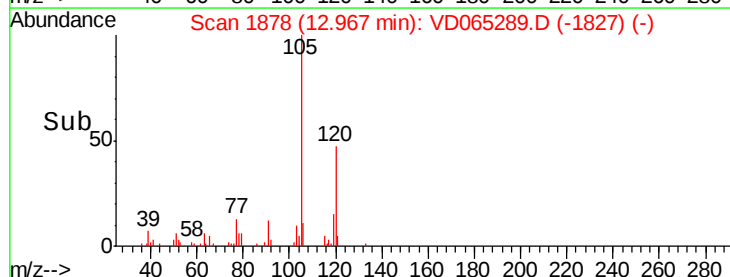
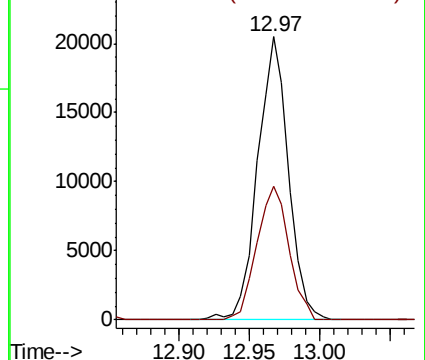
105 100

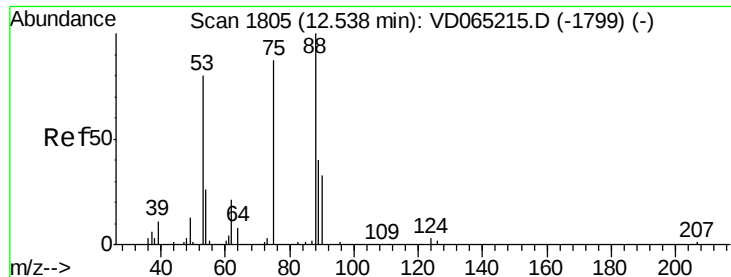
120 49.2 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 129.530 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

ClientSampleId :

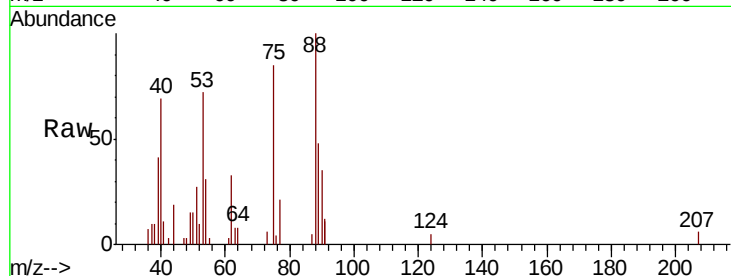
Tot Ion: 75 Resp: 8355

Ion Ratio Lower Upper

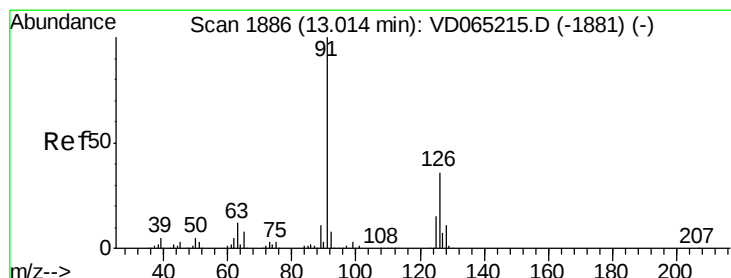
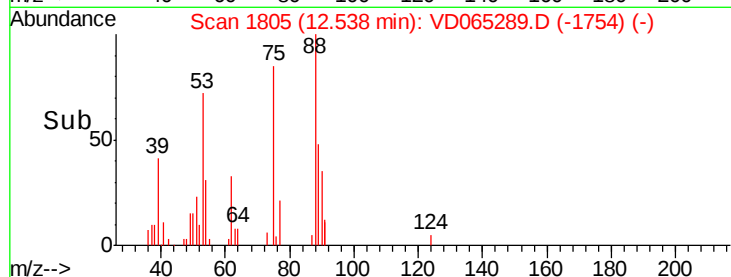
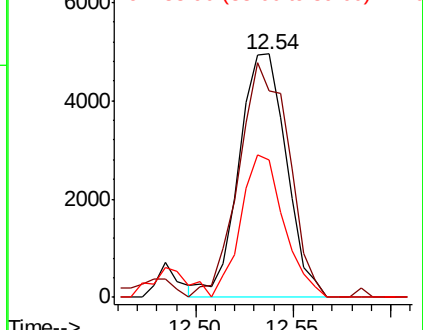
75 100

53 101.2 77.6 116.4

89 53.3 37.2 55.8



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: 41.304 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065289.D

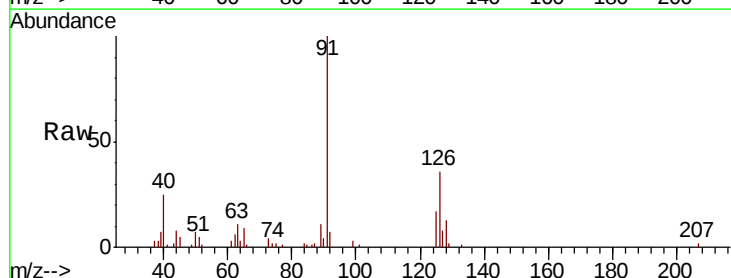
Acq: 24 Feb 2020 12:38

Tgt Ion: 91 Resp: 31991

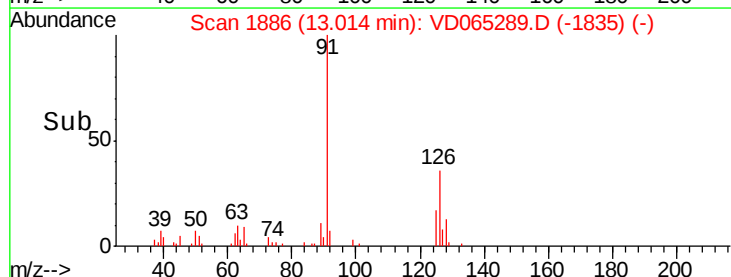
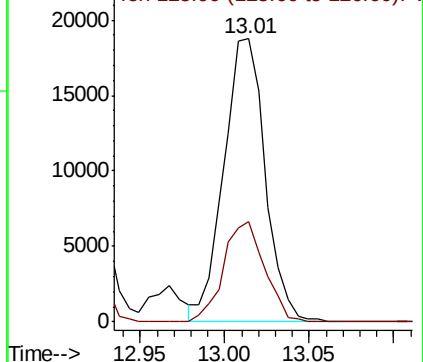
Ion Ratio Lower Upper

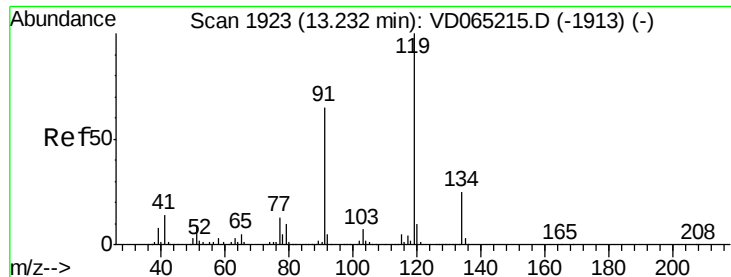
91 100

126 35.1 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

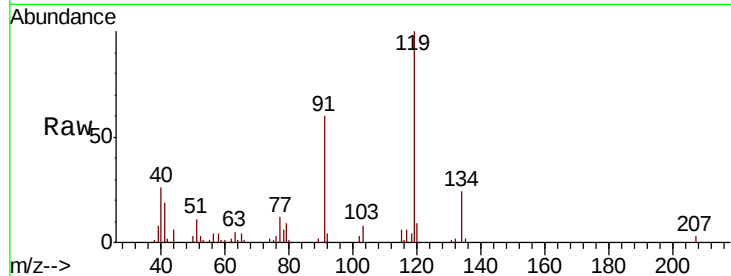




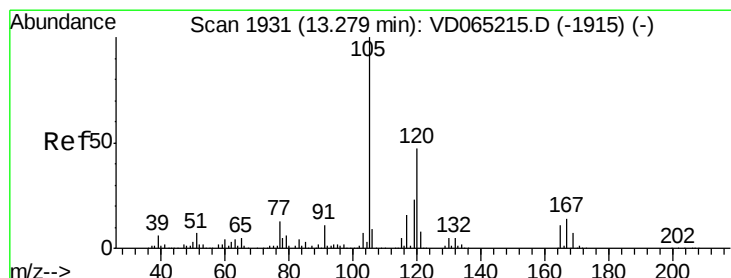
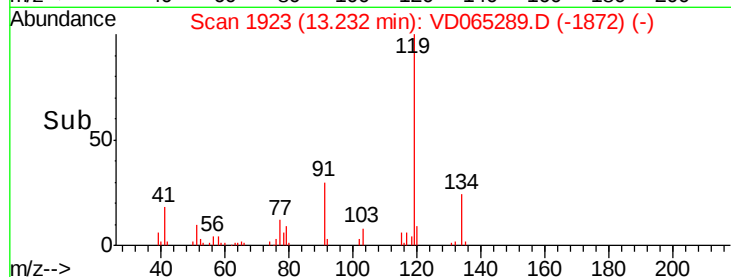
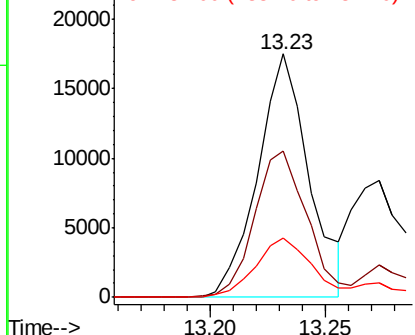
#83
tert-Butylbenzene
Concen: 36.089 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 26998
Ion Ratio Lower Upper
119 100
91 62.4 31.9 95.5
134 26.9 13.8 41.3

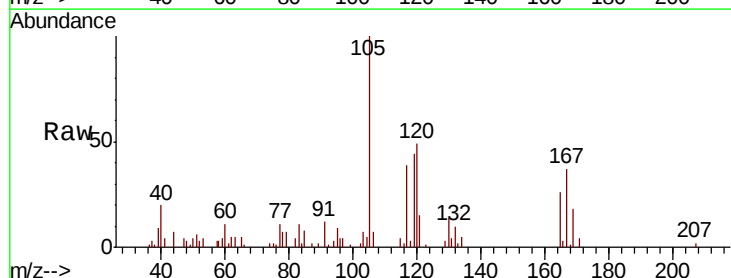


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

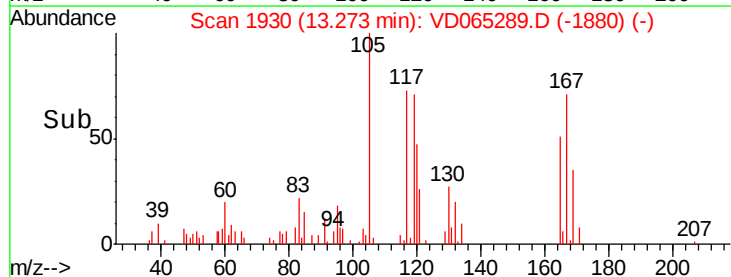
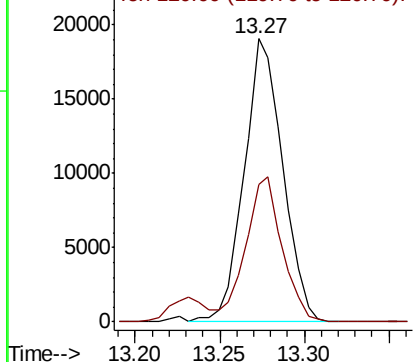


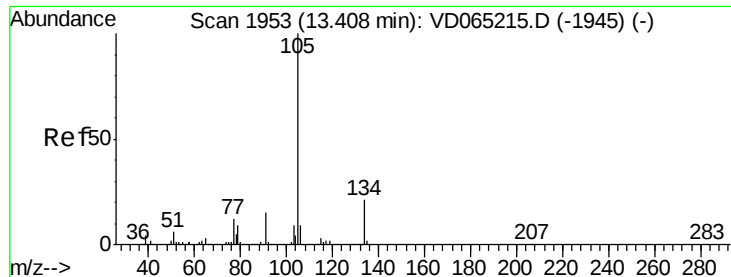
#84
1,2,4-Trimethylbenzene
Concen: 33.815 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:105 Resp: 30210
Ion Ratio Lower Upper
105 100
120 48.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 29.013 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

Instrument :

MSVOA_D

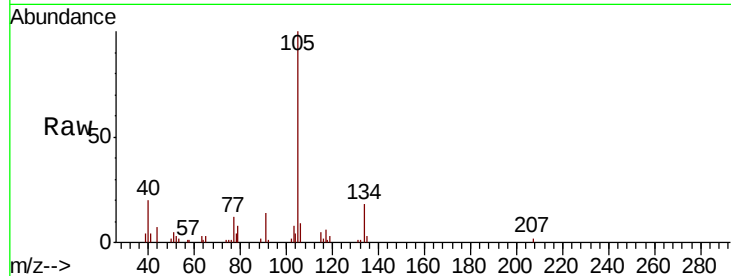
ClientSampleId :

Tot Ion:105 Resp: 31275

Ion Ratio Lower Upper

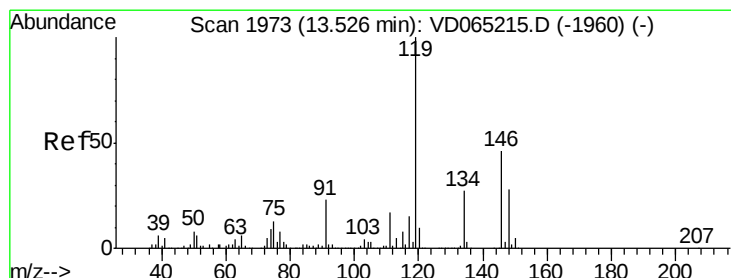
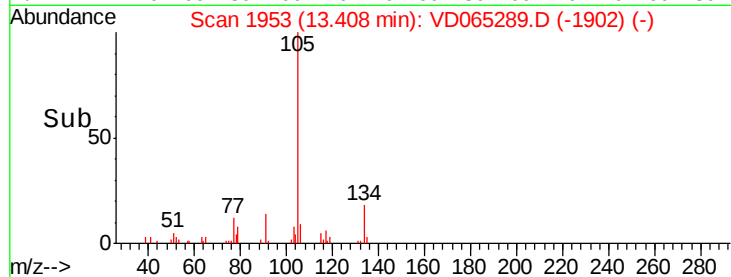
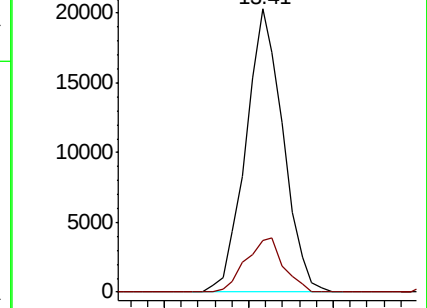
105 100

134 19.2 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 26.760 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065289.D

Acq: 24 Feb 2020 12:38

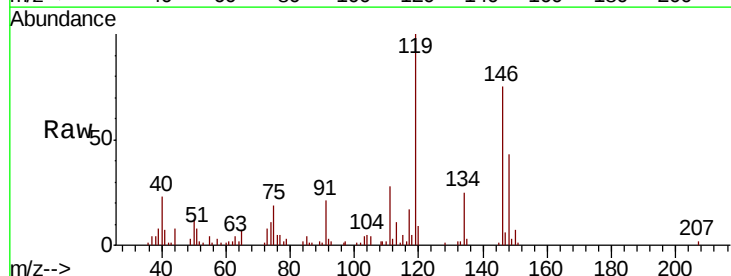
Tgt Ion:119 Resp: 26380

Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

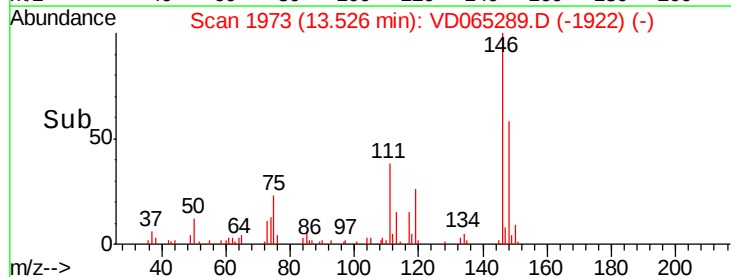
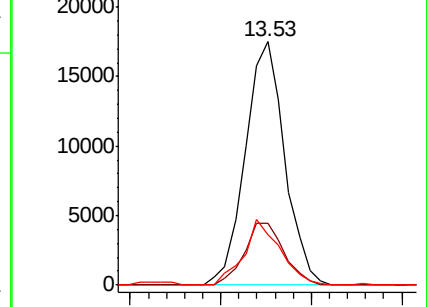
91 24.6 11.1 33.1

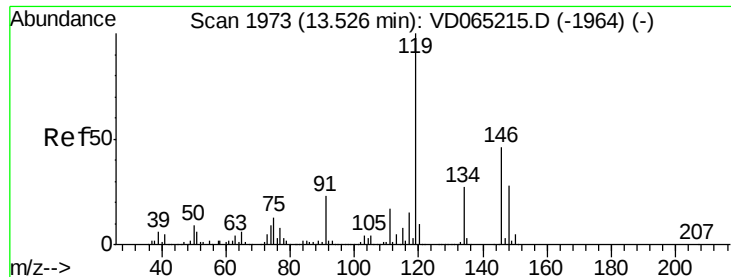


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

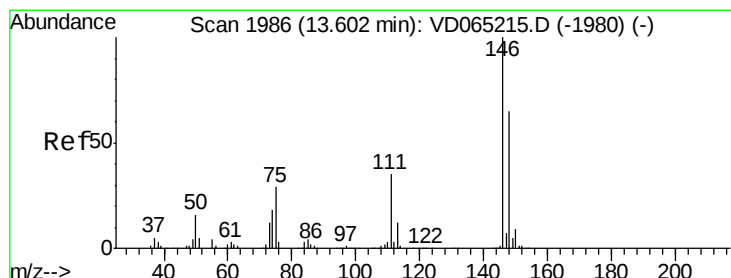
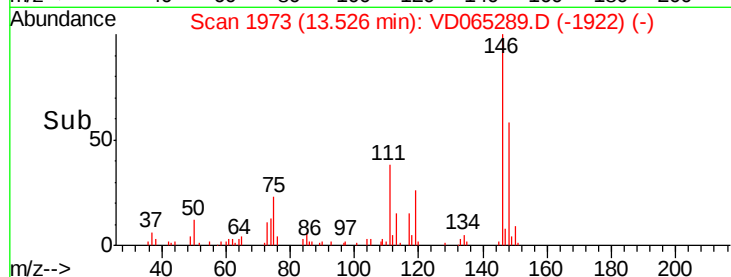
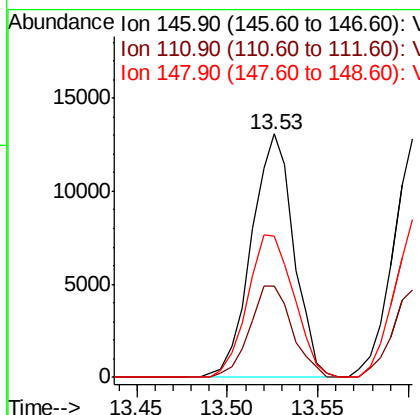
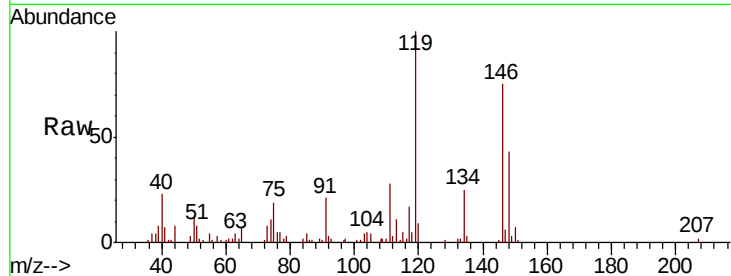




#87
 1,3-Dichlorobenzene
 Concen: 40.810 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

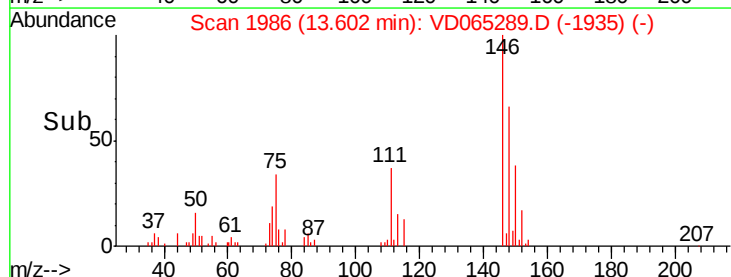
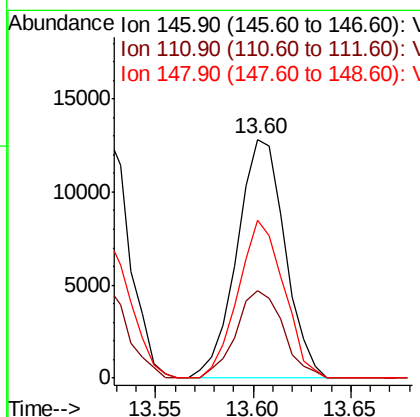
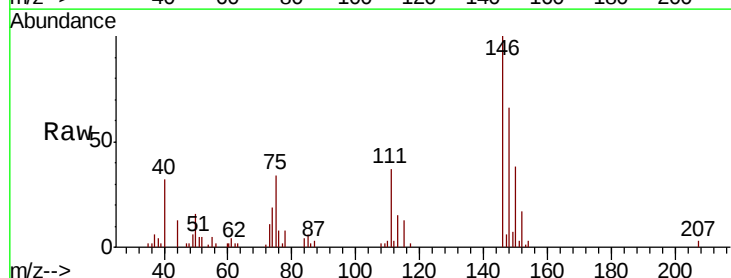
Instrument :
 MSVOA_D
 ClientSampleId :

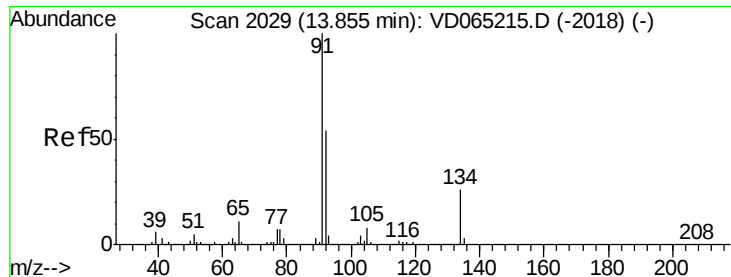
Tot Ion:146 Resp: 21231
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.6 55.8
 148 63.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 42.577 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion:146 Resp: 21861
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.4 55.2
 148 63.1 32.1 96.5

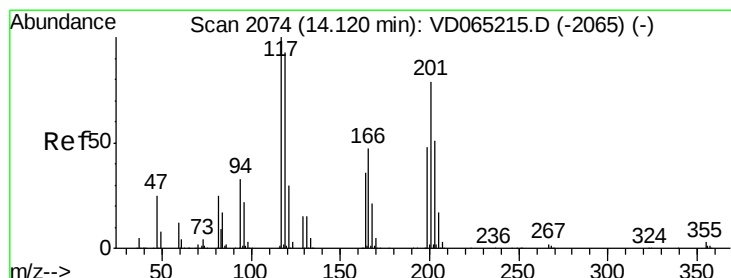
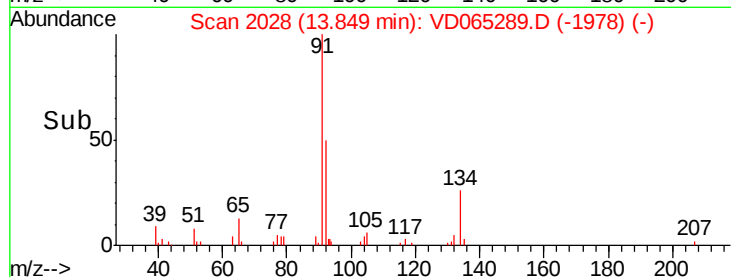
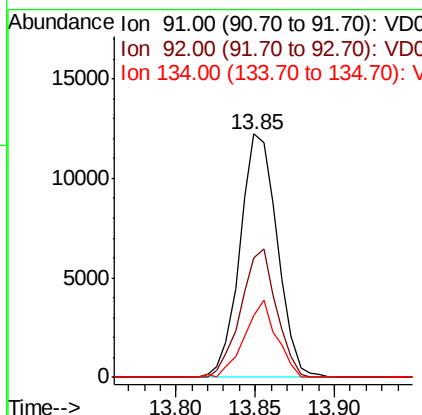
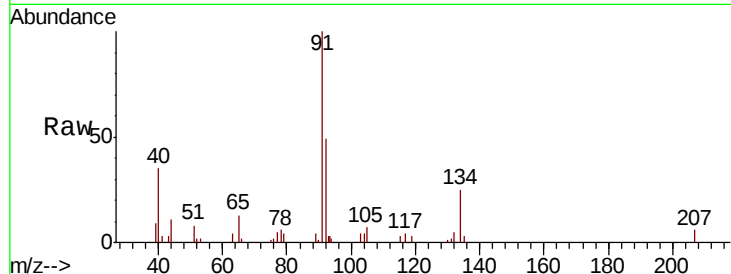




#89
n-Butylbenzene
Concen: 21.972 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

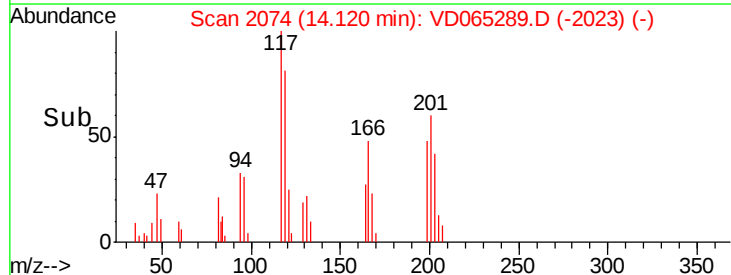
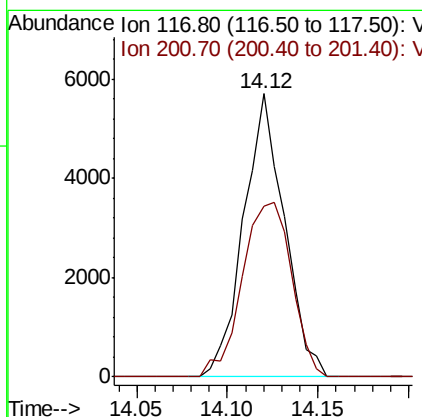
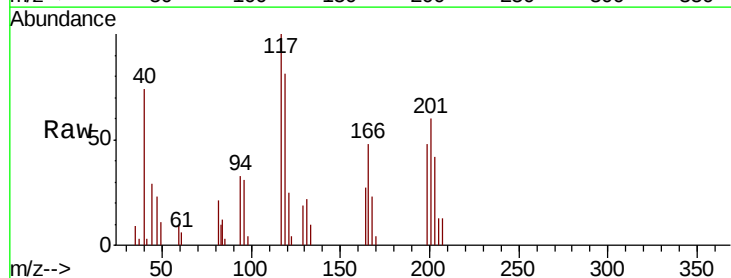
Instrument :
MSVOA_D
ClientSampleId :

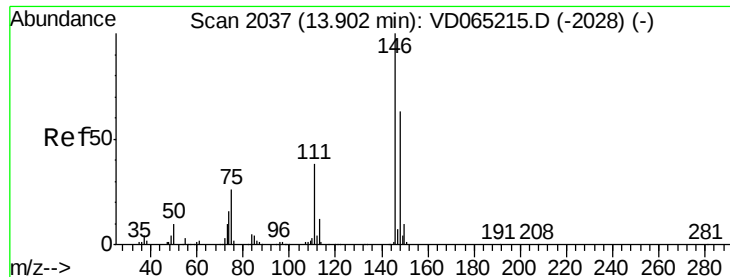
Tot Ion: 91 Resp: 19959
Ion Ratio Lower Upper
91 100
92 50.1 27.0 80.8
134 27.1 13.5 40.4



#90
Hexachloroethane
Concen: 44.514 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion: 117 Resp: 8910
Ion Ratio Lower Upper
117 100
201 74.6 41.3 124.1

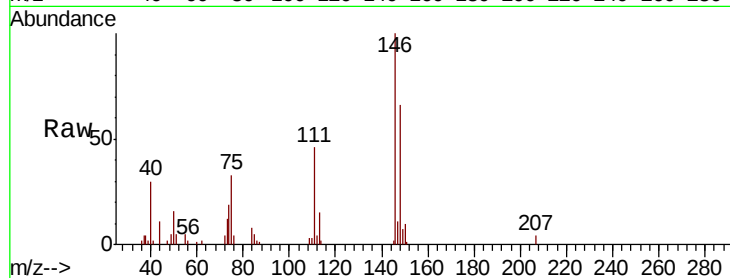




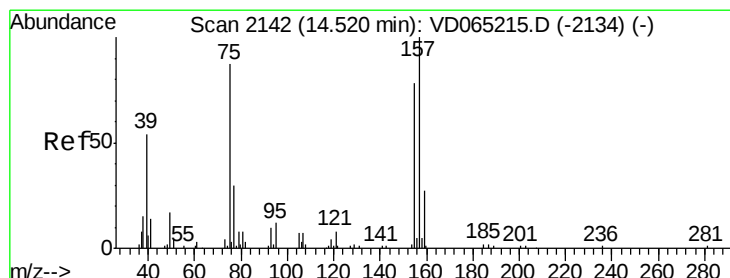
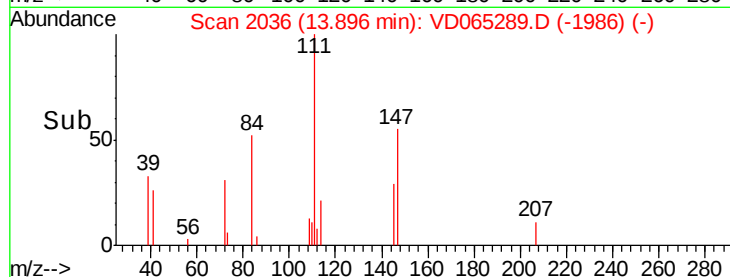
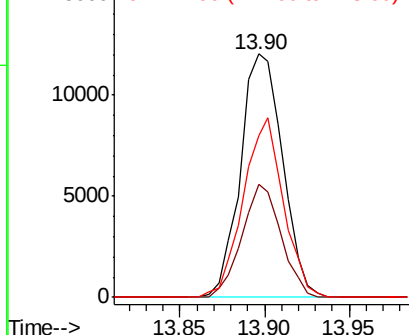
#91
 1,2-Dichlorobenzene
 Concen: 46.831 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	19.7	59.0
148	70.1	32.0	96.2

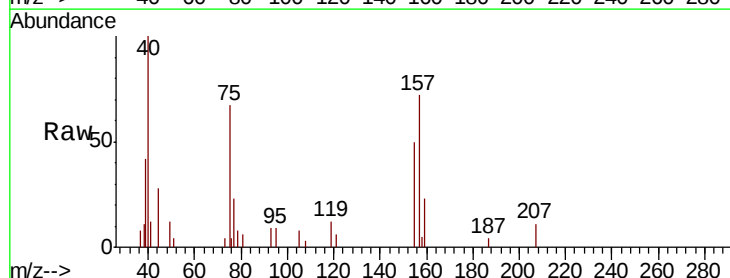


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

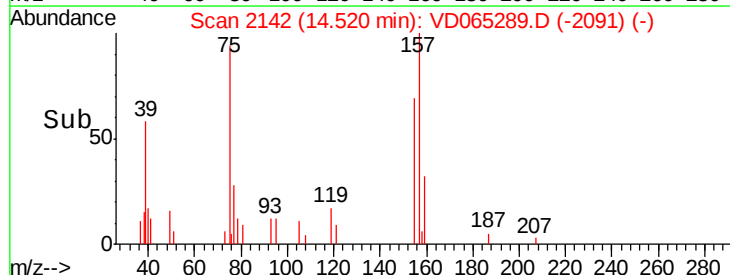
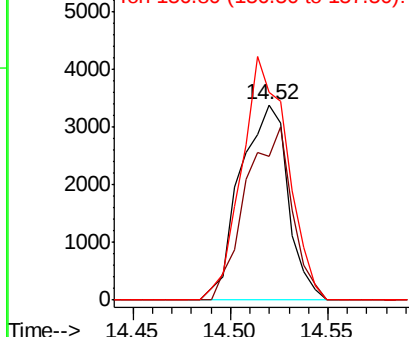


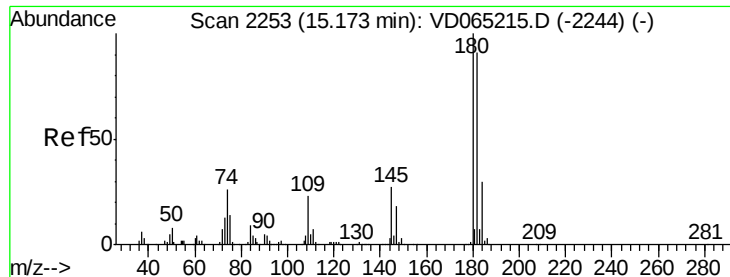
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 190.309 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.3	126.9
157	118.8	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

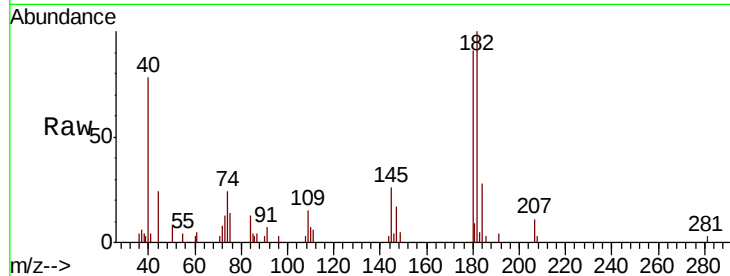




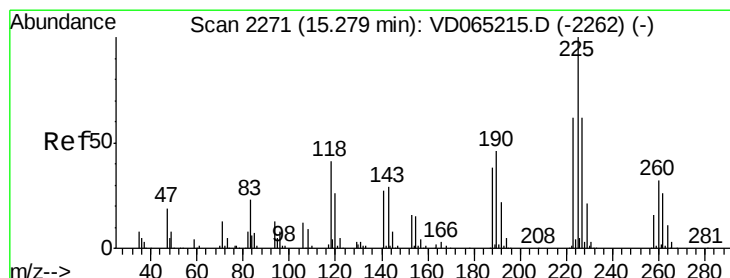
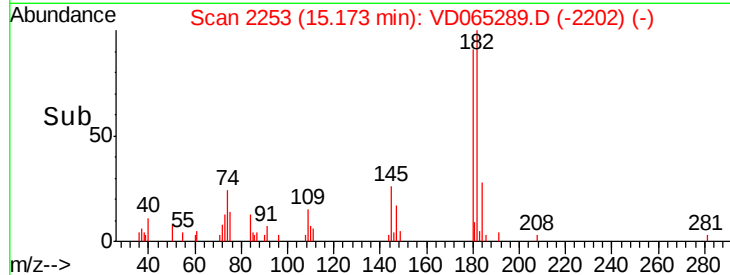
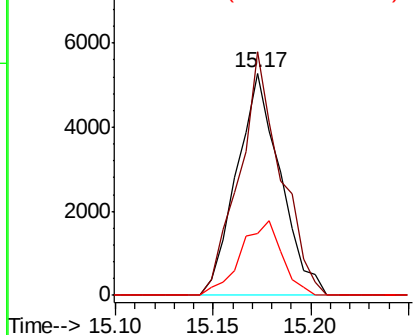
#93
 1,2,4-Trichlorobenzene
 Concen: 27.979 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 8175
 Ion Ratio Lower Upper
 180 100
 182 103.7 46.9 140.6
 145 31.7 13.9 41.7

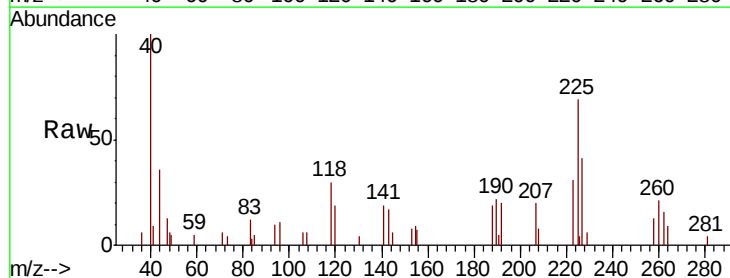


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

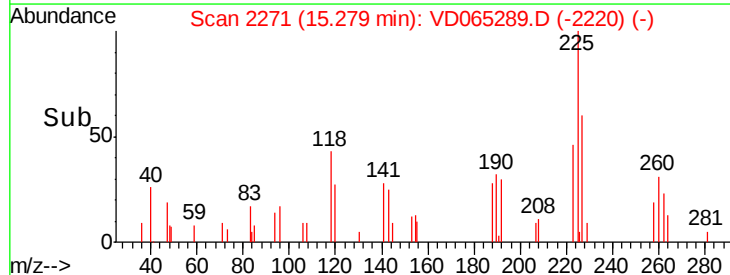
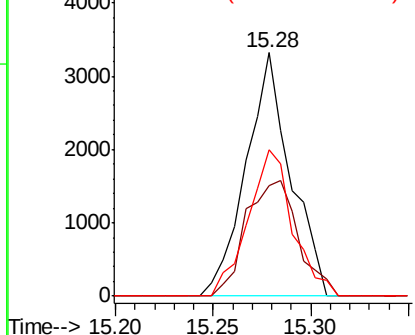


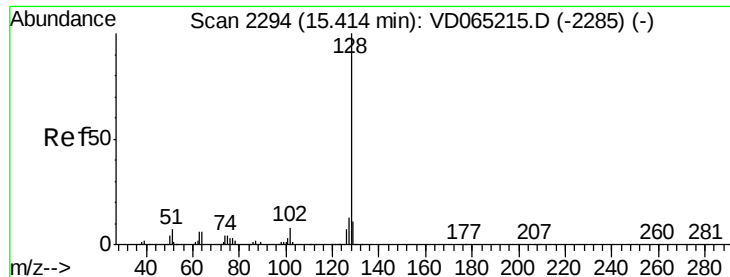
#94
 Hexachlorobutadiene
 Concen: 27.999 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065289.D
 Acq: 24 Feb 2020 12:38

Tgt Ion:225 Resp: 5248
 Ion Ratio Lower Upper
 225 100
 223 55.4 31.4 94.2
 227 60.2 31.7 95.1



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

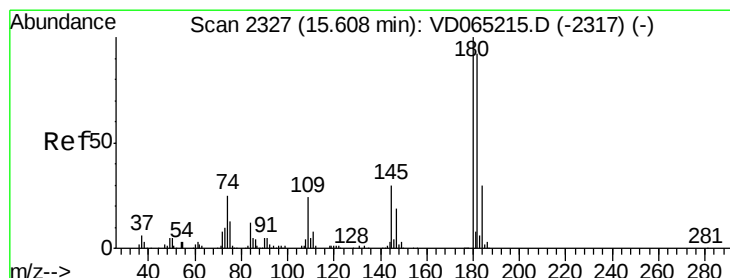
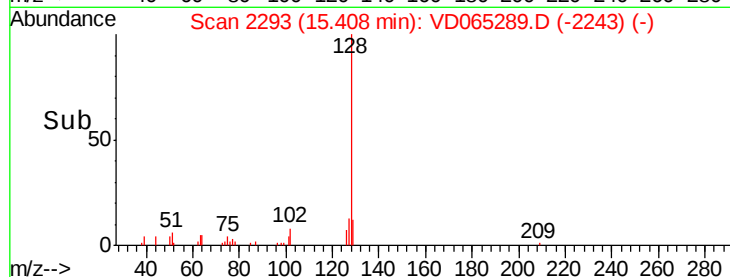
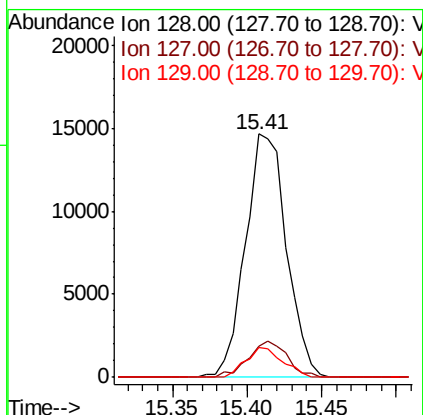
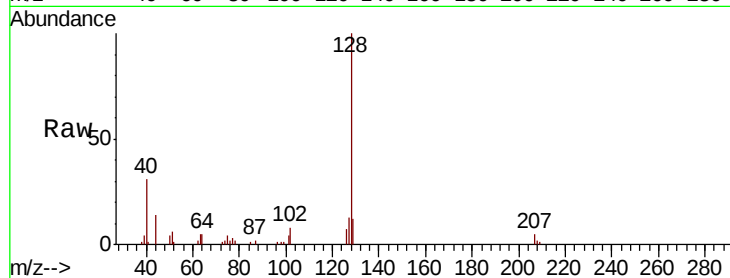




#95
Naphthalene
Concen: 58.718 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 27891
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 35.112 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065289.D
Acq: 24 Feb 2020 12:38

Tgt Ion:180 Resp: 8960
Ion Ratio Lower Upper
180 100
182 88.9 46.9 140.6
145 27.6 15.4 46.1

