

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065389.D
 Acq On : 03 Mar 2020 12:43
 Operator : VA/SY
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 04 06:00:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	424827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	655240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	603534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	301400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	211953	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.92	113	220068	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
50) Toluene-d8	10.34	98	810925	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.64	95	262115	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	19377	5.438	ug/l	99
3) Chloromethane	2.21	50	20904	4.609	ug/l	92
4) Vinyl Chloride	2.36	62	20988	4.551	ug/l	98
5) Bromomethane	2.77	94	14157	5.077	ug/l	87
6) Chloroethane	2.92	64	12100	4.298	ug/l #	88
7) Trichlorofluoromethane	3.27	101	35064	5.311	ug/l	90
8) Diethyl Ether	3.71	74	9635	4.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20475	4.911	ug/l	99
10) Methyl Iodide	4.30	142	18171	4.197	ug/l	97
11) Tert butyl alcohol	5.26	59	5743	25.147	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	18331	4.654	ug/l	97
13) Acrolein	3.93	56	7352	21.625	ug/l	94
14) Allyl chloride	4.71	41	27448	4.291	ug/l	97
15) Acrylonitrile	5.44	53	20052	22.725	ug/l	98
16) Acetone	4.17	43	20048	21.459	ug/l #	77
17) Carbon Disulfide	4.40	76	60085	4.550	ug/l	100
18) Methyl Acetate	4.73	43	15563	7.407	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	33000	4.018	ug/l	97
20) Methylene Chloride	4.96	84	39844	8.402	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	20817	4.649	ug/l	89
22) Diisopropyl ether	6.37	45	46760	3.792	ug/l	95
23) Vinyl Acetate	6.31	43	102510	15.080	ug/l	100
24) 1,1-Dichloroethane	6.26	63	33377	4.364	ug/l	98
25) 2-Butanone	7.23	43	23601	19.967	ug/l	94
26) 2,2-Dichloropropane	7.21	77	30163	4.546	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	20538	4.330	ug/l	94
28) Bromochloromethane	7.55	49	13706	4.830	ug/l	98
29) Tetrahydrofuran	7.57	42	13999	20.213	ug/l	97
30) Chloroform	7.71	83	36985	4.800	ug/l	99
31) Cyclohexane	7.98	56	36794	4.896	ug/l #	73
32) 1,1,1-Trichloroethane	7.91	97	32562	4.723	ug/l	99
36) 1,1-Dichloropropene	8.11	75	27138	4.257	ug/l	98
37) Ethyl Acetate	7.30	43	11857	4.449	ug/l	98
38) Carbon Tetrachloride	8.10	117	29457	4.539	ug/l #	97

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 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 05:56:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	29562	3.944	ug/l	98
40) Benzene	8.36	78	80176	4.455	ug/l	96
41) Methacrylonitrile	7.54	41	6550	4.256	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	23162	4.682	ug/l	99
43) Isopropyl Acetate	8.46	43	20670	4.265	ug/l	97
44) Trichloroethene	9.11	130	23689	4.749	ug/l	97
45) 1,2-Dichloropropane	9.40	63	20099	4.492	ug/l #	86
46) Dibromomethane	9.48	93	10179	4.421	ug/l	96
47) Bromodichloromethane	9.67	83	27079	4.463	ug/l	99
48) Methyl methacrylate	9.46	41	8611	3.844	ug/l	94
49) 1,4-Dioxane	9.47	88	2409	89.212	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	48139	19.555	ug/l	100
52) Toluene	10.41	92	51947	4.664	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	23715	4.217	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	27946	4.115	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	14500	4.475	ug/l #	92
56) Ethyl methacrylate	10.67	69	13405	3.584	ug/l	90
57) 1,3-Dichloropropane	10.95	76	23921	4.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	35081	29.749	ug/l	100
59) 2-Hexanone	10.99	43	32444	18.411	ug/l	97
60) Dibromochloromethane	11.15	129	18638	4.494	ug/l	98
61) 1,2-Dibromoethane	11.25	107	14249	4.644	ug/l	99
64) Tetrachloroethene	10.88	164	21274	4.970	ug/l	93
65) Chlorobenzene	11.67	112	54068	4.464	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	20194	4.468	ug/l	98
67) Ethyl Benzene	11.75	91	81671	3.850	ug/l	99
68) m/p-Xylenes	11.86	106	61919	7.630	ug/l	100
69) o-Xylene	12.18	106	26814	3.729	ug/l	100
70) Styrene	12.20	104	45460	3.561	ug/l	100
71) Bromoform	12.37	173	11600	4.625	ug/l #	100
73) Isopropylbenzene	12.49	105	73197	3.668	ug/l	98
74) N-amyl acetate	12.30	43	15608	3.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	16354	4.541	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	20311	7.920	ug/l #	100
77) Bromobenzene	12.77	156	21267	4.292	ug/l	97
78) n-propylbenzene	12.83	91	94908	3.958	ug/l	99
79) 2-Chlorotoluene	12.91	91	53952	4.016	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	60728	3.695	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	4193	3.530	ug/l	95
82) 4-Chlorotoluene	13.01	91	57262	4.015	ug/l	99
83) tert-Butylbenzene	13.23	119	49110	3.565	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	58865	3.578	ug/l	98
85) sec-Butylbenzene	13.41	105	71903	3.623	ug/l	100
86) p-Isopropyltoluene	13.53	119	64584	3.558	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	39842	4.159	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	42710	4.518	ug/l	94
89) n-Butylbenzene	13.86	91	63333	3.787	ug/l	97
90) Hexachloroethane	14.12	117	16699	4.531	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	35694	4.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	2125	3.829	ug/l	76

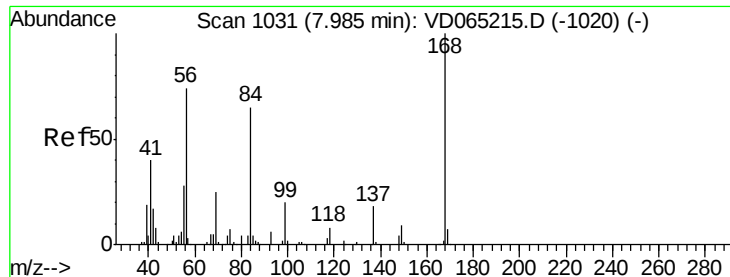
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20563	3.822	ug/l	93
94) Hexachlorobutadiene	15.28	225	15086	4.371	ug/l	100
95) Naphthalene	15.41	128	31412	3.592	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	20299	4.320	ug/l	97

(#) = 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: VD065389.D

Acq: 03 Mar 2020 12:43

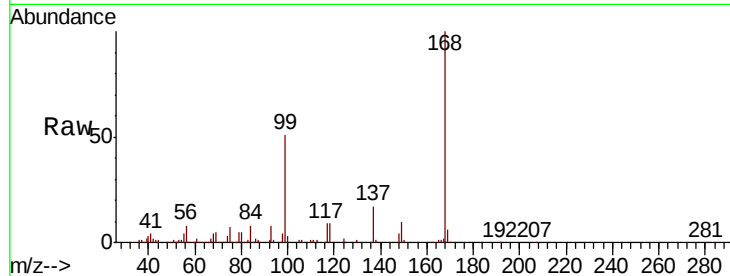
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 424827

Ion Ratio Lower Upper

168 100

99 51.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

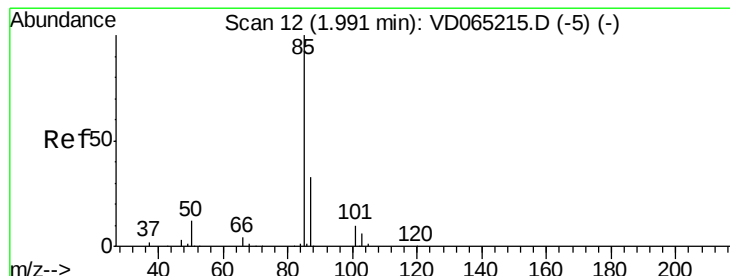
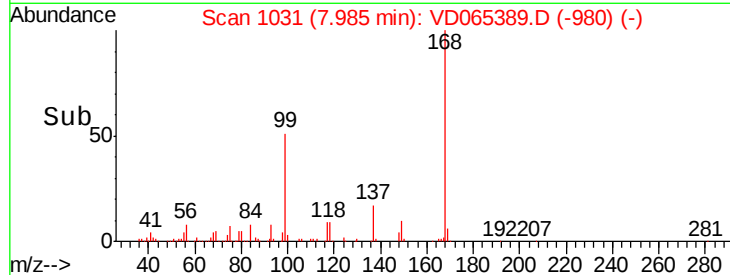
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.438 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065389.D

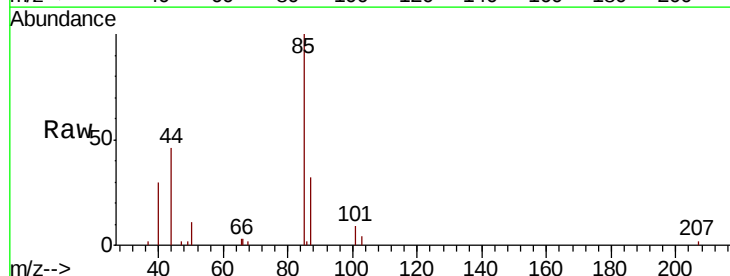
Acq: 03 Mar 2020 12:43

Tgt Ion: 85 Resp: 19377

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

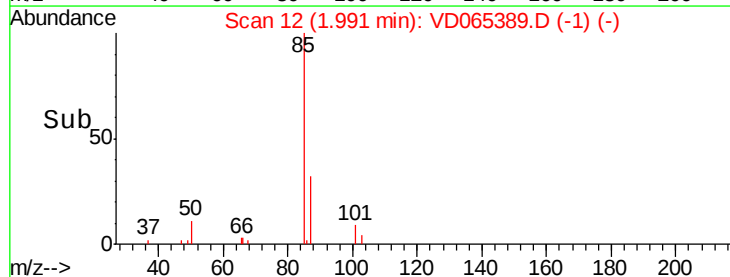
15000

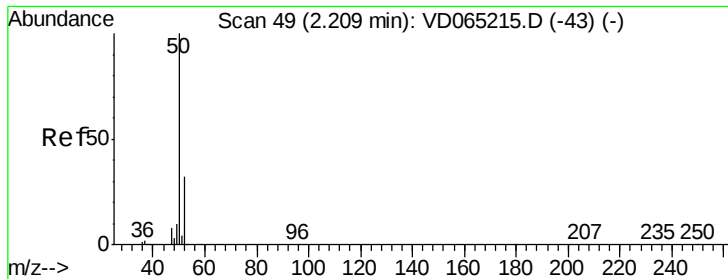
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.609 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

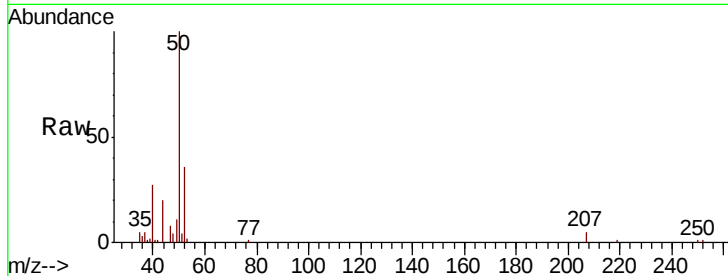
ClientSampleId :

Tot Ion: 50 Resp: 20904

Ion Ratio Lower Upper

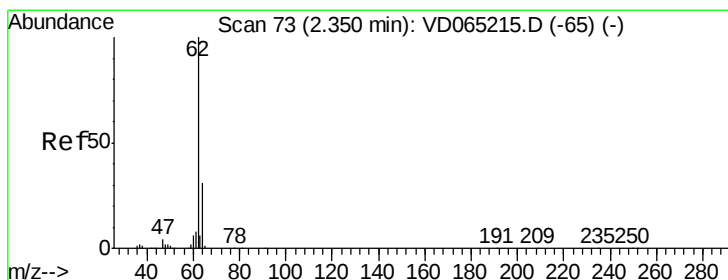
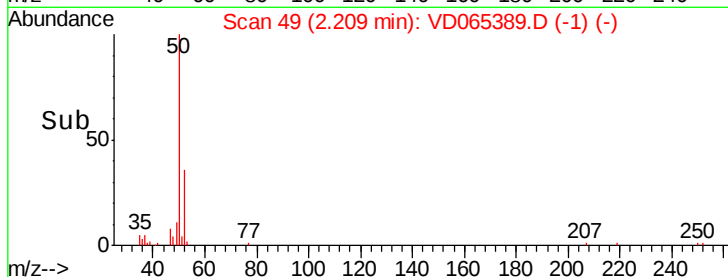
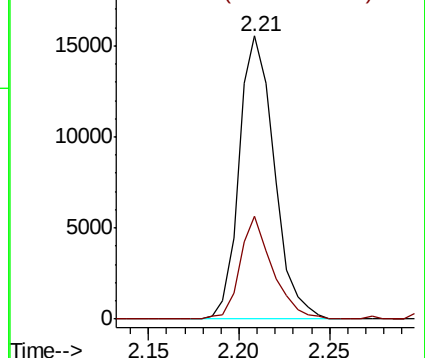
50 100

52 36.2 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.551 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065389.D

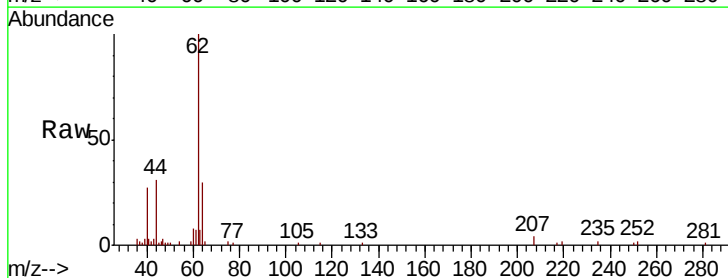
Acq: 03 Mar 2020 12:43

Tgt Ion: 62 Resp: 20988

Ion Ratio Lower Upper

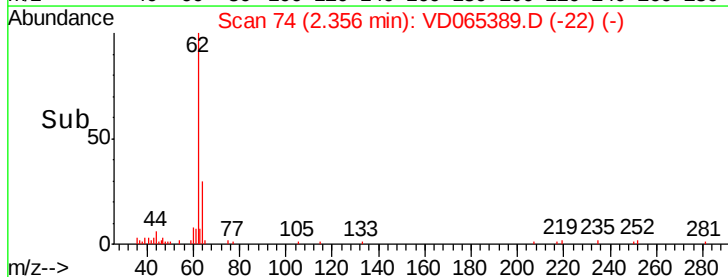
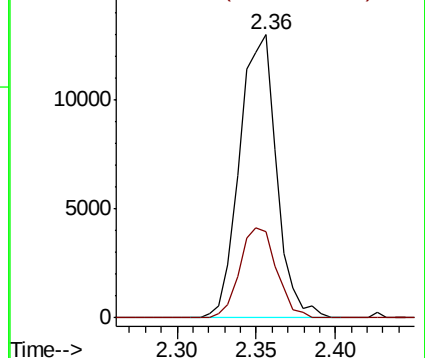
62 100

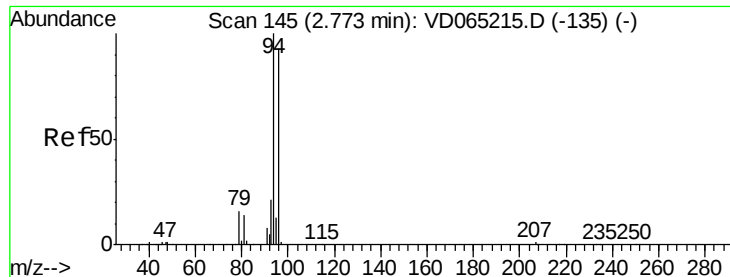
64 30.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.077 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

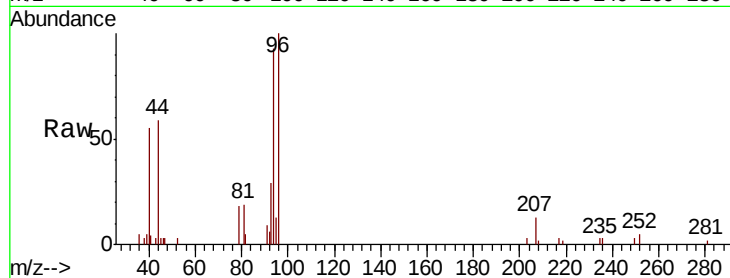
ClientSampleId :

Tot Ion: 94 Resp: 14157

Ion Ratio Lower Upper

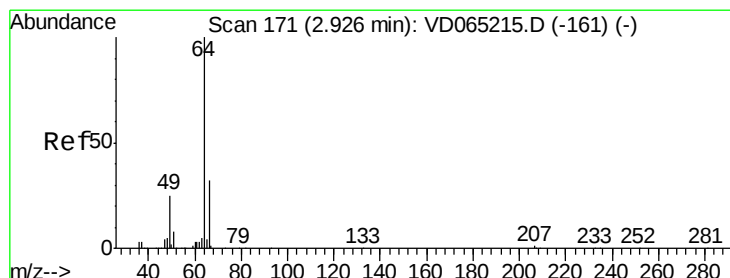
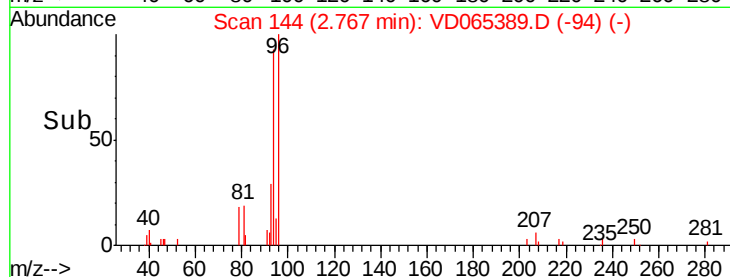
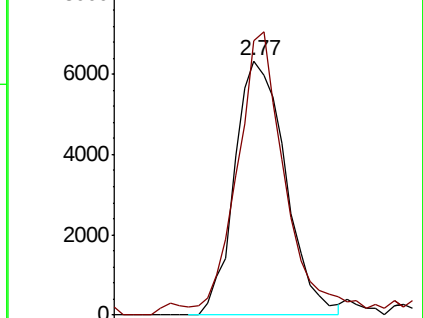
94 100

96 104.8 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: 4.298 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065389.D

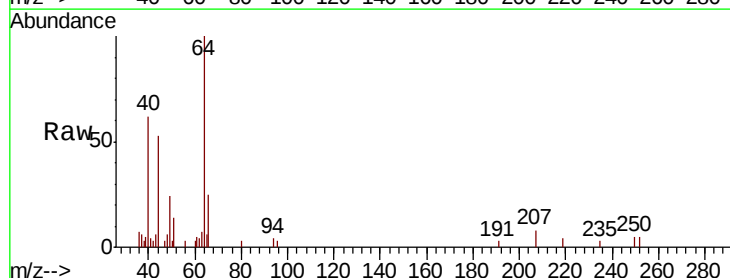
Acq: 03 Mar 2020 12:43

Tgt Ion: 64 Resp: 12100

Ion Ratio Lower Upper

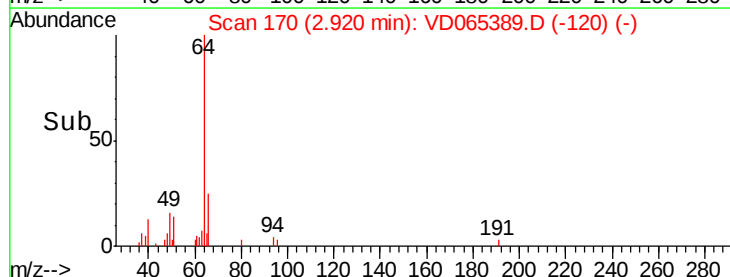
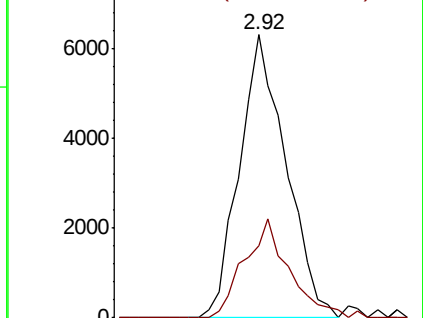
64 100

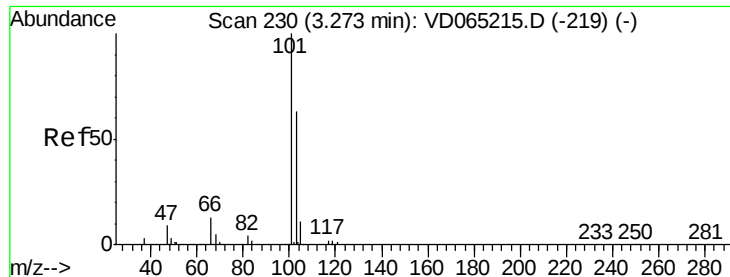
66 25.4 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



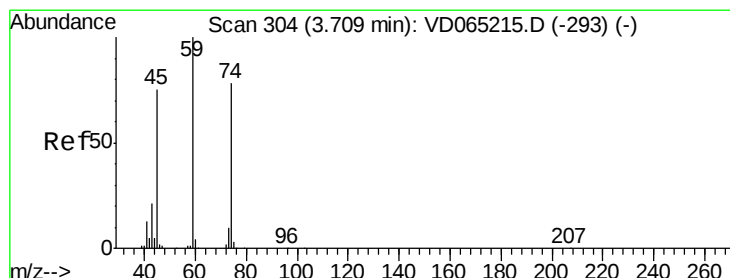
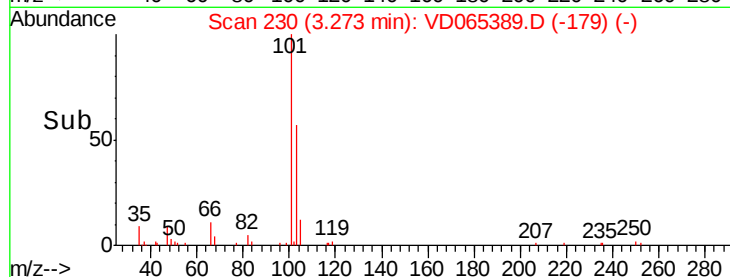
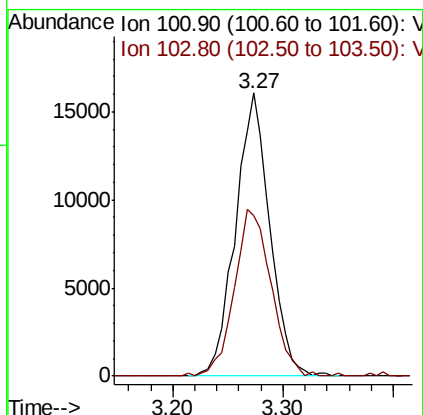
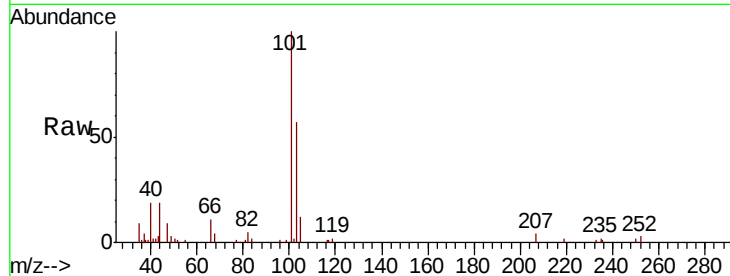


#7

Trichlorofluoromethane
 Concen: 5.311 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :

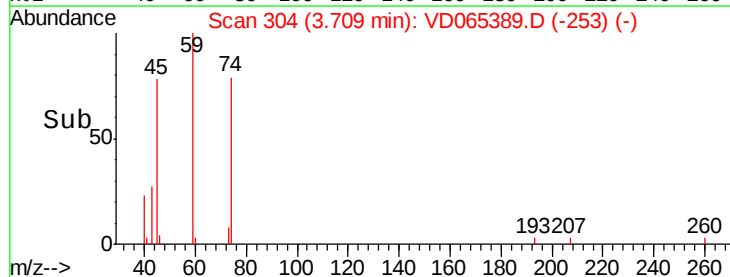
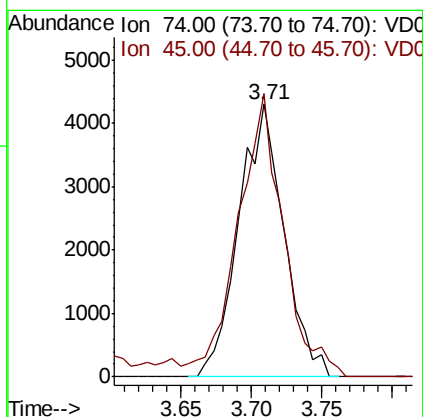
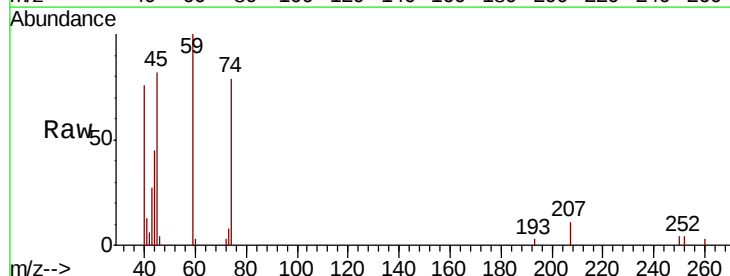
Tot Ion:101 Resp: 35064
 Ion Ratio Lower Upper
 101 100
 103 55.8 50.7 76.1



#8

Diethyl Ether
 Concen: 4.834 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 74 Resp: 9635
 Ion Ratio Lower Upper
 74 100
 45 104.7 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.911 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

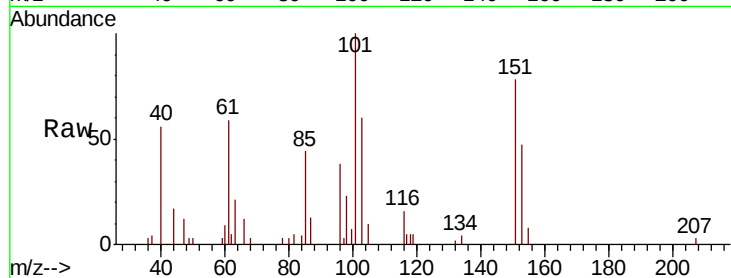
Tot Ion:101 Resp: 20475

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

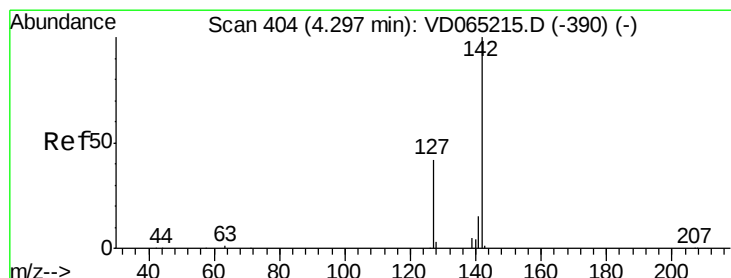
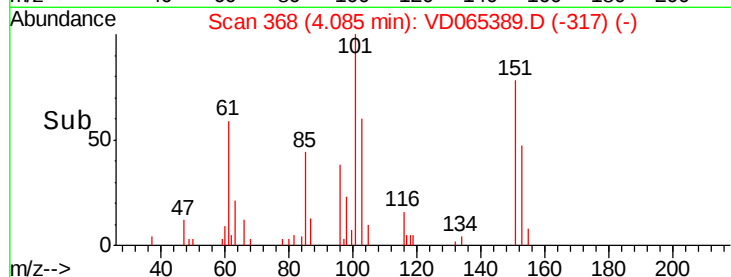
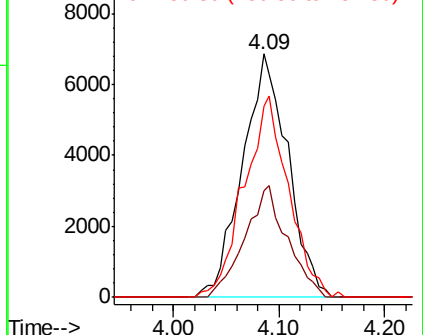
151 80.9 63.5 95.3



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: 4.197 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

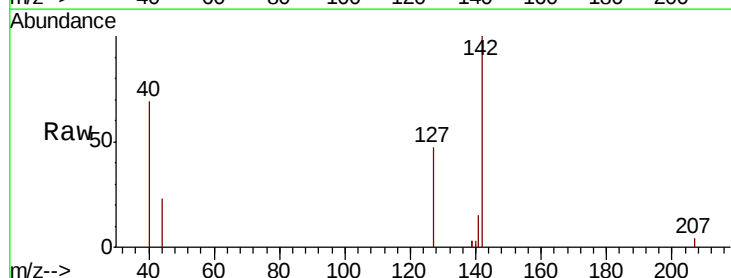
Tgt Ion:142 Resp: 18171

Ion Ratio Lower Upper

142 100

127 39.8 33.8 50.8

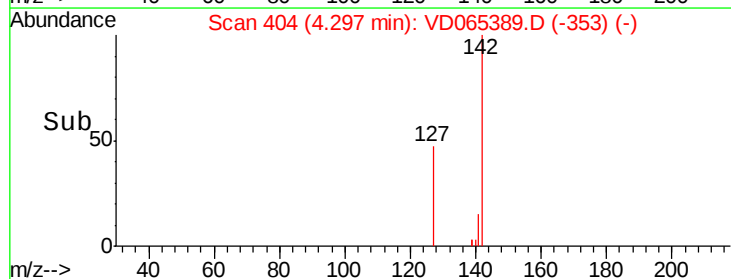
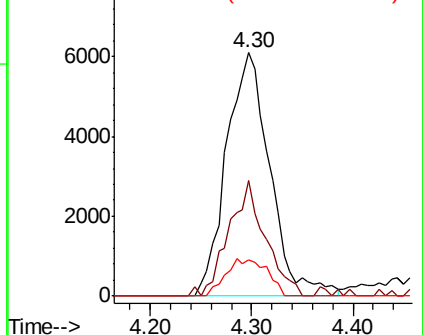
141 14.4 11.7 17.5

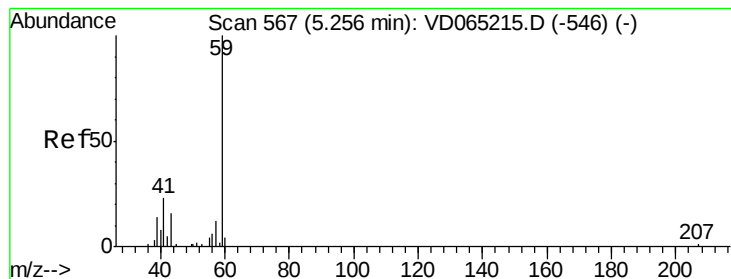


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 25.147 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

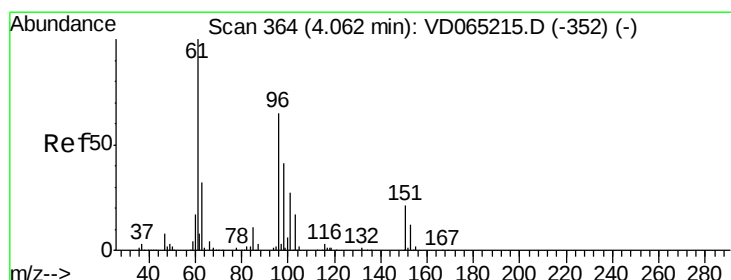
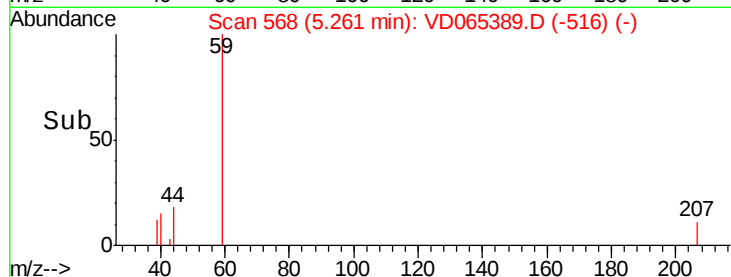
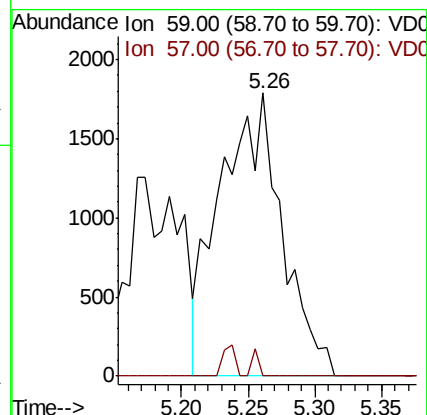
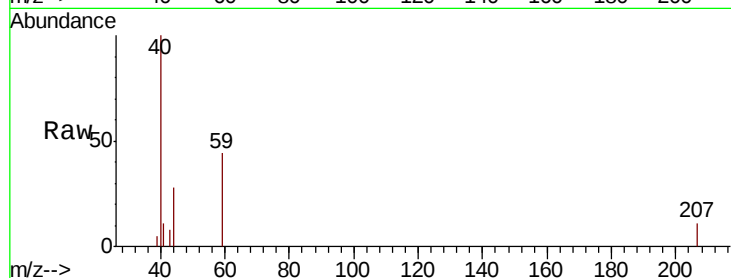
ClientSampleId :

Tot Ion: 59 Resp: 5743

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#12

1,1-Dichloroethene

Concen: 4.654 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

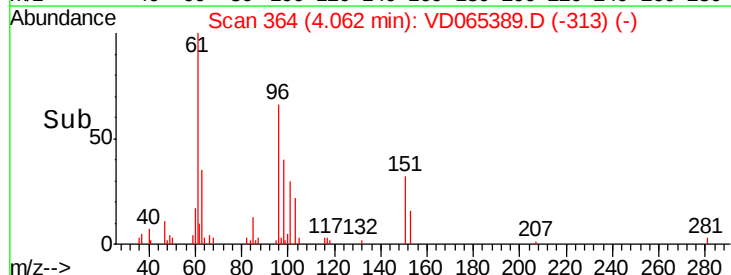
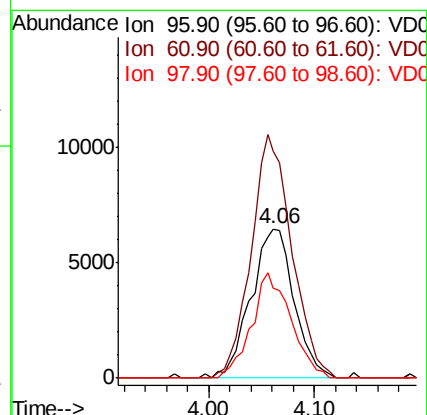
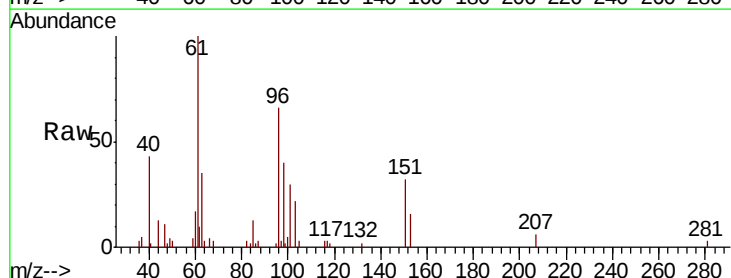
Tgt Ion: 96 Resp: 18331

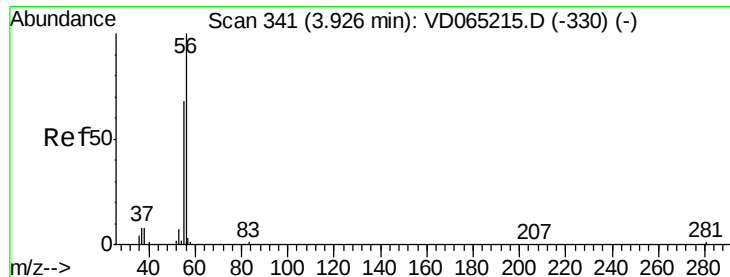
Ion Ratio Lower Upper

96 100

61 151.6 123.3 184.9

98 60.4 51.0 76.4





#13

Acrolein

Concen: 21.625 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

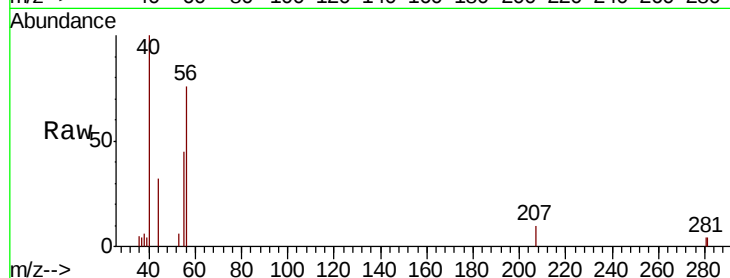
ClientSampleId :

Tot Ion: 56 Resp: 7352

Ion Ratio Lower Upper

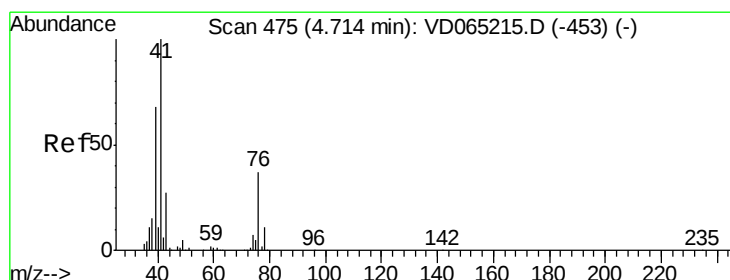
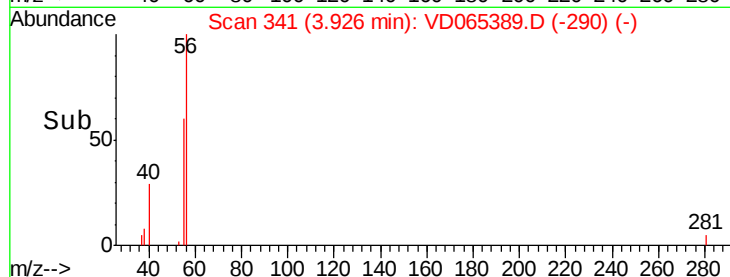
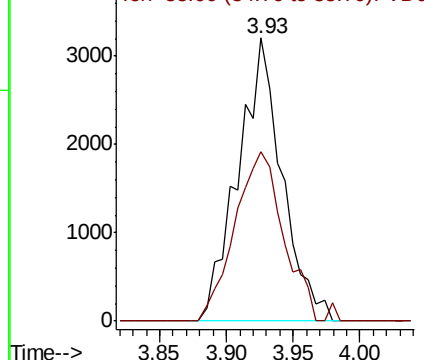
56 100

55 66.0 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: 4.291 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

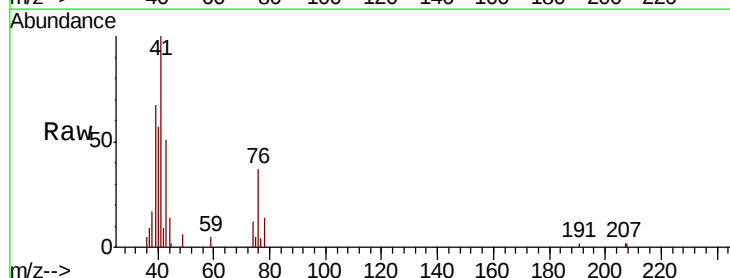
Tgt Ion: 41 Resp: 27448

Ion Ratio Lower Upper

41 100

39 64.0 53.8 80.6

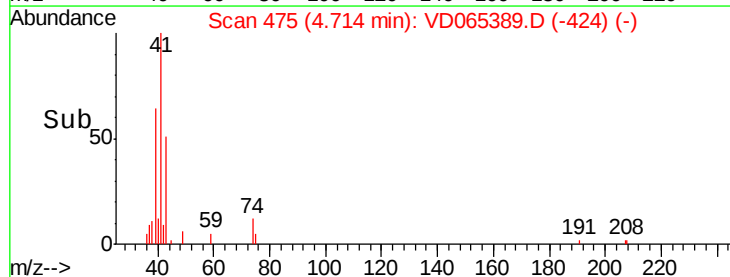
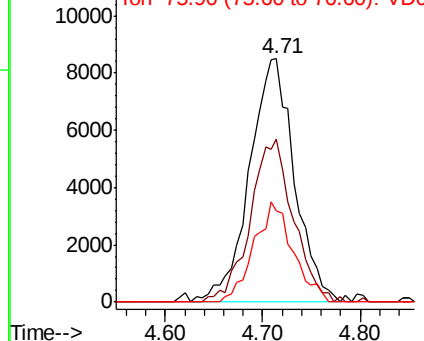
76 35.7 28.7 43.1

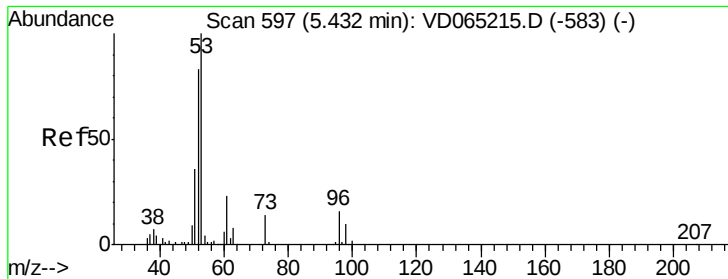


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 22.725 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

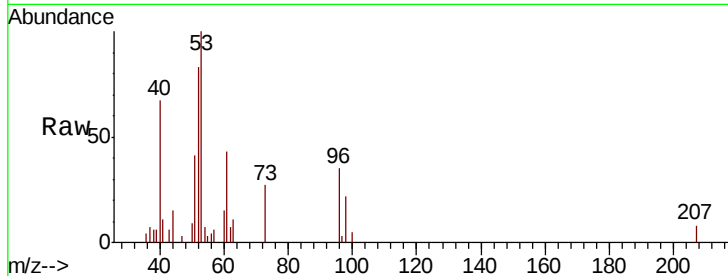
Tot Ion: 53 Resp: 20052

Ion Ratio Lower Upper

53 100

52 82.6 65.4 98.2

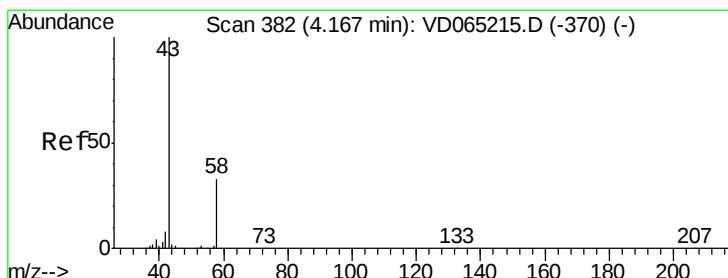
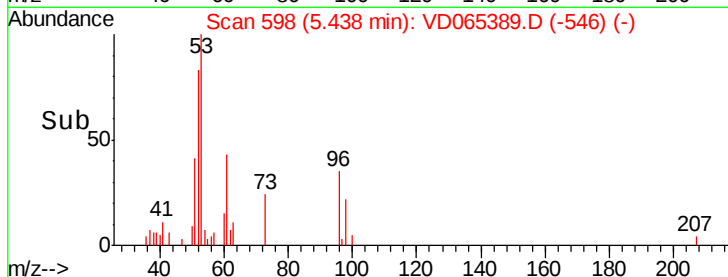
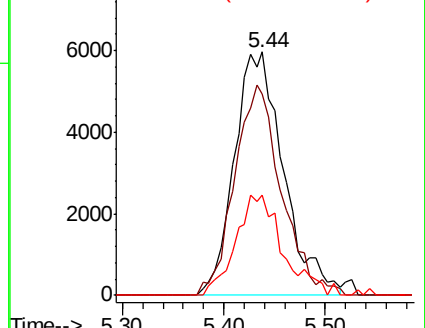
51 39.5 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 21.459 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065389.D

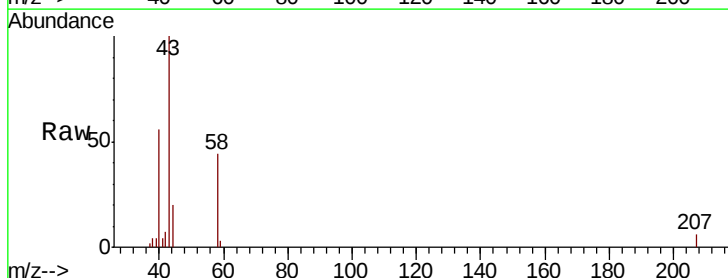
Acq: 03 Mar 2020 12:43

Tgt Ion: 43 Resp: 20048

Ion Ratio Lower Upper

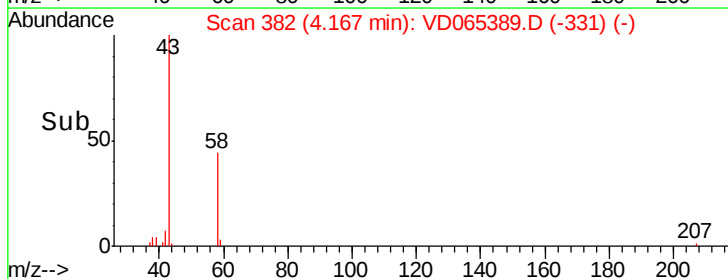
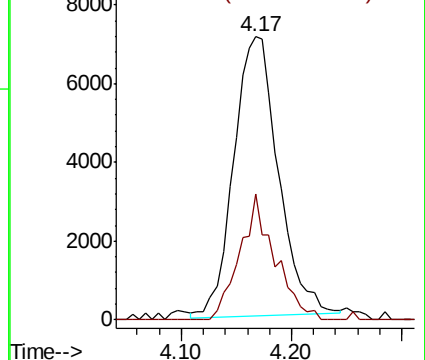
43 100

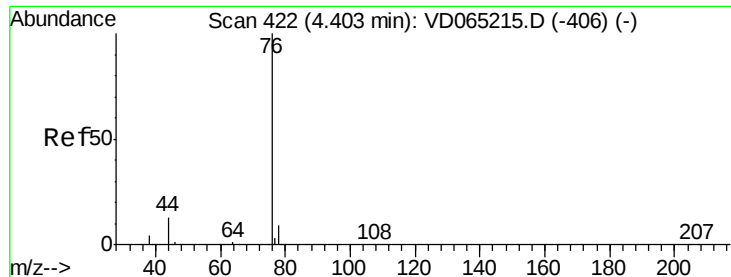
58 45.5 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

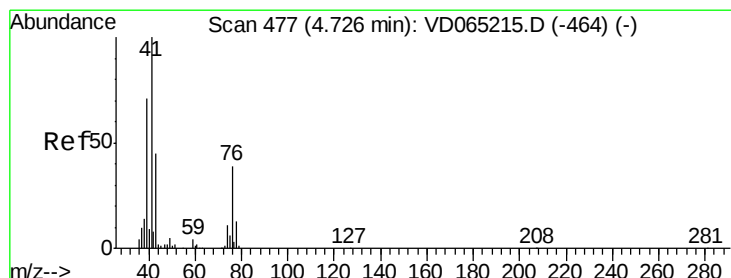
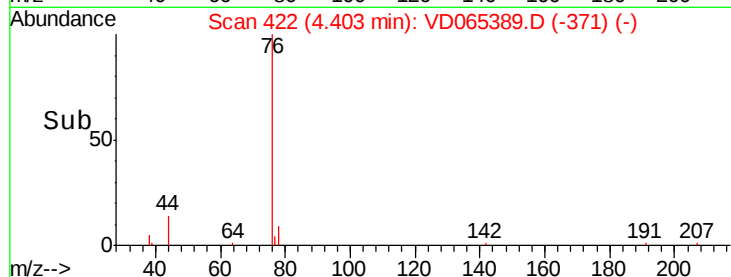
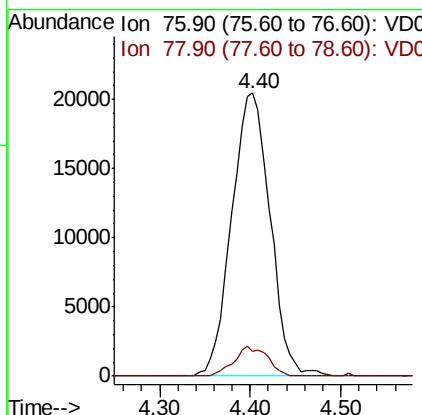
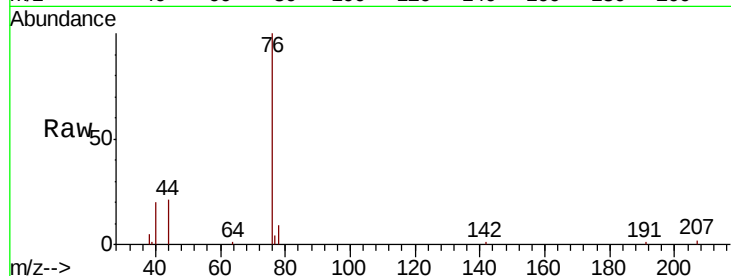




#17
Carbon Disulfide
Concen: 4.550 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

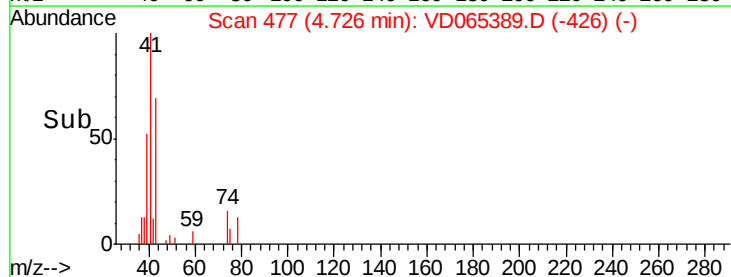
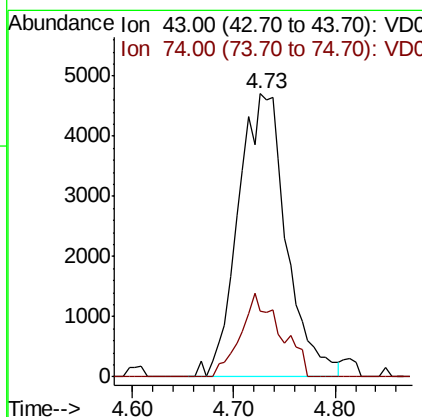
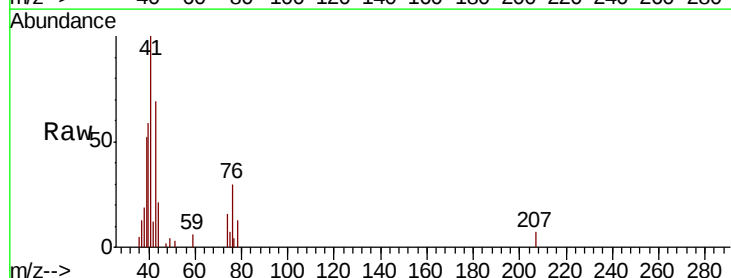
Instrument :
MSVOA_D
ClientSampleId :

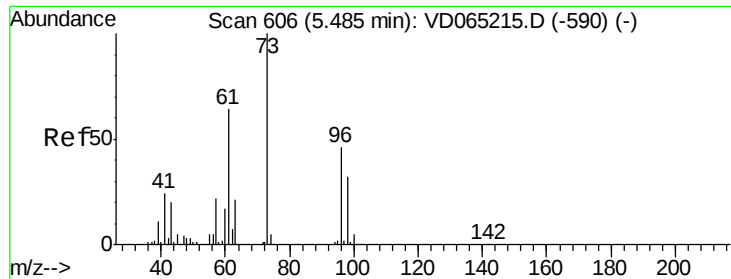
Tot Ion: 76 Resp: 60085
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 7.407 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 43 Resp: 15563
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2

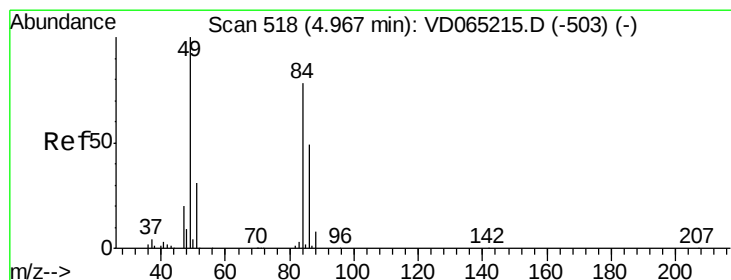
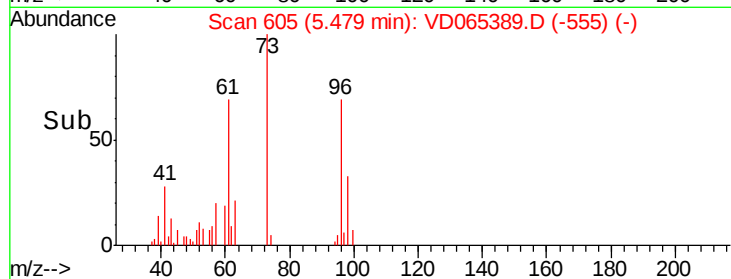
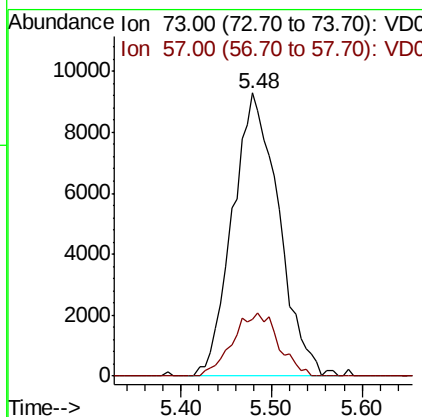
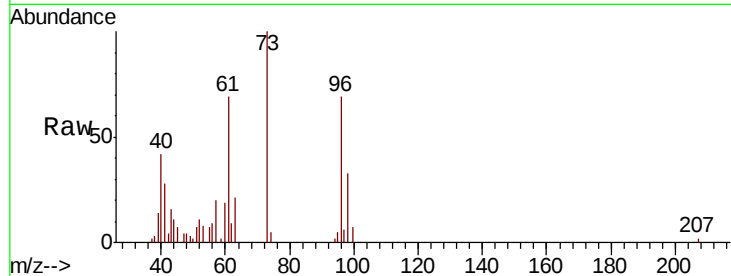




#19
Methyl tert-butyl Ether
Concen: 4.018 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

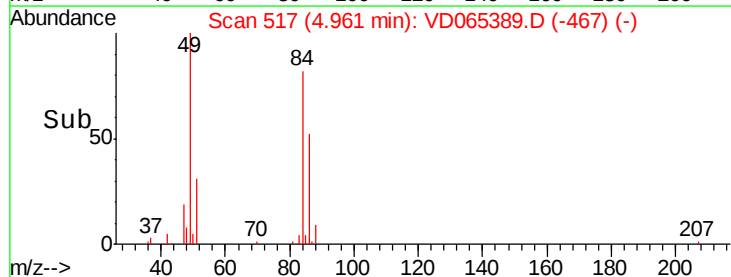
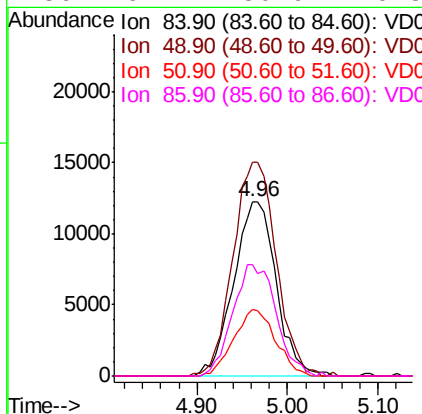
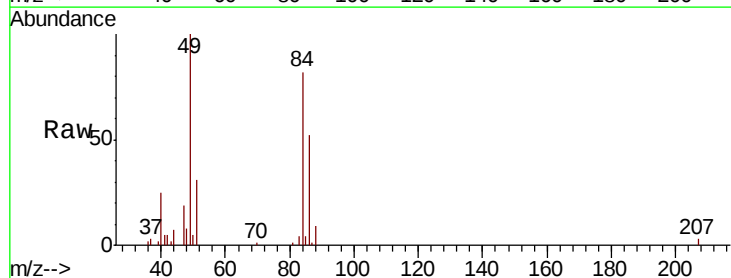
Instrument :
MSVOA_D
ClientSampled :

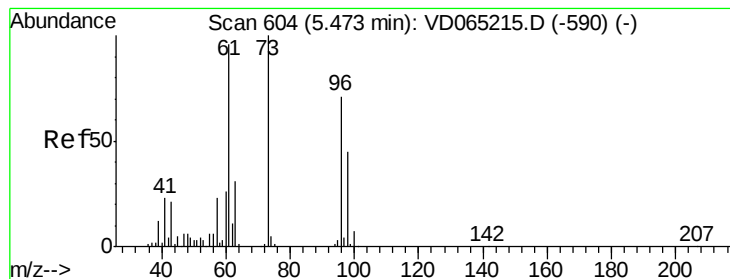
Tot Ion: 73 Resp: 33000
Ion Ratio Lower Upper
73 100
57 20.1 17.3 25.9



#20
Methylene Chloride
Concen: 8.402 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 84 Resp: 39844
Ion Ratio Lower Upper
84 100
49 122.5 103.1 154.7
51 38.0 31.7 47.5
86 64.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 4.649 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

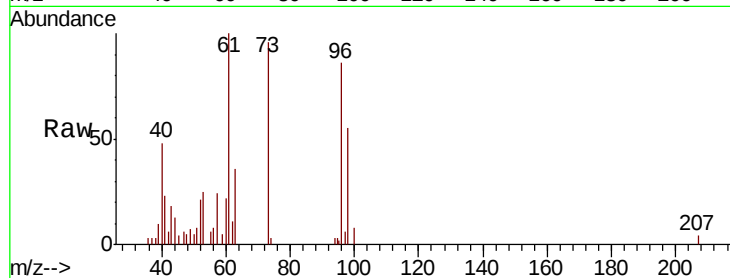
Tot Ion: 96 Resp: 20817

Ion Ratio Lower Upper

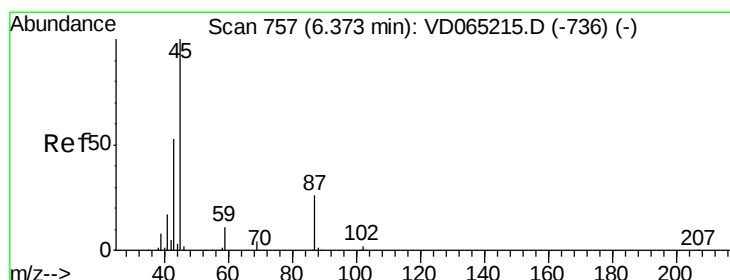
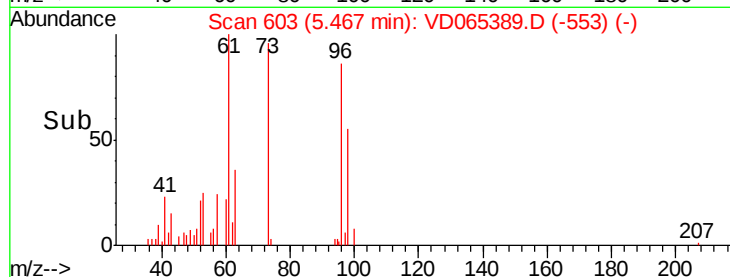
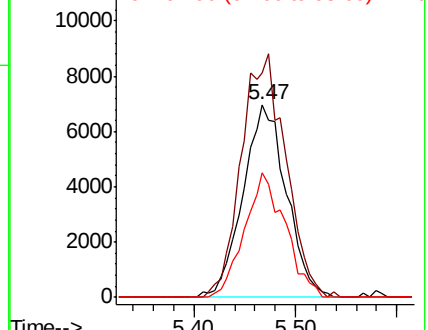
96 100

61 116.8 108.3 162.5

98 64.4 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: 3.792 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Tgt Ion: 45 Resp: 46760

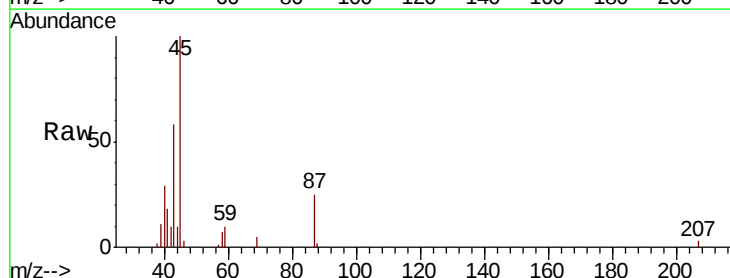
Ion Ratio Lower Upper

45 100

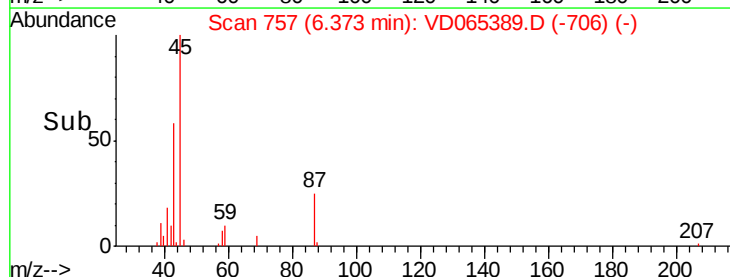
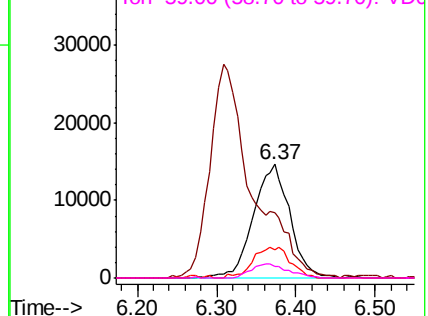
43 57.7 42.6 64.0

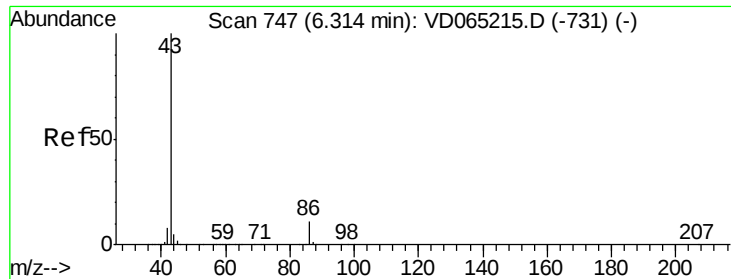
87 24.6 21.2 31.8

59 10.4 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: 15.080 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

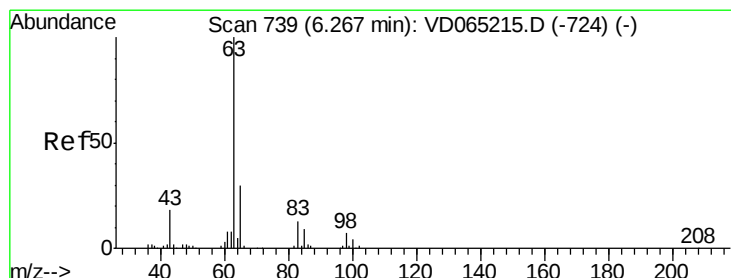
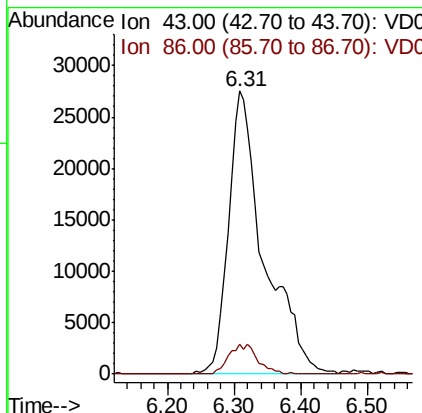
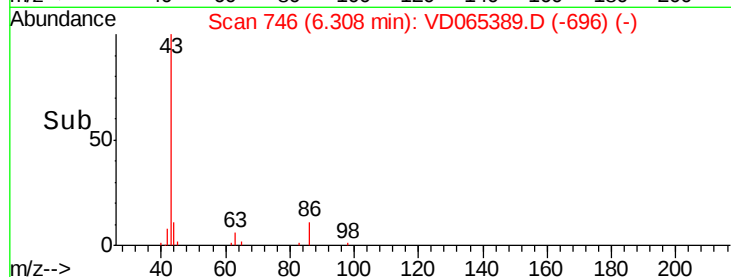
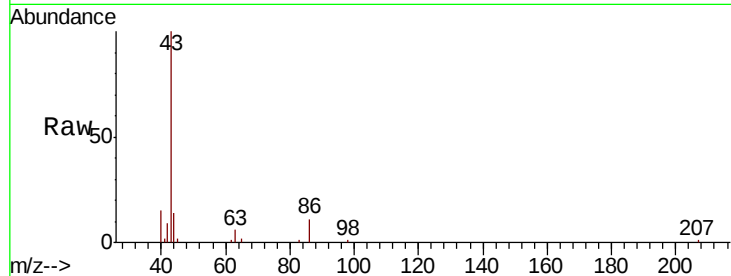
ClientSampleId :

Tot Ion: 43 Resp: 102510

Ion Ratio Lower Upper

43 100

86 10.6 8.6 12.8



#24

1,1-Dichloroethane

Concen: 4.364 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

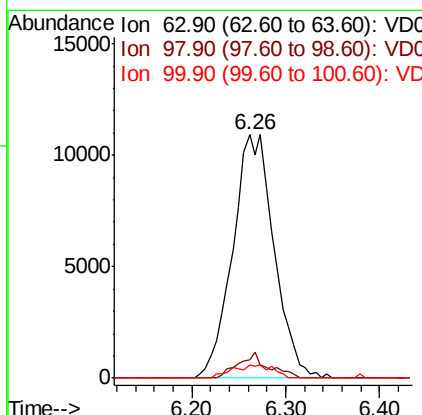
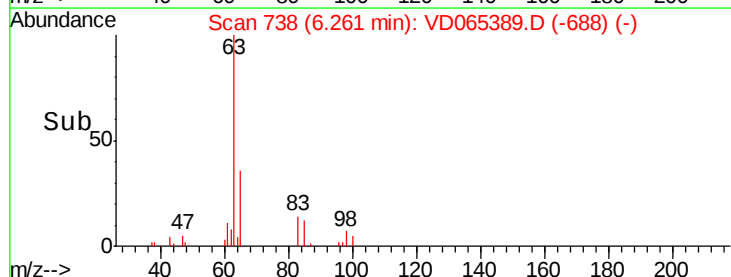
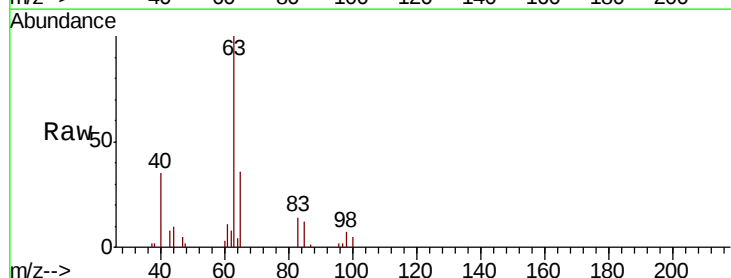
Tgt Ion: 63 Resp: 33377

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 5.2 2.3 6.8

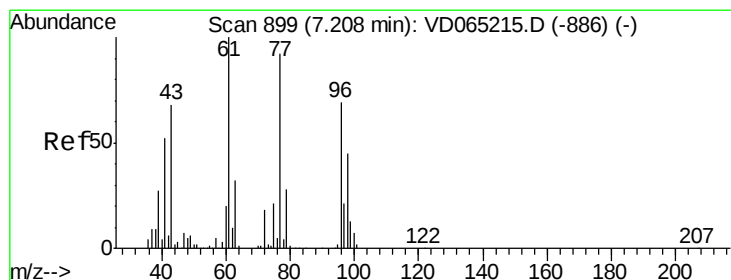
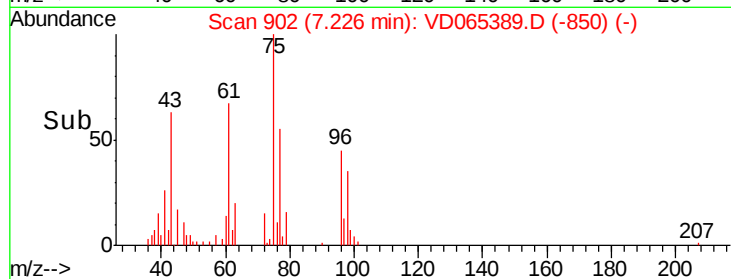
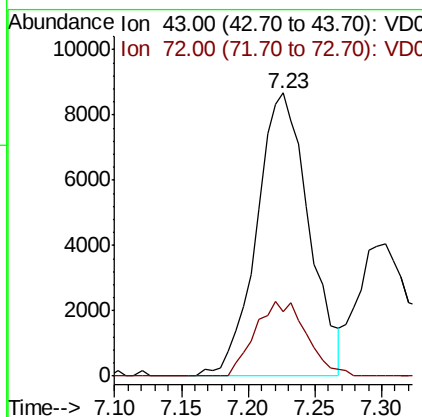
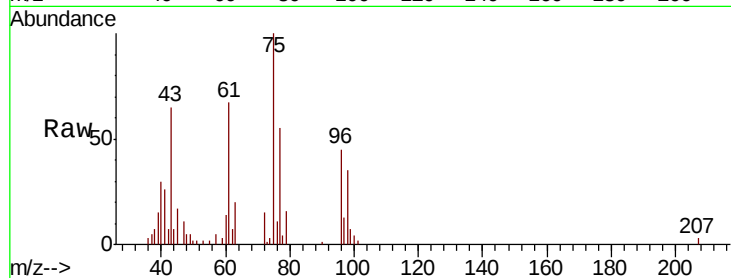




#25
2-Butanone
Concen: 19.967 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

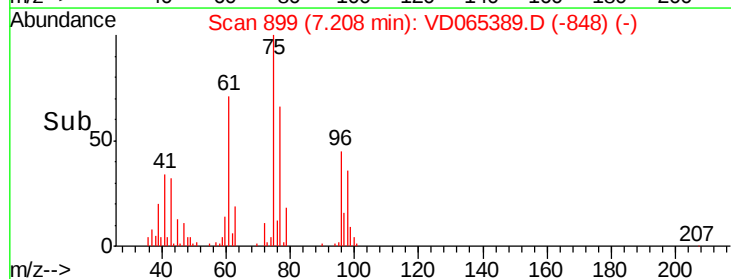
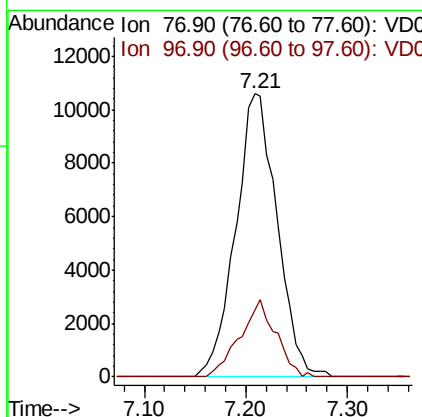
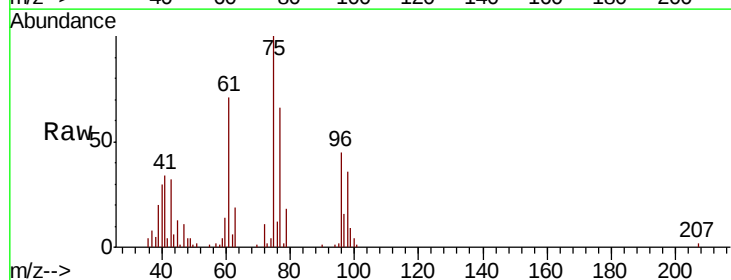
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 23601
Ion Ratio Lower Upper
43 100
72 22.8 20.9 31.3



#26
2,2-Dichloropropane
Concen: 4.546 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 77 Resp: 30163
Ion Ratio Lower Upper
77 100
97 23.7 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 4.330 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

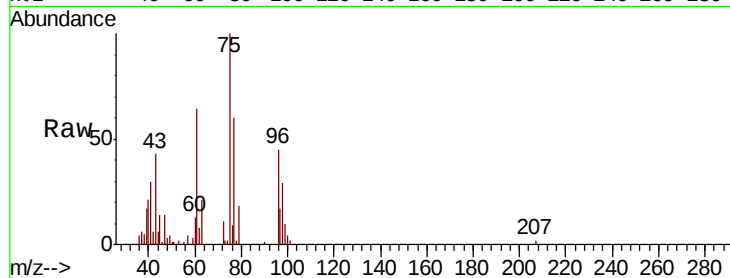
Tot Ion: 96 Resp: 20538

Ion Ratio Lower Upper

96 100

61 150.0 0.0 286.0

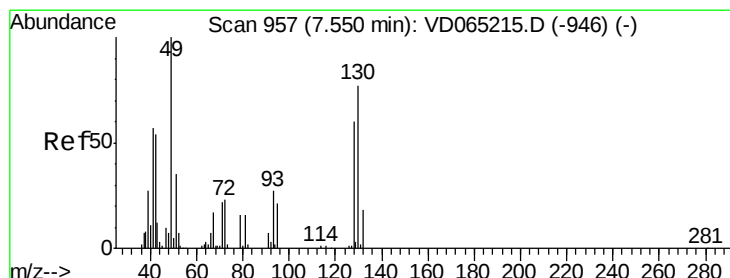
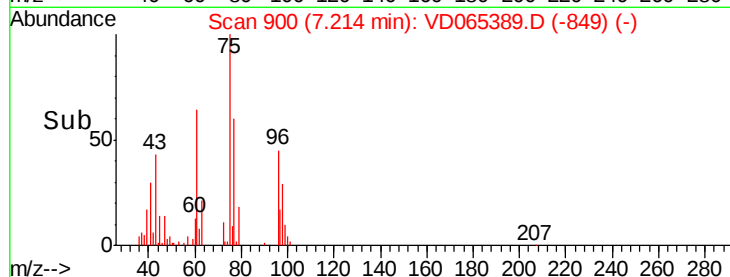
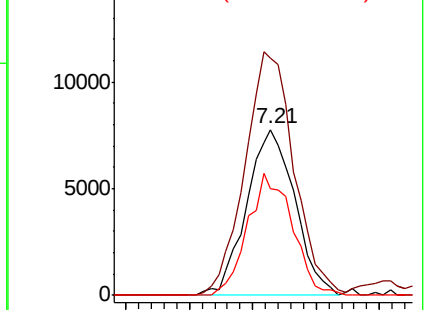
98 68.3 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 4.830 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

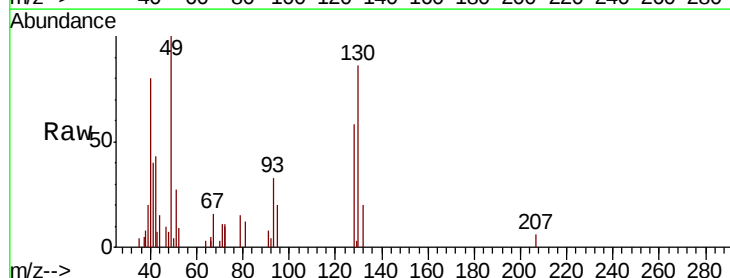
Tgt Ion: 49 Resp: 13706

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.6

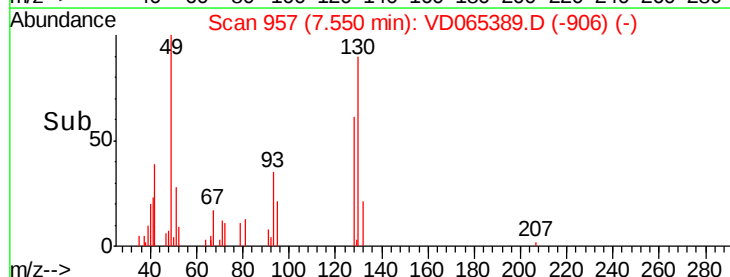
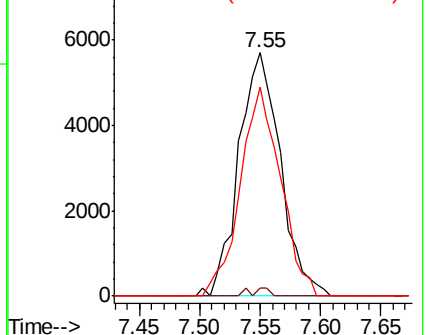
130 82.8 64.7 97.1

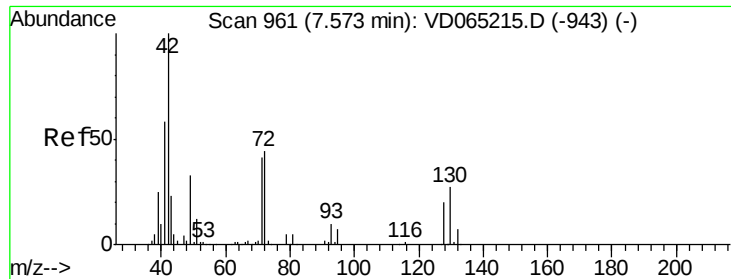


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

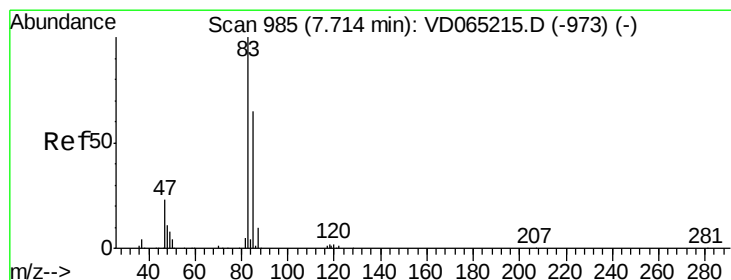
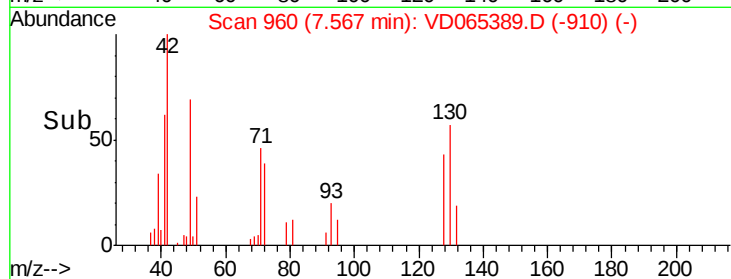
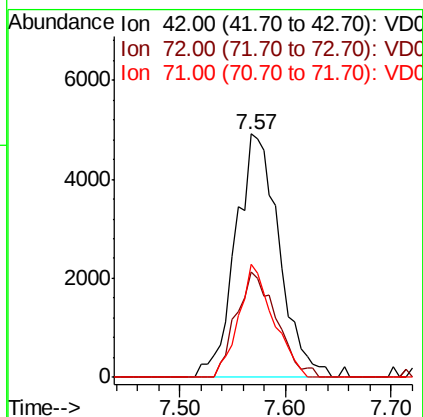
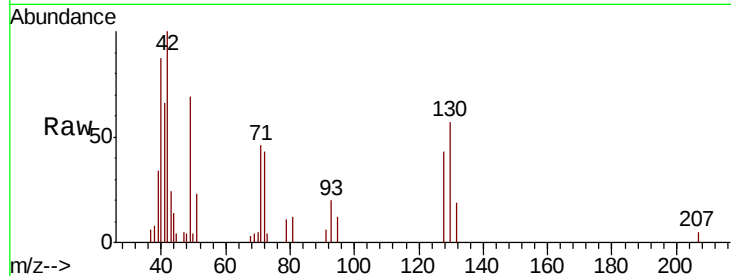




#29
Tetrahydrofuran
Concen: 20.213 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

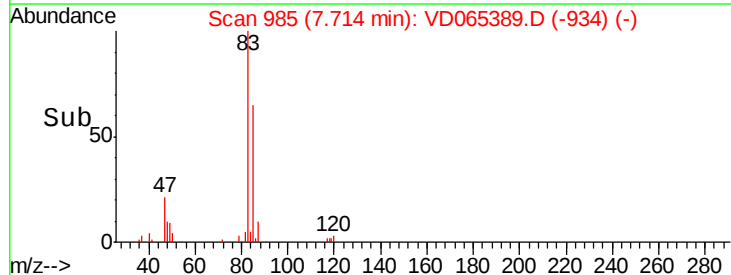
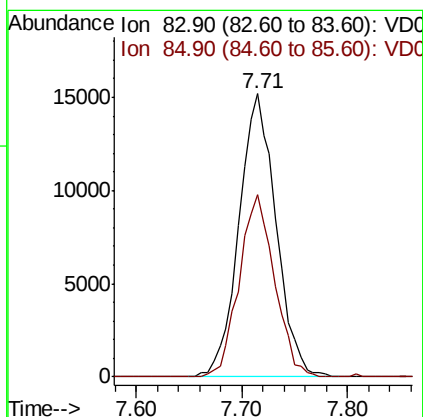
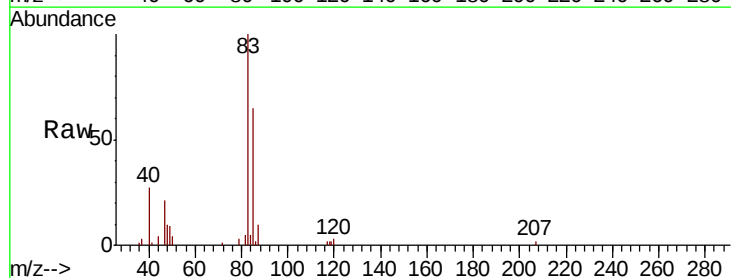
Instrument :
MSVOA_D
ClientSampleId :

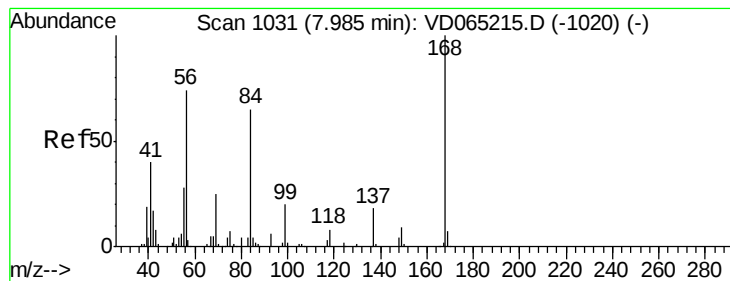
Tot Ion: 42 Resp: 13999
Ion Ratio Lower Upper
42 100
72 40.2 33.7 50.5
71 36.8 31.4 47.2



#30
Chloroform
Concen: 4.800 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 83 Resp: 36985
Ion Ratio Lower Upper
83 100
85 64.5 52.3 78.5





#31

Cyclohexane

Concen: 4.896 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

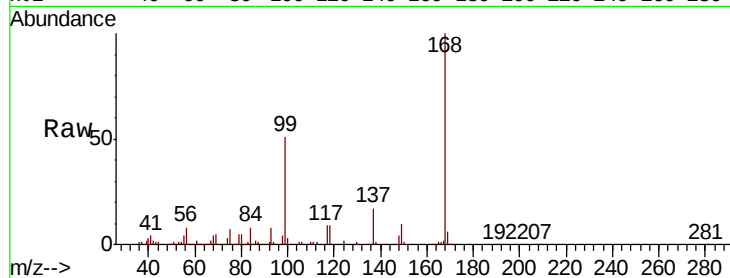
Tot Ion: 56 Resp: 36794

Ion Ratio Lower Upper

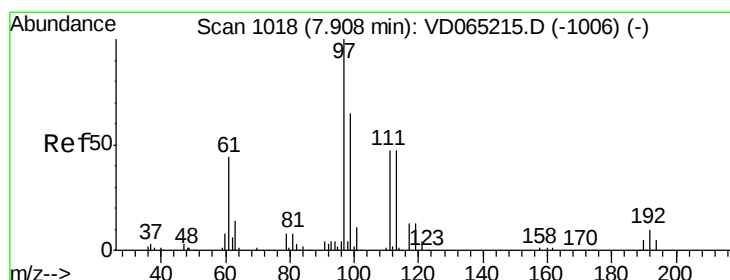
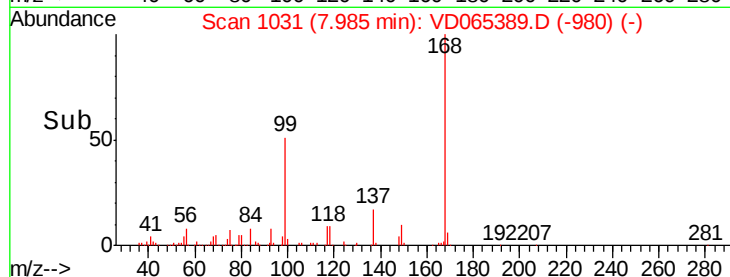
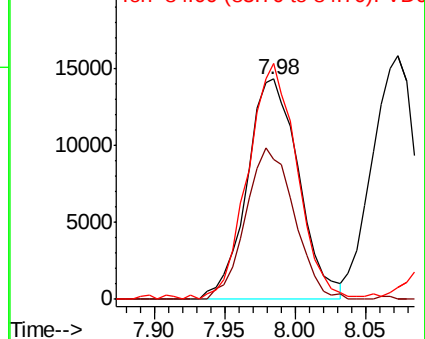
56 100

69 63.7 27.4 41.0#

84 105.6 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: 4.723 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

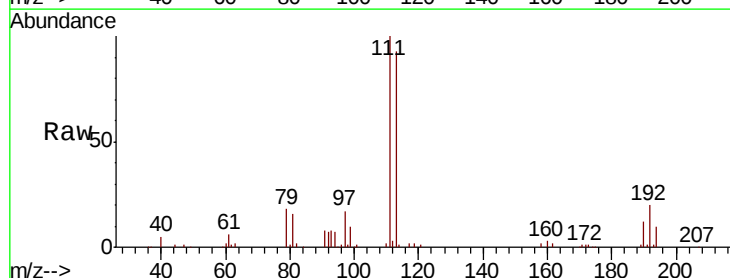
Tgt Ion: 97 Resp: 32562

Ion Ratio Lower Upper

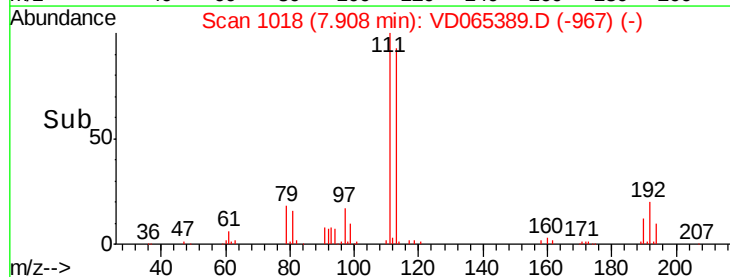
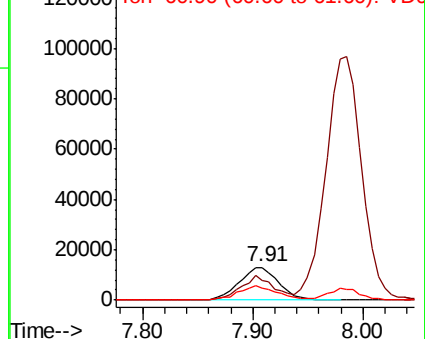
97 100

99 63.4 51.4 77.2

61 43.8 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

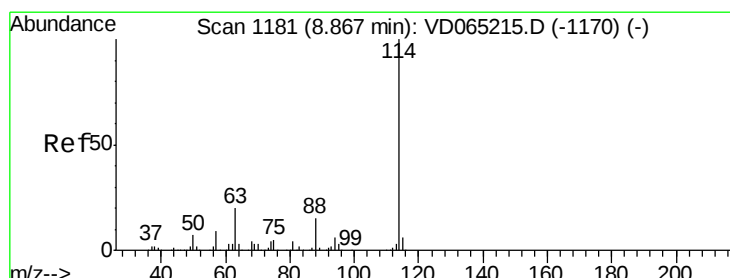
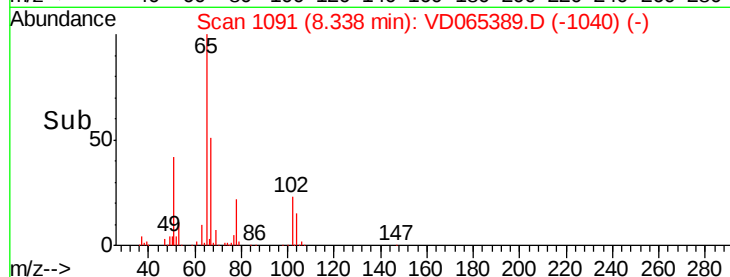
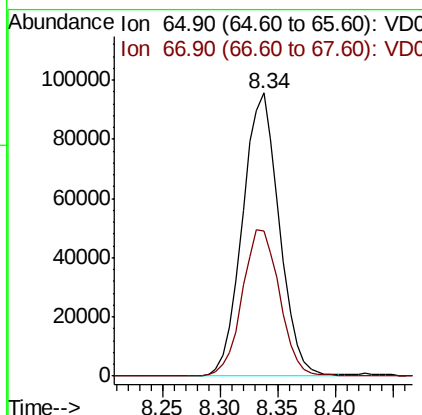
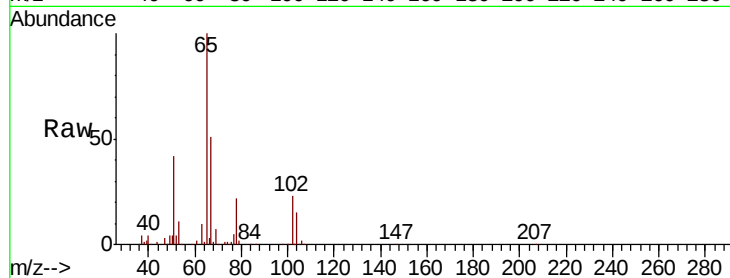




#33
 1,2-Dichloroethane-d4
 Concen: 55.459 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

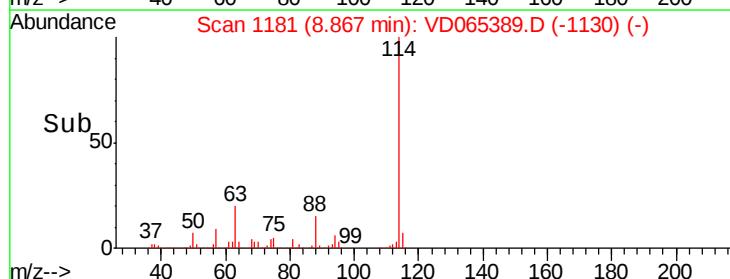
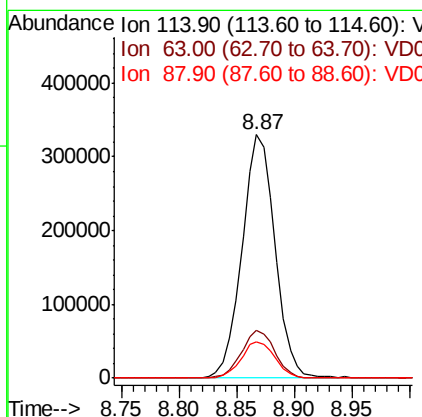
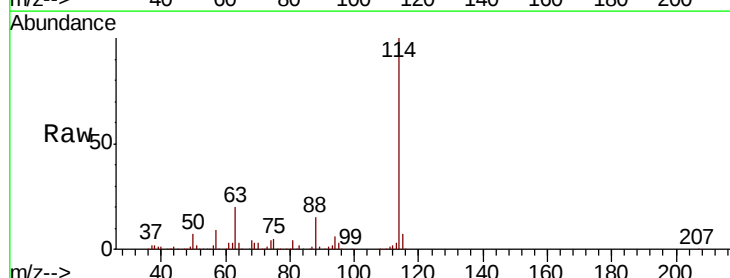
Instrument :
 MSVOA_D
 ClientSampled :

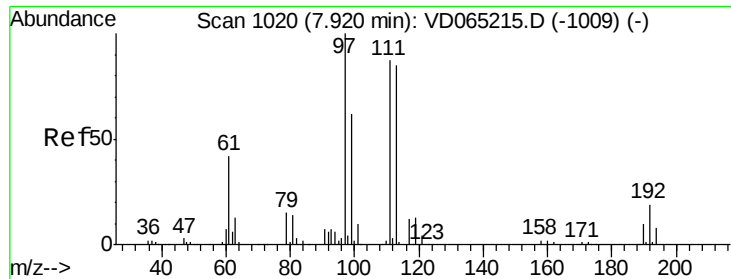
Tot Ion: 65 Resp: 211953
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 114 Resp: 655240
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.4
 88 15.1 0.0 30.4

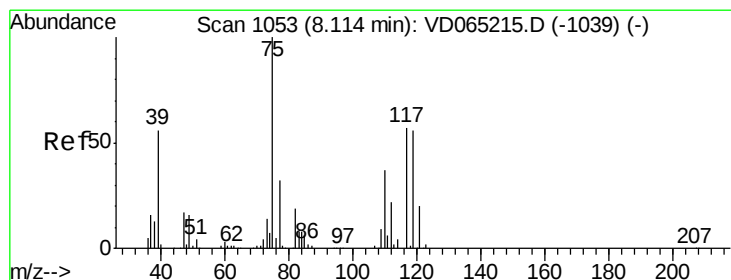
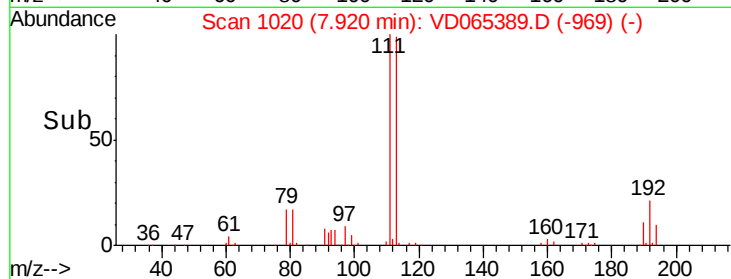
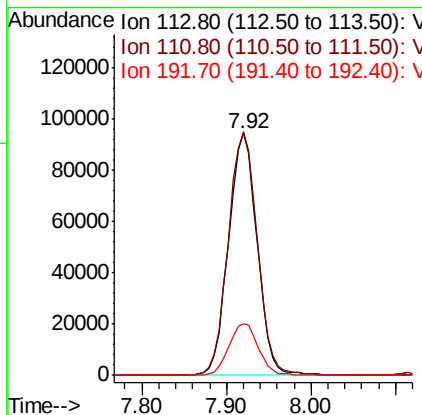
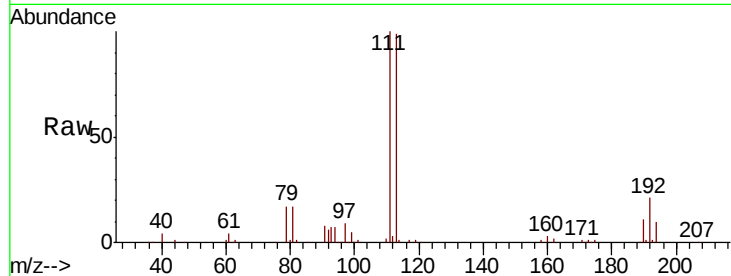




#35
 Dibromofluoromethane
 Concen: 55.082 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

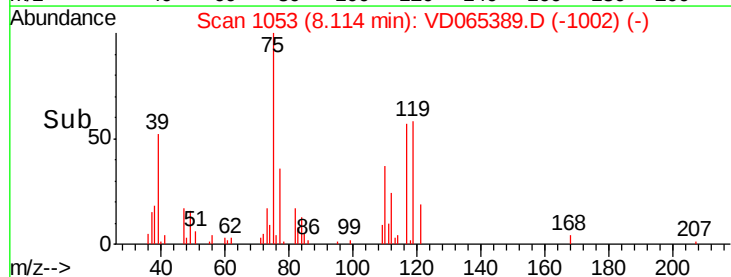
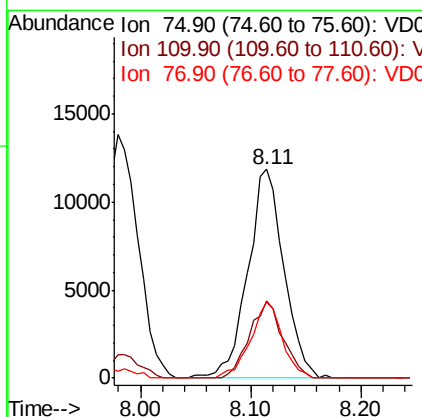
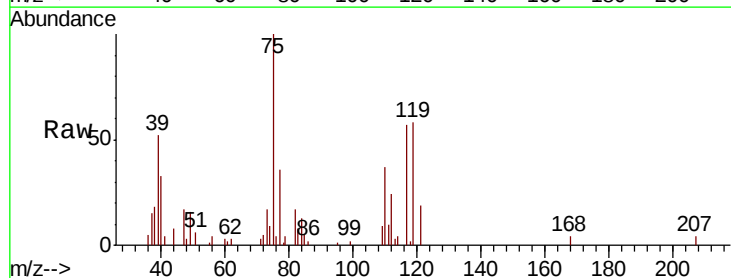
Instrument :
 MSVOA_D
 ClientSampleId :

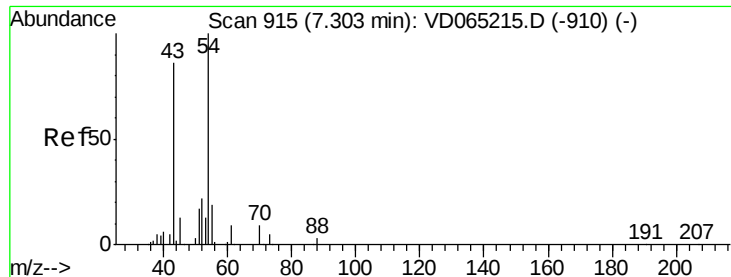
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	21.8	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.257 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.9	53.7
77	32.0	25.1	37.7

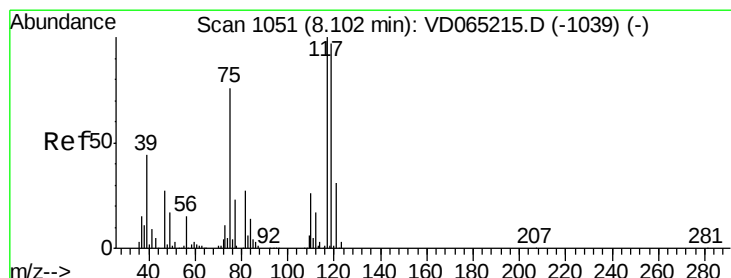
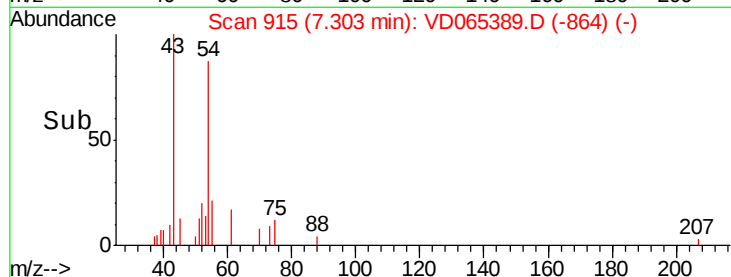
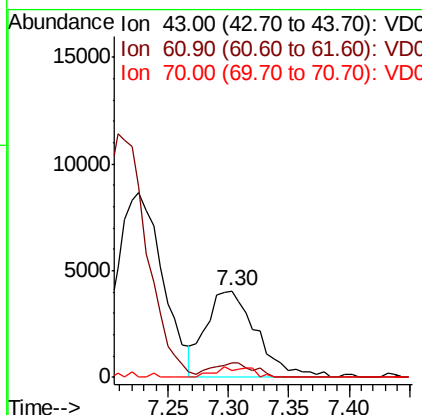
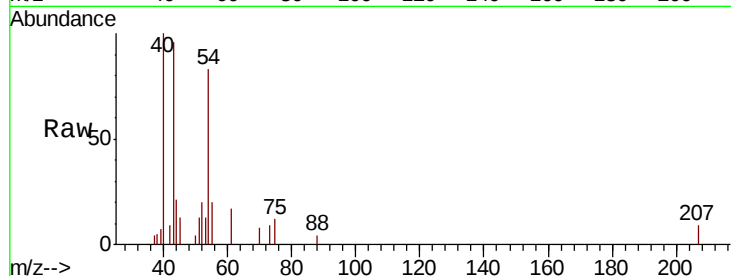




#37
Ethyl Acetate
Concen: 4.449 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

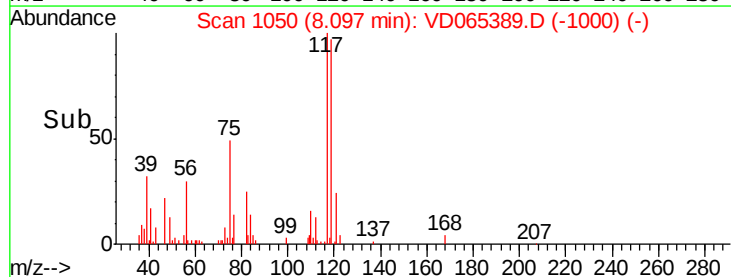
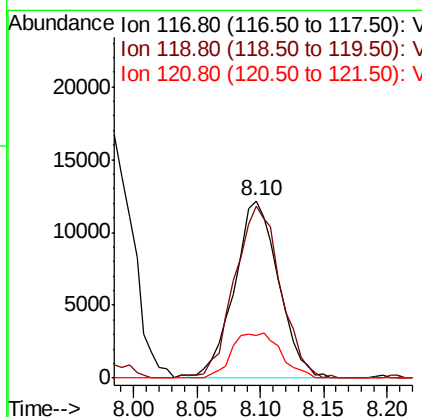
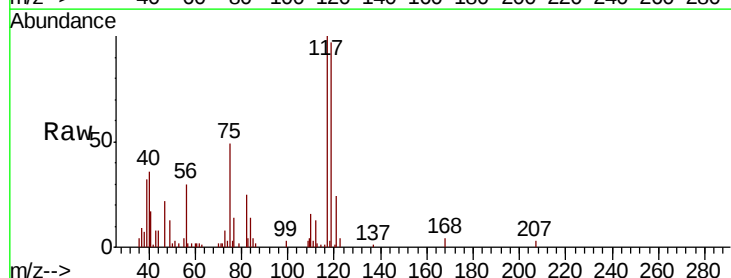
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 11857
Ion Ratio Lower Upper
43 100
61 13.7 11.2 16.8
70 8.5 8.2 12.2



#38
Carbon Tetrachloride
Concen: 4.539 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 117 Resp: 29457
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4
121 24.1 24.8 37.2#

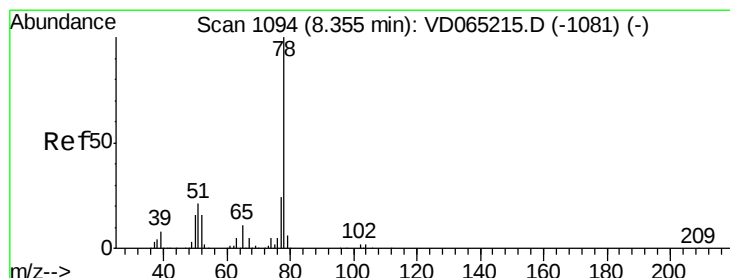
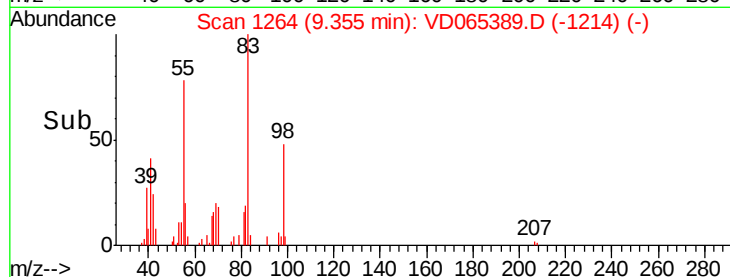
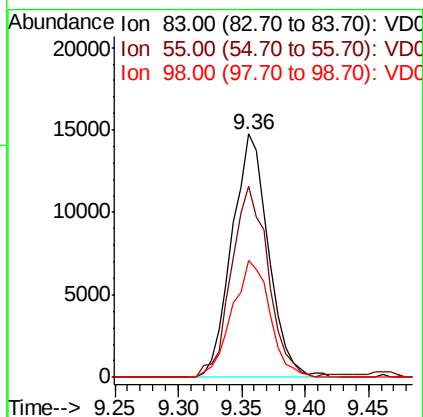
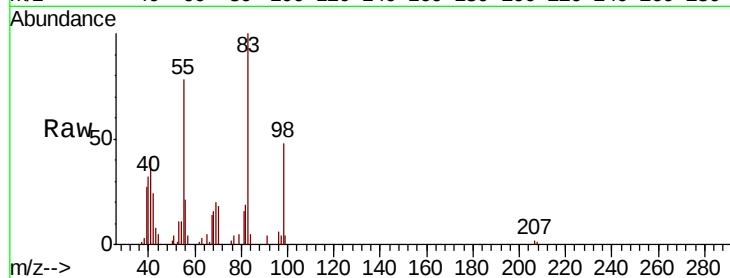




#39
Methvlcvclohexane
Concen: 3.944 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

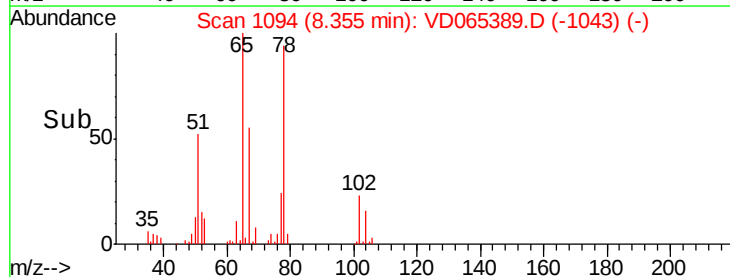
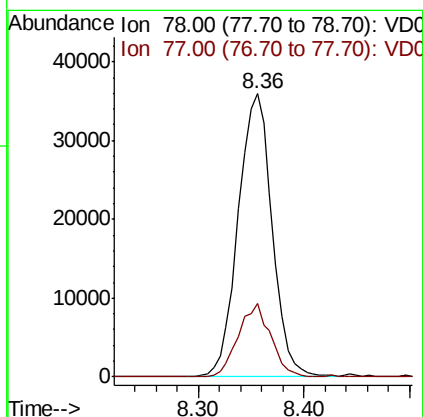
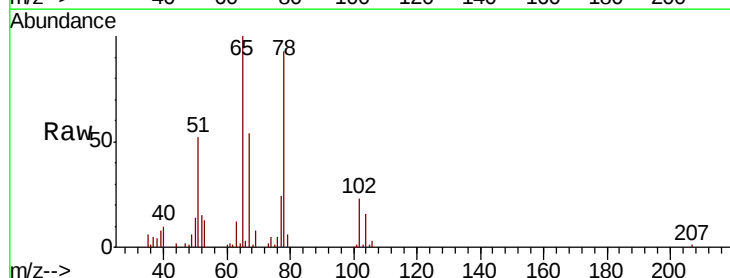
Instrument :
MSVOA_D
ClientSampleId :

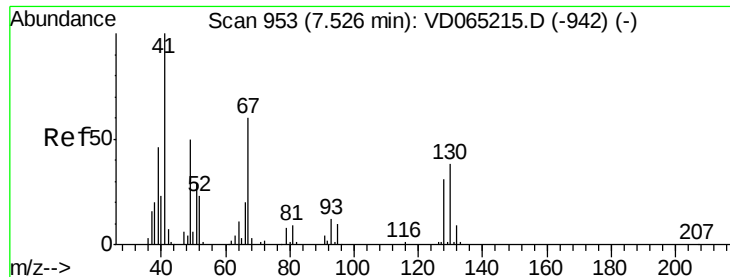
Tot Ion: 83 Resp: 29562
Ion Ratio Lower Upper
83 100
55 78.5 61.8 92.6
98 47.9 39.4 59.0



#40
Benzene
Concen: 4.455 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 78 Resp: 80176
Ion Ratio Lower Upper
78 100
77 25.7 19.0 28.6

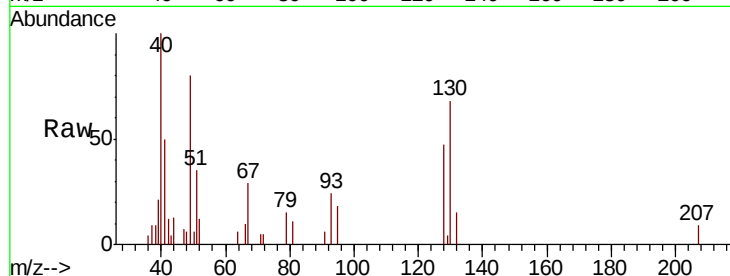




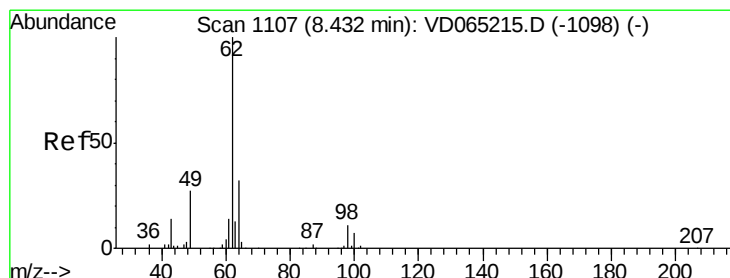
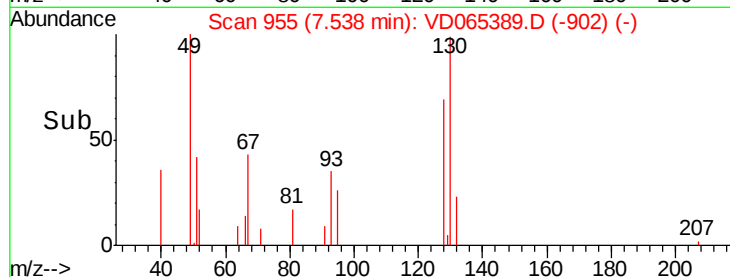
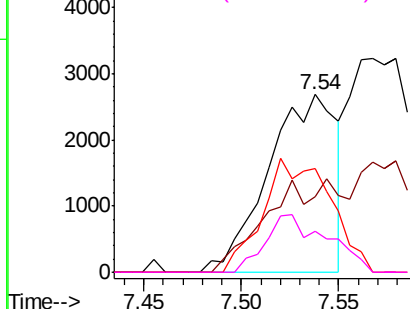
#41
Methacrylonitrile
Concen: 4.256 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 6550
Ion Ratio Lower Upper
41 100
39 32.8 48.1 72.1#
67 62.7 58.9 88.3
52 29.1 24.2 36.2

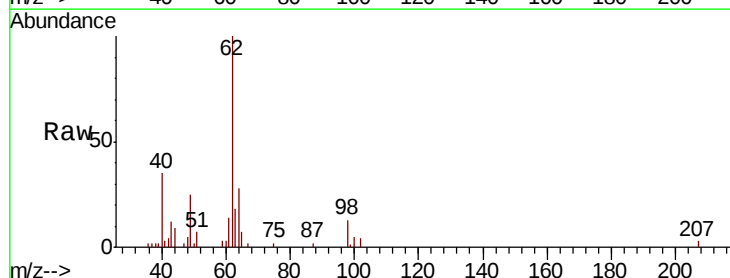


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

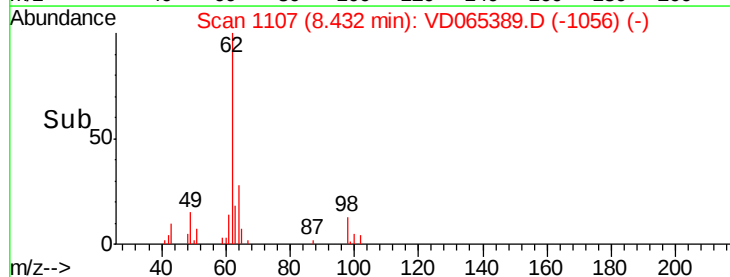
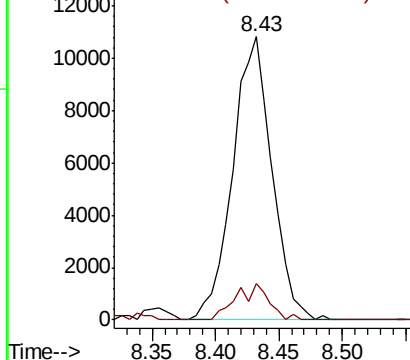


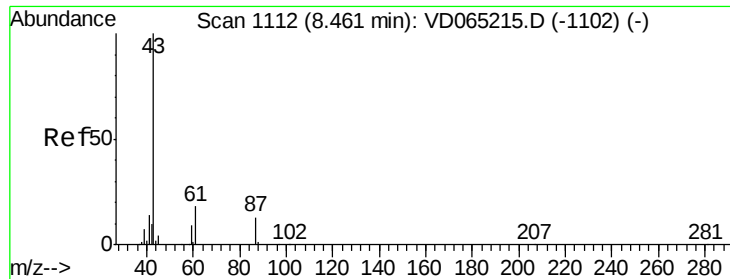
#42
1,2-Dichloroethane
Concen: 4.682 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 62 Resp: 23162
Ion Ratio Lower Upper
62 100
98 10.9 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: 4.265 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

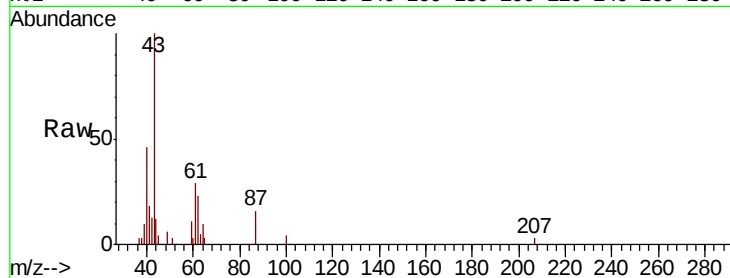
Tot Ion: 43 Resp: 20670

Ion Ratio Lower Upper

43 100

61 33.1 24.6 36.8

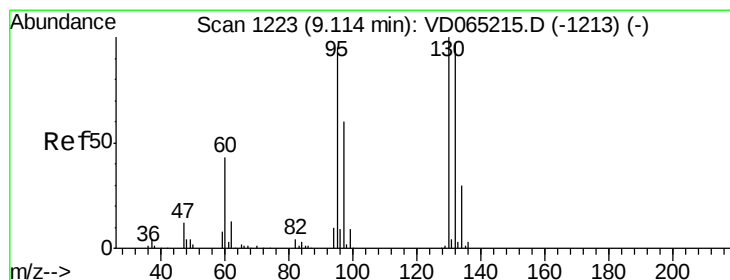
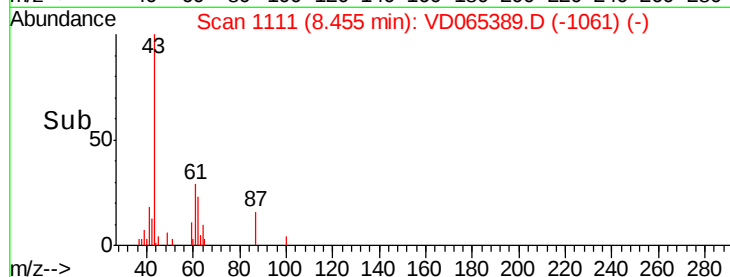
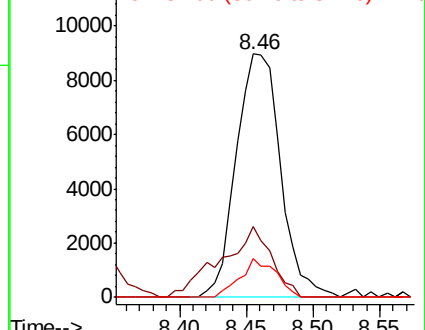
87 12.8 10.6 16.0



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: 4.749 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065389.D

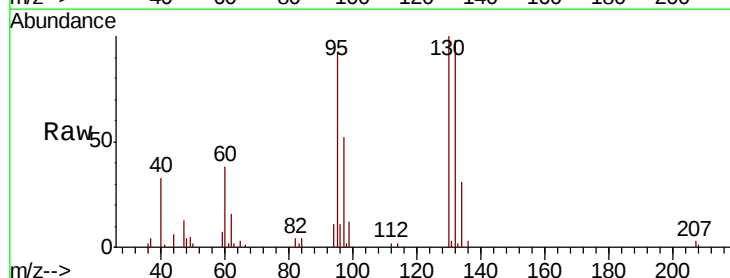
Acq: 03 Mar 2020 12:43

Tgt Ion:130 Resp: 23689

Ion Ratio Lower Upper

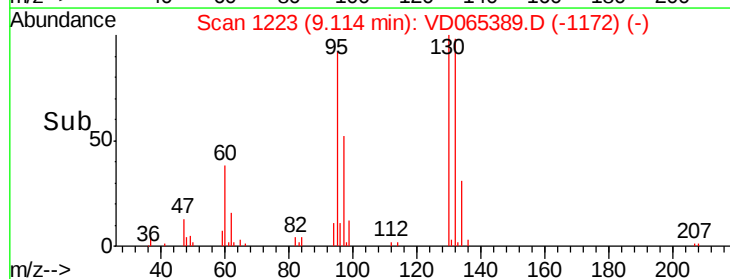
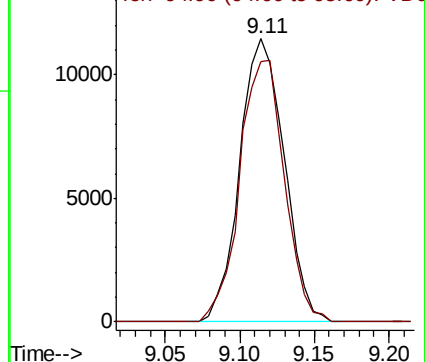
130 100

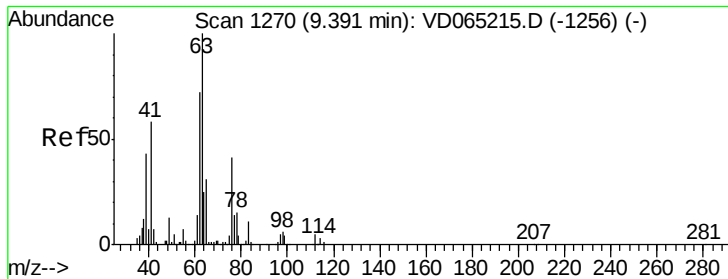
95 92.0 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

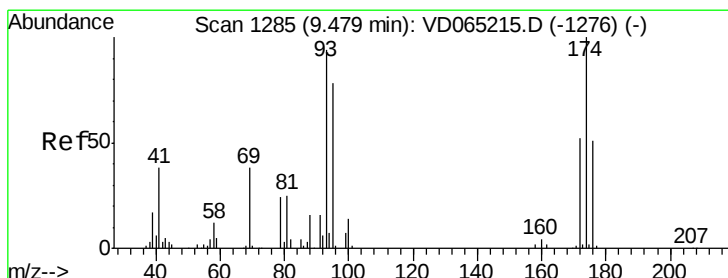
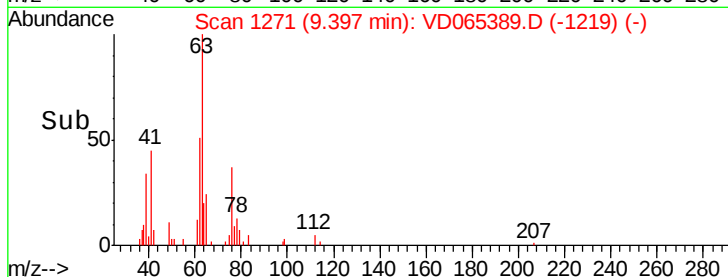
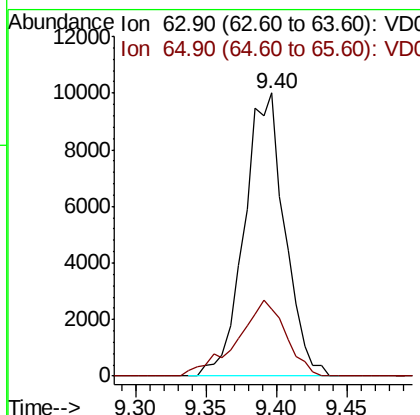
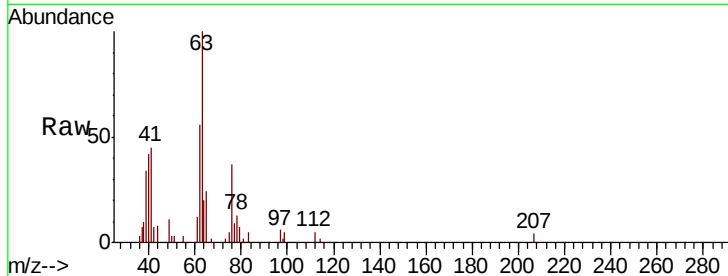




#45
 1,2-Dichloropropane
 Concen: 4.492 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

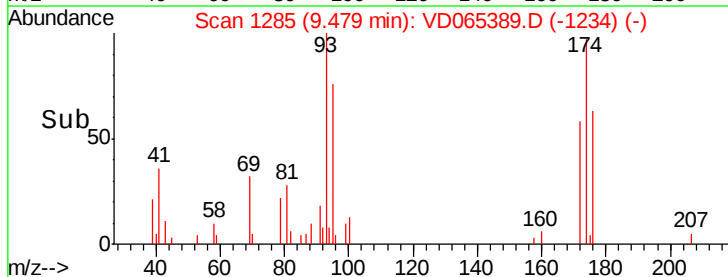
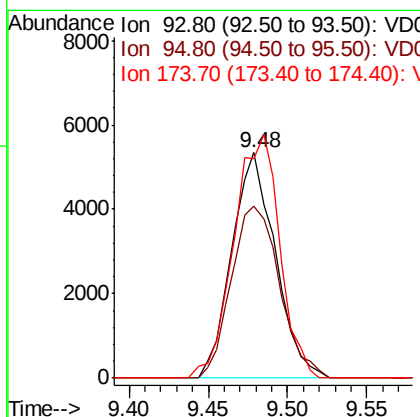
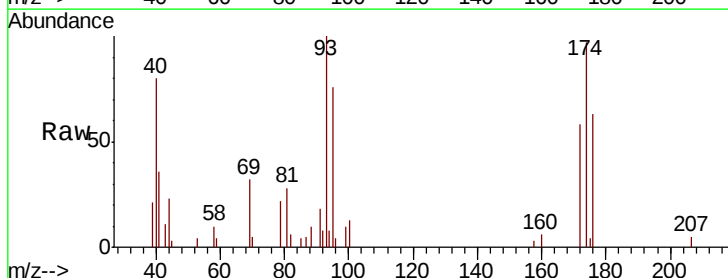
Instrument :
 MSVOA_D
 ClientSampled :

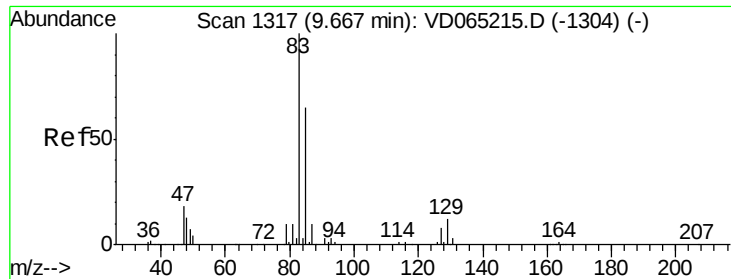
Tot Ion: 63 Resp: 20099
 Ion Ratio Lower Upper
 63 100
 65 23.5 24.9 37.3#



#46
 Dibromomethane
 Concen: 4.421 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 93 Resp: 10179
 Ion Ratio Lower Upper
 93 100
 95 84.8 65.8 98.6
 174 113.8 86.8 130.2

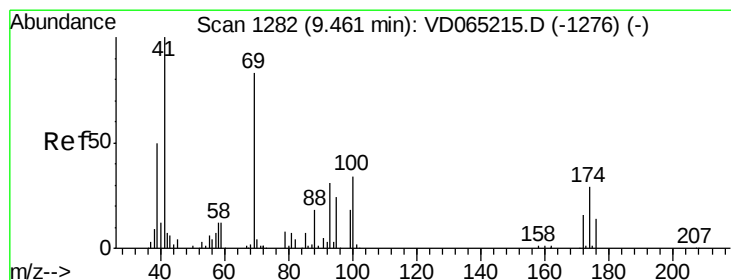
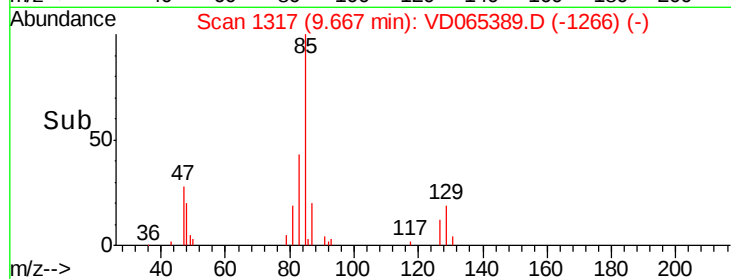
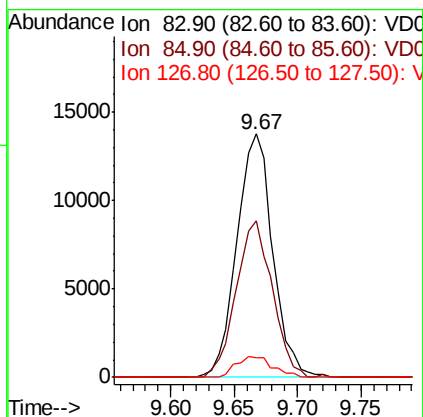
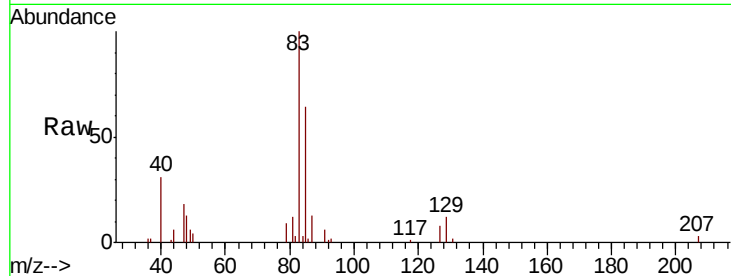




#47
Bromodichloromethane
Concen: 4.463 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

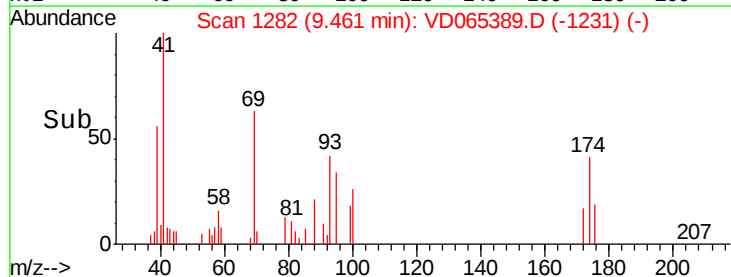
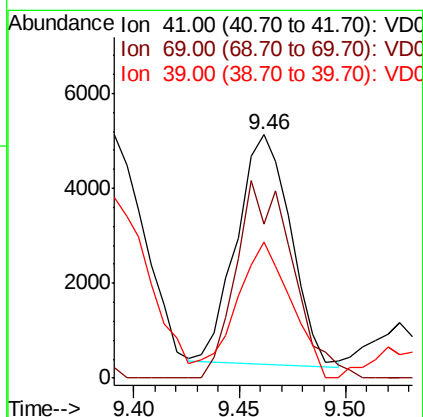
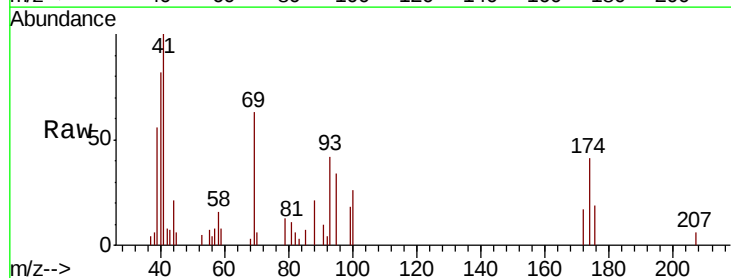
Instrument :
MSVOA_D
ClientSampleId :

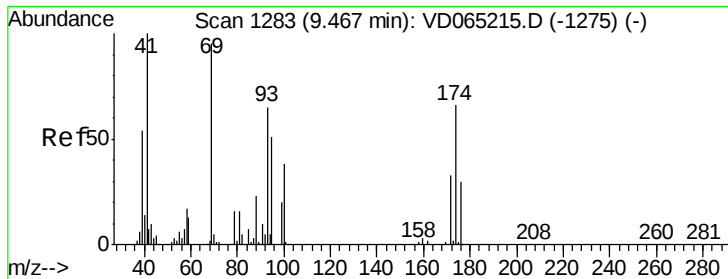
Tot Ion: 83 Resp: 27079
Ion Ratio Lower Upper
83 100
85 64.2 52.0 78.0
127 7.8 6.7 10.1



#48
Methyl methacrylate
Concen: 3.844 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 41 Resp: 8611
Ion Ratio Lower Upper
41 100
69 89.5 68.2 102.2
39 59.0 42.0 63.0





#49

1,4-Dioxane

Concen: 89.212 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

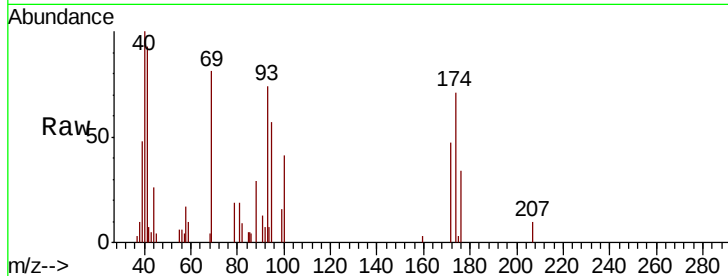
Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

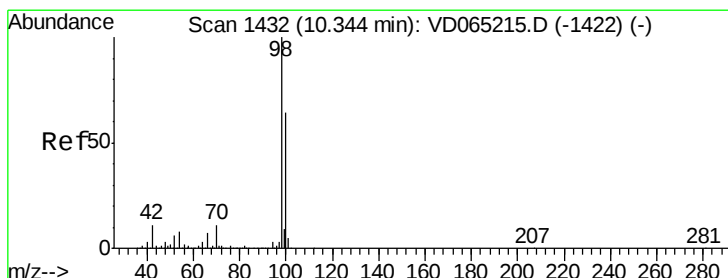
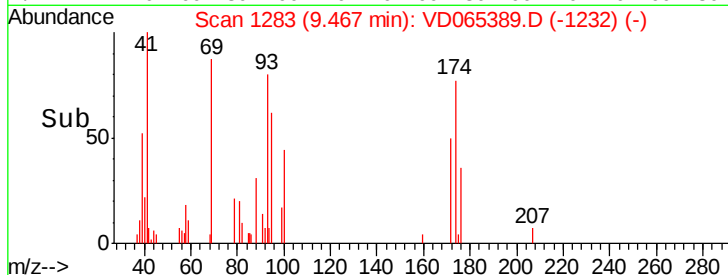
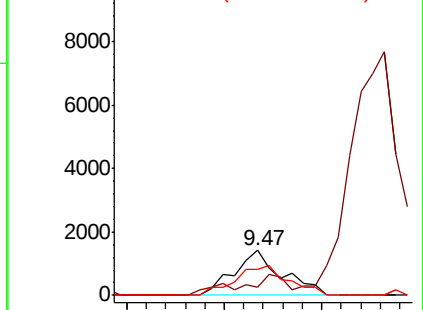
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 2409

Ion	Ratio	Lower	Upper
88	100		
43	22.4	28.5	42.7#
58	73.1	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: 53.093 ug/l

RT: 10.34 min Scan# 1432

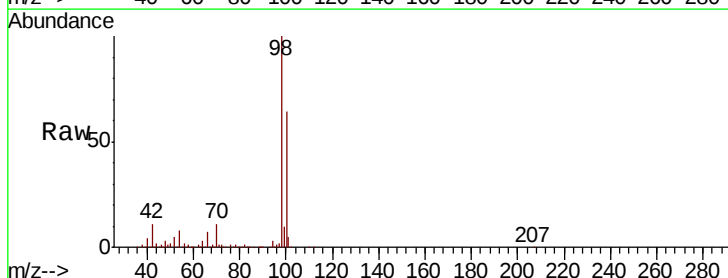
Delta R.T. 0.00 min

Lab File: VD065389.D

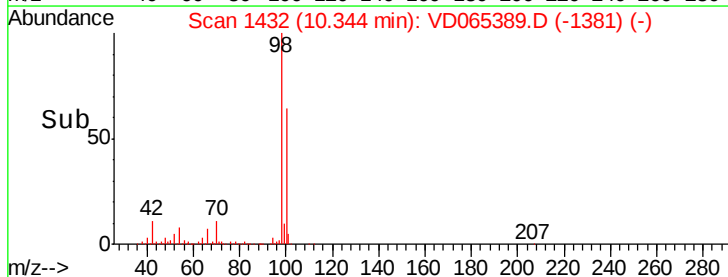
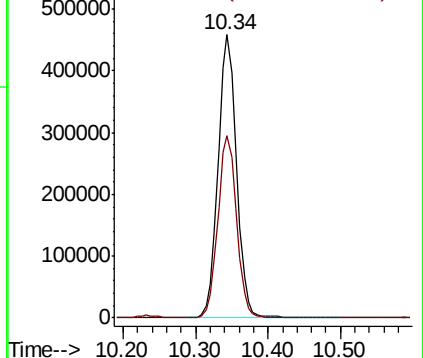
Acq: 03 Mar 2020 12:43

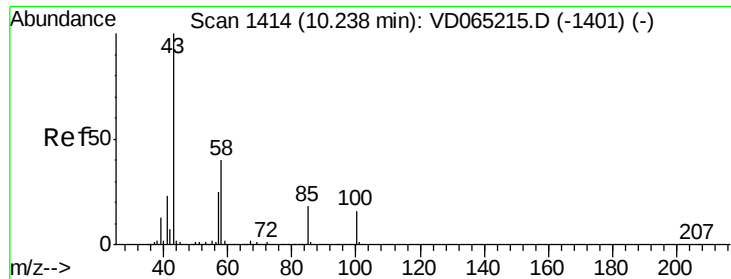
Tgt Ion: 98 Resp: 810925

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

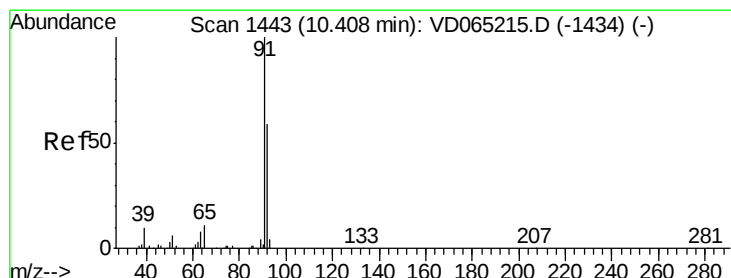
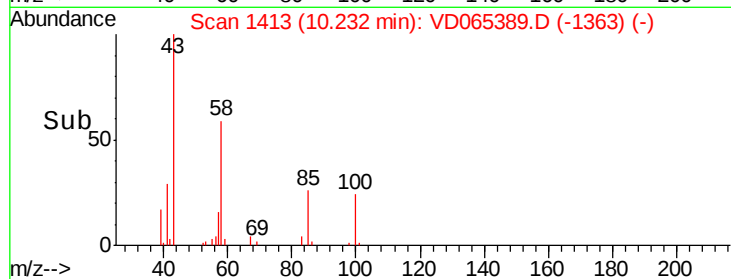
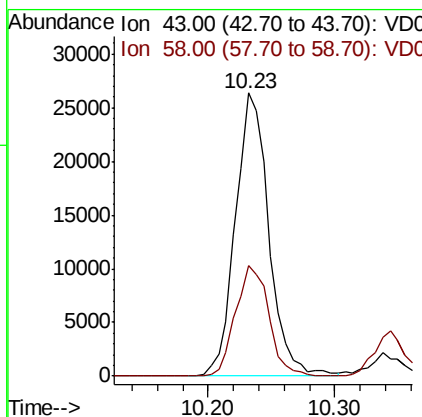
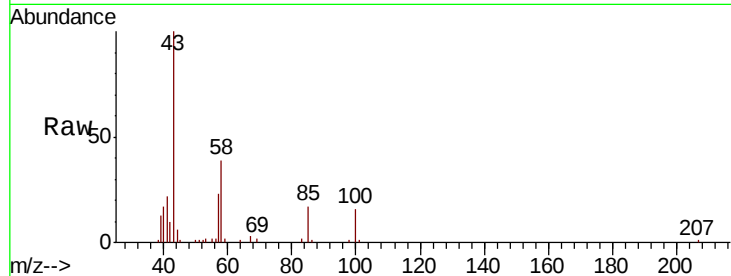




#51
4-Methyl-2-Pentanone
Concen: 19.555 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

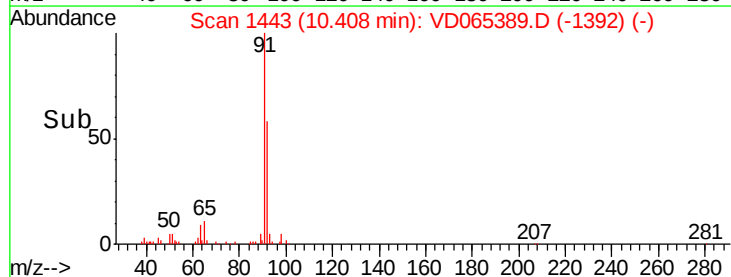
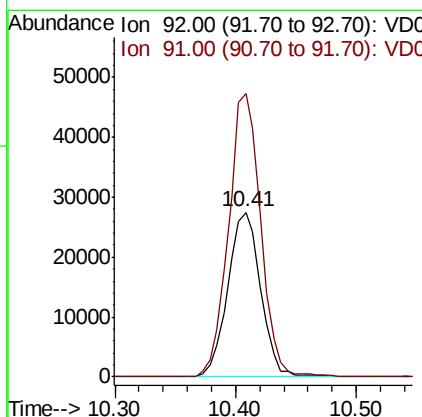
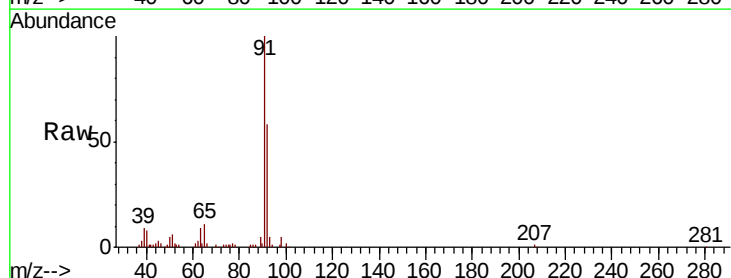
Instrument :
MSVOA_D
ClientSampled :

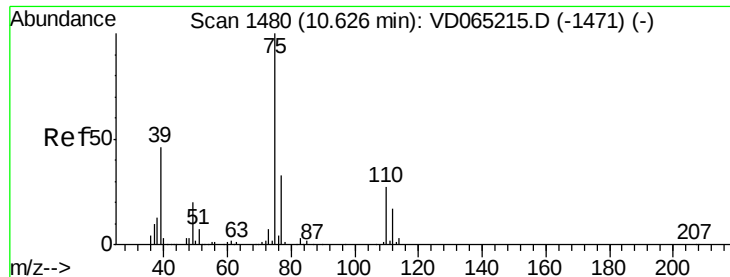
Tot Ion: 43 Resp: 48139
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7



#52
Toluene
Concen: 4.664 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 92 Resp: 51947
Ion Ratio Lower Upper
92 100
91 168.7 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 4.217 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

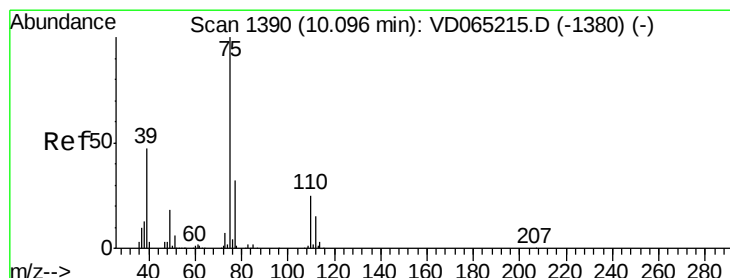
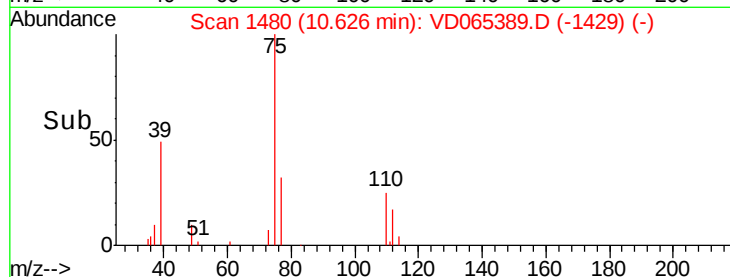
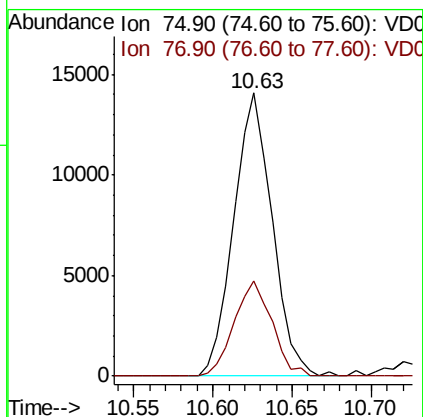
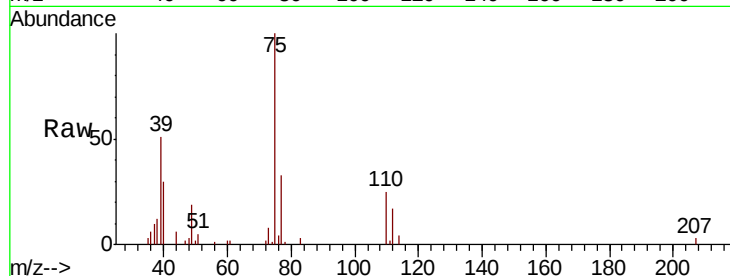
ClientSampleId :

Tot Ion: 75 Resp: 23715

Ion Ratio Lower Upper

75 100

77 33.4 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 4.115 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

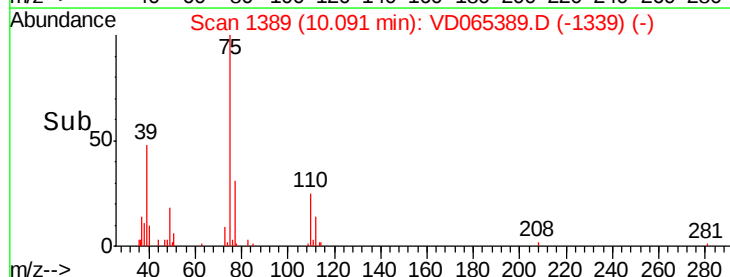
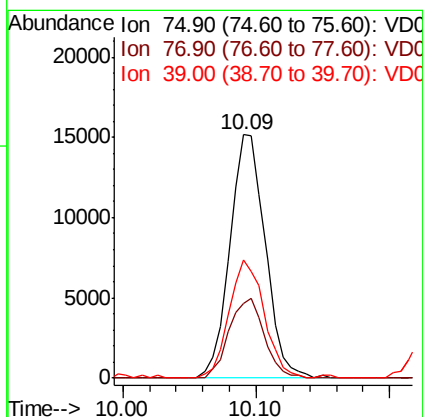
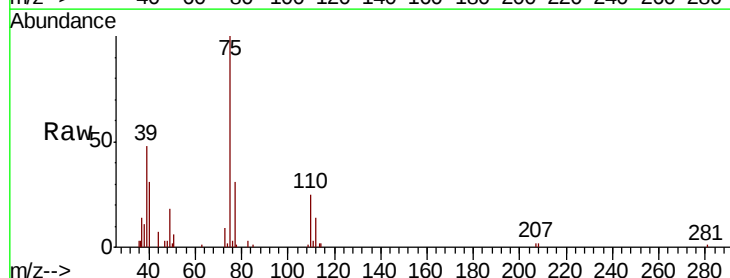
Tgt Ion: 75 Resp: 27946

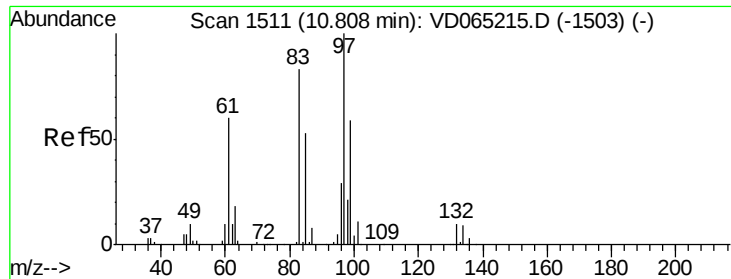
Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.8

39 48.3 37.3 55.9

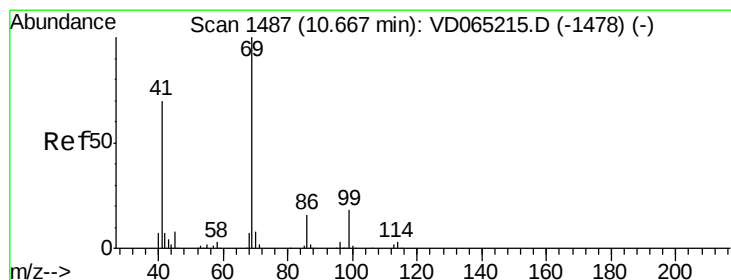
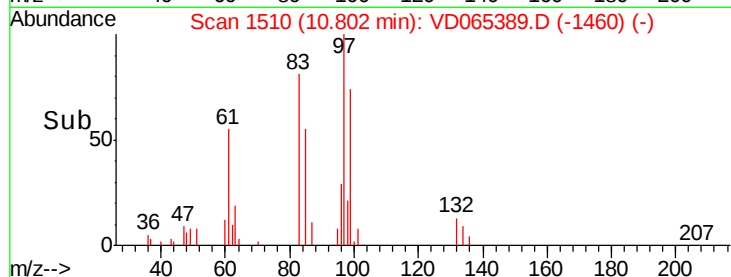
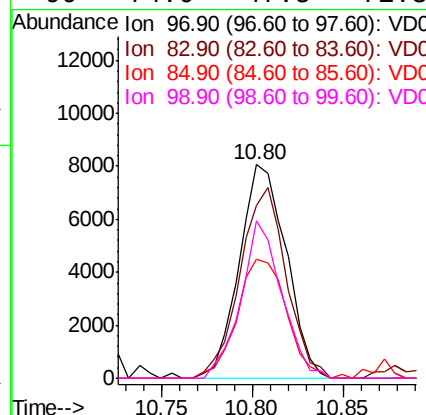
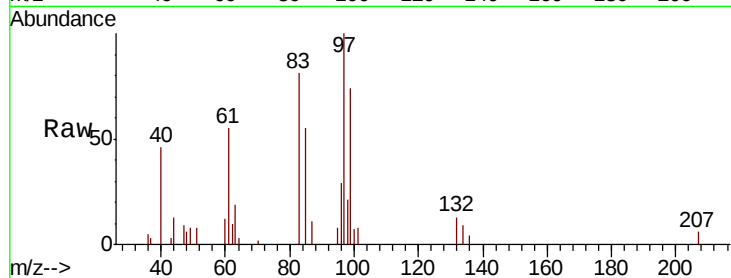




#55
 1,1,2-Trichloroethane
 Concen: 4.475 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

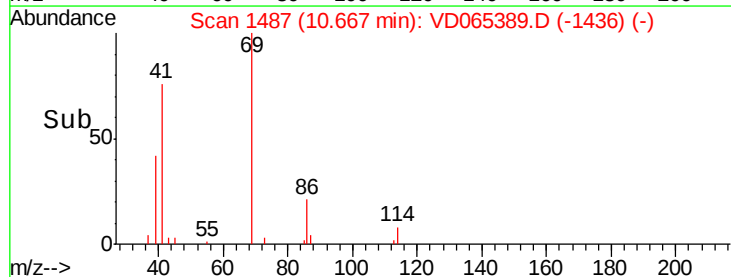
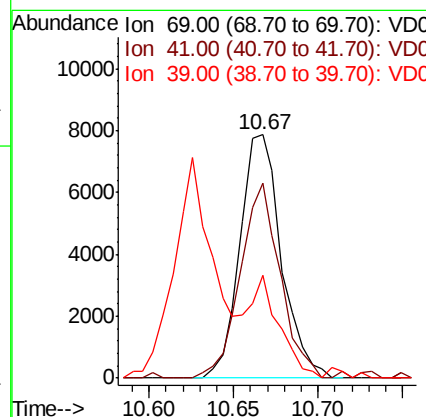
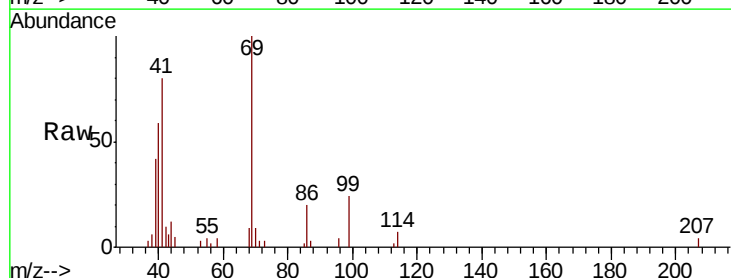
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 14500
 Ion Ratio Lower Upper
 97 100
 83 80.7 66.7 100.1
 85 55.5 42.4 63.6
 99 74.0 47.5 71.3#



#56
 Ethyl methacrylate
 Concen: 3.584 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 69 Resp: 13405
 Ion Ratio Lower Upper
 69 100
 41 77.0 54.6 81.8
 39 28.3 26.5 39.7





#57

1,3-Dichloropropane

Concen: 4.337 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

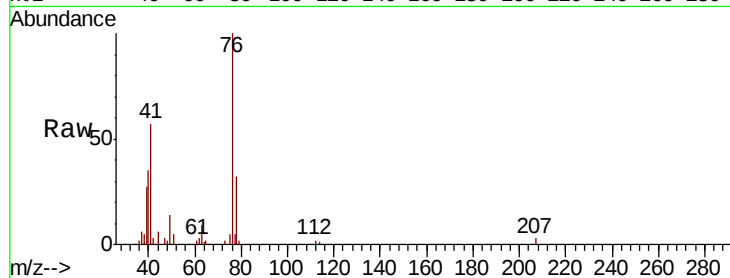
ClientSampleId :

Tot Ion: 76 Resp: 23921

Ion Ratio Lower Upper

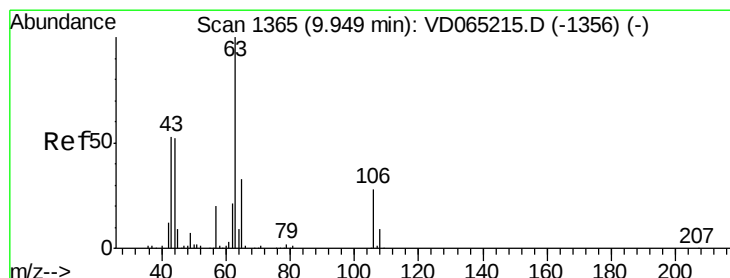
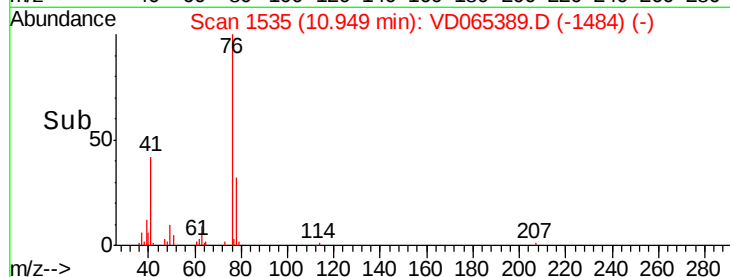
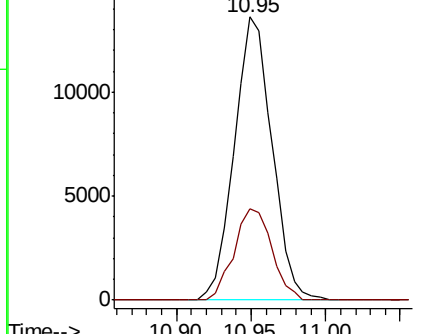
76 100

78 32.3 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: 29.749 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065389.D

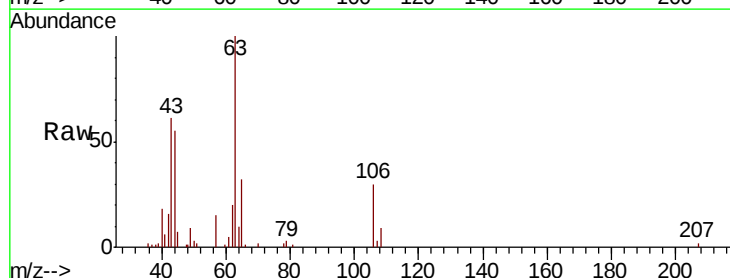
Acq: 03 Mar 2020 12:43

Tgt Ion: 63 Resp: 35081

Ion Ratio Lower Upper

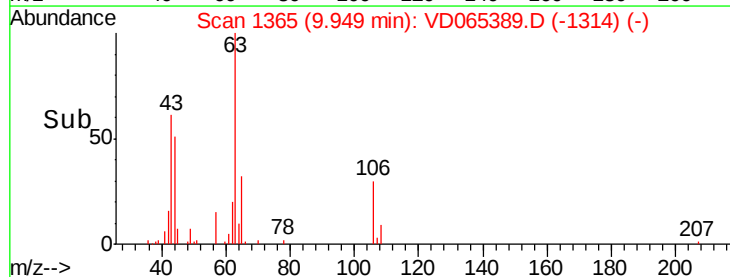
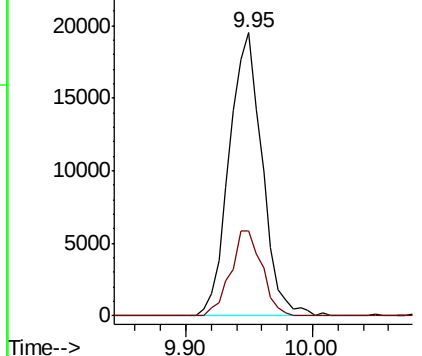
63 100

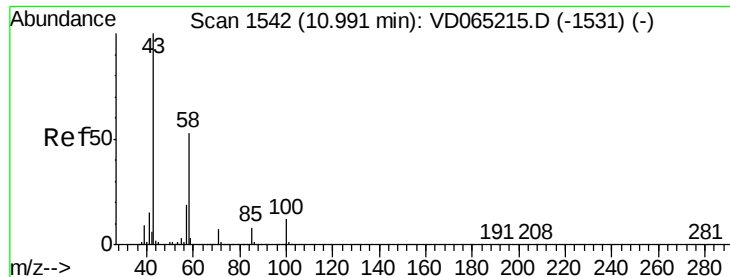
106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

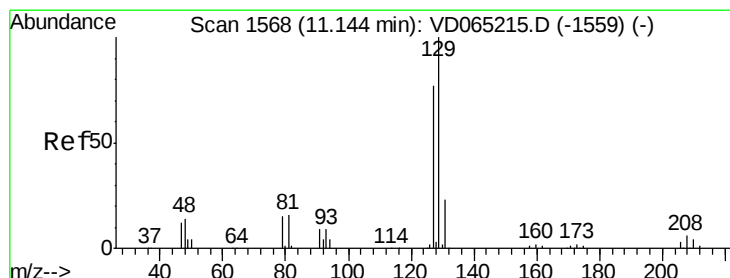
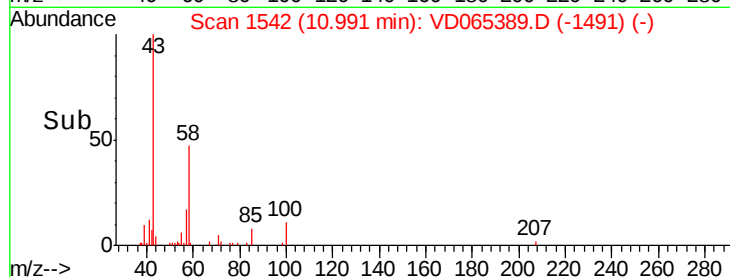
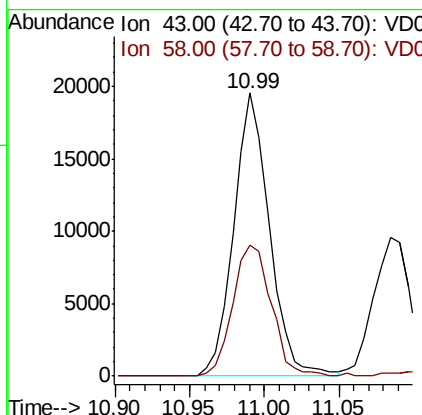
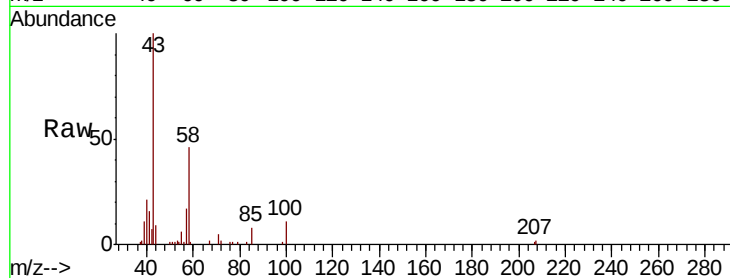




#59
2-Hexanone
Concen: 18.411 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

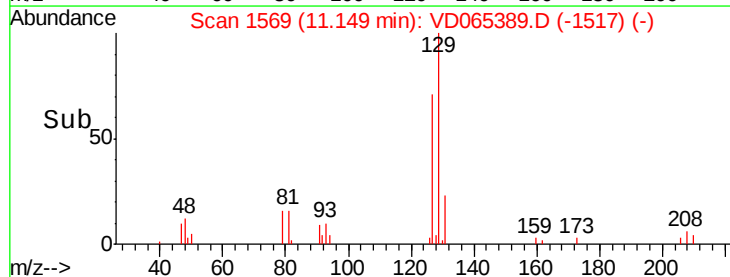
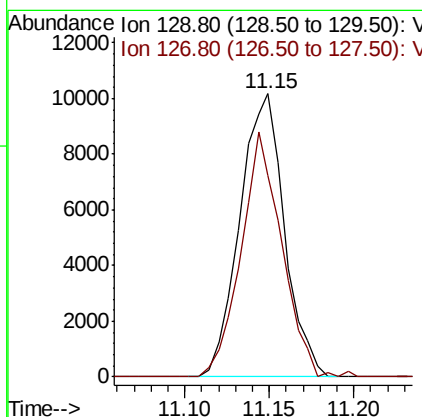
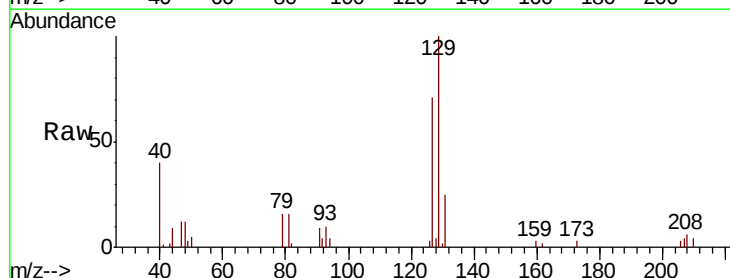
Instrument :
MSVOA_D
ClientSampleId :

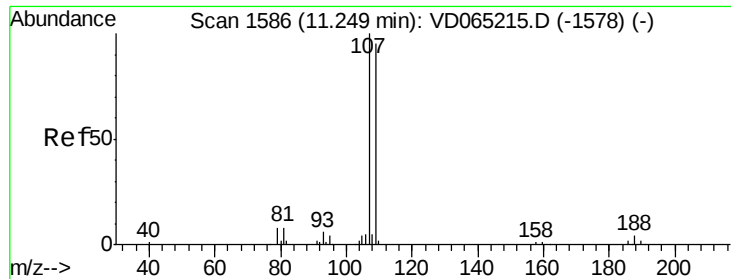
Tot Ion: 43 Resp: 32444
Ion Ratio Lower Upper
43 100
58 50.3 26.3 78.8



#60
Dibromochloromethane
Concen: 4.494 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 129 Resp: 18638
Ion Ratio Lower Upper
129 100
127 78.7 38.7 116.1

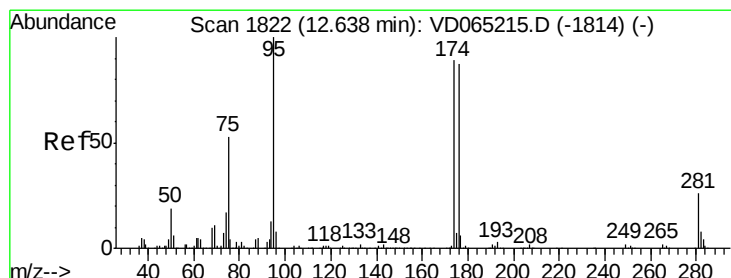
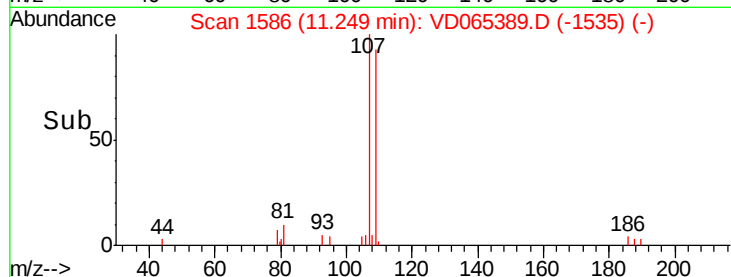
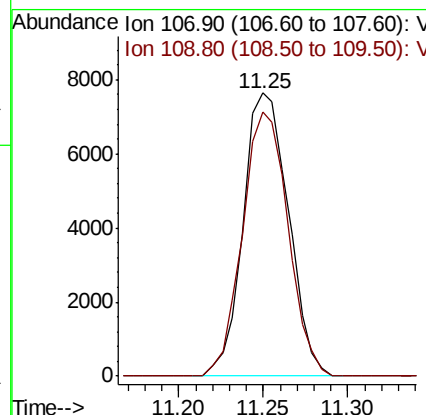
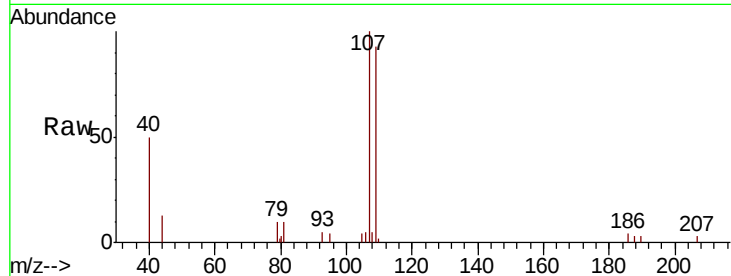




#61
 1,2-Dibromoethane
 Concen: 4.644 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

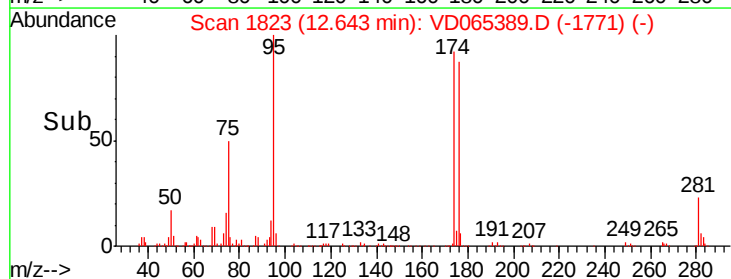
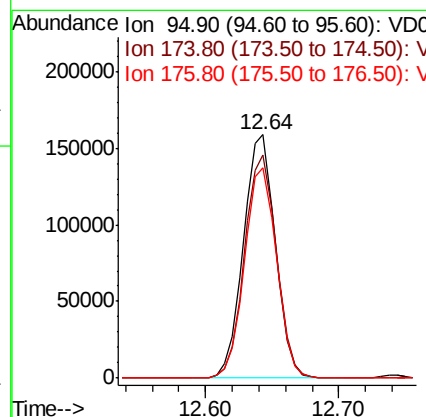
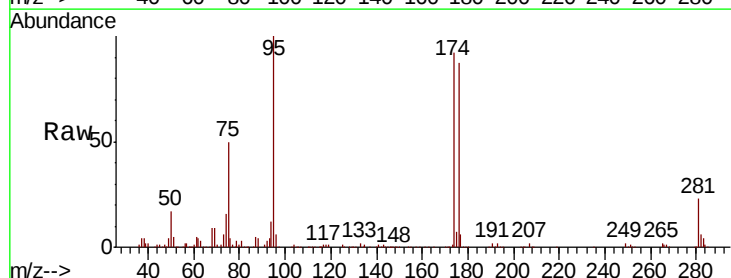
Instrument :
 MSVOA_D
 ClientSampleId :

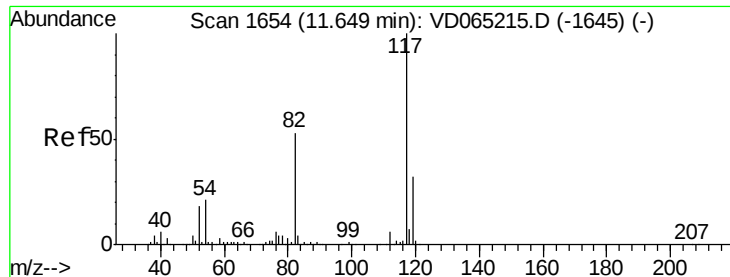
Tot Ion:107 Resp: 14249
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 54.172 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 95 Resp: 262115
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 178.0
 176 86.6 0.0 174.4

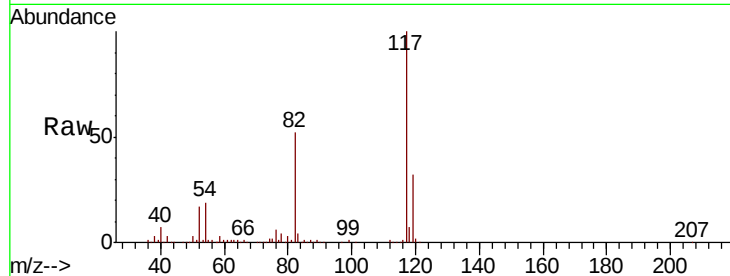




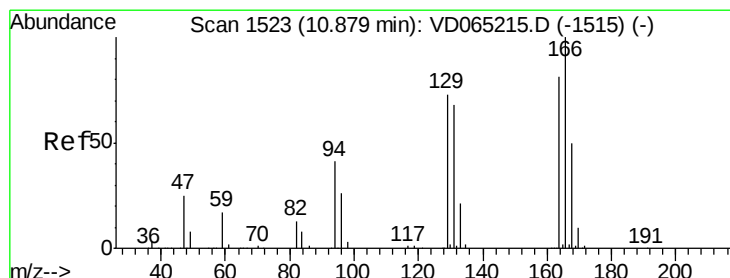
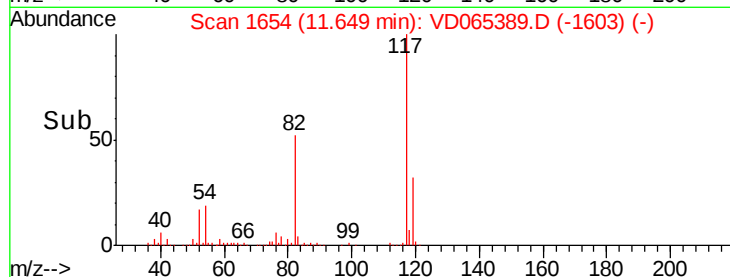
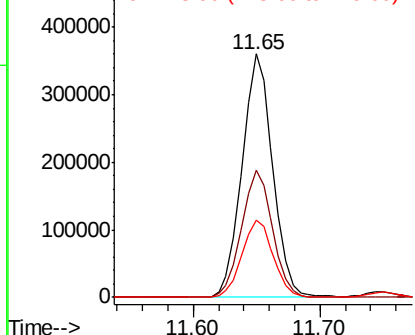
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 603534
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 31.7 25.5 38.3

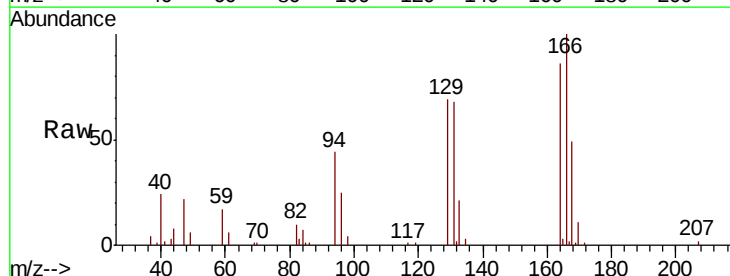


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

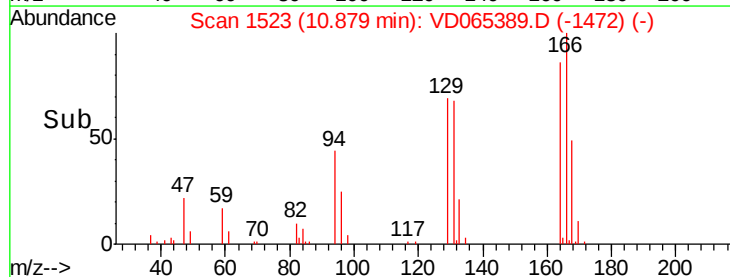
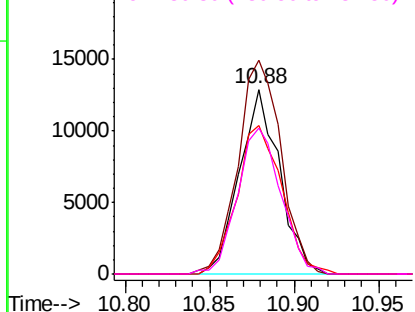


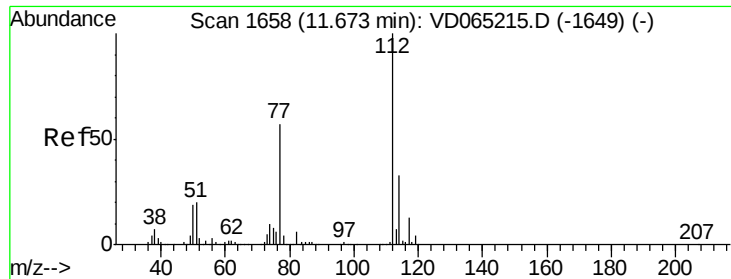
#64
Tetrachloroethene
Concen: 4.970 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:164 Resp: 21274
Ion Ratio Lower Upper
164 100
166 115.9 98.4 147.6
129 80.4 71.6 107.4
131 79.3 67.3 100.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

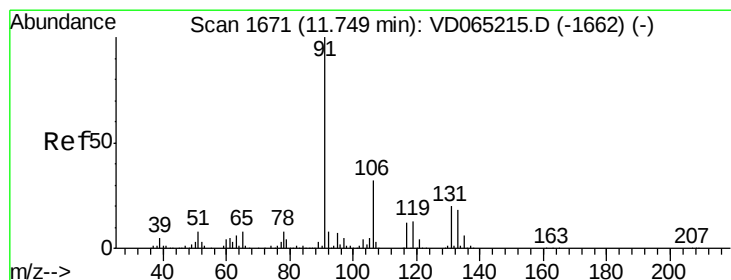
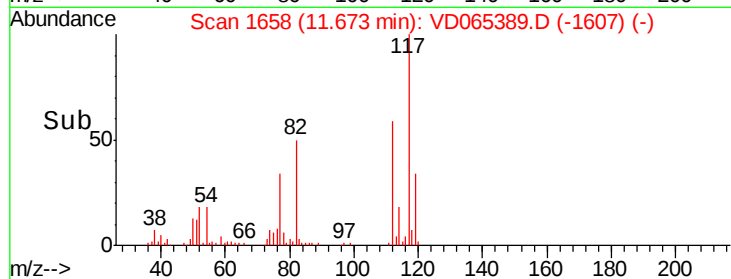
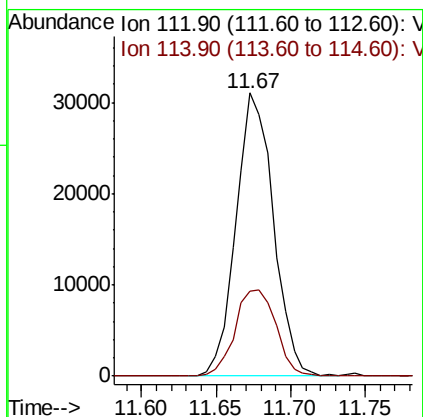
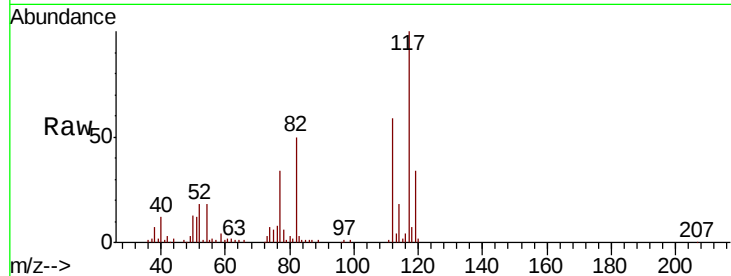




#65
Chlorobenzene
Concen: 4.464 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

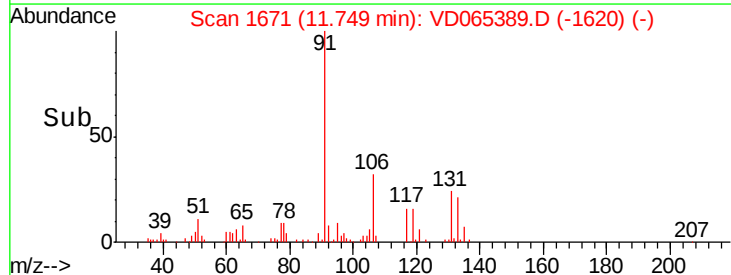
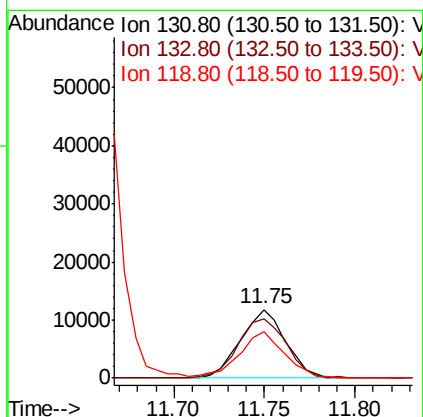
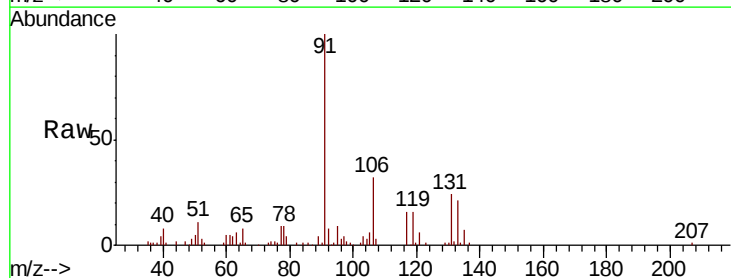
Instrument :
MSVOA_D
ClientSampleId :

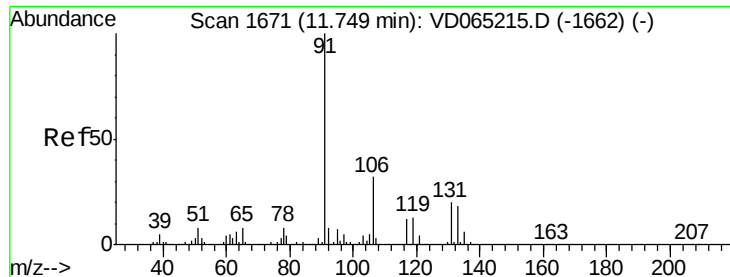
Tot Ion:112 Resp: 54068
Ion Ratio Lower Upper
112 100
114 30.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.468 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:131 Resp: 20194
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 68.7 32.7 98.1

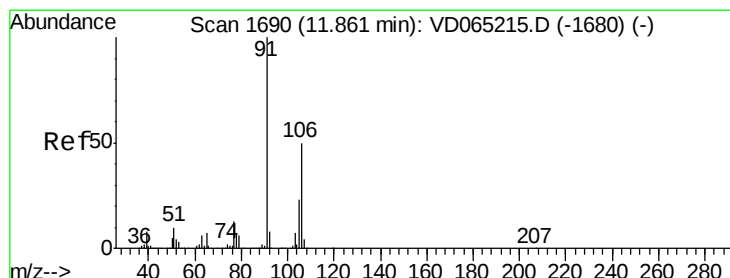
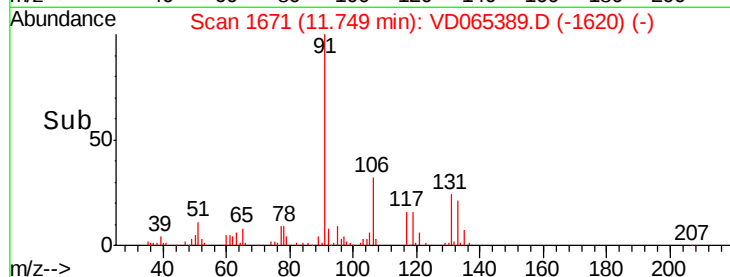
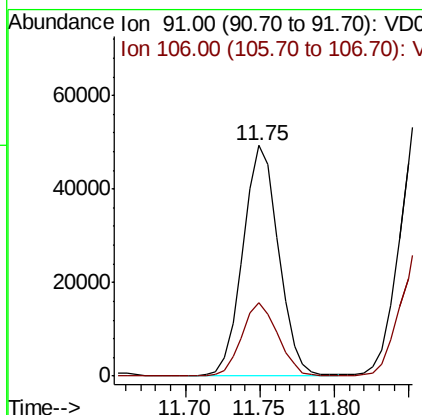
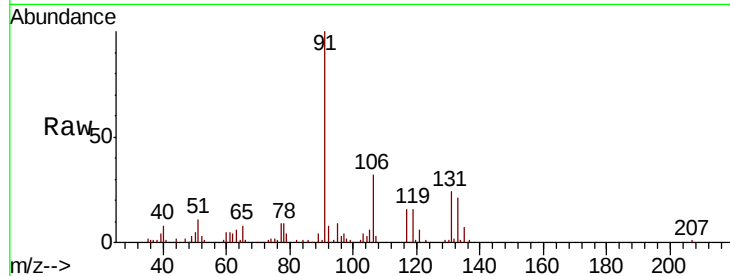




#67
Ethyl Benzene
Concen: 3.850 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

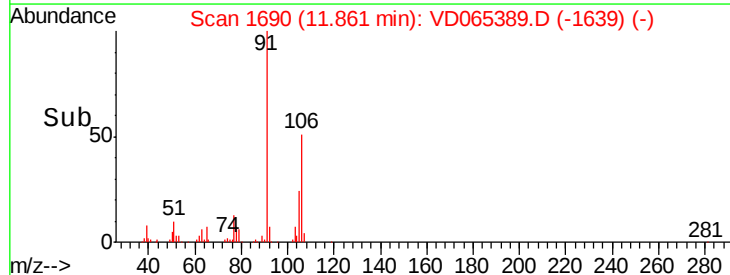
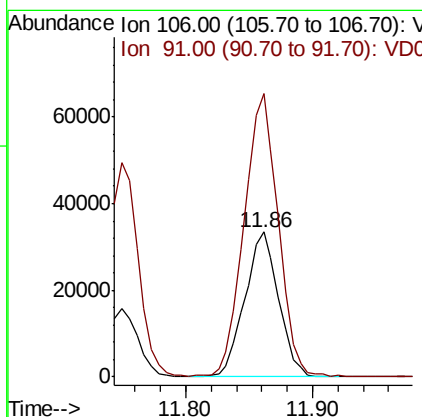
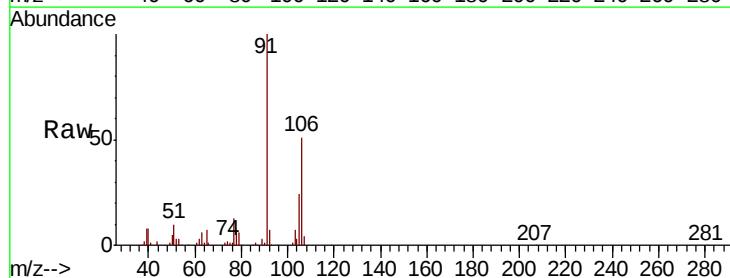
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 81671
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8



#68
m/p-Xylenes
Concen: 7.630 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 106 Resp: 61919
Ion Ratio Lower Upper
106 100
91 198.4 158.2 237.4

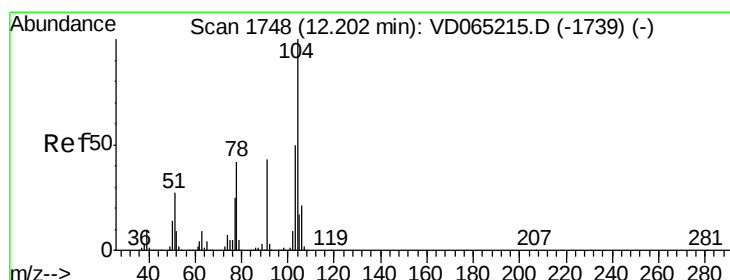
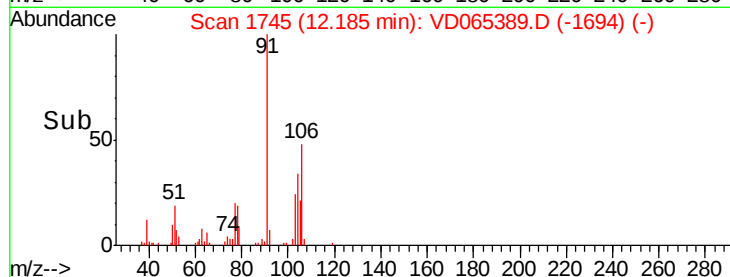
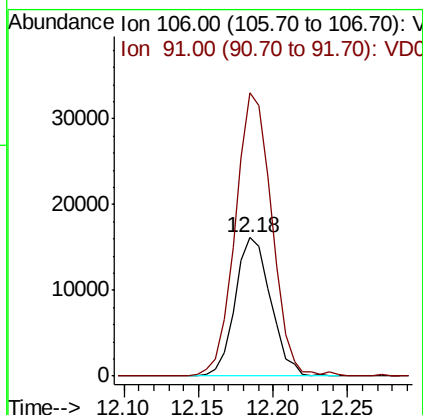
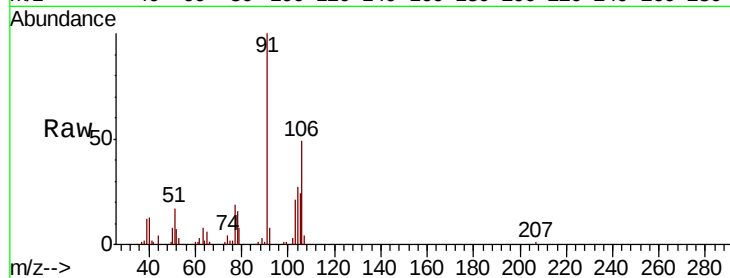




#69
o-Xylene
Concen: 3.729 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

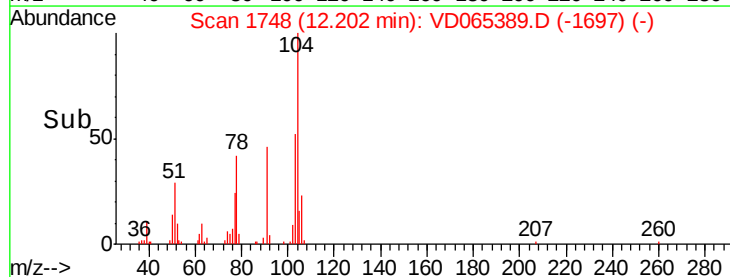
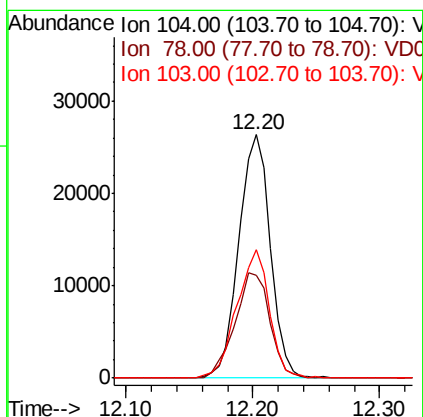
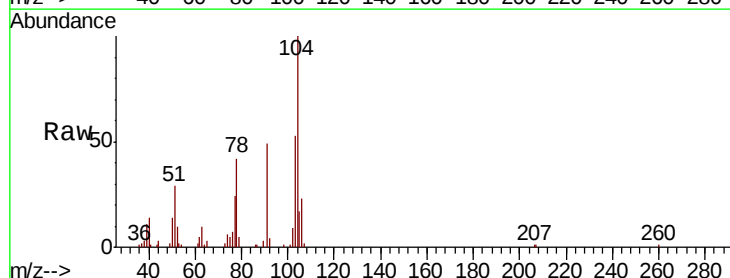
Instrument :
MSVOA_D
ClientSampleId :

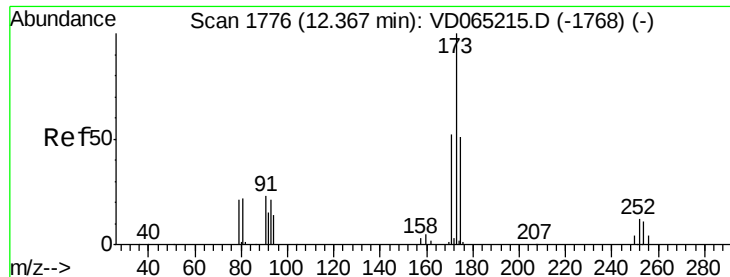
Tot Ion:106 Resp: 26814
Ion Ratio Lower Upper
106 100
91 209.5 104.7 313.9



#70
Styrene
Concen: 3.561 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:104 Resp: 45460
Ion Ratio Lower Upper
104 100
78 47.8 37.8 56.6
103 54.4 43.4 65.2

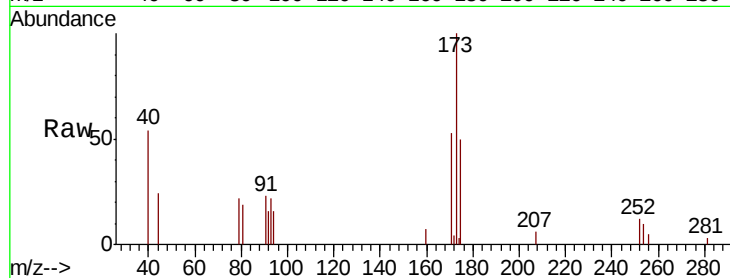




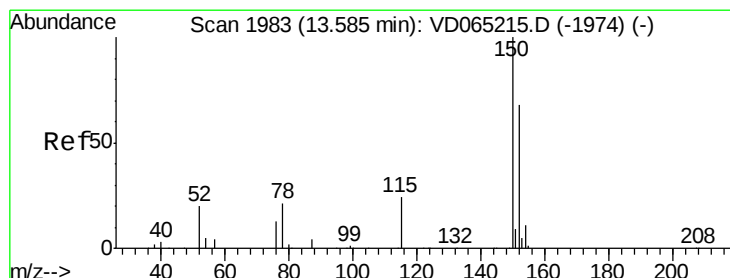
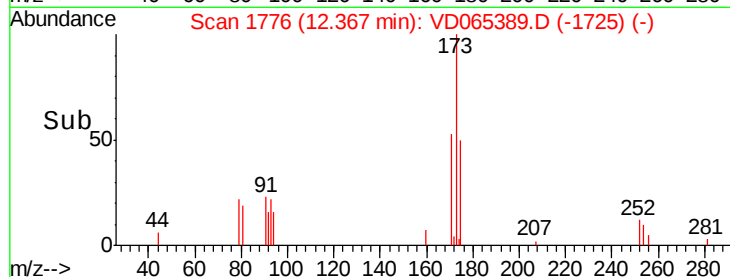
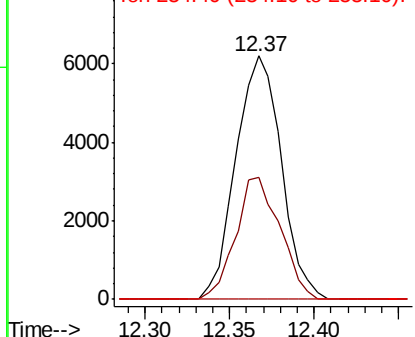
#71
Bromoform
Concen: 4.625 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 11600
Ion Ratio Lower Upper
173 100
175 48.7 24.4 73.4
254 0.0 0.0 0.0

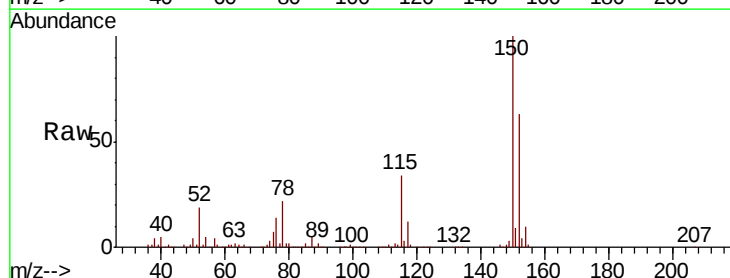


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

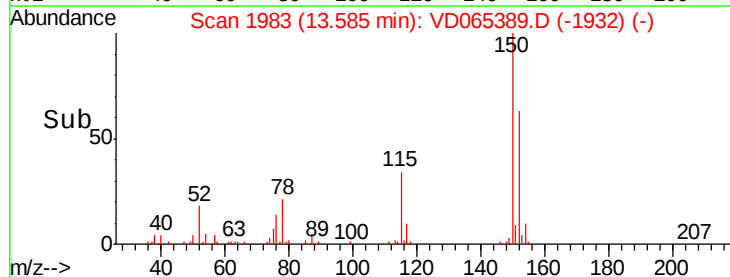
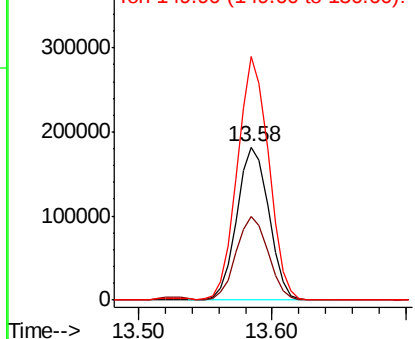


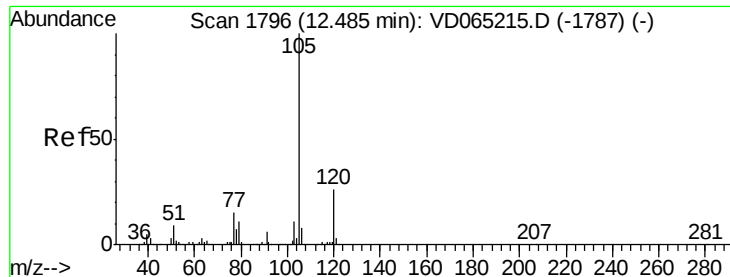
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:152 Resp: 301400
Ion Ratio Lower Upper
152 100
115 54.8 27.6 82.8
150 156.6 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: 3.668 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

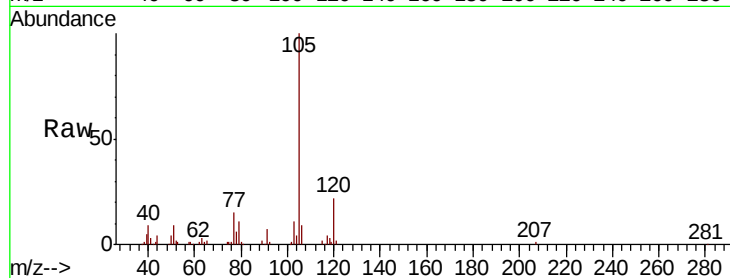
ClientSampled :

Tot Ion:105 Resp: 73197

Ion Ratio Lower Upper

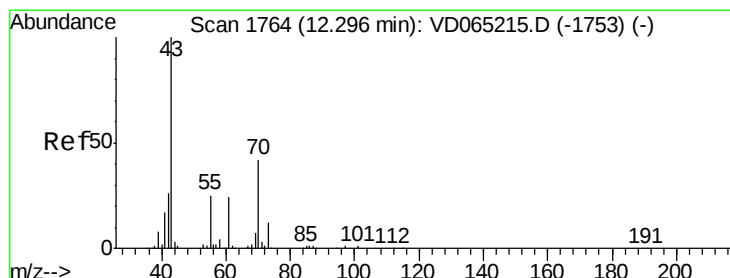
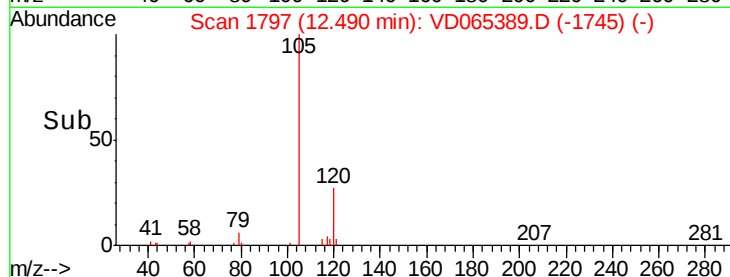
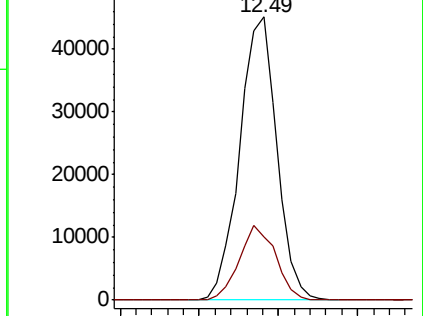
105 100

120 25.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 3.520 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Tgt Ion: 43 Resp: 15608

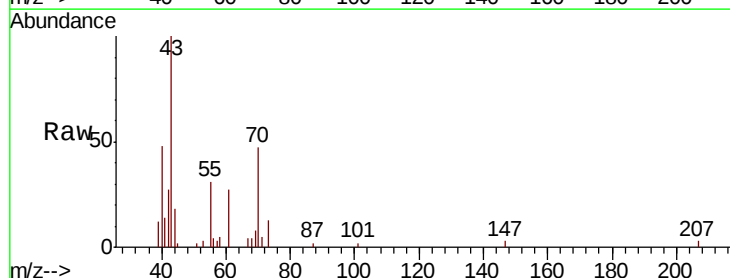
Ion Ratio Lower Upper

43 100

70 41.0 33.7 50.5

55 27.5 20.7 31.1

61 25.0 19.0 28.4

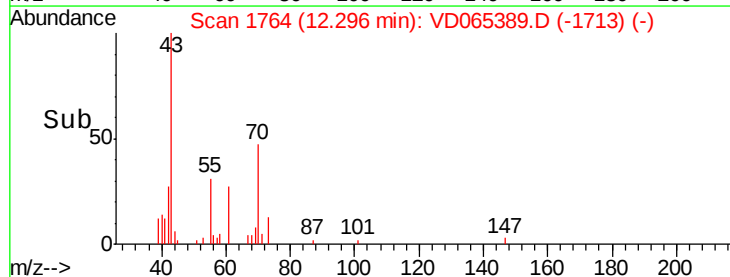
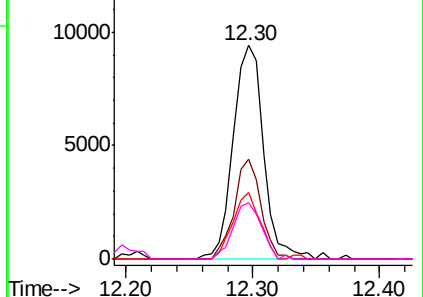


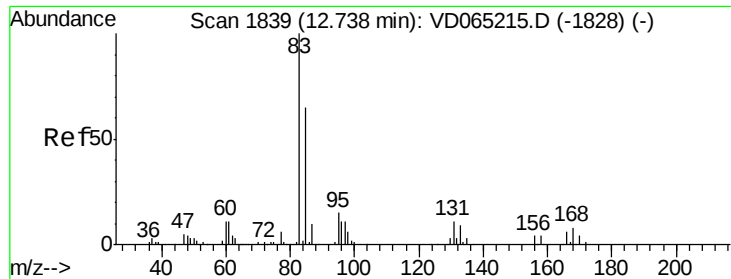
Abundance Ion 43.00 (42.70 to 43.70): V

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

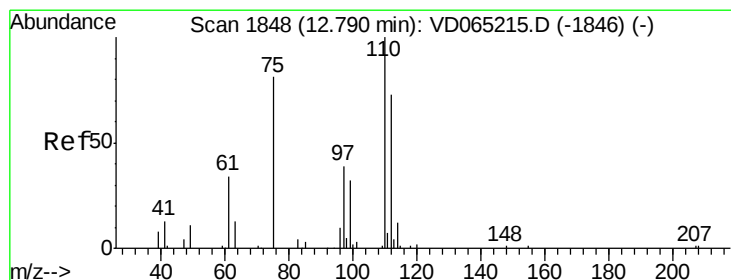
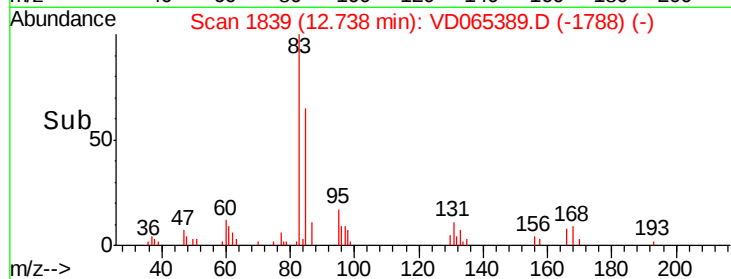
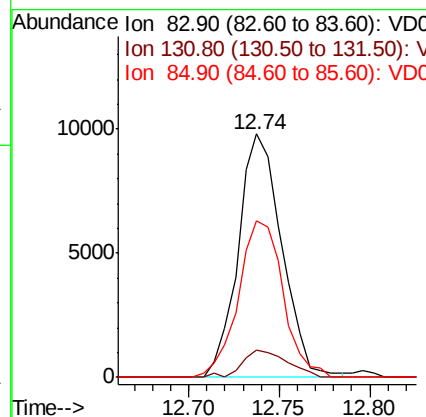
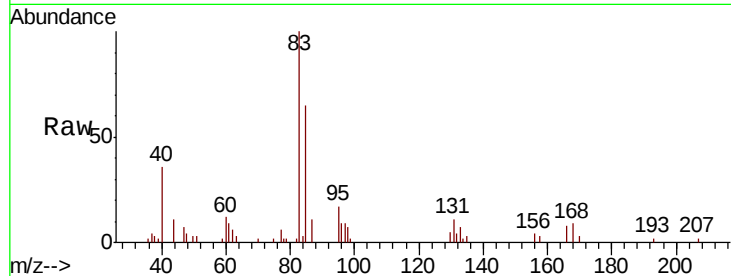




#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.541 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

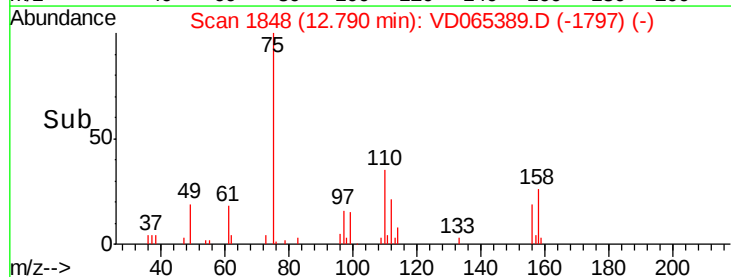
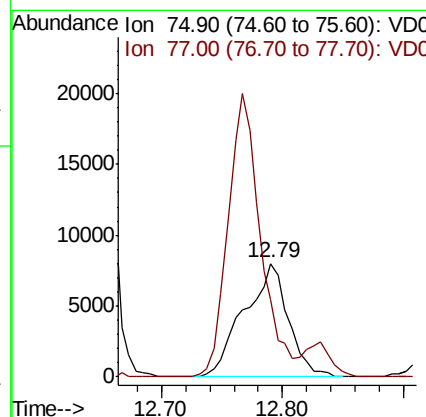
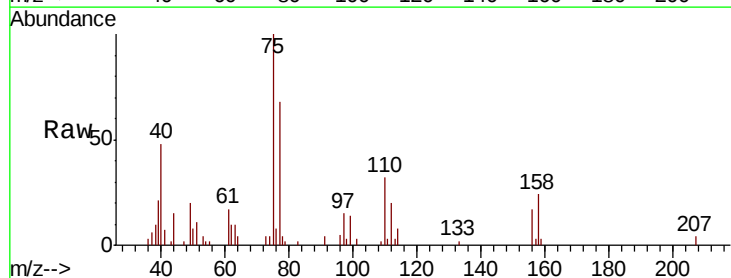
Instrument :
 MSVOA_D
 ClientSampleId :

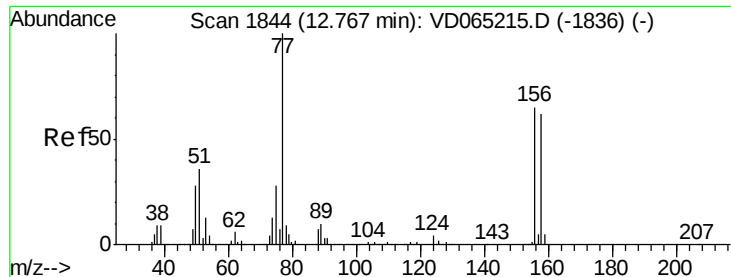
Tot Ion: 83 Resp: 16354
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.4 16.2
 85 66.3 31.6 94.8



#76
 1,2,3-Trichloropropane
 Concen: 7.920 ug/l
 RT: 12.79 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 75 Resp: 20311
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.292 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

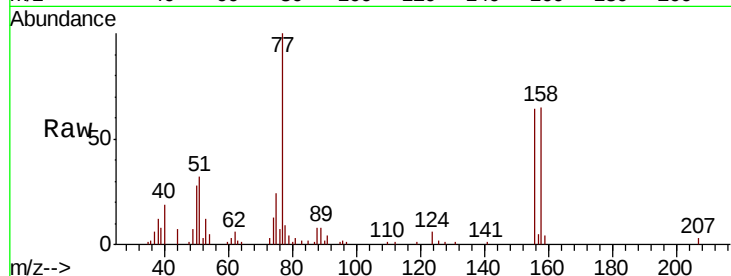
Tot Ion:156 Resp: 21267

Ion Ratio Lower Upper

156 100

77 177.5 86.6 259.7

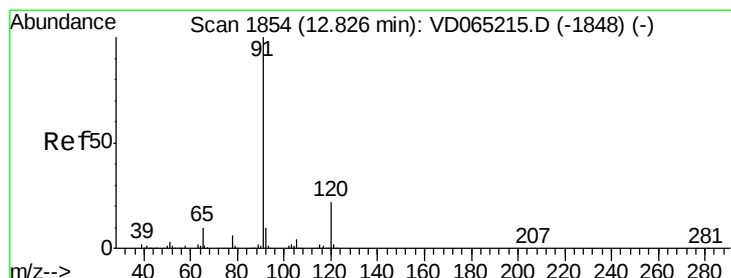
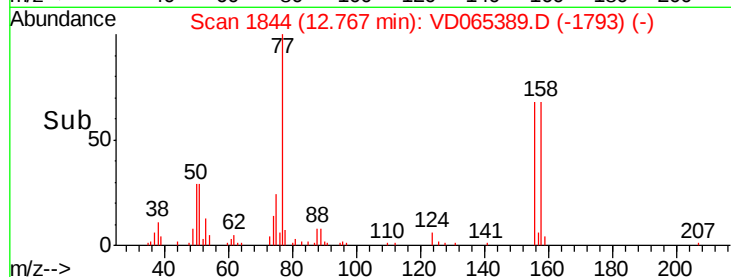
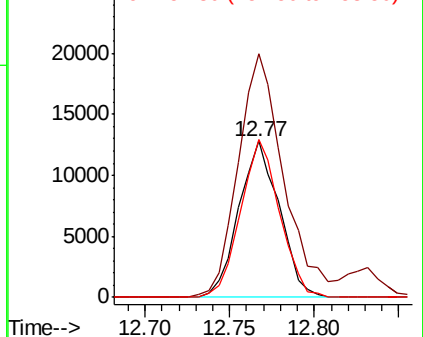
158 97.6 48.1 144.3



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: 3.958 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065389.D

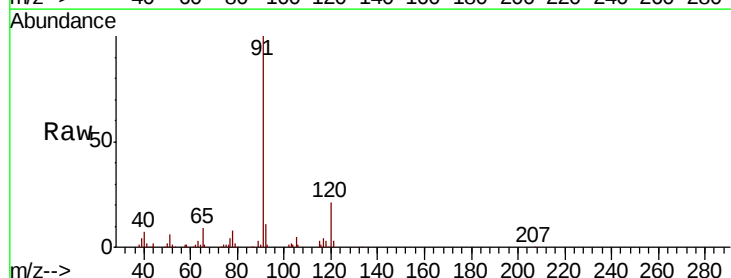
Acq: 03 Mar 2020 12:43

Tgt Ion: 91 Resp: 94908

Ion Ratio Lower Upper

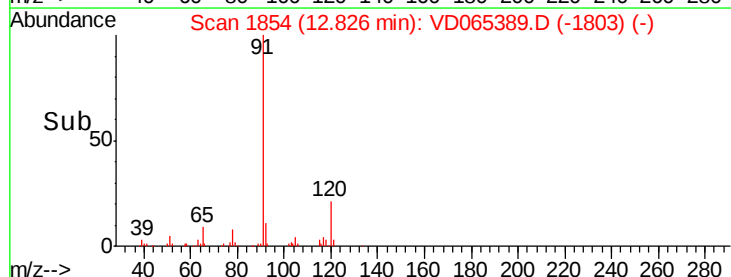
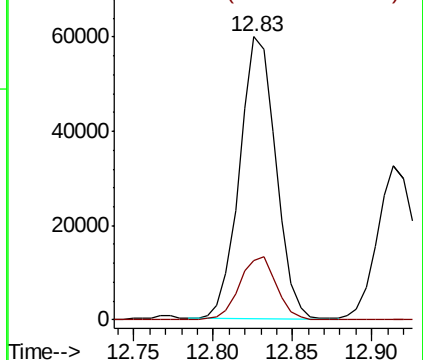
91 100

120 22.5 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: 4.016 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

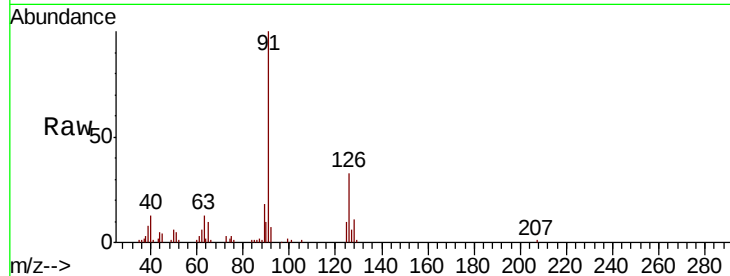
ClientSampleId :

Tot Ion: 91 Resp: 53952

Ion Ratio Lower Upper

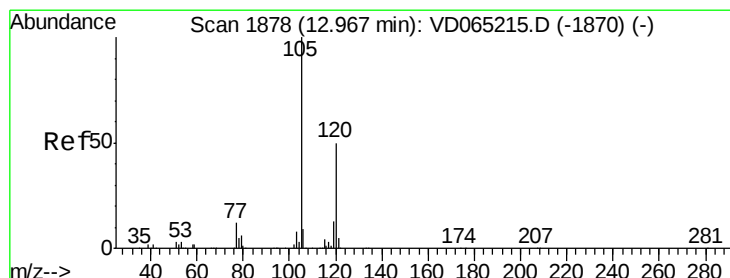
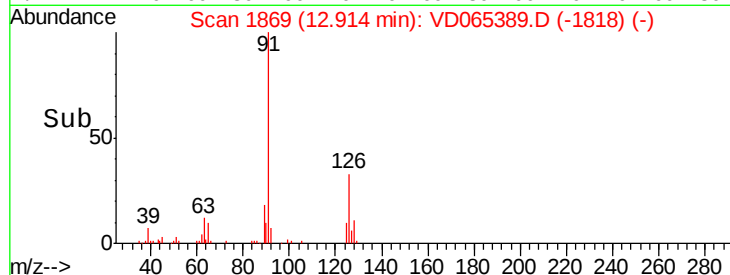
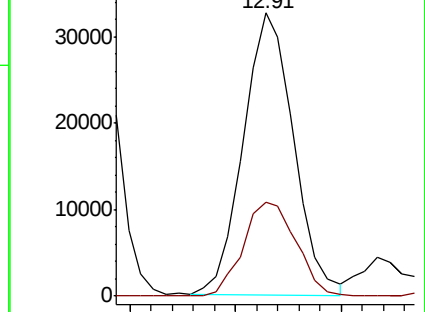
91 100

126 34.9 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: 3.695 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065389.D

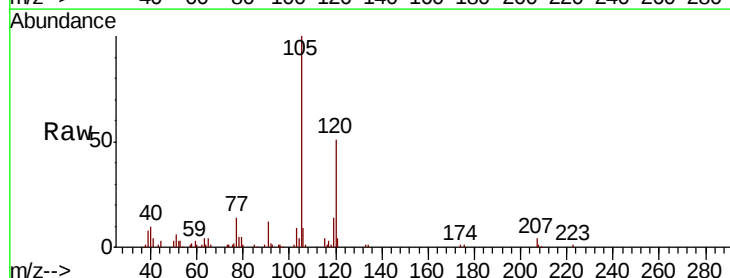
Acq: 03 Mar 2020 12:43

Tgt Ion: 105 Resp: 60728

Ion Ratio Lower Upper

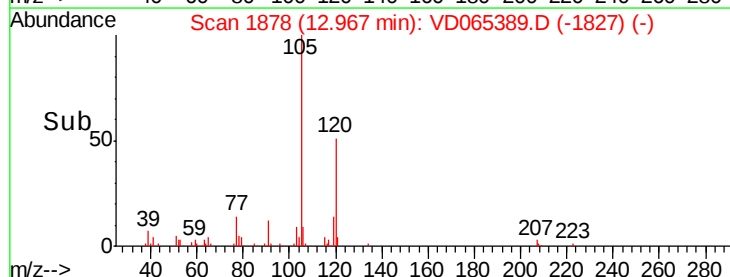
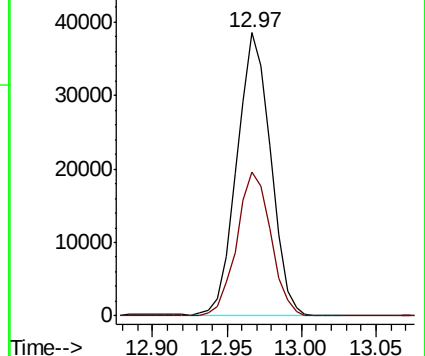
105 100

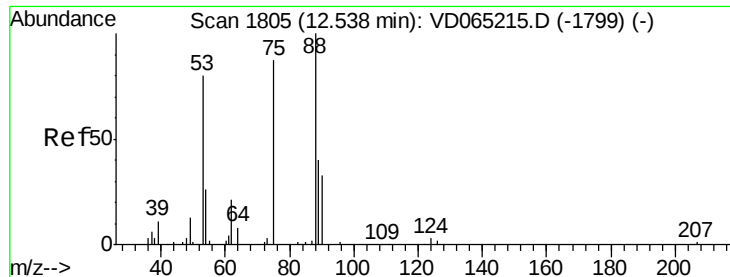
120 51.1 25.4 76.4



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: 3.530 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065389.D

Acq: 03 Mar 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

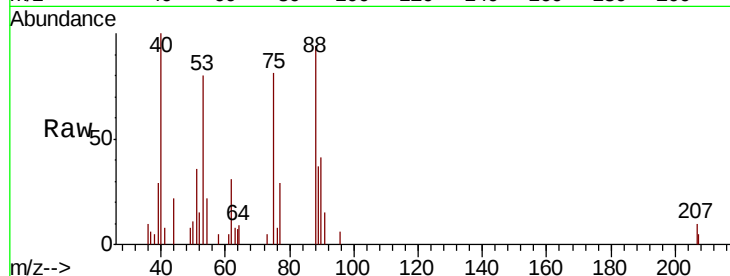
Tot Ion: 75 Resp: 4193

Ion	Ratio	Lower	Upper
75	100		
53	104.6	77.6	116.4
89	46.7	37.2	55.8

75 100

53 104.6 77.6 116.4

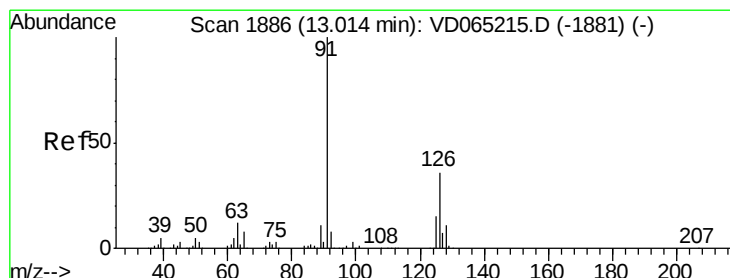
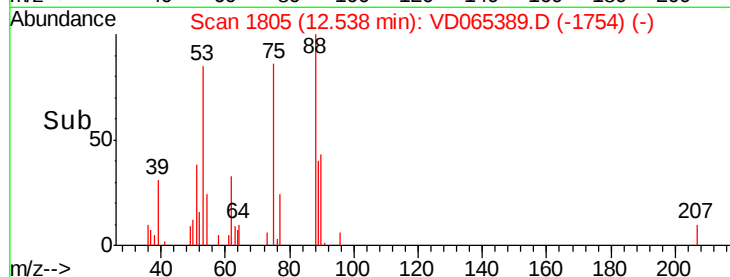
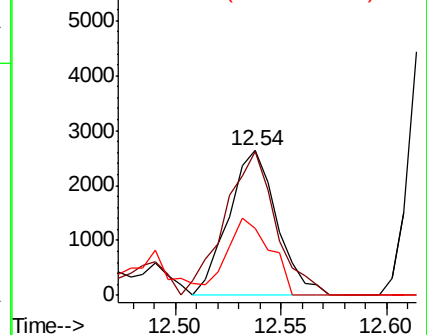
89 46.7 37.2 55.8



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: 4.015 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065389.D

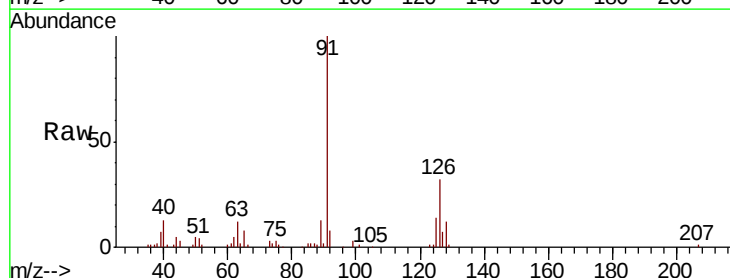
Acq: 03 Mar 2020 12:43

Tgt Ion: 91 Resp: 57262

Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.3

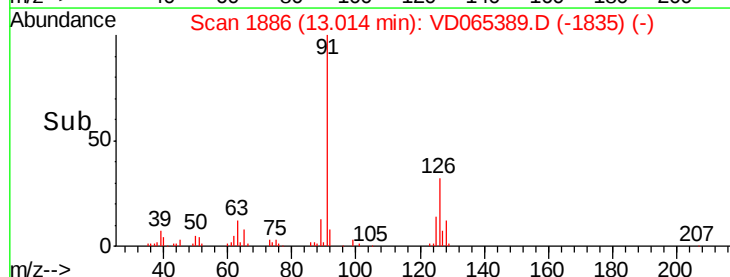
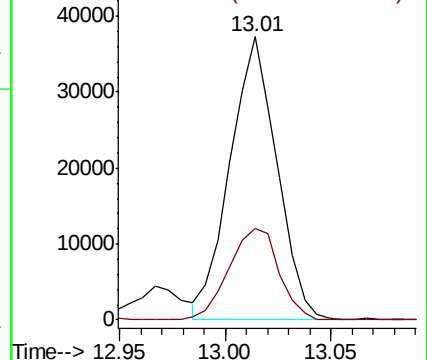
91 100

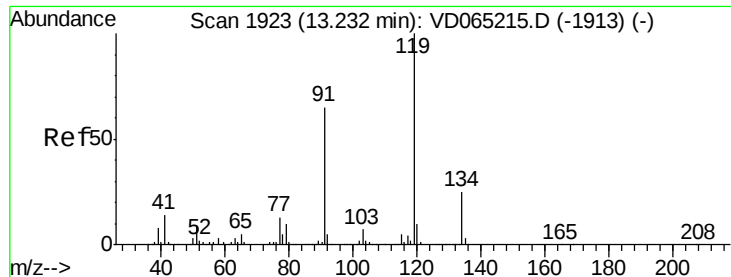
126 34.5 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

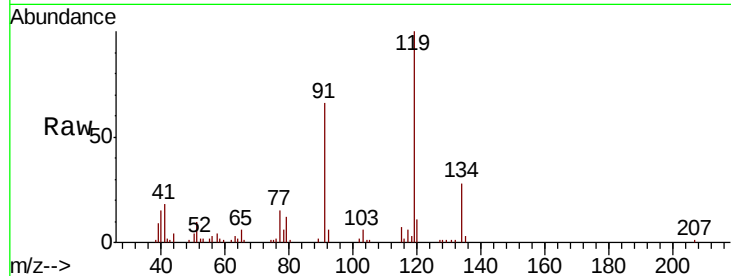




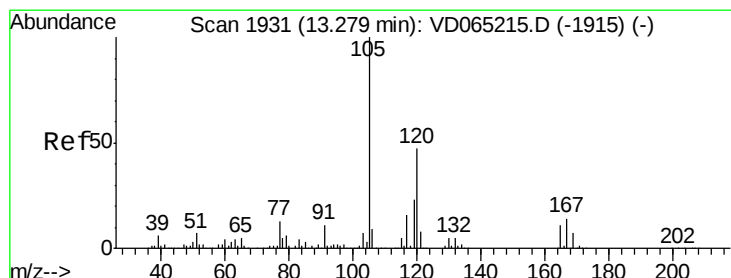
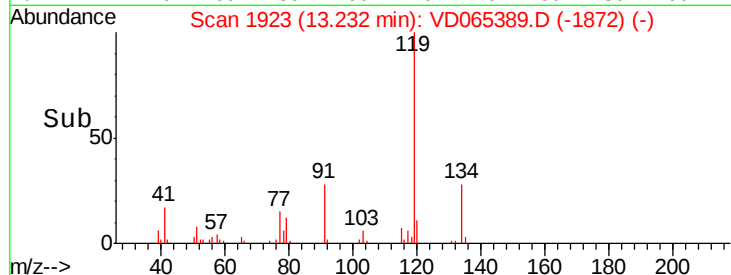
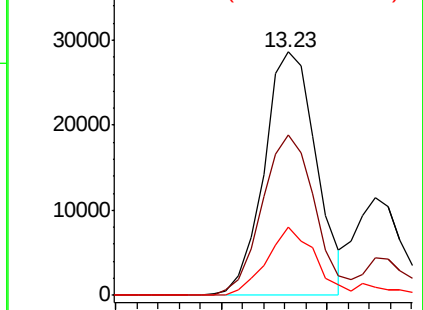
#83
tert-Butylbenzene
Concen: 3.565 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 49110
Ion Ratio Lower Upper
119 100
91 67.0 31.9 95.5
134 25.6 13.8 41.3

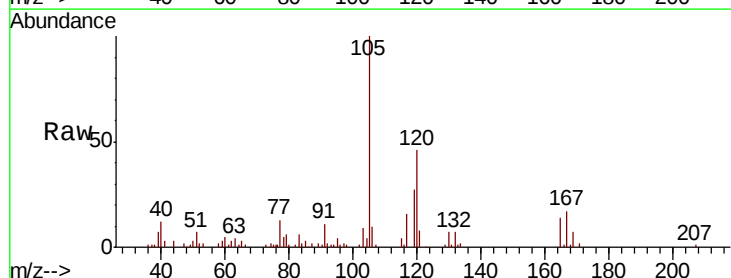


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

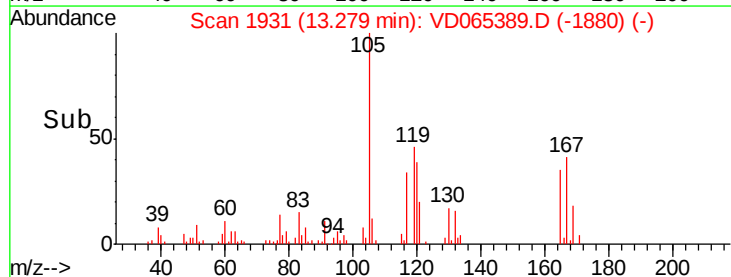
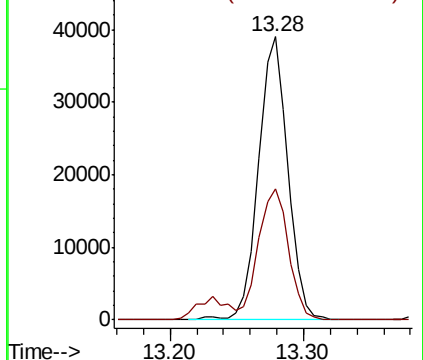


#84
1,2,4-Trimethylbenzene
Concen: 3.578 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:105 Resp: 58865
Ion Ratio Lower Upper
105 100
120 48.0 23.3 69.9



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

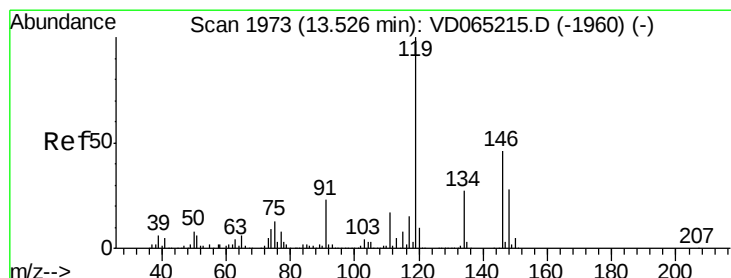
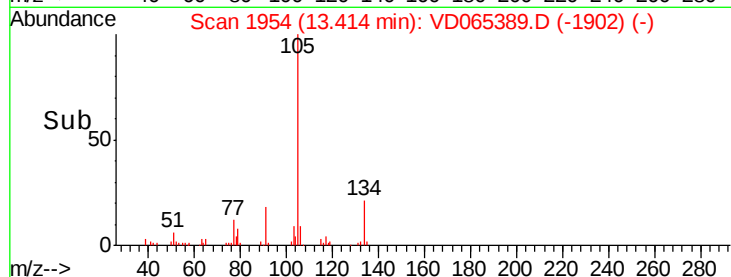
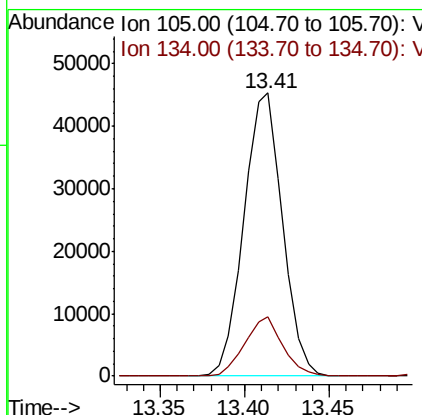
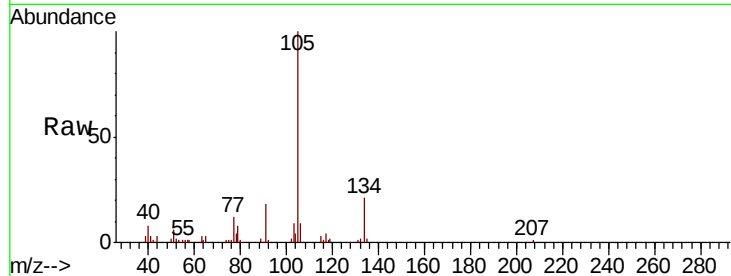




#85
 sec-Butylbenzene
 Concen: 3.623 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

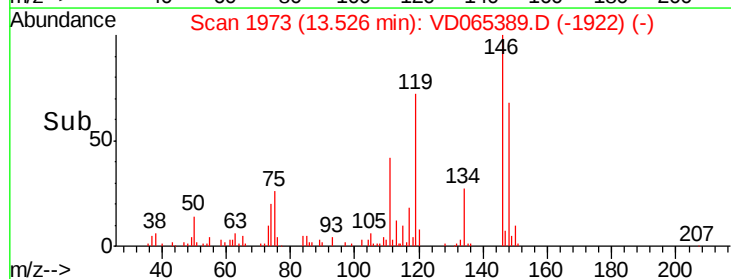
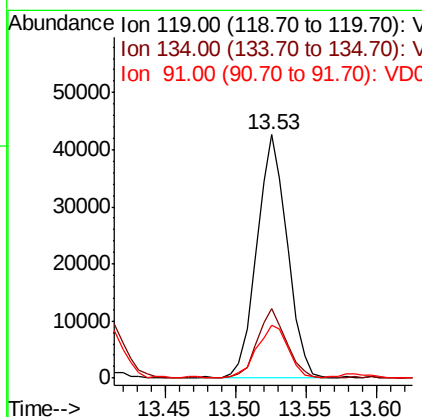
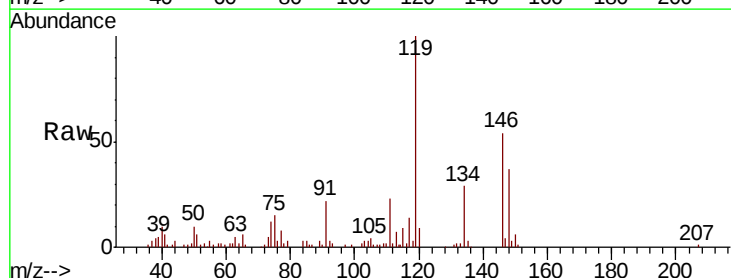
Instrument :
 MSVOA_D
 ClientSampleID :

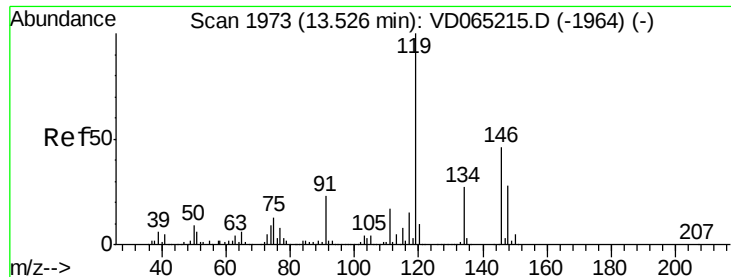
Tot Ion:105 Resp: 71903
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 3.558 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion:119 Resp: 64584
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.8
 91 22.5 11.1 33.1

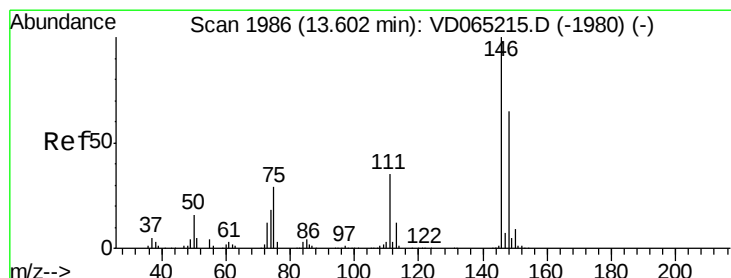
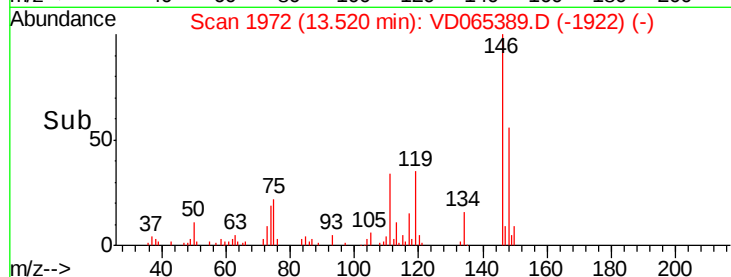
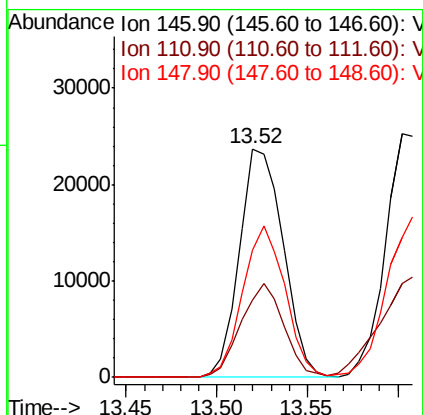
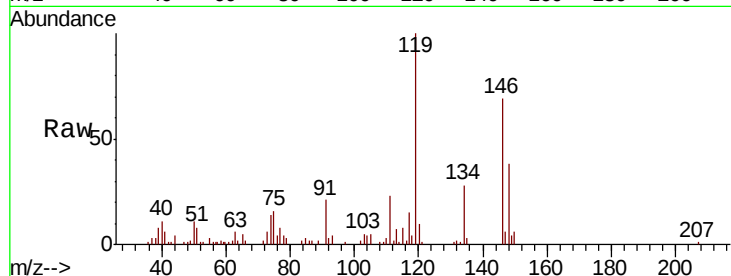




#87
 1,3-Dichlorobenzene
 Concen: 4.159 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

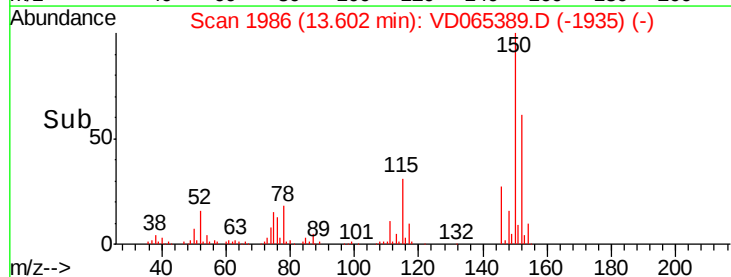
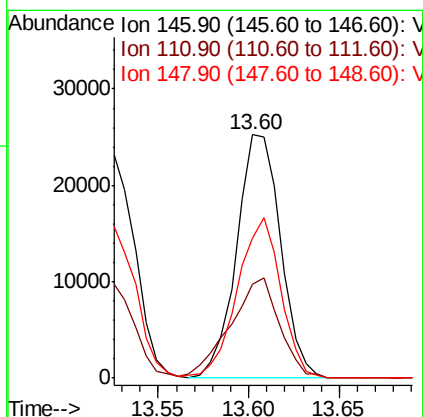
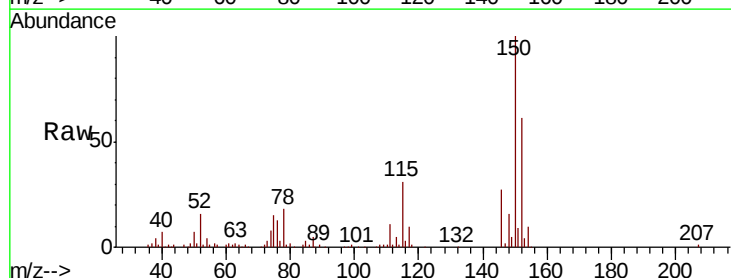
Instrument :
 MSVOA_D
 ClientSampleId :

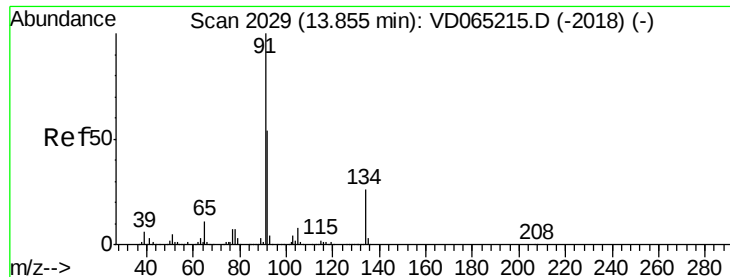
Tot Ion:146 Resp: 39842
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.6 55.8
 148 64.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 4.518 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion:146 Resp: 42710
 Ion Ratio Lower Upper
 146 100
 111 46.0 18.4 55.2
 148 65.1 32.1 96.5

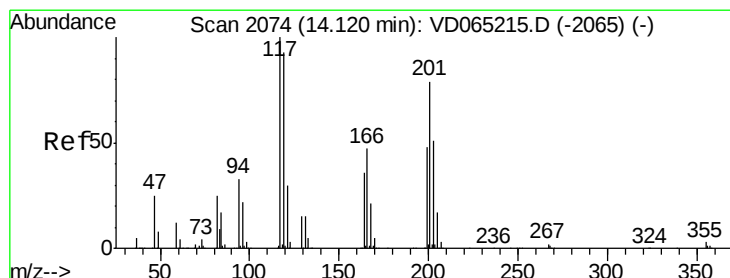
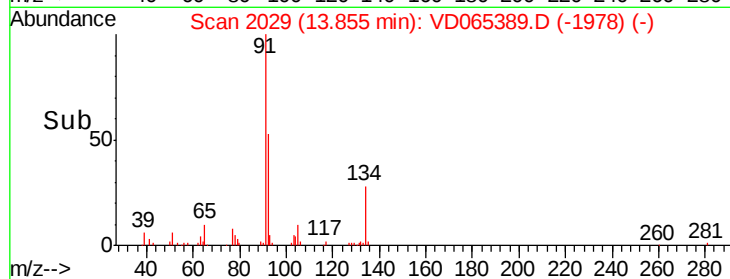
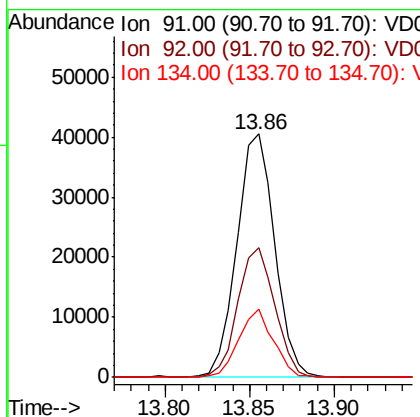
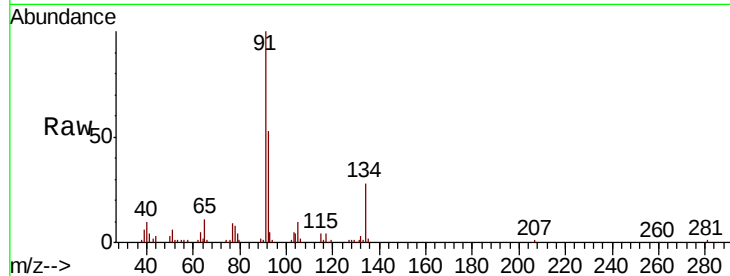




#89
n-Butylbenzene
Concen: 3.787 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

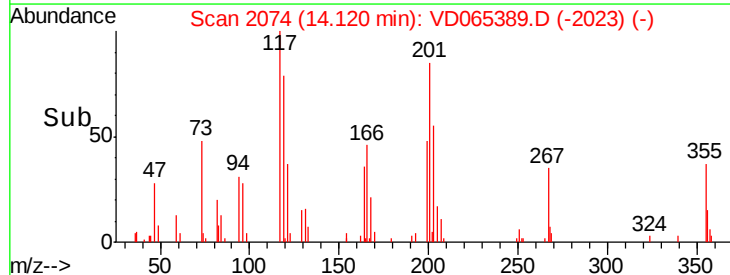
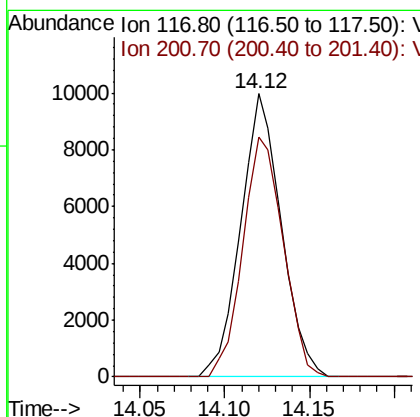
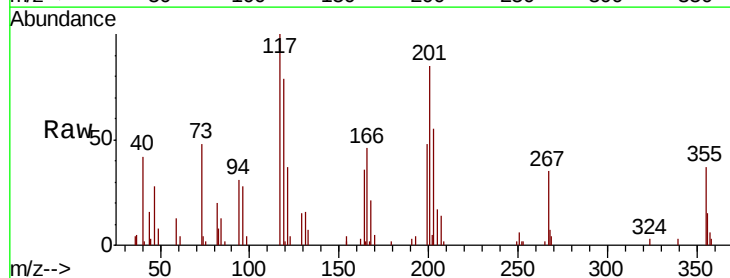
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 63333
Ion Ratio Lower Upper
91 100
92 52.1 27.0 80.8
134 25.3 13.5 40.4



#90
Hexachloroethane
Concen: 4.531 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion: 117 Resp: 16699
Ion Ratio Lower Upper
117 100
201 84.3 41.3 124.1

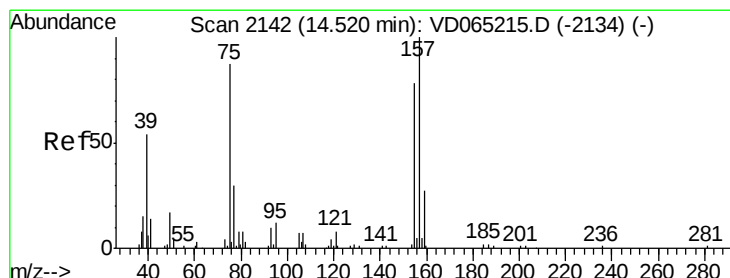
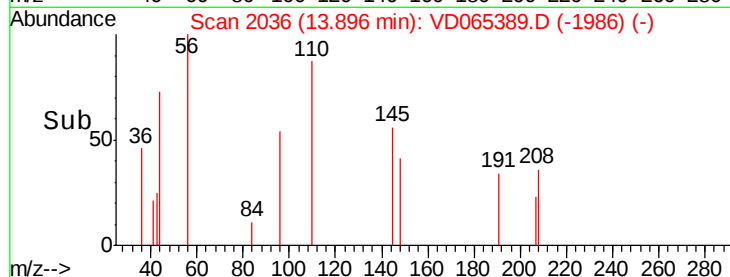
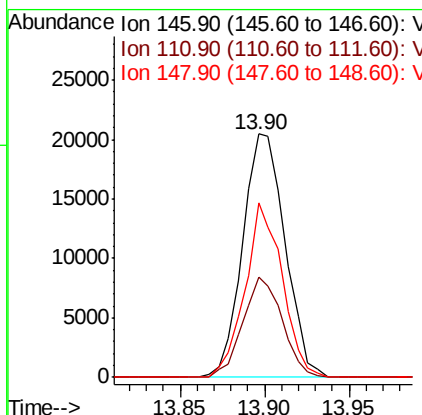
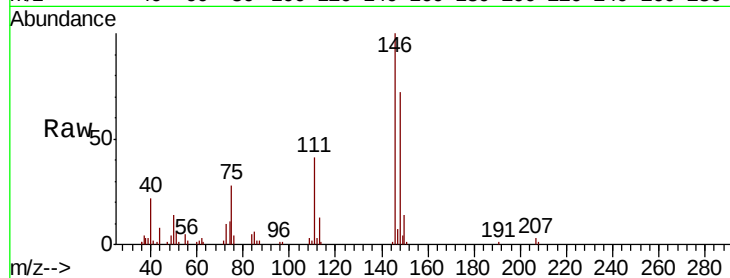




#91
 1,2-Dichlorobenzene
 Concen: 4.340 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

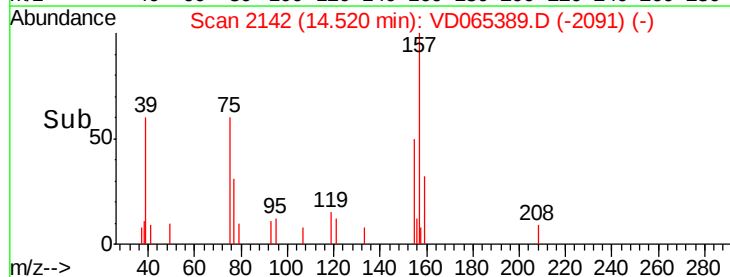
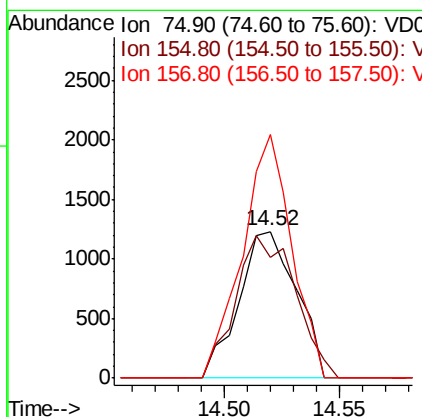
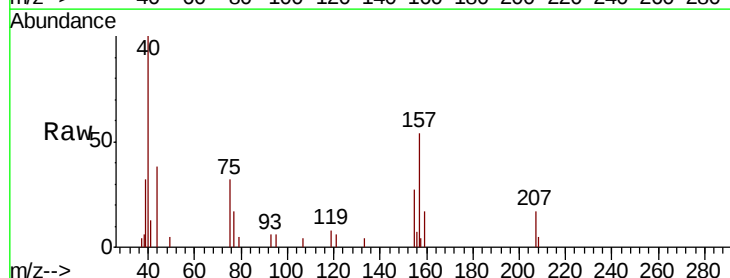
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 35694
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.7 59.0
 148 63.0 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.829 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion: 75 Resp: 2125
 Ion Ratio Lower Upper
 75 100
 155 101.8 42.3 126.9
 157 143.3 56.7 170.1

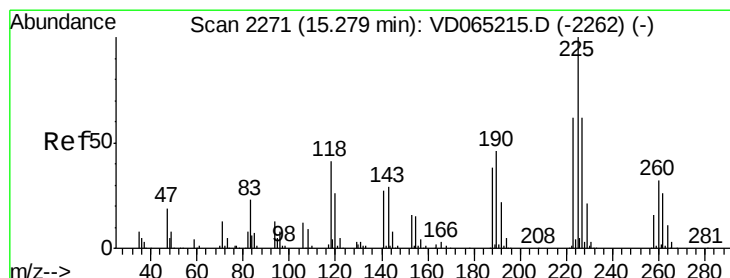
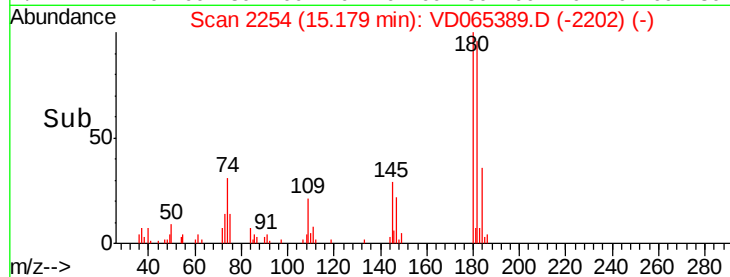
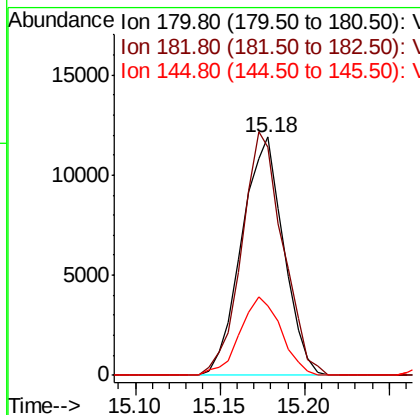
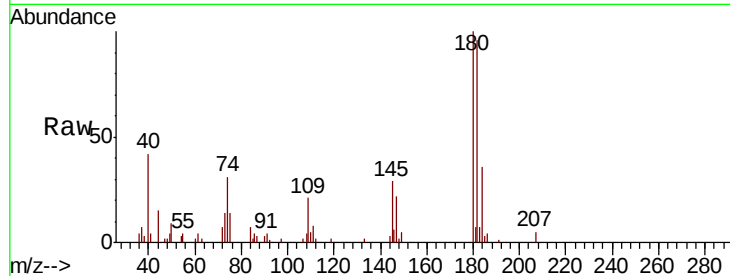




#93
 1,2,4-Trichlorobenzene
 Concen: 3.822 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

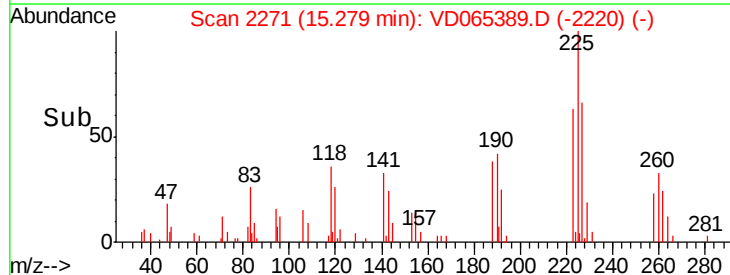
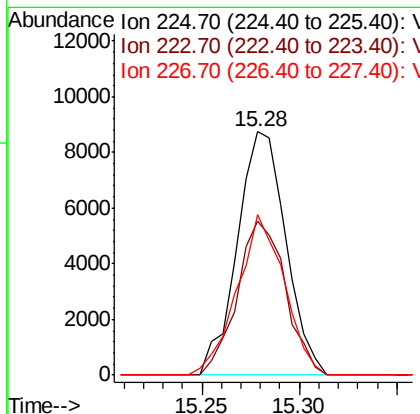
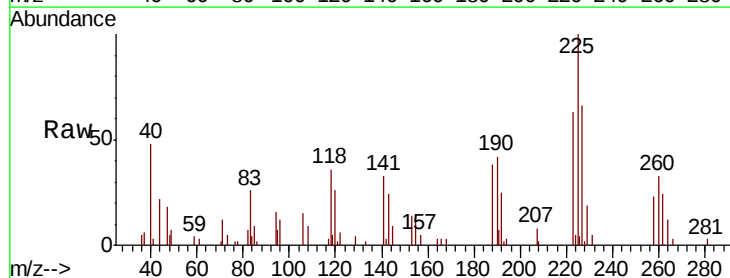
Instrument :
 MSVOA_D
 ClientSampleId :

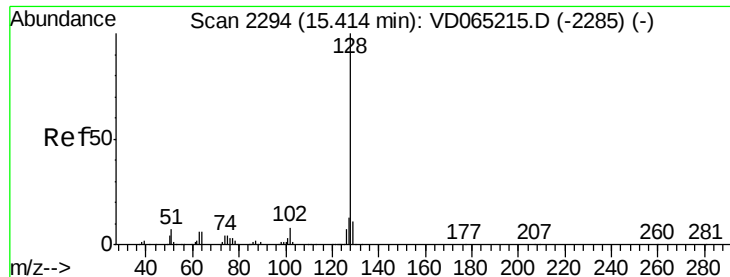
Tot Ion:180 Resp: 20563
 Ion Ratio Lower Upper
 180 100
 182 100.5 46.9 140.6
 145 32.3 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 4.371 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065389.D
 Acq: 03 Mar 2020 12:43

Tgt Ion:225 Resp: 15086
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 63.9 31.7 95.1

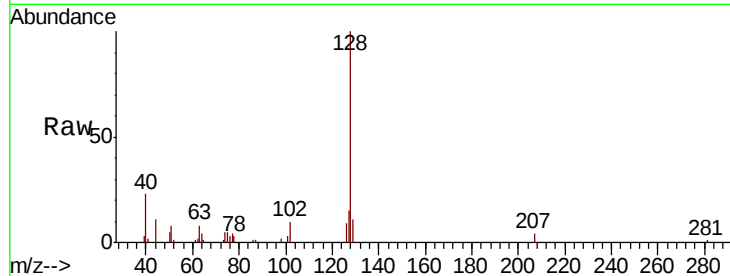




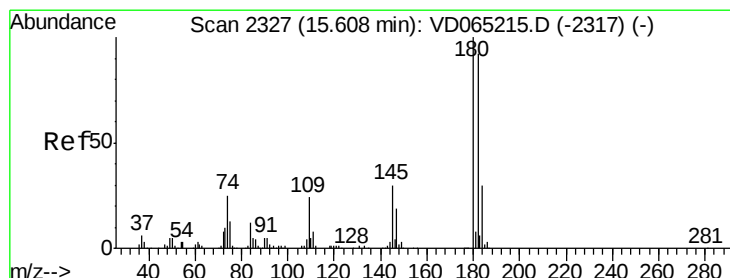
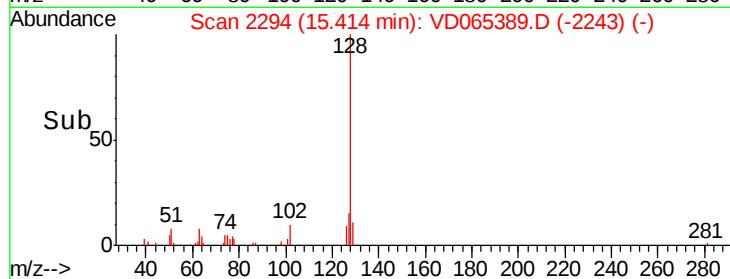
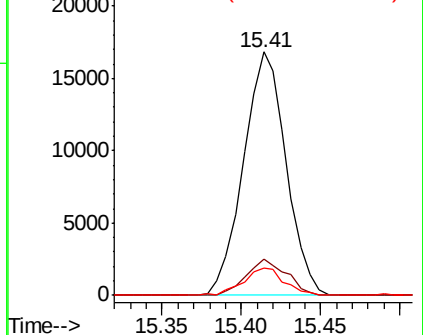
#95
Naphthalene
Concen: 3.592 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 31412
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 10.8 8.8 13.2

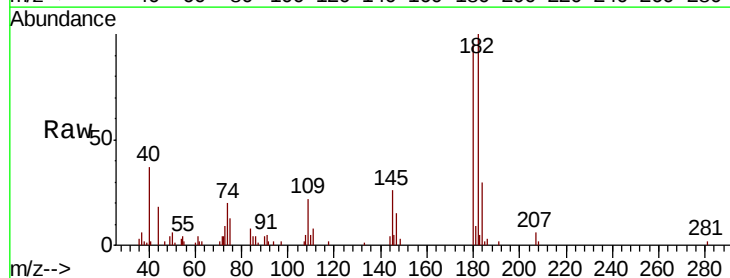


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.320 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065389.D
Acq: 03 Mar 2020 12:43

Tgt Ion:180 Resp: 20299
Ion Ratio Lower Upper
180 100
182 97.6 46.9 140.6
145 29.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

