

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064038.D
 Acq On : 24 Oct 2019 10:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:55:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	185610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	279580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157832	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	83643	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.91	113	87853	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.34	98	362340	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.63	95	117954	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	59053	44.863	ug/l	89
3) Chloromethane	2.21	50	177167	49.811	ug/l	94
4) Vinyl Chloride	2.35	62	219386	51.568	ug/l	93
5) Bromomethane	2.77	94	130795	47.821	ug/l	98
6) Chloroethane	2.93	64	140349	49.884	ug/l	95
7) Trichlorofluoromethane	3.27	101	312795	55.610	ug/l	97
8) Diethyl Ether	3.70	74	41225	45.662	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81922	52.615	ug/l	93
10) Methyl Iodide	4.29	142	94983	44.272	ug/l	99
11) Tert butyl alcohol	5.24	59	27598	218.835	ug/l	98
12) 1,1-Dichloroethene	4.07	96	76291	49.044	ug/l	81
13) Acrolein	3.92	56	32127	199.058	ug/l	93
14) Allyl chloride	4.71	41	122782	47.475	ug/l	100
15) Acrylonitrile	5.42	53	100250	251.858	ug/l	95
16) Acetone	4.17	43	119078	253.102	ug/l	95
17) Carbon Disulfide	4.40	76	239354	42.329	ug/l #	92
18) Methyl Acetate	4.72	43	46432	50.459	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	188521	46.801	ug/l	99
20) Methylene Chloride	4.97	84	95017	45.229	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	92915	47.981	ug/l	94
22) Diisopropyl ether	6.37	45	251109	47.541	ug/l	91
23) Vinyl Acetate	6.31	43	768914	244.711	ug/l	98
24) 1,1-Dichloroethane	6.27	63	166283	51.110	ug/l	96
25) 2-Butanone	7.23	43	138043	247.583	ug/l	91
26) 2,2-Dichloropropane	7.21	77	145791	49.538	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	108734	49.608	ug/l	97
28) Bromochloromethane	7.54	49	67662	54.527	ug/l	100
29) Tetrahydrofuran	7.57	42	74177	227.929	ug/l	99
30) Chloroform	7.71	83	176267	49.883	ug/l	98
31) Cyclohexane	7.98	56	150481	56.459	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	163390	53.903	ug/l	97
36) 1,1-Dichloropropene	8.11	75	140693	55.038	ug/l	99
37) Ethyl Acetate	7.30	43	54108	53.029	ug/l	100
38) Carbon Tetrachloride	8.10	117	147061	56.930	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171405	54.534	ug/l	94
40) Benzene	8.36	78	396251	54.092	ug/l	99
41) Methacrylonitrile	7.54	41	29994	50.609	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	105743	49.902	ug/l	100
43) Isopropyl Acetate	8.46	43	98240	45.826	ug/l	98
44) Trichloroethene	9.11	130	113467	53.715	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95137	53.059	ug/l	94
46) Dibromomethane	9.48	93	54678	53.545	ug/l	98
47) Bromodichloromethane	9.67	83	139180	52.939	ug/l	91
48) Methyl methacrylate	9.46	41	47589	46.331	ug/l	95
49) 1,4-Dioxane	9.47	88	14853	1065.597	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	279535	251.423	ug/l	98
52) Toluene	10.40	92	277690	55.220	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	132657	51.708	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	152357	51.591	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	79726	55.295	ug/l	92
56) Ethyl methacrylate	10.66	69	89380	48.952	ug/l	96
57) 1,3-Dichloropropane	10.95	76	130686	52.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	181205	230.886	ug/l	99
59) 2-Hexanone	10.99	43	213165	265.048	ug/l	100
60) Dibromochloromethane	11.14	129	102639	54.679	ug/l	99
61) 1,2-Dibromoethane	11.25	107	77054	55.126	ug/l	99
64) Tetrachloroethene	10.88	164	102229	54.996	ug/l	97
65) Chlorobenzene	11.67	112	307917	56.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	113041	56.101	ug/l	99
67) Ethyl Benzene	11.75	91	563612	57.159	ug/l	97
68) m/p-Xylenes	11.86	106	447394	117.552	ug/l	95
69) o-Xylene	12.18	106	205814	56.475	ug/l	95
70) Styrene	12.20	104	353763	57.342	ug/l	99
71) Bromoform	12.36	173	64550	59.693	ug/l #	97
73) Isopropylbenzene	12.48	105	568495	53.580	ug/l	99
74) N-amyl acetate	12.29	43	104945	45.940	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	91470	49.542	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	116659	110.356	ug/l #	100
77) Bromobenzene	12.76	156	137684	52.085	ug/l	97
78) n-propylbenzene	12.83	91	678773	54.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	355694	51.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	481178	54.359	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27413	45.889	ug/l	94
82) 4-Chlorotoluene	13.01	91	375569	51.555	ug/l	98
83) tert-Butylbenzene	13.23	119	423789	53.794	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	486585	53.321	ug/l	99
85) sec-Butylbenzene	13.41	105	597163	56.130	ug/l	98
86) p-Isopropyltoluene	13.52	119	581424	57.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	285907	54.738	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	278053	53.960	ug/l	98
89) n-Butylbenzene	13.85	91	534255	57.012	ug/l	98
90) Hexachloroethane	14.11	117	105174	58.086	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	244722	54.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14653	51.135	ug/l	85

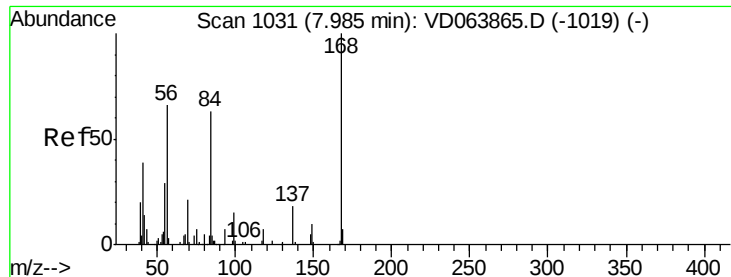
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184038	52.988	ug/l	99
94) Hexachlorobutadiene	15.27	225	110728	57.772	ug/l	97
95) Naphthalene	15.41	128	315660	54.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	156800	52.325	ug/l	99

(#) = 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: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

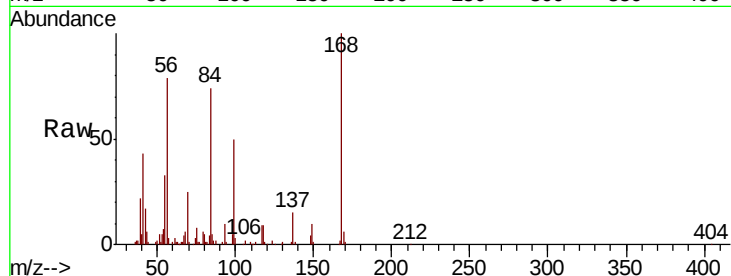
ClientSampleId :

Tot Ion:168 Resp: 185610

Ion Ratio Lower Upper

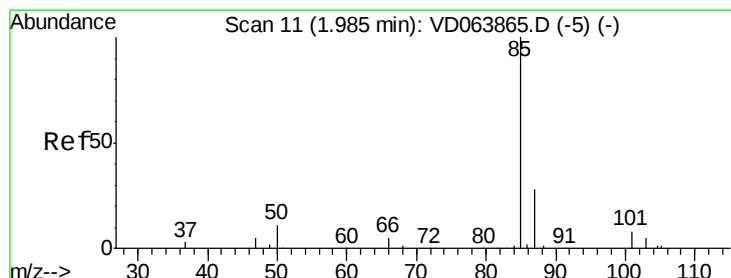
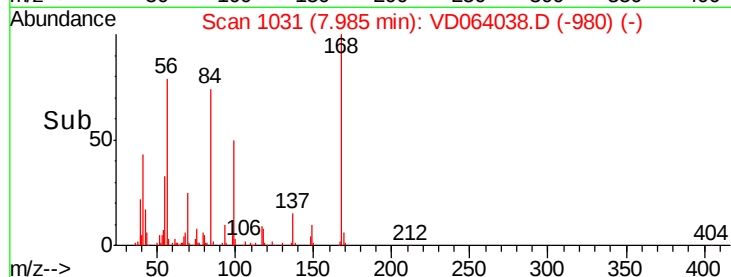
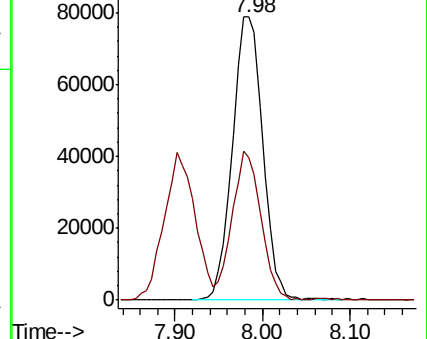
168 100

99 50.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.863 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064038.D

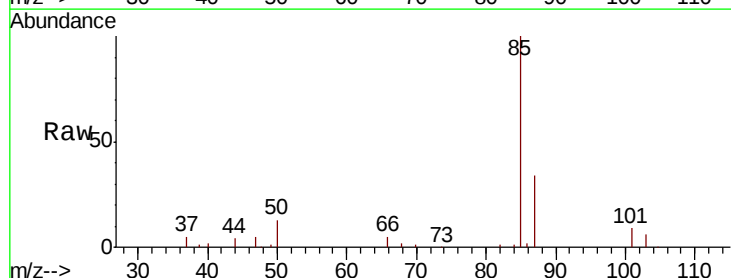
Acq: 24 Oct 2019 10:52

Tgt Ion: 85 Resp: 59053

Ion Ratio Lower Upper

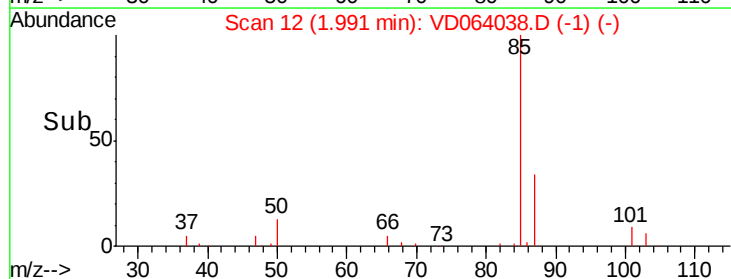
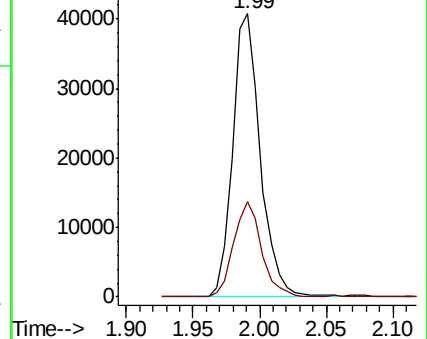
85 100

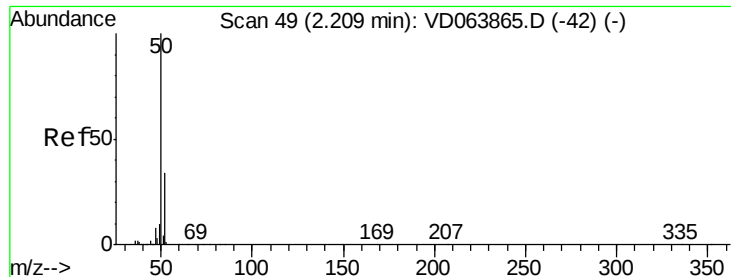
87 33.7 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

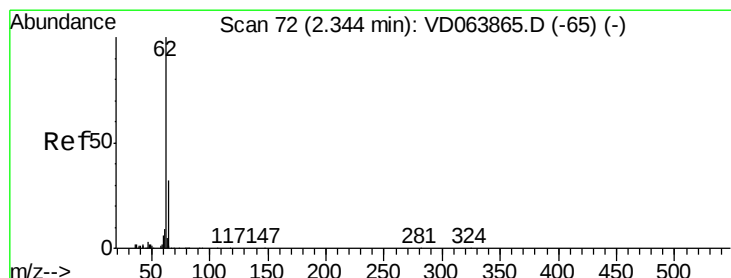
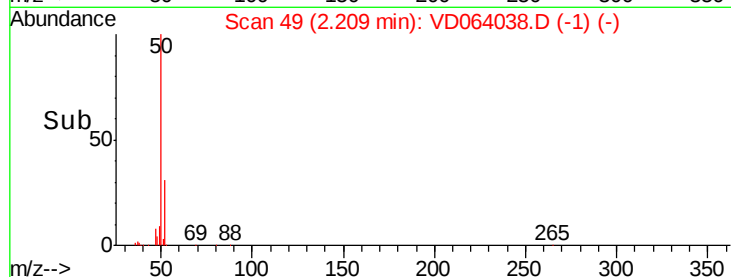
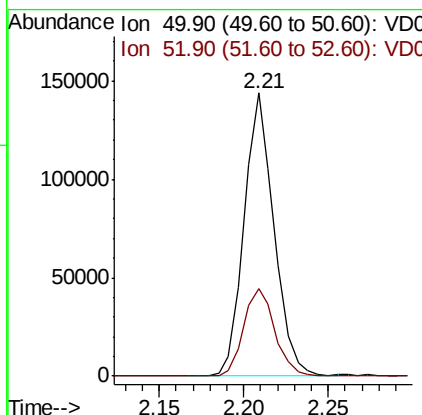
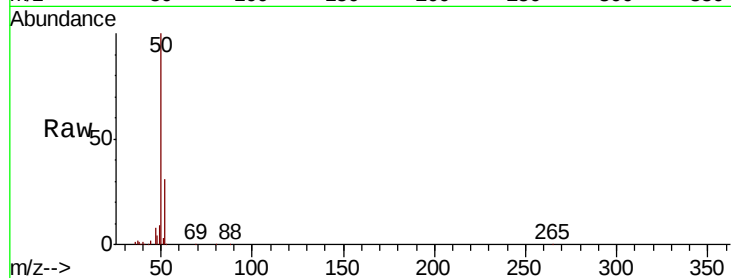




#3
Chloromethane
Concen: 49.811 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

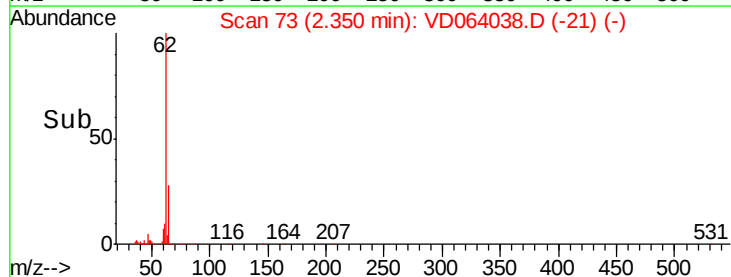
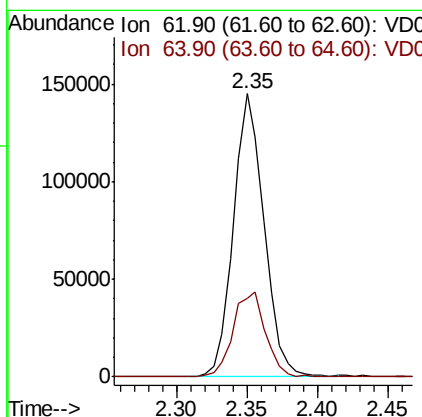
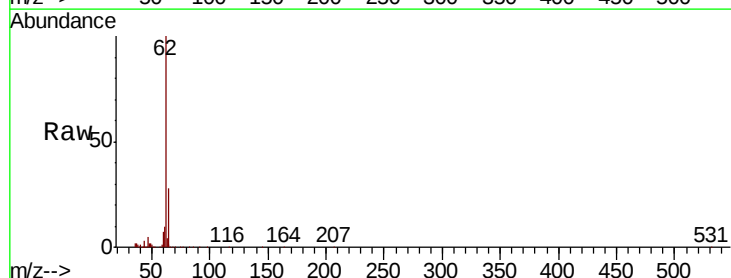
Instrument :
MSVOA_D
ClientSampleId :

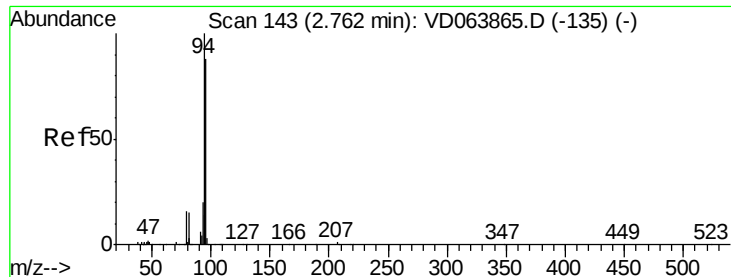
Tot Ion: 50 Resp: 177167
Ion Ratio Lower Upper
50 100
52 31.0 27.5 41.3



#4
Vinyl Chloride
Concen: 51.568 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 62 Resp: 219386
Ion Ratio Lower Upper
62 100
64 27.9 25.4 38.0





#5

Bromomethane

Concen: 47.821 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

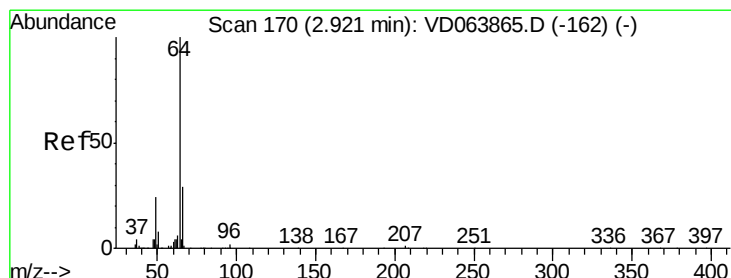
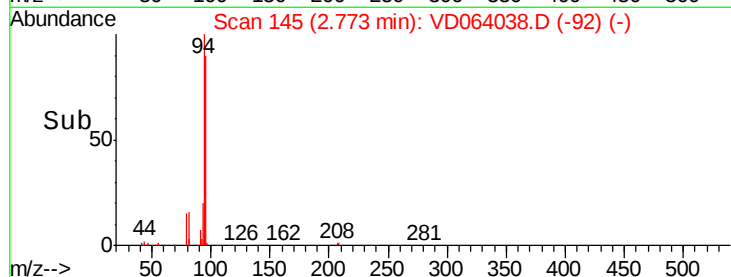
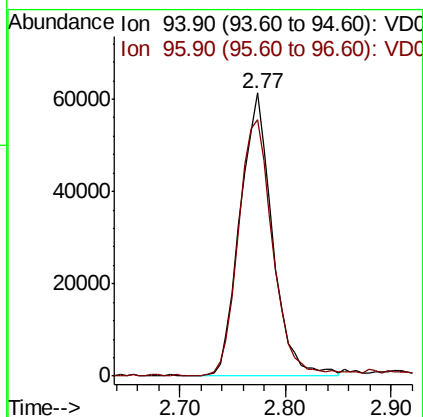
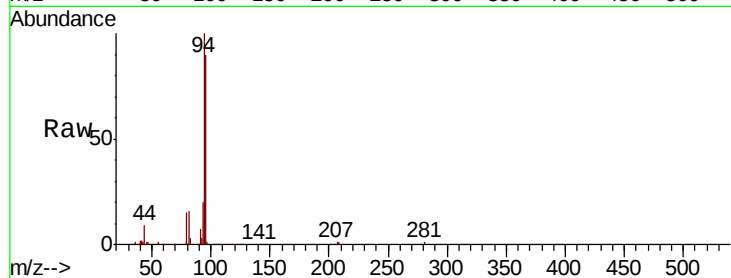
ClientSampleId :

Tot Ion: 94 Resp: 130795

Ion Ratio Lower Upper

94 100

96 90.4 70.8 106.2



#6

Chloroethane

Concen: 49.884 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064038.D

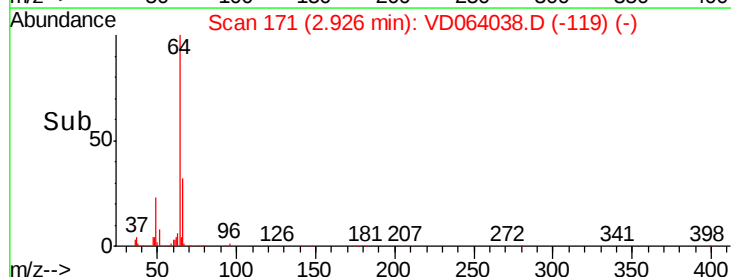
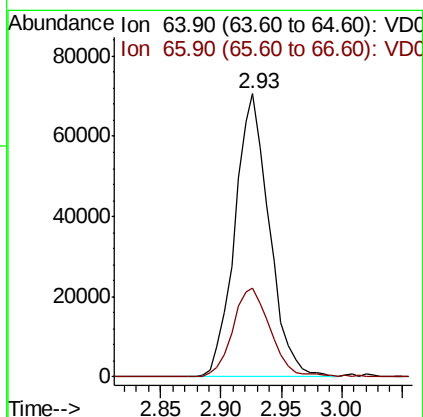
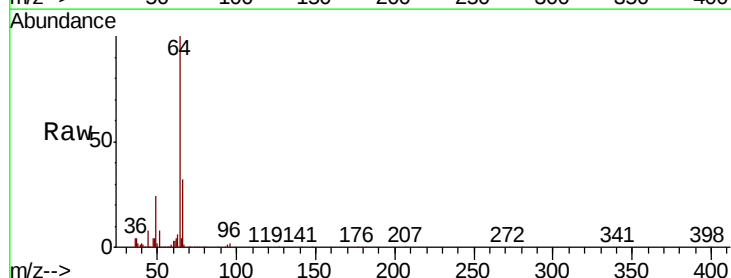
Acq: 24 Oct 2019 10:52

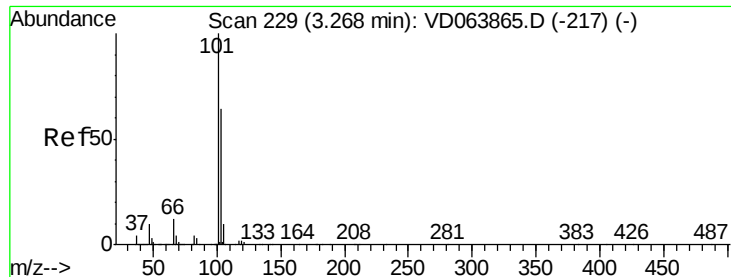
Tgt Ion: 64 Resp: 140349

Ion Ratio Lower Upper

64 100

66 31.6 23.0 34.4



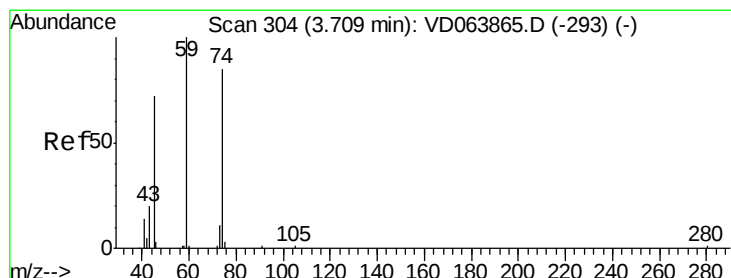
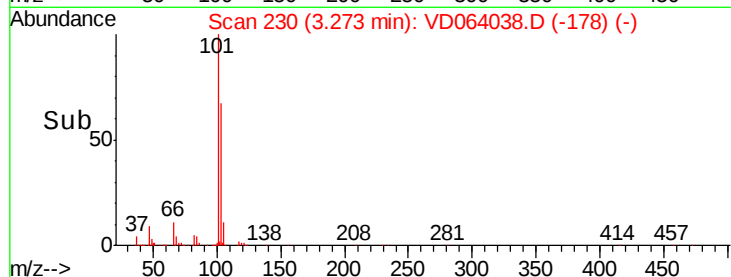
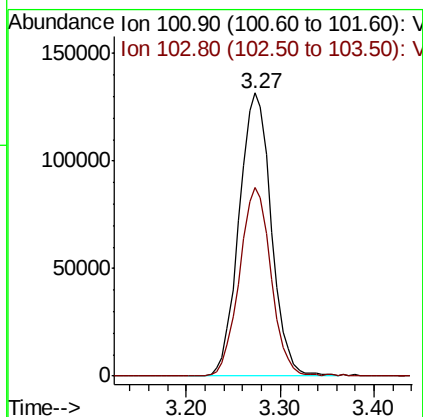
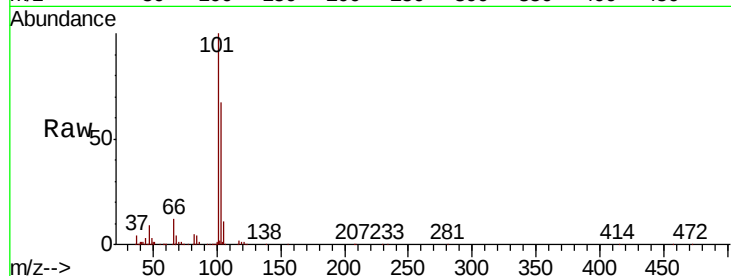


#7

Trichlorofluoromethane
Concen: 55.610 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampleId :

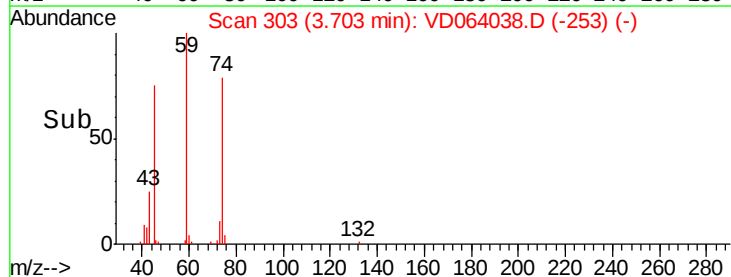
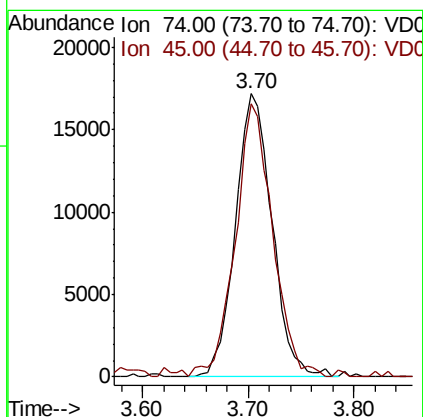
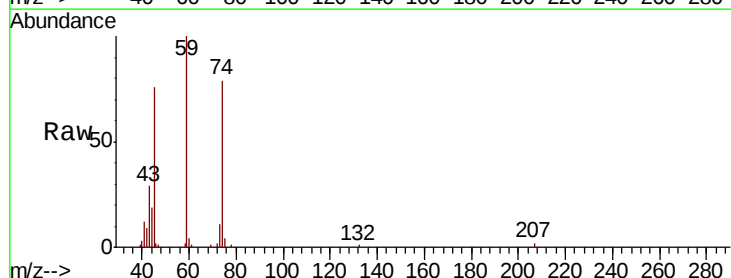
Tot Ion:101 Resp: 312795
Ion Ratio Lower Upper
101 100
103 66.6 51.1 76.7

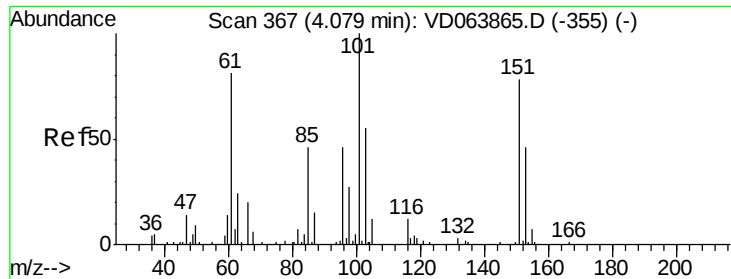


#8

Diethyl Ether
Concen: 45.662 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 74 Resp: 41225
Ion Ratio Lower Upper
74 100
45 98.4 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.615 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

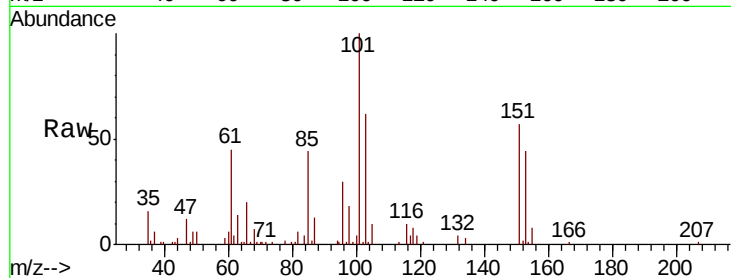
Tot Ion:101 Resp: 81922

Ion Ratio Lower Upper

101 100

85 45.4 37.5 56.3

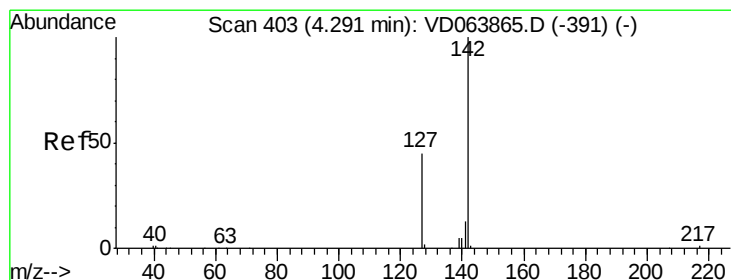
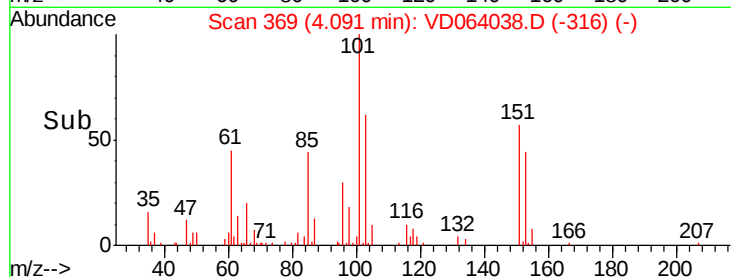
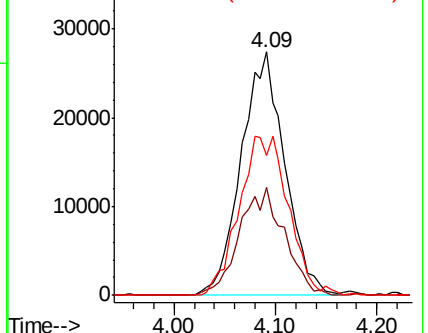
151 73.6 65.5 98.3



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: 44.272 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

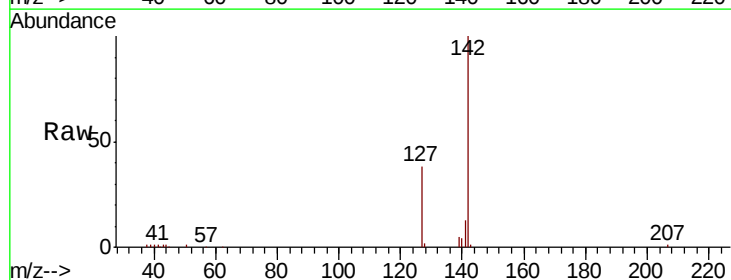
Tgt Ion:142 Resp: 94983

Ion Ratio Lower Upper

142 100

127 43.5 35.3 52.9

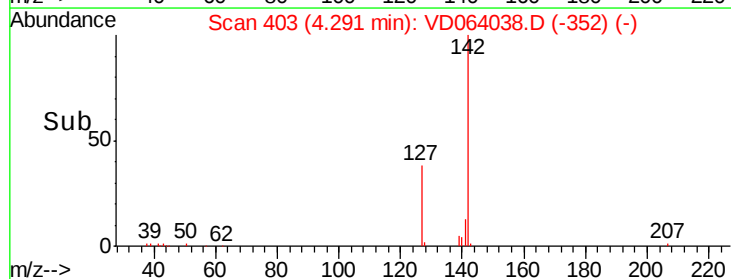
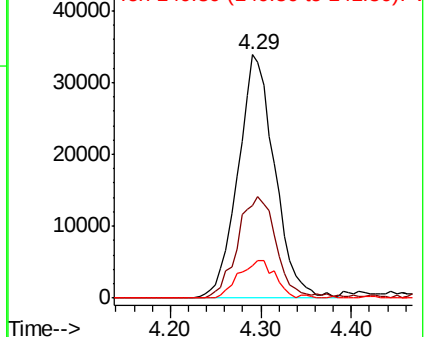
141 15.1 12.2 18.2

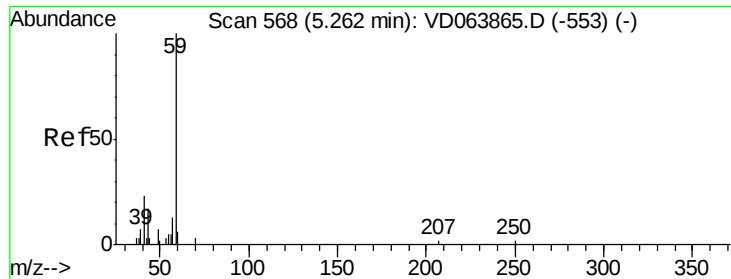


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



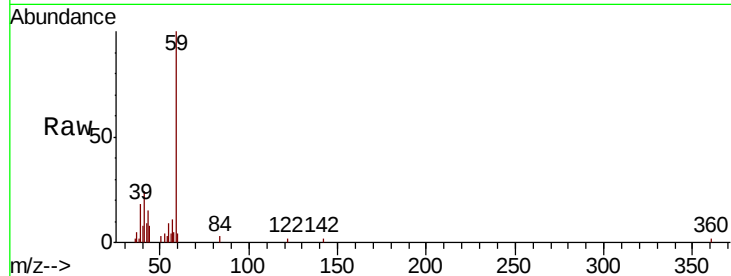


#11

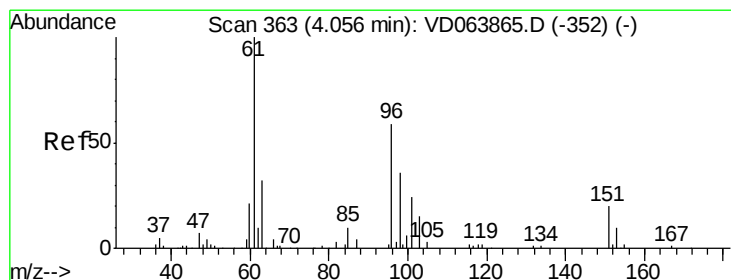
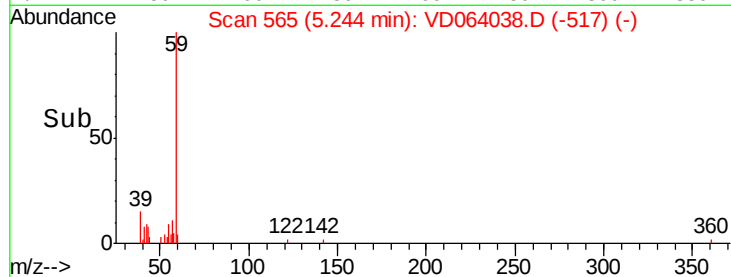
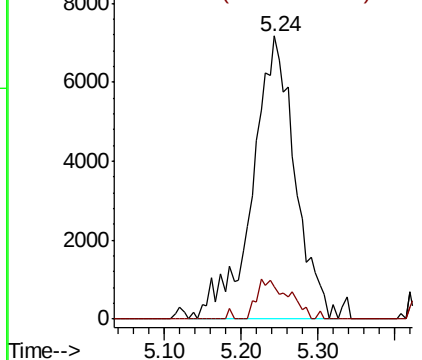
Tert butyl alcohol
 Concen: 218.835 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 27598
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.8 13.2



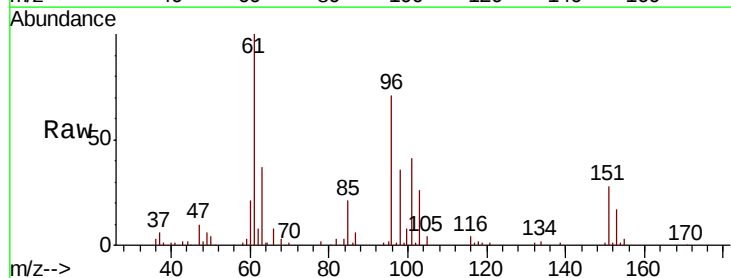
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



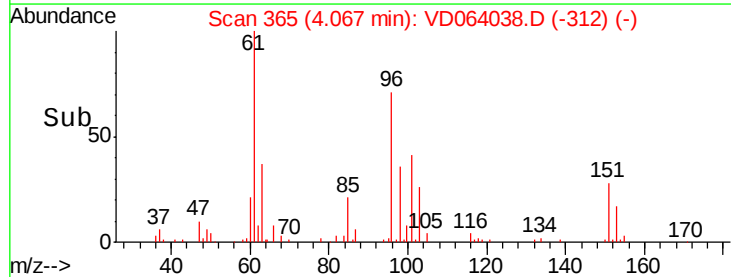
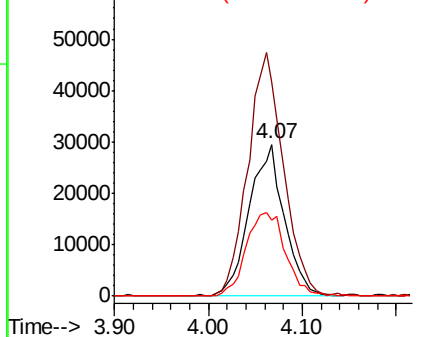
#12

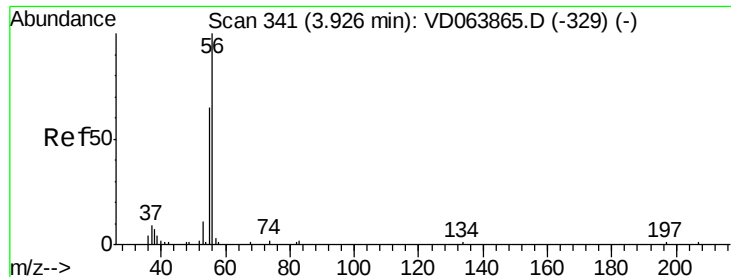
1,1-Dichloroethene
 Concen: 49.044 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 96 Resp: 76291
 Ion Ratio Lower Upper
 96 100
 61 141.3 135.6 203.4
 98 50.4 49.2 73.8



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





#13

Acrolein

Concen: 199.058 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

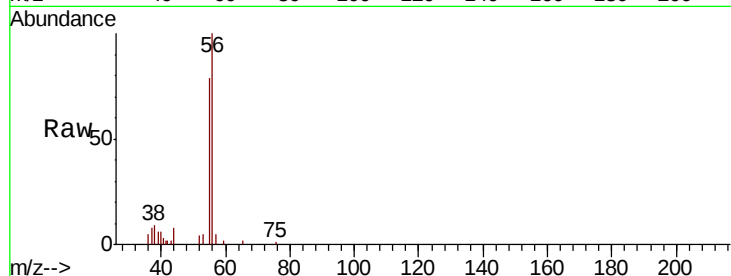
ClientSampleId :

Tot Ion: 56 Resp: 32127

Ion Ratio Lower Upper

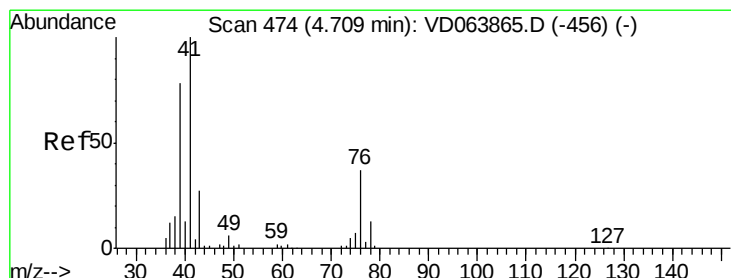
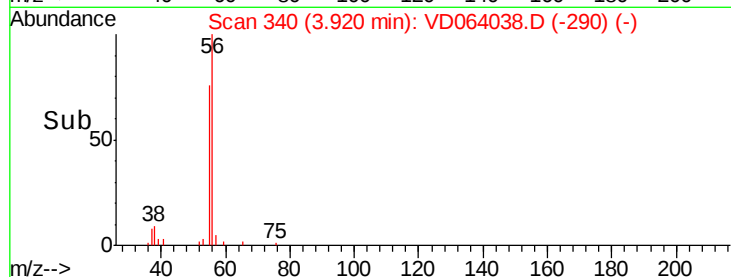
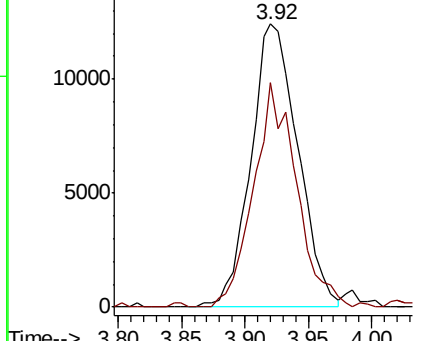
56 100

55 72.3 53.0 79.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.475 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

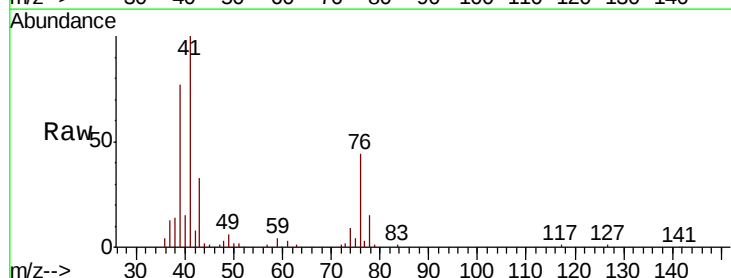
Tgt Ion: 41 Resp: 122782

Ion Ratio Lower Upper

41 100

39 77.1 61.8 92.6

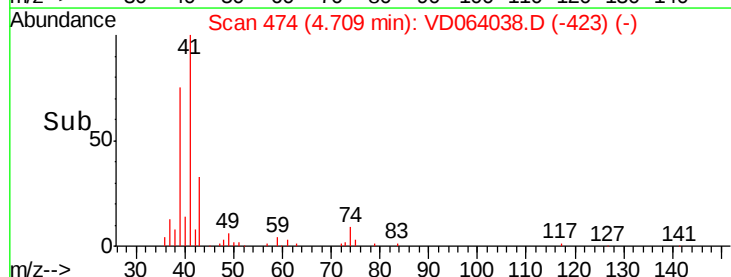
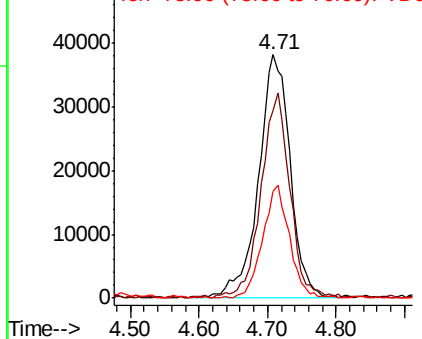
76 39.3 31.3 46.9

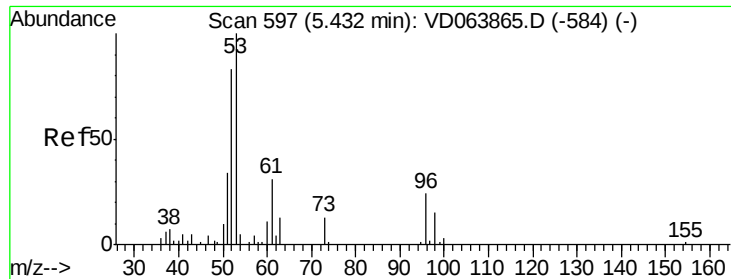


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 251.858 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

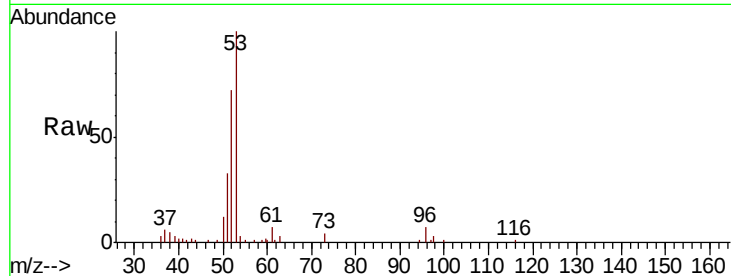
Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 53 Resp: 100250

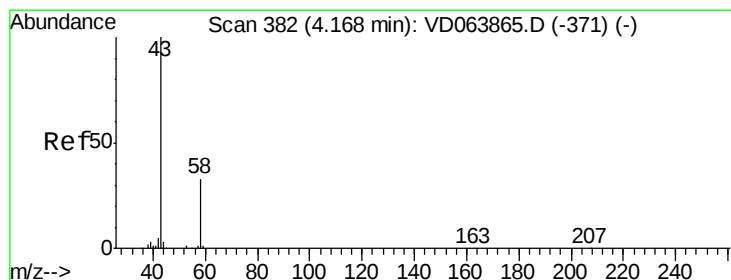
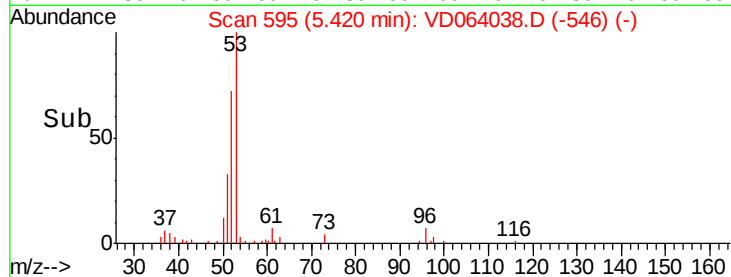
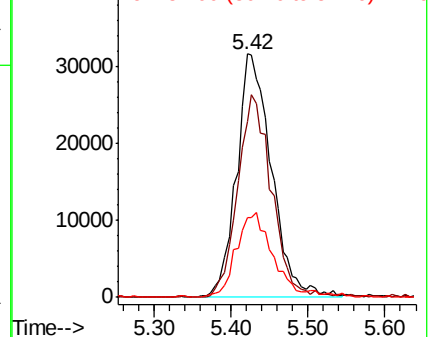
Ion	Ratio	Lower	Upper
53	100		
52	79.8	67.3	100.9
51	35.3	30.5	45.7



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: 253.102 ug/l

RT: 4.17 min Scan# 382

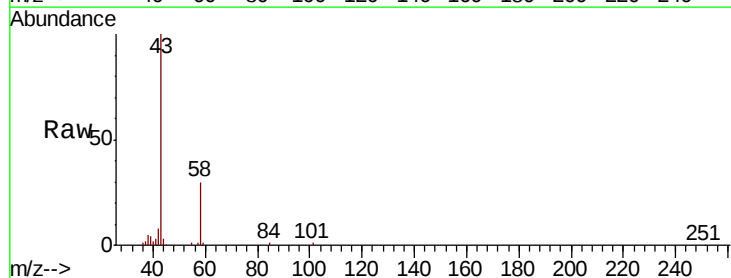
Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

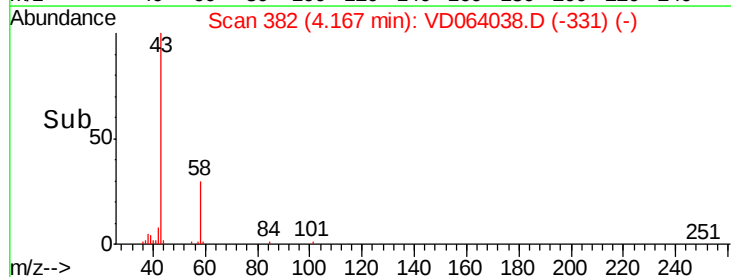
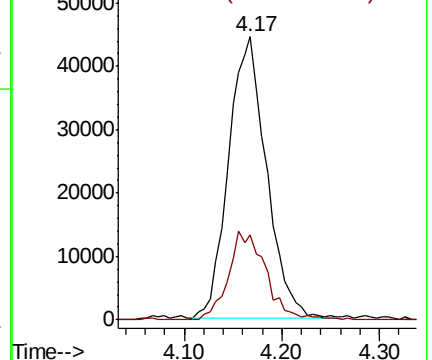
Tgt Ion: 43 Resp: 119078

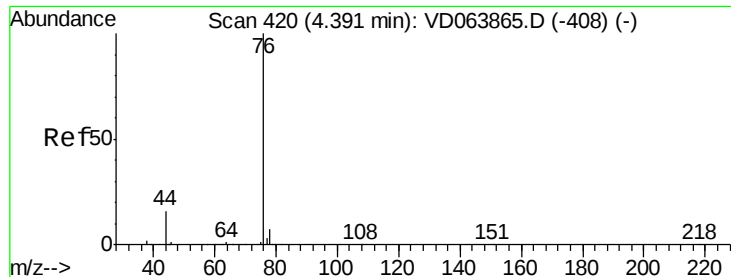
Ion	Ratio	Lower	Upper
43	100		
58	30.1	26.2	39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

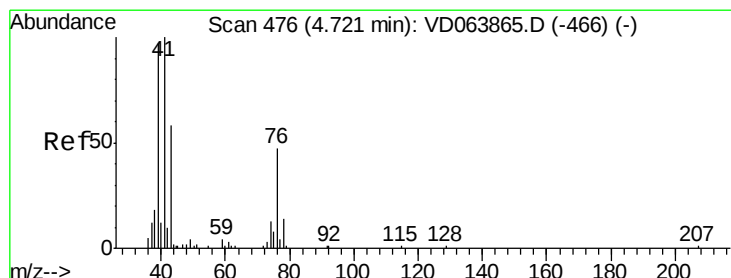
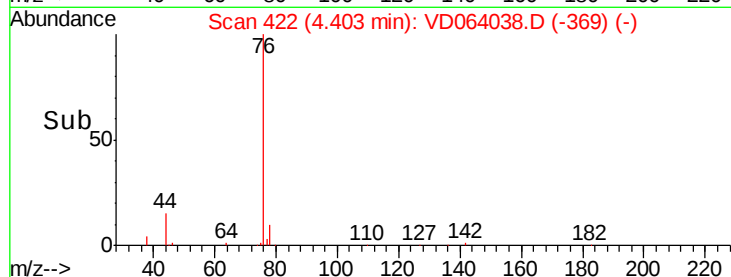
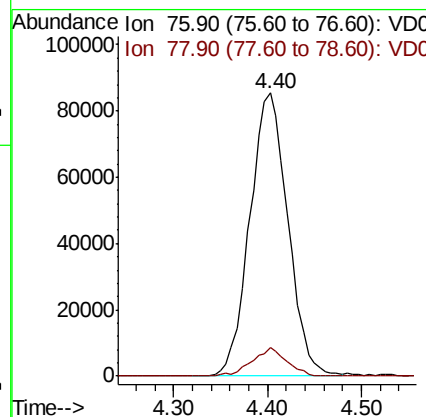
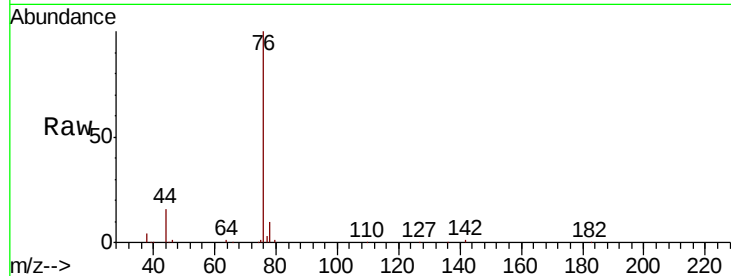




#17
Carbon Disulfide
Concen: 42.329 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

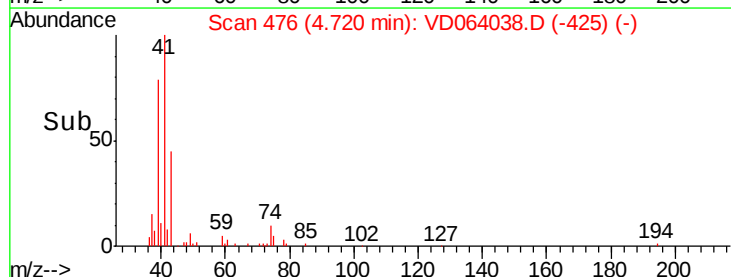
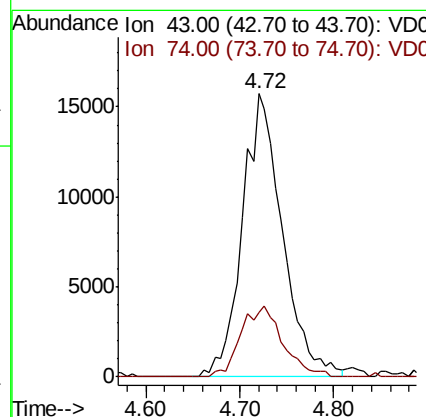
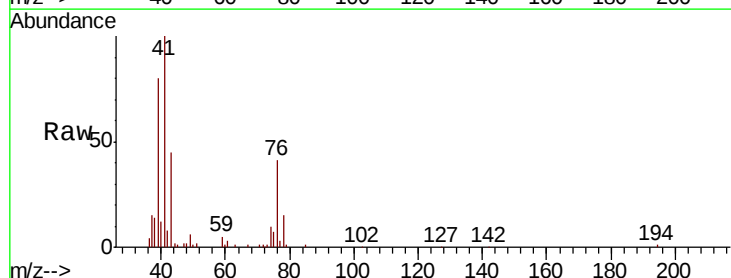
Instrument :
MSVOA_D
ClientSampleId :

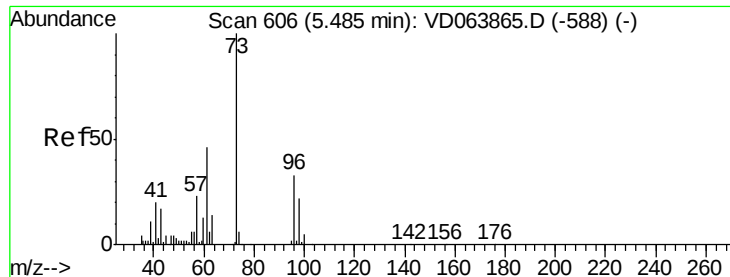
Tot Ion: 76 Resp: 239354
Ion Ratio Lower Upper
76 100
78 10.2 5.8 8.8#



#18
Methyl Acetate
Concen: 50.459 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 43 Resp: 46432
Ion Ratio Lower Upper
43 100
74 26.2 20.8 31.2



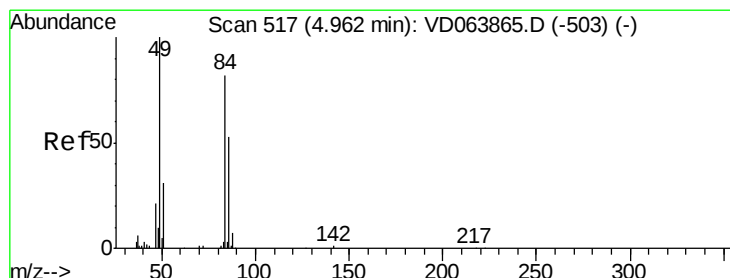
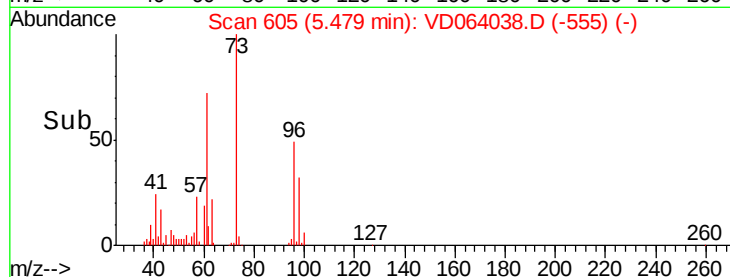
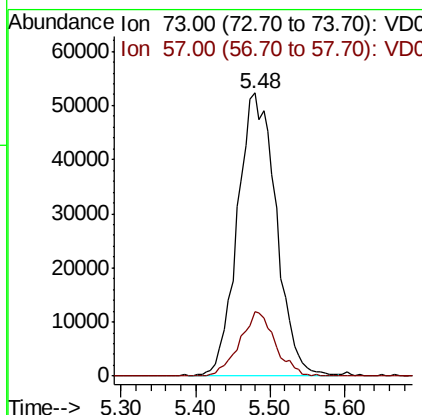
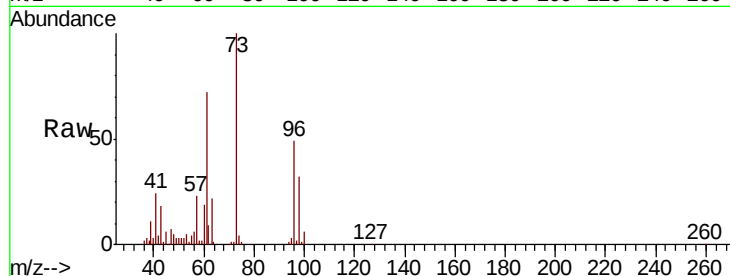


#19

Methyl tert-butyl Ether
 Concen: 46.801 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Instrument :
 MSVOA_D
 ClientSampled :

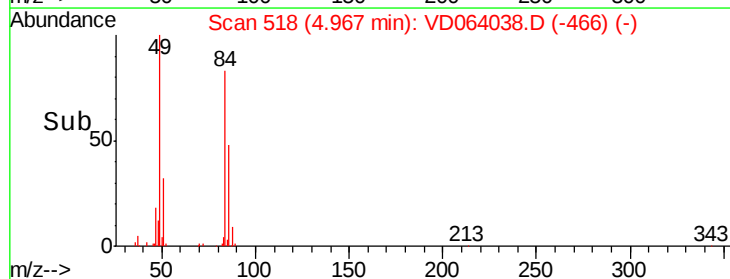
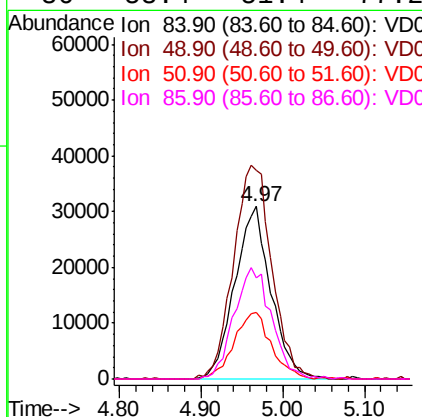
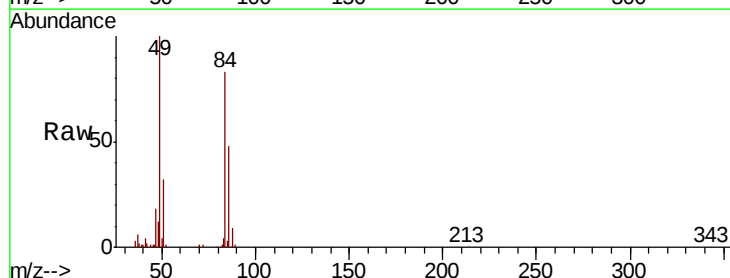
Tot Ion: 73 Resp: 188521
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.1 27.1

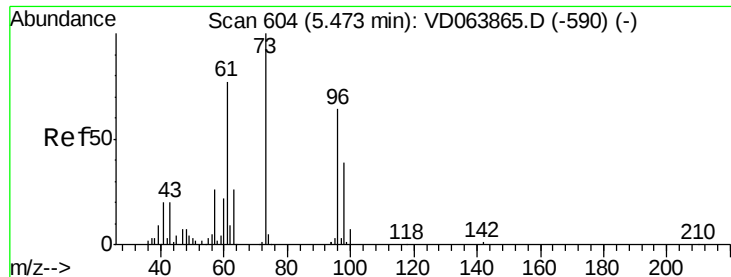


#20

Methylene Chloride
 Concen: 45.229 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 84 Resp: 95017
 Ion Ratio Lower Upper
 84 100
 49 120.8 97.3 145.9
 51 38.7 30.1 45.1
 86 58.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 47.981 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampled :

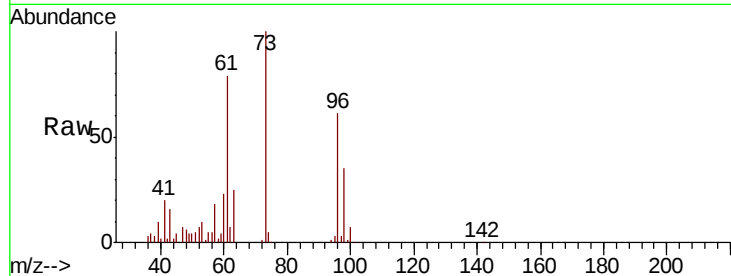
Tot Ion: 96 Resp: 92915

Ion Ratio Lower Upper

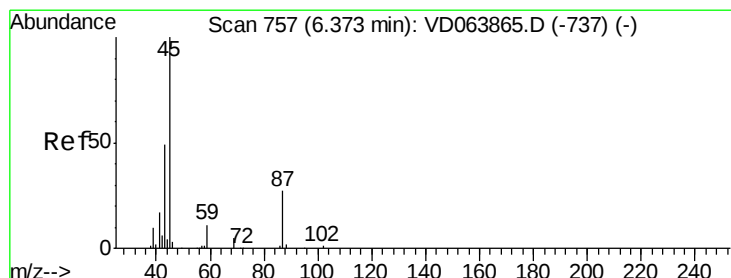
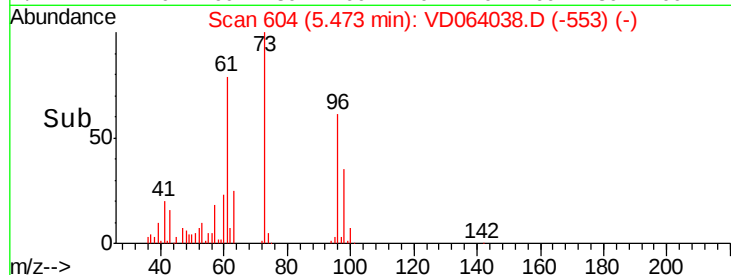
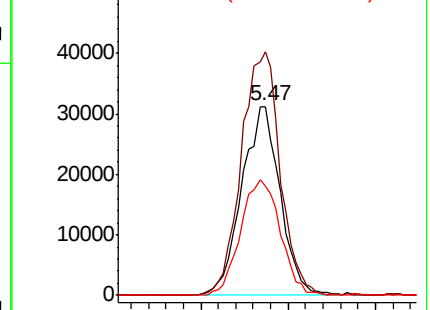
96 100

61 129.0 96.6 145.0

98 57.8 48.7 73.1



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: 47.541 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Tgt Ion: 45 Resp: 251109

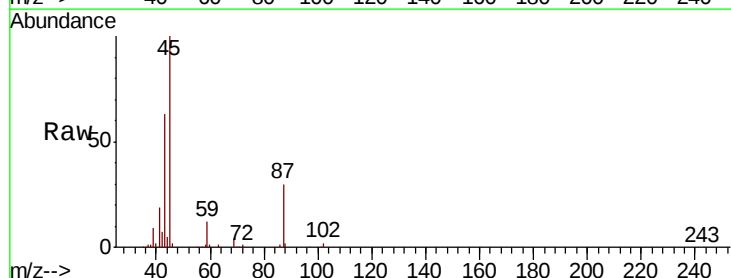
Ion Ratio Lower Upper

45 100

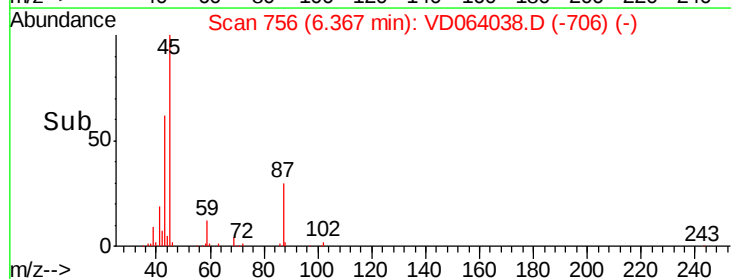
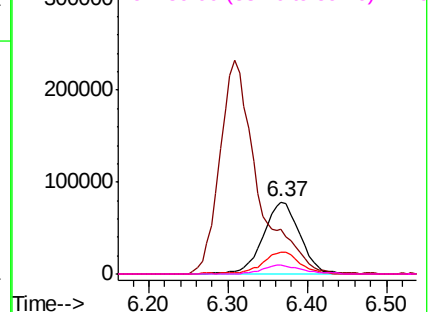
43 60.9 41.2 61.8

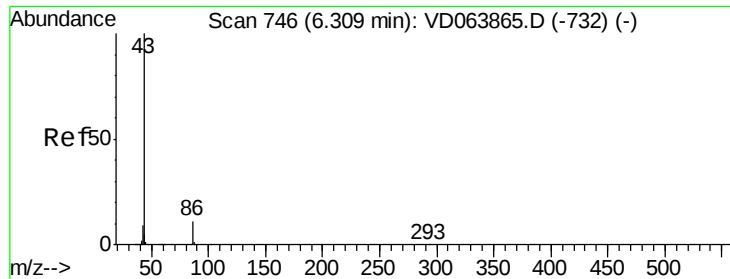
87 29.7 22.2 33.4

59 11.4 9.2 13.8



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

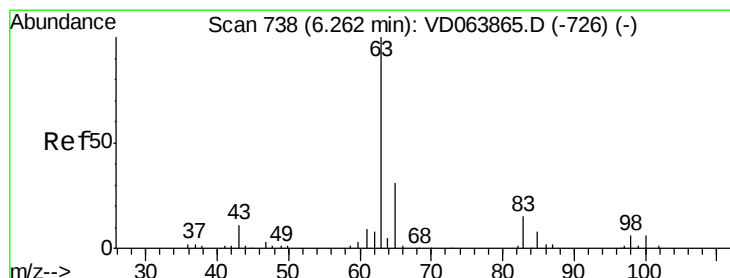
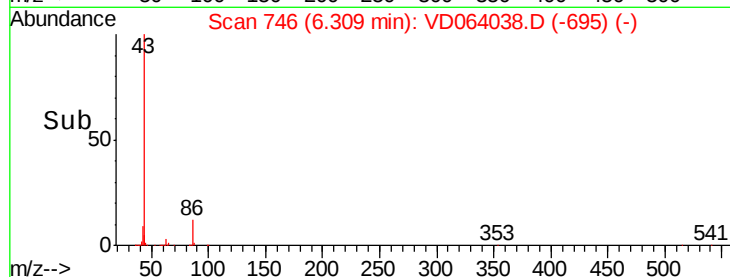
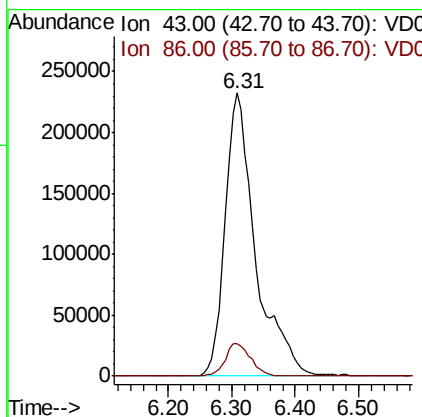
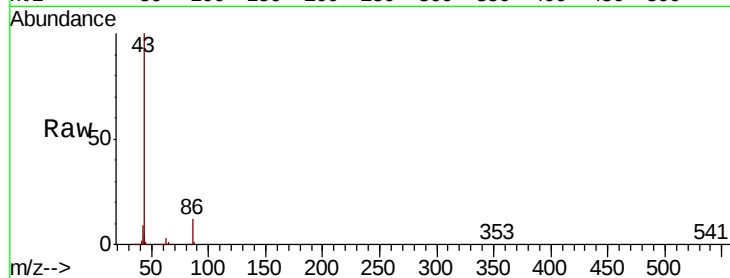




#23
 Vinyl Acetate
 Concen: 244.711 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

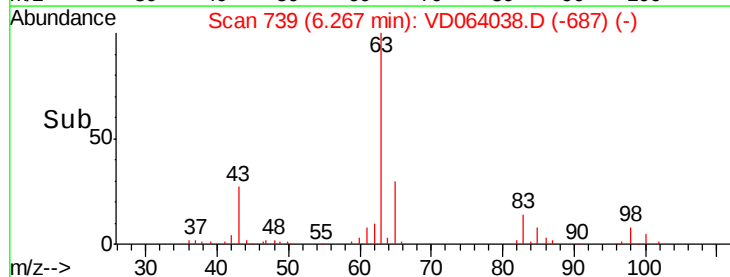
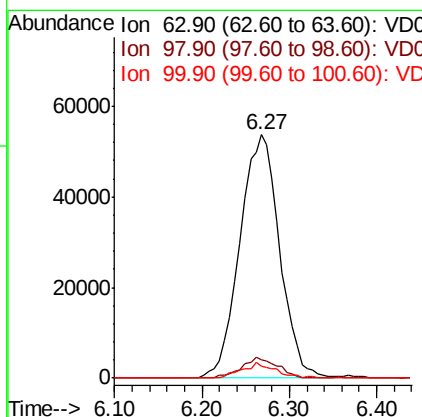
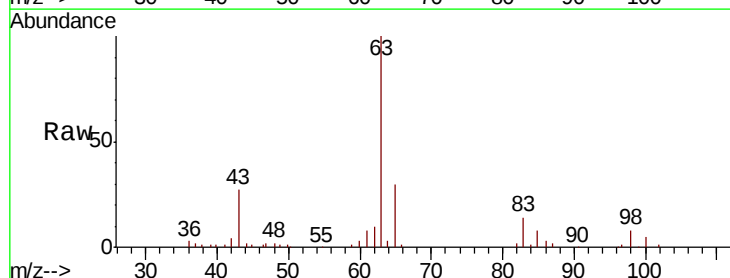
Instrument :
 MSVOA_D
 ClientSampled :

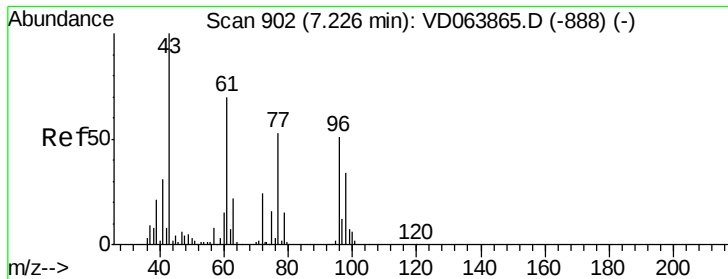
Tot Ion: 43 Resp: 768914
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.8 13.2



#24
 1,1-Dichloroethane
 Concen: 51.110 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 63 Resp: 166283
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.1 9.4
 100 4.8 3.0 9.2





#25

2-Butanone

Concen: 247.583 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

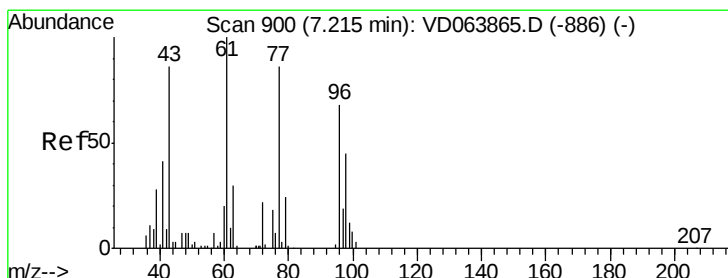
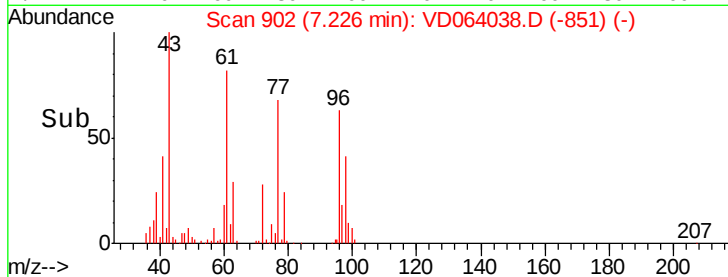
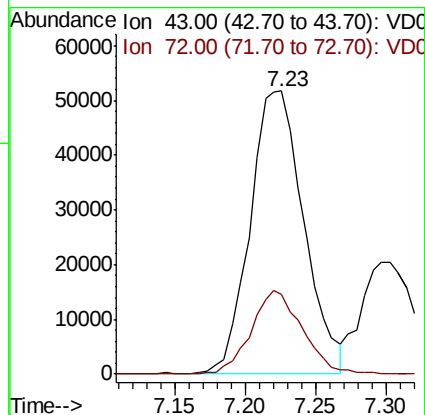
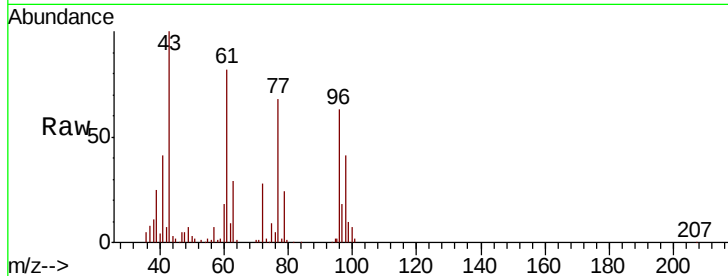
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 138043

Ion Ratio Lower Upper

43 100

72 28.6 19.2 28.8



#26

2,2-Dichloropropane

Concen: 49.538 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064038.D

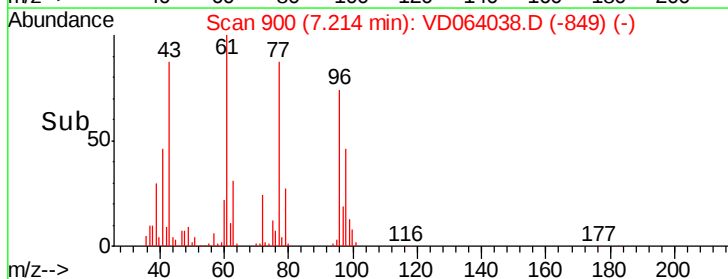
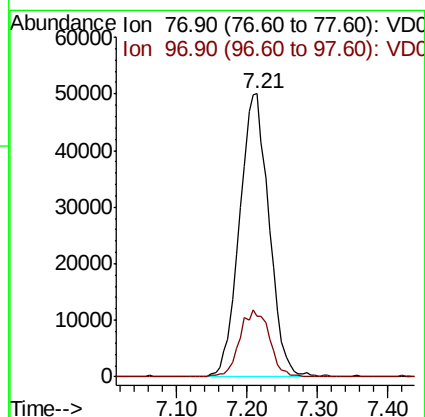
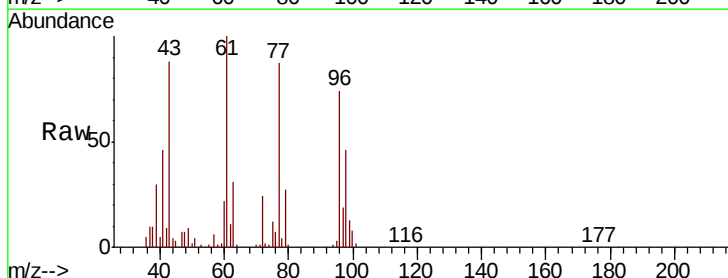
Acq: 24 Oct 2019 10:52

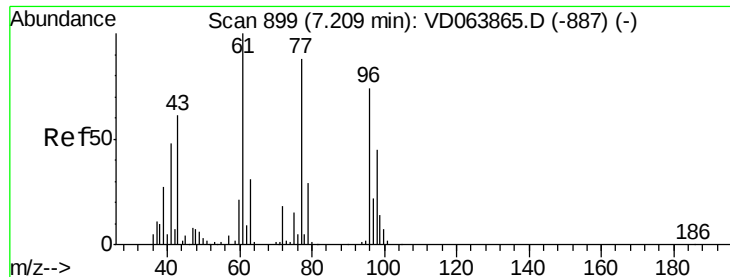
Tgt Ion: 77 Resp: 145791

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.1

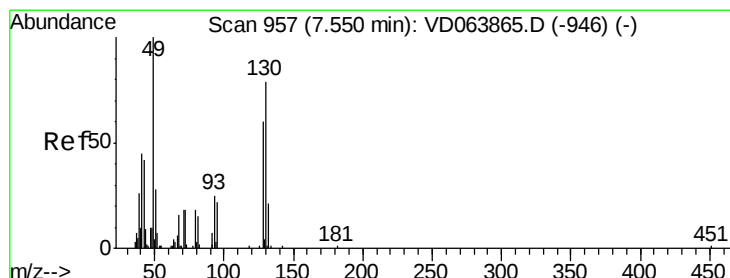
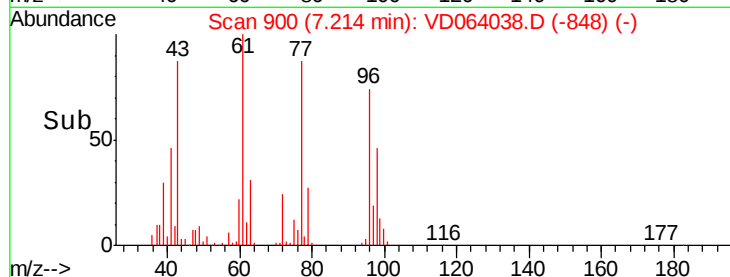
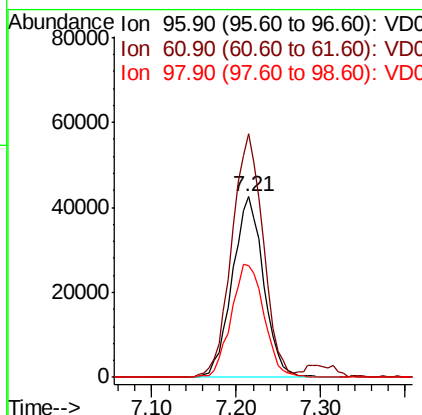
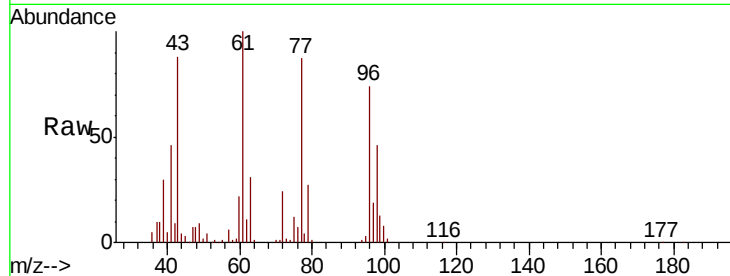




#27
 cis-1,2-Dichloroethene
 Concen: 49.608 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

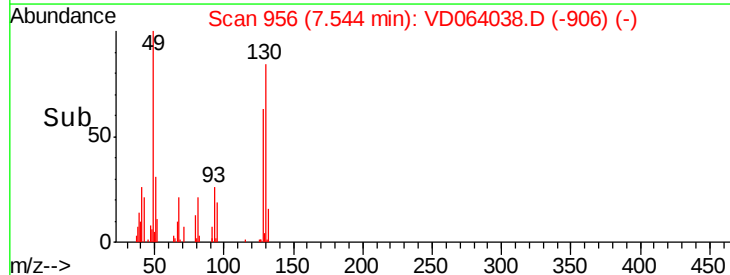
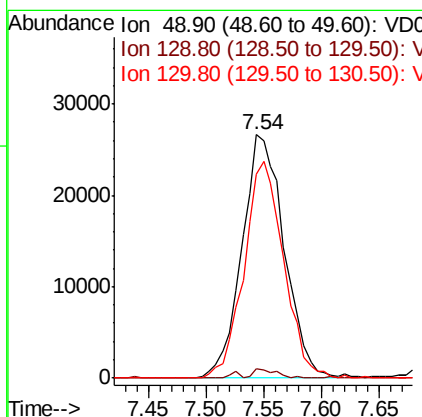
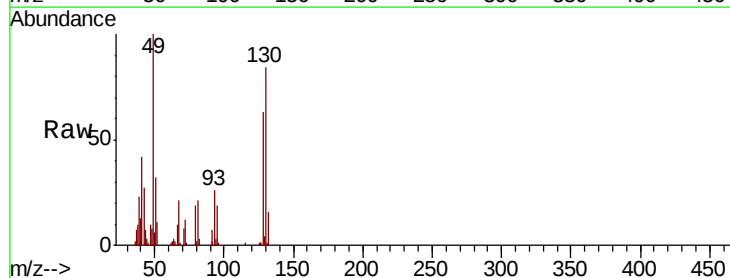
Instrument :
 MSVOA_D
 ClientSampleId :

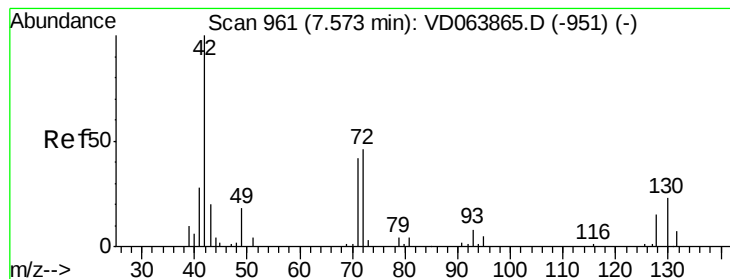
Tot Ion: 96 Resp: 108734
 Ion Ratio Lower Upper
 96 100
 61 135.3 0.0 280.0
 98 65.8 0.0 130.4



#28
 Bromochloromethane
 Concen: 54.527 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 49 Resp: 67662
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 5.6
 130 83.8 66.8 100.2





#29

Tetrahydrofuran

Concen: 227.929 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampleId :

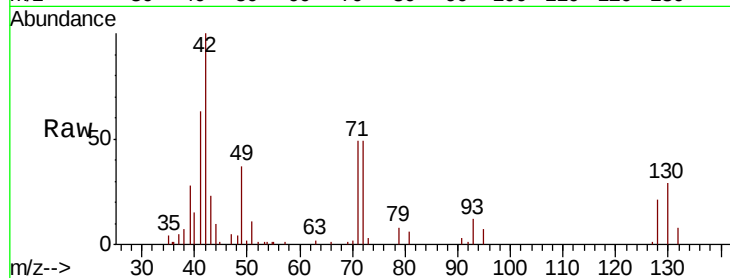
Tot Ion: 42 Resp: 74177

Ion Ratio Lower Upper

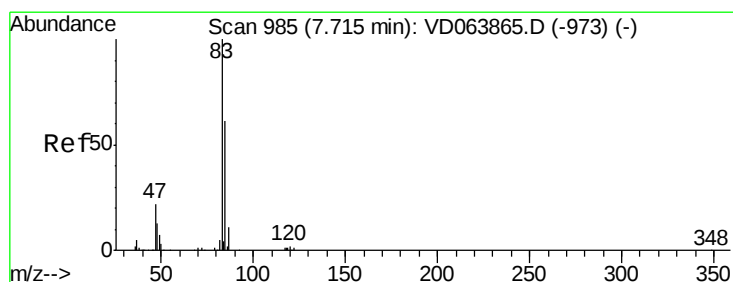
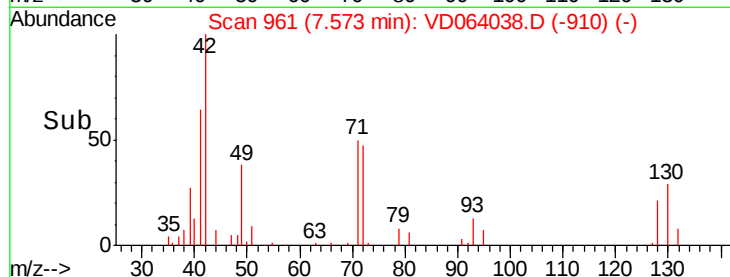
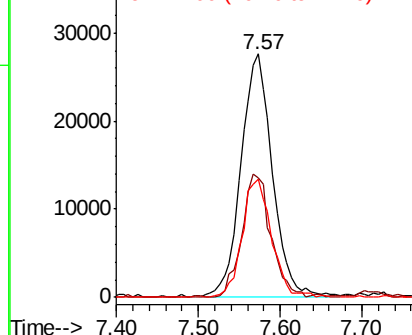
42 100

72 46.7 37.6 56.4

71 45.4 35.0 52.6



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



#30

Chloroform

Concen: 49.883 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064038.D

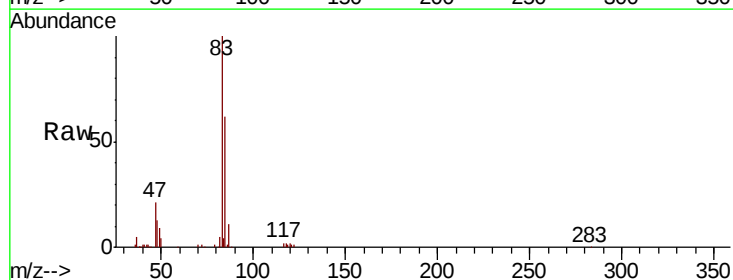
Acq: 24 Oct 2019 10:52

Tgt Ion: 83 Resp: 176267

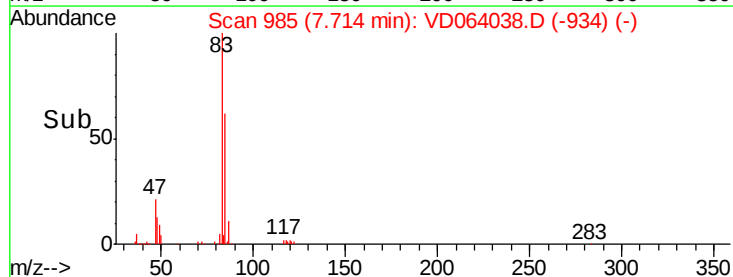
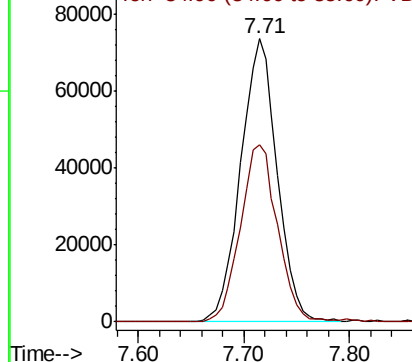
Ion Ratio Lower Upper

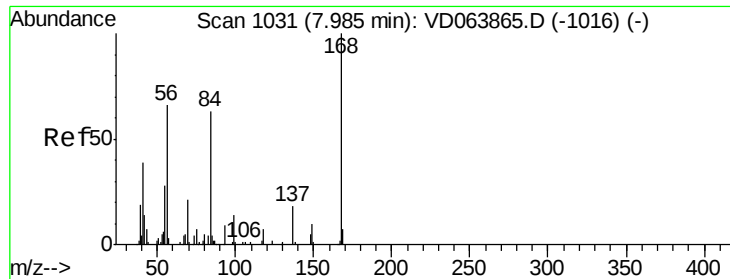
83 100

85 62.4 48.9 73.3



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

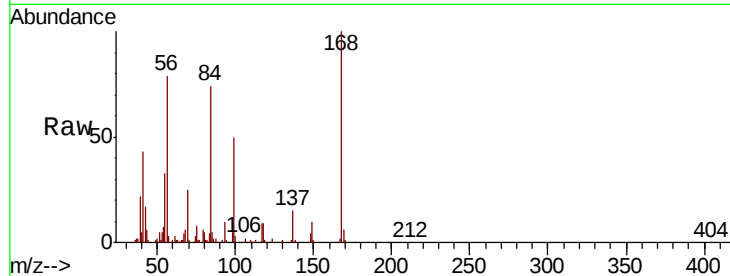




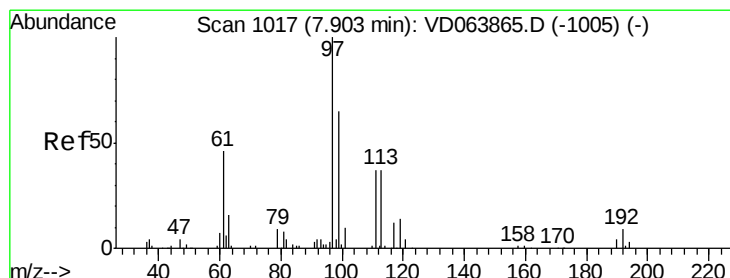
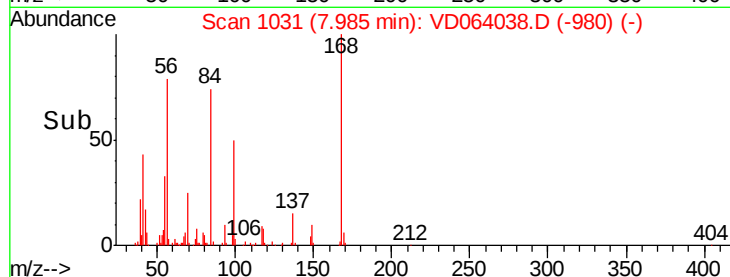
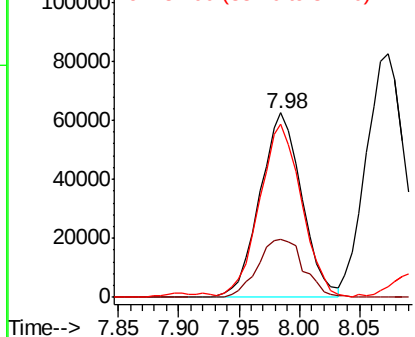
#31
Cyclohexane
Concen: 56.459 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 150481
Ion Ratio Lower Upper
56 100
69 31.1 25.0 37.4
84 92.0 76.3 114.5

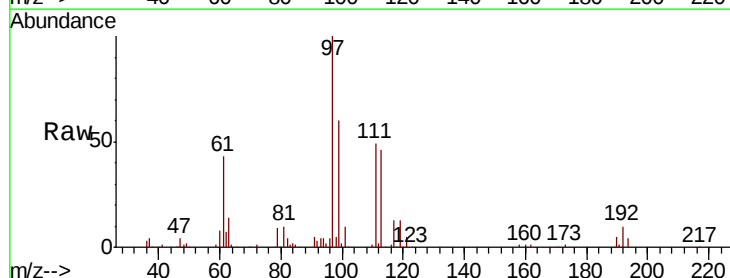


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

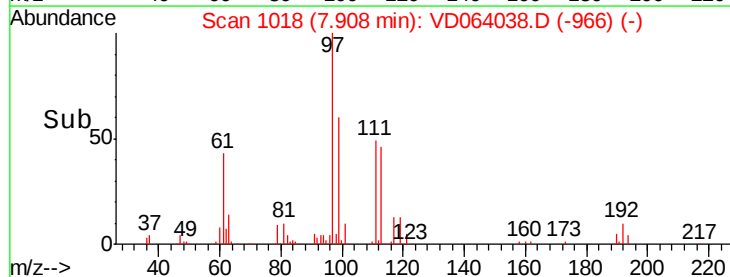
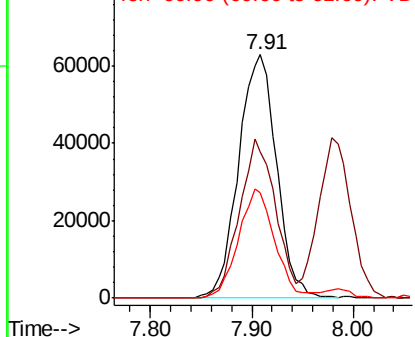


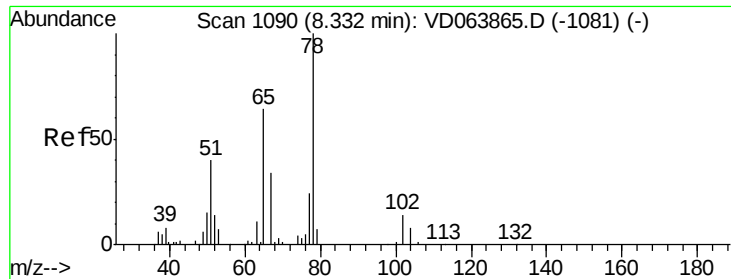
#32
1,1,1-Trichloroethane
Concen: 53.903 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 97 Resp: 163390
Ion Ratio Lower Upper
97 100
99 62.2 52.4 78.6
61 43.0 33.8 50.8



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

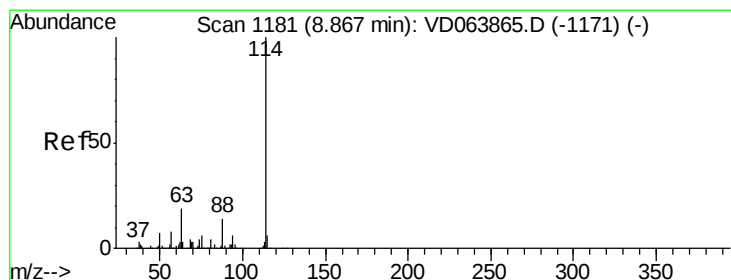
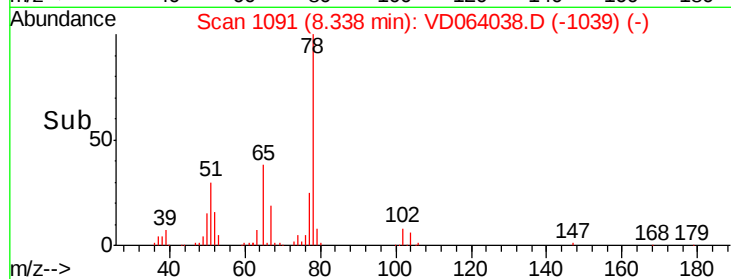
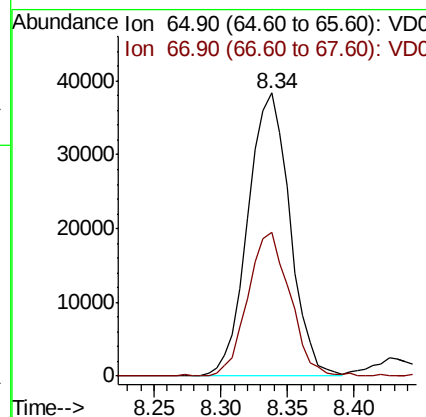
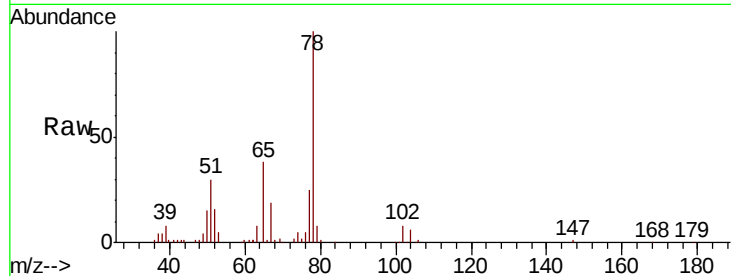




#33
 1,2-Dichloroethane-d4
 Concen: 46.287 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

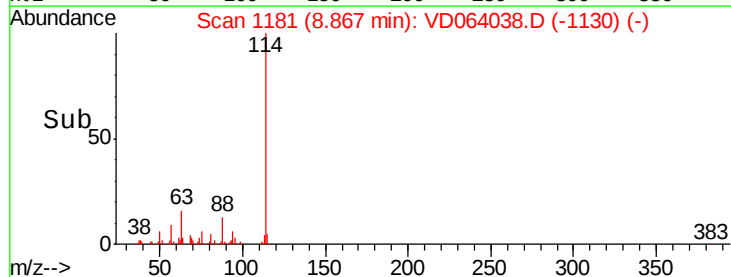
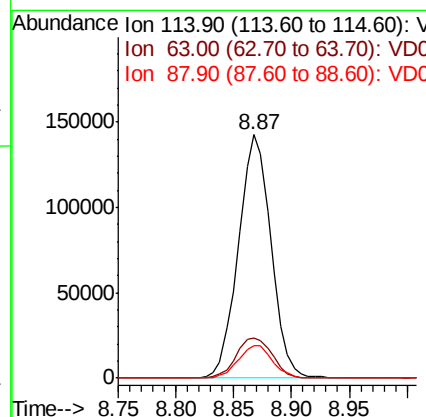
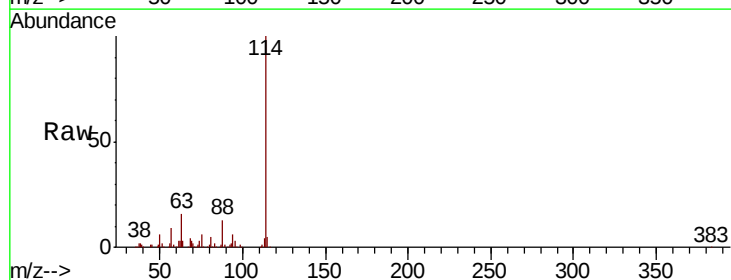
Instrument :
 MSVOA_D
 ClientSampleId :

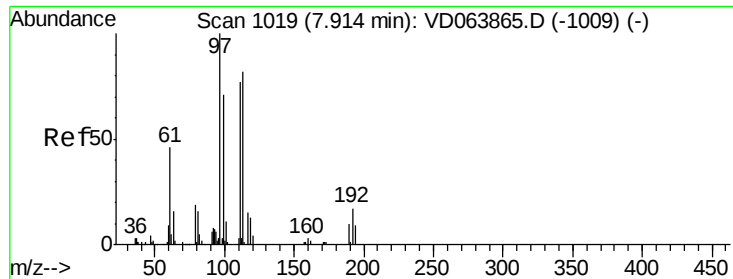
Tot Ion: 65 Resp: 83643
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 114 Resp: 279580
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 38.4
 88 13.1 0.0 27.4

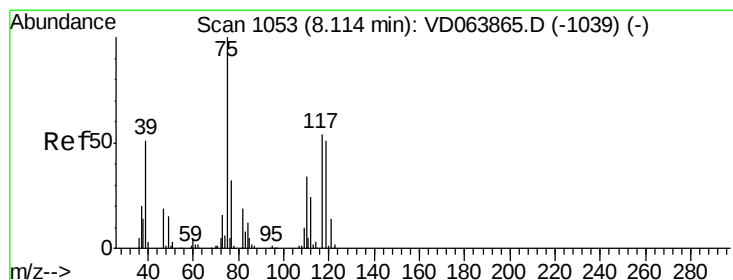
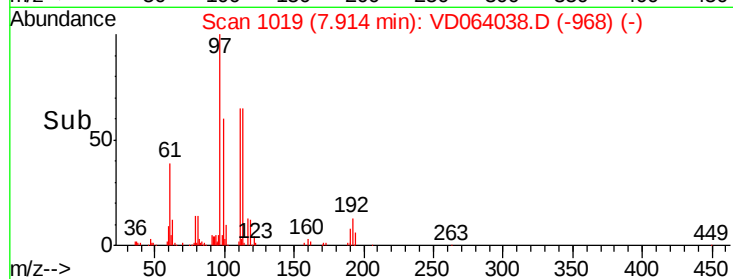
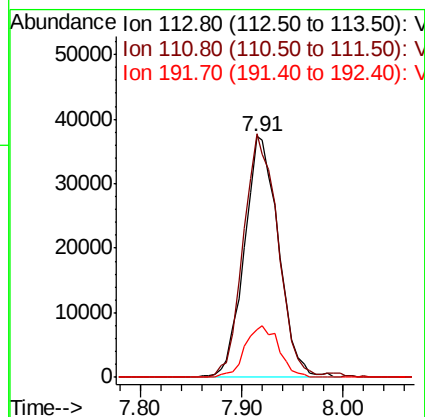
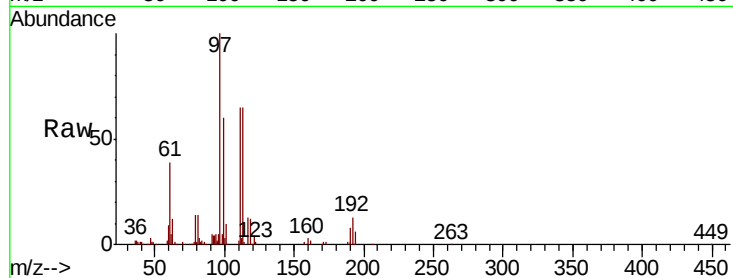




#35
 Dibromofluoromethane
 Concen: 51.418 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

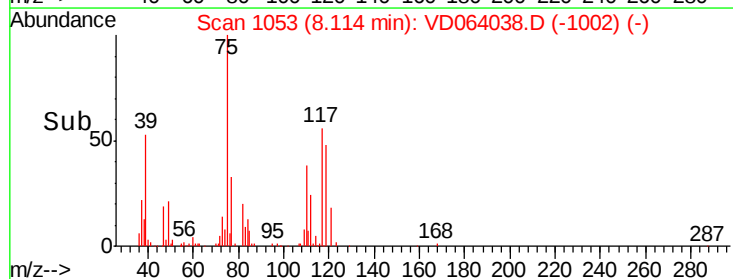
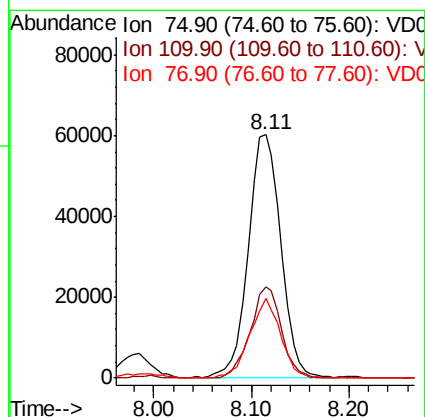
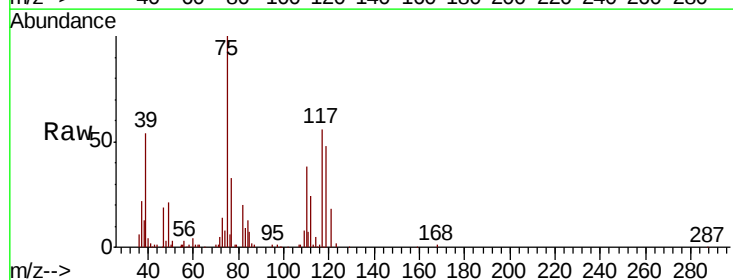
Instrument :
 MSVOA_D
 ClientSampleId :

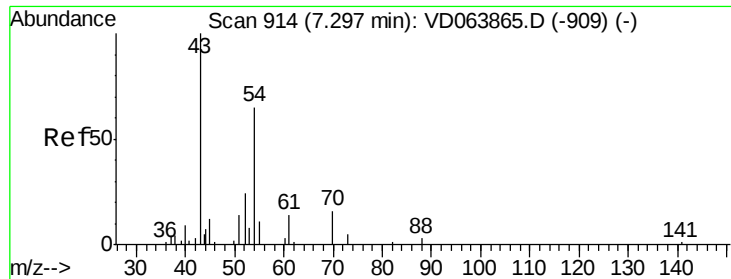
Tot Ion:113 Resp: 87853
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 55.038 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 75 Resp: 140693
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.4 52.3
 77 31.0 25.4 38.0

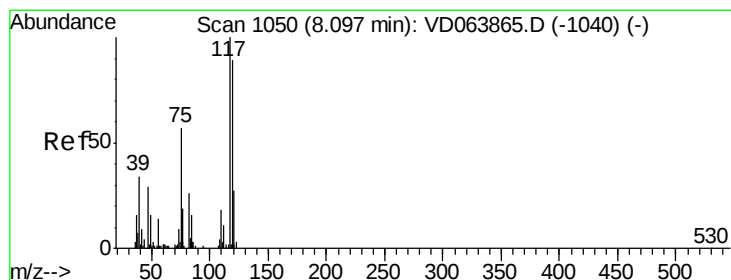
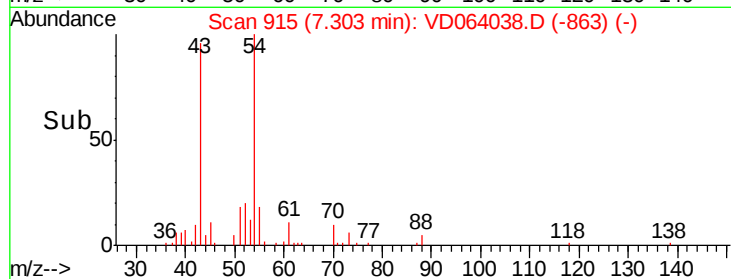
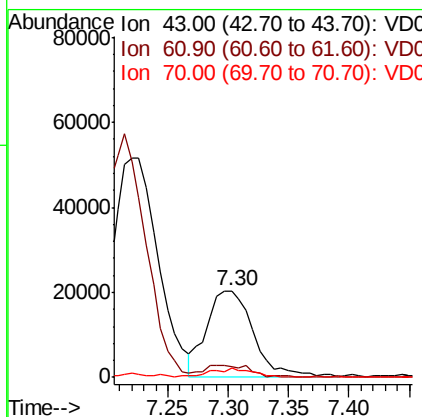
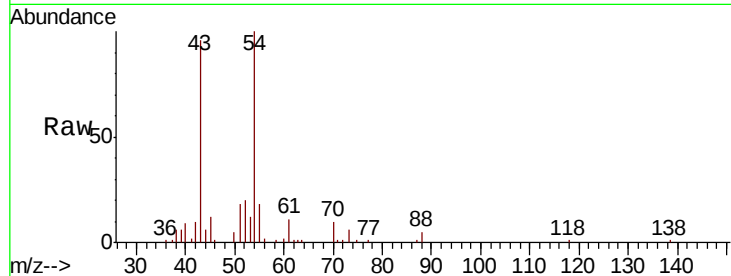




#37
Ethyl Acetate
Concen: 53.029 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

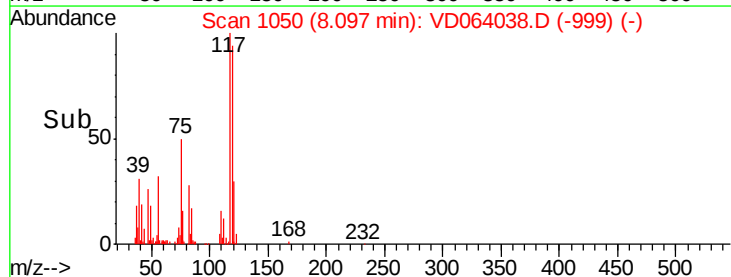
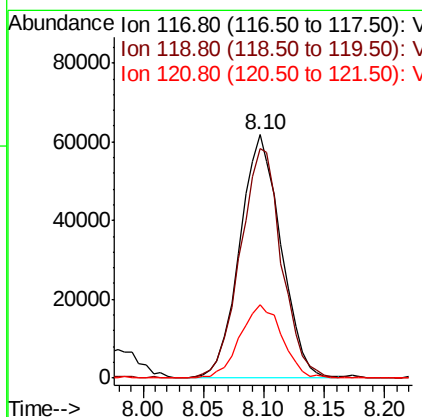
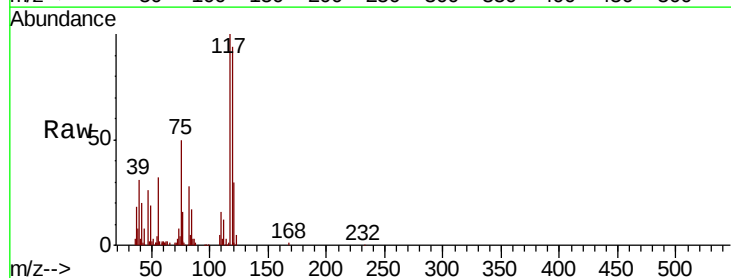
Instrument :
MSVOA_D
ClientSampleId :

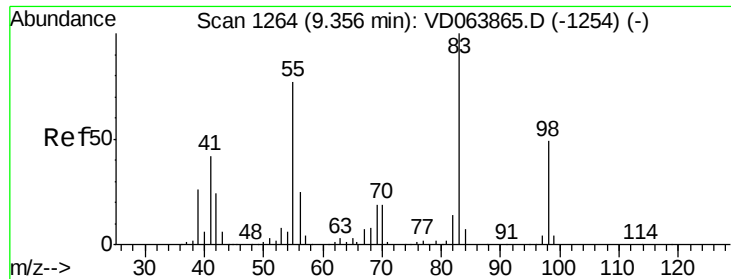
Tot Ion: 43 Resp: 54108
Ion Ratio Lower Upper
43 100
61 14.5 11.5 17.3
70 10.3 8.2 12.4



#38
Carbon Tetrachloride
Concen: 56.930 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 117 Resp: 147061
Ion Ratio Lower Upper
117 100
119 94.0 70.8 106.2
121 30.2 21.4 32.0

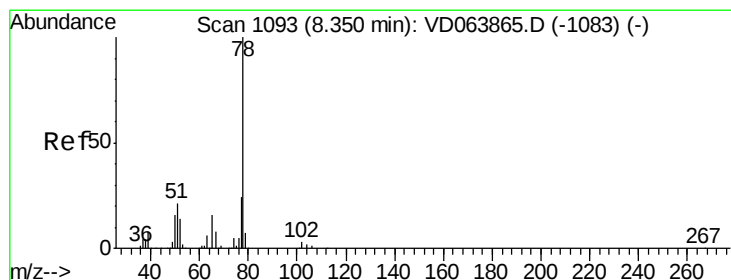
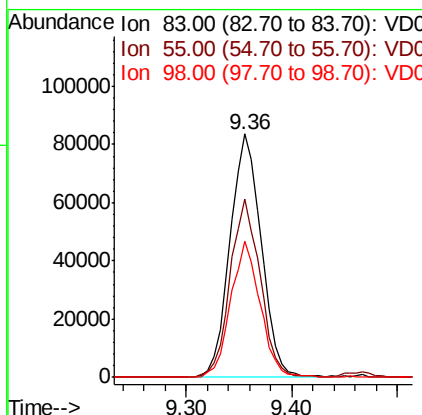
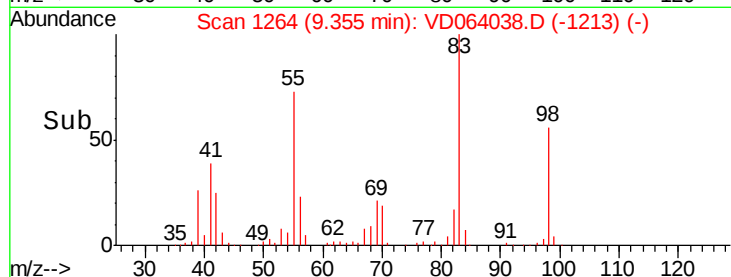
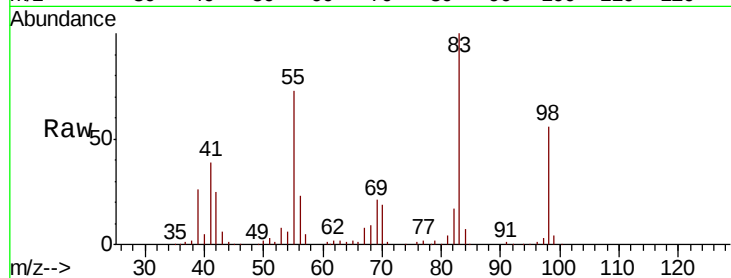




#39
Methvlcvclohexane
Concen: 54.534 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

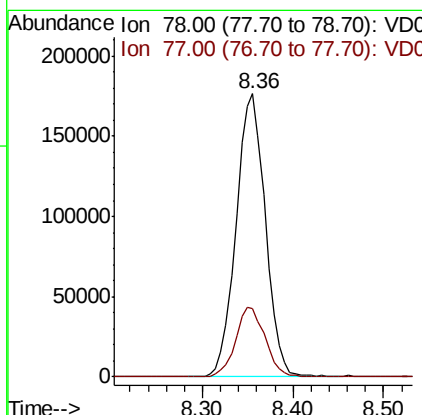
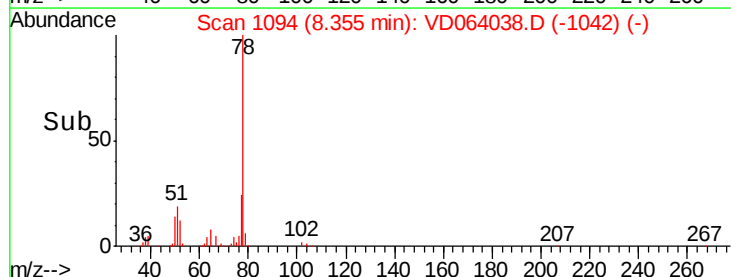
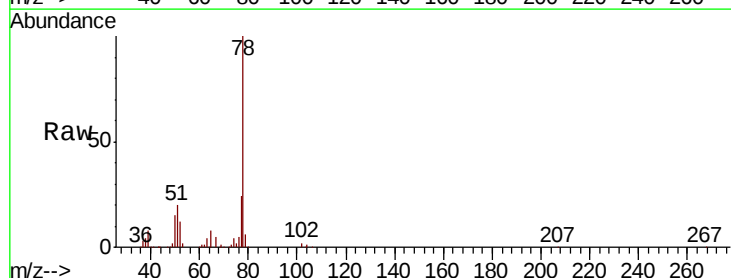
Instrument :
MSVOA_D
ClientSampled :

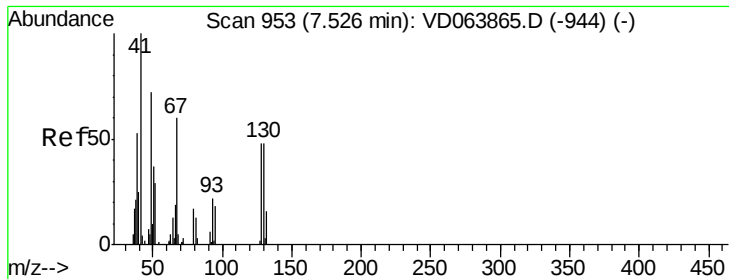
Tot Ion: 83 Resp: 171405
Ion Ratio Lower Upper
83 100
55 73.1 61.3 91.9
98 55.7 39.3 58.9



#40
Benzene
Concen: 54.092 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 78 Resp: 396251
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

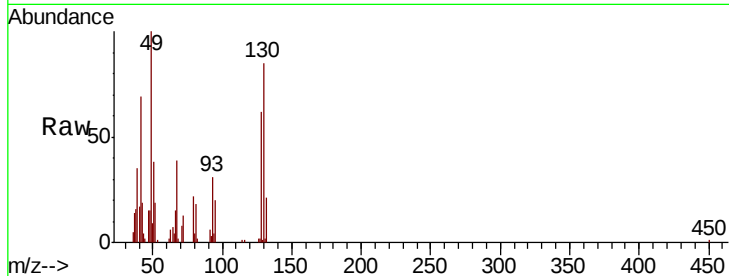




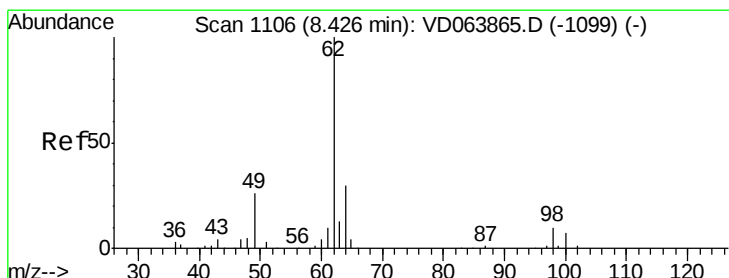
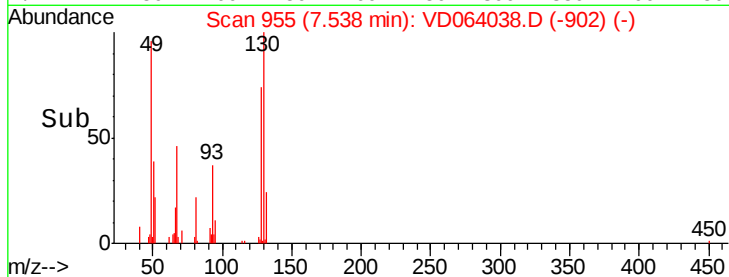
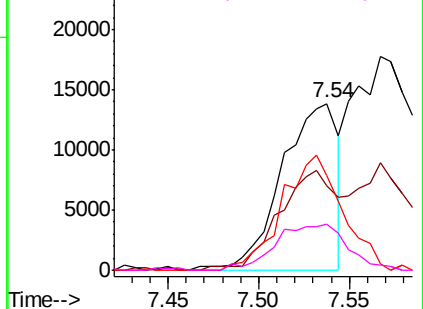
#41
Methacrylonitrile
Concen: 50.609 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 29994
Ion Ratio Lower Upper
41 100
39 59.7 52.6 78.8
67 73.9 74.2 111.2#
52 35.0 34.0 51.0

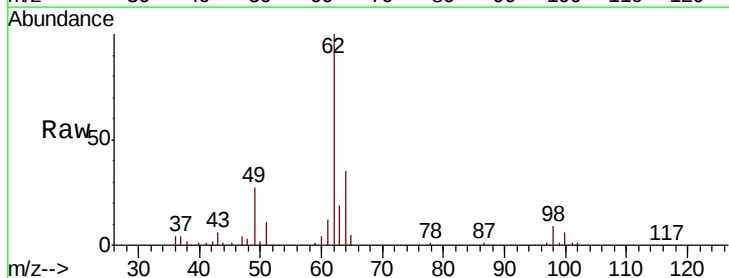


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

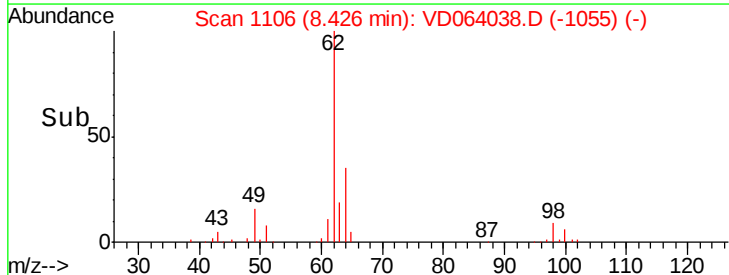
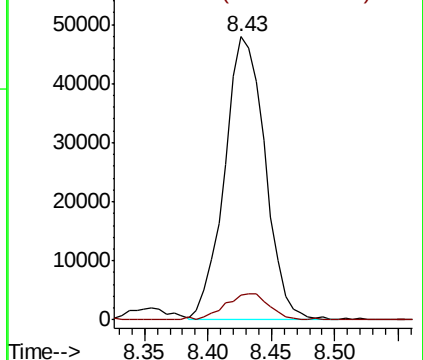


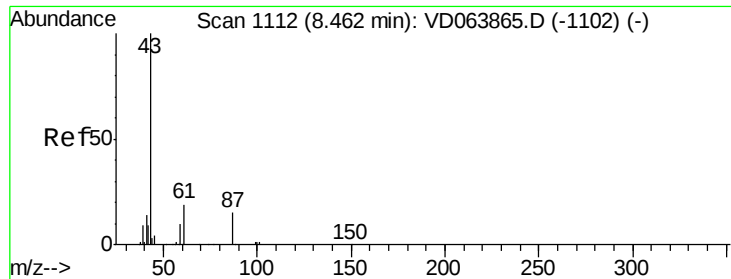
#42
1,2-Dichloroethane
Concen: 49.902 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 62 Resp: 105743
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 45.826 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

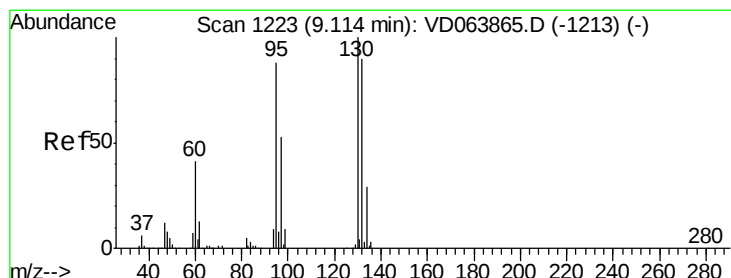
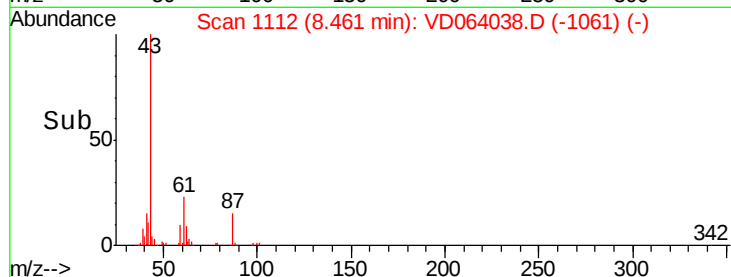
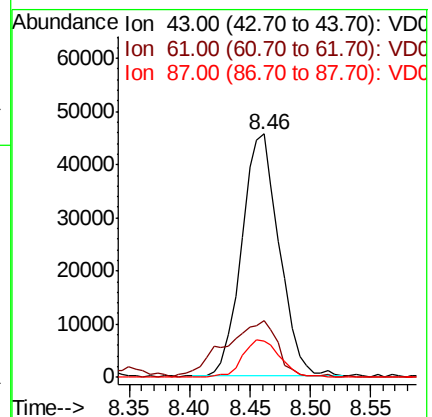
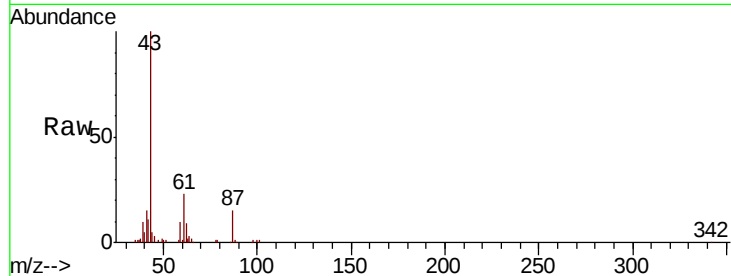
Tot Ion: 43 Resp: 98240

Ion Ratio Lower Upper

43 100

61 33.2 25.7 38.5

87 15.5 11.6 17.4



#44

Trichloroethene

Concen: 53.715 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064038.D

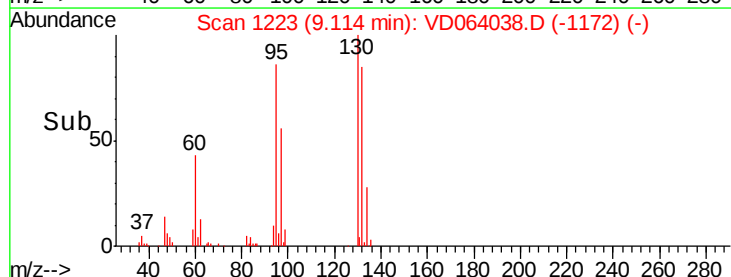
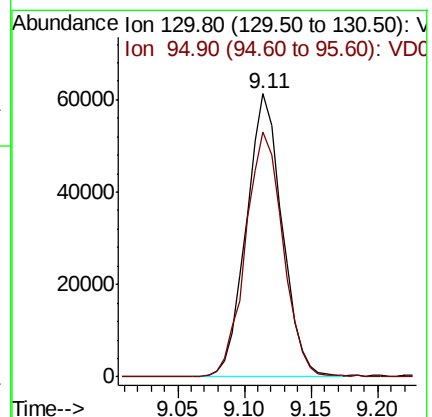
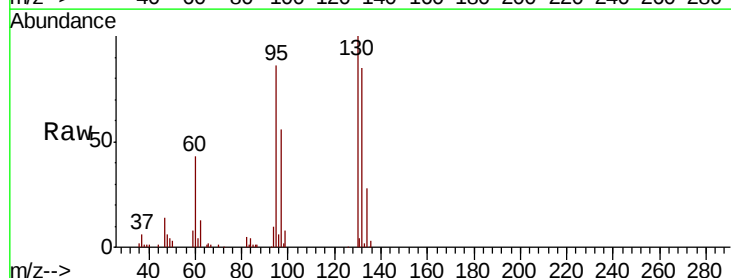
Acq: 24 Oct 2019 10:52

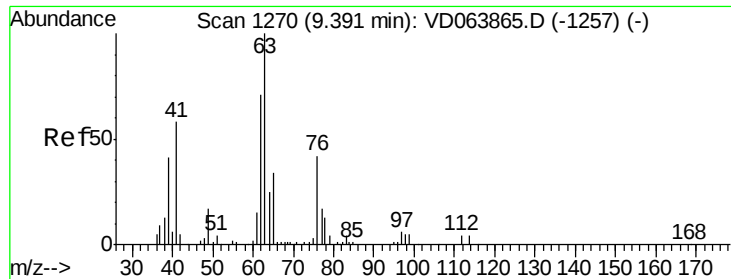
Tgt Ion: 130 Resp: 113467

Ion Ratio Lower Upper

130 100

95 86.4 0.0 175.6





#45

1,2-Dichloropropane

Concen: 53.059 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

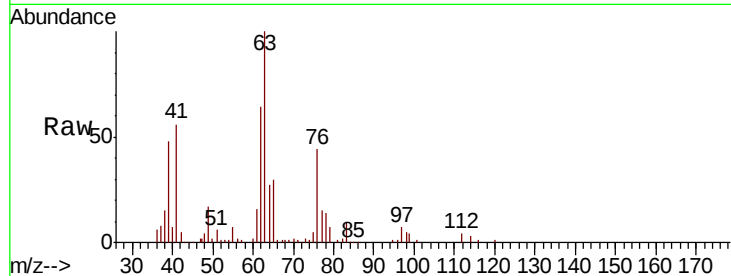
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 95137

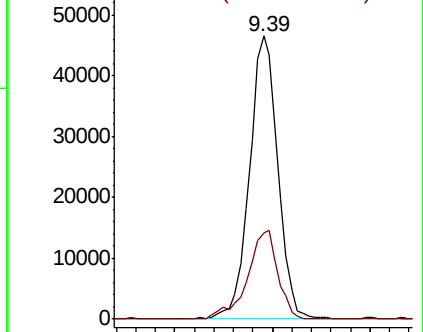
Ion Ratio Lower Upper

63 100

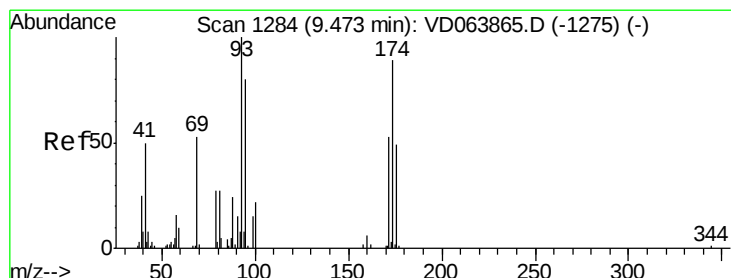
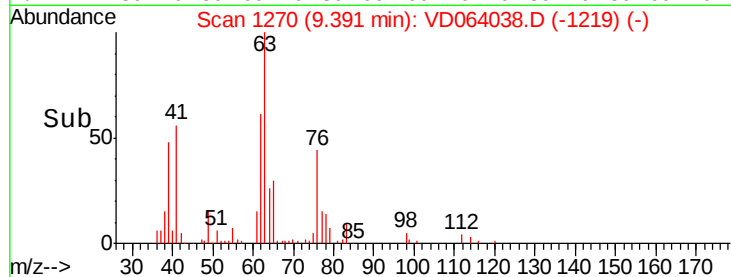
65 30.4 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC



Time-->



#46

Dibromomethane

Concen: 53.545 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

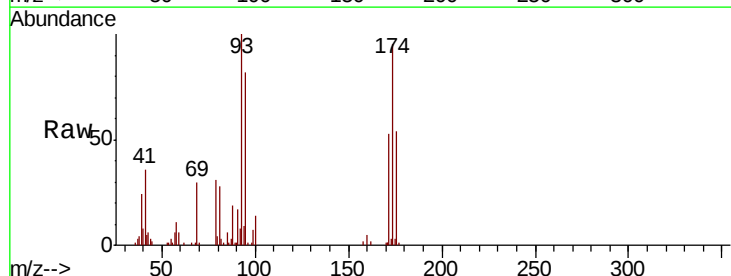
Tgt Ion: 93 Resp: 54678

Ion Ratio Lower Upper

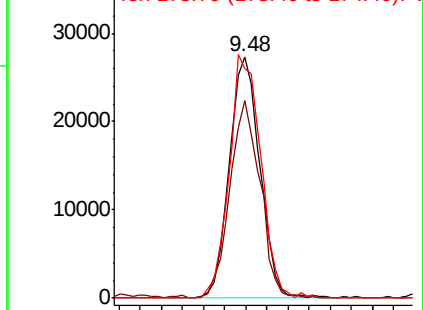
93 100

95 80.7 66.0 99.0

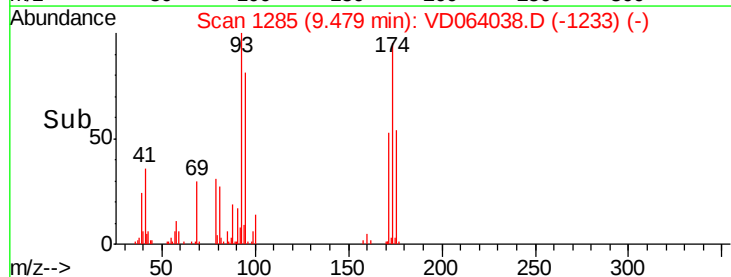
174 102.9 83.4 125.0

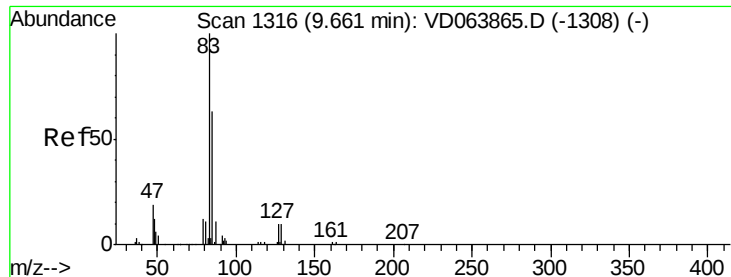


Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V



Time-->





#47

Bromodichloromethane

Concen: 52.939 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

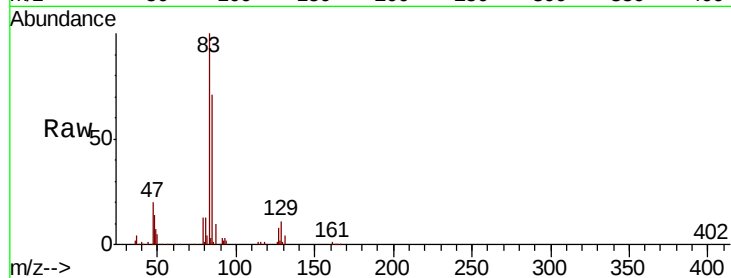
Tot Ion: 83 Resp: 139180

Ion Ratio Lower Upper

83 100

85 70.6 50.2 75.2

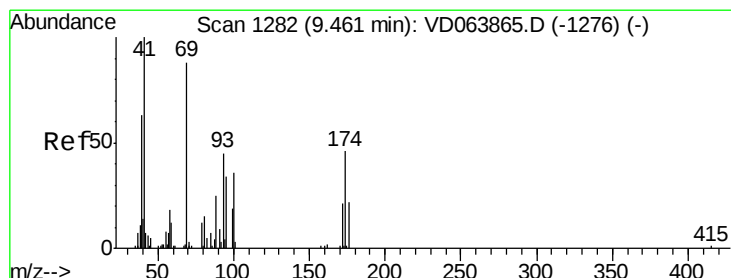
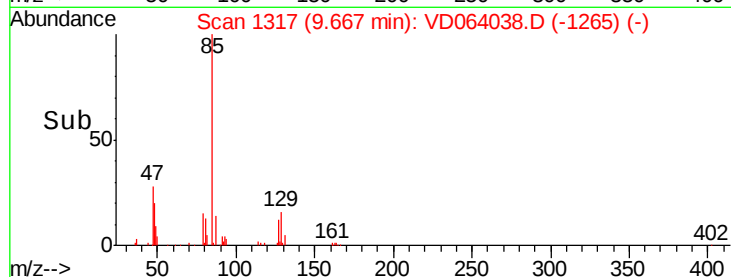
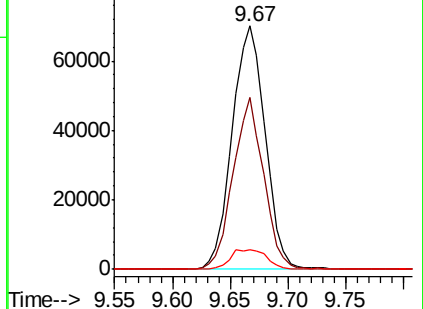
127 8.1 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 46.331 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

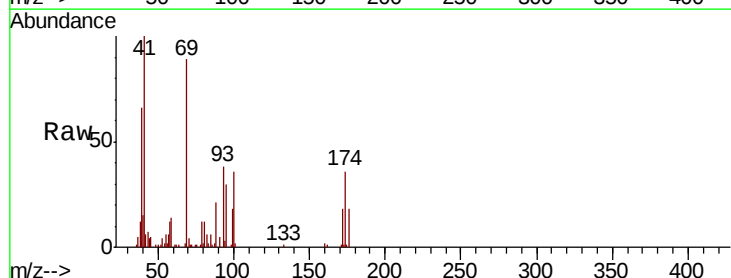
Tgt Ion: 41 Resp: 47589

Ion Ratio Lower Upper

41 100

69 98.3 75.1 112.7

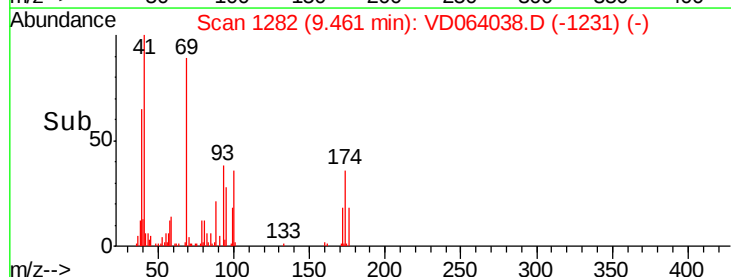
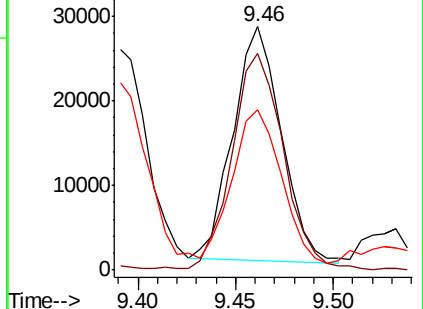
39 66.2 50.2 75.2

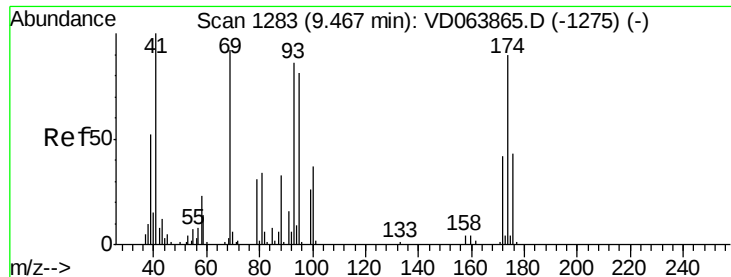


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

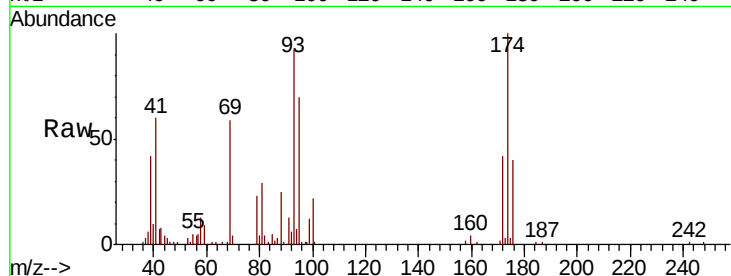




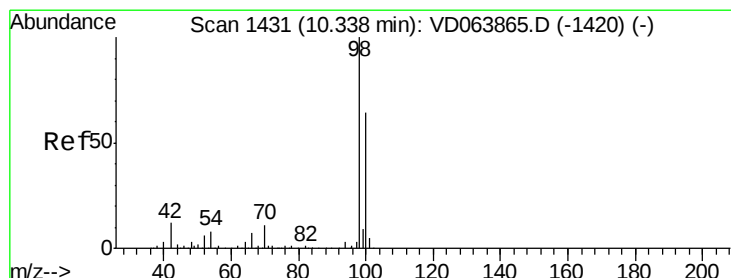
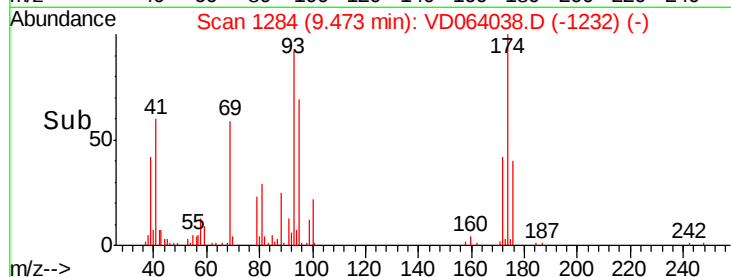
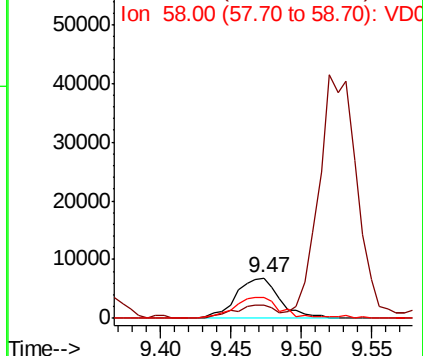
#49
1,4-Dioxane
Concen: 1065.597 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 14853
Ion Ratio Lower Upper
88 100
43 30.7 27.6 41.4
58 55.9 54.1 81.1

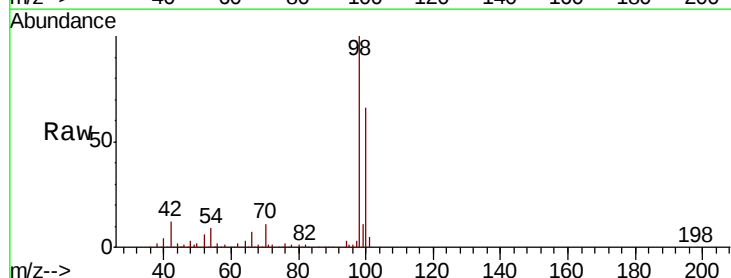


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

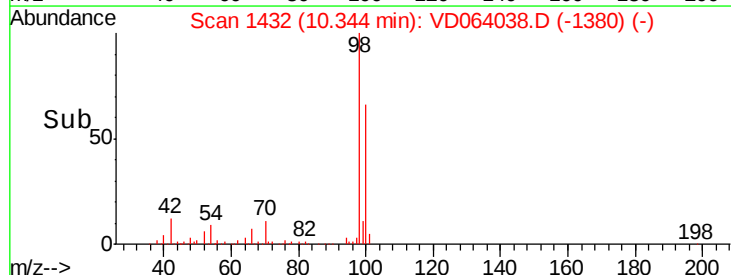
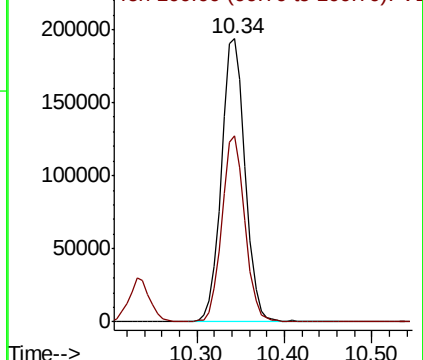


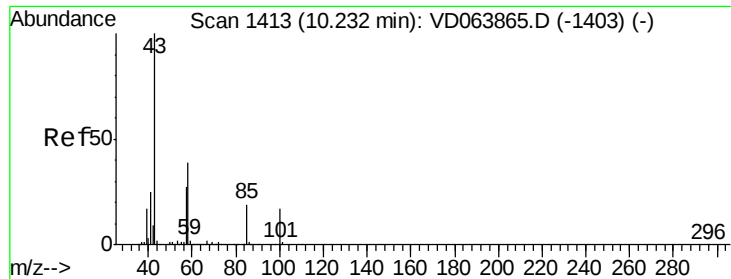
#50
Toluene-d8
Concen: 52.248 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 98 Resp: 362340
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



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

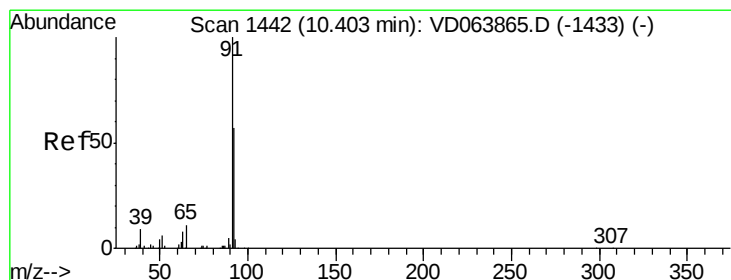
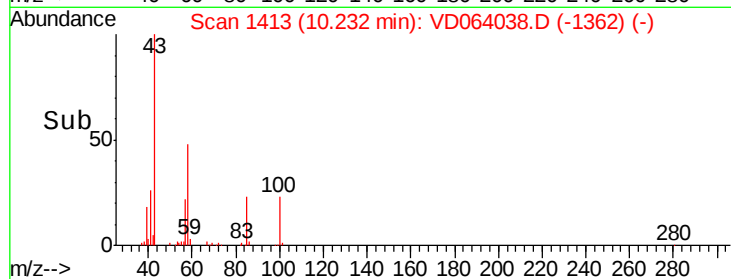
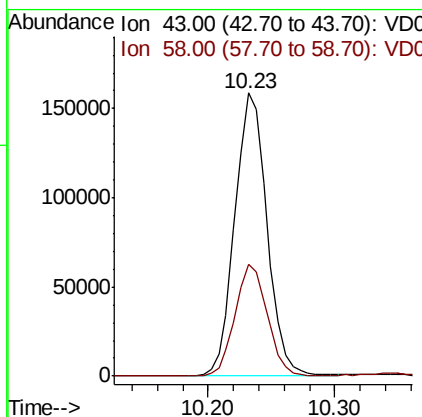
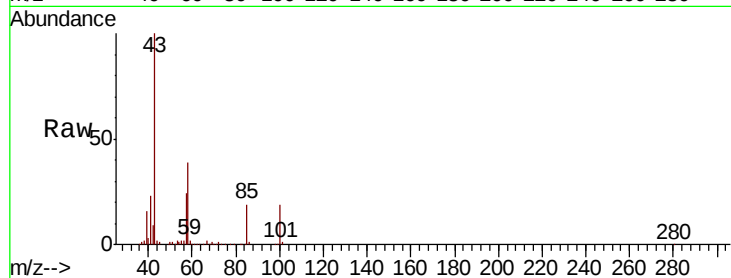




#51
 4-Methyl-2-Pentanone
 Concen: 251.423 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

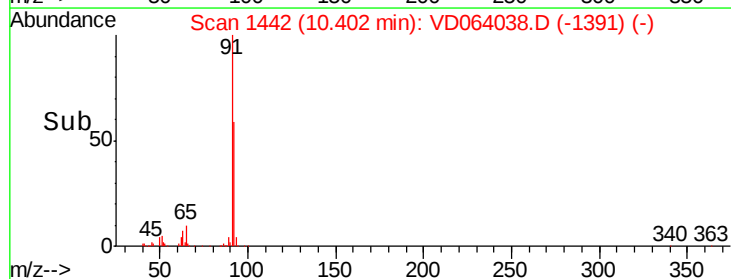
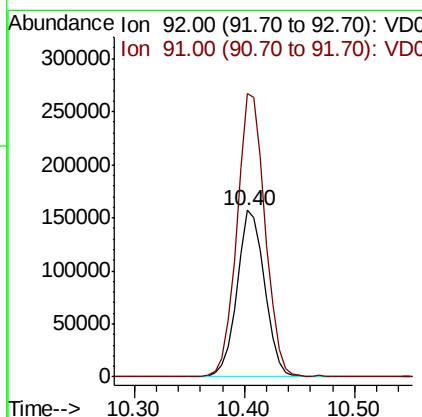
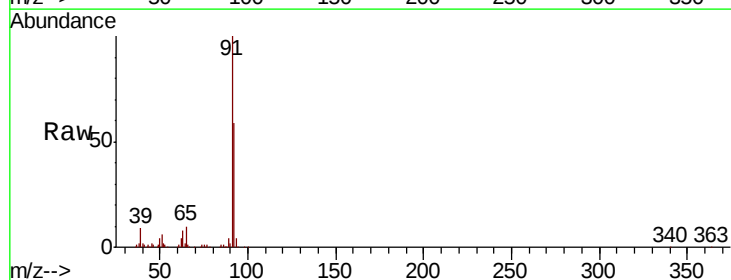
Instrument :
 MSVOA_D
 ClientSampleId :

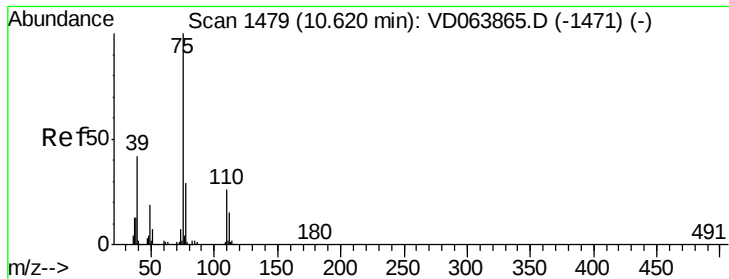
Tot Ion: 43 Resp: 279535
 Ion Ratio Lower Upper
 43 100
 58 39.7 33.0 49.4



#52
 Toluene
 Concen: 55.220 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 92 Resp: 277690
 Ion Ratio Lower Upper
 92 100
 91 172.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.708 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

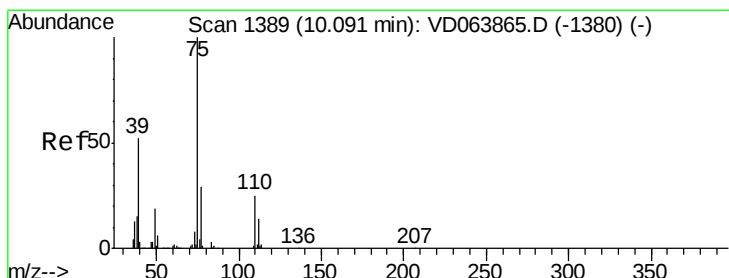
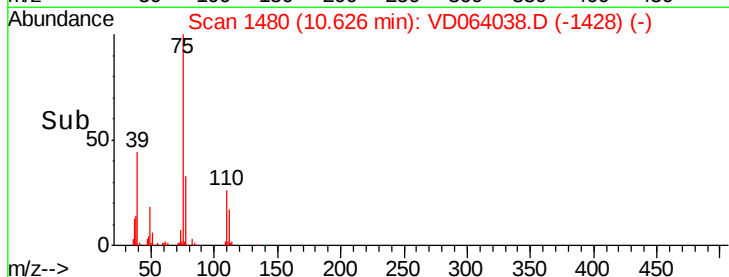
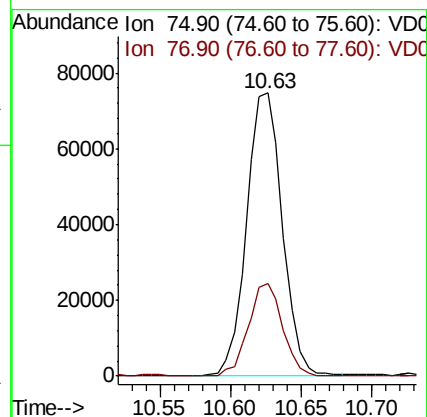
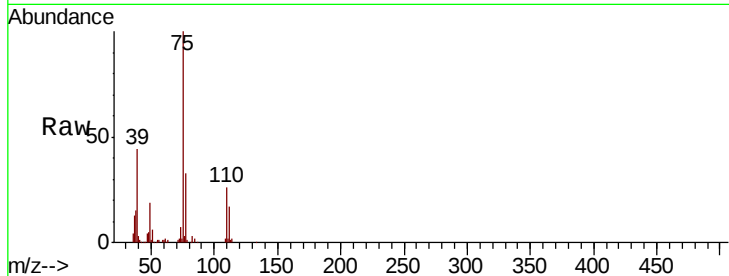
ClientSampleId :

Tot Ion: 75 Resp: 132657

Ion Ratio Lower Upper

75 100

77 32.3 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 51.591 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

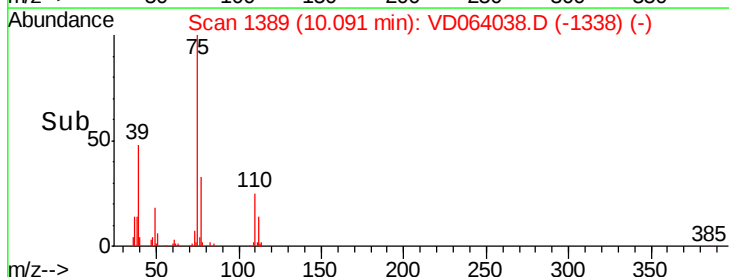
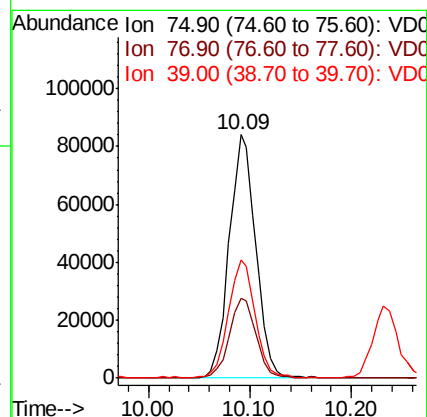
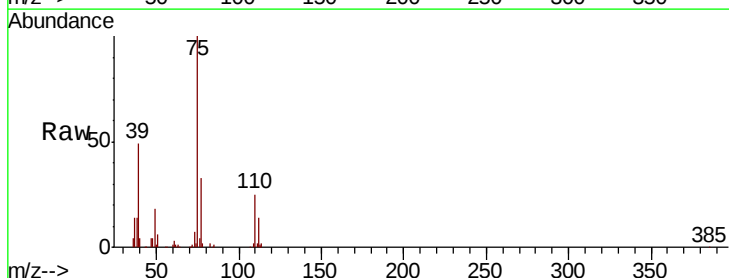
Tgt Ion: 75 Resp: 152357

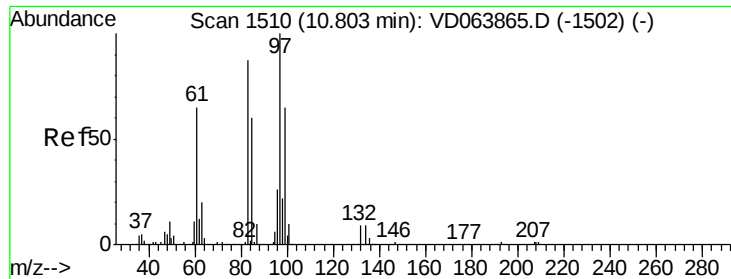
Ion Ratio Lower Upper

75 100

77 32.9 23.2 34.8

39 48.7 41.5 62.3

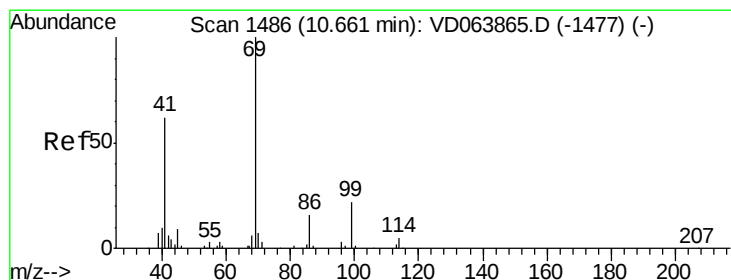
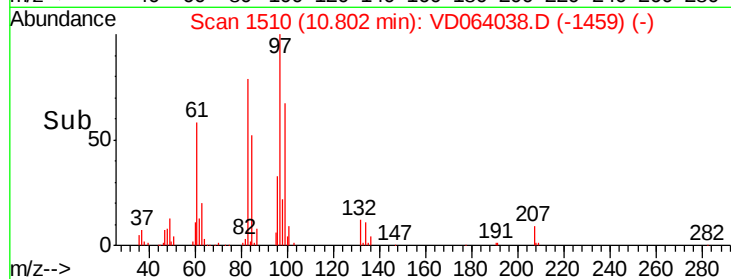
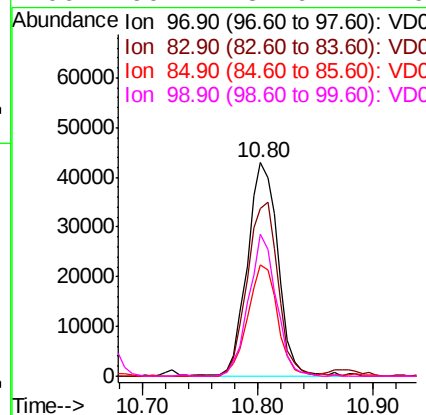
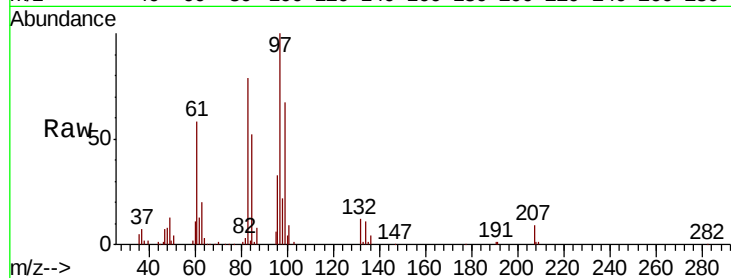




#55
 1,1,2-Trichloroethane
 Concen: 55.295 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

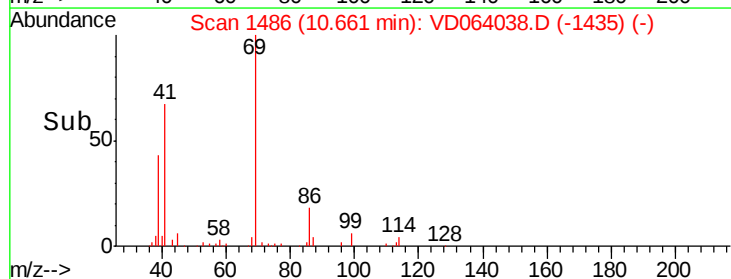
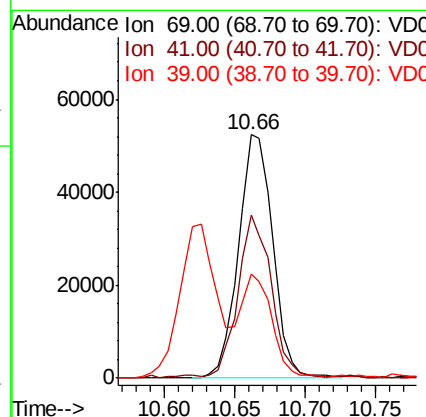
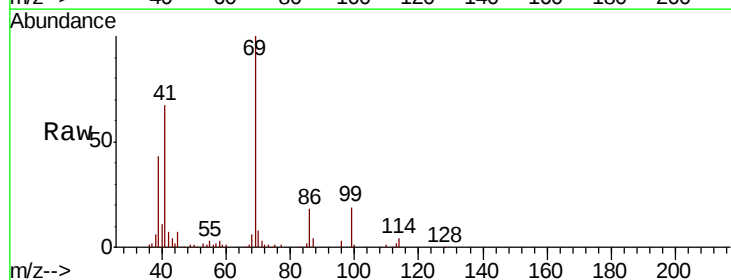
Instrument :
 MSVOA_D
 ClientSampleId :

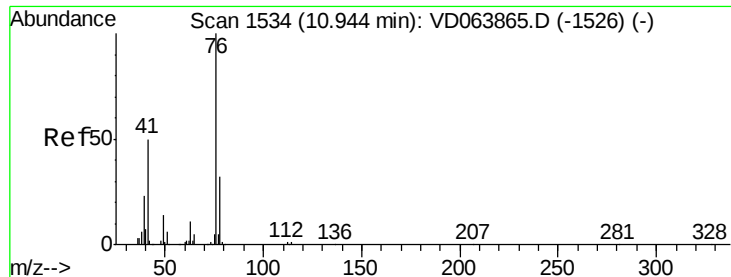
Tot Ion:	97	Resp:	79726
Ion	Ratio	Lower	Upper
97	100		
83	78.1	69.7	104.5
85	52.3	48.1	72.1
99	66.7	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 48.952 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion:	69	Resp:	89380
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.3	76.9
39	40.2	28.0	42.0





#57

1,3-Dichloropropane

Concen: 52.976 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

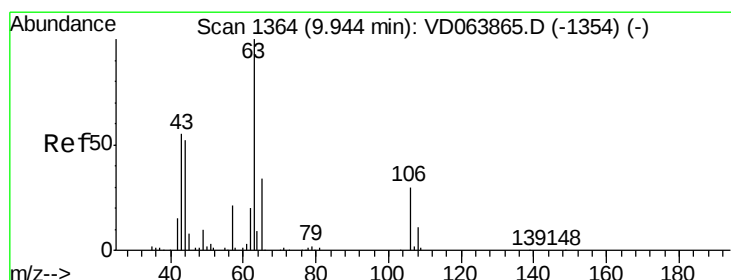
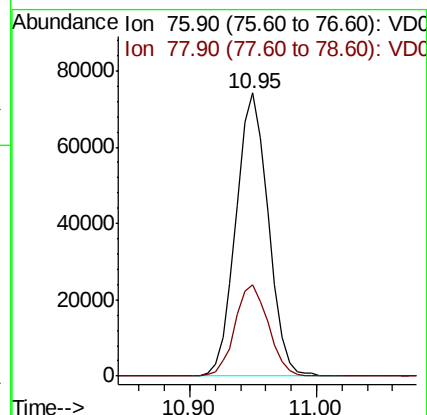
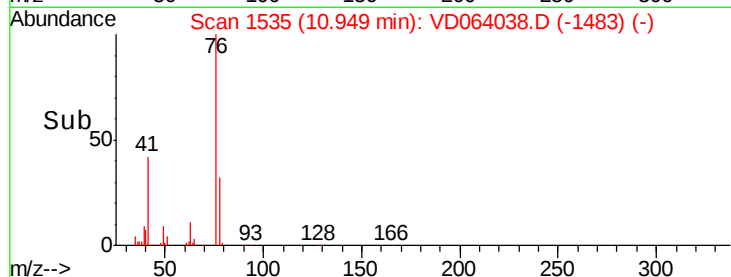
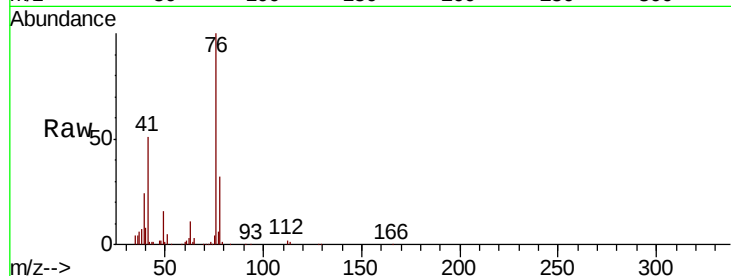
ClientSampleId :

Tot Ion: 76 Resp: 130686

Ion Ratio Lower Upper

76 100

78 33.3 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 230.886 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064038.D

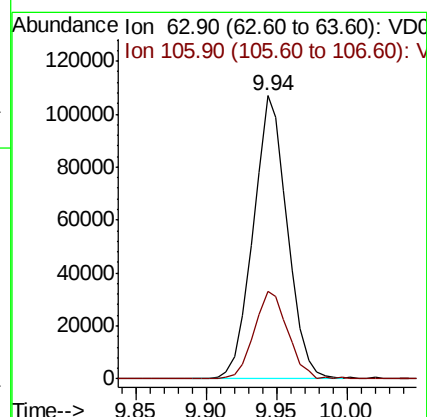
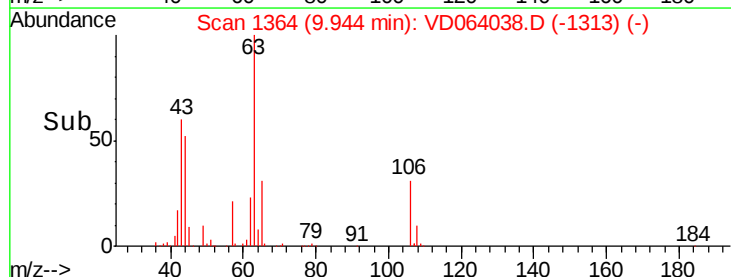
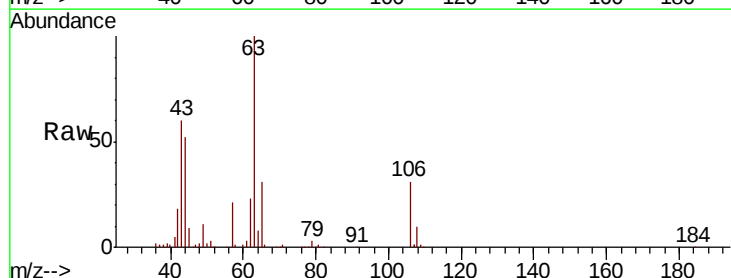
Acq: 24 Oct 2019 10:52

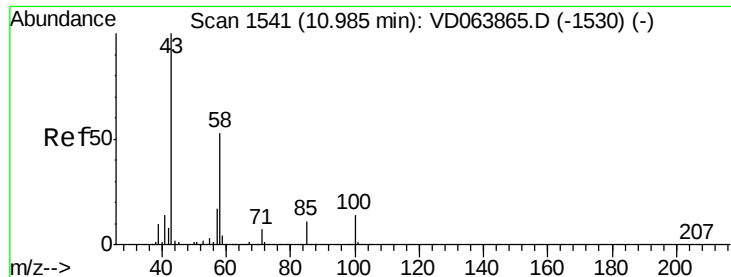
Tgt Ion: 63 Resp: 181205

Ion Ratio Lower Upper

63 100

106 30.9 24.3 36.5

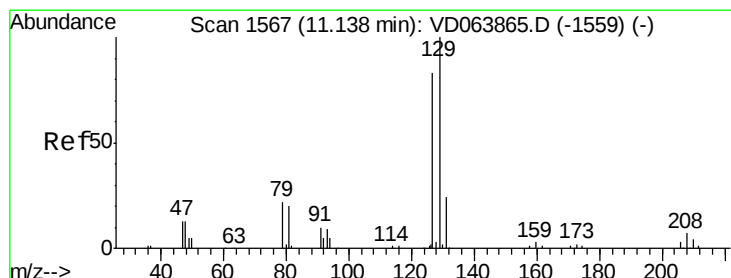
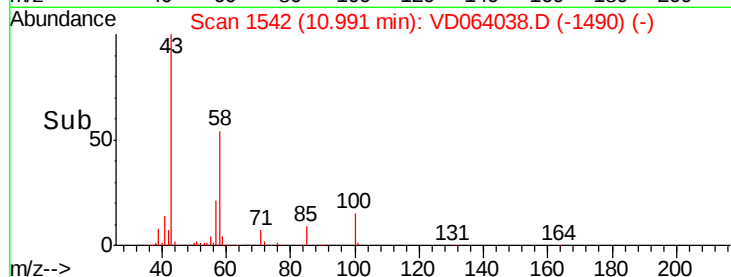
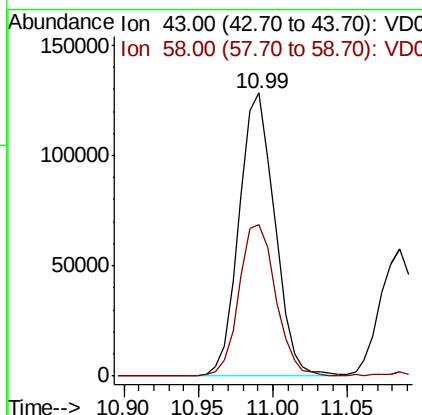
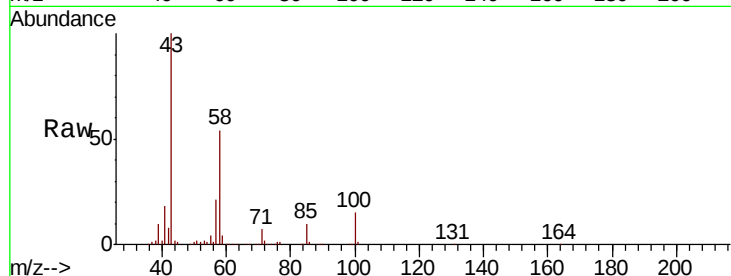




#59
2-Hexanone
Concen: 265.048 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

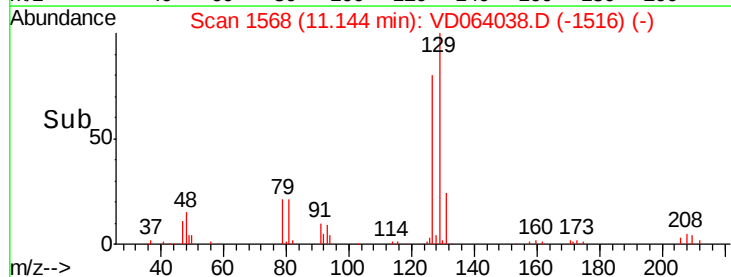
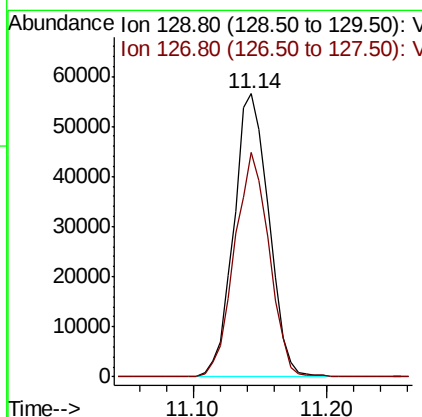
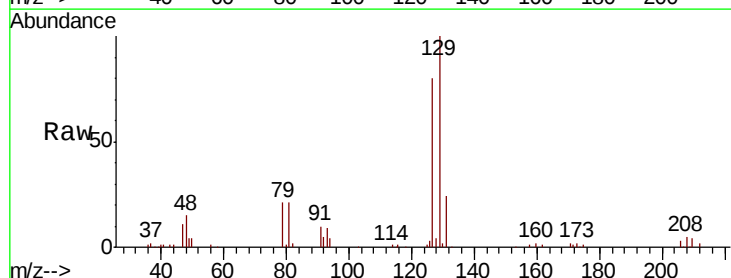
Instrument :
MSVOA_D
ClientSampled :

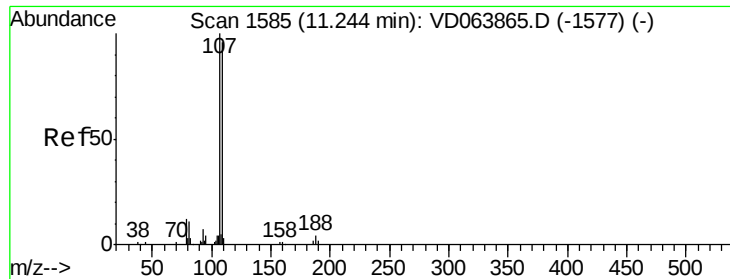
Tot Ion: 43 Resp: 213165
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0



#60
Dibromochloromethane
Concen: 54.679 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion: 129 Resp: 102639
Ion Ratio Lower Upper
129 100
127 78.7 39.9 119.6

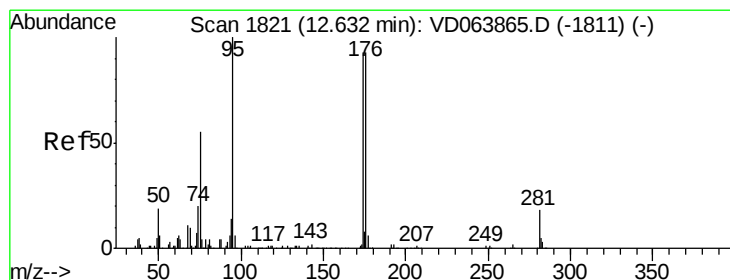
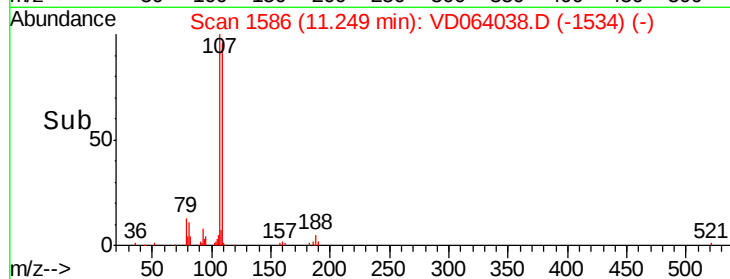
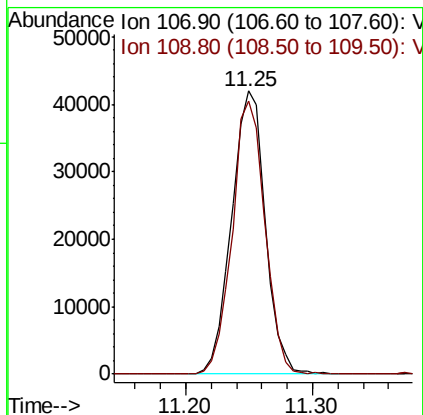
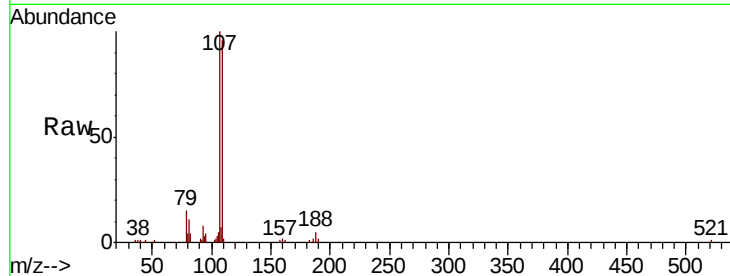




#61
 1,2-Dibromoethane
 Concen: 55.126 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

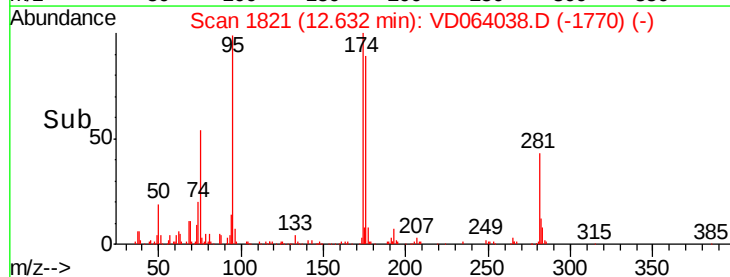
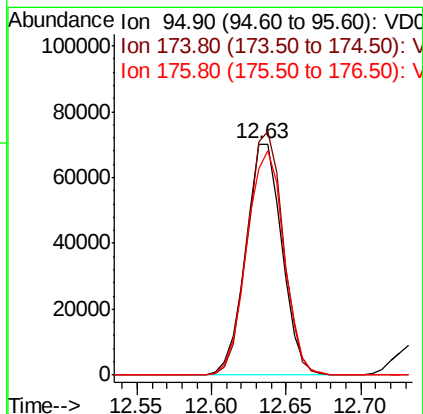
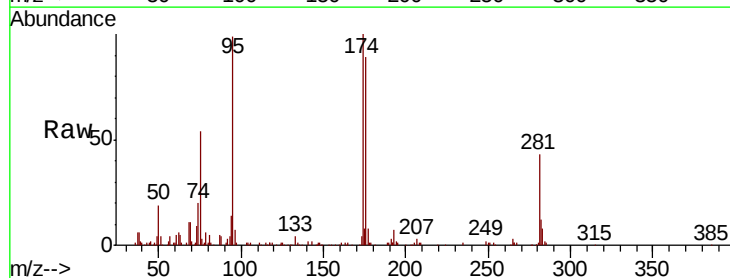
Instrument :
 MSVOA_D
 ClientSampleId :

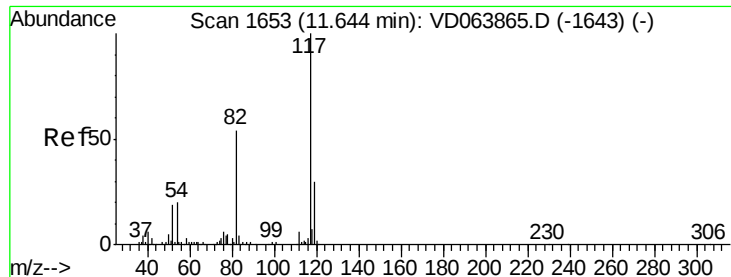
Tot Ion:107 Resp: 77054
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.946 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 95 Resp: 117954
 Ion Ratio Lower Upper
 95 100
 174 103.5 0.0 186.4
 176 99.5 0.0 184.2

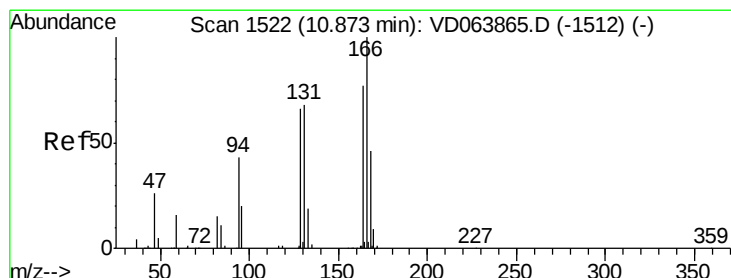
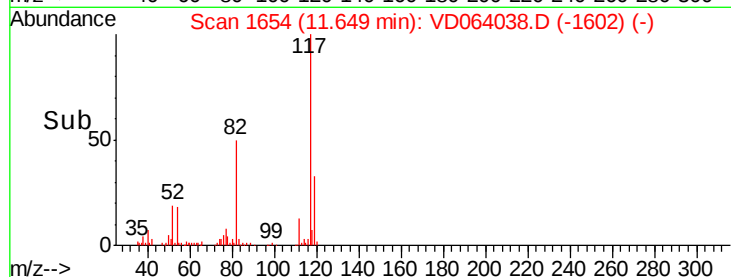
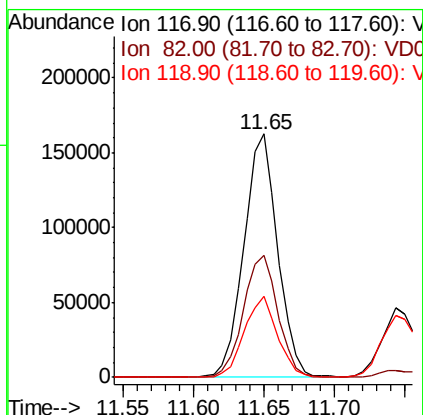
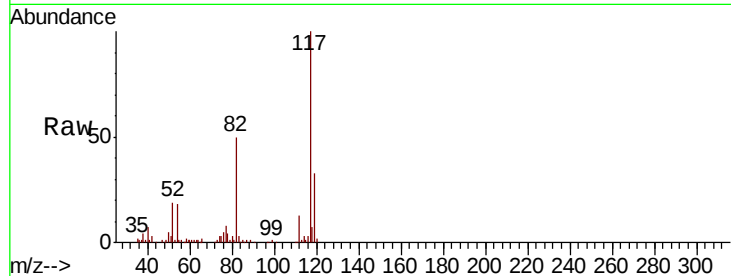




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

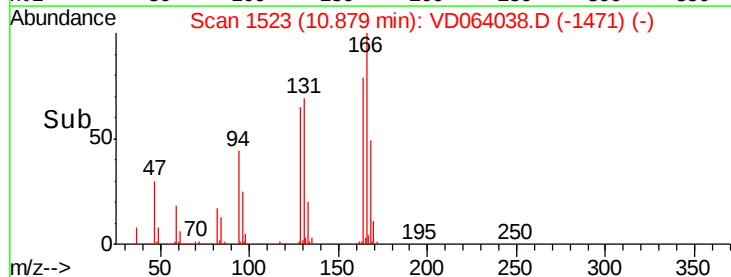
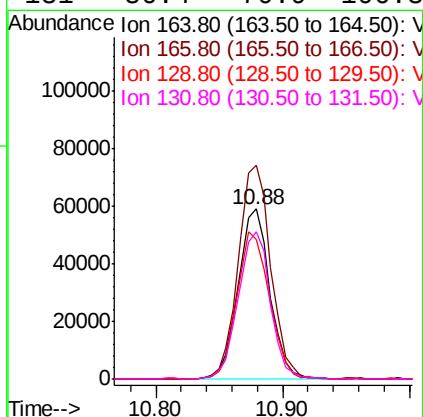
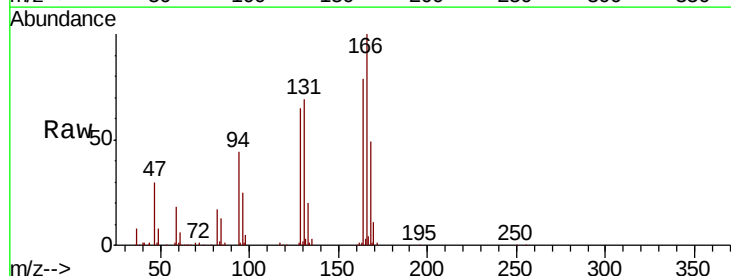
Instrument :
MSVOA_D
ClientSampled :

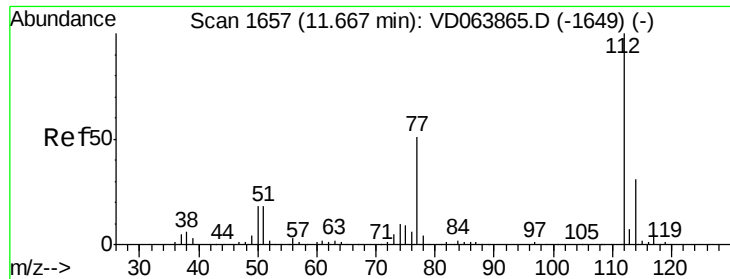
Tot Ion:117 Resp: 272290
Ion Ratio Lower Upper
117 100
82 50.2 42.8 64.2
119 33.4 24.4 36.6



#64
Tetrachloroethene
Concen: 54.996 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion:164 Resp: 102229
Ion Ratio Lower Upper
164 100
166 125.9 103.8 155.6
129 82.5 68.9 103.3
131 86.4 70.9 106.3





#65

Chlorobenzene

Concen: 56.309 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

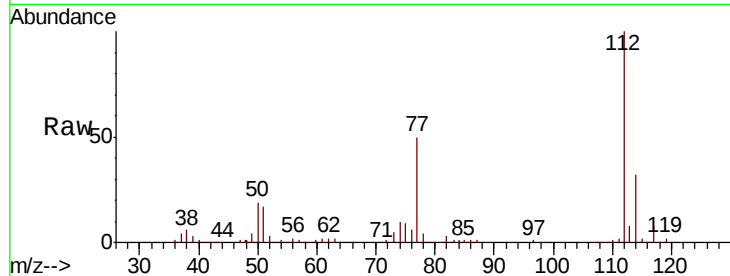
ClientSampleId :

Tot Ion:112 Resp: 307917

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

200000

150000

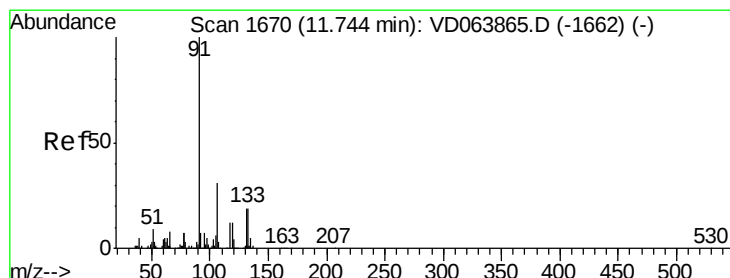
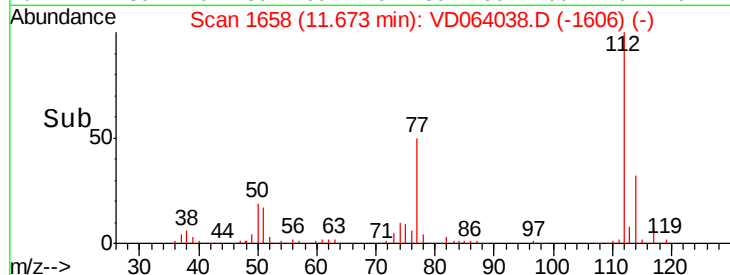
100000

50000

0

Time-->

11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 56.101 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

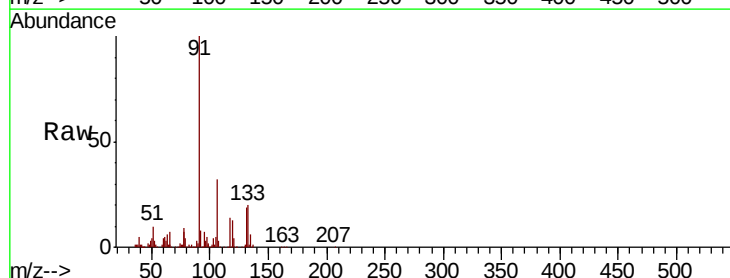
Tgt Ion:131 Resp: 113041

Ion Ratio Lower Upper

131 100

133 97.5 48.9 146.7

119 64.4 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

80000

60000

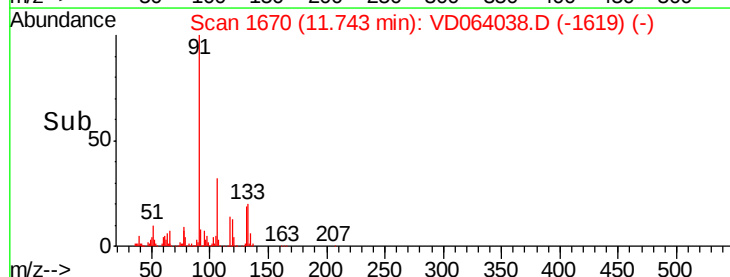
40000

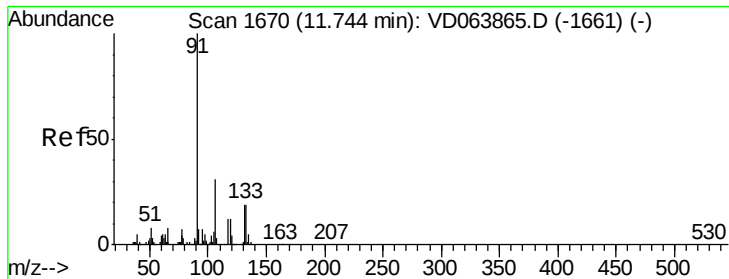
20000

0

Time-->

11.65 11.70 11.75 11.80





#67

Ethyl Benzene

Concen: 57.159 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

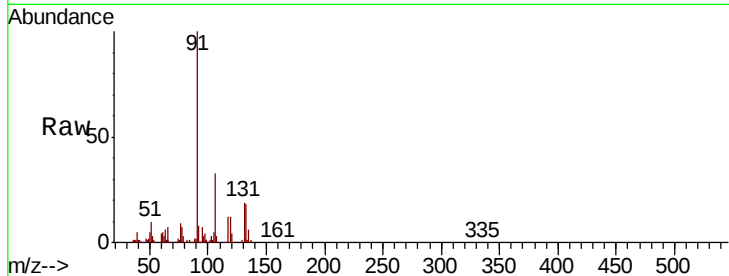
ClientSampleId :

Tot Ion: 91 Resp: 563612

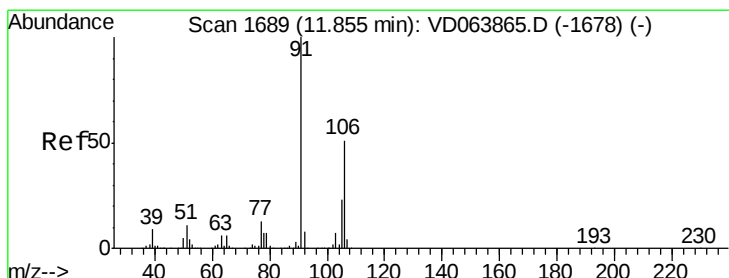
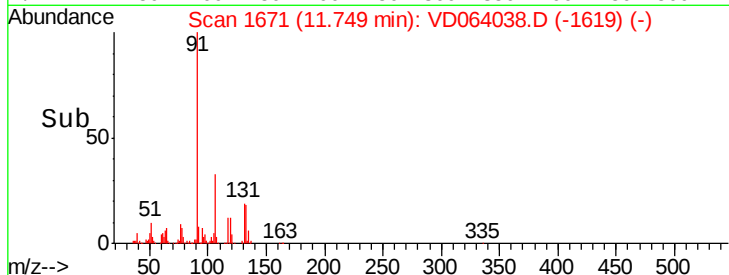
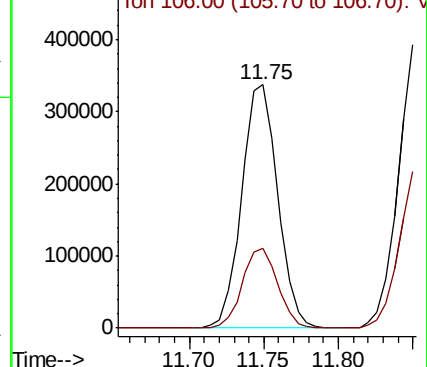
Ion Ratio Lower Upper

91 100

106 32.6 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 117.552 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064038.D

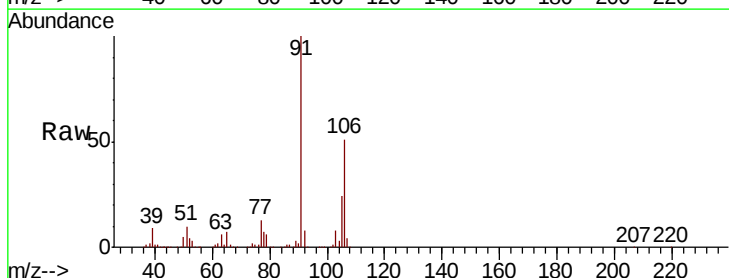
Acq: 24 Oct 2019 10:52

Tgt Ion: 106 Resp: 447394

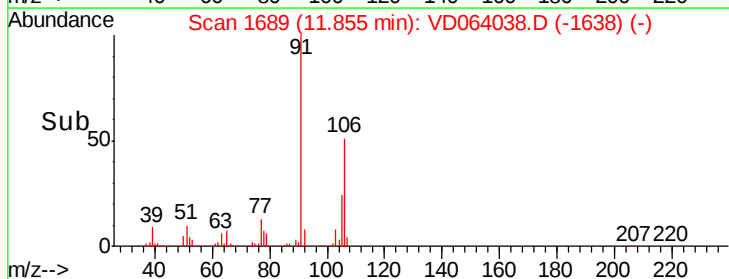
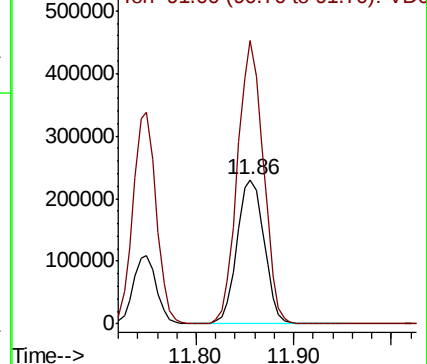
Ion Ratio Lower Upper

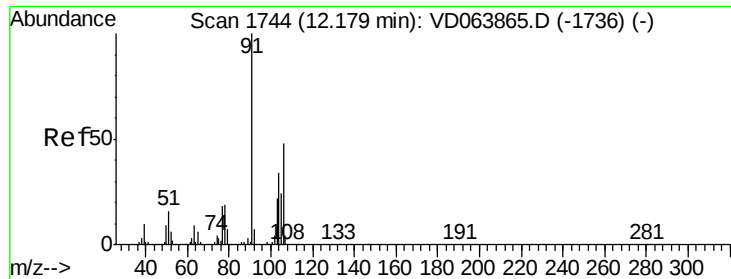
106 100

91 186.8 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

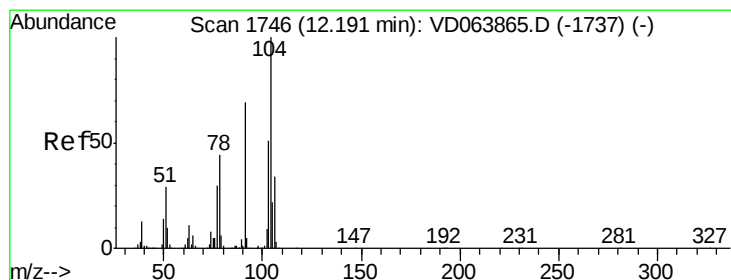
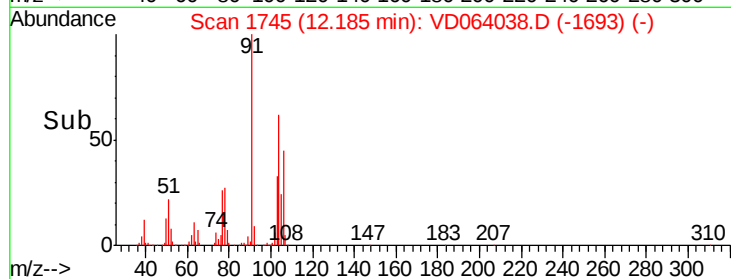
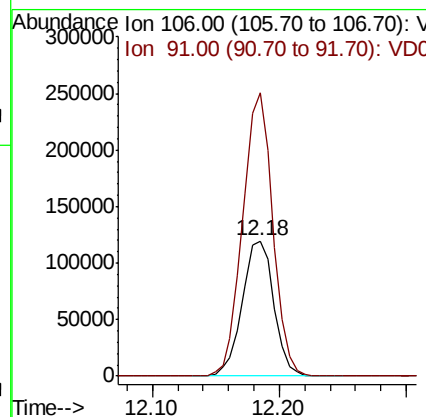
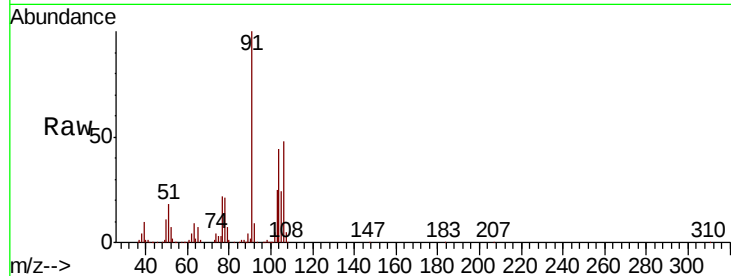




#69
o-Xylene
Concen: 56.475 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

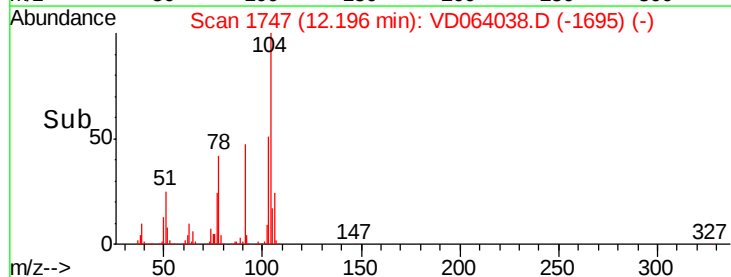
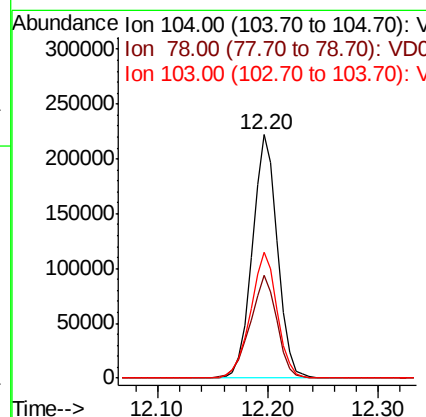
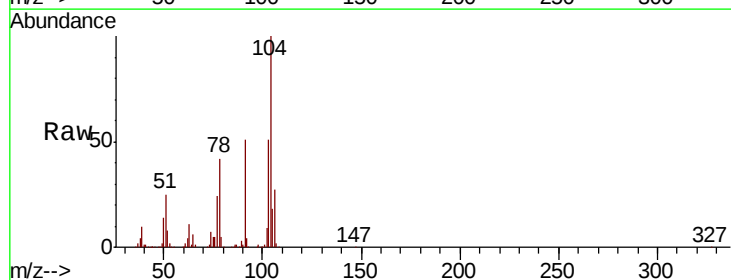
Instrument :
MSVOA_D
ClientSampleId :

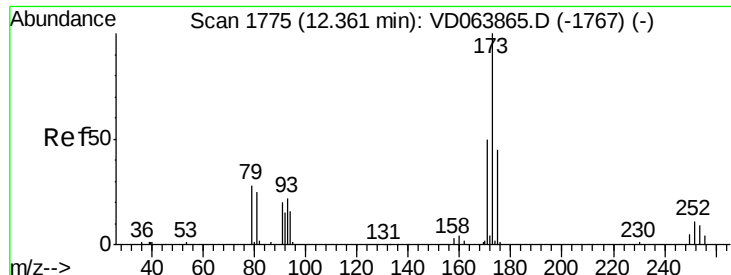
Tot Ion:106 Resp: 205814
Ion Ratio Lower Upper
106 100
91 200.7 103.9 311.7



#70
Styrene
Concen: 57.342 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion:104 Resp: 353763
Ion Ratio Lower Upper
104 100
78 45.1 37.0 55.4
103 54.8 44.2 66.4





#71

Bromoform

Concen: 59.693 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

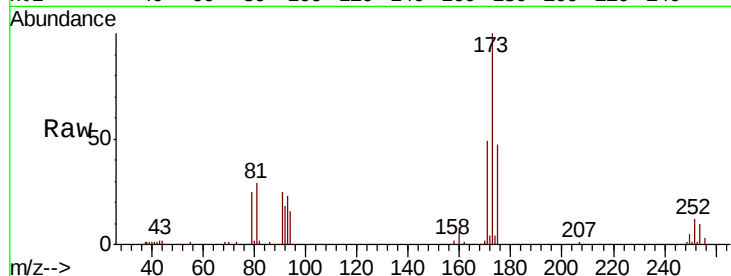
Tot Ion:173 Resp: 64550

Ion Ratio Lower Upper

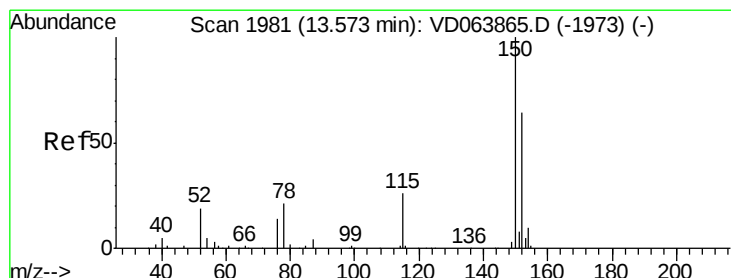
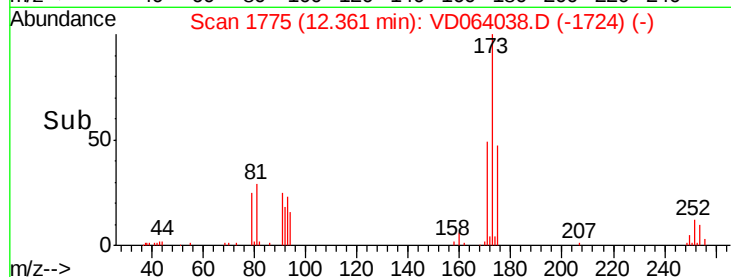
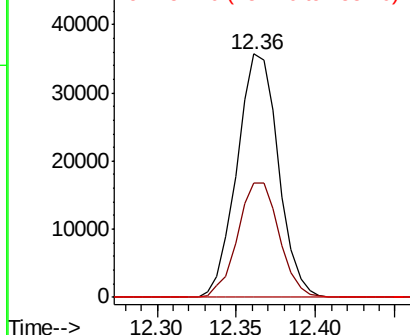
173 100

175 47.3 24.6 74.0

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# 1982

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

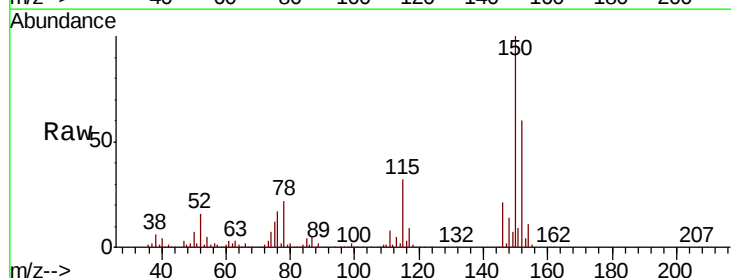
Tgt Ion:152 Resp: 157832

Ion Ratio Lower Upper

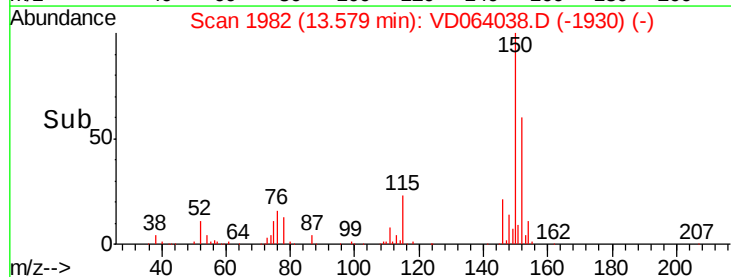
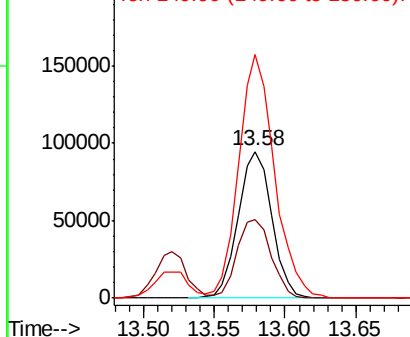
152 100

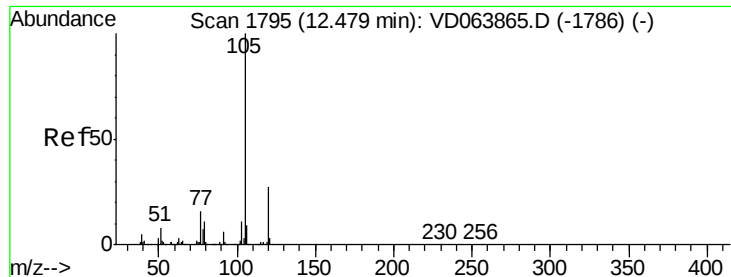
115 54.5 25.9 77.7

150 176.2 0.0 344.2



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: 53.580 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

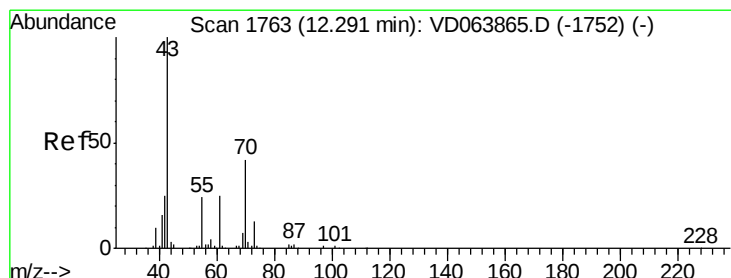
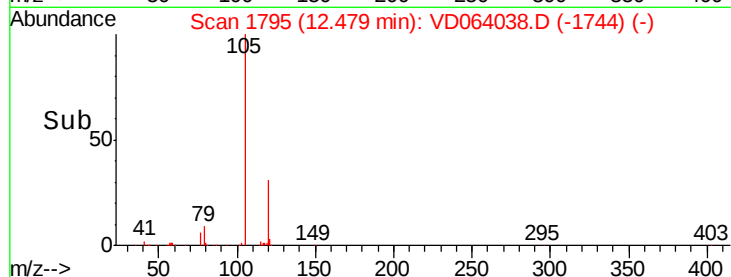
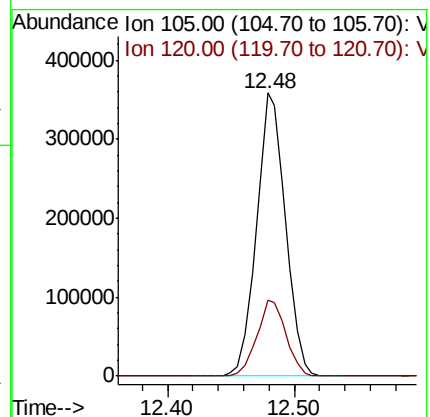
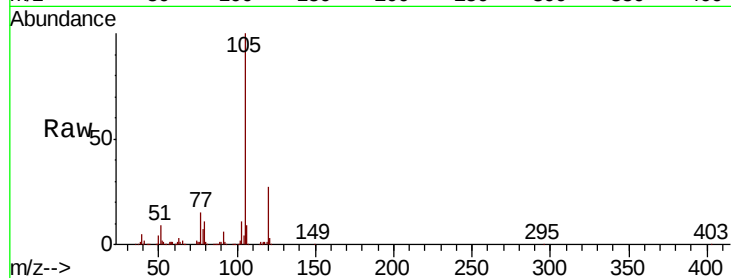
ClientSampleId :

Tot Ion:105 Resp: 568495

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 45.940 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Tgt Ion: 43 Resp: 104945

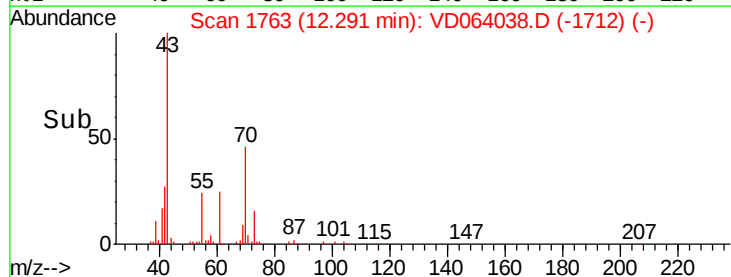
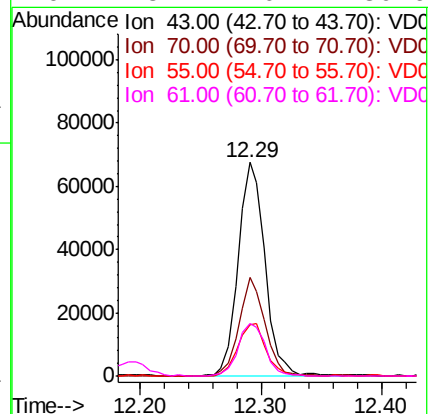
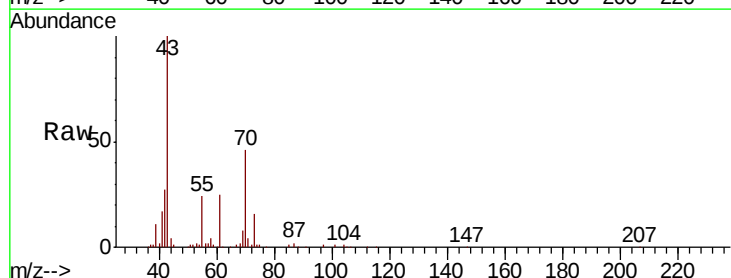
Ion Ratio Lower Upper

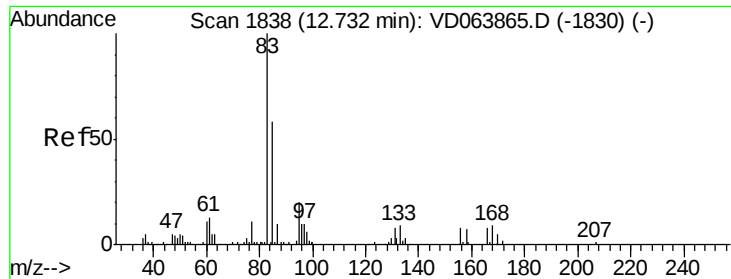
43 100

70 44.3 35.8 53.6

55 25.5 19.4 29.0

61 25.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.542 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

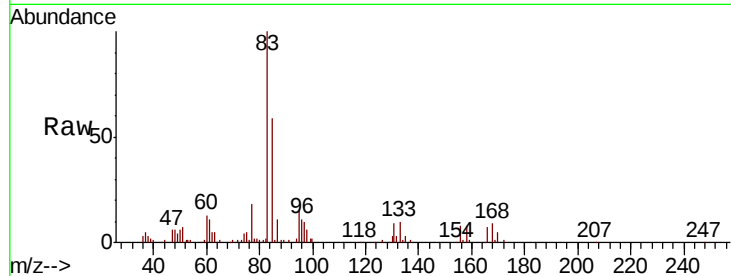
Tot Ion: 83 Resp: 91470

Ion Ratio Lower Upper

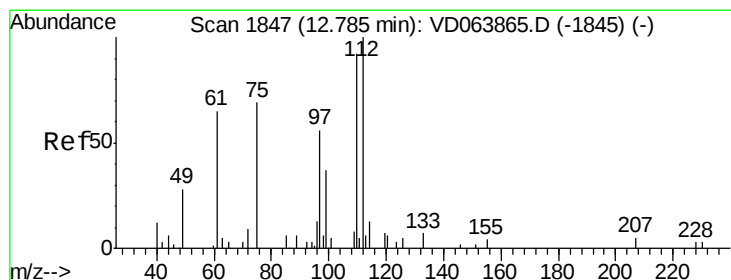
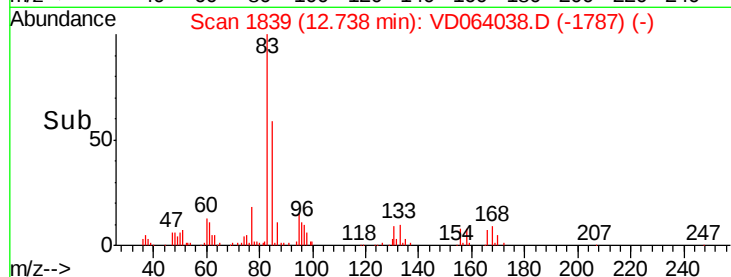
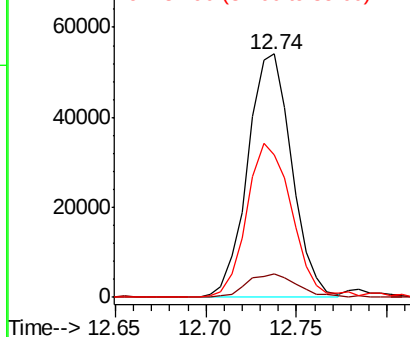
83 100

131 10.8 5.6 16.8

85 66.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 110.356 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064038.D

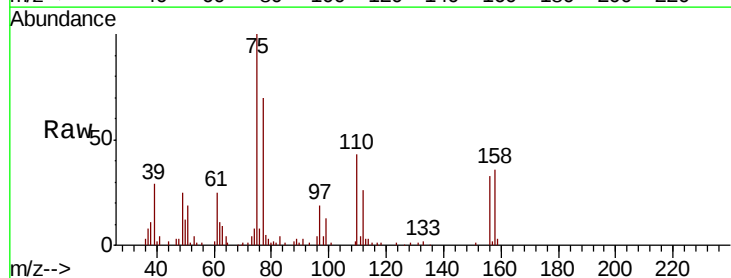
Acq: 24 Oct 2019 10:52

Tgt Ion: 75 Resp: 116659

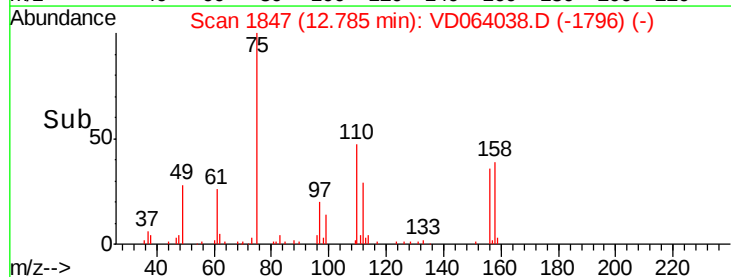
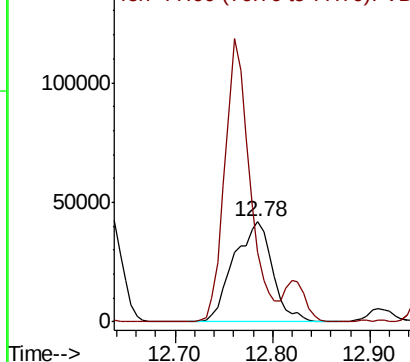
Ion Ratio Lower Upper

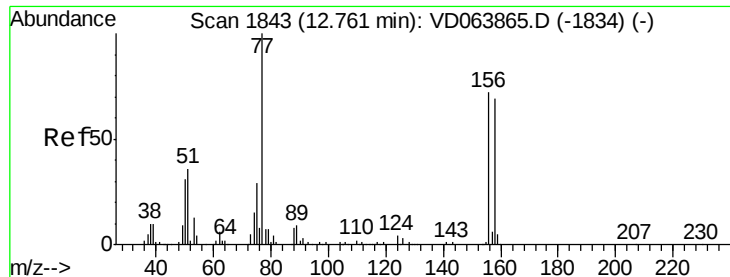
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.085 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

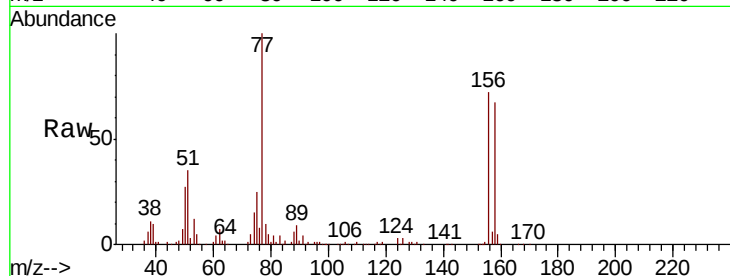
Tot Ion:156 Resp: 137684

Ion Ratio Lower Upper

156 100

77 156.4 80.3 241.0

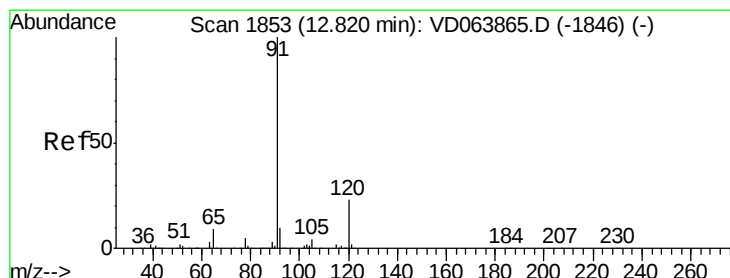
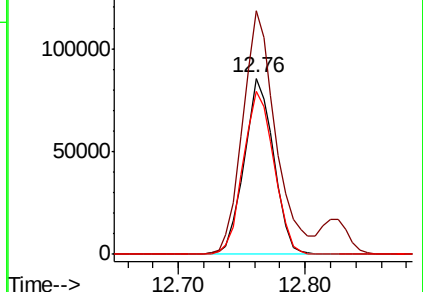
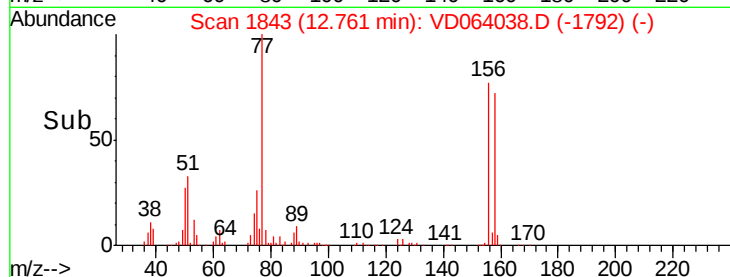
158 97.0 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.502 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064038.D

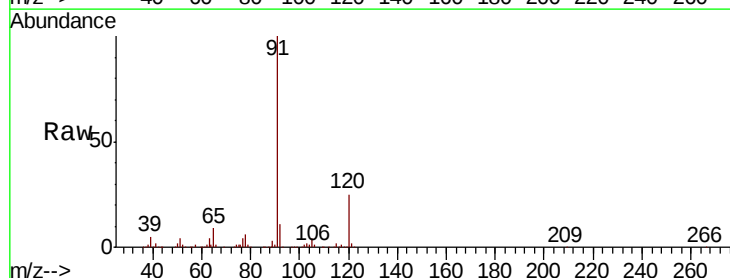
Acq: 24 Oct 2019 10:52

Tgt Ion: 91 Resp: 678773

Ion Ratio Lower Upper

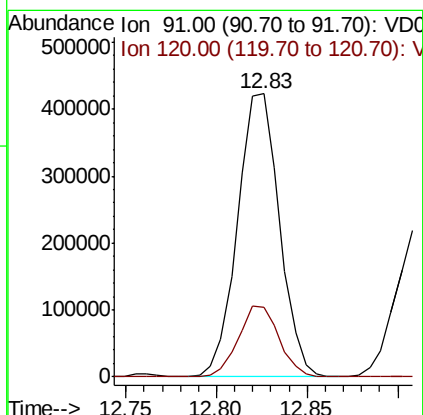
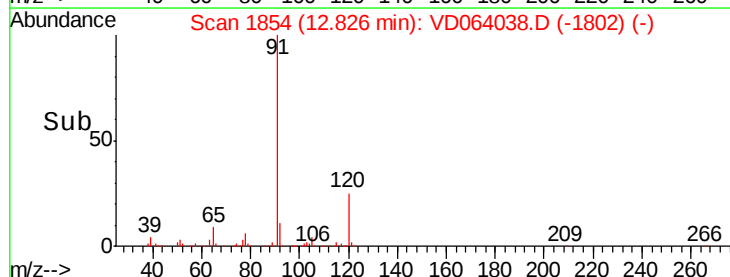
91 100

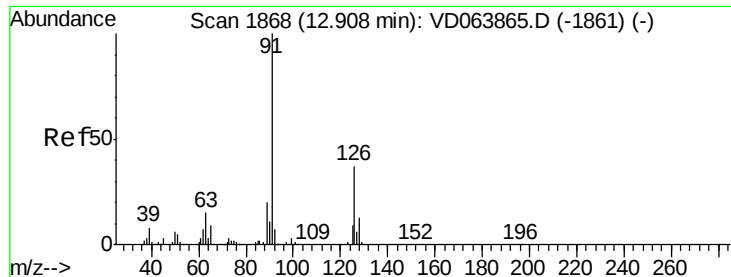
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

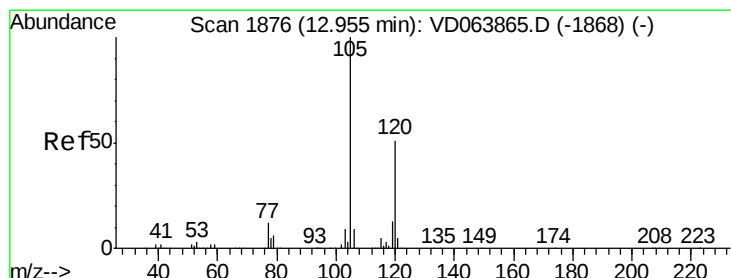
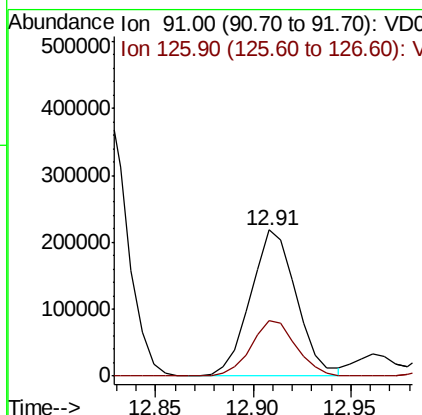
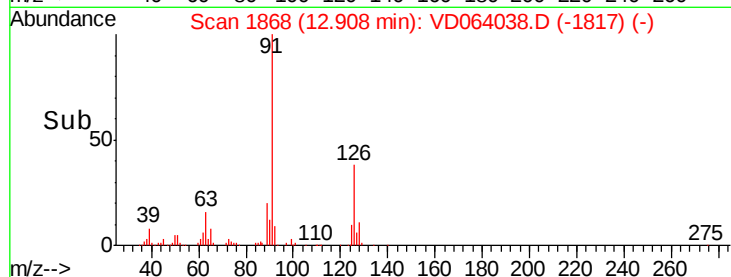
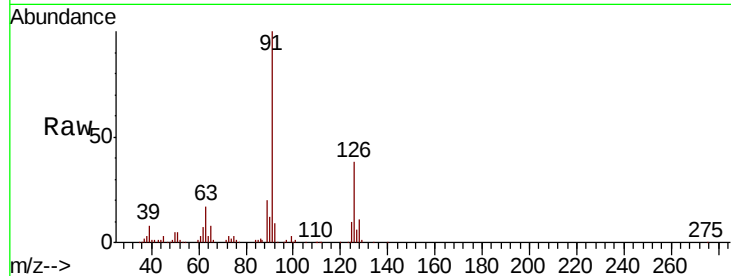




#79
 2-Chlorotoluene
 Concen: 51.796 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

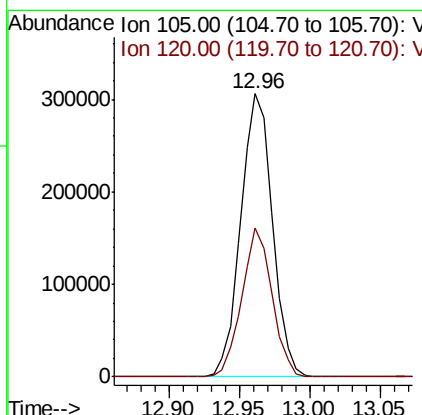
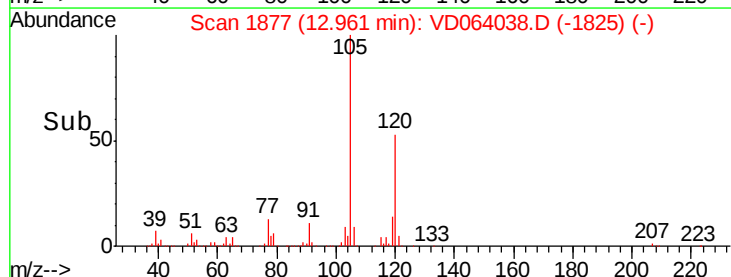
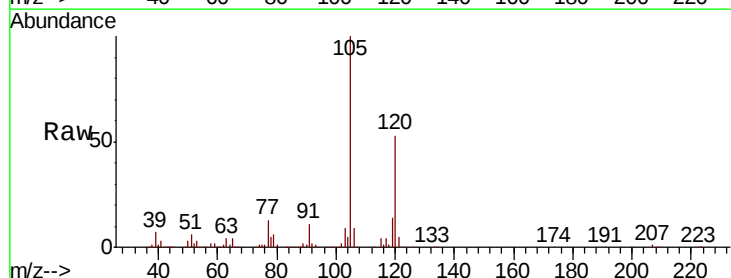
Instrument :
 MSVOA_D
 ClientSampled :

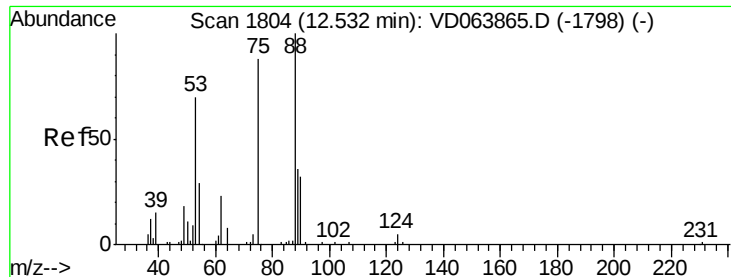
Tot Ion: 91 Resp: 355694
 Ion Ratio Lower Upper
 91 100
 126 37.5 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 54.359 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion: 105 Resp: 481178
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.889 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

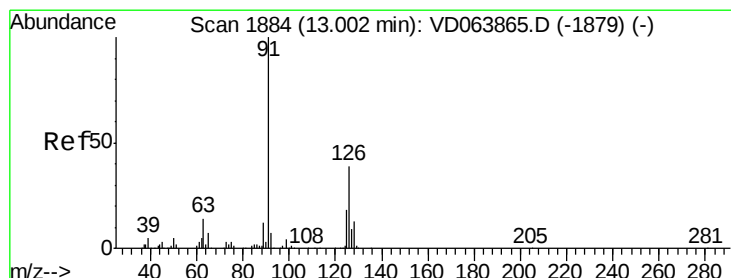
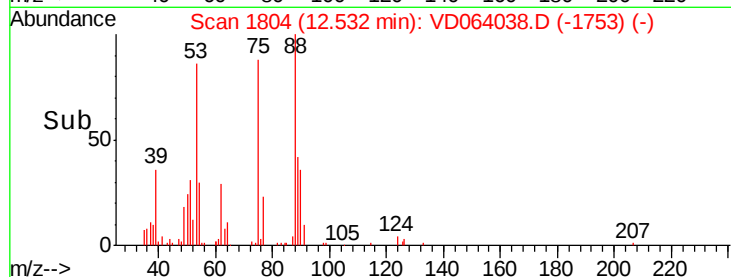
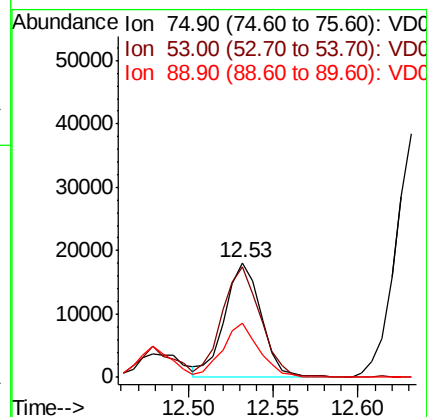
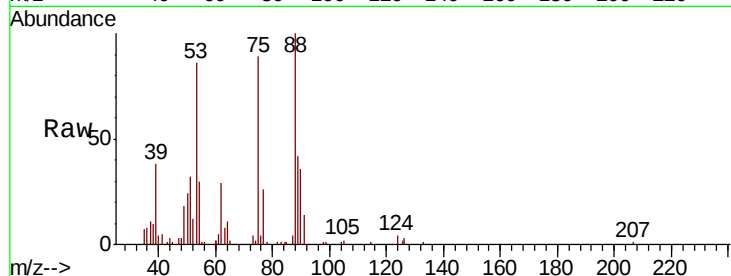
Tot Ion: 75 Resp: 27413

Ion Ratio Lower Upper

75 100

53 101.3 75.0 112.6

89 46.9 38.2 57.4



#82

4-Chlorotoluene

Concen: 51.555 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064038.D

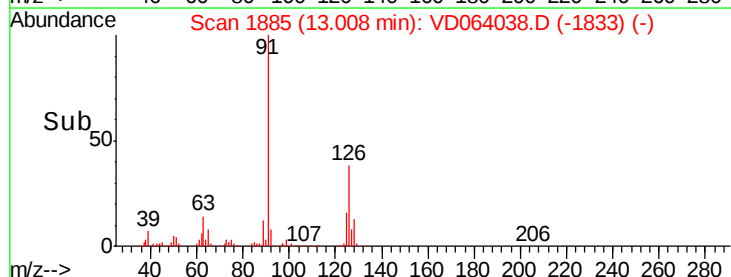
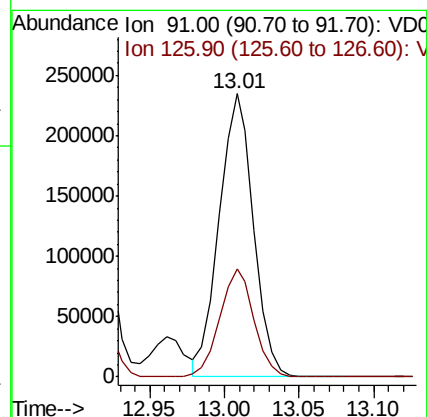
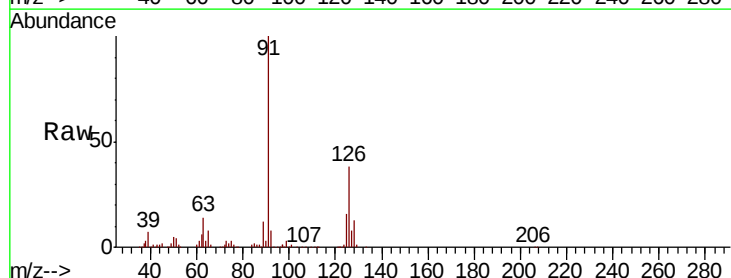
Acq: 24 Oct 2019 10:52

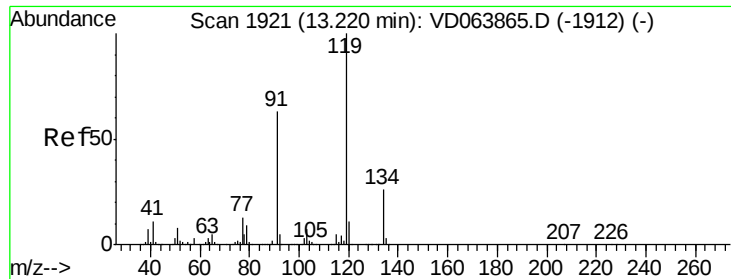
Tgt Ion: 91 Resp: 375569

Ion Ratio Lower Upper

91 100

126 38.2 18.6 55.8

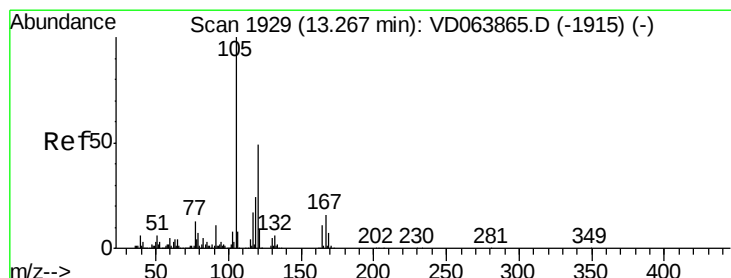
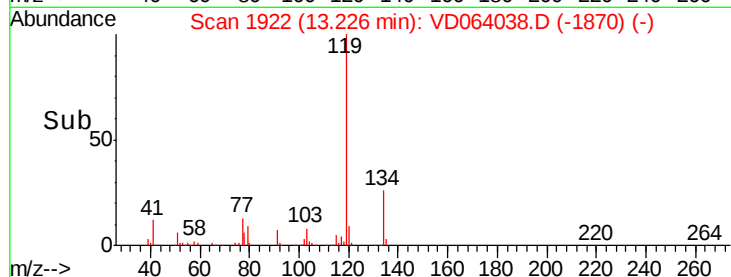
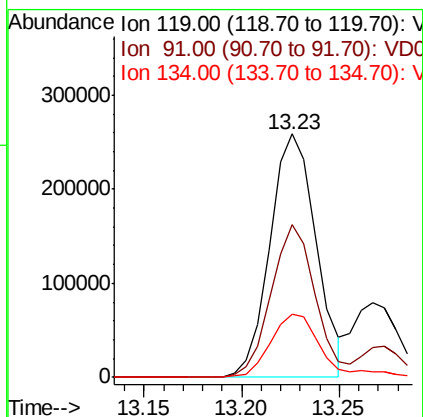
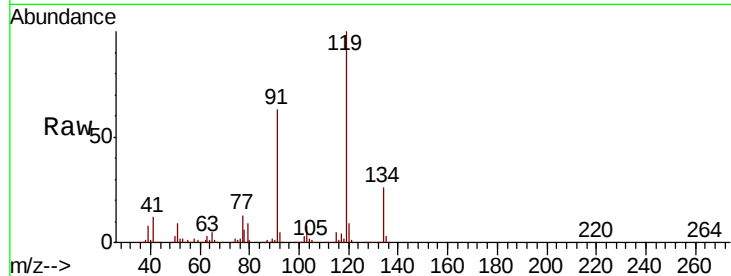




#83
tert-Butylbenzene
Concen: 53.794 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

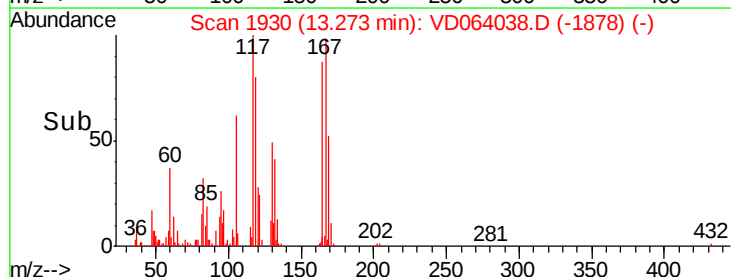
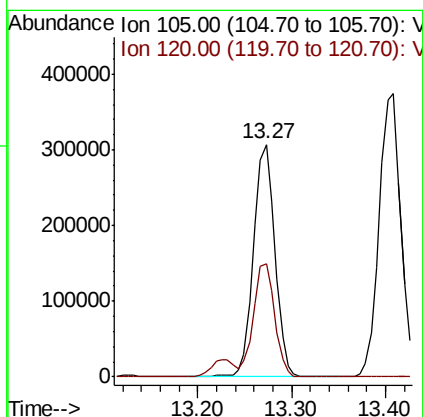
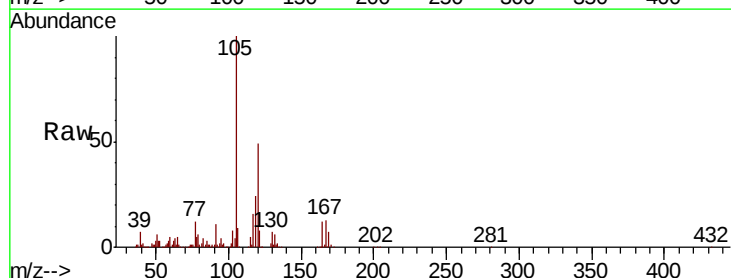
Instrument :
MSVOA_D
ClientSampleId :

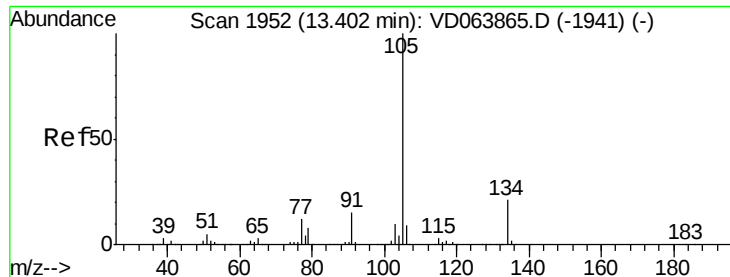
Tot Ion:119 Resp: 423789
Ion Ratio Lower Upper
119 100
91 60.5 30.0 90.0
134 28.7 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 53.321 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion:105 Resp: 486585
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.5





#85

sec-Butylbenzene

Concen: 56.130 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

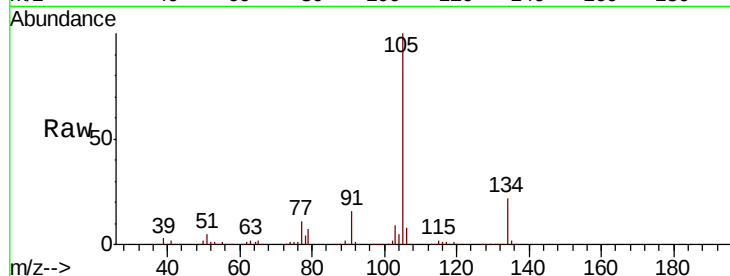
ClientSampleId :

Tot Ion:105 Resp: 597163

Ion Ratio Lower Upper

105 100

134 22.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

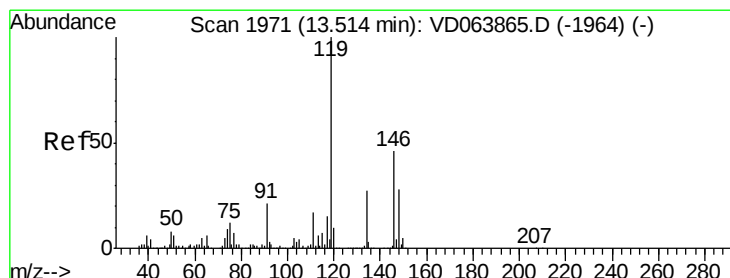
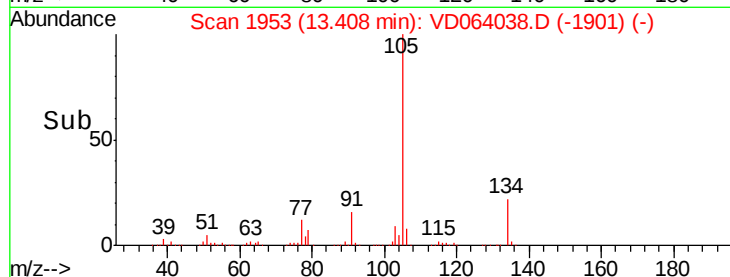
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 57.754 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

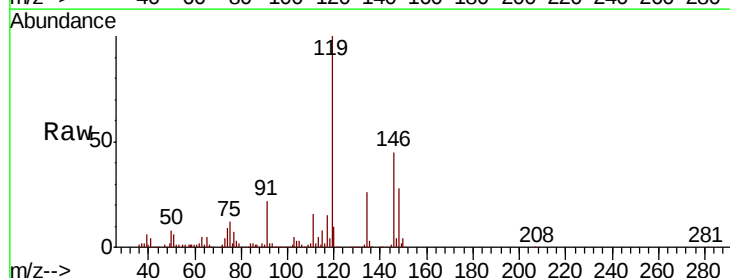
Tgt Ion:119 Resp: 581424

Ion Ratio Lower Upper

119 100

134 27.1 13.9 41.6

91 21.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

500000

400000

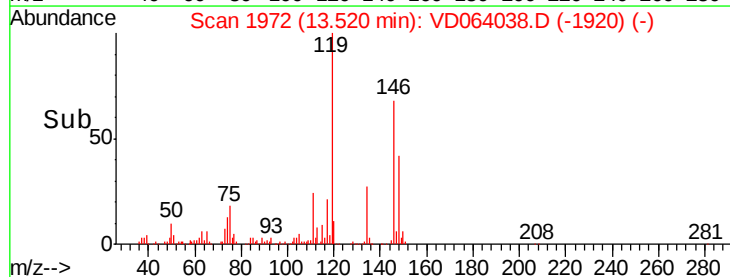
300000

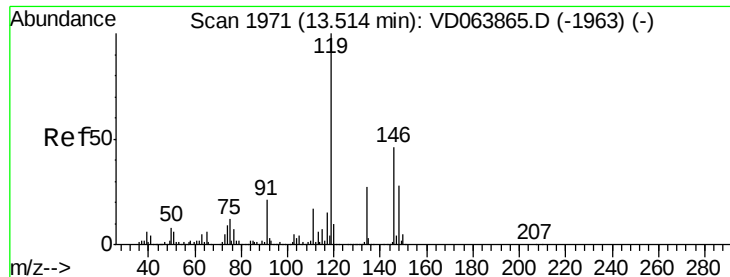
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 54.738 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064038.D

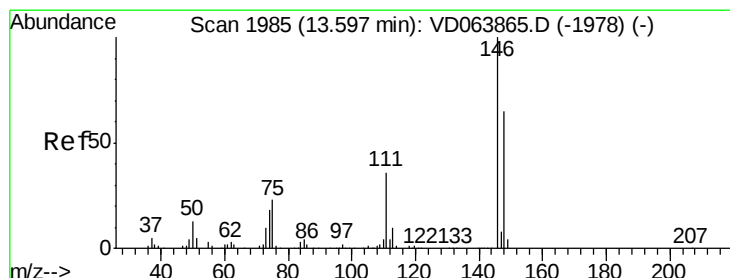
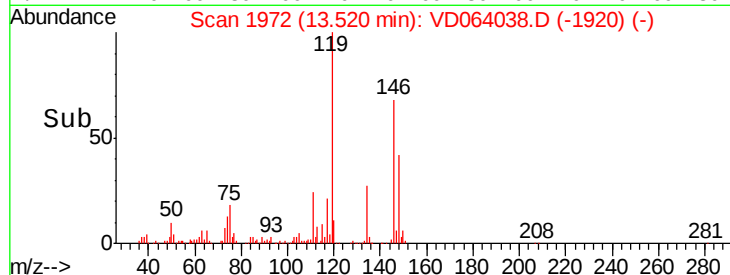
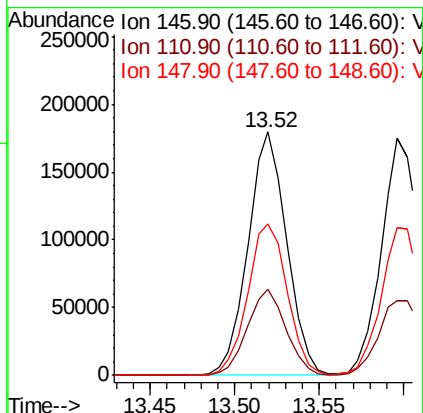
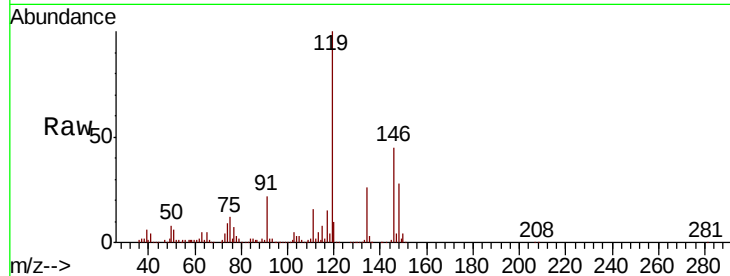
Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	146	Resp:	285907
Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.3	54.9
148	63.7	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 53.960 ug/l

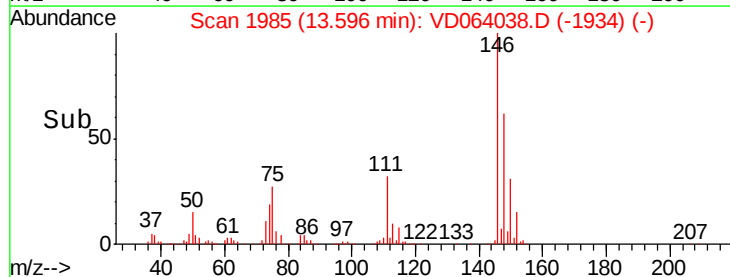
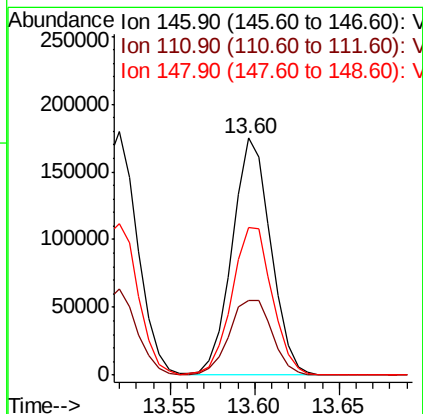
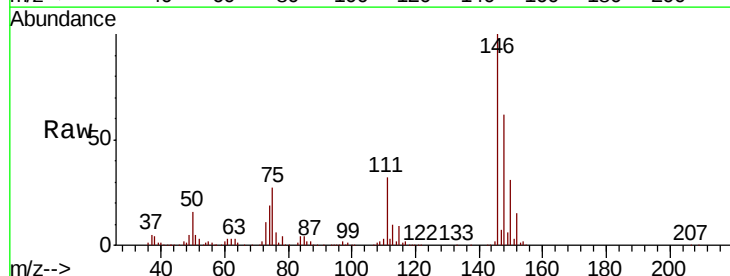
RT: 13.60 min Scan# 1985

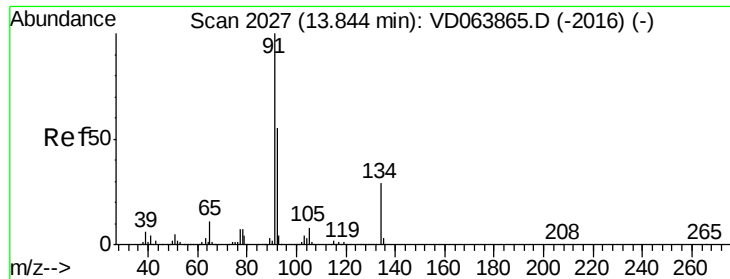
Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Tgt Ion:	146	Resp:	278053
Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.6	56.0
148	64.9	32.6	98.0

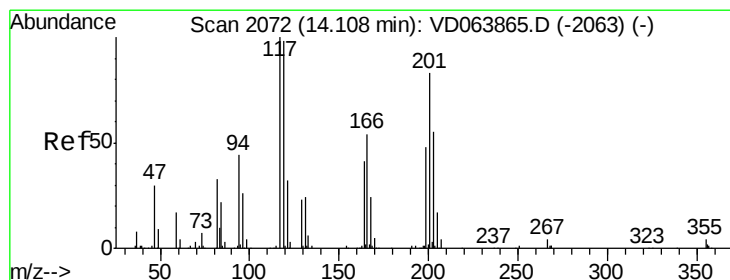
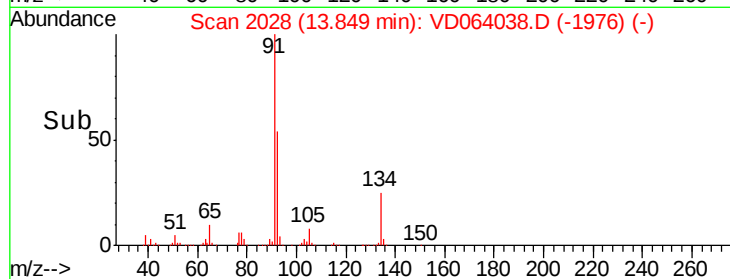
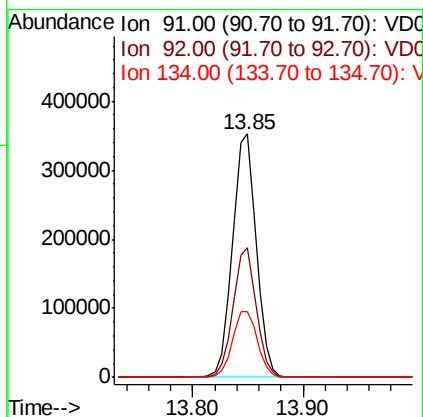
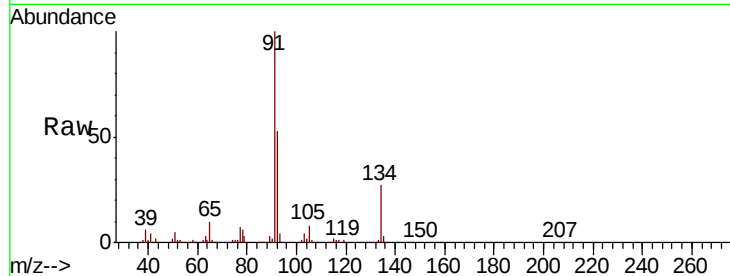




#89
n-Butylbenzene
Concen: 57.012 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

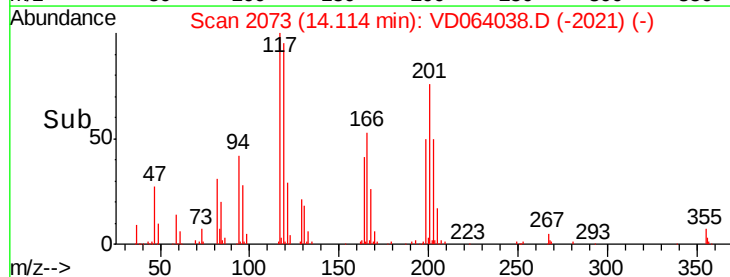
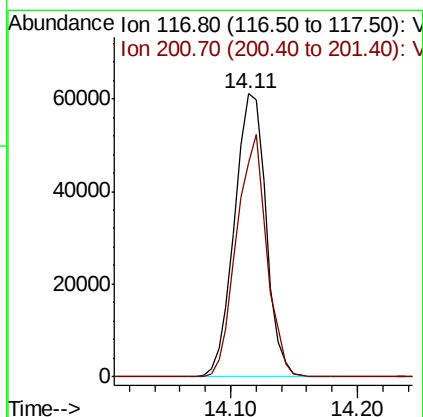
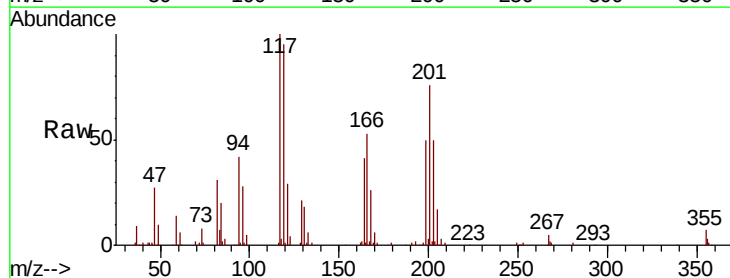
Instrument :
MSVOA_D
ClientSampleId :

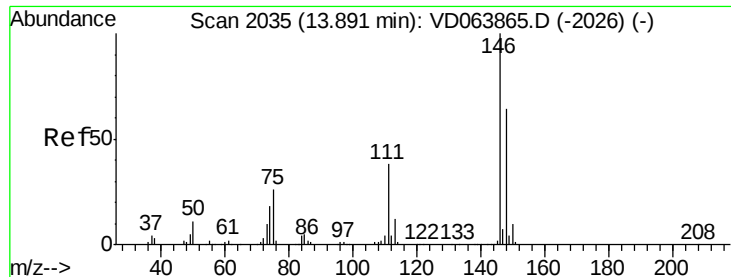
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.8	80.3
134	28.4	14.4	43.0



#90
Hexachloroethane
Concen: 58.086 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064038.D
Acq: 24 Oct 2019 10:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 54.367 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

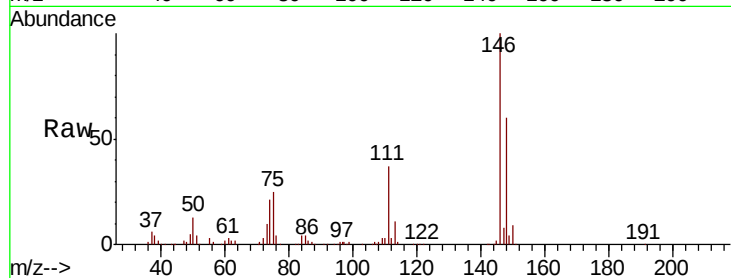
Tot Ion:146 Resp: 244722

Ion Ratio Lower Upper

146 100

111 36.2 18.6 55.6

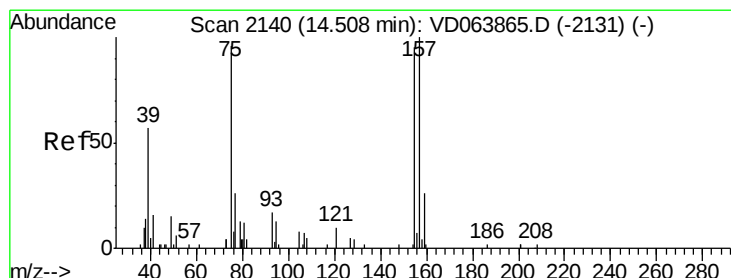
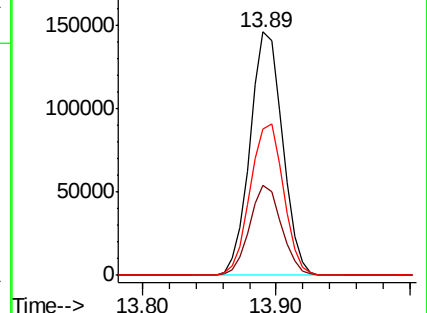
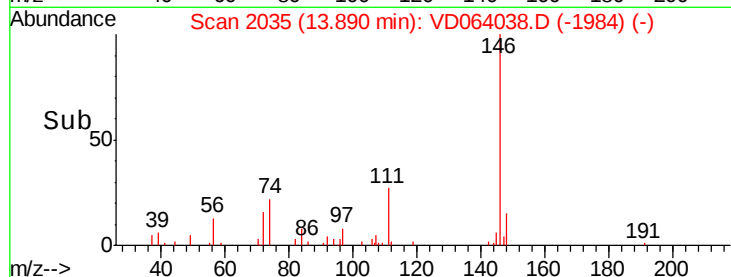
148 63.8 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.135 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

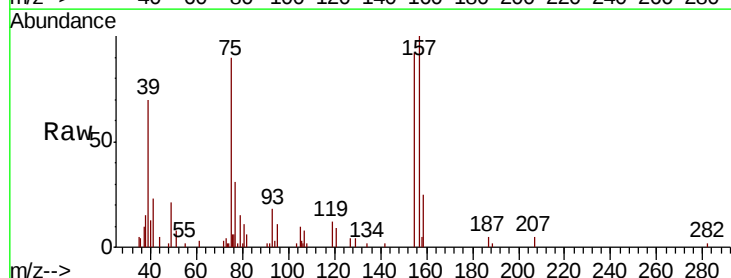
Tgt Ion: 75 Resp: 14653

Ion Ratio Lower Upper

75 100

155 103.8 43.9 131.6

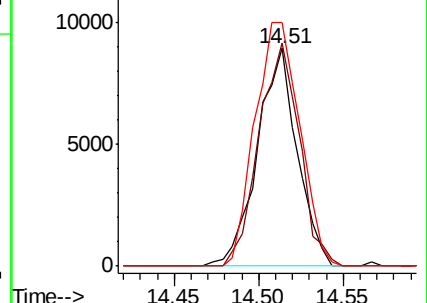
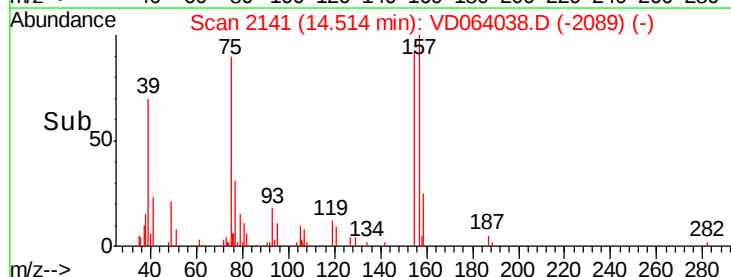
157 125.5 56.0 167.9

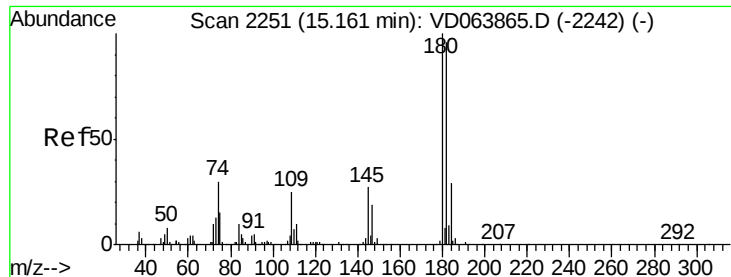


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

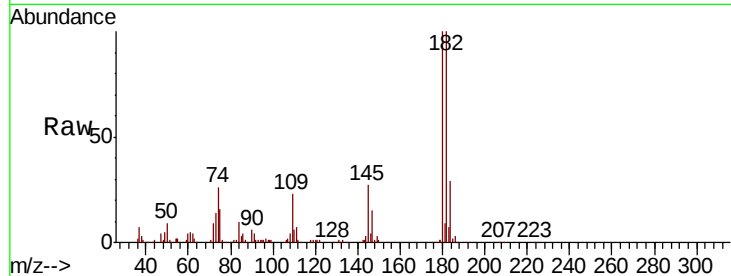




#93
 1,2,4-Trichlorobenzene
 Concen: 52.988 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.5	13.9	41.7

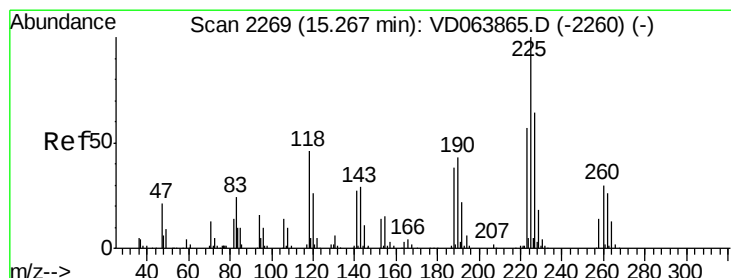
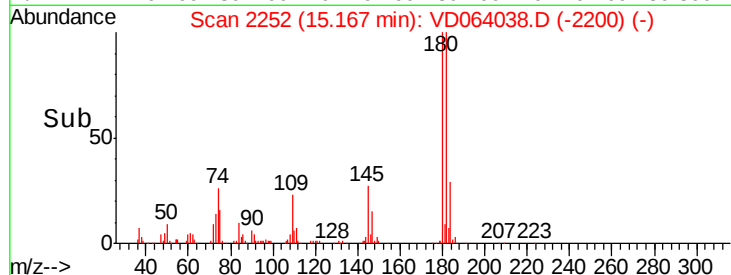
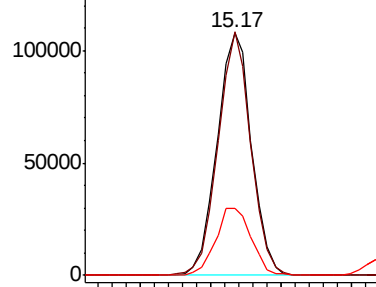


Abundance

Ion 179.80 (179.50 to 180.50): V

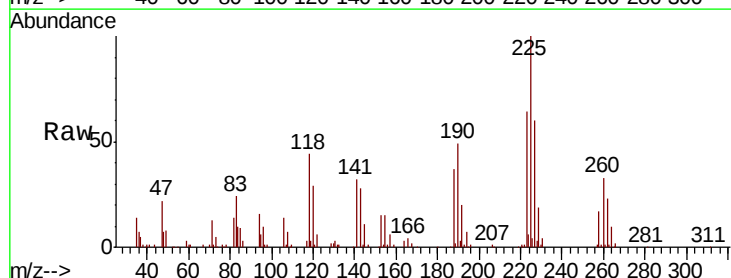
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 57.772 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064038.D
 Acq: 24 Oct 2019 10:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	29.5	88.6
227	62.8	30.8	92.4

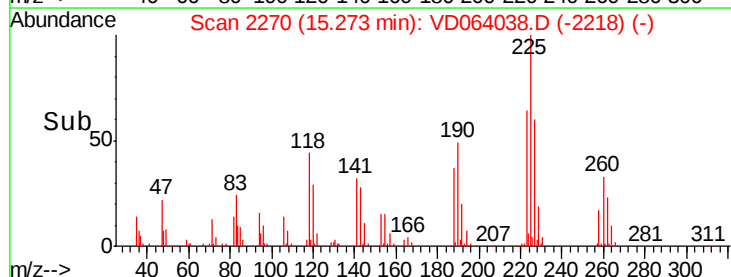
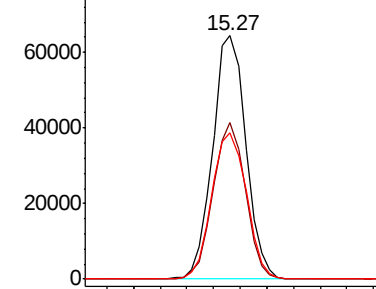


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 54.073 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

Instrument :

MSVOA_D

ClientSampleId :

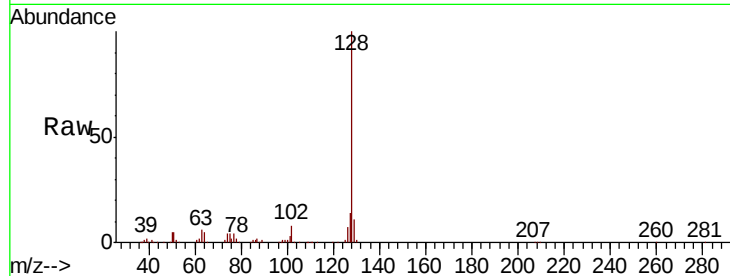
Tot Ion:128 Resp: 315660

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

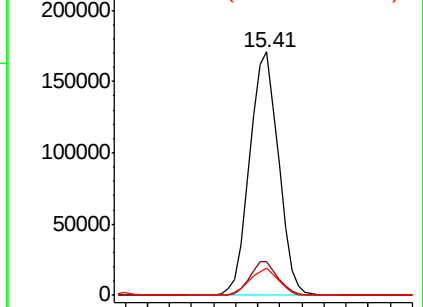
129 11.1 8.6 13.0



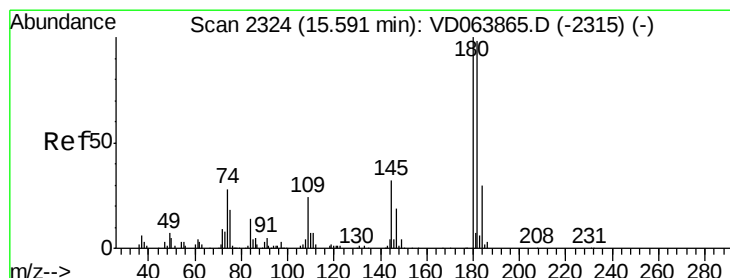
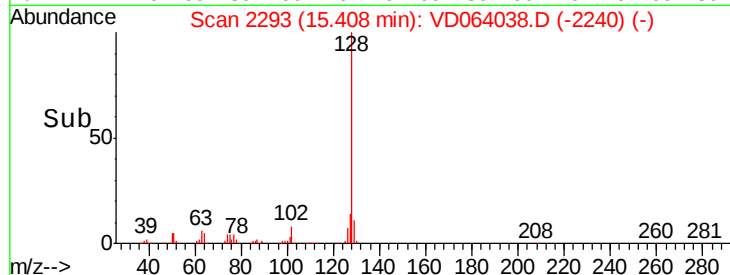
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 52.325 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD064038.D

Acq: 24 Oct 2019 10:52

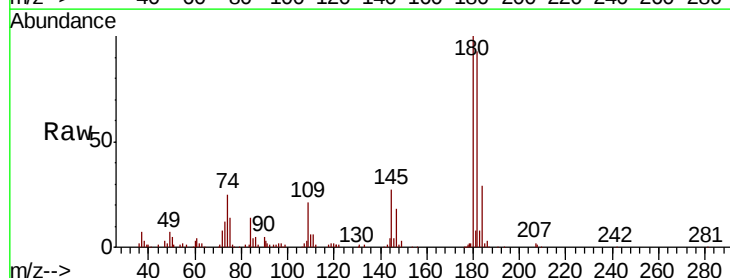
Tgt Ion:180 Resp: 156800

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.0

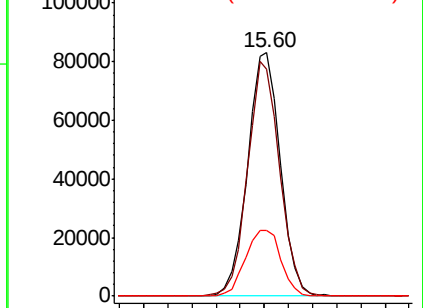
145 29.5 15.3 45.9



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



Time-->

