

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064004.D
 Acq On : 18 Oct 2019 12:05
 Operator : VA/SY
 Sample : VD1018SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:37:05 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	169624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	268030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	263495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	82180	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.92	113	83895	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	10.34	98	351672	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.64	95	113486	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	22874	19.015	ug/l	96
3) Chloromethane	2.21	50	74663	20.383	ug/l	96
4) Vinyl Chloride	2.35	62	90524	23.283	ug/l #	88
5) Bromomethane	2.76	94	50899	20.364	ug/l	85
6) Chloroethane	2.92	64	55371	21.535	ug/l	90
7) Trichlorofluoromethane	3.27	101	123197	23.966	ug/l	99
8) Diethyl Ether	3.70	74	17281	20.945	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.09	101	30566	21.481	ug/l	96
10) Methyl Iodide	4.29	142	32922	16.791	ug/l #	93
11) Tert butyl alcohol	5.25	59	8235	65.872	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	27993	19.691	ug/l	97
13) Acrolein	3.93	56	9429	63.928	ug/l	95
14) Allyl chloride	4.71	41	50363	21.309	ug/l	97
15) Acrylonitrile	5.43	53	37277	102.477	ug/l	98
16) Acetone	4.17	43	36559	85.030	ug/l #	82
17) Carbon Disulfide	4.40	76	88418	17.110	ug/l	99
18) Methyl Acetate	4.73	43	19222	22.858	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	66340	18.021	ug/l	99
20) Methylene Chloride	4.97	84	41380	19.877	ug/l #	85
21) trans-1,2-Dichloroethene	5.47	96	34169	19.308	ug/l	87
22) Diisopropyl ether	6.37	45	96453	19.982	ug/l	98
23) Vinyl Acetate	6.31	43	282738	98.463	ug/l	98
24) 1,1-Dichloroethane	6.27	63	62871	21.146	ug/l	96
25) 2-Butanone	7.23	43	47534	93.288	ug/l	99
26) 2,2-Dichloropropane	7.21	77	55156	20.507	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	39225	19.582	ug/l	99
28) Bromochloromethane	7.56	49	19958	18.862	ug/l #	96
29) Tetrahydrofuran	7.57	42	27730	93.238	ug/l	97
30) Chloroform	7.71	83	66805	20.687	ug/l	92
31) Cyclohexane	7.98	56	58288	21.431	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	57214	20.654	ug/l	94
36) 1,1-Dichloropropene	8.11	75	52950	21.606	ug/l	97
37) Ethyl Acetate	7.30	43	21717	19.681	ug/l	98
38) Carbon Tetrachloride	8.10	117	54442	21.984	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66254	21.988	ug/l	92
40) Benzene	8.35	78	150314	21.403	ug/l	99
41) Methacrylonitrile	7.53	41	10502	18.484	ug/l	93
42) 1,2-Dichloroethane	8.43	62	41067	20.215	ug/l	98
43) Isopropyl Acetate	8.46	43	39350	19.146	ug/l #	75
44) Trichloroethene	9.12	130	41984	20.732	ug/l	96
45) 1,2-Dichloropropane	9.39	63	34912	20.310	ug/l #	88
46) Dibromomethane	9.48	93	19376	19.792	ug/l	95
47) Bromodichloromethane	9.67	83	50206	19.919	ug/l	86
48) Methyl methacrylate	9.46	41	17074	17.339	ug/l	92
49) 1,4-Dioxane	9.47	88	4923	368.410	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	103353	96.965	ug/l	97
52) Toluene	10.41	92	101149	20.981	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	47379	19.264	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	59717	21.093	ug/l	90
55) 1,1,2-Trichloroethane	10.81	97	29147	21.087	ug/l	87
56) Ethyl methacrylate	10.66	69	32635	18.644	ug/l	100
57) 1,3-Dichloropropane	10.95	76	49031	20.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	71474	94.994	ug/l	99
59) 2-Hexanone	10.99	43	74152	96.173	ug/l	100
60) Dibromochloromethane	11.14	129	35876	19.936	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27170	20.275	ug/l	95
64) Tetrachloroethene	10.88	164	37681	20.948	ug/l	97
65) Chlorobenzene	11.67	112	113016	21.357	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	39656	20.338	ug/l	95
67) Ethyl Benzene	11.75	91	204520	21.434	ug/l	97
68) m/p-Xylenes	11.86	106	154503	41.950	ug/l	98
69) o-Xylene	12.18	106	75144	21.308	ug/l	92
70) Styrene	12.20	104	124135	20.793	ug/l	99
71) Bromoform	12.37	173	20496	19.586	ug/l #	97
73) Isopropylbenzene	12.48	105	199600	20.776	ug/l	98
74) N-amyl acetate	12.30	43	37062	17.918	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	32976	19.725	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	42061	43.943	ug/l #	100
77) Bromobenzene	12.76	156	46741	19.528	ug/l	95
78) n-propylbenzene	12.83	91	243177	21.564	ug/l	98
79) 2-Chlorotoluene	12.91	91	130814	21.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	170962	21.330	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10135	18.737	ug/l	97
82) 4-Chlorotoluene	13.01	91	136061	20.628	ug/l	100
83) tert-Butylbenzene	13.23	119	145896	20.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	171170	20.716	ug/l	99
85) sec-Butylbenzene	13.41	105	211455	21.951	ug/l	99
86) p-Isopropyltoluene	13.52	119	190448	20.893	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	96690	20.444	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96310	20.642	ug/l	97
89) n-Butylbenzene	13.85	91	189641	22.350	ug/l	97
90) Hexachloroethane	14.11	117	34715	21.175	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	83765	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5301	18.879	ug/l	92

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

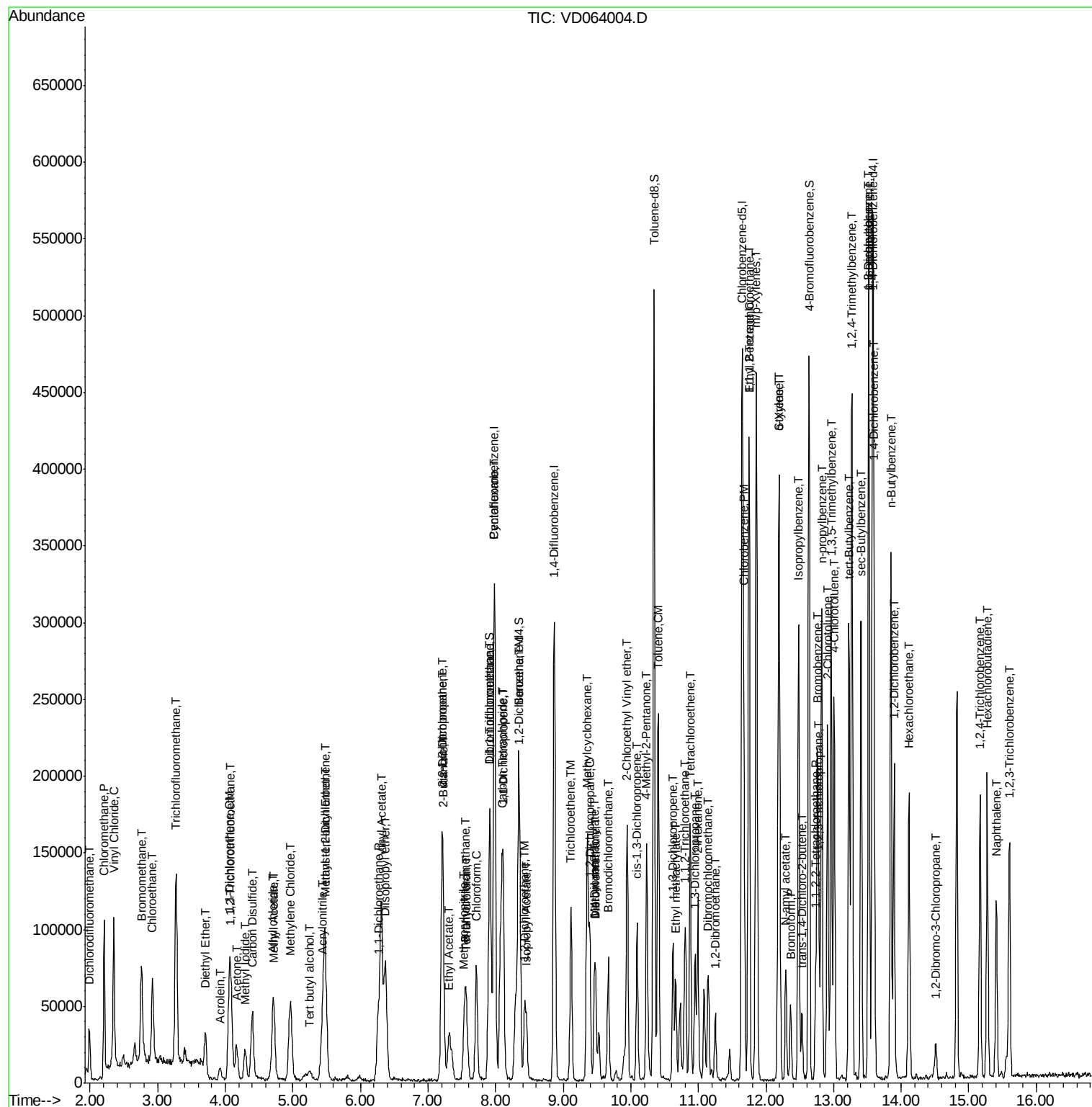
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59240	18.837	ug/l	99
94) Hexachlorobutadiene	15.27	225	36921	21.275	ug/l	98
95) Naphthalene	15.41	128	101698	19.240	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	51309	18.910	ug/l	98

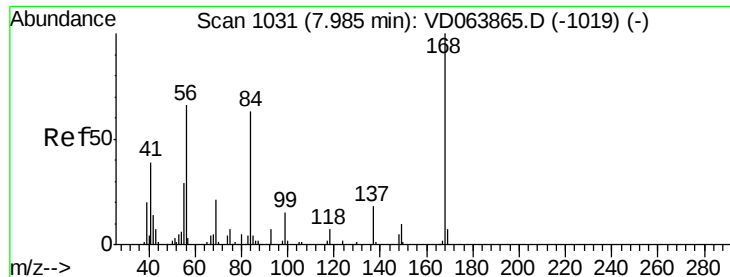
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

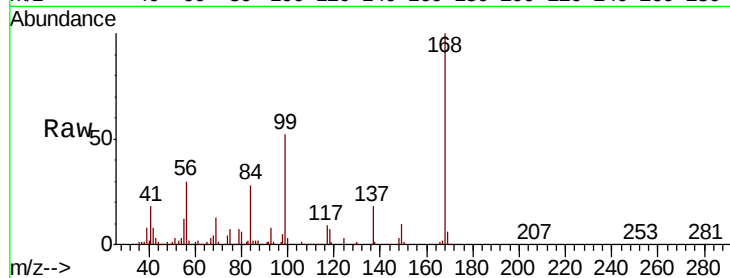
ClientSampleId :

Tot Ion:168 Resp: 169624

Ion Ratio Lower Upper

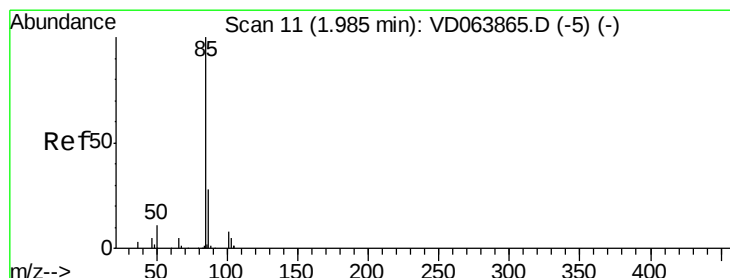
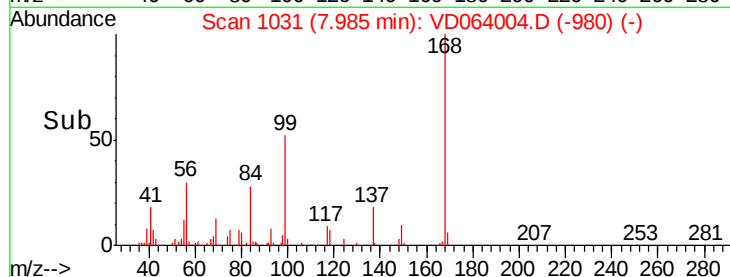
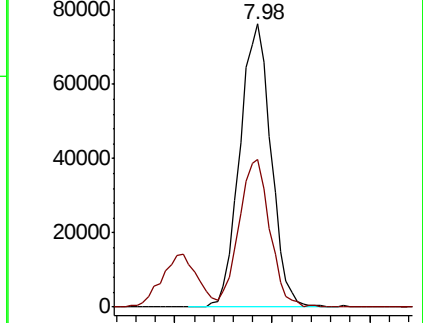
168 100

99 51.8 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: 19.015 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064004.D

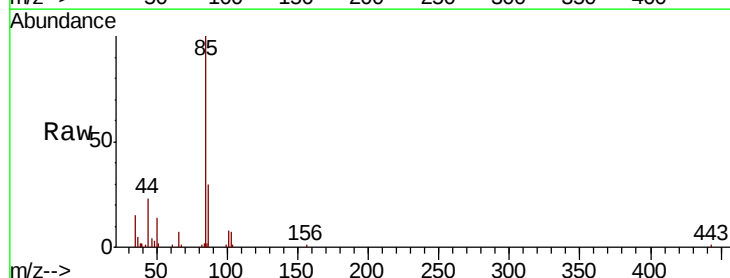
Acq: 18 Oct 2019 12:05

Tgt Ion: 85 Resp: 22874

Ion Ratio Lower Upper

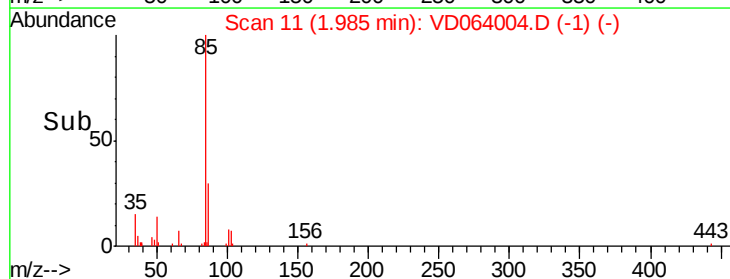
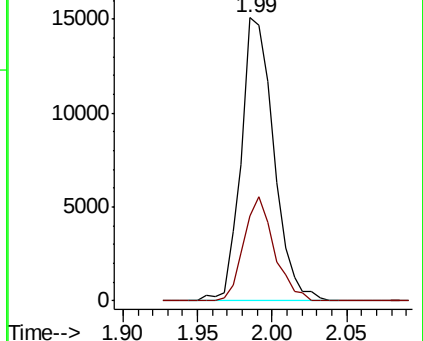
85 100

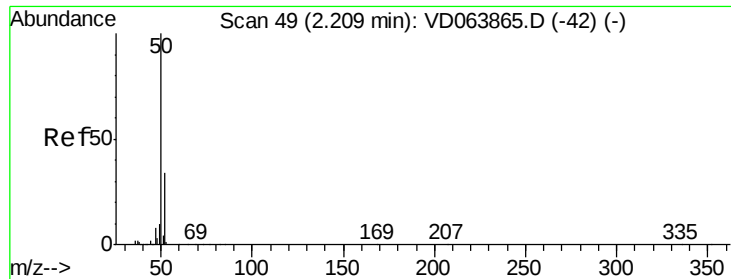
87 29.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.383 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

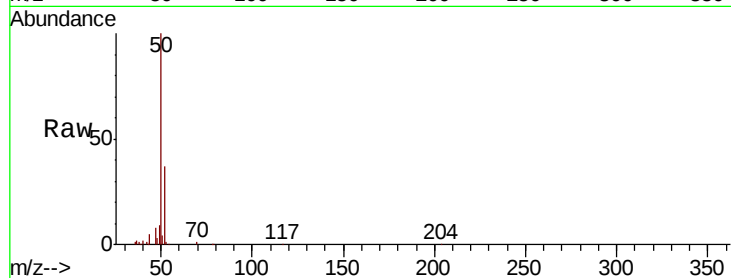
ClientSampleId :

Tot Ion: 50 Resp: 74663

Ion Ratio Lower Upper

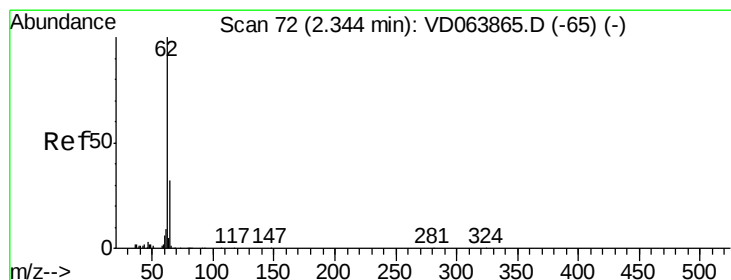
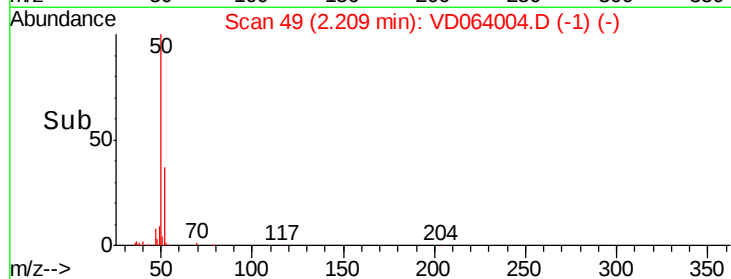
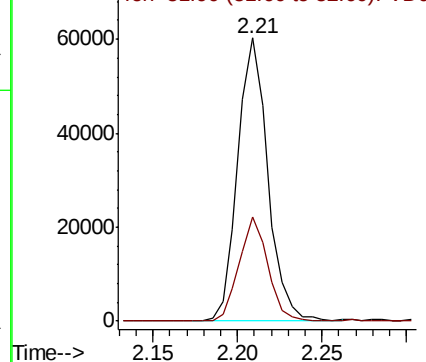
50 100

52 37.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.283 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064004.D

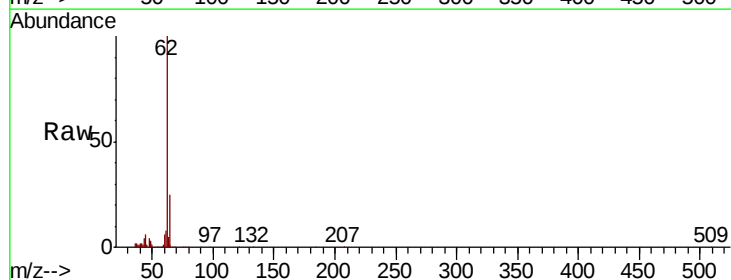
Acq: 18 Oct 2019 12:05

Tgt Ion: 62 Resp: 90524

Ion Ratio Lower Upper

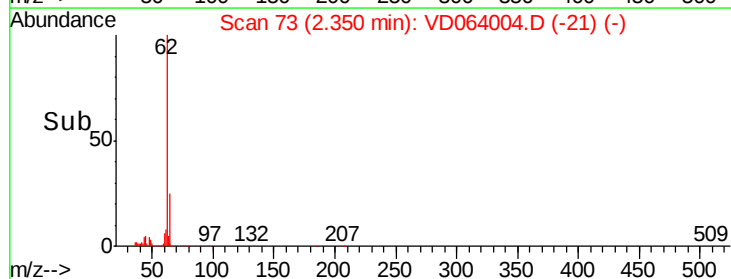
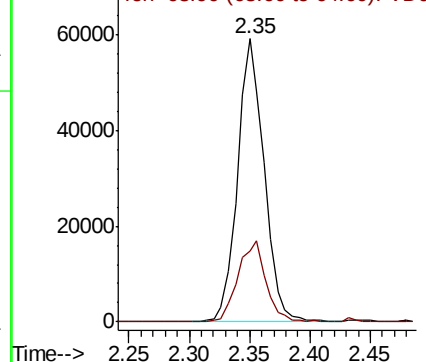
62 100

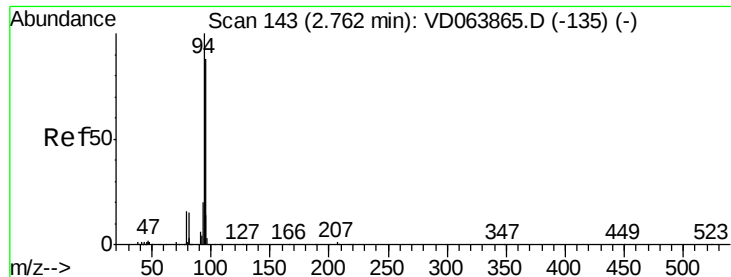
64 25.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.364 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

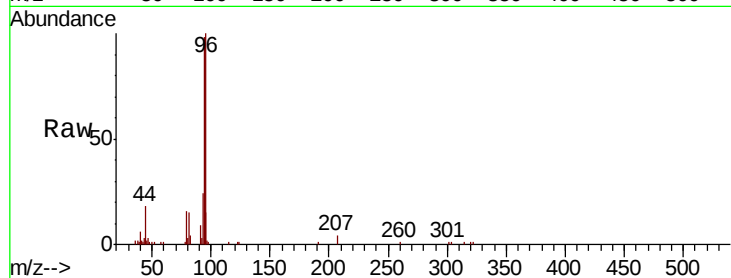
ClientSampleId :

Tot Ion: 94 Resp: 50899

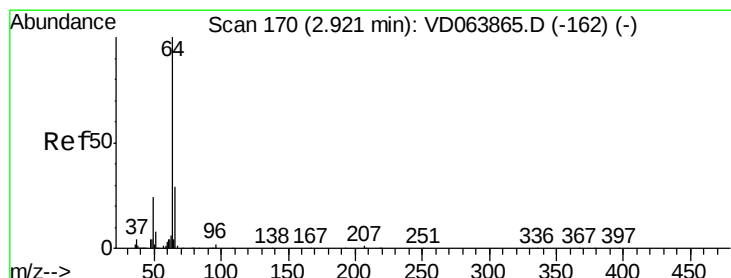
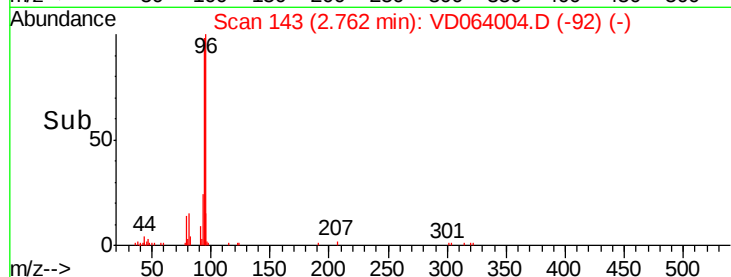
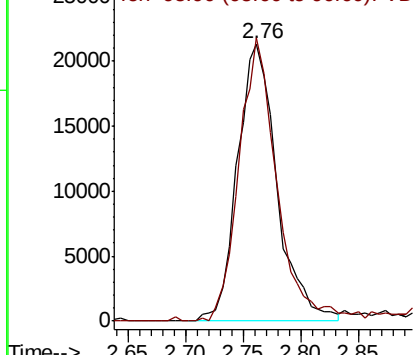
Ion Ratio Lower Upper

94 100

96 102.1 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.535 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064004.D

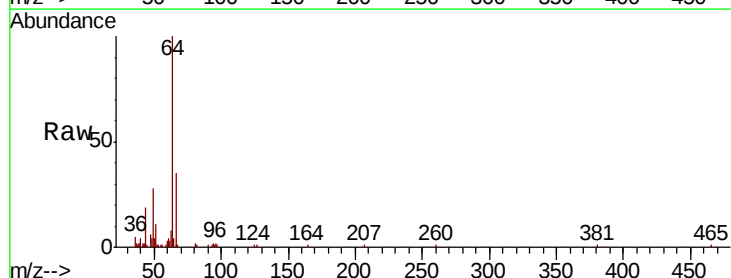
Acq: 18 Oct 2019 12:05

Tgt Ion: 64 Resp: 55371

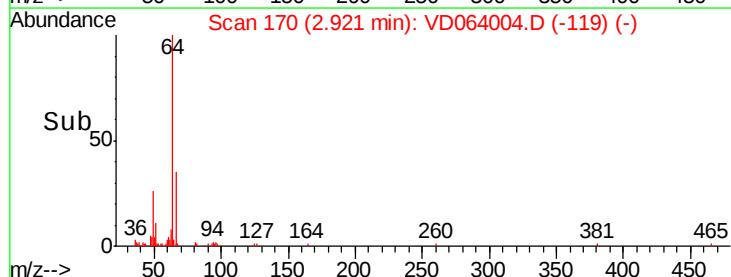
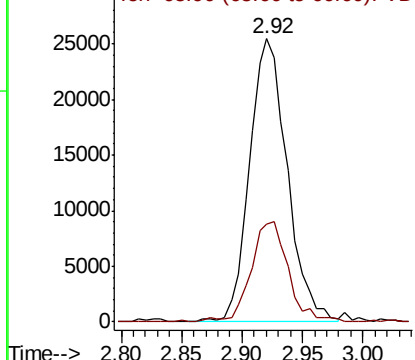
Ion Ratio Lower Upper

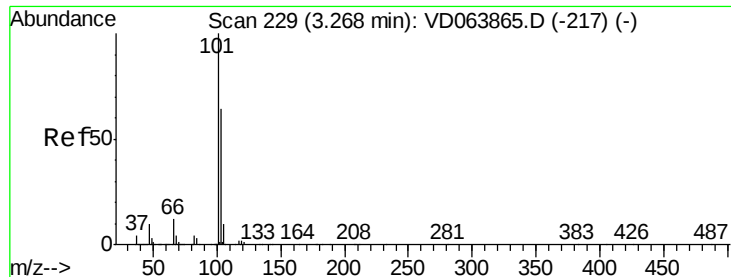
64 100

66 33.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 23.966 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

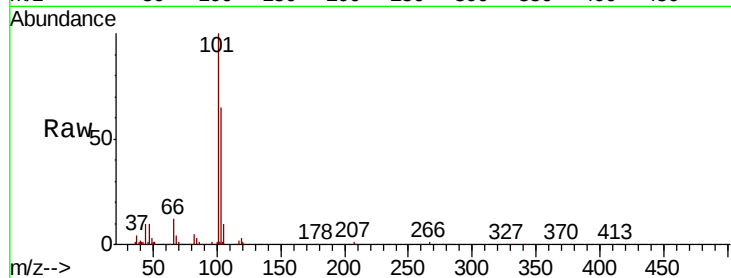
ClientSampleId :

Tot Ion:101 Resp: 123197

Ion Ratio Lower Upper

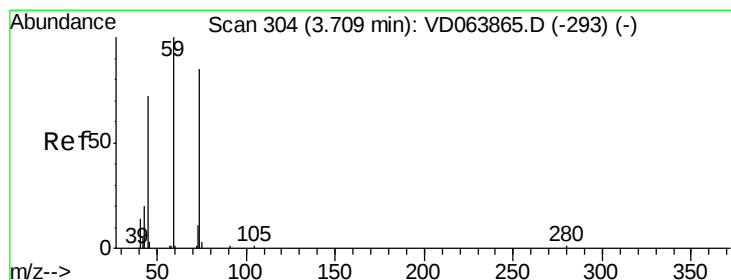
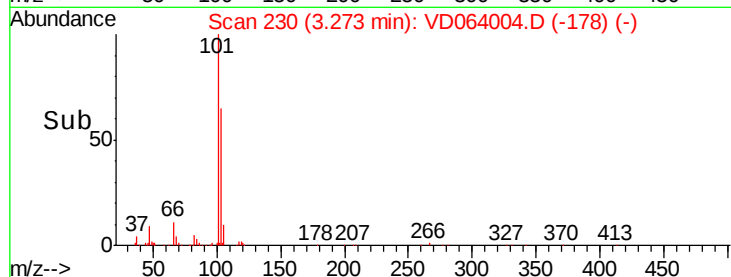
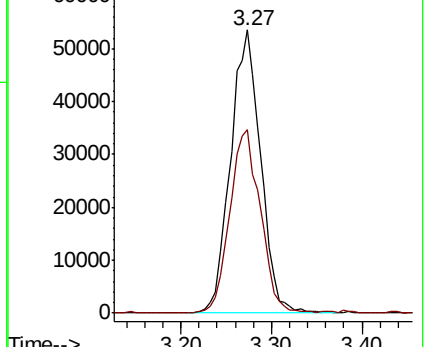
101 100

103 64.8 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.945 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064004.D

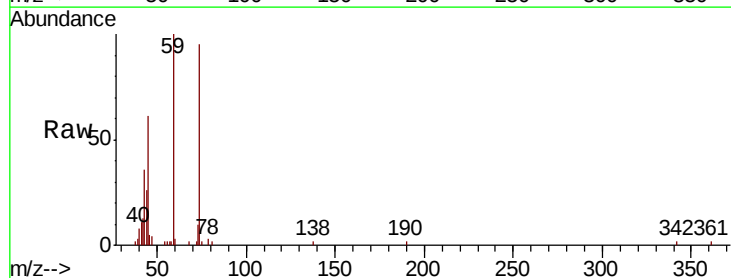
Acq: 18 Oct 2019 12:05

Tgt Ion: 74 Resp: 17281

Ion Ratio Lower Upper

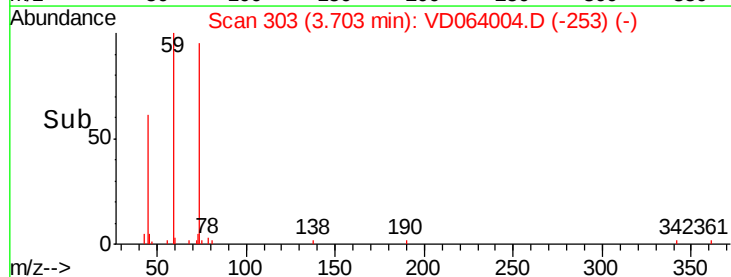
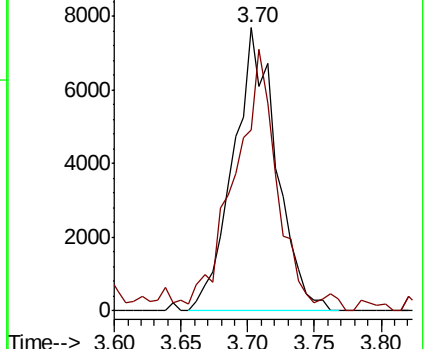
74 100

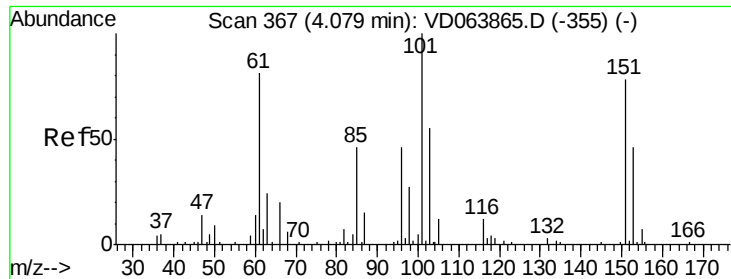
45 82.5 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.481 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

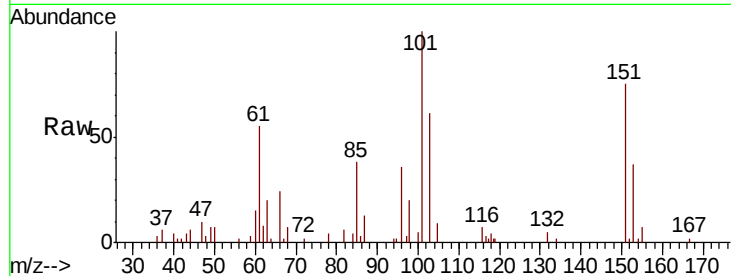
Tot Ion:101 Resp: 30566

Ion Ratio Lower Upper

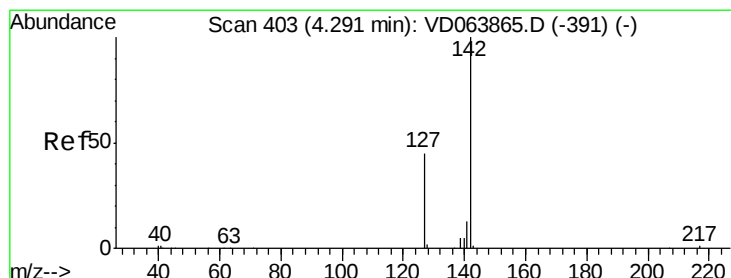
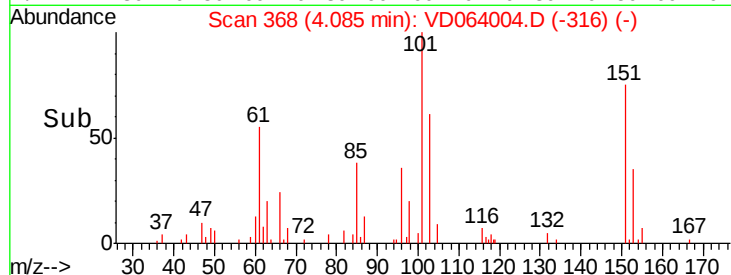
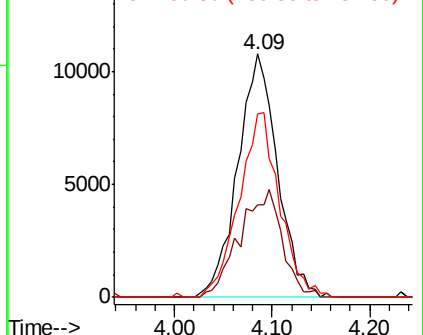
101 100

85 47.4 37.5 56.3

151 77.3 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: 16.791 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

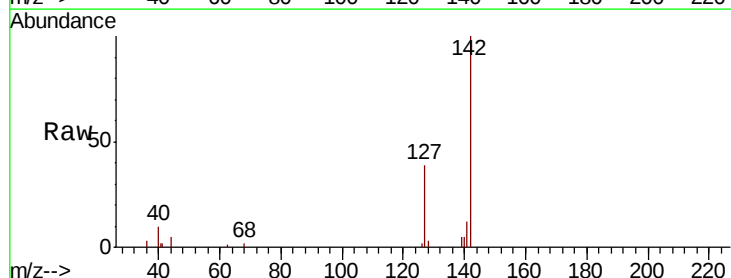
Tgt Ion:142 Resp: 32922

Ion Ratio Lower Upper

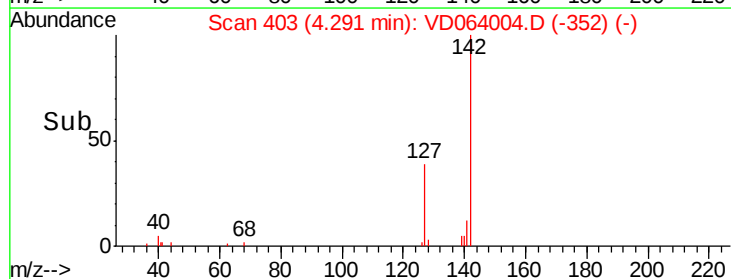
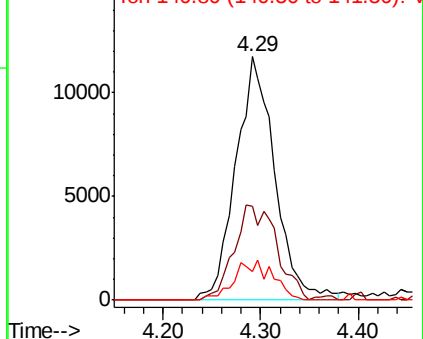
142 100

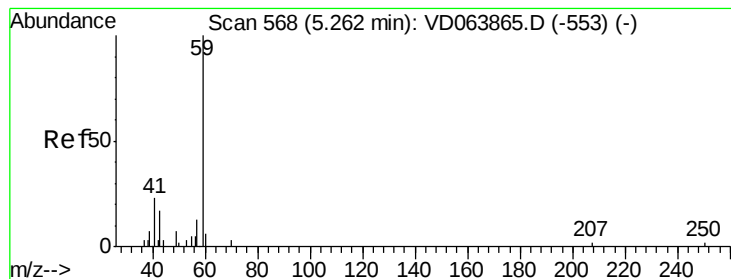
127 42.2 35.3 52.9

141 8.0 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



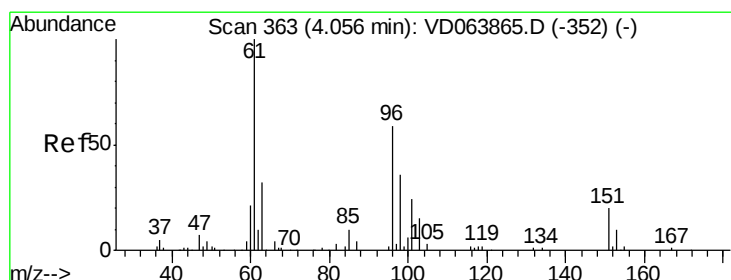
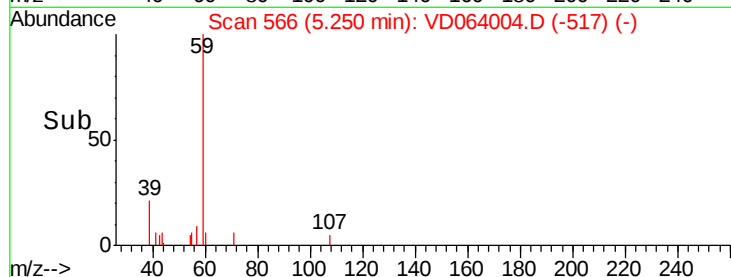
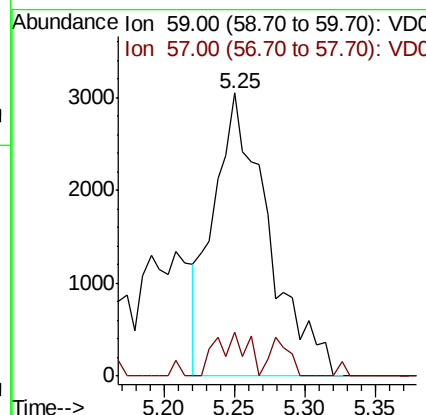
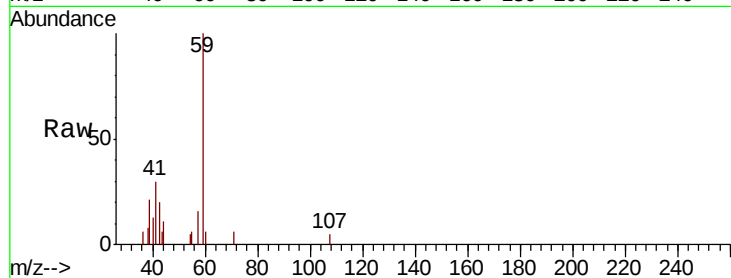


#11

Tert butyl alcohol
Concen: 65.872 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampled :

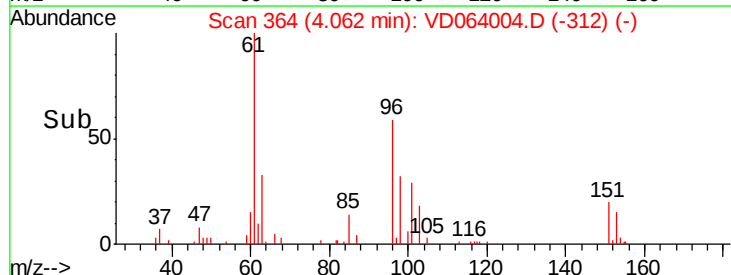
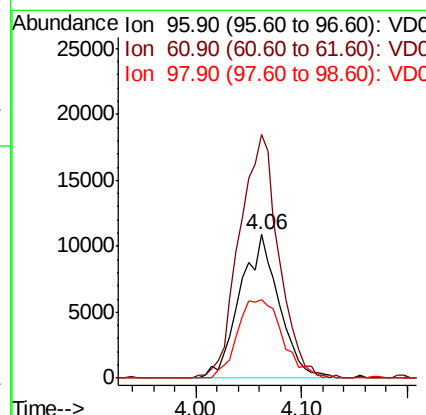
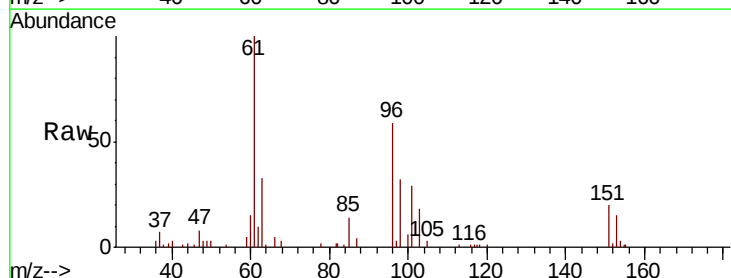
Tot Ion: 59 Resp: 8235
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

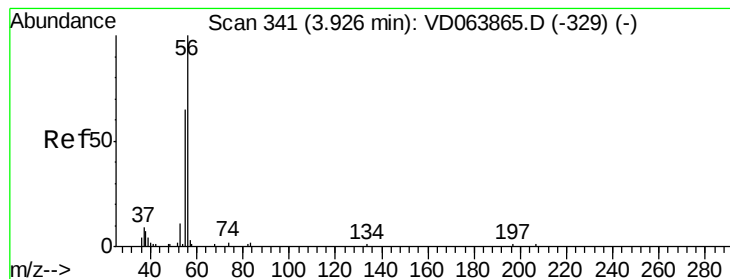


#12

1,1-Dichloroethene
Concen: 19.691 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 96 Resp: 27993
Ion Ratio Lower Upper
96 100
61 169.9 135.6 203.4
98 54.6 49.2 73.8





#13

Acrolein

Concen: 63.928 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

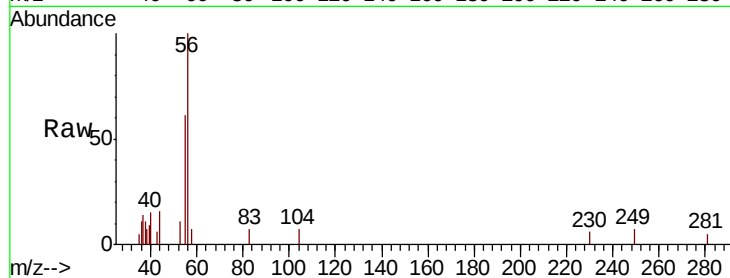
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9429

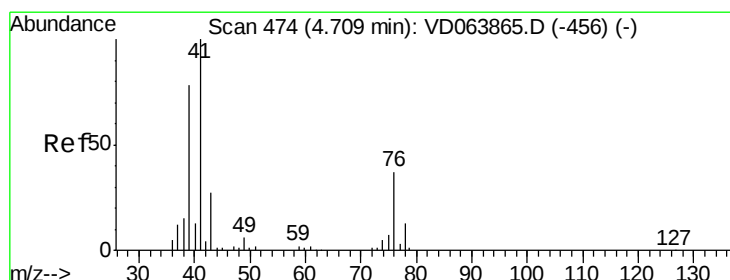
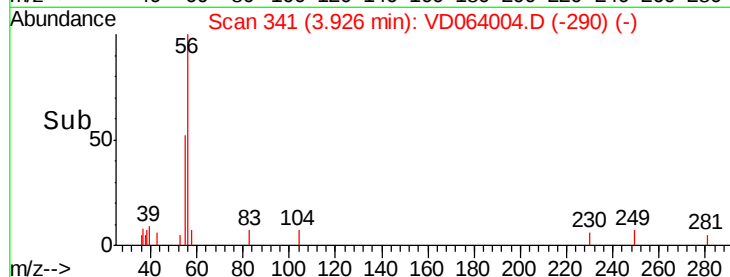
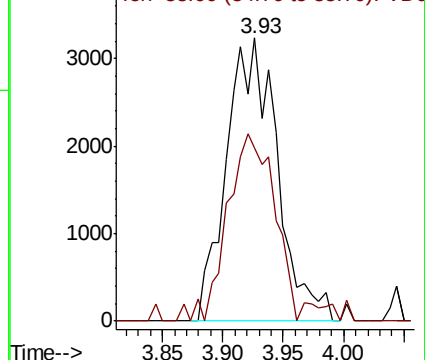
Ion Ratio Lower Upper

56 100

55 62.5 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: 21.309 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

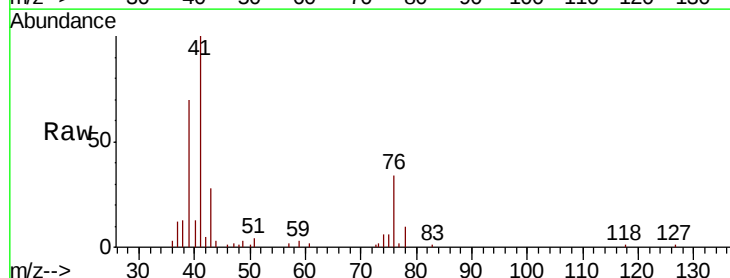
Tgt Ion: 41 Resp: 50363

Ion Ratio Lower Upper

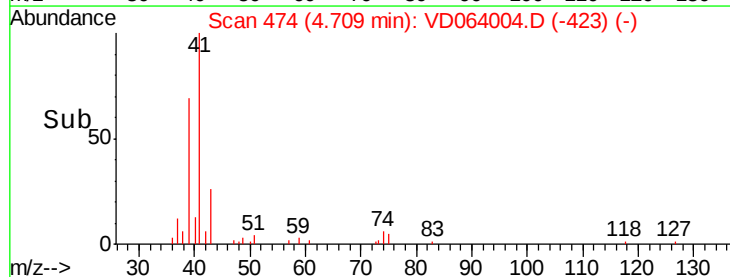
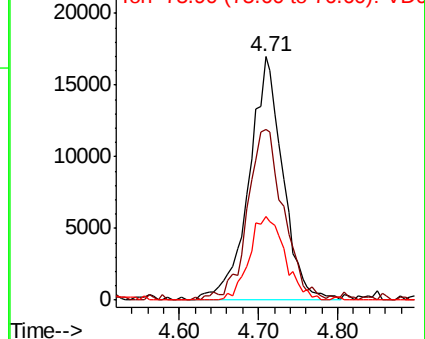
41 100

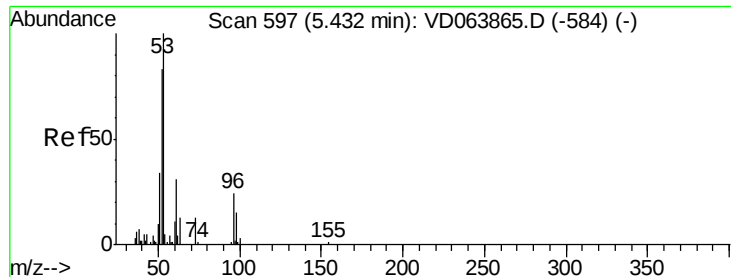
39 74.9 61.8 92.6

76 36.1 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: 102.477 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

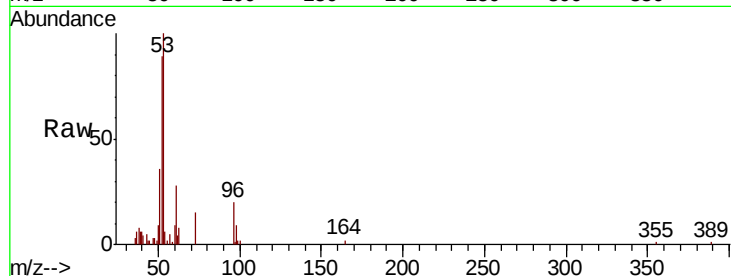
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 37277

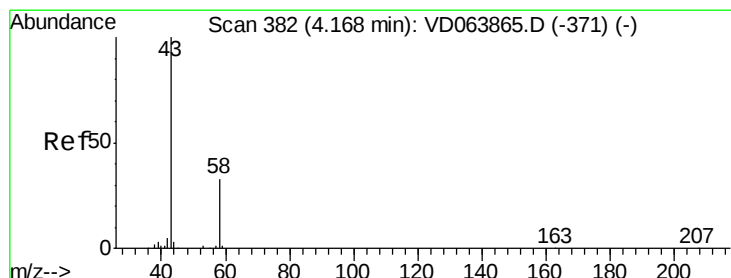
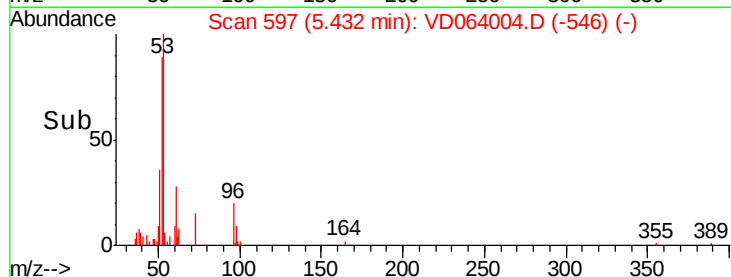
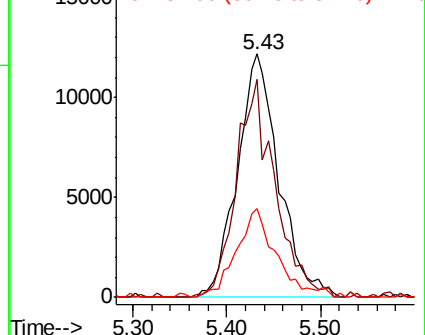
Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.3	100.9
51	35.1	30.5	45.7



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: 85.030 ug/l

RT: 4.17 min Scan# 382

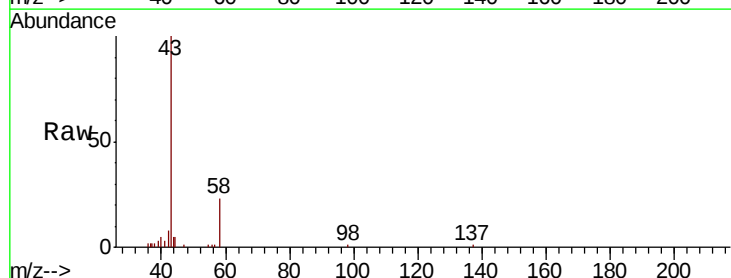
Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

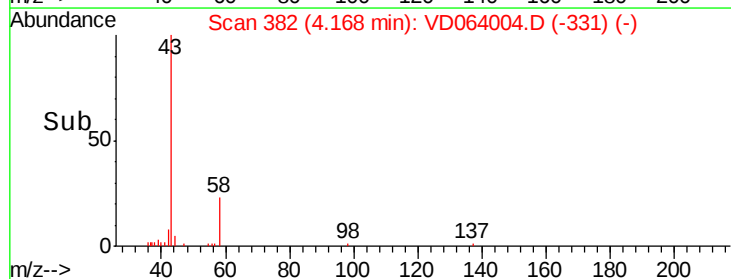
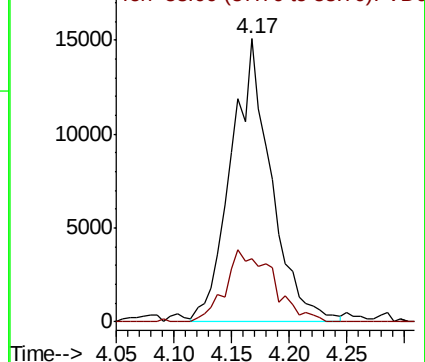
Tgt Ion: 43 Resp: 36559

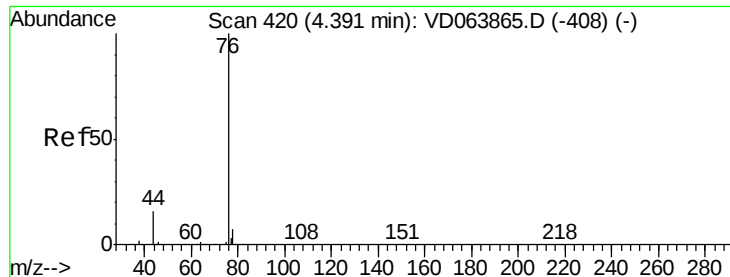
Ion	Ratio	Lower	Upper
43	100		
58	22.8	26.2	39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 17.110 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

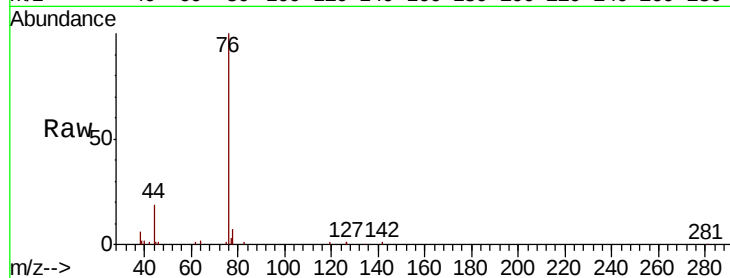
ClientSampleId :

Tot Ion: 76 Resp: 88418

Ion Ratio Lower Upper

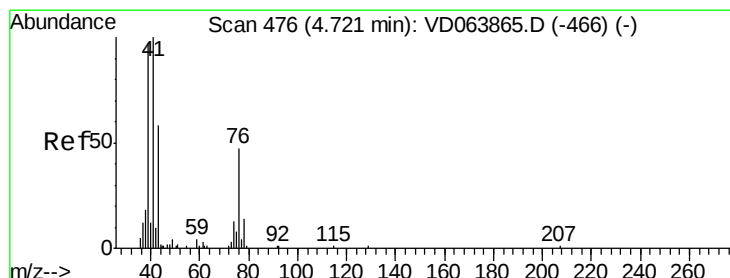
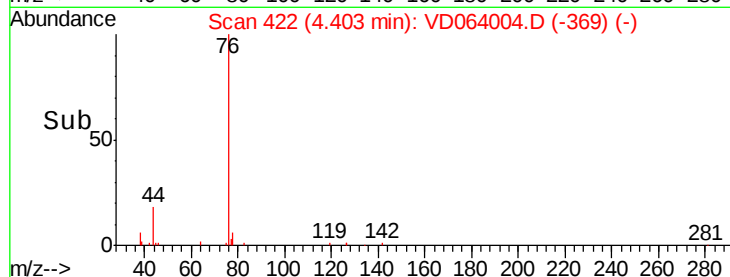
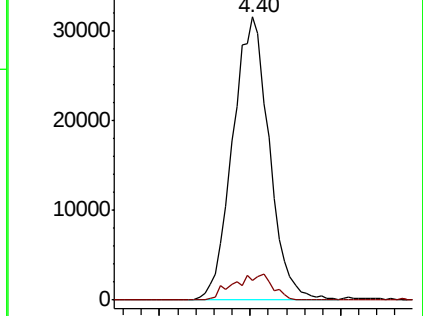
76 100

78 7.0 5.8 8.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.858 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064004.D

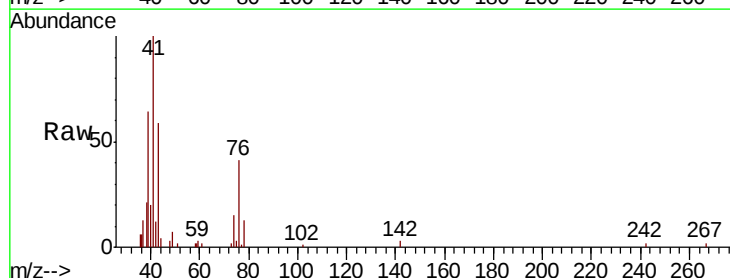
Acq: 18 Oct 2019 12:05

Tgt Ion: 43 Resp: 19222

Ion Ratio Lower Upper

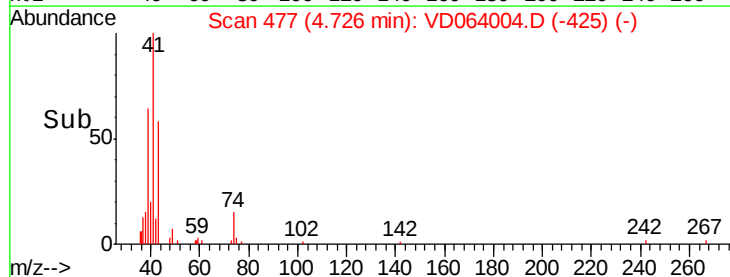
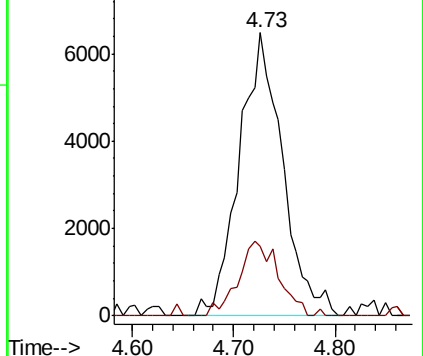
43 100

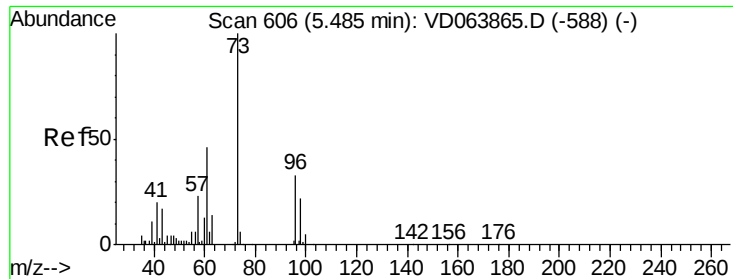
74 24.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

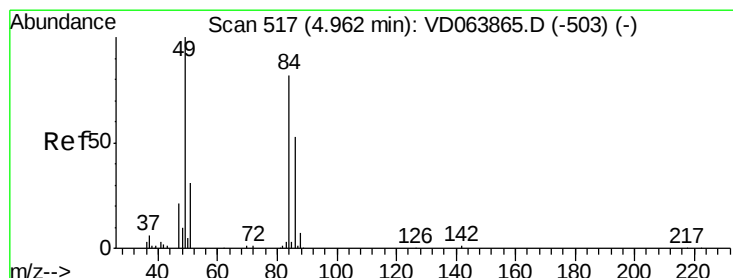
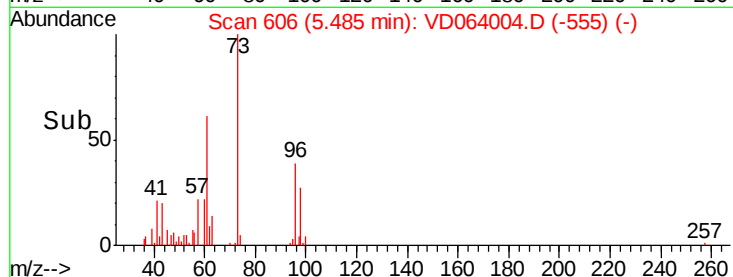
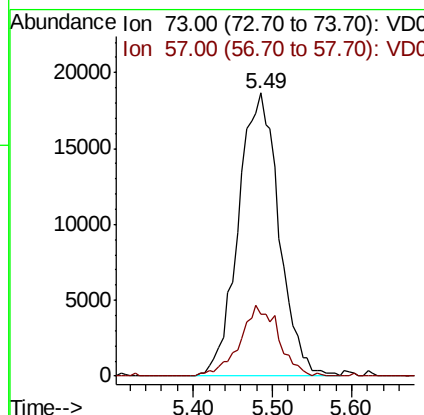
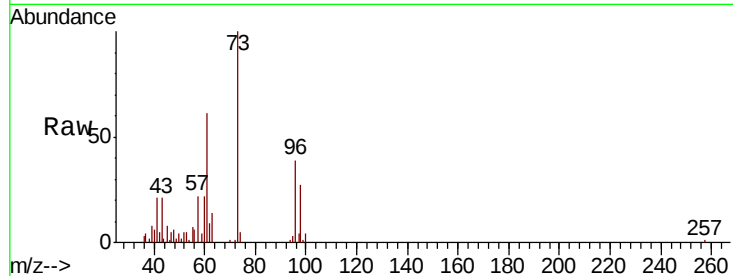




#19
Methyl tert-butyl Ether
Concen: 18.021 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

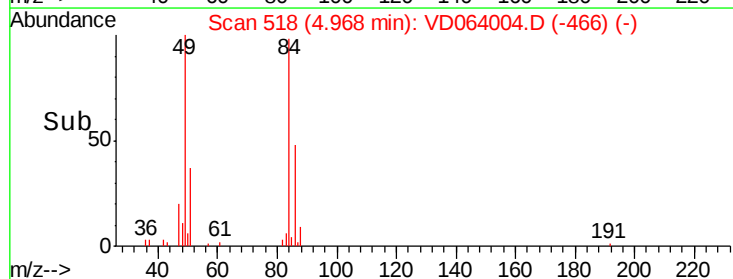
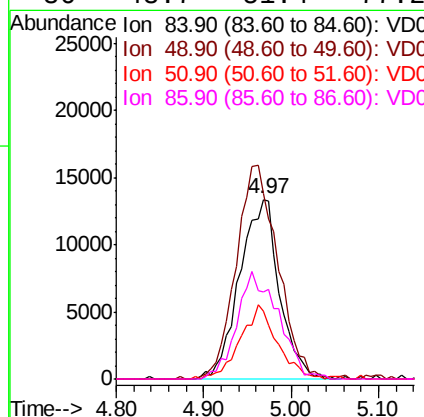
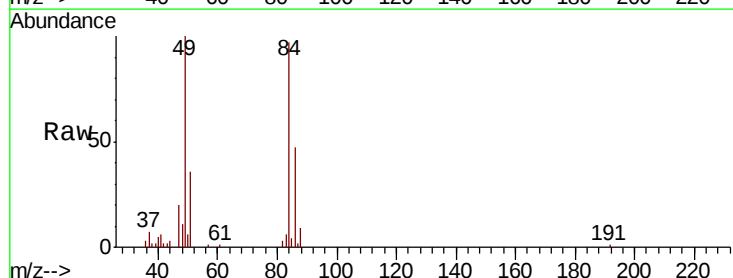
Instrument :
MSVOA_D
ClientSampleId :

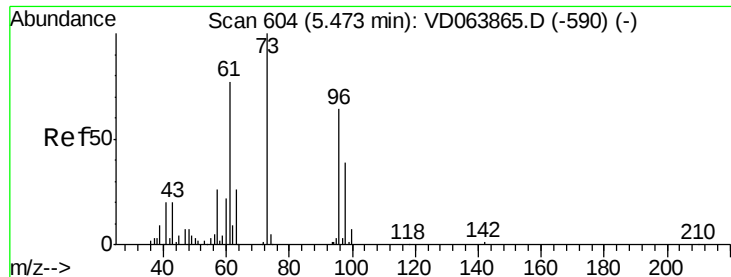
Tot Ion: 73 Resp: 66340
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 19.877 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 84 Resp: 41380
Ion Ratio Lower Upper
84 100
49 103.5 97.3 145.9
51 37.4 30.1 45.1
86 48.7 51.4 77.2#





#21

trans-1,2-Dichloroethene

Concen: 19.308 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

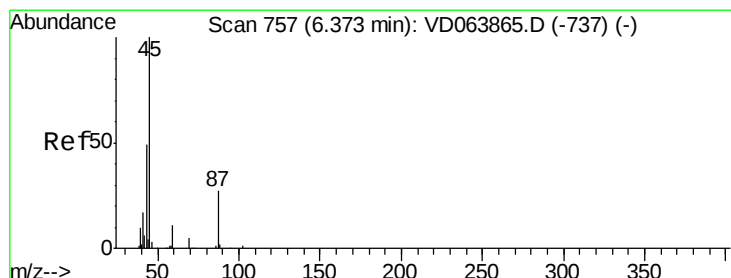
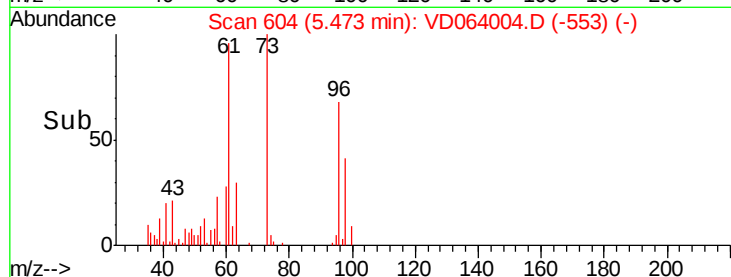
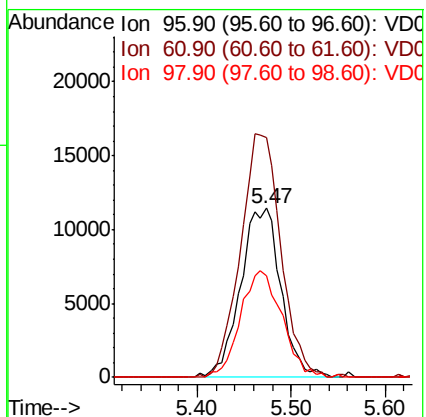
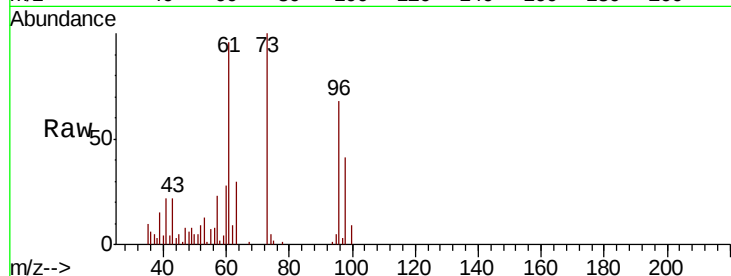
Tot Ion: 96 Resp: 34169

Ion Ratio Lower Upper

96 100

61 141.9 96.6 145.0

98 60.5 48.7 73.1



#22

Diisopropyl ether

Concen: 19.982 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Tgt Ion: 45 Resp: 96453

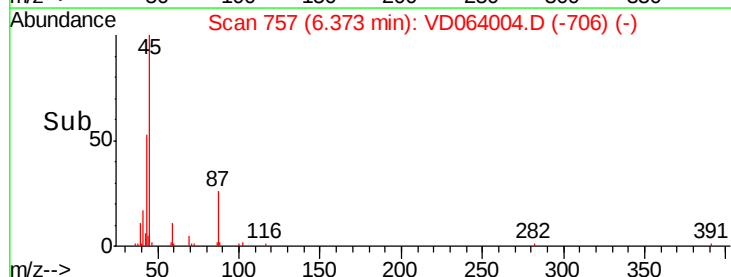
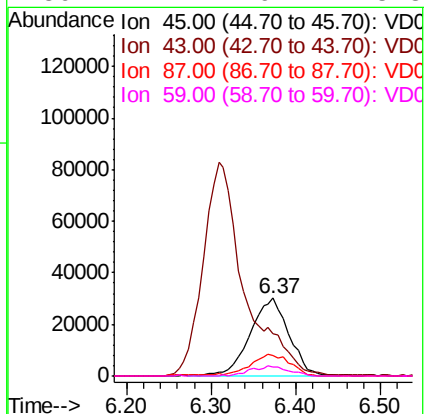
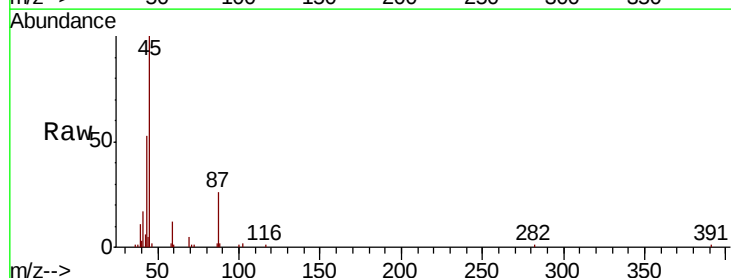
Ion Ratio Lower Upper

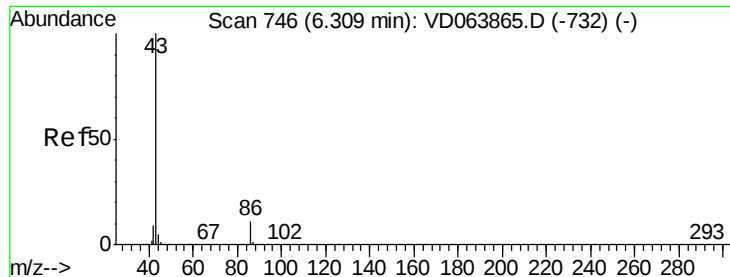
45 100

43 52.1 41.2 61.8

87 25.9 22.2 33.4

59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 98.463 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

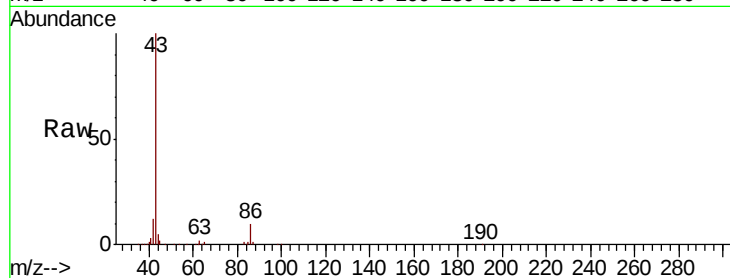
ClientSampleId :

Tot Ion: 43 Resp: 282738

Ion Ratio Lower Upper

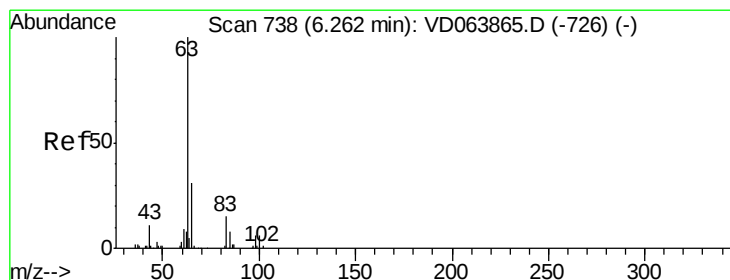
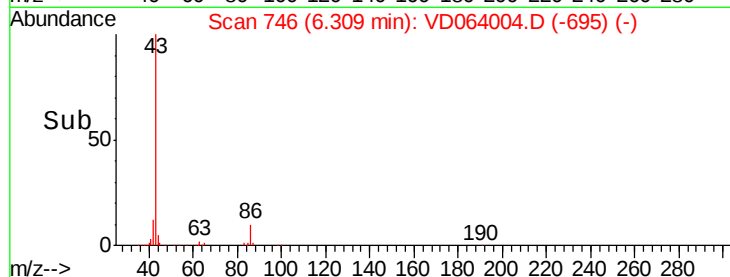
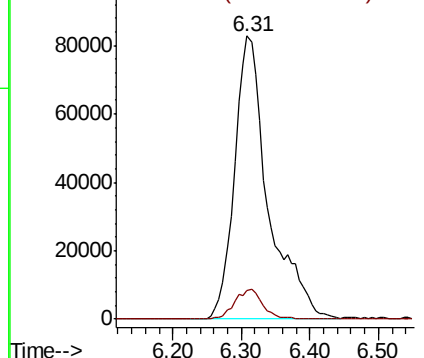
43 100

86 10.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.146 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

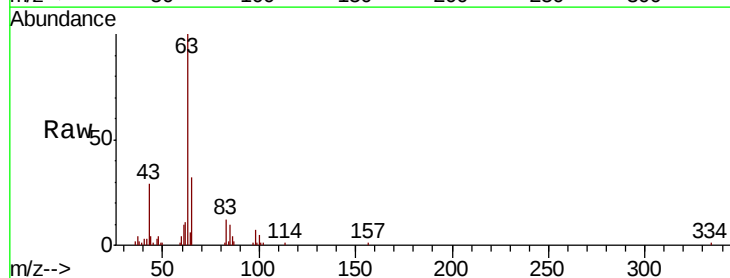
Tgt Ion: 63 Resp: 62871

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.4

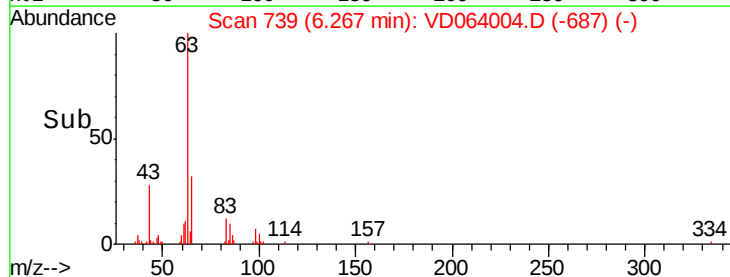
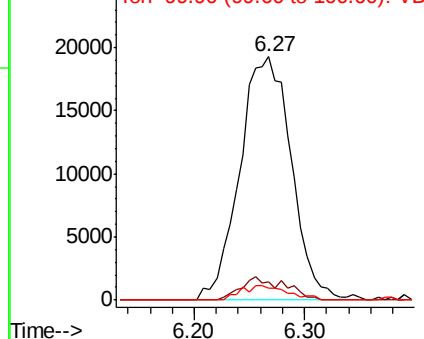
100 4.7 3.0 9.2

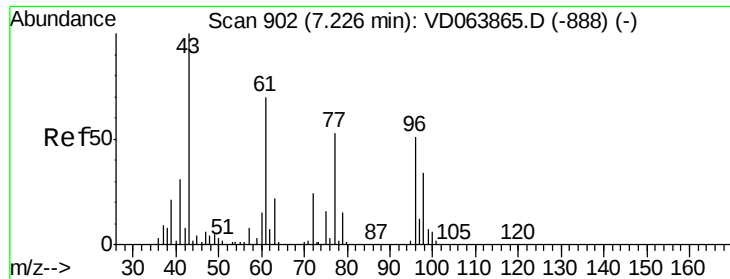


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 93.288 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

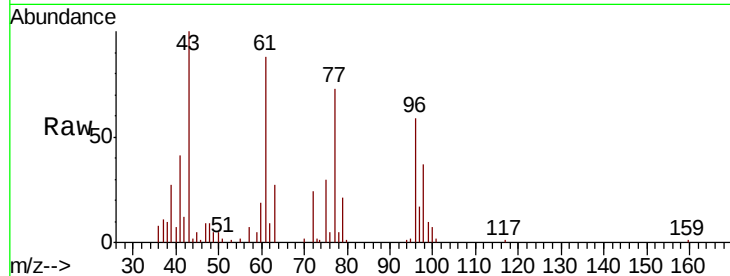
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 47534

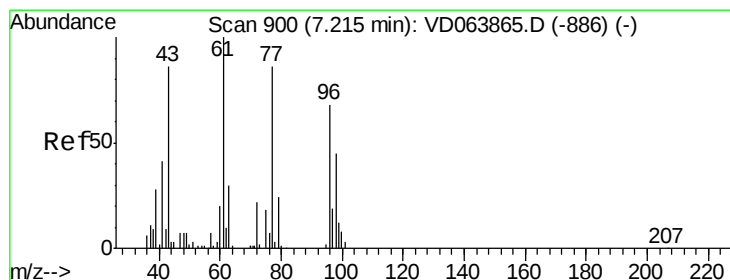
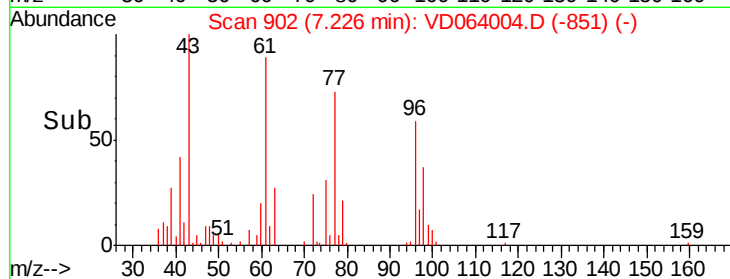
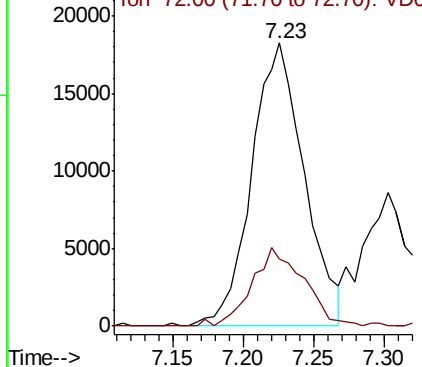
Ion Ratio Lower Upper

43 100

72 23.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.507 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064004.D

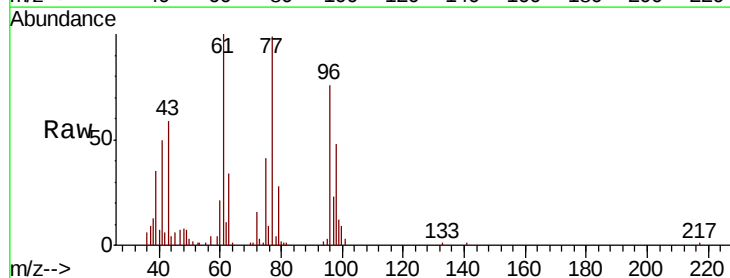
Acq: 18 Oct 2019 12:05

Tgt Ion: 77 Resp: 55156

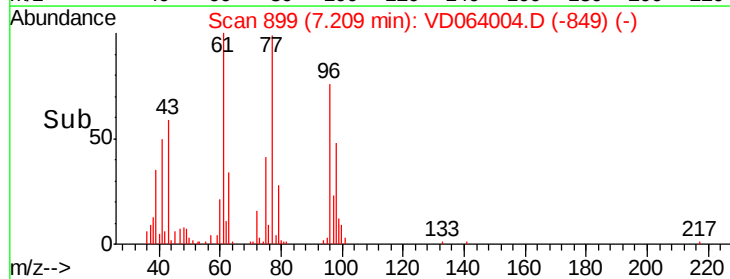
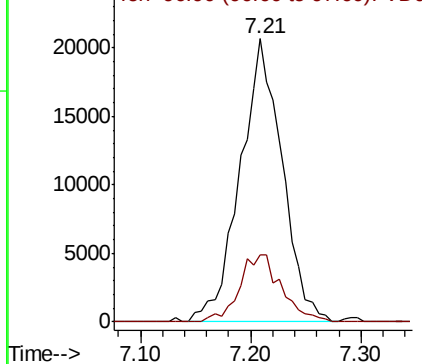
Ion Ratio Lower Upper

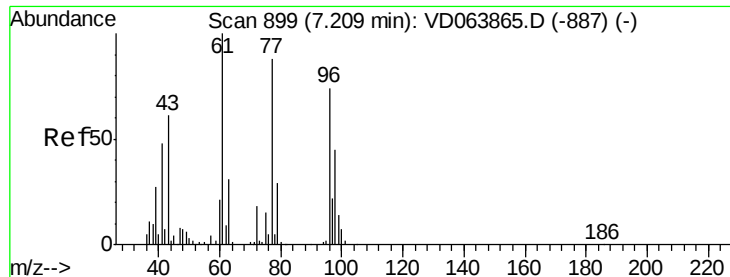
77 100

97 23.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC

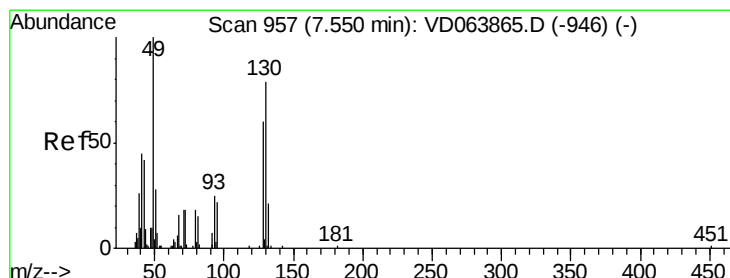
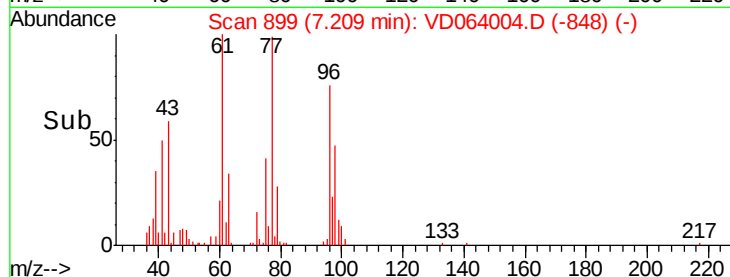
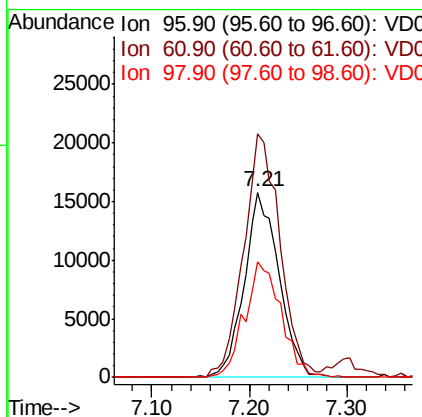
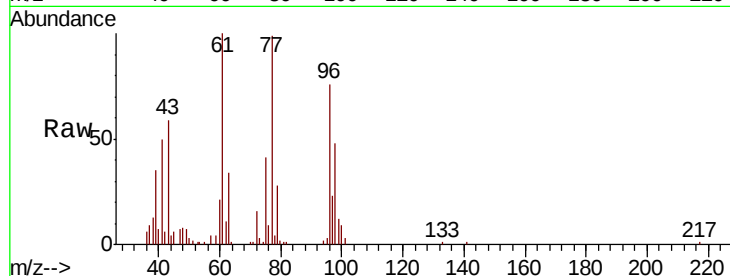




#27
 cis-1,2-Dichloroethene
 Concen: 19.582 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

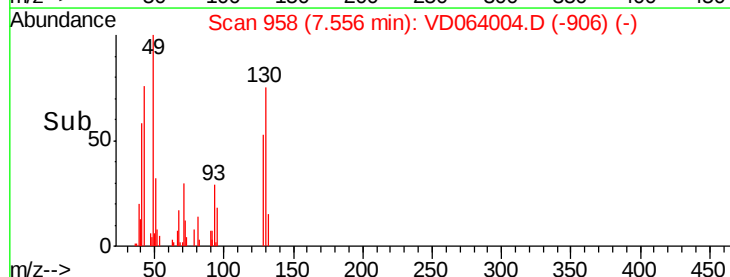
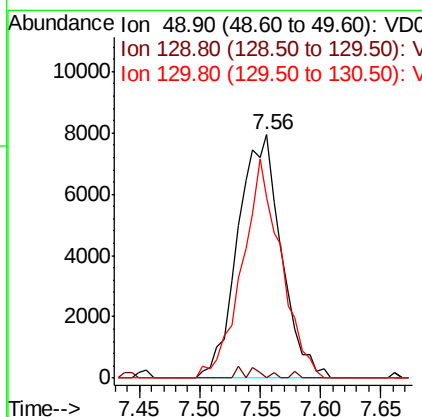
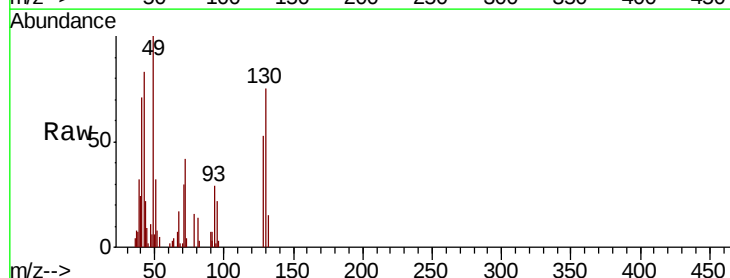
Instrument :
 MSVOA_D
 ClientSampleId :

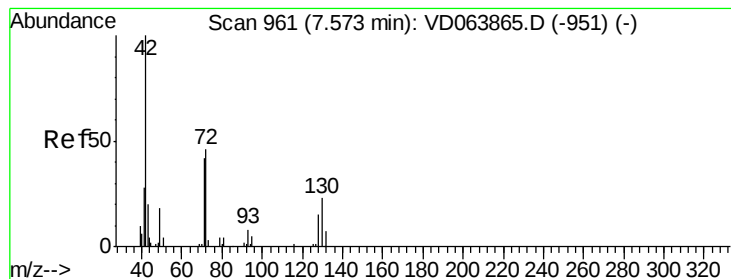
Tot Ion: 96 Resp: 39225
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 280.0
 98 65.9 0.0 130.4



#28
 Bromochloromethane
 Concen: 18.862 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 49 Resp: 19958
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.6
 130 80.4 66.8 100.2





#29

Tetrahydrofuran

Concen: 93.238 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampled :

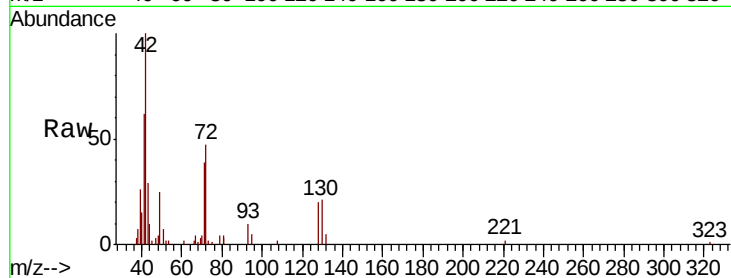
Tot Ion: 42 Resp: 27730

Ion Ratio Lower Upper

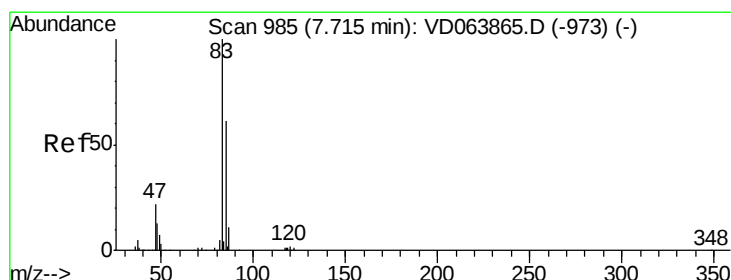
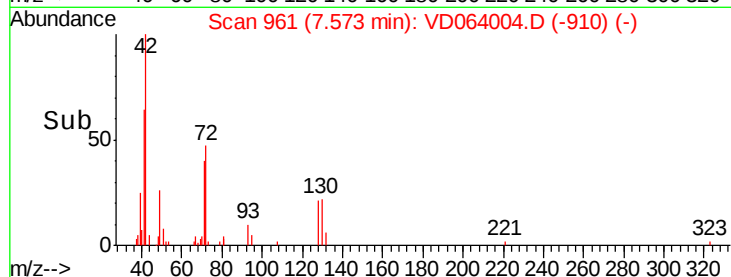
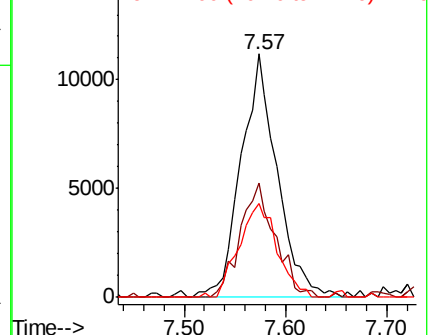
42 100

72 45.7 37.6 56.4

71 40.7 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: 20.687 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064004.D

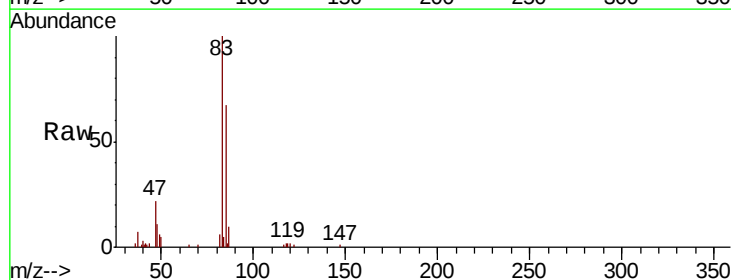
Acq: 18 Oct 2019 12:05

Tgt Ion: 83 Resp: 66805

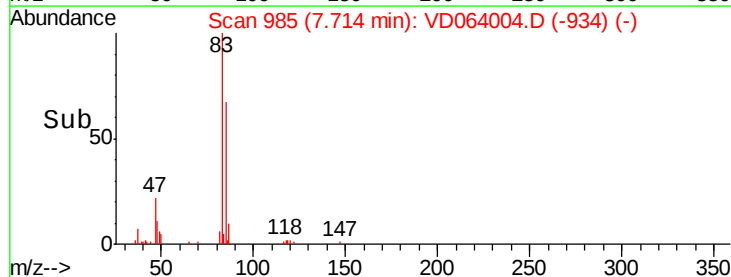
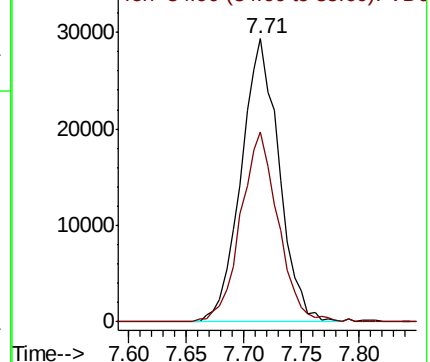
Ion Ratio Lower Upper

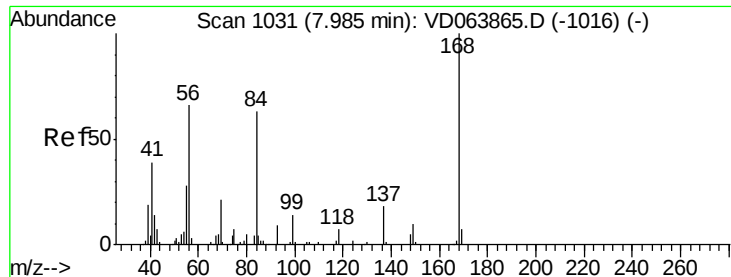
83 100

85 67.2 48.9 73.3



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

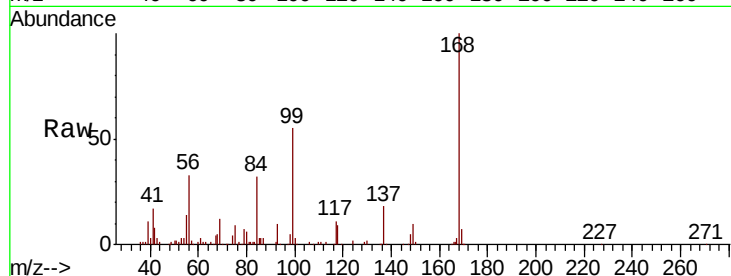




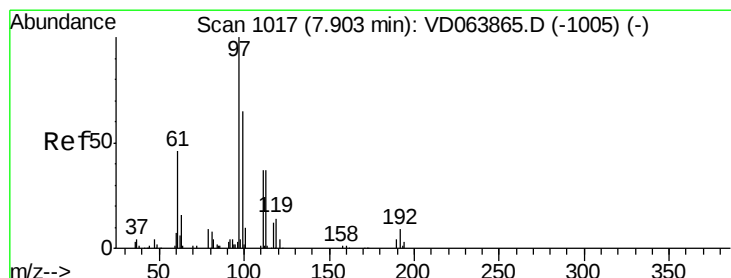
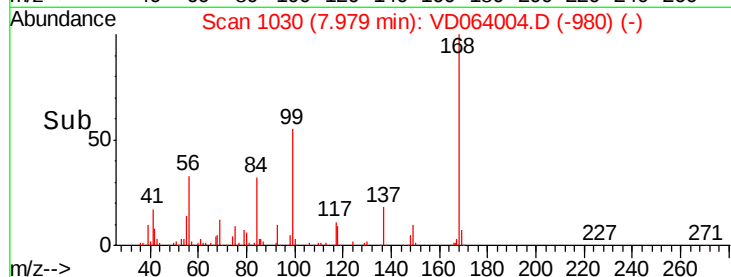
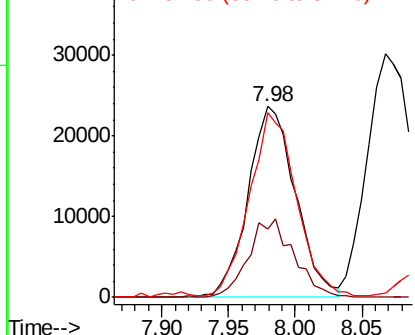
#31
Cvclohexane
Concen: 21.431 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 58288
Ion Ratio Lower Upper
56 100
69 35.0 25.0 37.4
84 95.2 76.3 114.5

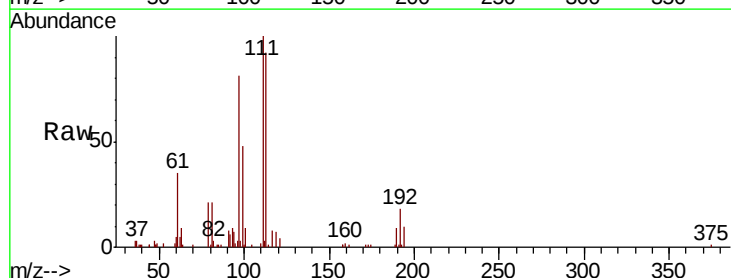


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

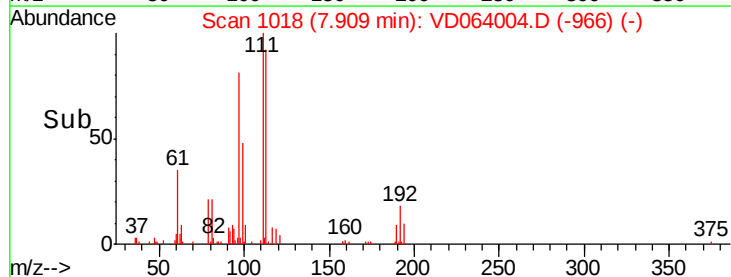
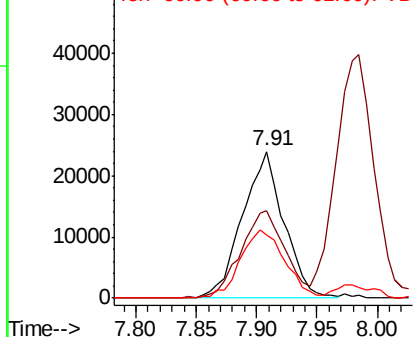


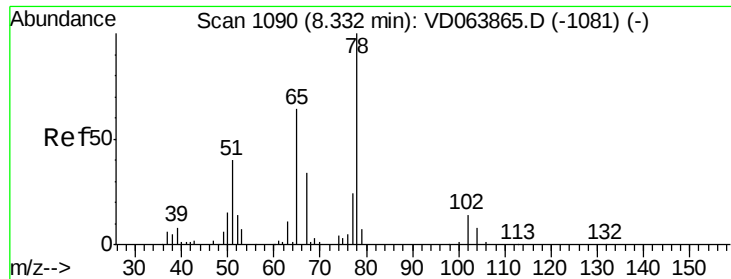
#32
1,1,1-Trichloroethane
Concen: 20.654 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 97 Resp: 57214
Ion Ratio Lower Upper
97 100
99 63.6 52.4 78.6
61 50.0 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

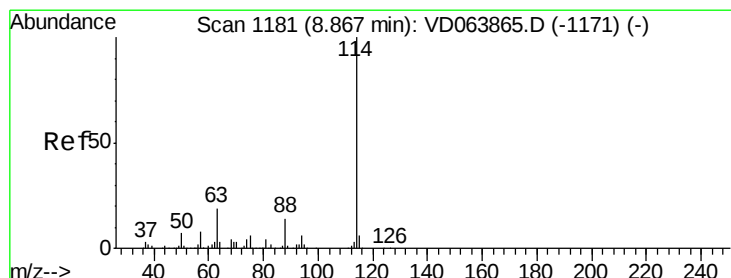
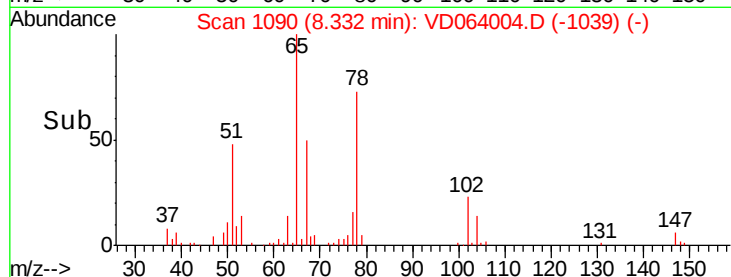
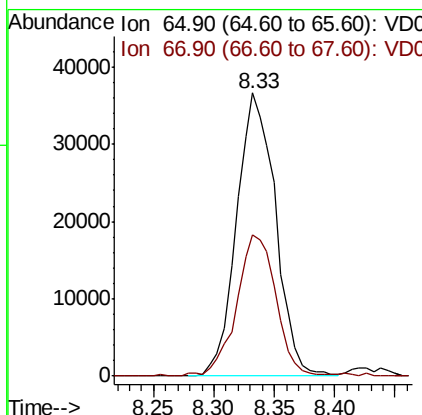
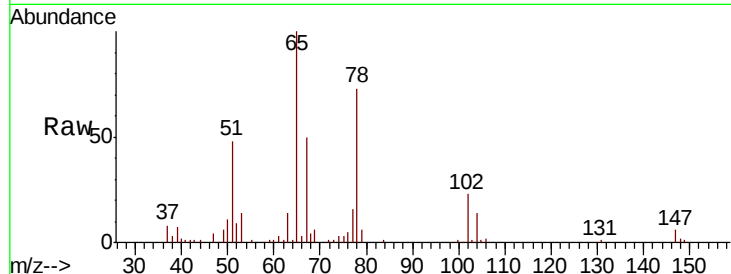




#33
 1,2-Dichloroethane-d4
 Concen: 49.763 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

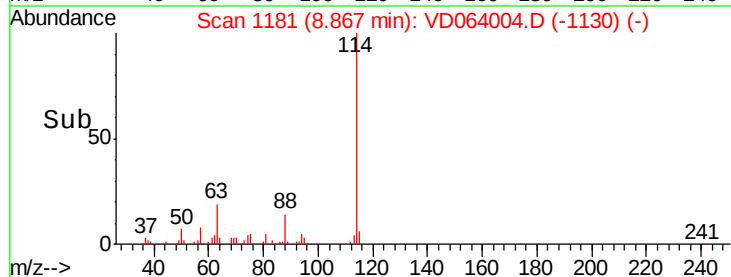
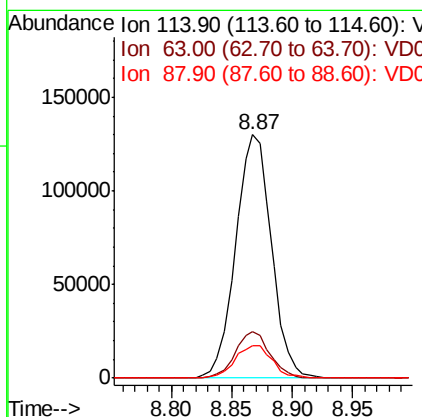
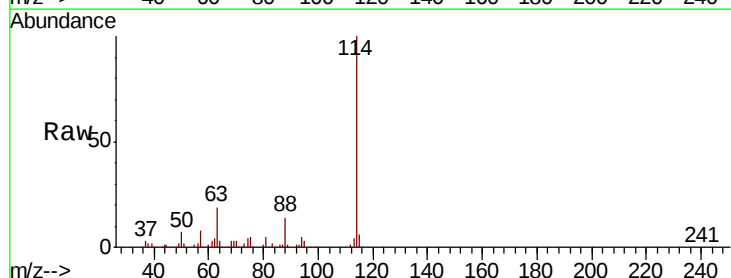
Instrument :
 MSVOA_D
 ClientSampleId :

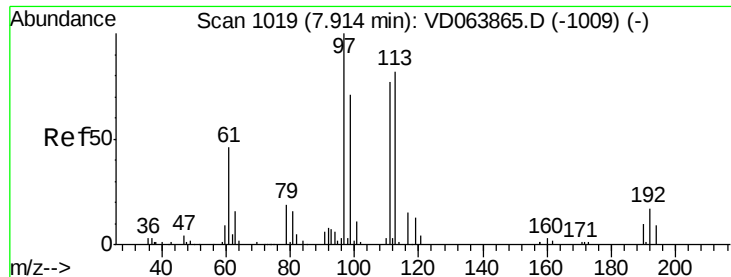
Tot Ion: 65 Resp: 82180
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 114 Resp: 268030
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 13.5 0.0 27.4

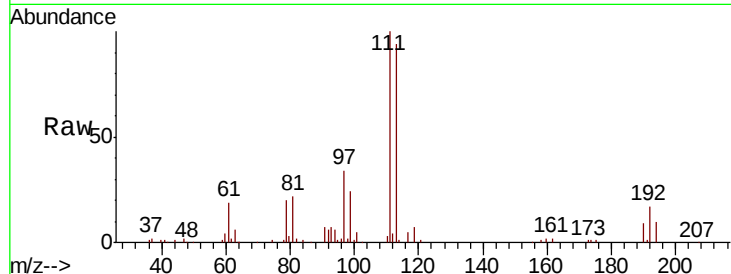




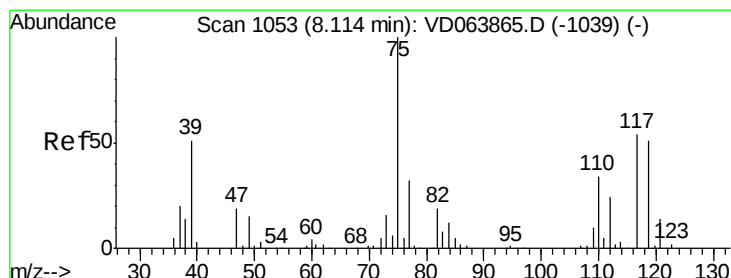
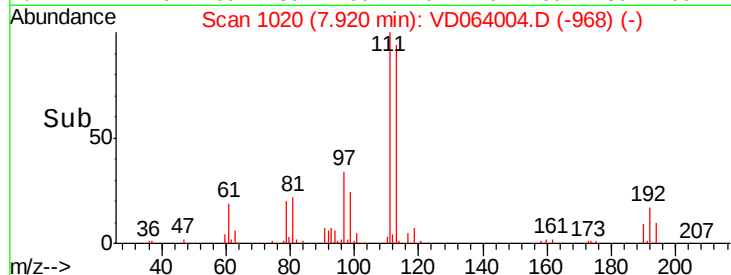
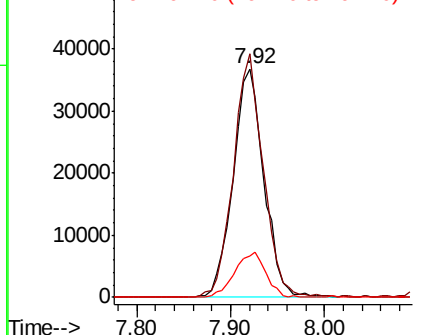
#35
 Dibromofluoromethane
 Concen: 51.218 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 83895
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.6 123.8
 192 19.9 17.1 25.7

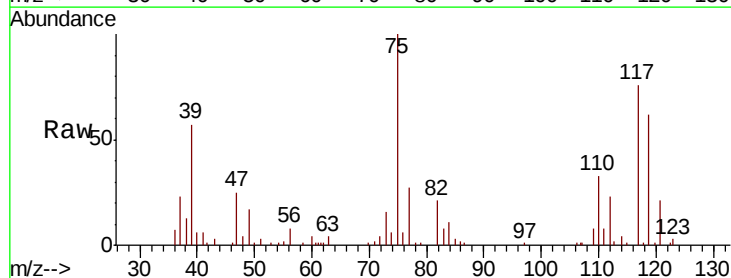


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

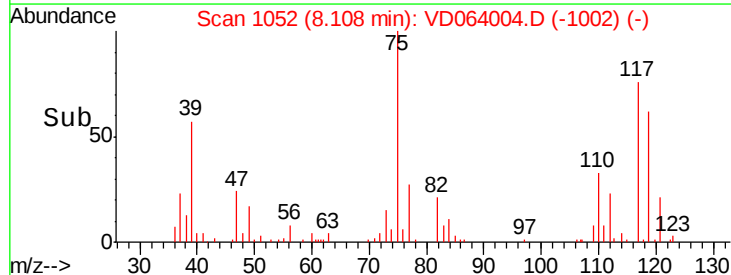
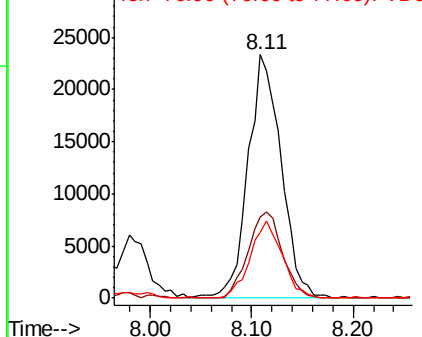


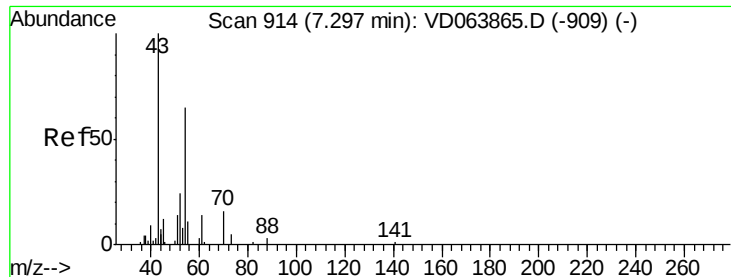
#36
 1,1-Dichloropropene
 Concen: 21.606 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 75 Resp: 52950
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.4 52.3
 77 30.3 25.4 38.0



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

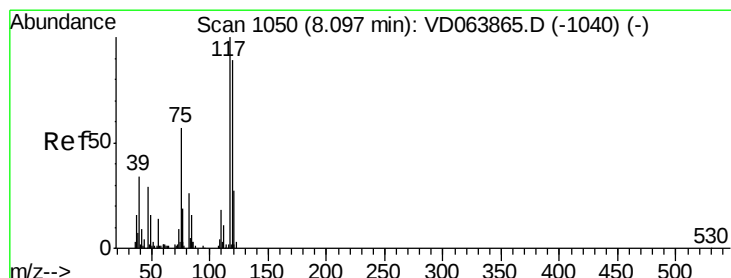
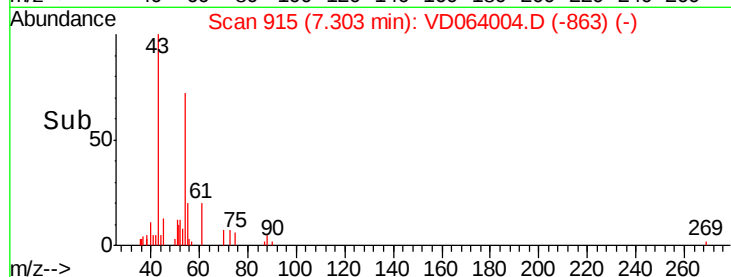
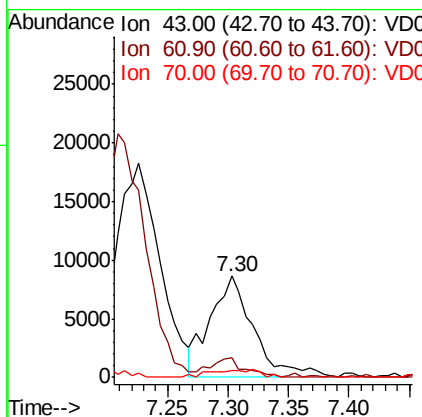
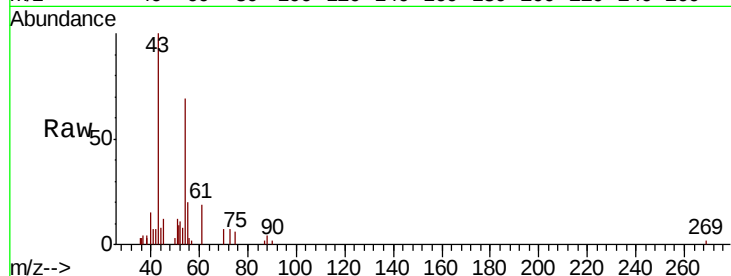




#37
Ethyl Acetate
Concen: 19.681 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

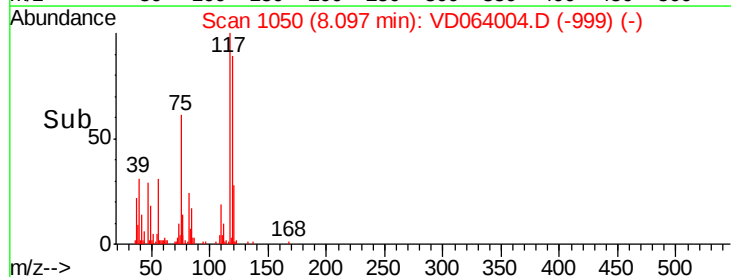
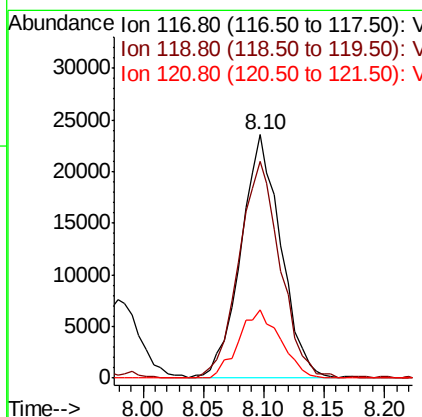
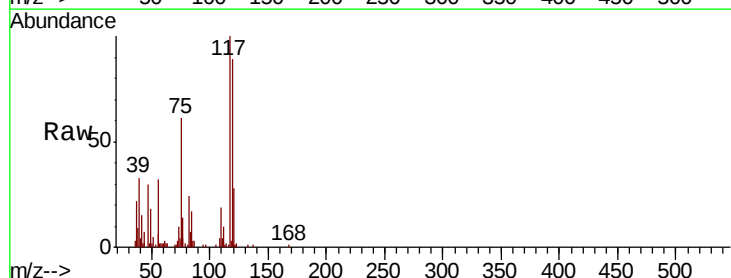
Instrument :
MSVOA_D
ClientSampled :

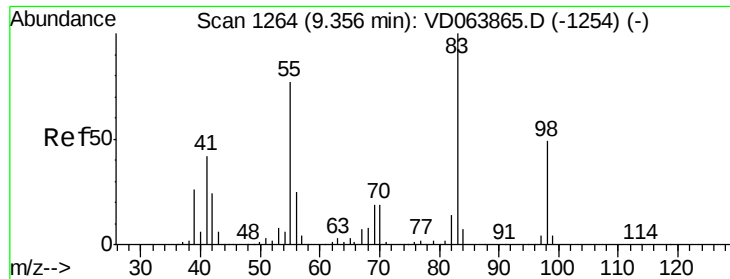
Tot Ion: 43 Resp: 21717
Ion Ratio Lower Upper
43 100
61 14.7 11.5 17.3
70 8.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 21.984 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 117 Resp: 54442
Ion Ratio Lower Upper
117 100
119 89.2 70.8 106.2
121 28.0 21.4 32.0

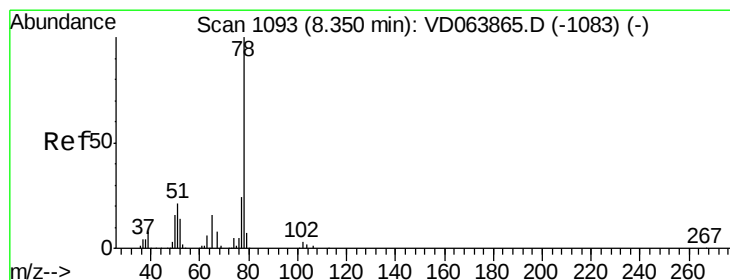
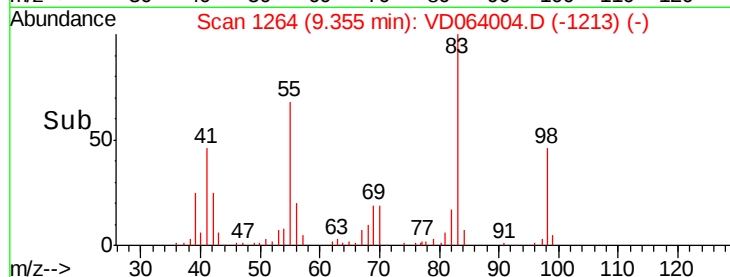
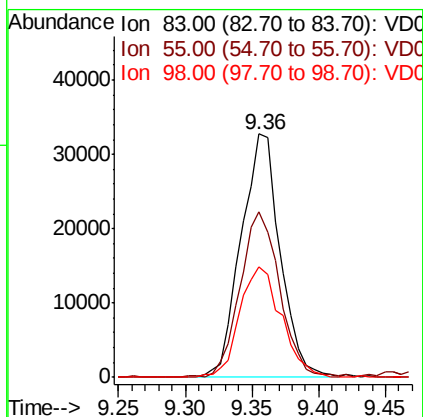
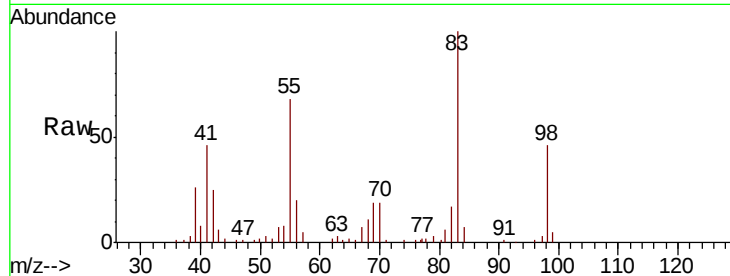




#39
Methvlcvclohexane
Concen: 21.988 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

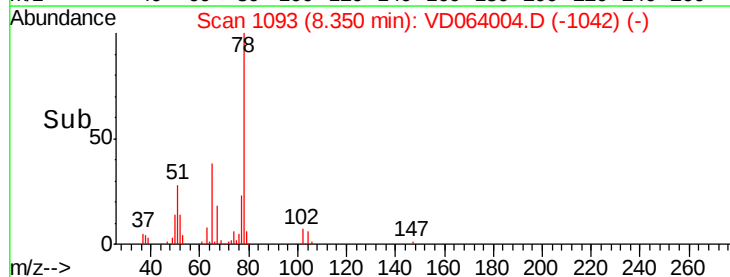
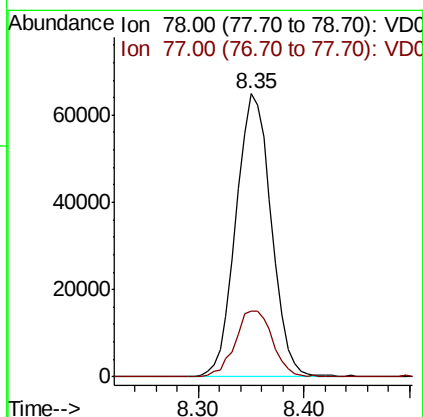
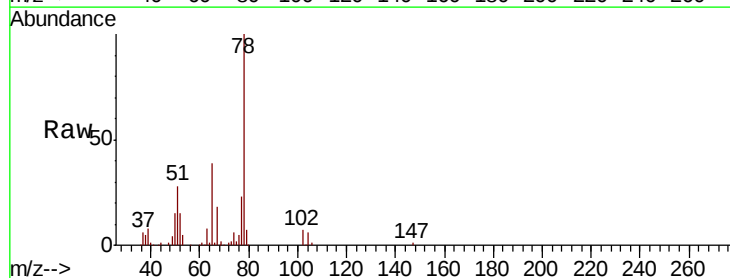
Instrument :
MSVOA_D
ClientSampleId :

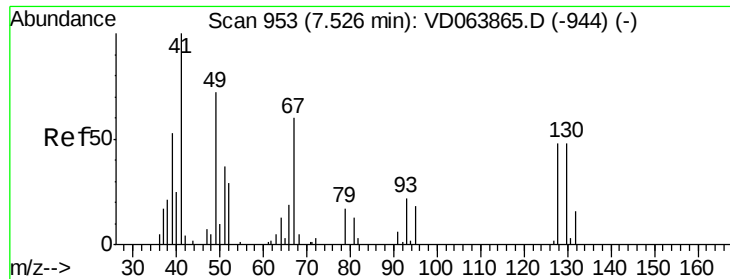
Tot Ion: 83 Resp: 66254
Ion Ratio Lower Upper
83 100
55 67.6 61.3 91.9
98 45.6 39.3 58.9



#40
Benzene
Concen: 21.403 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 78 Resp: 150314
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6





#41

Methacrylonitrile

Concen: 18.484 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 10502

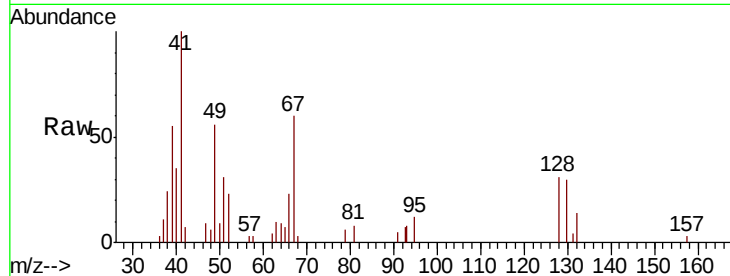
Ion Ratio Lower Upper

41 100

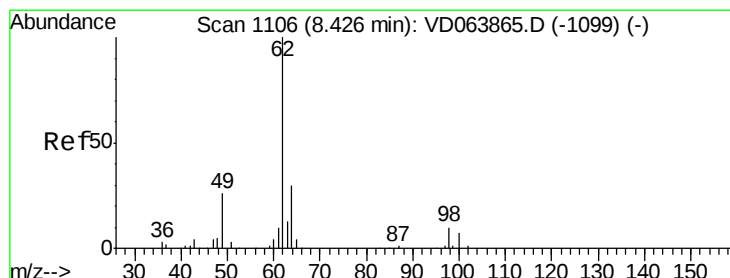
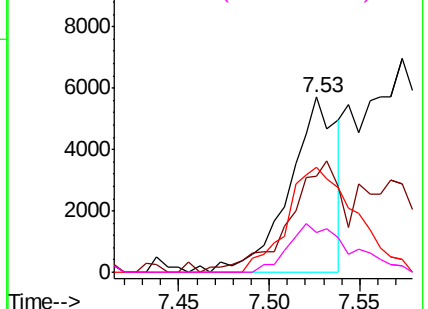
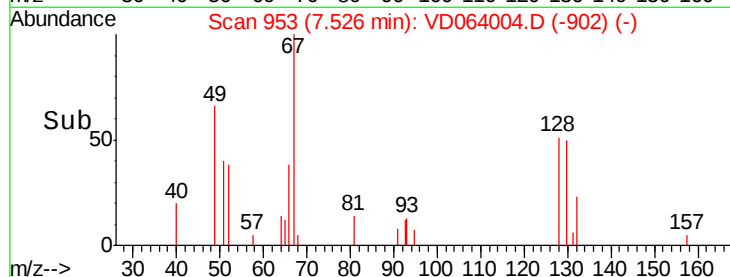
39 69.0 52.6 78.8

67 85.7 74.2 111.2

52 35.9 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: 20.215 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD064004.D

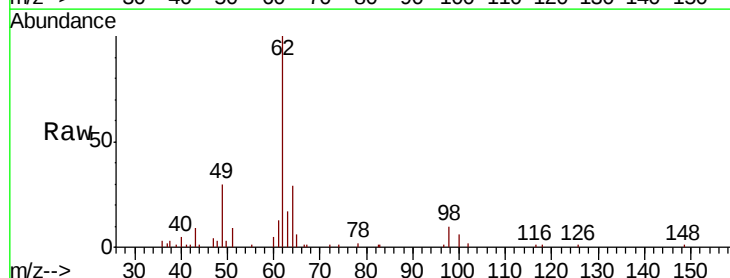
Acq: 18 Oct 2019 12:05

Tgt Ion: 62 Resp: 41067

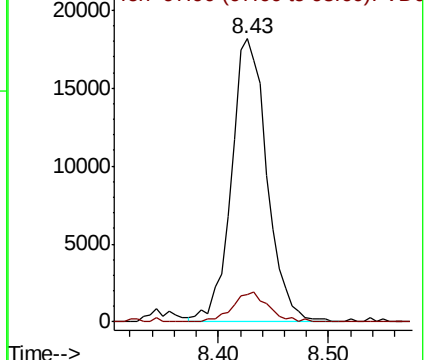
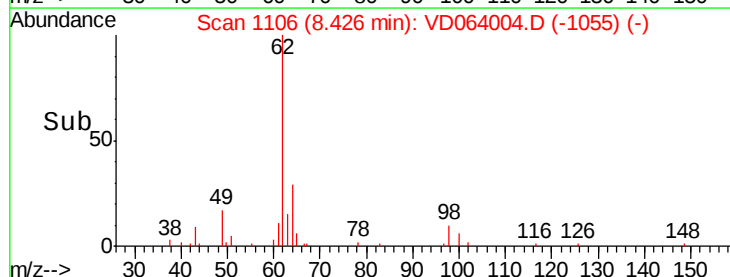
Ion Ratio Lower Upper

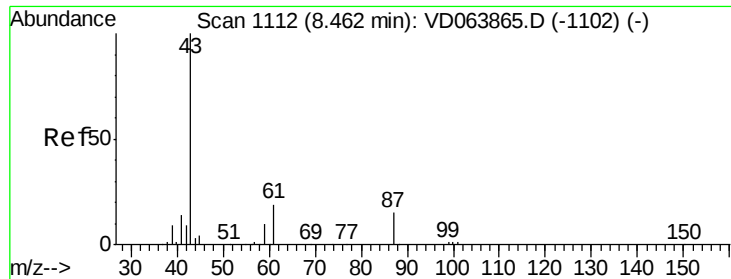
62 100

98 10.6 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: 19.146 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampled :

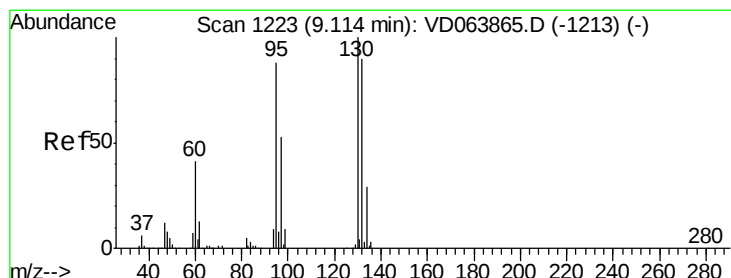
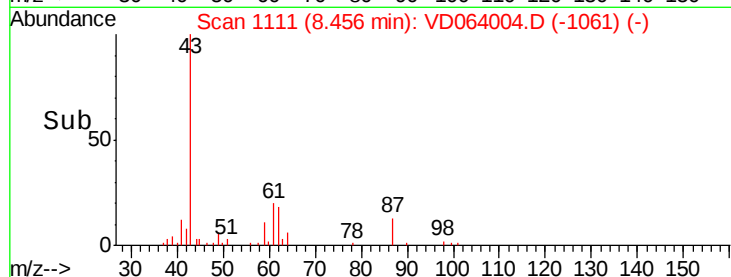
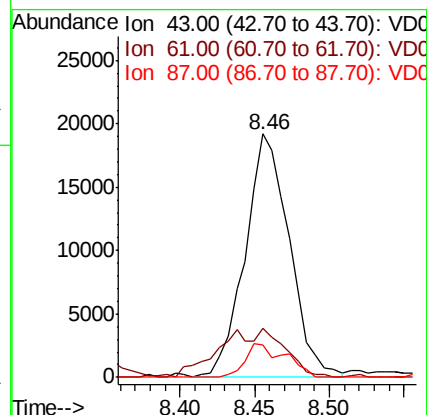
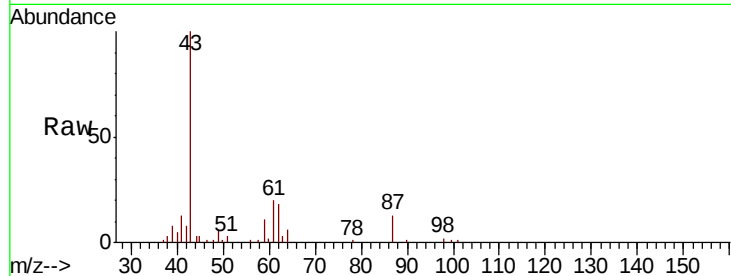
Tot Ion: 43 Resp: 39350

Ion Ratio Lower Upper

43 100

61 13.3 25.7 38.5#

87 12.4 11.6 17.4



#44

Trichloroethene

Concen: 20.732 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064004.D

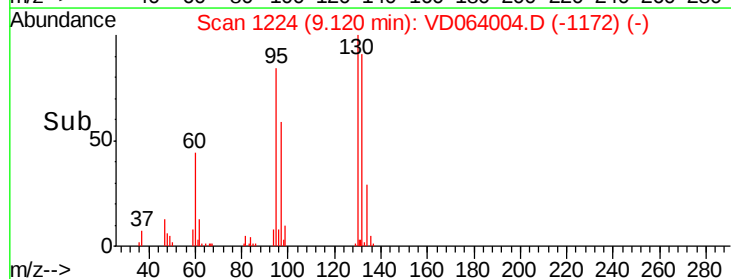
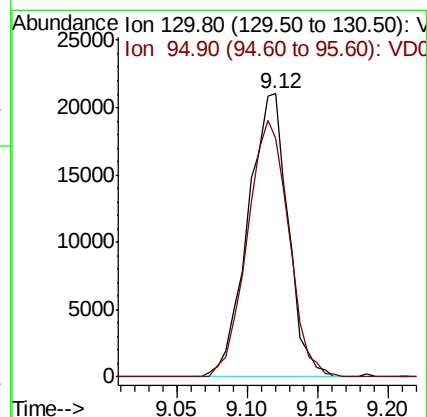
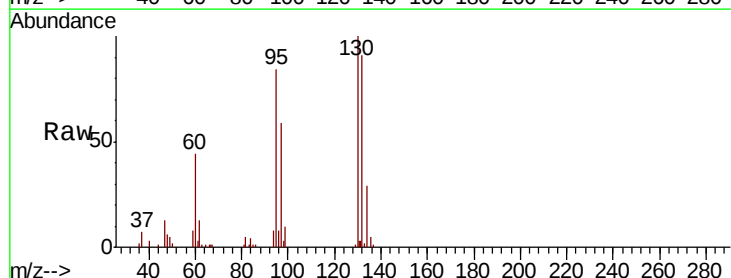
Acq: 18 Oct 2019 12:05

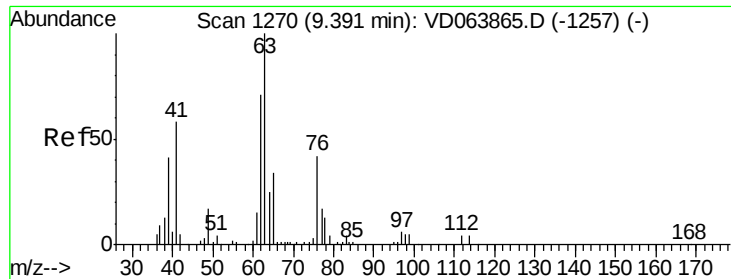
Tgt Ion:130 Resp: 41984

Ion Ratio Lower Upper

130 100

95 84.2 0.0 175.6





#45

1,2-Dichloropropane

Concen: 20.310 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

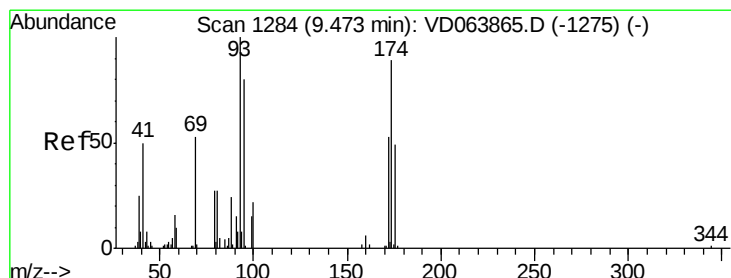
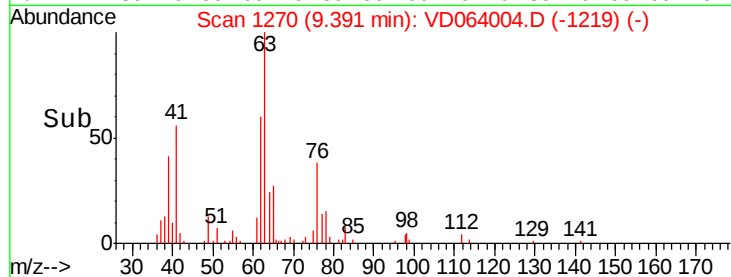
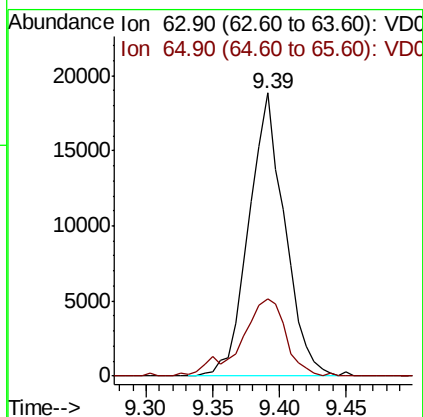
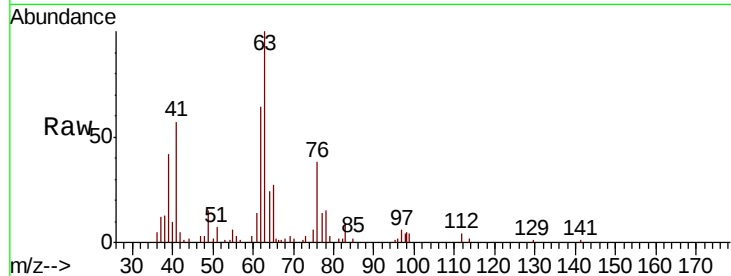
ClientSampleId :

Tot Ion: 63 Resp: 34912

Ion Ratio Lower Upper

63 100

65 27.1 27.3 40.9#



#46

Dibromomethane

Concen: 19.792 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

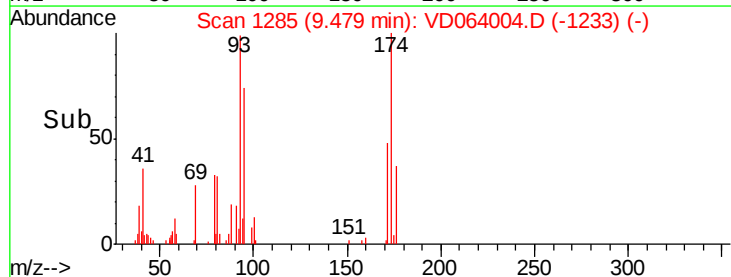
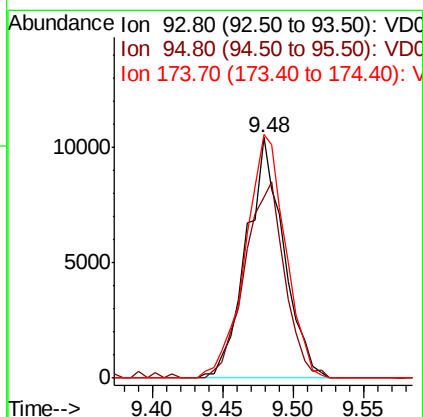
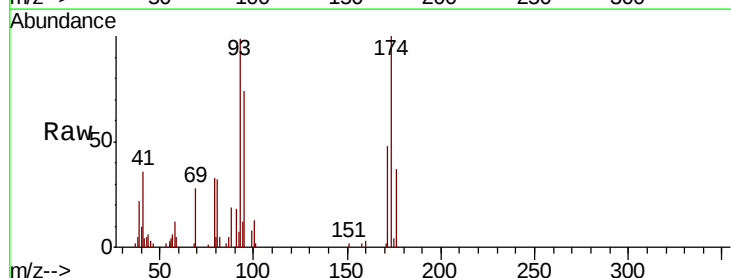
Tgt Ion: 93 Resp: 19376

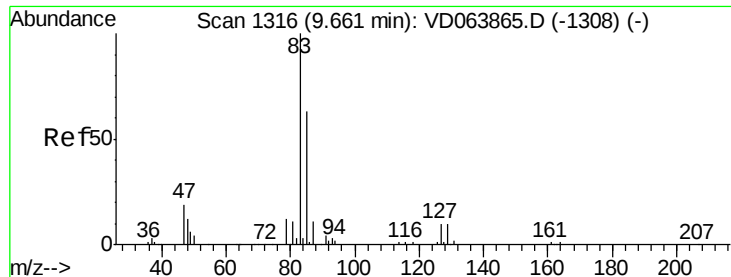
Ion Ratio Lower Upper

93 100

95 87.0 66.0 99.0

174 108.5 83.4 125.0





#47

Bromodichloromethane

Concen: 19.919 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

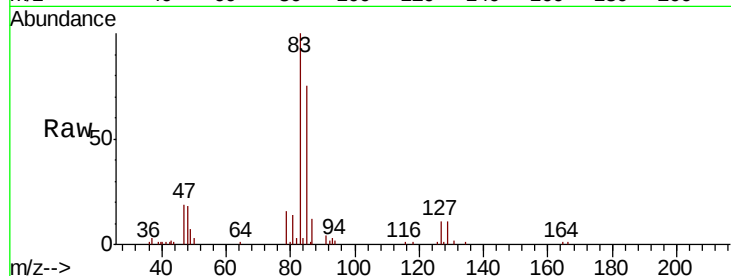
Tot Ion: 83 Resp: 50206

Ion Ratio Lower Upper

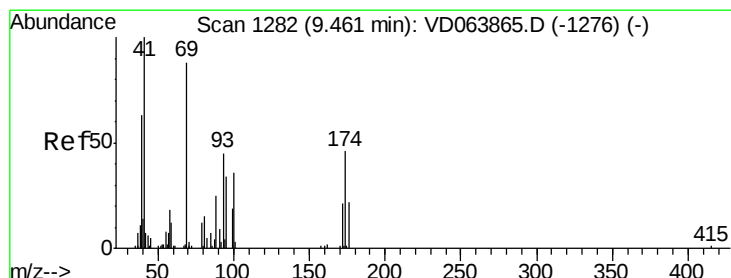
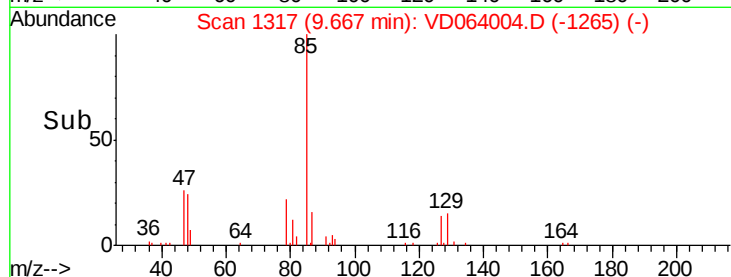
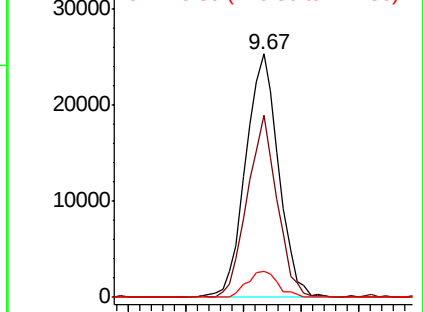
83 100

85 74.9 50.2 75.2

127 10.7 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: 17.339 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

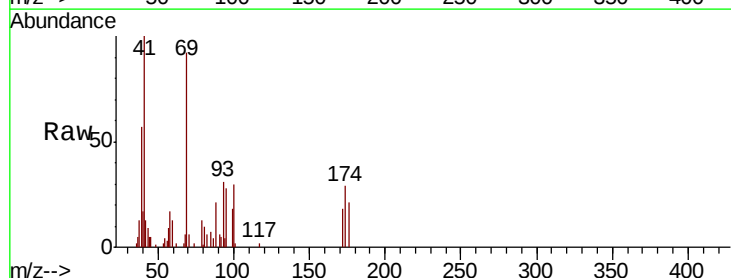
Tgt Ion: 41 Resp: 17074

Ion Ratio Lower Upper

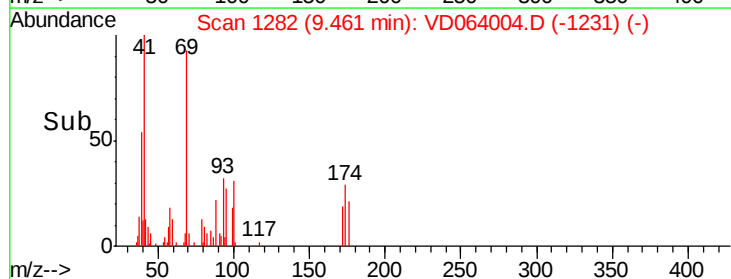
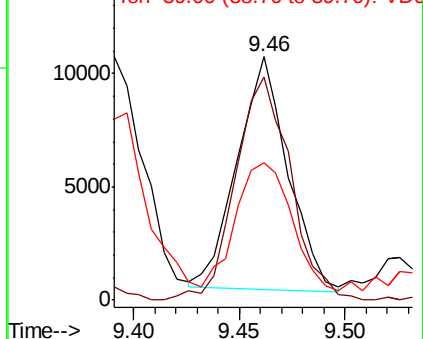
41 100

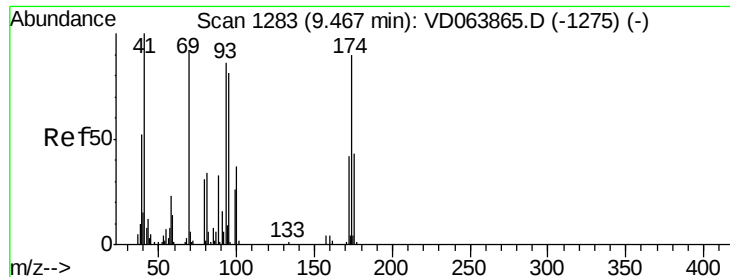
69 104.3 75.1 112.7

39 60.6 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

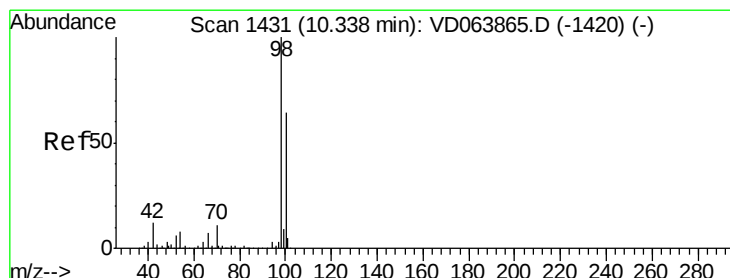
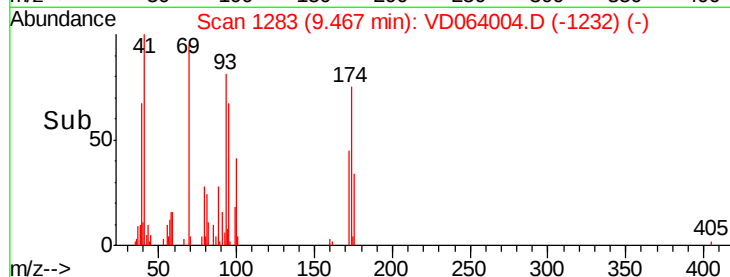
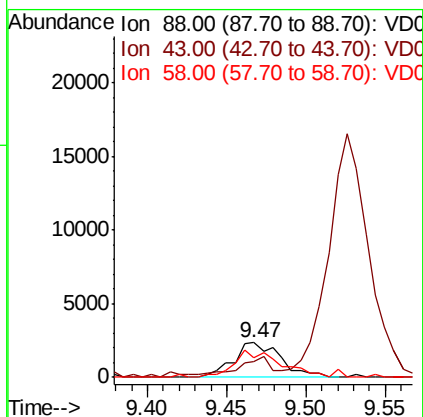
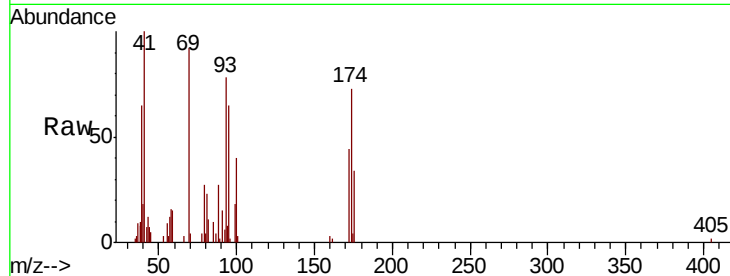




#49
1,4-Dioxane
Concen: 368.410 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

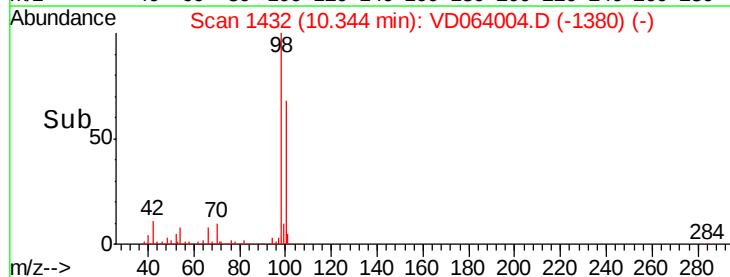
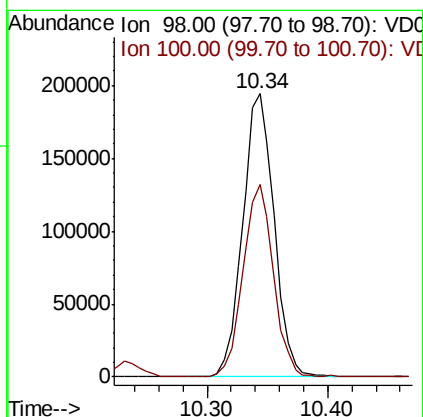
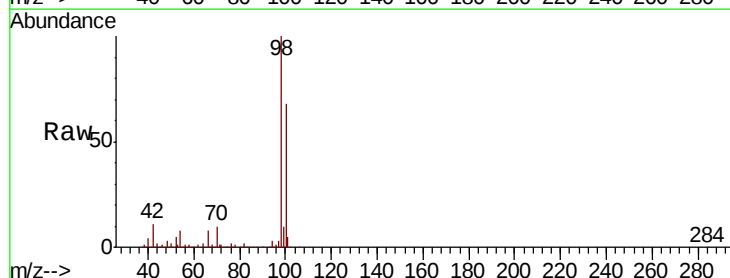
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 4923
Ion Ratio Lower Upper
88 100
43 29.6 27.6 41.4
58 76.6 54.1 81.1



#50
Toluene-d8
Concen: 52.895 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 98 Resp: 351672
Ion Ratio Lower Upper
98 100
100 66.0 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 96.965 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

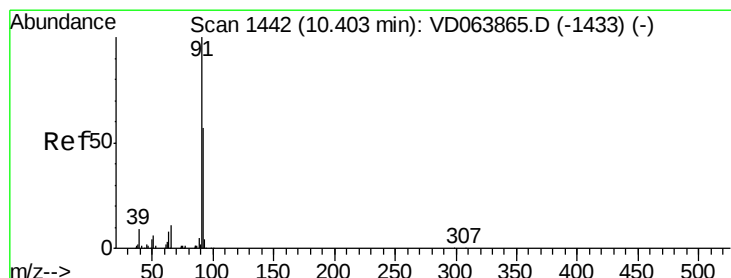
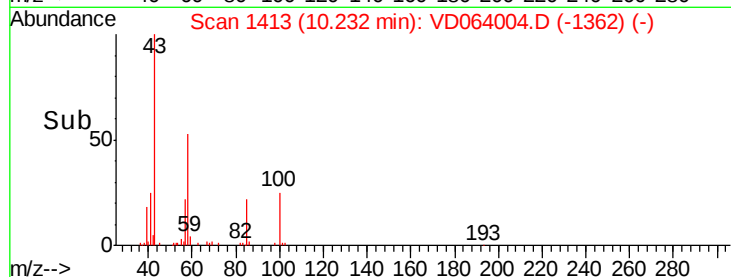
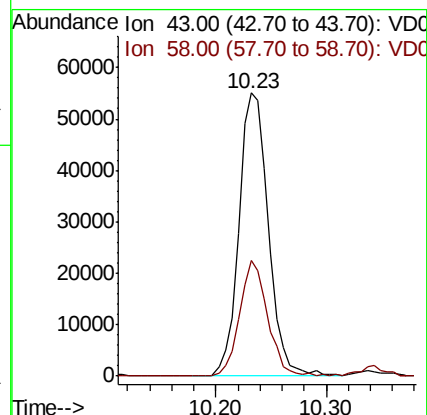
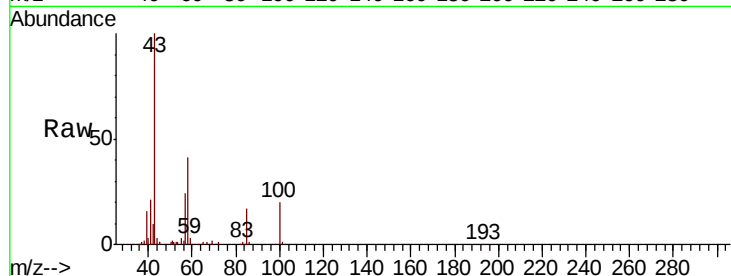
ClientSampleId :

Tot Ion: 43 Resp: 103353

Ion Ratio Lower Upper

43 100

58 39.0 33.0 49.4



#52

Toluene

Concen: 20.981 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064004.D

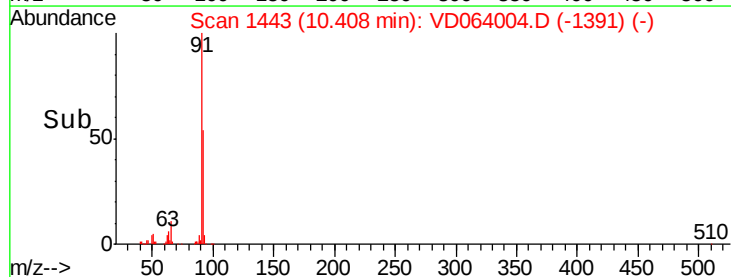
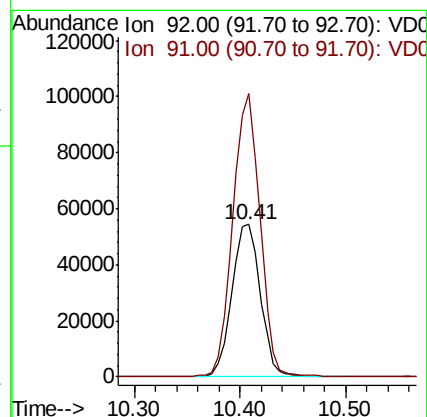
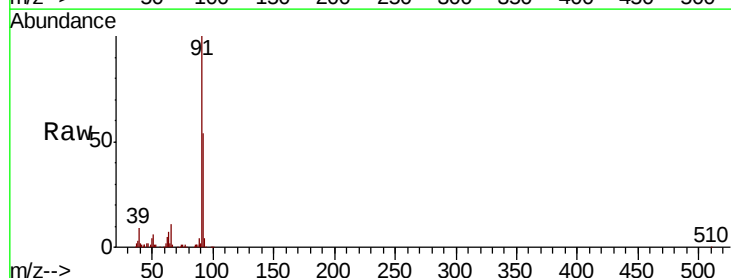
Acq: 18 Oct 2019 12:05

Tgt Ion: 92 Resp: 101149

Ion Ratio Lower Upper

92 100

91 176.9 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 19.264 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

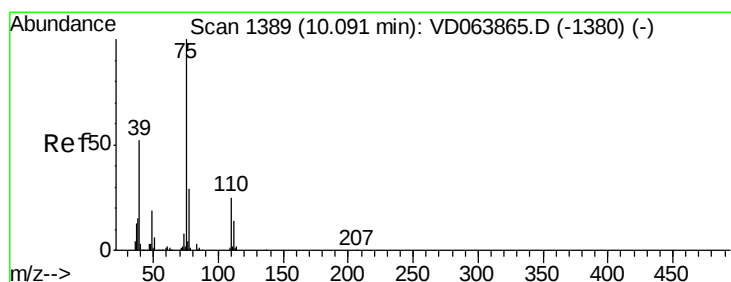
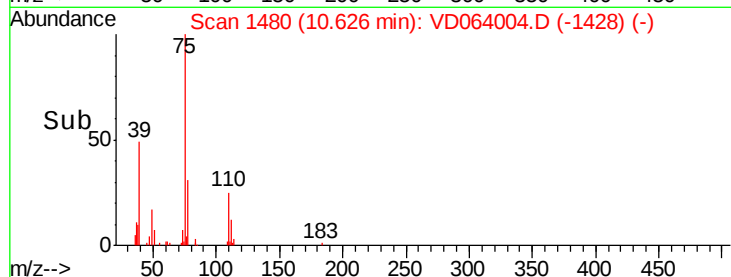
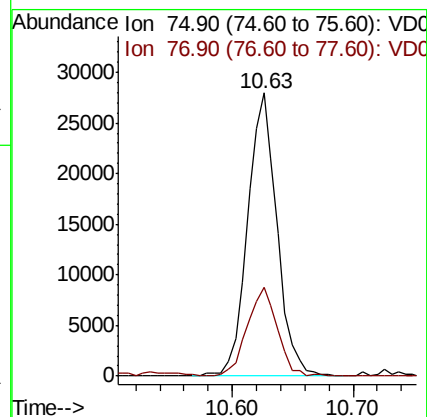
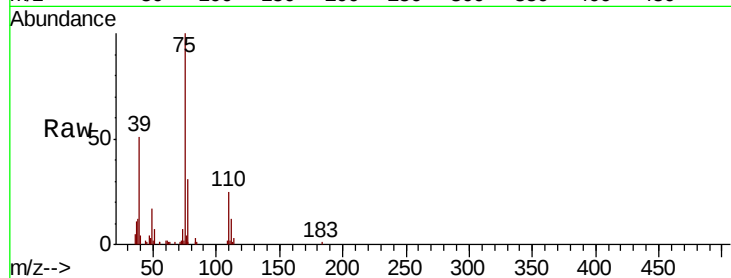
ClientSampleId :

Tot Ion: 75 Resp: 47379

Ion Ratio Lower Upper

75 100

77 31.2 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 21.093 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

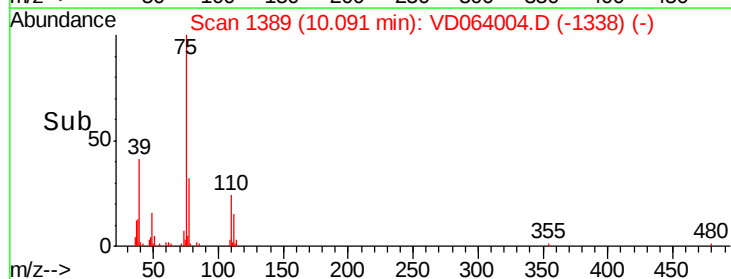
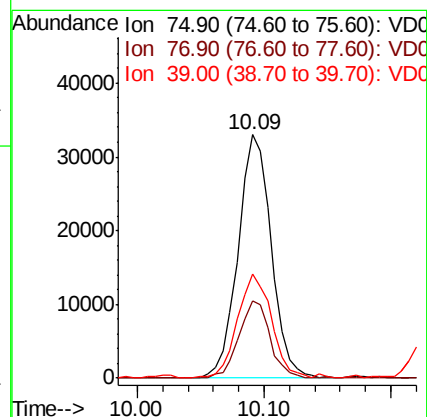
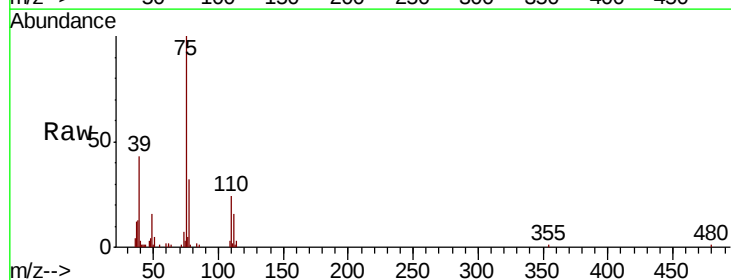
Tgt Ion: 75 Resp: 59717

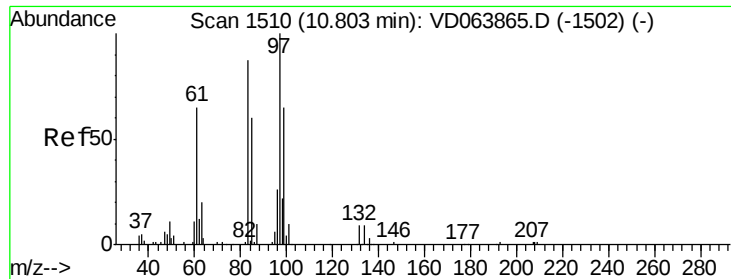
Ion Ratio Lower Upper

75 100

77 31.7 23.2 34.8

39 42.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 21.087 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

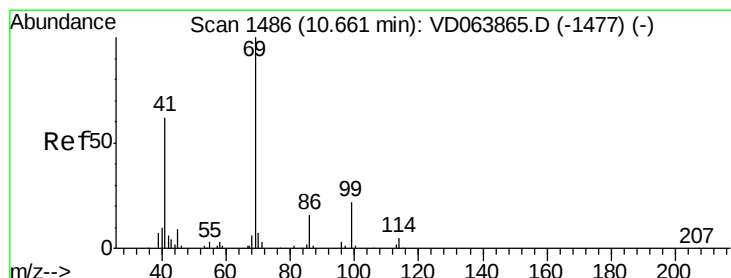
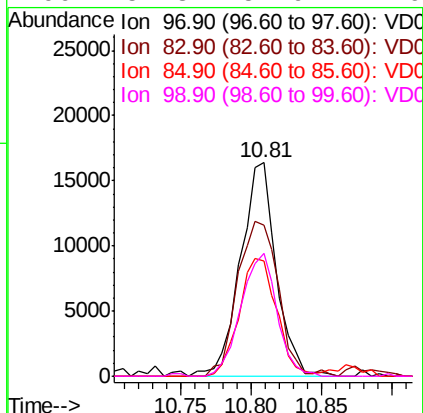
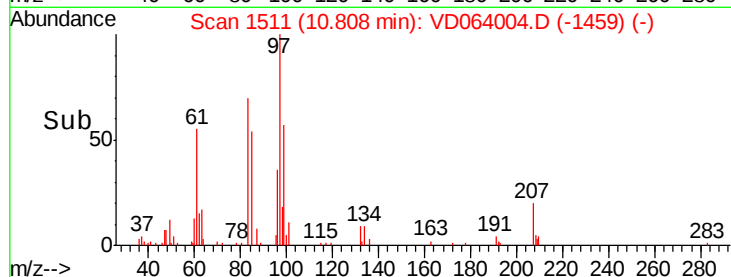
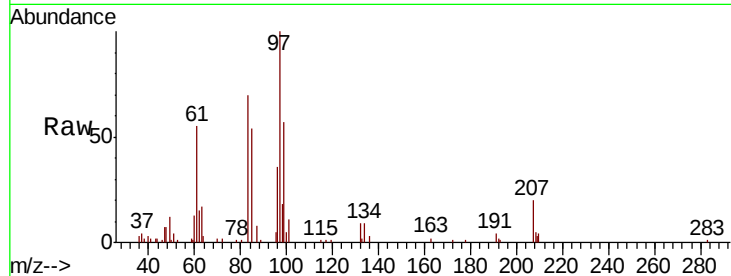
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 29147

Ion	Ratio	Lower	Upper
97	100		
83	70.4	69.7	104.5
85	54.2	48.1	72.1
99	57.3	51.9	77.9



#56

Ethyl methacrylate

Concen: 18.644 ug/l

RT: 10.66 min Scan# 1486

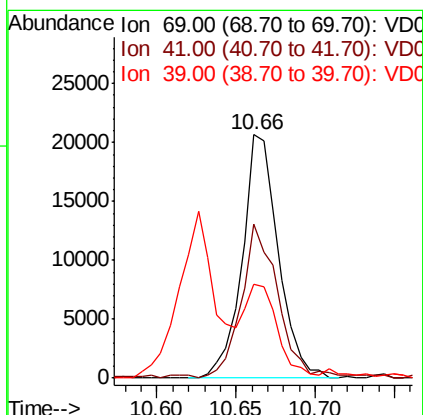
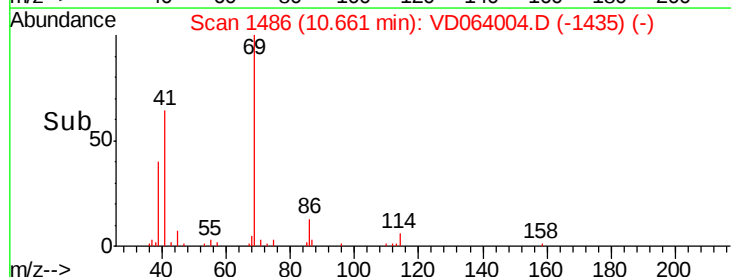
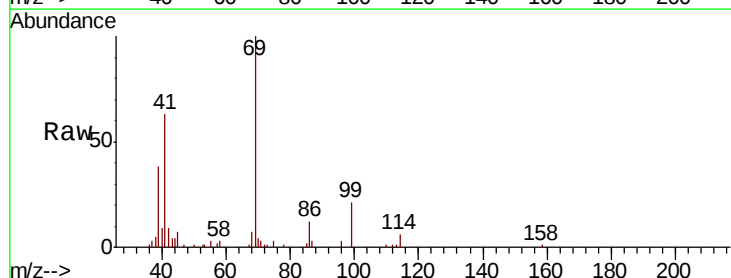
Delta R.T. -0.00 min

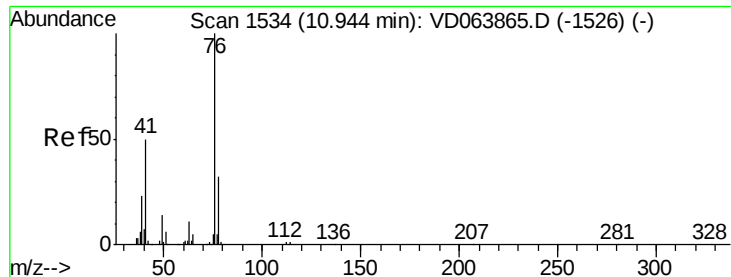
Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Tgt Ion: 69 Resp: 32635

Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.3	76.9
39	34.5	28.0	42.0

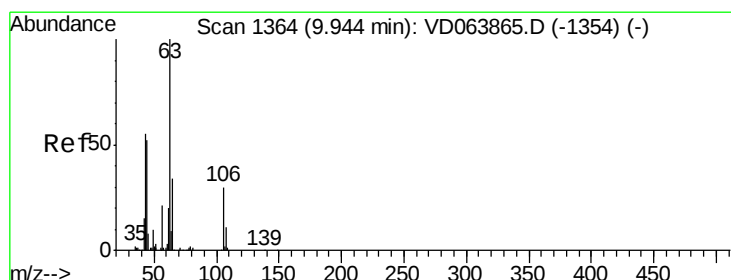
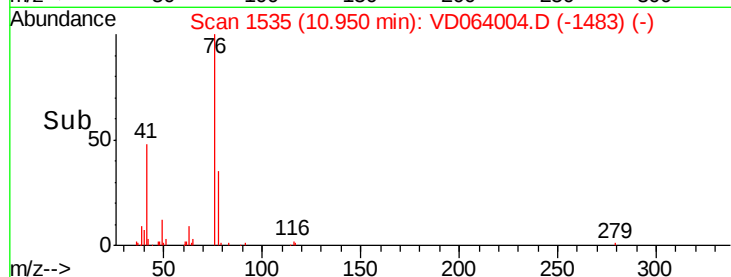
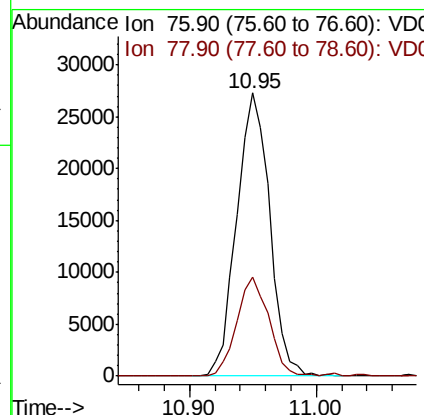
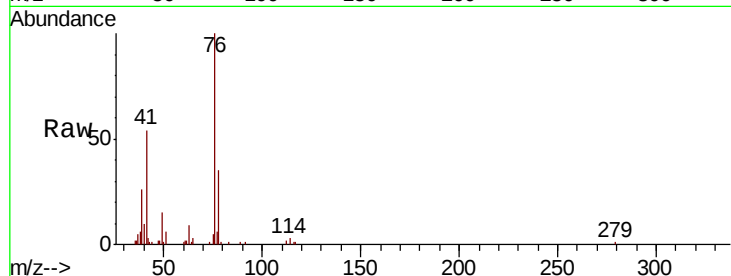




#57
 1,3-Dichloropropane
 Concen: 20.732 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

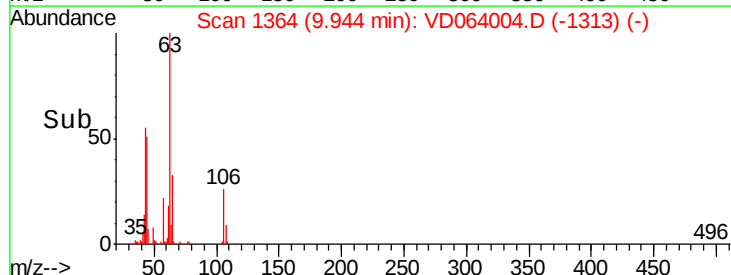
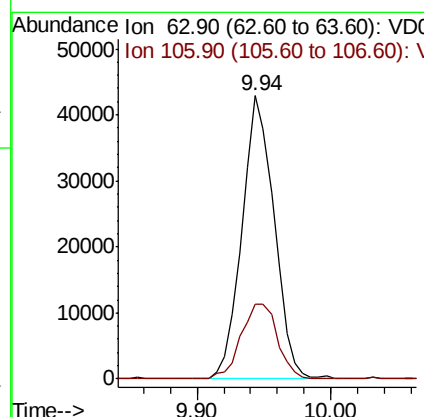
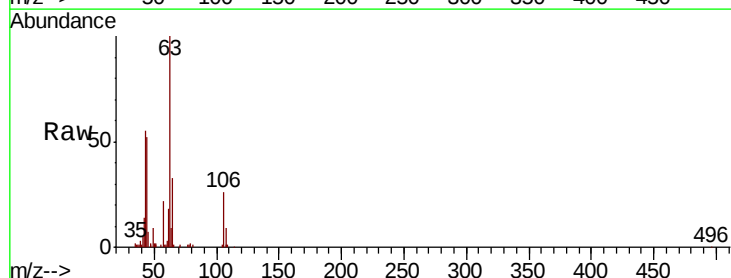
Instrument :
 MSVOA_D
 ClientSampled :

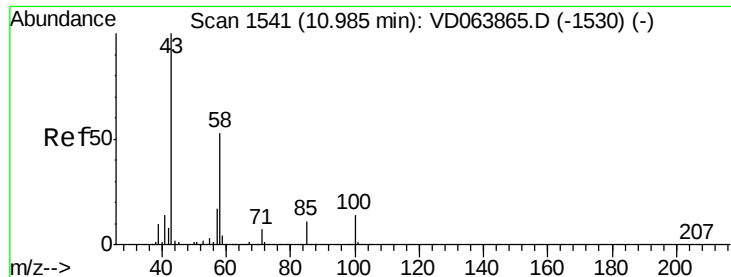
Tot Ion: 76 Resp: 49031
 Ion Ratio Lower Upper
 76 100
 78 34.1 26.6 40.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.994 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion: 63 Resp: 71474
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.3 36.5

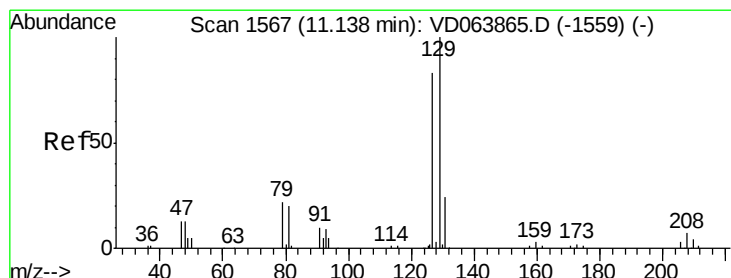
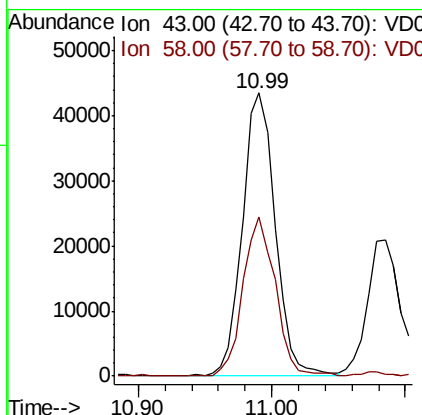
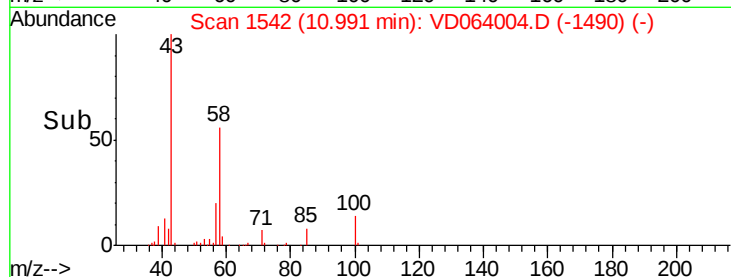
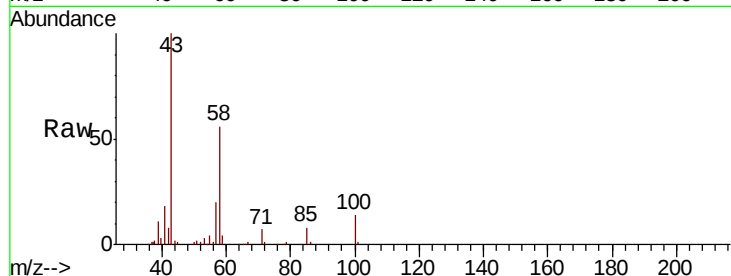




#59
2-Hexanone
Concen: 96.173 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

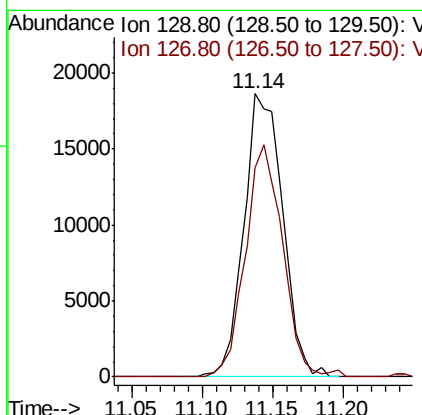
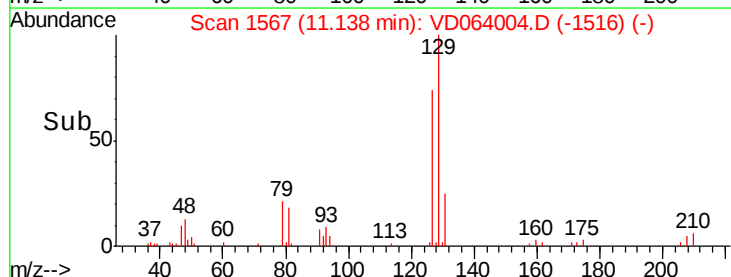
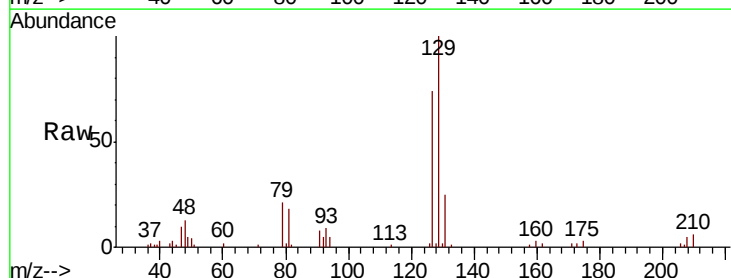
Instrument :
MSVOA_D
ClientSampleId :

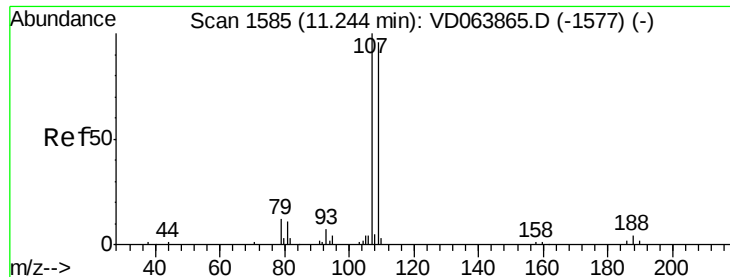
Tot Ion: 43 Resp: 74152
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0



#60
Dibromochloromethane
Concen: 19.936 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 129 Resp: 35876
Ion Ratio Lower Upper
129 100
127 79.0 39.9 119.6

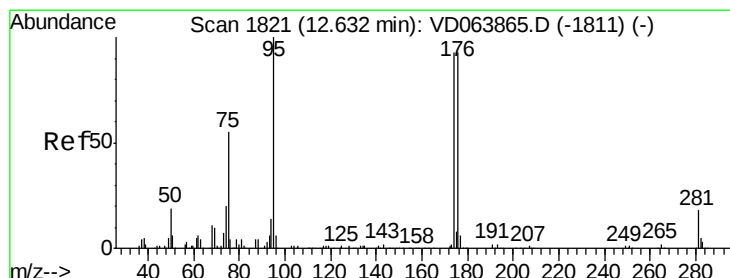
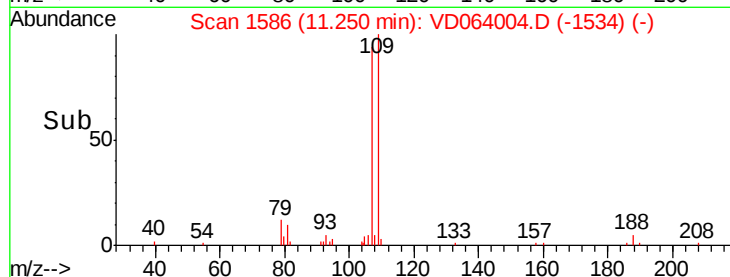
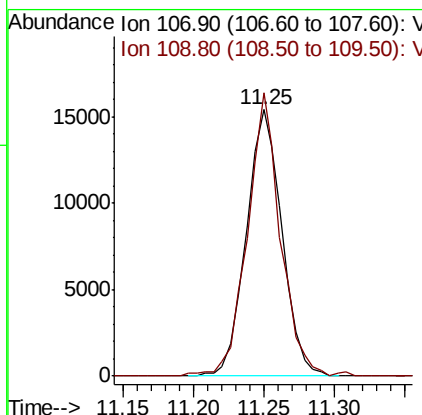
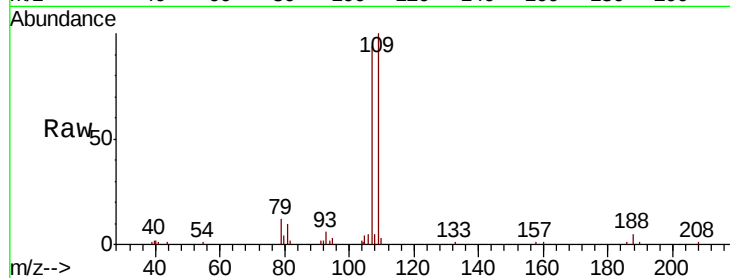




#61
1,2-Dibromoethane
Concen: 20.275 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

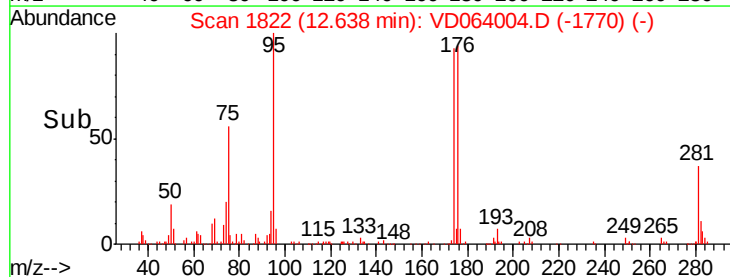
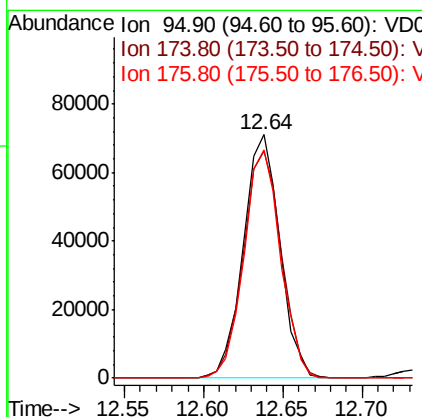
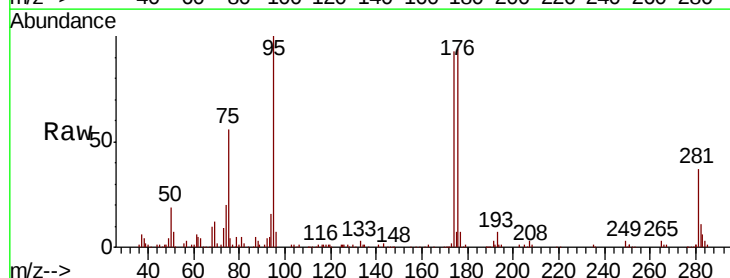
Instrument :
MSVOA_D
ClientSampleId :

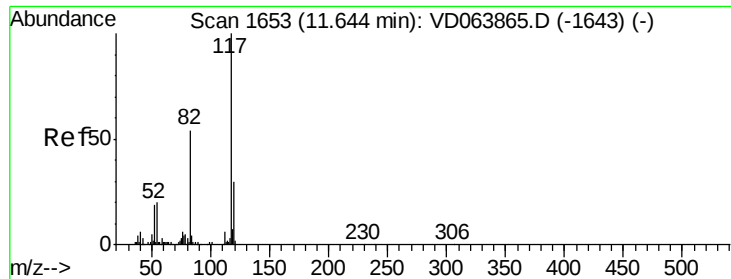
Tot Ion:107 Resp: 27170
Ion Ratio Lower Upper
107 100
109 98.7 75.2 112.8



#62
4-Bromofluorobenzene
Concen: 49.121 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 95 Resp: 113486
Ion Ratio Lower Upper
95 100
174 97.8 0.0 186.4
176 94.2 0.0 184.2

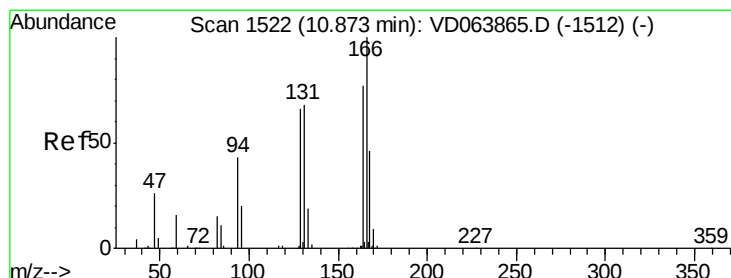
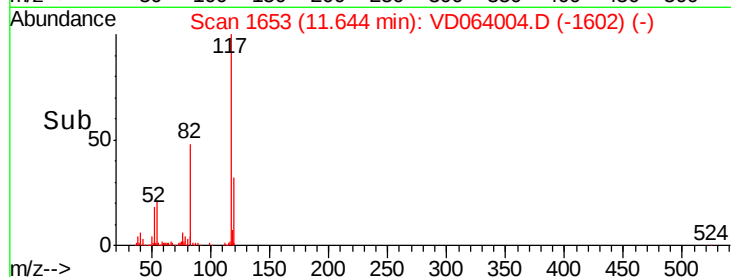
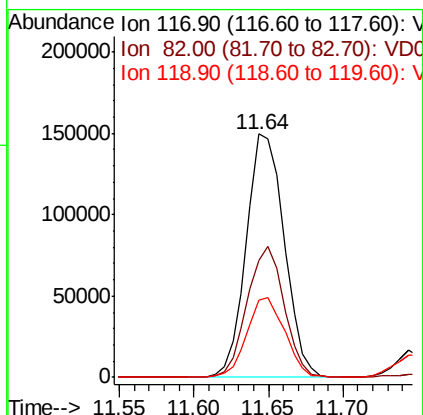
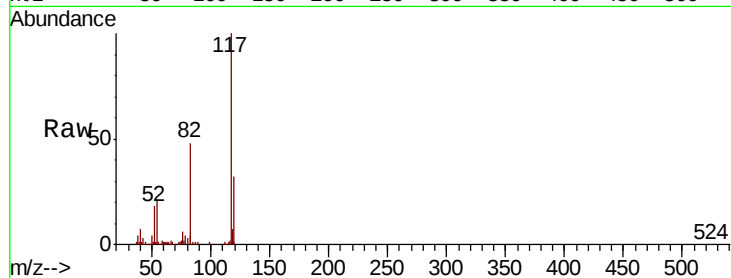




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

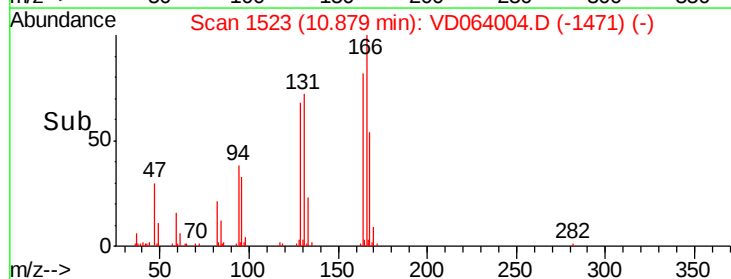
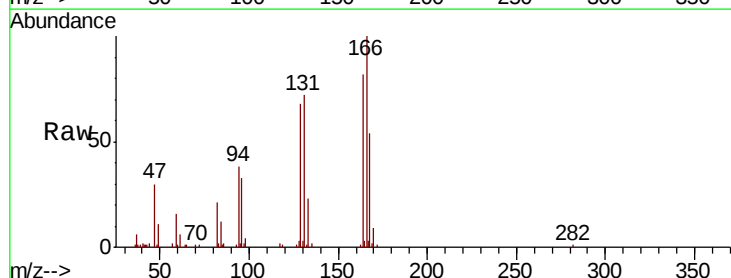
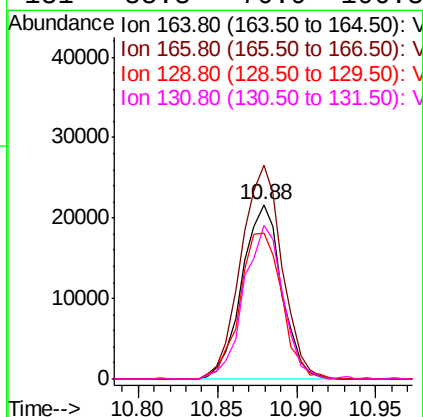
Instrument :
MSVOA_D
ClientSampleId :

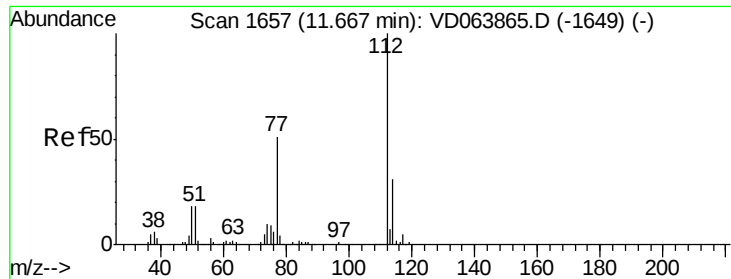
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.0	42.8	64.2
119	31.9	24.4	36.6



#64
Tetrachloroethene
Concen: 20.948 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	103.8	155.6
129	83.9	68.9	103.3
131	88.3	70.9	106.3

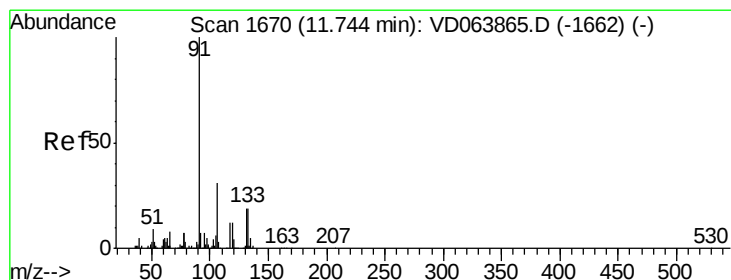
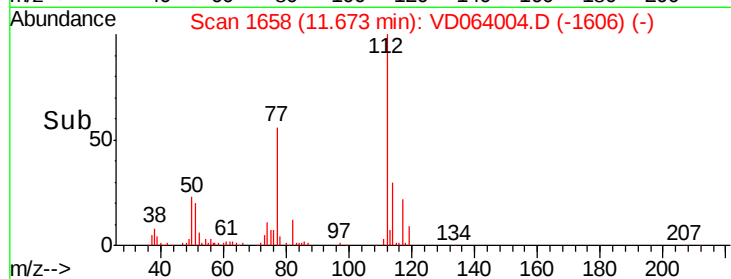
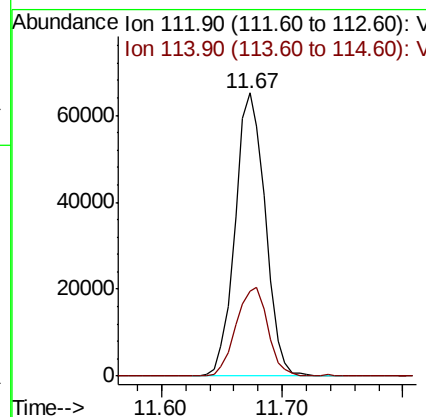
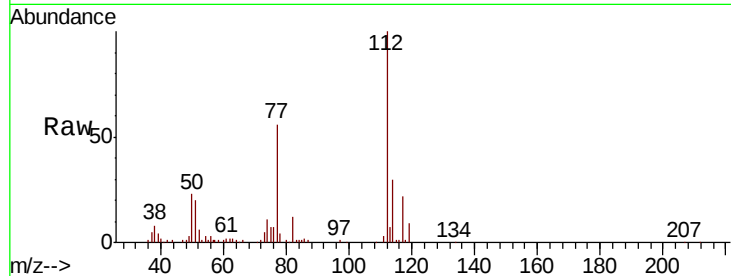




#65
Chlorobenzene
Concen: 21.357 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

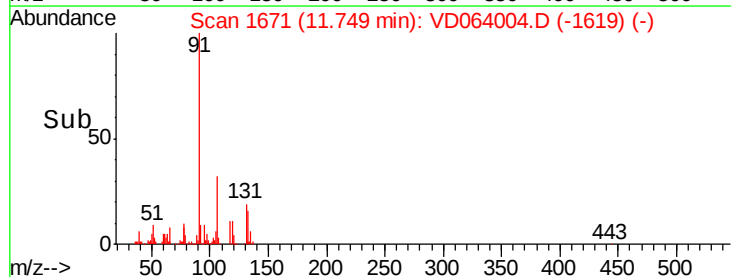
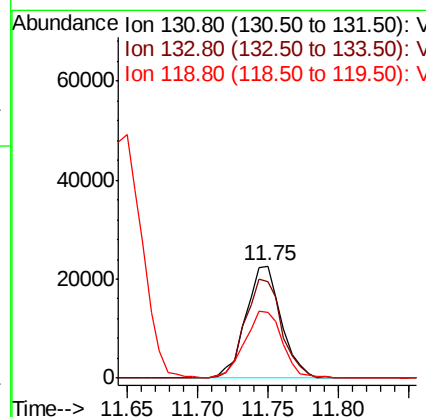
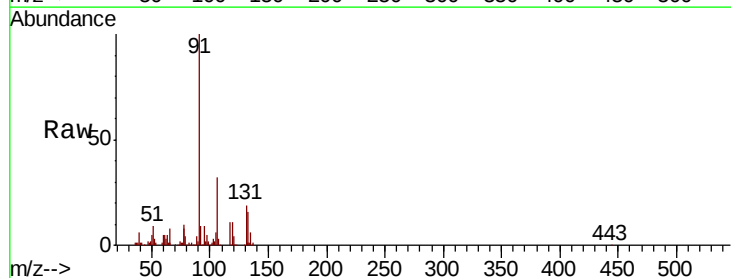
Instrument :
MSVOA_D
ClientSampleId :

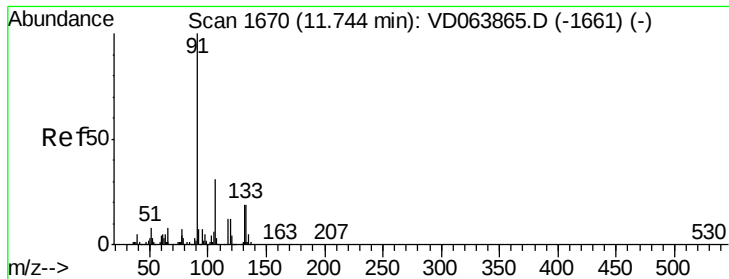
Tot Ion:112 Resp: 113016
Ion Ratio Lower Upper
112 100
114 30.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.338 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion:131 Resp: 39656
Ion Ratio Lower Upper
131 100
133 91.3 48.9 146.7
119 63.6 32.6 97.8





#67

Ethyl Benzene

Concen: 21.434 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

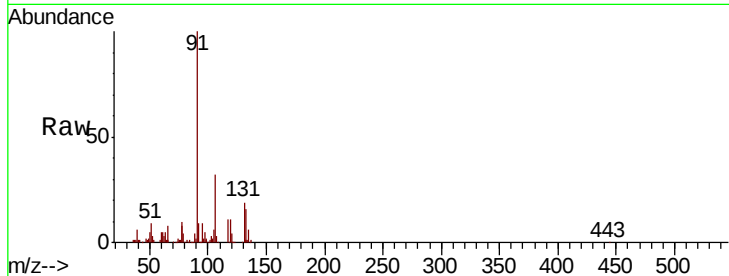
ClientSampled :

Tot Ion: 91 Resp: 204520

Ion Ratio Lower Upper

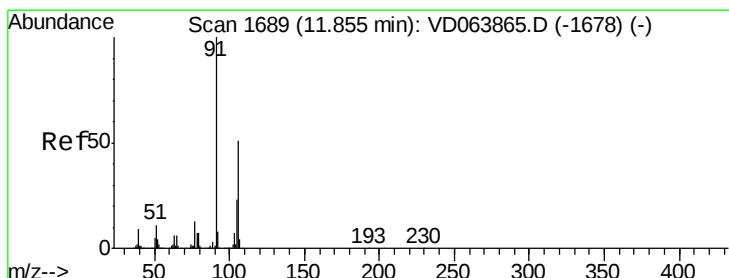
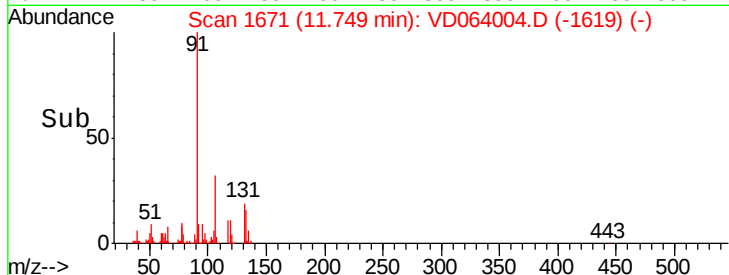
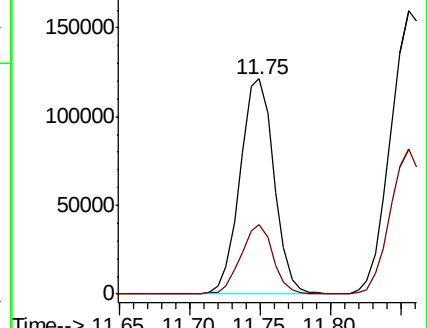
91 100

106 32.2 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.950 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064004.D

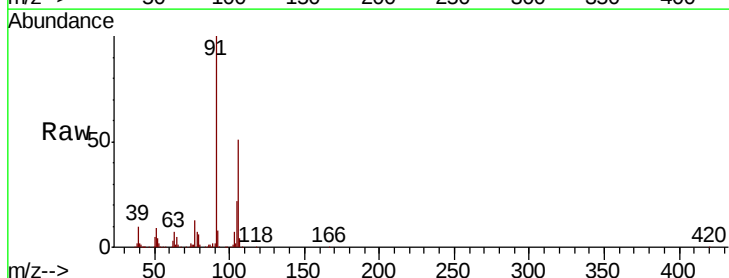
Acq: 18 Oct 2019 12:05

Tgt Ion: 106 Resp: 154503

Ion Ratio Lower Upper

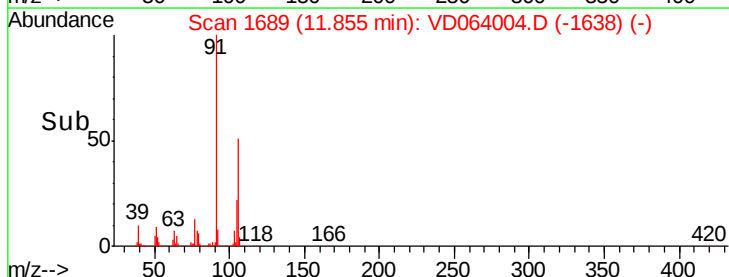
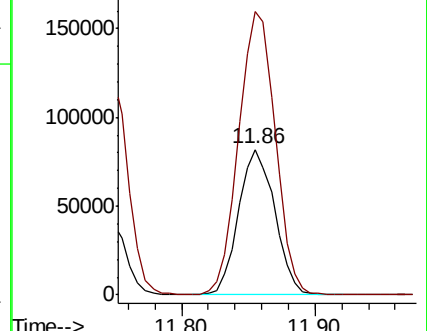
106 100

91 197.0 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

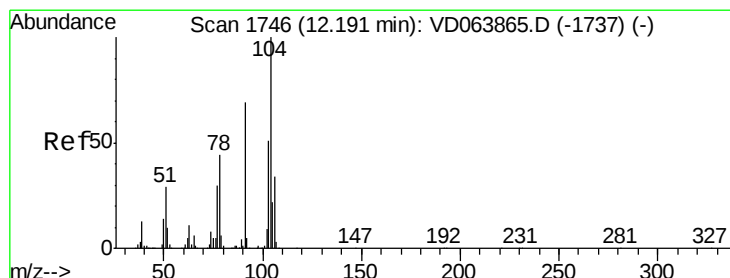
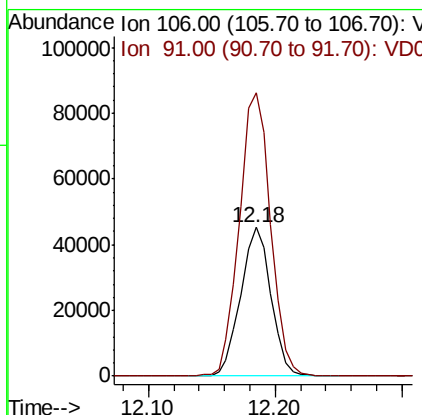
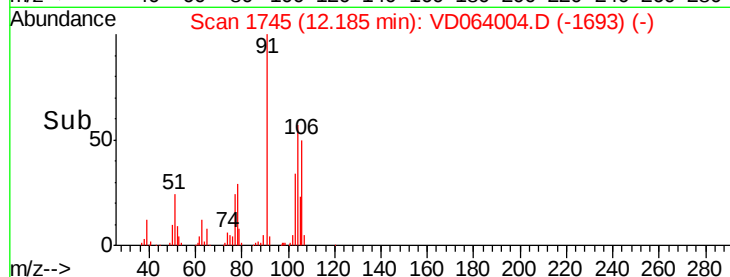
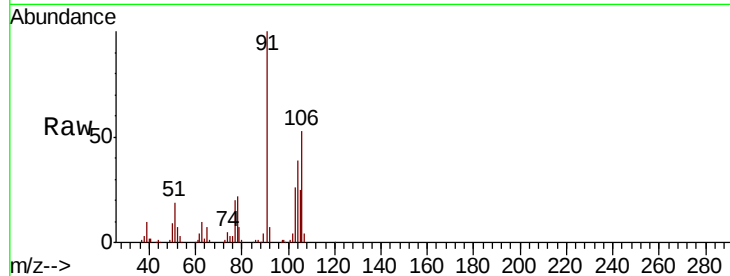




#69
o-Xylene
Concen: 21.308 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

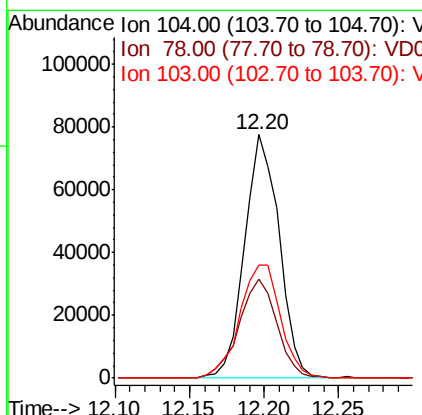
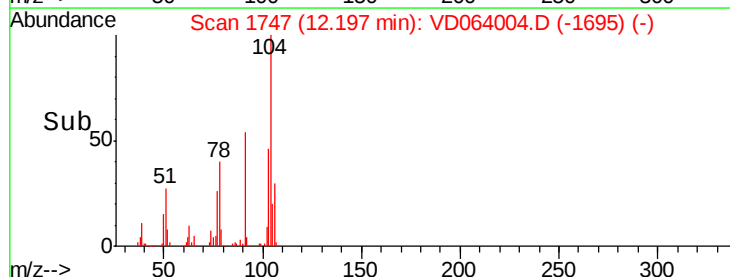
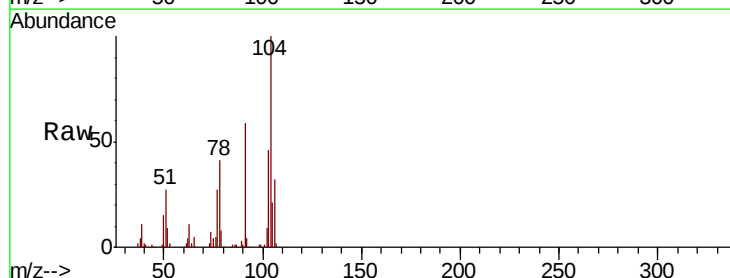
Instrument :
MSVOA_D
ClientSampled :

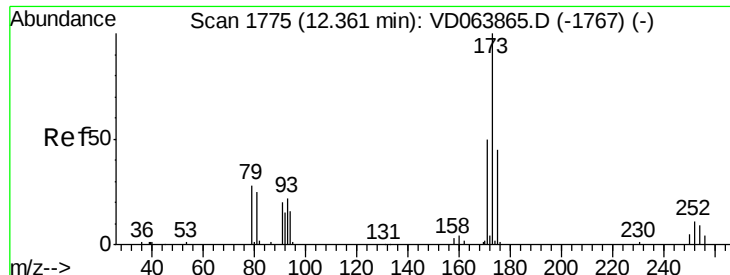
Tot Ion:106 Resp: 75144
Ion Ratio Lower Upper
106 100
91 195.7 103.9 311.7



#70
Styrene
Concen: 20.793 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion:104 Resp: 124135
Ion Ratio Lower Upper
104 100
78 44.8 37.0 55.4
103 55.0 44.2 66.4

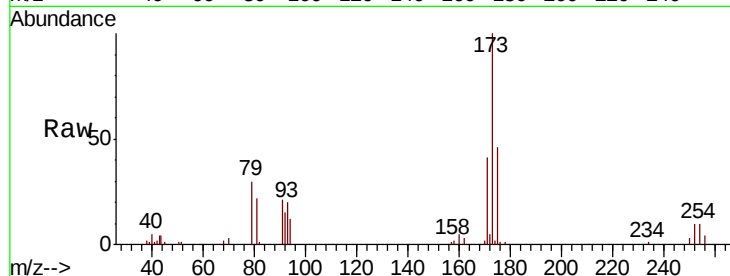




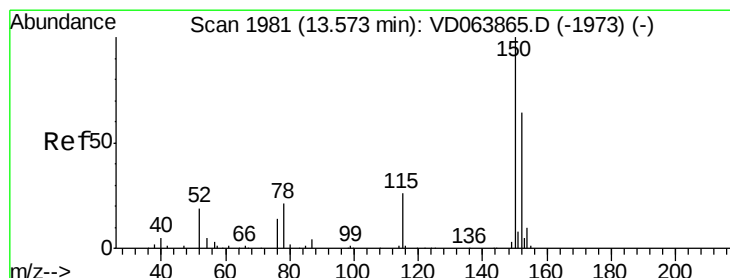
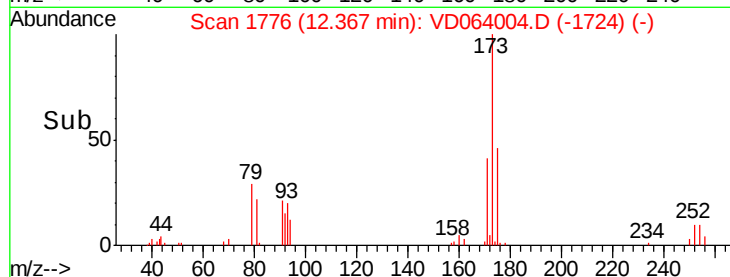
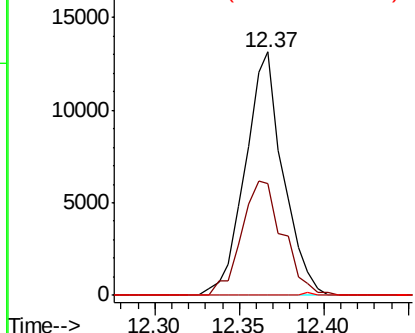
#71
Bromoform
Concen: 19.586 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 20496
Ion Ratio Lower Upper
173 100
175 51.5 24.6 74.0
254 0.0 0.0 0.0

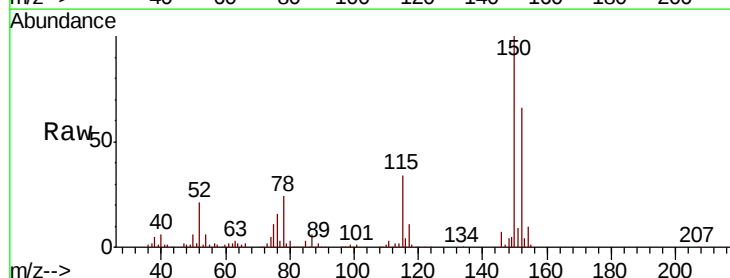


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

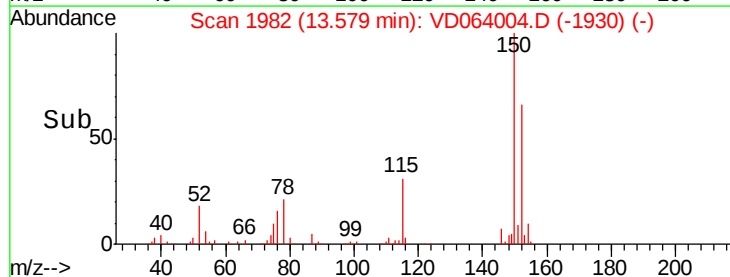
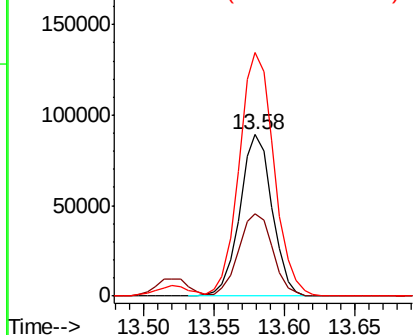


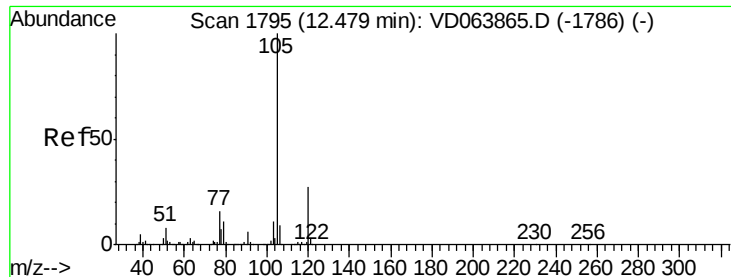
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion:152 Resp: 142910
Ion Ratio Lower Upper
152 100
115 54.1 25.9 77.7
150 162.2 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: 20.776 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

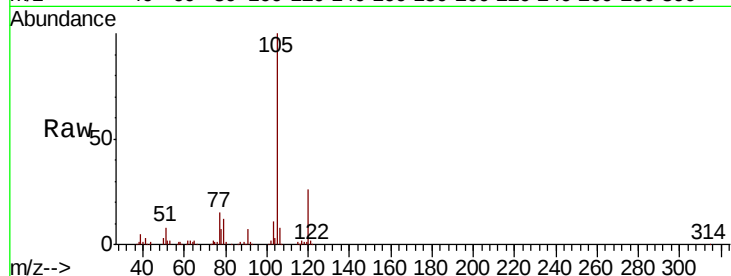
ClientSampled :

Tot Ion:105 Resp: 199600

Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

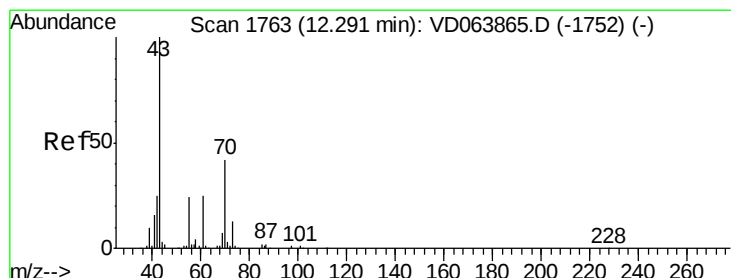
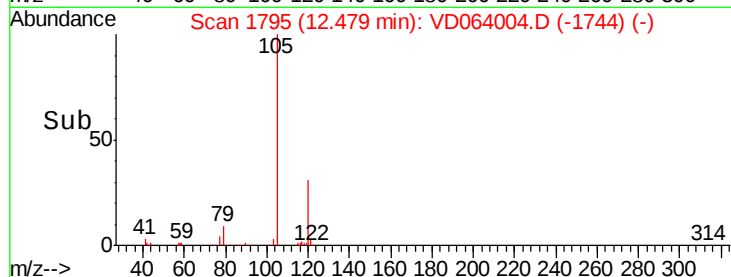
100000

50000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 17.918 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Tgt Ion: 43 Resp: 37062

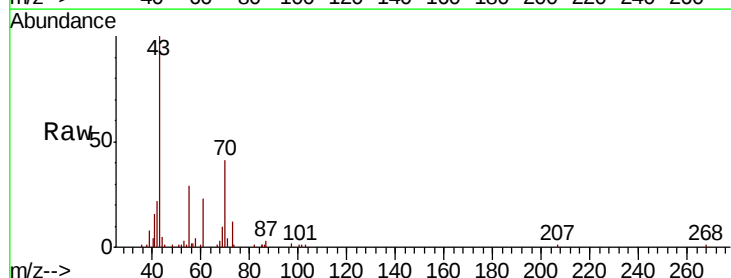
Ion Ratio Lower Upper

43 100

70 47.2 35.8 53.6

55 26.6 19.4 29.0

61 24.2 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

30000

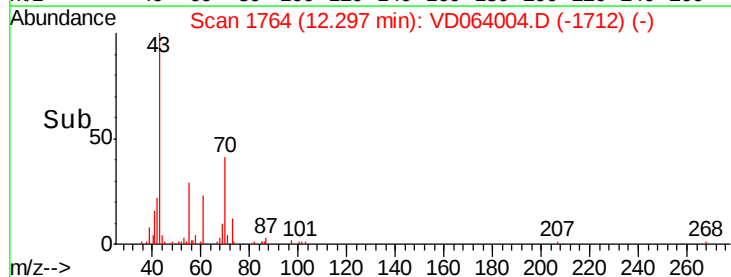
20000

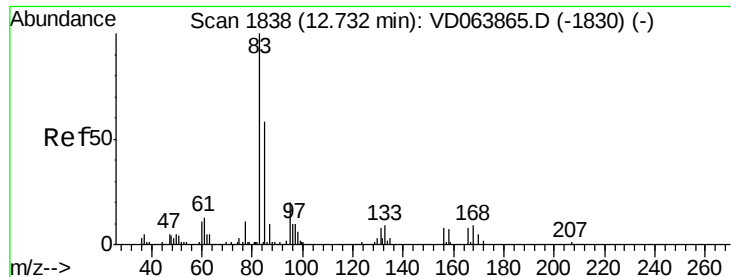
10000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.725 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

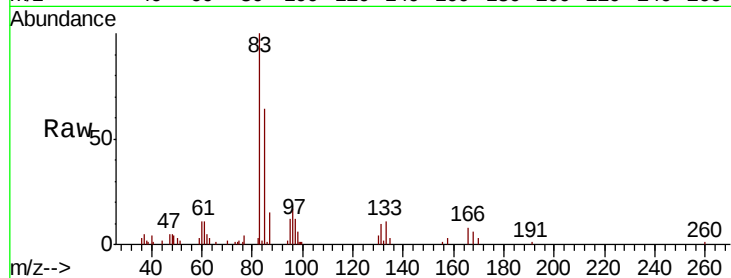
Tot Ion: 83 Resp: 32976

Ion Ratio Lower Upper

83 100

131 11.7 5.6 16.8

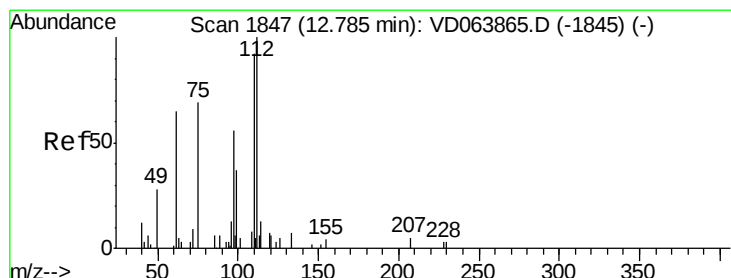
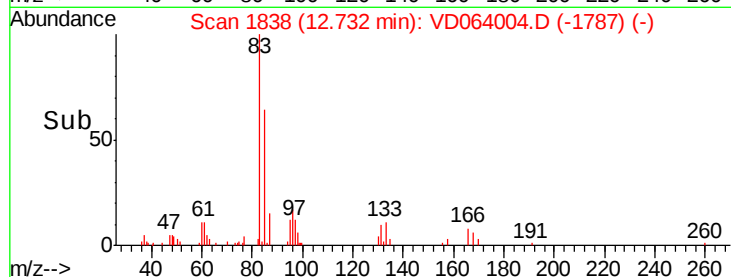
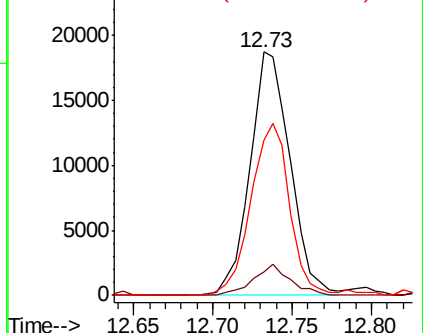
85 68.0 32.3 96.8



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: 43.943 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064004.D

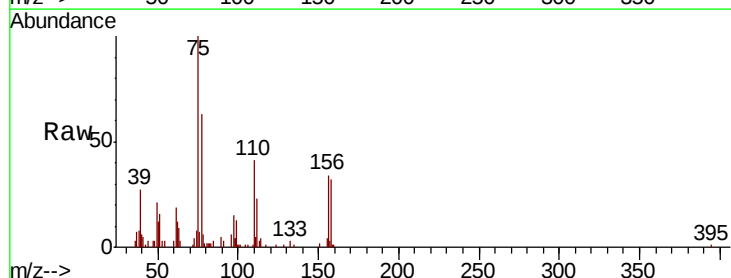
Acq: 18 Oct 2019 12:05

Tgt Ion: 75 Resp: 42061

Ion Ratio Lower Upper

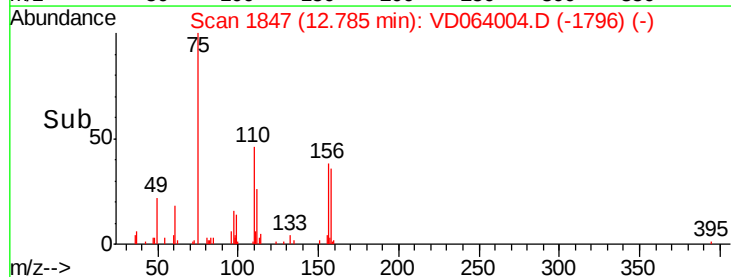
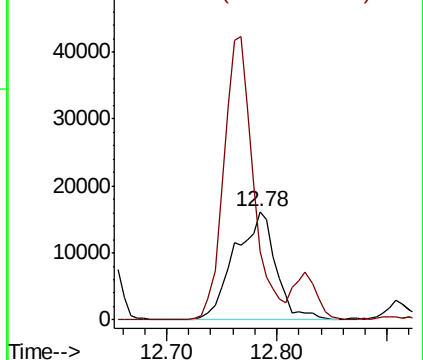
75 100

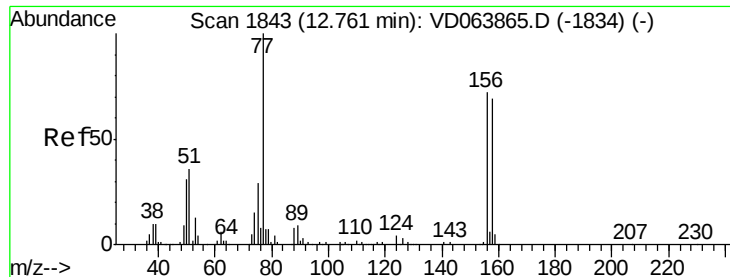
77 189.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

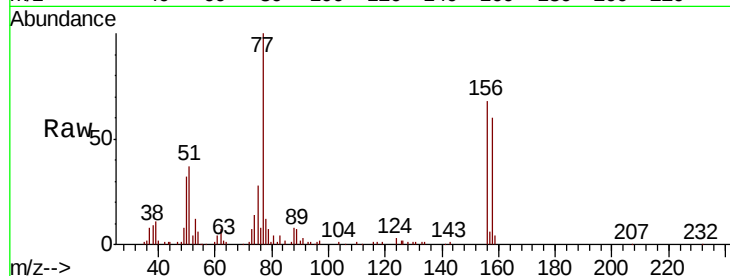




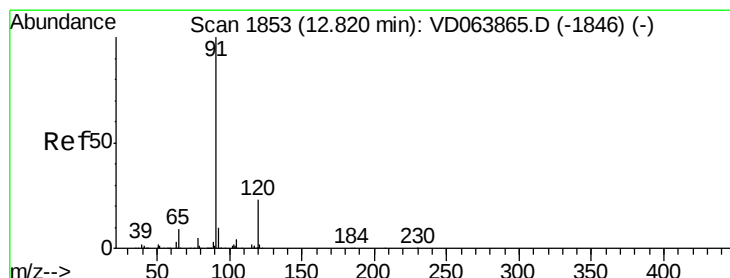
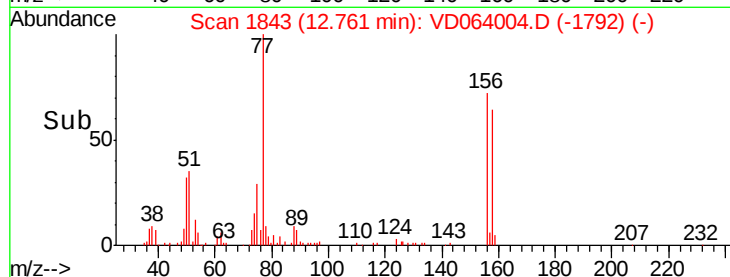
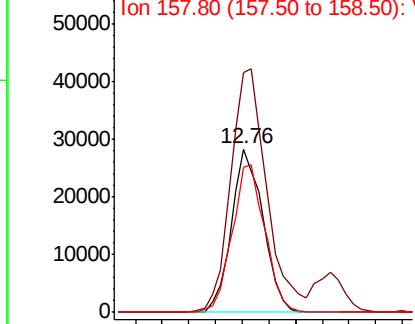
#77
Bromobenzene
Concen: 19.528 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 46741
Ion Ratio Lower Upper
156 100
77 170.3 80.3 241.0
158 93.1 47.4 142.2

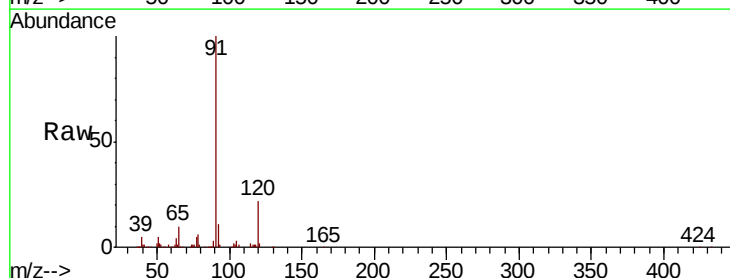


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

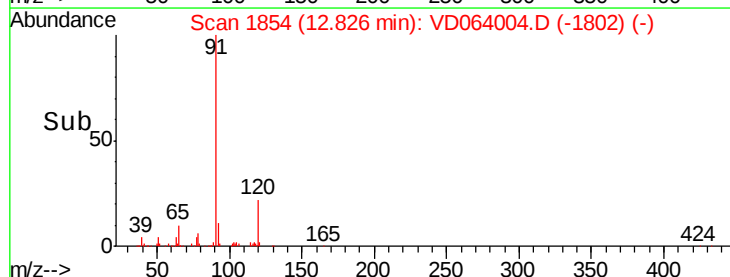
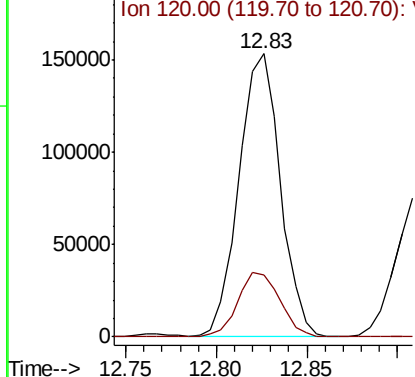


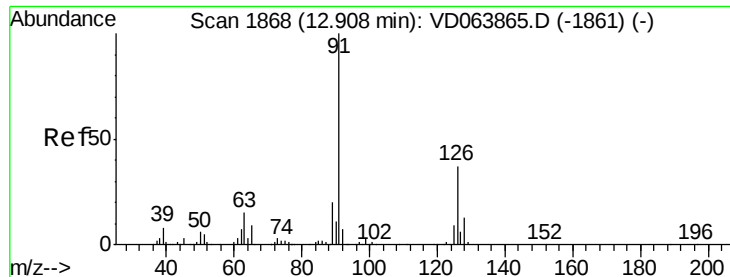
#78
n-propylbenzene
Concen: 21.564 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion: 91 Resp: 243177
Ion Ratio Lower Upper
91 100
120 23.2 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: 21.038 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

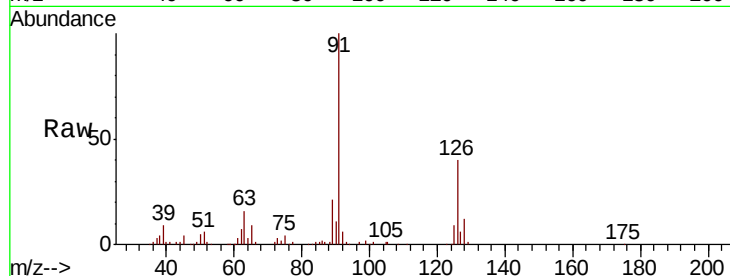
ClientSampled :

Tot Ion: 91 Resp: 130814

Ion Ratio Lower Upper

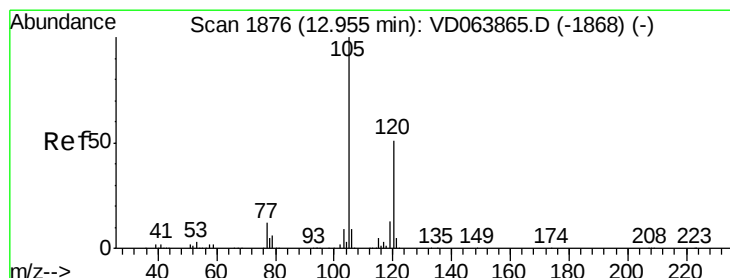
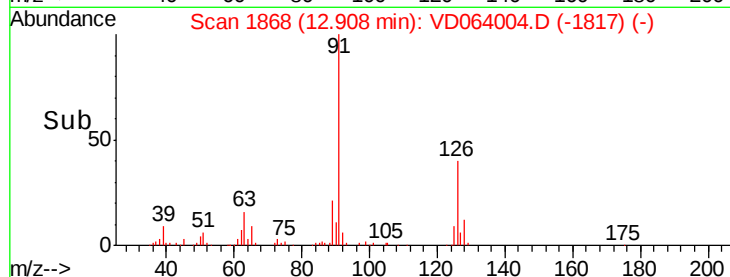
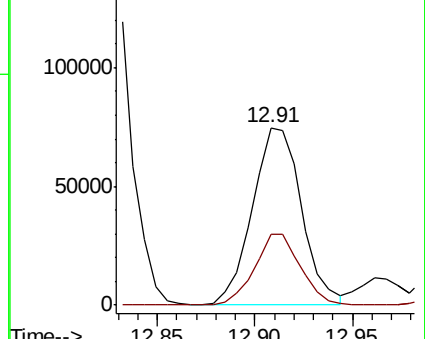
91 100

126 37.2 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.330 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064004.D

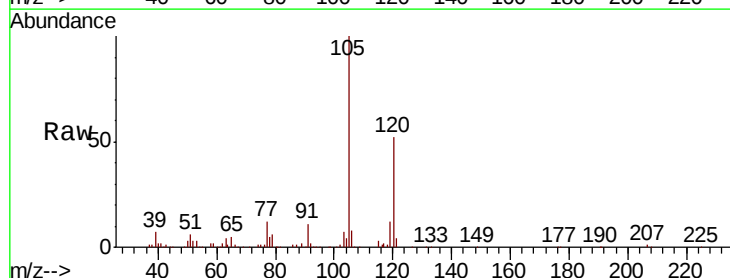
Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 170962

Ion Ratio Lower Upper

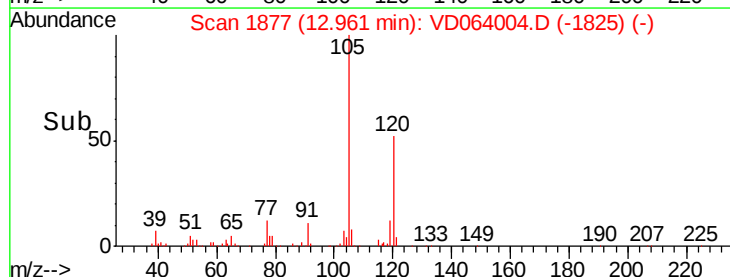
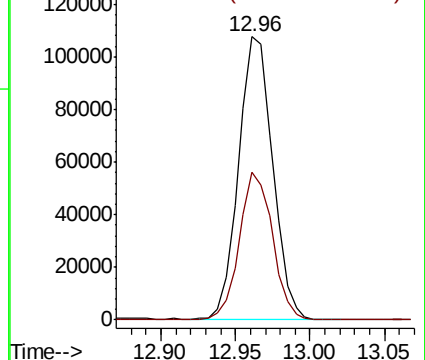
105 100

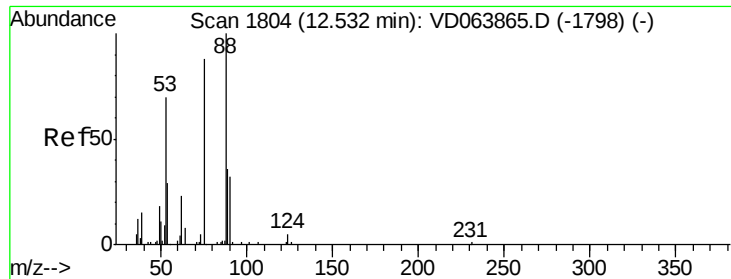
120 50.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.737 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

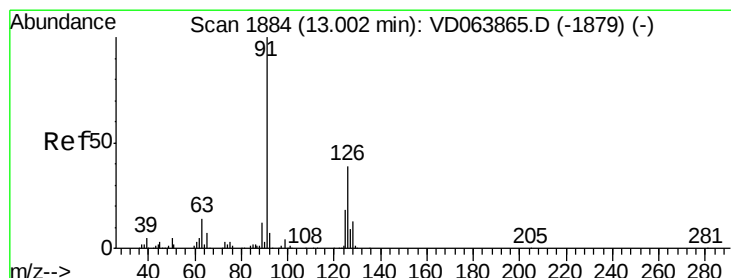
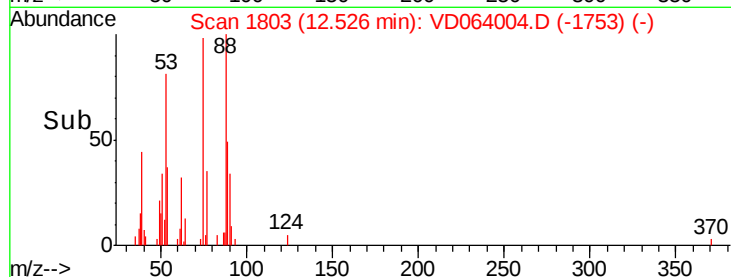
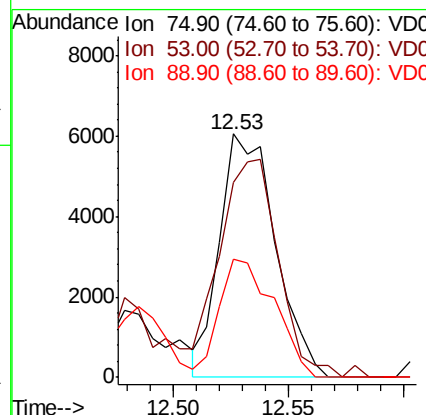
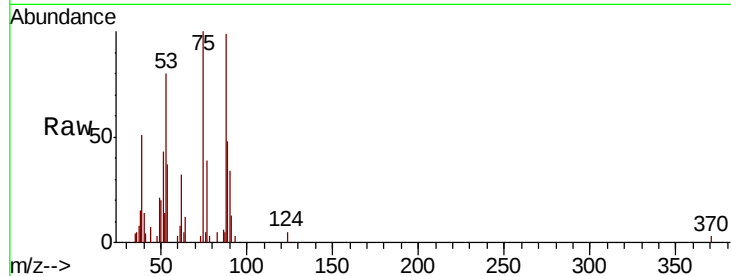
Tot Ion: 75 Resp: 10135

Ion Ratio Lower Upper

75 100

53 97.6 75.0 112.6

89 47.9 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.628 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064004.D

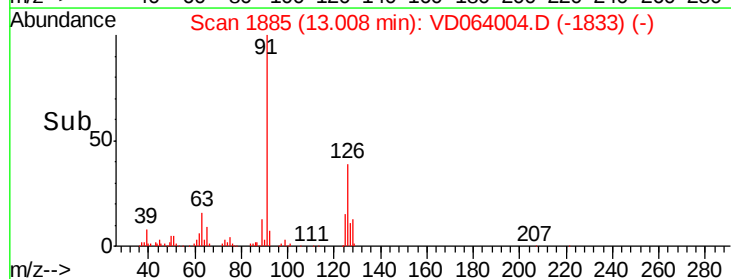
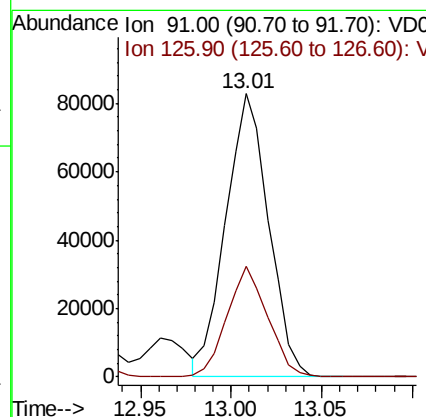
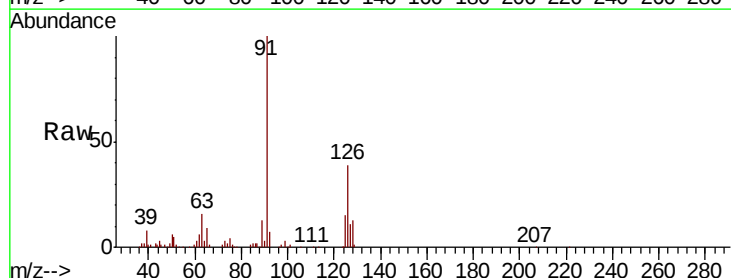
Acq: 18 Oct 2019 12:05

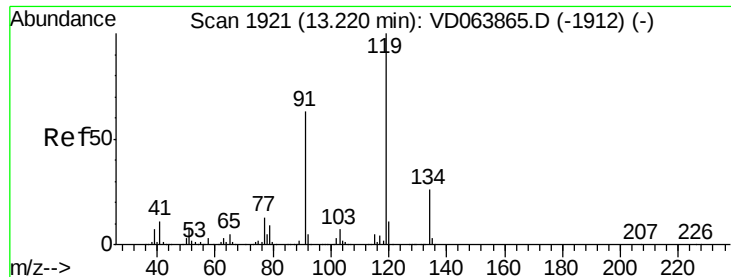
Tgt Ion: 91 Resp: 136061

Ion Ratio Lower Upper

91 100

126 37.1 18.6 55.8

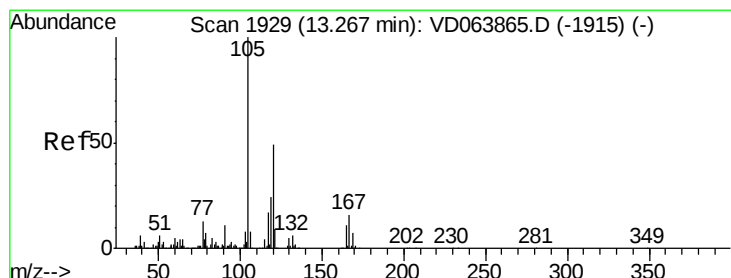
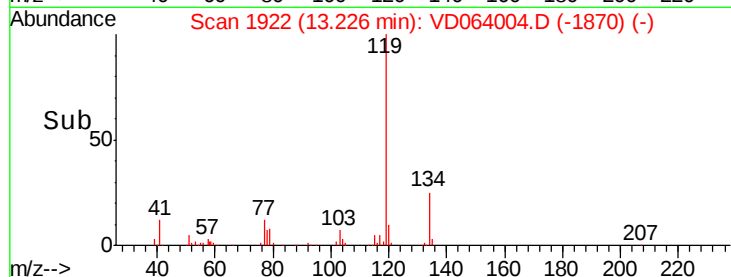
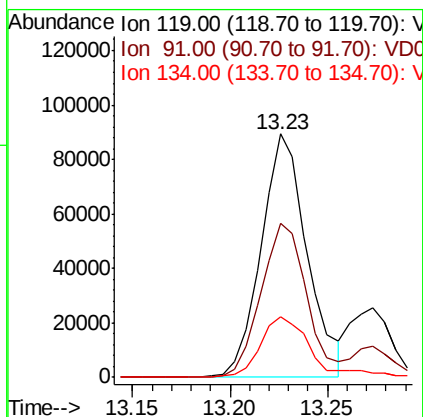
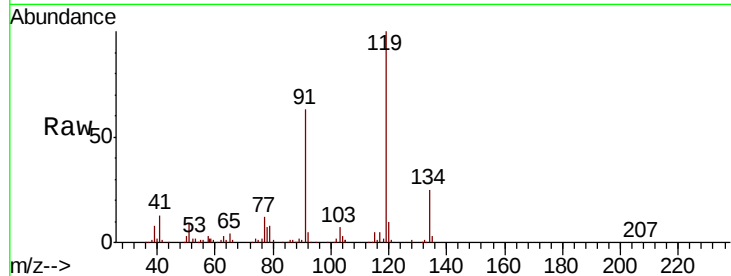




#83
tert-Butylbenzene
Concen: 20.453 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

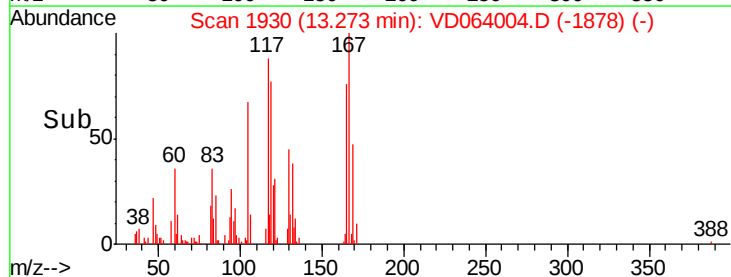
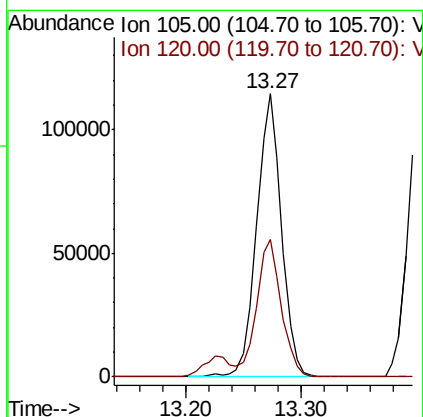
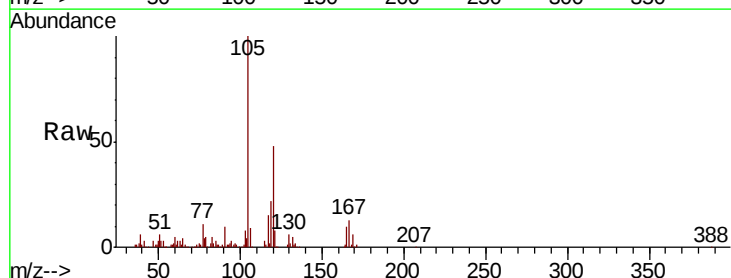
Instrument :
MSVOA_D
ClientSampleId :

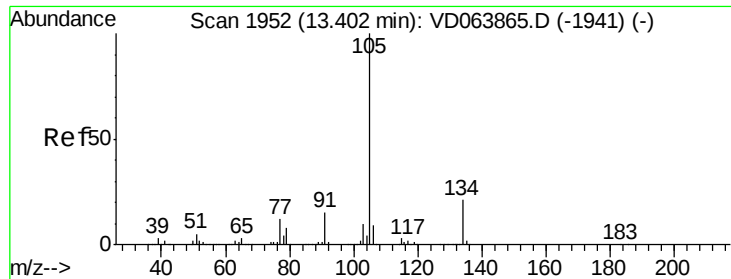
Tot Ion:119 Resp: 145896
Ion Ratio Lower Upper
119 100
91 62.7 30.0 90.0
134 27.6 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.716 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion:105 Resp: 171170
Ion Ratio Lower Upper
105 100
120 48.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 21.951 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

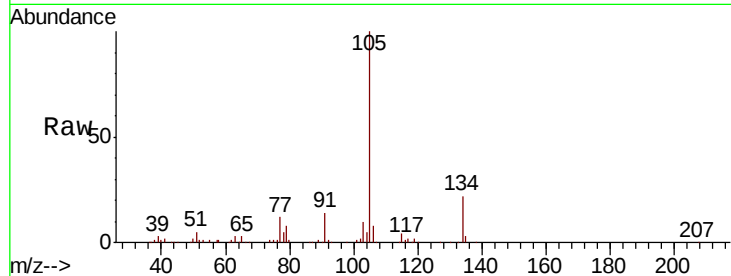
ClientSampled :

Tot Ion:105 Resp: 211455

Ion Ratio Lower Upper

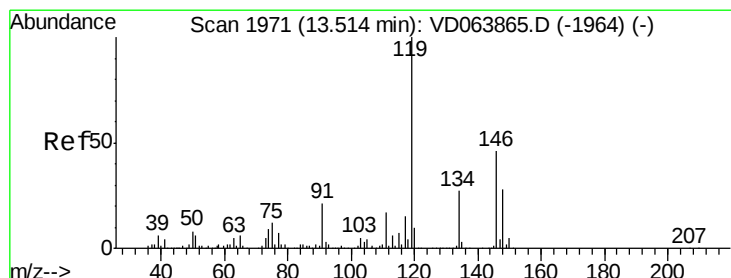
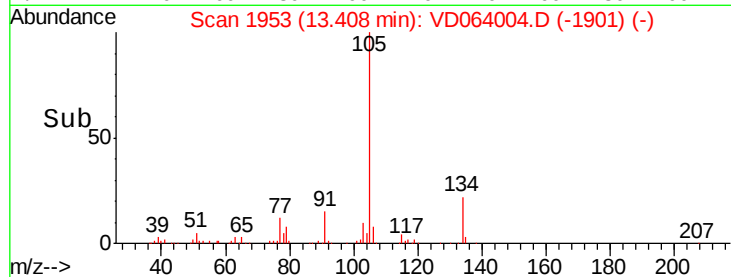
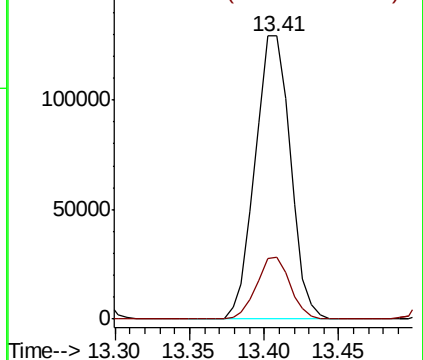
105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.893 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

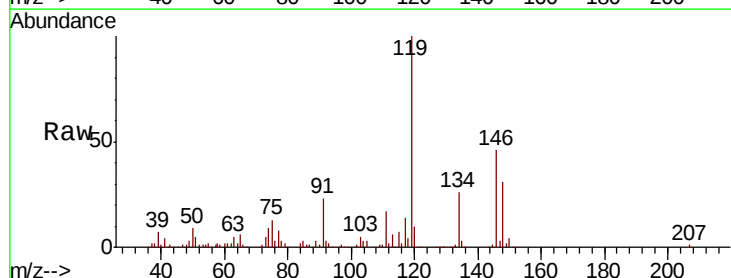
Tgt Ion:119 Resp: 190448

Ion Ratio Lower Upper

119 100

134 27.1 13.9 41.6

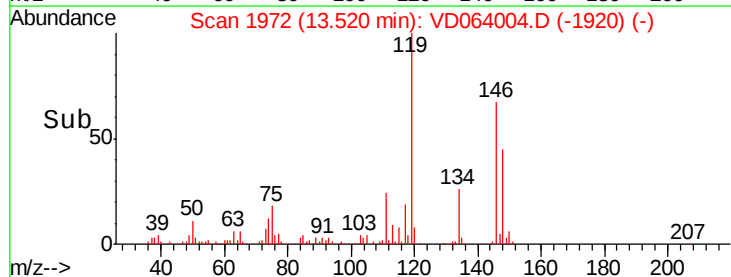
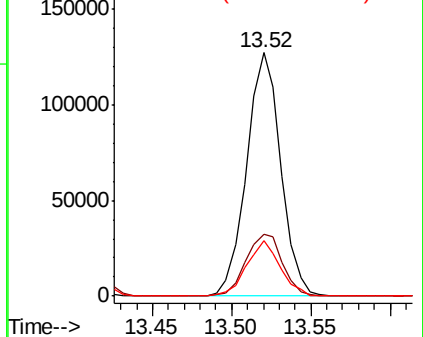
91 22.4 11.2 33.5

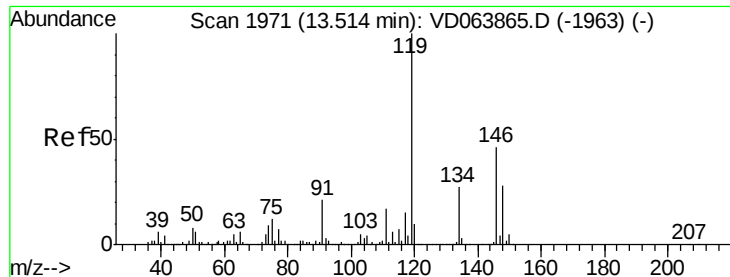


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

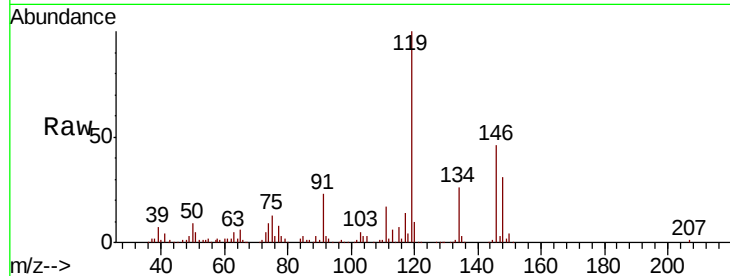




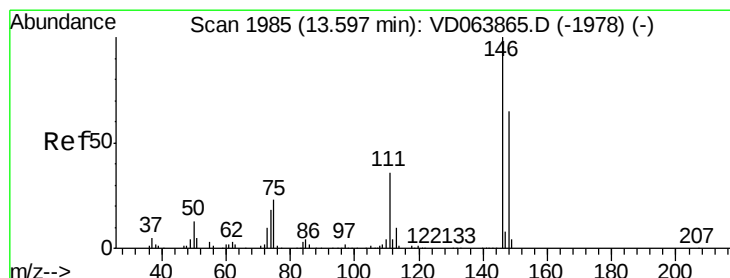
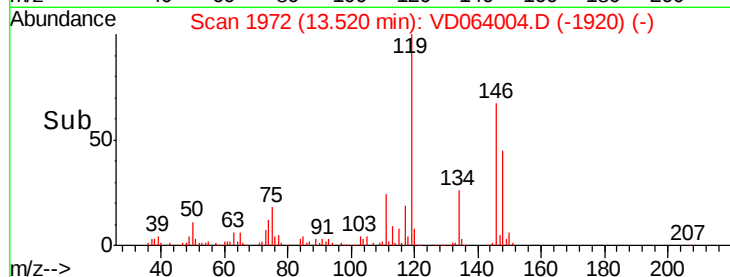
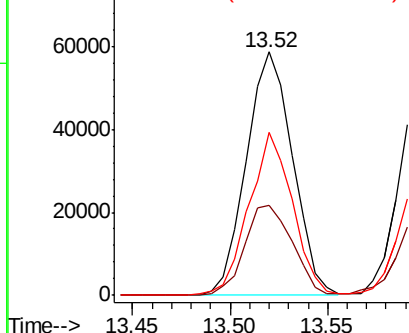
#87
 1,3-Dichlorobenzene
 Concen: 20.444 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 96690
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.3 54.9
 148 62.8 31.8 95.4

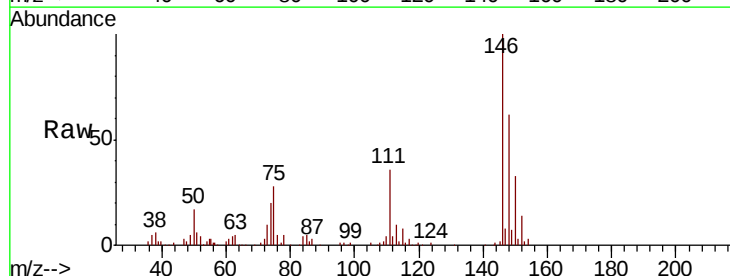


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

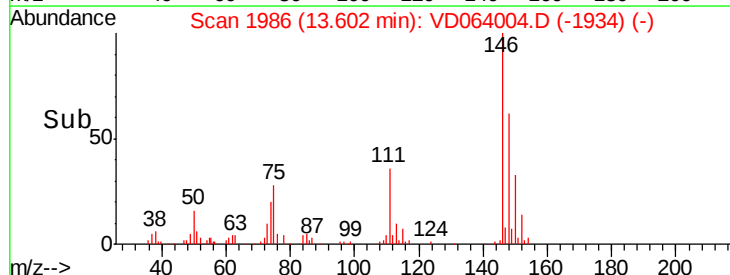
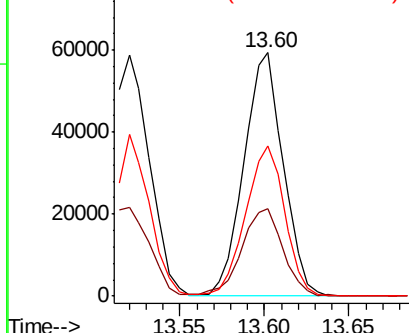


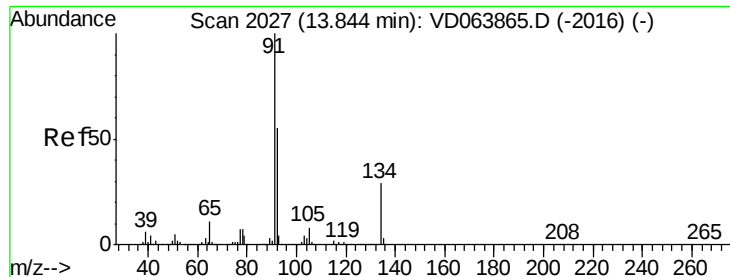
#88
 1,4-Dichlorobenzene
 Concen: 20.642 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion:146 Resp: 96310
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 56.0
 148 61.7 32.6 98.0



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

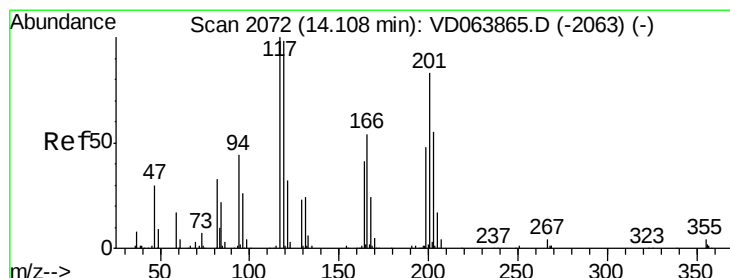
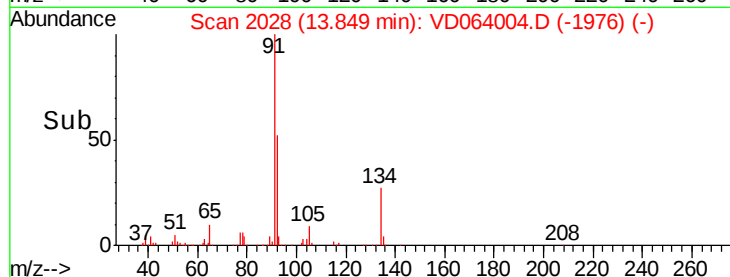
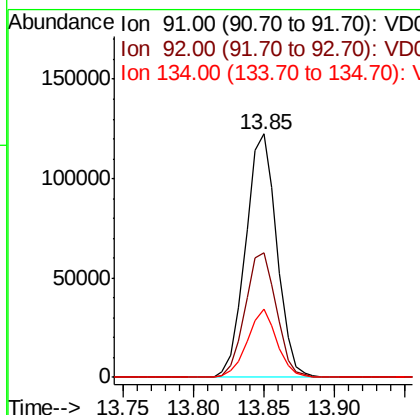
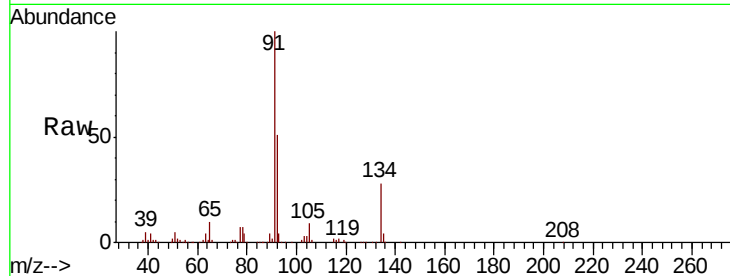




#89
n-Butylbenzene
Concen: 22.350 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

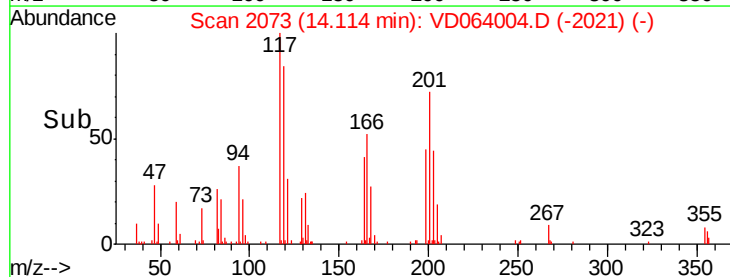
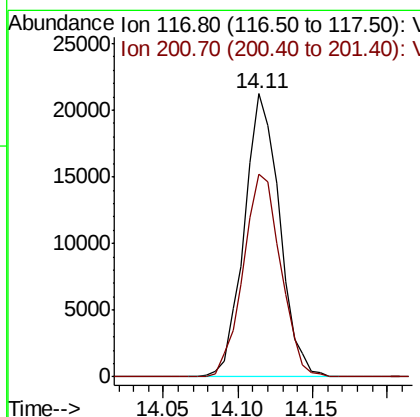
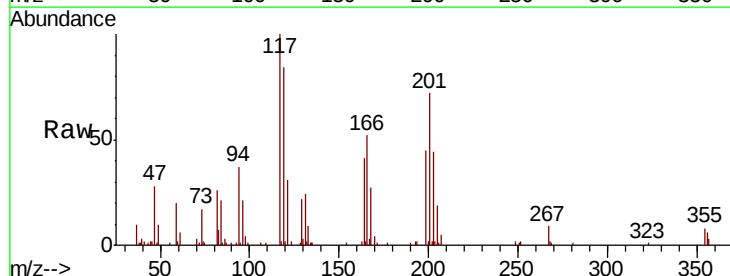
Instrument :
MSVOA_D
ClientSampleId :

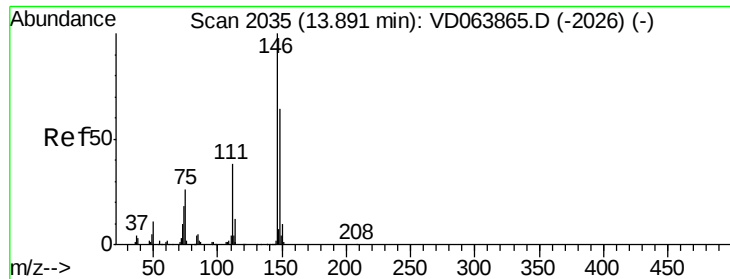
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.8	80.3
134	26.4	14.4	43.0



#90
Hexachloroethane
Concen: 21.175 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 20.552 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

Instrument :

MSVOA_D

ClientSampleId :

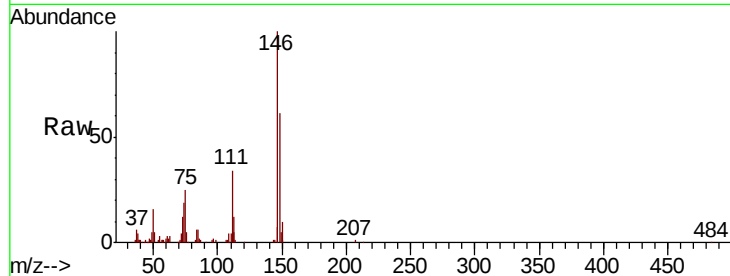
Tot Ion:146 Resp: 83765

Ion Ratio Lower Upper

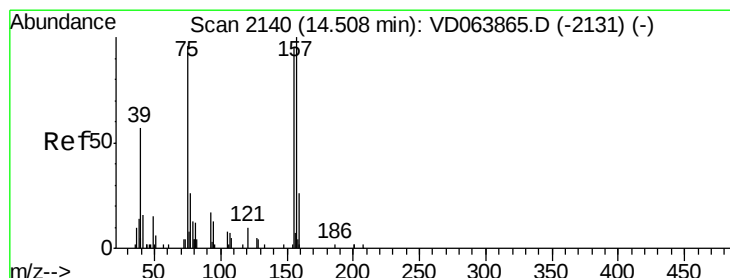
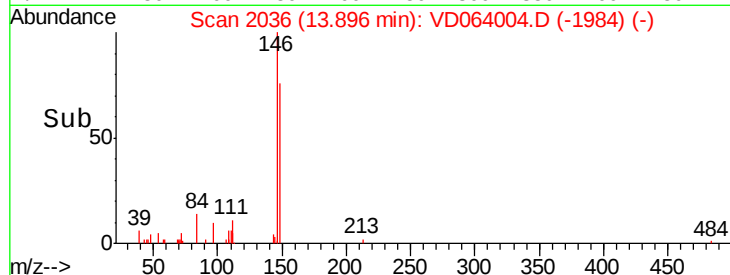
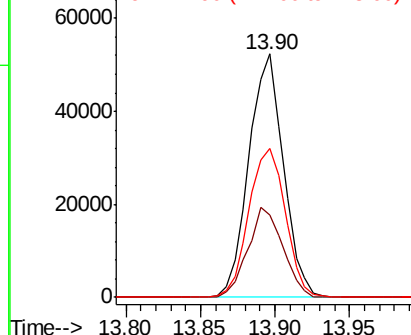
146 100

111 37.4 18.6 55.6

148 64.6 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: 18.879 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064004.D

Acq: 18 Oct 2019 12:05

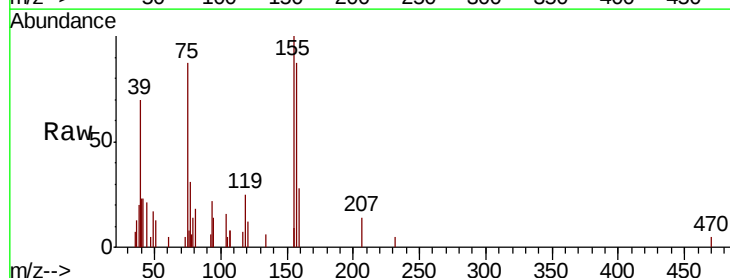
Tgt Ion: 75 Resp: 5301

Ion Ratio Lower Upper

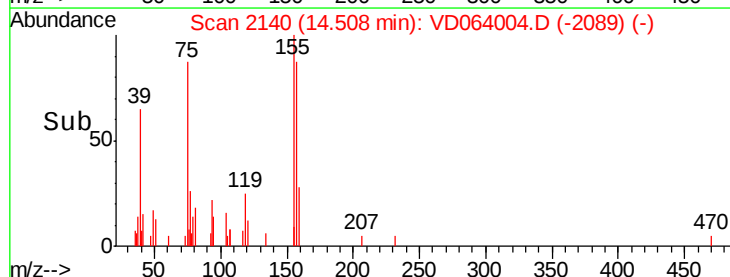
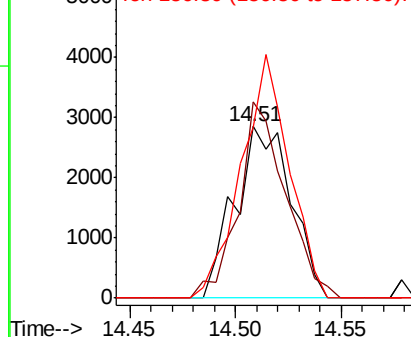
75 100

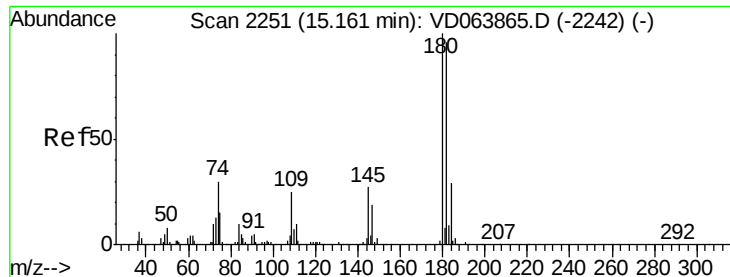
155 95.2 43.9 131.6

157 120.2 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

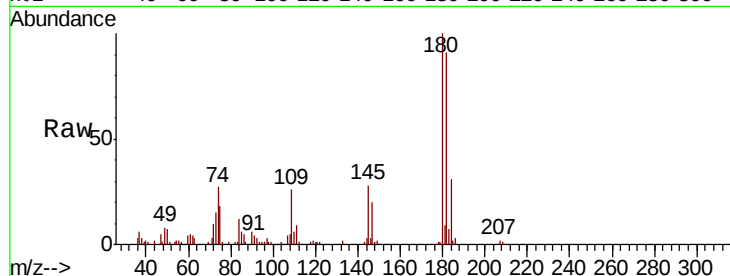




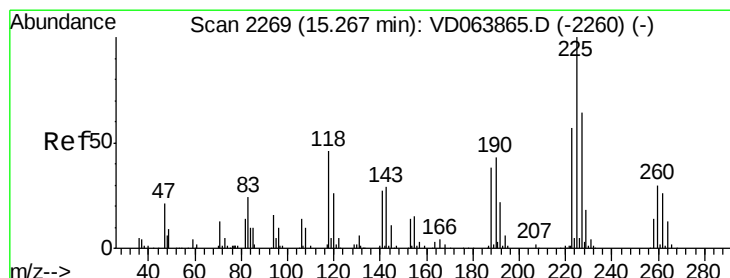
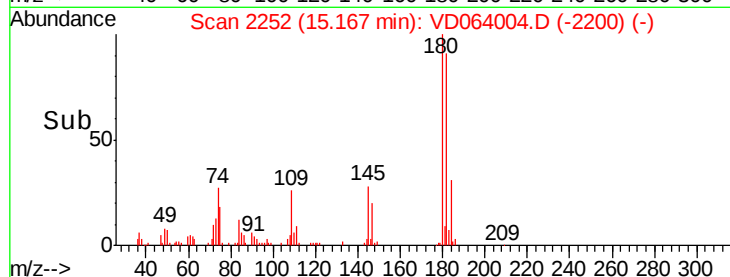
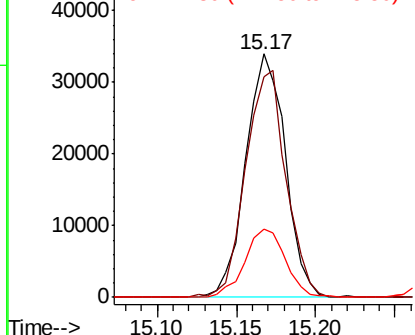
#93
 1,2,4-Trichlorobenzene
 Concen: 18.837 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	28.5	13.9	41.7

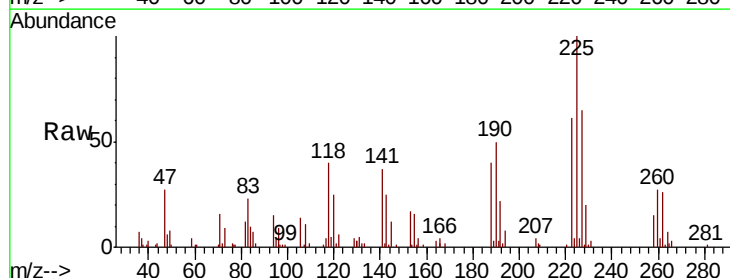


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

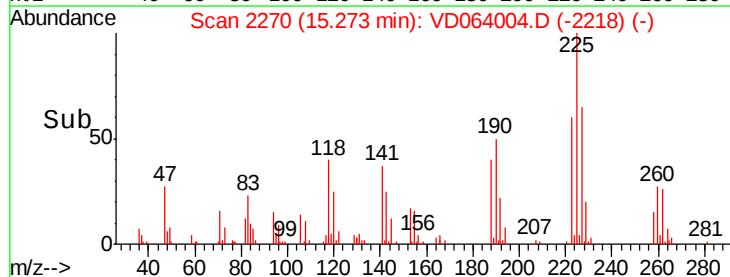
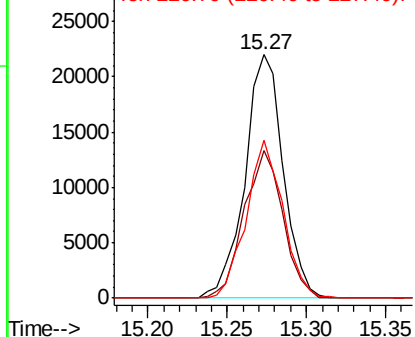


#94
 Hexachlorobutadiene
 Concen: 21.275 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064004.D
 Acq: 18 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	29.5	88.6
227	62.3	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

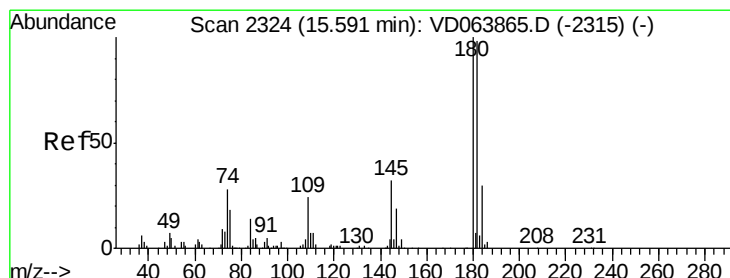
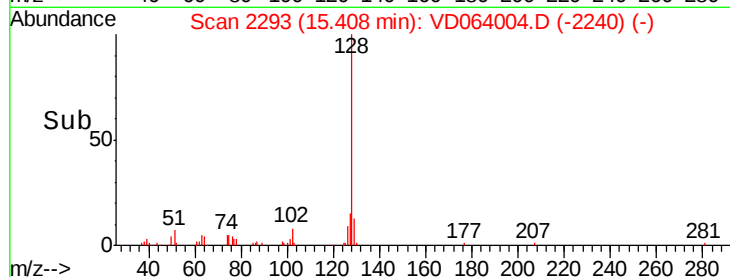
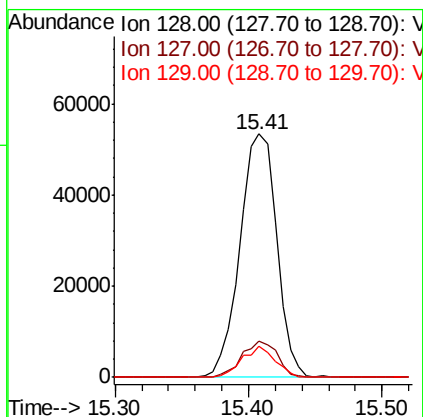
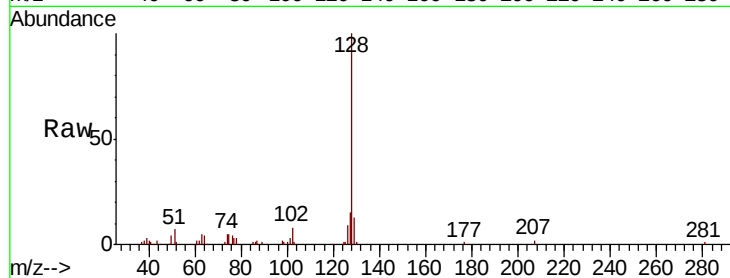




#95
Naphthalene
Concen: 19.240 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 101698
Ion Ratio Lower Upper
128 100
127 14.4 10.6 16.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.910 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064004.D
Acq: 18 Oct 2019 12:05

Tgt Ion:180 Resp: 51309
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.0
145 29.3 15.3 45.9

