

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064041.D
 Acq On : 24 Oct 2019 12:33
 Operator : VA/SY
 Sample : VD1024SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:56:49 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	7.99	168	147230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	229286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	232059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	128122	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	74840	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	7.92	113	76632	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.34	98	319704	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	106266	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	20612	19.741	ug/l	90
3) Chloromethane	2.21	50	69427	22.179	ug/l	96
4) Vinyl Chloride	2.35	62	85468	25.327	ug/l	96
5) Bromomethane	2.76	94	53170	24.508	ug/l	92
6) Chloroethane	2.92	64	54365	24.360	ug/l	91
7) Trichlorofluoromethane	3.27	101	118794	26.625	ug/l	99
8) Diethyl Ether	3.70	74	16496	23.035	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	28479	23.059	ug/l	96
10) Methyl Iodide	4.30	142	30169	17.728	ug/l	99
11) Tert butyl alcohol	5.26	59	10119	96.698	ug/l	94
12) 1,1-Dichloroethene	4.06	96	24435	19.803	ug/l	98
13) Acrolein	3.92	56	9226	72.066	ug/l #	82
14) Allyl chloride	4.70	41	44486	21.685	ug/l #	19
15) Acrylonitrile	5.43	53	35598	112.746	ug/l	99
16) Acetone	4.17	43	36516	97.848	ug/l	90
17) Carbon Disulfide	4.40	76	81876	18.254	ug/l #	95
18) Methyl Acetate	4.73	43	17930	24.564	ug/l #	88
19) Methyl tert-butyl Ether	5.48	73	61796	19.340	ug/l #	87
20) Methylene Chloride	4.96	84	42368	24.022	ug/l #	86
21) trans-1,2-Dichloroethene	5.47	96	32916	21.429	ug/l	96
22) Diisopropyl ether	6.37	45	91030	21.727	ug/l	91
23) Vinyl Acetate	6.31	43	233930	93.857	ug/l	100
24) 1,1-Dichloroethane	6.27	63	58497	22.667	ug/l	95
25) 2-Butanone	7.23	43	48052	108.648	ug/l	93
26) 2,2-Dichloropropane	7.21	77	47917	20.526	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	37103	21.340	ug/l	99
28) Bromochloromethane	7.56	49	18456	19.973	ug/l	95
29) Tetrahydrofuran	7.58	42	26643	103.209	ug/l	97
30) Chloroform	7.71	83	63293	22.581	ug/l	98
31) Cyclohexane	7.99	56	54472	23.407	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	56452	23.479	ug/l	95
36) 1,1-Dichloropropene	8.11	75	46957	22.399	ug/l	96
37) Ethyl Acetate	7.30	43	21481	23.434	ug/l #	91
38) Carbon Tetrachloride	8.10	117	47362	22.356	ug/l #	87

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 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)
39) Methylcyclohexane	9.36	83	58603	22.735	ug/l	95
40) Benzene	8.35	78	139392	23.202	ug/l	95
41) Methacrylonitrile	7.54	41	10483	21.568	ug/l	94
42) 1,2-Dichloroethane	8.43	62	36618	21.071	ug/l	99
43) Isopropyl Acetate	8.46	43	36038	20.498	ug/l #	83
44) Trichloroethene	9.12	130	38859	22.431	ug/l	97
45) 1,2-Dichloropropane	9.40	63	34334	23.349	ug/l #	84
46) Dibromomethane	9.48	93	19235	22.968	ug/l	99
47) Bromodichloromethane	9.67	83	45865	21.272	ug/l #	95
48) Methyl methacrylate	9.46	41	16772	19.910	ug/l	97
49) 1,4-Dioxane	9.47	88	4906	429.176	ug/l	95
51) 4-Methyl-2-Pentanone	10.24	43	100336	110.041	ug/l	98
52) Toluene	10.41	92	91952	22.296	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	45852	21.793	ug/l #	85
54) cis-1,3-Dichloropropene	10.09	75	52054	21.493	ug/l	93
55) 1,1,2-Trichloroethane	10.81	97	26945	22.787	ug/l	92
56) Ethyl methacrylate	10.67	69	30109	20.107	ug/l	92
57) 1,3-Dichloropropane	10.96	76	45123	22.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	65949	102.462	ug/l	98
59) 2-Hexanone	10.99	43	71721	108.738	ug/l	100
60) Dibromochloromethane	11.14	129	34502	22.412	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27122	23.660	ug/l	97
64) Tetrachloroethene	10.88	164	35130	22.175	ug/l	93
65) Chlorobenzene	11.67	112	106059	22.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	38169	22.227	ug/l	97
67) Ethyl Benzene	11.75	91	186727	22.220	ug/l	100
68) m/p-Xylenes	11.86	106	153709	47.389	ug/l	95
69) o-Xylene	12.18	106	68527	22.064	ug/l	99
70) Styrene	12.20	104	118337	22.507	ug/l	99
71) Bromoform	12.36	173	20885	22.662	ug/l #	97
73) Isopropylbenzene	12.48	105	186565	21.661	ug/l	99
74) N-amyl acetate	12.29	43	36756	19.821	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	31427	20.968	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	39089	45.552	ug/l #	100
77) Bromobenzene	12.77	156	46926	21.868	ug/l	98
78) n-propylbenzene	12.83	91	233215	23.068	ug/l	97
79) 2-Chlorotoluene	12.91	91	120161	21.555	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	159412	22.185	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	9177	18.925	ug/l	95
82) 4-Chlorotoluene	13.01	91	125291	21.187	ug/l	95
83) tert-Butylbenzene	13.23	119	136888	21.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	158997	21.463	ug/l	99
85) sec-Butylbenzene	13.40	105	194681	22.542	ug/l	99
86) p-Isopropyltoluene	13.52	119	180445	22.080	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93117	21.962	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	94029	22.479	ug/l	99
89) n-Butylbenzene	13.84	91	168425	22.141	ug/l	98
90) Hexachloroethane	14.11	117	32115	21.850	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	82039	22.452	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5168	20.755	ug/l	92

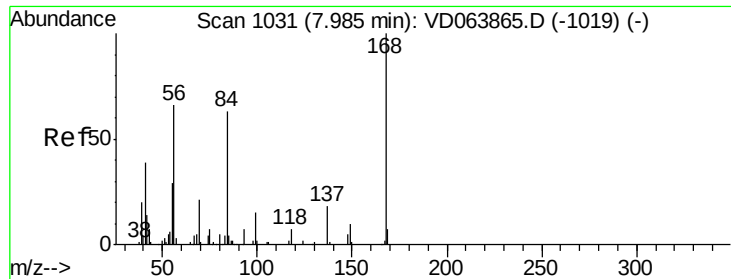
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	57239	20.302	ug/l	99
94) Hexachlorobutadiene	15.27	225	34003	21.855	ug/l	97
95) Naphthalene	15.41	128	95681	20.191	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	51036	20.980	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

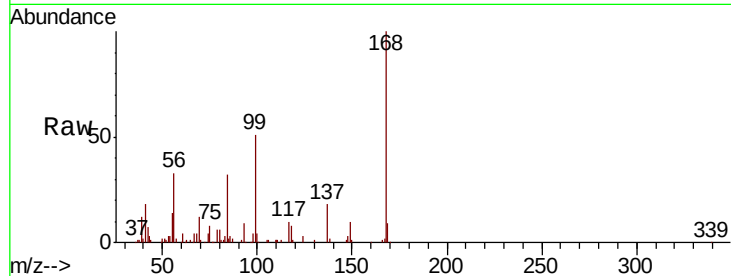
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 147230

Ion Ratio Lower Upper

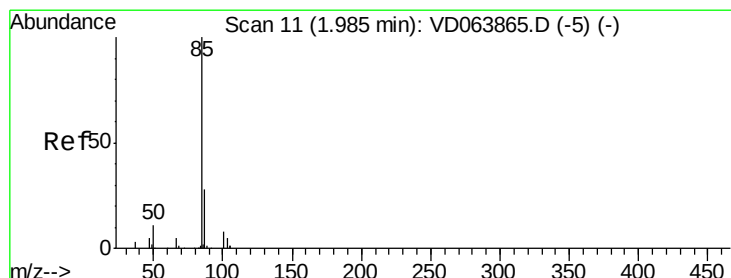
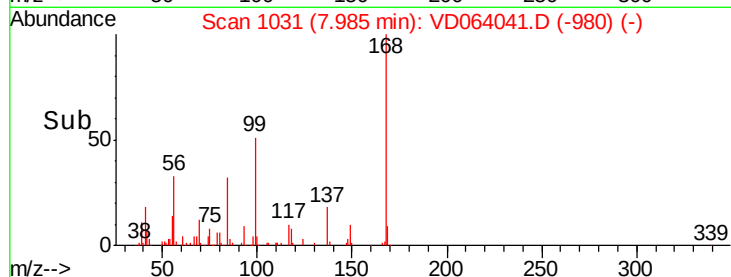
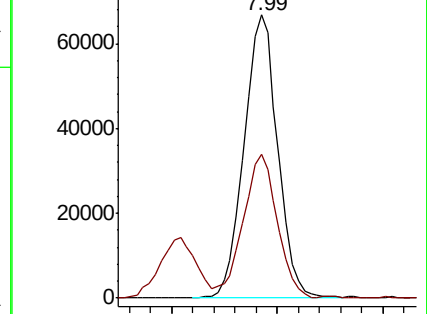
168 100

99 51.0 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: 19.741 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064041.D

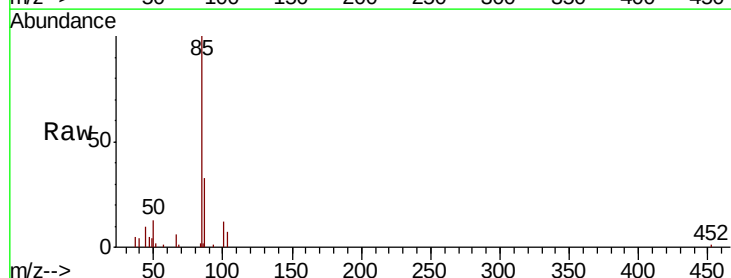
Acq: 24 Oct 2019 12:33

Tgt Ion: 85 Resp: 20612

Ion Ratio Lower Upper

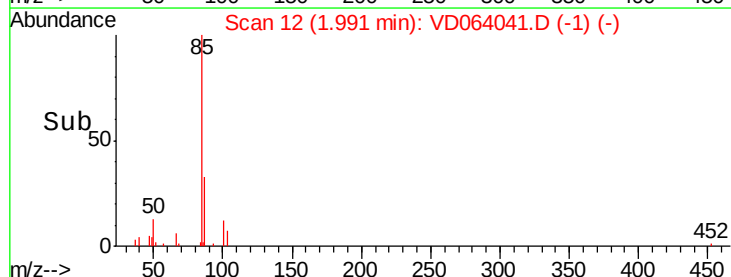
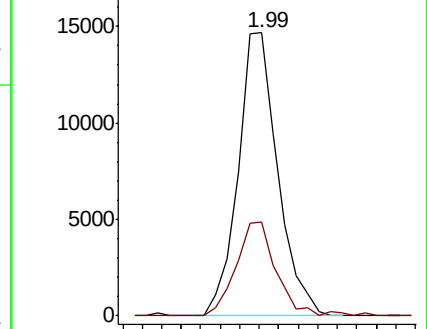
85 100

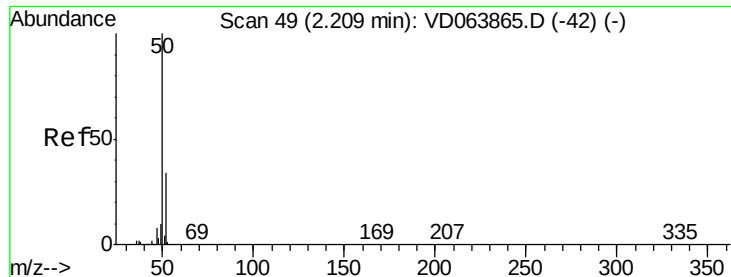
87 33.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.179 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

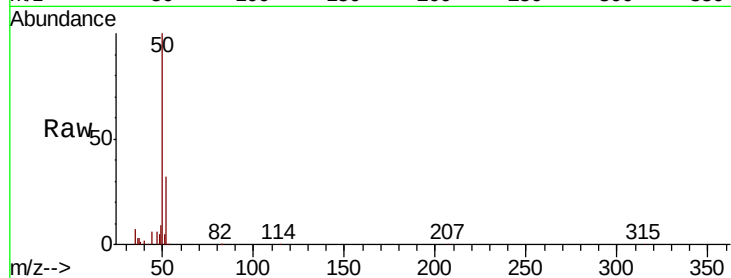
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 69427

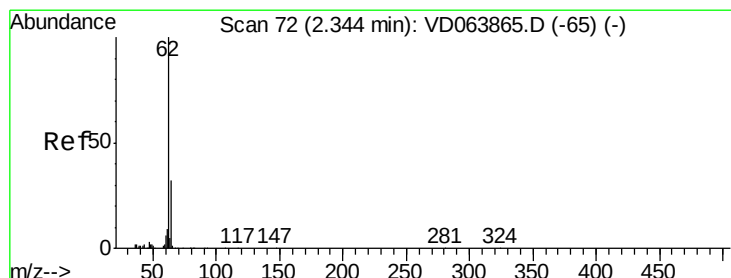
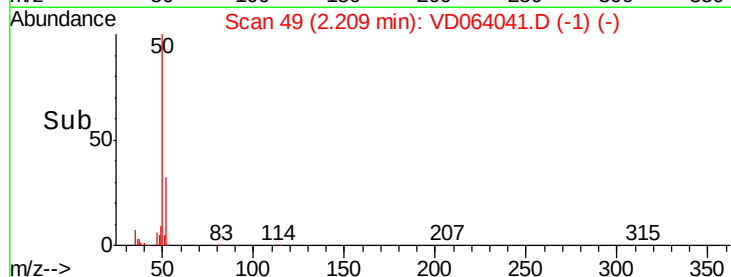
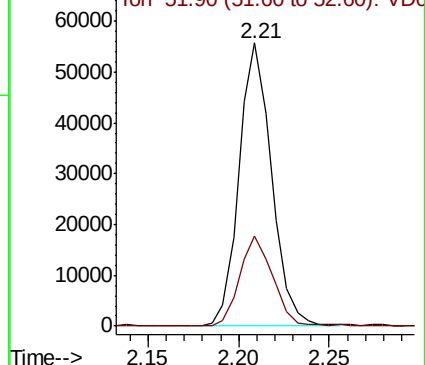
Ion Ratio Lower Upper

50 100

52 31.9 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: 25.327 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064041.D

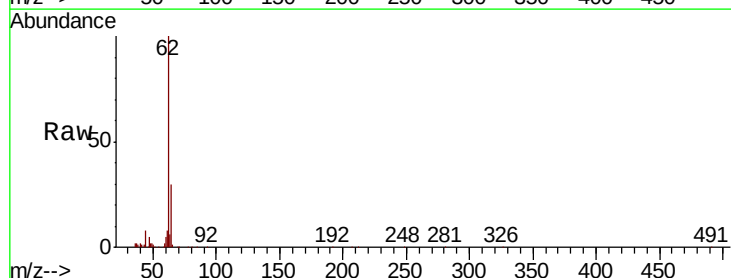
Acq: 24 Oct 2019 12:33

Tgt Ion: 62 Resp: 85468

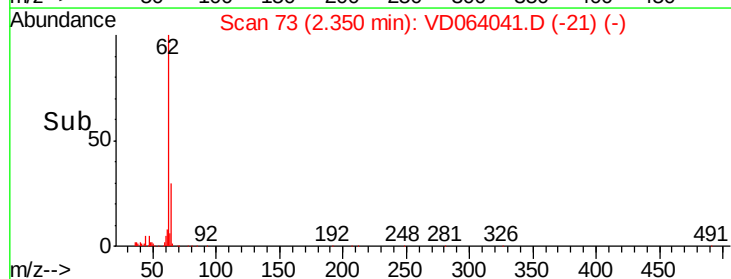
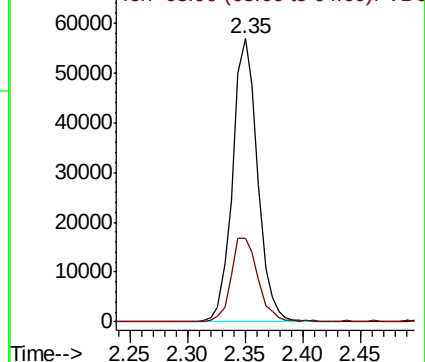
Ion Ratio Lower Upper

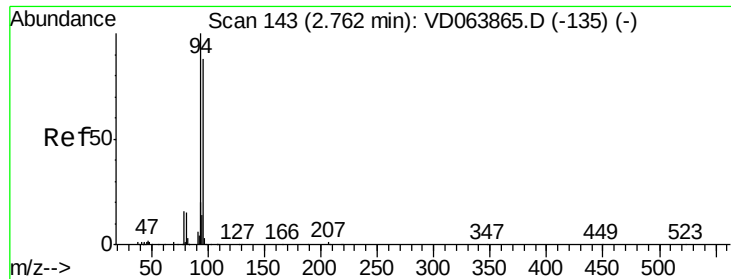
62 100

64 29.6 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: 24.508 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

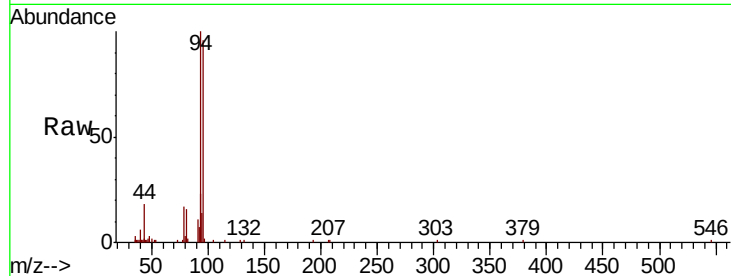
ClientSampled :

Tot Ion: 94 Resp: 53170

Ion Ratio Lower Upper

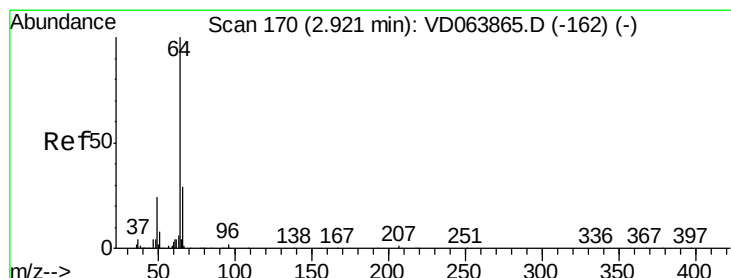
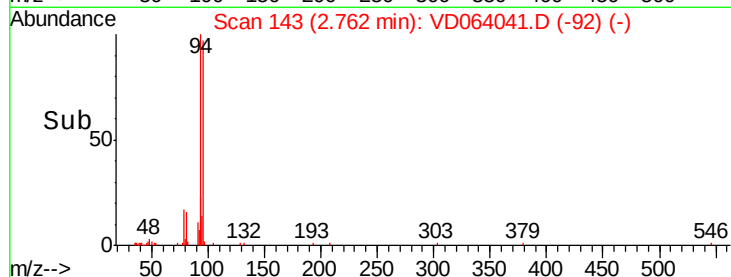
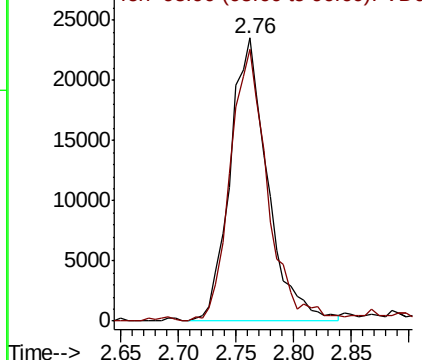
94 100

96 96.2 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: 24.360 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064041.D

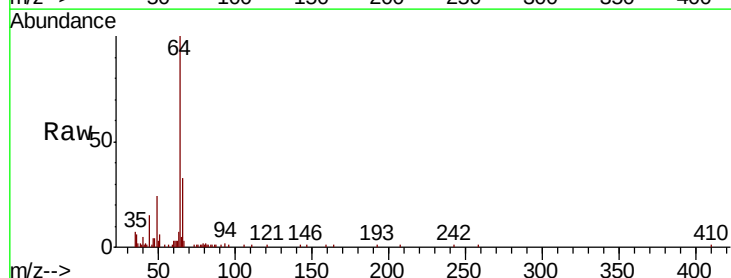
Acq: 24 Oct 2019 12:33

Tgt Ion: 64 Resp: 54365

Ion Ratio Lower Upper

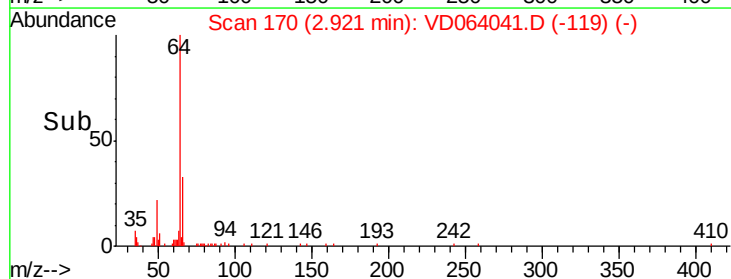
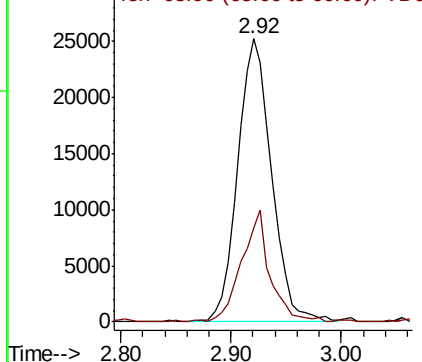
64 100

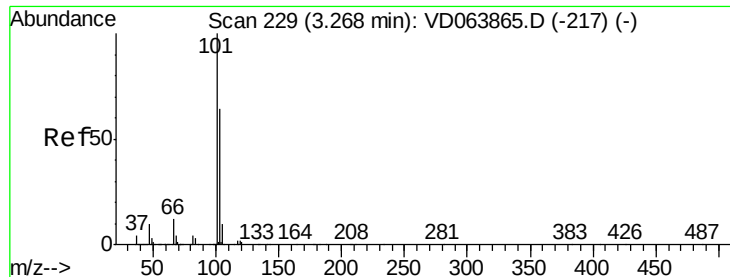
66 33.3 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



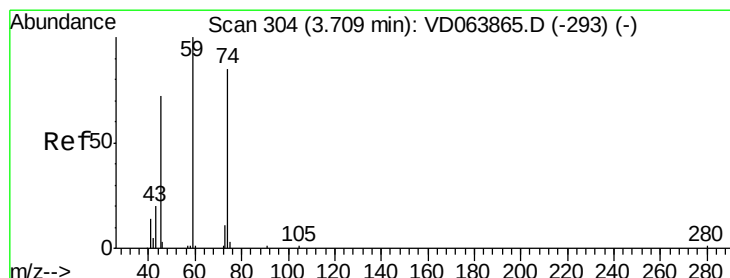
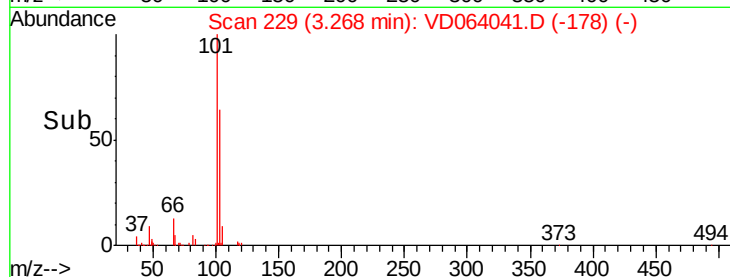
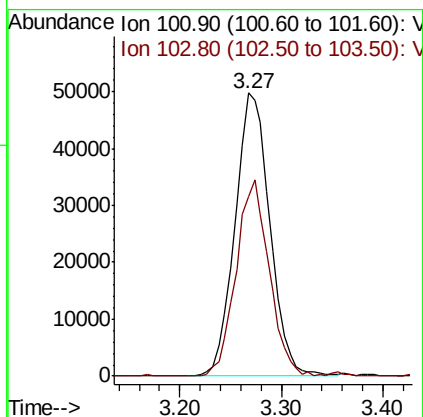
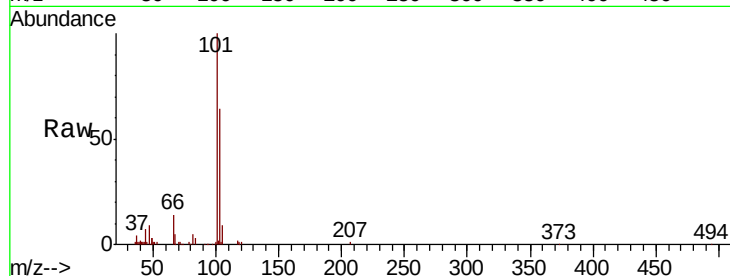


#7

Trichlorofluoromethane
Concen: 26.625 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

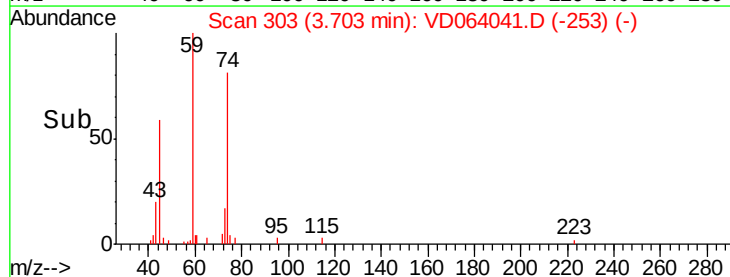
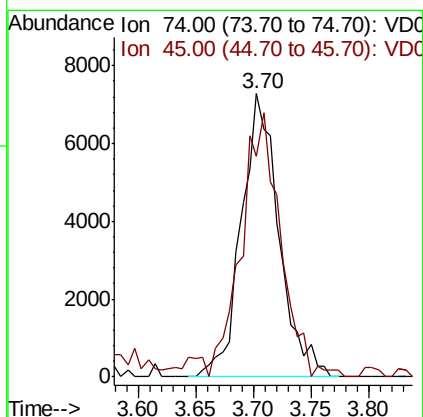
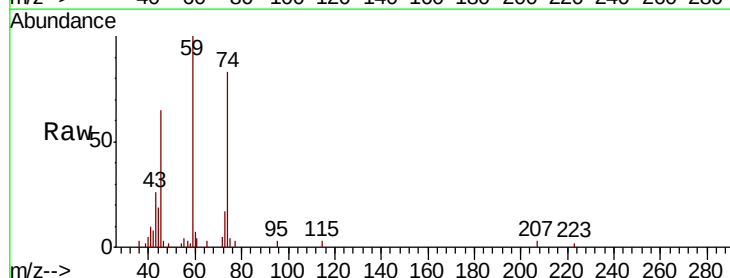
Tot Ion:101 Resp: 118794
Ion Ratio Lower Upper
101 100
103 63.5 51.1 76.7

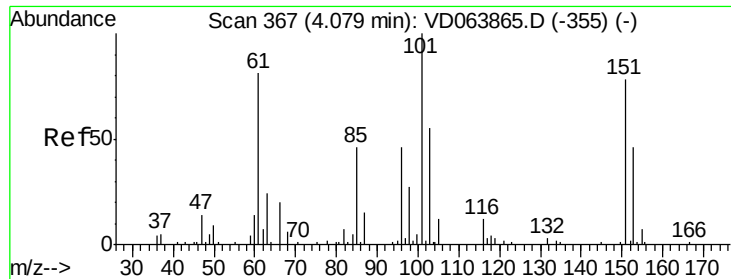


#8

Diethyl Ether
Concen: 23.035 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 74 Resp: 16496
Ion Ratio Lower Upper
74 100
45 96.6 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.059 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

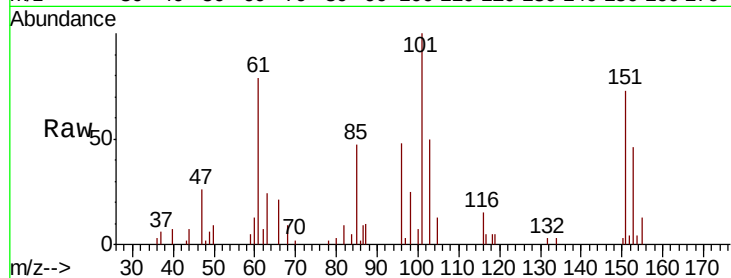
Tot Ion:101 Resp: 28479

Ion Ratio Lower Upper

101 100

85 46.1 37.5 56.3

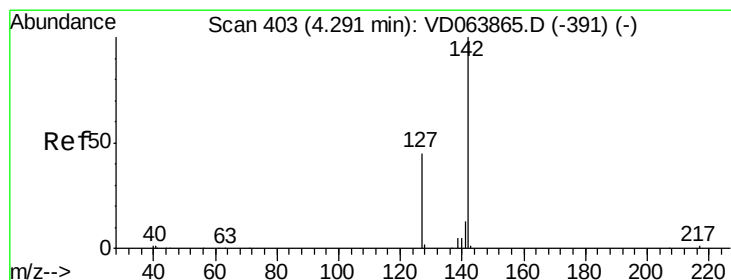
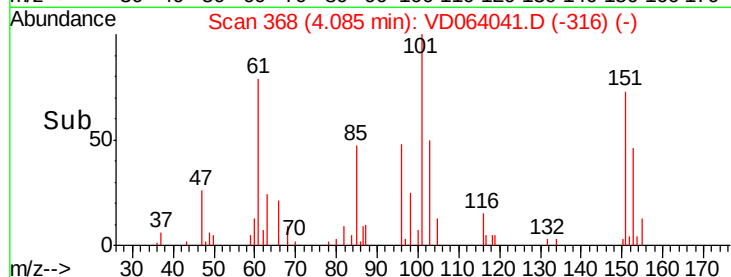
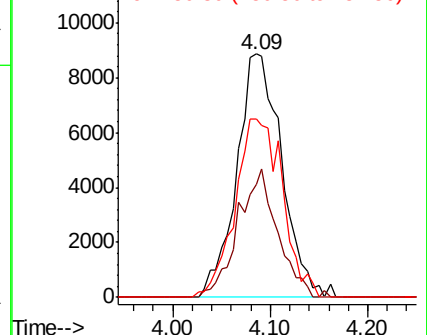
151 77.4 65.5 98.3



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: 17.728 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

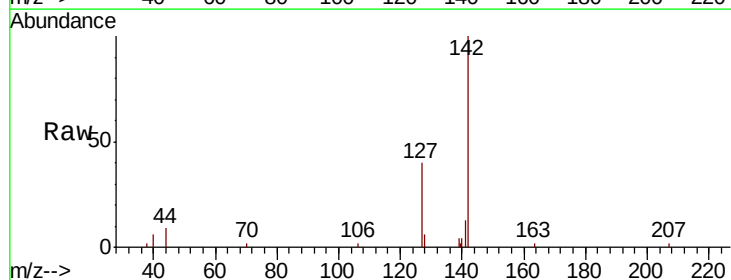
Tgt Ion:142 Resp: 30169

Ion Ratio Lower Upper

142 100

127 44.9 35.3 52.9

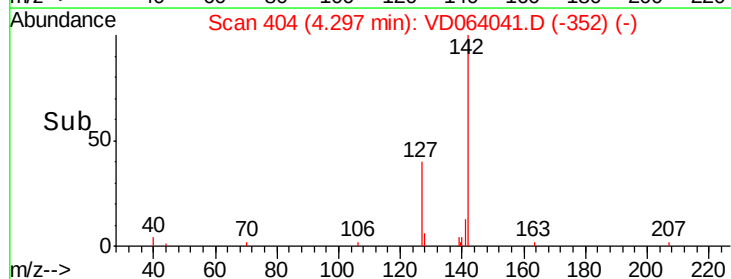
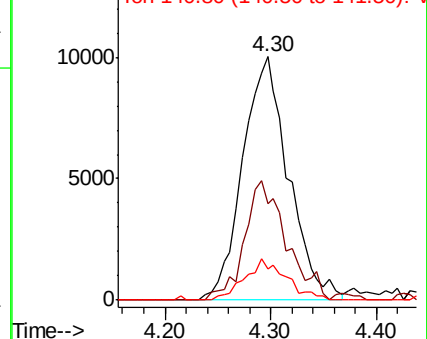
141 15.3 12.2 18.2

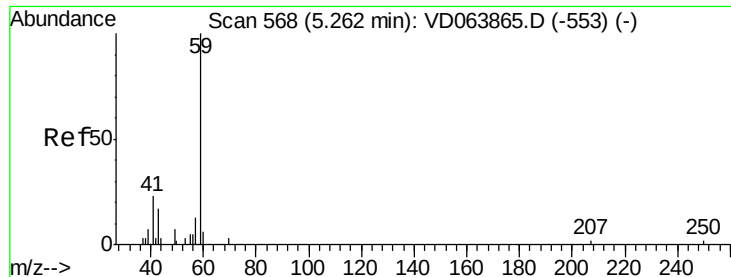


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



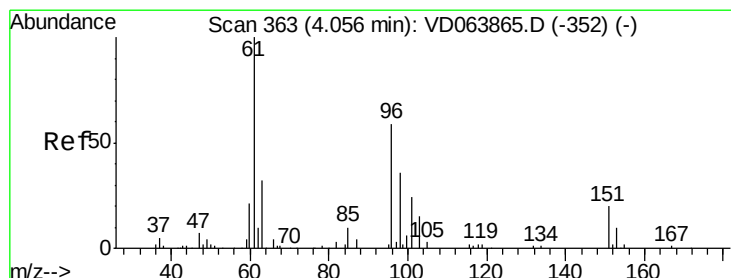
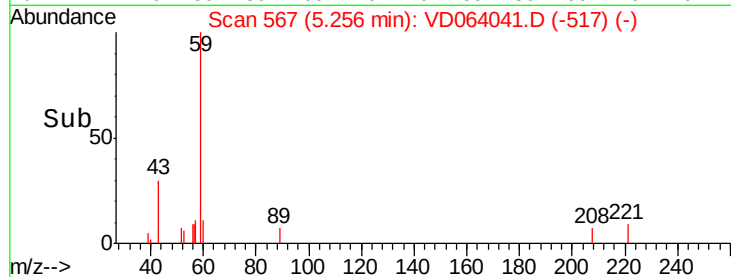
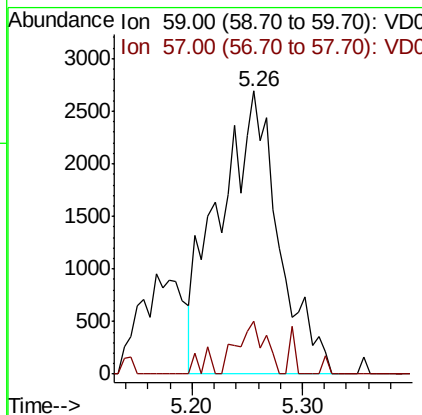
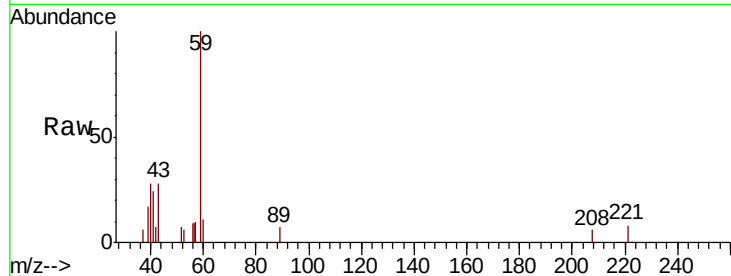


#11

Tert butyl alcohol
 Concen: 96.698 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampled :

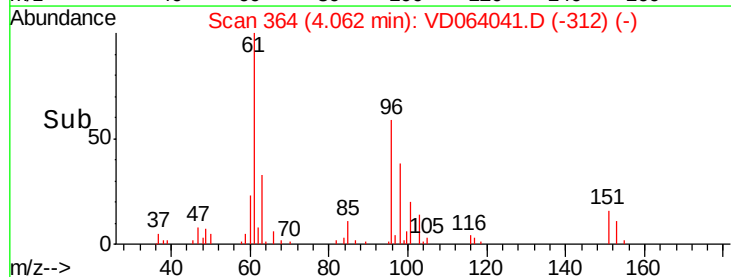
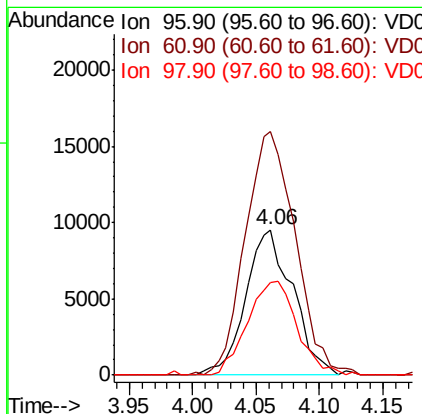
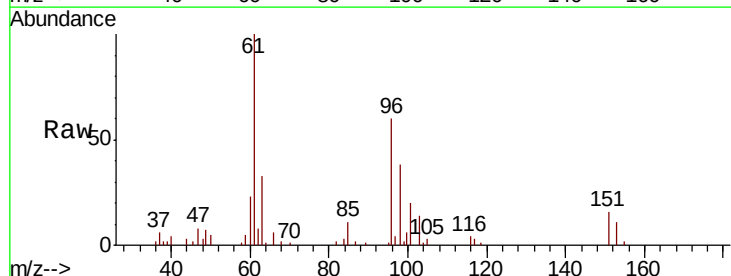
Tot Ion: 59 Resp: 10119
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.8 13.2

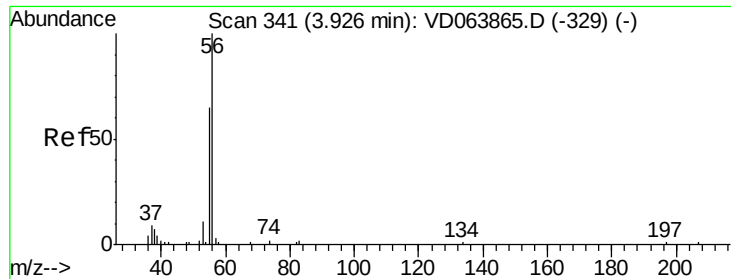


#12

1,1-Dichloroethene
 Concen: 19.803 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 96 Resp: 24435
 Ion Ratio Lower Upper
 96 100
 61 167.4 135.6 203.4
 98 63.2 49.2 73.8





#13

Acrolein

Concen: 72.066 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

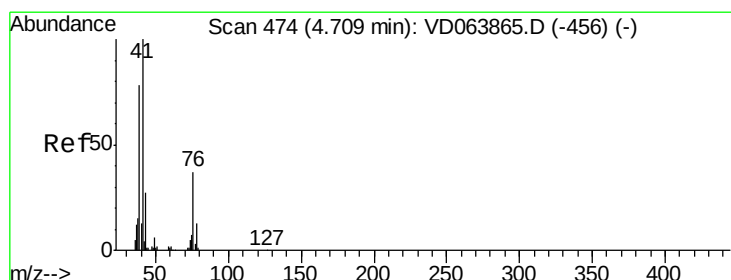
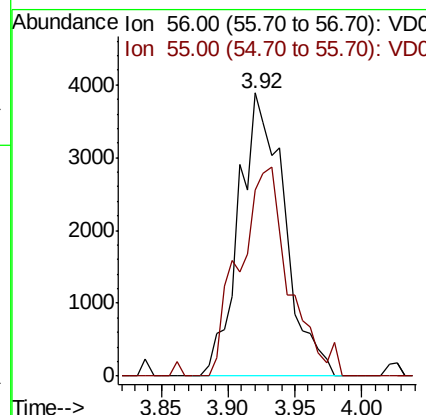
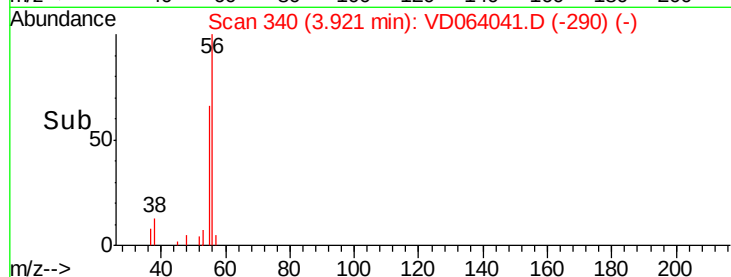
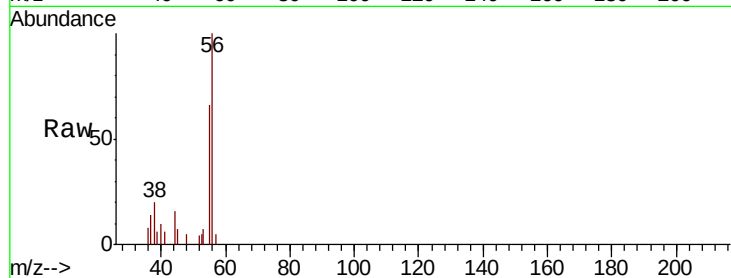
ClientSampled :

Tot Ion: 56 Resp: 9226

Ion Ratio Lower Upper

56 100

55 80.5 53.0 79.6#



#14

Allyl chloride

Concen: 21.685 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

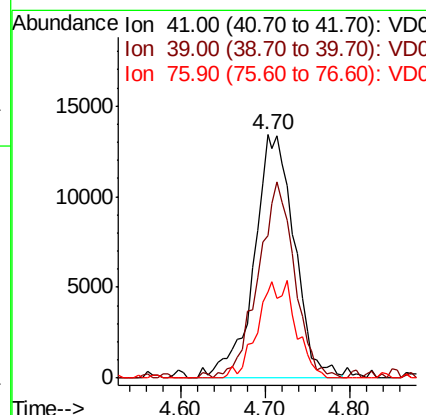
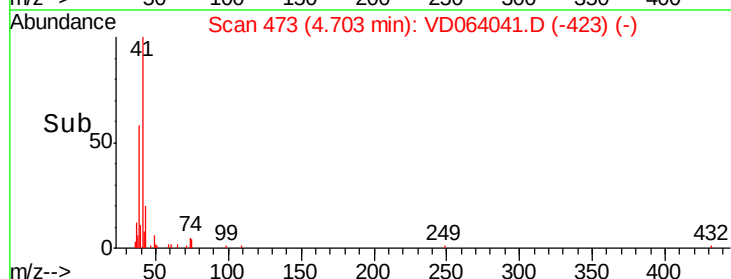
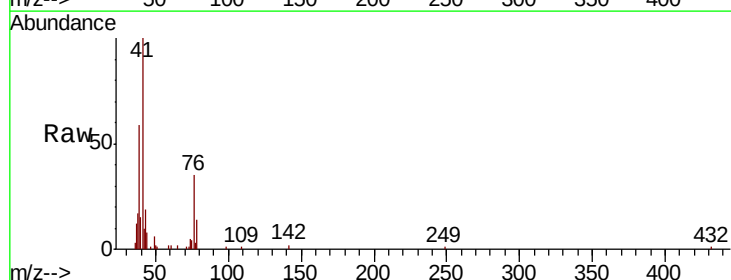
Tgt Ion: 41 Resp: 44486

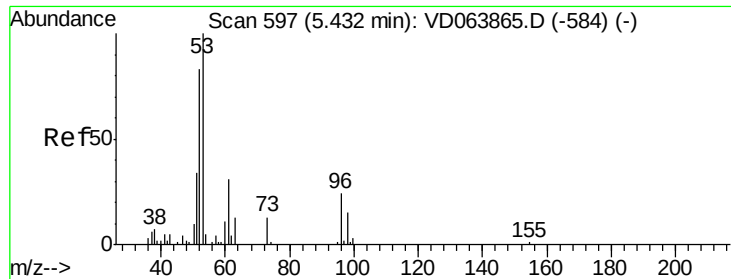
Ion Ratio Lower Upper

41 100

39 0.0 61.8 92.6#

76 0.0 31.3 46.9#





#15

Acrylonitrile

Concen: 112.746 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

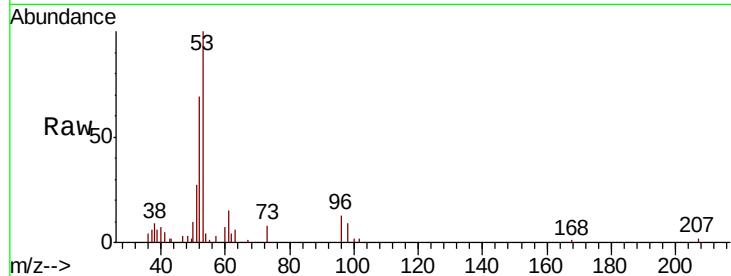
Tot Ion: 53 Resp: 35598

Ion Ratio Lower Upper

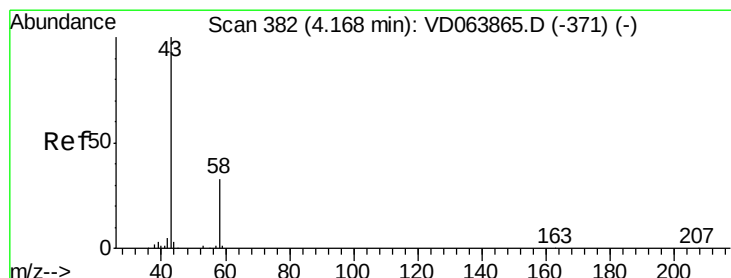
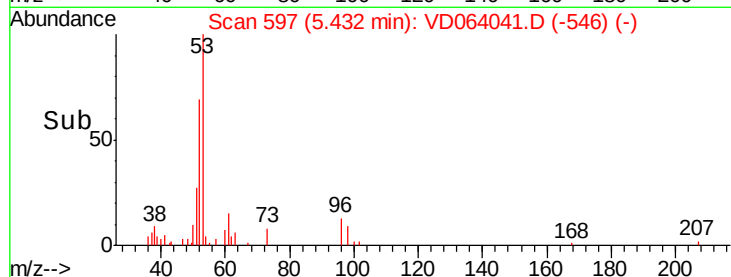
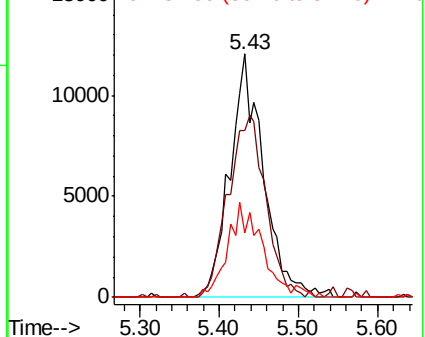
53 100

52 82.6 67.3 100.9

51 37.9 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: 97.848 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064041.D

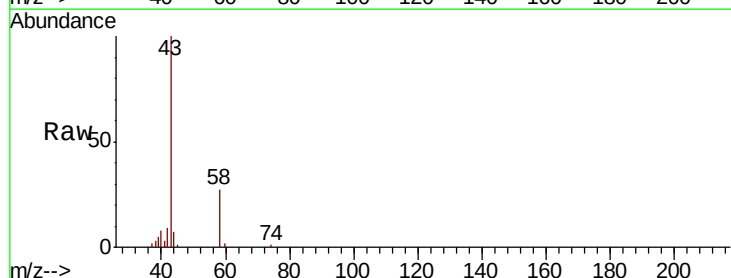
Acq: 24 Oct 2019 12:33

Tgt Ion: 43 Resp: 36516

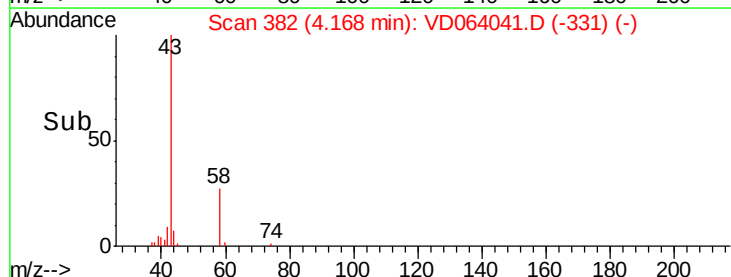
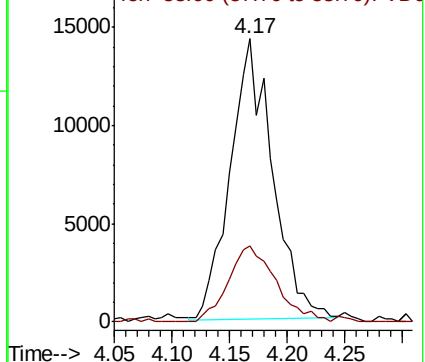
Ion Ratio Lower Upper

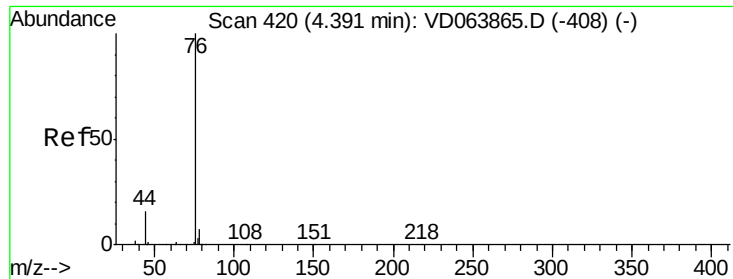
43 100

58 27.3 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: 18.254 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

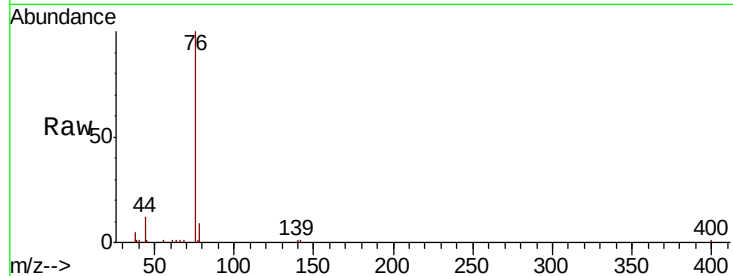
ClientSampleId :

Tot Ion: 76 Resp: 81876

Ion Ratio Lower Upper

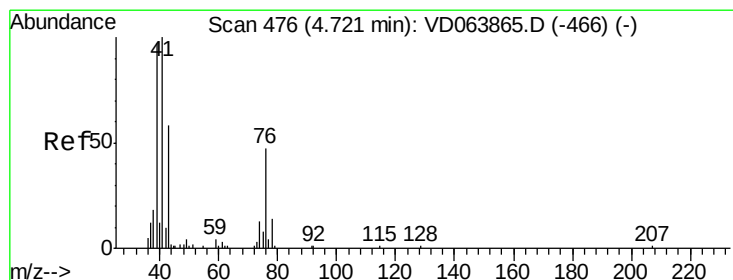
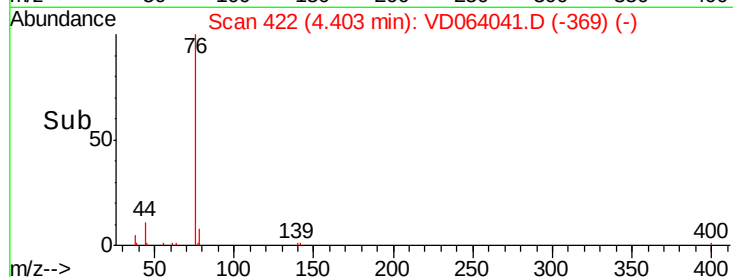
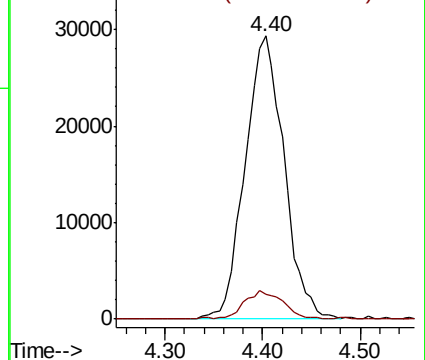
76 100

78 8.9 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: 24.564 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064041.D

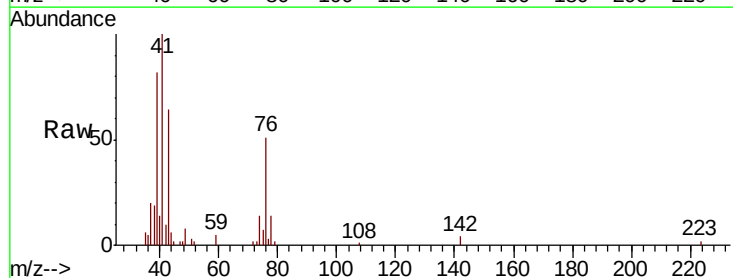
Acq: 24 Oct 2019 12:33

Tgt Ion: 43 Resp: 17930

Ion Ratio Lower Upper

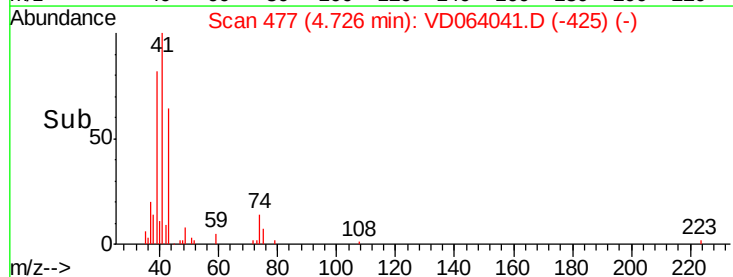
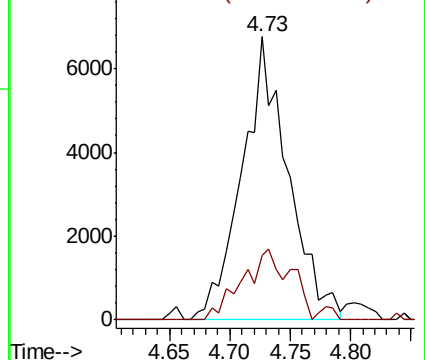
43 100

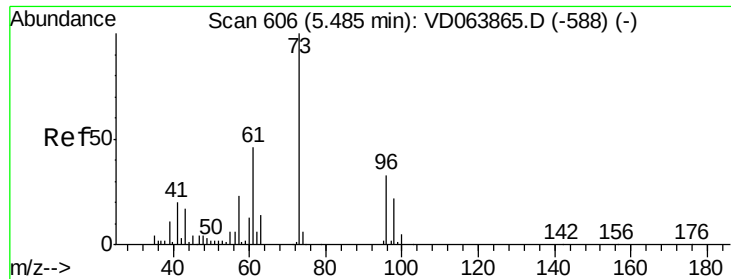
74 20.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



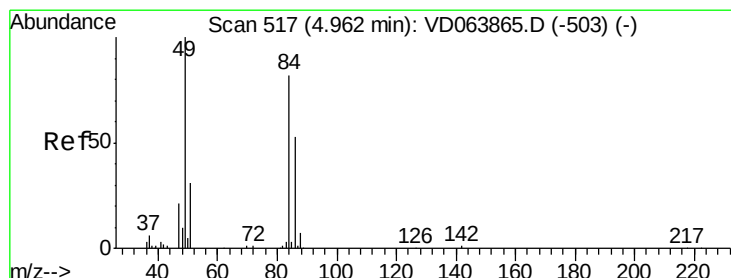
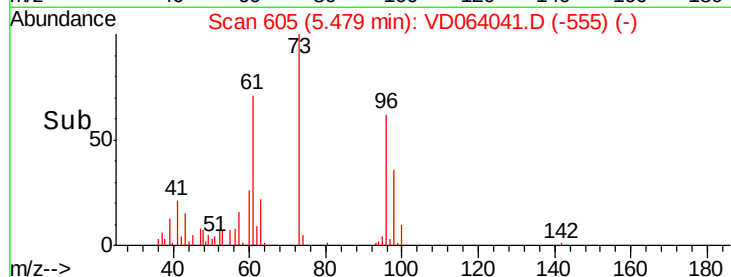
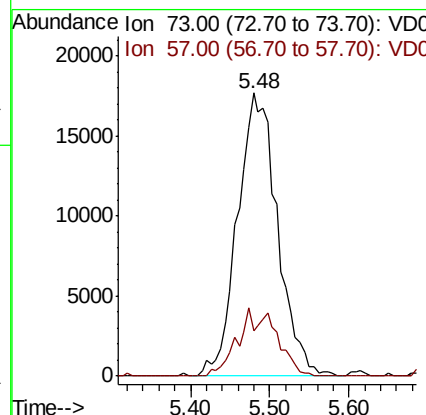
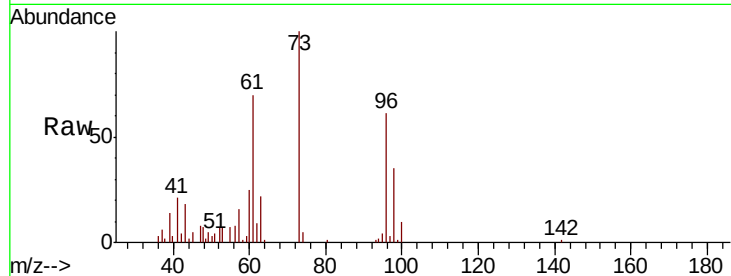


#19

Methyl tert-butyl Ether
 Concen: 19.340 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleID :

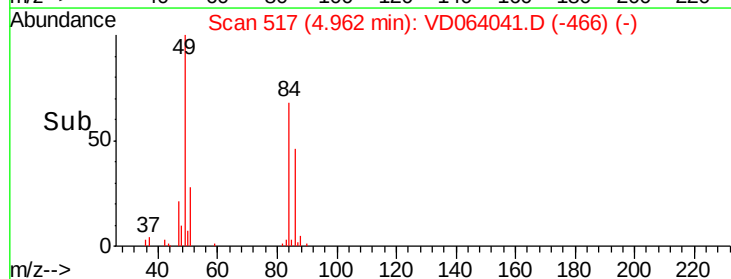
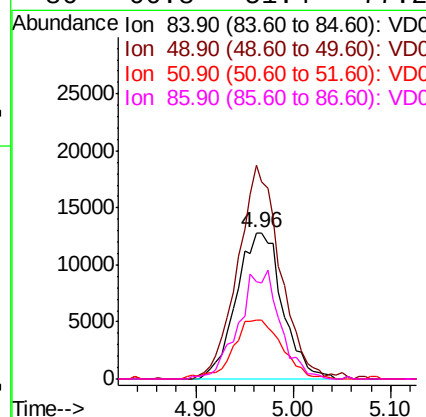
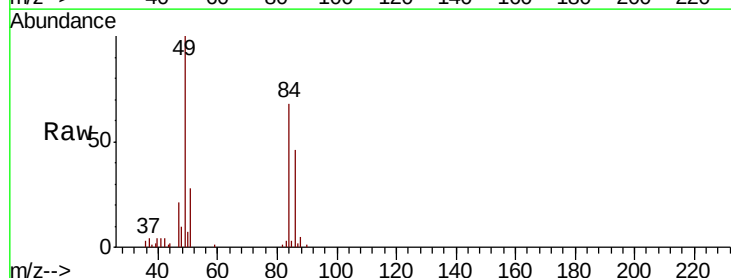
Tot Ion: 73 Resp: 61796
 Ion Ratio Lower Upper
 73 100
 57 16.1 18.1 27.1#

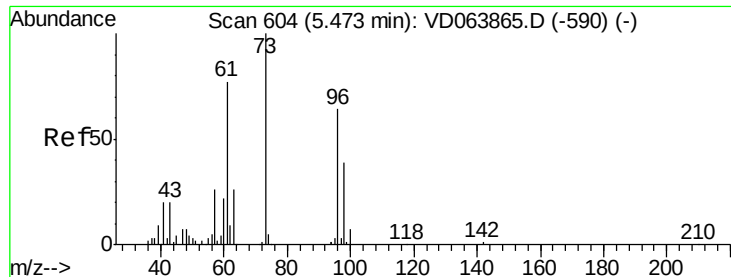


#20

Methylene Chloride
 Concen: 24.022 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 84 Resp: 42368
 Ion Ratio Lower Upper
 84 100
 49 146.3 97.3 145.9#
 51 40.7 30.1 45.1
 86 66.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.429 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampled :

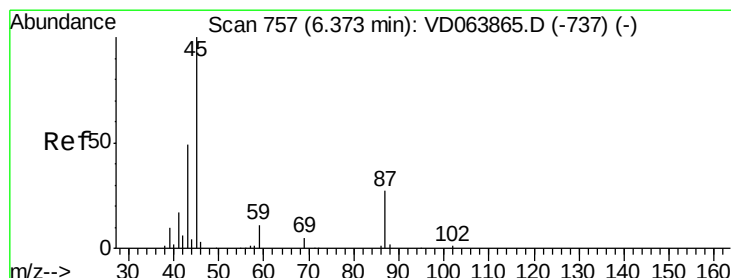
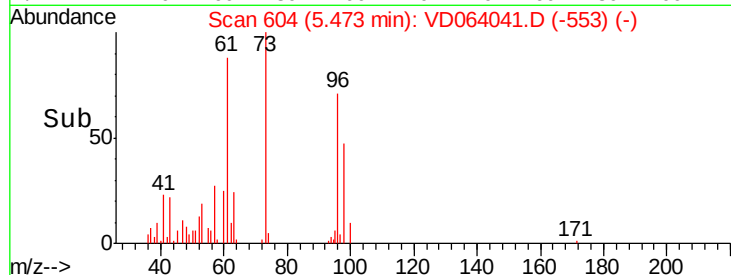
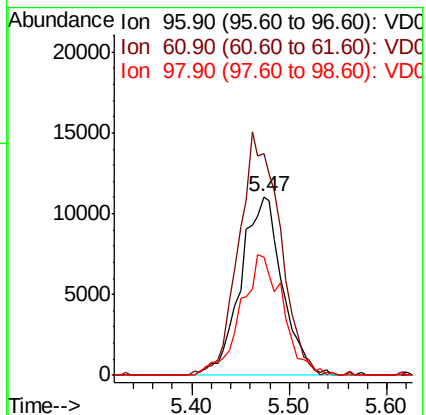
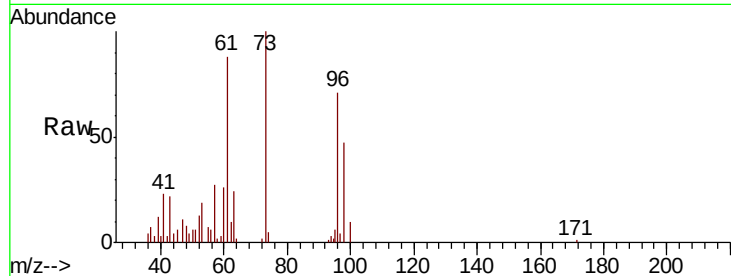
Tot Ion: 96 Resp: 32916

Ion Ratio Lower Upper

96 100

61 123.7 96.6 145.0

98 66.3 48.7 73.1



#22

Diisopropyl ether

Concen: 21.727 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion: 45 Resp: 91030

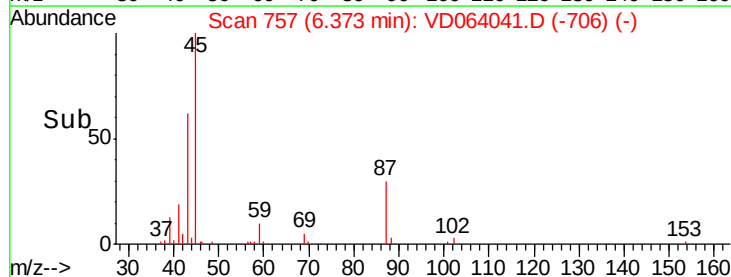
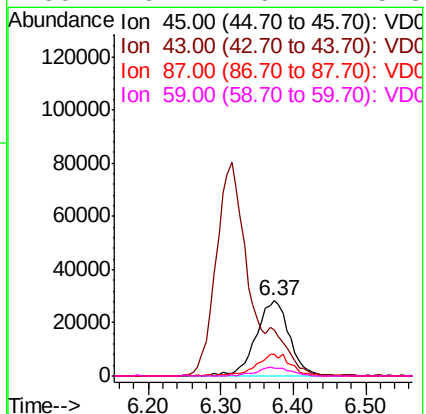
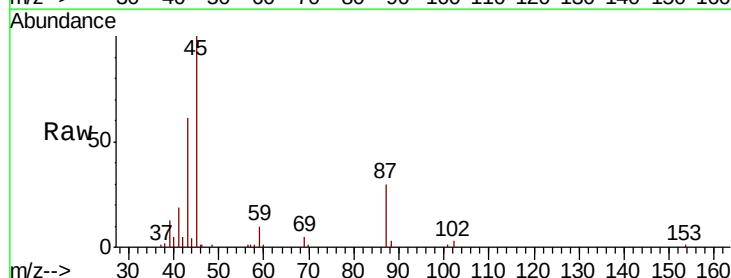
Ion Ratio Lower Upper

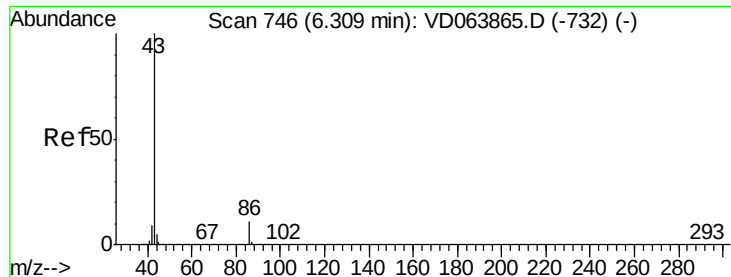
45 100

43 61.3 41.2 61.8

87 28.6 22.2 33.4

59 10.1 9.2 13.8





#23

Vinyl Acetate

Concen: 93.857 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

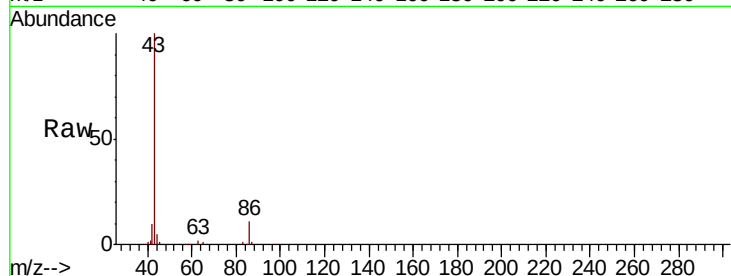
ClientSampled :

Tot Ion: 43 Resp: 233930

Ion Ratio Lower Upper

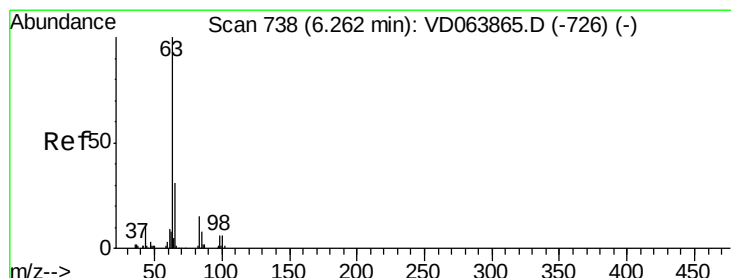
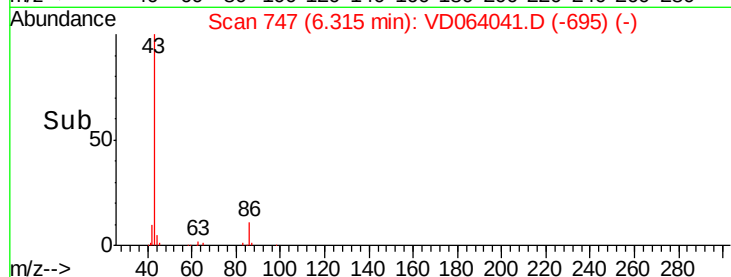
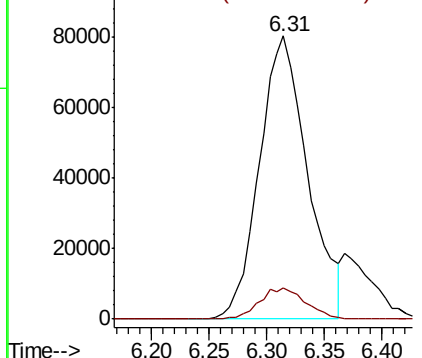
43 100

86 10.9 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: 22.667 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

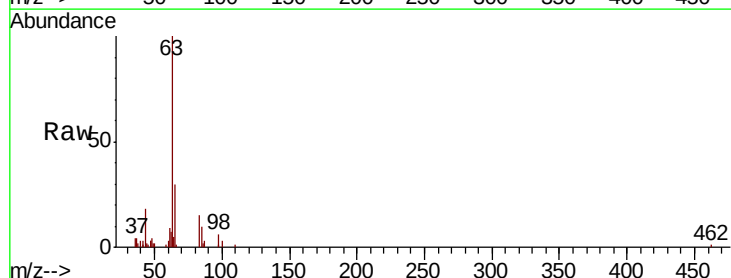
Tgt Ion: 63 Resp: 58497

Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.4

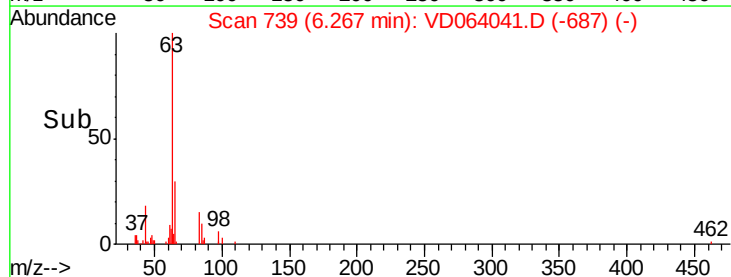
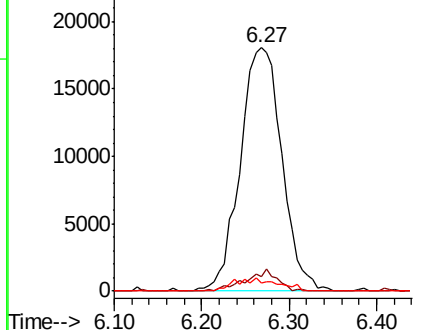
100 3.2 3.0 9.2

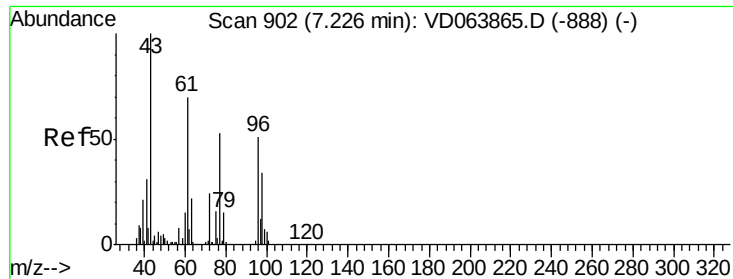


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 108.648 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

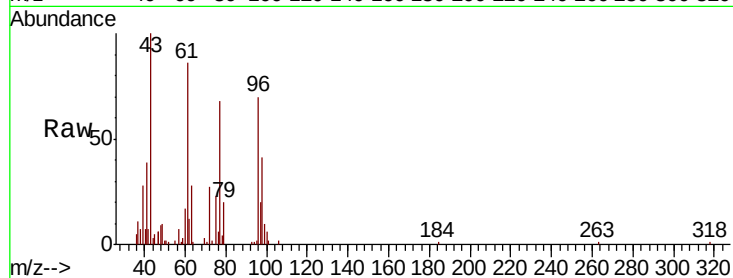
ClientSampled :

Tot Ion: 43 Resp: 48052

Ion Ratio Lower Upper

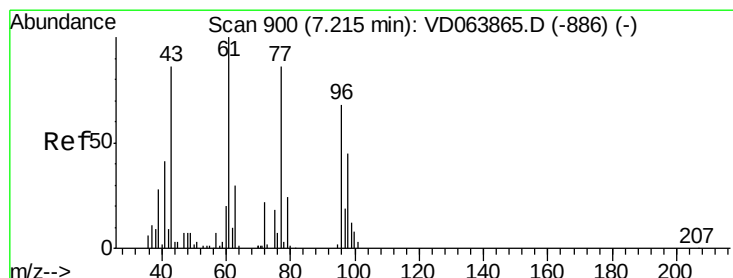
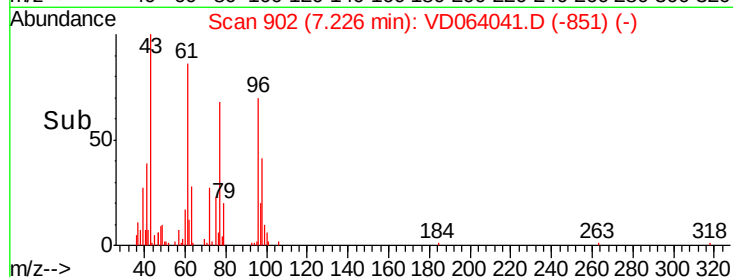
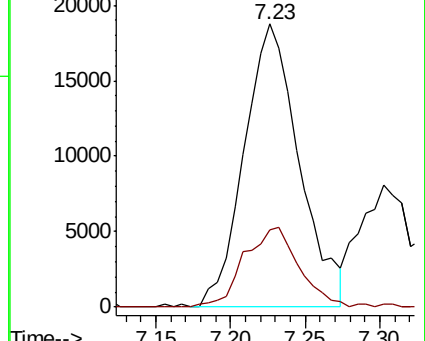
43 100

72 27.4 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: 20.526 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064041.D

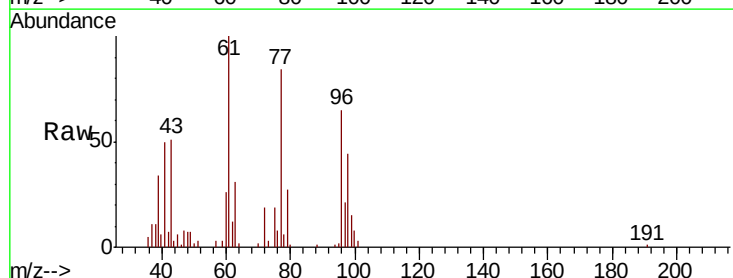
Acq: 24 Oct 2019 12:33

Tgt Ion: 77 Resp: 47917

Ion Ratio Lower Upper

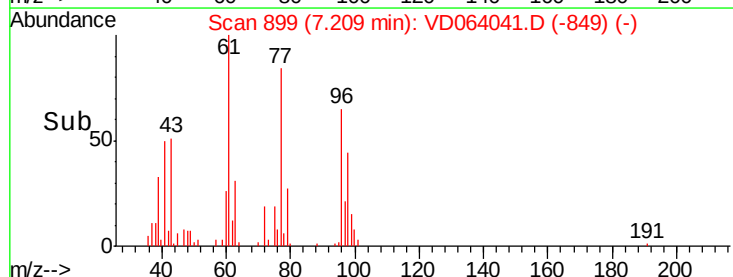
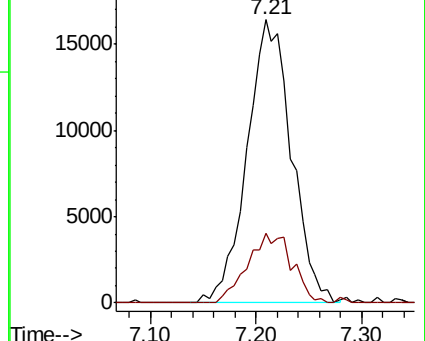
77 100

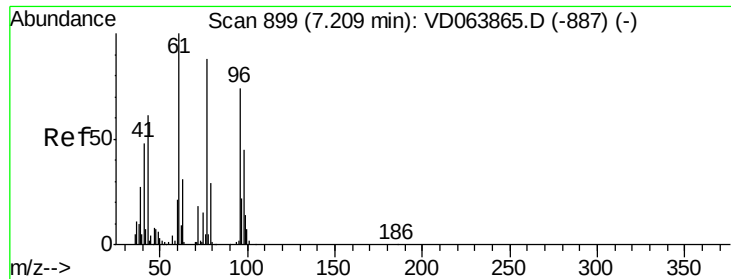
97 24.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

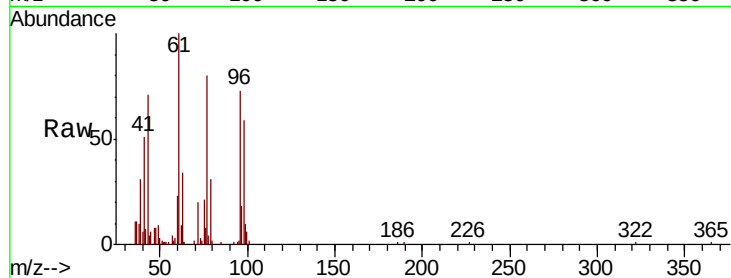




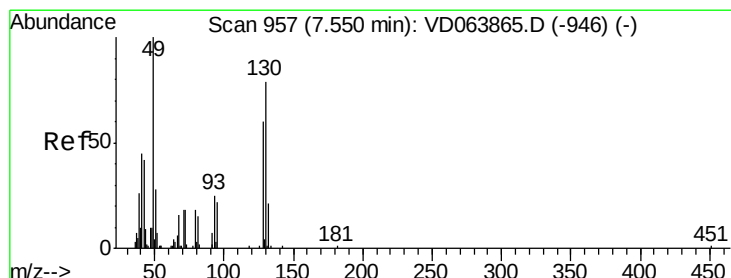
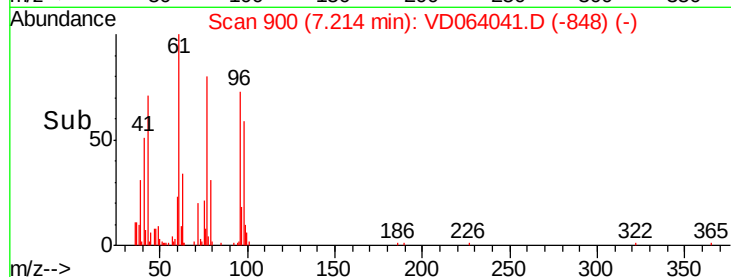
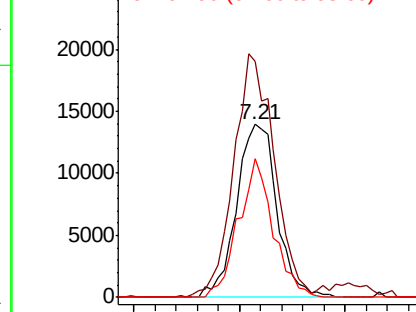
#27
 cis-1,2-Dichloroethene
 Concen: 21.340 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 37103
 Ion Ratio Lower Upper
 96 100
 61 140.5 0.0 280.0
 98 68.2 0.0 130.4

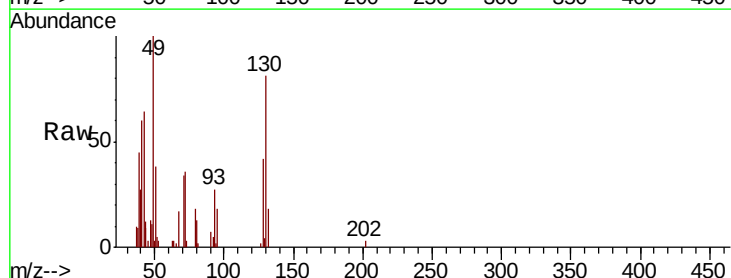


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC

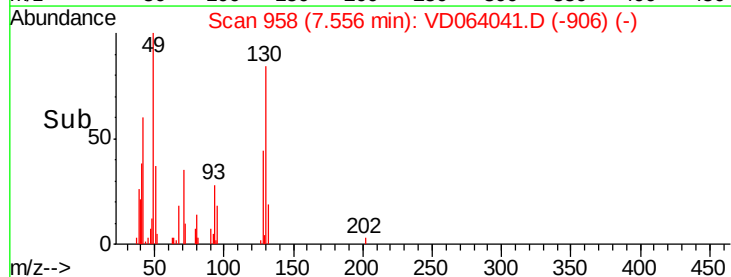
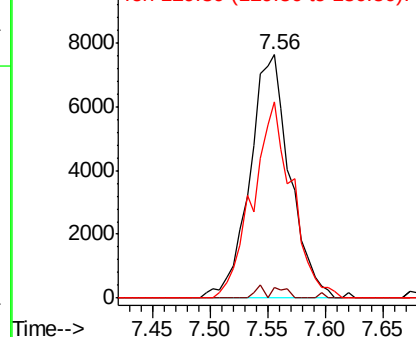


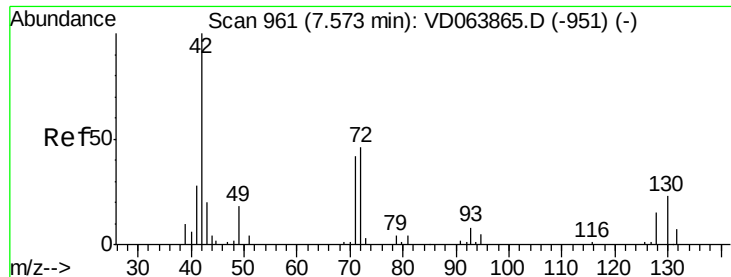
#28
 Bromochloromethane
 Concen: 19.973 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 49 Resp: 18456
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 5.6
 130 79.2 66.8 100.2



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

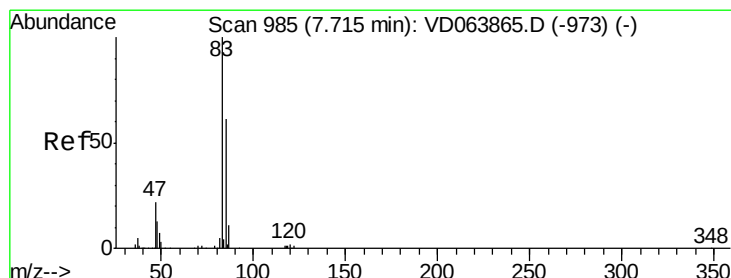
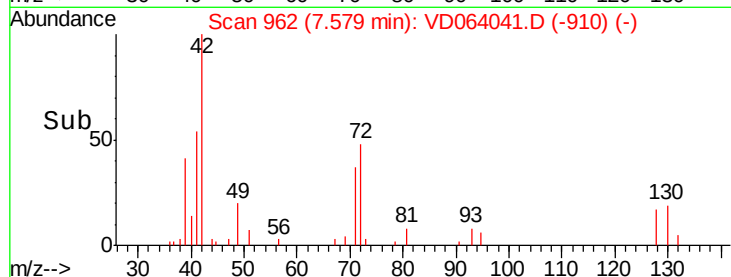
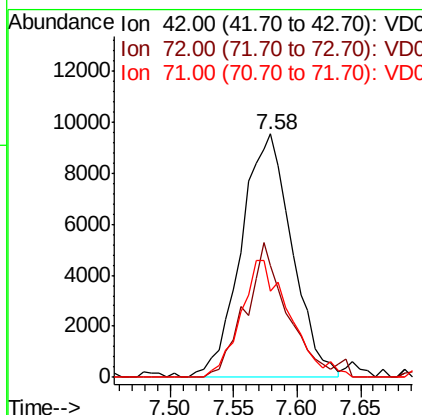
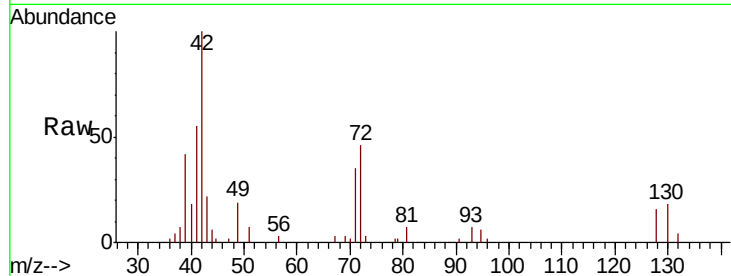




#29
Tetrahydrofuran
Concen: 103.209 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

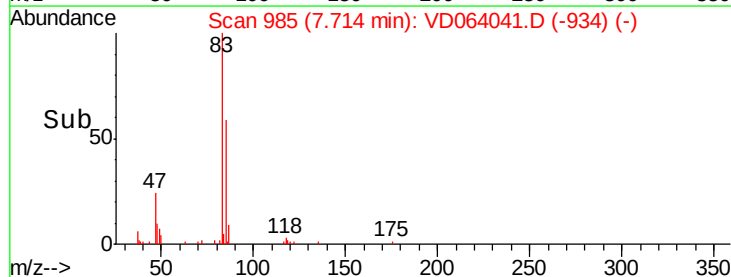
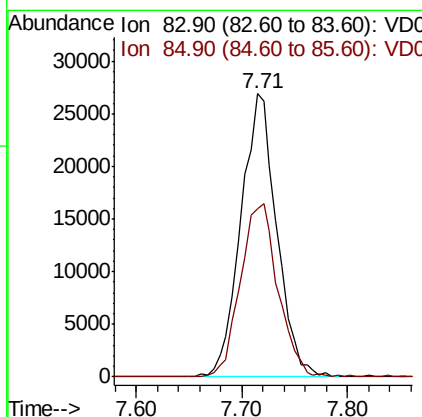
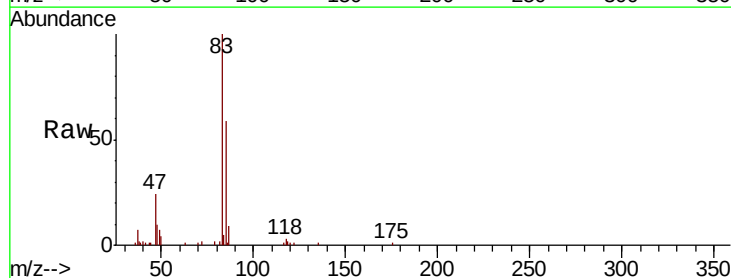
Instrument :
MSVOA_D
ClientSampled :

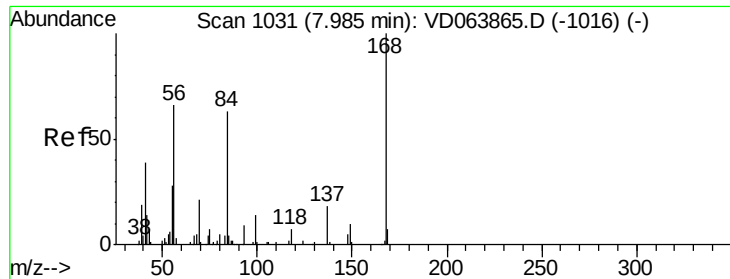
Tot Ion: 42 Resp: 26643
Ion Ratio Lower Upper
42 100
72 45.3 37.6 56.4
71 46.4 35.0 52.6



#30
Chloroform
Concen: 22.581 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 83 Resp: 63293
Ion Ratio Lower Upper
83 100
85 59.4 48.9 73.3

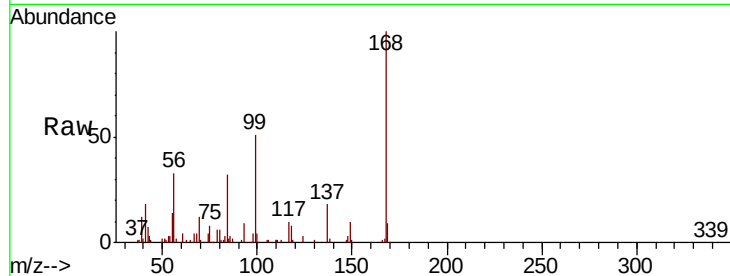




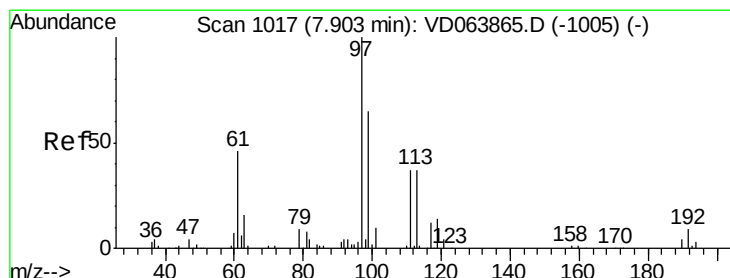
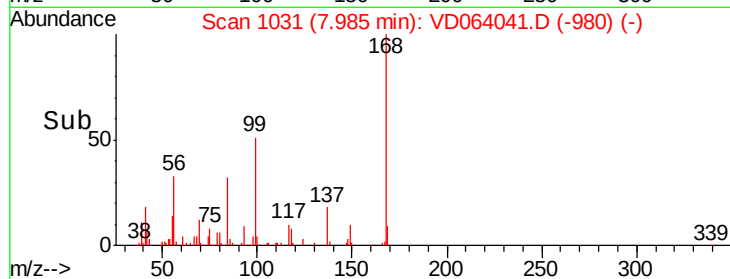
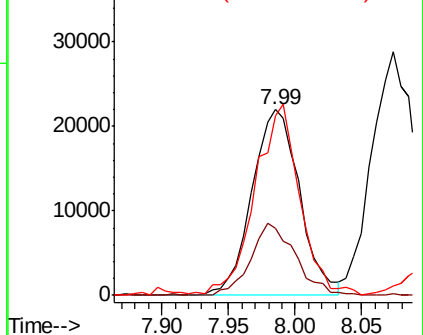
#31
Cyclohexane
Concen: 23.407 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 54472
Ion Ratio Lower Upper
56 100
69 35.9 25.0 37.4
84 96.3 76.3 114.5

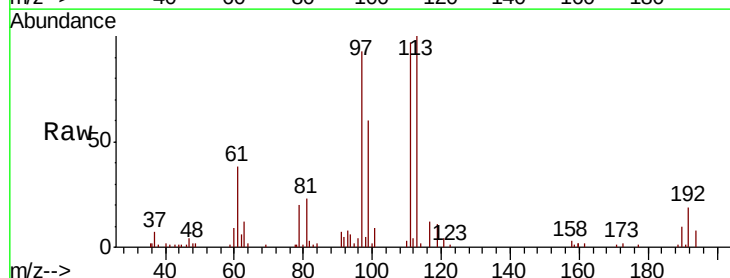


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

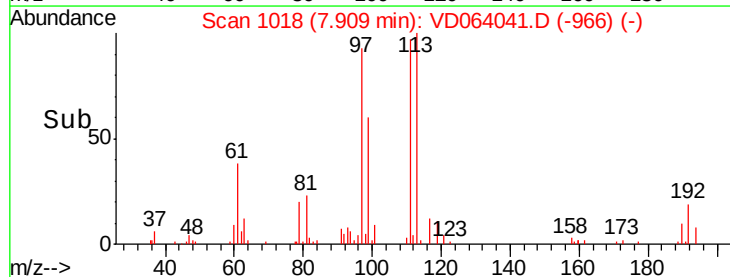
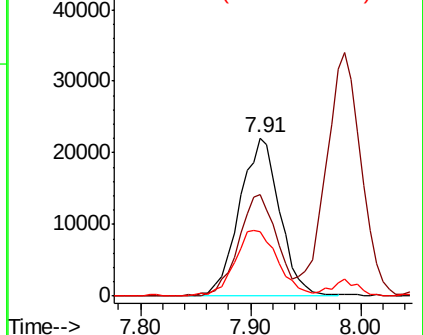


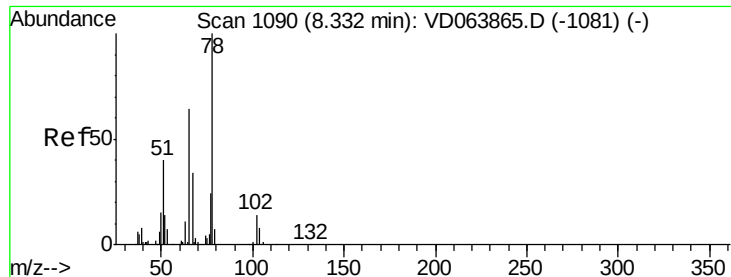
#32
1,1,1-Trichloroethane
Concen: 23.479 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 97 Resp: 56452
Ion Ratio Lower Upper
97 100
99 60.5 52.4 78.6
61 44.1 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: 52.212 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

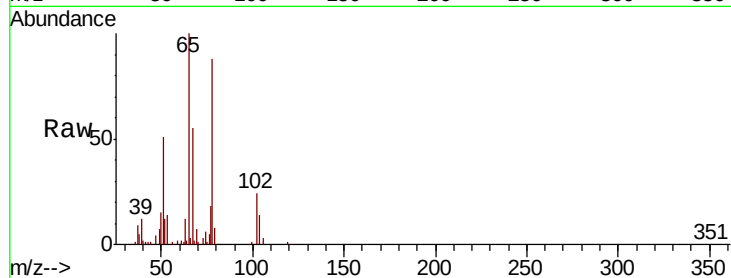
ClientSampleId :

Tot Ion: 65 Resp: 74840

Ion Ratio Lower Upper

65 100

67 55.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.34

40000

30000

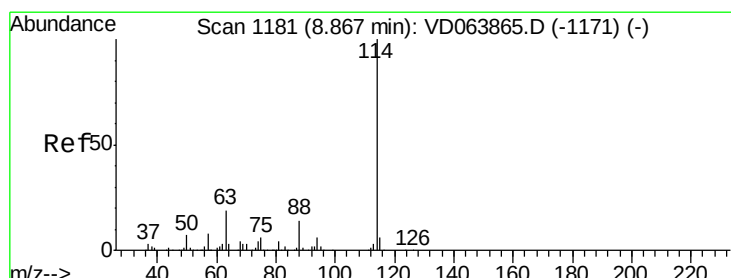
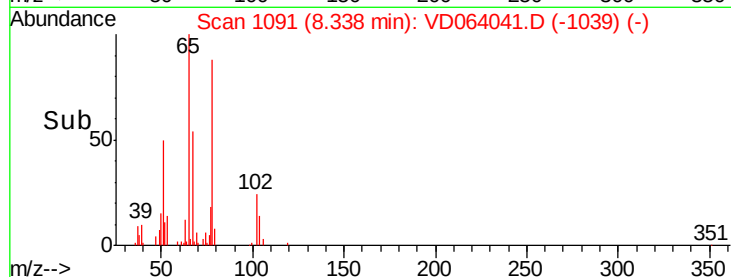
20000

10000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

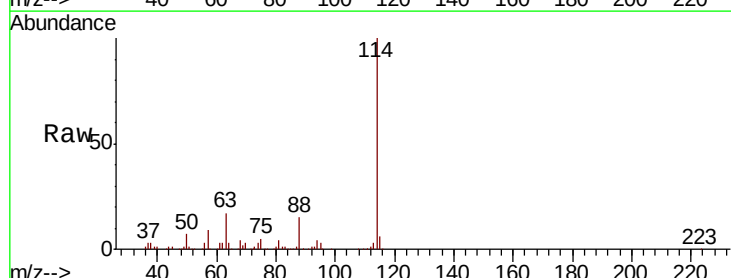
Tgt Ion: 114 Resp: 229286

Ion Ratio Lower Upper

114 100

63 16.9 0.0 38.4

88 14.9 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

150000

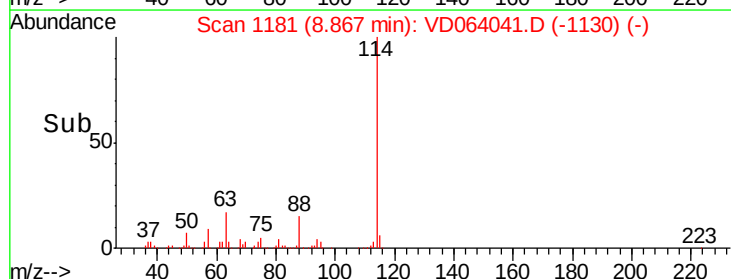
100000

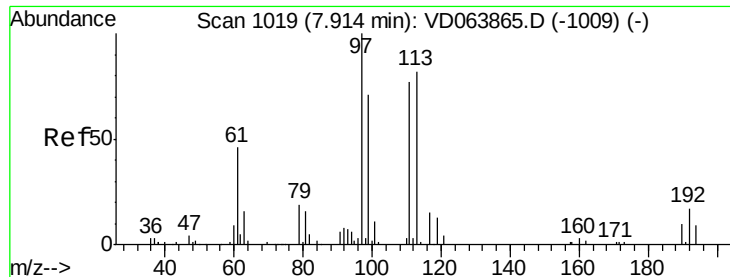
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

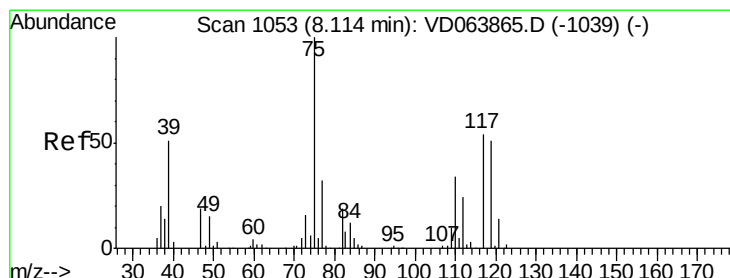
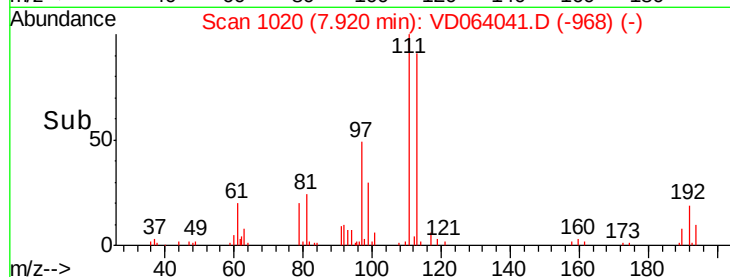
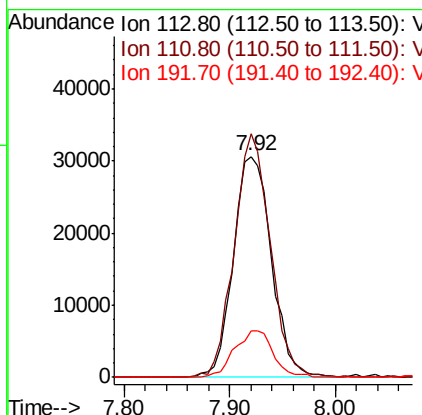
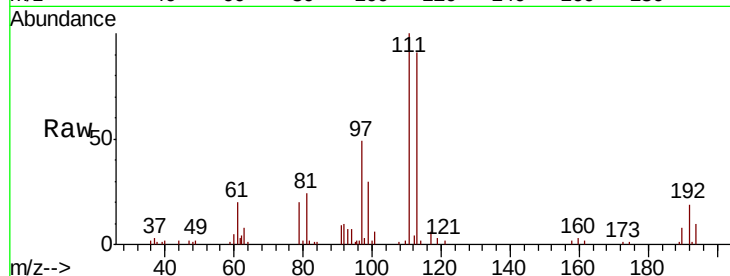




#35
 Dibromofluoromethane
 Concen: 54.689 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

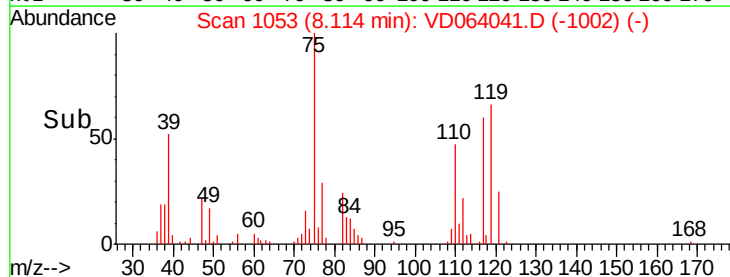
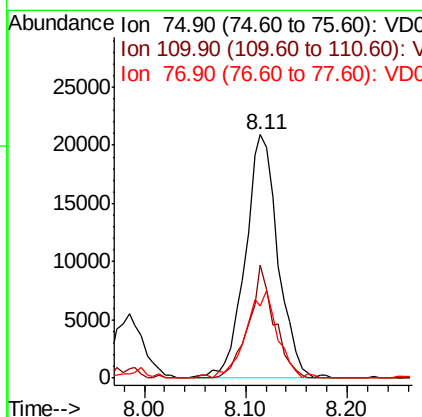
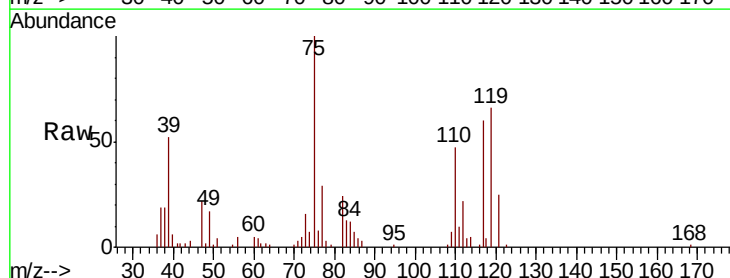
Instrument :
 MSVOA_D
 ClientSampleId :

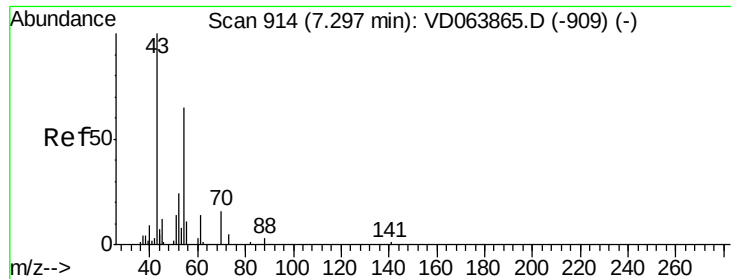
Tot Ion:113 Resp: 76632
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.6 123.8
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 22.399 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion: 75 Resp: 46957
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.4 52.3
 77 34.6 25.4 38.0

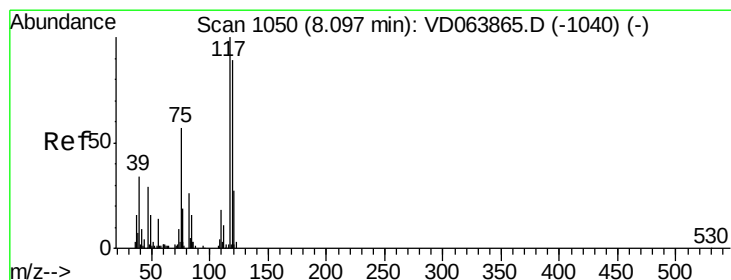
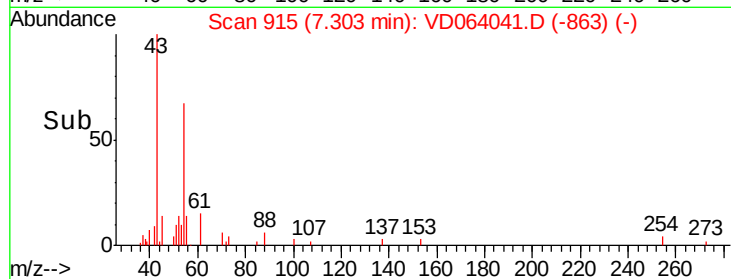
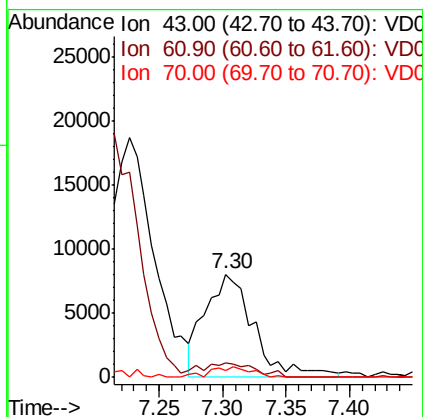
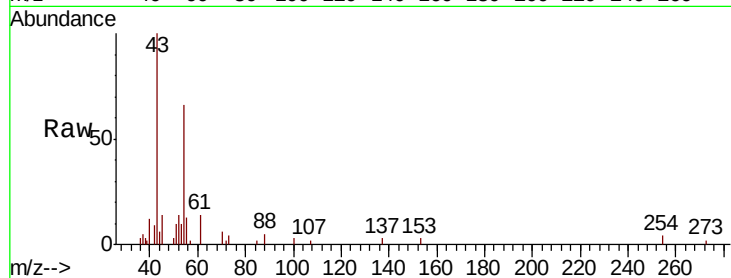




#37
Ethyl Acetate
Concen: 23.434 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

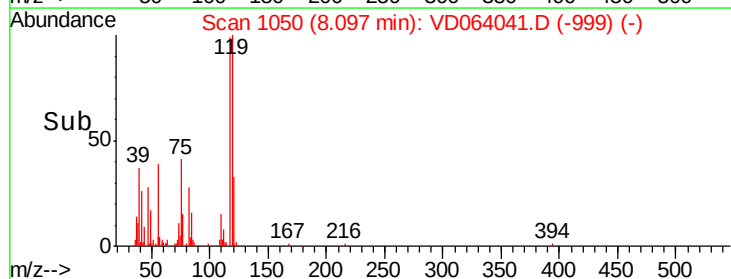
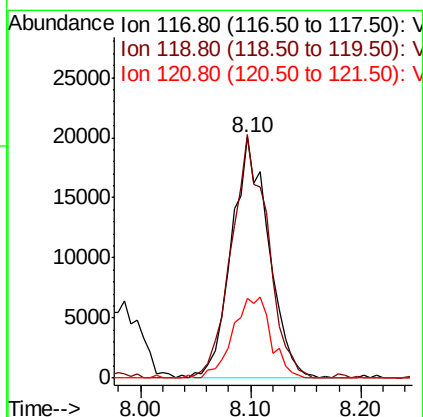
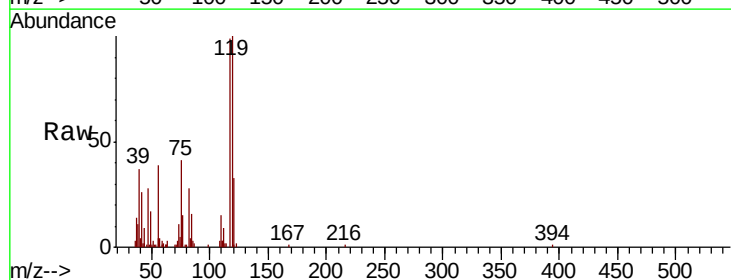
Instrument :
MSVOA_D
ClientSampleId :

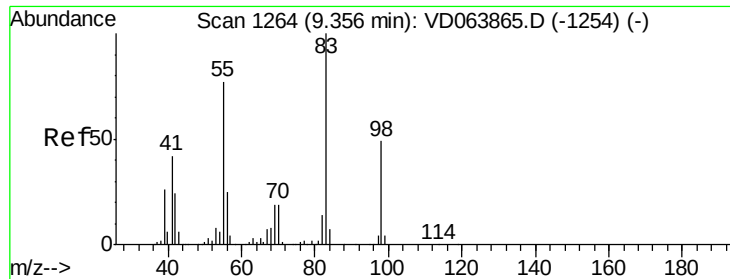
Tot Ion: 43 Resp: 21481
Ion Ratio Lower Upper
43 100
61 16.1 11.5 17.3
70 4.1 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 22.356 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 117 Resp: 47362
Ion Ratio Lower Upper
117 100
119 101.0 70.8 106.2
121 32.9 21.4 32.0#

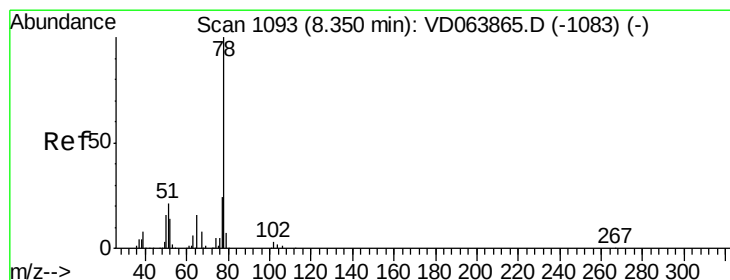
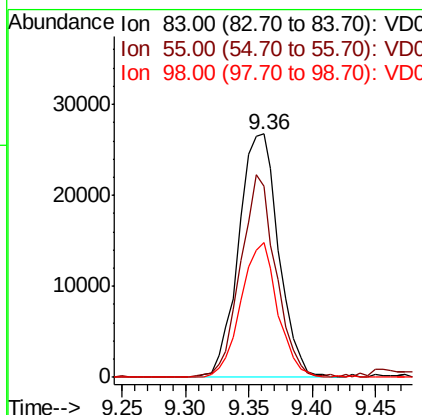
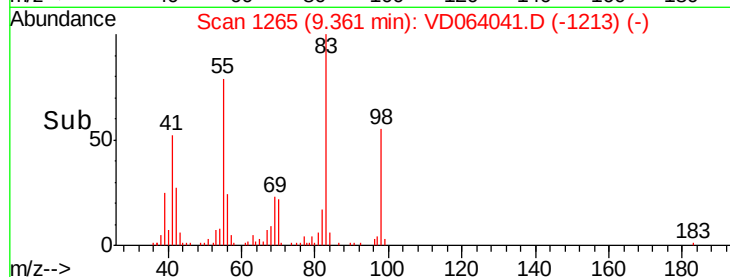
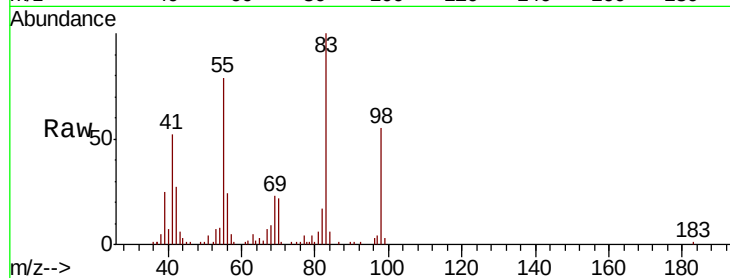




#39
Methylvlcyclohexane
Concen: 22.735 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

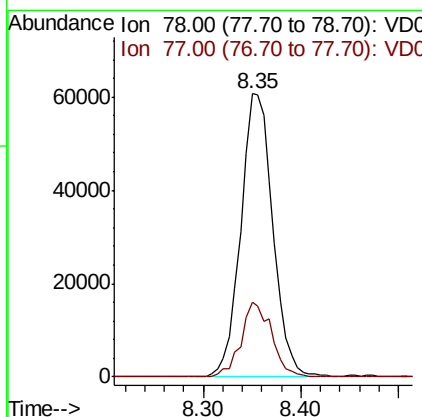
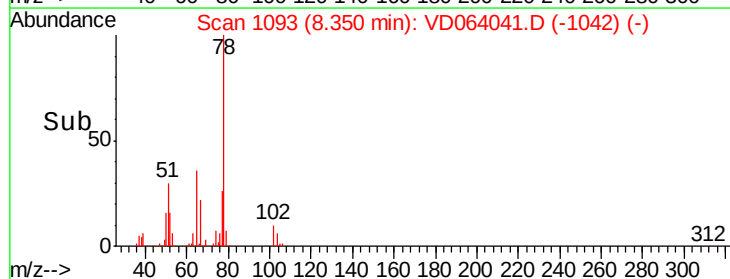
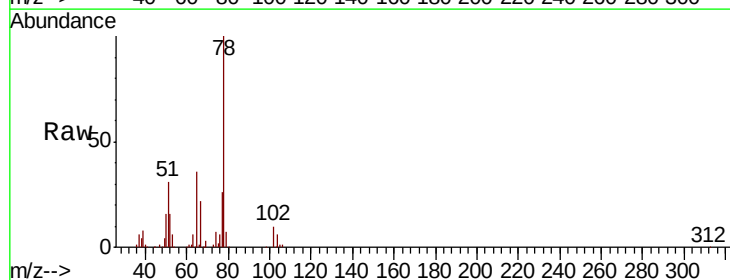
Instrument :
MSVOA_D
ClientSampleId :

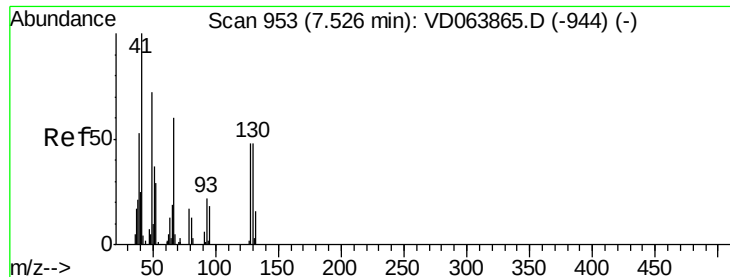
Tot Ion: 83 Resp: 58603
Ion Ratio Lower Upper
83 100
55 78.5 61.3 91.9
98 55.2 39.3 58.9



#40
Benzene
Concen: 23.202 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 78 Resp: 139392
Ion Ratio Lower Upper
78 100
77 26.3 19.0 28.6

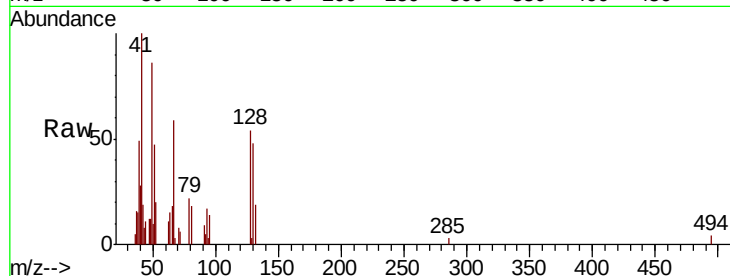




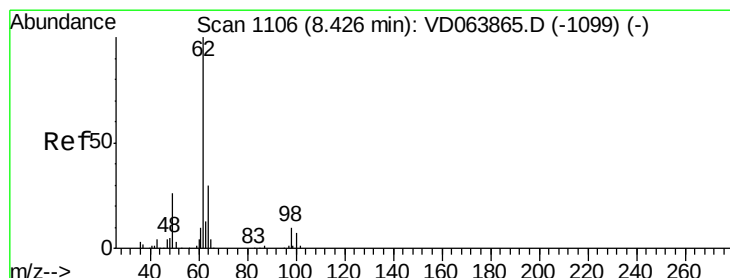
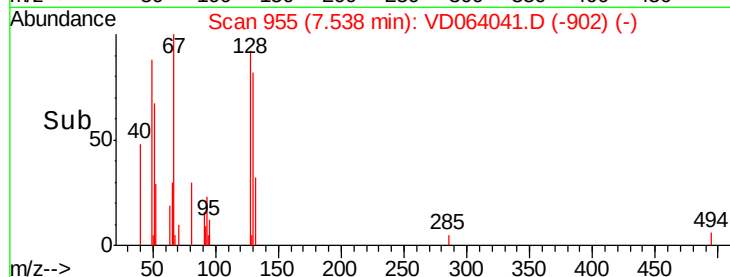
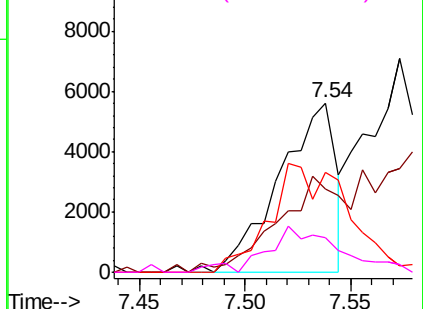
#41
Methacrylonitrile
Concen: 21.568 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 10483
Ion Ratio Lower Upper
41 100
39 67.2 52.6 78.8
67 87.6 74.2 111.2
52 34.6 34.0 51.0

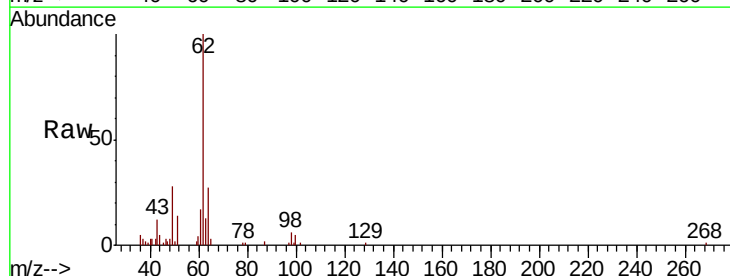


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

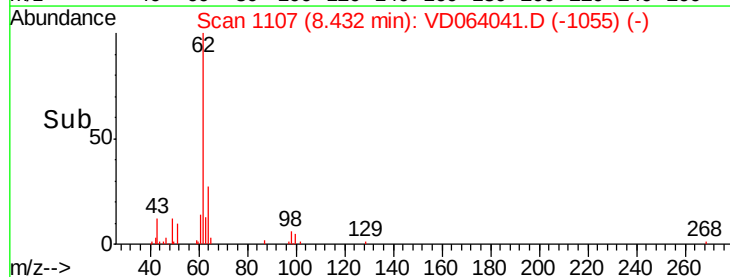
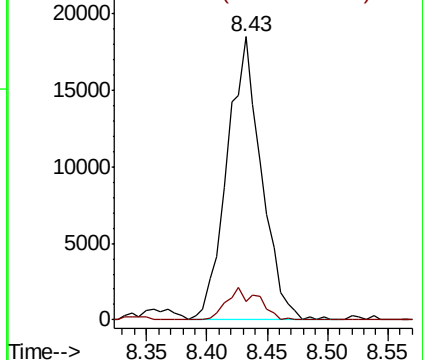


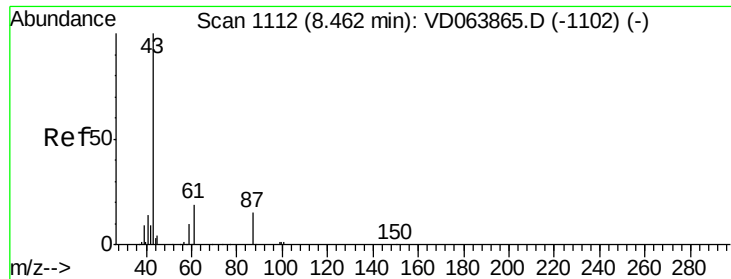
#42
1,2-Dichloroethane
Concen: 21.071 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 62 Resp: 36618
Ion Ratio Lower Upper
62 100
98 10.4 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: 20.498 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

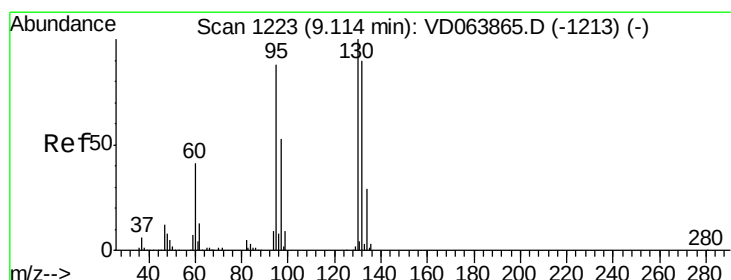
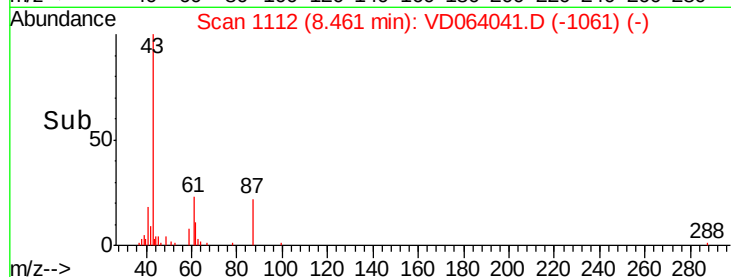
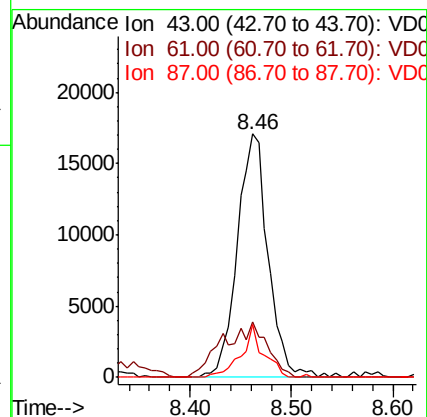
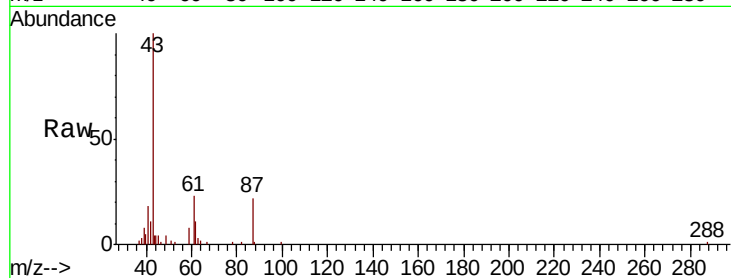
Tot Ion: 43 Resp: 36038

Ion Ratio Lower Upper

43 100

61 19.2 25.7 38.5#

87 15.3 11.6 17.4



#44

Trichloroethene

Concen: 22.431 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064041.D

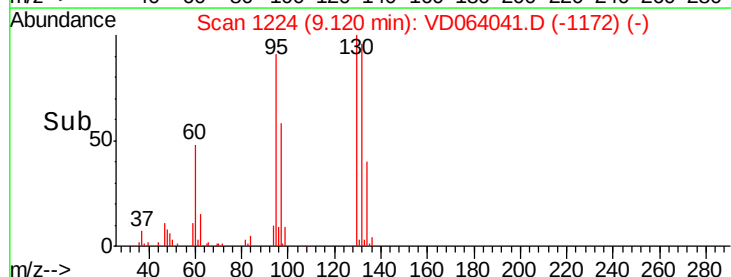
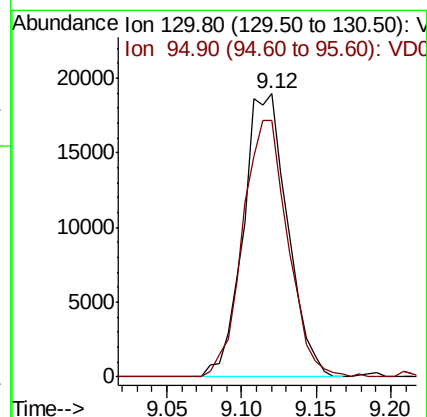
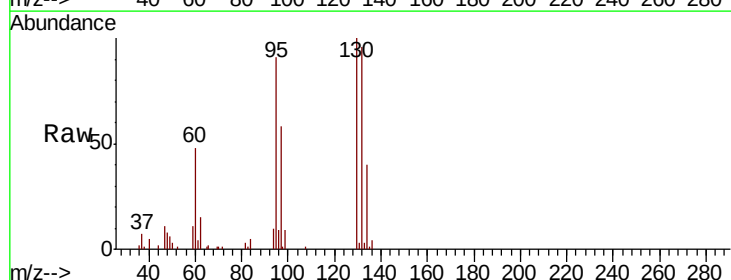
Acq: 24 Oct 2019 12:33

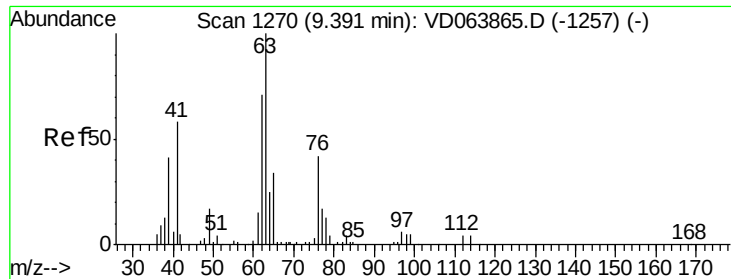
Tgt Ion:130 Resp: 38859

Ion Ratio Lower Upper

130 100

95 90.7 0.0 175.6





#45

1,2-Dichloropropane

Concen: 23.349 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

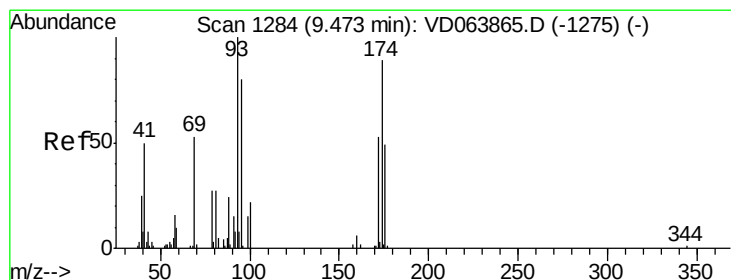
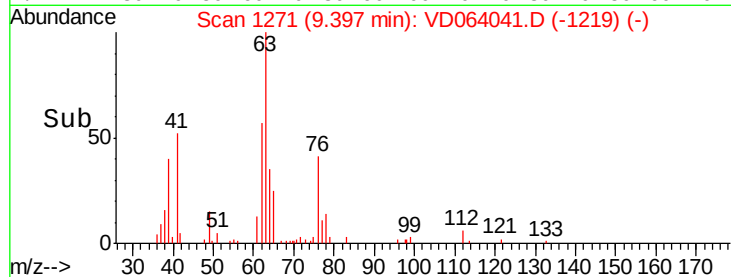
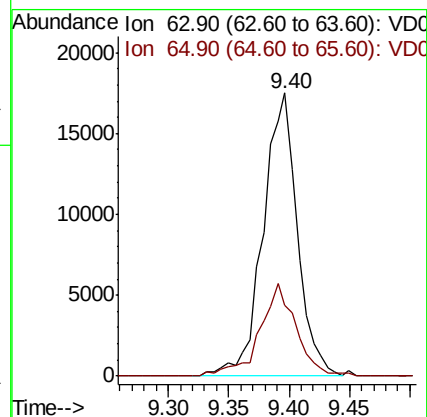
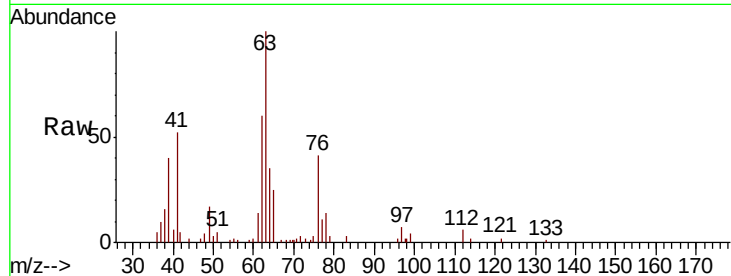
ClientSampleId :

Tot Ion: 63 Resp: 34334

Ion Ratio Lower Upper

63 100

65 25.0 27.3 40.9#



#46

Dibromomethane

Concen: 22.968 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

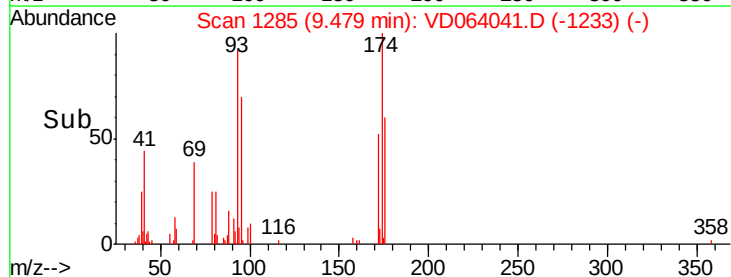
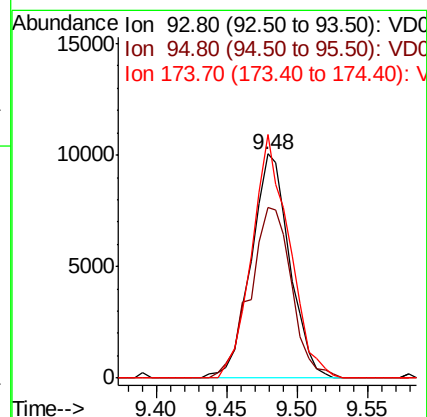
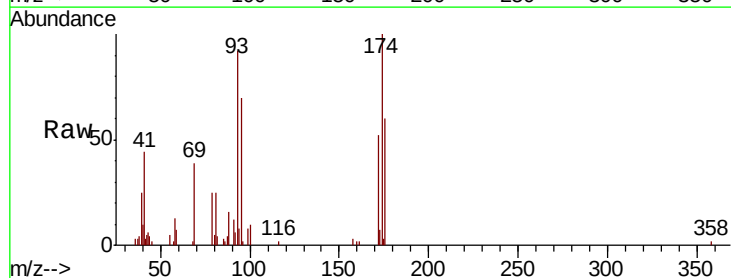
Tgt Ion: 93 Resp: 19235

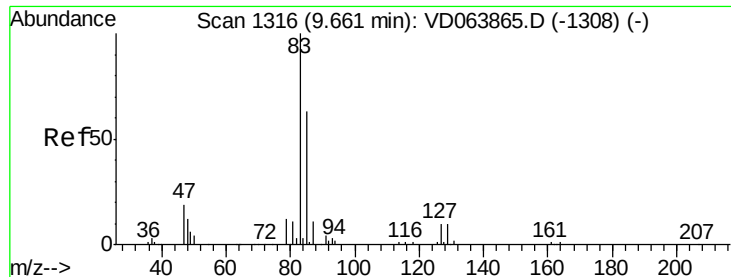
Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

174 105.3 83.4 125.0





#47

Bromodichloromethane

Concen: 21.272 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

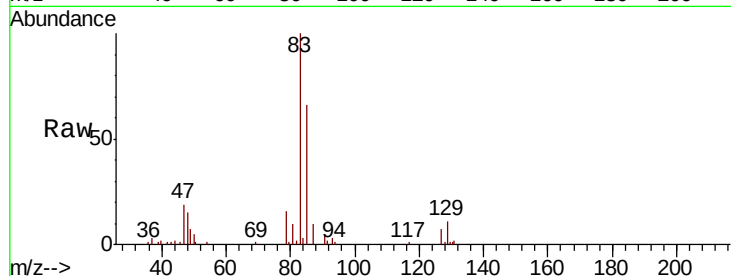
Tot Ion: 83 Resp: 45865

Ion Ratio Lower Upper

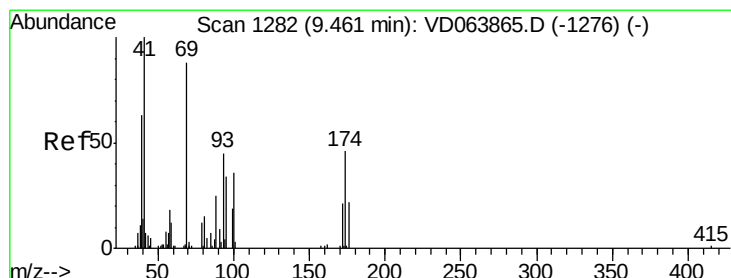
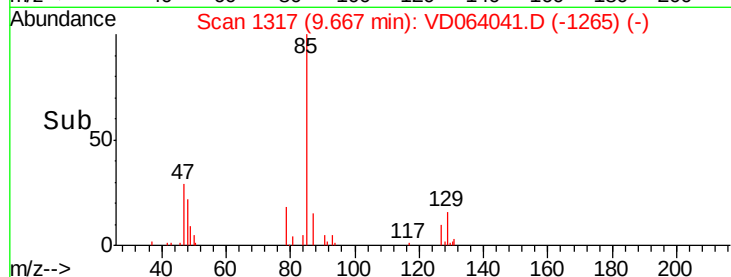
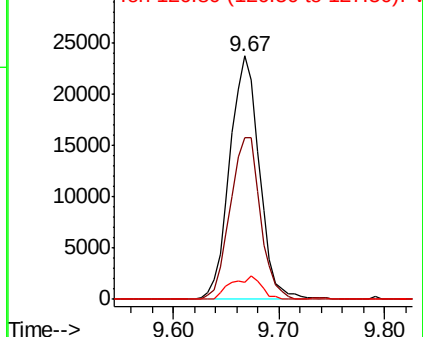
83 100

85 66.4 50.2 75.2

127 7.0 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: 19.910 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

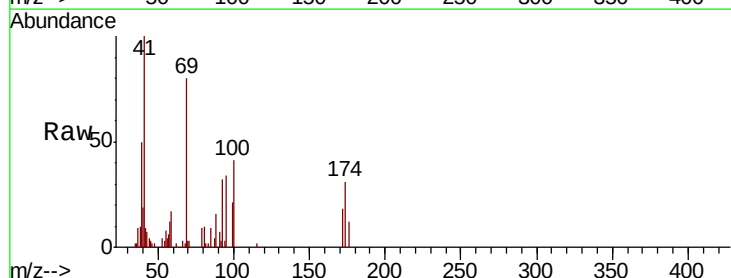
Tgt Ion: 41 Resp: 16772

Ion Ratio Lower Upper

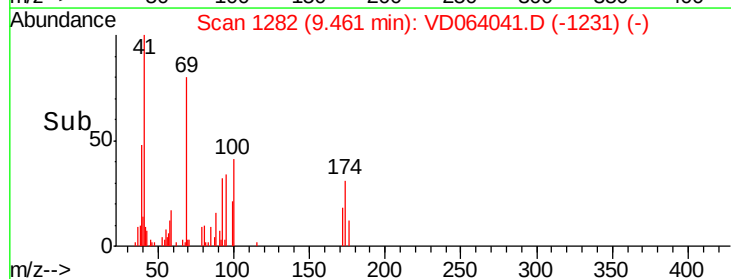
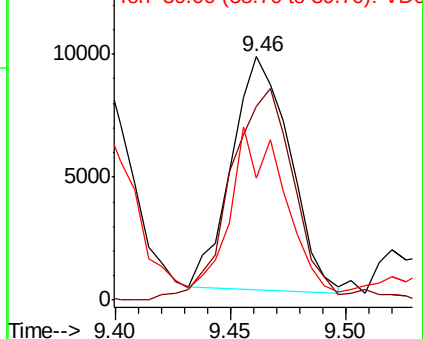
41 100

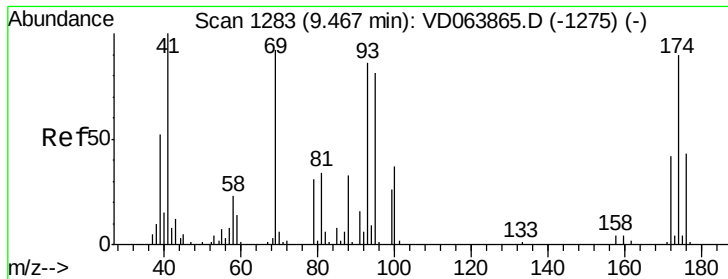
69 97.9 75.1 112.7

39 63.9 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

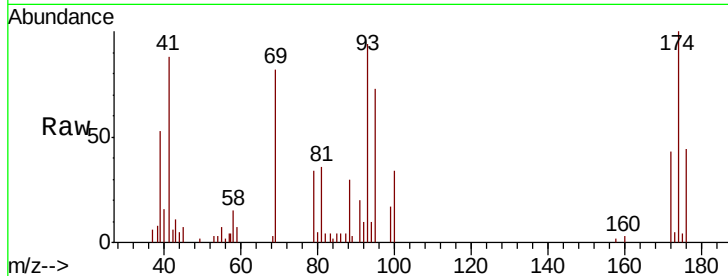




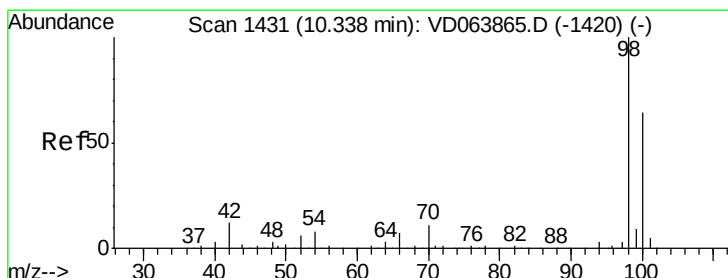
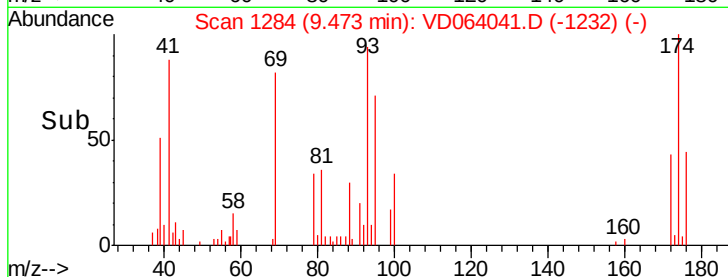
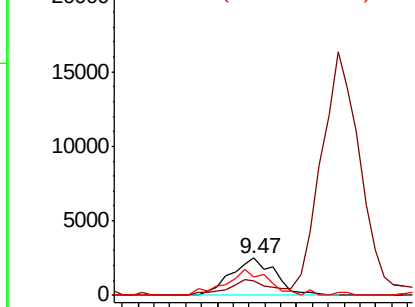
#49
1,4-Dioxane
Concen: 429.176 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 4906
Ion Ratio Lower Upper
88 100
43 39.0 27.6 41.4
58 65.1 54.1 81.1

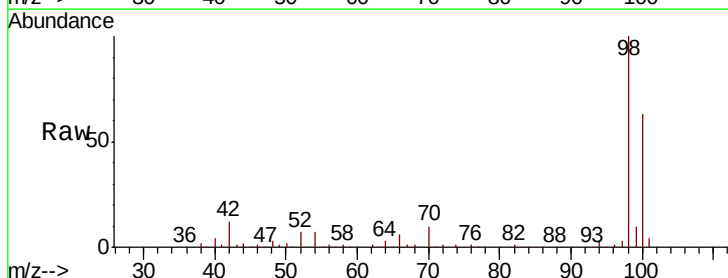


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

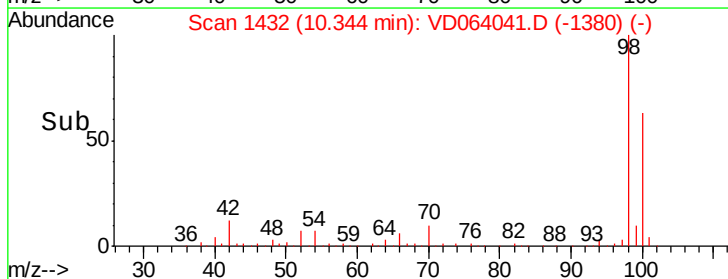
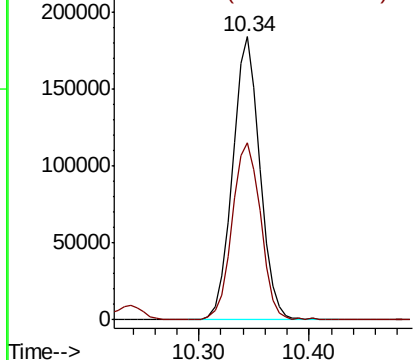


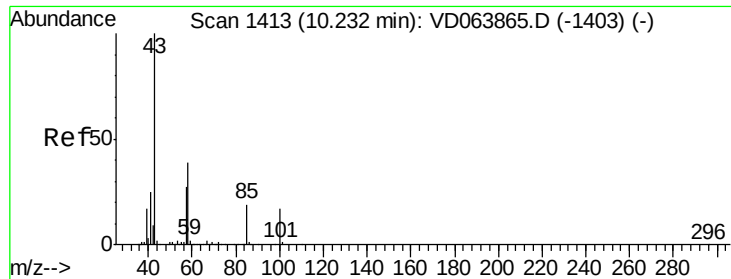
#50
Toluene-d8
Concen: 56.213 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 98 Resp: 319704
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 110.041 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

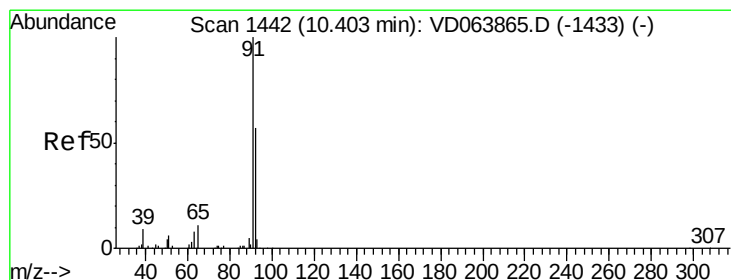
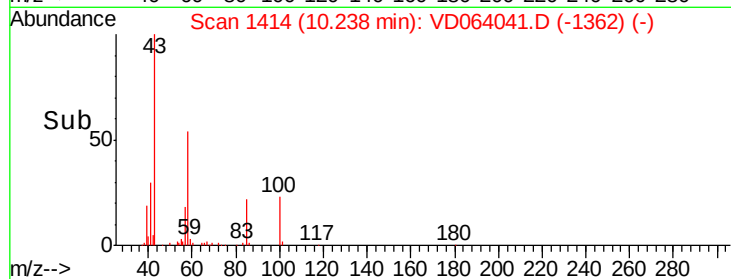
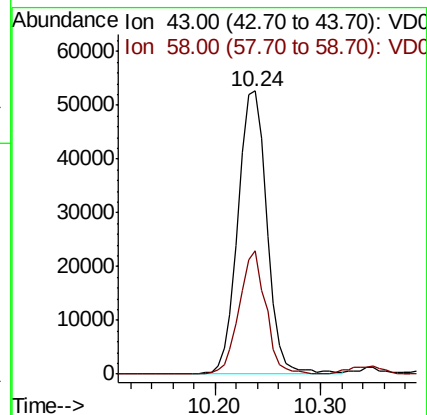
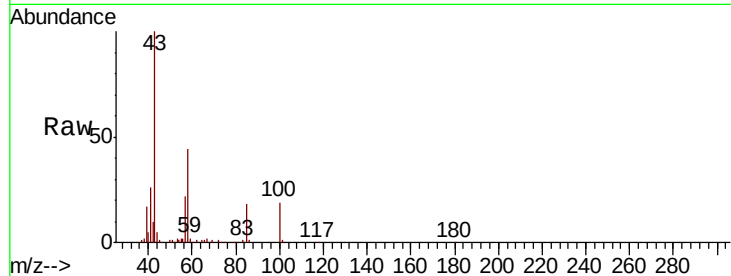
ClientSampled :

Tot Ion: 43 Resp: 100336

Ion Ratio Lower Upper

43 100

58 39.9 33.0 49.4



#52

Toluene

Concen: 22.296 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064041.D

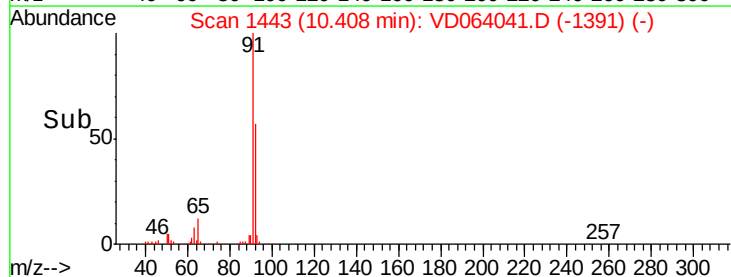
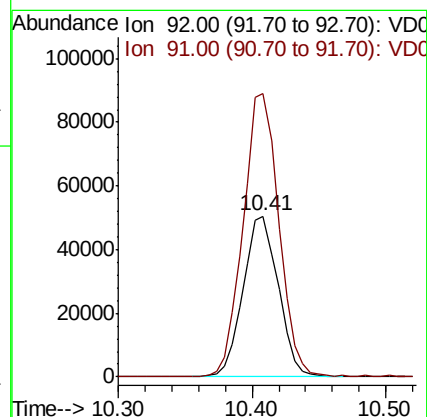
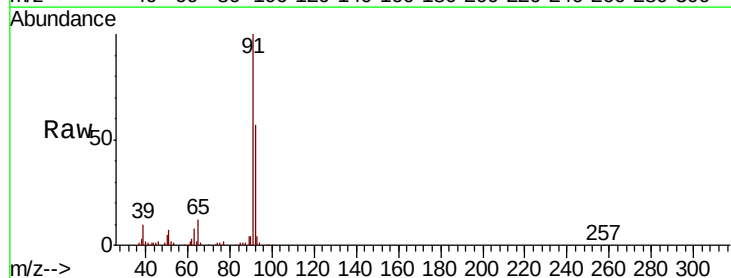
Acq: 24 Oct 2019 12:33

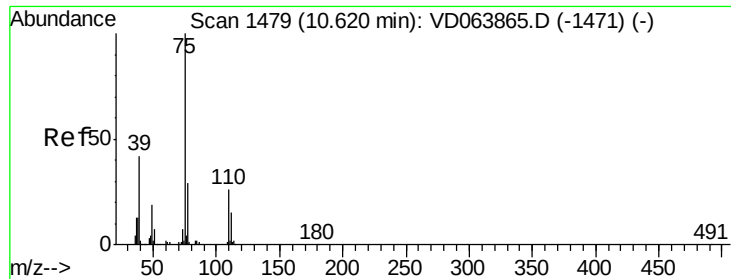
Tgt Ion: 92 Resp: 91952

Ion Ratio Lower Upper

92 100

91 179.6 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 21.793 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

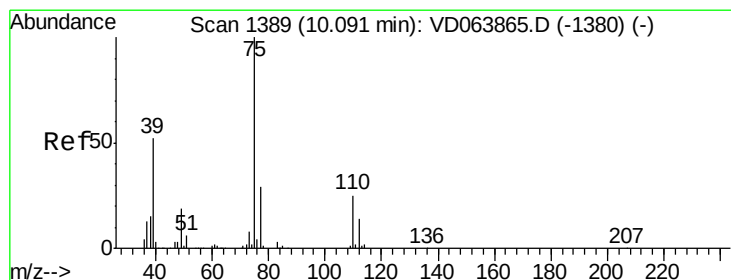
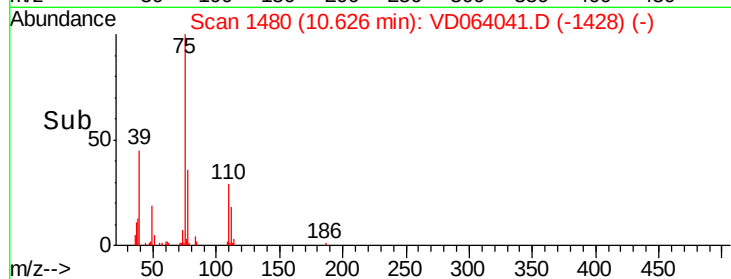
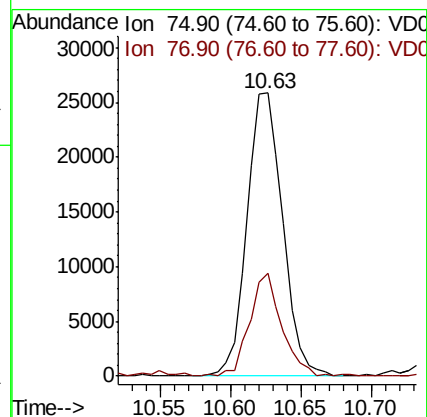
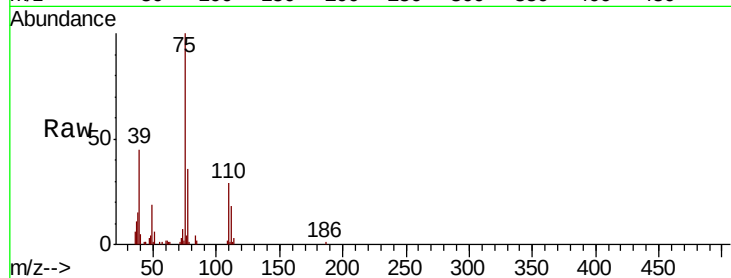
ClientSampled :

Tot Ion: 75 Resp: 45852

Ion Ratio Lower Upper

75 100

77 36.2 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 21.493 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

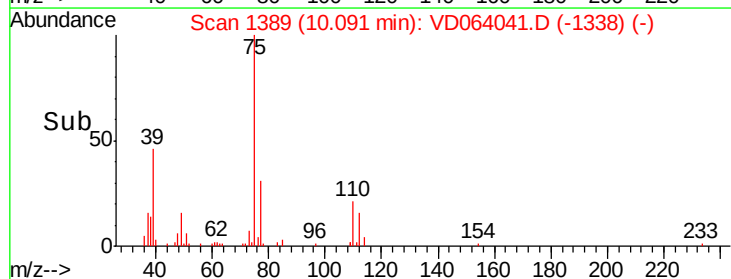
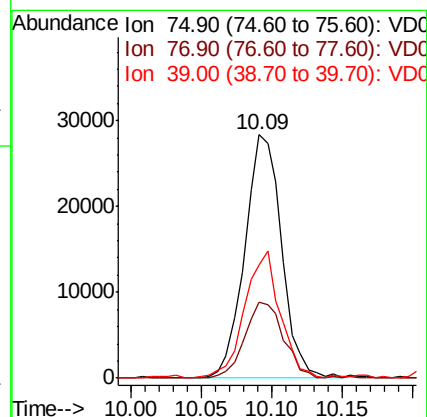
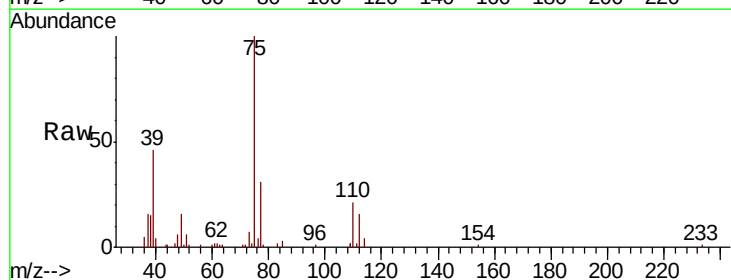
Tgt Ion: 75 Resp: 52054

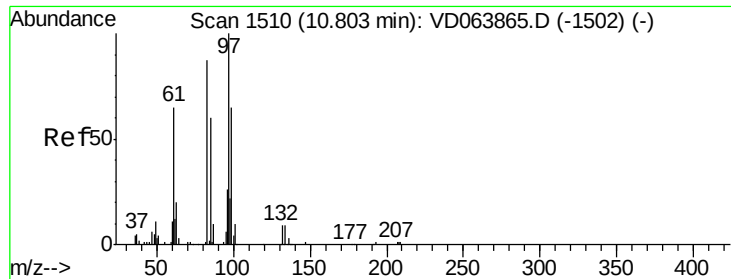
Ion Ratio Lower Upper

75 100

77 31.3 23.2 34.8

39 46.3 41.5 62.3

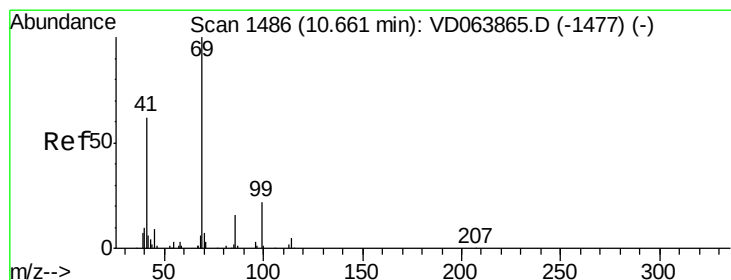
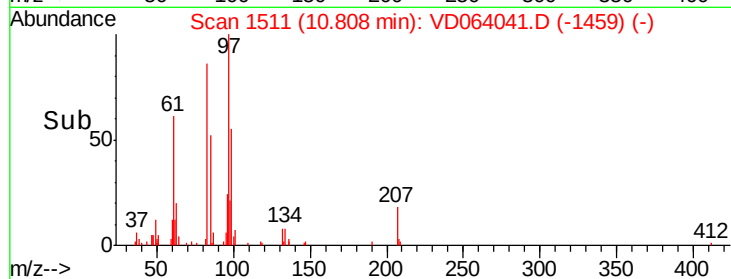
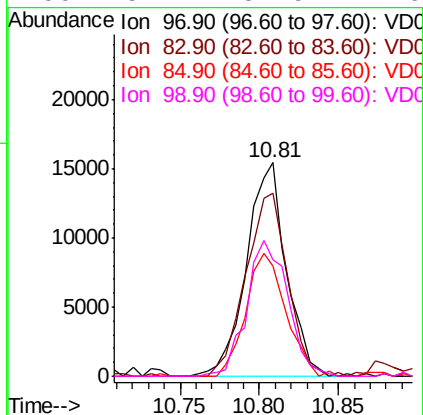
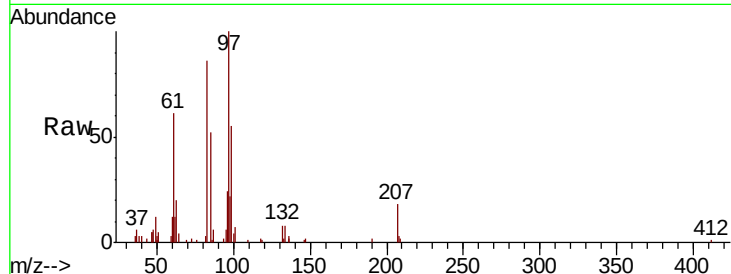




#55
 1,1,2-Trichloroethane
 Concen: 22.787 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

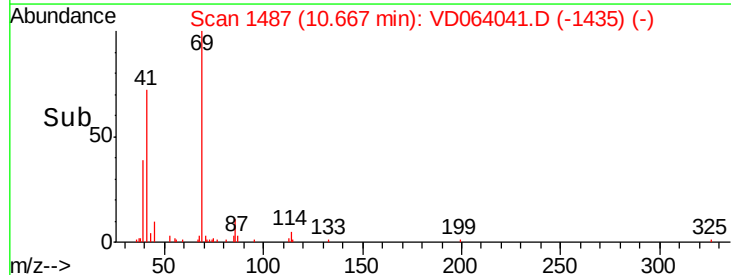
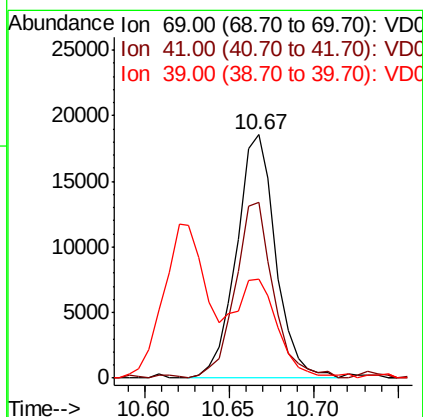
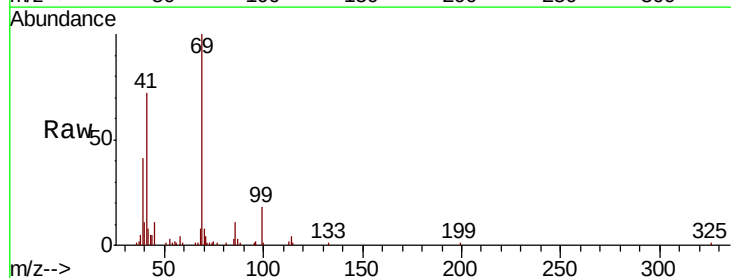
Instrument :
 MSVOA_D
 ClientSampleId :

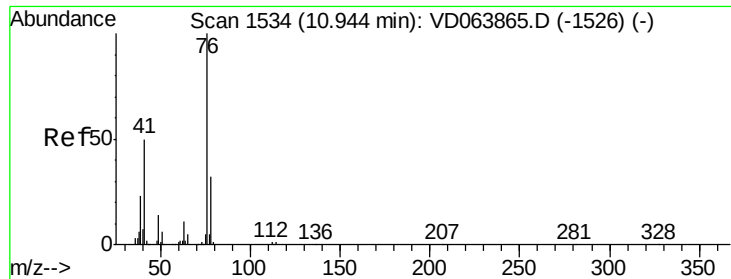
Tot Ion:	97	Resp:	26945
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	51.6	48.1	72.1
99	54.7	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 20.107 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion:	69	Resp:	30109
Ion	Ratio	Lower	Upper
69	100		
41	70.3	51.3	76.9
39	40.4	28.0	42.0





#57

1,3-Dichloropropane

Concen: 22.304 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

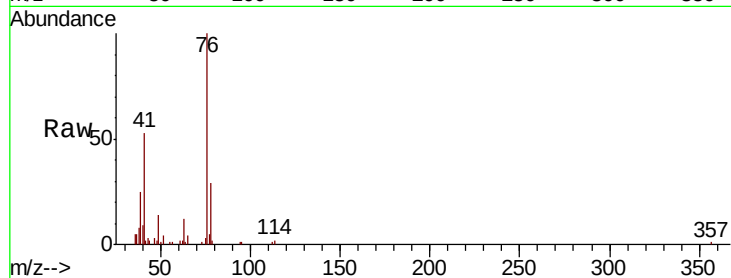
ClientSampleId :

Tot Ion: 76 Resp: 45123

Ion Ratio Lower Upper

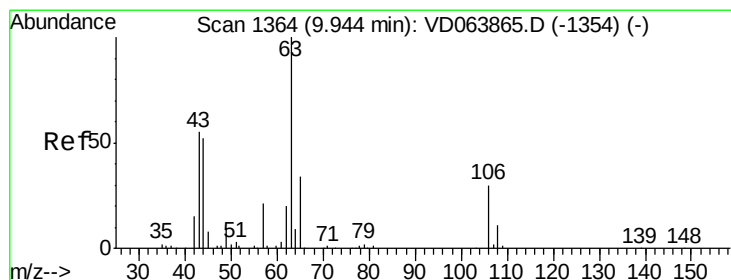
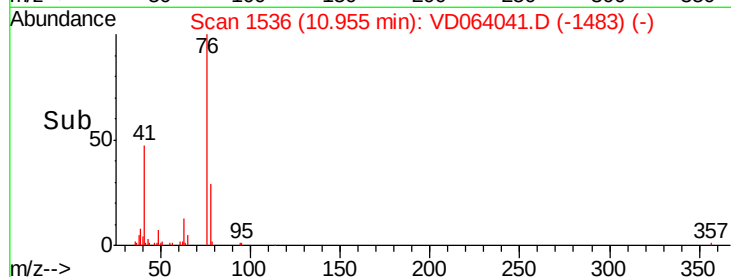
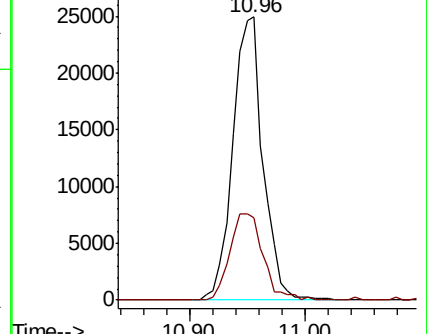
76 100

78 33.5 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.462 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064041.D

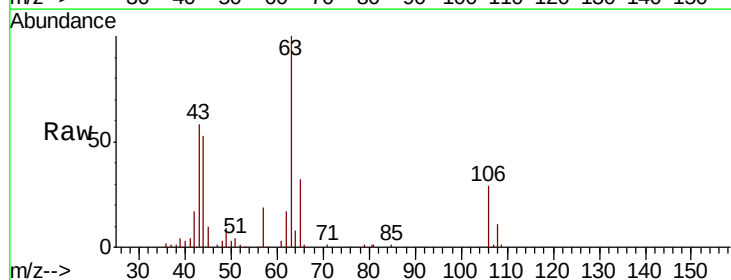
Acq: 24 Oct 2019 12:33

Tgt Ion: 63 Resp: 65949

Ion Ratio Lower Upper

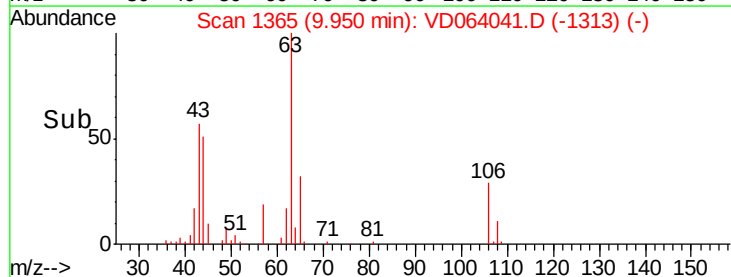
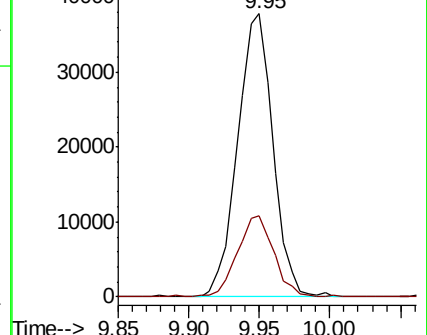
63 100

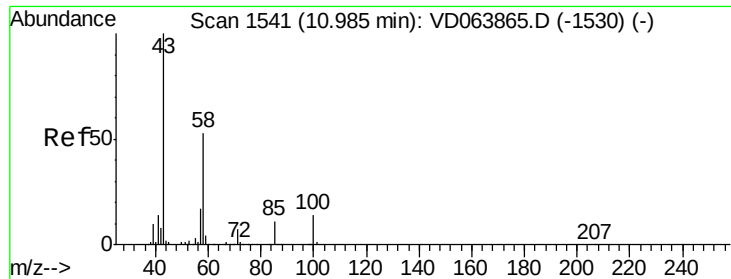
106 29.6 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

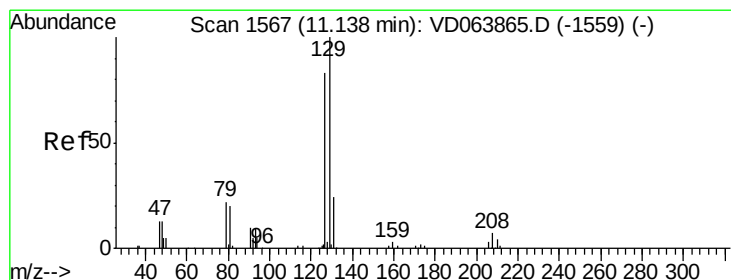
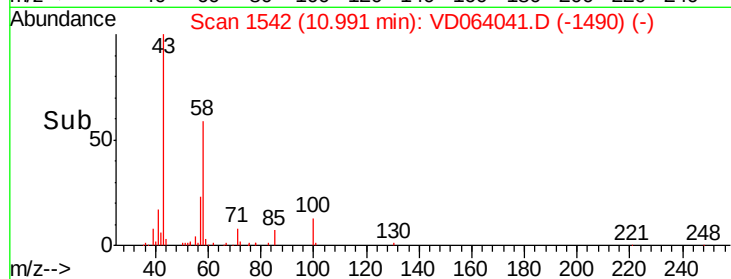
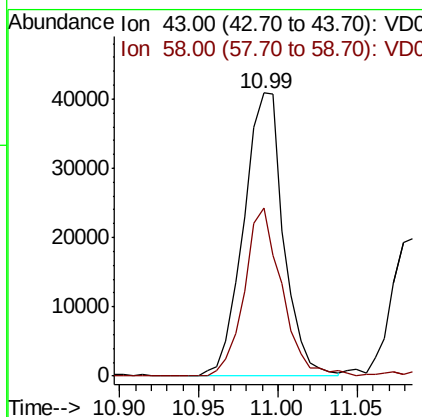
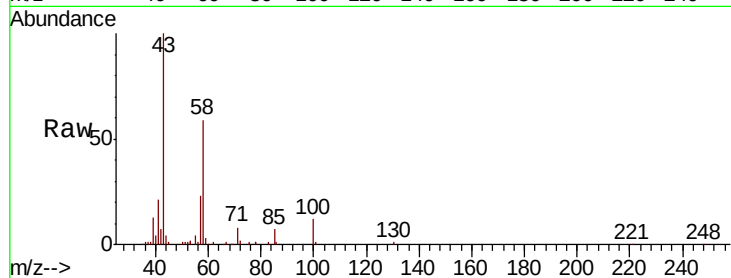




#59
2-Hexanone
Concen: 108.738 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

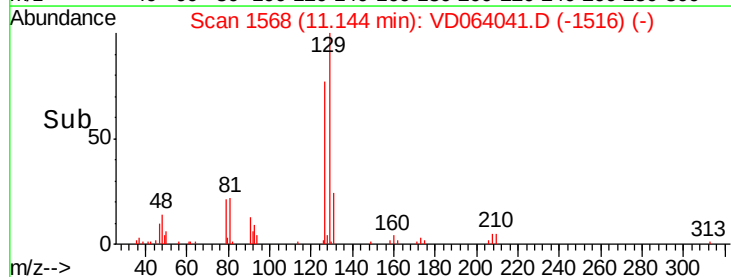
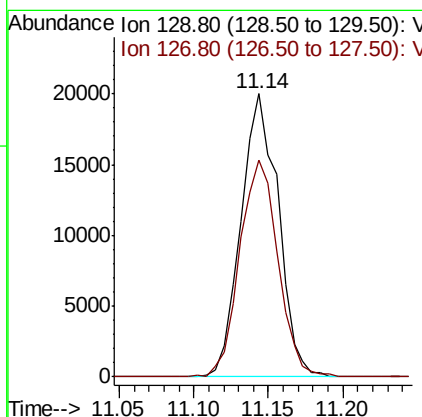
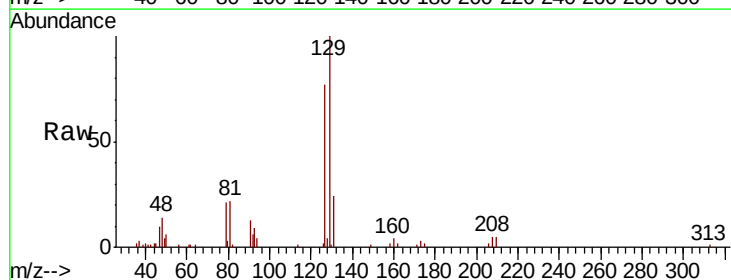
Instrument :
MSVOA_D
ClientSampleId :

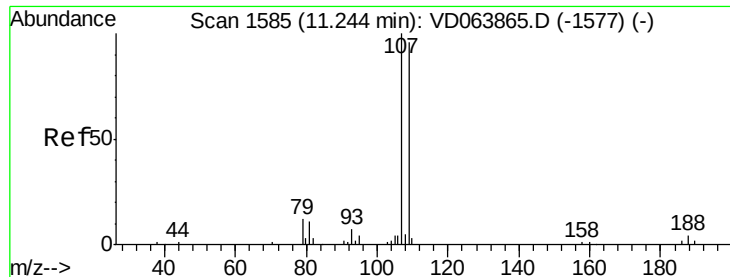
Tot Ion: 43 Resp: 71721
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 22.412 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 129 Resp: 34502
Ion Ratio Lower Upper
129 100
127 78.9 39.9 119.6





#61

1,2-Dibromoethane

Concen: 23.660 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

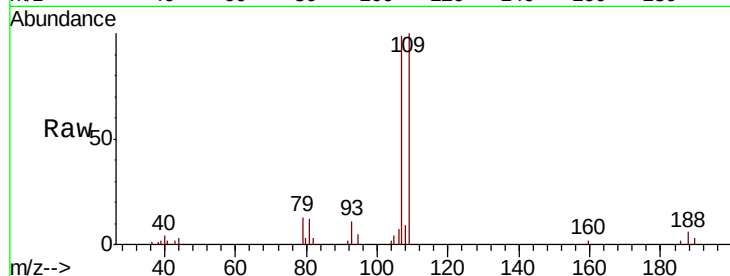
ClientSampleId :

Tot Ion: 107 Resp: 27122

Ion Ratio Lower Upper

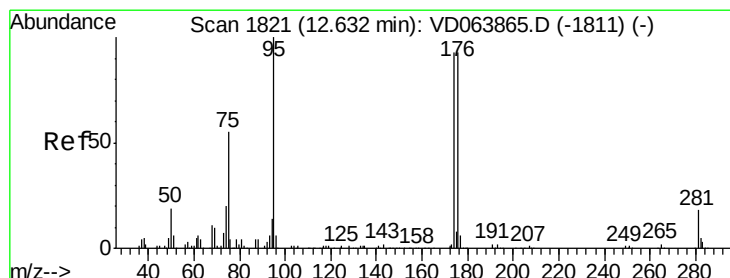
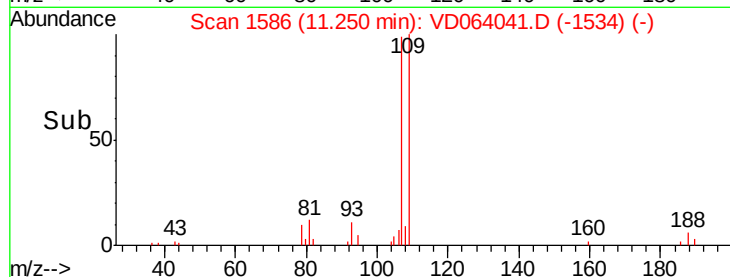
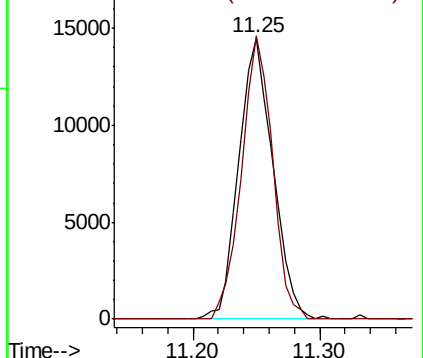
107 100

109 91.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.768 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

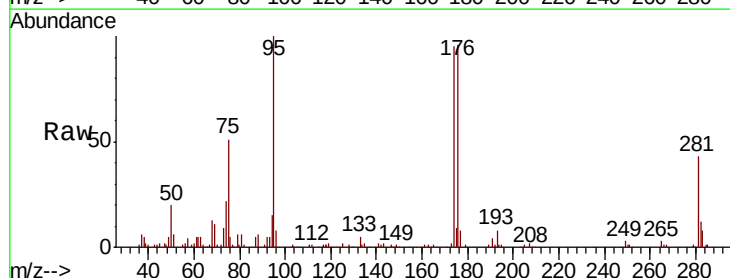
Tgt Ion: 95 Resp: 106266

Ion Ratio Lower Upper

95 100

174 97.3 0.0 186.4

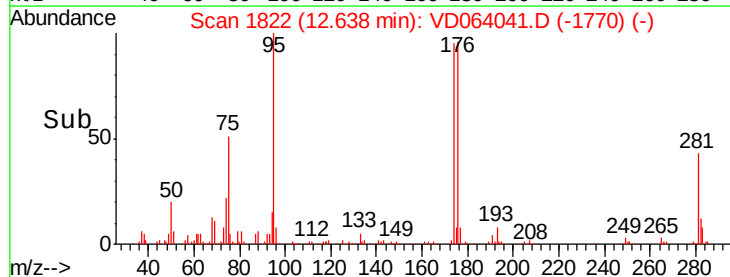
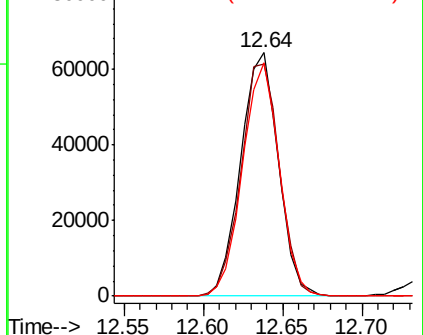
176 93.4 0.0 184.2

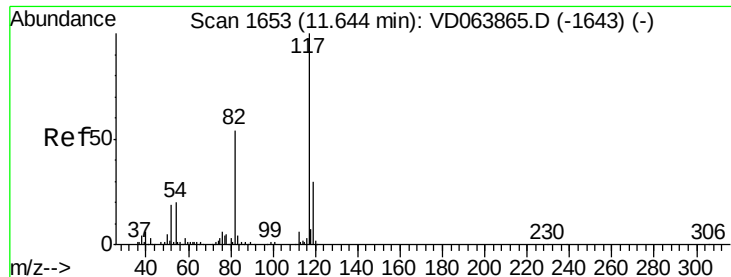


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

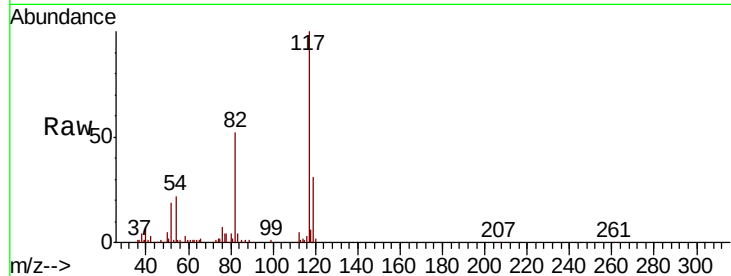




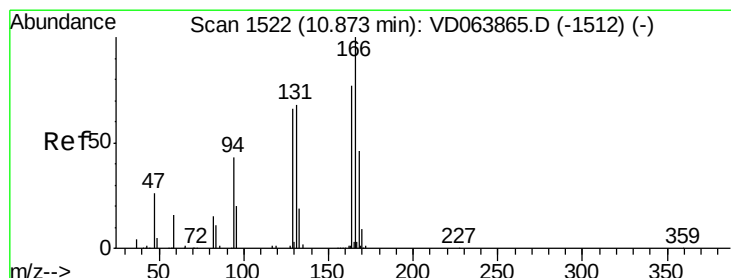
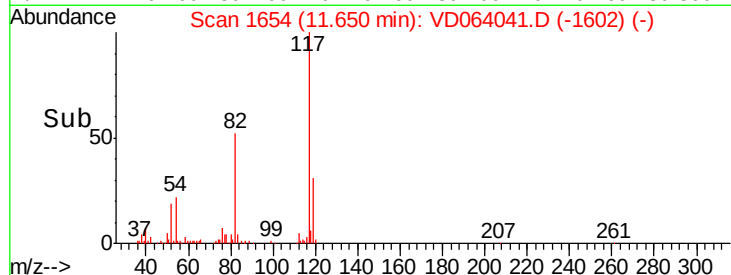
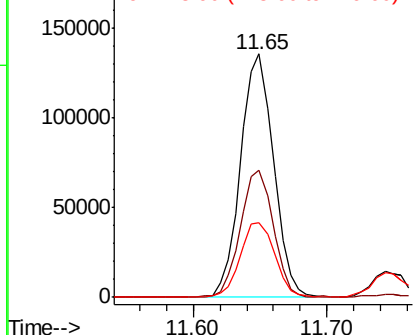
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 232059
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 30.8 24.4 36.6

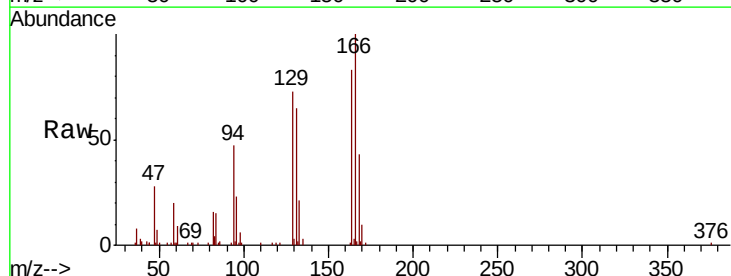


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

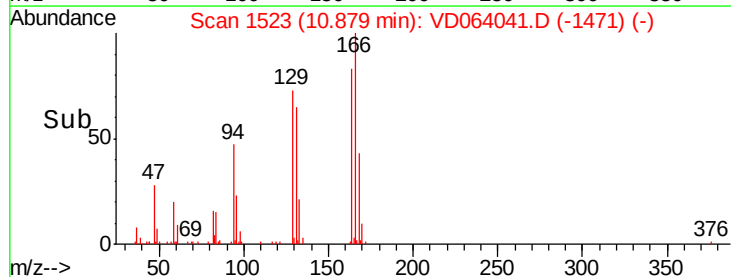
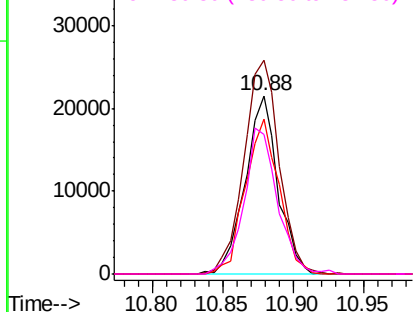


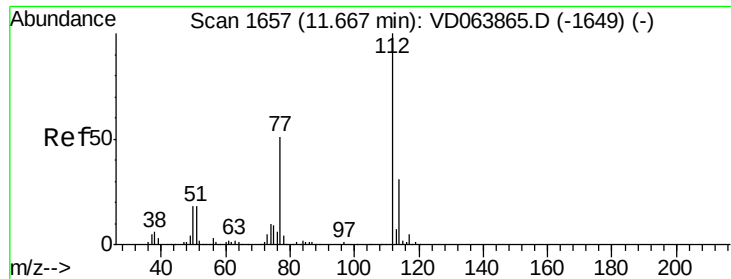
#64
Tetrachloroethene
Concen: 22.175 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion:164 Resp: 35130
Ion Ratio Lower Upper
164 100
166 120.0 103.8 155.6
129 87.2 68.9 103.3
131 78.6 70.9 106.3



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

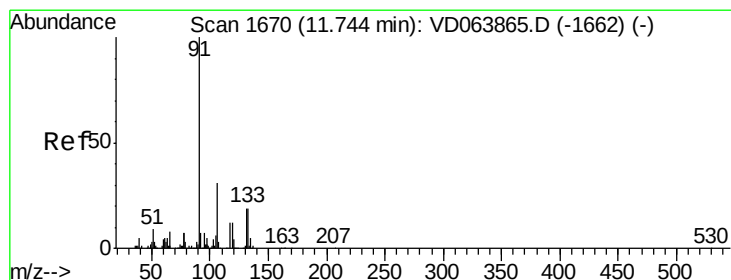
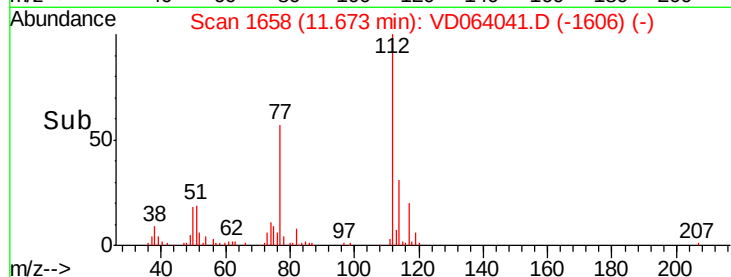
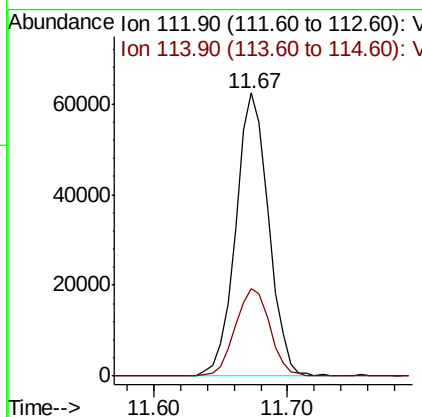
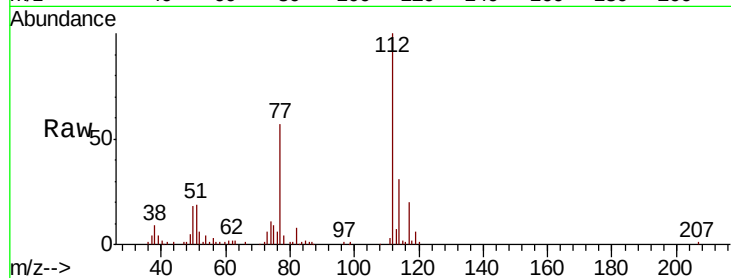




#65
Chlorobenzene
Concen: 22.758 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

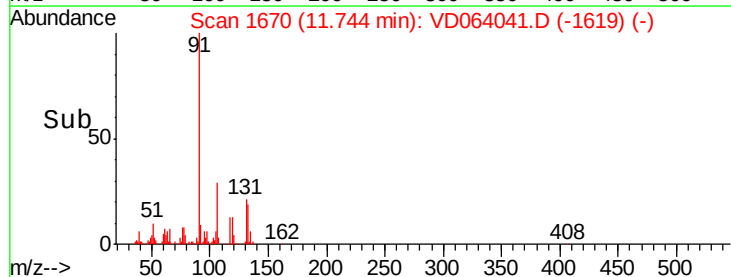
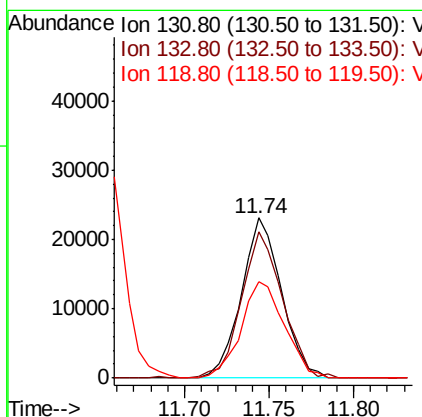
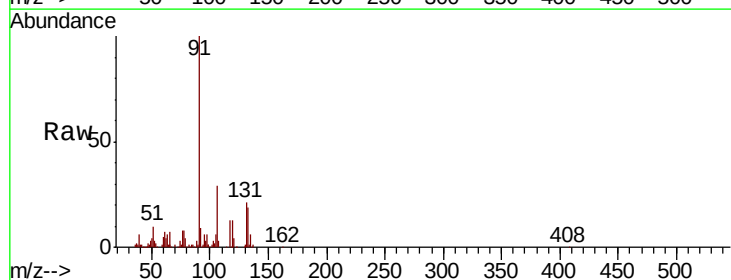
Instrument :
MSVOA_D
ClientSampleId :

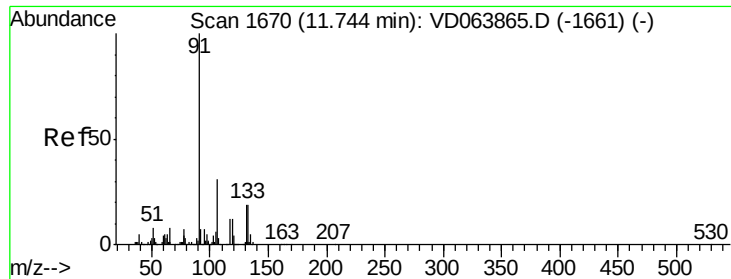
Tot Ion:112 Resp: 106059
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 22.227 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion:131 Resp: 38169
Ion Ratio Lower Upper
131 100
133 93.1 48.9 146.7
119 64.9 32.6 97.8





#67

Ethyl Benzene

Concen: 22.220 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

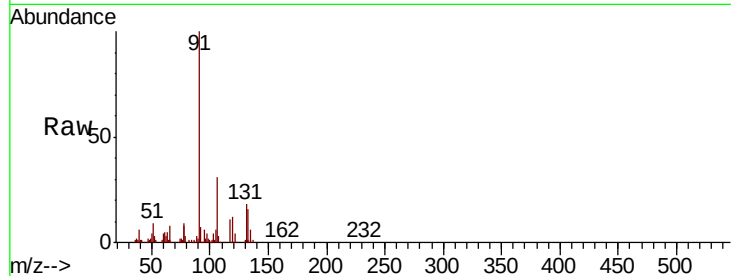
ClientSampleId :

Tot Ion: 91 Resp: 186727

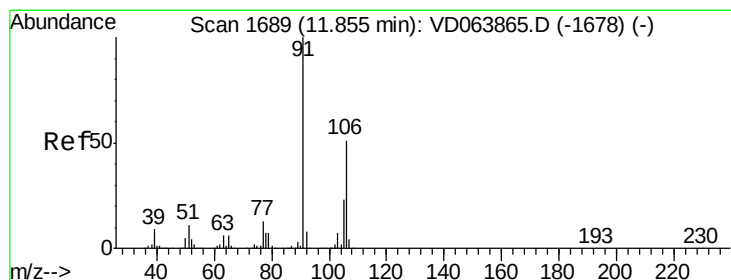
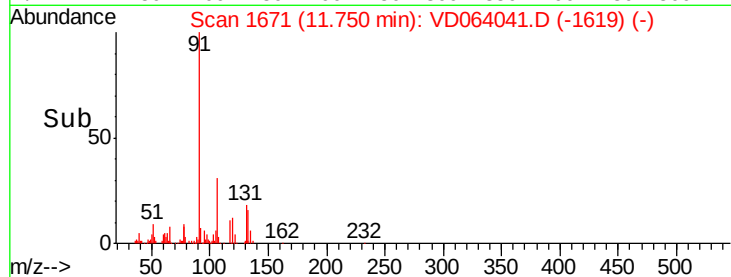
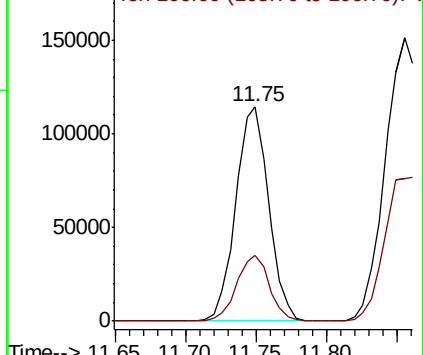
Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 47.389 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064041.D

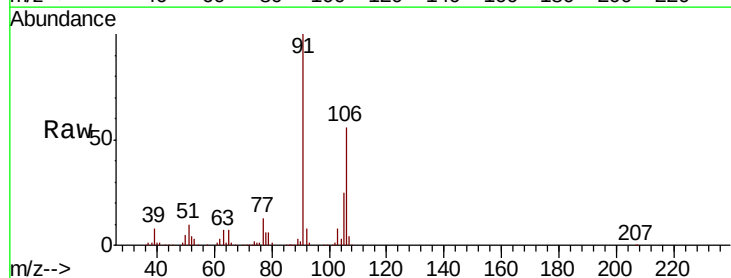
Acq: 24 Oct 2019 12:33

Tgt Ion: 106 Resp: 153709

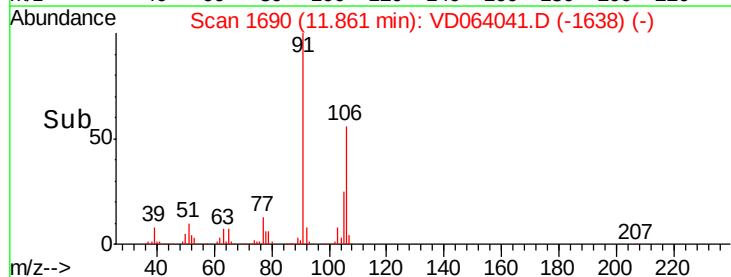
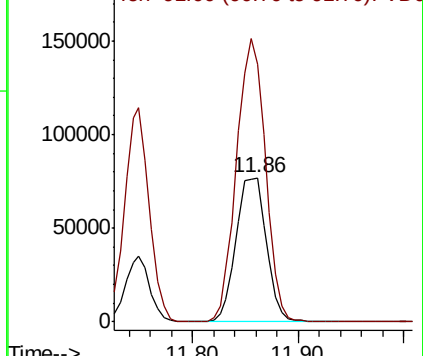
Ion Ratio Lower Upper

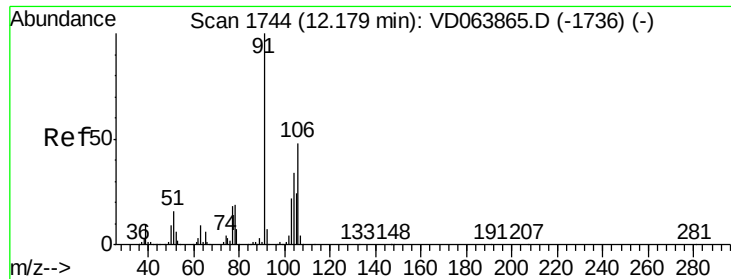
106 100

91 186.8 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

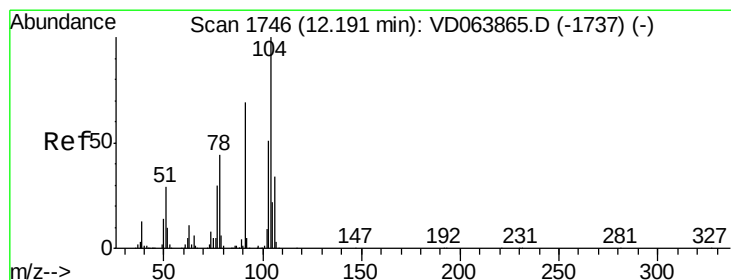
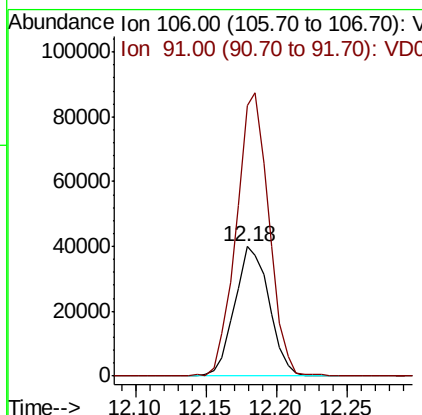
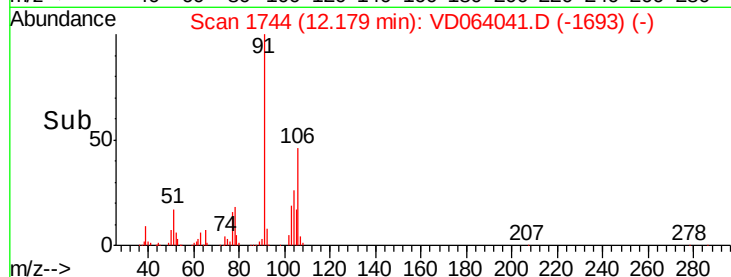
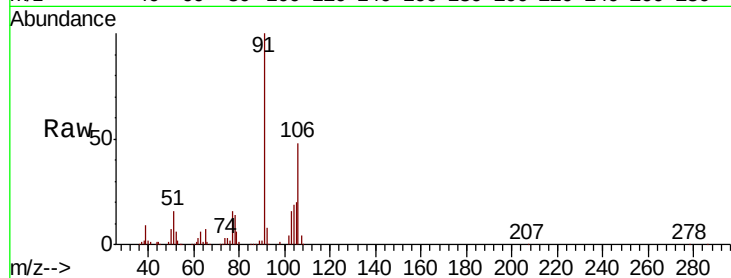




#69
o-Xylene
Concen: 22.064 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

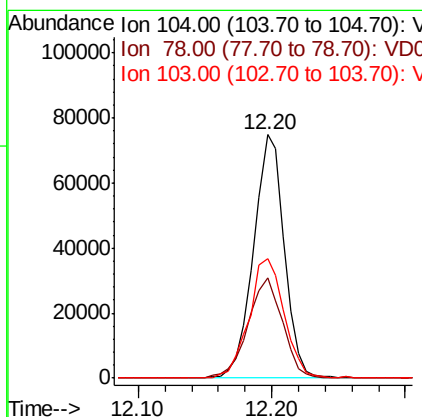
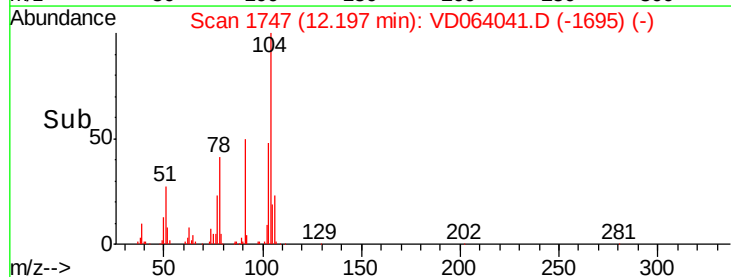
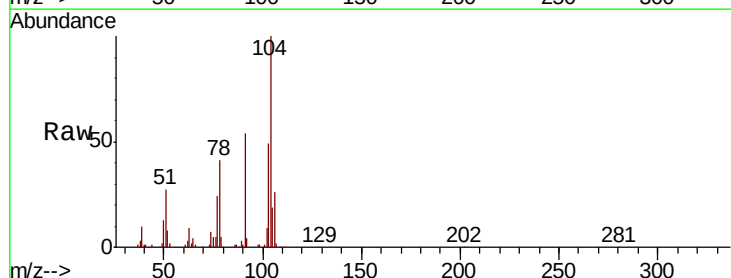
Instrument :
MSVOA_D
ClientSampleId :

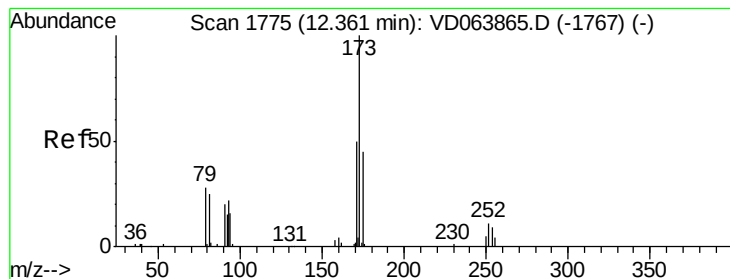
Tot Ion:106 Resp: 68527
Ion Ratio Lower Upper
106 100
91 206.1 103.9 311.7



#70
Styrene
Concen: 22.507 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion:104 Resp: 118337
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 56.2 44.2 66.4





#71

Bromoform

Concen: 22.662 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

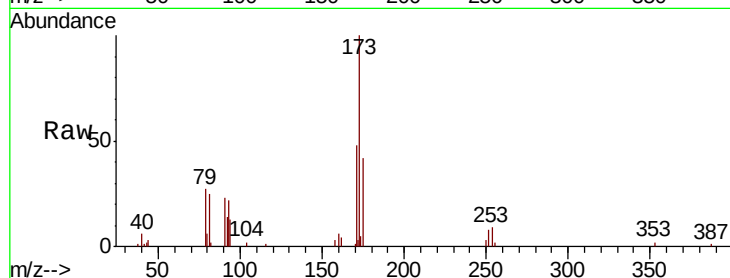
Tot Ion:173 Resp: 20885

Ion Ratio Lower Upper

173 100

175 46.9 24.6 74.0

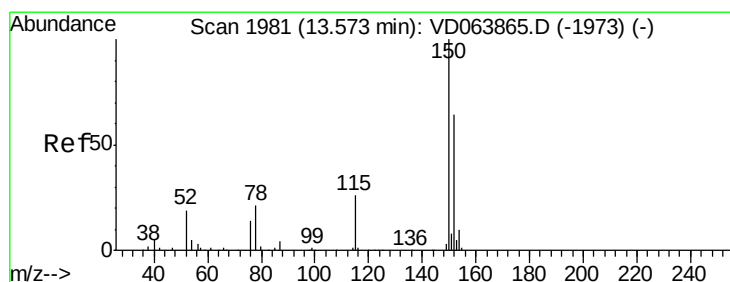
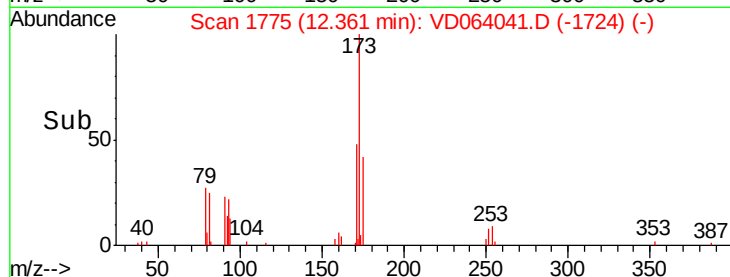
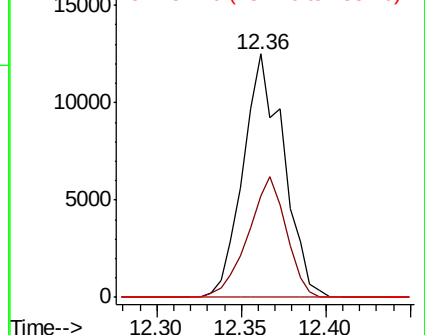
254 0.0 0.0 0.0



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: VD064041.D

Acq: 24 Oct 2019 12:33

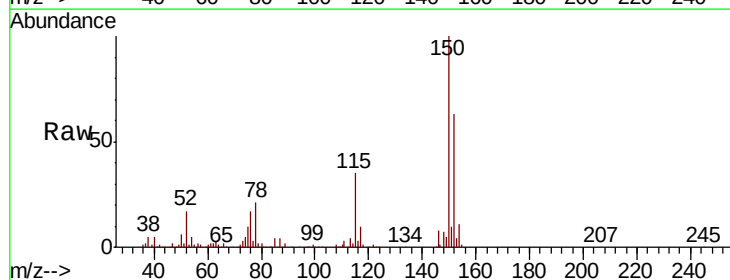
Tgt Ion:152 Resp: 128122

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

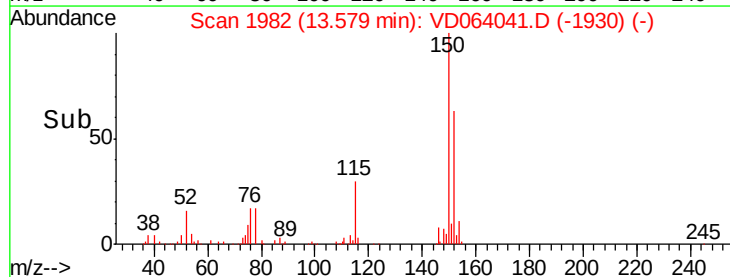
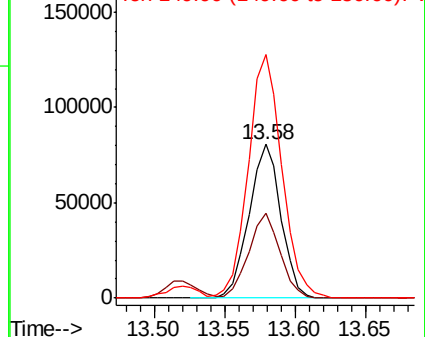
150 167.1 0.0 344.2

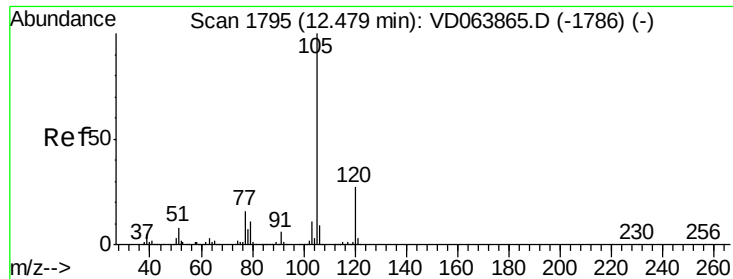


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.661 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

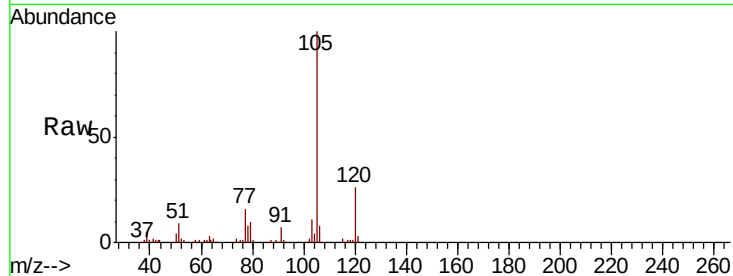
ClientSampleId :

Tot Ion:105 Resp: 186565

Ion Ratio Lower Upper

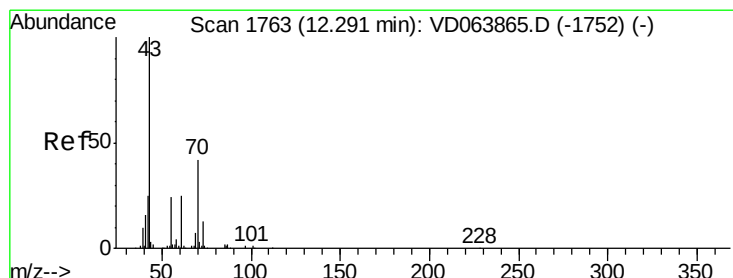
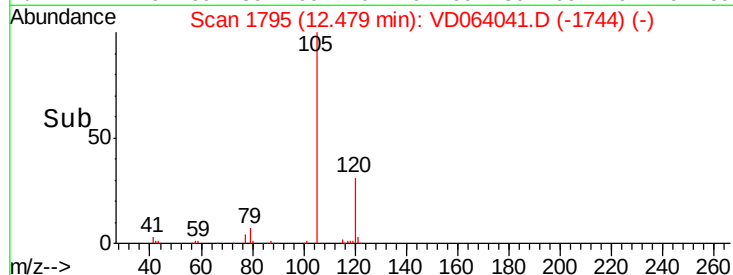
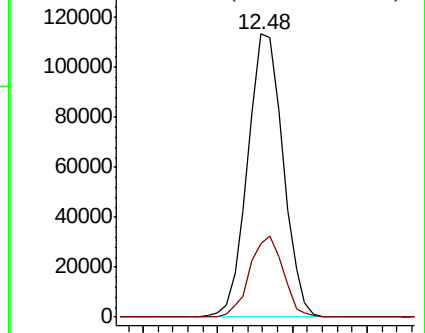
105 100

120 27.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.821 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Tgt Ion: 43 Resp: 36756

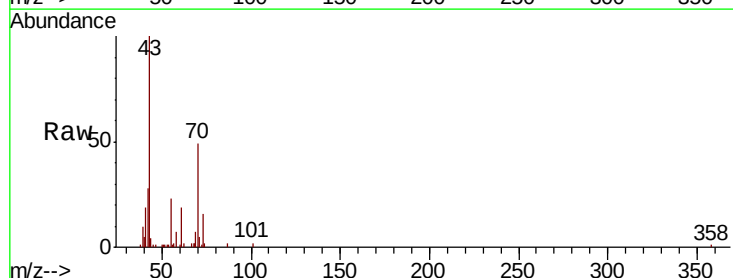
Ion Ratio Lower Upper

43 100

70 47.9 35.8 53.6

55 24.3 19.4 29.0

61 24.6 20.4 30.6

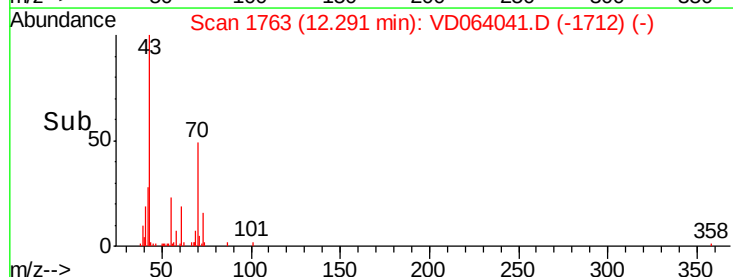
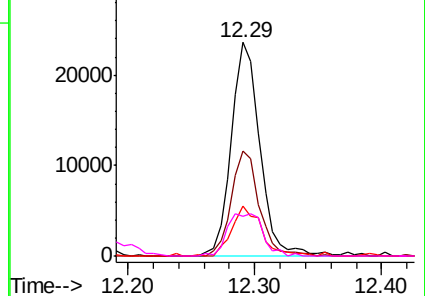


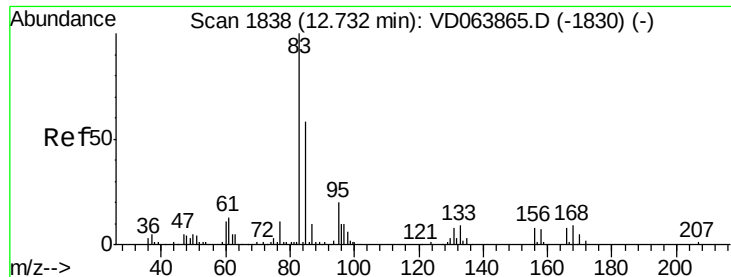
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.968 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

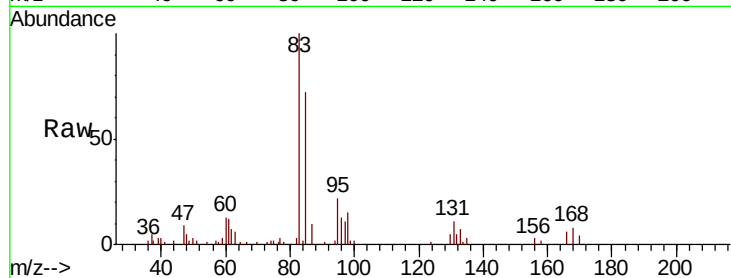
Tot Ion: 83 Resp: 31427

Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	68.8	32.3	96.8

83 100

131 10.7 5.6 16.8

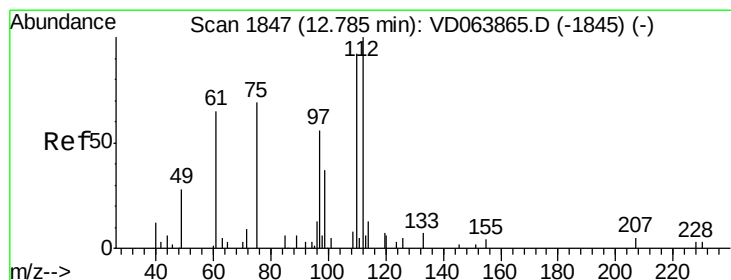
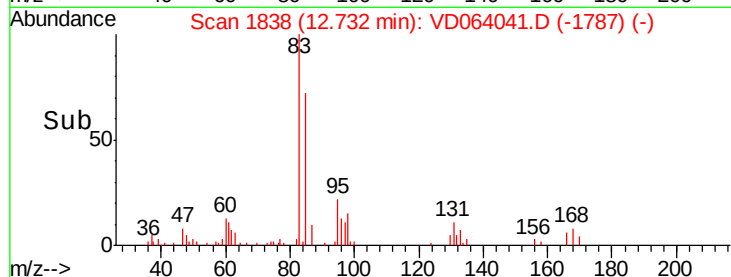
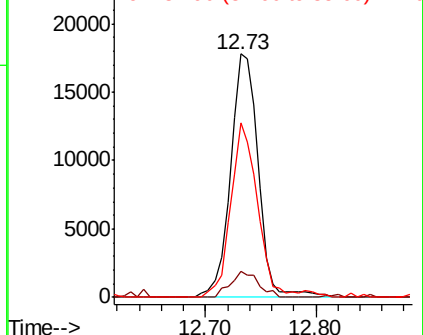
85 68.8 32.3 96.8



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: 45.552 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064041.D

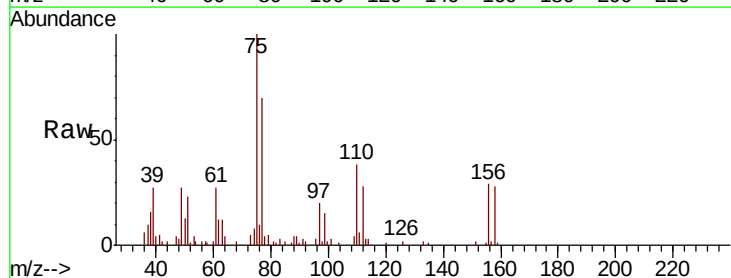
Acq: 24 Oct 2019 12:33

Tgt Ion: 75 Resp: 39089

Ion	Ratio	Lower	Upper
75	100		
77	191.6	0.0	0.0#

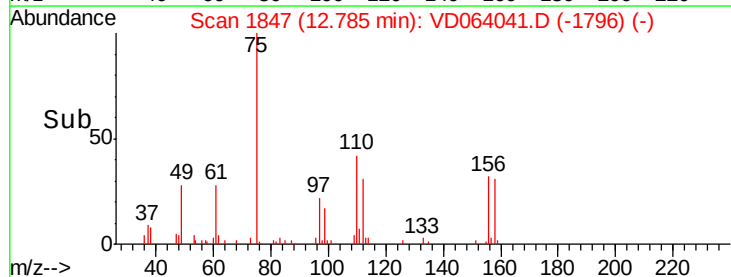
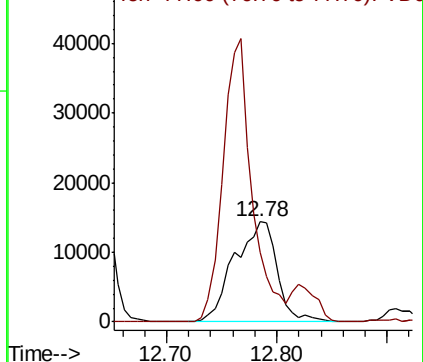
75 100

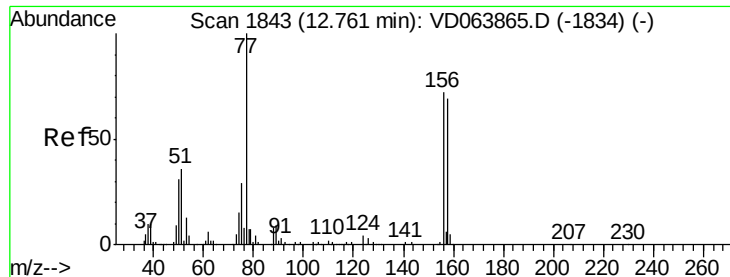
77 191.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.868 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

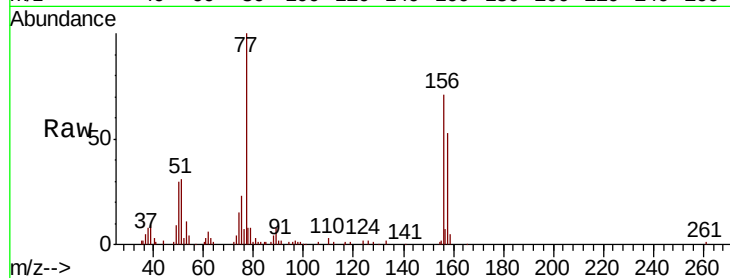
Tot Ion:156 Resp: 46926

Ion Ratio Lower Upper

156 100

77 159.6 80.3 241.0

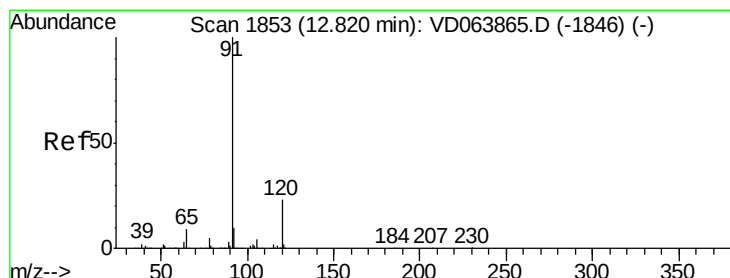
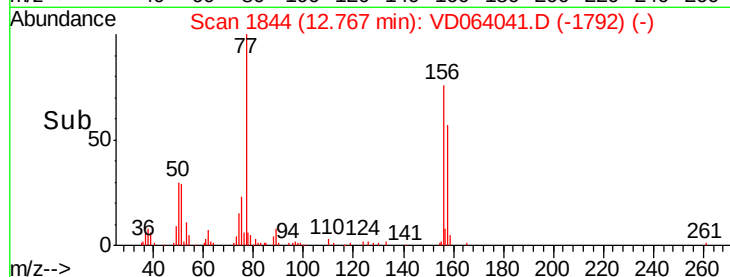
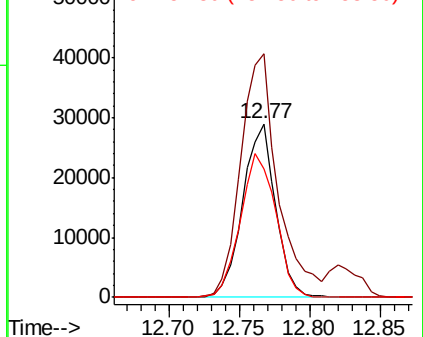
158 90.1 47.4 142.2



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: 23.068 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064041.D

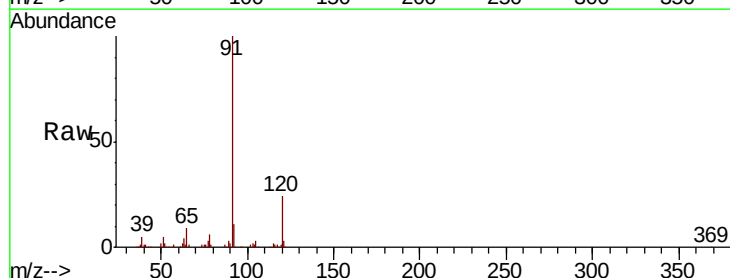
Acq: 24 Oct 2019 12:33

Tgt Ion: 91 Resp: 233215

Ion Ratio Lower Upper

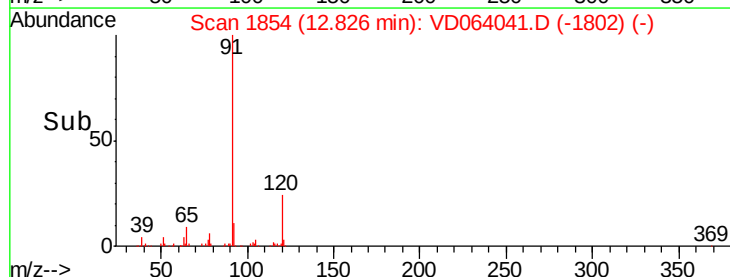
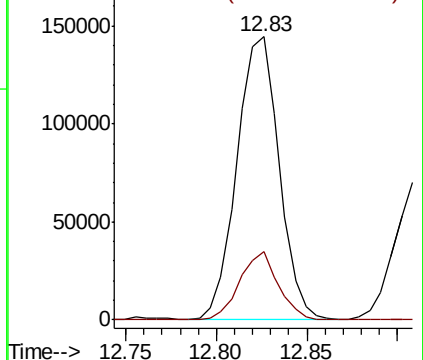
91 100

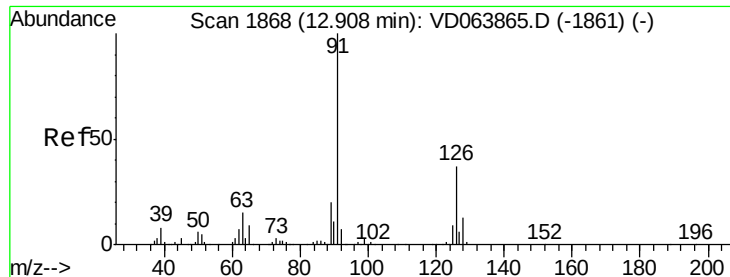
120 22.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

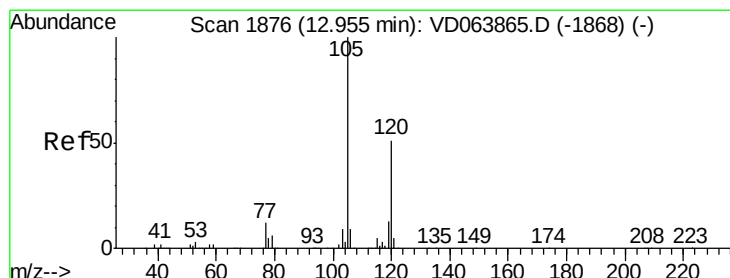
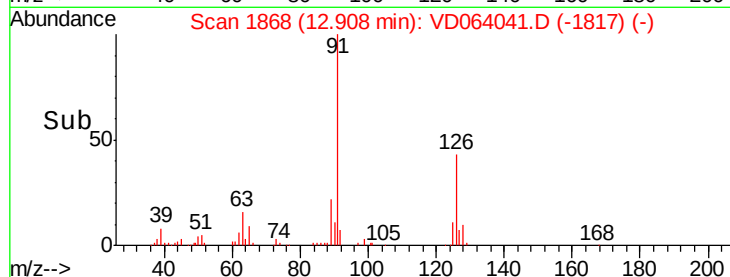
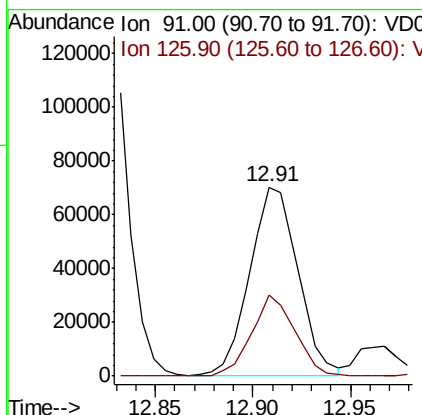
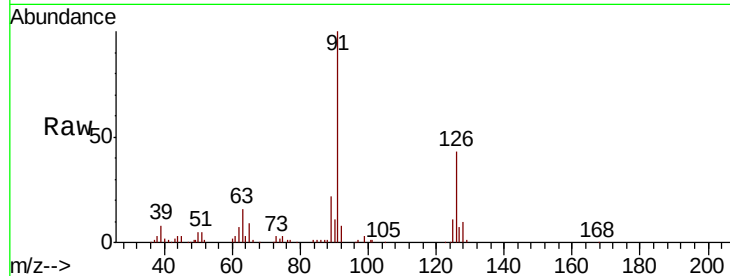




#79
 2-Chlorotoluene
 Concen: 21.555 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

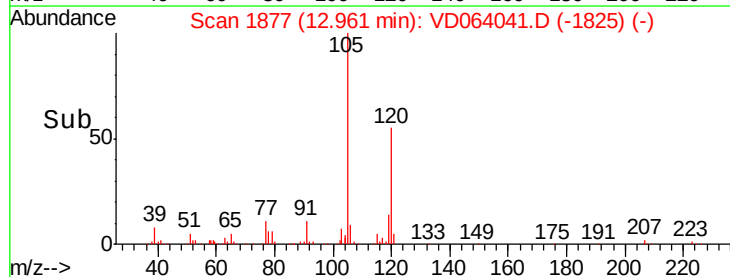
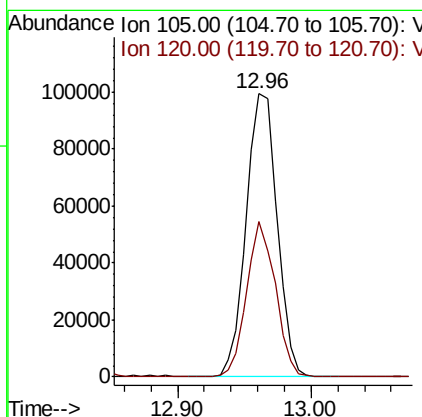
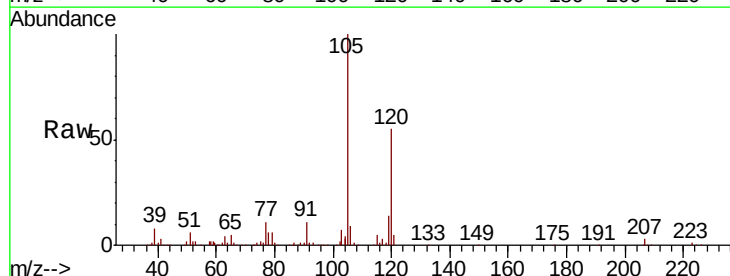
Instrument :
 MSVOA_D
 ClientSampleId :

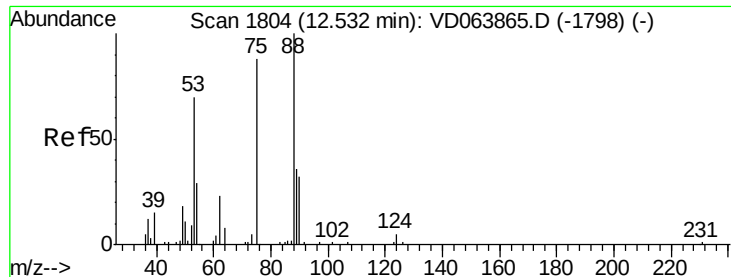
Tot Ion: 91 Resp: 120161
 Ion Ratio Lower Upper
 91 100
 126 38.6 18.4 55.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.185 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion:105 Resp: 159412
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.9 77.8

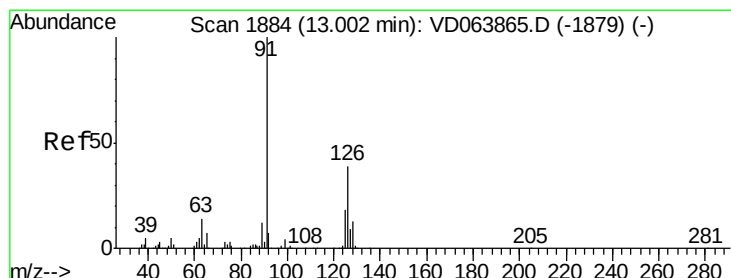
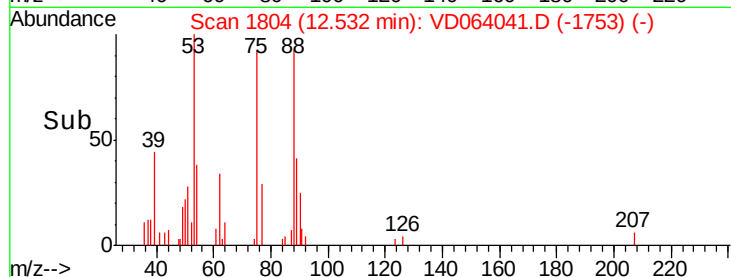
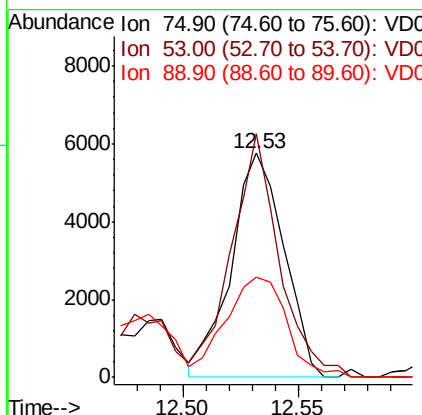
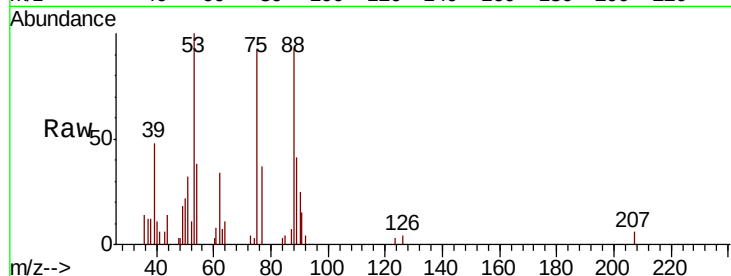




#81
trans-1,4-Dichloro-2-butene
Concen: 18.925 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

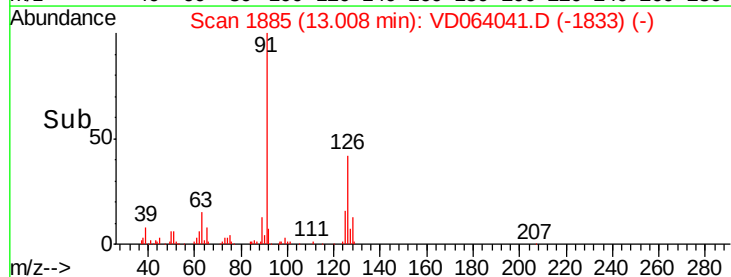
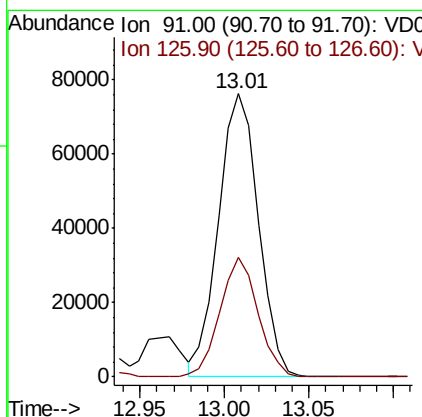
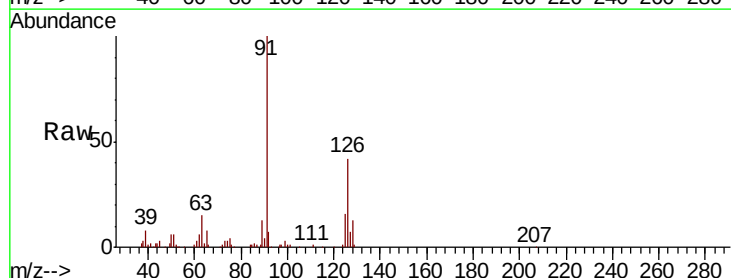
Instrument :
MSVOA_D
ClientSampleId :

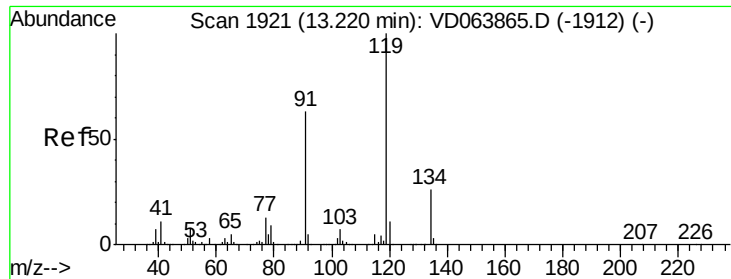
Tot Ion: 75 Resp: 9177
Ion Ratio Lower Upper
75 100
53 98.3 75.0 112.6
89 52.0 38.2 57.4



#82
4-Chlorotoluene
Concen: 21.187 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion: 91 Resp: 125291
Ion Ratio Lower Upper
91 100
126 40.1 18.6 55.8

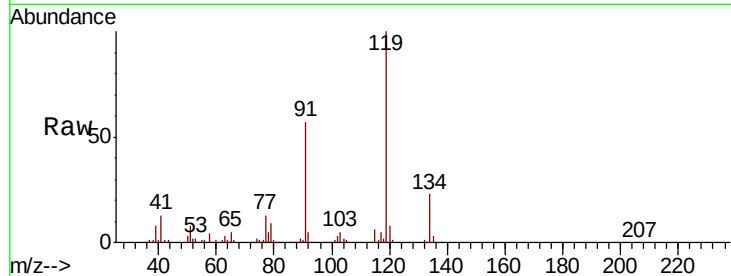




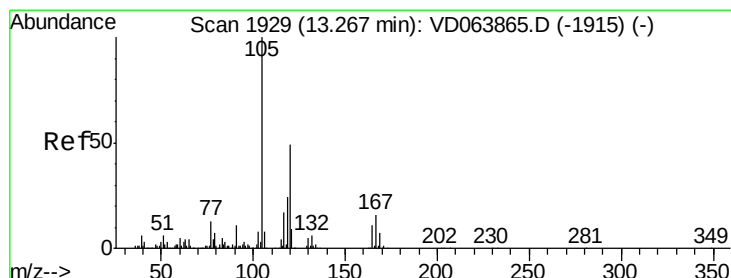
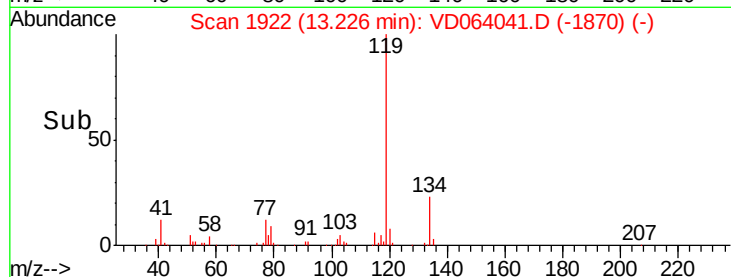
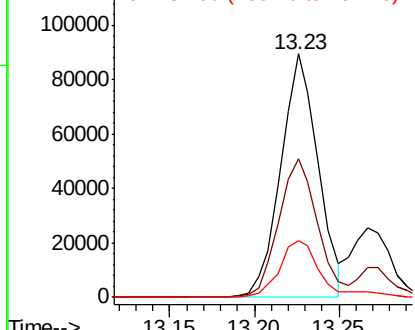
#83
tert-Butylbenzene
Concen: 21.405 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 136888
Ion Ratio Lower Upper
119 100
91 59.5 30.0 90.0
134 24.0 13.0 38.9

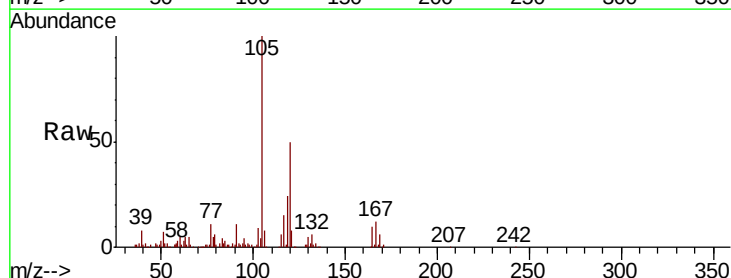


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

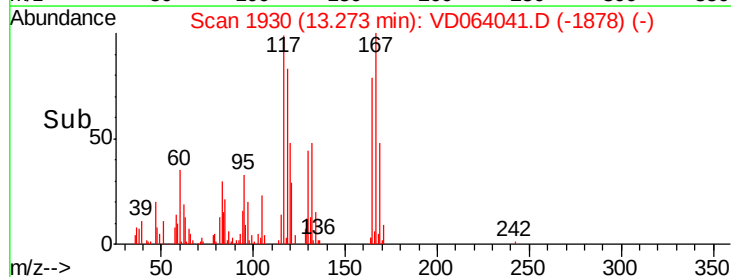
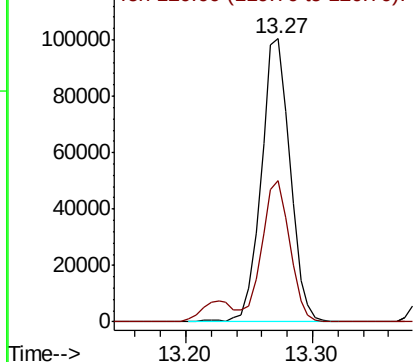


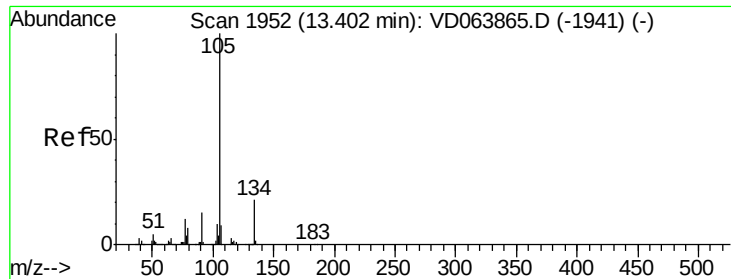
#84
1,2,4-Trimethylbenzene
Concen: 21.463 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion:105 Resp: 158997
Ion Ratio Lower Upper
105 100
120 48.2 23.8 71.5



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





#85

sec-Butylbenzene

Concen: 22.542 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

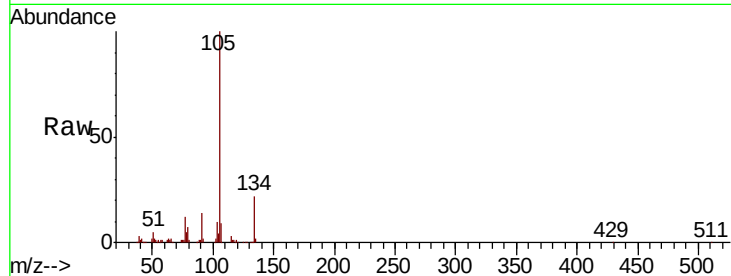
ClientSampled :

Tot Ion:105 Resp: 194681

Ion Ratio Lower Upper

105 100

134 21.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

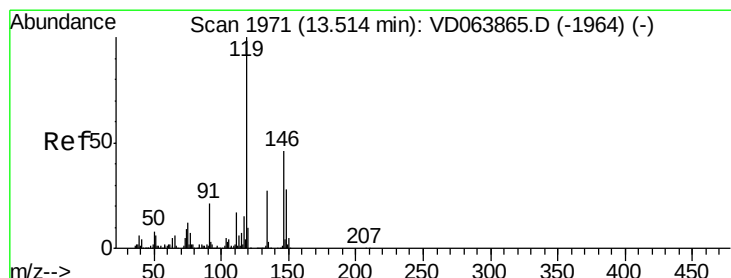
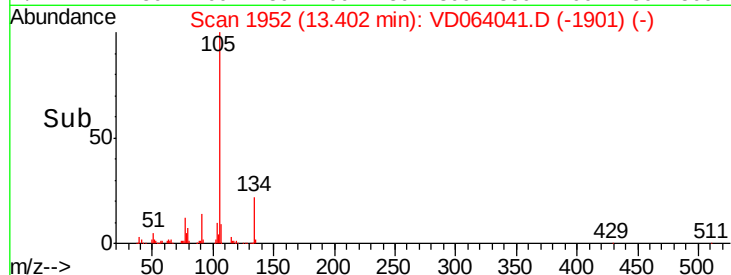
13.40

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.080 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

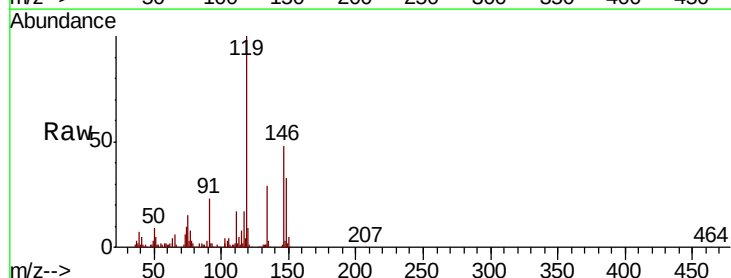
Tgt Ion:119 Resp: 180445

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 22.1 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

13.52

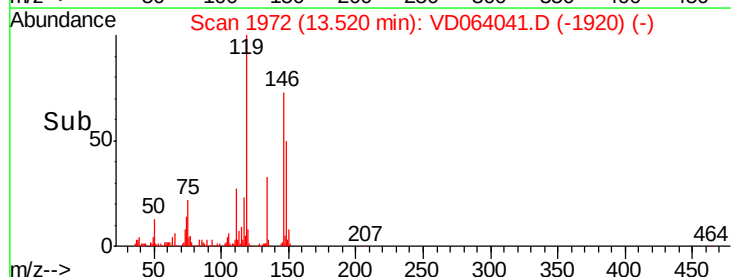
150000

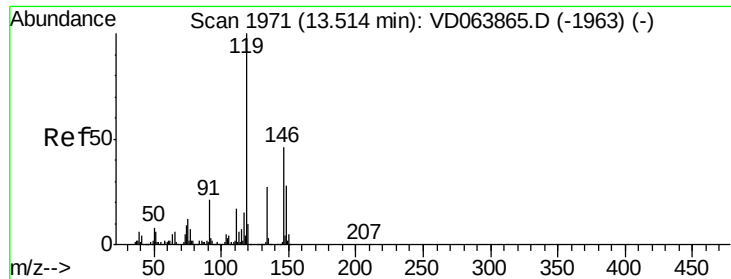
100000

50000

0

Time-->

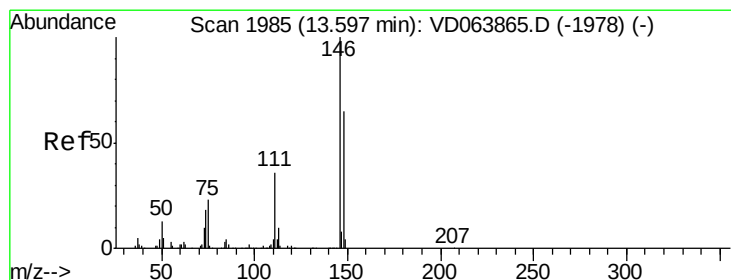
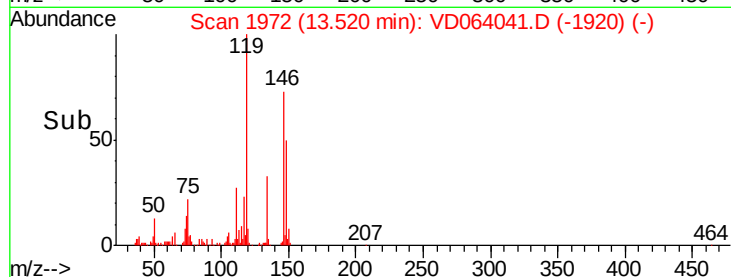
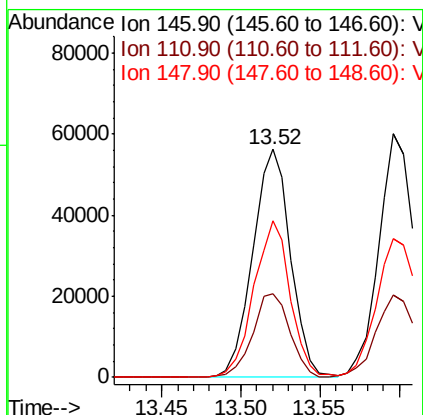
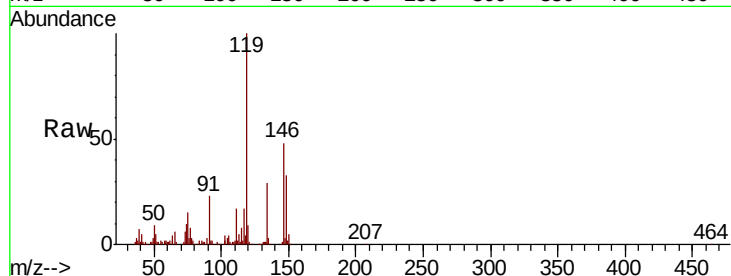




#87
 1,3-Dichlorobenzene
 Concen: 21.962 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

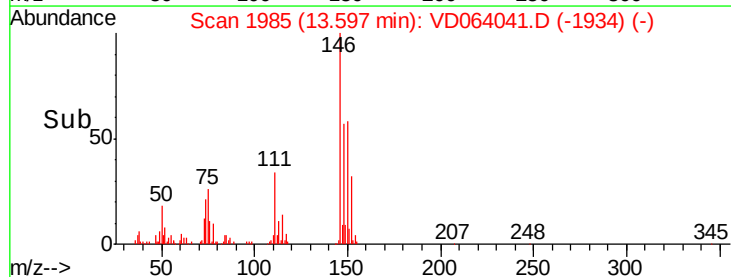
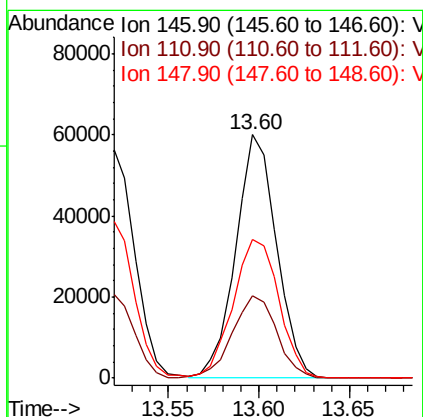
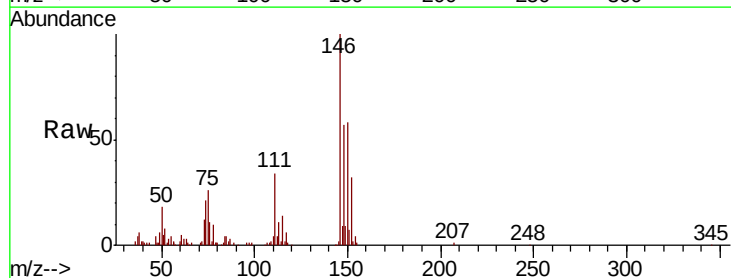
Instrument :
 MSVOA_D
 ClientSampleId :

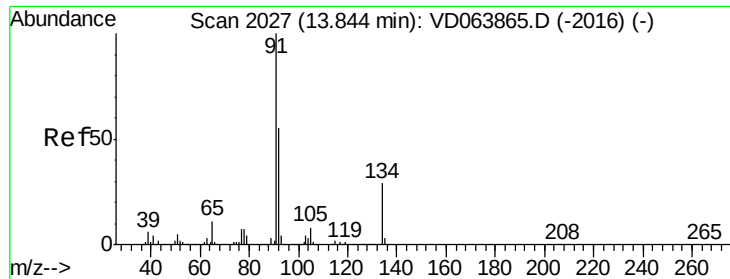
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	66.2	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.479 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	56.0
148	64.2	32.6	98.0

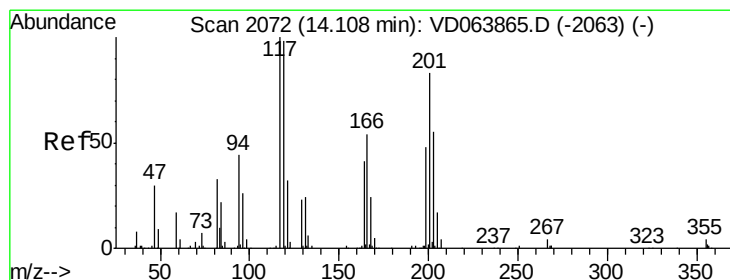
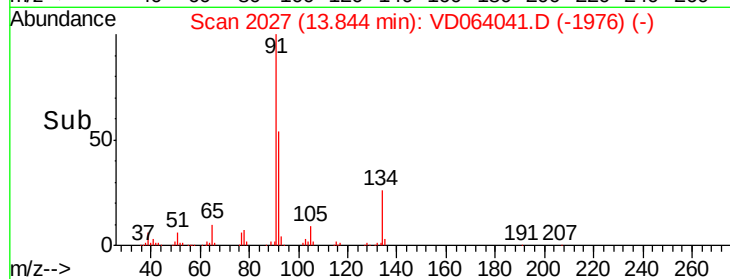
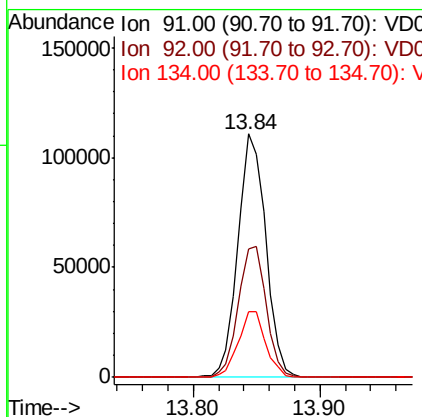
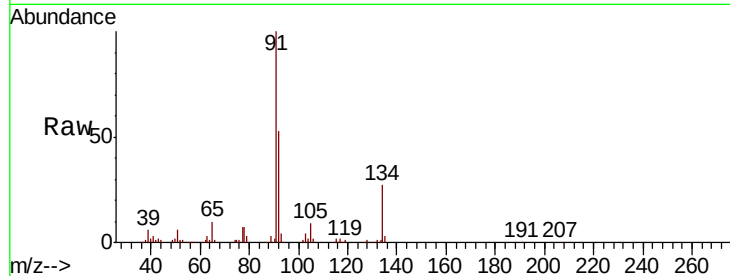




#89
n-Butylbenzene
Concen: 22.141 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

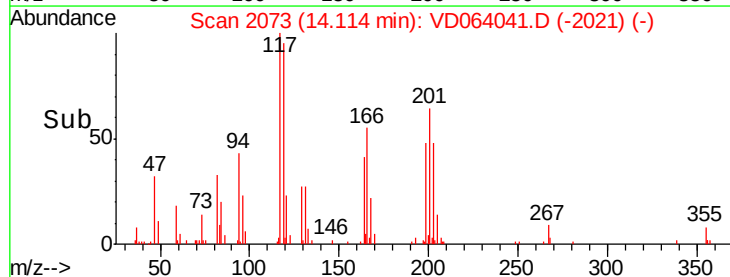
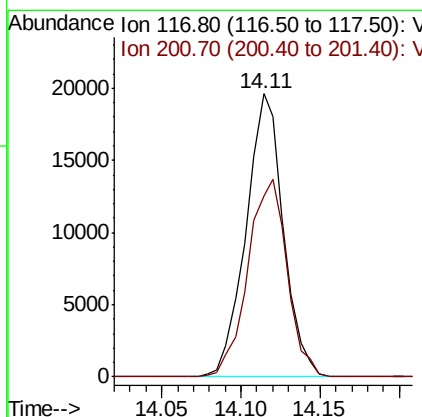
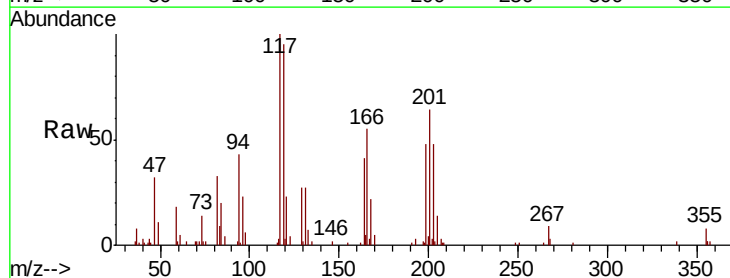
Instrument :
MSVOA_D
ClientSampled :

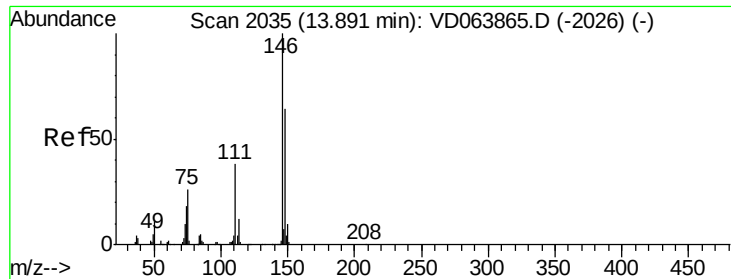
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	26.2	14.4	43.0



#90
Hexachloroethane
Concen: 21.850 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064041.D
Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 22.452 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

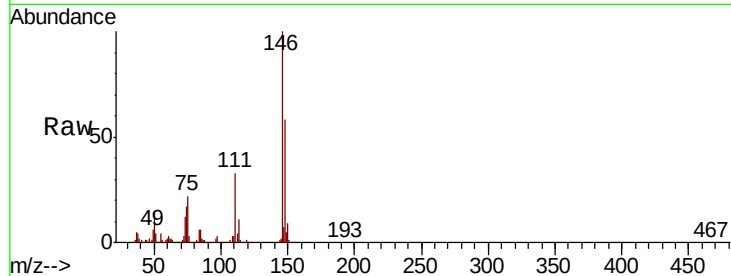
Tot Ion:146 Resp: 82039

Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.6

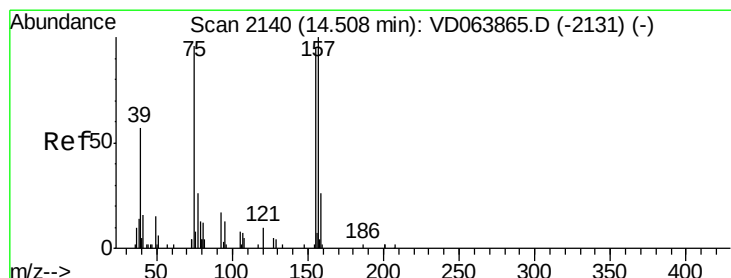
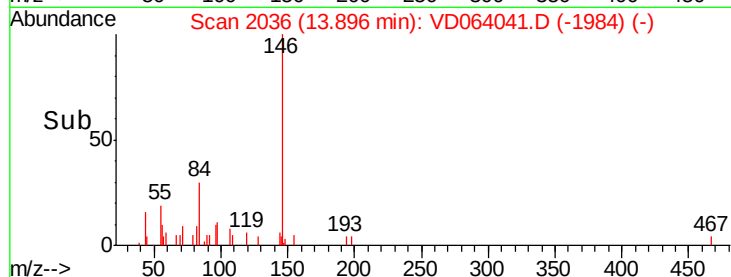
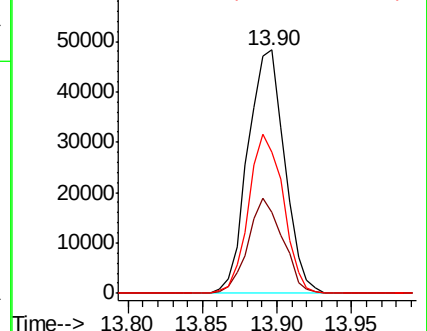
148 61.9 31.6 95.0



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: 20.755 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

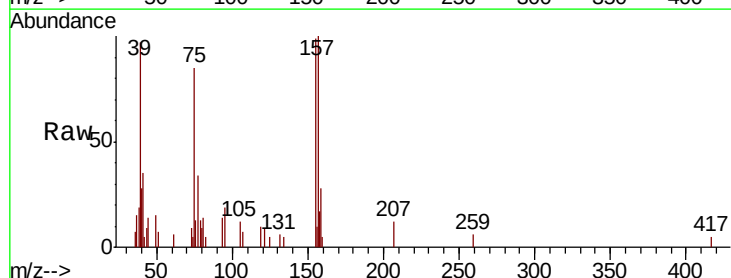
Tgt Ion: 75 Resp: 5168

Ion Ratio Lower Upper

75 100

155 102.7 43.9 131.6

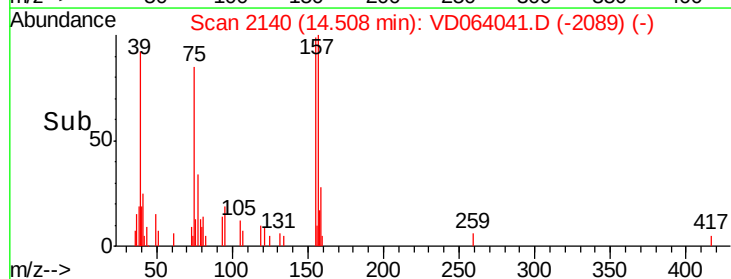
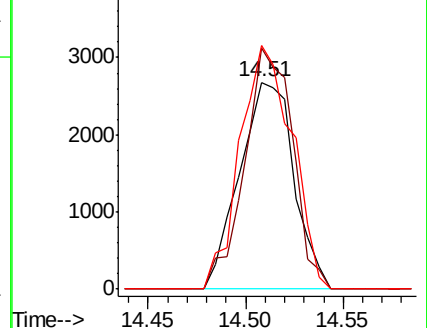
157 112.8 56.0 167.9

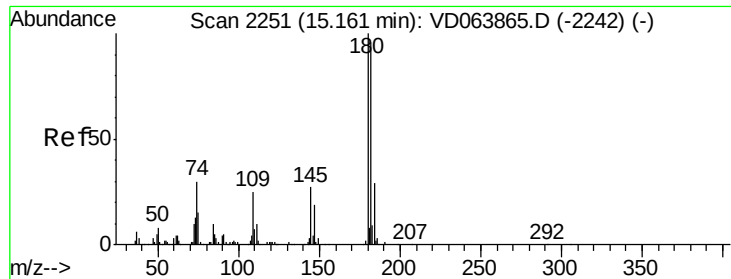


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

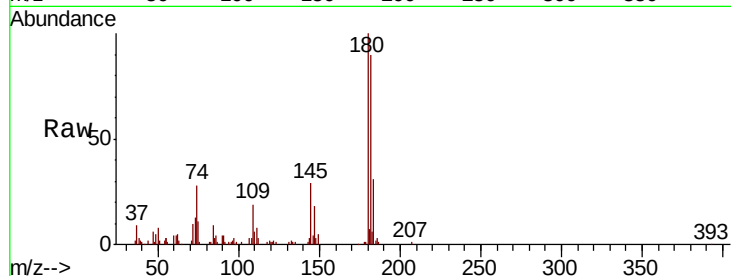




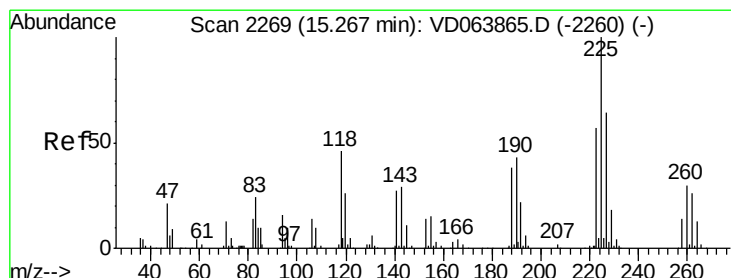
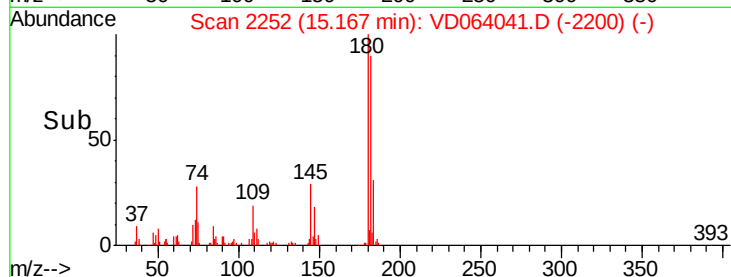
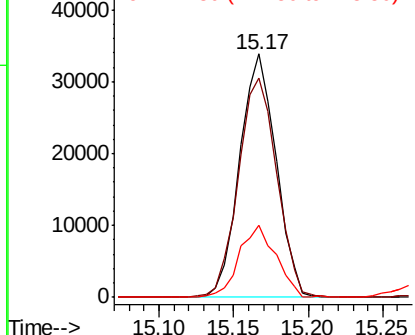
#93
 1,2,4-Trichlorobenzene
 Concen: 20.302 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	29.6	13.9	41.7

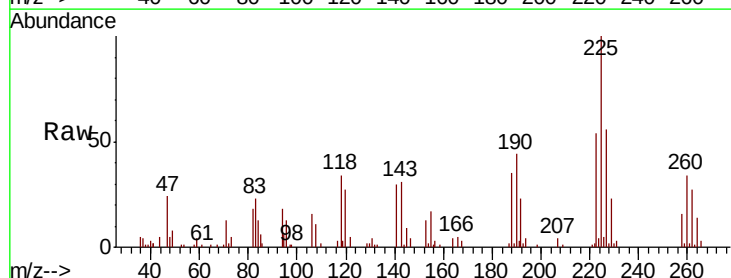


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

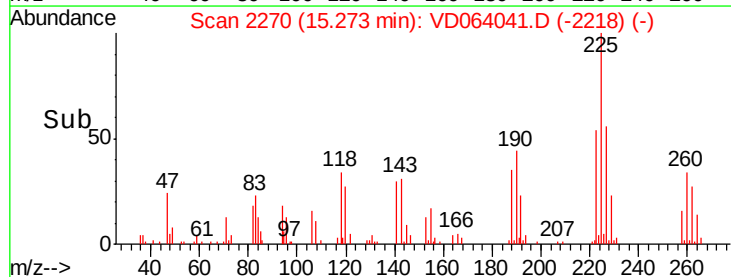
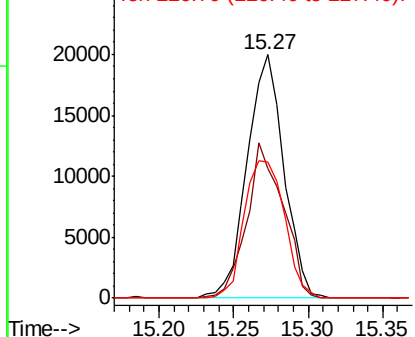


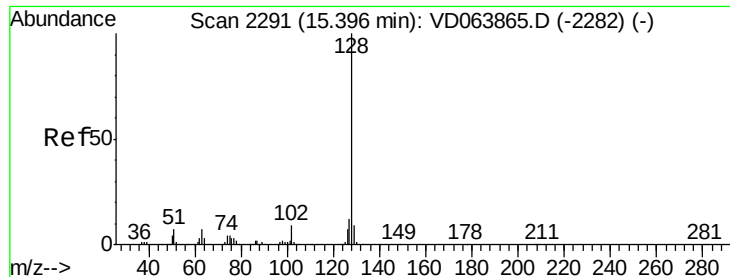
#94
 Hexachlorobutadiene
 Concen: 21.855 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064041.D
 Acq: 24 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	29.5	88.6
227	62.0	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: 20.191 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

Instrument :

MSVOA_D

ClientSampleId :

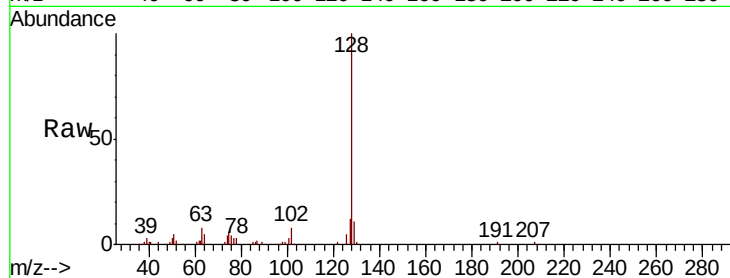
Tot Ion:128 Resp: 95681

Ion Ratio Lower Upper

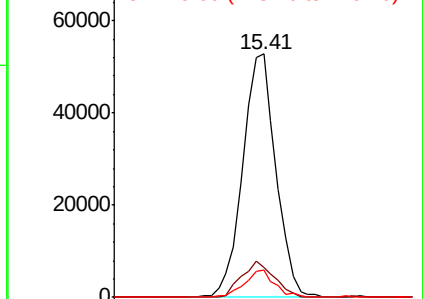
128 100

127 14.5 10.6 16.0

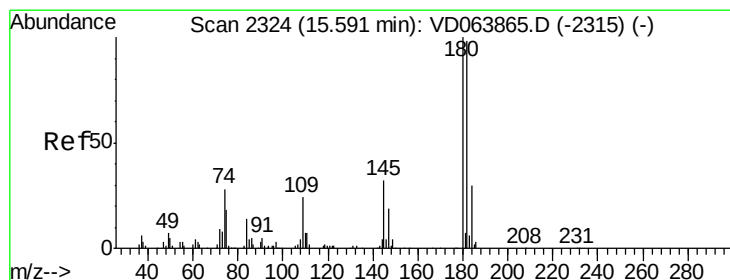
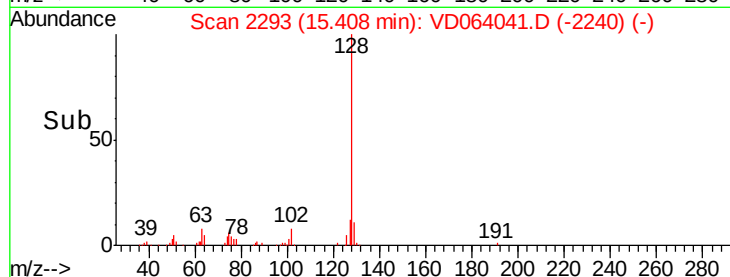
129 10.3 8.6 13.0



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



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 20.980 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD064041.D

Acq: 24 Oct 2019 12:33

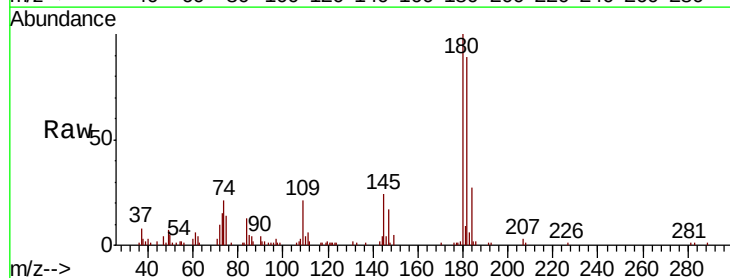
Tgt Ion:180 Resp: 51036

Ion Ratio Lower Upper

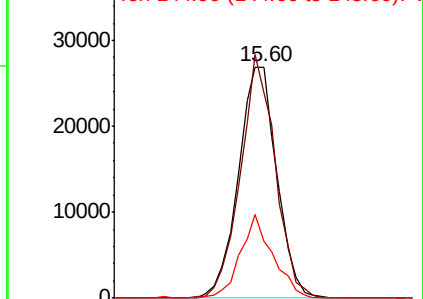
180 100

182 95.5 47.0 141.0

145 30.6 15.3 45.9



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



Time--> 15.50 15.55 15.60 15.65

