

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064081.D
 Acq On : 25 Oct 2019 22:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:08:11 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	117762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	193787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	209726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	125405	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	65653	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
35) Dibromofluoromethane	7.92	113	64202	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	10.34	98	267039	55.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	94183	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.98	85	32493	38.907	ug/l	92
3) Chloromethane	2.21	50	121380	54.171	ug/l	98
4) Vinyl Chloride	2.35	62	133909	49.611	ug/l	99
5) Bromomethane	2.77	94	98258	56.623	ug/l	92
6) Chloroethane	2.93	64	99186	55.564	ug/l #	87
7) Trichlorofluoromethane	3.27	101	205975	57.717	ug/l	99
8) Diethyl Ether	3.70	74	30140	52.618	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	46162	46.730	ug/l	90
10) Methyl Iodide	4.30	142	57267	42.071	ug/l	99
11) Tert butyl alcohol	5.24	59	20661	259.709	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	41668	42.219	ug/l	82
13) Acrolein	3.93	56	25462	248.656	ug/l	93
14) Allyl chloride	4.71	41	85449	52.076	ug/l	98
15) Acrylonitrile	5.43	53	80264	317.825	ug/l	99
16) Acetone	4.17	43	78156	261.832	ug/l #	81
17) Carbon Disulfide	4.40	76	137489	38.323	ug/l #	92
18) Methyl Acetate	4.73	43	40986	70.202	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138907	54.352	ug/l	96
20) Methylene Chloride	4.97	84	72057	54.687	ug/l #	85
21) trans-1,2-Dichloroethene	5.47	96	63314	51.532	ug/l	98
22) Diisopropyl ether	6.37	45	210498	62.814	ug/l	96
23) Vinyl Acetate	6.31	43	605108	303.532	ug/l	98
24) 1,1-Dichloroethane	6.27	63	119292	57.792	ug/l	93
25) 2-Butanone	7.22	43	105438	298.057	ug/l	98
26) 2,2-Dichloropropane	7.21	77	86755	46.462	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	72344	52.022	ug/l	94
28) Bromochloromethane	7.55	49	51839	65.457	ug/l	96
29) Tetrahydrofuran	7.58	42	61803	299.320	ug/l	99
30) Chloroform	7.72	83	128090	57.134	ug/l	99
31) Cyclohexane	7.99	56	92434	54.523	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	103200	53.662	ug/l	99
36) 1,1-Dichloropropene	8.11	75	91002	51.360	ug/l	98
37) Ethyl Acetate	7.31	43	42514	60.691	ug/l	97
38) Carbon Tetrachloride	8.10	117	88130	49.220	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	102566	47.079	ug/l	94
40) Benzene	8.35	78	293376	57.779	ug/l	98
41) Methacrylonitrile	7.53	41	28482	69.334	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	88572	60.304	ug/l	100
43) Isopropyl Acetate	8.46	43	82805	55.726	ug/l	99
44) Trichloroethene	9.12	130	75603	51.635	ug/l	97
45) 1,2-Dichloropropane	9.40	63	74826	60.207	ug/l	92
46) Dibromomethane	9.48	93	43932	62.069	ug/l	99
47) Bromodichloromethane	9.67	83	106094	58.219	ug/l	96
48) Methyl methacrylate	9.46	41	38958	54.720	ug/l	93
49) 1,4-Dioxane	9.47	88	11905	1232.224	ug/l	93
51) 4-Methyl-2-Pentanone	10.24	43	227114	294.710	ug/l	96
52) Toluene	10.41	92	202323	58.045	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	101100	56.854	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	120279	58.760	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	61005	61.043	ug/l	97
56) Ethyl methacrylate	10.67	69	72254	57.092	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104006	60.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	152667	280.643	ug/l	97
59) 2-Hexanone	10.99	43	168810	302.822	ug/l	100
60) Dibromochloromethane	11.14	129	80445	61.829	ug/l	98
61) 1,2-Dibromoethane	11.25	107	61557	63.535	ug/l	99
64) Tetrachloroethene	10.88	164	78030	54.500	ug/l	95
65) Chlorobenzene	11.67	112	237849	56.471	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	89256	57.511	ug/l	96
67) Ethyl Benzene	11.75	91	407436	53.647	ug/l	99
68) m/p-Xylenes	11.86	106	327850	111.840	ug/l	98
69) o-Xylene	12.18	106	154259	54.956	ug/l	97
70) Styrene	12.20	104	273115	57.476	ug/l	98
71) Bromoform	12.37	173	53128	63.787	ug/l #	97
73) Isopropylbenzene	12.48	105	403256	47.834	ug/l	97
74) N-amyl acetate	12.30	43	83910	46.230	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	74011	50.451	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	94655	112.694	ug/l #	100
77) Bromobenzene	12.77	156	108920	51.858	ug/l	97
78) n-propylbenzene	12.83	91	489912	49.509	ug/l	100
79) 2-Chlorotoluene	12.91	91	275836	50.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	354262	50.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	22356	47.101	ug/l	96
82) 4-Chlorotoluene	13.01	91	290119	50.123	ug/l	99
83) tert-Butylbenzene	13.23	119	312869	49.984	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	369060	50.899	ug/l	98
85) sec-Butylbenzene	13.41	105	424371	50.203	ug/l	99
86) p-Isopropyltoluene	13.52	119	410270	51.291	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	223151	53.770	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	217281	53.070	ug/l	97
89) n-Butylbenzene	13.85	91	371682	49.920	ug/l	99
90) Hexachloroethane	14.11	117	74198	51.575	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	196577	54.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11913	52.383	ug/l	85

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QLast Update : Sat Oct 05 03:51:17 2019
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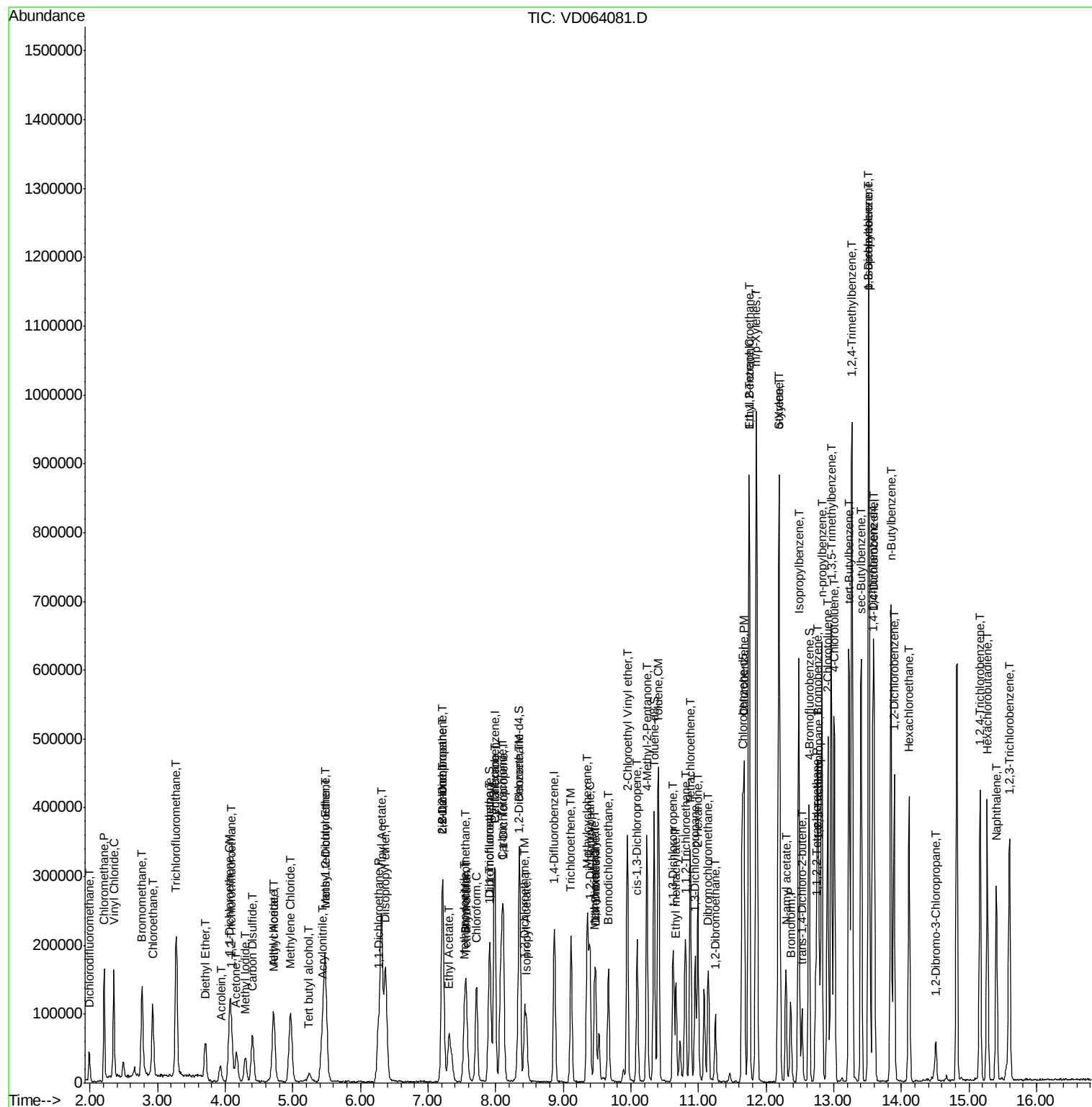
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141422	51.247	ug/l	99
94) Hexachlorobutadiene	15.27	225	74609	48.993	ug/l	93
95) Naphthalene	15.41	128	249458	53.782	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	123986	52.073	ug/l	98

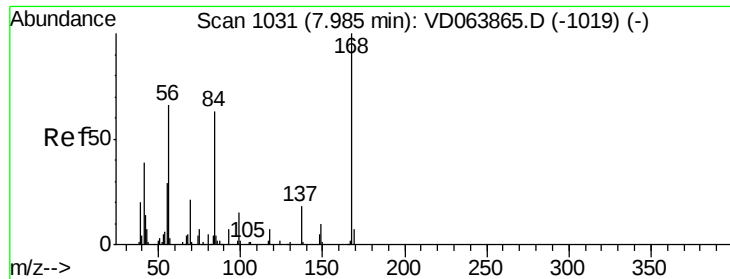
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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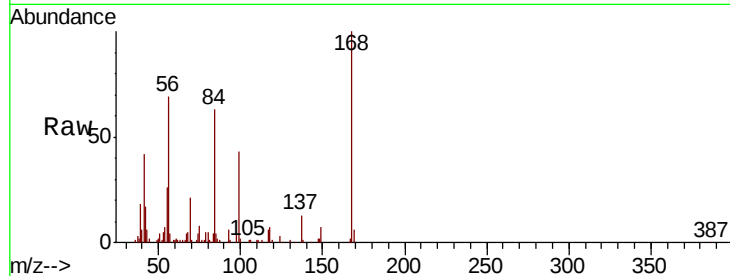




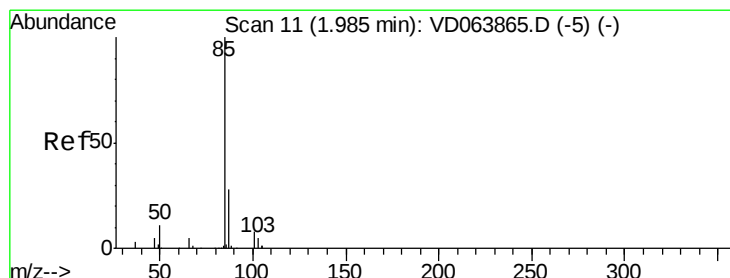
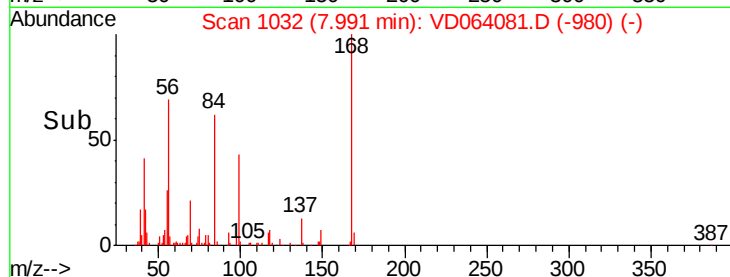
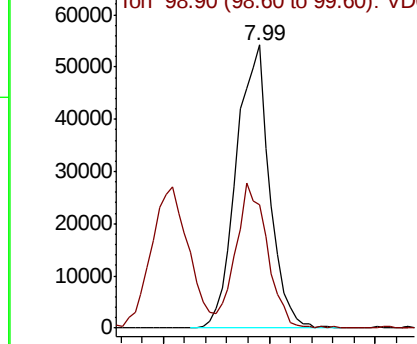
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 117762
Ion Ratio Lower Upper
168 100
99 43.4 43.0 64.4

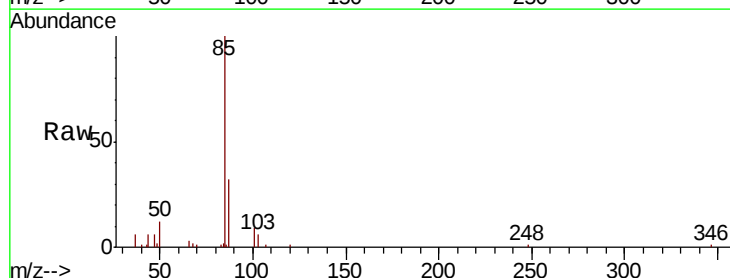


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

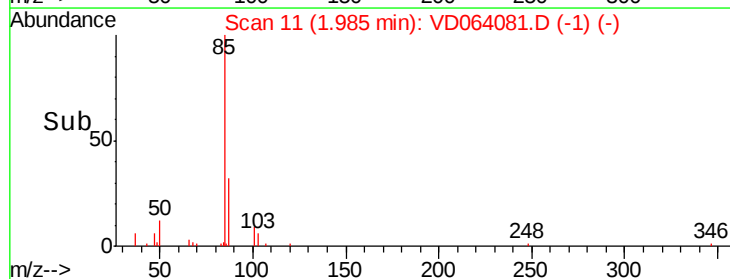
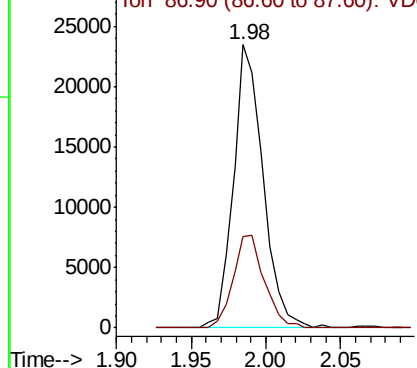


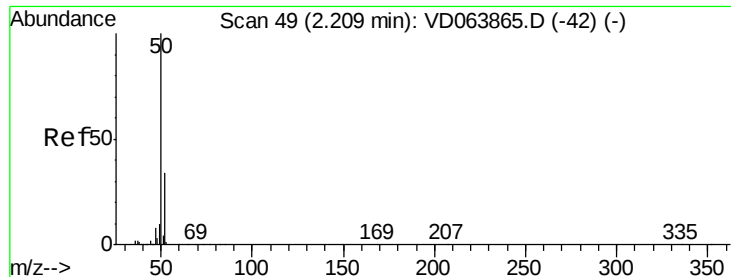
#2
Dichlorodifluoromethane
Concen: 38.907 ug/l
RT: 1.98 min Scan# 11
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 85 Resp: 32493
Ion Ratio Lower Upper
85 100
87 32.2 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: 54.171 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

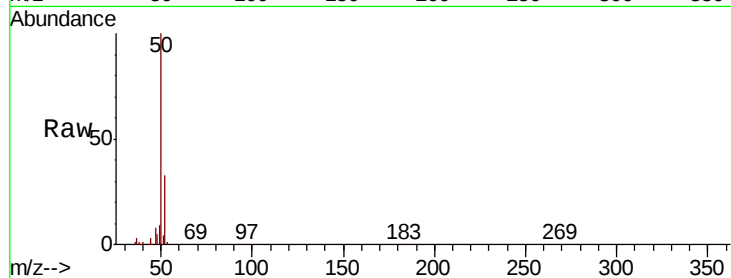
ClientSampleId :

Tot Ion: 50 Resp: 121380

Ion Ratio Lower Upper

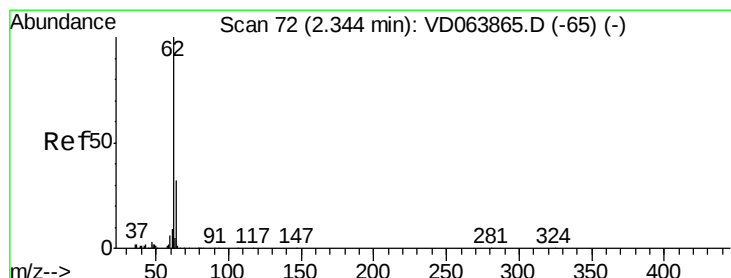
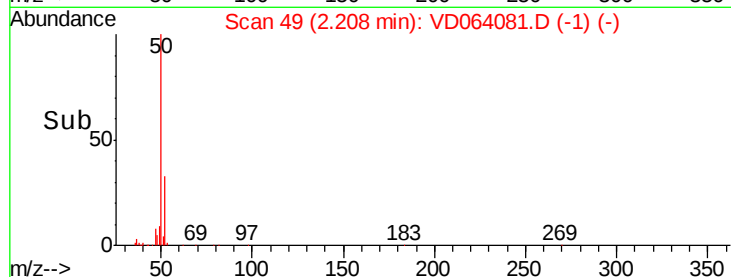
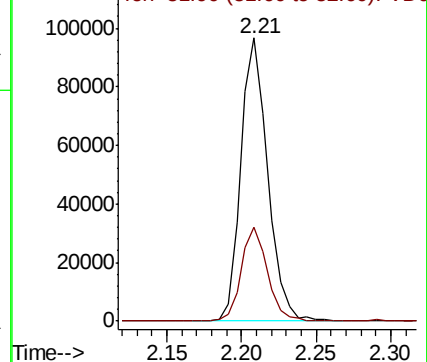
50 100

52 33.0 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.611 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064081.D

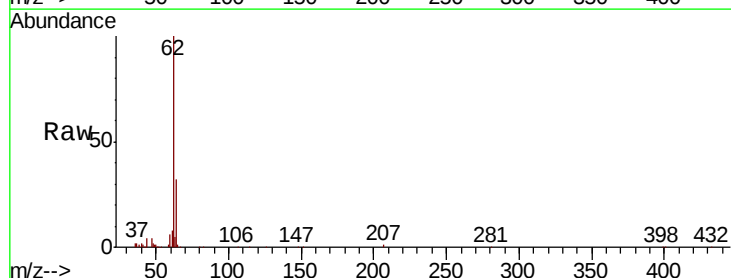
Acq: 25 Oct 2019 22:40

Tgt Ion: 62 Resp: 133909

Ion Ratio Lower Upper

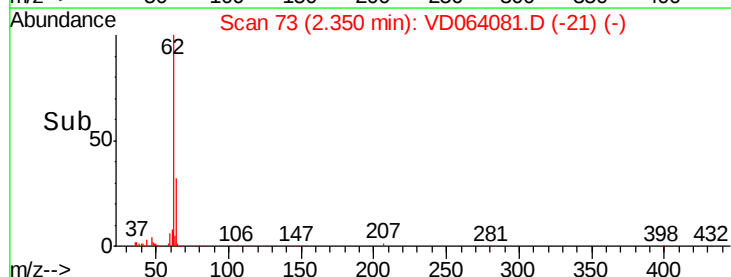
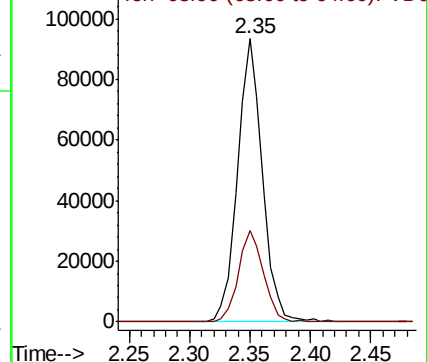
62 100

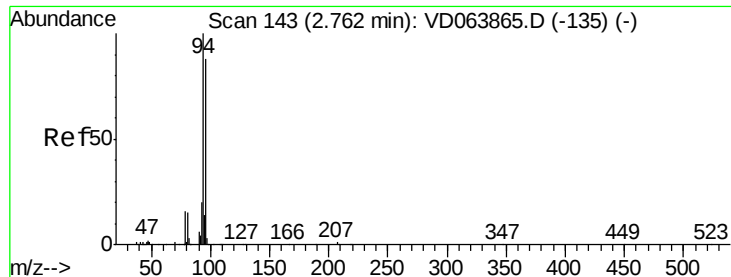
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.623 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

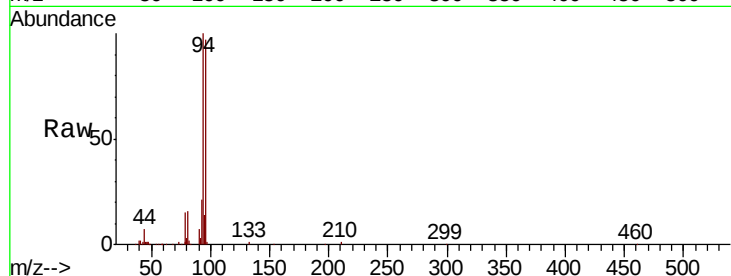
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 98258

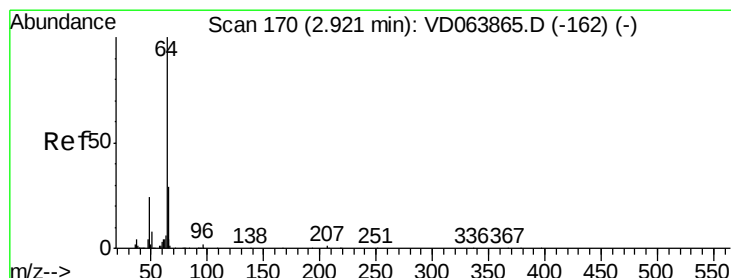
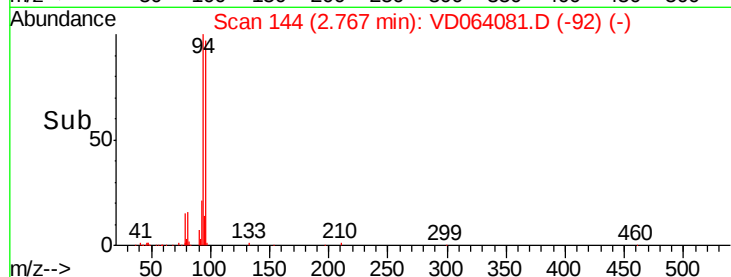
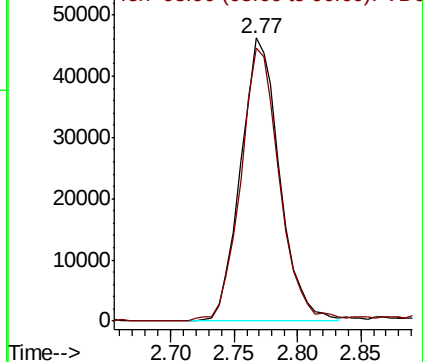
Ion Ratio Lower Upper

94 100

96 96.3 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: 55.564 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064081.D

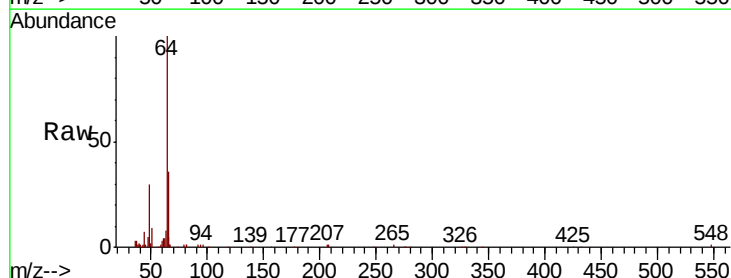
Acq: 25 Oct 2019 22:40

Tgt Ion: 64 Resp: 99186

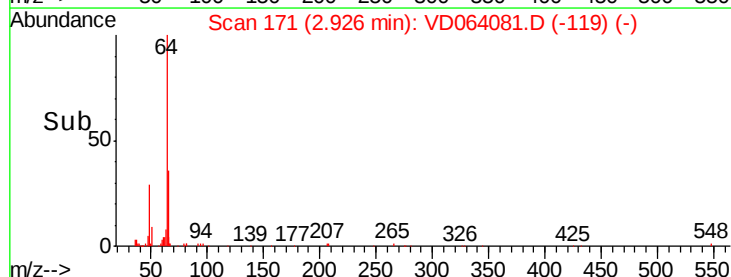
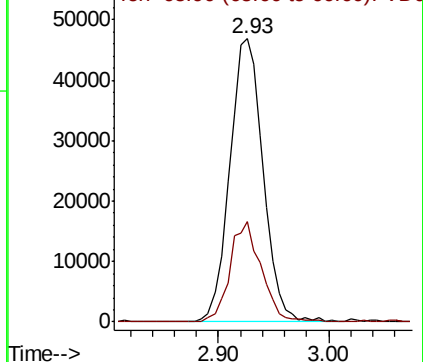
Ion Ratio Lower Upper

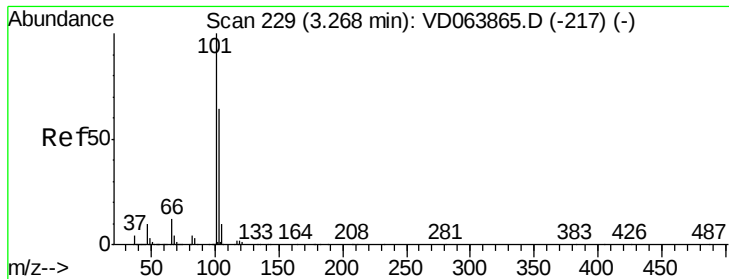
64 100

66 35.5 23.0 34.4#



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



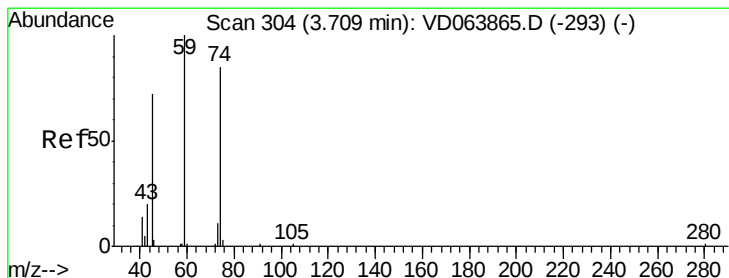
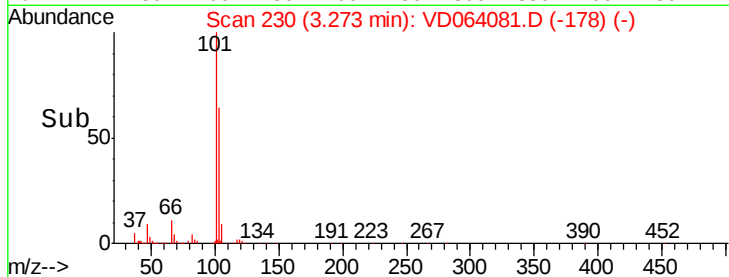
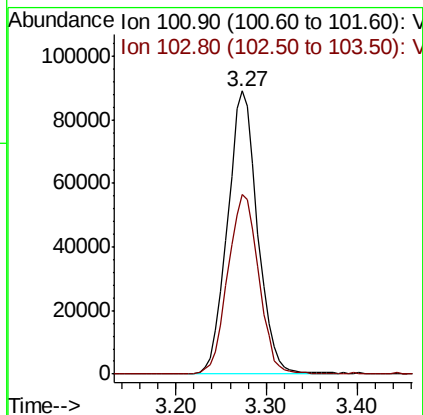
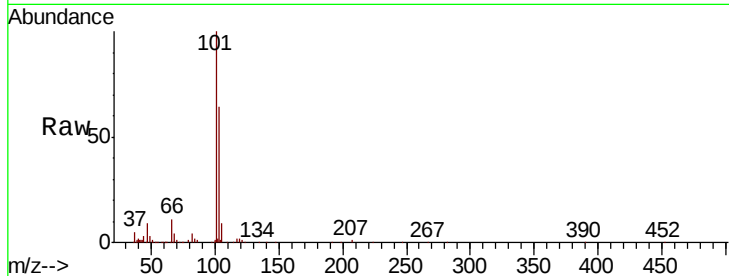


#7

Trichlorofluoromethane
 Concen: 57.717 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
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 ClientSampleId :

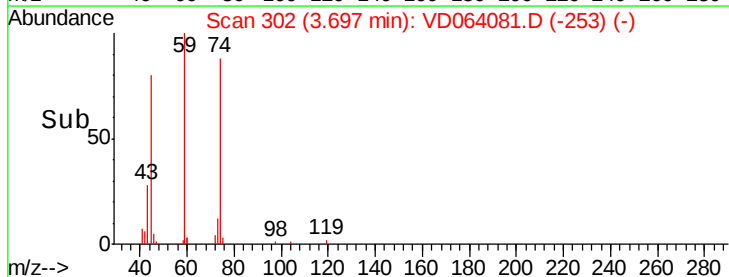
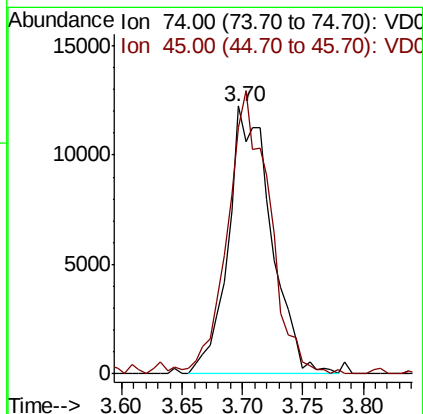
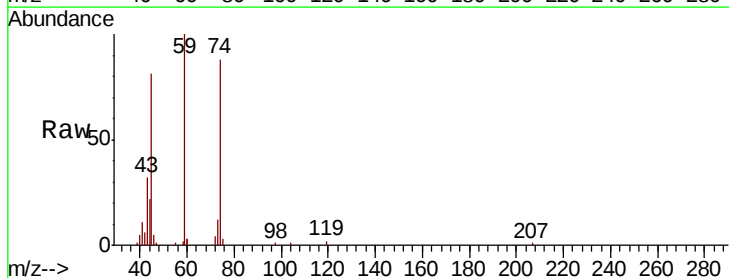
Tot Ion:101 Resp: 205975
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.1 76.7

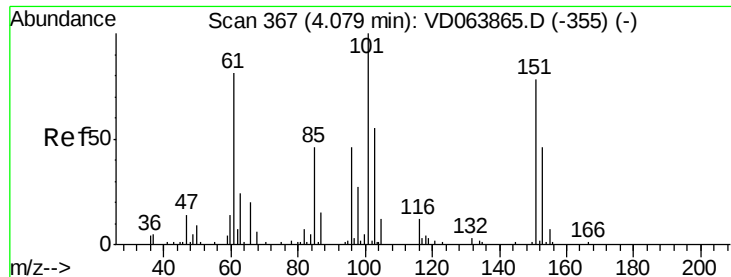


#8

Diethyl Ether
 Concen: 52.618 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 74 Resp: 30140
 Ion Ratio Lower Upper
 74 100
 45 103.5 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.730 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

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ClientSampleId :

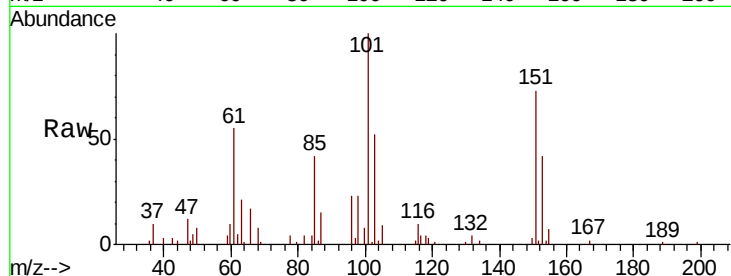
Tot Ion:101 Resp: 46162

Ion Ratio Lower Upper

101 100

85 47.1 37.5 56.3

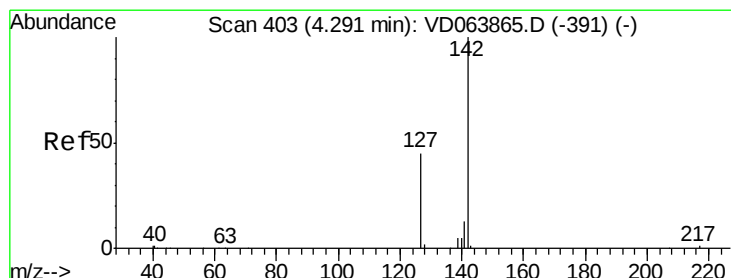
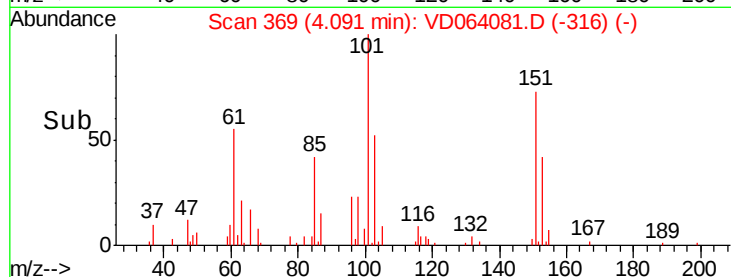
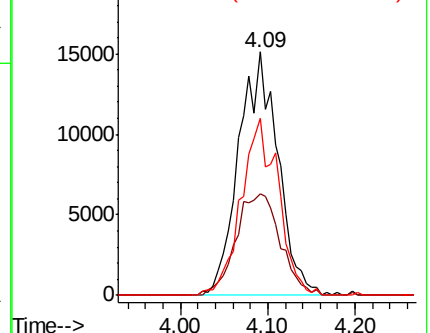
151 68.5 65.5 98.3



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: 42.071 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

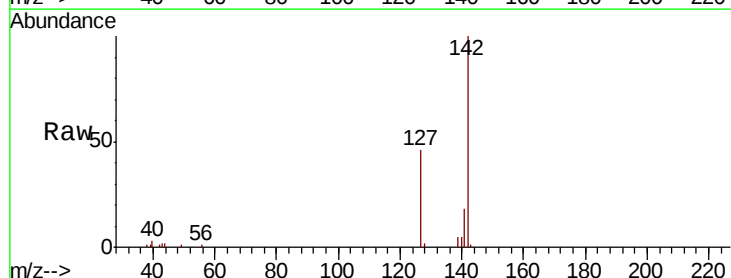
Tgt Ion:142 Resp: 57267

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

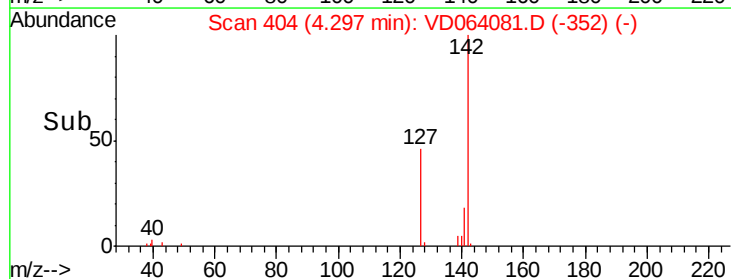
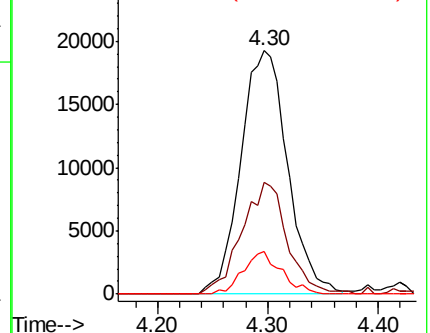
141 14.3 12.2 18.2

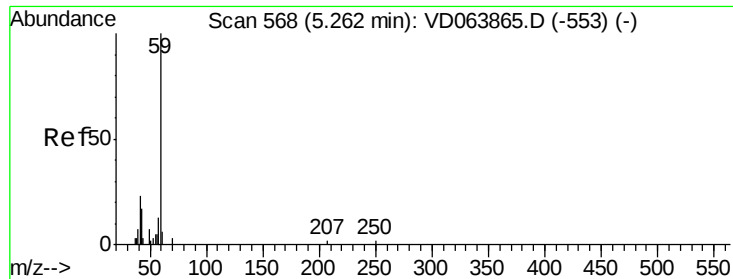


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



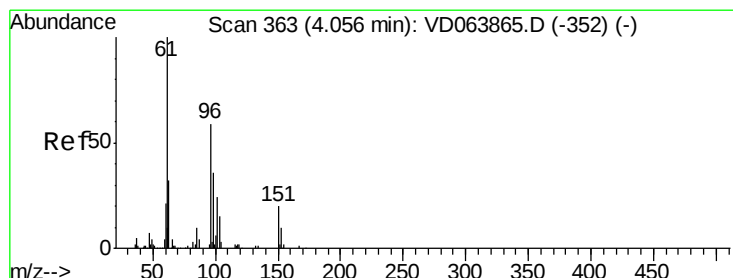
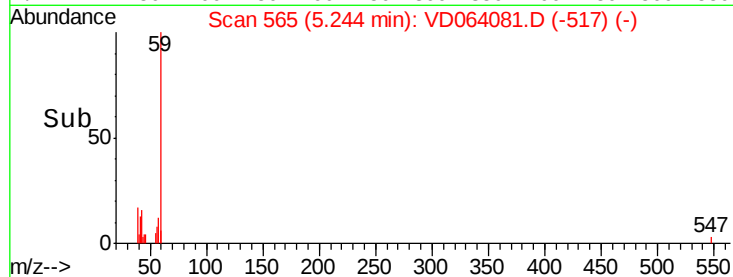
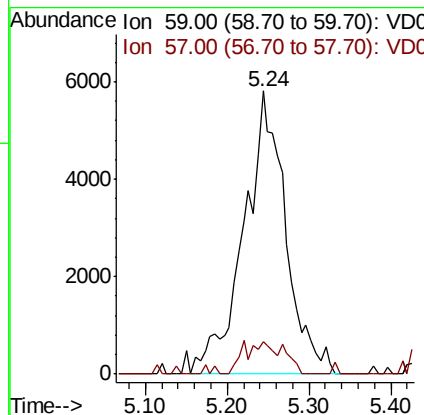
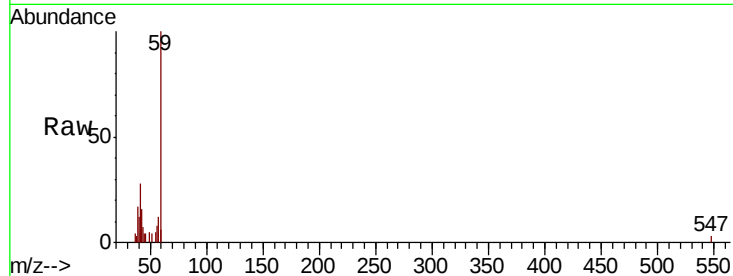


#11

Tert butyl alcohol
 Concen: 259.709 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :

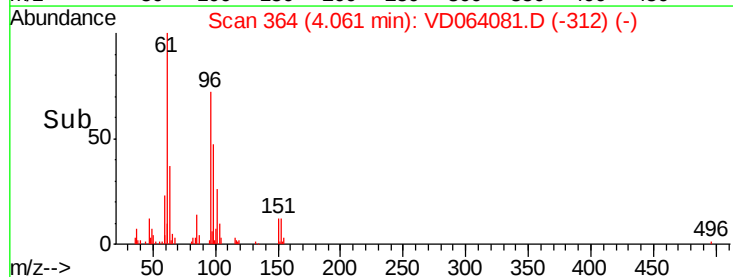
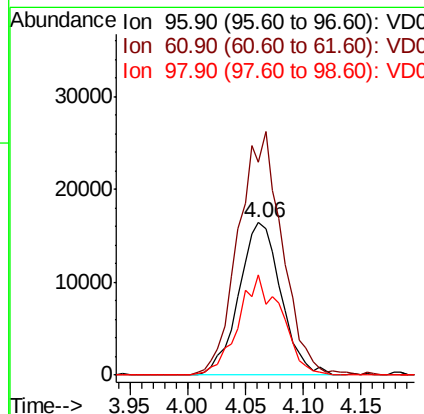
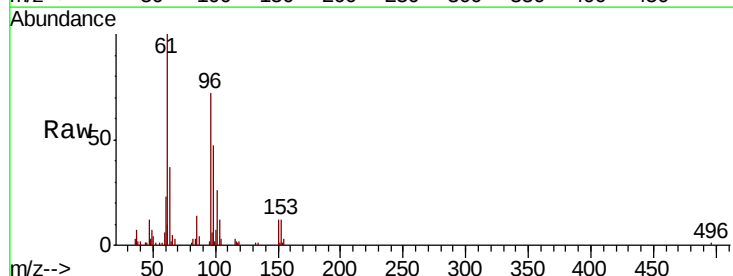
Tot Ion: 59 Resp: 20661
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

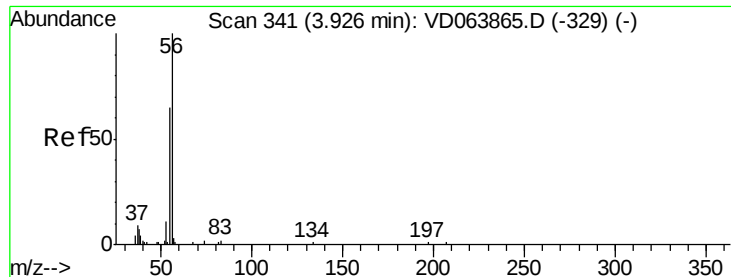


#12

1,1-Dichloroethene
 Concen: 42.219 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 96 Resp: 41668
 Ion Ratio Lower Upper
 96 100
 61 139.7 135.6 203.4
 98 66.1 49.2 73.8

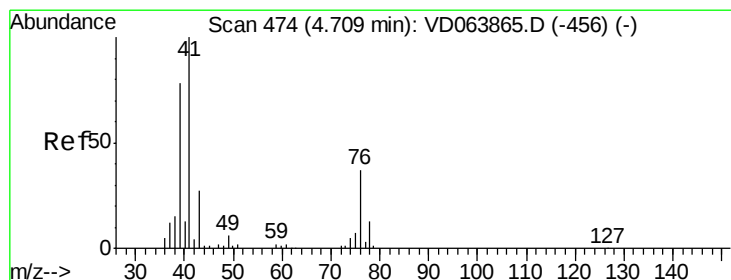
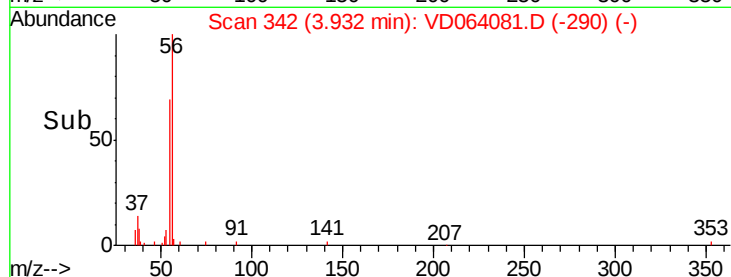
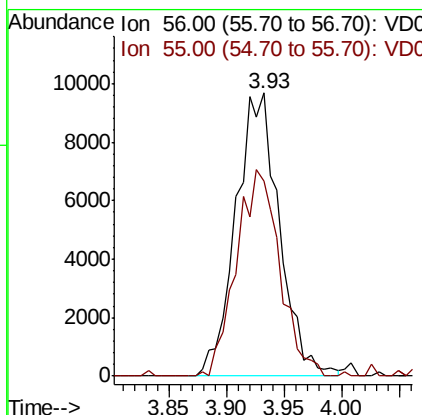
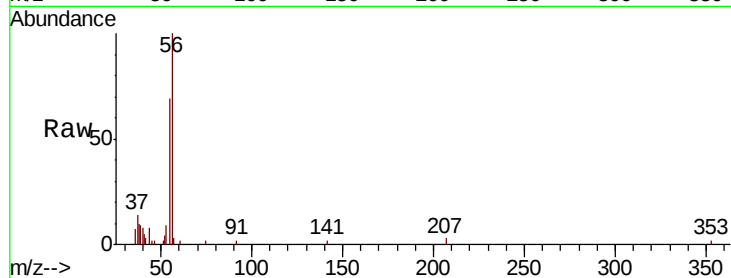




#13
 Acrolein
 Concen: 248.656 ug/l
 RT: 3.93 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

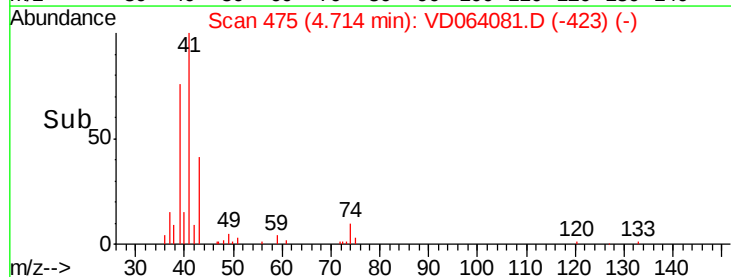
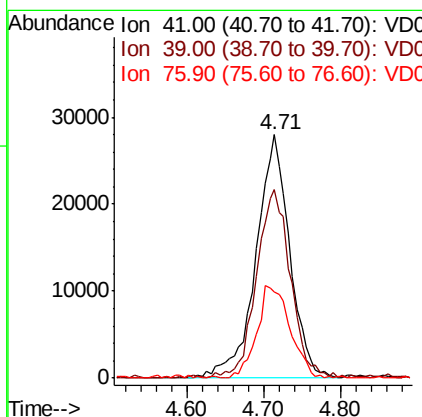
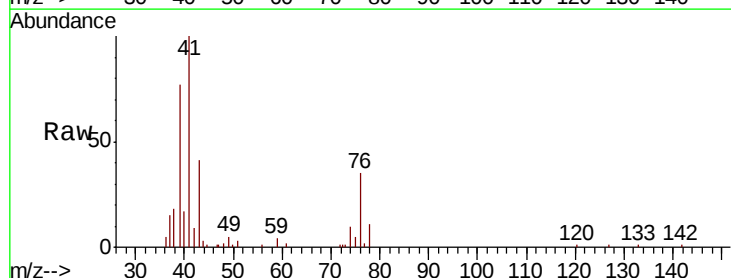
Instrument :
 MSVOA_D
 ClientSampled :

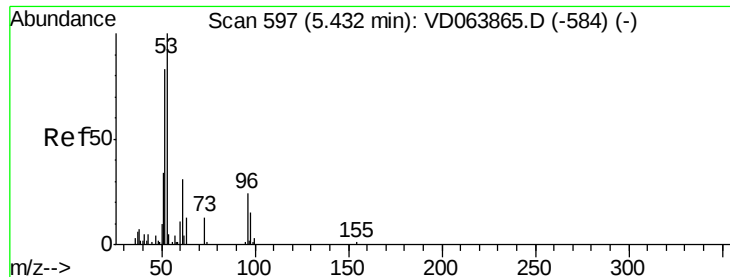
Tot Ion: 56 Resp: 25462
 Ion Ratio Lower Upper
 56 100
 55 72.3 53.0 79.6



#14
 Allyl chloride
 Concen: 52.076 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 41 Resp: 85449
 Ion Ratio Lower Upper
 41 100
 39 78.4 61.8 92.6
 76 37.2 31.3 46.9





#15

Acrylonitrile

Concen: 317.825 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

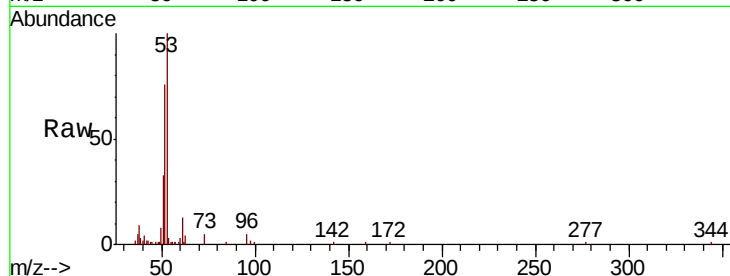
Tot Ion: 53 Resp: 80264

Ion Ratio Lower Upper

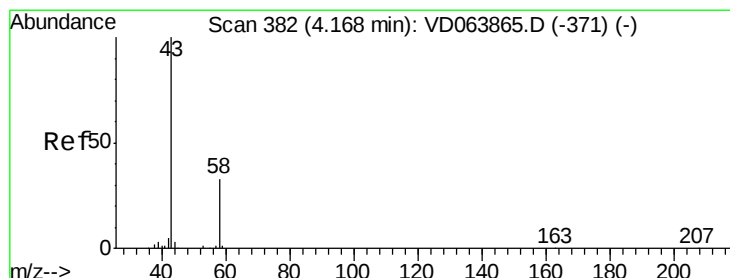
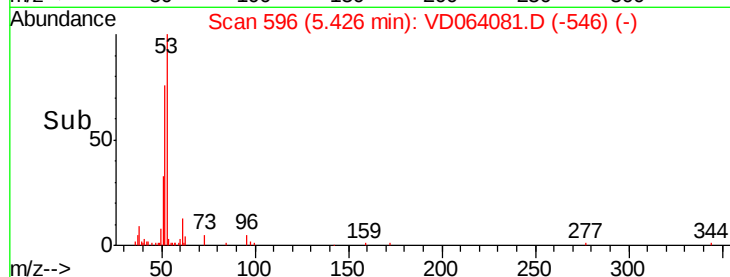
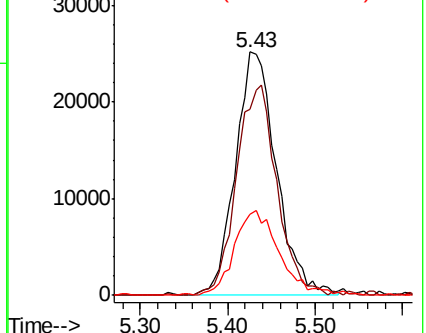
53 100

52 85.0 67.3 100.9

51 36.9 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: 261.832 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064081.D

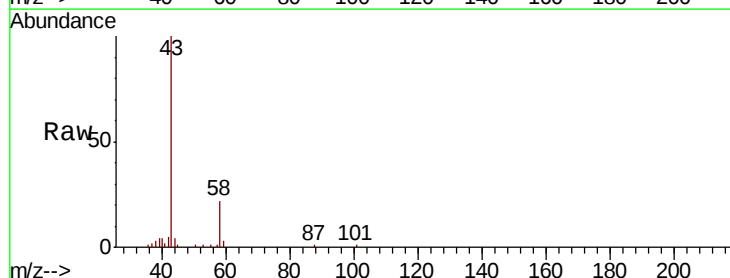
Acq: 25 Oct 2019 22:40

Tgt Ion: 43 Resp: 78156

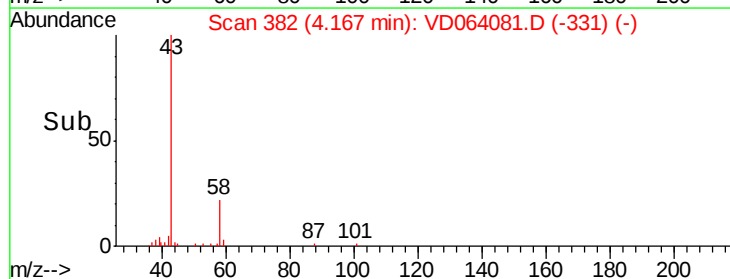
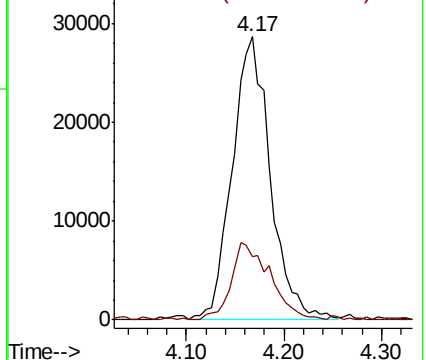
Ion Ratio Lower Upper

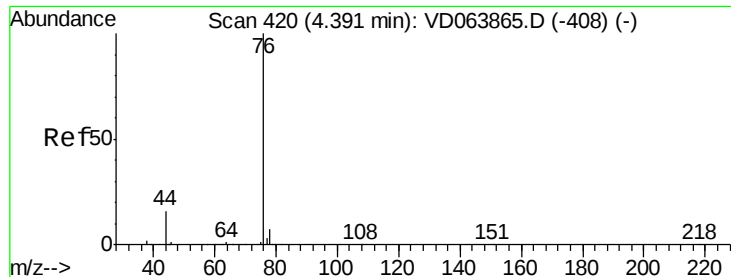
43 100

58 22.3 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: 38.323 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

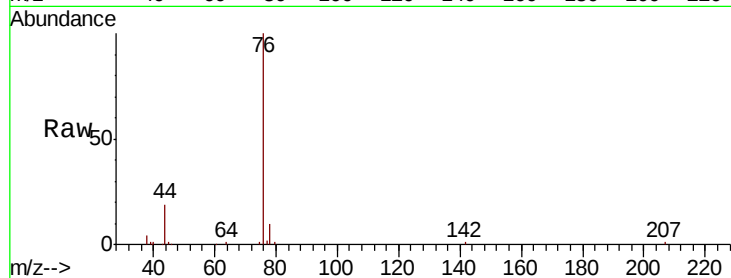
ClientSampleId :

Tot Ion: 76 Resp: 137489

Ion Ratio Lower Upper

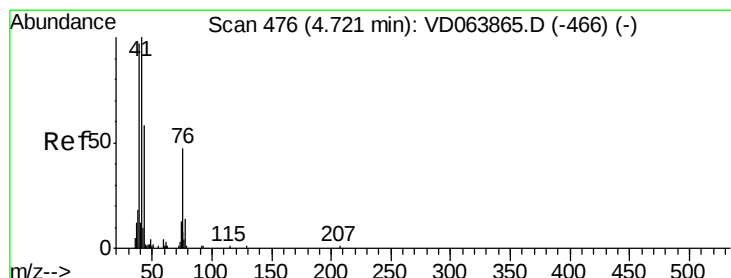
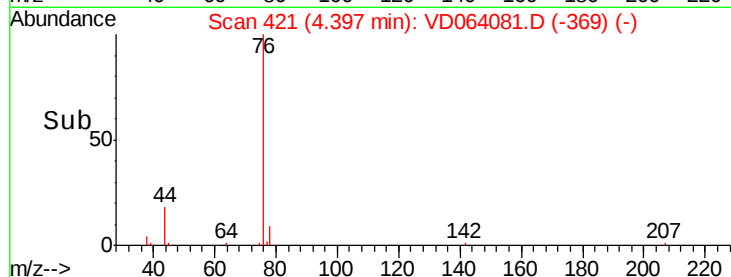
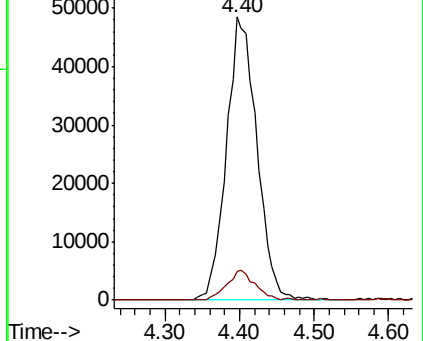
76 100

78 10.1 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: 70.202 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064081.D

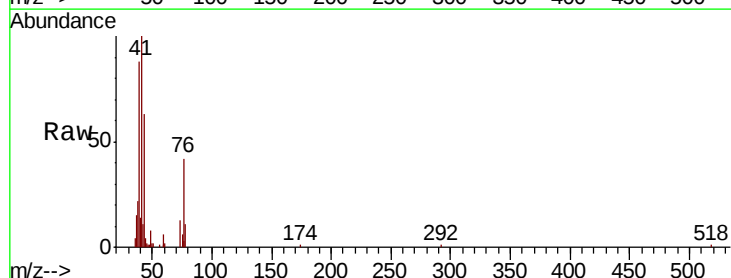
Acq: 25 Oct 2019 22:40

Tgt Ion: 43 Resp: 40986

Ion Ratio Lower Upper

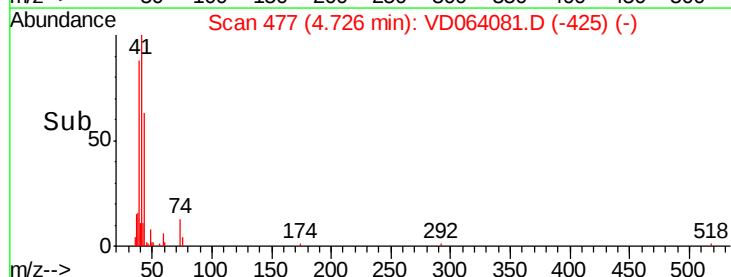
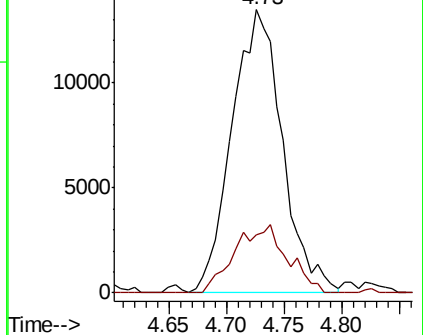
43 100

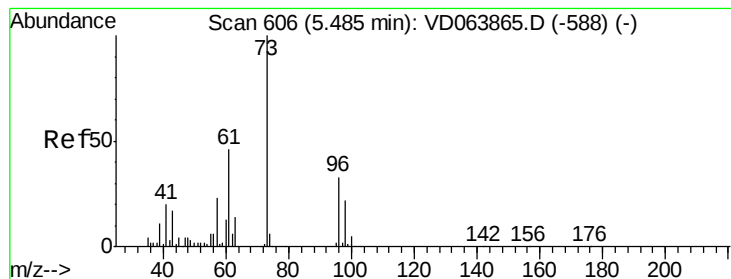
74 24.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



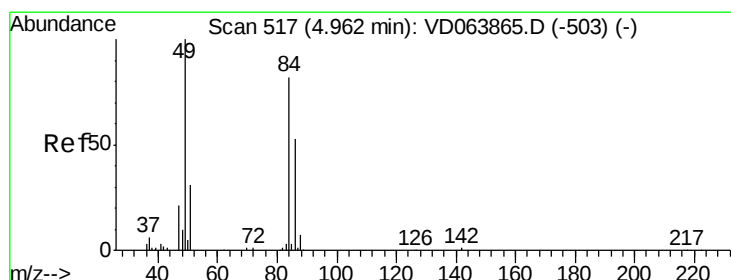
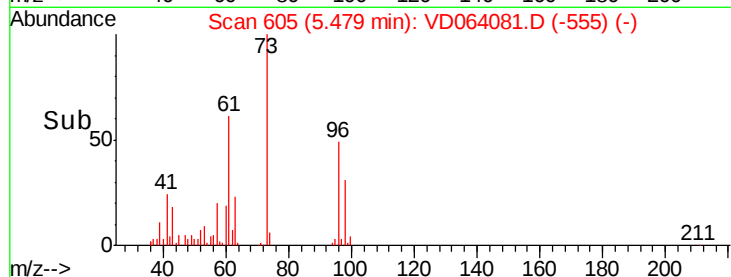
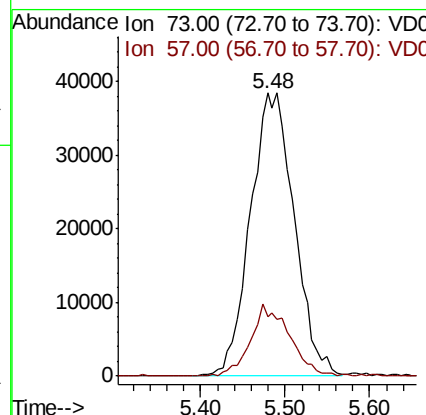
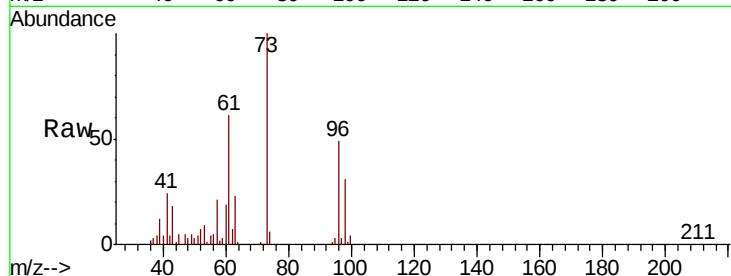


#19

Methyl tert-butyl Ether
 Concen: 54.352 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleID :

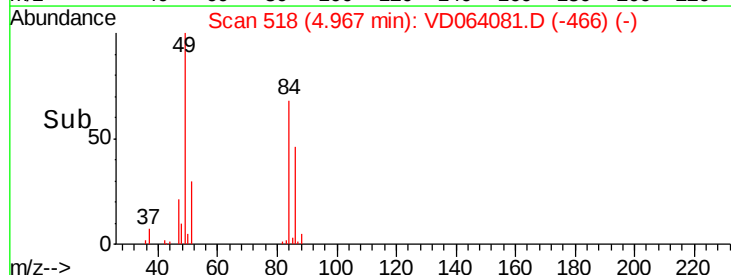
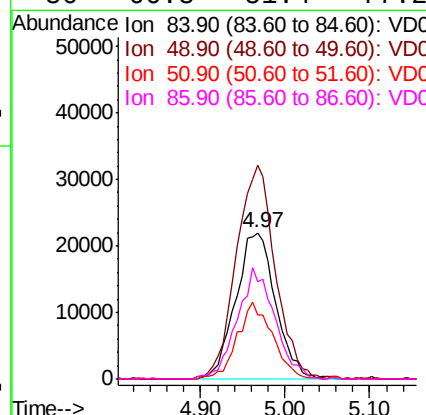
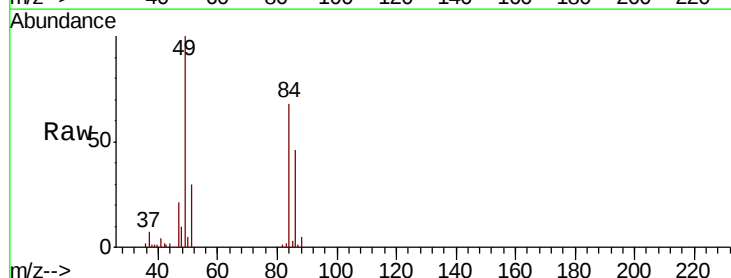
Tot Ion: 73 Resp: 138907
 Ion Ratio Lower Upper
 73 100
 57 20.8 18.1 27.1

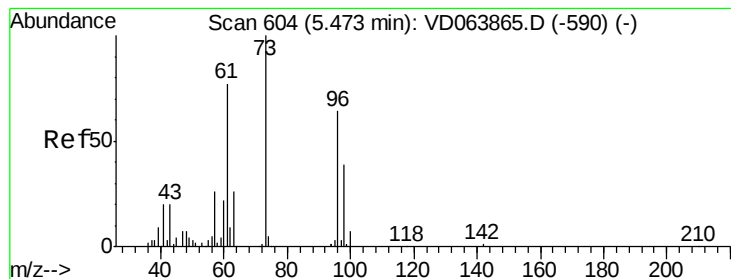


#20

Methylene Chloride
 Concen: 54.687 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 84 Resp: 72057
 Ion Ratio Lower Upper
 84 100
 49 146.1 97.3 145.9#
 51 44.0 30.1 45.1
 86 66.8 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 51.532 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

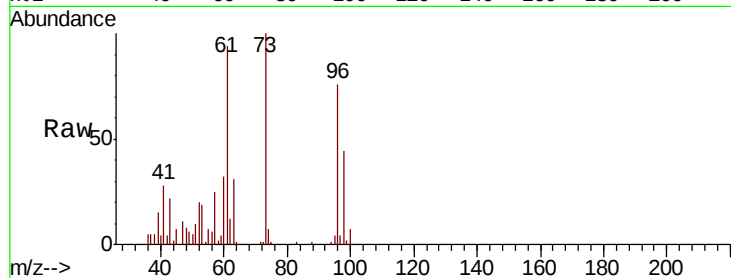
Tot Ion: 96 Resp: 63314

Ion Ratio Lower Upper

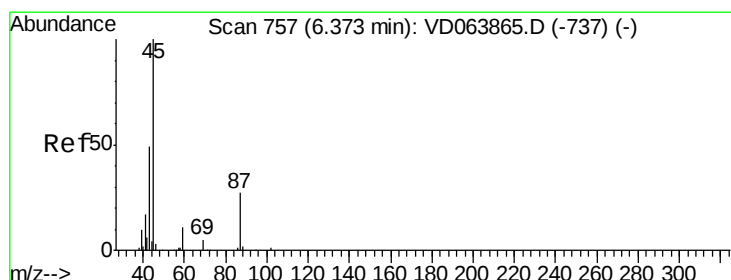
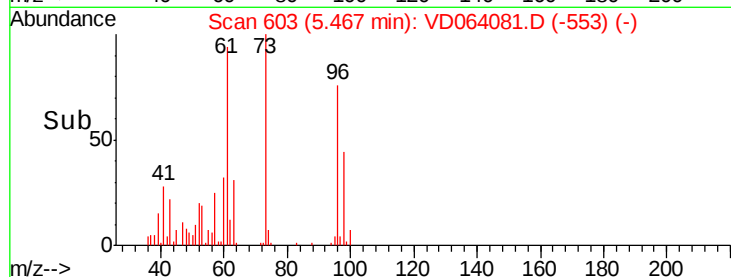
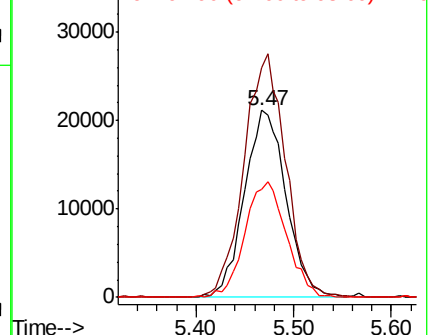
96 100

61 122.7 96.6 145.0

98 58.0 48.7 73.1



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



#22

Diisopropyl ether

Concen: 62.814 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion: 45 Resp: 210498

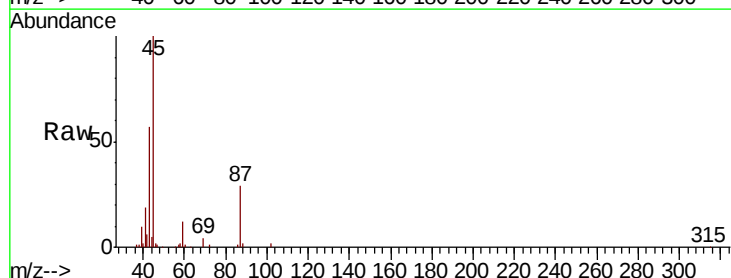
Ion Ratio Lower Upper

45 100

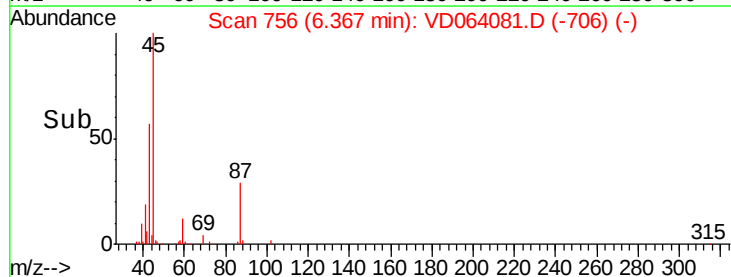
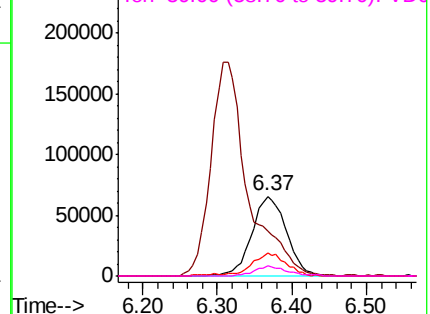
43 56.1 41.2 61.8

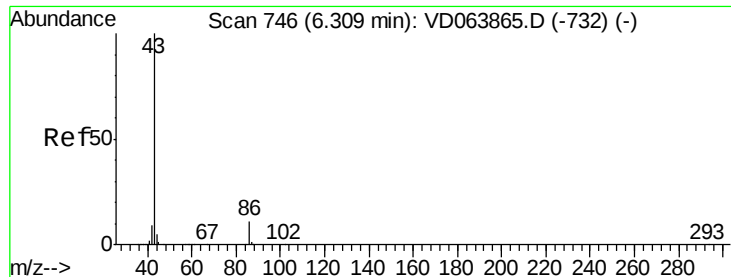
87 28.5 22.2 33.4

59 12.0 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 303.532 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

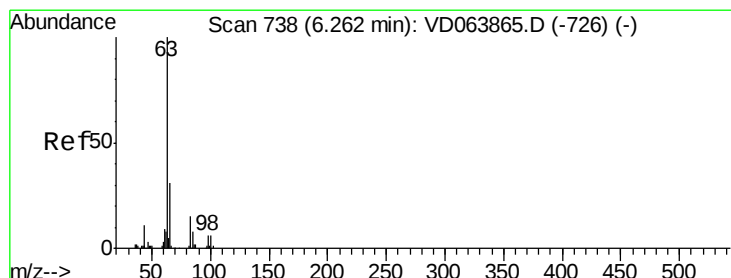
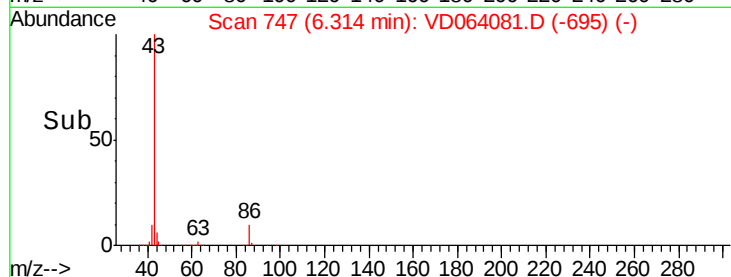
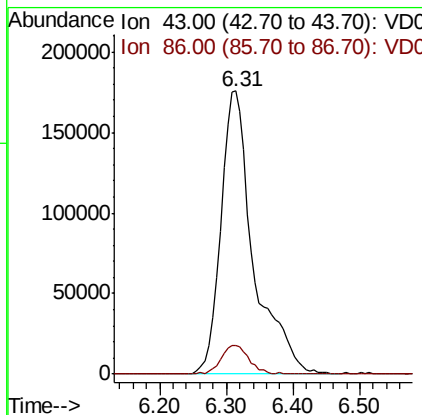
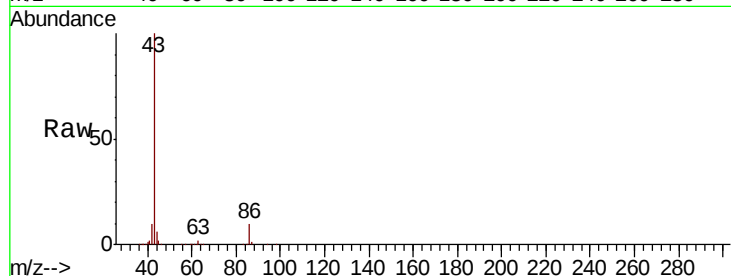
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 605108

Ion Ratio Lower Upper

43 100

86 10.2 8.8 13.2



#24

1,1-Dichloroethane

Concen: 57.792 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

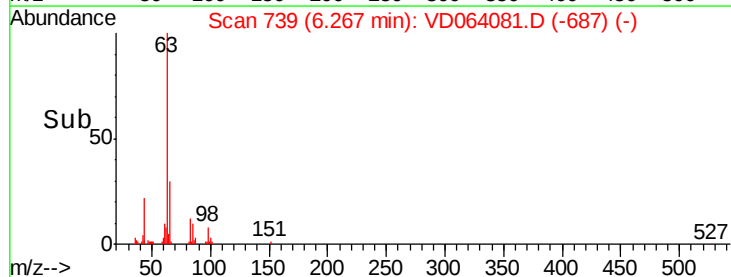
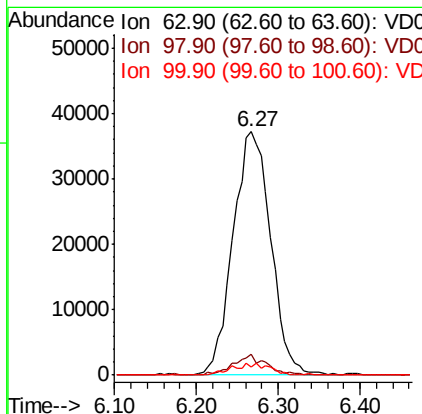
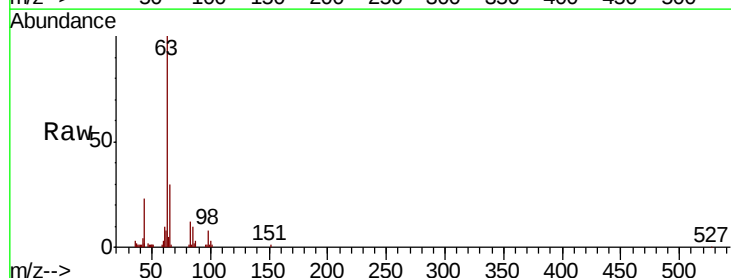
Tgt Ion: 63 Resp: 119292

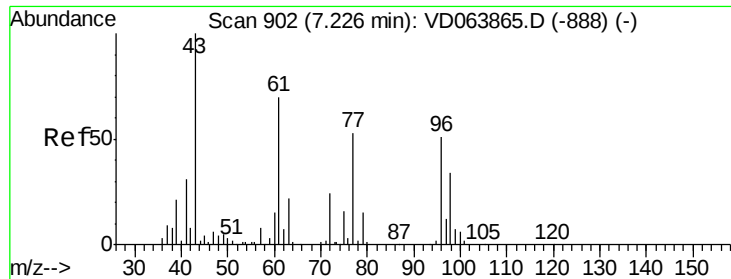
Ion Ratio Lower Upper

63 100

98 8.5 3.1 9.4

100 3.2 3.0 9.2





#25

2-Butanone

Concen: 298.057 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

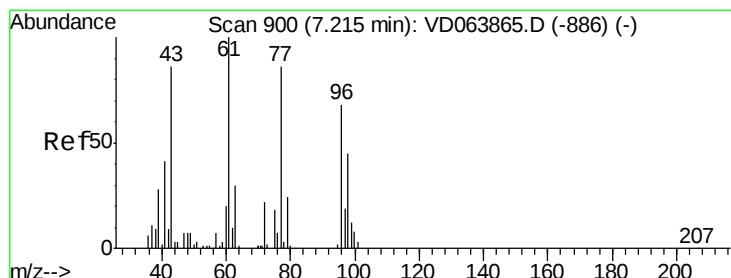
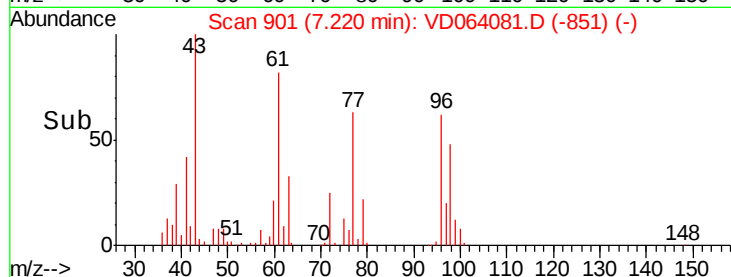
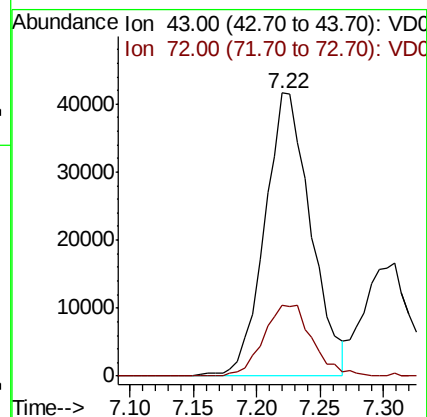
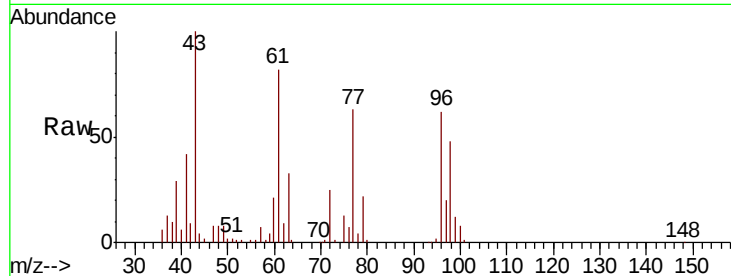
ClientSampled :

Tot Ion: 43 Resp: 105438

Ion Ratio Lower Upper

43 100

72 24.9 19.2 28.8



#26

2,2-Dichloropropane

Concen: 46.462 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064081.D

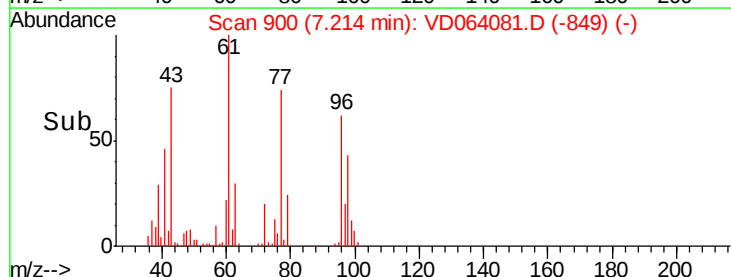
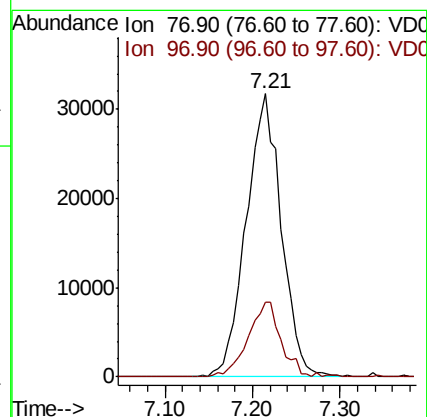
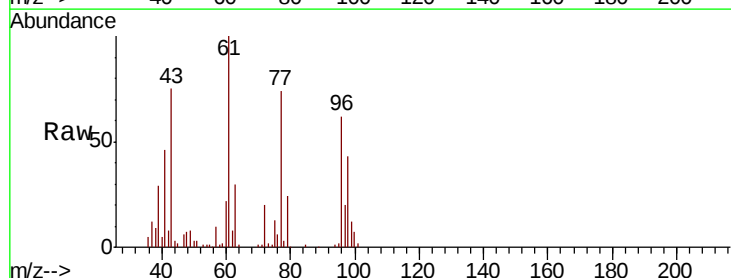
Acq: 25 Oct 2019 22:40

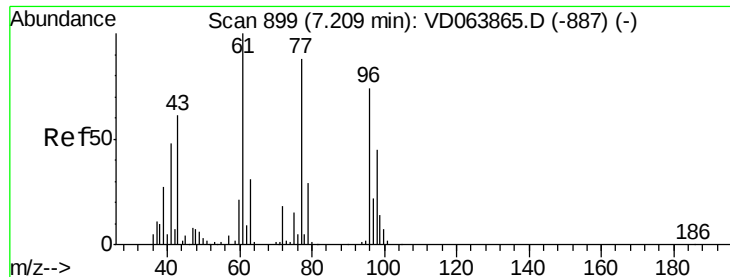
Tgt Ion: 77 Resp: 86755

Ion Ratio Lower Upper

77 100

97 24.6 11.4 34.1



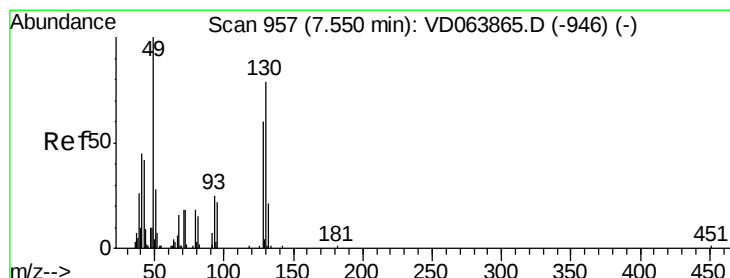
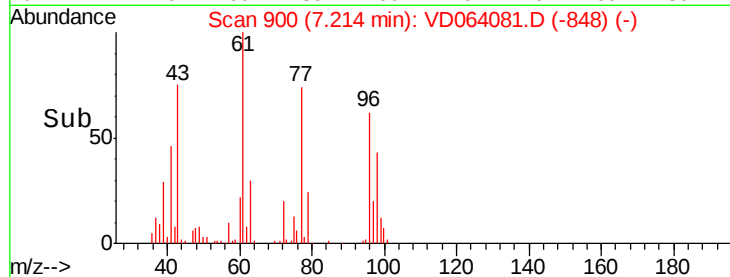
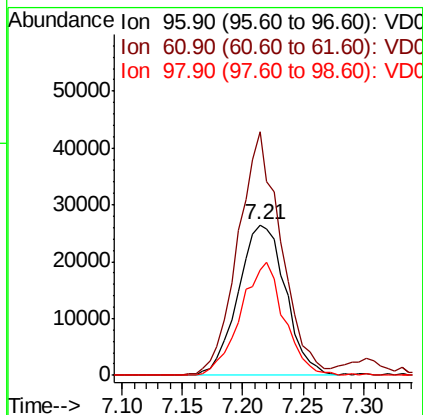
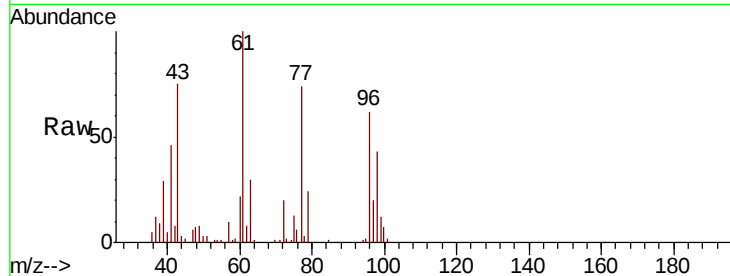


#27

cis-1,2-Dichloroethene
Concen: 52.022 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :

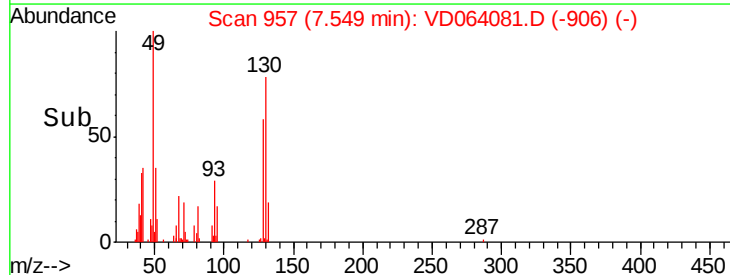
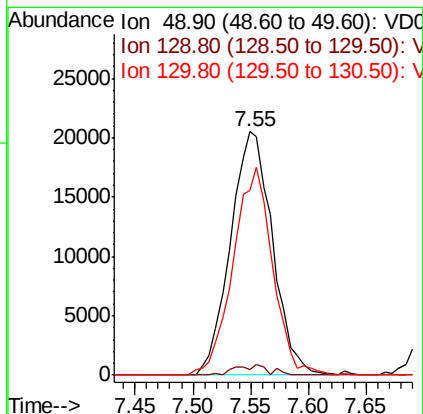
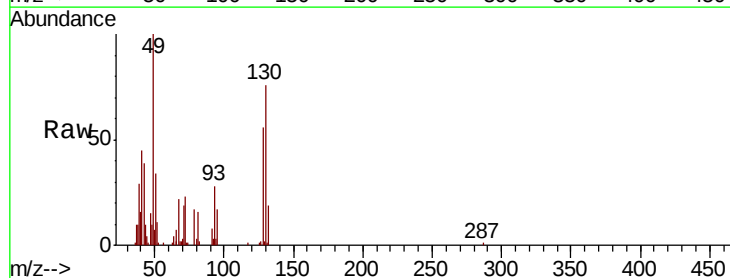
Tot Ion: 96 Resp: 72344
Ion Ratio Lower Upper
96 100
61 148.5 0.0 280.0
98 69.2 0.0 130.4

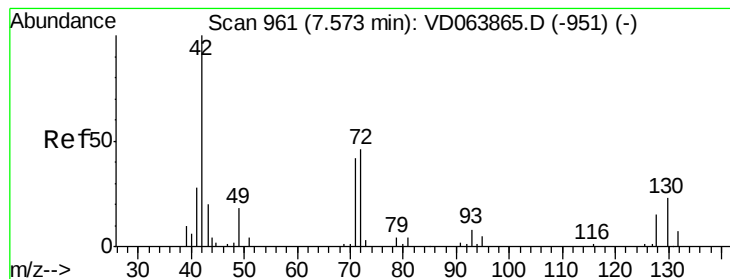


#28

Bromochloromethane
Concen: 65.457 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 49 Resp: 51839
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.6
130 79.7 66.8 100.2





#29

Tetrahydrofuran

Concen: 299.320 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampled :

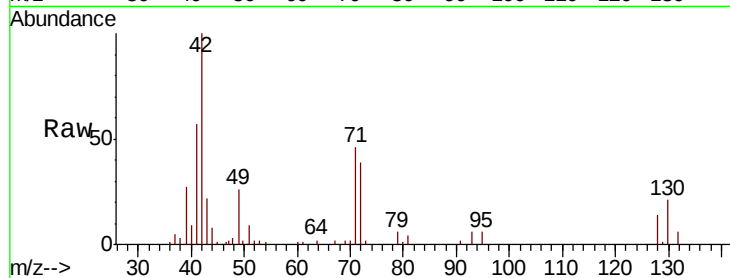
Tot Ion: 42 Resp: 61803

Ion Ratio Lower Upper

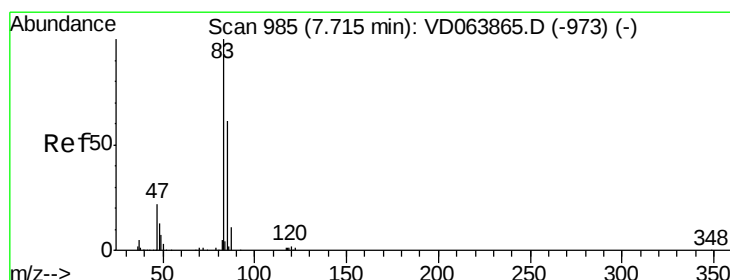
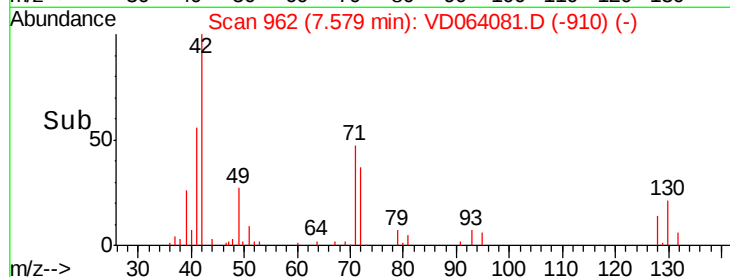
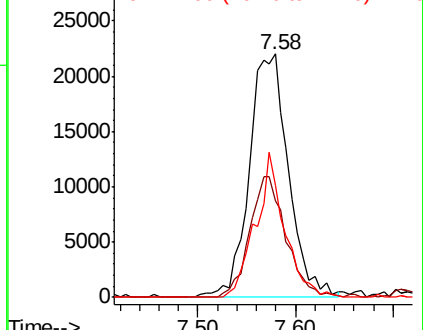
42 100

72 45.7 37.6 56.4

71 43.9 35.0 52.6



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



#30

Chloroform

Concen: 57.134 ug/l

RT: 7.72 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD064081.D

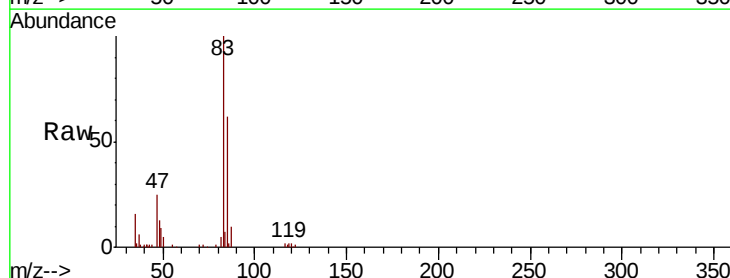
Acq: 25 Oct 2019 22:40

Tgt Ion: 83 Resp: 128090

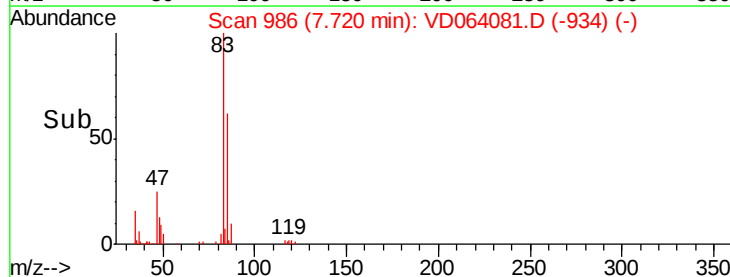
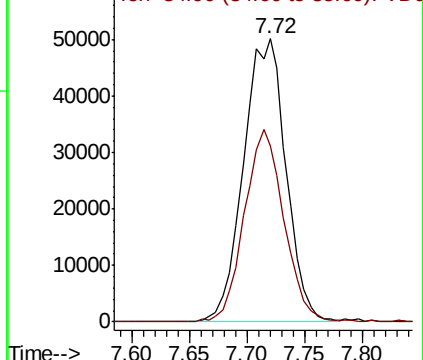
Ion Ratio Lower Upper

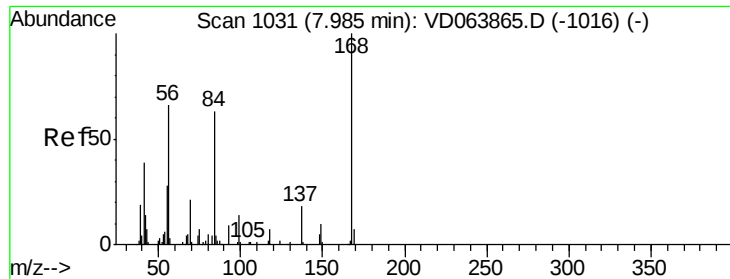
83 100

85 62.1 48.9 73.3



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

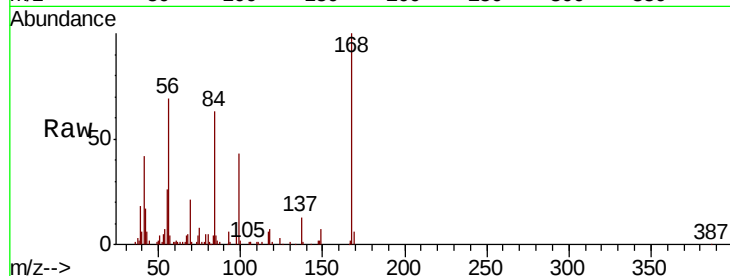




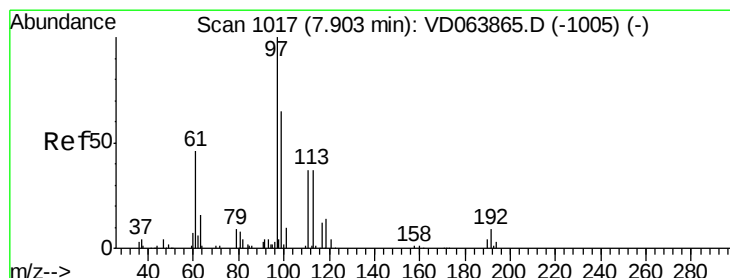
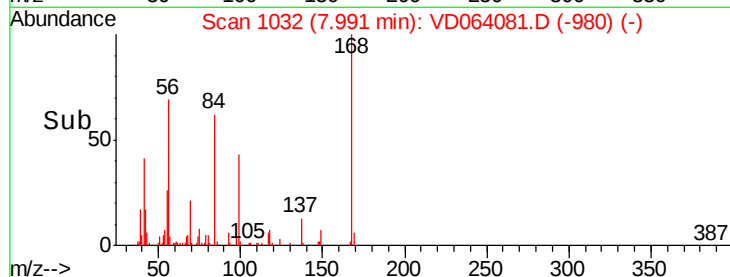
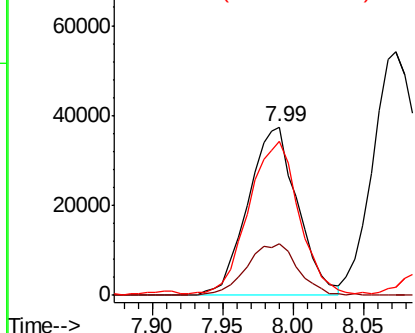
#31
Cyclohexane
Concen: 54.523 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 92434
Ion Ratio Lower Upper
56 100
69 30.4 25.0 37.4
84 89.9 76.3 114.5

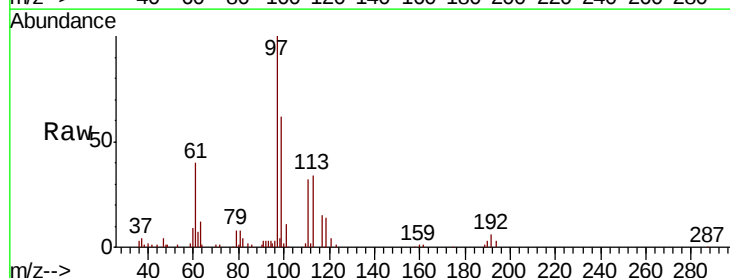


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

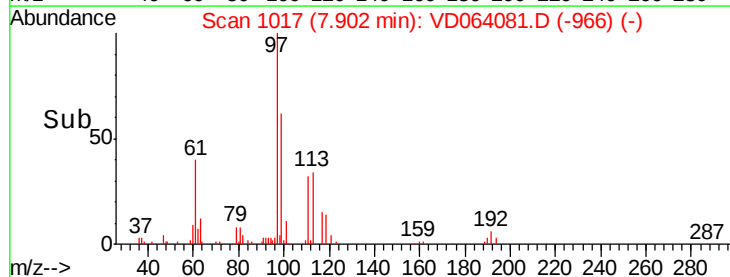
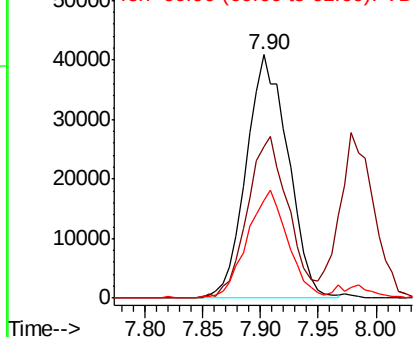


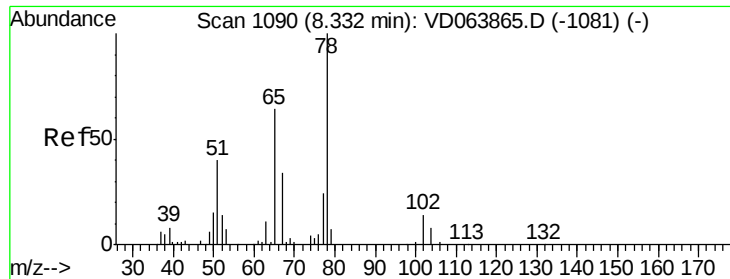
#32
1,1,1-Trichloroethane
Concen: 53.662 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 97 Resp: 103200
Ion Ratio Lower Upper
97 100
99 65.3 52.4 78.6
61 43.2 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: 57.264 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

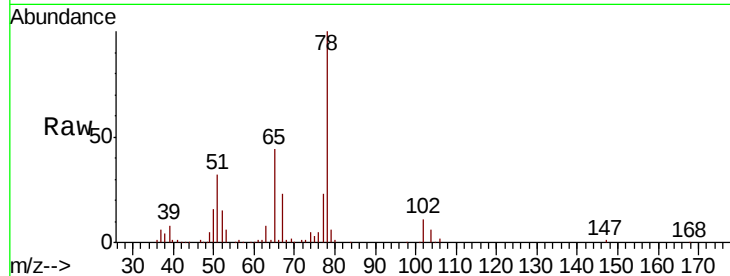
ClientSampleId :

Tot Ion: 65 Resp: 65653

Ion Ratio Lower Upper

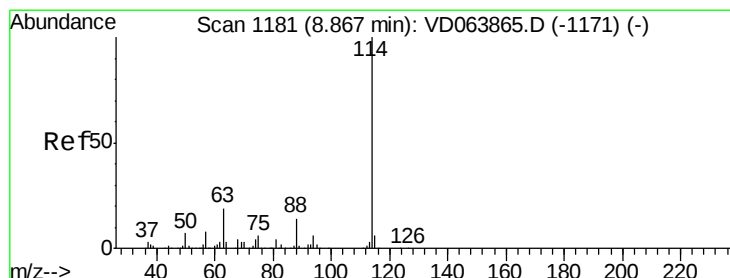
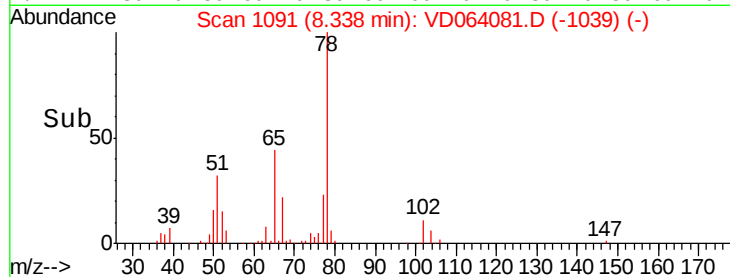
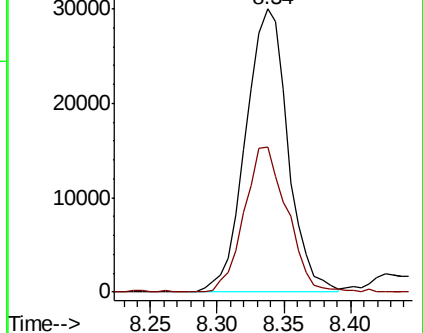
65 100

67 52.0 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

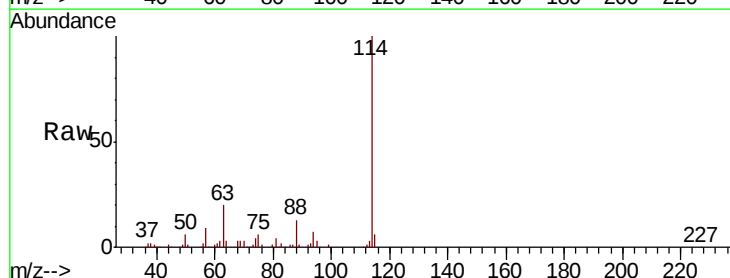
Tgt Ion:114 Resp: 193787

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

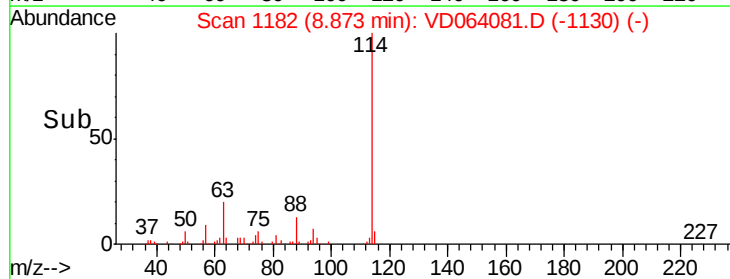
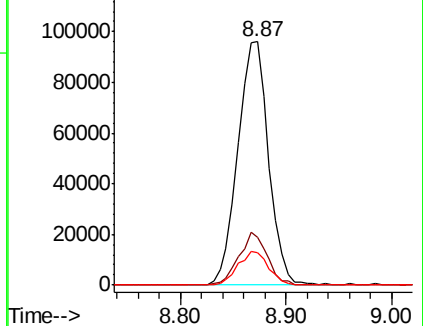
88 13.1 0.0 27.4

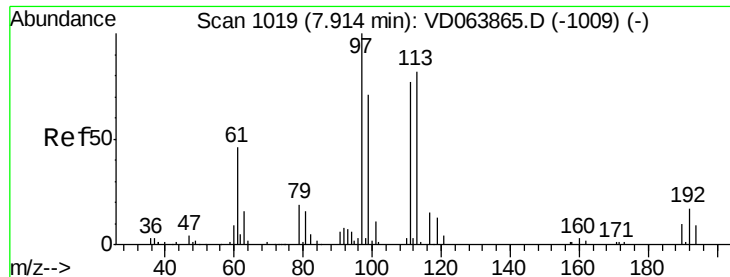


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

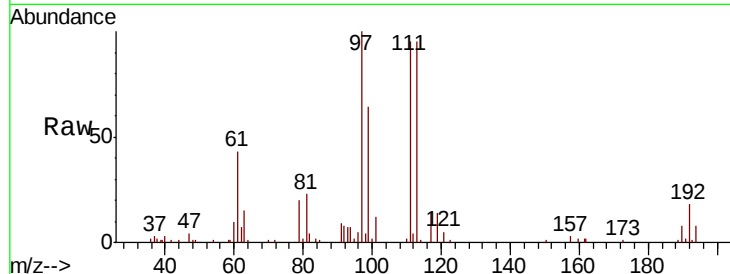




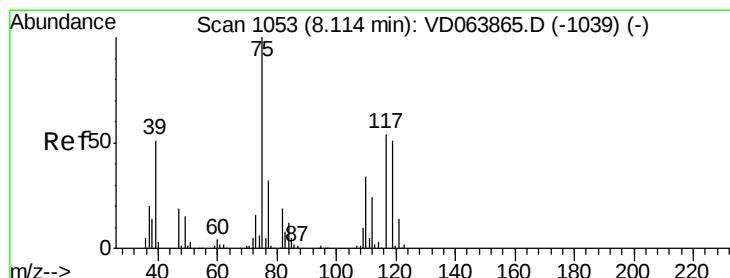
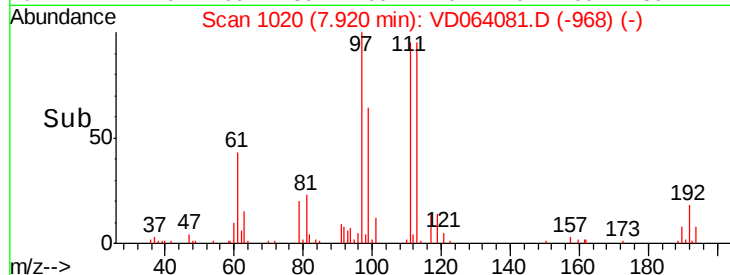
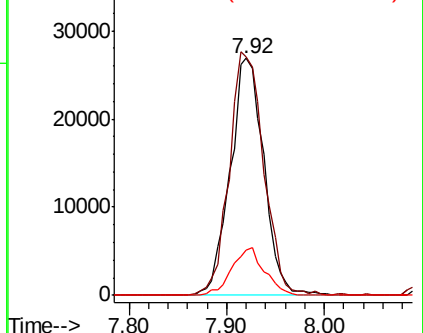
#35
 Dibromofluoromethane
 Concen: 54.211 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 64202
 Ion Ratio Lower Upper
 113 100
 111 105.2 82.6 123.8
 192 19.5 17.1 25.7

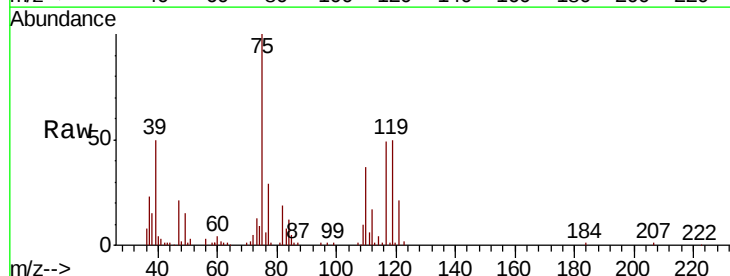


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

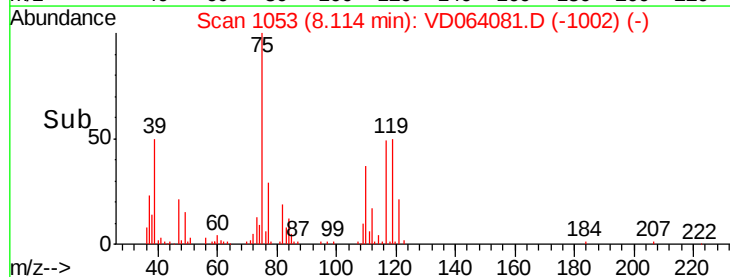
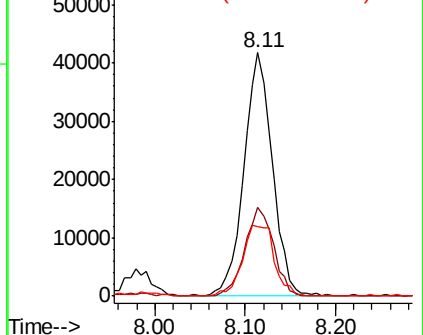


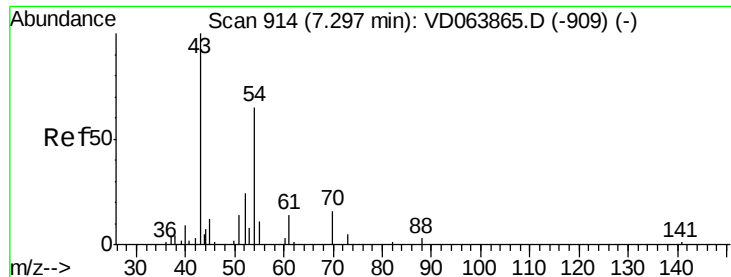
#36
 1,1-Dichloropropene
 Concen: 51.360 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 75 Resp: 91002
 Ion Ratio Lower Upper
 75 100
 110 36.6 17.4 52.3
 77 32.4 25.4 38.0



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

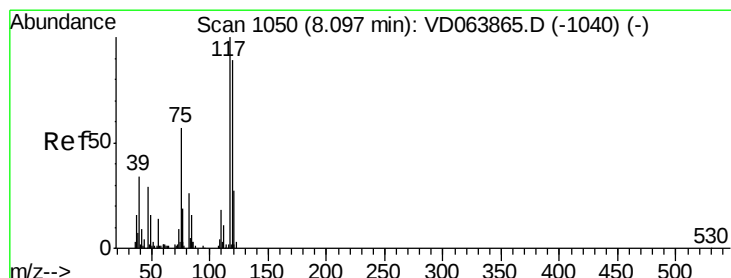
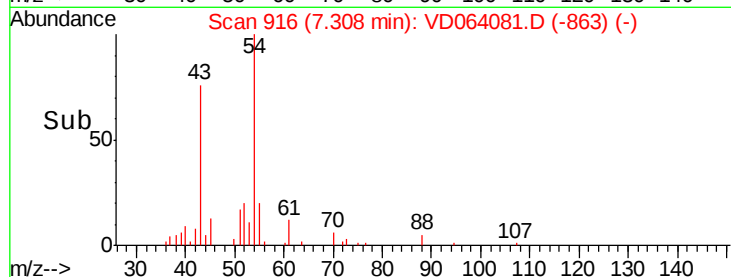
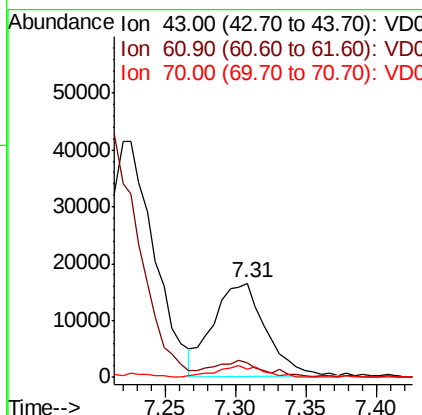
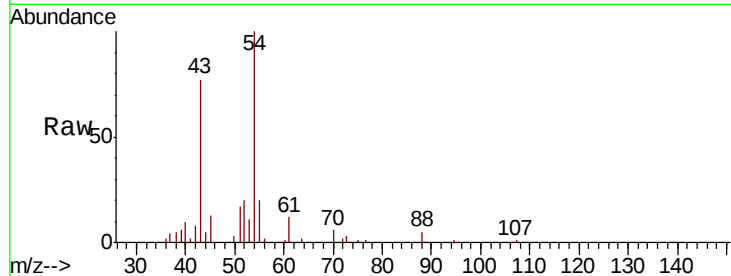




#37
Ethyl Acetate
Concen: 60.691 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

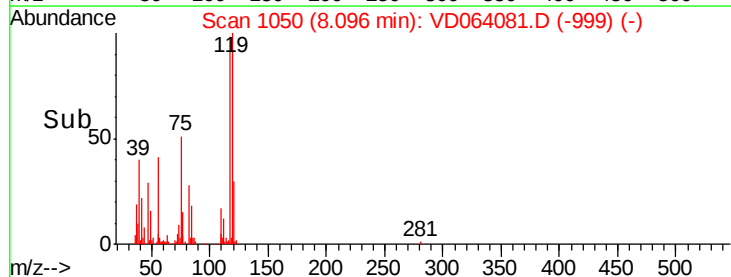
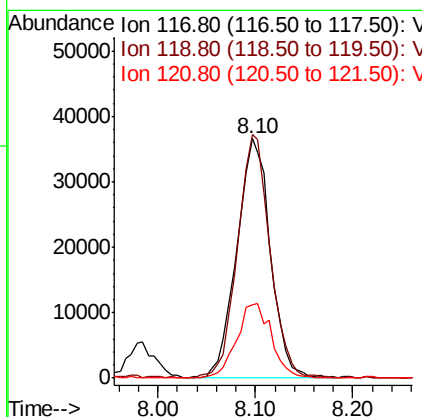
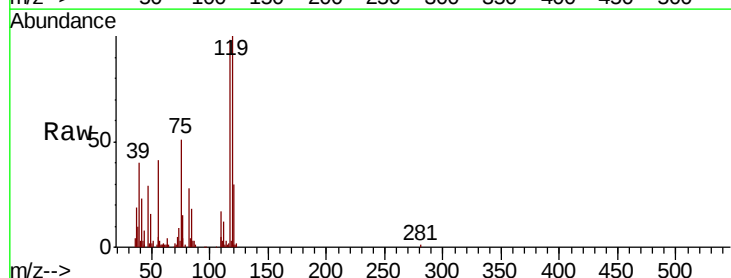
Instrument :
MSVOA_D
ClientSampleID :

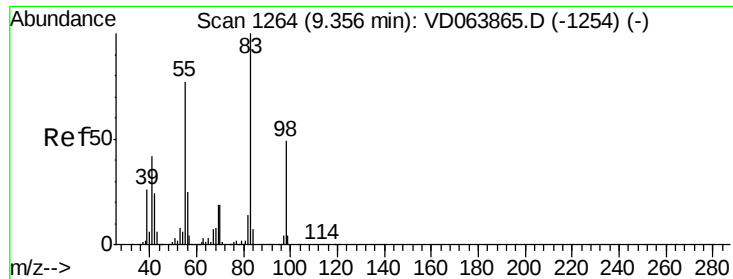
Tot Ion: 43 Resp: 42514
Ion Ratio Lower Upper
43 100
61 16.5 11.5 17.3
70 10.5 8.2 12.4



#38
Carbon Tetrachloride
Concen: 49.220 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 117 Resp: 88130
Ion Ratio Lower Upper
117 100
119 101.7 70.8 106.2
121 30.7 21.4 32.0

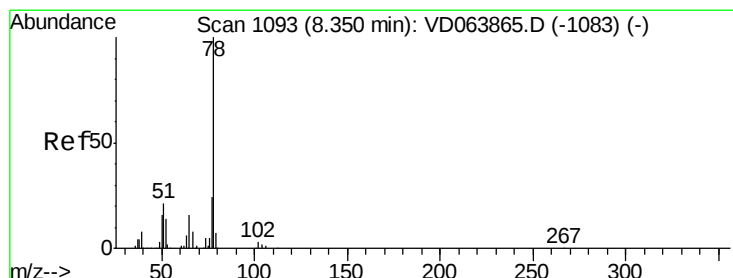
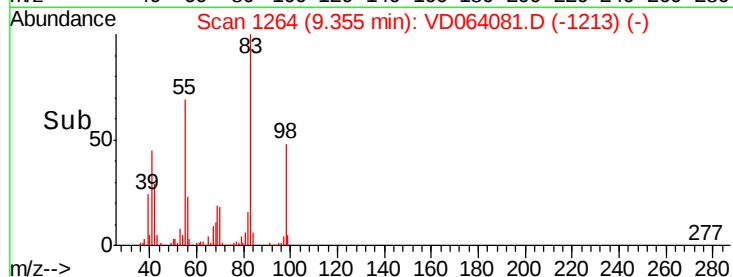
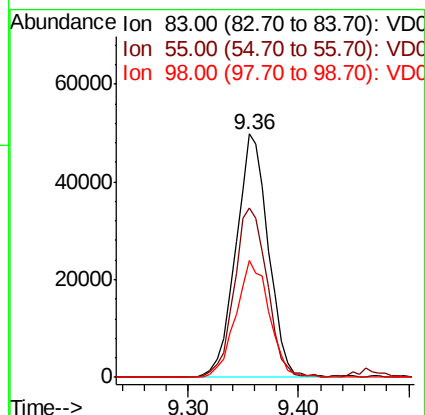
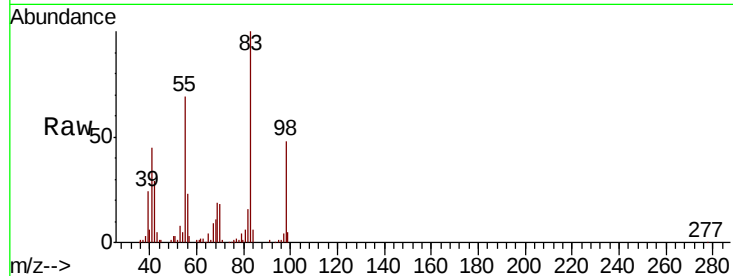




#39
Methvlcvclohexane
Concen: 47.079 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

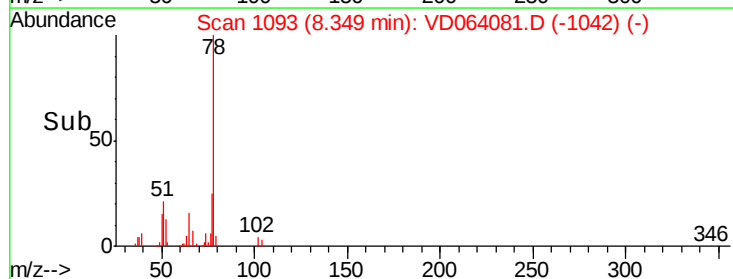
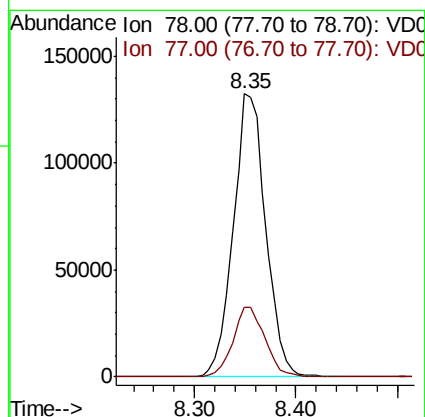
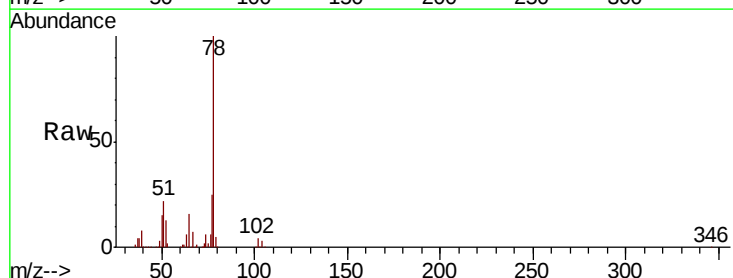
Instrument :
MSVOA_D
ClientSampleId :

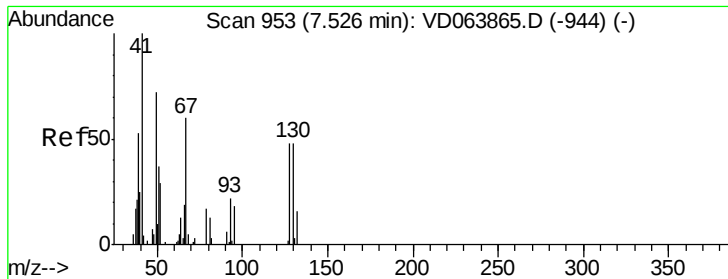
Tot Ion: 83 Resp: 102566
Ion Ratio Lower Upper
83 100
55 69.4 61.3 91.9
98 48.0 39.3 58.9



#40
Benzene
Concen: 57.779 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 78 Resp: 293376
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.6

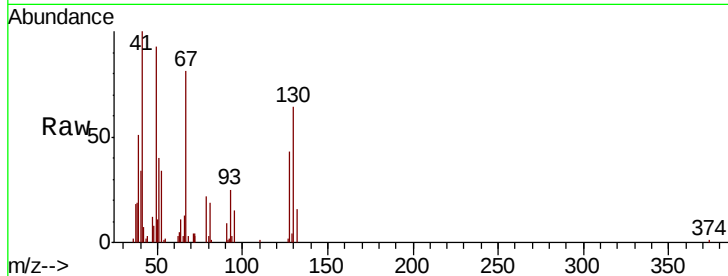




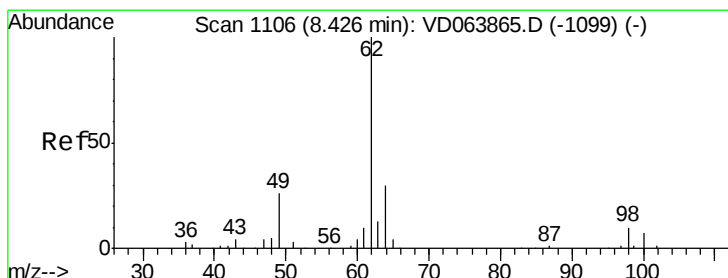
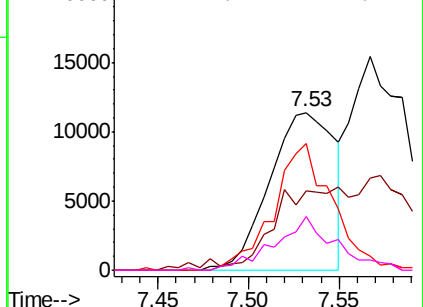
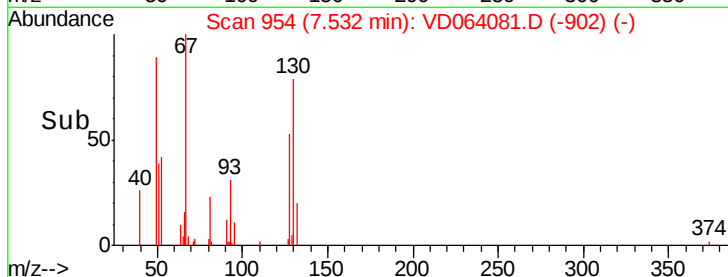
#41
Methacrylonitrile
Concen: 69.334 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 28482
Ion Ratio Lower Upper
41 100
39 43.7 52.6 78.8#
67 72.6 74.2 111.2#
52 31.3 34.0 51.0#

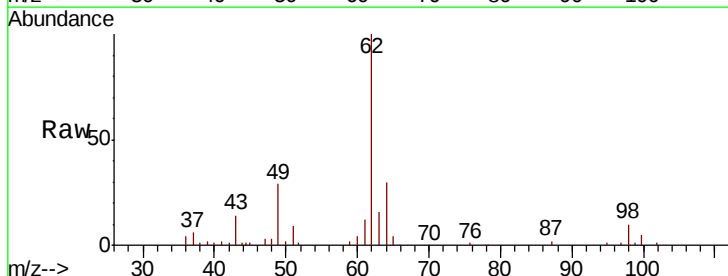


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

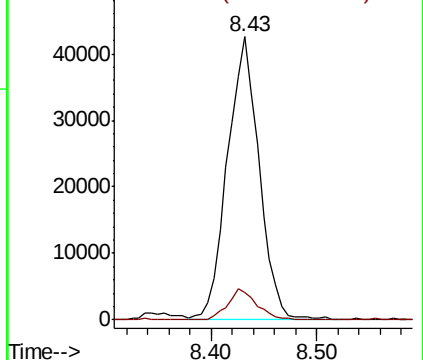
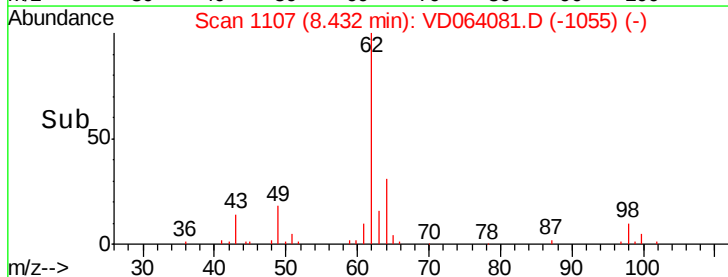


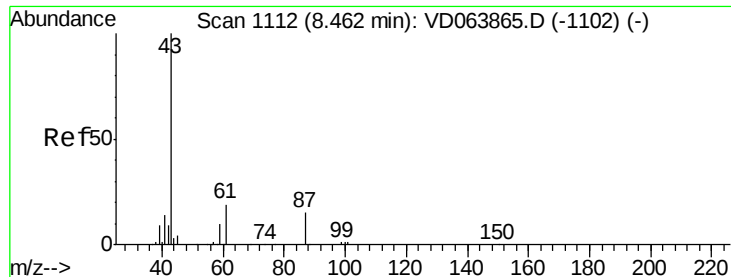
#42
1,2-Dichloroethane
Concen: 60.304 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 62 Resp: 88572
Ion Ratio Lower Upper
62 100
98 9.9 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: 55.726 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampled :

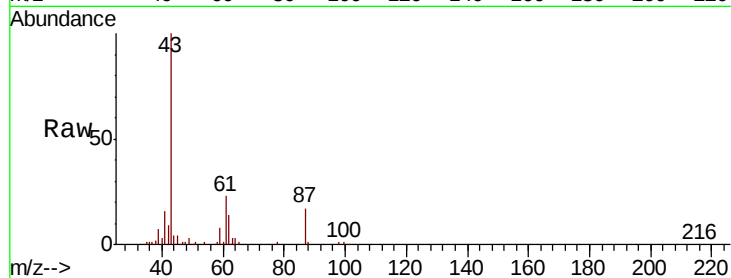
Tot Ion: 43 Resp: 82805

Ion Ratio Lower Upper

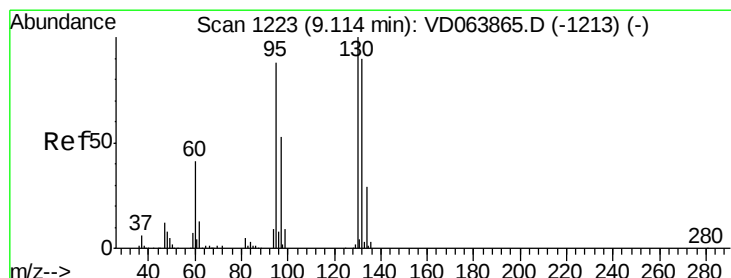
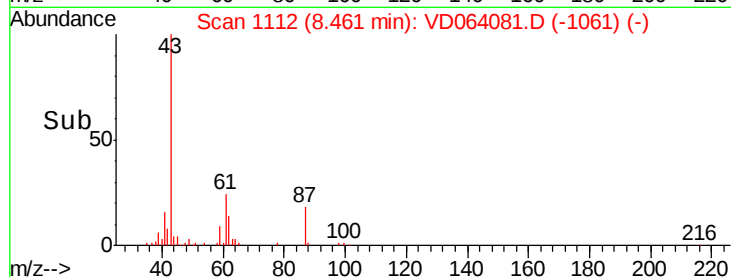
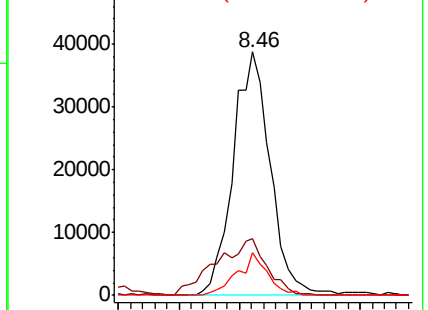
43 100

61 31.7 25.7 38.5

87 14.1 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.635 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD064081.D

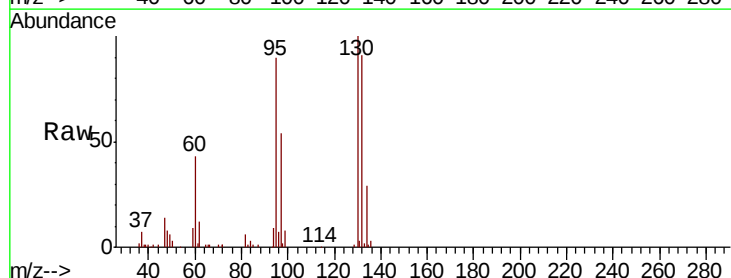
Acq: 25 Oct 2019 22:40

Tgt Ion:130 Resp: 75603

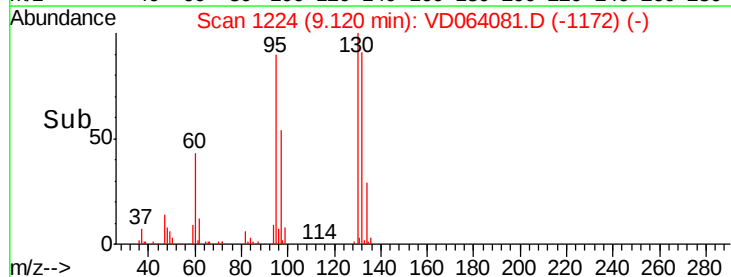
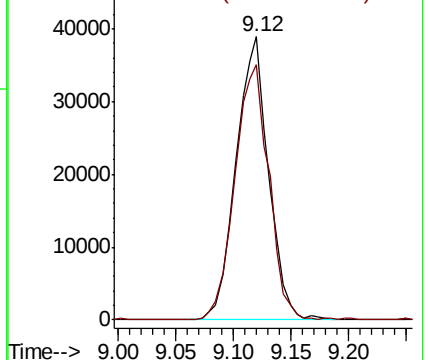
Ion Ratio Lower Upper

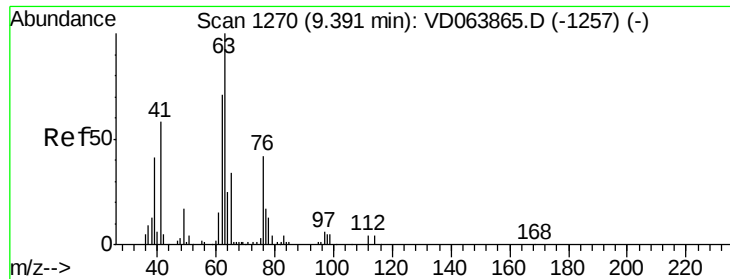
130 100

95 90.3 0.0 175.6



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





#45

1,2-Dichloropropane

Concen: 60.207 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

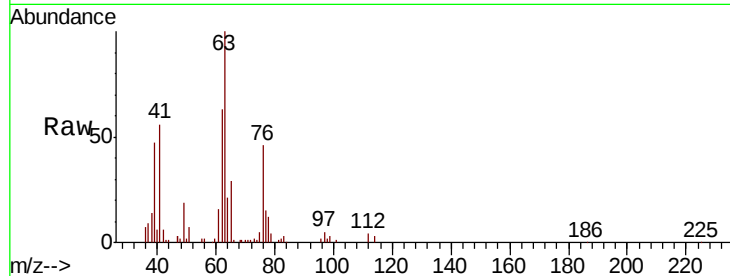
ClientSampleId :

Tot Ion: 63 Resp: 74826

Ion Ratio Lower Upper

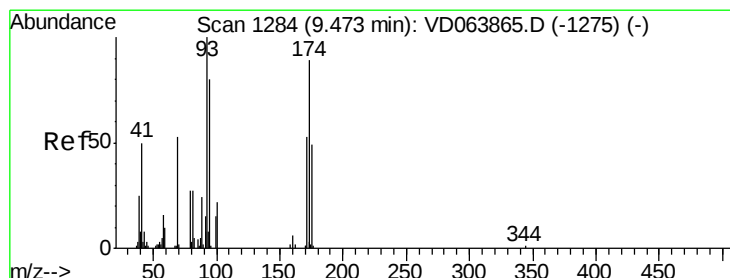
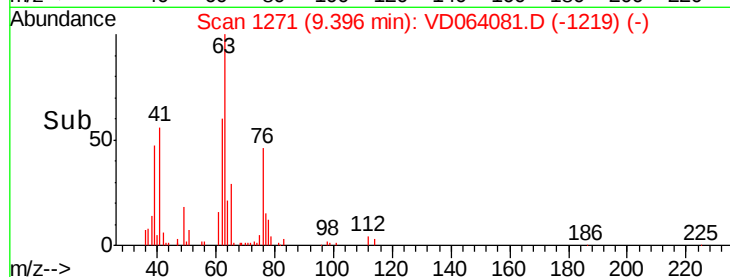
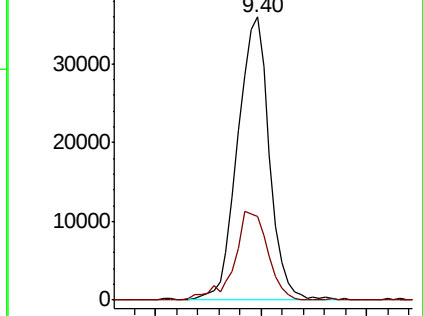
63 100

65 29.4 27.3 40.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 62.069 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

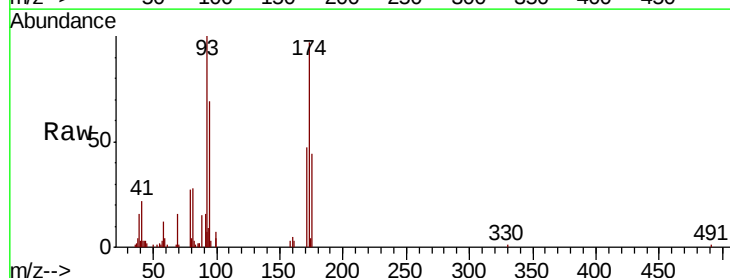
Tgt Ion: 93 Resp: 43932

Ion Ratio Lower Upper

93 100

95 81.8 66.0 99.0

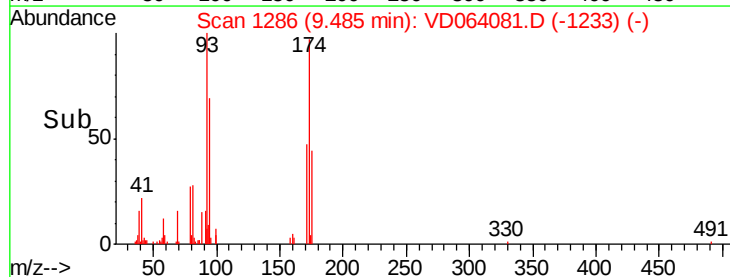
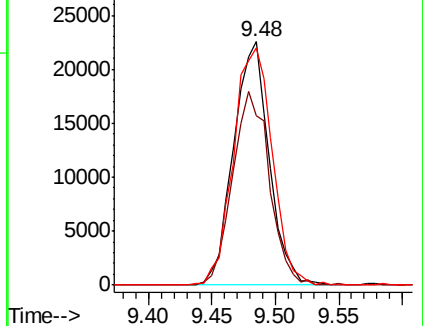
174 106.3 83.4 125.0

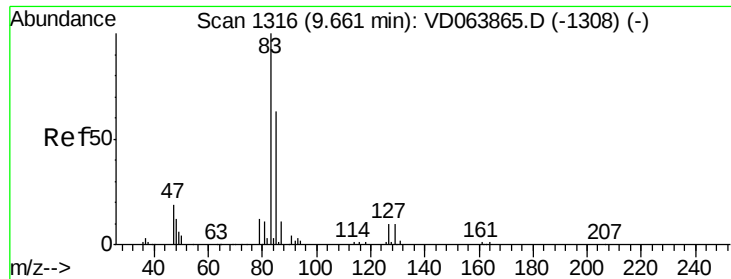


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 58.219 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

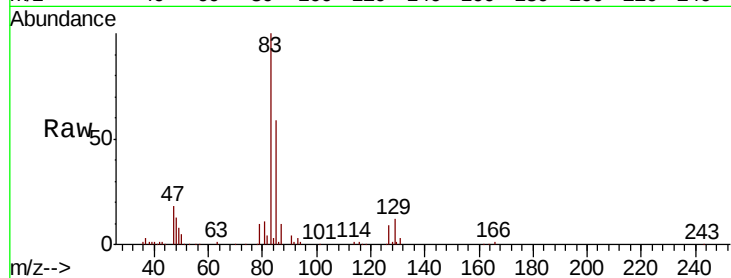
Tot Ion: 83 Resp: 106094

Ion Ratio Lower Upper

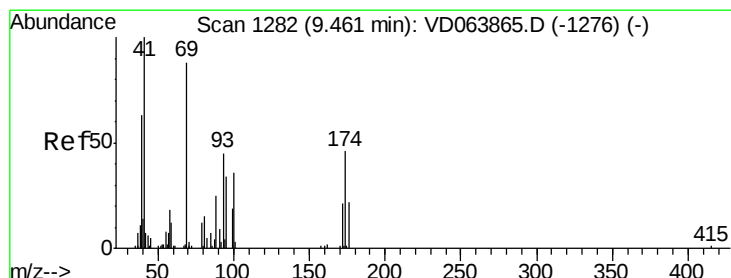
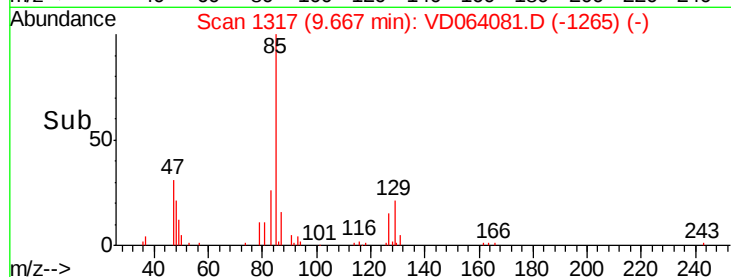
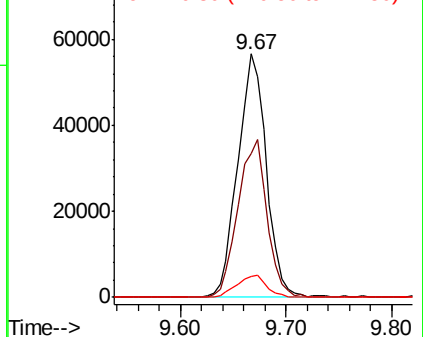
83 100

85 59.3 50.2 75.2

127 8.8 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: 54.720 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

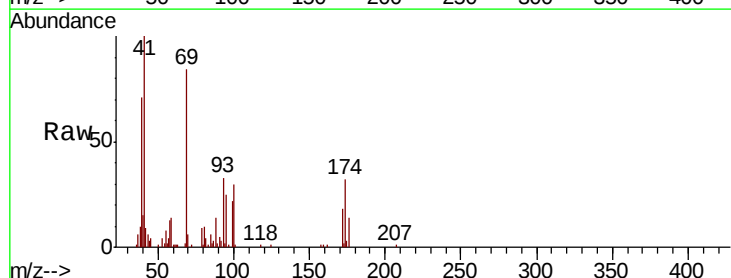
Tgt Ion: 41 Resp: 38958

Ion Ratio Lower Upper

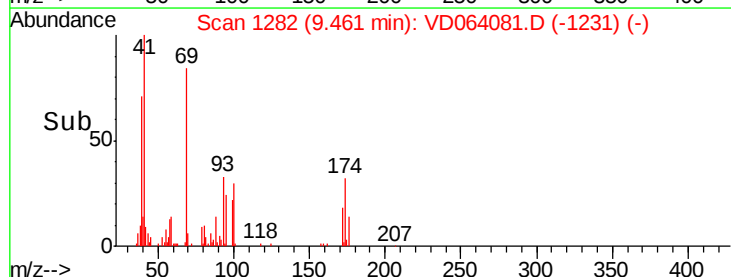
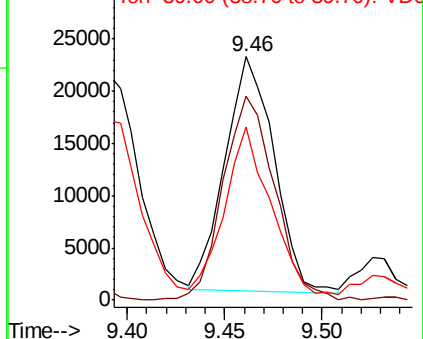
41 100

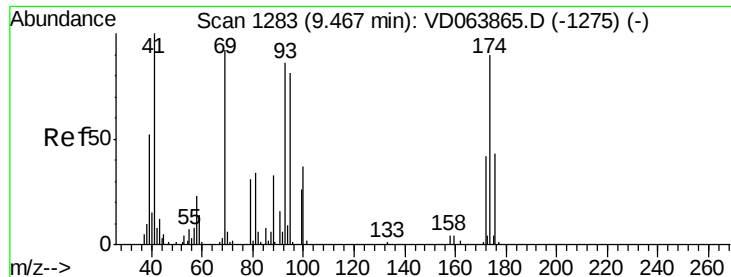
69 91.8 75.1 112.7

39 72.9 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: 1232.224 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

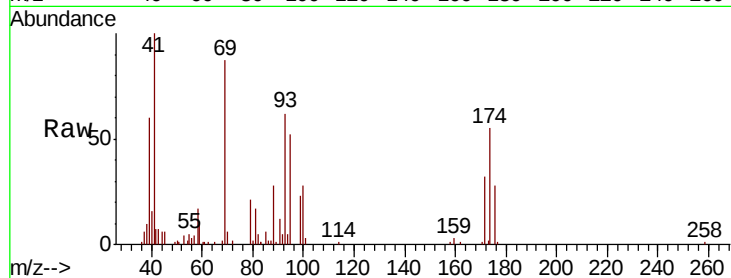
Instrument :

MSVOA_D

ClientSampleID :

Tot Ion: 88 Resp: 11905

Ion	Ratio	Lower	Upper
88	100		
43	28.8	27.6	41.4
58	62.5	54.1	81.1

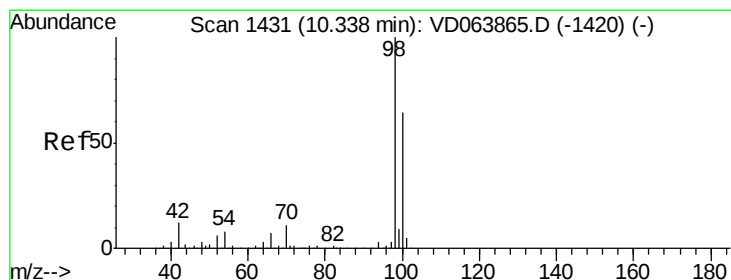
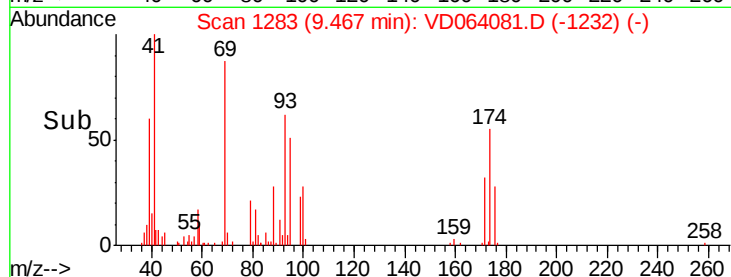
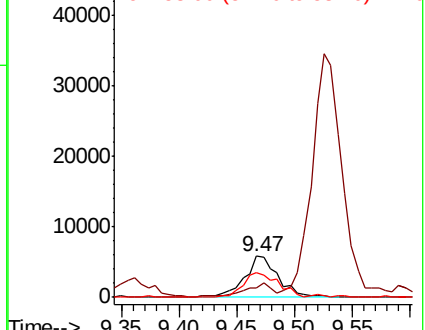


Abundance

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: 55.554 ug/l

RT: 10.34 min Scan# 1432

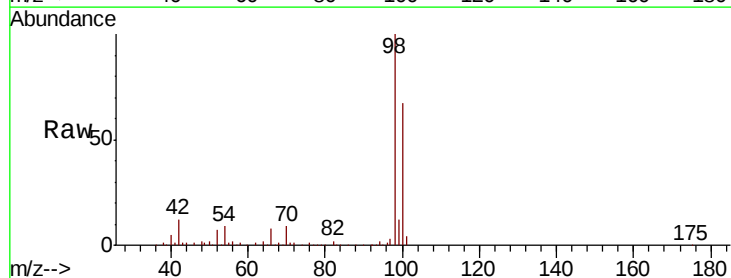
Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion: 98 Resp: 267039

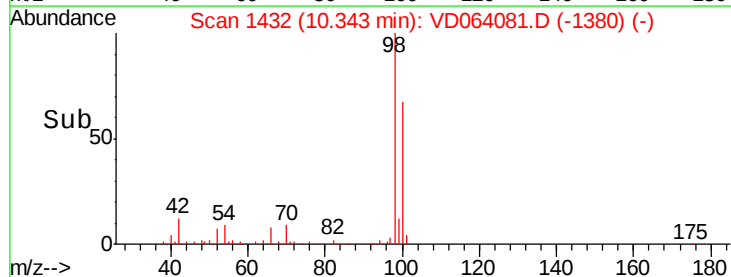
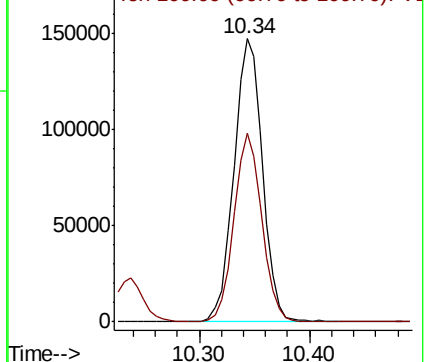
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1

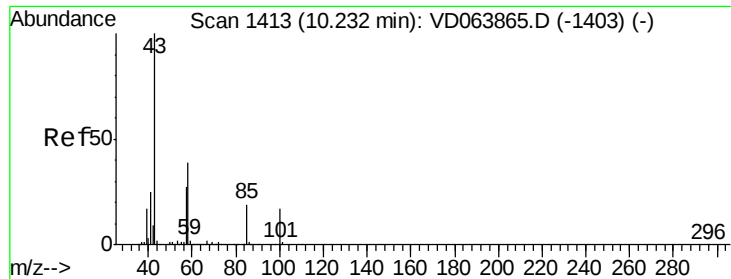


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

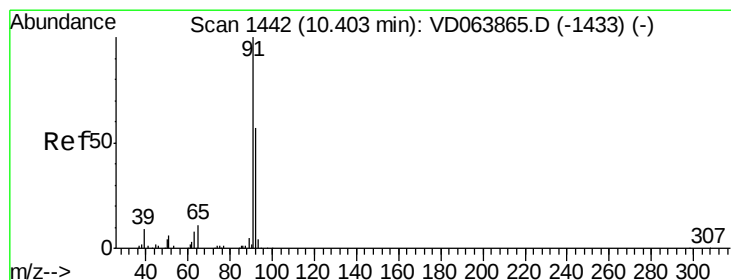
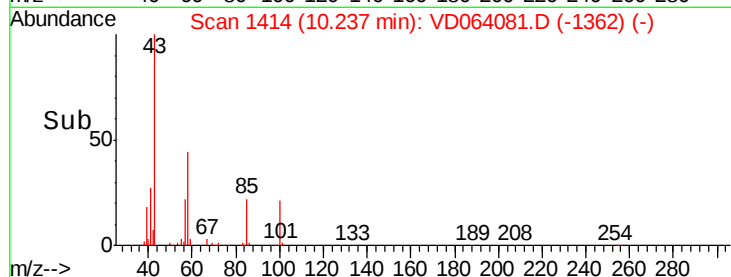
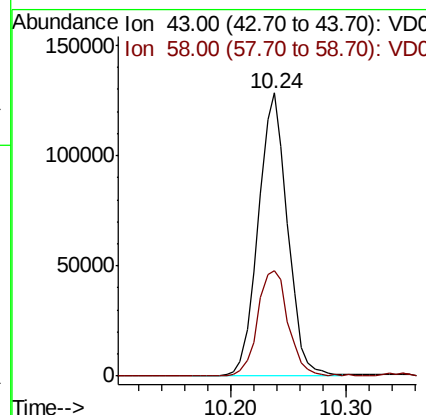
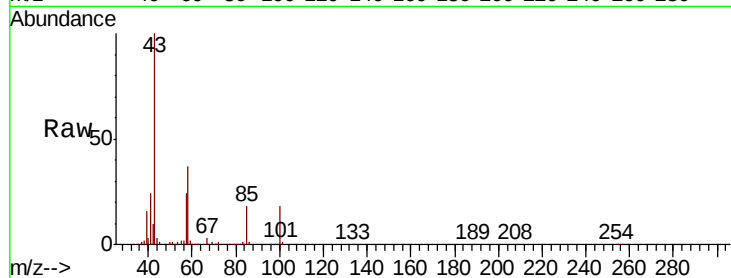




#51
4-Methyl-2-Pentanone
Concen: 294.710 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

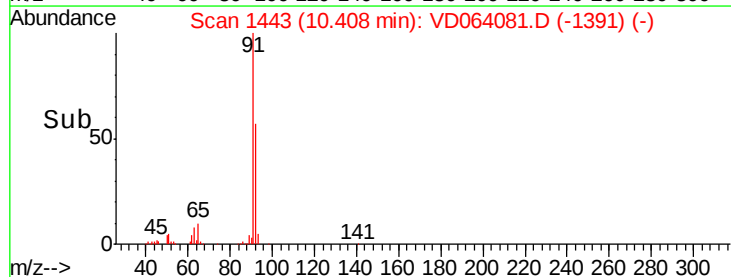
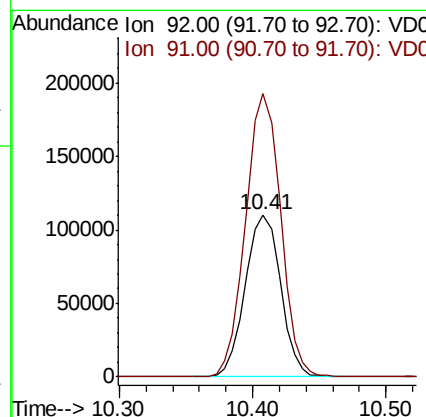
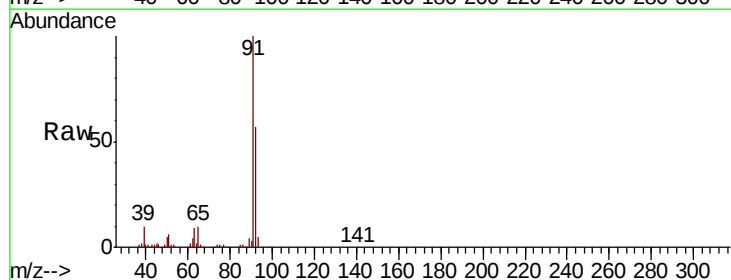
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 227114
Ion Ratio Lower Upper
43 100
58 38.9 33.0 49.4



#52
Toluene
Concen: 58.045 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 92 Resp: 202323
Ion Ratio Lower Upper
92 100
91 173.7 139.5 209.3

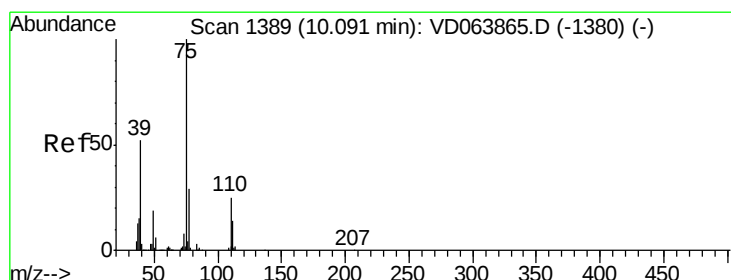
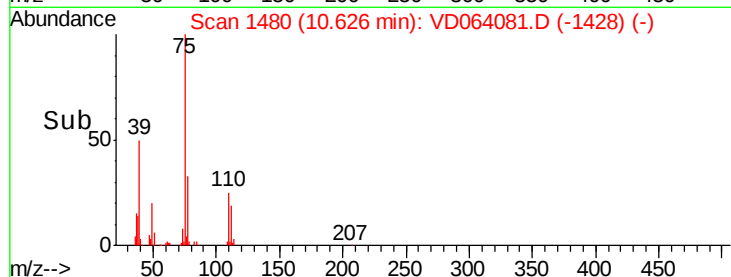
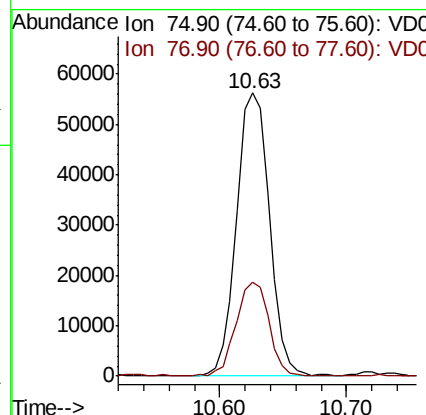
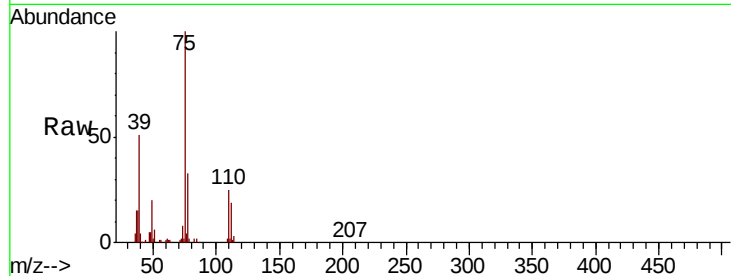




#53
 t-1,3-Dichloropropene
 Concen: 56.854 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

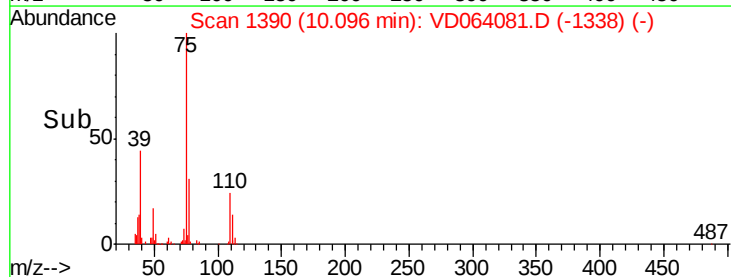
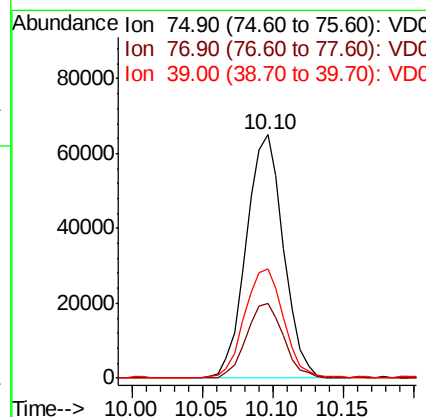
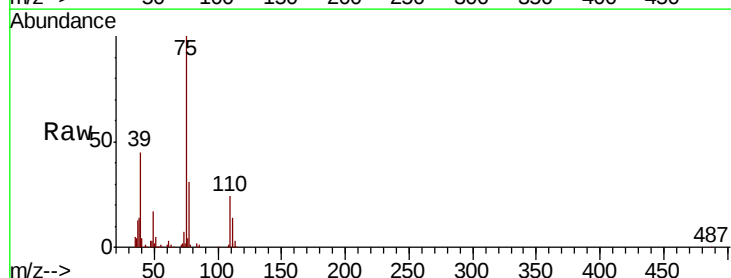
Instrument :
 MSVOA_D
 ClientSampleId :

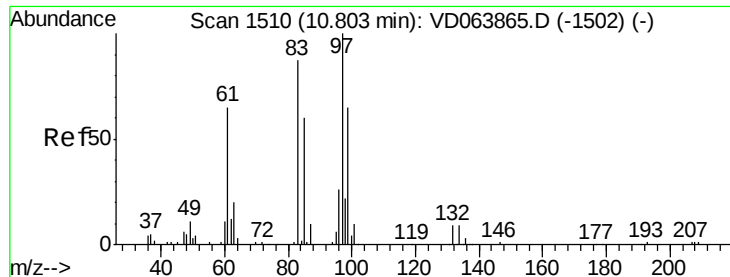
Tot Ion: 75 Resp: 101100
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.8 34.2



#54
 cis-1,3-Dichloropropene
 Concen: 58.760 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion: 75 Resp: 120279
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.2 34.8
 39 44.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 61.043 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 61005

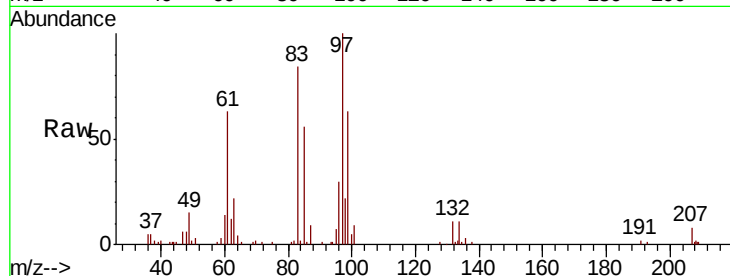
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	55.9	48.1	72.1
99	63.7	51.9	77.9

97 100

83 84.4 69.7 104.5

85 55.9 48.1 72.1

99 63.7 51.9 77.9



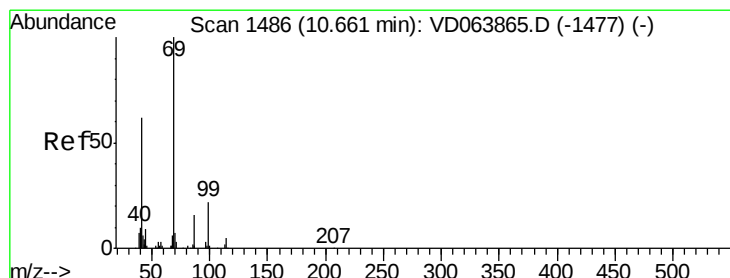
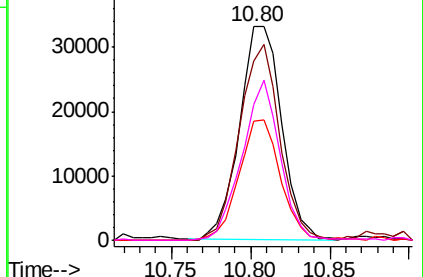
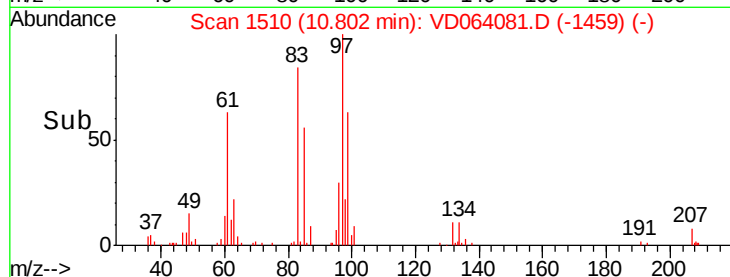
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Time-->



#56

Ethyl methacrylate

Concen: 57.092 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

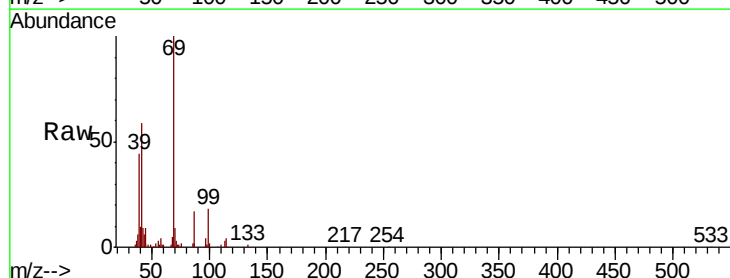
Tgt Ion: 69 Resp: 72254

Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.3	76.9
39	40.8	28.0	42.0

69 100

41 65.1 51.3 76.9

39 40.8 28.0 42.0

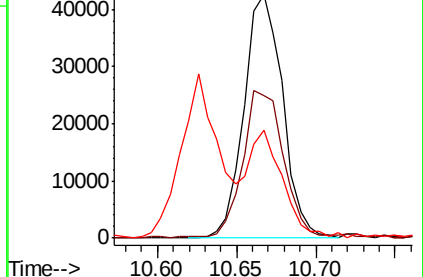
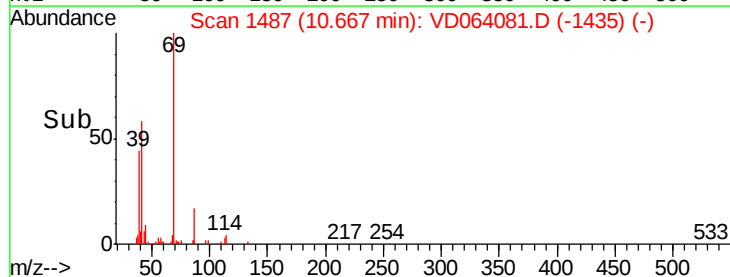


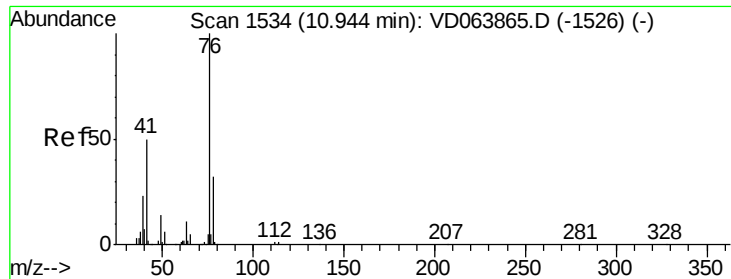
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->





#57

1,3-Dichloropropane

Concen: 60.826 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

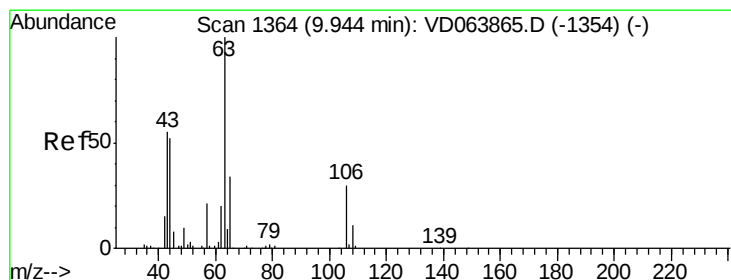
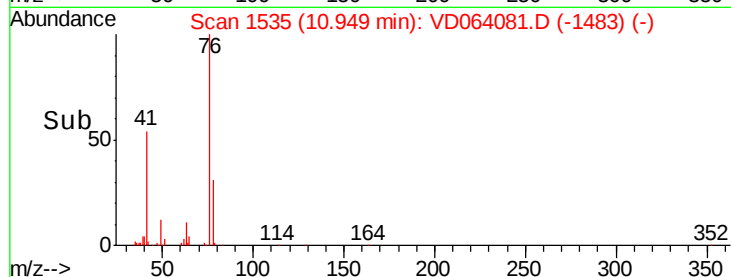
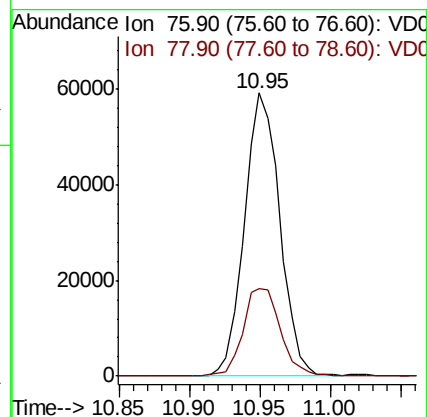
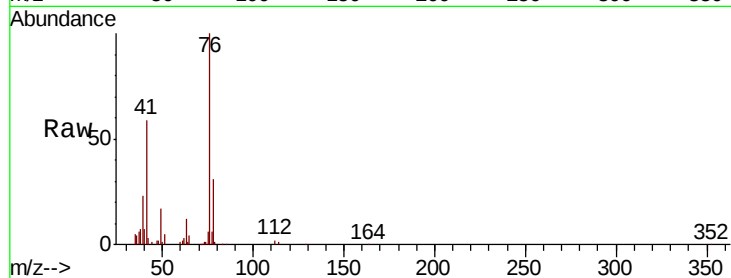
ClientSampleId :

Tot Ion: 76 Resp: 104006

Ion Ratio Lower Upper

76 100

78 32.7 26.6 40.0



#58

2-Chloroethyl Vinyl ether

Concen: 280.643 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064081.D

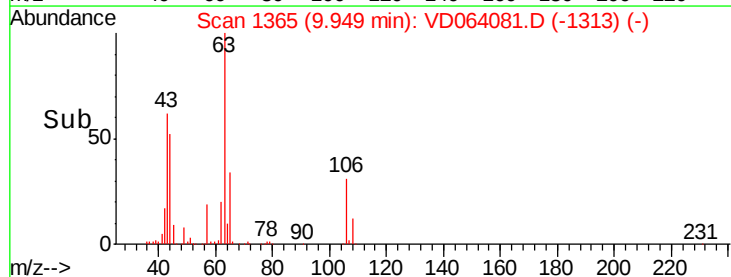
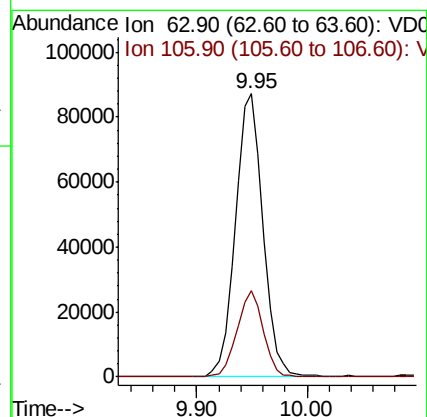
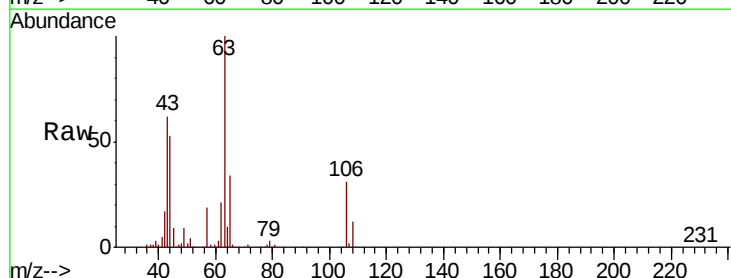
Acq: 25 Oct 2019 22:40

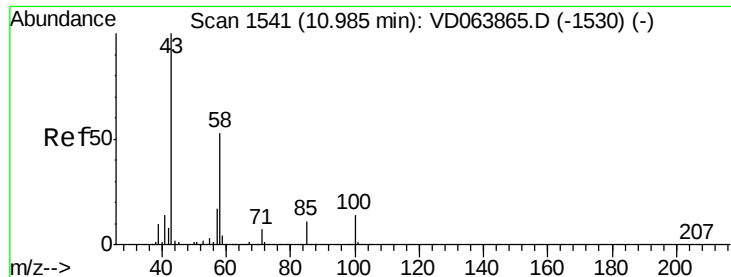
Tgt Ion: 63 Resp: 152667

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5

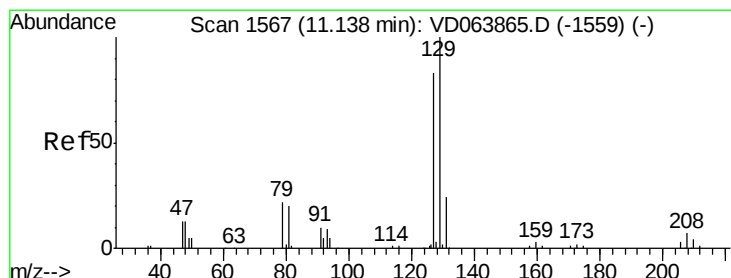
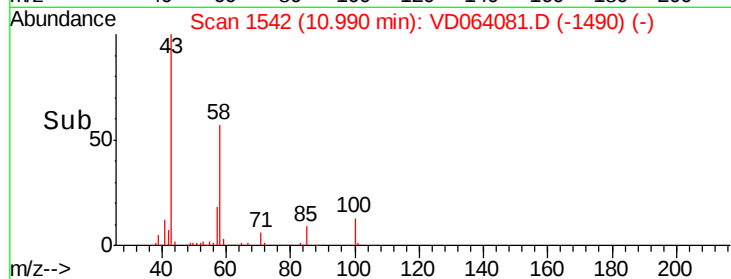
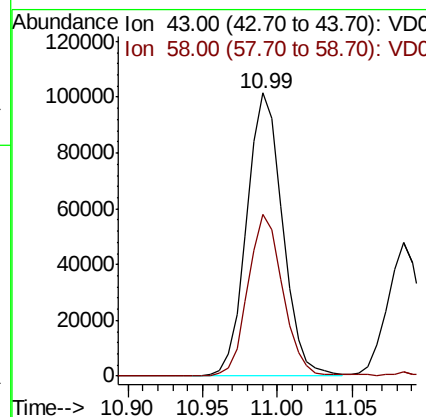
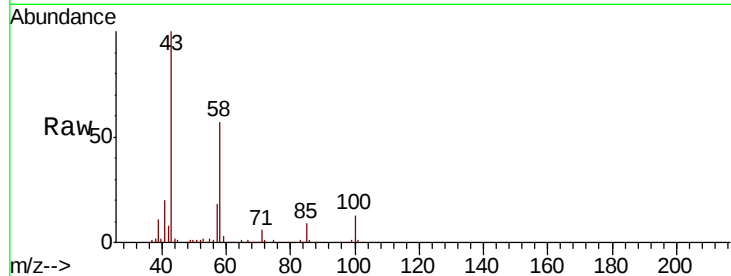




#59
2-Hexanone
Concen: 302.822 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

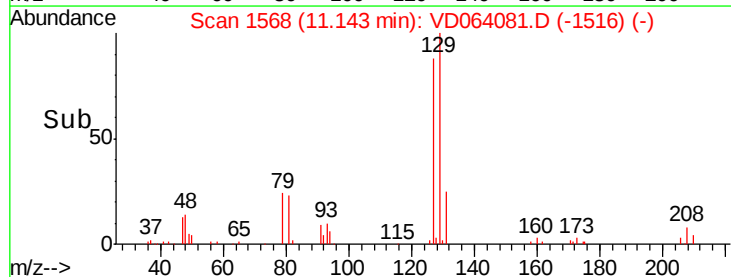
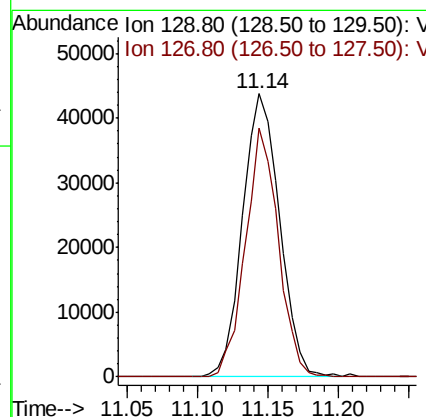
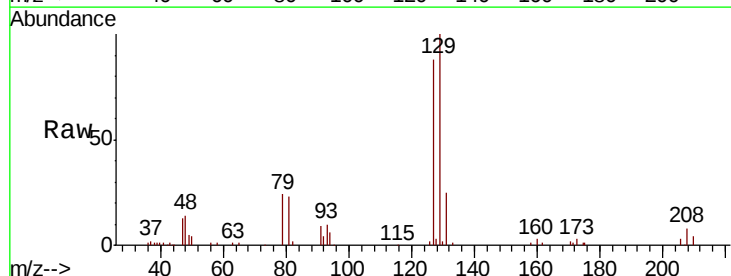
Instrument :
MSVOA_D
ClientSampled :

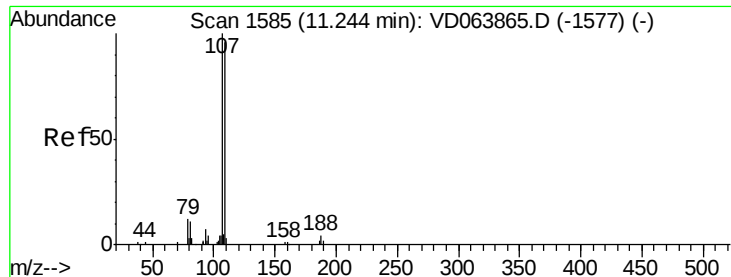
Tot Ion: 43 Resp: 168810
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0



#60
Dibromochloromethane
Concen: 61.829 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 129 Resp: 80445
Ion Ratio Lower Upper
129 100
127 78.3 39.9 119.6





#61

1,2-Dibromoethane

Concen: 63.535 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

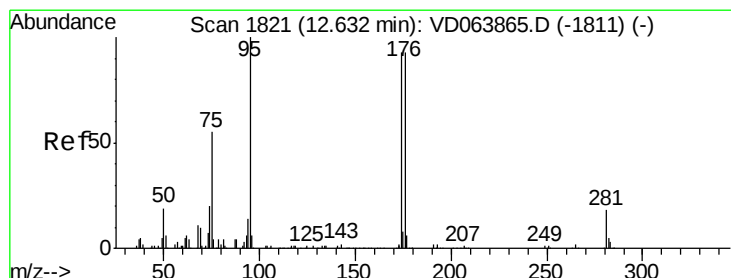
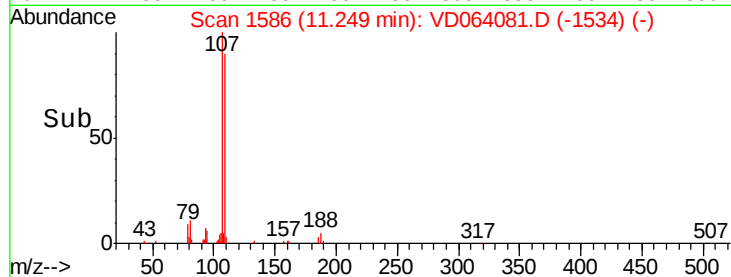
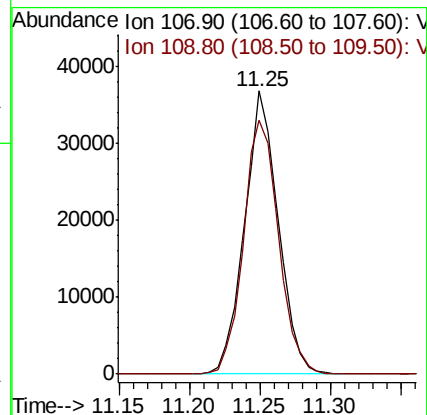
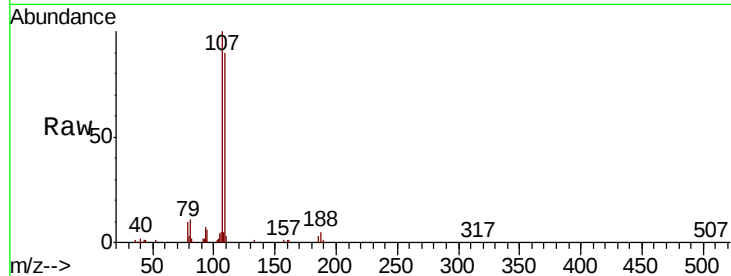
ClientSampleId :

Tot Ion:107 Resp: 61557

Ion Ratio Lower Upper

107 100

109 93.3 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 56.384 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

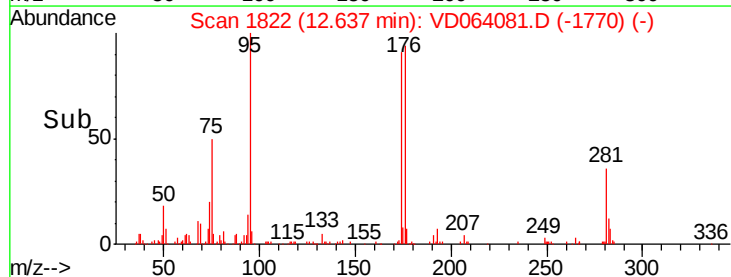
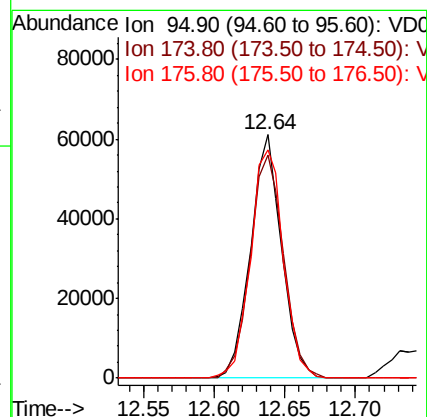
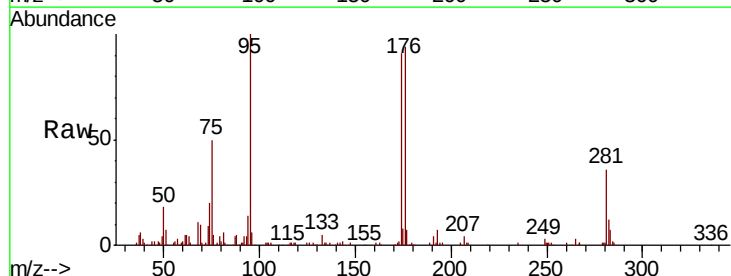
Tgt Ion: 95 Resp: 94183

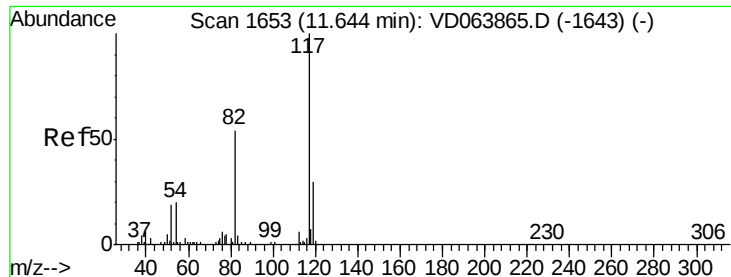
Ion Ratio Lower Upper

95 100

174 98.6 0.0 186.4

176 99.7 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

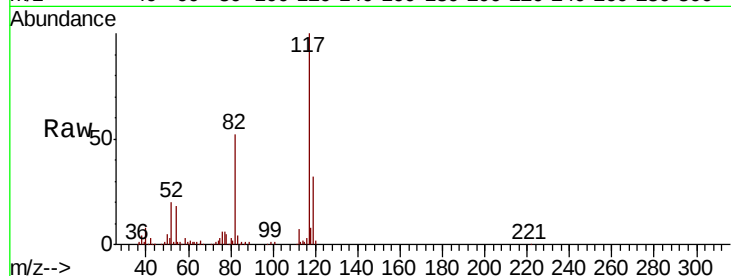
Tot Ion:117 Resp: 209726

Ion Ratio Lower Upper

117 100

82 52.4 42.8 64.2

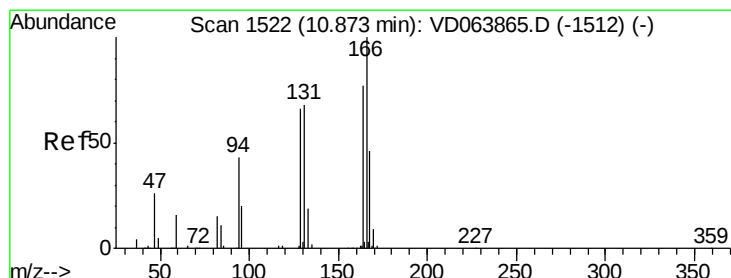
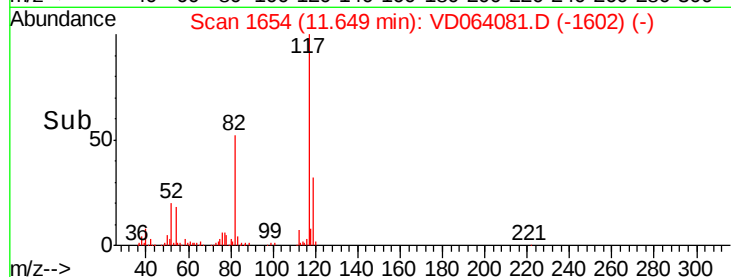
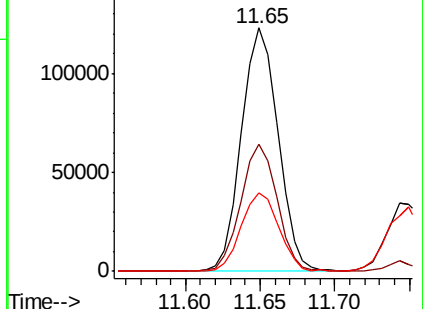
119 32.2 24.4 36.6



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: 54.500 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion:164 Resp: 78030

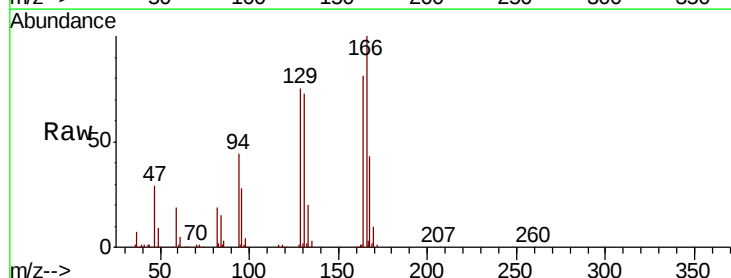
Ion Ratio Lower Upper

164 100

166 123.6 103.8 155.6

129 92.5 68.9 103.3

131 90.5 70.9 106.3

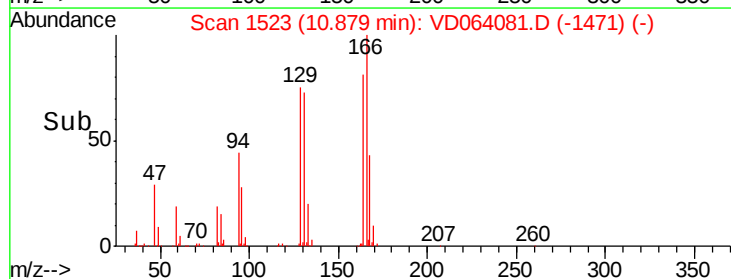
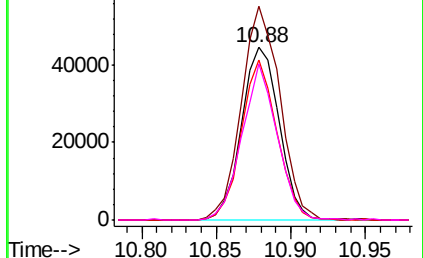


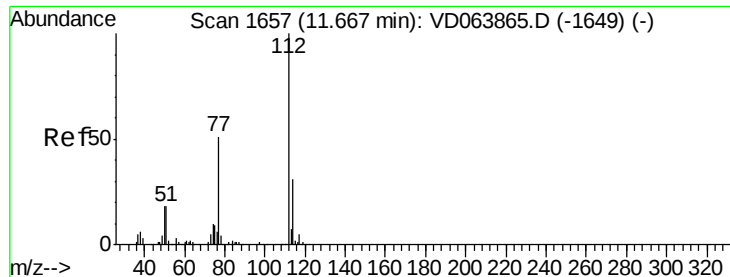
Abundance Ion 163.80 (163.50 to 164.50): V

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

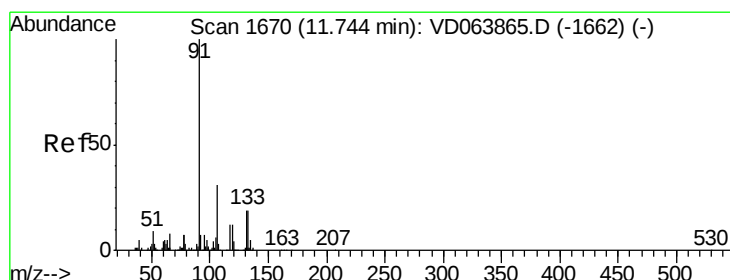
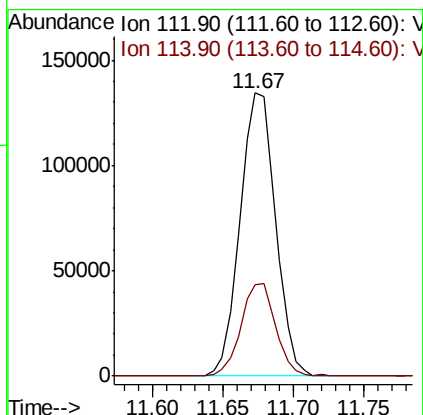
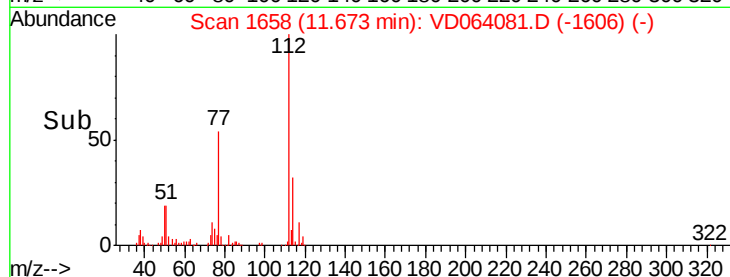
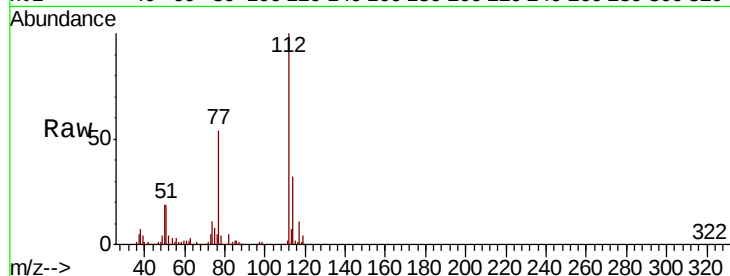




#65
Chlorobenzene
Concen: 56.471 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

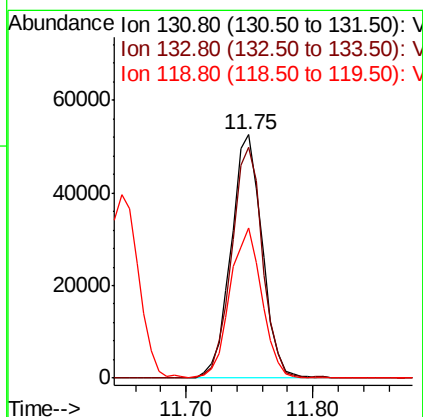
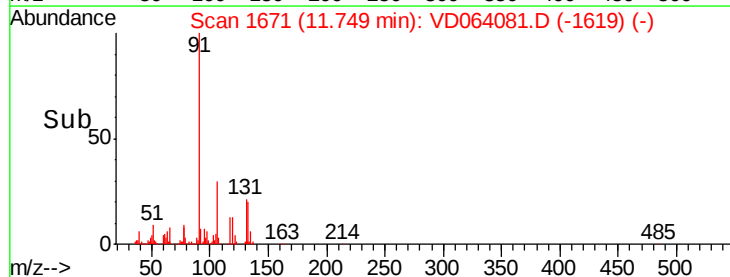
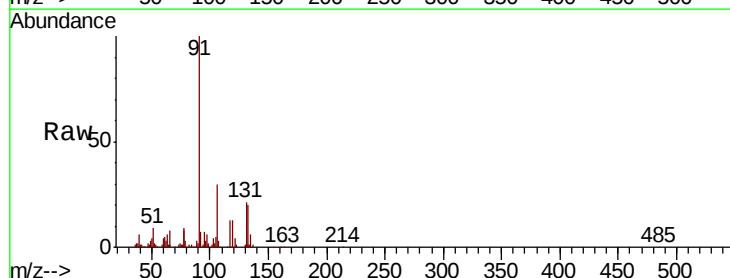
Instrument :
MSVOA_D
ClientSampled :

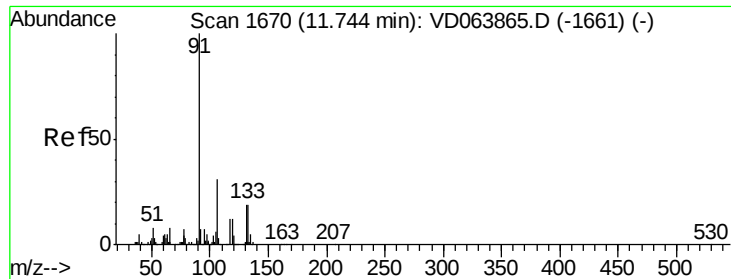
Tot Ion:112 Resp: 237849
Ion Ratio Lower Upper
112 100
114 32.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 57.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion:131 Resp: 89256
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 62.8 32.6 97.8

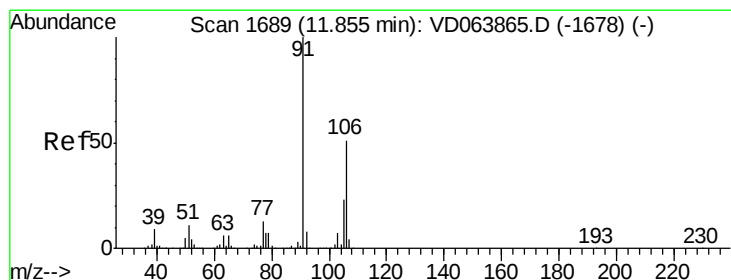
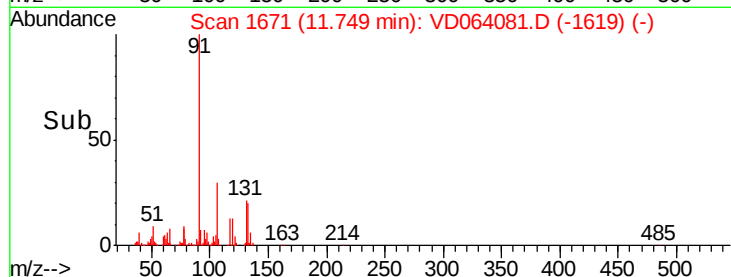
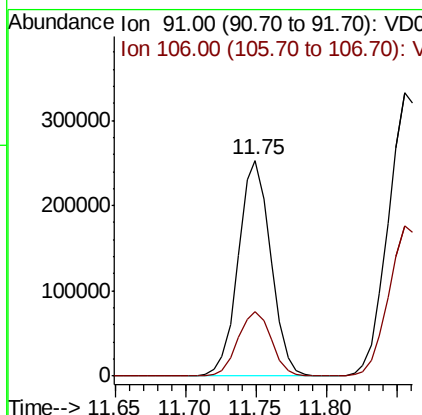
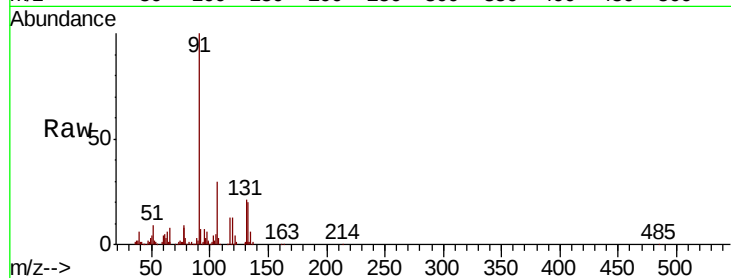




#67
Ethyl Benzene
Concen: 53.647 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

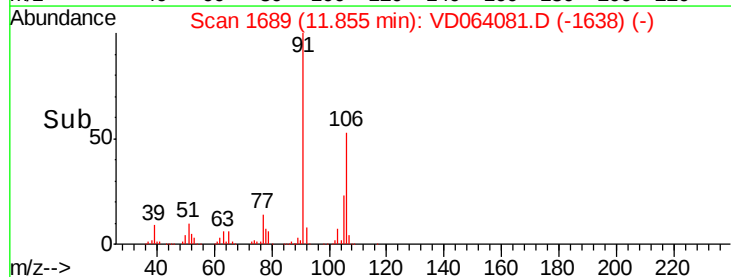
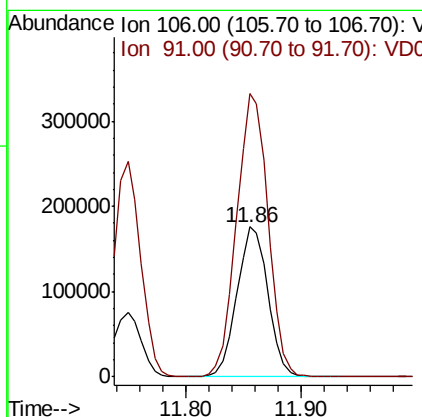
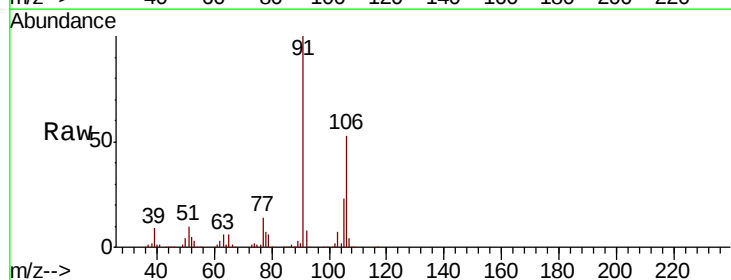
Instrument :
MSVOA_D
ClientSampled :

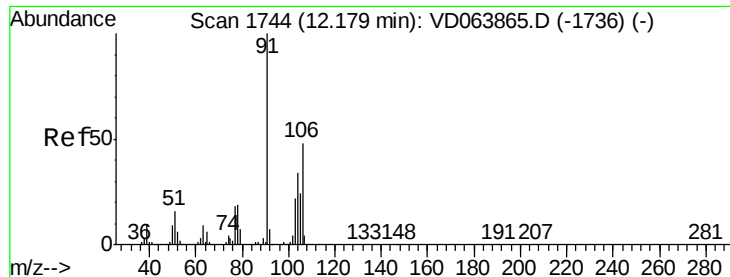
Tot Ion: 91 Resp: 407436
Ion Ratio Lower Upper
91 100
106 30.1 24.6 37.0



#68
m/p-Xylenes
Concen: 111.840 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 106 Resp: 327850
Ion Ratio Lower Upper
106 100
91 191.3 154.8 232.2

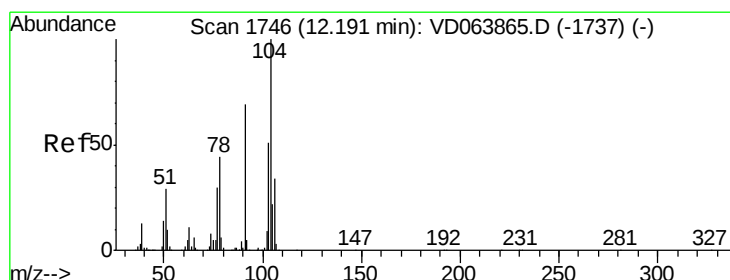
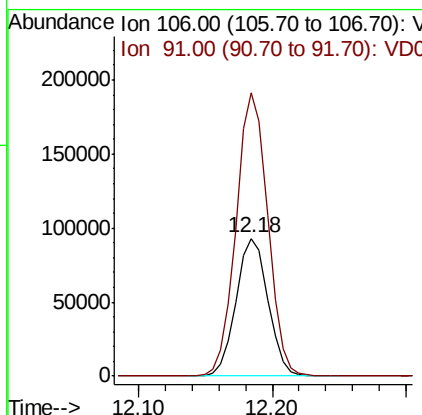
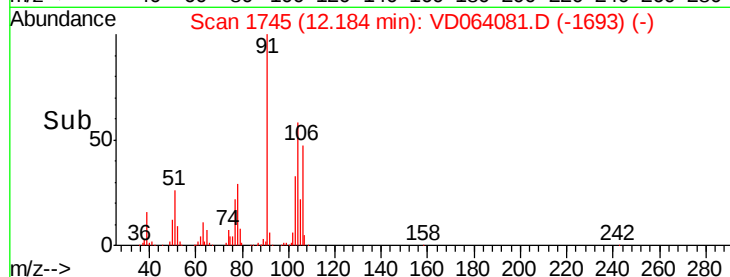
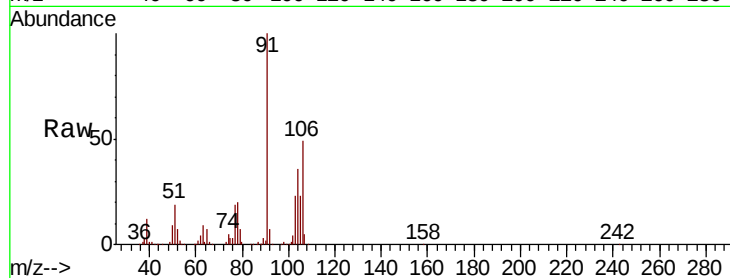




#69
o-Xylene
Concen: 54.956 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

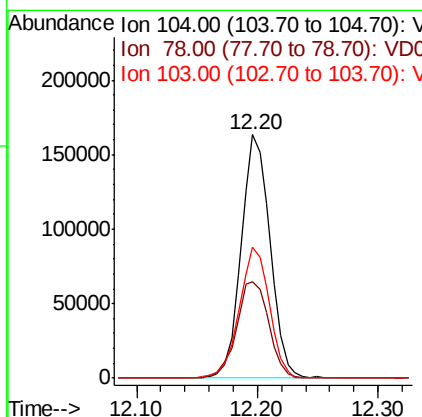
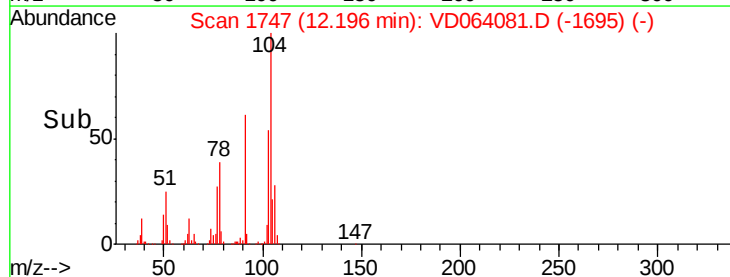
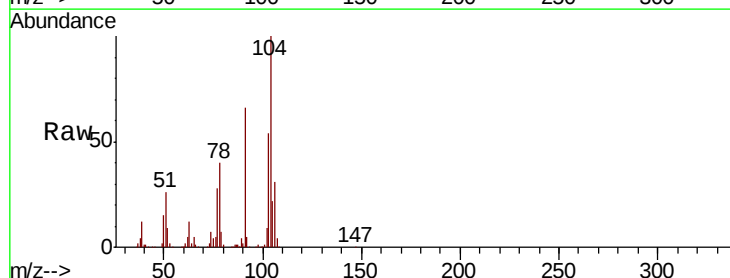
Instrument :
MSVOA_D
ClientSampleId :

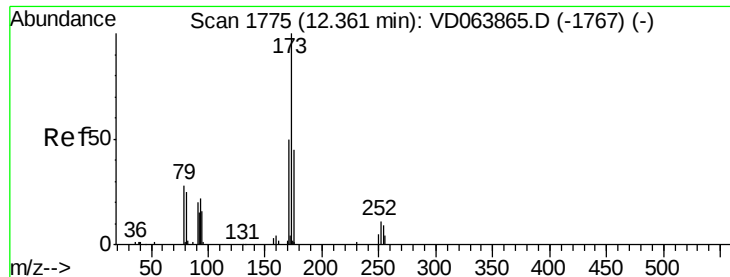
Tot Ion:106 Resp: 154259
Ion Ratio Lower Upper
106 100
91 203.9 103.9 311.7



#70
Styrene
Concen: 57.476 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion:104 Resp: 273115
Ion Ratio Lower Upper
104 100
78 44.4 37.0 55.4
103 56.0 44.2 66.4





#71

Bromoform

Concen: 63.787 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

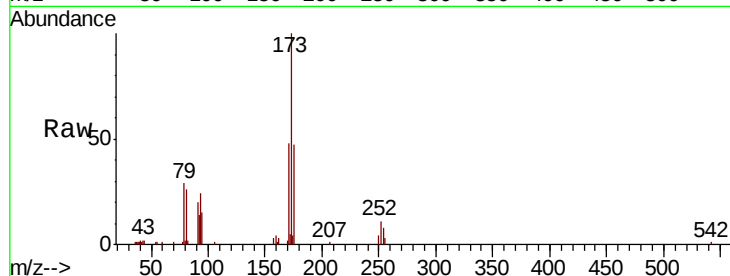
Tot Ion:173 Resp: 53128

Ion Ratio Lower Upper

173 100

175 47.6 24.6 74.0

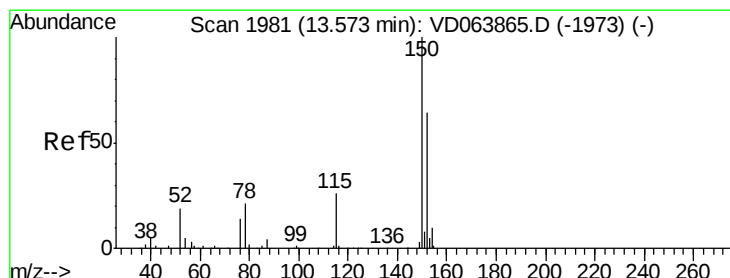
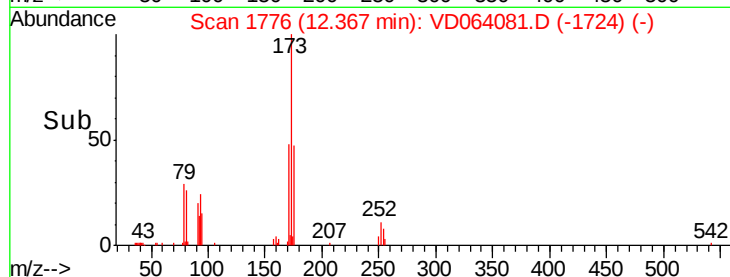
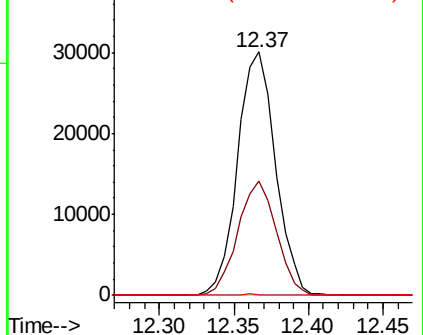
254 0.1 0.0 0.0#



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: VD064081.D

Acq: 25 Oct 2019 22:40

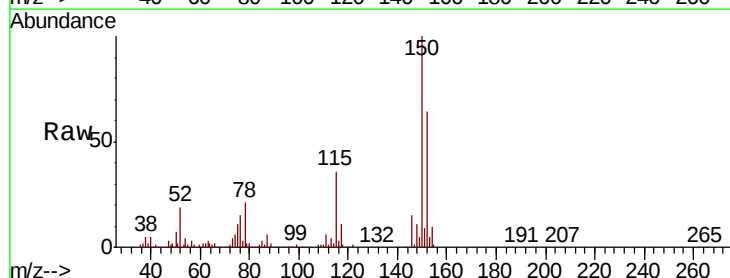
Tgt Ion:152 Resp: 125405

Ion Ratio Lower Upper

152 100

115 52.9 25.9 77.7

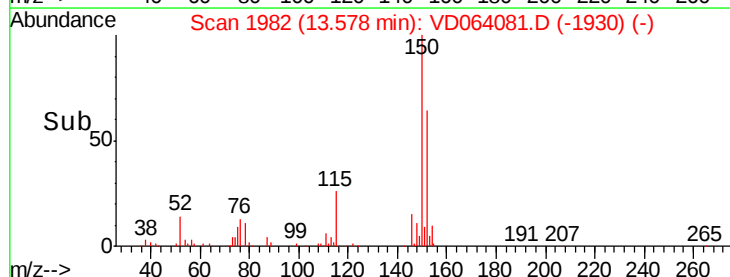
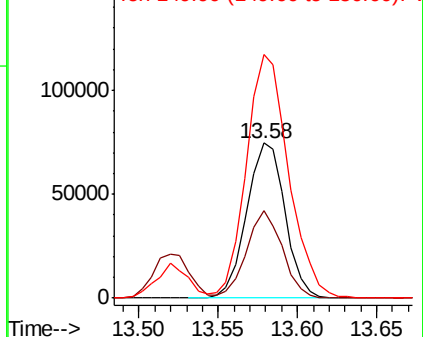
150 172.9 0.0 344.2

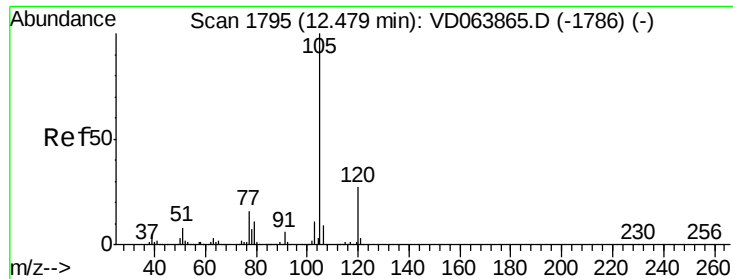


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.834 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

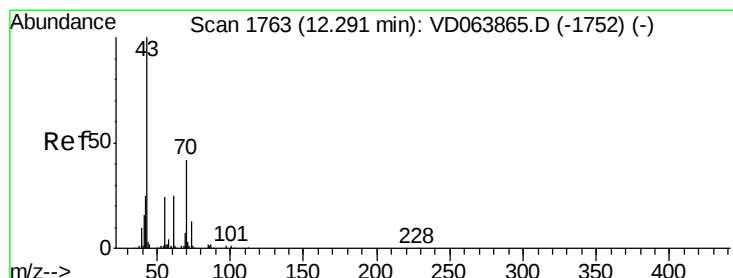
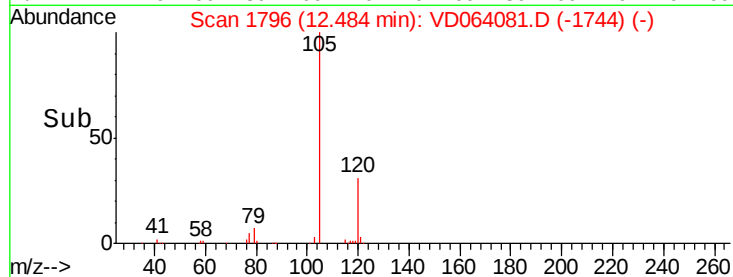
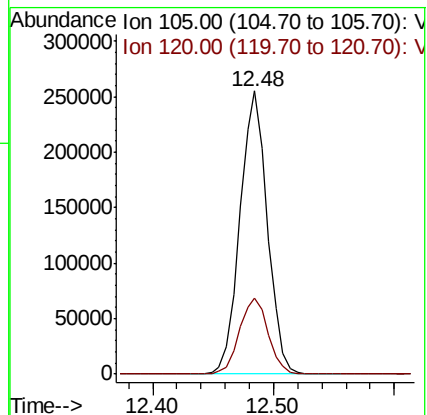
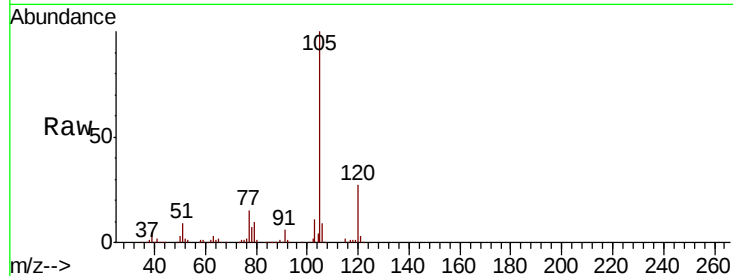
ClientSampleID :

Tot Ion:105 Resp: 403256

Ion Ratio Lower Upper

105 100

120 27.9 13.3 39.8



#74

N-ethyl acetate

Concen: 46.230 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Tgt Ion: 43 Resp: 83910

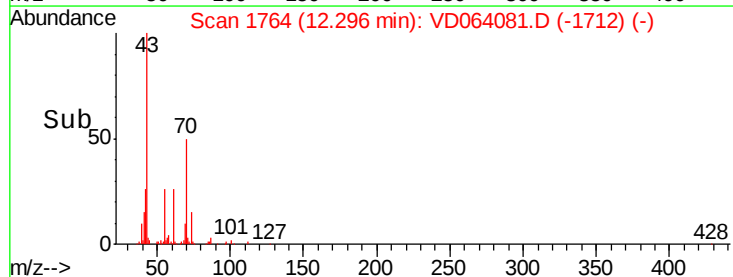
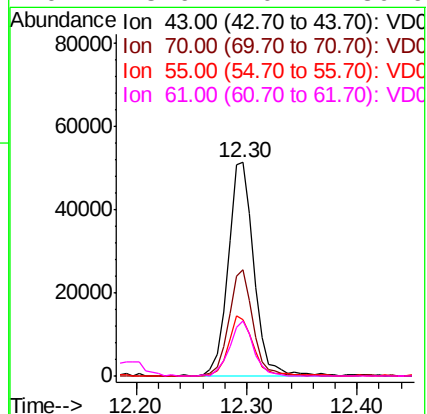
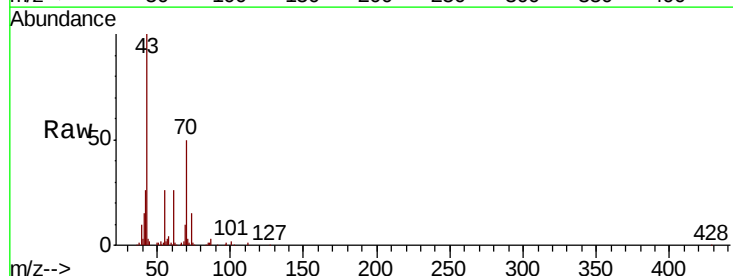
Ion Ratio Lower Upper

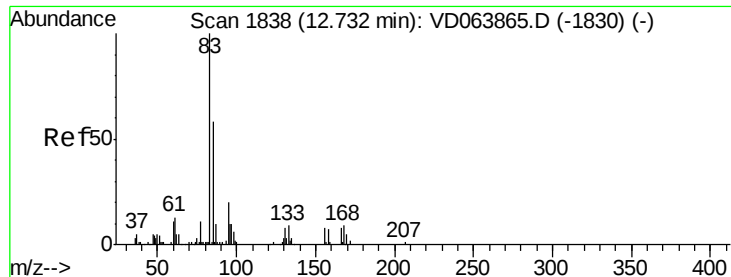
43 100

70 46.3 35.8 53.6

55 27.1 19.4 29.0

61 23.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.451 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

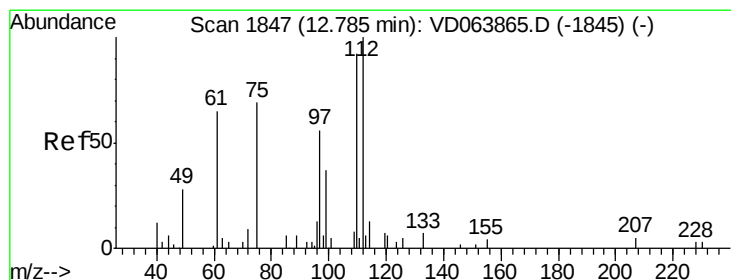
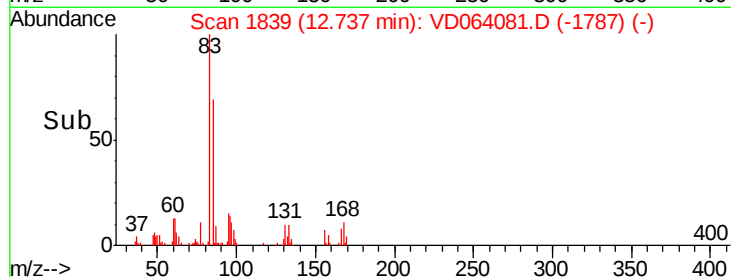
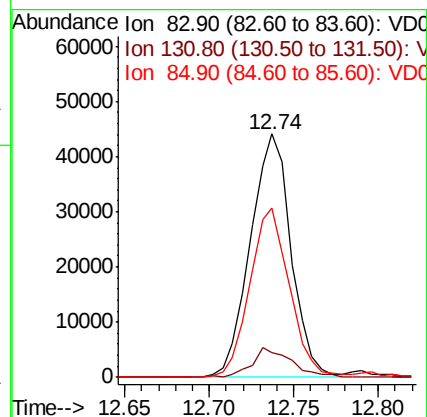
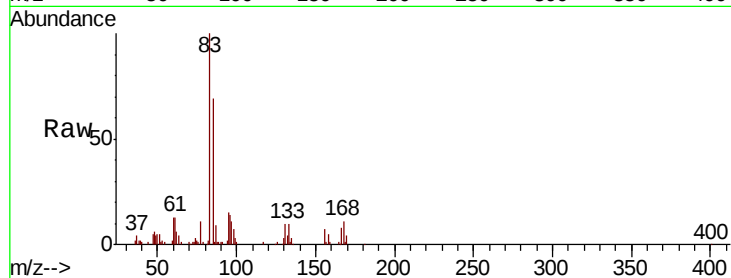
Tot Ion: 83 Resp: 74011

Ion Ratio Lower Upper

83 100

131 11.9 5.6 16.8

85 67.8 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 112.694 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064081.D

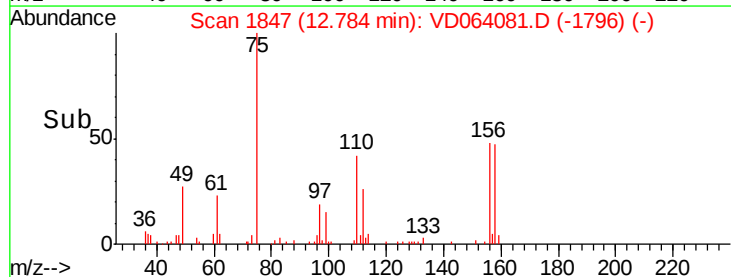
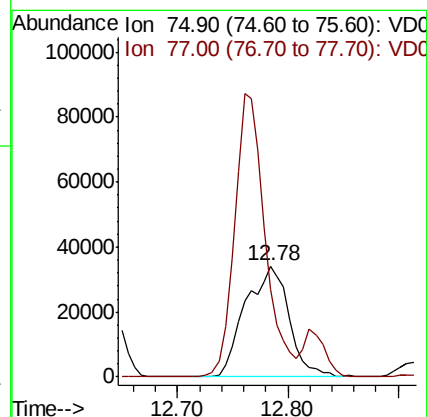
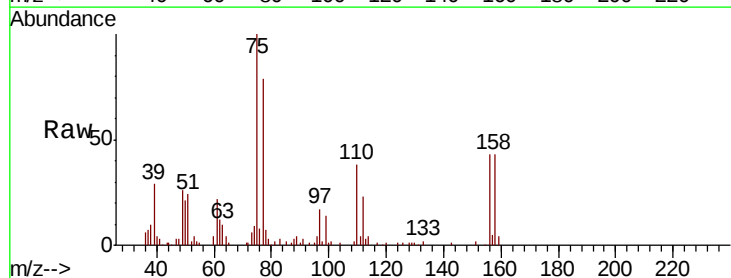
Acq: 25 Oct 2019 22:40

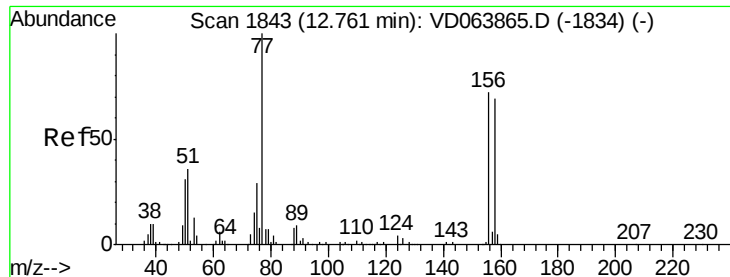
Tgt Ion: 75 Resp: 94655

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.858 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

ClientSampleId :

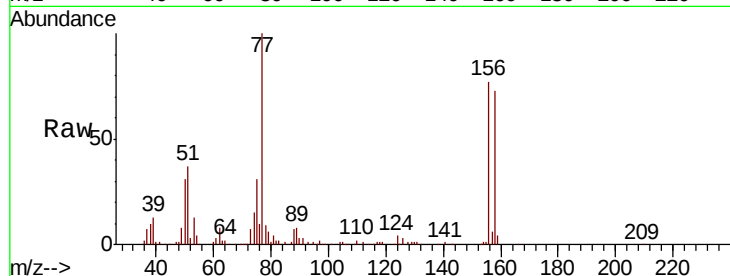
Tot Ion:156 Resp: 108920

Ion Ratio Lower Upper

156 100

77 154.6 80.3 241.0

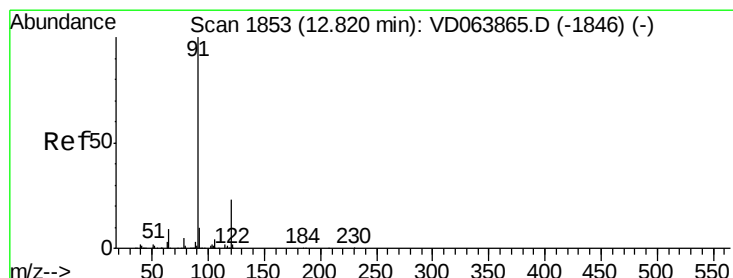
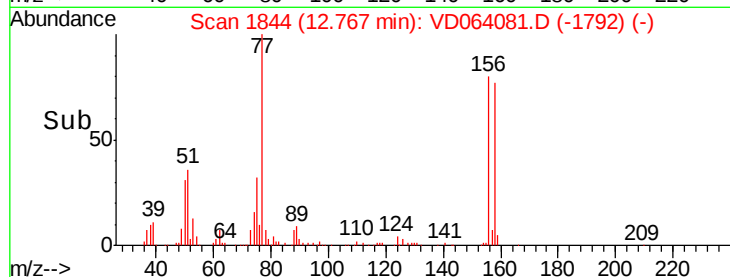
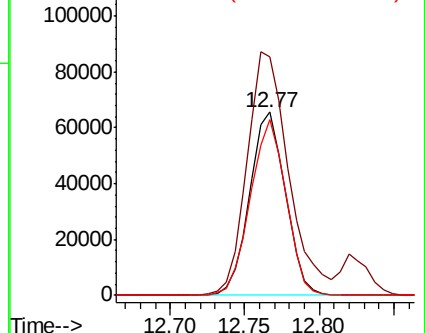
158 95.2 47.4 142.2



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: 49.509 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064081.D

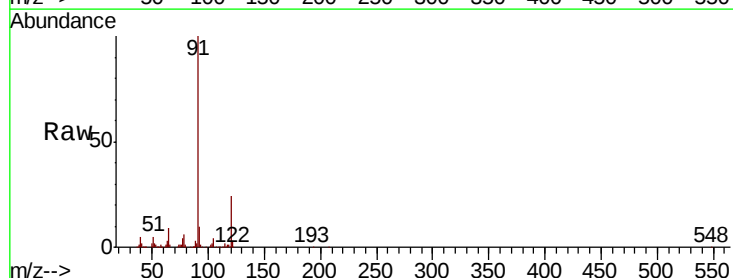
Acq: 25 Oct 2019 22:40

Tgt Ion: 91 Resp: 489912

Ion Ratio Lower Upper

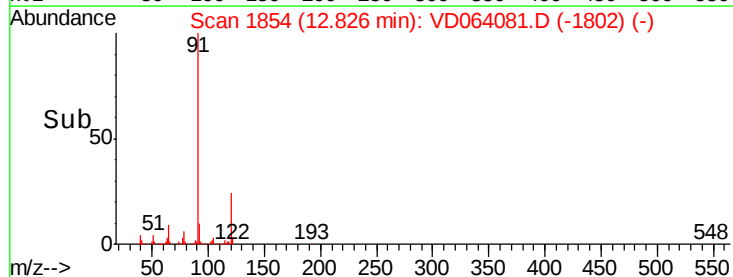
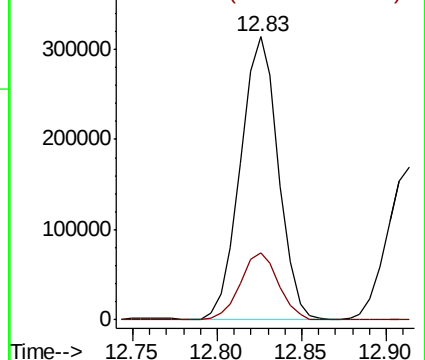
91 100

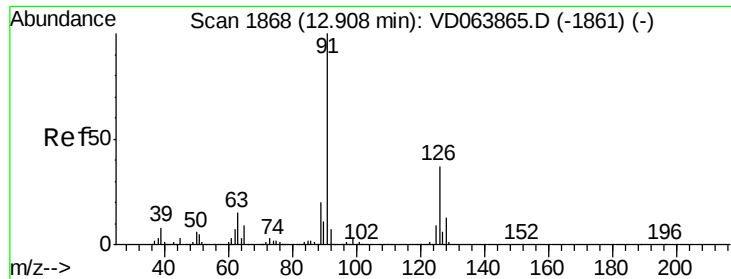
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.553 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

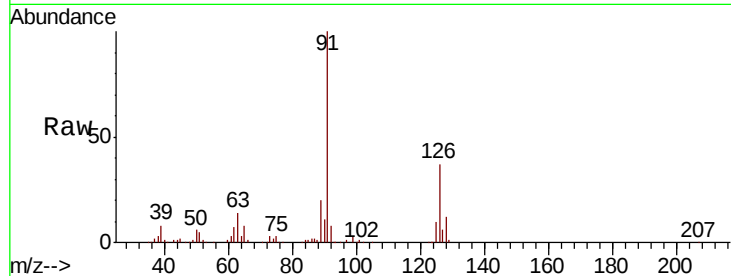
ClientSampled :

Tot Ion: 91 Resp: 275836

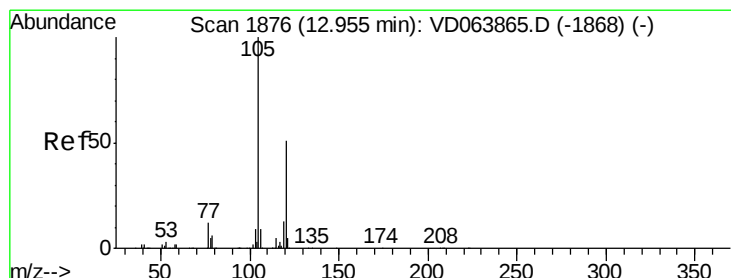
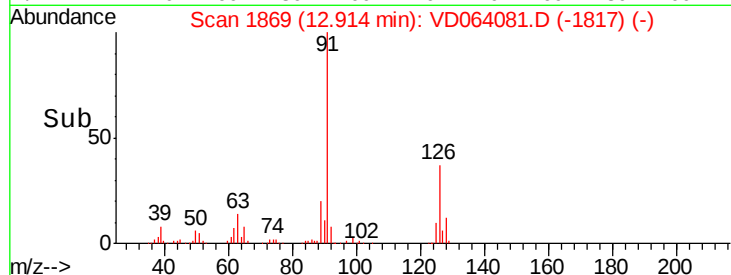
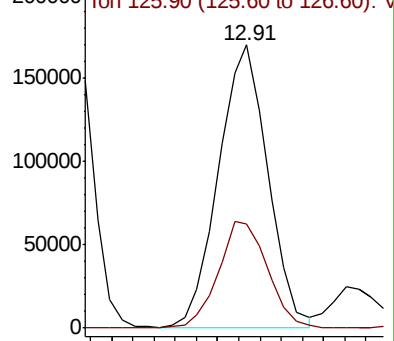
Ion Ratio Lower Upper

91 100

126 37.5 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.370 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064081.D

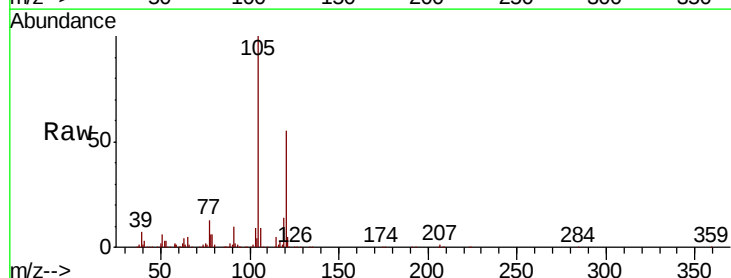
Acq: 25 Oct 2019 22:40

Tgt Ion:105 Resp: 354262

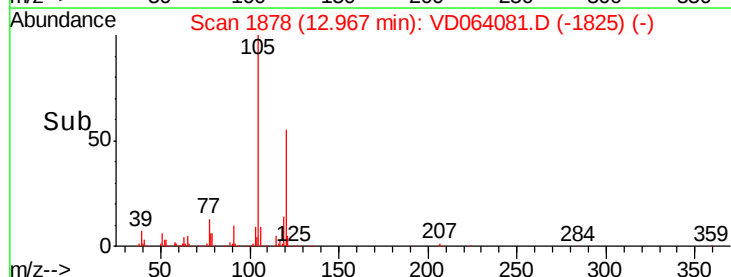
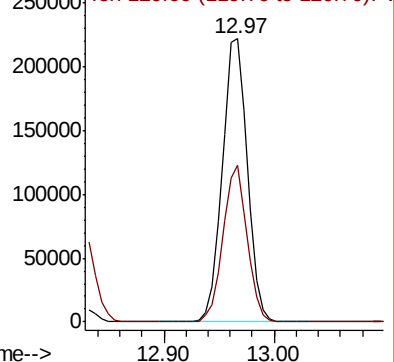
Ion Ratio Lower Upper

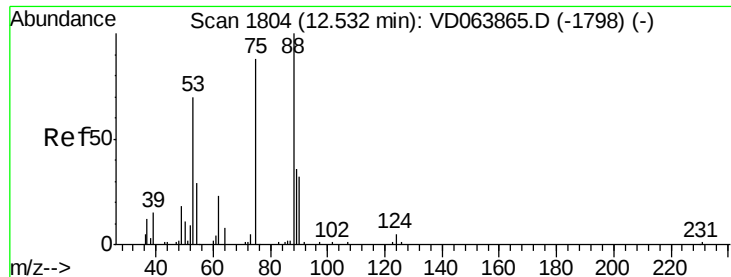
105 100

120 53.1 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.101 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

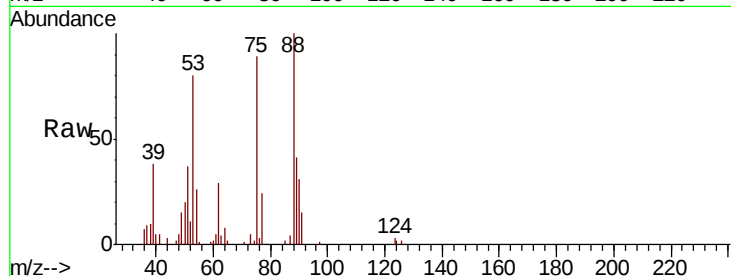
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 22356

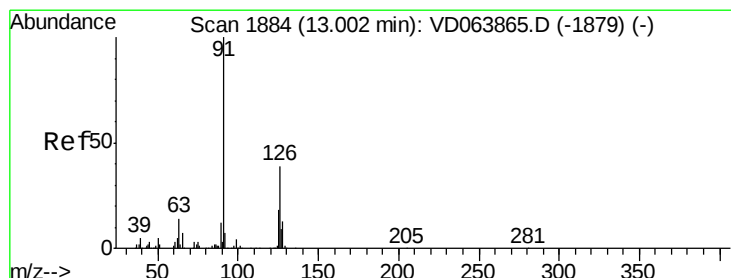
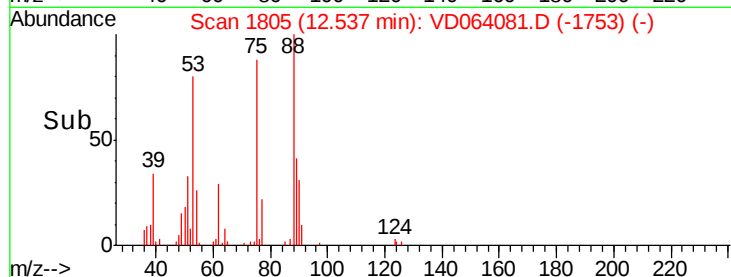
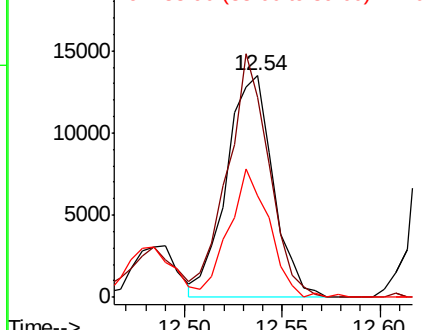
Ion	Ratio	Lower	Upper
75	100		
53	98.0	75.0	112.6
89	49.8	38.2	57.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.123 ug/l

RT: 13.01 min Scan# 1885

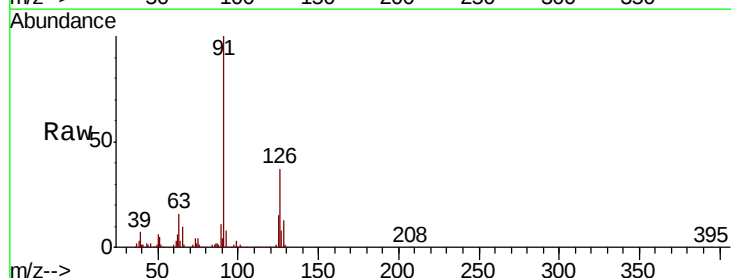
Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

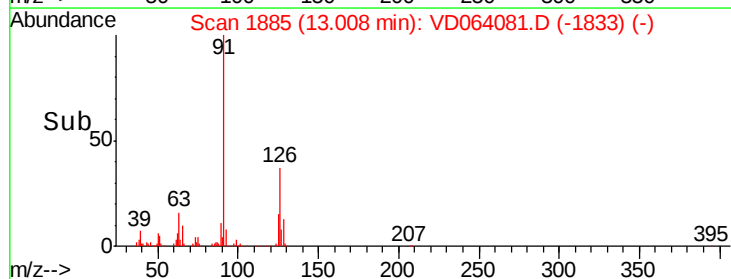
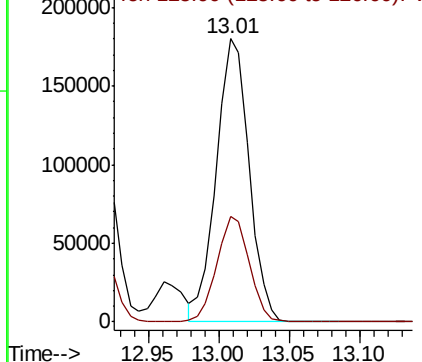
Tgt Ion: 91 Resp: 290119

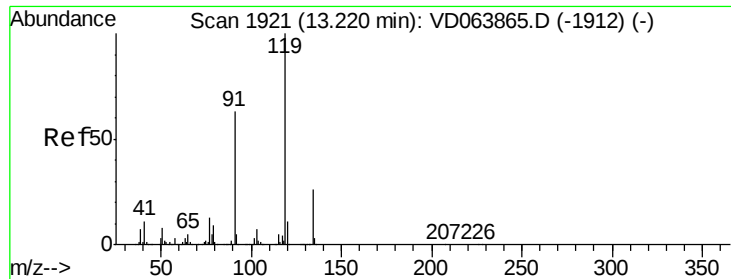
Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.6	55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

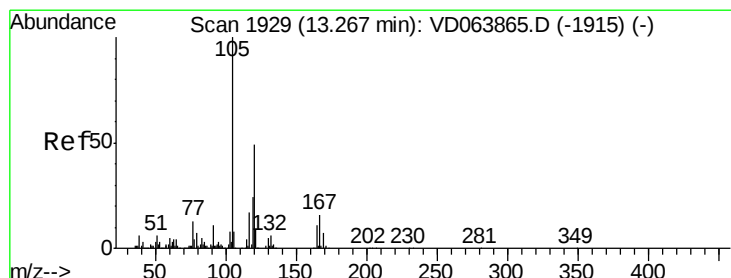
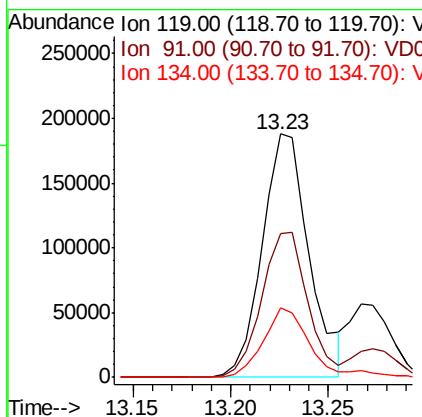
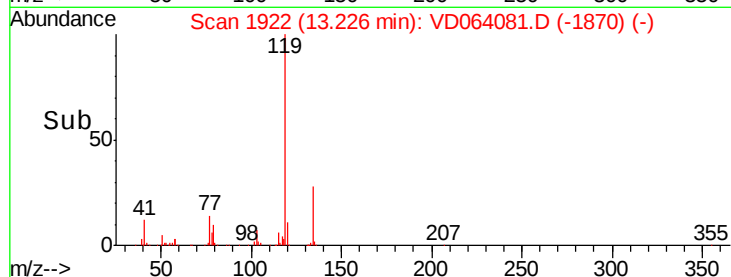
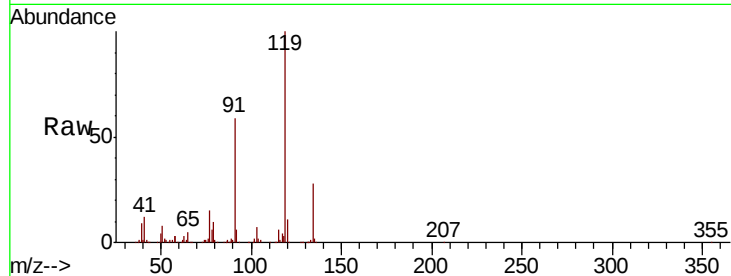




#83
 tert-Butylbenzene
 Concen: 49.984 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

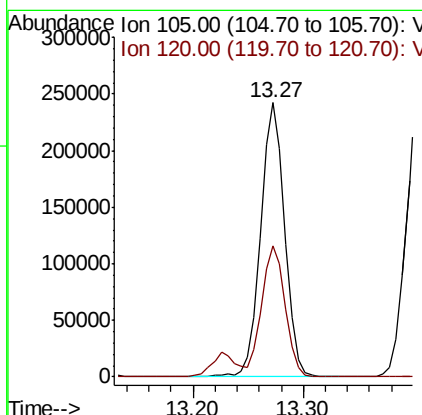
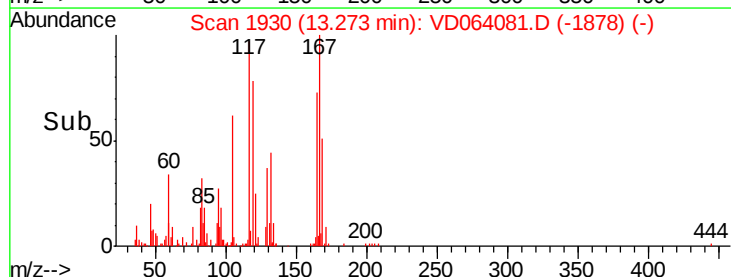
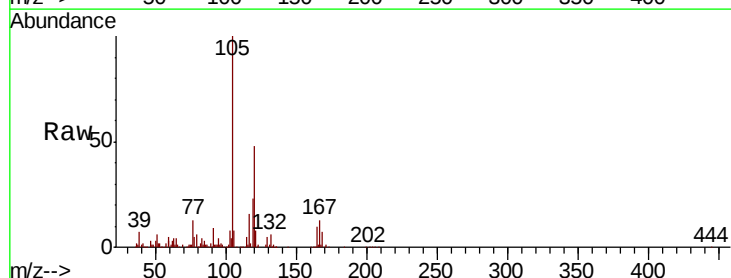
Instrument :
 MSVOA_D
 ClientSampleID :

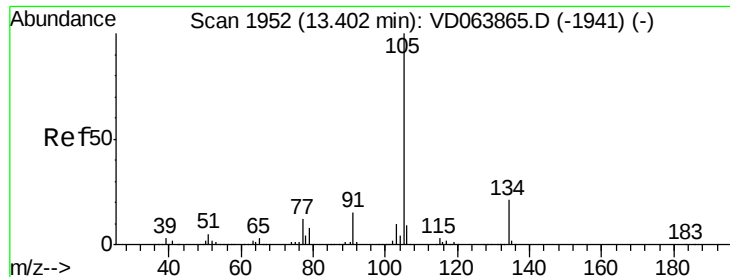
Tot Ion:119 Resp: 312869
 Ion Ratio Lower Upper
 119 100
 91 58.5 30.0 90.0
 134 28.9 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 50.899 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion:105 Resp: 369060
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.8 71.5





#85

sec-Butylbenzene

Concen: 50.203 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

Instrument :

MSVOA_D

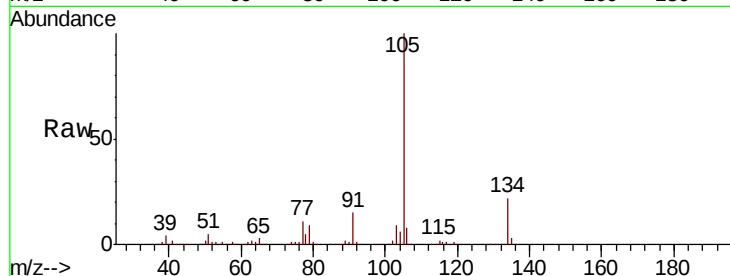
ClientSampleId :

Tot Ion:105 Resp: 424371

Ion Ratio Lower Upper

105 100

134 21.6 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

250000

200000

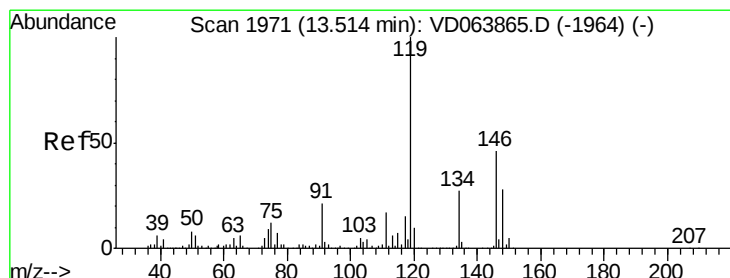
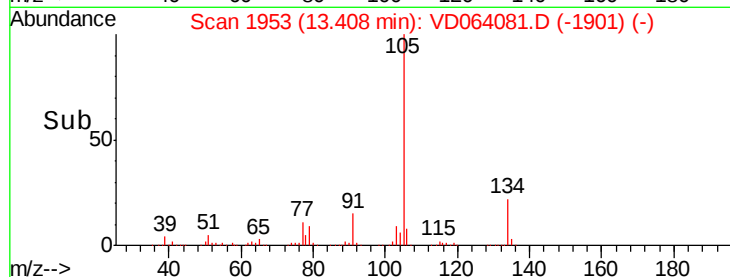
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 51.291 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064081.D

Acq: 25 Oct 2019 22:40

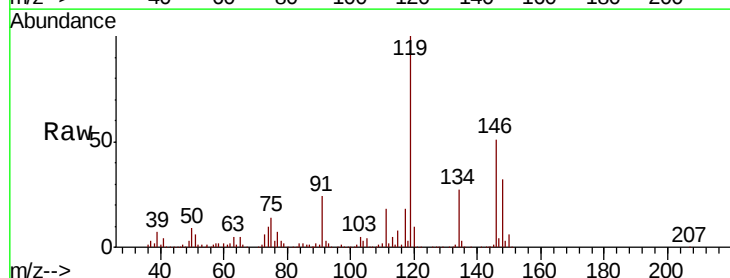
Tgt Ion:119 Resp: 410270

Ion Ratio Lower Upper

119 100

134 27.3 13.9 41.6

91 21.7 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

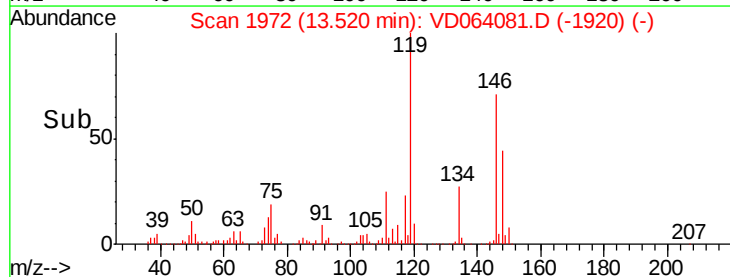
300000

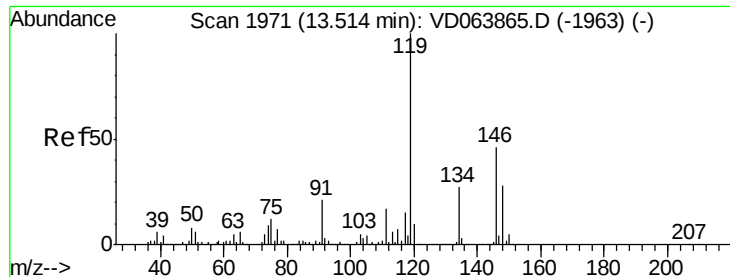
200000

100000

0

Time--> 13.40 13.50 13.60

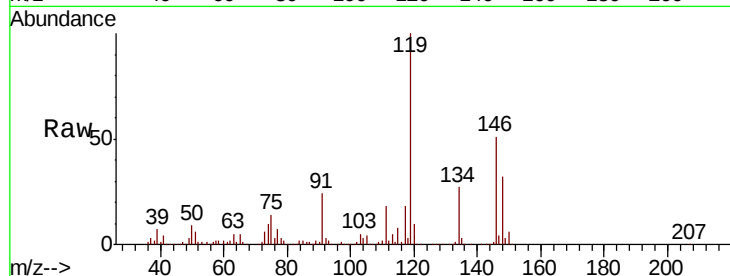




#87
 1,3-Dichlorobenzene
 Concen: 53.770 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.3	54.9
148	62.2	31.8	95.4

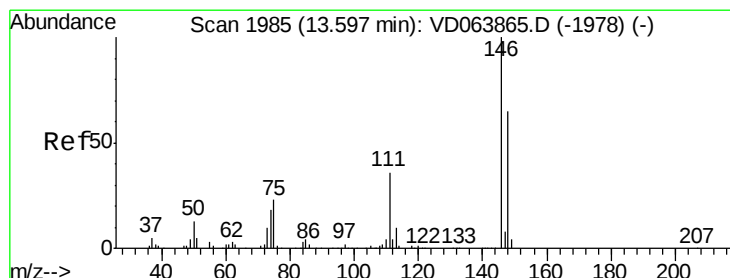
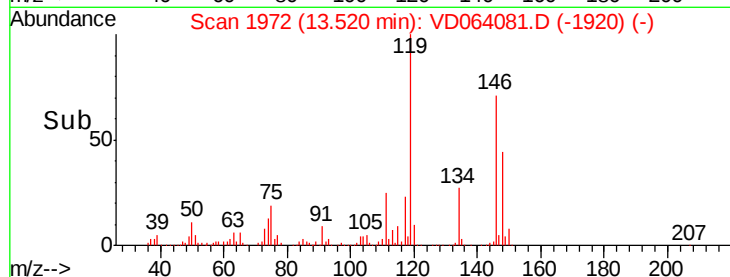
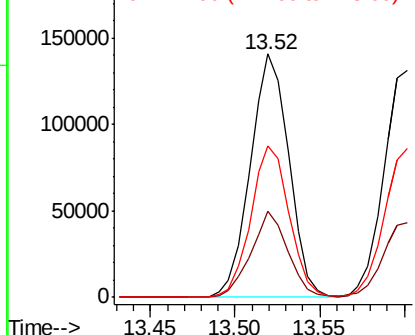


Abundance

Ion 145.90 (145.60 to 146.60): V

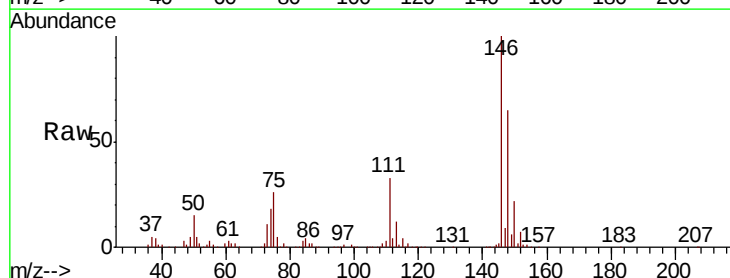
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 53.070 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.6	56.0
148	64.3	32.6	98.0

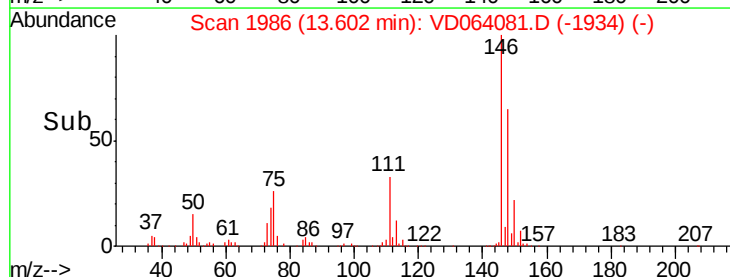
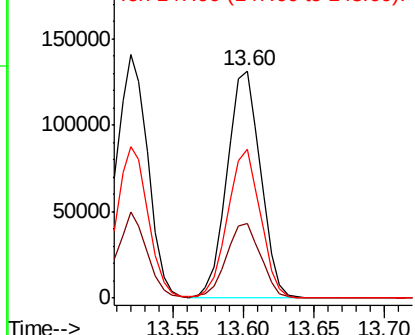


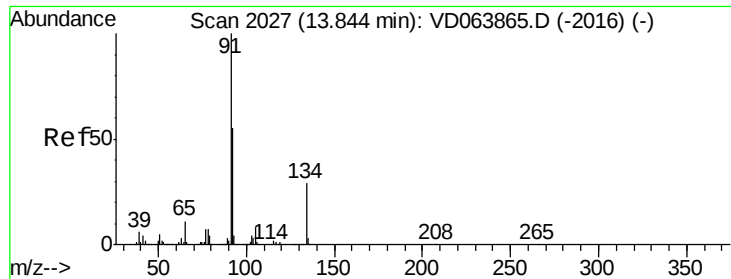
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

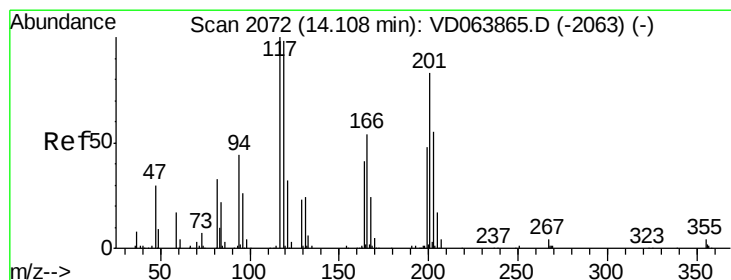
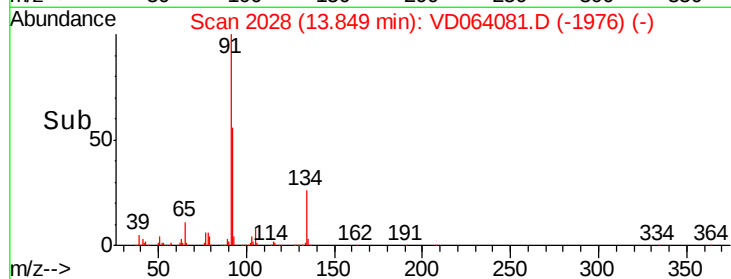
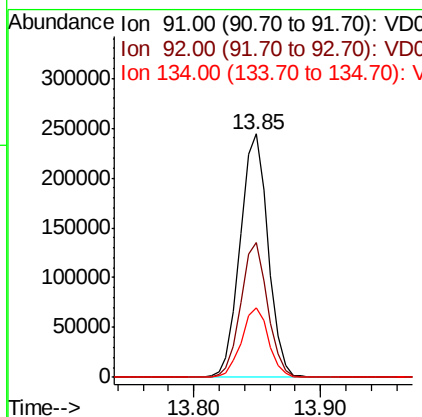
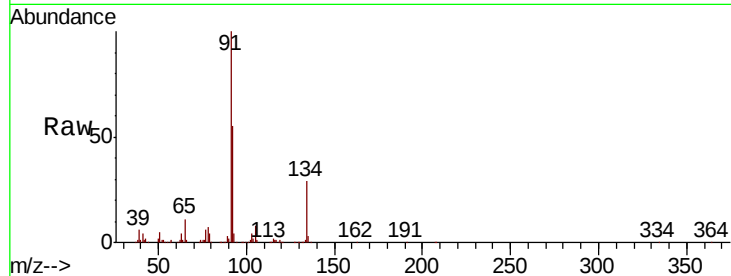




#89
n-Butylbenzene
Concen: 49.920 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

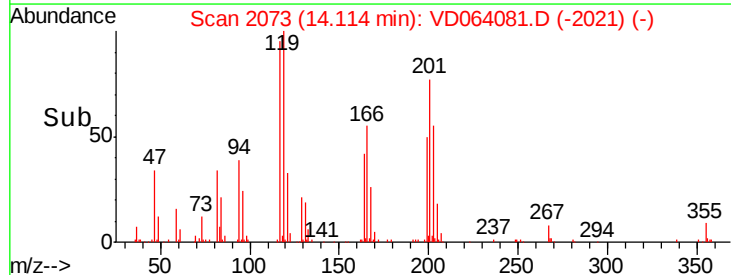
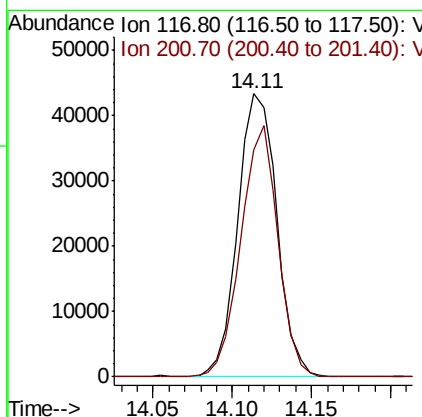
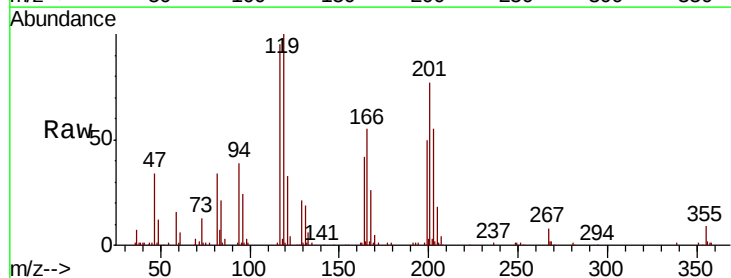
Instrument :
MSVOA_D
ClientSampleId :

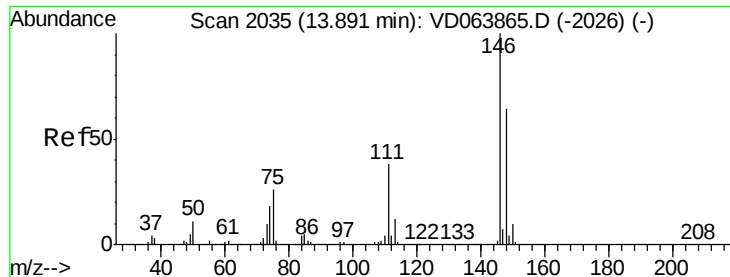
Tot Ion: 91 Resp: 371682
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.3
134 27.7 14.4 43.0



#90
Hexachloroethane
Concen: 51.575 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion: 117 Resp: 74198
Ion Ratio Lower Upper
117 100
201 84.3 40.6 121.7

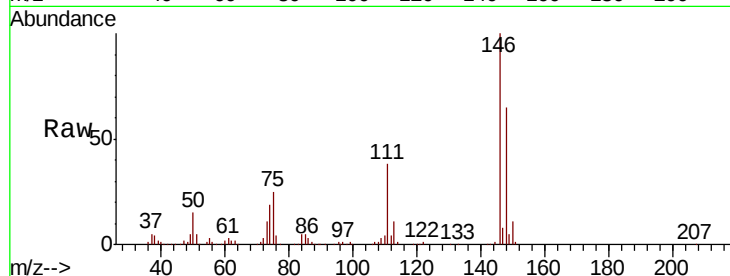




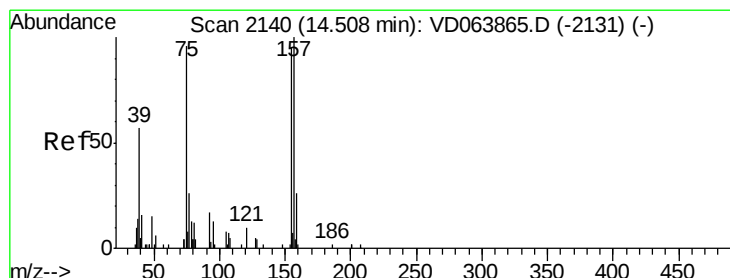
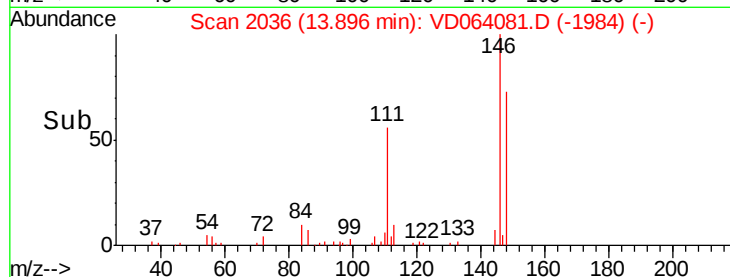
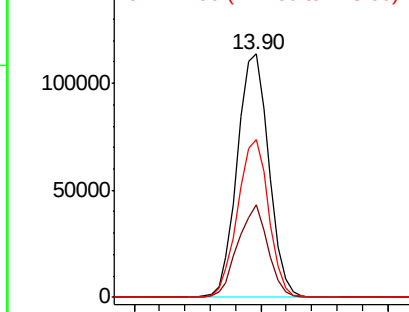
#91
 1,2-Dichlorobenzene
 Concen: 54.964 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.6	55.6
148	63.5	31.6	95.0

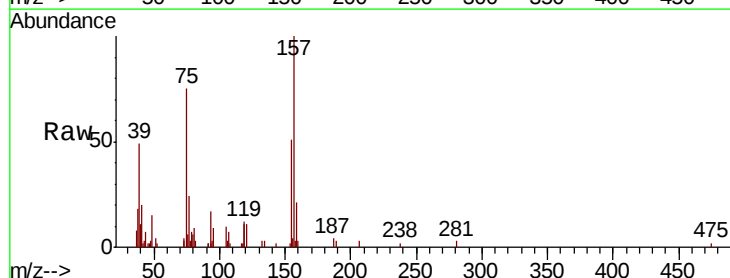


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

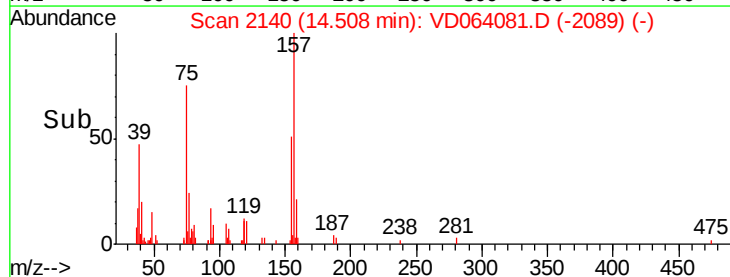
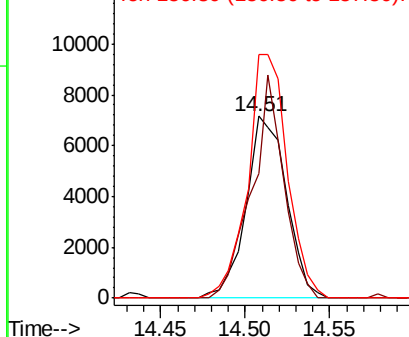


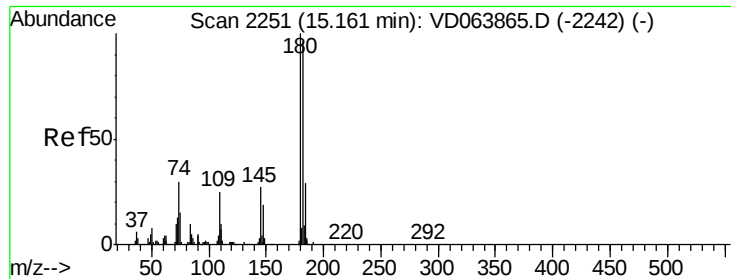
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.383 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	43.9	131.6
157	131.8	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

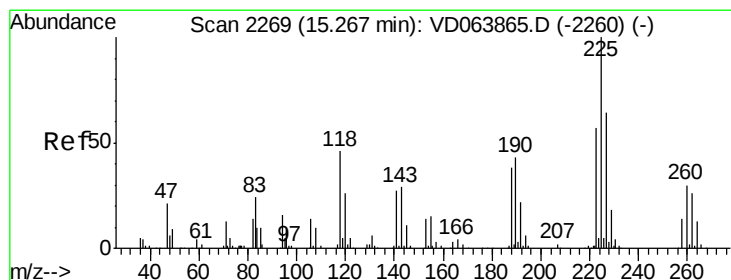
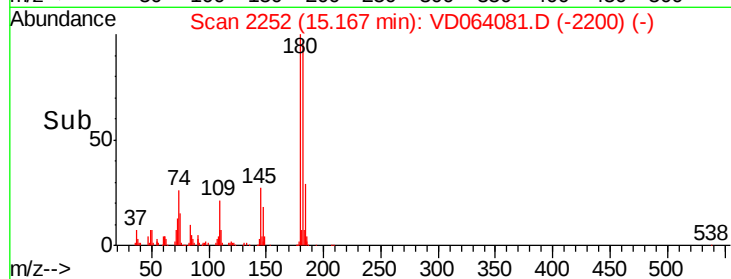
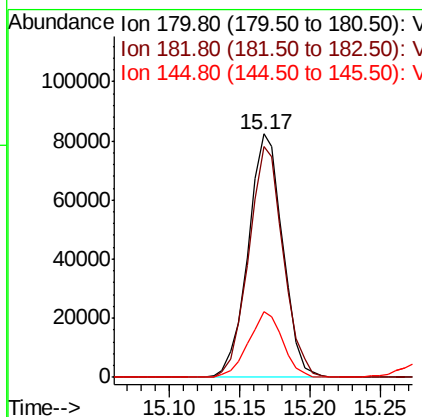
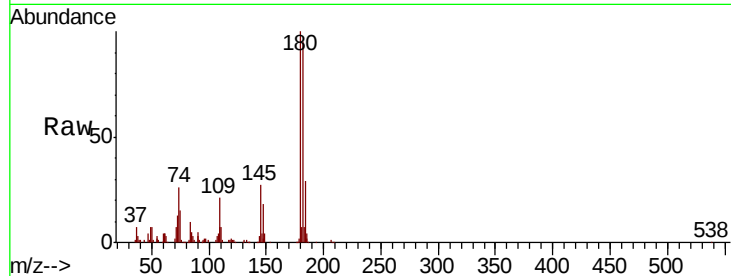




#93
 1,2,4-Trichlorobenzene
 Concen: 51.247 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

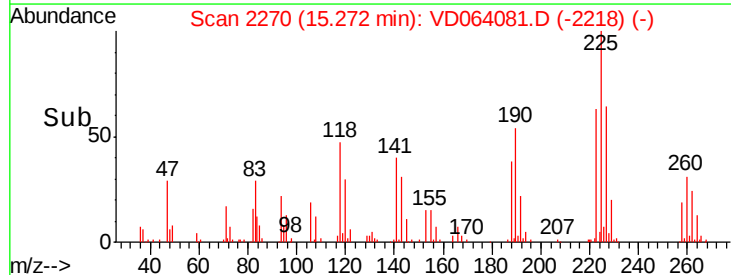
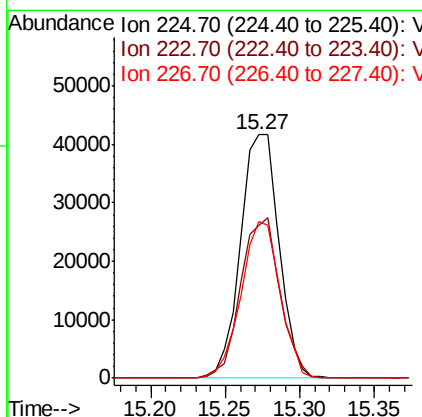
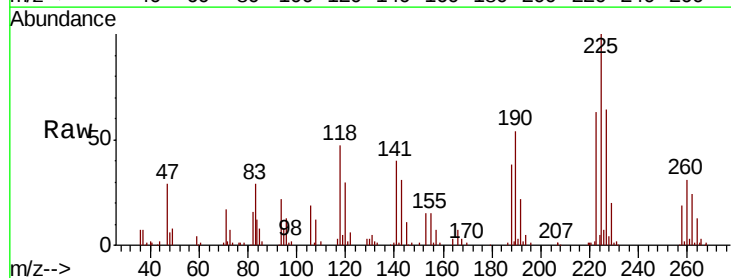
Instrument :
 MSVOA_D
 ClientSampleId :

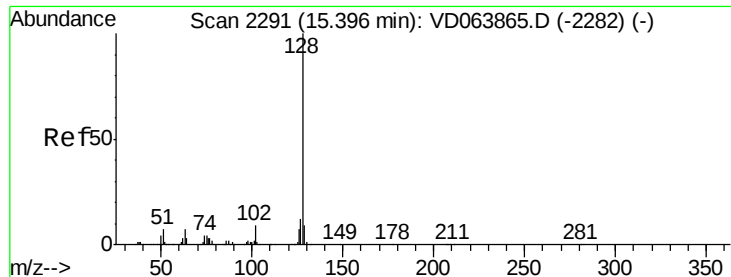
Tot Ion:180 Resp: 141422
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.4 142.3
 145 26.7 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 48.993 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064081.D
 Acq: 25 Oct 2019 22:40

Tgt Ion:225 Resp: 74609
 Ion Ratio Lower Upper
 225 100
 223 66.9 29.5 88.6
 227 65.0 30.8 92.4

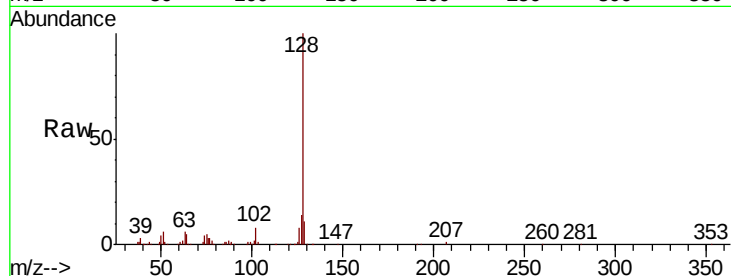




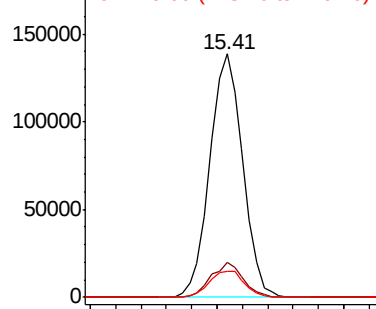
#95
Naphthalene
Concen: 53.782 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Instrument :
MSVOA_D
ClientSampleId :

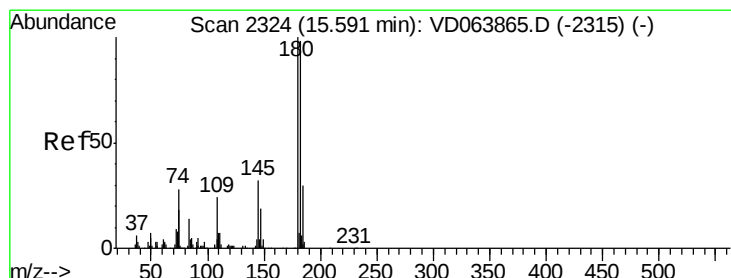
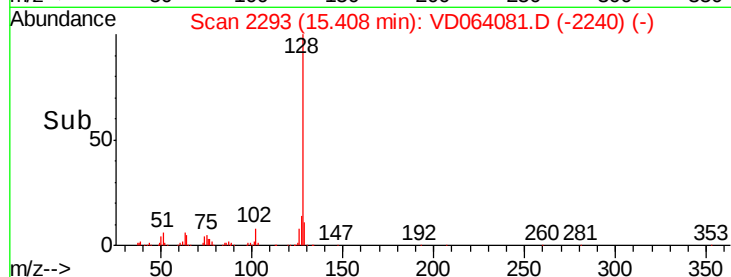
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	16.0
129	11.7	8.6	13.0



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

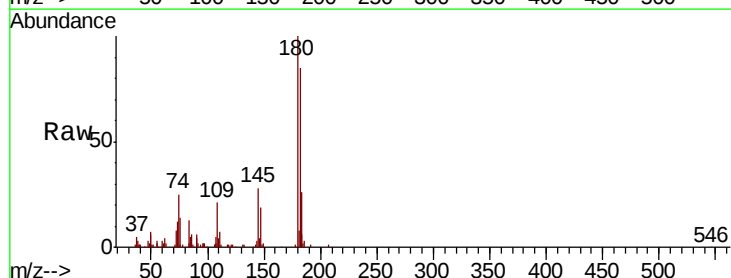


Time--> 15.30 15.40 15.50

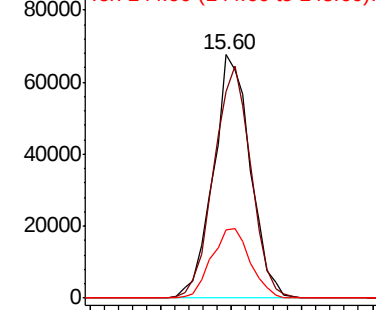


#96
1,2,3-Trichlorobenzene
Concen: 52.073 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064081.D
Acq: 25 Oct 2019 22:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	29.9	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

