

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD123119\
 Data File : VD064686.D
 Acq On : 31 Dec 2019 10:58
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Quant Time: Jan 01 00:44:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	535176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	457410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156661	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.91	113	158673	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.34	98	618300	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	188793	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52470	18.151	ug/l	94
3) Chloromethane	2.21	50	79125	19.572	ug/l	97
4) Vinyl Chloride	2.35	62	95790	19.433	ug/l	97
5) Bromomethane	2.77	94	68521	19.118	ug/l	99
6) Chloroethane	2.92	64	66203	20.044	ug/l	96
7) Trichlorofluoromethane	3.27	101	156036	18.800	ug/l	98
8) Diethyl Ether	3.70	74	30950	18.778	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	65980	19.195	ug/l	99
10) Methyl Iodide	4.29	142	65995	17.874	ug/l	98
11) Tert butyl alcohol	5.26	59	16020	85.225	ug/l #	70
12) 1,1-Dichloroethene	4.05	96	63793	19.494	ug/l	97
13) Acrolein	3.91	56	20161	76.959	ug/l	100
14) Allyl chloride	4.71	41	99574	19.516	ug/l	99
15) Acrylonitrile	5.43	53	61927	90.205	ug/l	98
16) Acetone	4.16	43	64365	89.119	ug/l	98
17) Carbon Disulfide	4.40	76	200892	18.985	ug/l	99
18) Methyl Acetate	4.71	43	33309	18.038	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	133157	18.319	ug/l	95
20) Methylene Chloride	4.96	84	74860	19.317	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	73273	19.661	ug/l	97
22) Diisopropyl ether	6.36	45	193789	19.042	ug/l #	98
23) Vinyl Acetate	6.31	43	509934	88.332	ug/l	98
24) 1,1-Dichloroethane	6.26	63	124746	20.419	ug/l	98
25) 2-Butanone	7.22	43	78699	87.291	ug/l	98
26) 2,2-Dichloropropane	7.20	77	113152	19.920	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	77644	19.304	ug/l	97
28) Bromochloromethane	7.54	49	44347	18.673	ug/l	98
29) Tetrahydrofuran	7.56	42	47720	85.113	ug/l	99
30) Chloroform	7.71	83	127794	19.937	ug/l	93
31) Cyclohexane	7.98	56	112912	18.463	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	119313	19.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	98711	19.163	ug/l	98
37) Ethyl Acetate	7.30	43	37793	18.676	ug/l	99
38) Carbon Tetrachloride	8.10	117	108900	19.827	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	112377	18.012	ug/l	99
40) Benzene	8.35	78	271634	19.317	ug/l	100
41) Methacrylonitrile	7.52	41	16818	14.324	ug/l #	72
42) 1,2-Dichloroethane	8.42	62	78274	19.263	ug/l	99
43) Isopropyl Acetate	8.45	43	69054	17.144	ug/l	98
44) Trichloroethene	9.11	130	80470	19.480	ug/l	95
45) 1,2-Dichloropropane	9.38	63	66277	19.740	ug/l	99
46) Dibromomethane	9.48	93	33484	17.888	ug/l	92
47) Bromodichloromethane	9.66	83	94932	19.059	ug/l	98
48) Methyl methacrylate	9.46	41	31764	16.749	ug/l	87
49) 1,4-Dioxane	9.47	88	7378	341.825	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	169744	85.262	ug/l	100
52) Toluene	10.40	92	182118	19.740	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	86610	18.650	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	105622	19.289	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	45308	17.960	ug/l	94
56) Ethyl methacrylate	10.66	69	55722	17.687	ug/l	97
57) 1,3-Dichloropropane	10.94	76	80206	18.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	109459	91.191	ug/l	99
59) 2-Hexanone	10.98	43	112621	83.347	ug/l	99
60) Dibromochloromethane	11.14	129	63340	18.157	ug/l	100
61) 1,2-Dibromoethane	11.25	107	45469	18.274	ug/l	98
64) Tetrachloroethene	10.87	164	69052	19.678	ug/l	95
65) Chlorobenzene	11.67	112	185683	19.559	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71602	20.007	ug/l	98
67) Ethyl Benzene	11.75	91	338131	19.623	ug/l	99
68) m/p-Xylenes	11.86	106	255582	38.428	ug/l	95
69) o-Xylene	12.18	106	118215	19.678	ug/l	100
70) Styrene	12.20	104	201452	19.105	ug/l	100
71) Bromoform	12.36	173	36989	18.123	ug/l #	100
73) Isopropylbenzene	12.48	105	318504	20.183	ug/l	99
74) N-amyl acetate	12.29	43	61678	18.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47148	19.019	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	62758	35.990	ug/l #	100
77) Bromobenzene	12.77	156	77544	19.998	ug/l	97
78) n-propylbenzene	12.83	91	375232	20.382	ug/l	98
79) 2-Chlorotoluene	12.91	91	207483	20.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	269144	20.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15568	18.672	ug/l	97
82) 4-Chlorotoluene	13.01	91	218910	20.340	ug/l	100
83) tert-Butylbenzene	13.23	119	224408	19.938	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	256908	19.899	ug/l	97
85) sec-Butylbenzene	13.41	105	307746	19.944	ug/l	100
86) p-Isopropyltoluene	13.53	119	285969	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	143518	19.416	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	141837	19.533	ug/l	98
89) n-Butylbenzene	13.86	91	261956	19.716	ug/l	100
90) Hexachloroethane	14.12	117	56436	20.024	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	122761	19.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7397	18.406	ug/l	95

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

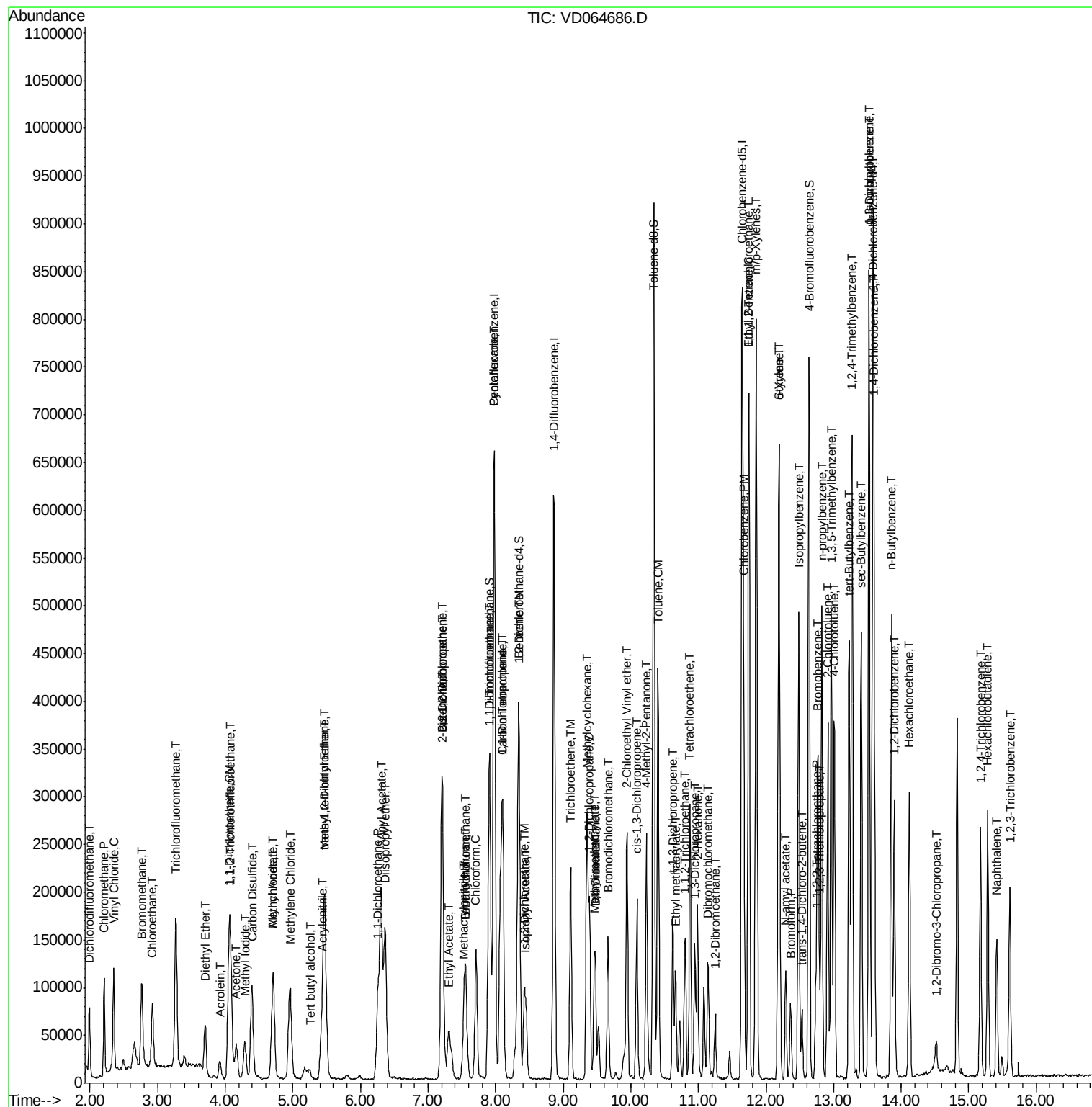
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	85866	18.501	ug/l	100
94) Hexachlorobutadiene	15.28	225	55356	18.954	ug/l	99
95) Naphthalene	15.41	128	126224	17.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	72268	18.240	ug/l	99

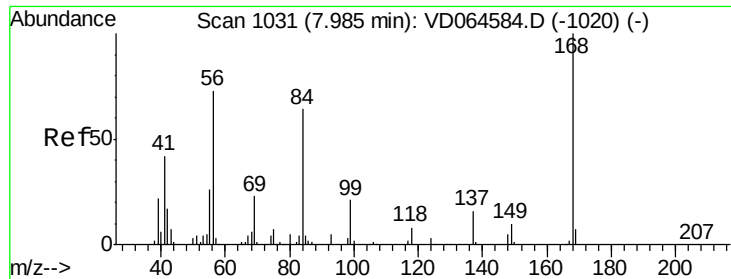
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

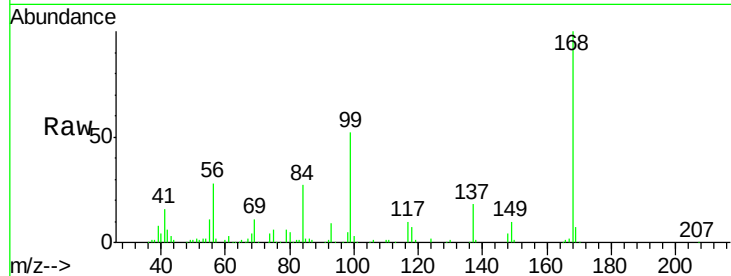
VD1231SBS01

Tgt Ion:168 Resp: 371963

Ion Ratio Lower Upper

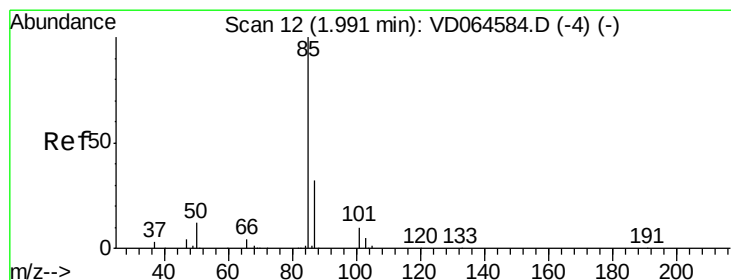
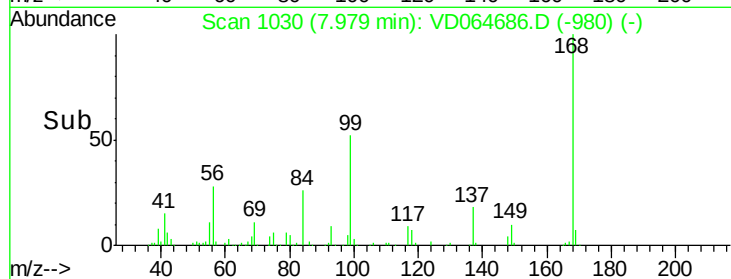
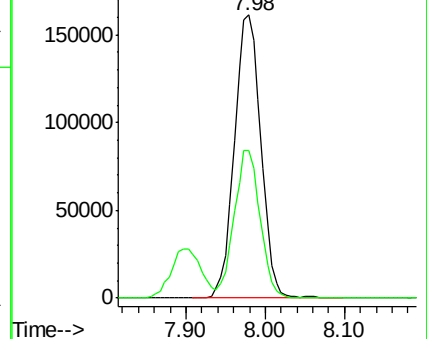
168 100

99 51.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064686.D

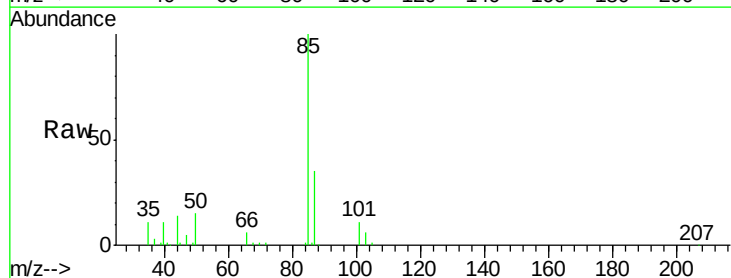
Acq: 31 Dec 2019 10:58

Tgt Ion: 85 Resp: 52470

Ion Ratio Lower Upper

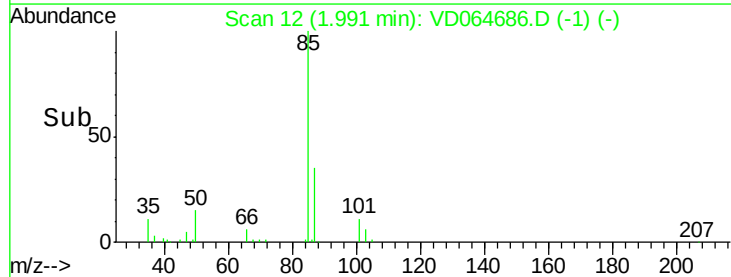
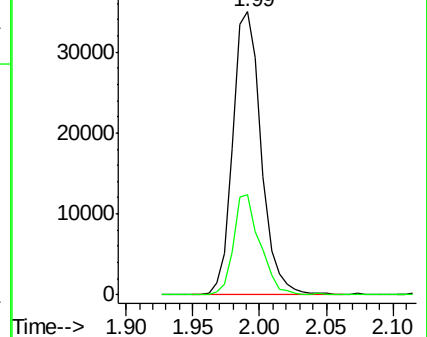
85 100

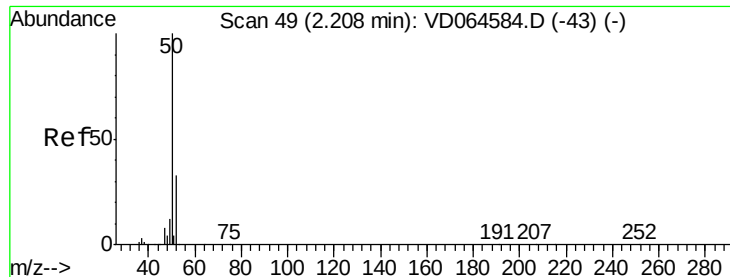
87 35.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

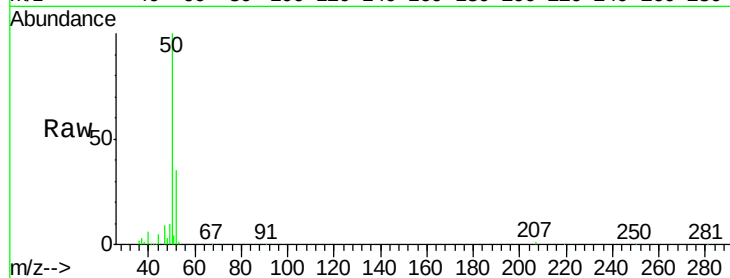
VD1231SBS01

Tgt Ion: 50 Resp: 79125

Ion Ratio Lower Upper

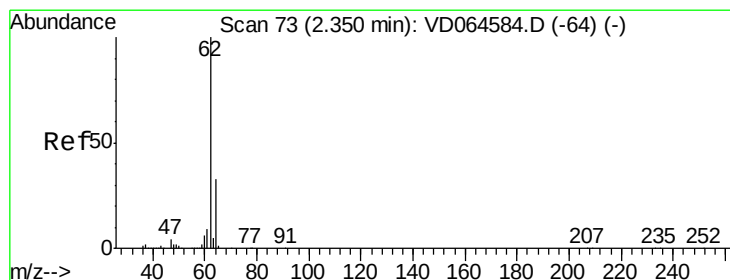
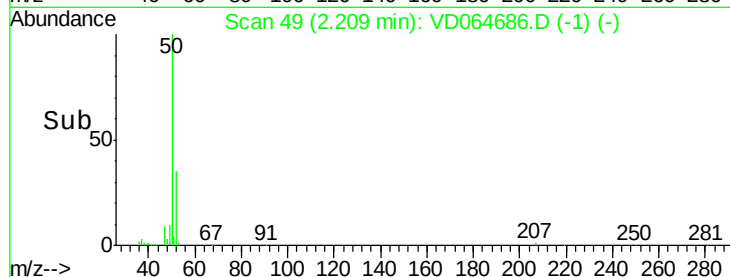
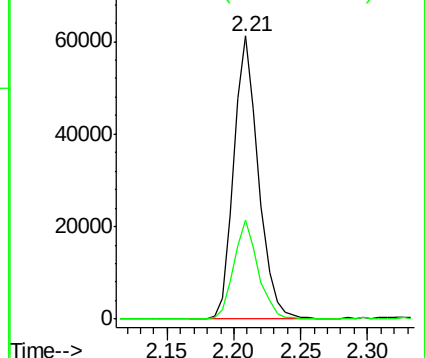
50 100

52 34.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.433 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064686.D

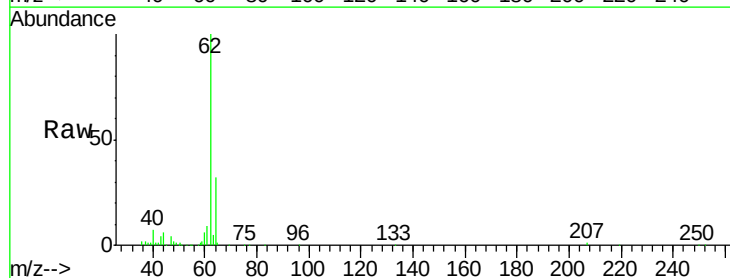
Acq: 31 Dec 2019 10:58

Tgt Ion: 62 Resp: 95790

Ion Ratio Lower Upper

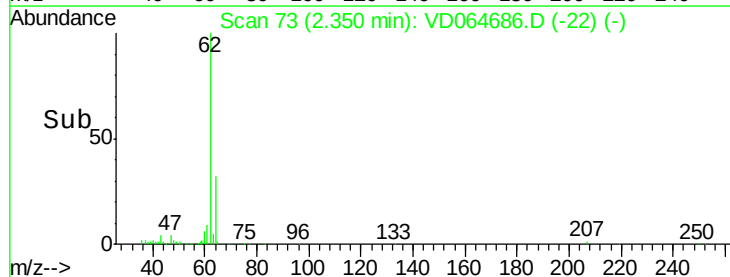
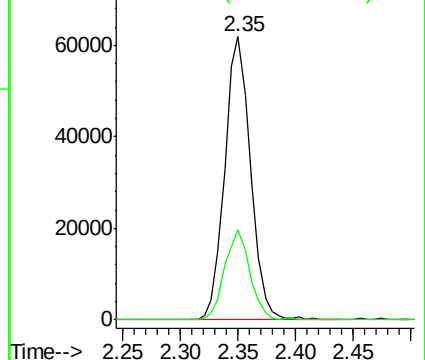
62 100

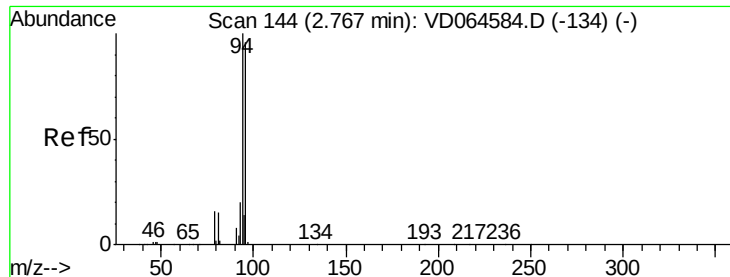
64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.118 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

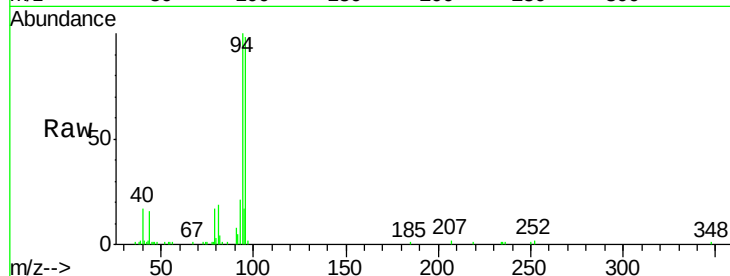
VD1231SBS01

Tgt Ion: 94 Resp: 68521

Ion Ratio Lower Upper

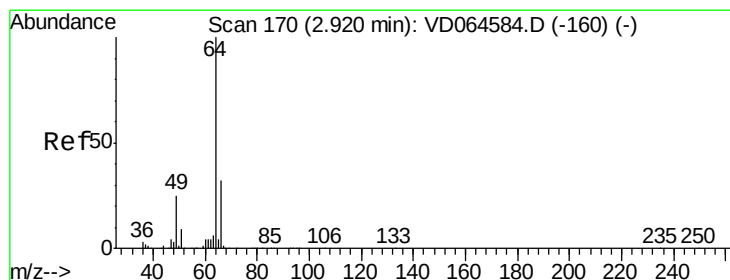
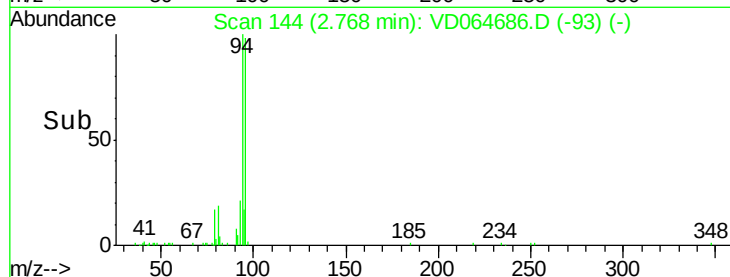
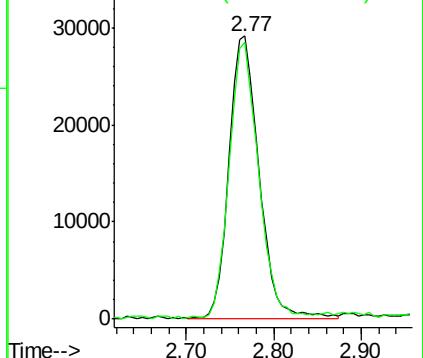
94 100

96 97.4 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.044 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064686.D

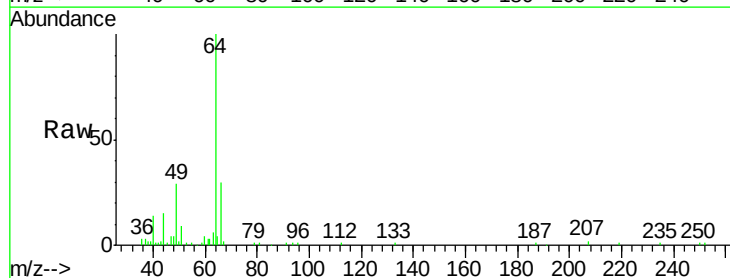
Acq: 31 Dec 2019 10:58

Tgt Ion: 64 Resp: 66203

Ion Ratio Lower Upper

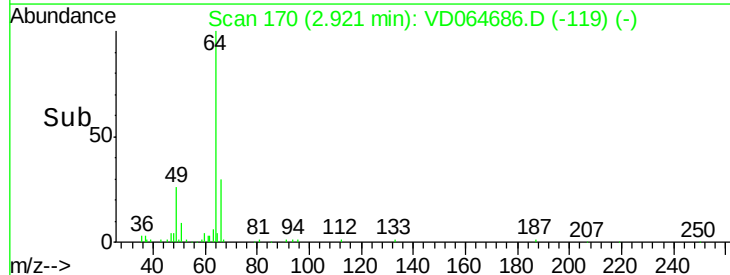
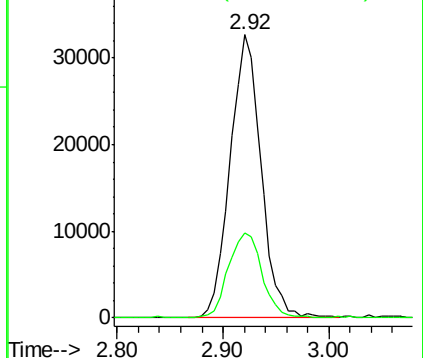
64 100

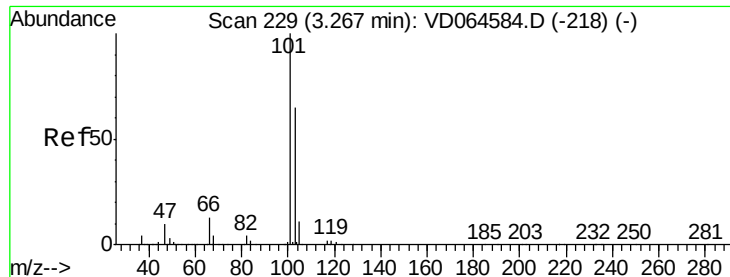
66 30.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



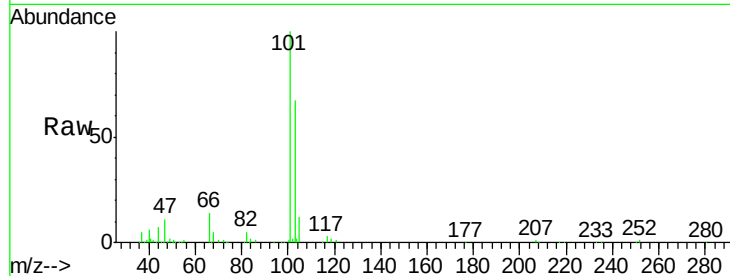


#7

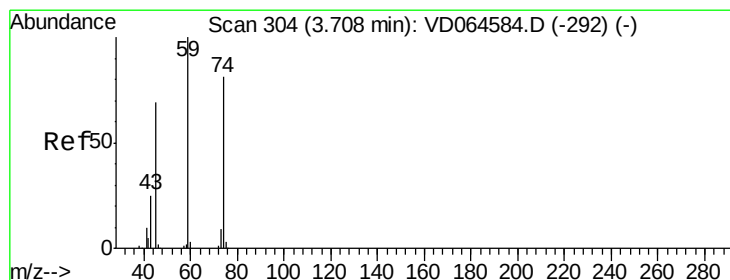
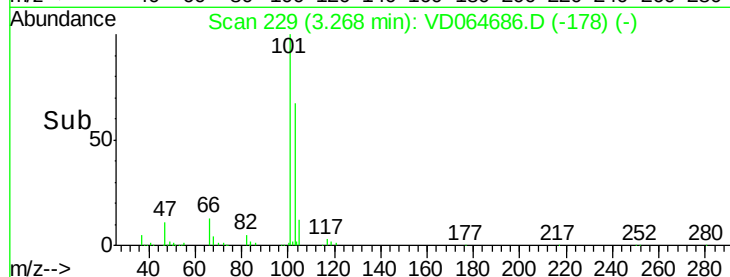
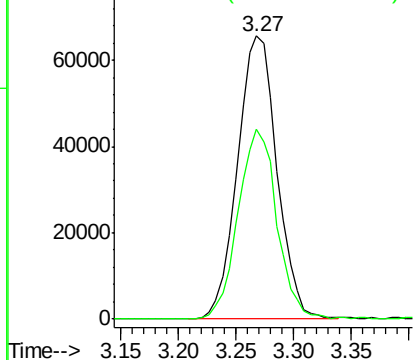
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tgt Ion: 101 Resp: 156036
Ion Ratio Lower Upper
101 100
103 67.0 52.2 78.4



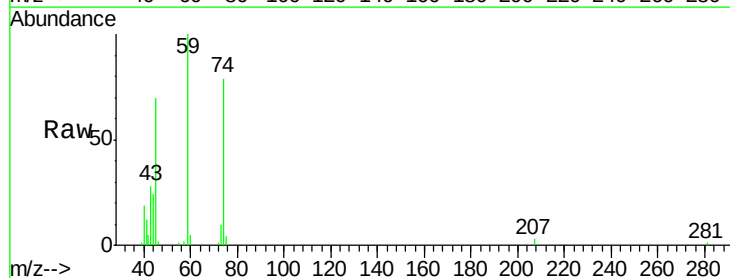
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



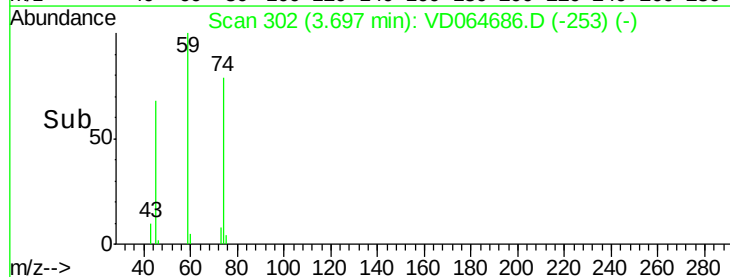
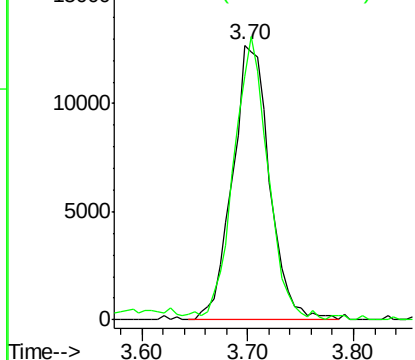
#8

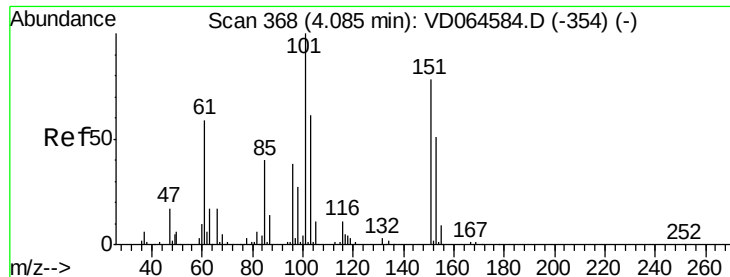
Diethyl Ether
Concen: 18.778 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 74 Resp: 30950
Ion Ratio Lower Upper
74 100
45 91.8 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.195 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

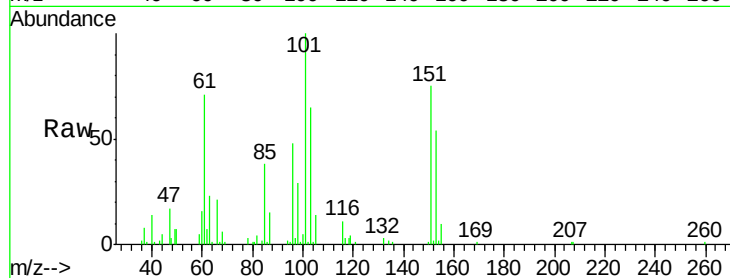
Tgt Ion:101 Resp: 65980

Ion Ratio Lower Upper

101 100

85 43.9 35.2 52.8

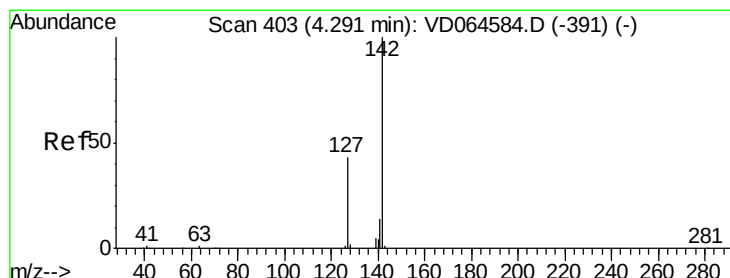
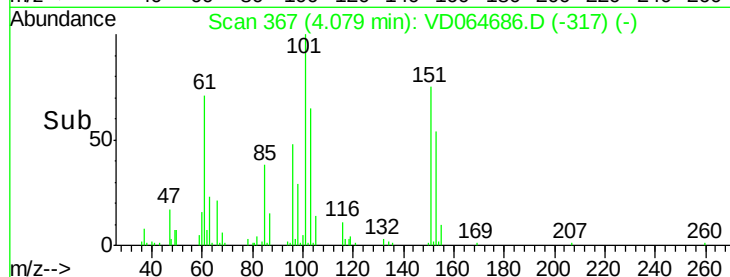
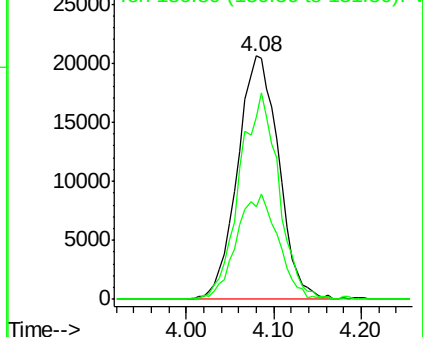
151 81.4 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.874 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

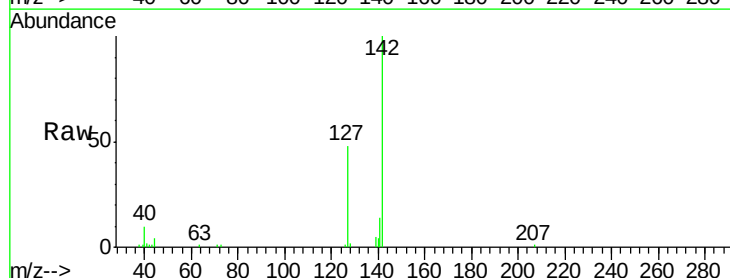
Tgt Ion:142 Resp: 65995

Ion Ratio Lower Upper

142 100

127 44.1 36.2 54.4

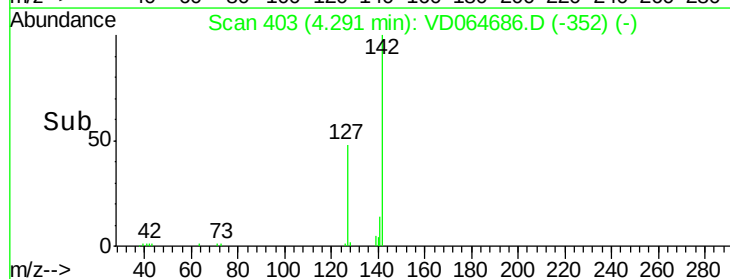
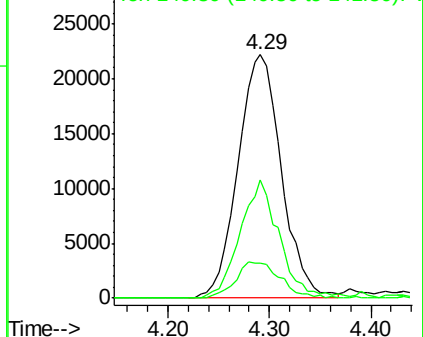
141 15.2 11.8 17.8

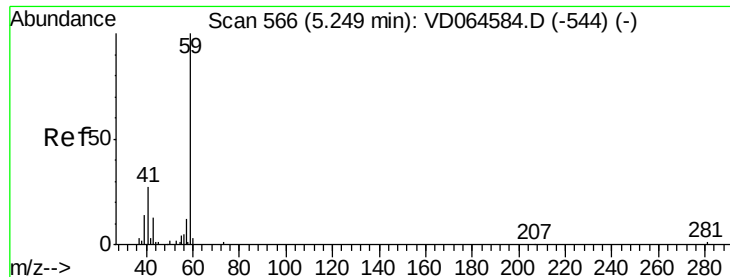


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



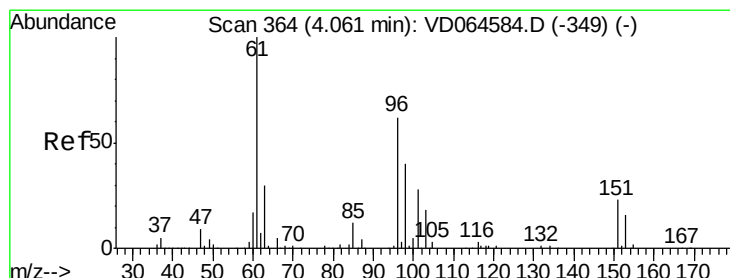
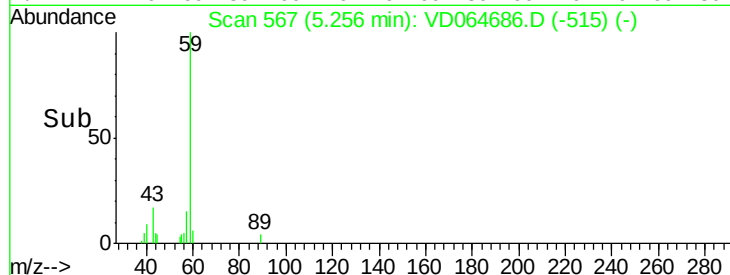
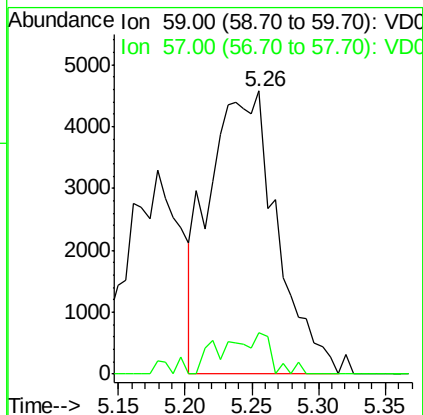
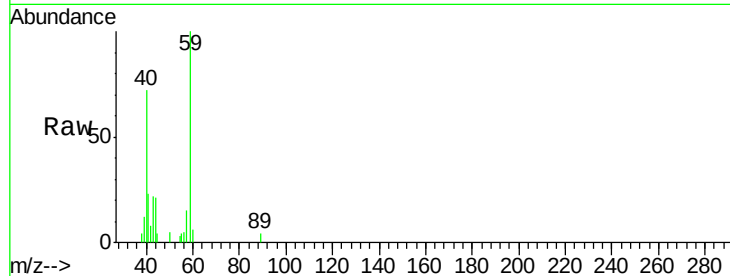


#11

Tert butyl alcohol
 Concen: 85.225 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

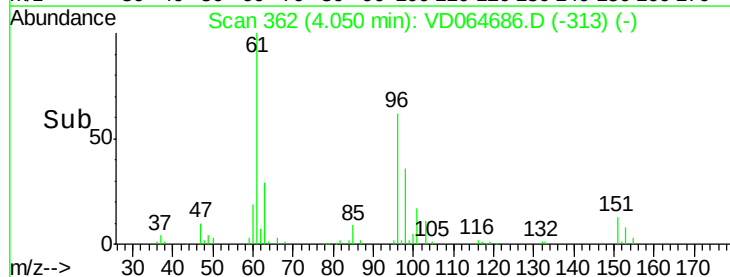
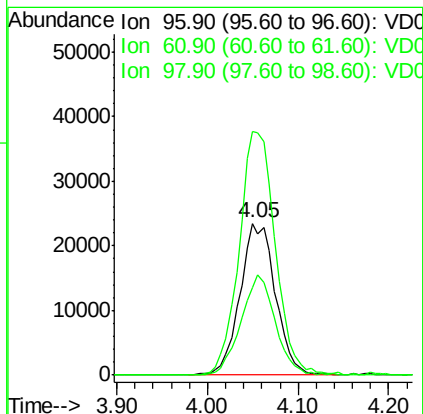
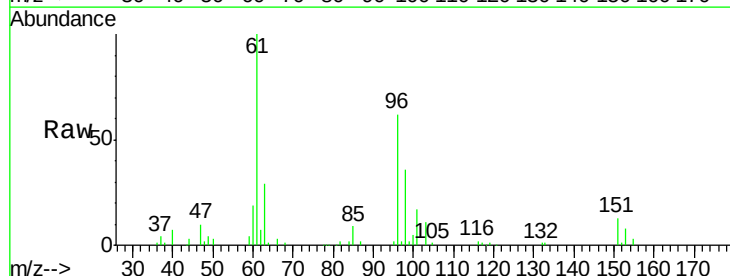
Tgt Ion: 59 Resp: 16020
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

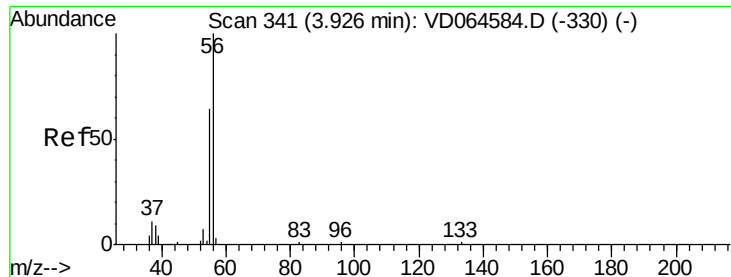


#12

1,1-Dichloroethene
 Concen: 19.494 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 96 Resp: 63793
 Ion Ratio Lower Upper
 96 100
 61 160.6 129.4 194.0
 98 57.6 51.4 77.0





#13

Acrolein

Concen: 76.959 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

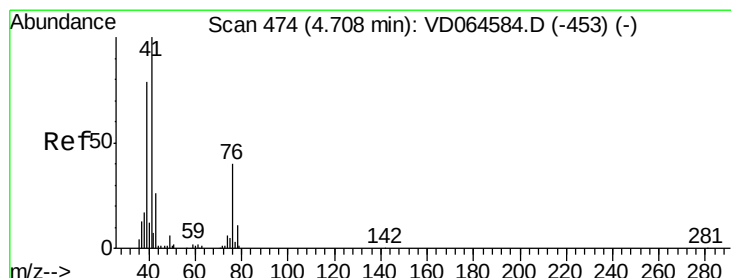
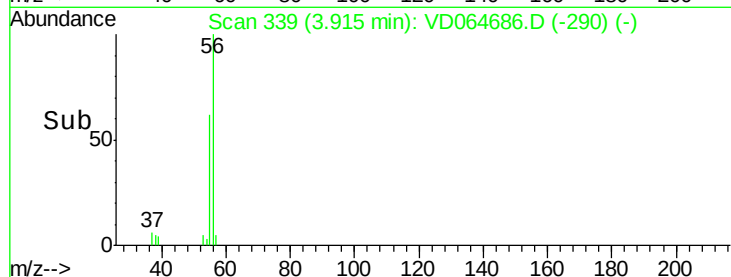
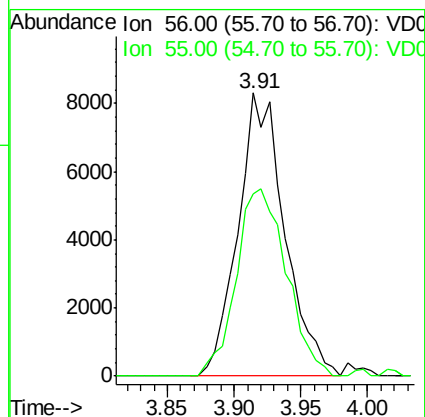
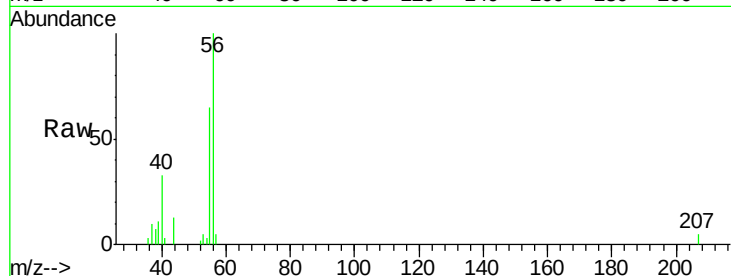
VD1231SBS01

Tgt Ion: 56 Resp: 20161

Ion Ratio Lower Upper

56 100

55 71.2 56.7 85.1



#14

Allyl chloride

Concen: 19.516 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

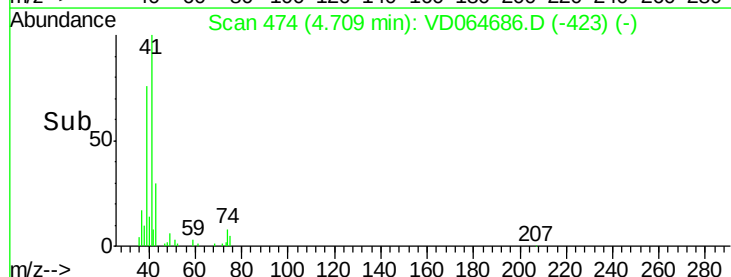
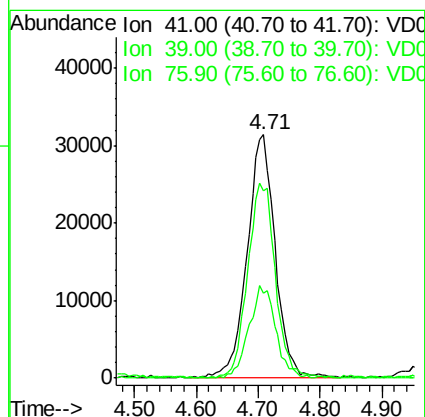
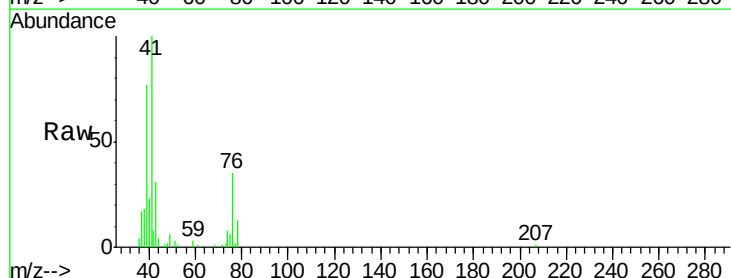
Tgt Ion: 41 Resp: 99574

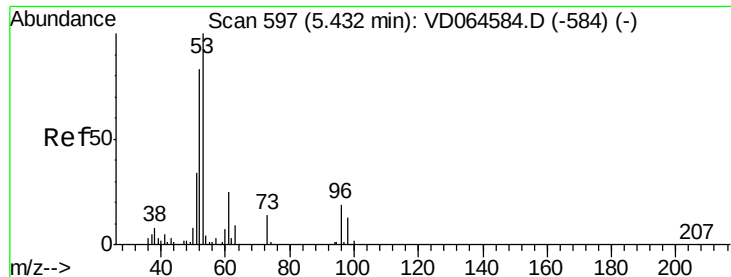
Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

76 36.2 29.7 44.5





#15

Acrylonitrile

Concen: 90.205 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

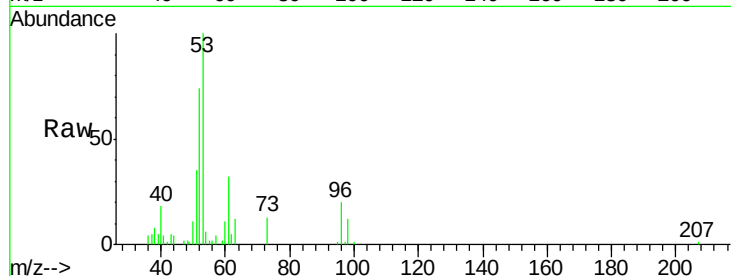
Tgt Ion: 53 Resp: 61927

Ion Ratio Lower Upper

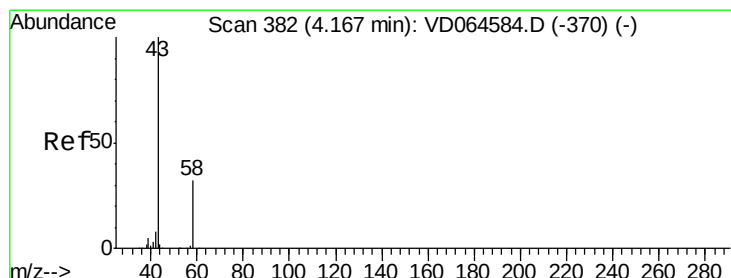
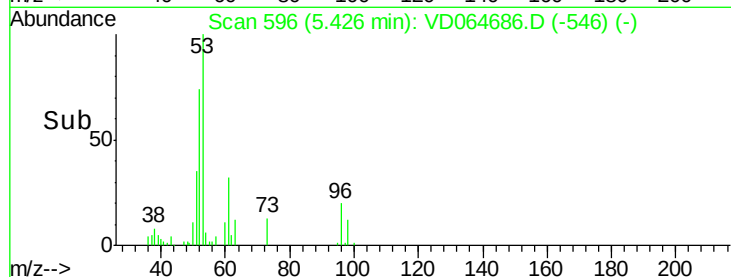
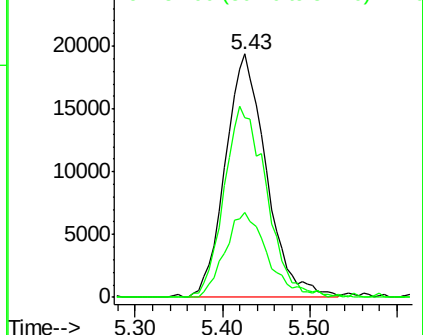
53 100

52 81.4 66.2 99.2

51 36.6 30.1 45.1



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: 89.119 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064686.D

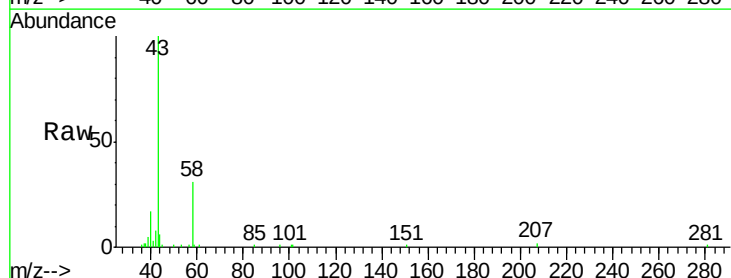
Acq: 31 Dec 2019 10:58

Tgt Ion: 43 Resp: 64365

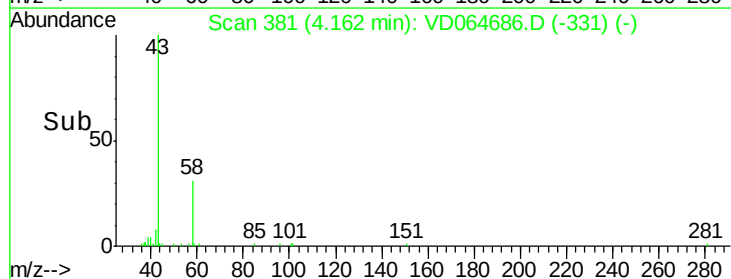
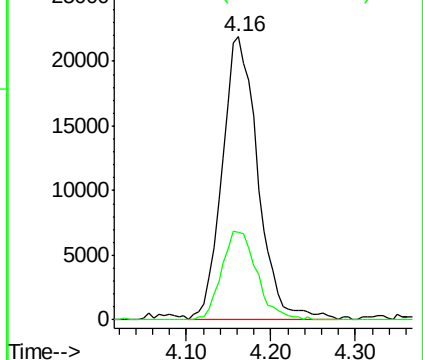
Ion Ratio Lower Upper

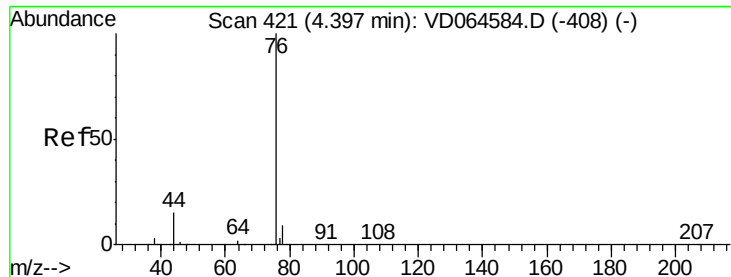
43 100

58 31.0 25.8 38.6



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





#17

Carbon Disulfide

Concen: 18.985 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

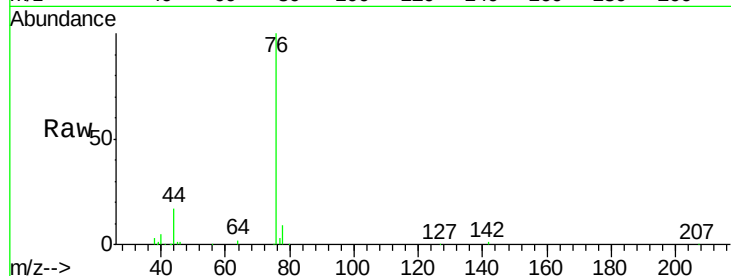
VD1231SBS01

Tgt Ion: 76 Resp: 200892

Ion Ratio Lower Upper

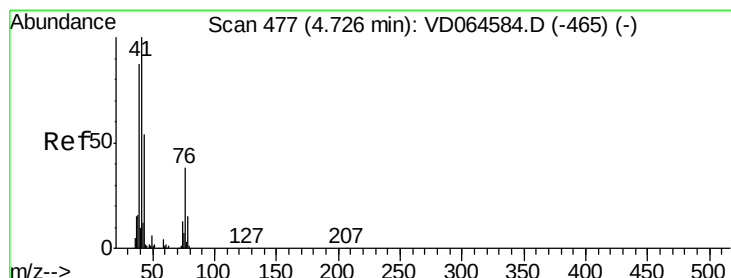
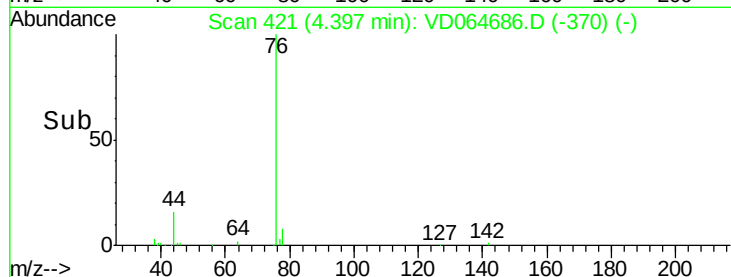
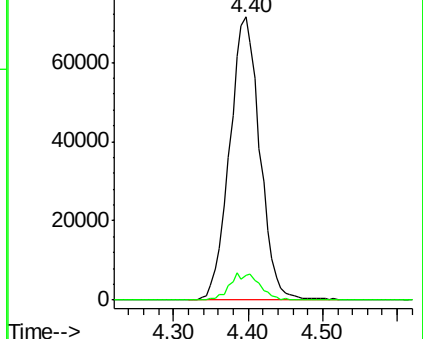
76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 18.038 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD064686.D

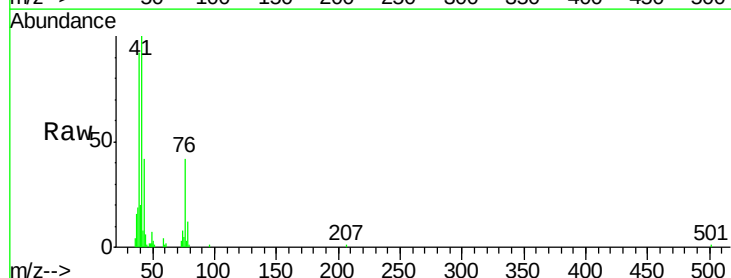
Acq: 31 Dec 2019 10:58

Tgt Ion: 43 Resp: 33309

Ion Ratio Lower Upper

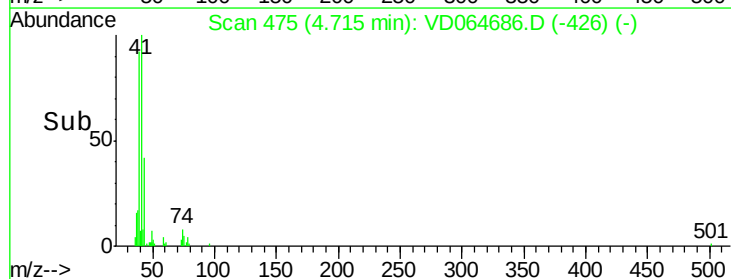
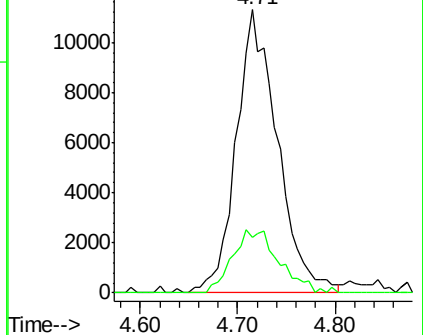
43 100

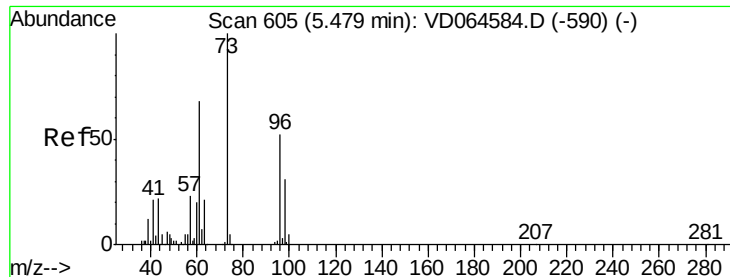
74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 18.319 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

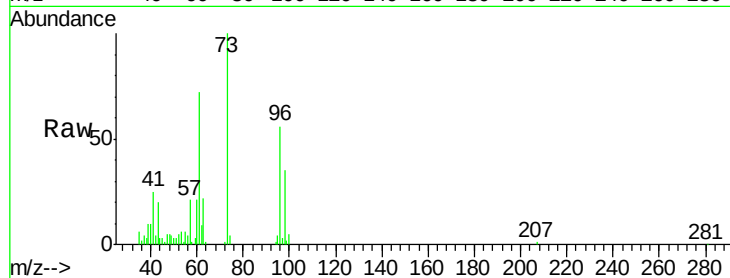
VD1231SBS01

Tgt Ion: 73 Resp: 133157

Ion Ratio Lower Upper

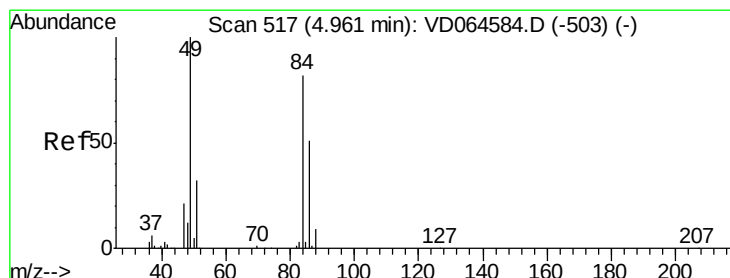
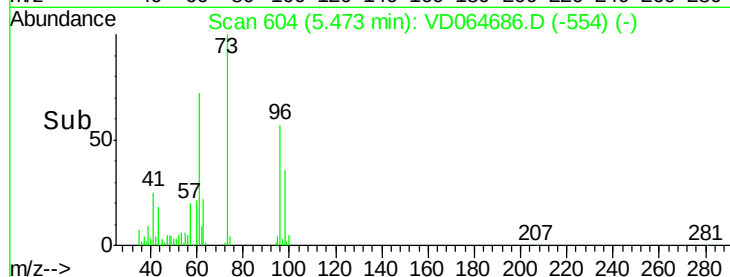
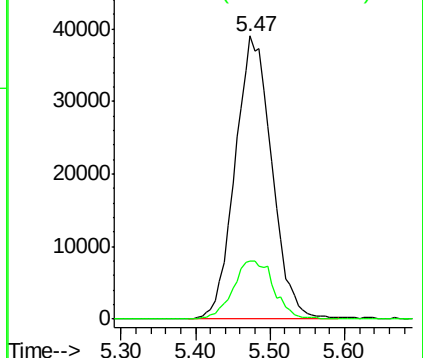
73 100

57 20.6 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#20

Methylene Chloride

Concen: 19.317 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion: 84 Resp: 74860

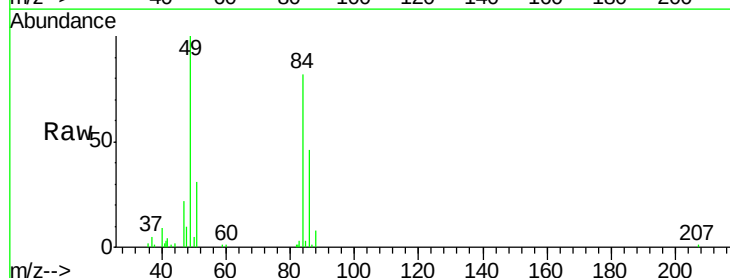
Ion Ratio Lower Upper

84 100

49 121.5 97.2 145.8

51 37.4 31.4 47.0

86 55.3 49.3 73.9

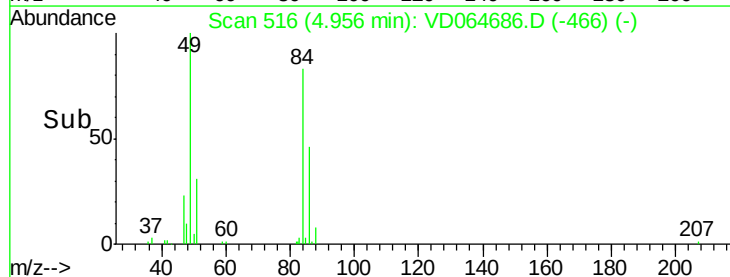
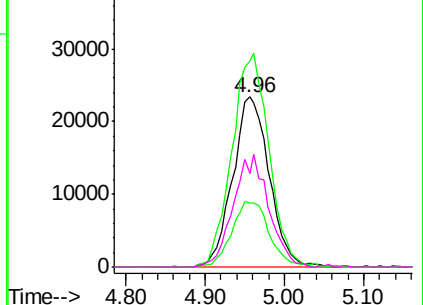


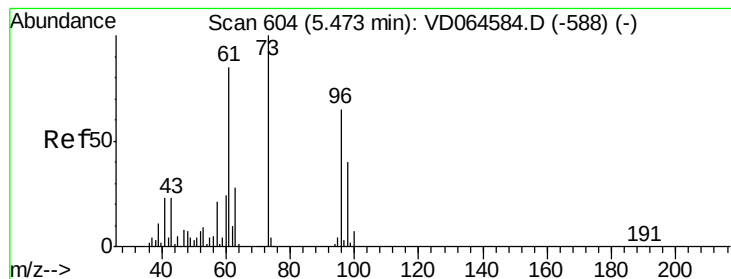
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 19.661 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

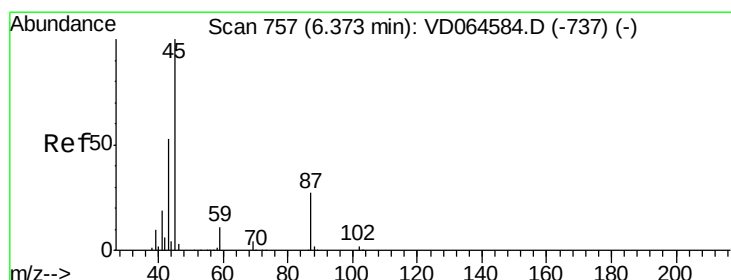
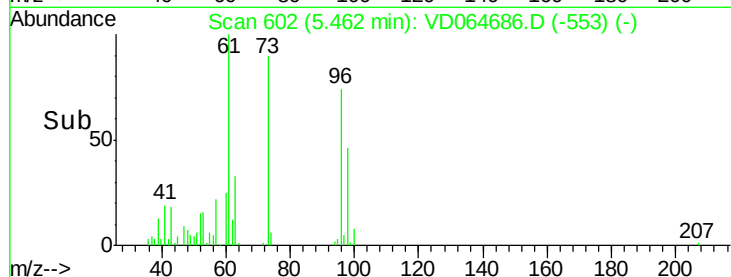
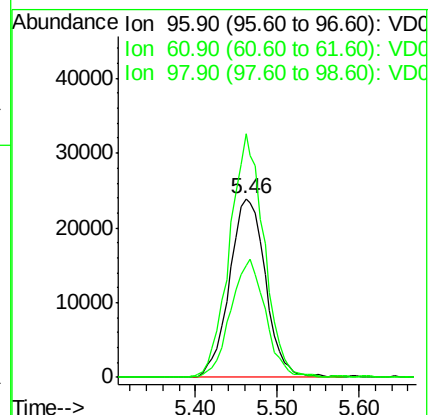
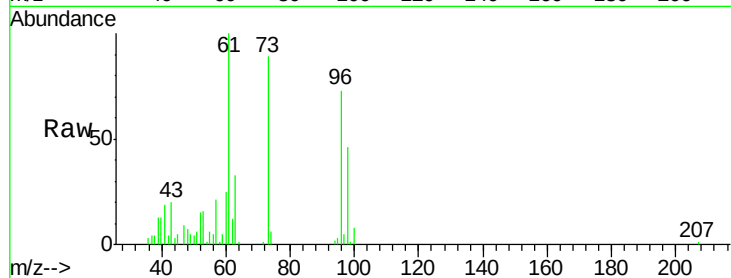
Tgt Ion: 96 Resp: 73273

Ion Ratio Lower Upper

96 100

61 136.3 104.7 157.1

98 62.3 49.4 74.2



#22

Diisopropyl ether

Concen: 19.042 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion: 45 Resp: 193789

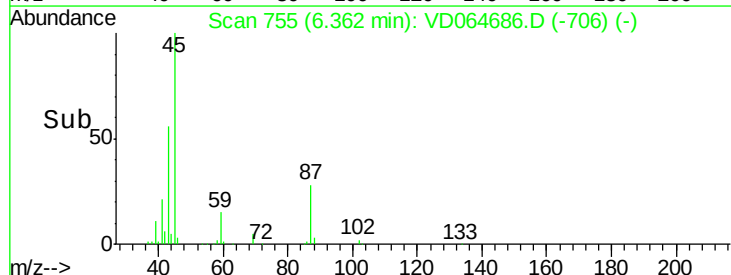
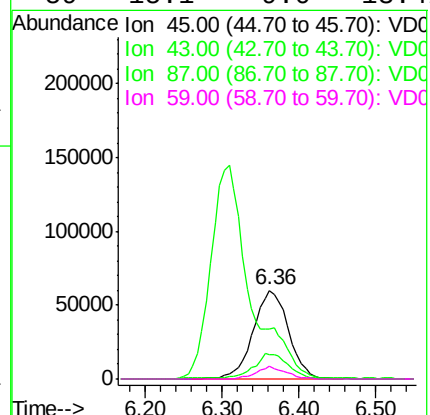
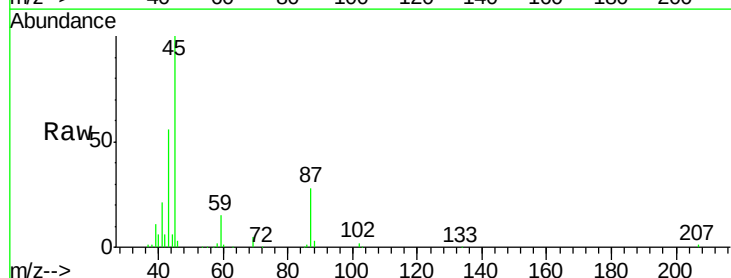
Ion Ratio Lower Upper

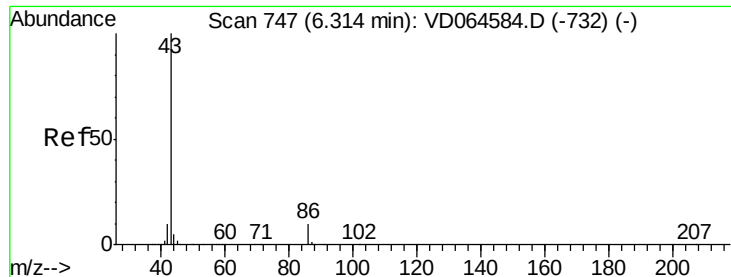
45 100

43 54.9 43.2 64.8

87 28.1 21.9 32.9

59 15.1 9.0 13.4#





#23

Vinyl Acetate

Concen: 88.332 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

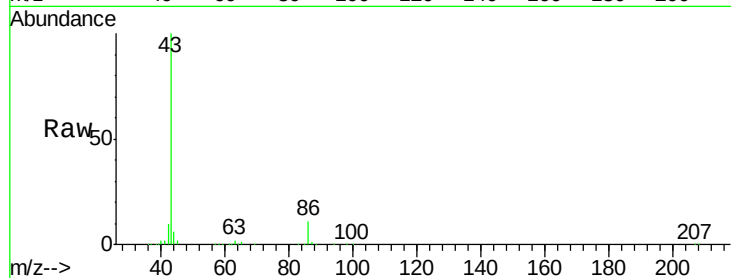
VD1231SBS01

Tgt Ion: 43 Resp: 509934

Ion Ratio Lower Upper

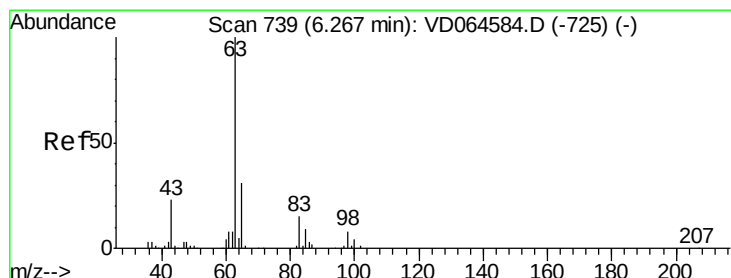
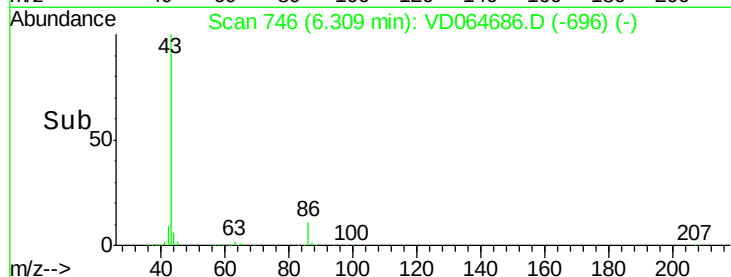
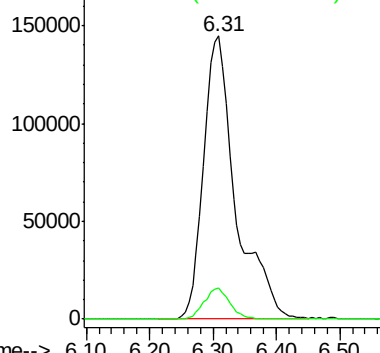
43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.419 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

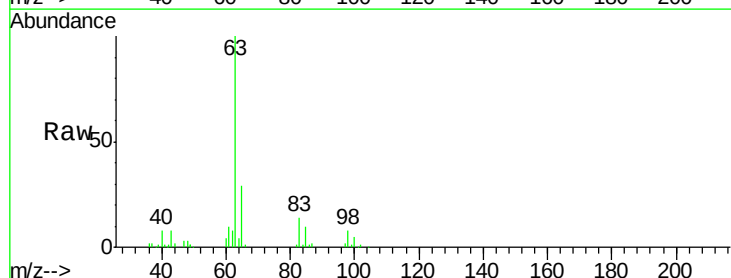
Tgt Ion: 63 Resp: 124746

Ion Ratio Lower Upper

63 100

98 7.6 4.1 12.3

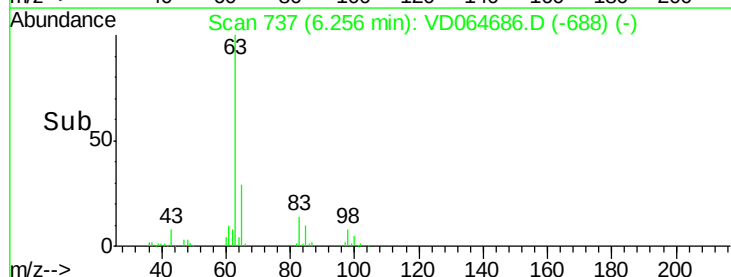
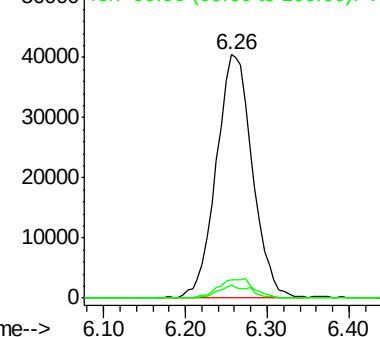
100 5.4 2.2 6.6

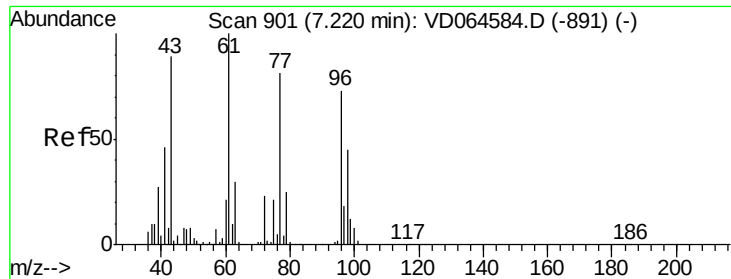


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.291 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

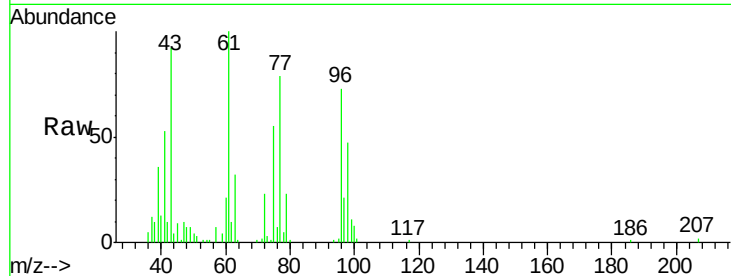
VD1231SBS01

Tgt Ion: 43 Resp: 78699

Ion Ratio Lower Upper

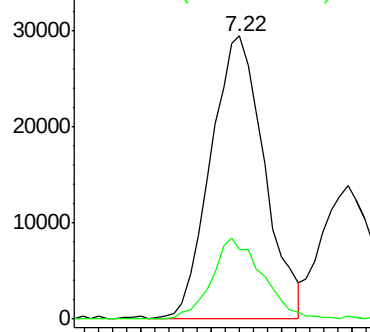
43 100

72 24.8 20.7 31.1

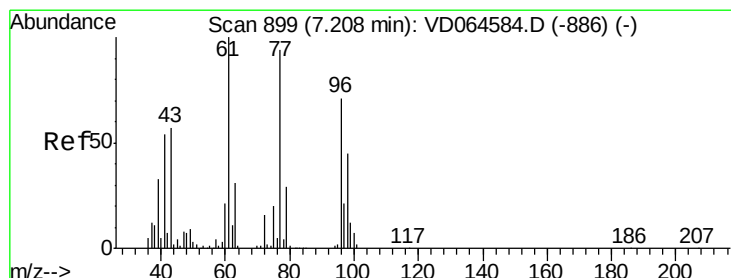
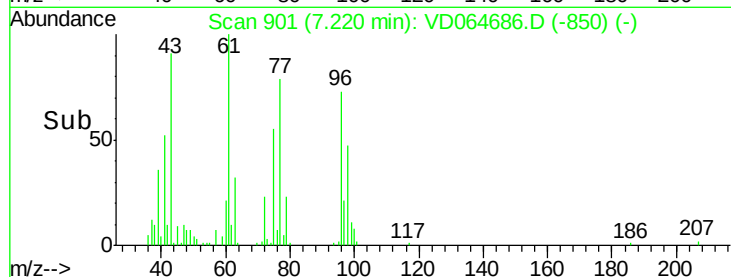


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.920 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064686.D

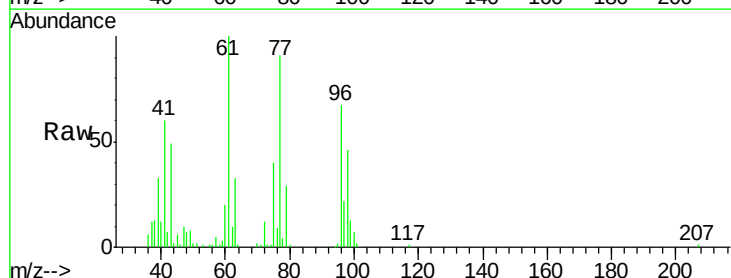
Acq: 31 Dec 2019 10:58

Tgt Ion: 77 Resp: 113152

Ion Ratio Lower Upper

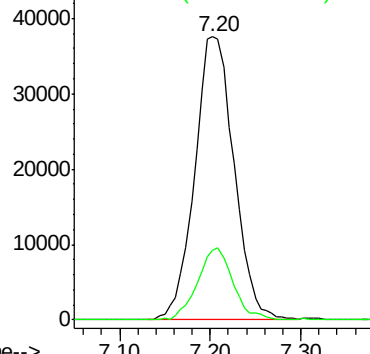
77 100

97 22.8 11.2 33.6

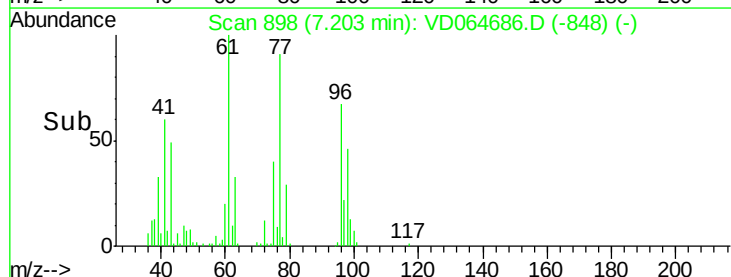


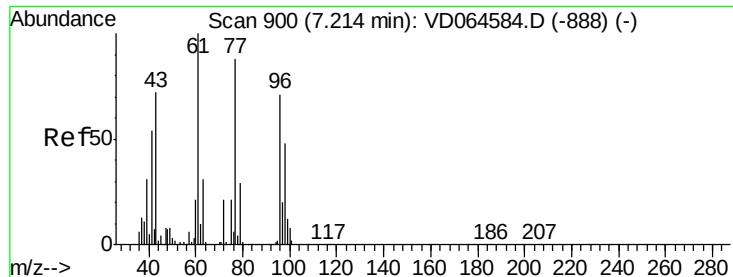
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.304 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

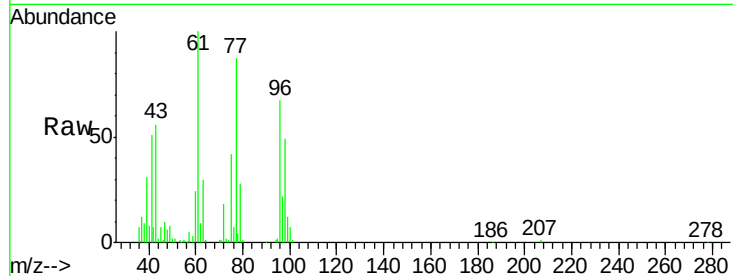
Tgt Ion: 96 Resp: 77644

Ion Ratio Lower Upper

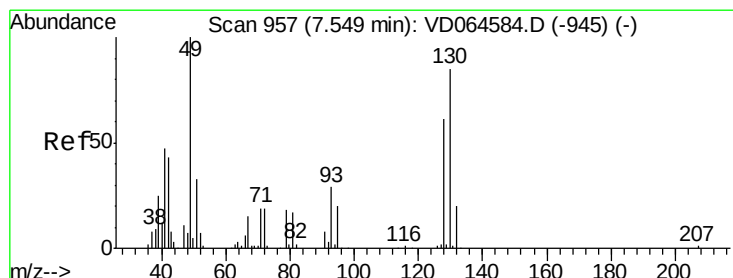
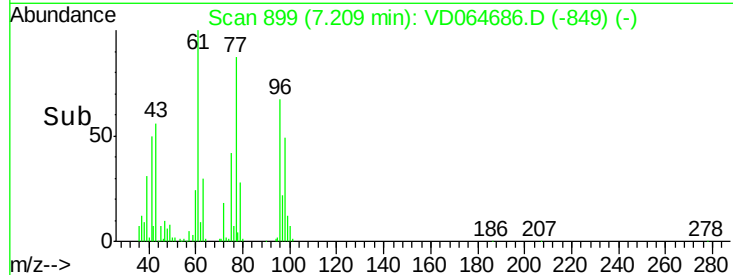
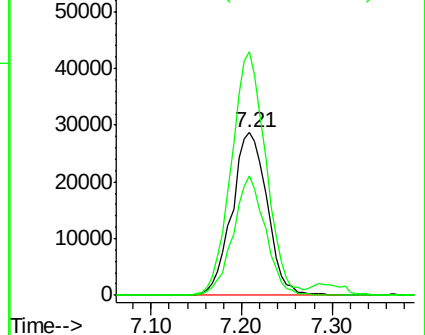
96 100

61 146.3 0.0 282.6

98 66.9 0.0 130.8



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



#28

Bromochloromethane

Concen: 18.673 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

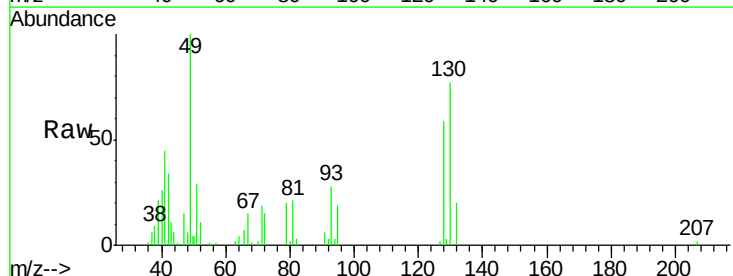
Tgt Ion: 49 Resp: 44347

Ion Ratio Lower Upper

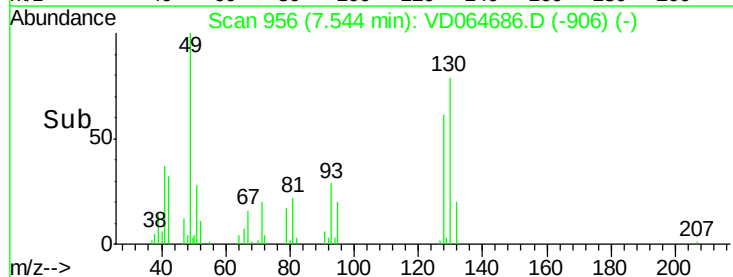
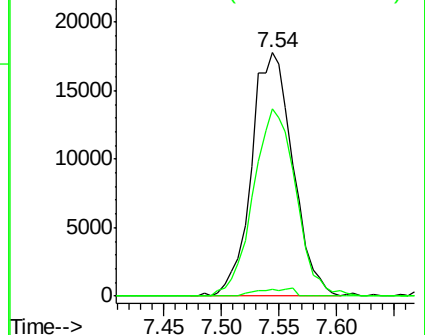
49 100

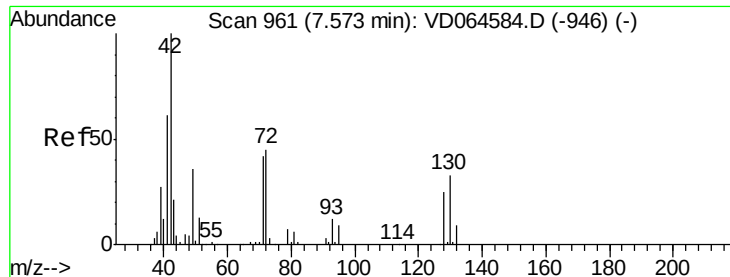
129 2.7 0.0 4.8

130 79.6 65.0 97.6



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

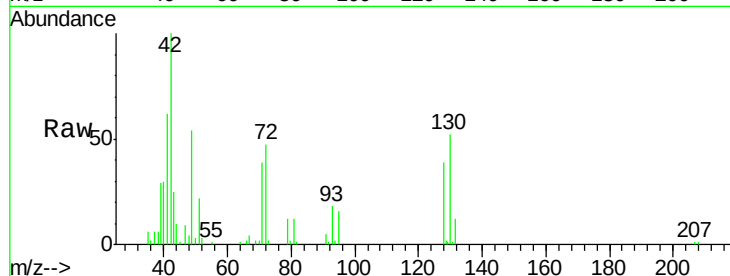




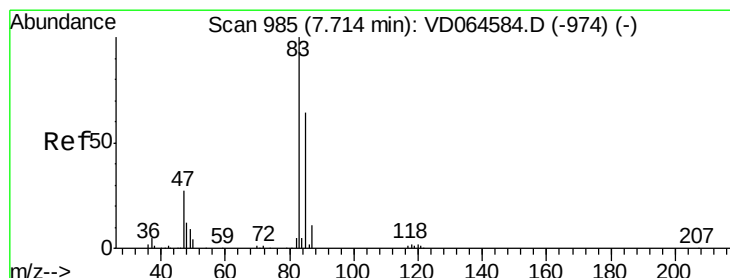
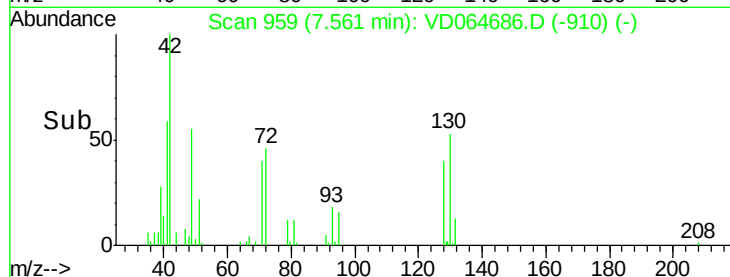
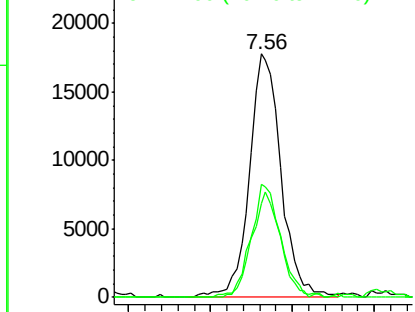
#29
Tetrahydrofuran
Concen: 85.113 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tgt Ion: 42 Resp: 47720
Ion Ratio Lower Upper
42 100
72 43.5 35.0 52.4
71 40.2 32.9 49.3

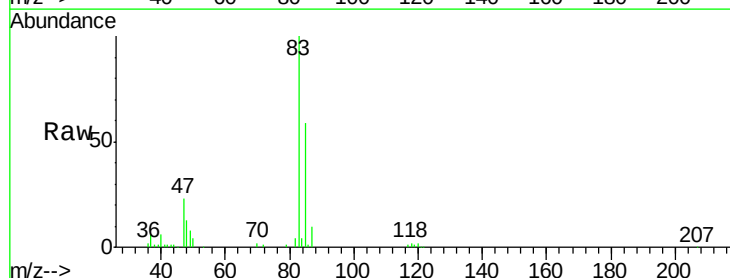


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

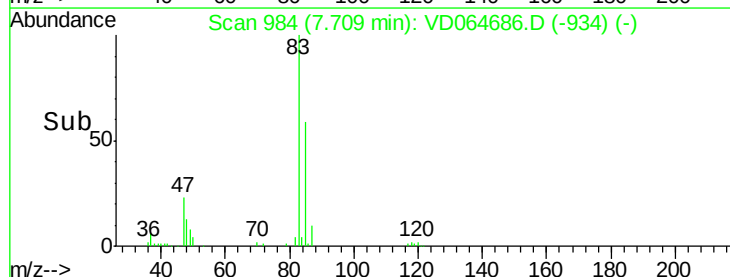
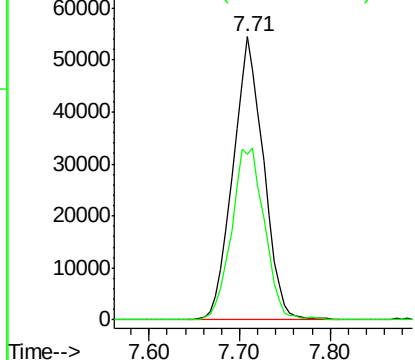


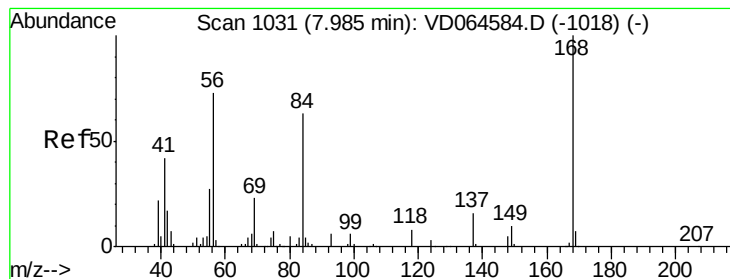
#30
Chloroform
Concen: 19.937 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 83 Resp: 127794
Ion Ratio Lower Upper
83 100
85 58.7 51.1 76.7



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





#31

Cyclohexane

Concen: 18.463 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

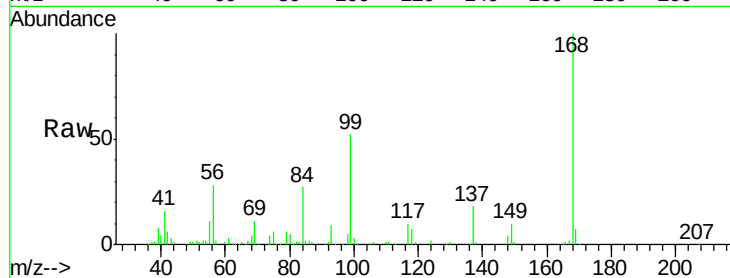
Tgt Ion: 56 Resp: 112912

Ion Ratio Lower Upper

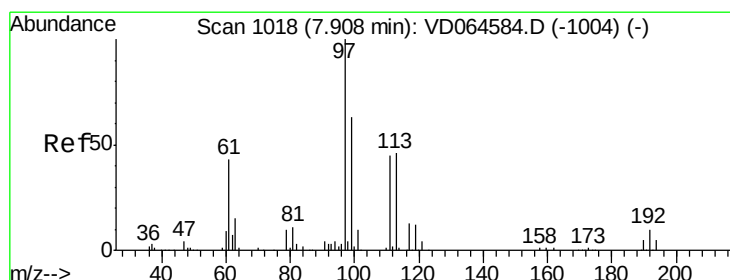
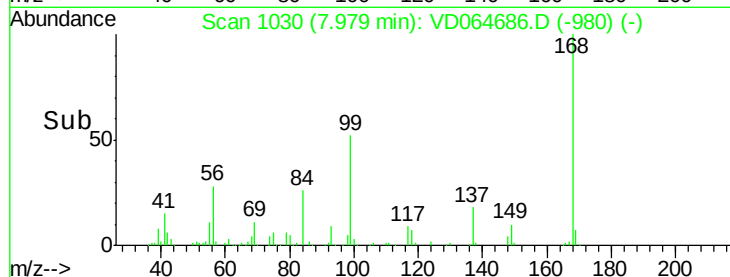
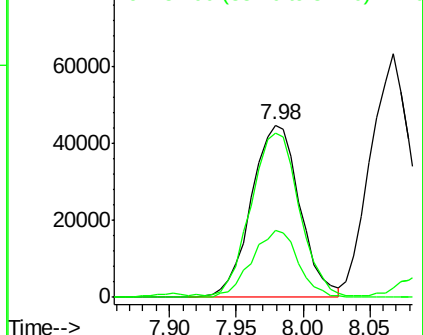
56 100

69 38.6 24.7 37.1#

84 94.1 69.4 104.2



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: 19.818 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

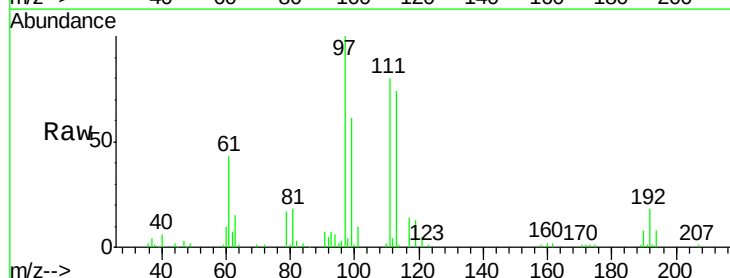
Tgt Ion: 97 Resp: 119313

Ion Ratio Lower Upper

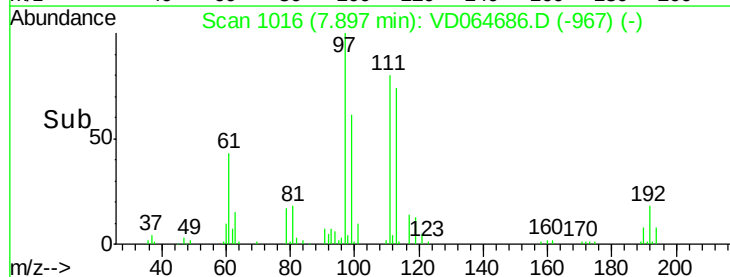
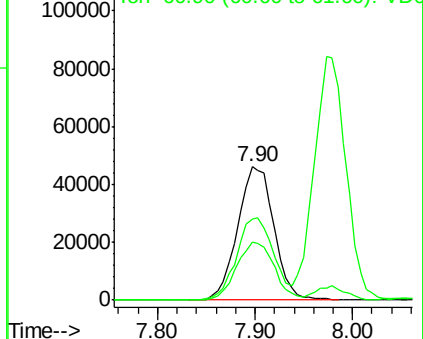
97 100

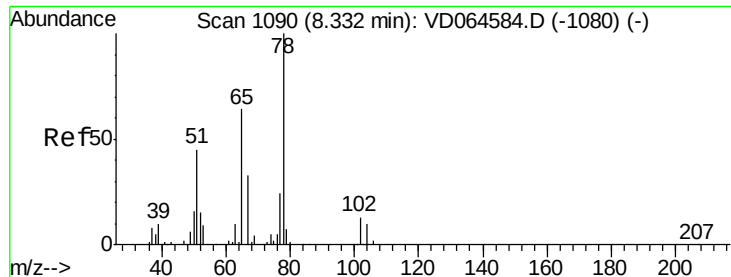
99 63.3 51.0 76.6

61 44.9 35.4 53.0



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

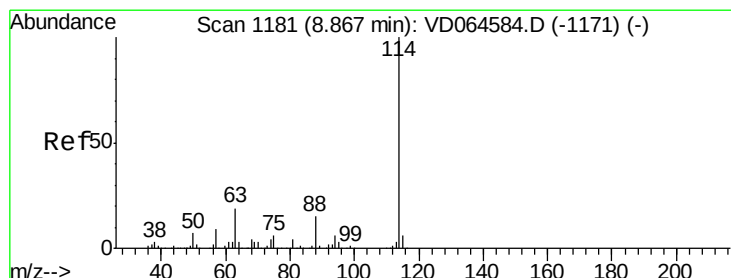
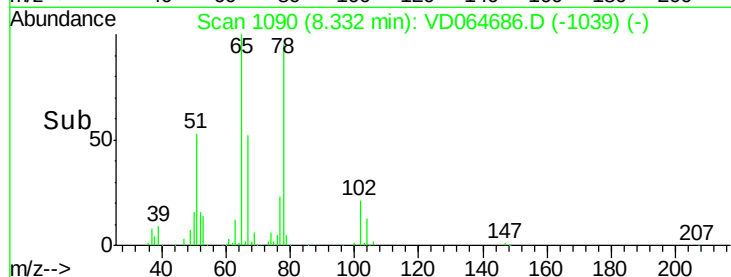
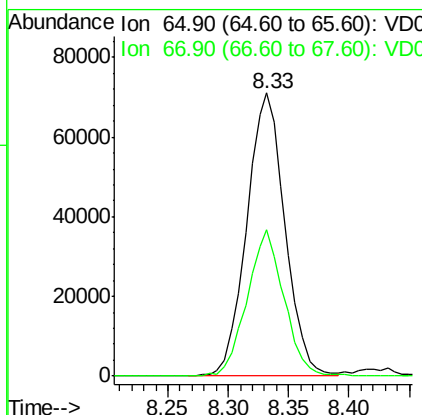
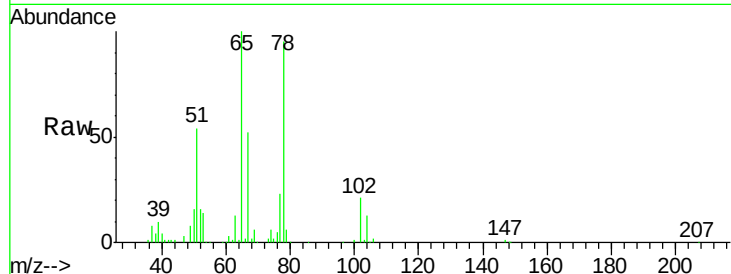




#33
 1,2-Dichloroethane-d4
 Concen: 47.764 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

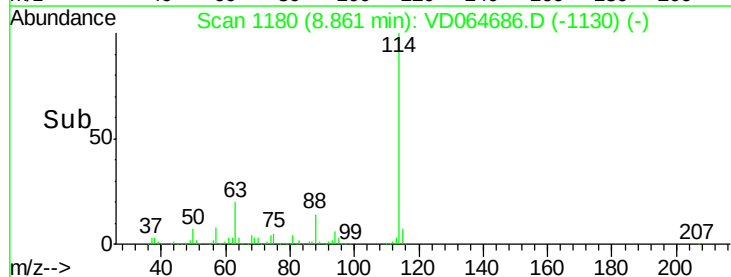
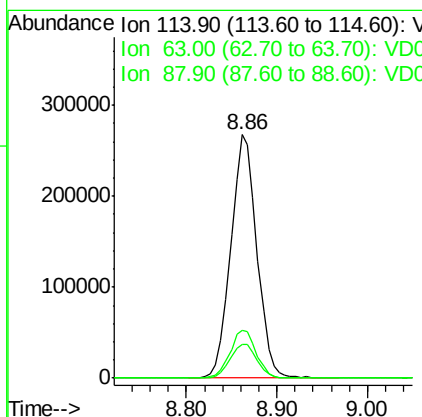
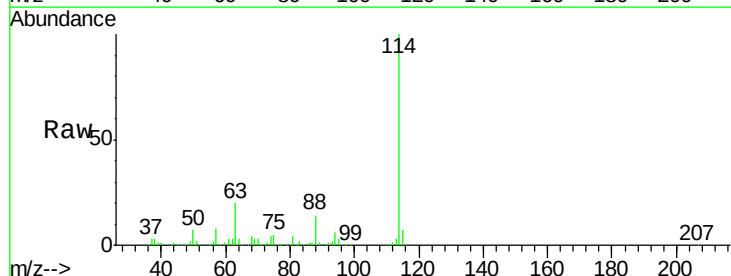
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

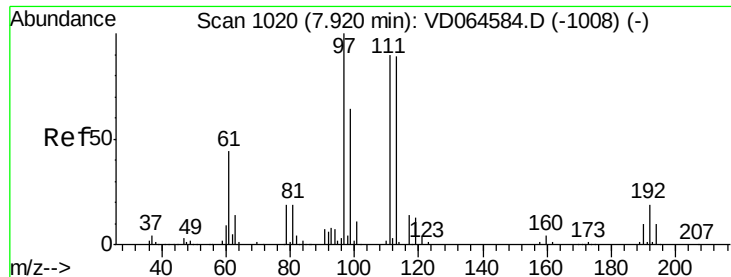
Tgt Ion: 65 Resp: 156661
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 114 Resp: 535176
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 13.9 0.0 29.2

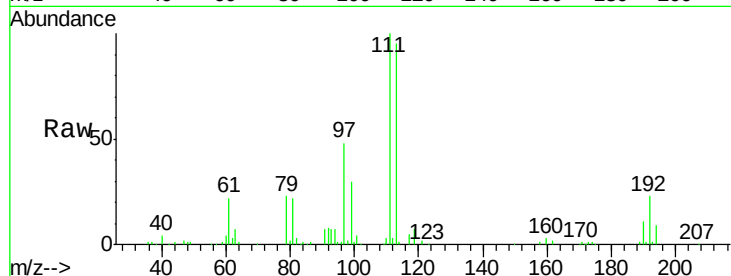




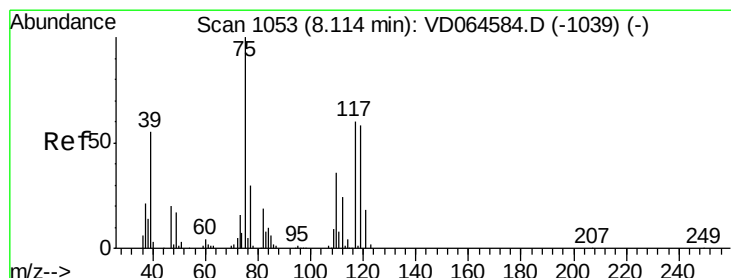
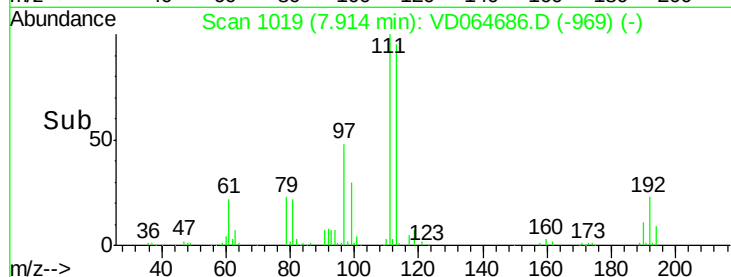
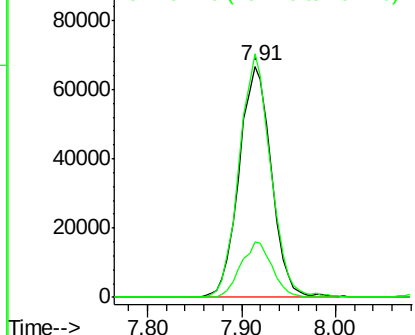
#35
 Dibromofluoromethane
 Concen: 48.326 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tgt Ion:113 Resp: 158673
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.6 121.0
 192 23.2 17.9 26.9

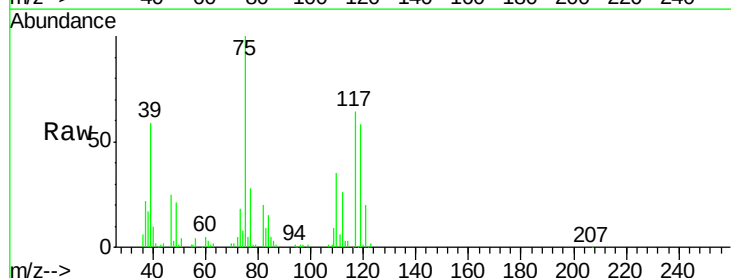


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

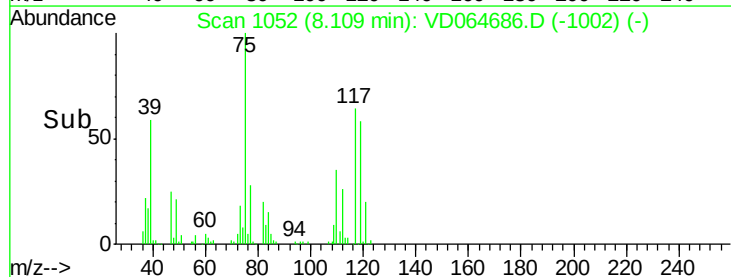
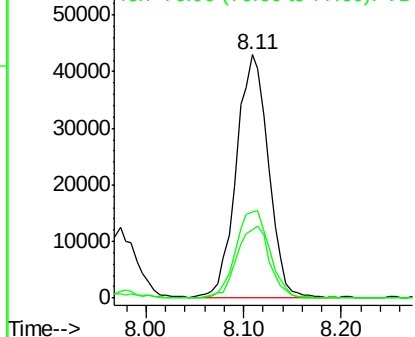


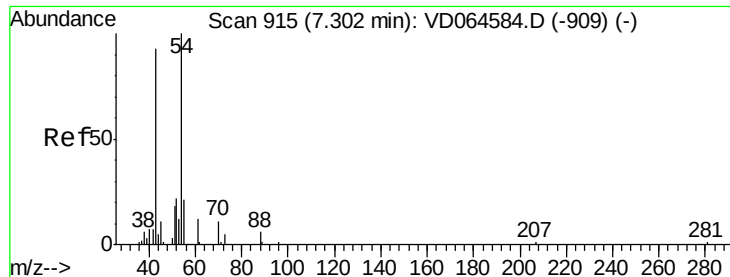
#36
 1,1-Dichloropropene
 Concen: 19.163 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 75 Resp: 98711
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.1 54.1
 77 30.2 24.2 36.4



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

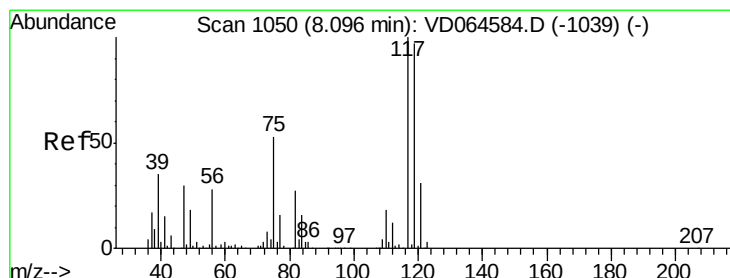
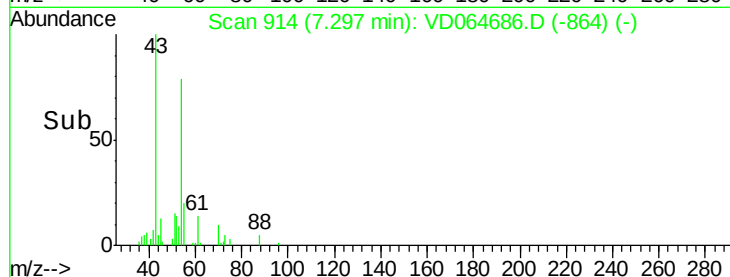
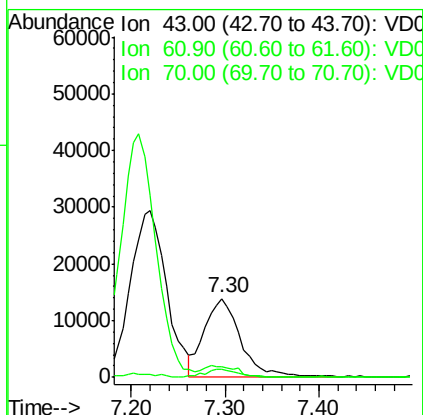
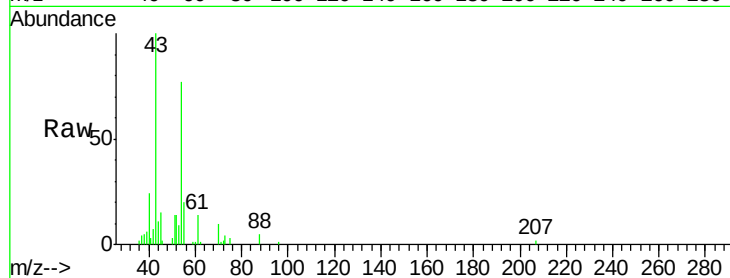




#37
Ethyl Acetate
Concen: 18.676 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

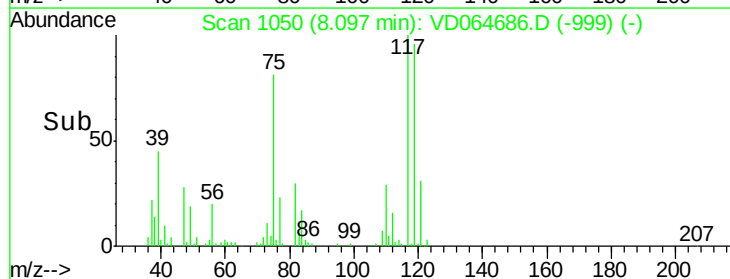
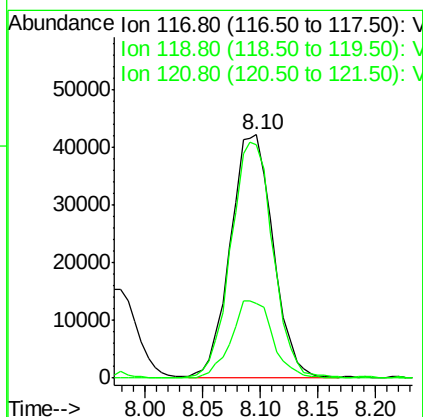
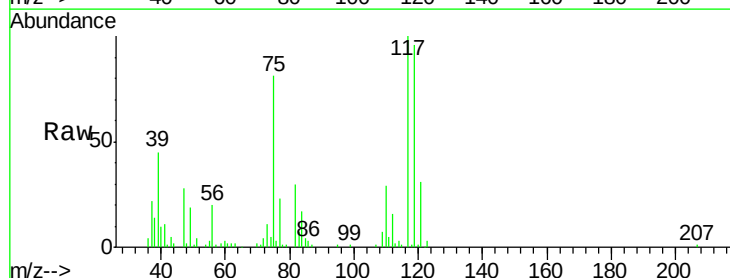
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

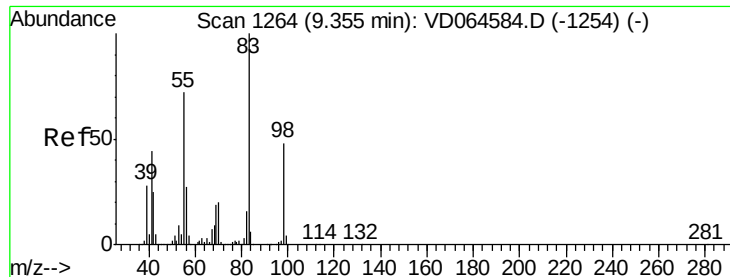
Tgt Ion: 43 Resp: 37793
Ion Ratio Lower Upper
43 100
61 13.9 10.3 15.5
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.827 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 117 Resp: 108900
Ion Ratio Lower Upper
117 100
119 95.7 77.3 115.9
121 30.7 25.0 37.6

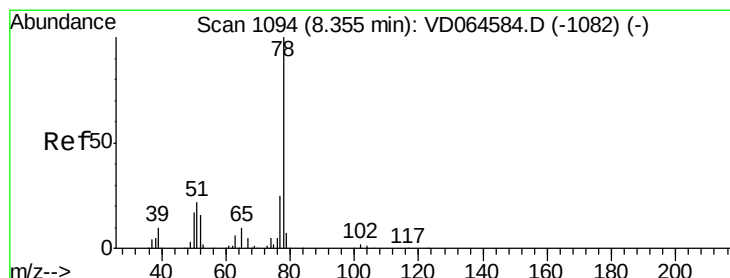
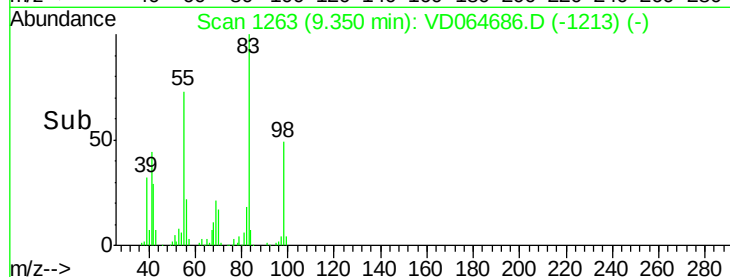
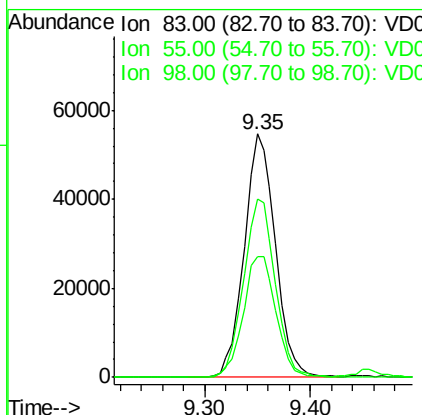
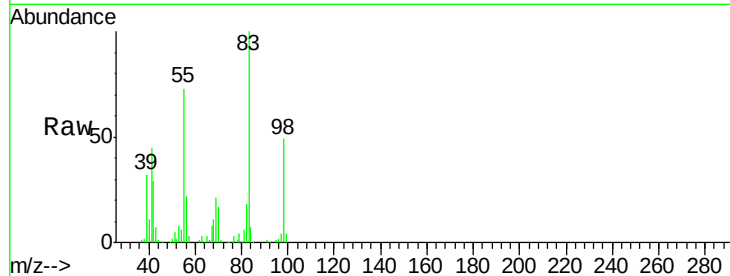




#39
Methylcyclohexane
Concen: 18.012 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

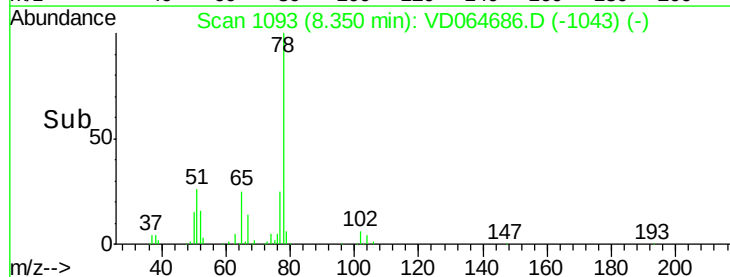
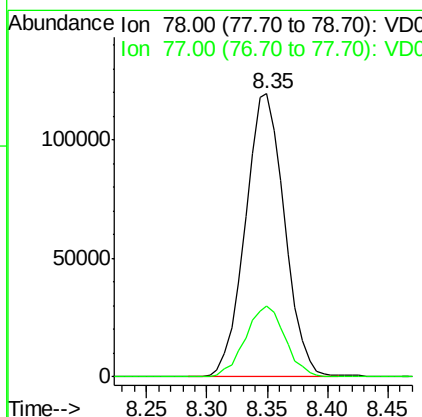
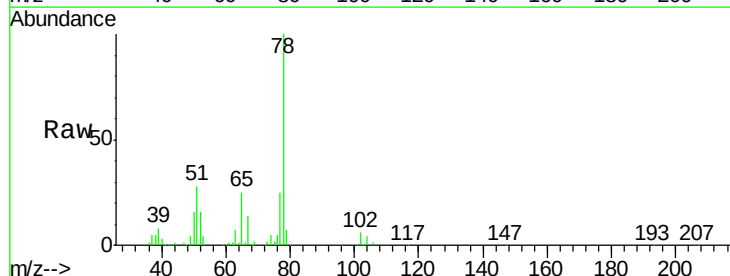
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

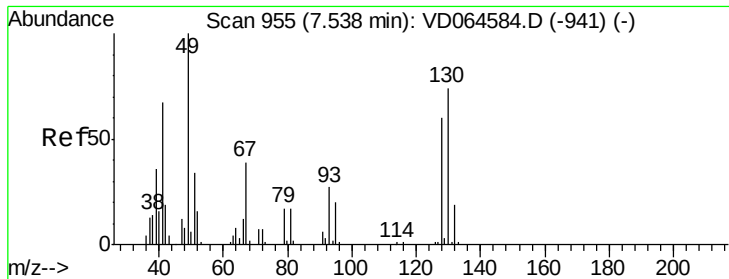
Tgt Ion: 83 Resp: 112377
Ion Ratio Lower Upper
83 100
55 73.2 57.8 86.6
98 49.5 38.7 58.1



#40
Benzene
Concen: 19.317 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 78 Resp: 271634
Ion Ratio Lower Upper
78 100
77 25.0 19.9 29.9





#41

Methacrylonitrile

Concen: 14.324 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tgt Ion: 41 Resp: 16818

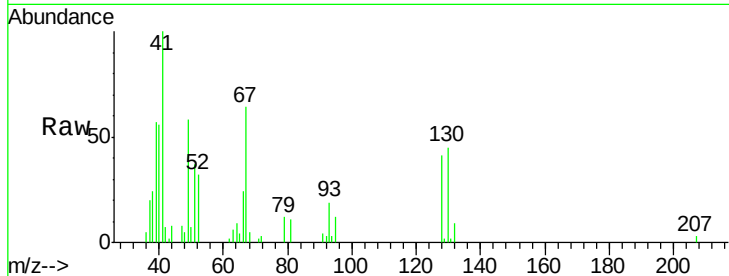
Ion Ratio Lower Upper

41 100

39 77.2 46.7 70.1#

67 91.1 52.5 78.7#

52 41.9 24.1 36.1#

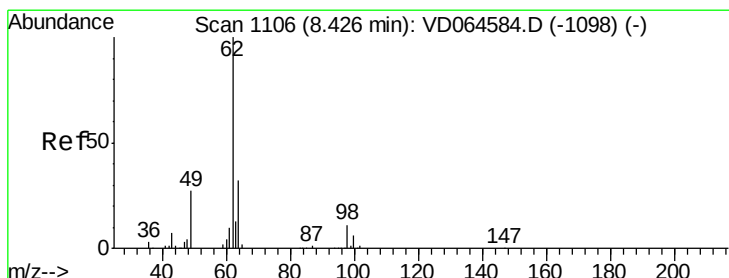
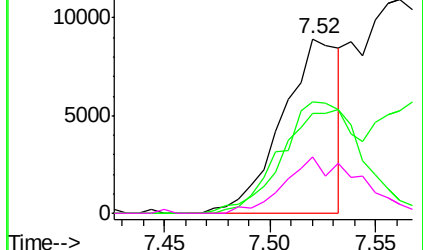
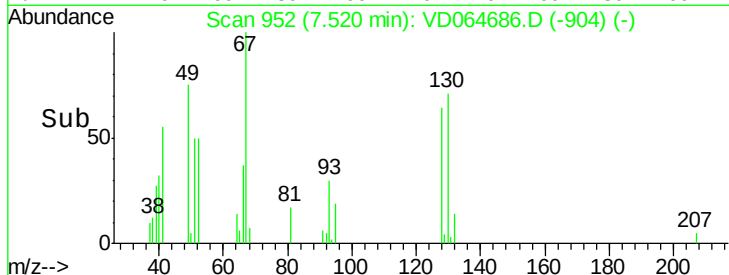


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.263 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD064686.D

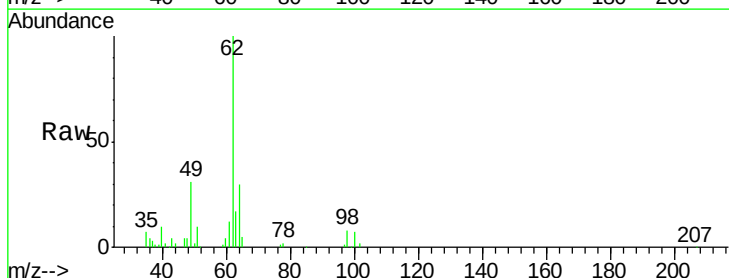
Acq: 31 Dec 2019 10:58

Tgt Ion: 62 Resp: 78274

Ion Ratio Lower Upper

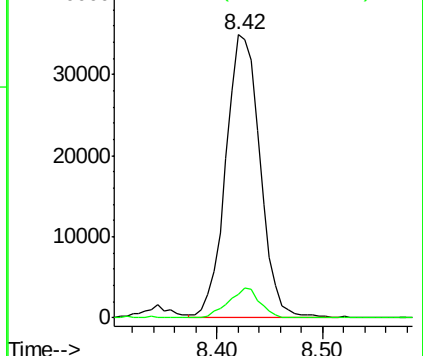
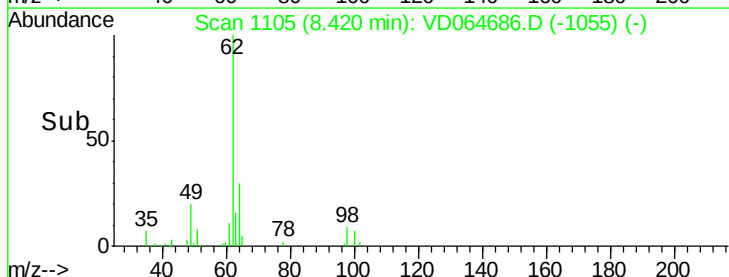
62 100

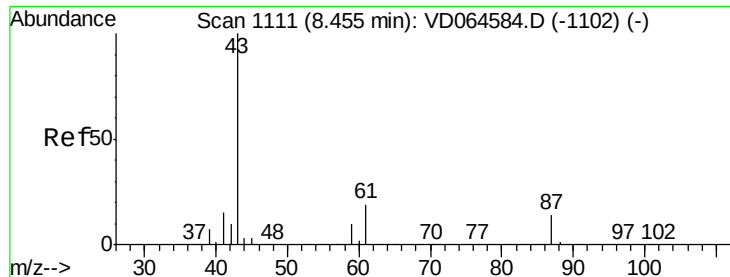
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.144 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

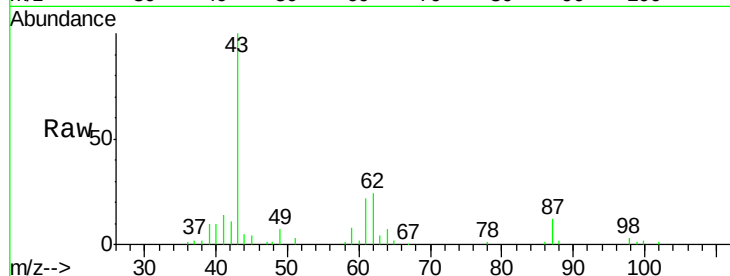
Tgt Ion: 43 Resp: 69054

Ion Ratio Lower Upper

43 100

61 30.8 23.7 35.5

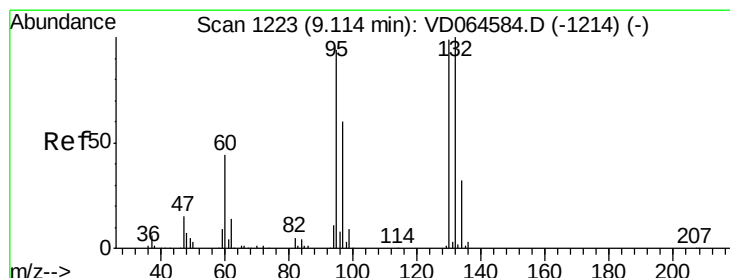
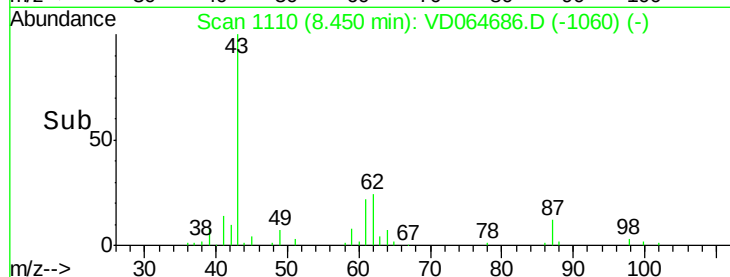
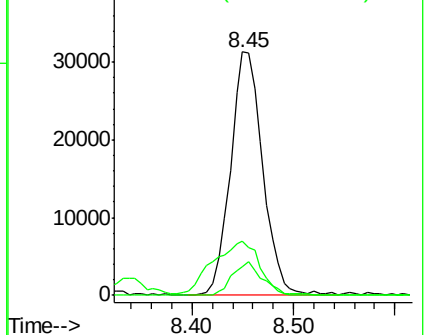
87 12.3 10.5 15.7



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: 19.480 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064686.D

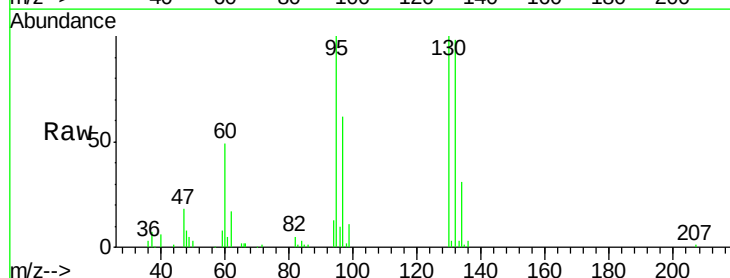
Acq: 31 Dec 2019 10:58

Tgt Ion: 130 Resp: 80470

Ion Ratio Lower Upper

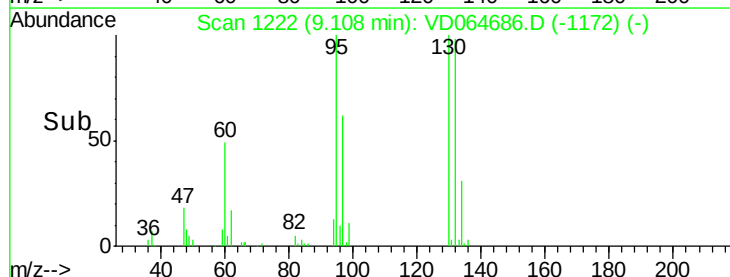
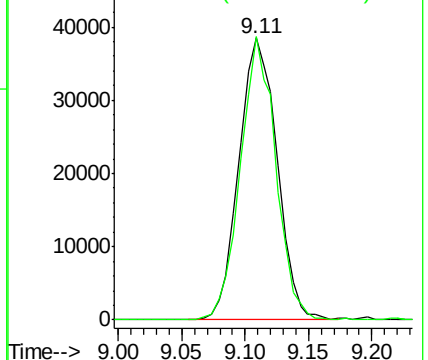
130 100

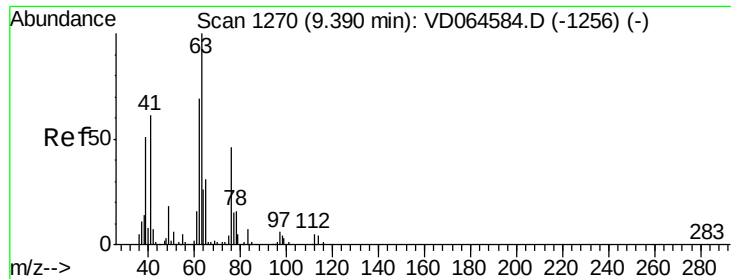
95 100.4 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.740 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

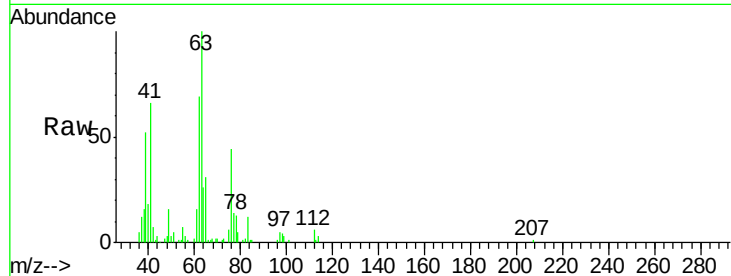
VD1231SBS01

Tgt Ion: 63 Resp: 66277

Ion Ratio Lower Upper

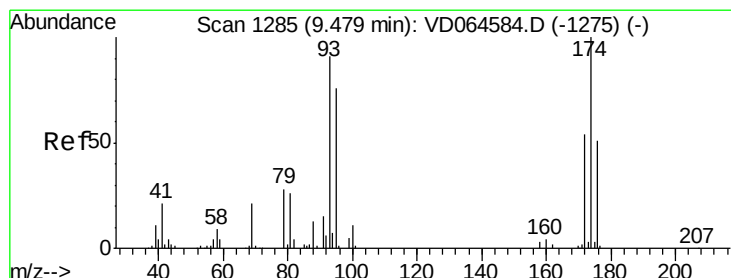
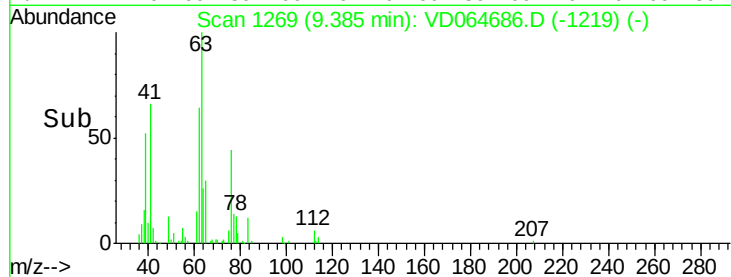
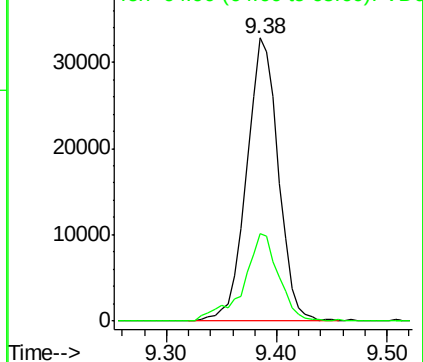
63 100

65 30.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 17.888 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

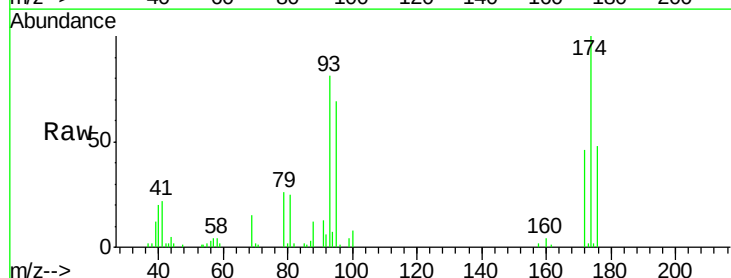
Tgt Ion: 93 Resp: 33484

Ion Ratio Lower Upper

93 100

95 89.0 64.6 97.0

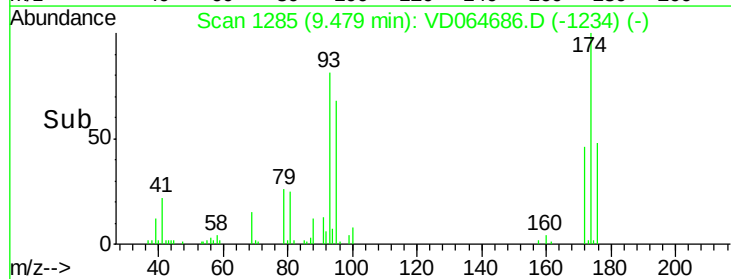
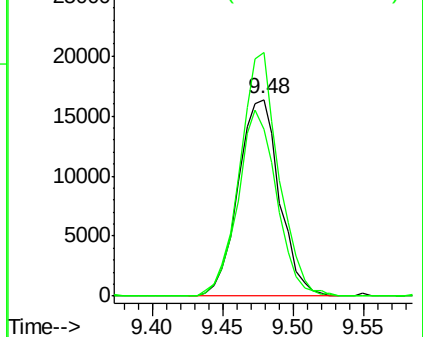
174 116.7 88.1 132.1

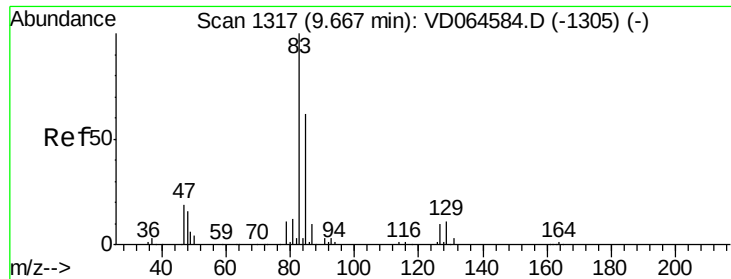


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.059 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

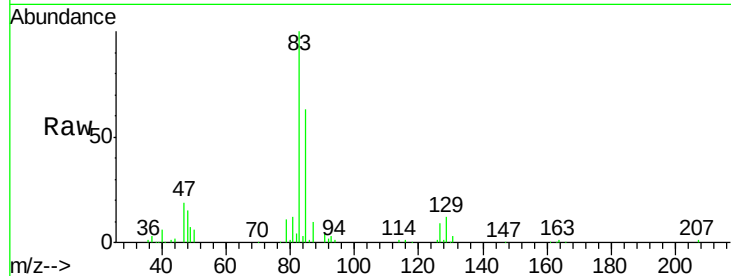
Tgt Ion: 83 Resp: 94932

Ion Ratio Lower Upper

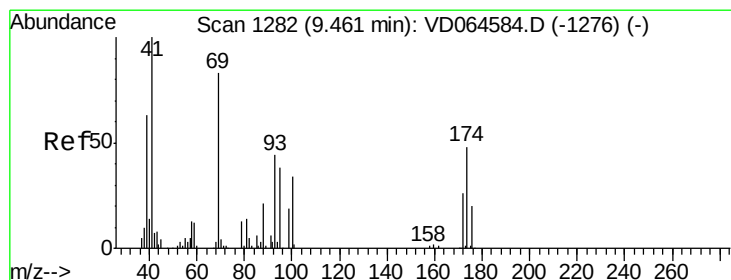
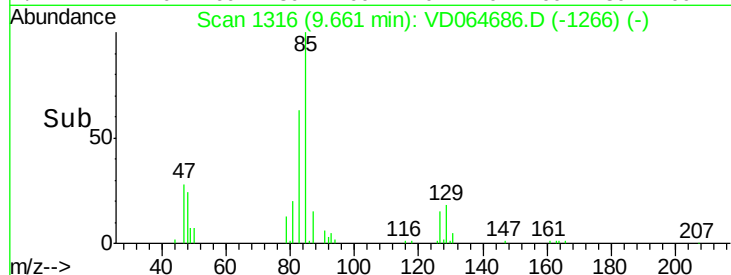
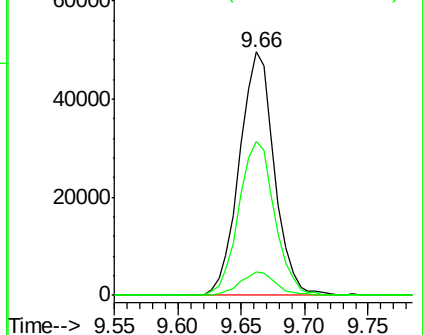
83 100

85 63.3 49.5 74.3

127 9.5 7.8 11.6



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): V



#48

Methyl methacrylate

Concen: 16.749 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

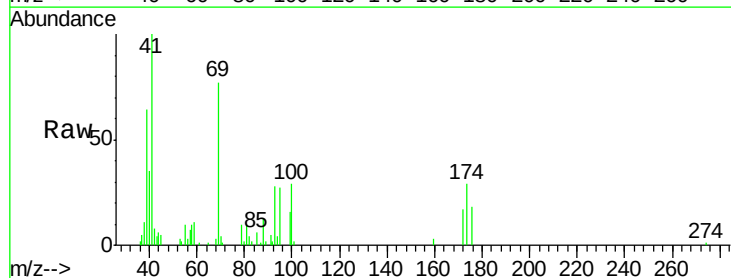
Tgt Ion: 41 Resp: 31764

Ion Ratio Lower Upper

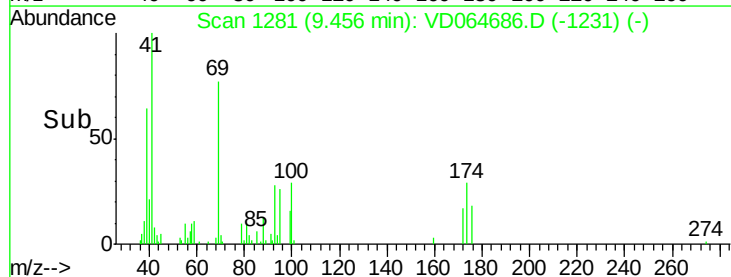
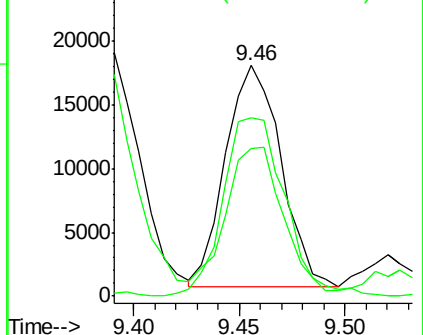
41 100

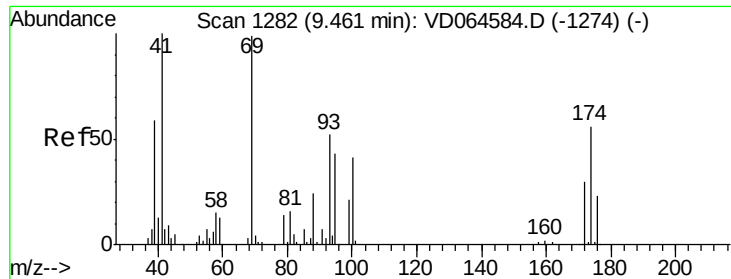
69 89.1 63.0 94.6

39 70.1 47.4 71.2



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

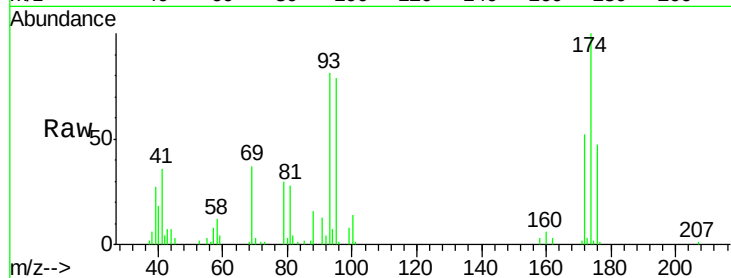




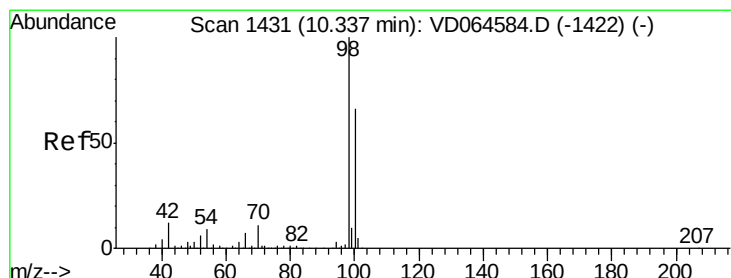
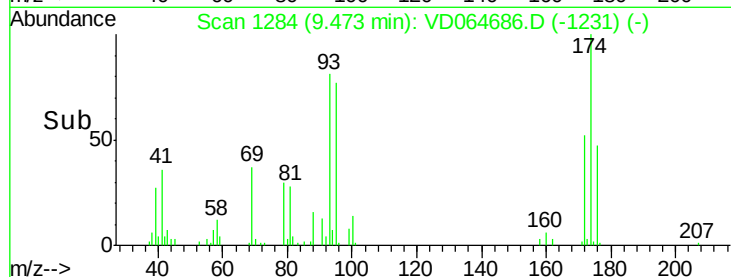
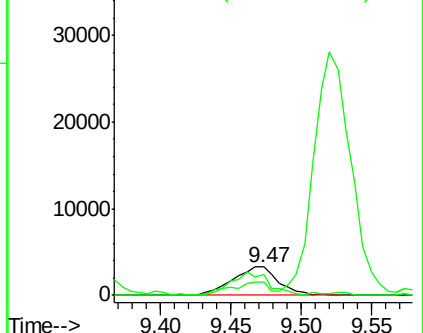
#49
1,4-Dioxane
Concen: 341.825 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tgt Ion: 88 Resp: 7378
Ion Ratio Lower Upper
88 100
43 37.4 27.7 41.5
58 68.4 53.8 80.6

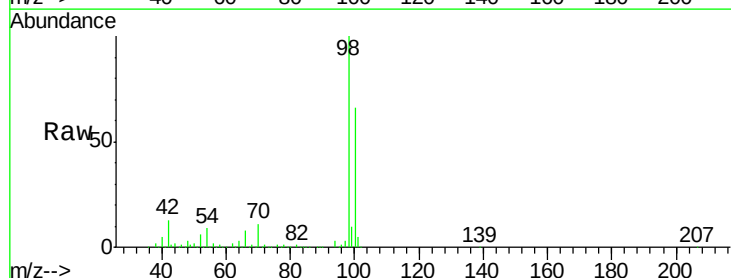


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

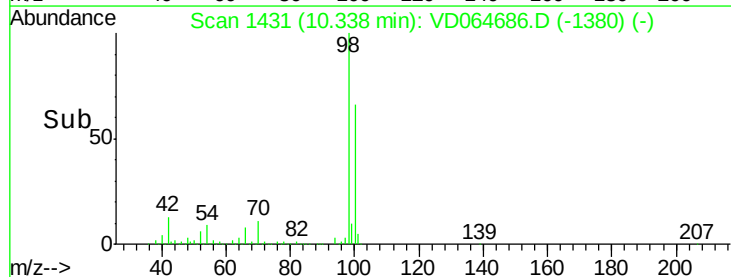
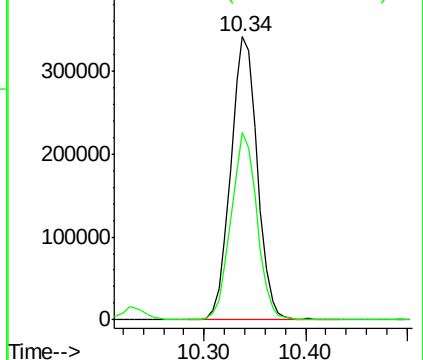


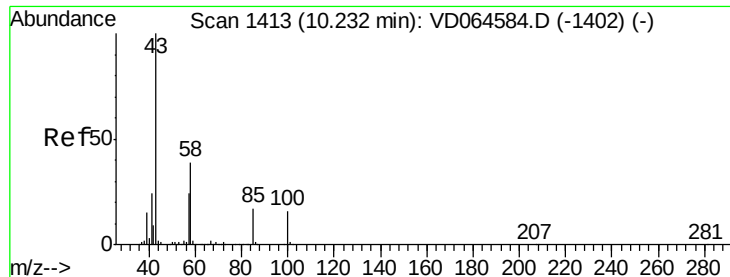
#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 98 Resp: 618300
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



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

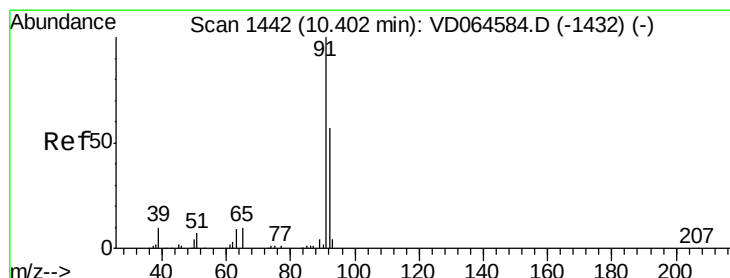
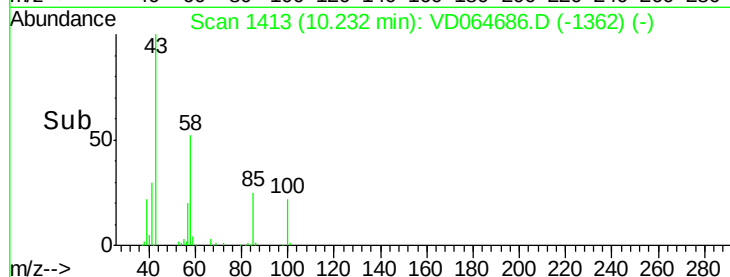
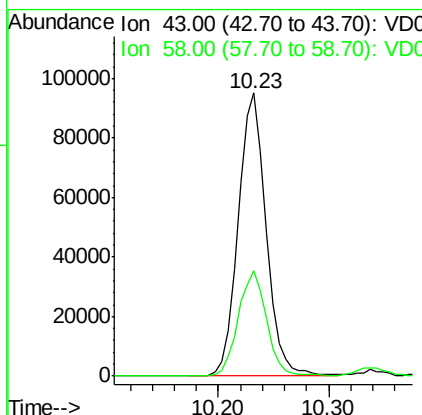
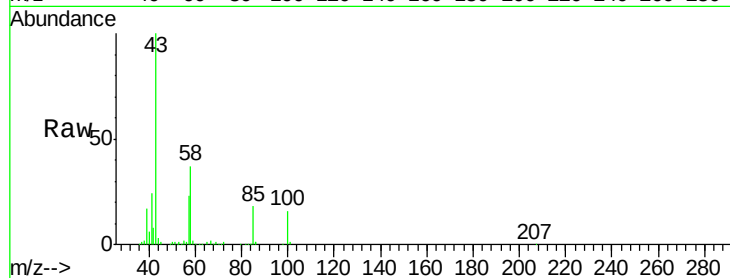




#51
 4-Methyl-2-Pentanone
 Concen: 85.262 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

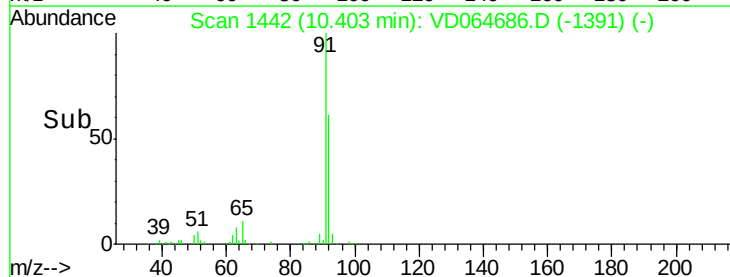
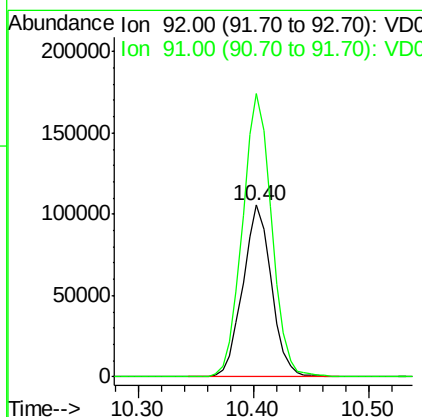
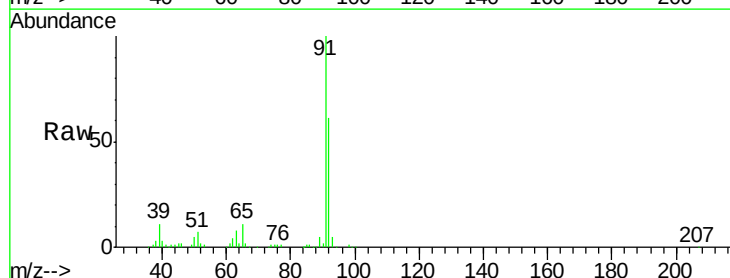
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

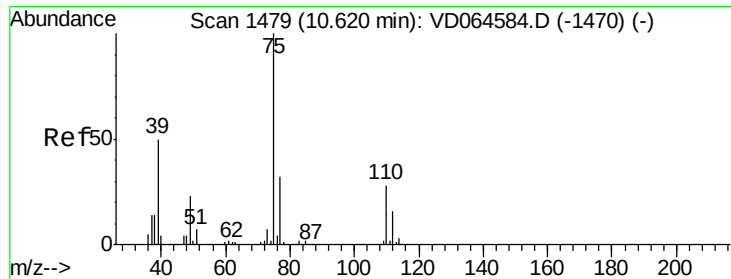
Tgt Ion: 43 Resp: 169744
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.2 45.2



#52
 Toluene
 Concen: 19.740 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 92 Resp: 182118
 Ion Ratio Lower Upper
 92 100
 91 168.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 18.650 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

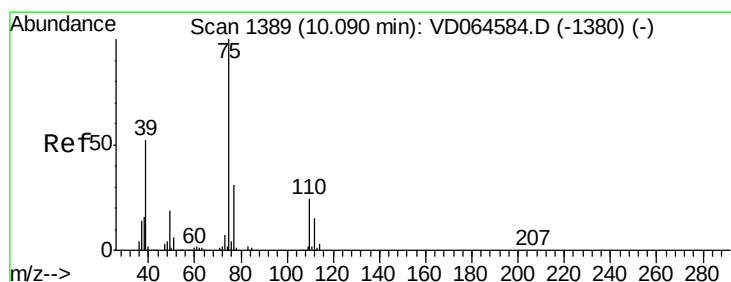
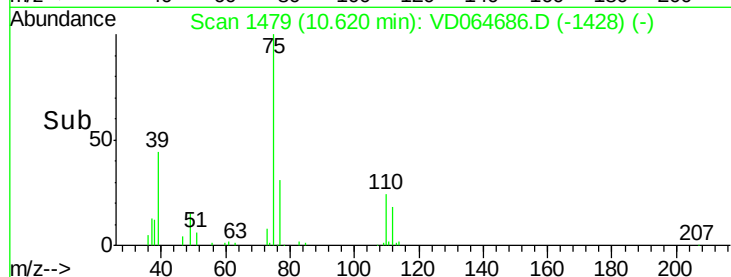
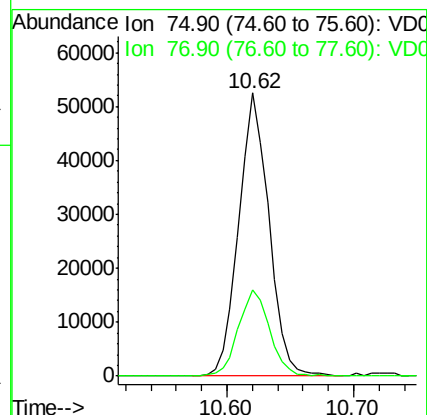
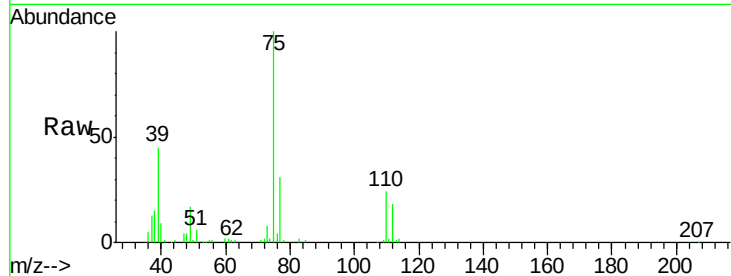
VD1231SBS01

Tgt Ion: 75 Resp: 86610

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.289 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

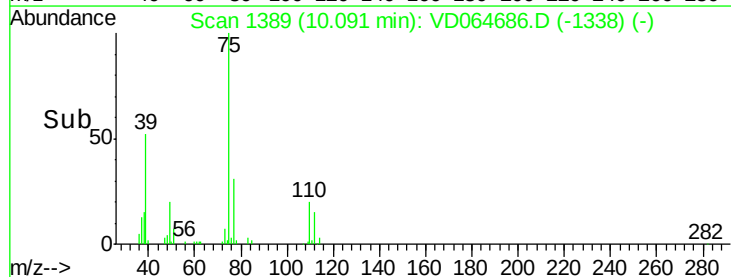
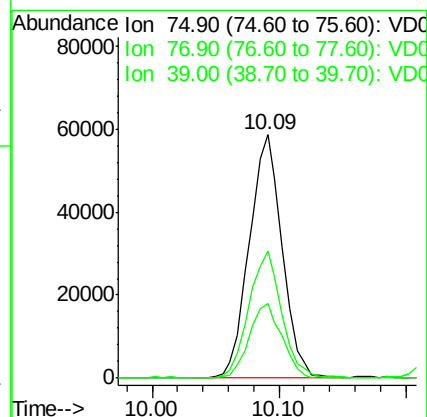
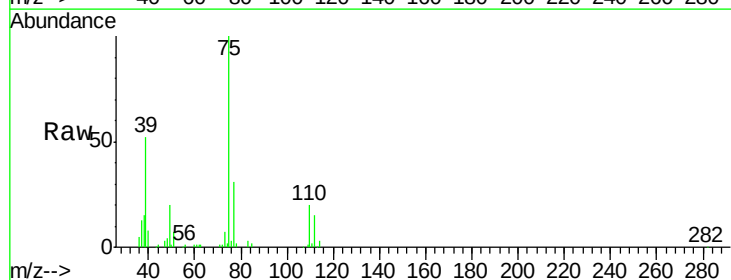
Tgt Ion: 75 Resp: 105622

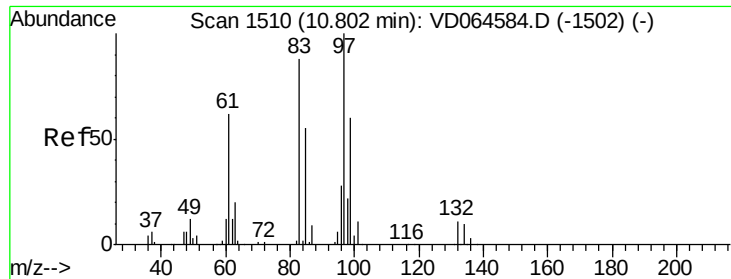
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 52.0 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 17.960 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tgt Ion: 97 Resp: 45308

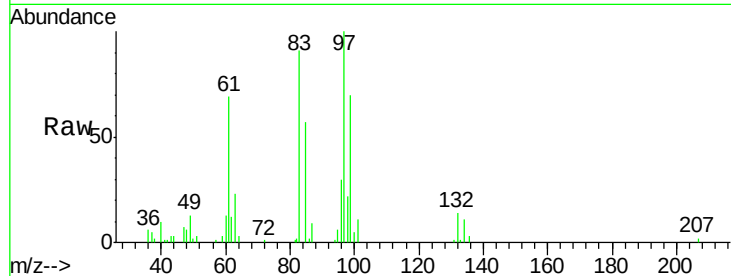
Ion Ratio Lower Upper

97 100

83 90.7 70.2 105.4

85 56.9 44.0 66.0

99 69.8 47.8 71.6

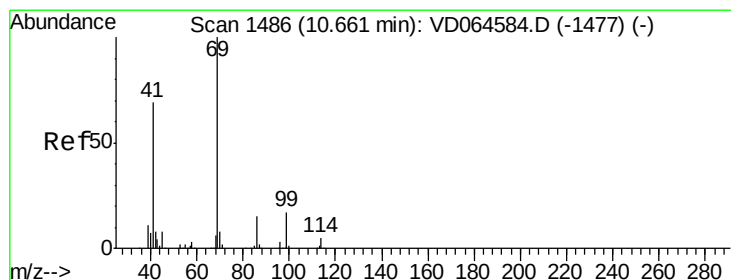
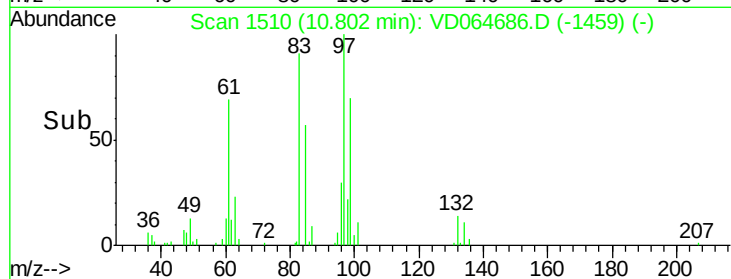
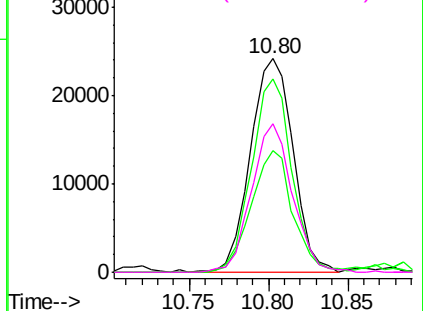


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



#56

Ethyl methacrylate

Concen: 17.687 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

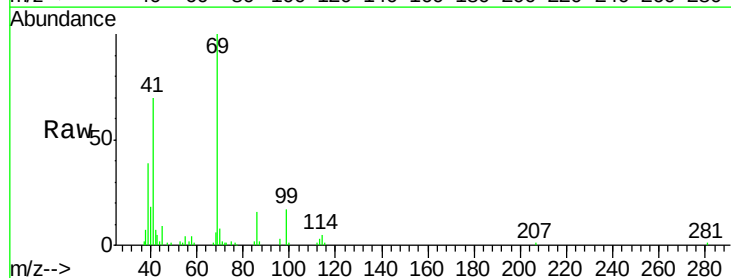
Tgt Ion: 69 Resp: 55722

Ion Ratio Lower Upper

69 100

41 70.1 55.3 82.9

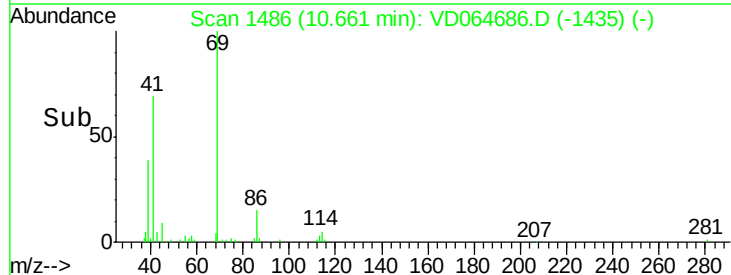
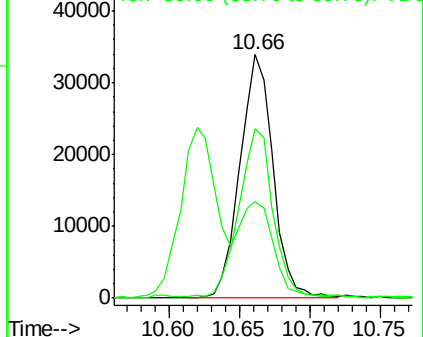
39 39.1 33.8 50.8

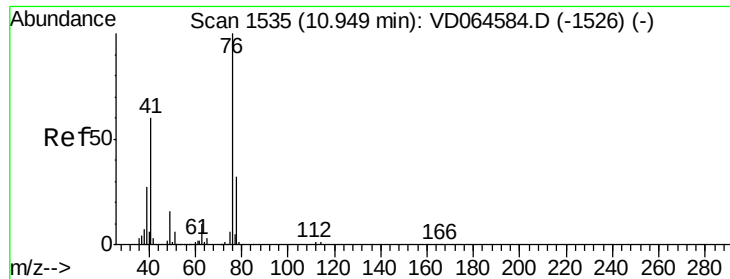


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 18.465 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

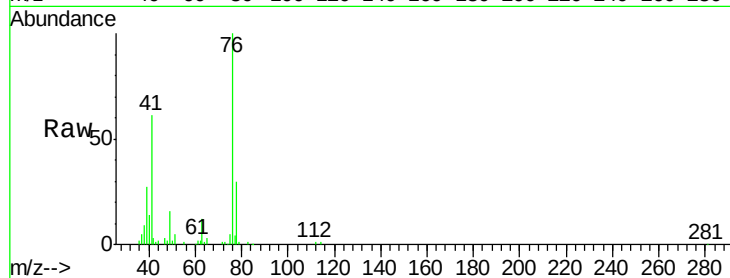
VD1231SBS01

Tgt Ion: 76 Resp: 80206

Ion Ratio Lower Upper

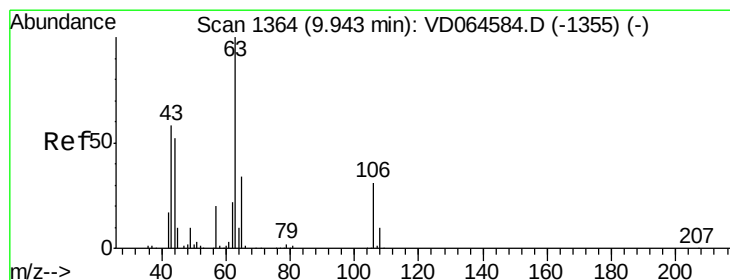
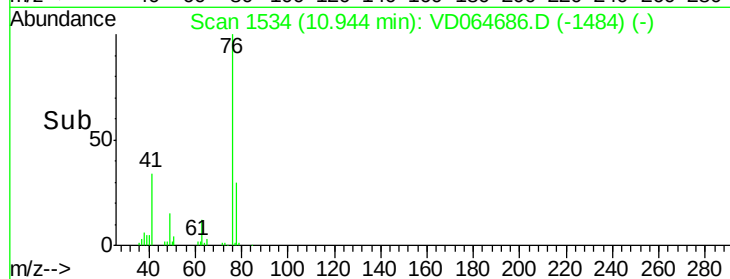
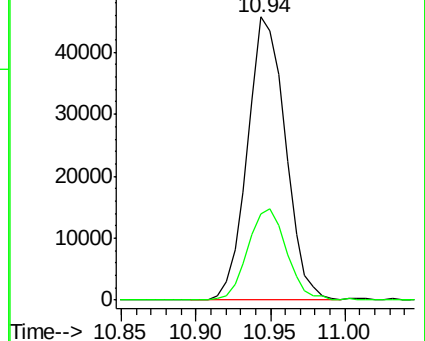
76 100

78 33.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 91.191 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064686.D

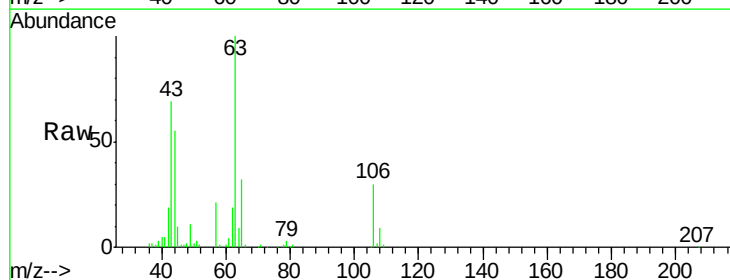
Acq: 31 Dec 2019 10:58

Tgt Ion: 63 Resp: 109459

Ion Ratio Lower Upper

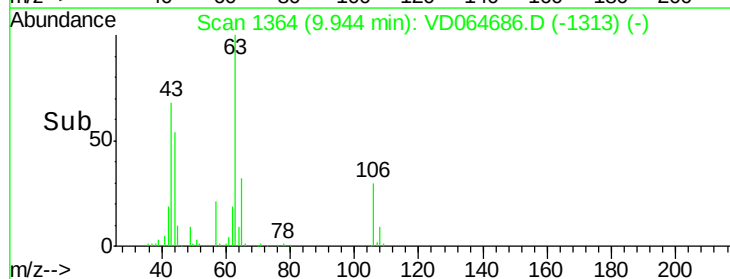
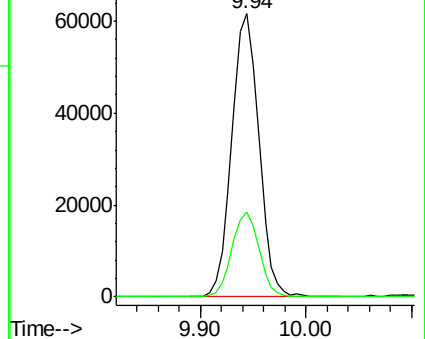
63 100

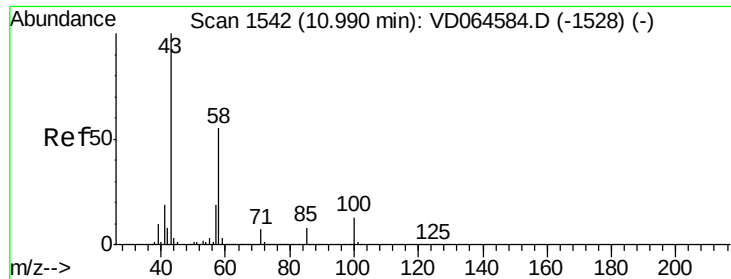
106 30.2 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

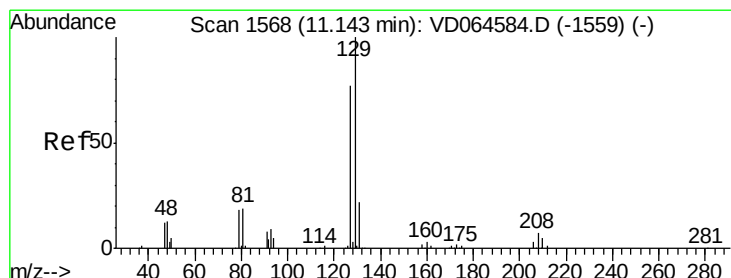
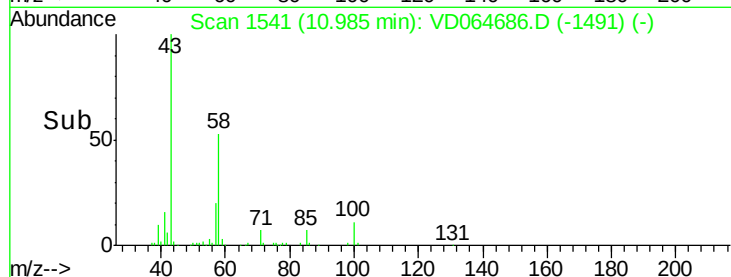
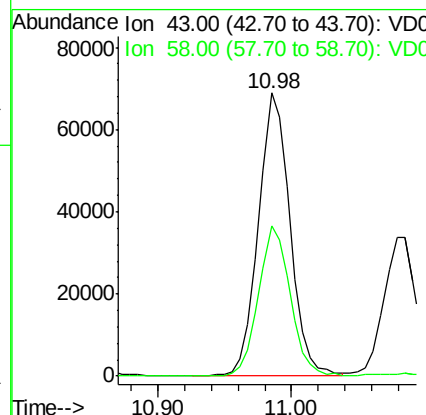
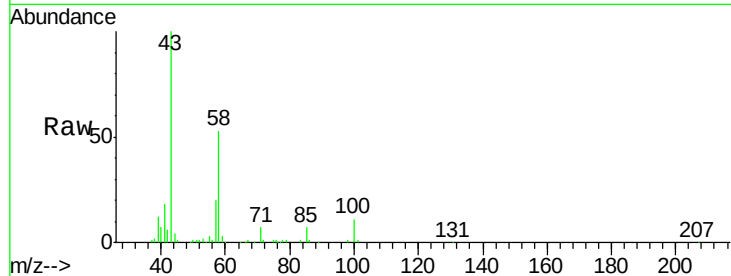




#59
2-Hexanone
Concen: 83.347 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

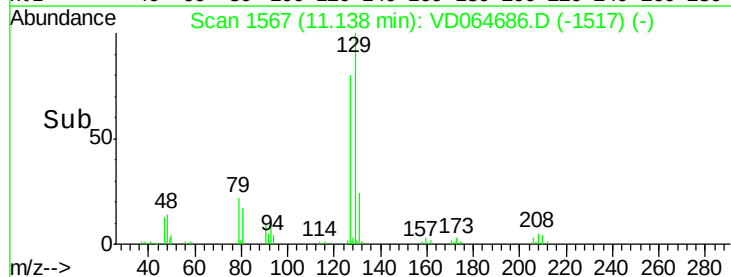
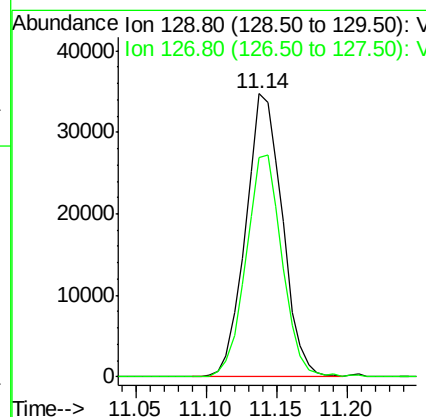
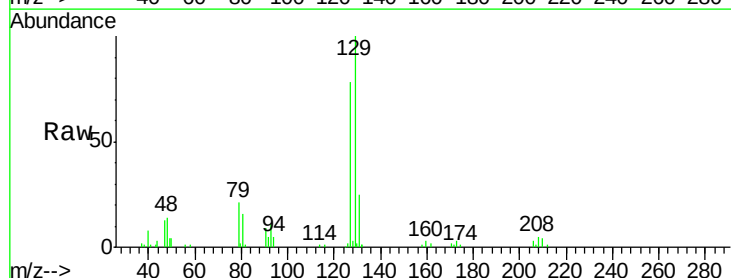
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

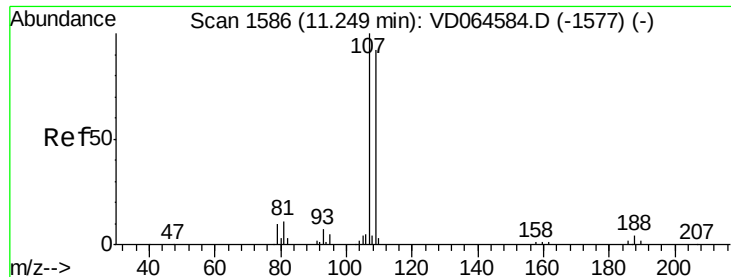
Tgt Ion: 43 Resp: 112621
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0



#60
Dibromochloromethane
Concen: 18.157 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 129 Resp: 63340
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2

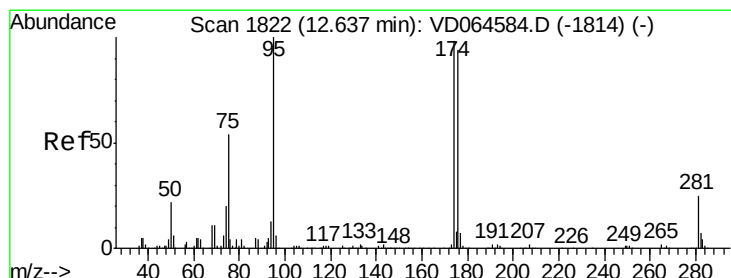
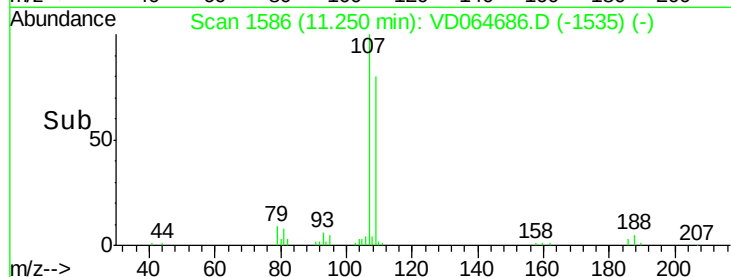
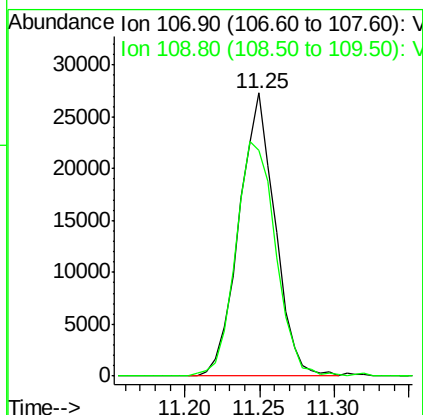
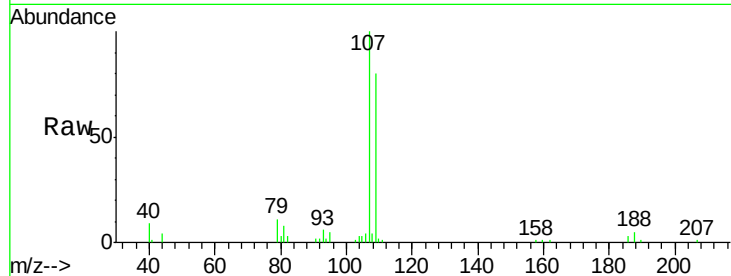




#61
 1,2-Dibromoethane
 Concen: 18.274 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

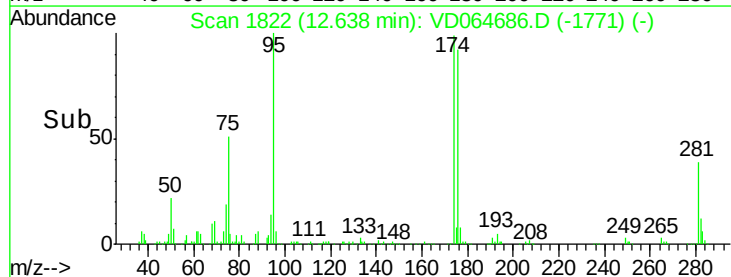
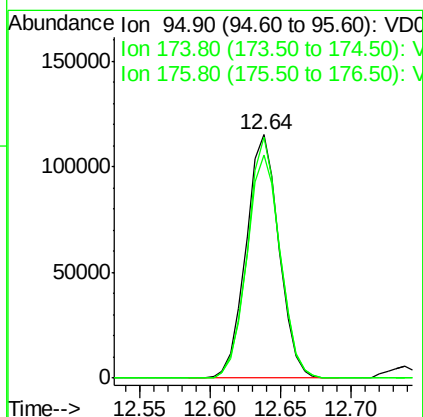
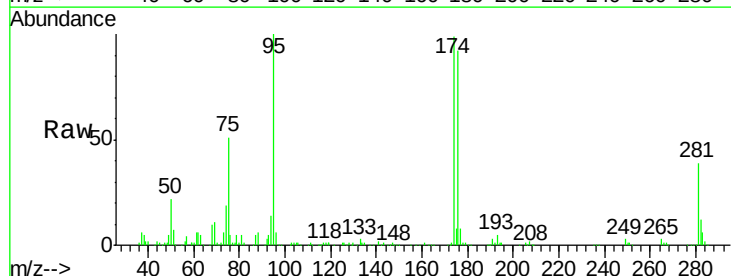
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

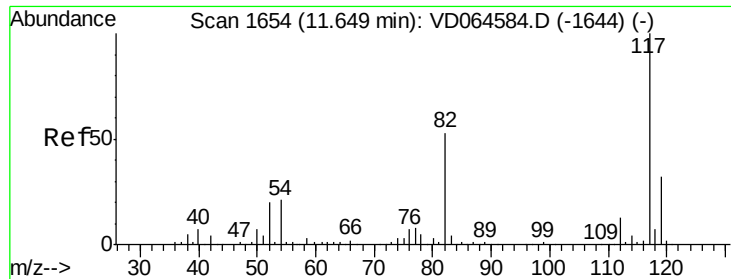
Tgt Ion: 107 Resp: 45469
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.479 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 95 Resp: 188793
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 193.2
 176 93.4 0.0 184.2

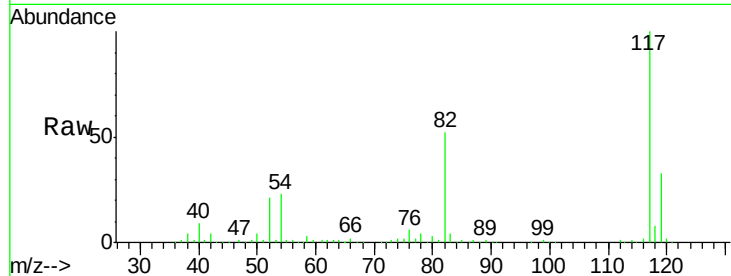




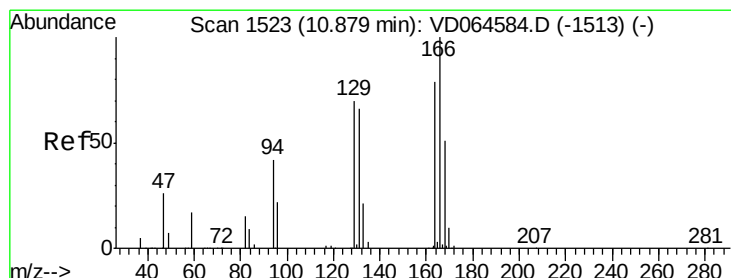
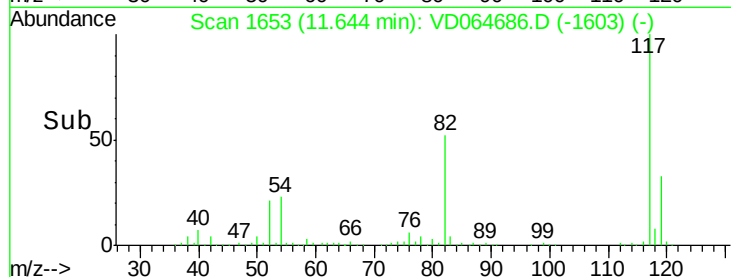
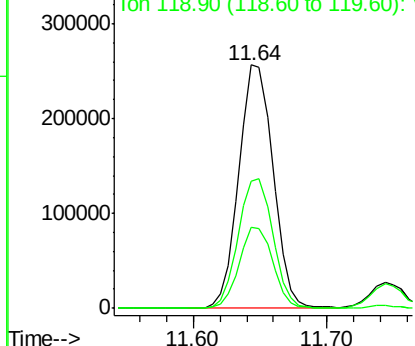
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tgt Ion:117 Resp: 457410
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.4
119 33.3 26.0 39.0

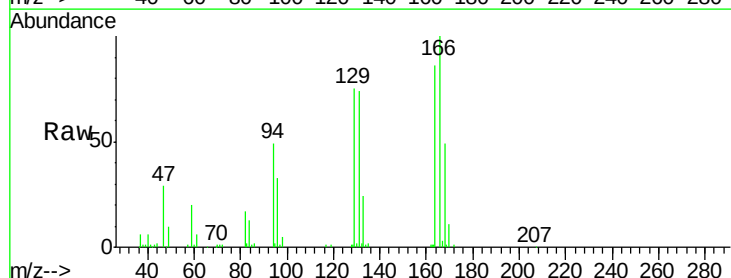


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

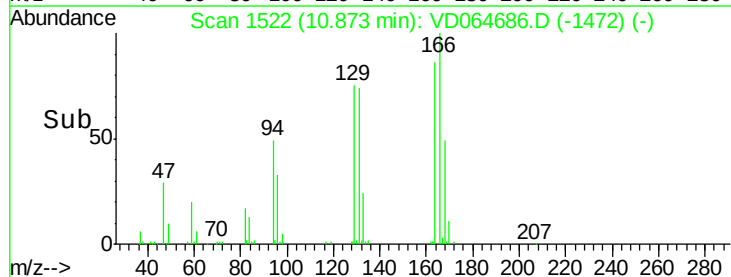
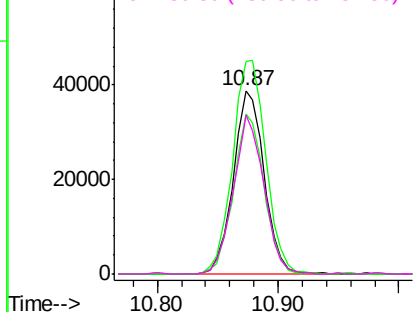


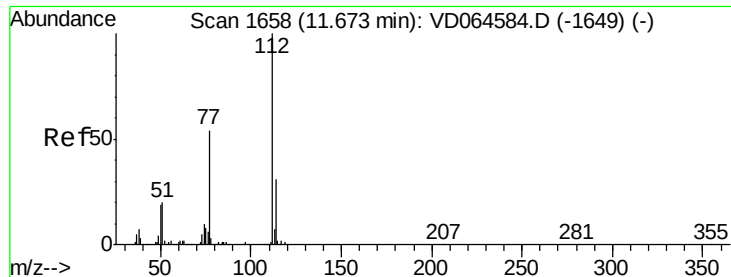
#64
Tetrachloroethene
Concen: 19.678 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion:164 Resp: 69052
Ion Ratio Lower Upper
164 100
166 116.1 101.3 151.9
129 86.9 70.5 105.7
131 86.5 66.6 99.8



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

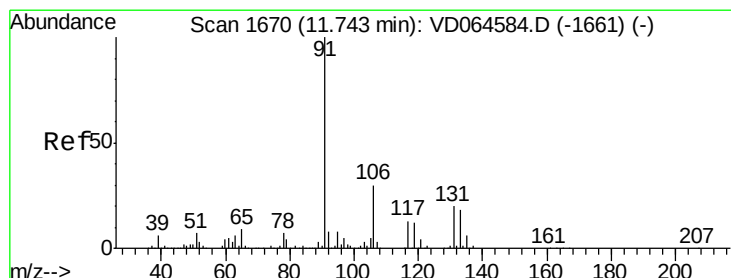
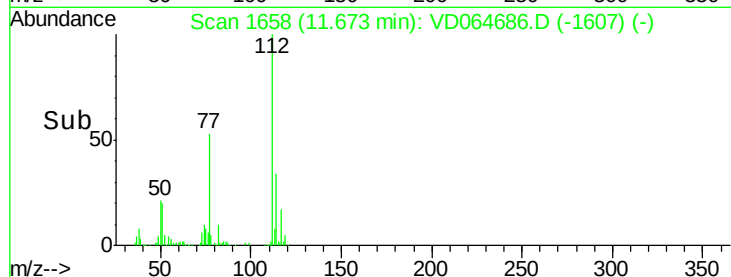
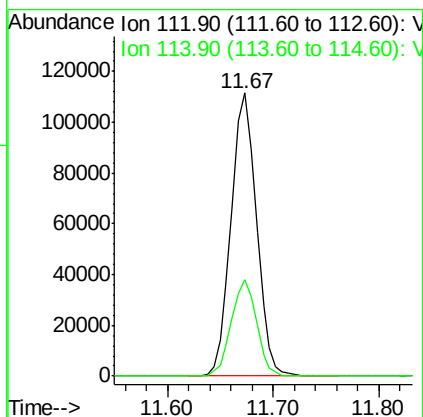
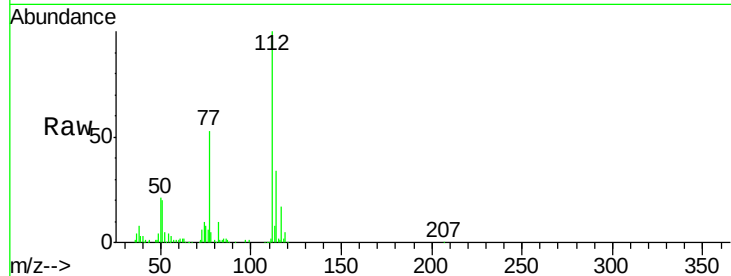




#65
Chlorobenzene
Concen: 19.559 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

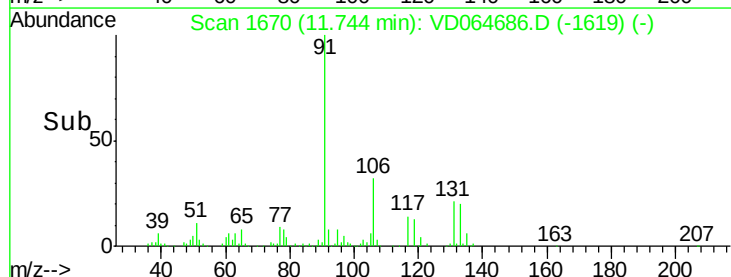
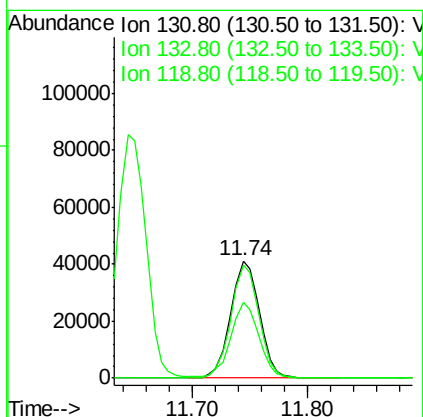
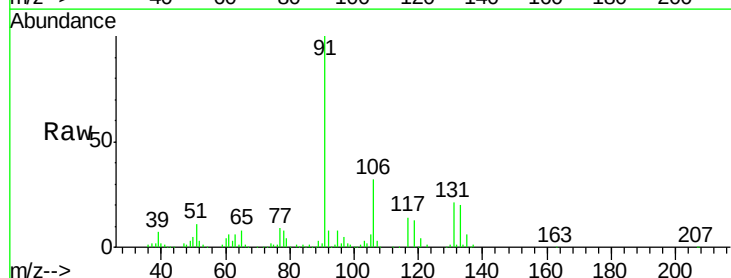
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

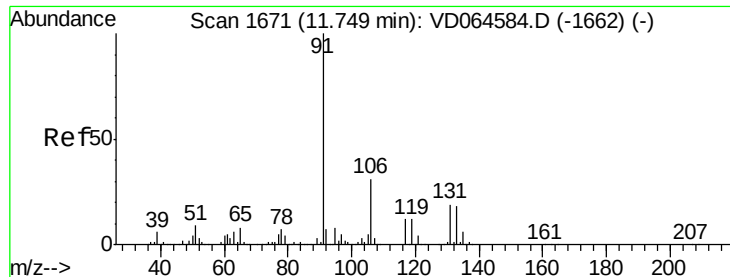
Tgt Ion:112 Resp: 185683
Ion Ratio Lower Upper
112 100
114 34.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.007 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion:131 Resp: 71602
Ion Ratio Lower Upper
131 100
133 93.7 48.3 144.8
119 63.7 32.1 96.3





#67

Ethyl Benzene

Concen: 19.623 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

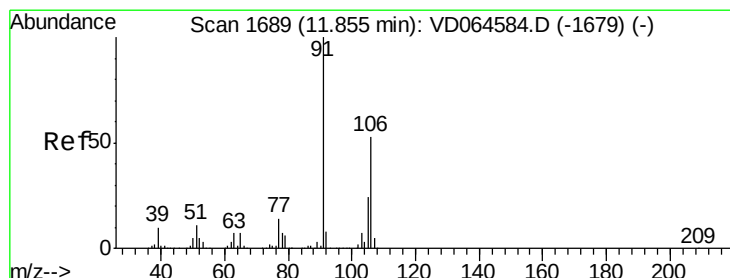
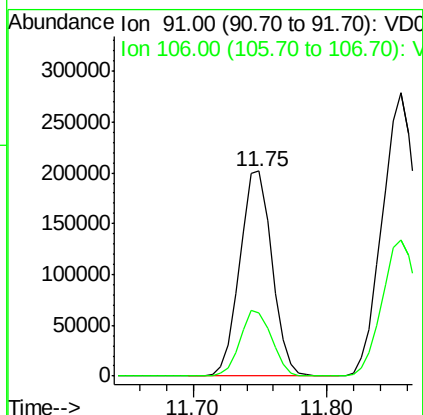
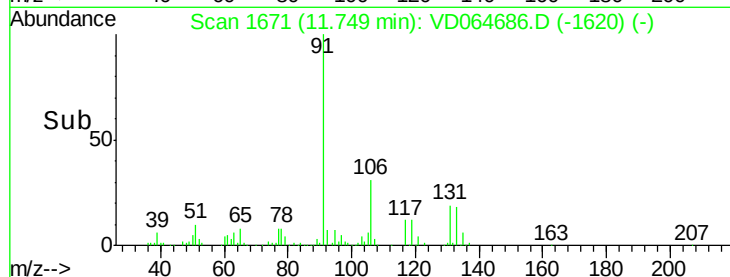
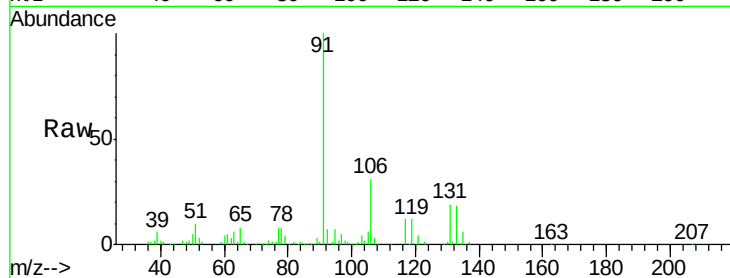
VD1231SBS01

Tgt Ion: 91 Resp: 338131

Ion Ratio Lower Upper

91 100

106 31.1 24.6 36.8



#68

m/p-Xylenes

Concen: 38.428 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064686.D

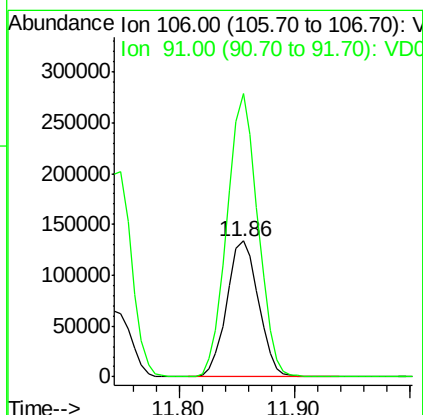
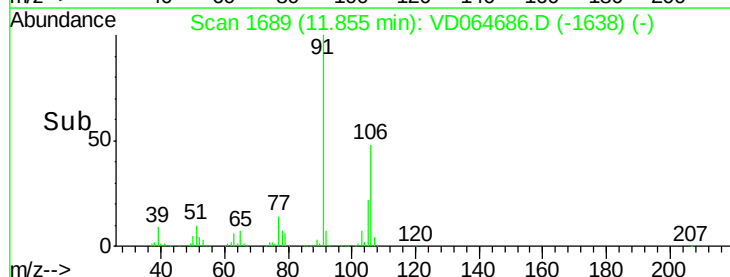
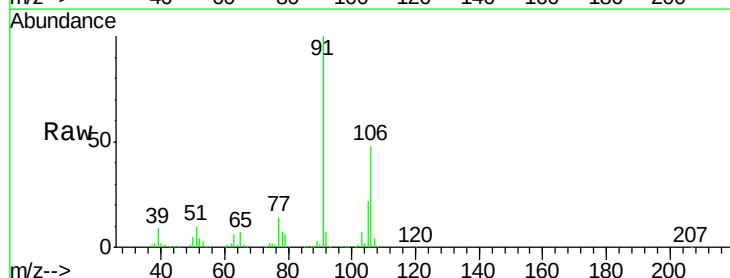
Acq: 31 Dec 2019 10:58

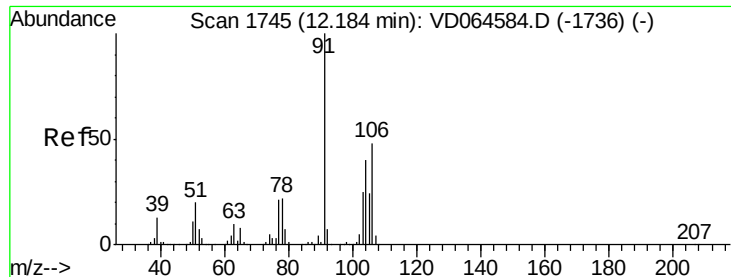
Tgt Ion: 106 Resp: 255582

Ion Ratio Lower Upper

106 100

91 202.7 156.3 234.5

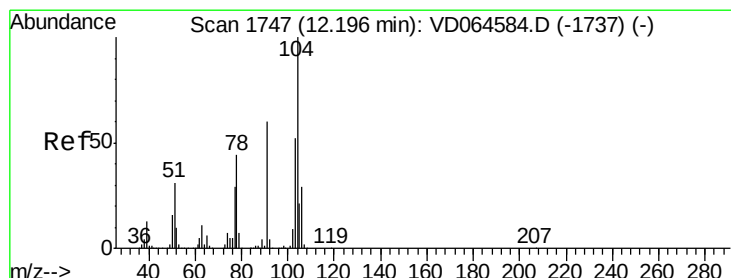
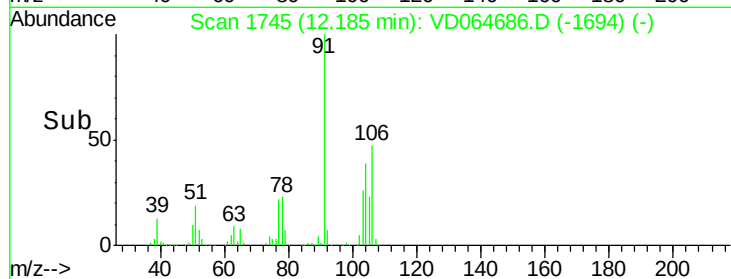
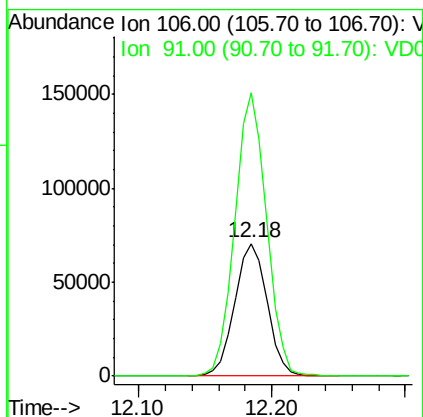
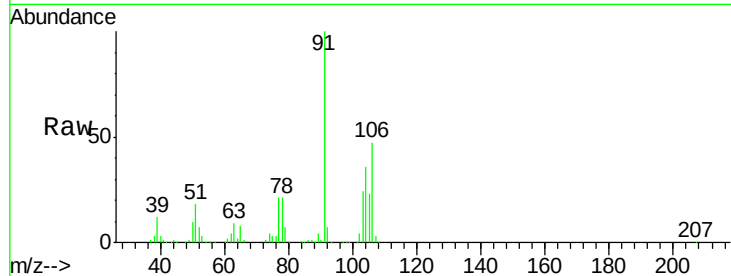




#69
o-Xylene
Concen: 19.678 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

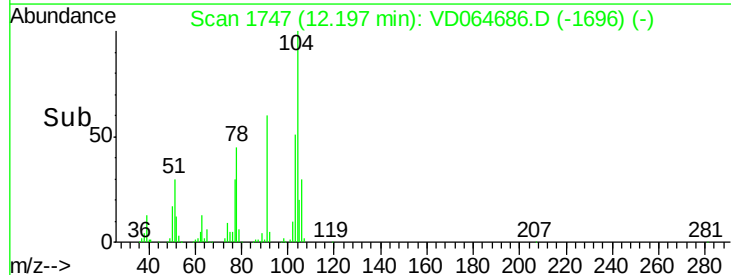
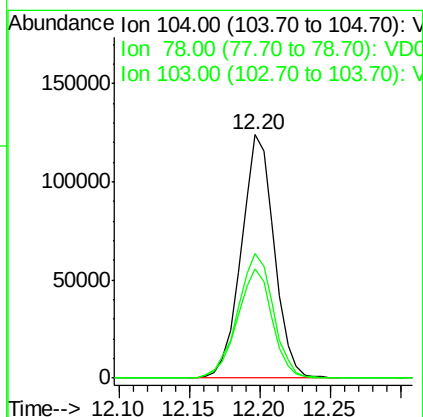
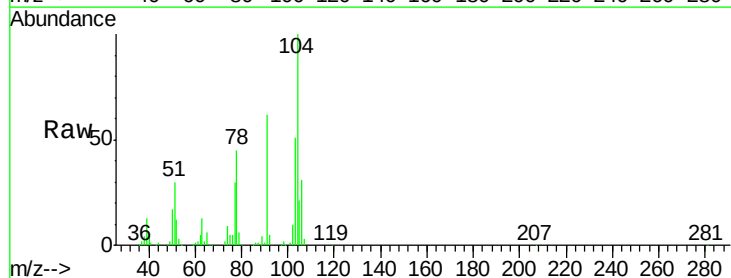
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

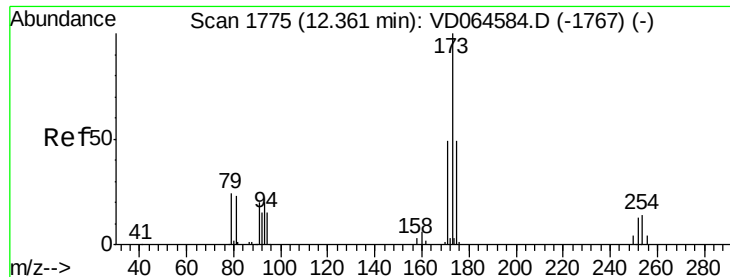
Tgt Ion:106 Resp: 118215
Ion Ratio Lower Upper
106 100
91 209.7 104.8 314.4



#70
Styrene
Concen: 19.105 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion:104 Resp: 201452
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.6 44.6 67.0





#71

Bromoform

Concen: 18.123 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

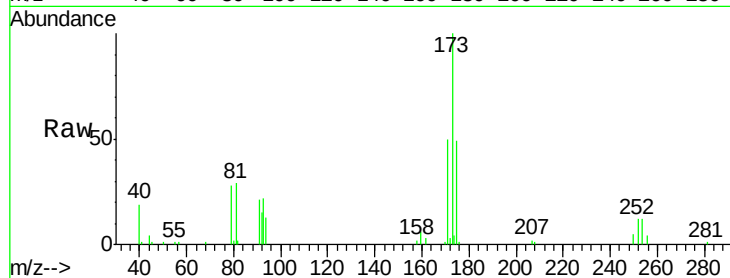
Tgt Ion:173 Resp: 36989

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

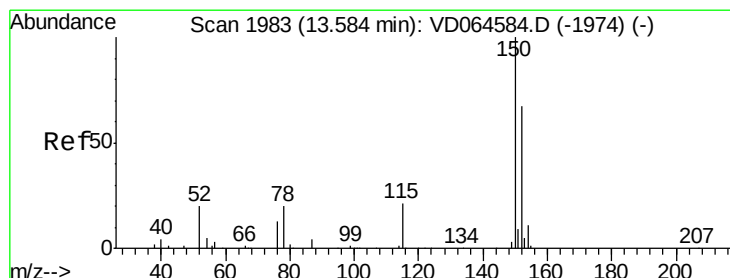
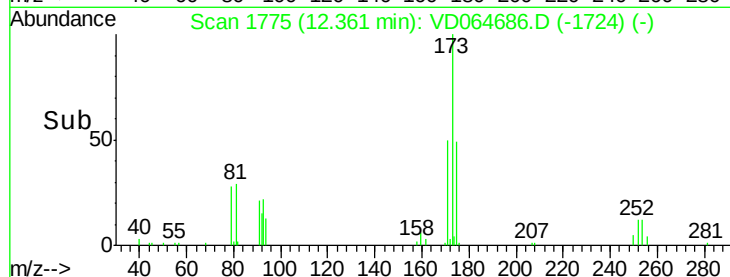
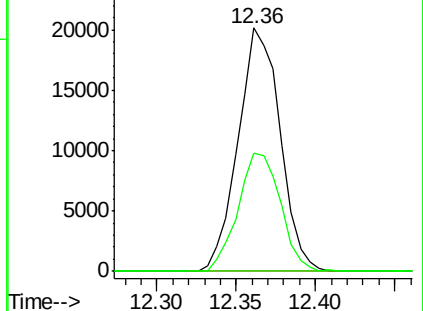
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

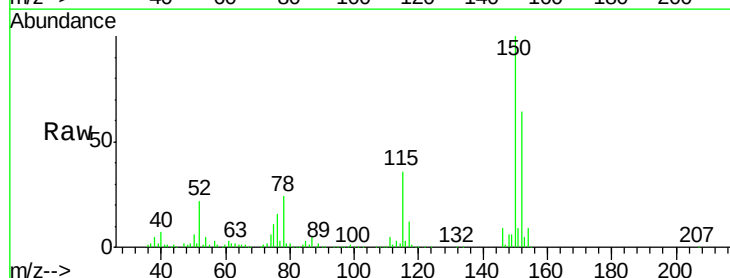
Tgt Ion:152 Resp: 220825

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

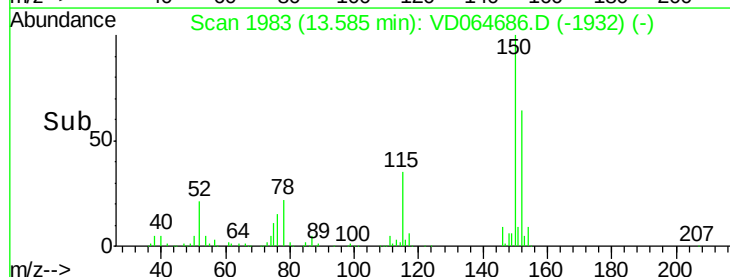
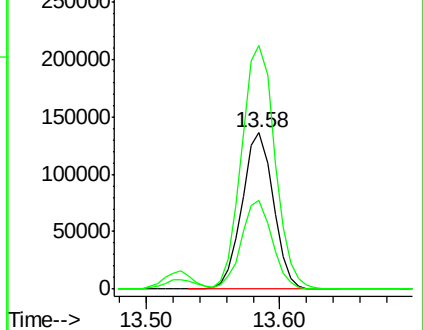
150 165.9 0.0 351.4

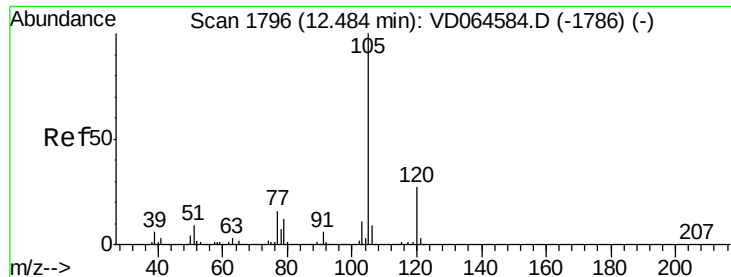


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.183 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

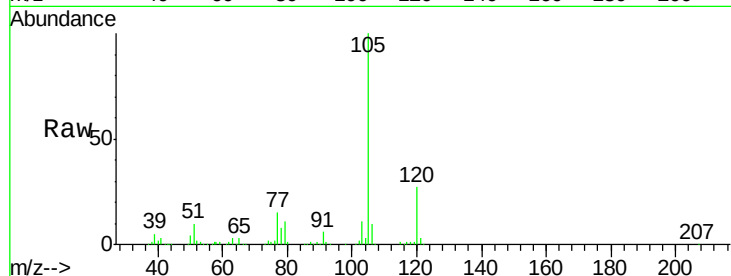
VD1231SBS01

Tgt Ion:105 Resp: 318504

Ion Ratio Lower Upper

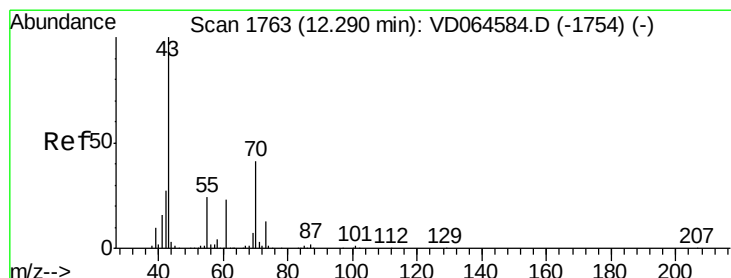
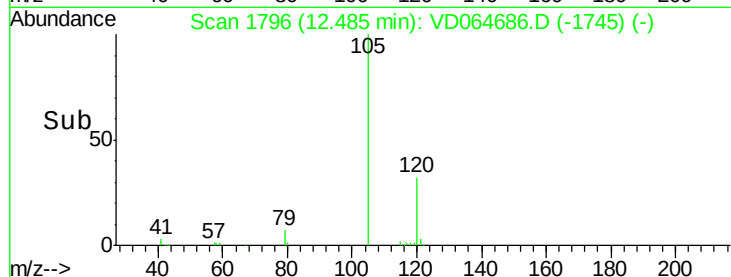
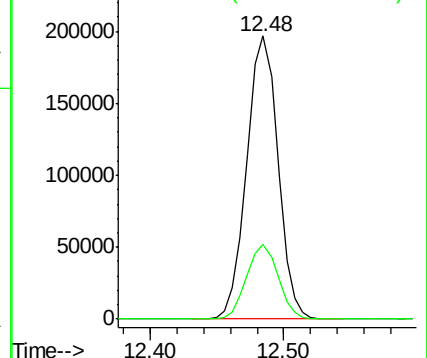
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.284 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion: 43 Resp: 61678

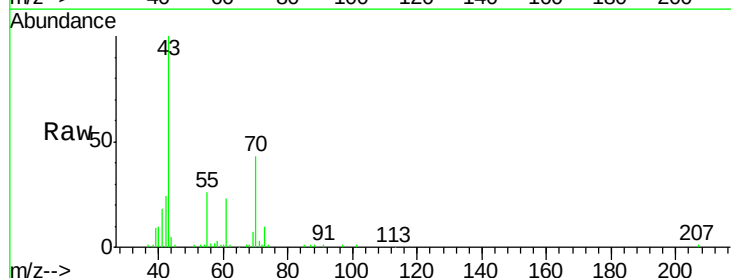
Ion Ratio Lower Upper

43 100

70 40.3 33.4 50.0

55 24.9 19.4 29.0

61 22.9 18.3 27.5

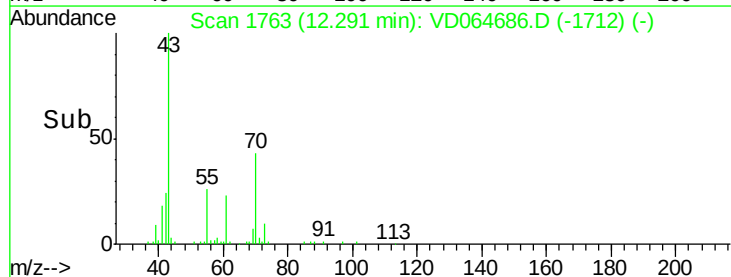
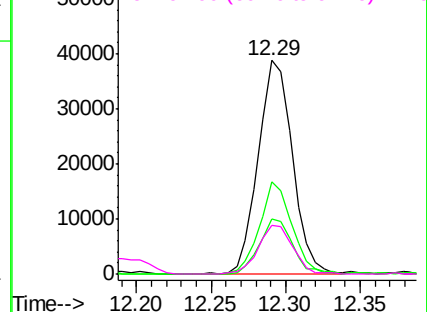


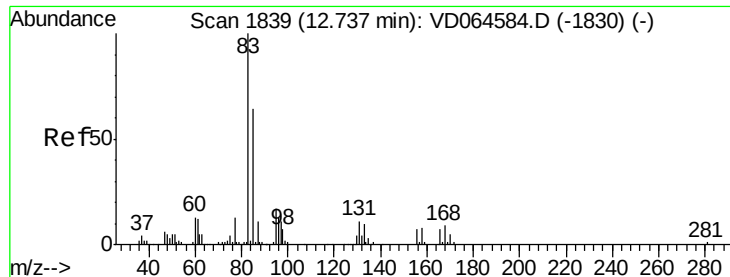
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.019 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

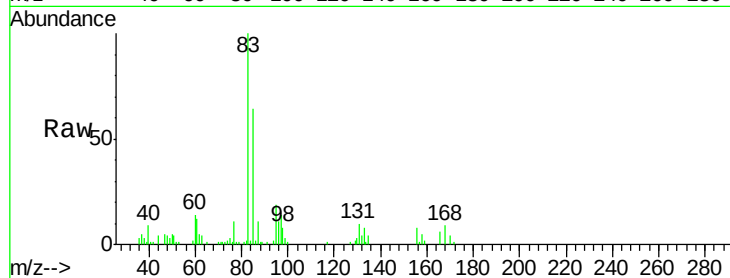
Tgt Ion: 83 Resp: 47148

Ion Ratio Lower Upper

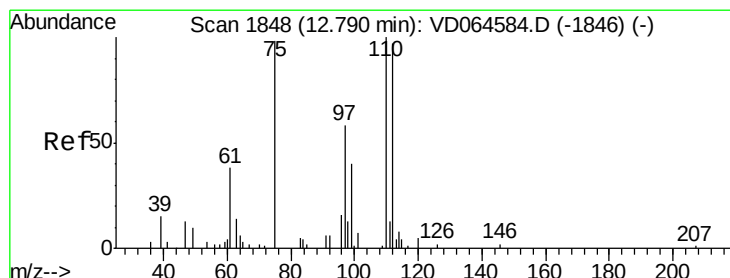
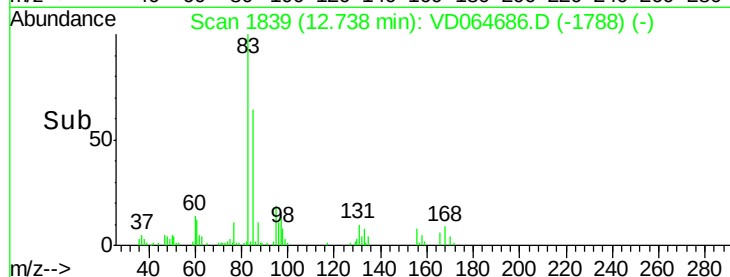
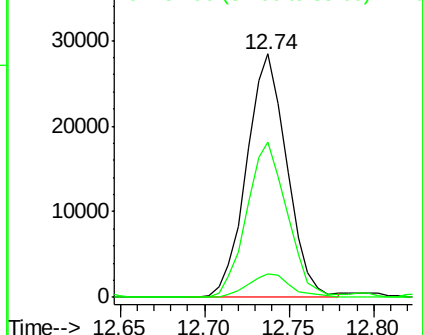
83 100

131 10.2 5.8 17.4

85 64.3 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 35.990 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064686.D

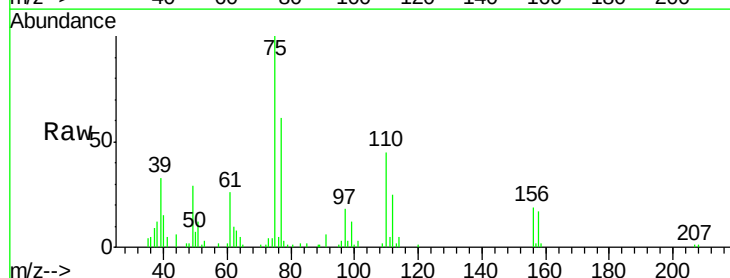
Acq: 31 Dec 2019 10:58

Tgt Ion: 75 Resp: 62758

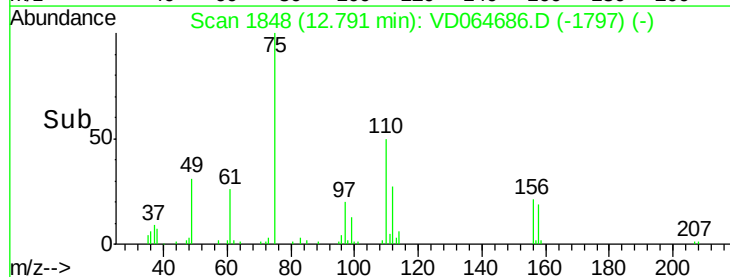
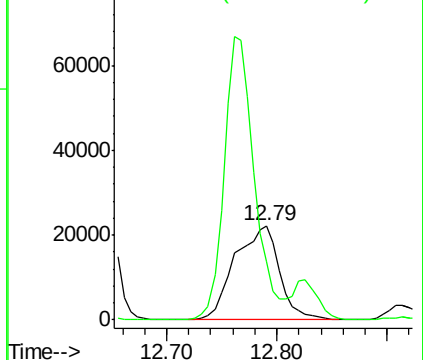
Ion Ratio Lower Upper

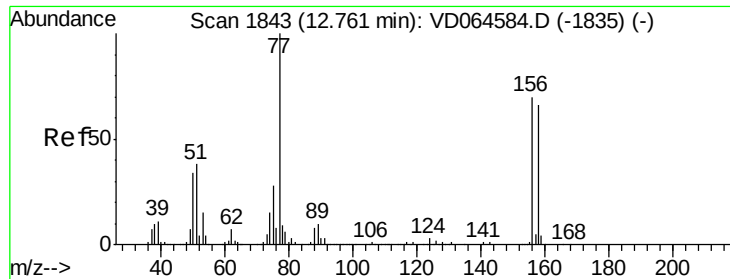
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.998 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

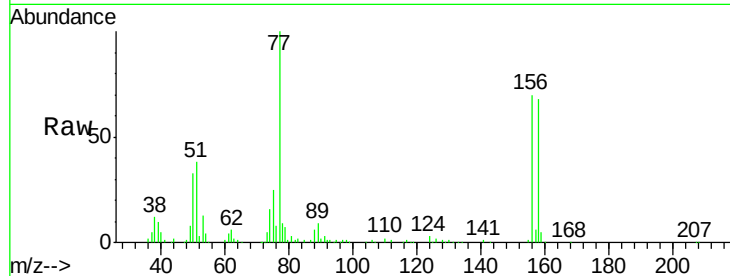
Tgt Ion:156 Resp: 77544

Ion Ratio Lower Upper

156 100

77 165.6 80.9 242.7

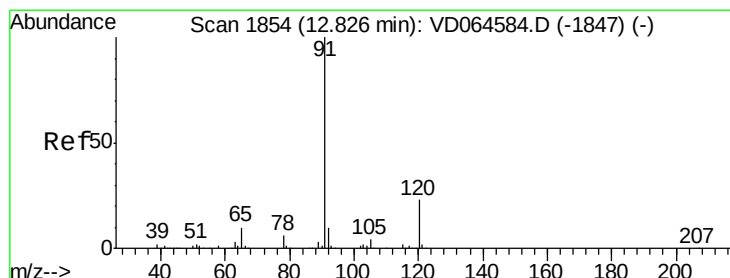
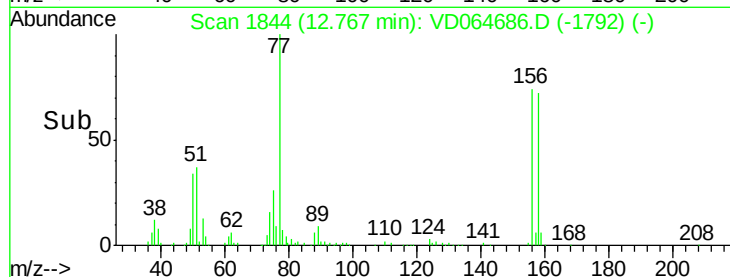
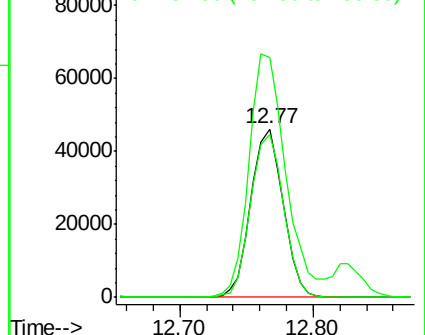
158 98.4 48.0 144.2



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: 20.382 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064686.D

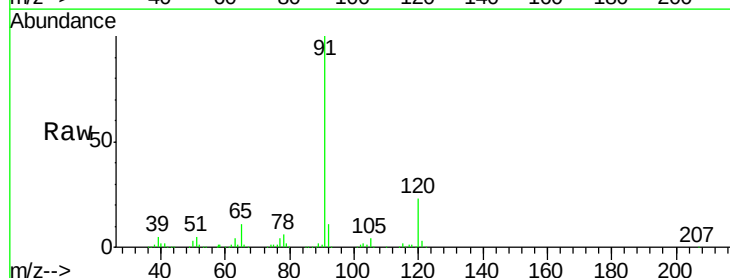
Acq: 31 Dec 2019 10:58

Tgt Ion: 91 Resp: 375232

Ion Ratio Lower Upper

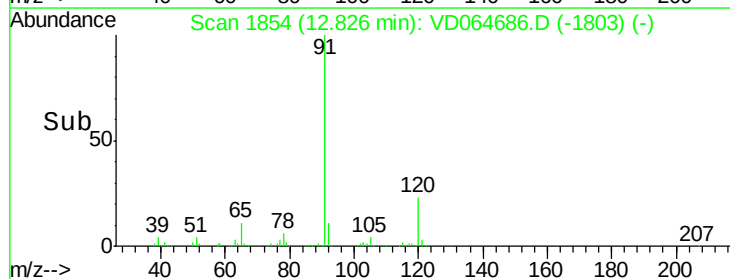
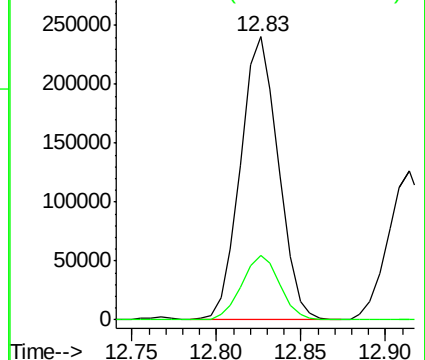
91 100

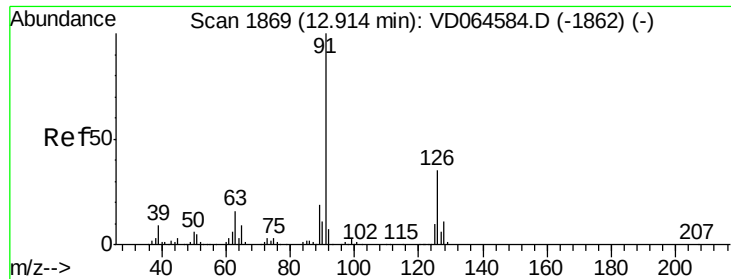
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.516 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

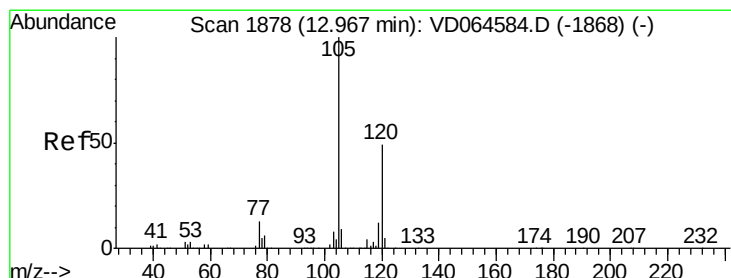
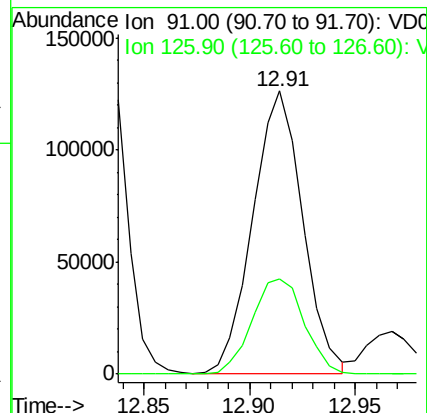
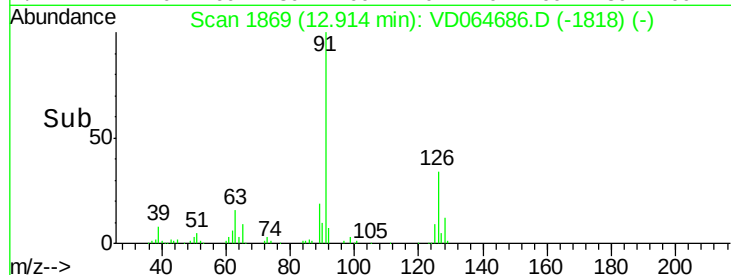
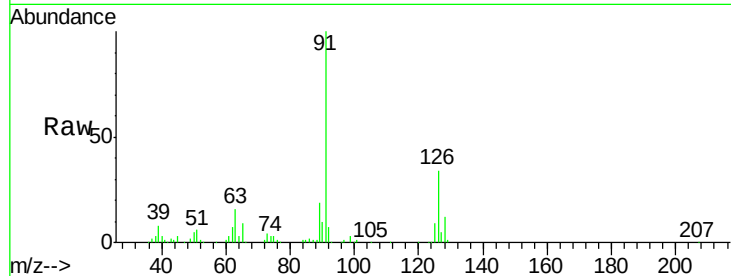
VD1231SBS01

Tgt Ion: 91 Resp: 207483

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 20.762 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064686.D

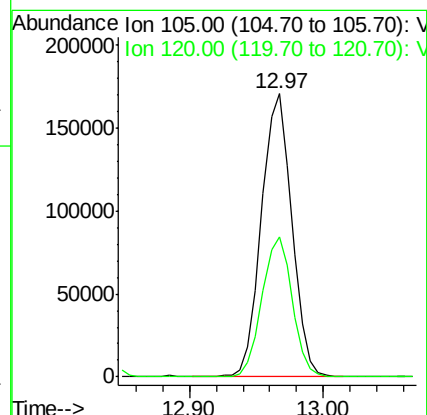
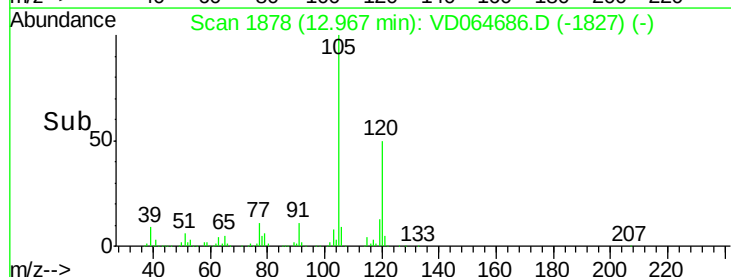
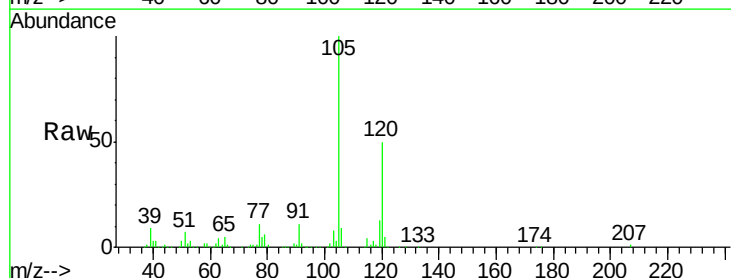
Acq: 31 Dec 2019 10:58

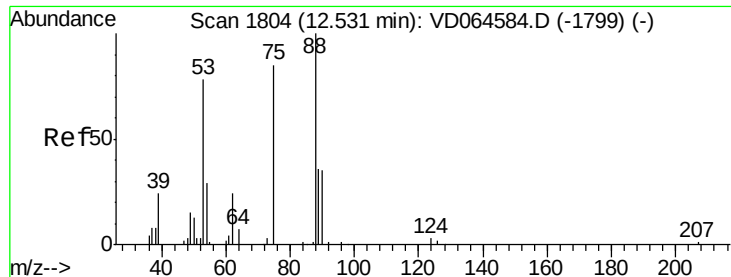
Tgt Ion: 105 Resp: 269144

Ion Ratio Lower Upper

105 100

120 49.4 25.0 75.0

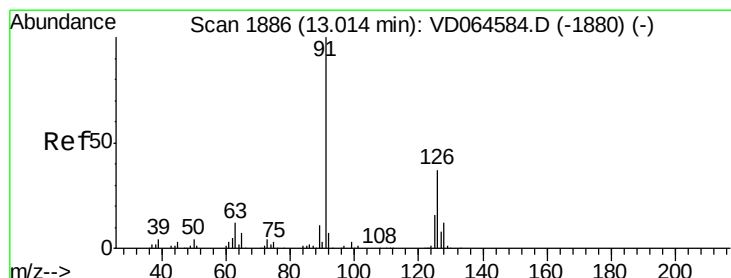
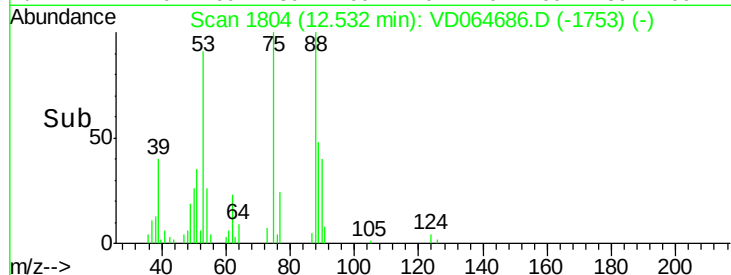
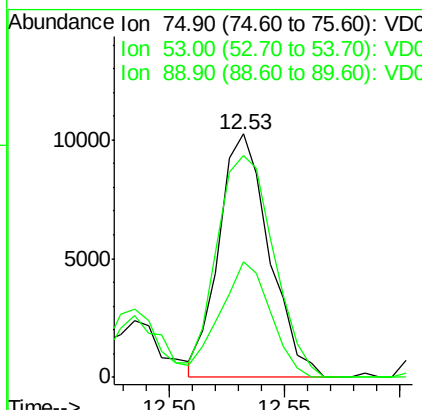
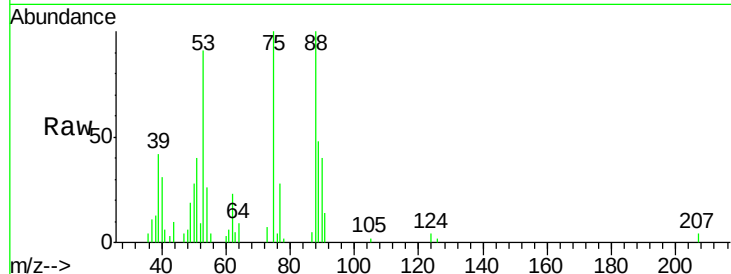




#81
trans-1,4-Dichloro-2-butene
Concen: 18.672 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

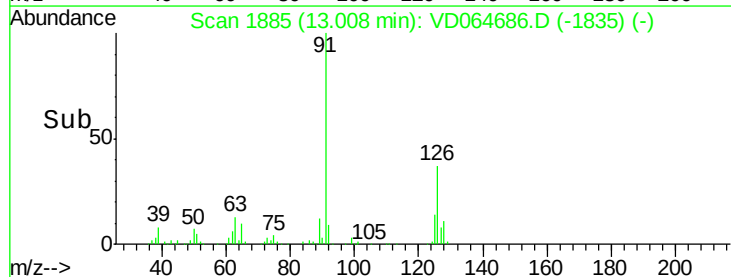
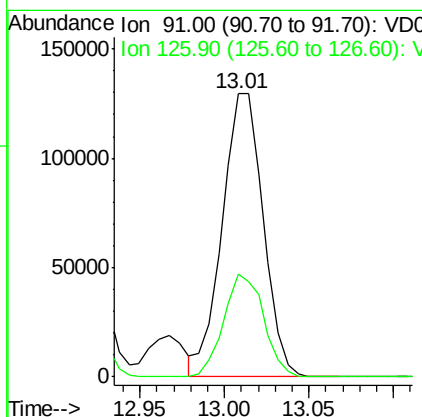
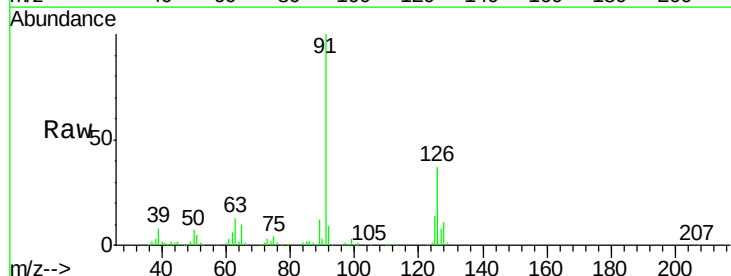
Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

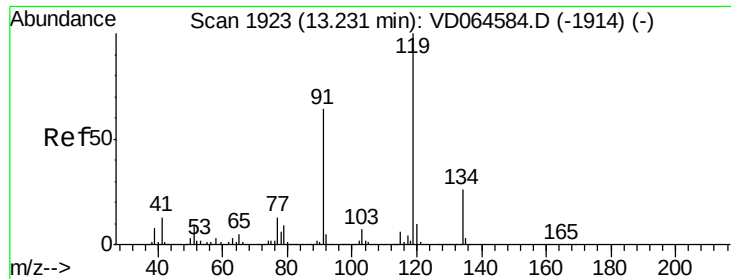
Tgt Ion: 75 Resp: 15568
Ion Ratio Lower Upper
75 100
53 102.5 78.8 118.2
89 47.4 38.3 57.5



#82
4-Chlorotoluene
Concen: 20.340 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 91 Resp: 218910
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.5

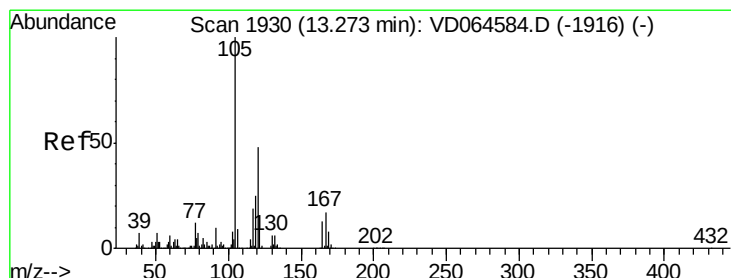
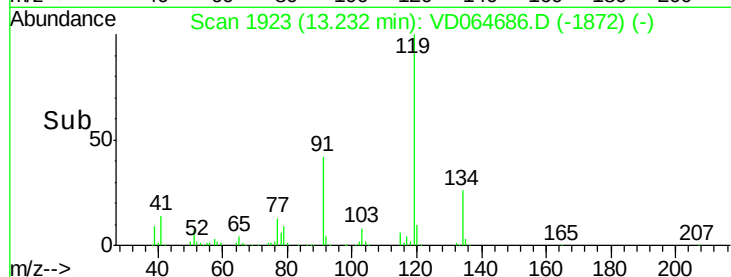
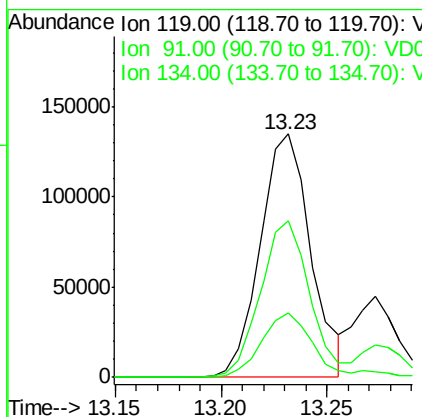
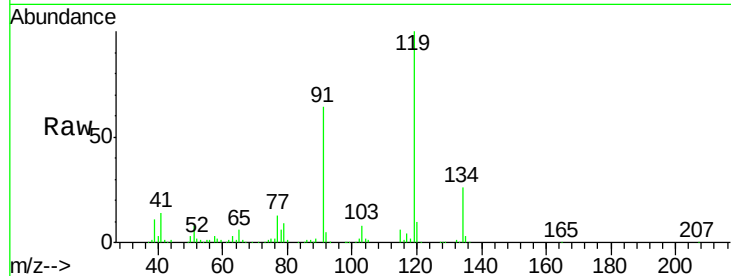




#83
 tert-Butylbenzene
 Concen: 19.938 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

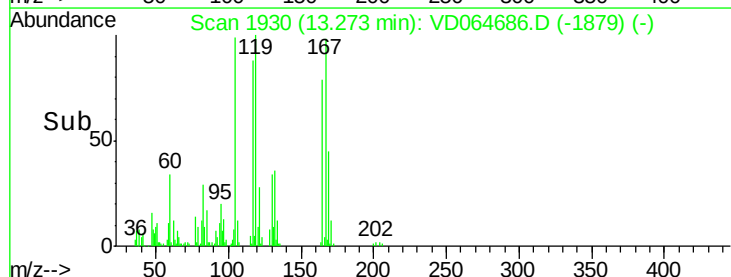
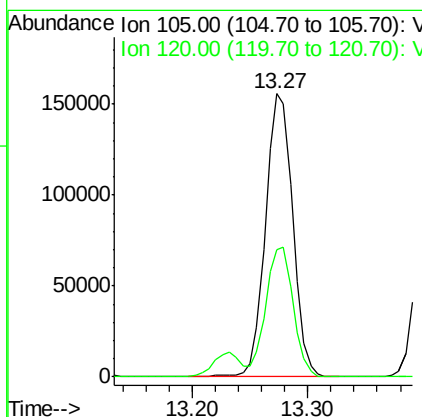
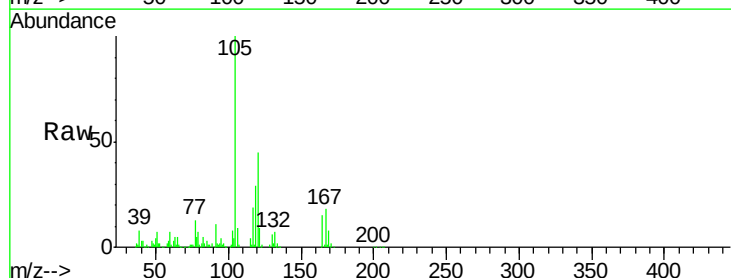
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

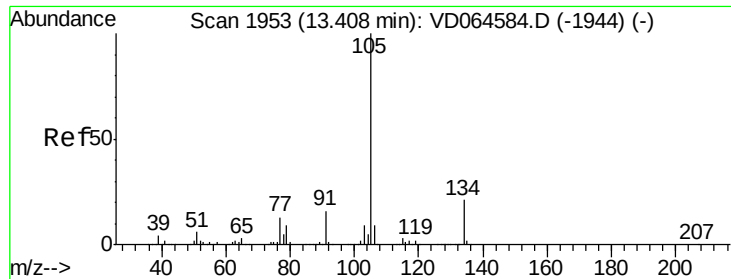
Tgt Ion:119 Resp: 224408
 Ion Ratio Lower Upper
 119 100
 91 63.5 30.8 92.4
 134 26.1 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 19.899 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion:105 Resp: 256908
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.8 71.2





#85

sec-Butylbenzene

Concen: 19.944 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

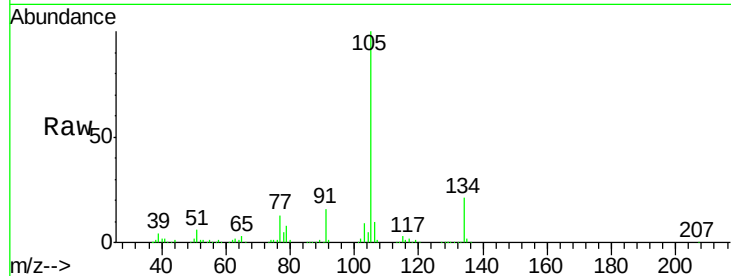
VD1231SBS01

Tgt Ion:105 Resp: 307746

Ion Ratio Lower Upper

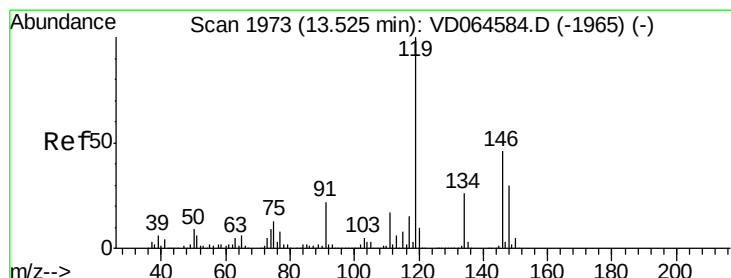
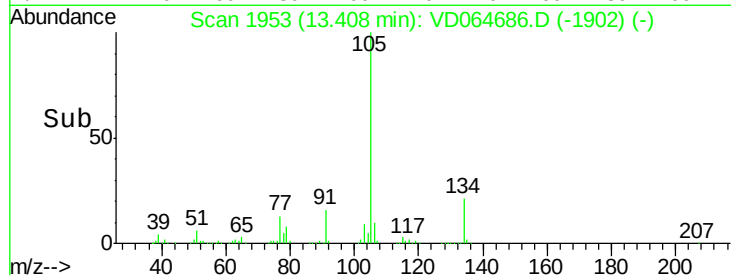
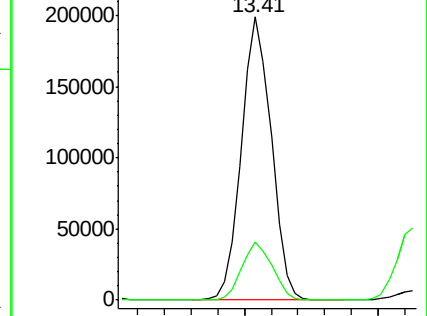
105 100

134 21.1 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.382 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

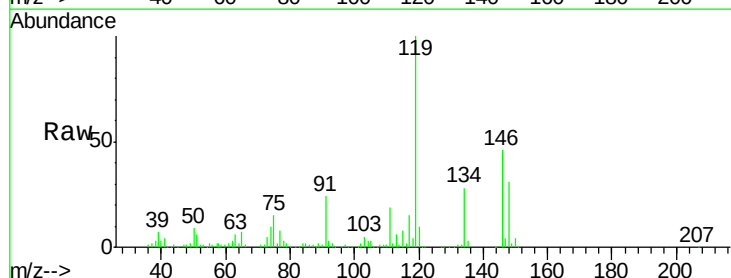
Tgt Ion:119 Resp: 285969

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

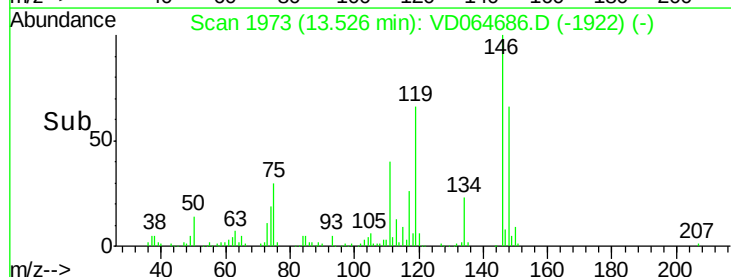
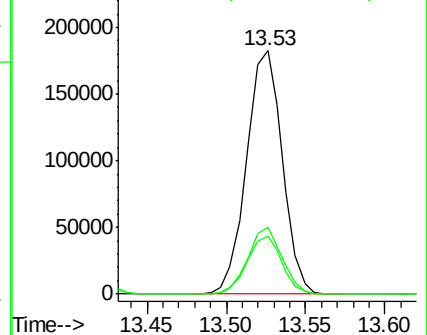
91 23.5 11.2 33.6

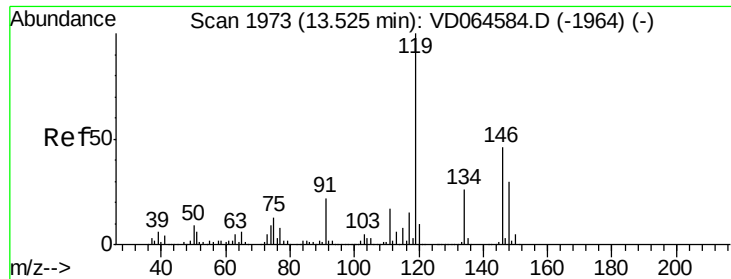


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.416 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

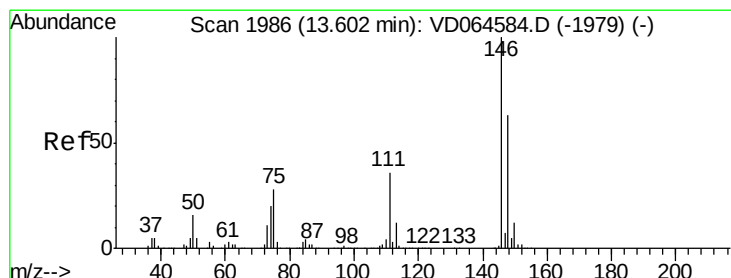
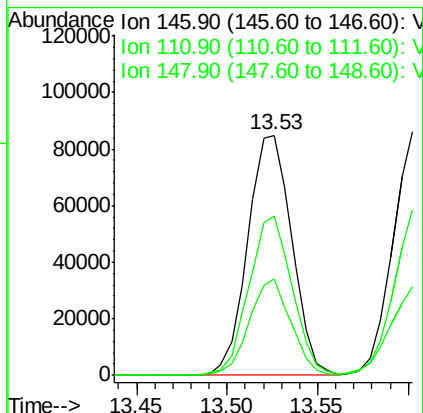
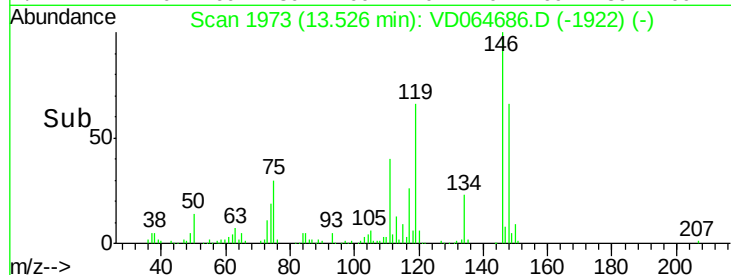
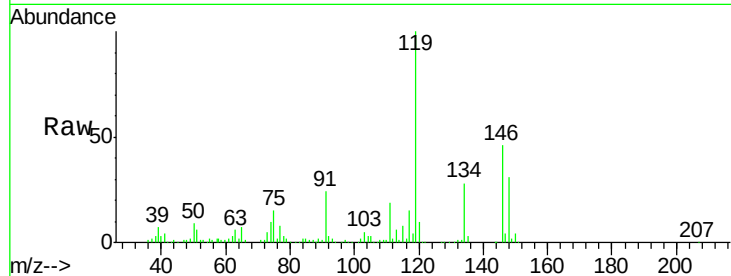
Tgt Ion:146 Resp: 143518

Ion Ratio Lower Upper

146 100

111 37.9 18.8 56.4

148 65.1 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 19.533 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

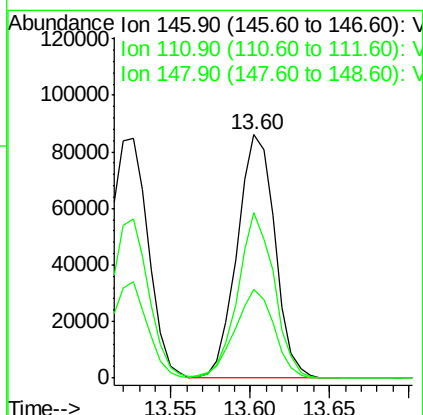
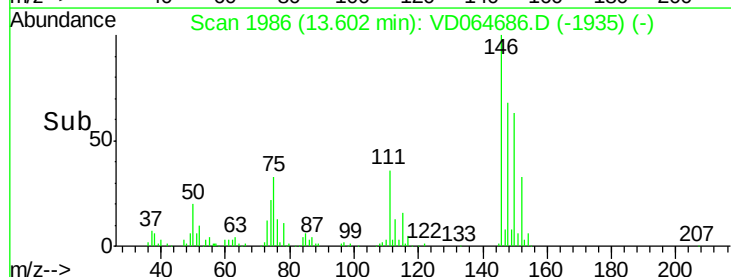
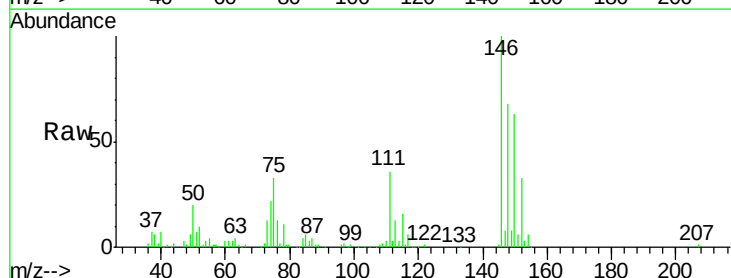
Tgt Ion:146 Resp: 141837

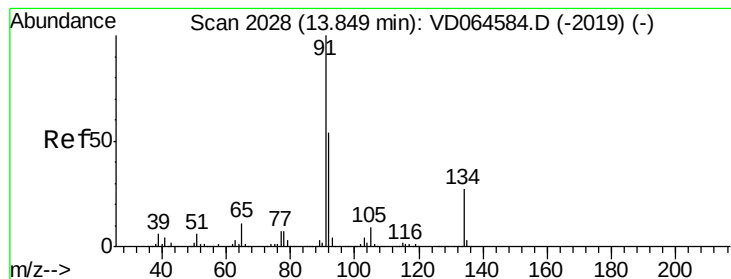
Ion Ratio Lower Upper

146 100

111 38.1 18.1 54.1

148 65.6 32.3 96.9





#89

n-Butylbenzene

Concen: 19.716 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

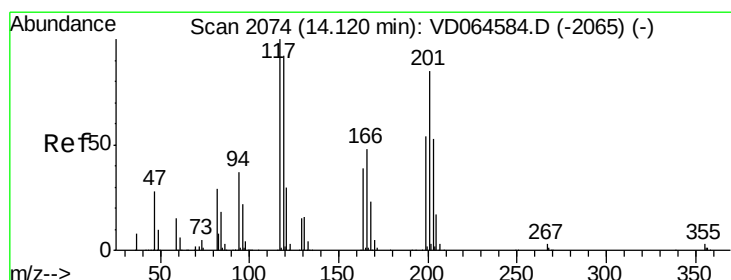
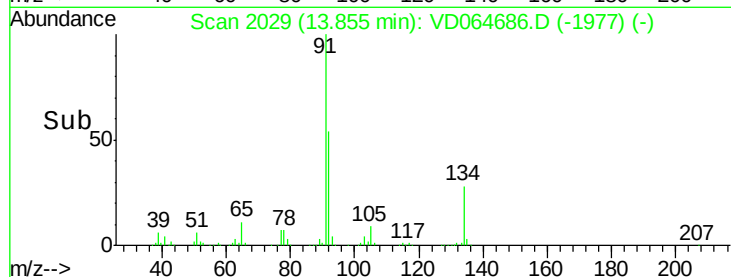
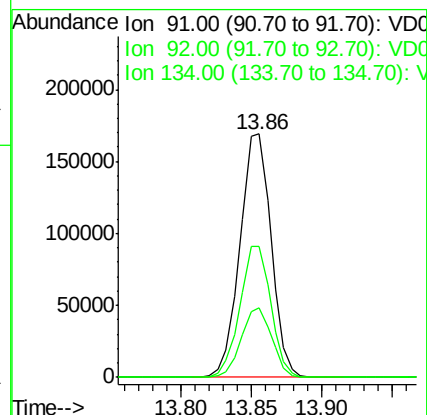
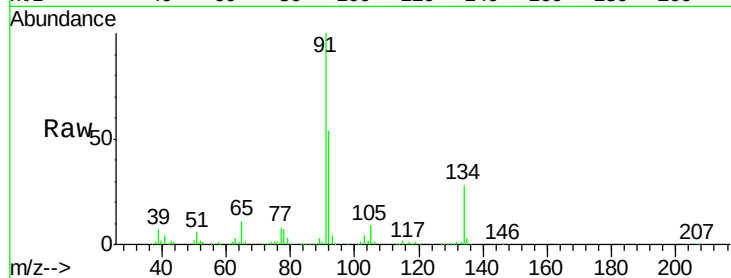
Tgt Ion: 91 Resp: 261956

Ion Ratio Lower Upper

91 100

92 53.5 26.8 80.4

134 28.0 14.0 41.9



#90

Hexachloroethane

Concen: 20.024 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064686.D

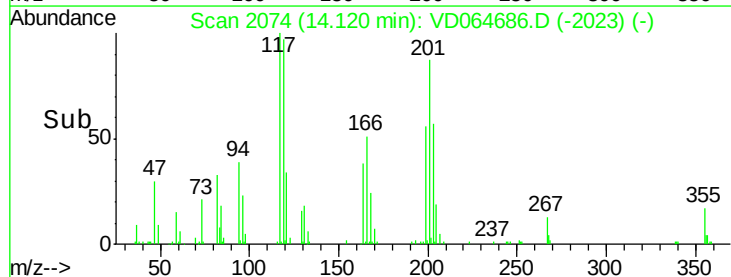
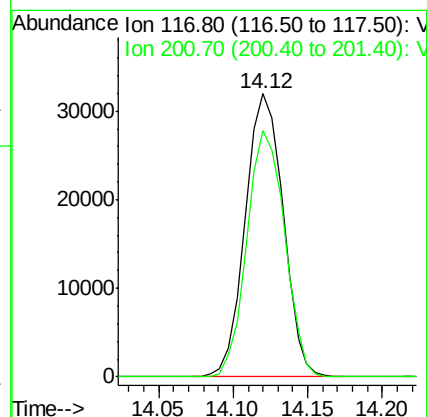
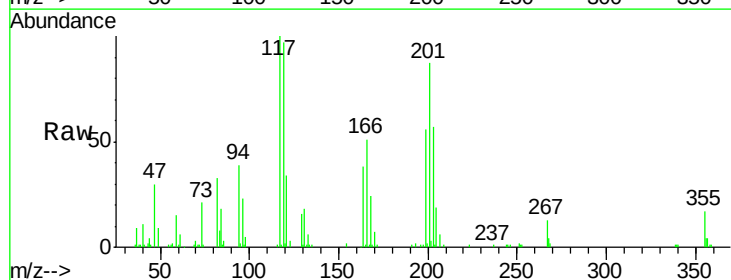
Acq: 31 Dec 2019 10:58

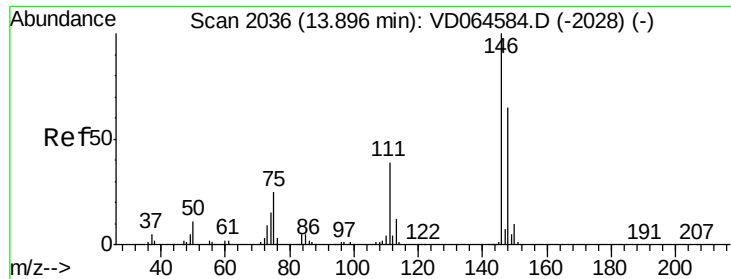
Tgt Ion: 117 Resp: 56436

Ion Ratio Lower Upper

117 100

201 86.0 44.0 131.8

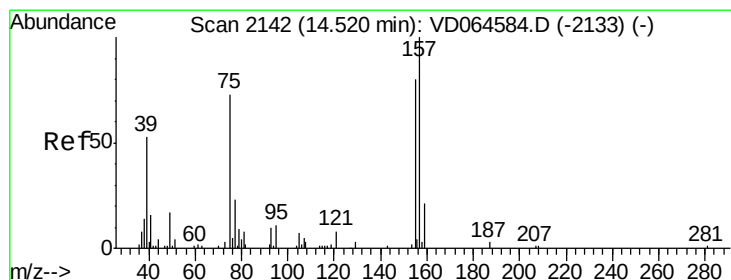
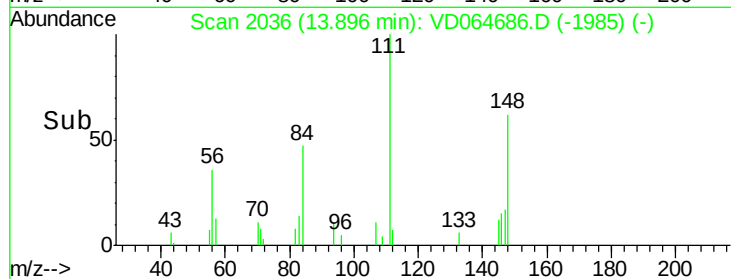
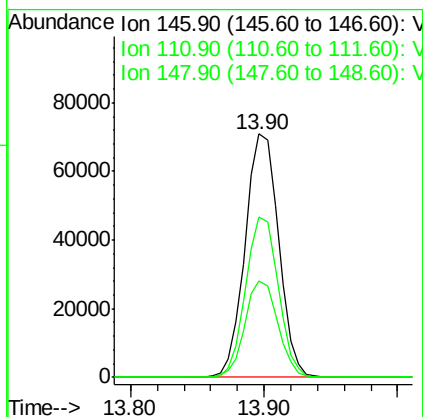
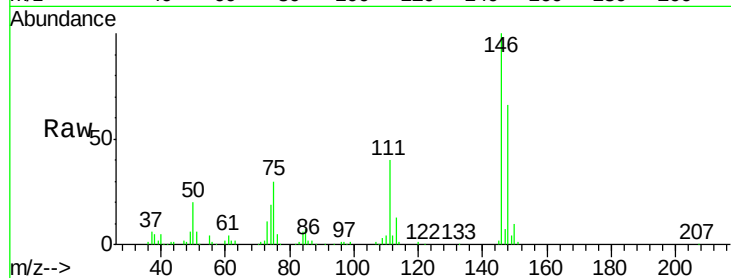




#91
 1,2-Dichlorobenzene
 Concen: 19.476 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

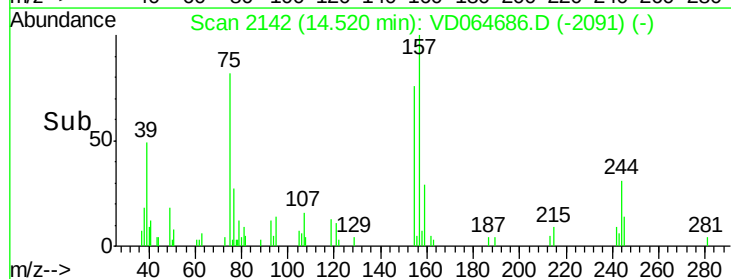
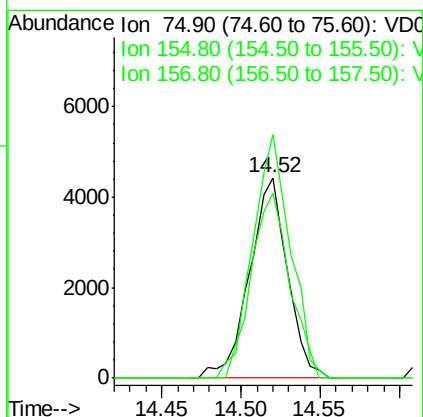
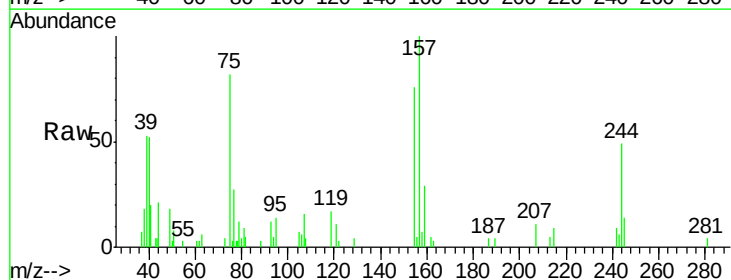
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

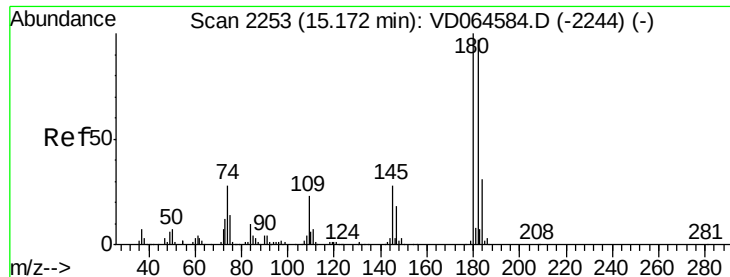
Tgt Ion: 146 Resp: 122761
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.3 57.9
 148 64.2 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.406 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 75 Resp: 7397
 Ion Ratio Lower Upper
 75 100
 155 93.2 48.0 144.0
 157 120.4 64.1 192.3

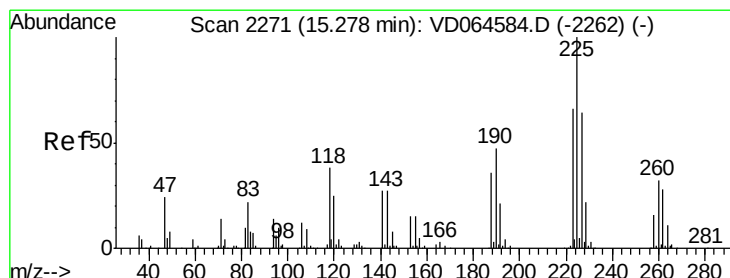
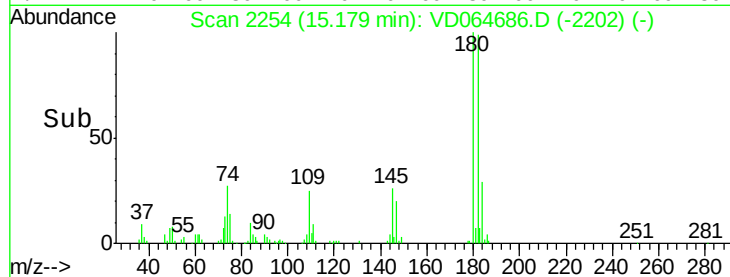
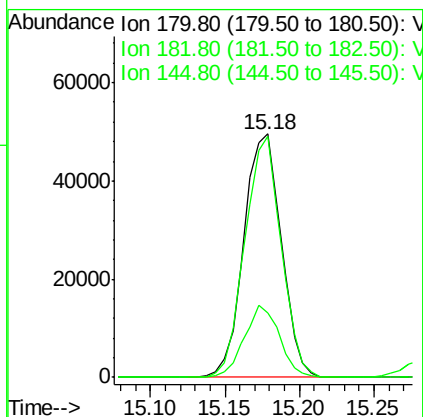
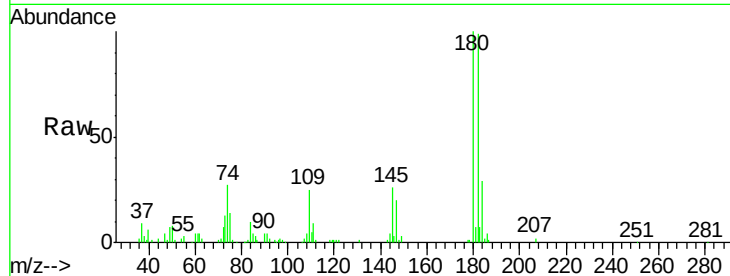




#93
 1,2,4-Trichlorobenzene
 Concen: 18.501 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

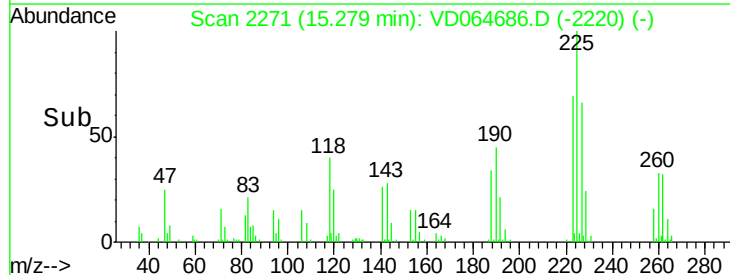
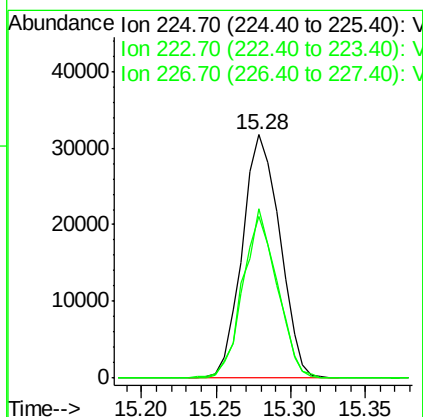
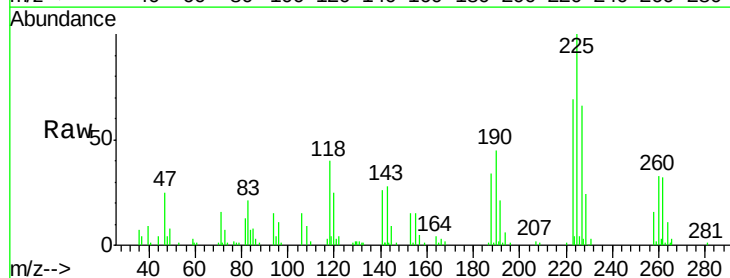
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

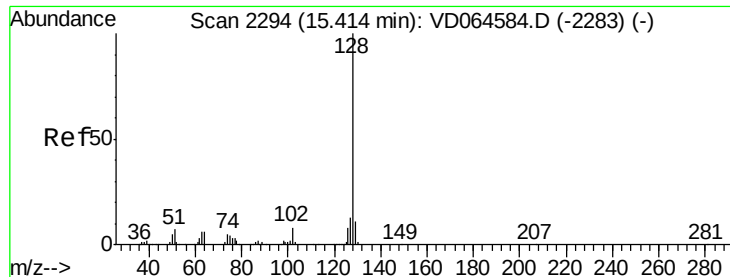
Tgt Ion:180 Resp: 85866
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.0 144.2
 145 27.7 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.954 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion:225 Resp: 55356
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 62.4 30.9 92.7

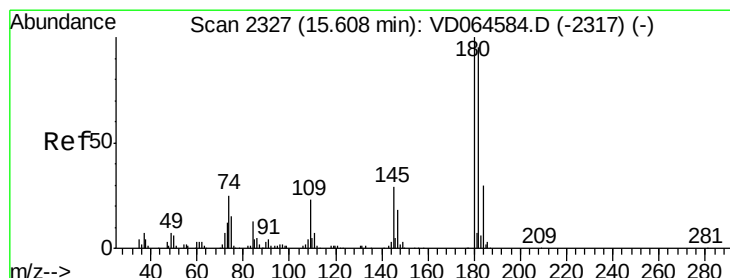
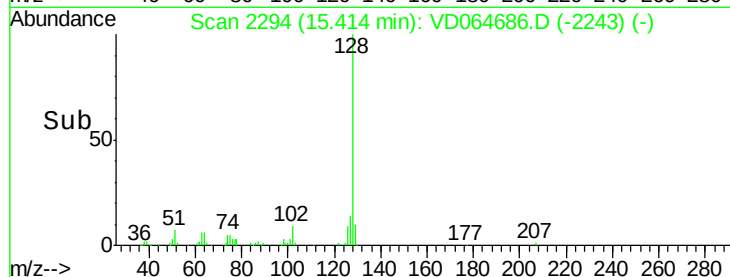
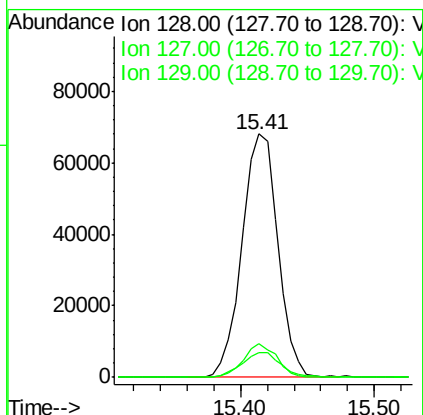
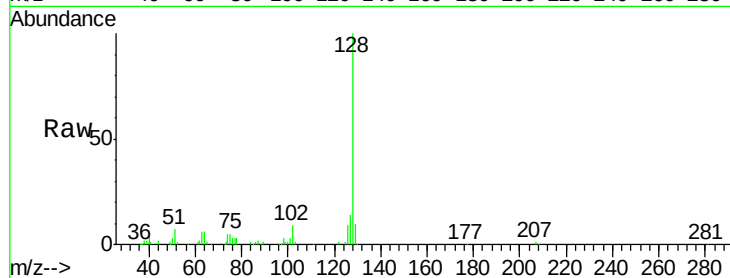




#95
Naphthalene
Concen: 17.192 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tgt Ion:128 Resp: 126224
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.240 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion:180 Resp: 72268
Ion Ratio Lower Upper
180 100
182 97.1 47.9 143.7
145 29.3 14.9 44.7

