

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064660.D
 Acq On : 28 Dec 2019 00:21
 Operator : VA/SY
 Sample : VD1227SBSD02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

Quant Time: Dec 30 01:03:04 2019
 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	370916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	569515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257421	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	188459	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
35) Dibromofluoromethane	7.92	113	186054	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.34	98	703822	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.64	95	227878	53.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	57030	19.784	ug/l	98
3) Chloromethane	2.21	50	89012	22.080	ug/l	94
4) Vinyl Chloride	2.35	62	102004	20.752	ug/l	96
5) Bromomethane	2.76	94	80527	22.531	ug/l	97
6) Chloroethane	2.92	64	72688	22.069	ug/l	97
7) Trichlorofluoromethane	3.27	101	172861	20.886	ug/l	100
8) Diethyl Ether	3.71	74	38617	23.496	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	68137	19.879	ug/l	100
10) Methyl Iodide	4.30	142	75435	20.489	ug/l	99
11) Tert butyl alcohol	5.26	59	21723	115.890	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	68212	20.903	ug/l	92
13) Acrolein	3.92	56	25765	98.629	ug/l	92
14) Allyl chloride	4.71	41	110114	21.643	ug/l	99
15) Acrylonitrile	5.44	53	78600	114.815	ug/l	97
16) Acetone	4.16	43	68931	95.673	ug/l	92
17) Carbon Disulfide	4.40	76	216899	20.556	ug/l	99
18) Methyl Acetate	4.73	43	45940	24.949	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	165843	22.881	ug/l	99
20) Methylene Chloride	4.96	84	88620	23.946	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	82011	22.068	ug/l	97
22) Diisopropyl ether	6.37	45	235561	23.212	ug/l	99
23) Vinyl Acetate	6.31	43	635819	110.450	ug/l	99
24) 1,1-Dichloroethane	6.26	63	137183	22.518	ug/l	98
25) 2-Butanone	7.23	43	98978	110.094	ug/l	95
26) 2,2-Dichloropropane	7.21	77	106909	18.874	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	90080	22.459	ug/l	98
28) Bromochloromethane	7.55	49	49196	20.773	ug/l	98
29) Tetrahydrofuran	7.57	42	62734	112.208	ug/l	99
30) Chloroform	7.71	83	148151	23.178	ug/l	99
31) Cyclohexane	7.98	56	118998	19.513	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	128086	21.335	ug/l	99
36) 1,1-Dichloropropene	8.11	75	108433	19.781	ug/l	99
37) Ethyl Acetate	7.30	43	46786	21.726	ug/l	97
38) Carbon Tetrachloride	8.10	117	115365	19.737	ug/l	93

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	121751	18.338	ug/l	97
40) Benzene	8.36	78	310401	20.743	ug/l	100
41) Methacrylonitrile	7.54	41	26084	20.877	ug/l	90
42) 1,2-Dichloroethane	8.43	62	93571	21.639	ug/l	99
43) Isopropyl Acetate	8.46	43	91149	21.265	ug/l	100
44) Trichloroethene	9.11	130	90598	20.609	ug/l	95
45) 1,2-Dichloropropane	9.39	63	78145	21.872	ug/l	99
46) Dibromomethane	9.48	93	43647	21.911	ug/l	98
47) Bromodichloromethane	9.66	83	114046	21.516	ug/l	98
48) Methyl methacrylate	9.46	41	43476	21.542	ug/l	94
49) 1,4-Dioxane	9.46	88	10006	435.629	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	230650	108.869	ug/l	99
52) Toluene	10.40	92	204257	20.805	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	103769	20.998	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	125378	21.516	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	60202	22.425	ug/l	97
56) Ethyl methacrylate	10.66	69	71018	21.182	ug/l	100
57) 1,3-Dichloropropane	10.95	76	100135	21.664	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	138213	108.204	ug/l	100
59) 2-Hexanone	10.99	43	151635	105.453	ug/l	100
60) Dibromochloromethane	11.14	129	78918	21.258	ug/l	96
61) 1,2-Dibromoethane	11.25	107	54871	20.723	ug/l	96
64) Tetrachloroethene	10.88	164	78912	20.261	ug/l	97
65) Chlorobenzene	11.67	112	219455	20.828	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85493	21.523	ug/l	97
67) Ethyl Benzene	11.75	91	381573	19.952	ug/l	100
68) m/p-Xylenes	11.86	106	297174	40.258	ug/l	100
69) o-Xylene	12.18	106	135893	20.381	ug/l	100
70) Styrene	12.20	104	245582	20.984	ug/l	98
71) Bromoform	12.36	173	48557	21.436	ug/l #	94
73) Isopropylbenzene	12.48	105	362038	19.680	ug/l	98
74) N-amyl acetate	12.29	43	77320	19.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	61443	21.262	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	80497	39.600	ug/l #	100
77) Bromobenzene	12.77	156	92578	20.481	ug/l	98
78) n-propylbenzene	12.83	91	421856	19.657	ug/l	100
79) 2-Chlorotoluene	12.91	91	238766	20.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	300851	19.909	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19996	20.574	ug/l	95
82) 4-Chlorotoluene	13.01	91	254132	20.256	ug/l	98
83) tert-Butylbenzene	13.23	119	255474	19.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	300526	19.969	ug/l	97
85) sec-Butylbenzene	13.41	105	345286	19.196	ug/l	99
86) p-Isopropyltoluene	13.53	119	332576	19.337	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	176682	20.504	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	168407	19.895	ug/l	96
89) n-Butylbenzene	13.85	91	295305	19.066	ug/l	100
90) Hexachloroethane	14.12	117	65952	20.074	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	151256	20.586	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10288	21.961	ug/l	94

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

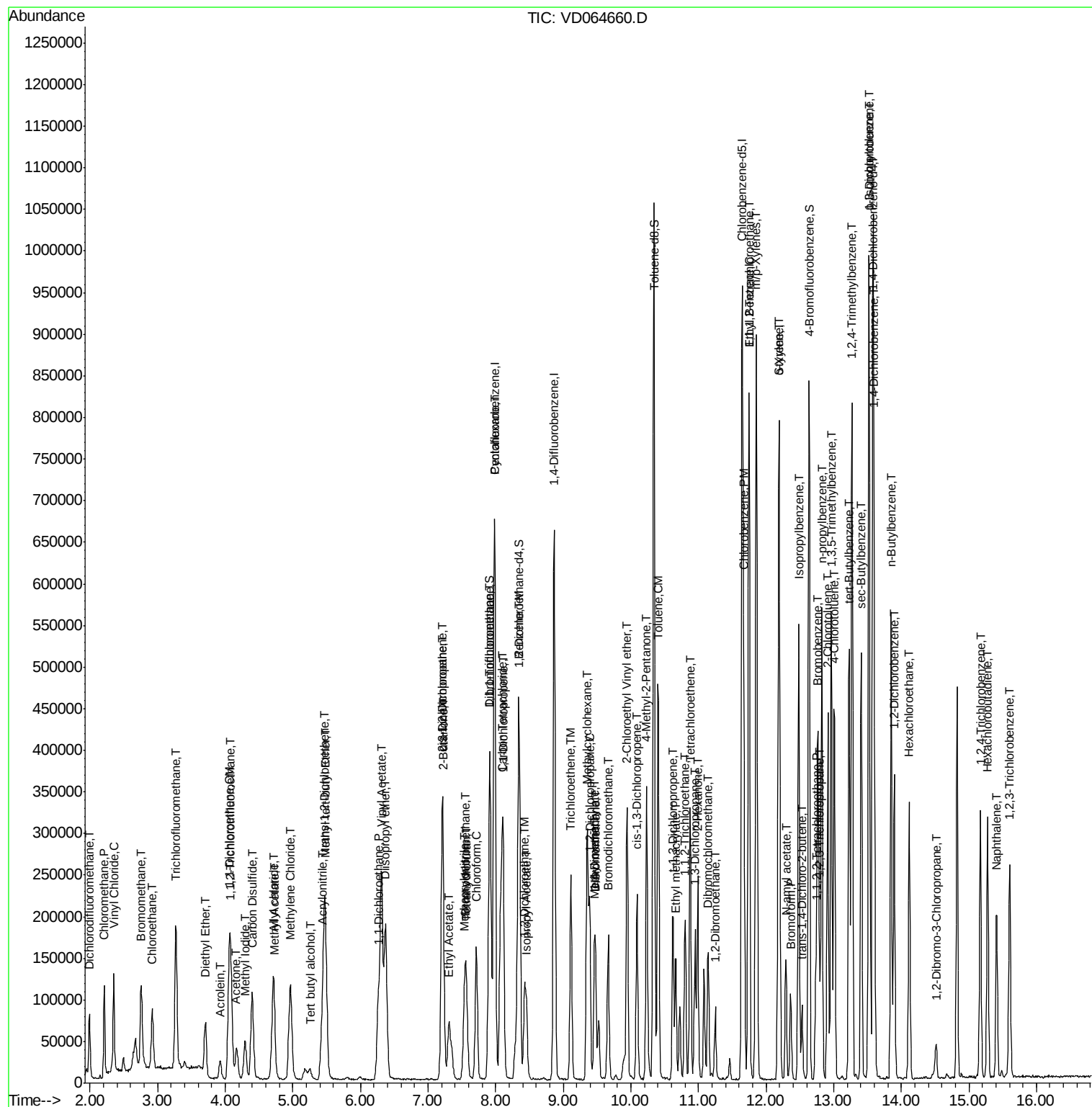
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106283	19.645	ug/l	98
94) Hexachlorobutadiene	15.28	225	63005	18.507	ug/l	96
95) Naphthalene	15.41	128	174891	20.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	94682	20.500	ug/l	98

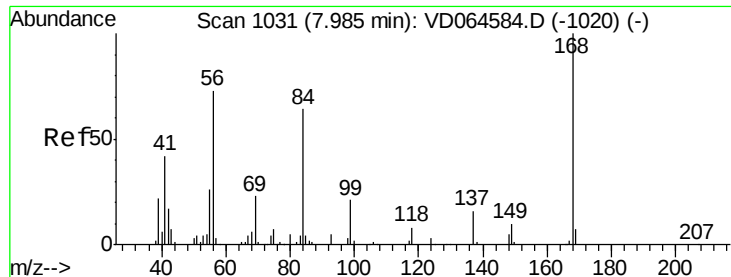
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VD064660.D
 Acq On : 28 Dec 2019 00:21
 Operator : VA/SY
 Sample : VD1227SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

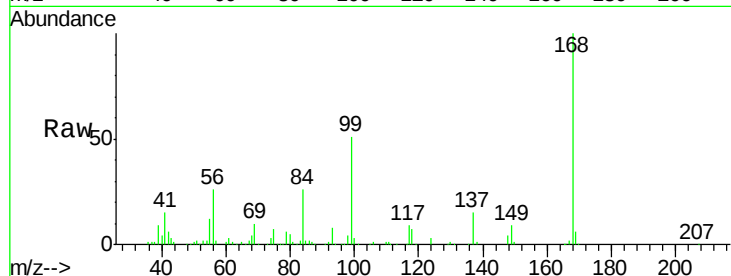
VD1227SBS02

Tgt Ion:168 Resp: 370916

Ion Ratio Lower Upper

168 100

99 50.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

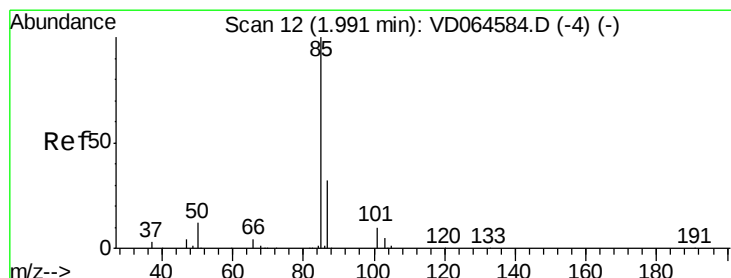
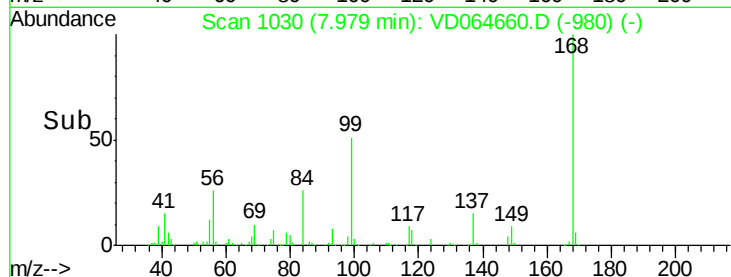
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.784 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064660.D

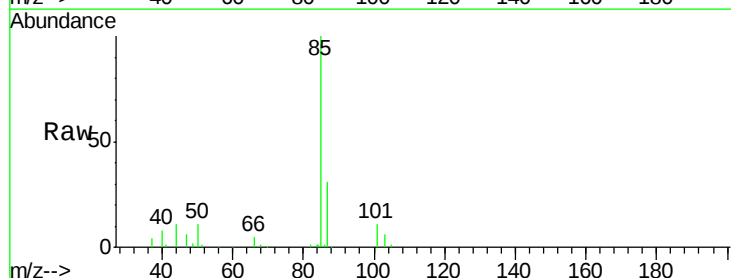
Acq: 28 Dec 2019 00:21

Tgt Ion: 85 Resp: 57030

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

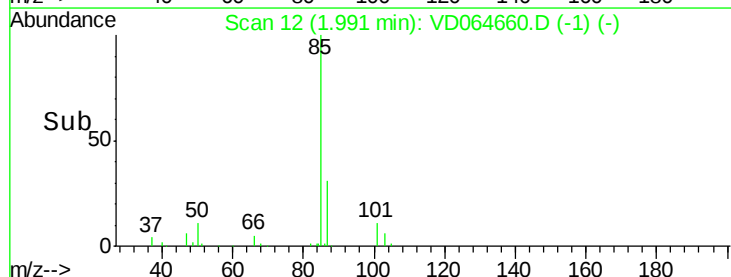
20000

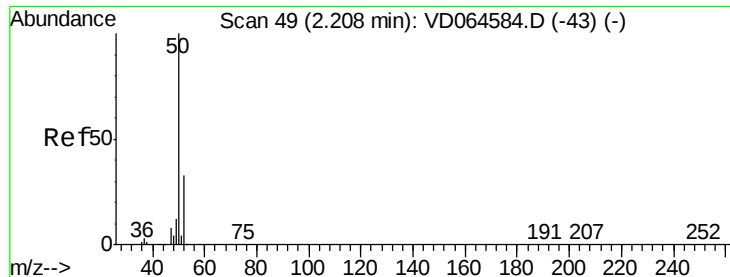
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 22.080 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

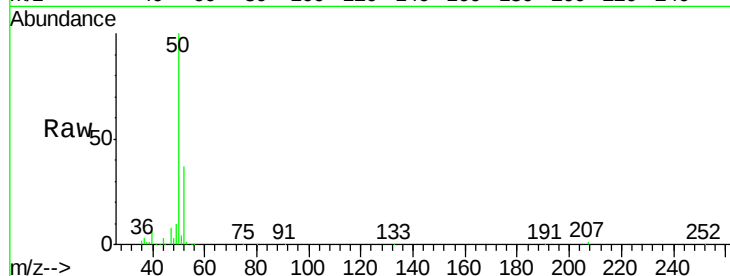
VD1227SBSD02

Tgt Ion: 50 Resp: 89012

Ion Ratio Lower Upper

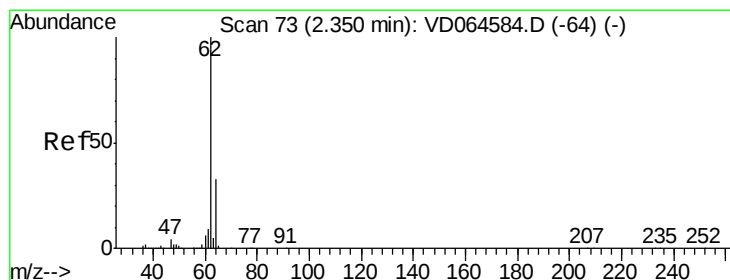
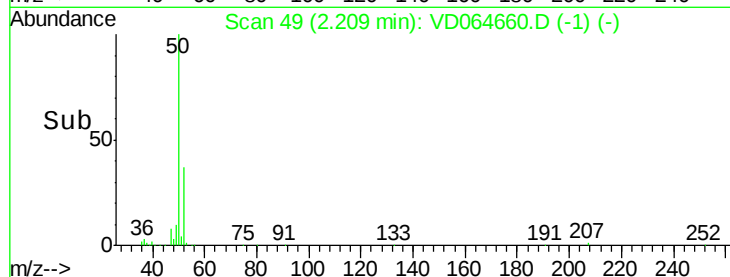
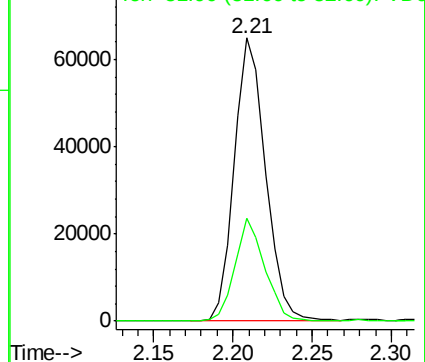
50 100

52 36.6 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: 20.752 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064660.D

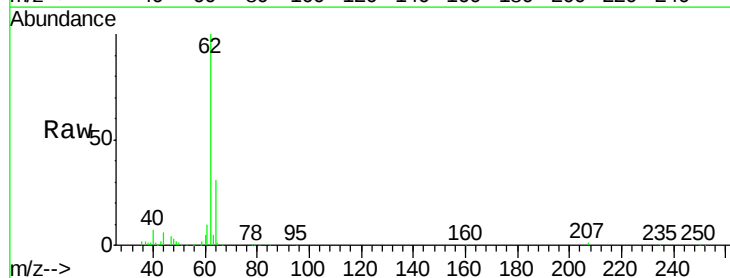
Acq: 28 Dec 2019 00:21

Tgt Ion: 62 Resp: 102004

Ion Ratio Lower Upper

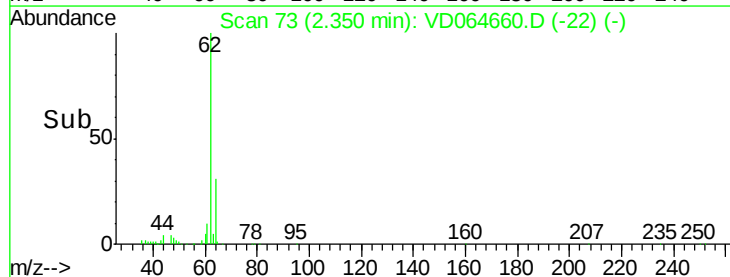
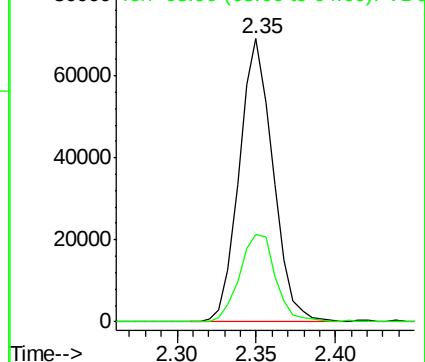
62 100

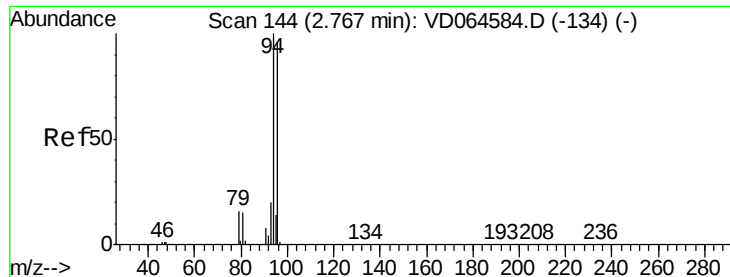
64 31.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.531 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

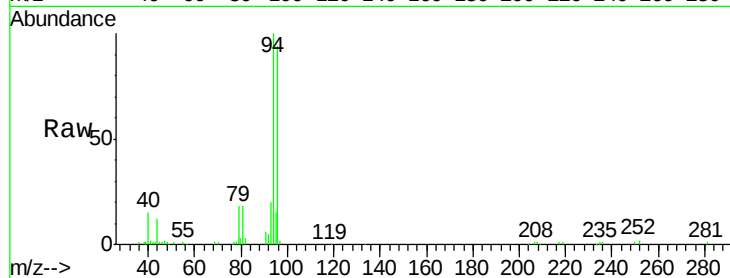
VD1227SBS02

Tgt Ion: 94 Resp: 80527

Ion Ratio Lower Upper

94 100

96 93.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

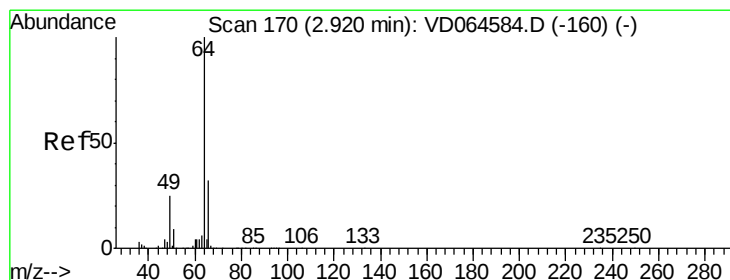
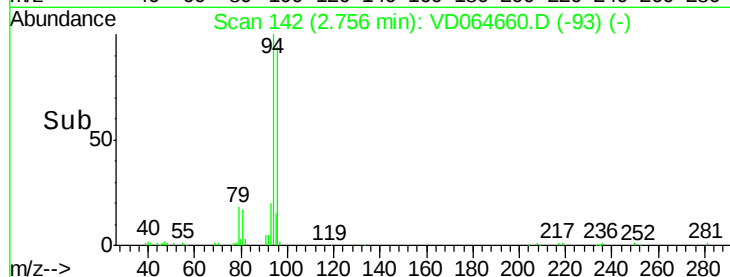
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 22.069 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064660.D

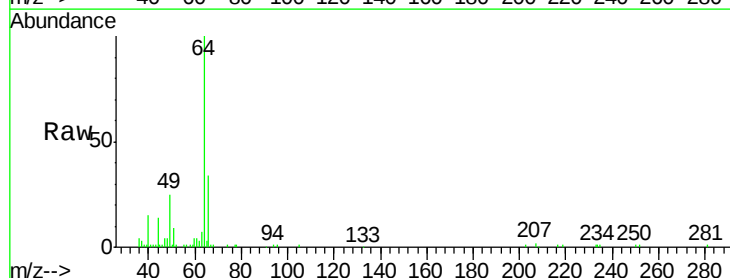
Acq: 28 Dec 2019 00:21

Tgt Ion: 64 Resp: 72688

Ion Ratio Lower Upper

64 100

66 33.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

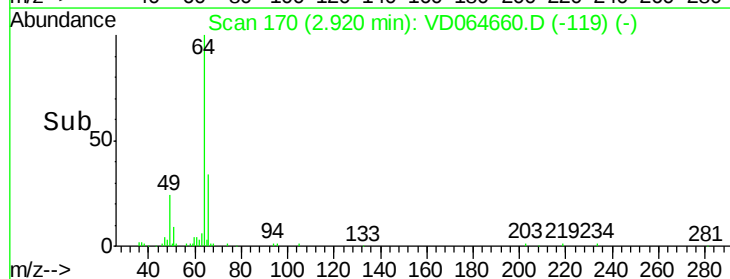
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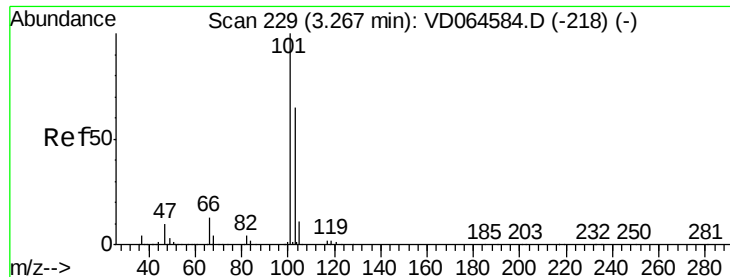
10000

0

Time-->

2.85 2.90 2.95 3.00



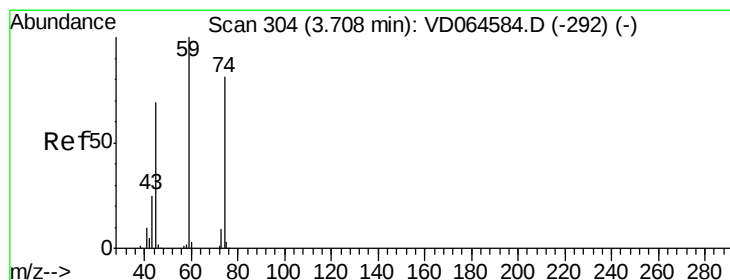
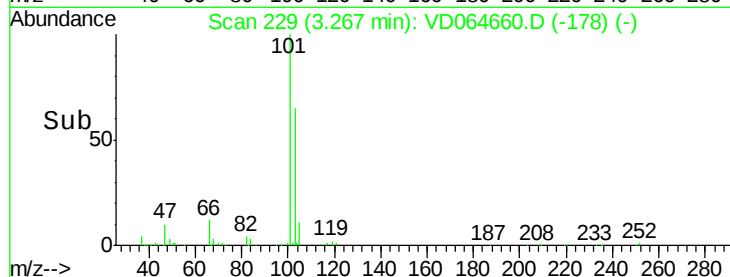
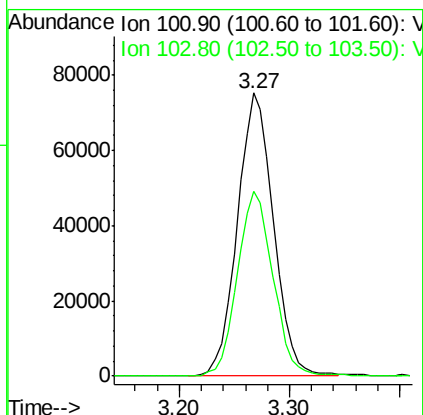
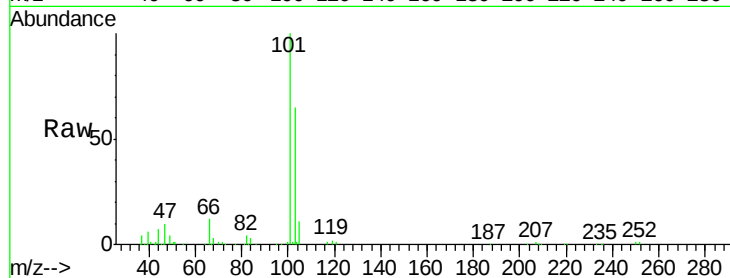


#7

Trichlorofluoromethane
Concen: 20.886 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Instrument :
MSVOA_D
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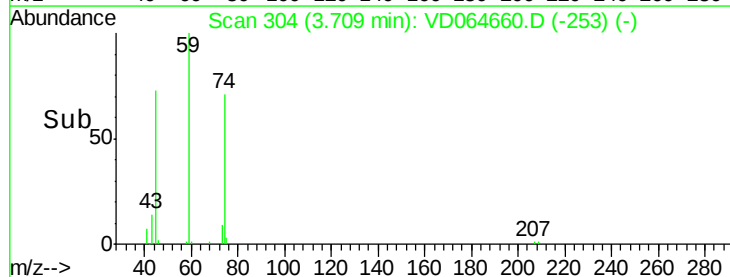
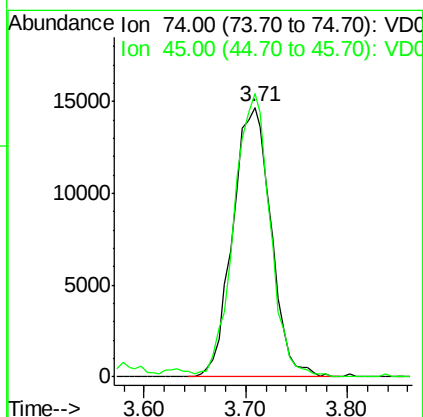
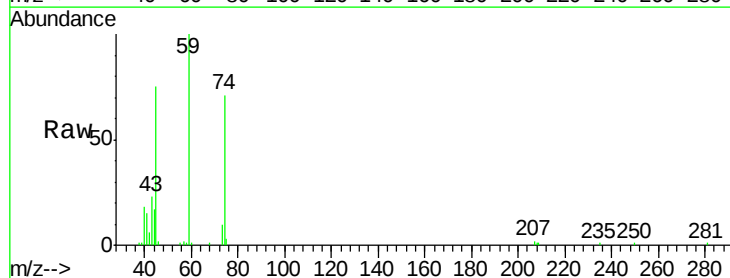
Tgt Ion: 101 Resp: 172861
Ion Ratio Lower Upper
101 100
103 65.1 52.2 78.4

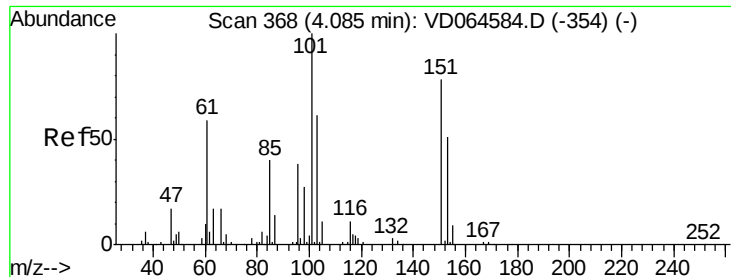


#8

Diethyl Ether
Concen: 23.496 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 74 Resp: 38617
Ion Ratio Lower Upper
74 100
45 99.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.879 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

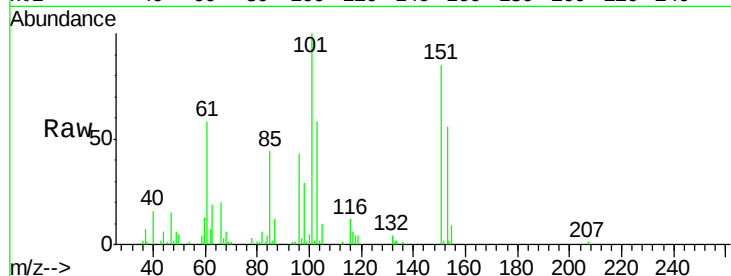
Tgt Ion:101 Resp: 68137

Ion Ratio Lower Upper

101 100

85 43.8 35.2 52.8

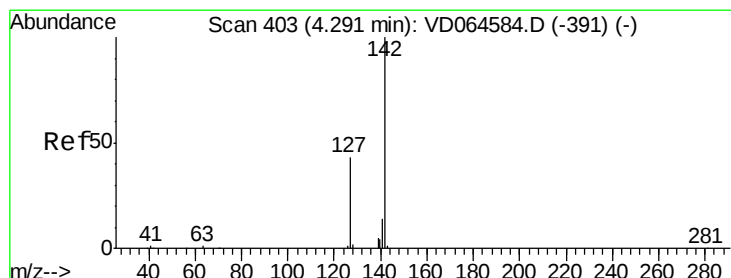
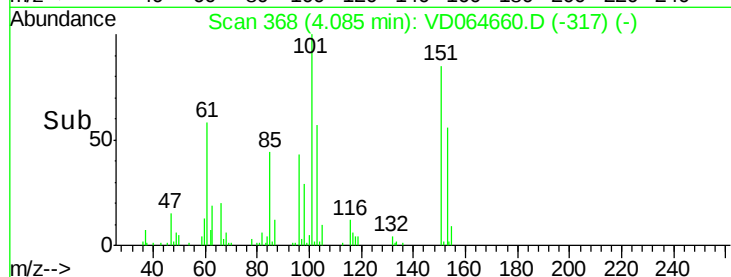
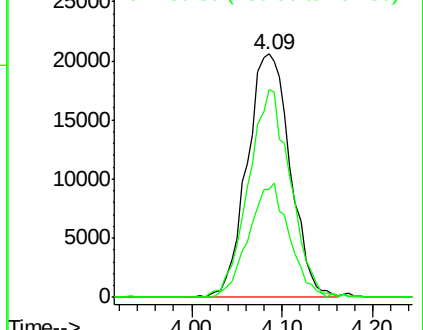
151 83.1 66.2 99.4



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: 20.489 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

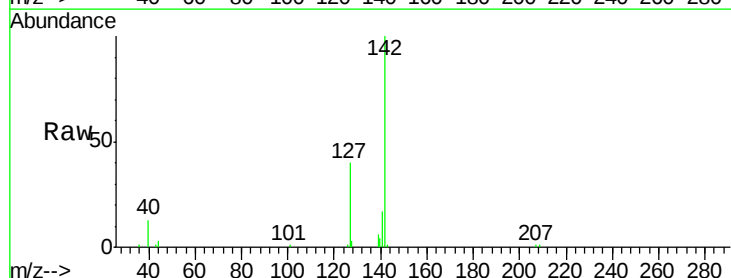
Tgt Ion:142 Resp: 75435

Ion Ratio Lower Upper

142 100

127 45.9 36.2 54.4

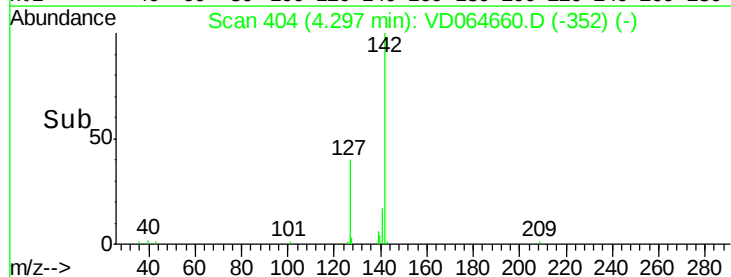
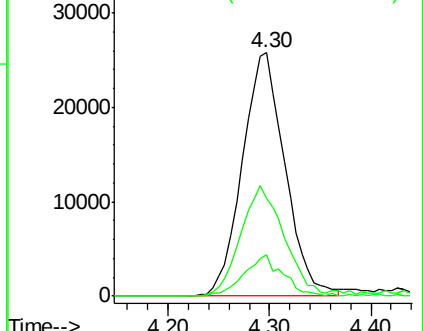
141 15.2 11.8 17.8

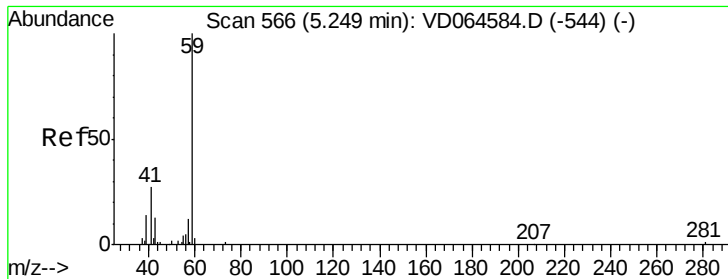


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

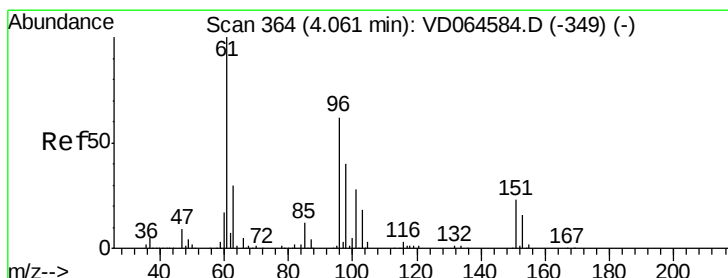
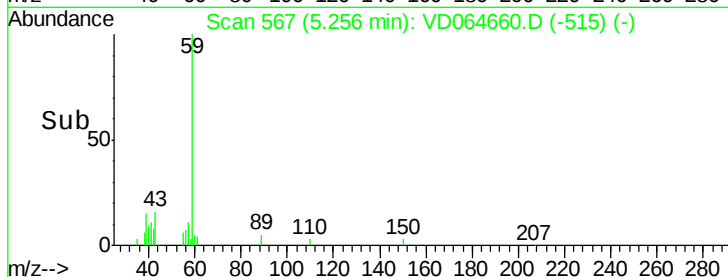
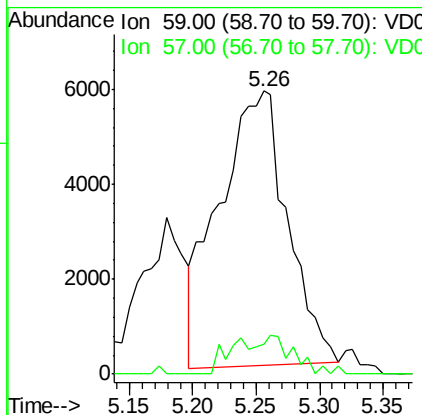
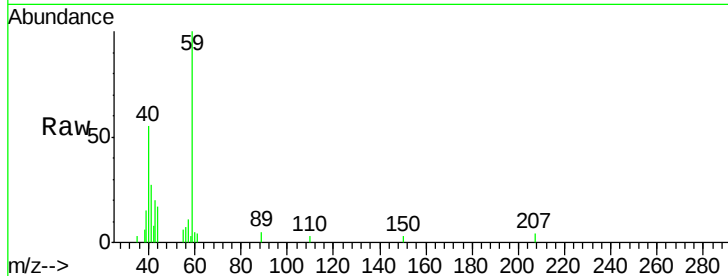




#11
Tert butyl alcohol
Concen: 115.890 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

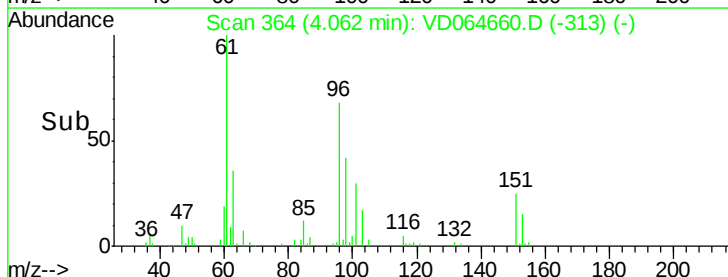
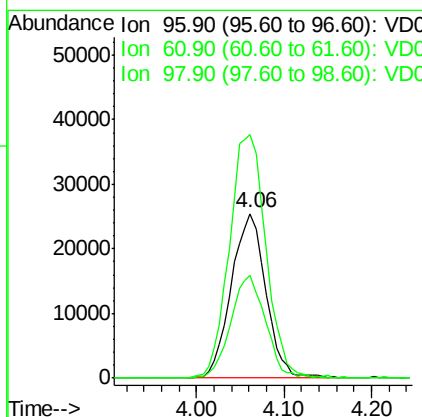
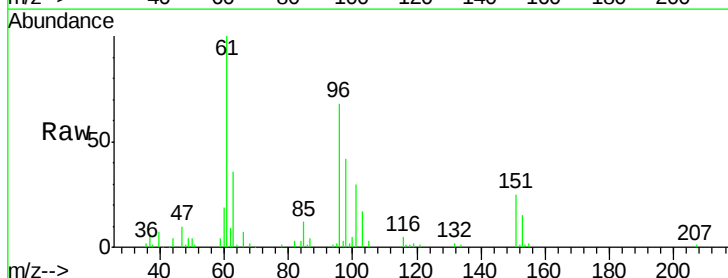
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

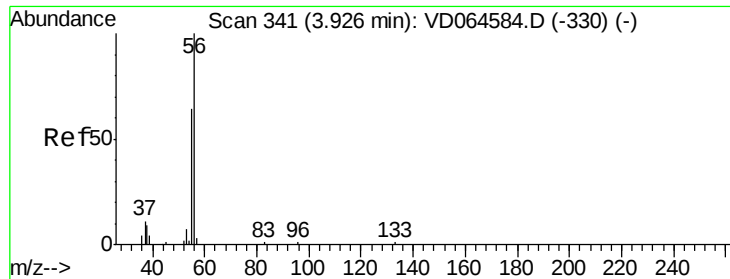
Tgt Ion: 59 Resp: 21723
Ion Ratio Lower Upper
59 100
57 6.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 20.903 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 96 Resp: 68212
Ion Ratio Lower Upper
96 100
61 147.8 129.4 194.0
98 62.7 51.4 77.0





#13

Acrolein

Concen: 98.629 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

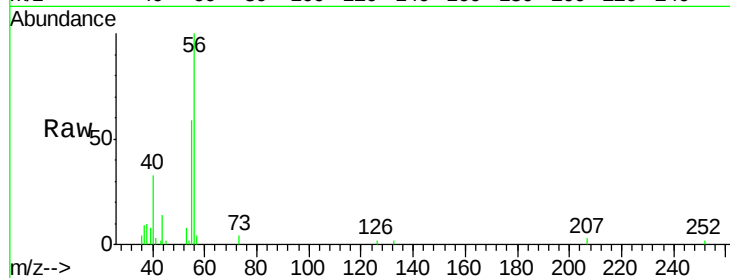
VD1227SBSD02

Tgt Ion: 56 Resp: 25765

Ion Ratio Lower Upper

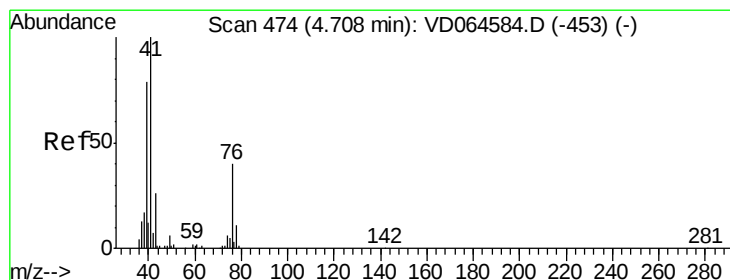
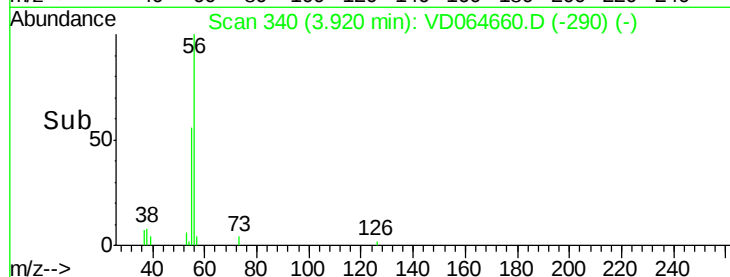
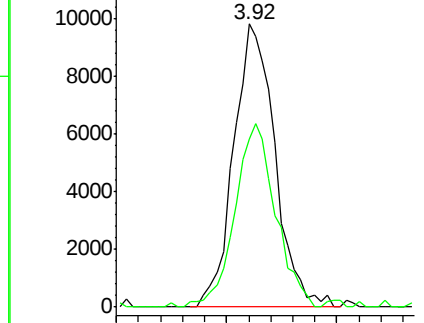
56 100

55 64.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.643 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

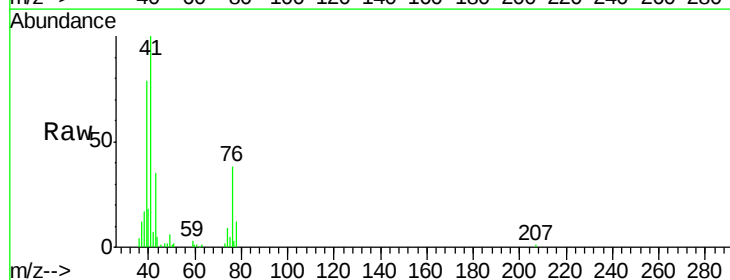
Tgt Ion: 41 Resp: 110114

Ion Ratio Lower Upper

41 100

39 76.2 62.3 93.5

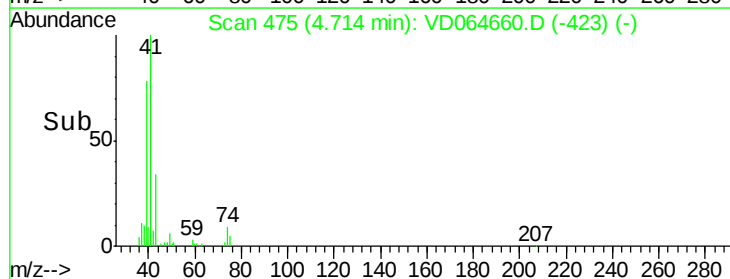
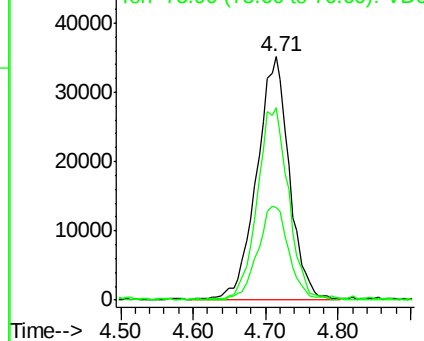
76 37.1 29.7 44.5

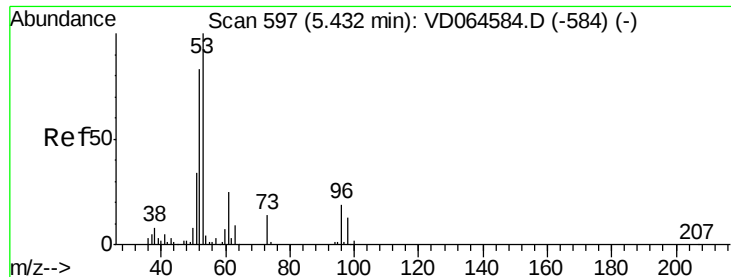


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 114.815 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

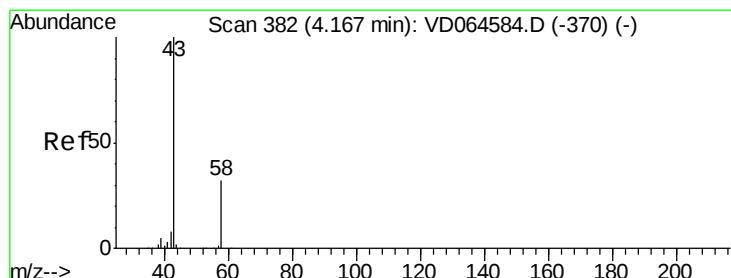
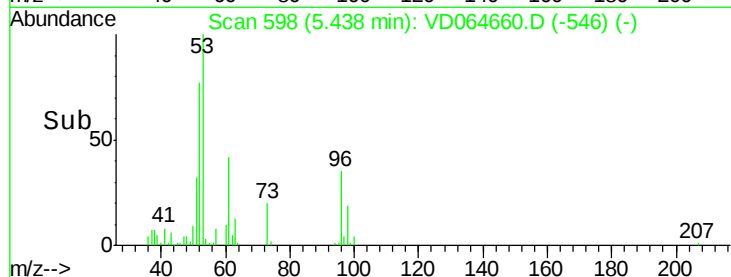
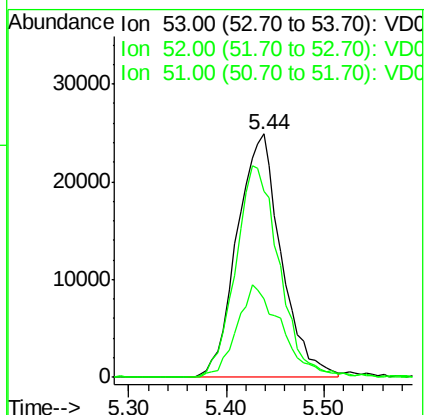
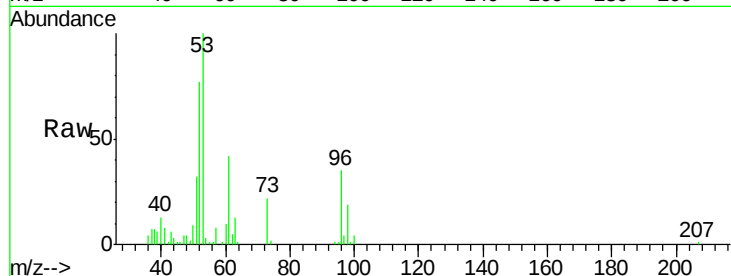
Tgt Ion: 53 Resp: 78600

Ion Ratio Lower Upper

53 100

52 86.0 66.2 99.2

51 39.1 30.1 45.1



#16

Acetone

Concen: 95.673 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064660.D

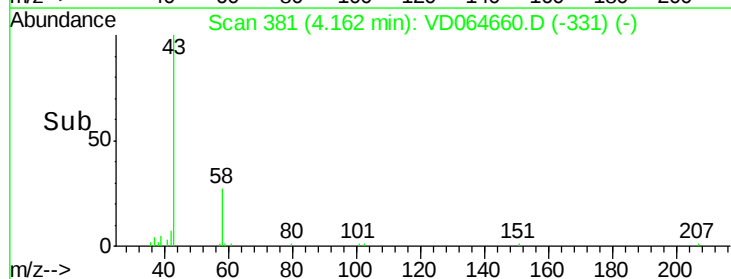
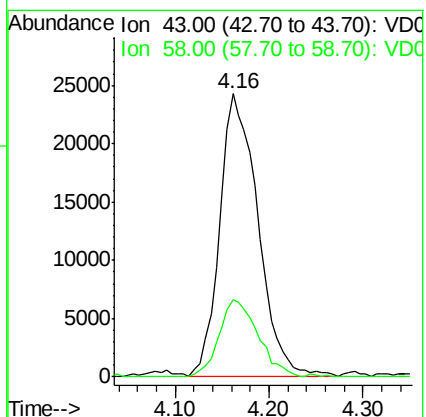
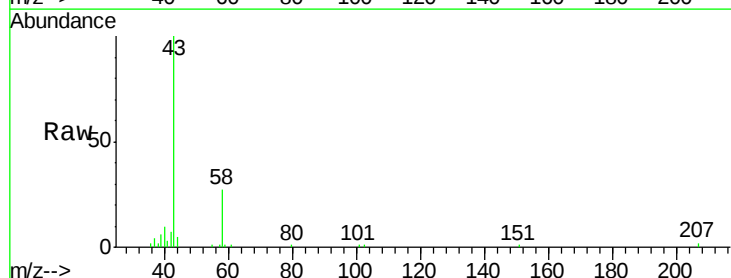
Acq: 28 Dec 2019 00:21

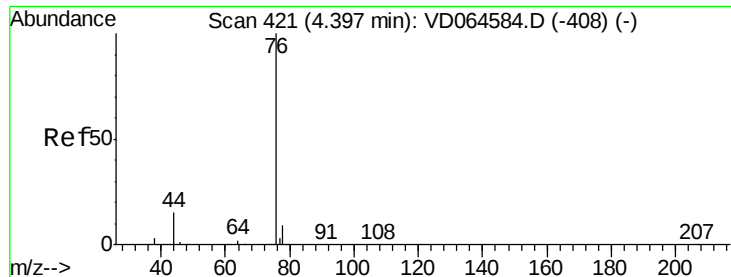
Tgt Ion: 43 Resp: 68931

Ion Ratio Lower Upper

43 100

58 27.5 25.8 38.6

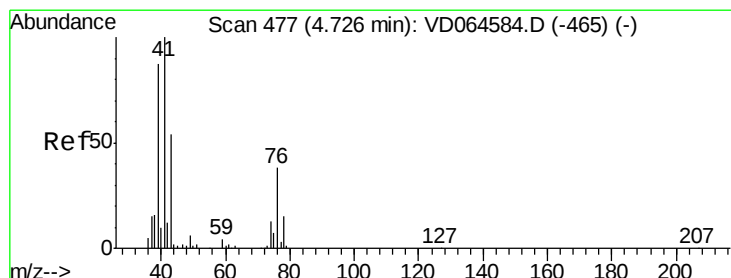
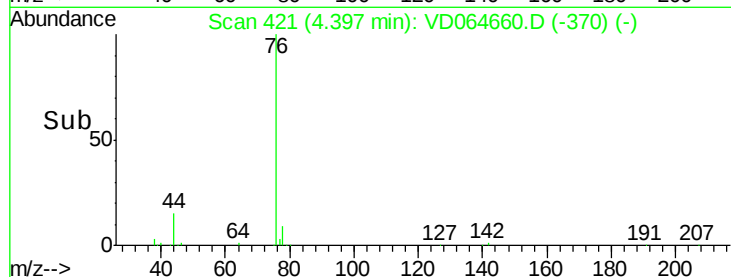
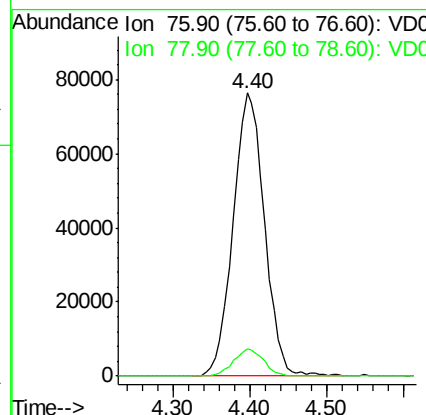
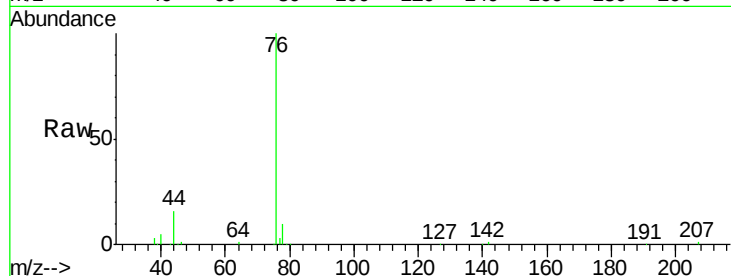




#17
Carbon Disulfide
Concen: 20.556 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

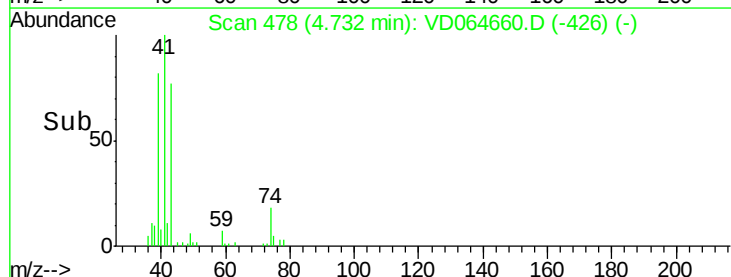
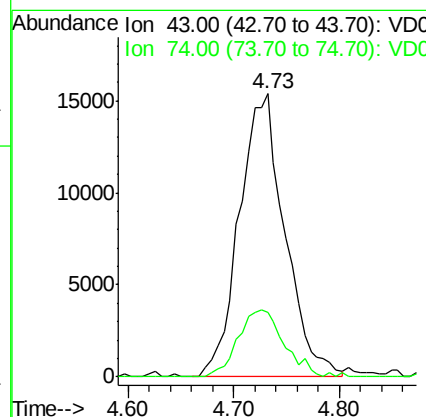
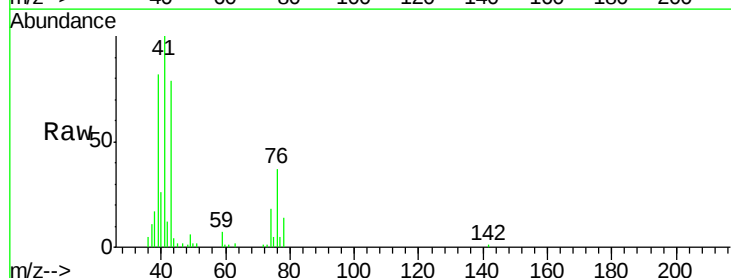
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

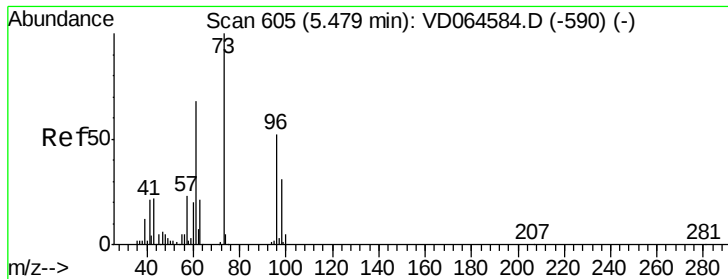
Tgt Ion: 76 Resp: 216899
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 24.949 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 43 Resp: 45940
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8



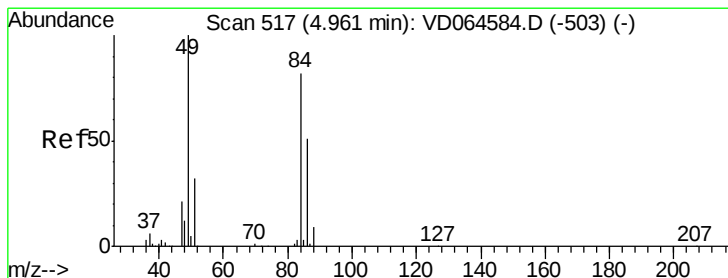
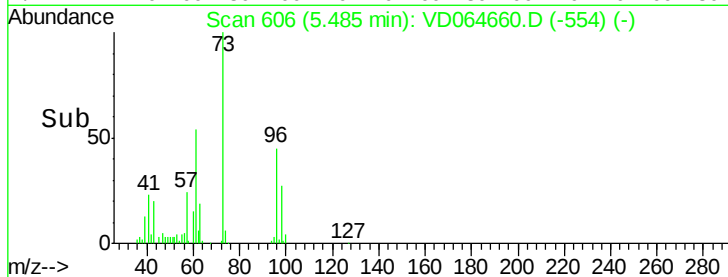
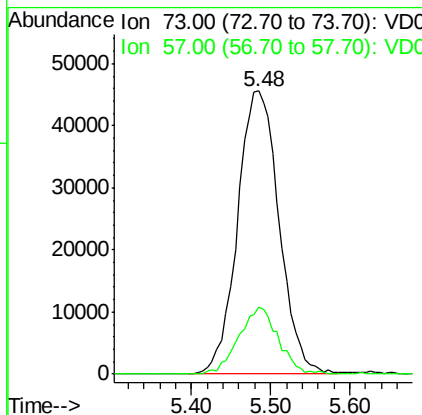
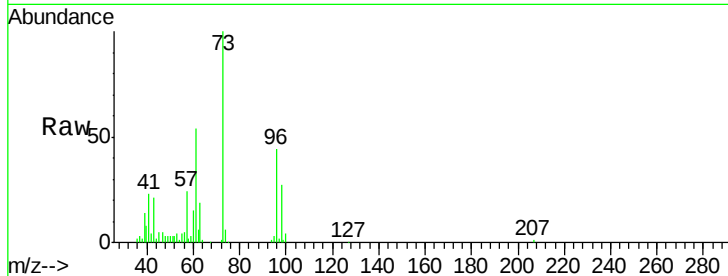


#19

Methyl tert-butyl Ether
 Concen: 22.881 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

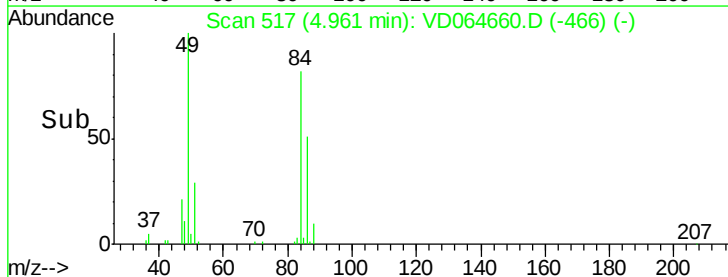
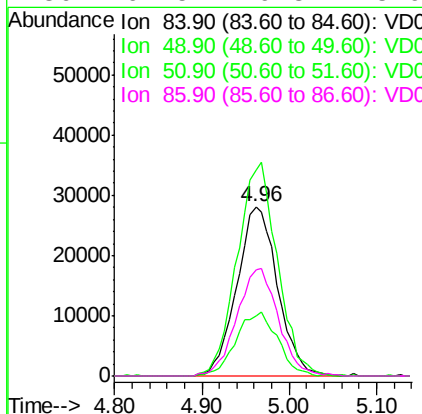
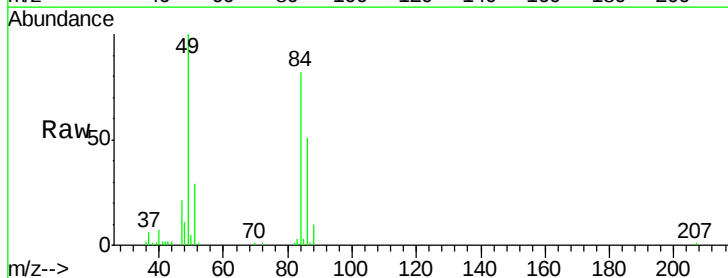
Tgt Ion: 73 Resp: 165843
 Ion Ratio Lower Upper
 73 100
 57 23.6 18.6 27.8

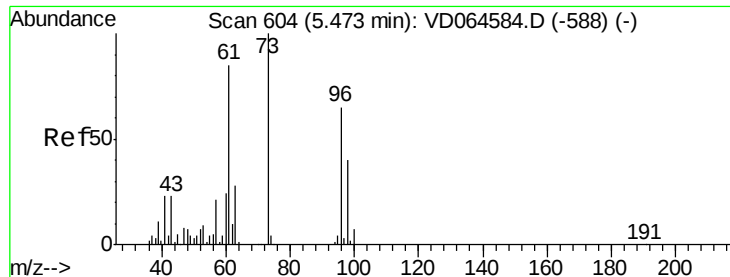


#20

Methylene Chloride
 Concen: 23.946 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 84 Resp: 88620
 Ion Ratio Lower Upper
 84 100
 49 122.0 97.2 145.8
 51 35.5 31.4 47.0
 86 62.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.068 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD02

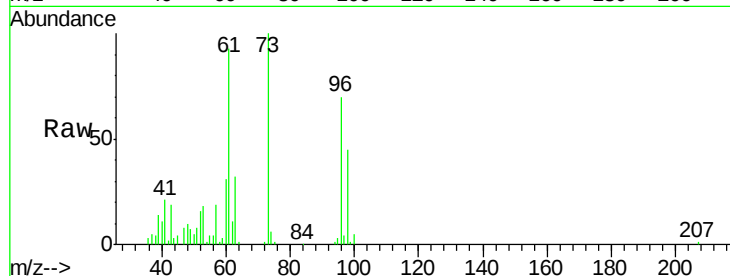
Tgt Ion: 96 Resp: 82011

Ion Ratio Lower Upper

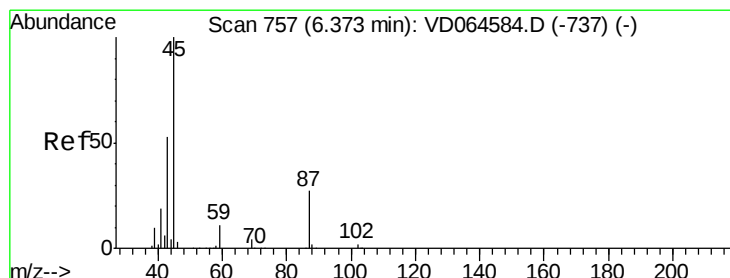
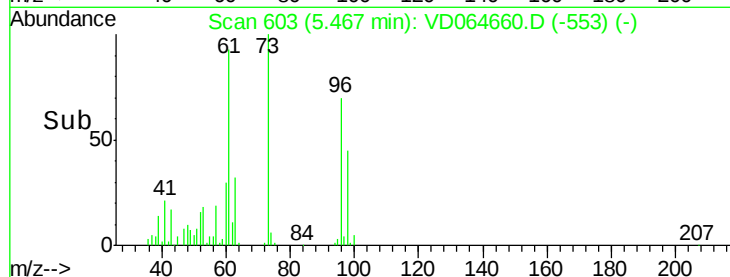
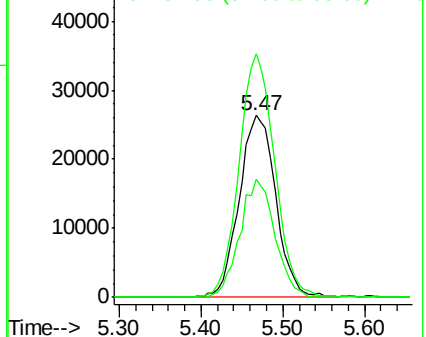
96 100

61 134.1 104.7 157.1

98 65.1 49.4 74.2



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



#22

Diisopropyl ether

Concen: 23.212 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Tgt Ion: 45 Resp: 235561

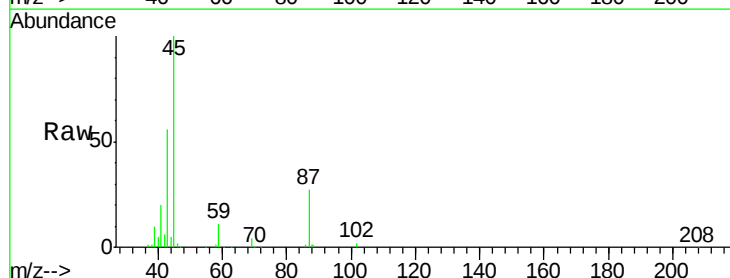
Ion Ratio Lower Upper

45 100

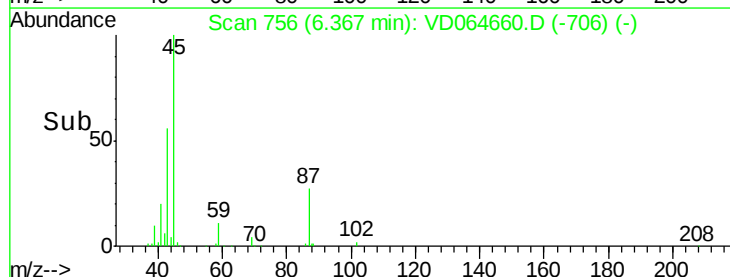
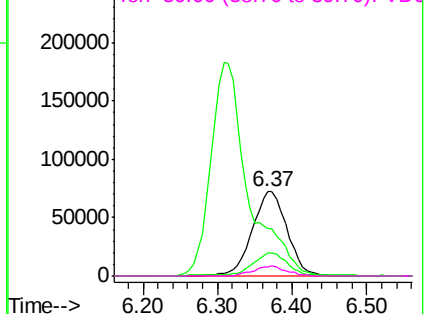
43 55.5 43.2 64.8

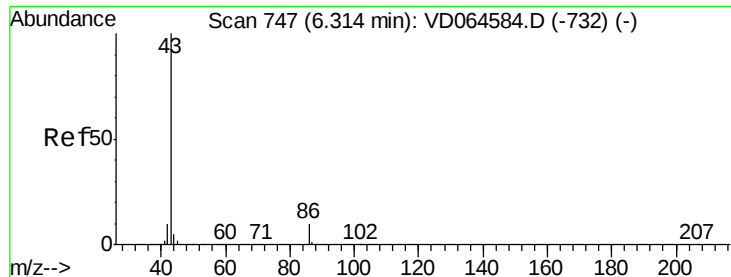
87 27.4 21.9 32.9

59 10.7 9.0 13.4



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





#23

Vinyl Acetate

Concen: 110.450 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

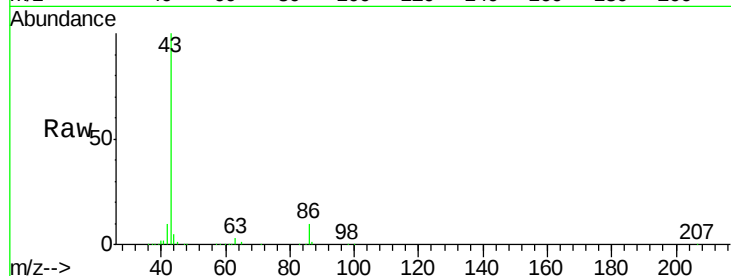
VD1227SBSD02

Tgt Ion: 43 Resp: 635819

Ion Ratio Lower Upper

43 100

86 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

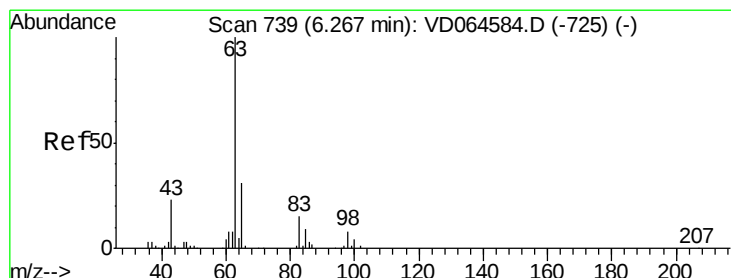
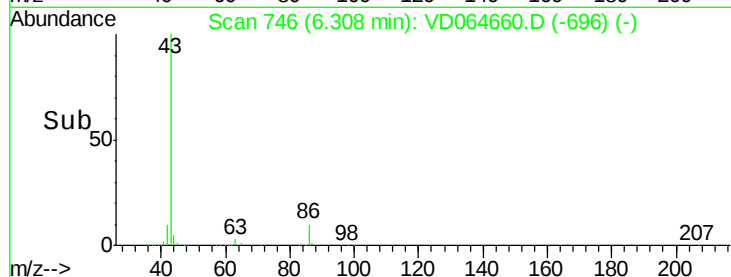
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 22.518 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

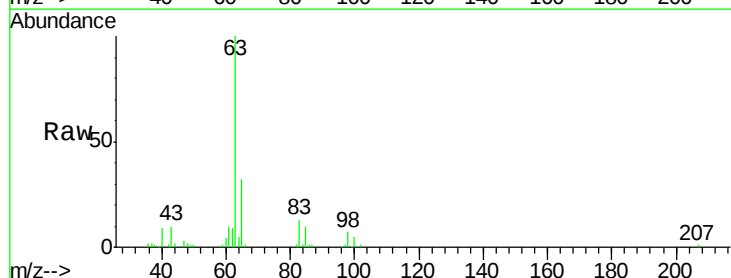
Tgt Ion: 63 Resp: 137183

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

100 4.9 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

6.26

60000

50000

40000

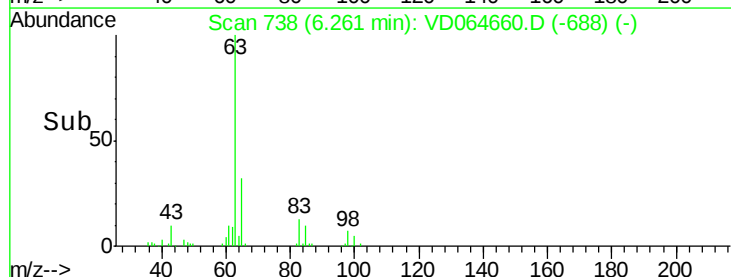
30000

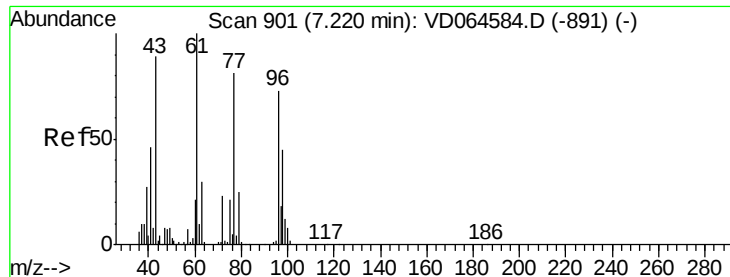
20000

10000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 110.094 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

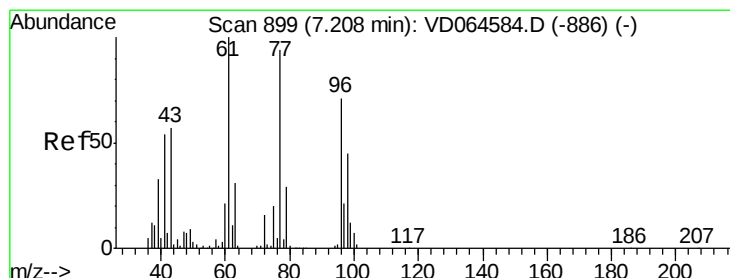
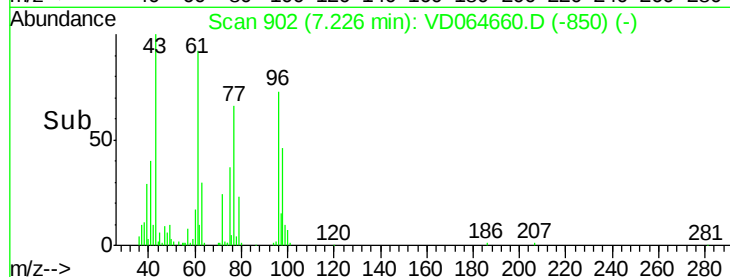
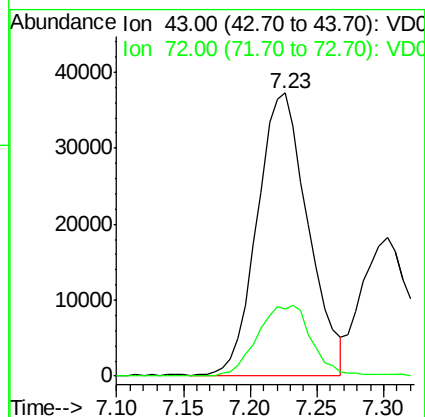
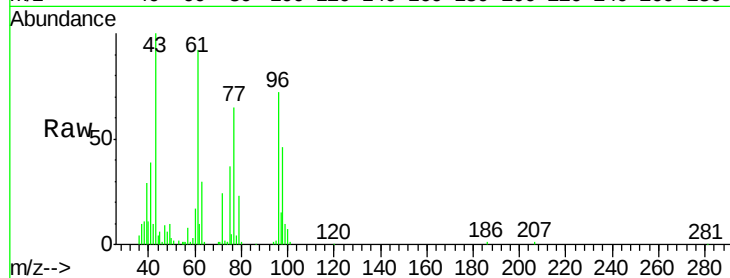
VD1227SBS02

Tgt Ion: 43 Resp: 98978

Ion Ratio Lower Upper

43 100

72 23.5 20.7 31.1



#26

2,2-Dichloropropane

Concen: 18.874 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064660.D

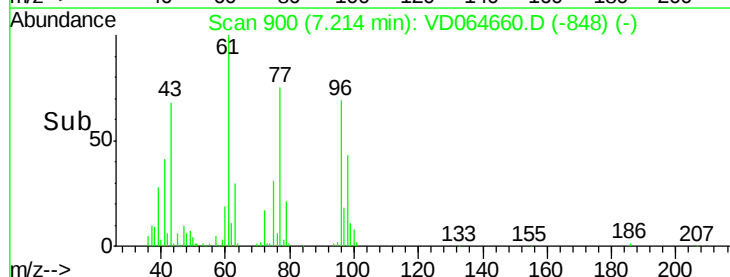
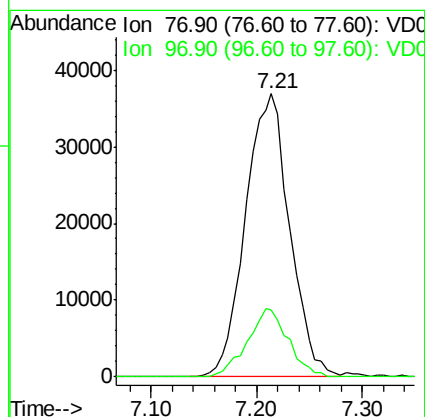
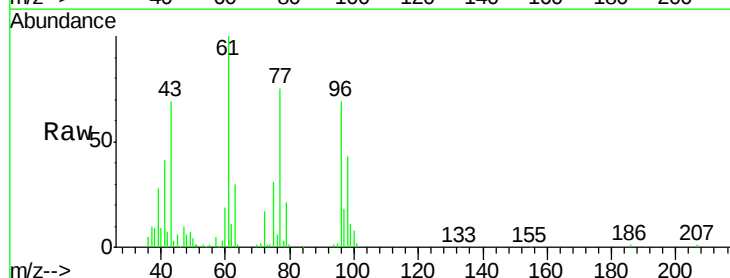
Acq: 28 Dec 2019 00:21

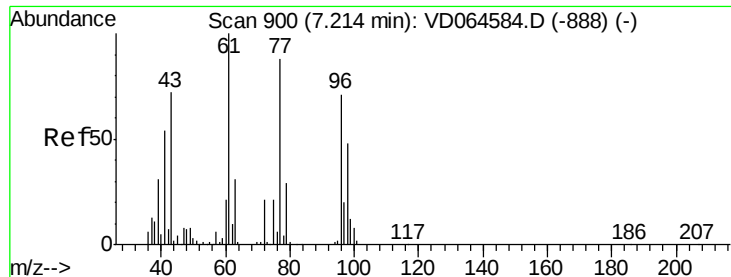
Tgt Ion: 77 Resp: 106909

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6



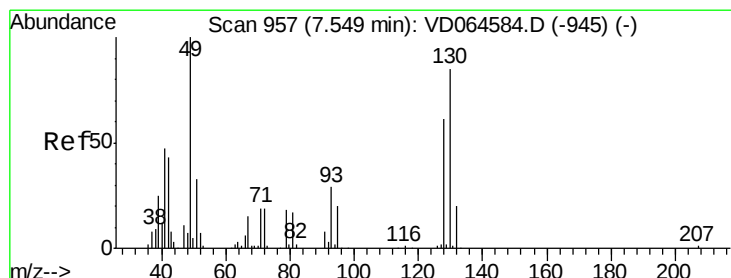
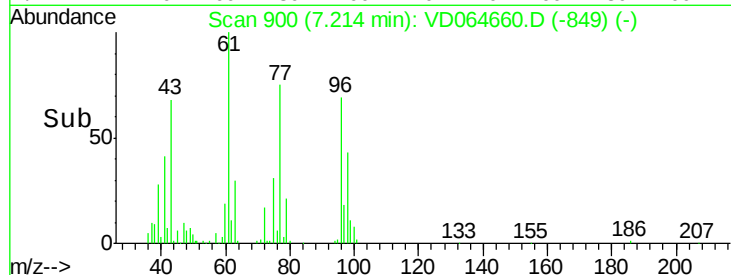
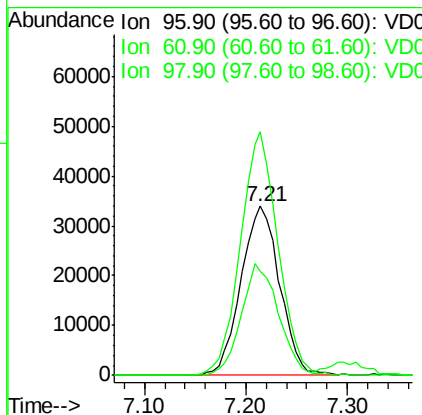
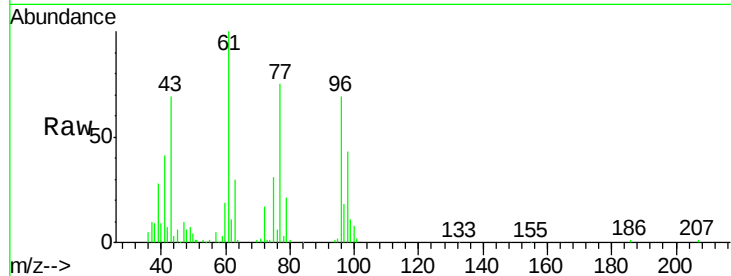


#27

cis-1,2-Dichloroethene
 Concen: 22.459 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

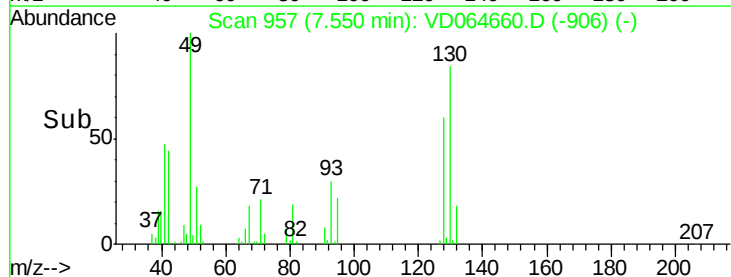
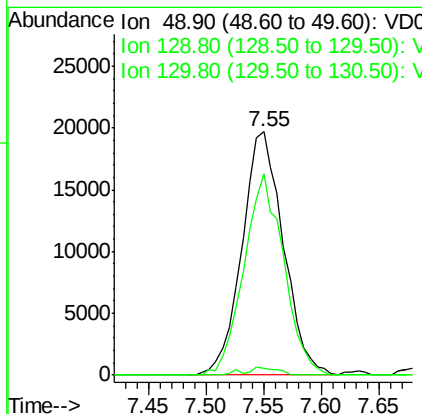
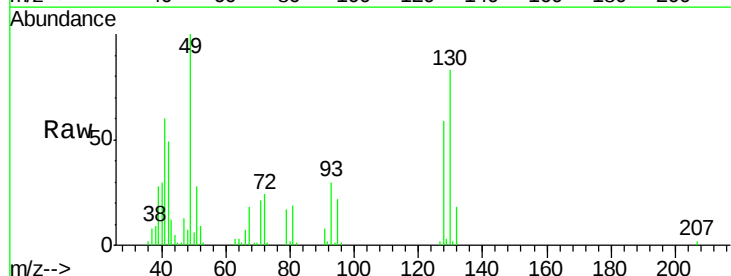
Tgt Ion: 96 Resp: 90080
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 282.6
 98 63.3 0.0 130.8

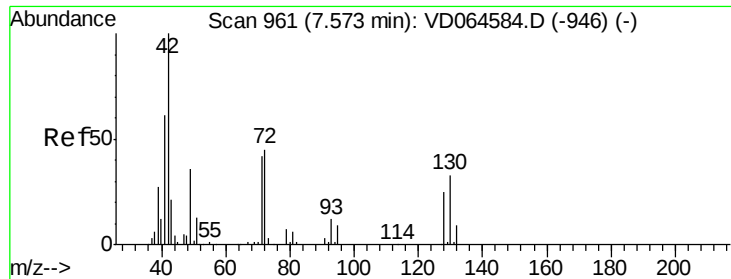


#28

Bromochloromethane
 Concen: 20.773 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 49 Resp: 49196
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.8
 130 79.2 65.0 97.6

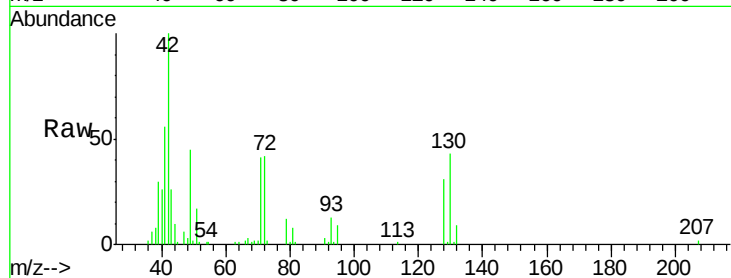




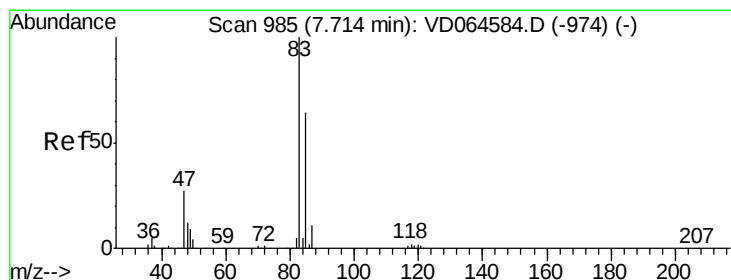
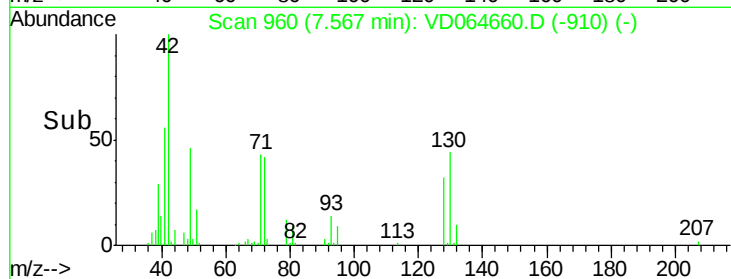
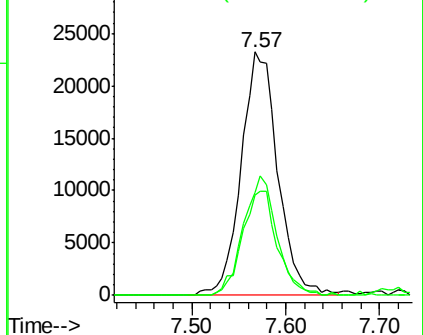
#29
Tetrahydrofuran
Concen: 112.208 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 42 Resp: 62734
Ion Ratio Lower Upper
42 100
72 44.7 35.0 52.4
71 40.9 32.9 49.3

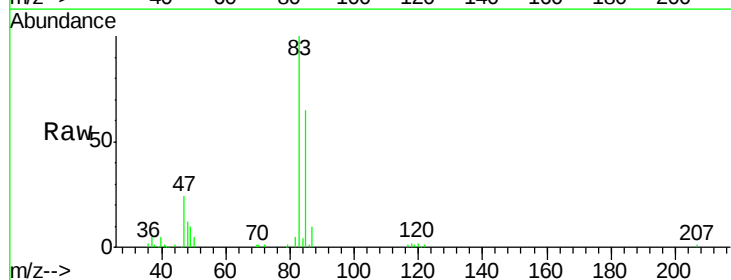


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

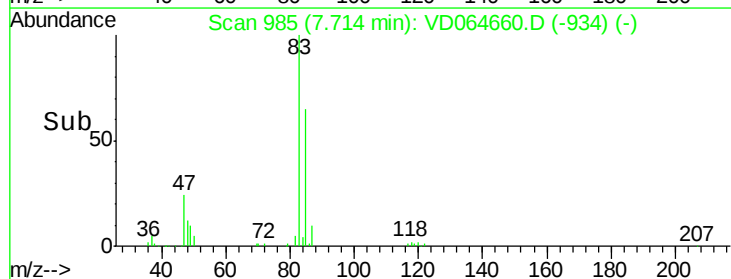
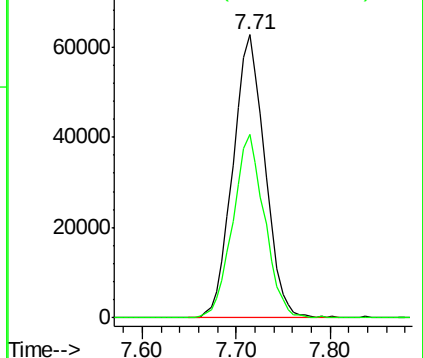


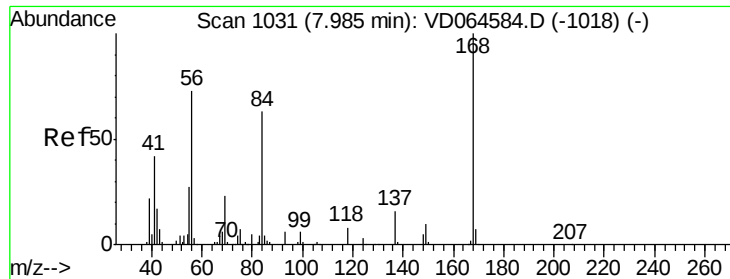
#30
Chloroform
Concen: 23.178 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 83 Resp: 148151
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7



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

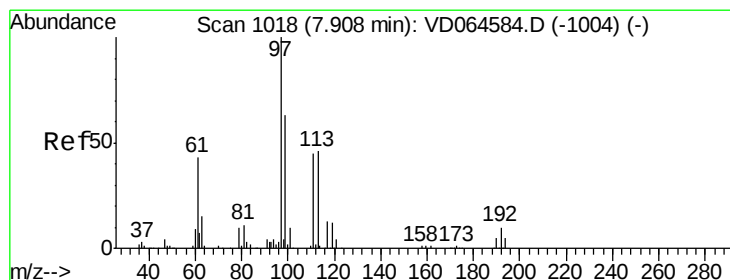
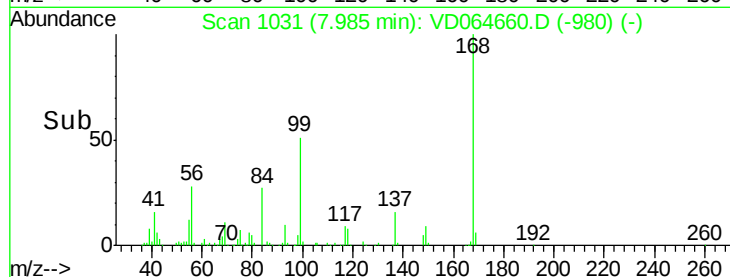
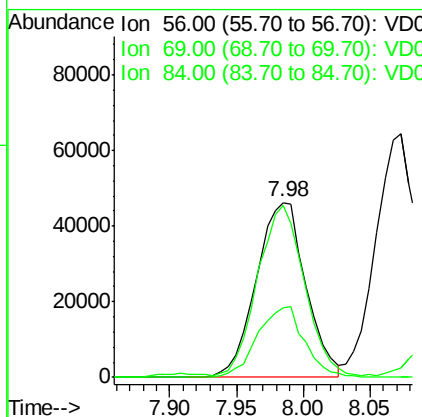
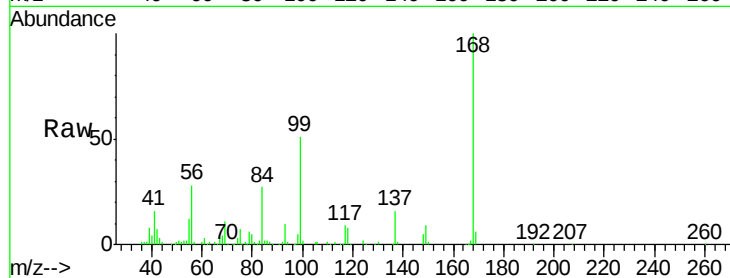




#31
Cyclohexane
Concen: 19.513 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

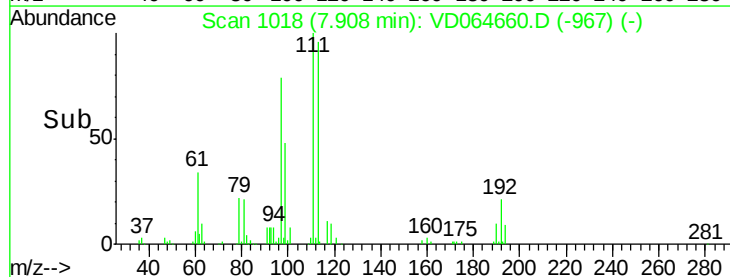
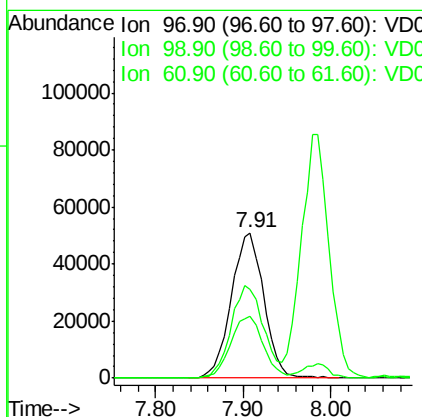
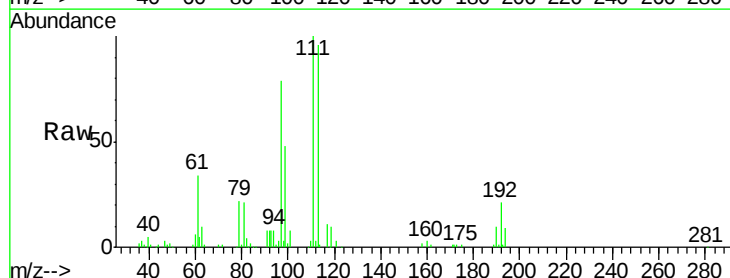
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

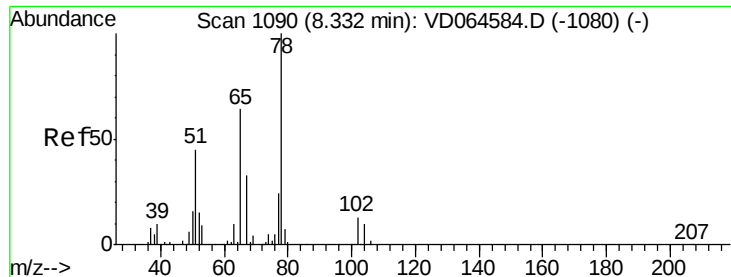
Tgt Ion: 56 Resp: 118998
Ion Ratio Lower Upper
56 100
69 40.0 24.7 37.1#
84 96.5 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 21.335 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 97 Resp: 128086
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 42.9 35.4 53.0

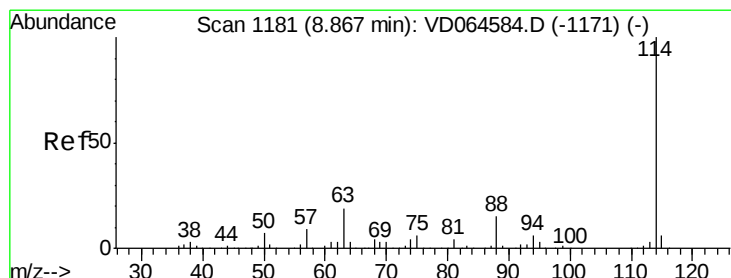
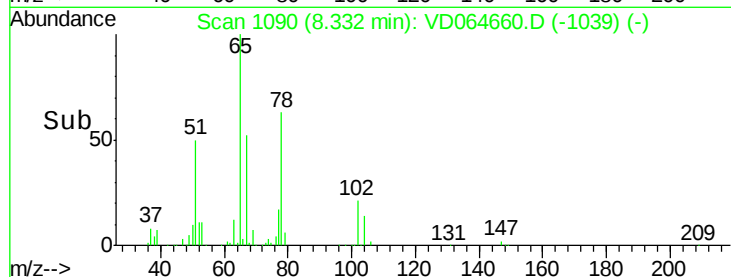
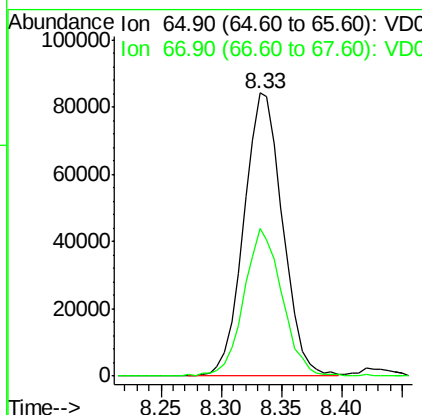
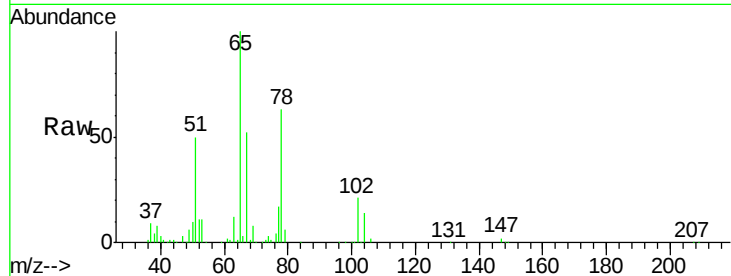




#33
 1,2-Dichloroethane-d4
 Concen: 57.621 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

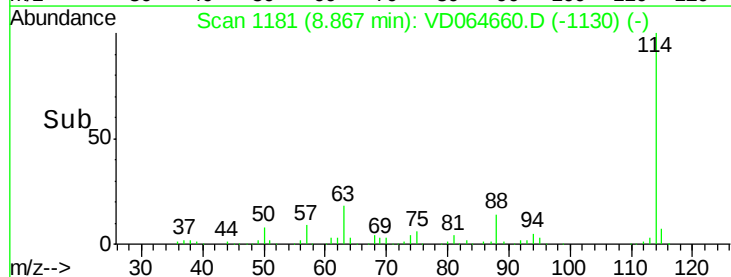
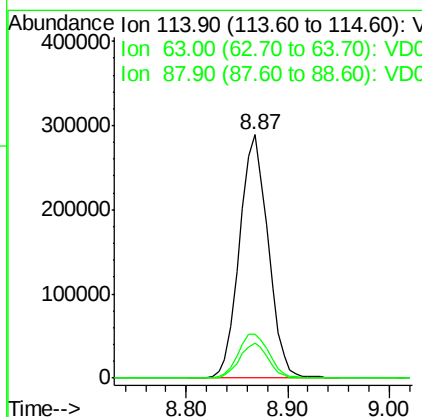
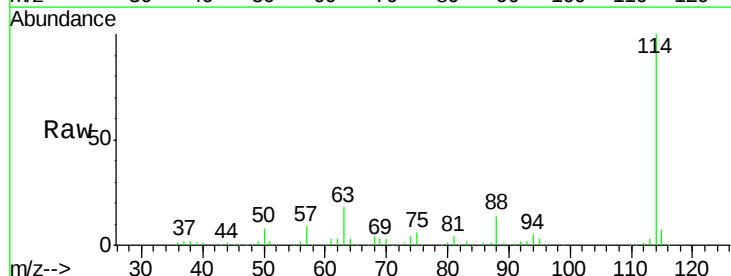
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

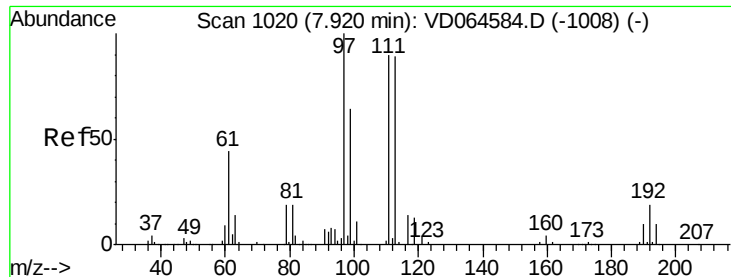
Tgt Ion: 65 Resp: 188459
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 114 Resp: 569515
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.0
 88 14.4 0.0 29.2

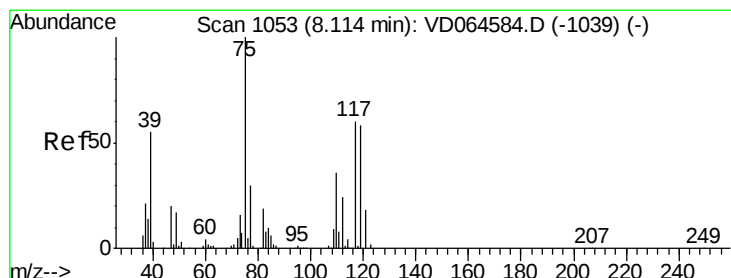
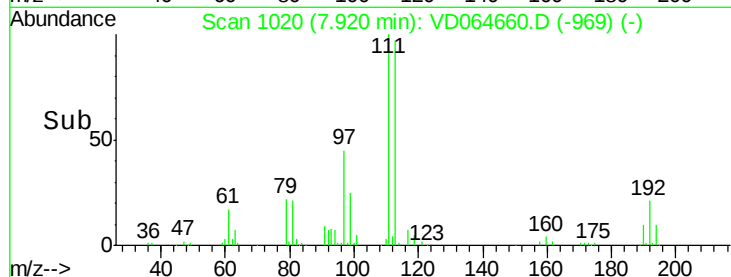
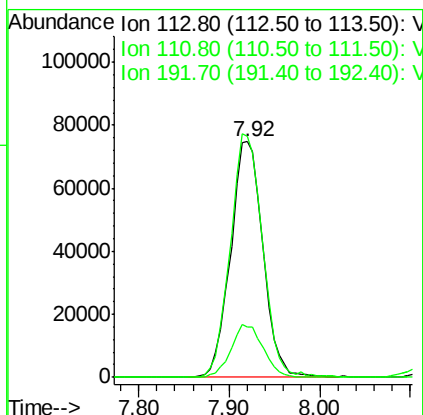
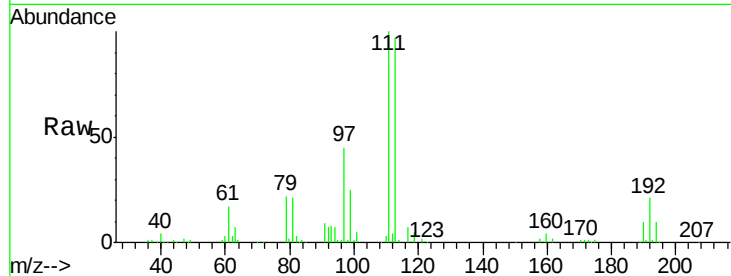




#35
 Dibromofluoromethane
 Concen: 53.248 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

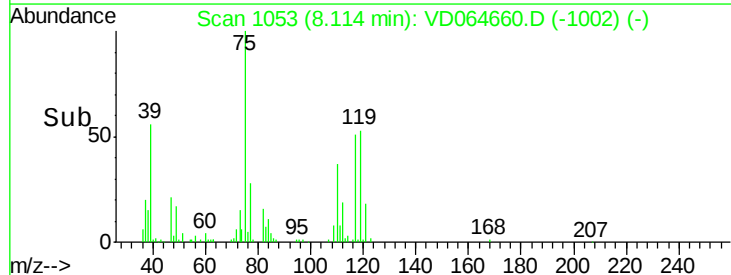
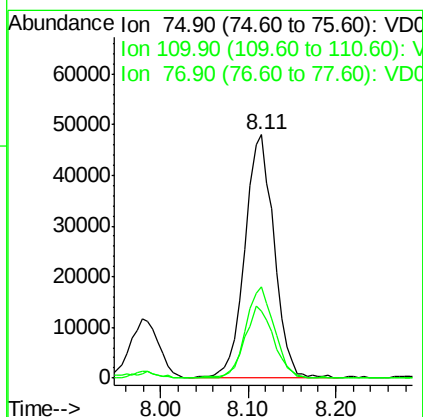
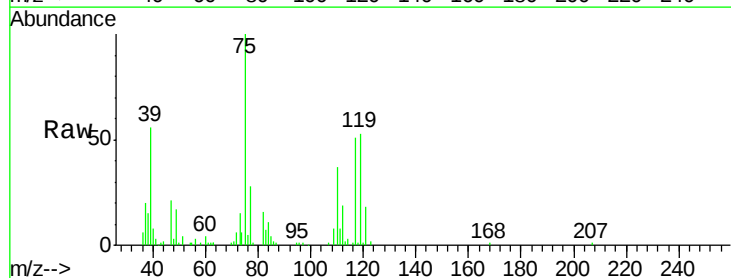
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

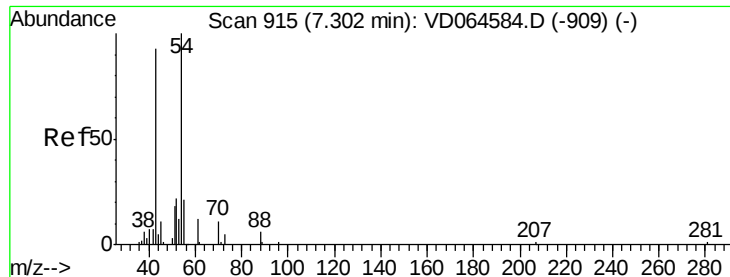
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.6	121.0
192	22.0	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 19.781 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.1
77	29.0	24.2	36.4

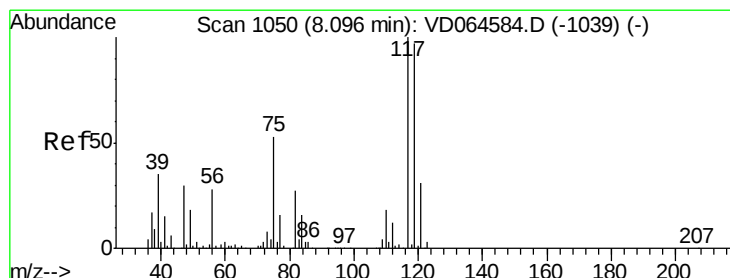
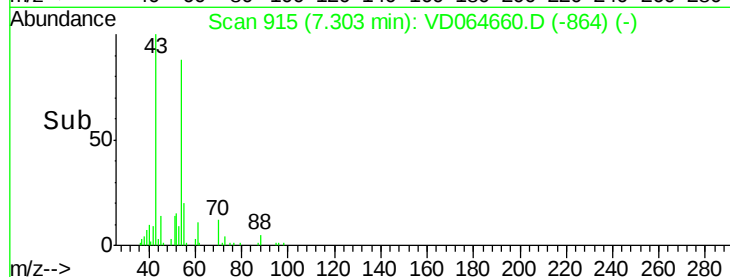
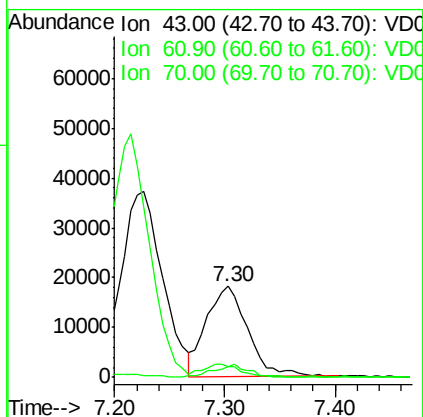
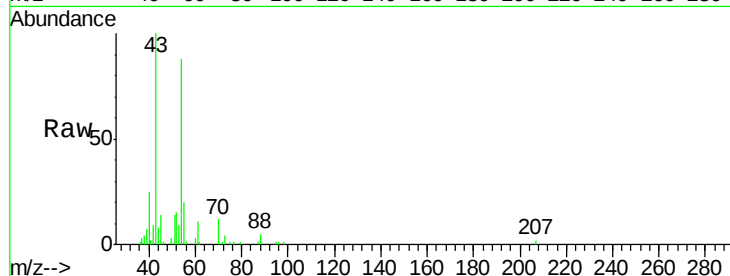




#37
Ethyl Acetate
Concen: 21.726 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

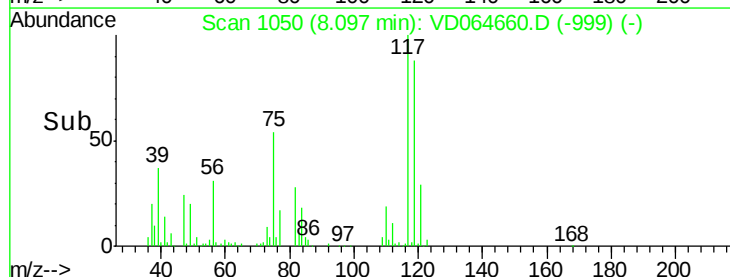
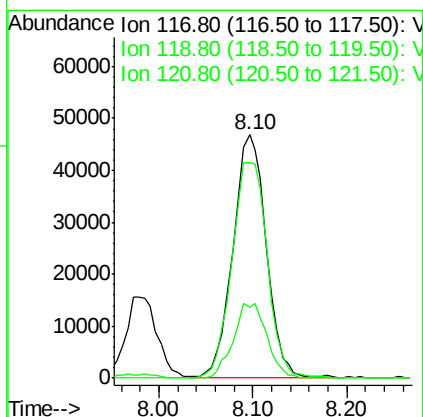
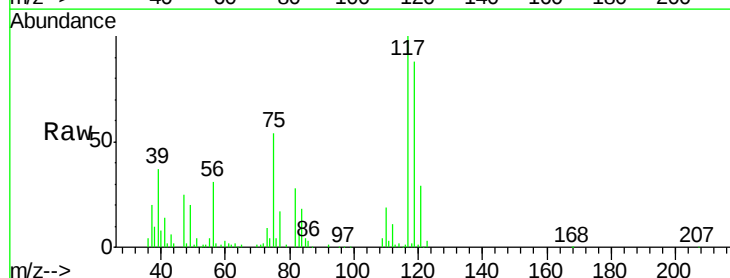
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

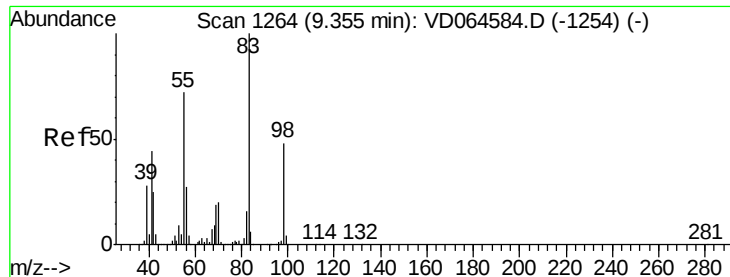
Tgt Ion: 43 Resp: 46786
Ion Ratio Lower Upper
43 100
61 15.3 10.3 15.5
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.737 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 117 Resp: 115365
Ion Ratio Lower Upper
117 100
119 88.3 77.3 115.9
121 29.0 25.0 37.6

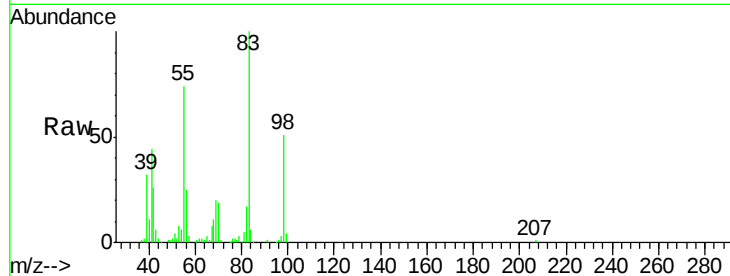




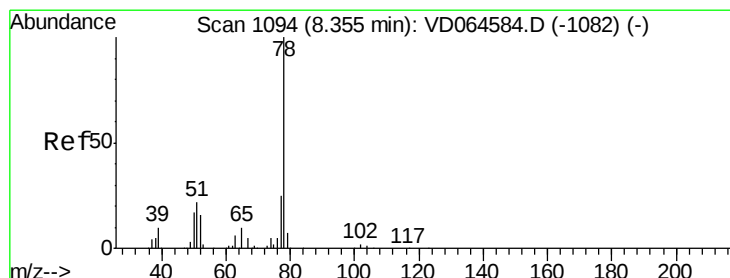
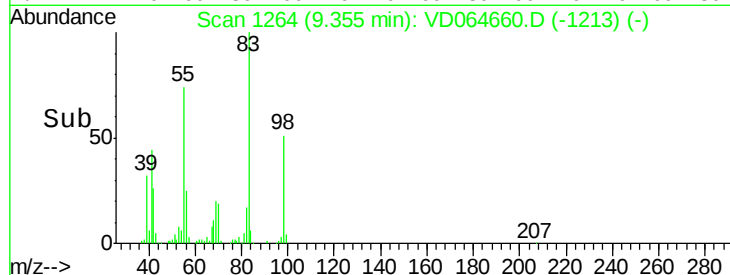
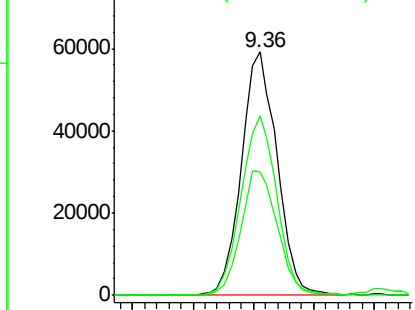
#39
Methylcyclohexane
Concen: 18.338 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 83 Resp: 121751
Ion Ratio Lower Upper
83 100
55 73.9 57.8 86.6
98 50.8 38.7 58.1

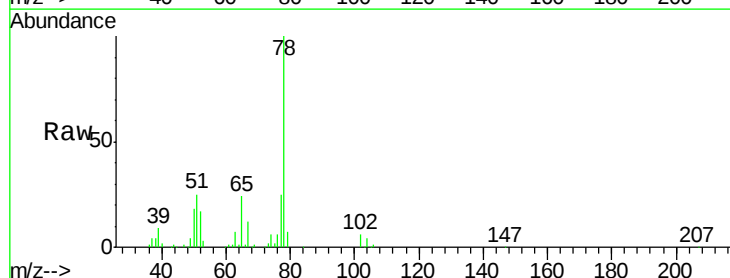


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

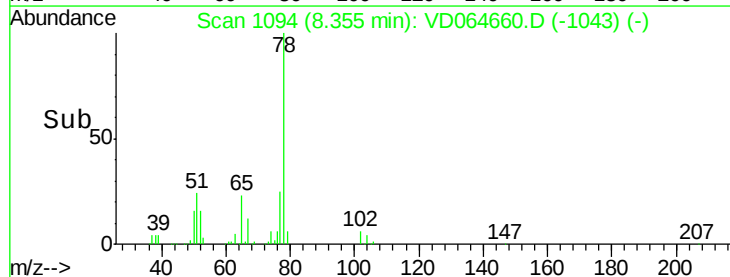
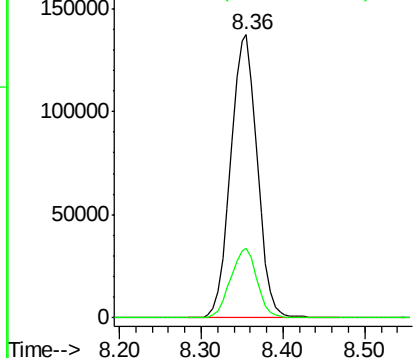


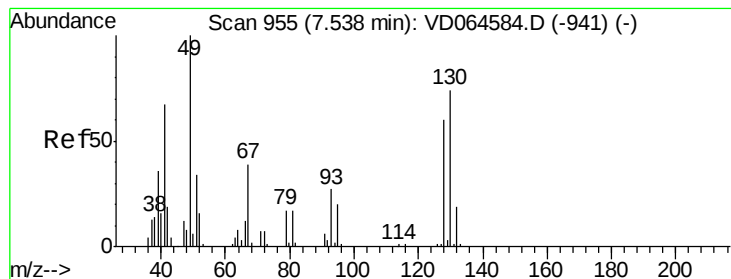
#40
Benzene
Concen: 20.743 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 78 Resp: 310401
Ion Ratio Lower Upper
78 100
77 24.7 19.9 29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 20.877 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tgt Ion: 41 Resp: 26084

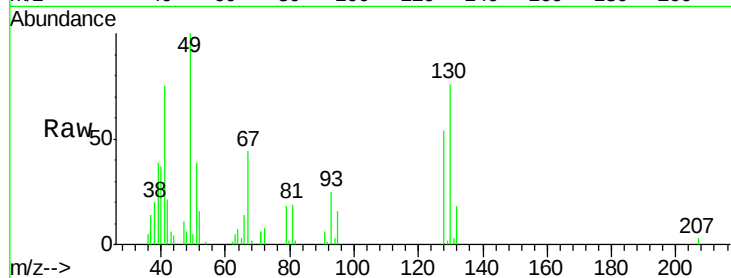
Ion Ratio Lower Upper

41 100

39 65.0 46.7 70.1

67 76.5 52.5 78.7

52 31.7 24.1 36.1



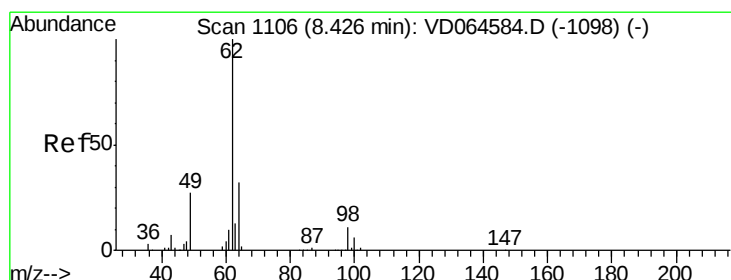
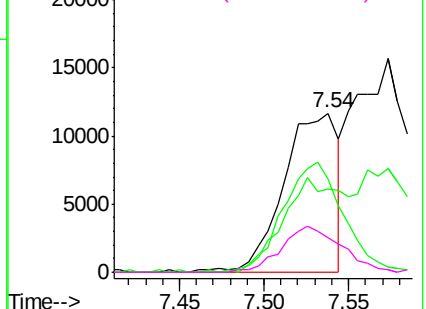
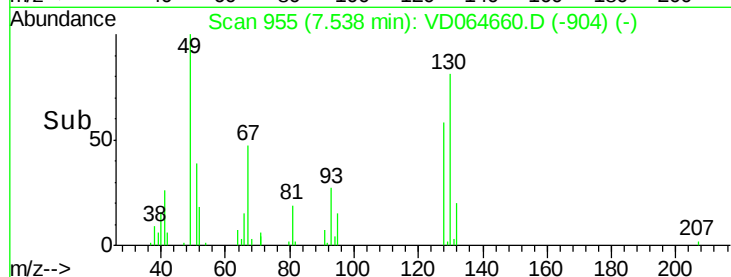
Abundance

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: 21.639 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064660.D

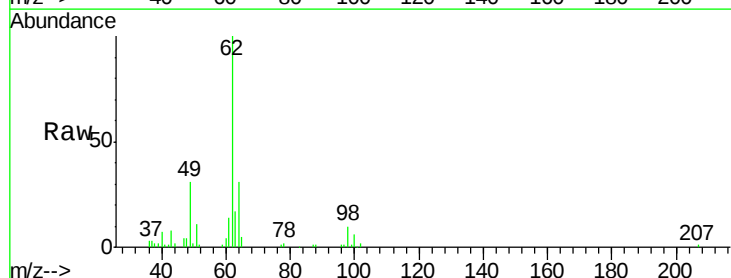
Acq: 28 Dec 2019 00:21

Tgt Ion: 62 Resp: 93571

Ion Ratio Lower Upper

62 100

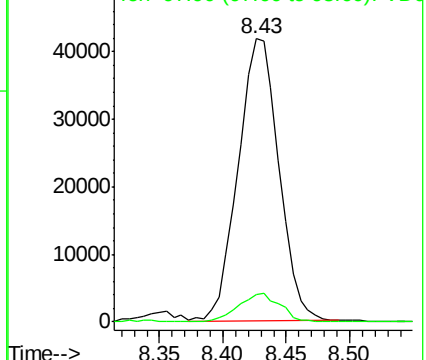
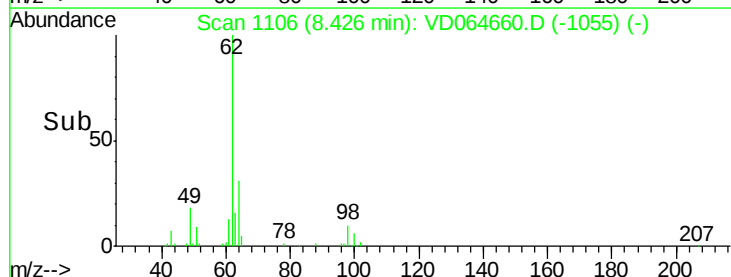
98 10.3 0.0 20.0

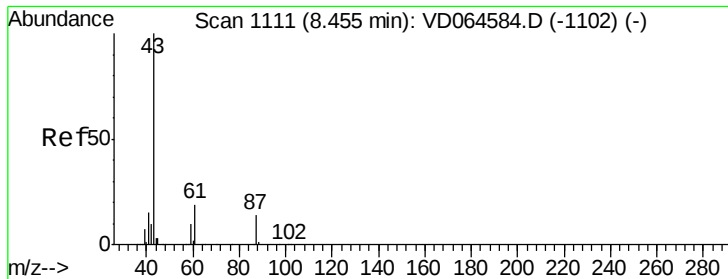


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.265 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

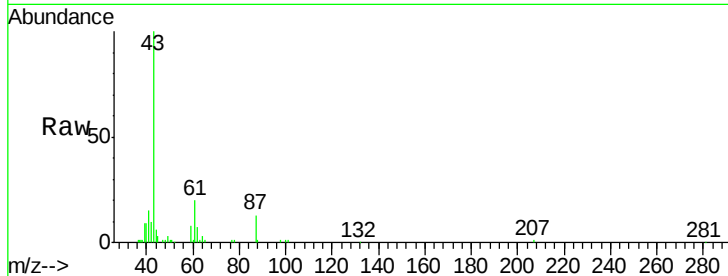
Tgt Ion: 43 Resp: 91149

Ion Ratio Lower Upper

43 100

61 29.5 23.7 35.5

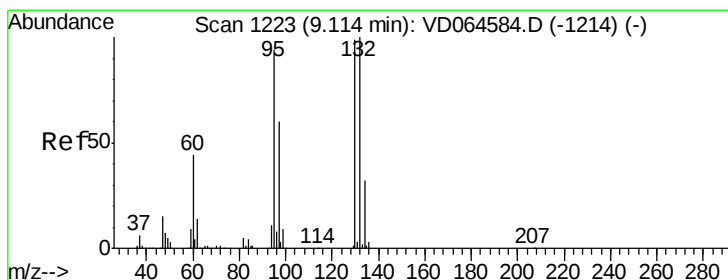
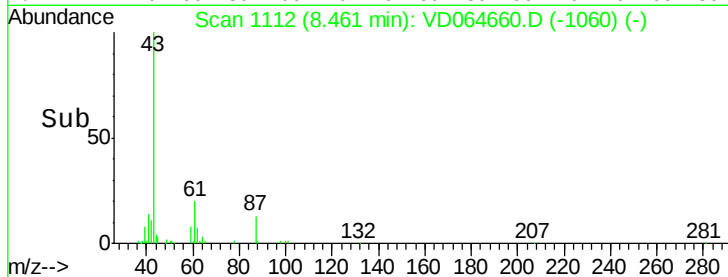
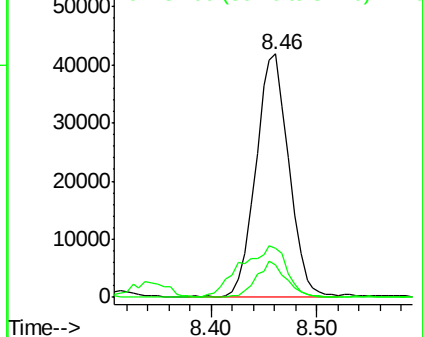
87 13.2 10.5 15.7



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: 20.609 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064660.D

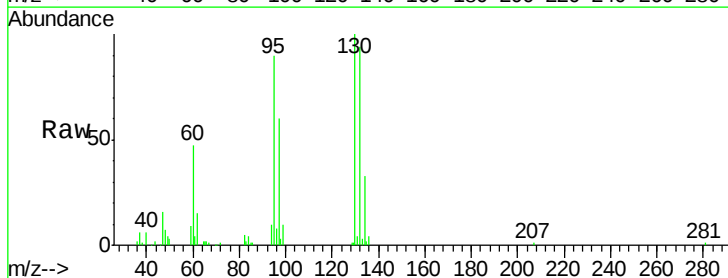
Acq: 28 Dec 2019 00:21

Tgt Ion: 130 Resp: 90598

Ion Ratio Lower Upper

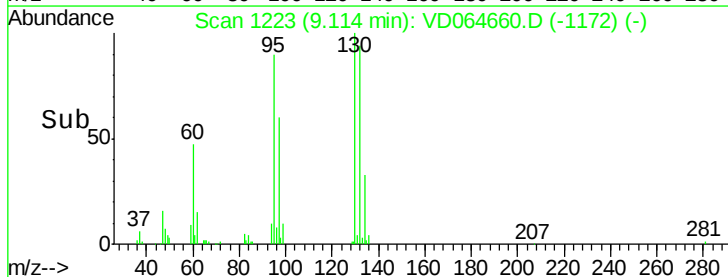
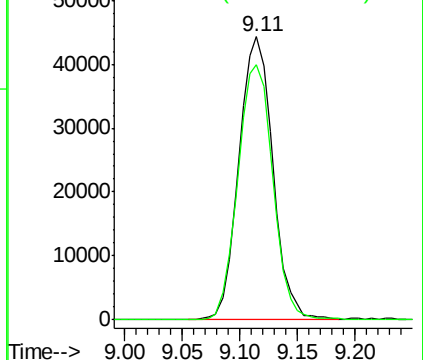
130 100

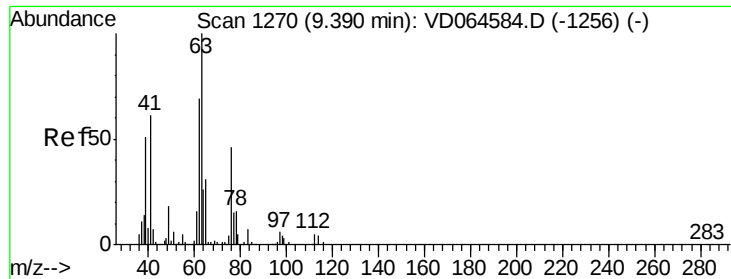
95 90.4 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

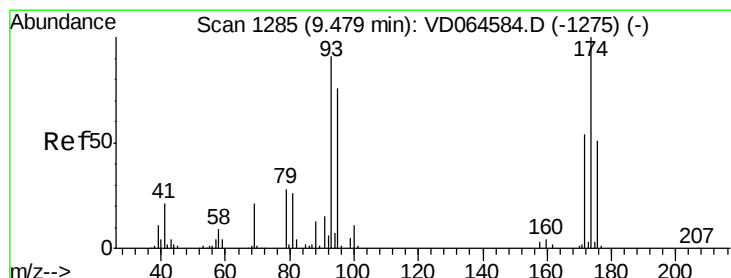
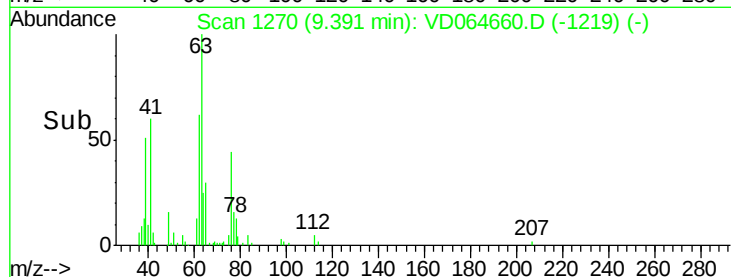
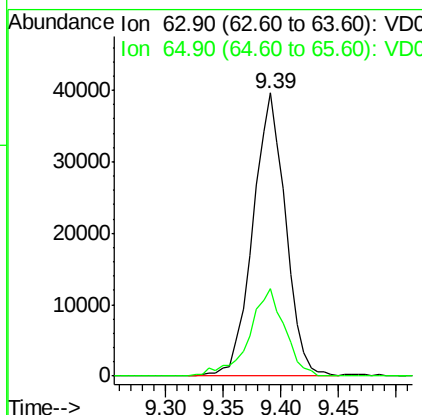
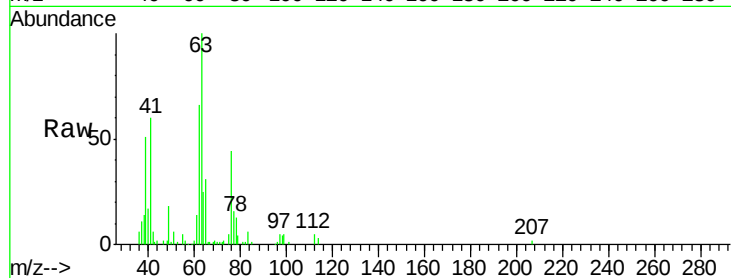




#45
 1,2-Dichloropropane
 Concen: 21.872 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

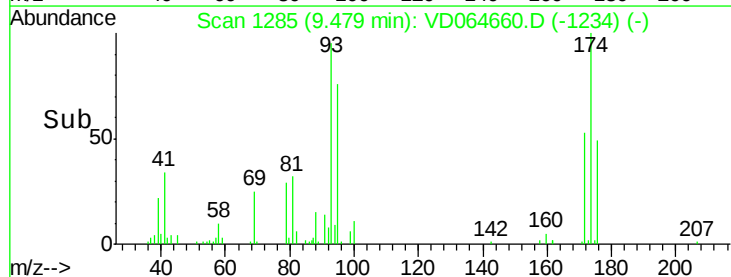
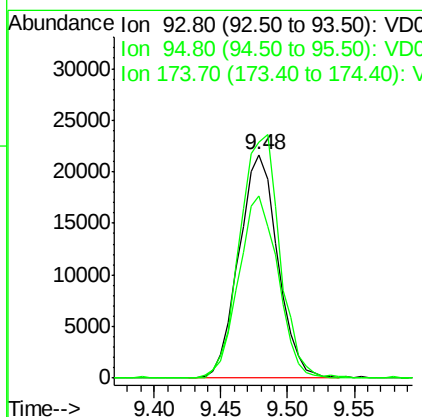
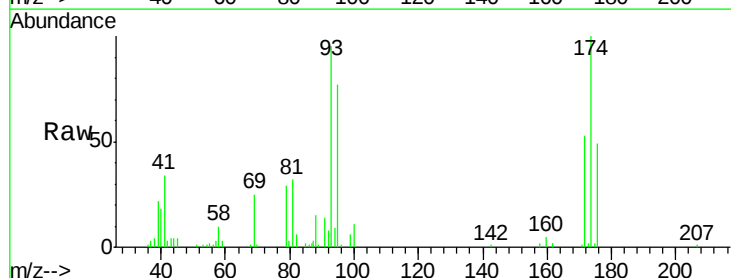
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

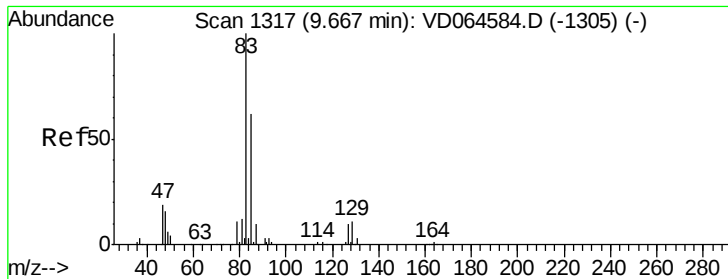
Tgt Ion: 63 Resp: 78145
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.2 37.8



#46
 Dibromomethane
 Concen: 21.911 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 93 Resp: 43647
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.6 97.0
 174 112.1 88.1 132.1





#47

Bromodichloromethane

Concen: 21.516 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

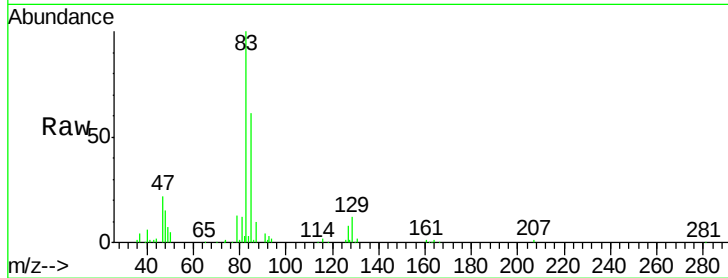
Tgt Ion: 83 Resp: 114046

Ion Ratio Lower Upper

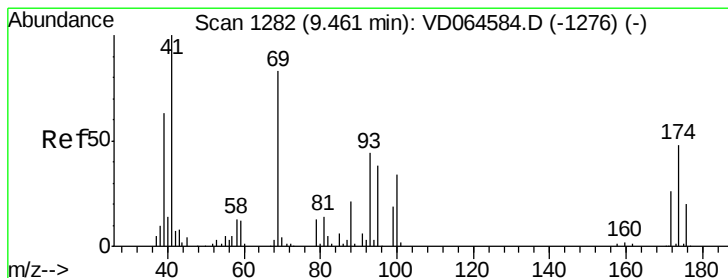
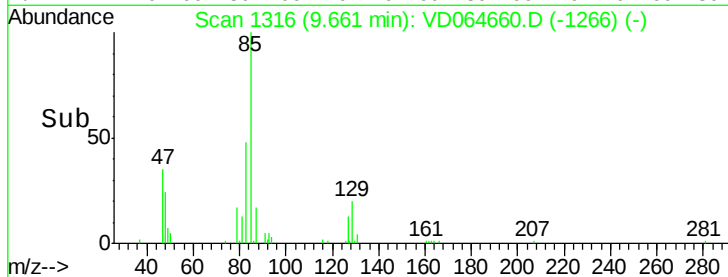
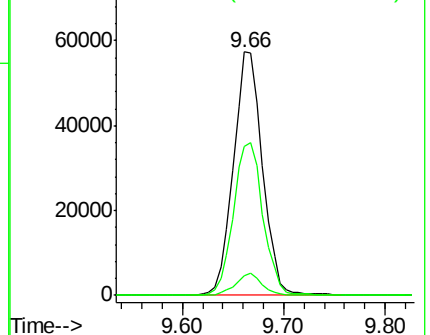
83 100

85 60.9 49.5 74.3

127 8.0 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: 21.542 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

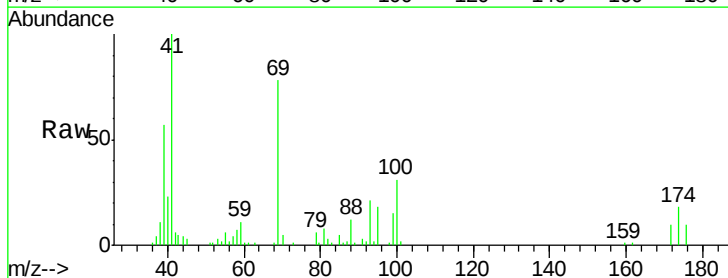
Tgt Ion: 41 Resp: 43476

Ion Ratio Lower Upper

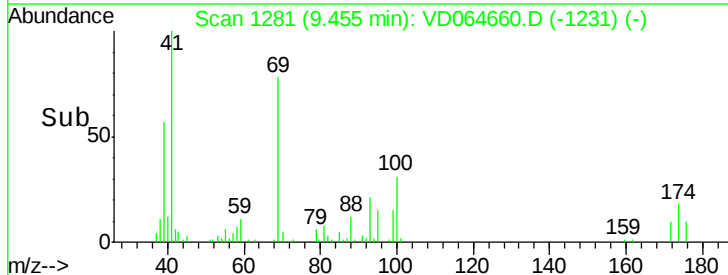
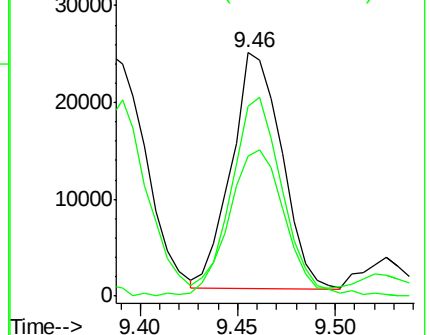
41 100

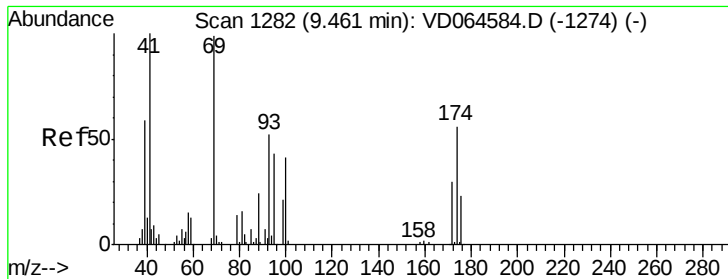
69 86.6 63.0 94.6

39 61.6 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

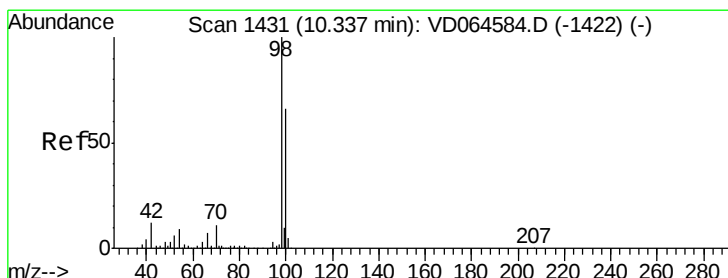
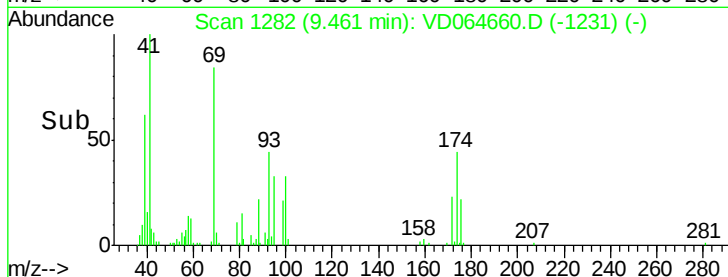
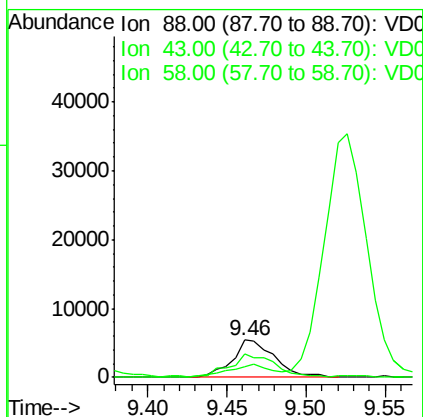
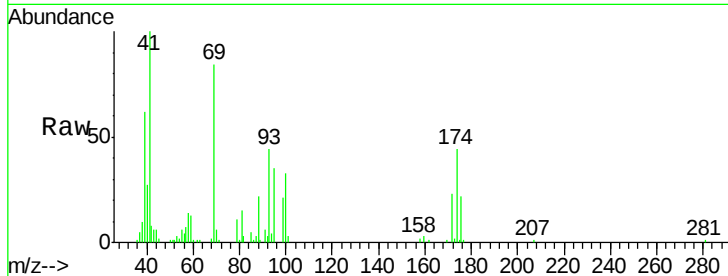




#49
1,4-Dioxane
Concen: 435.629 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

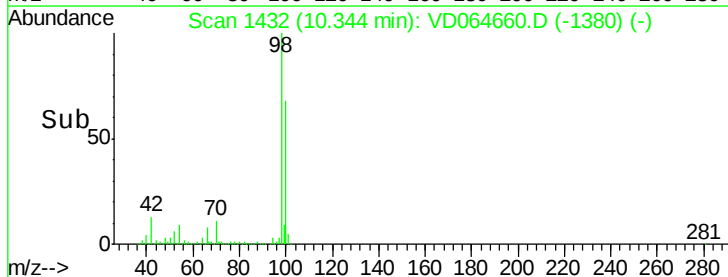
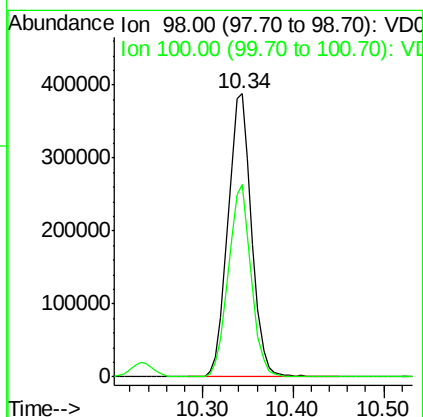
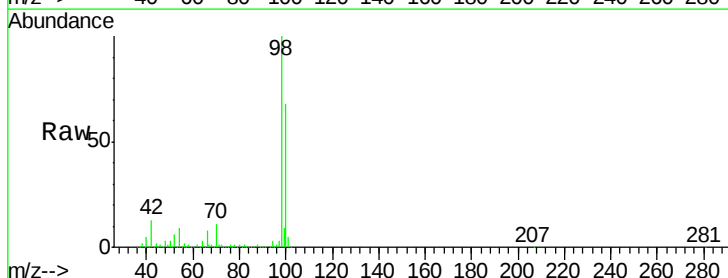
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

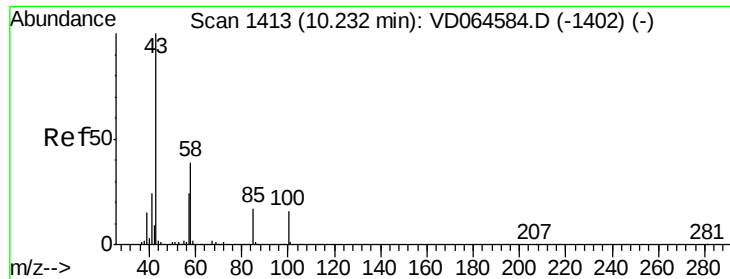
Tgt Ion: 88 Resp: 10006
Ion Ratio Lower Upper
88 100
43 37.2 27.7 41.5
58 66.8 53.8 80.6



#50
Toluene-d8
Concen: 52.595 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 98 Resp: 703822
Ion Ratio Lower Upper
98 100
100 65.4 51.7 77.5

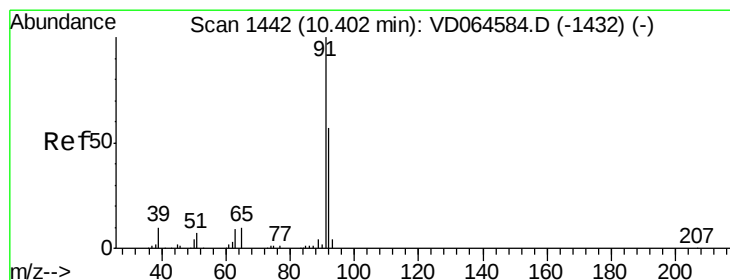
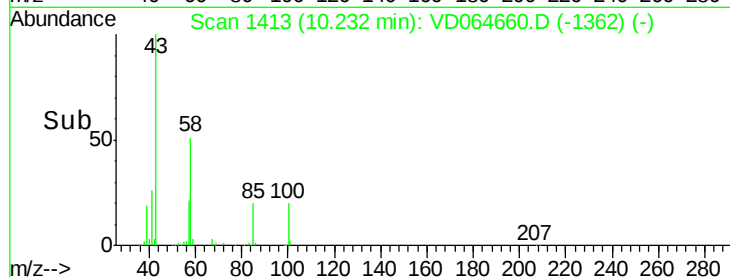
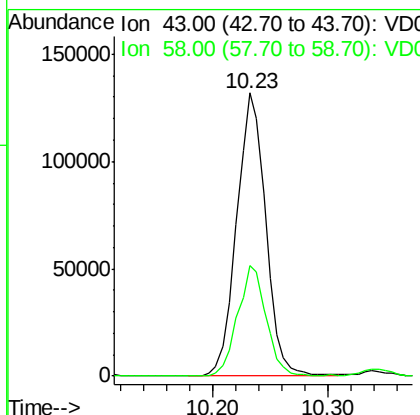
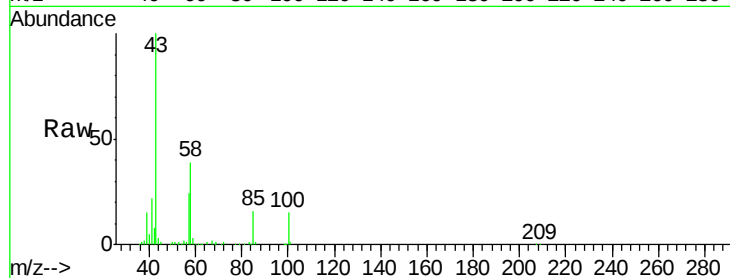




#51
 4-Methyl-2-Pentanone
 Concen: 108.869 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

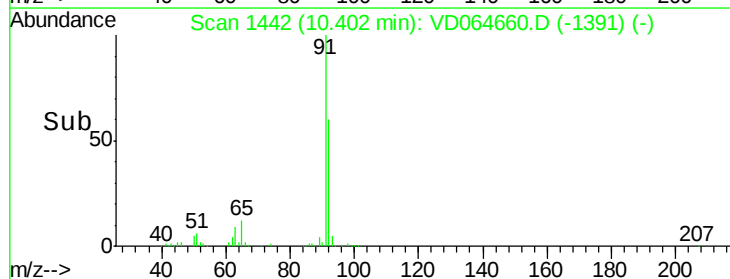
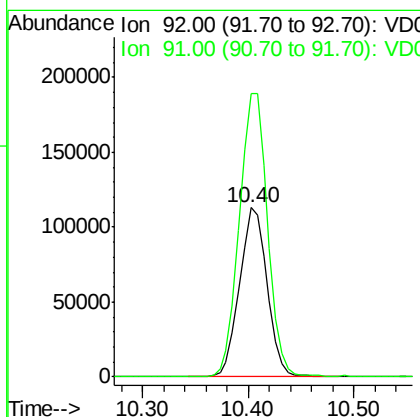
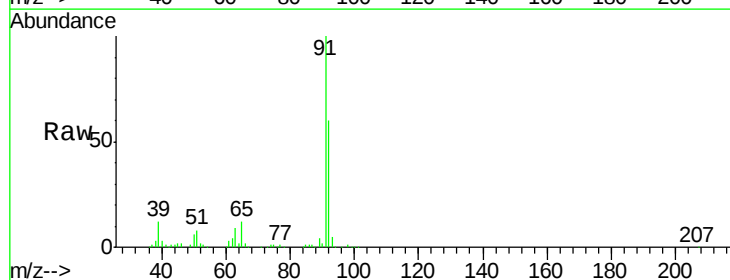
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

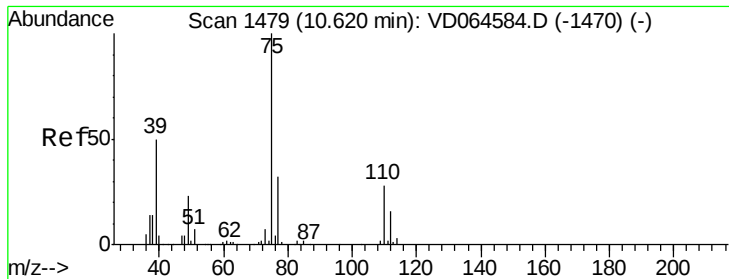
Tgt Ion: 43 Resp: 230650
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.2 45.2



#52
 Toluene
 Concen: 20.805 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 92 Resp: 204257
 Ion Ratio Lower Upper
 92 100
 91 171.6 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.998 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

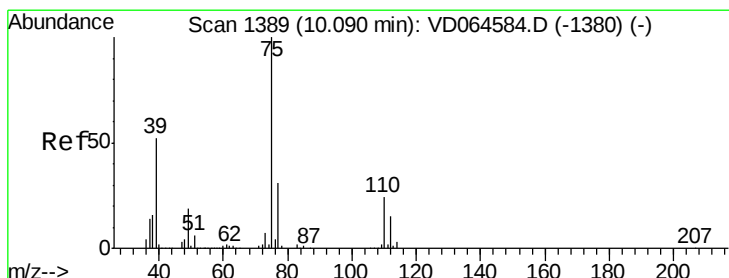
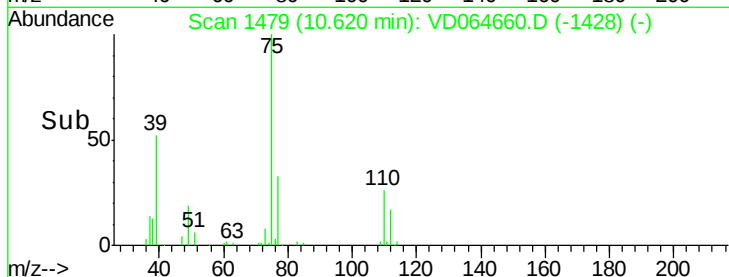
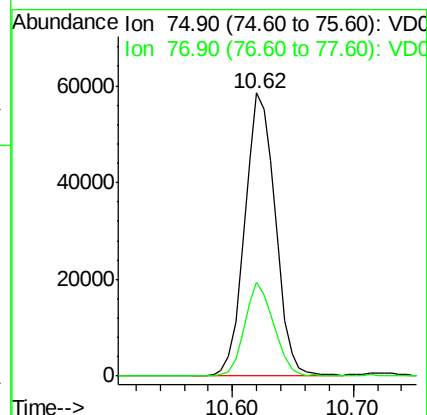
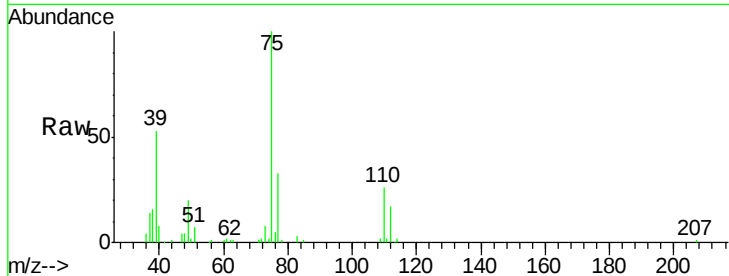
VD1227SBS02

Tgt Ion: 75 Resp: 103769

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.516 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

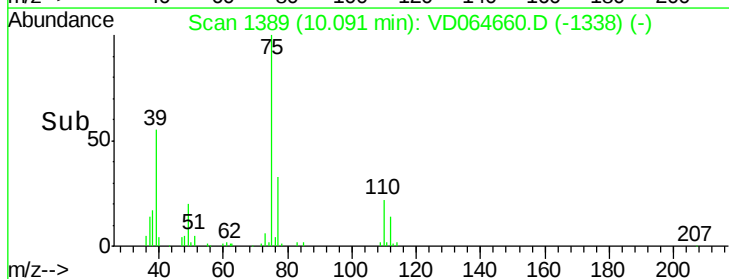
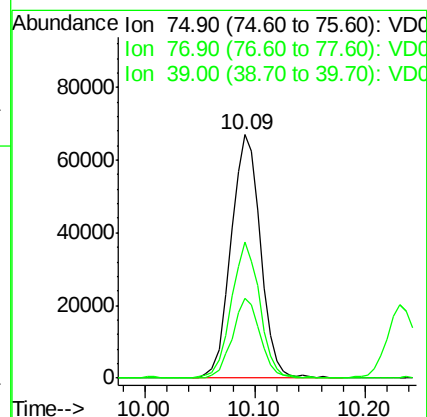
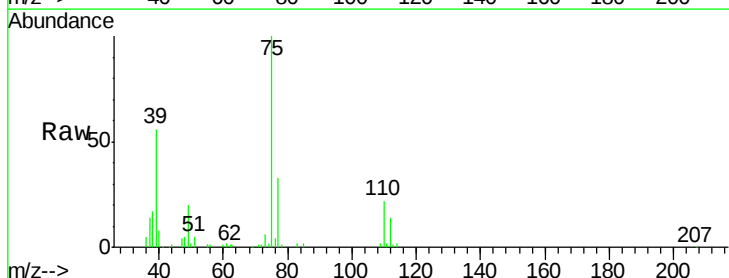
Tgt Ion: 75 Resp: 125378

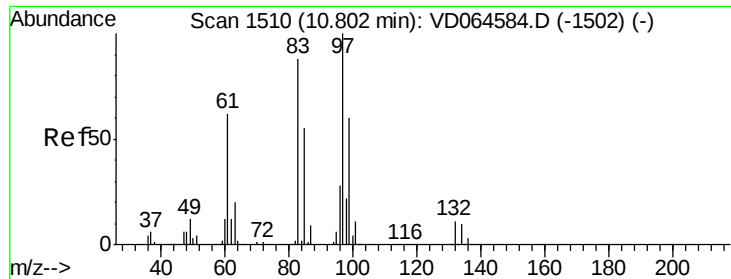
Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

39 55.4 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 22.425 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tgt Ion: 97 Resp: 60202

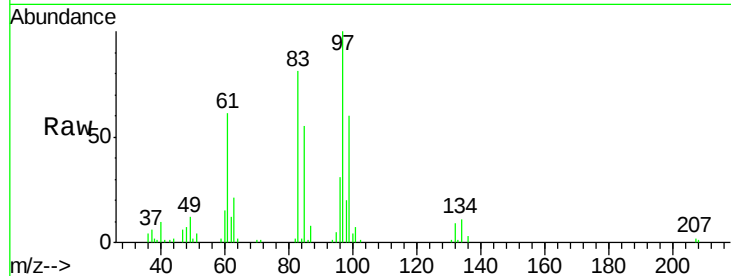
Ion Ratio Lower Upper

97 100

83 81.0 70.2 105.4

85 54.6 44.0 66.0

99 59.7 47.8 71.6

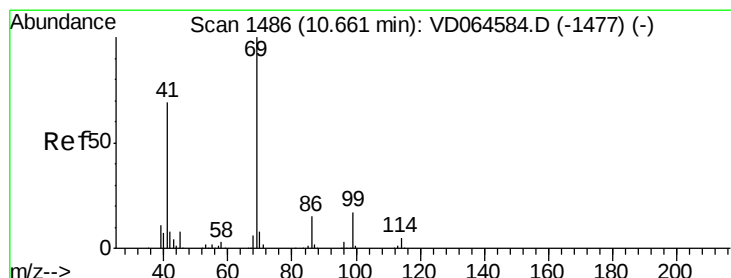
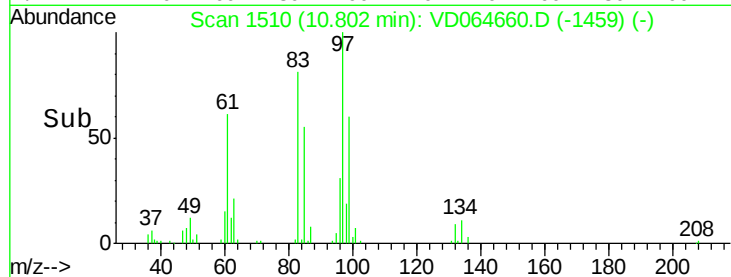
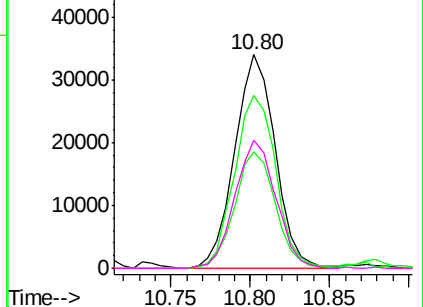


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 21.182 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

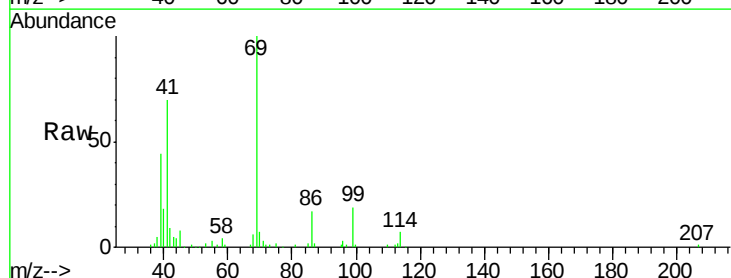
Tgt Ion: 69 Resp: 71018

Ion Ratio Lower Upper

69 100

41 68.8 55.3 82.9

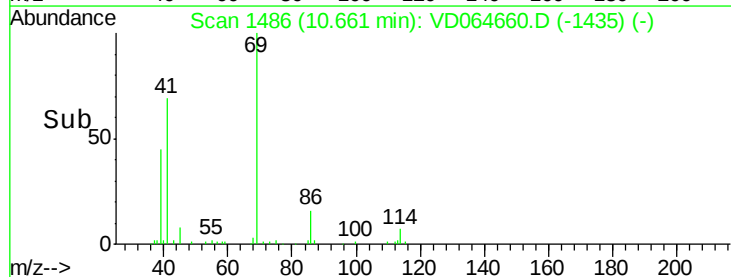
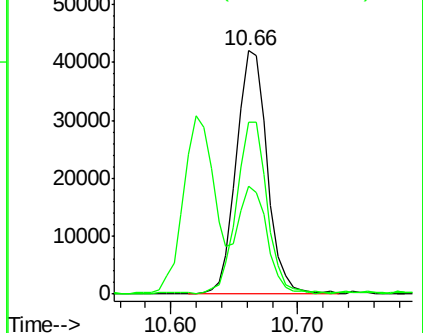
39 42.7 33.8 50.8

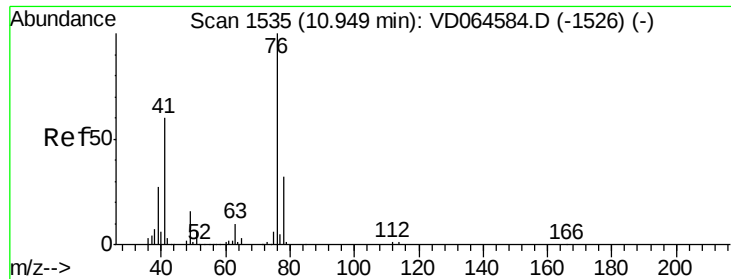


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

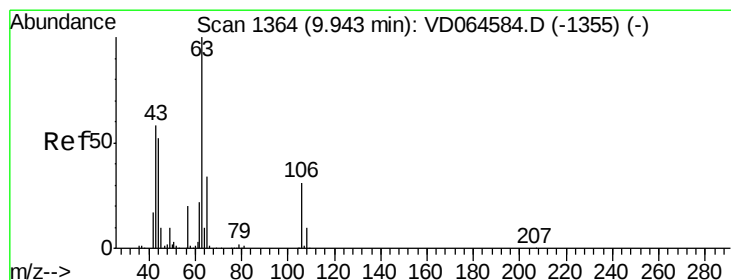
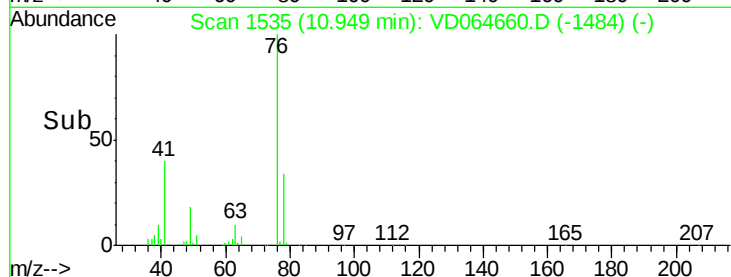
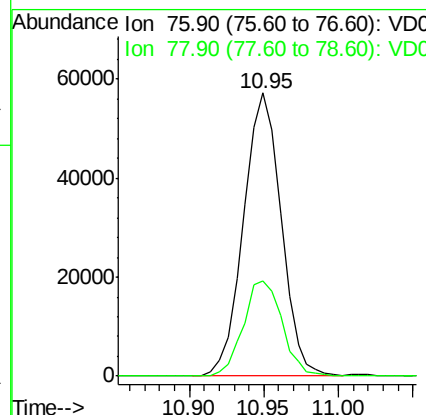
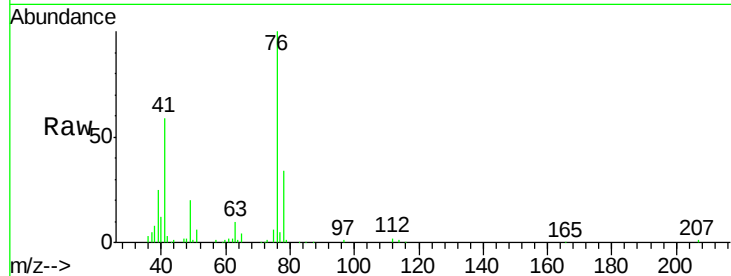




#57
 1,3-Dichloropropane
 Concen: 21.664 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

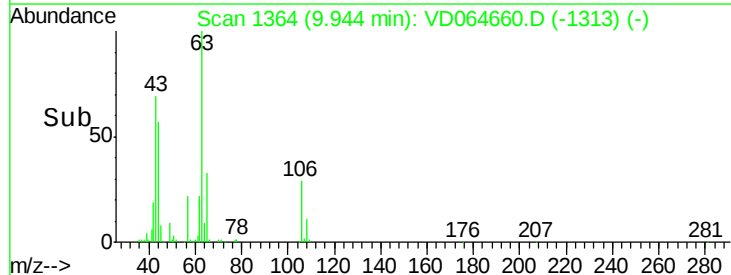
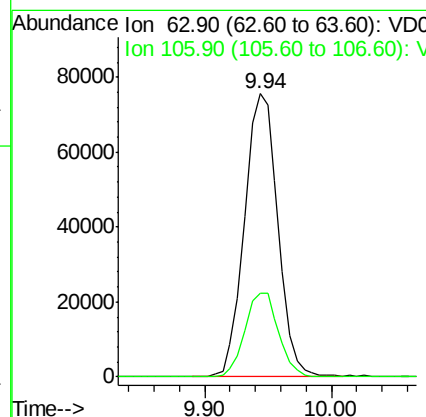
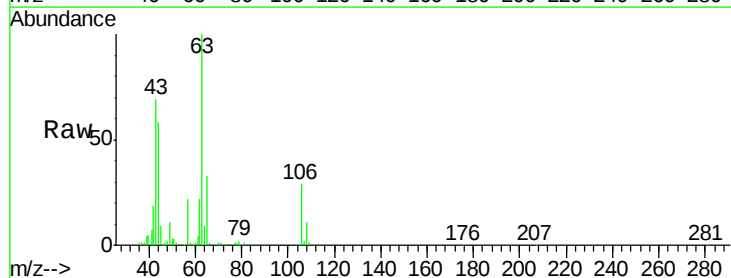
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

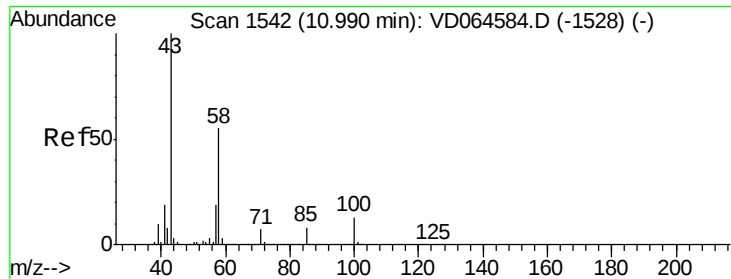
Tgt Ion: 76 Resp: 100135
 Ion Ratio Lower Upper
 76 100
 78 34.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.204 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 63 Resp: 138213
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.8 35.8

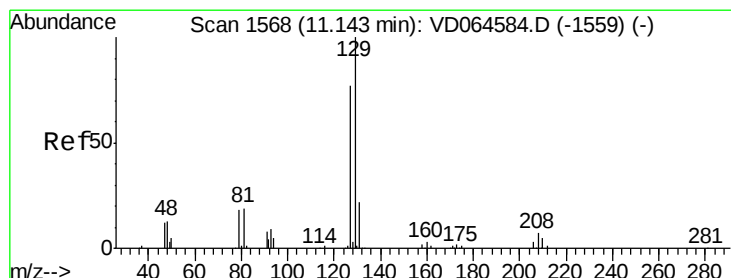
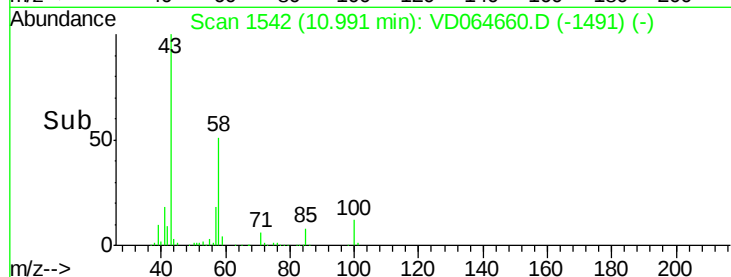
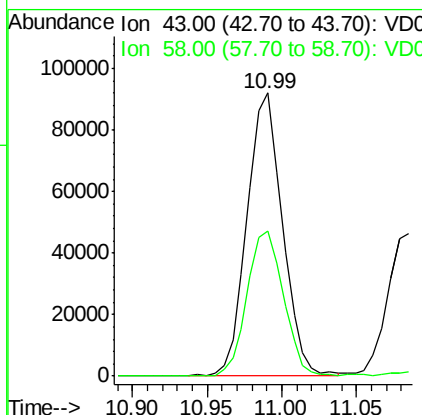
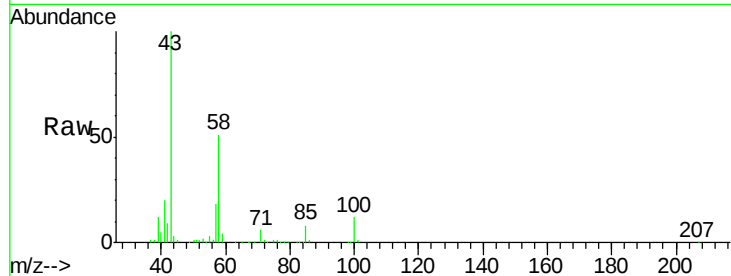




#59
2-Hexanone
Concen: 105.453 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

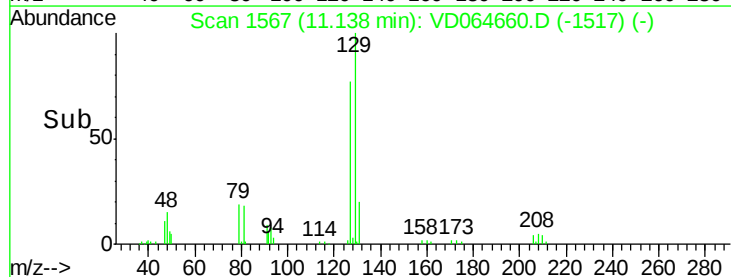
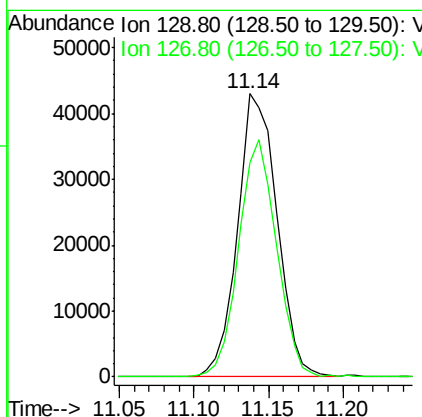
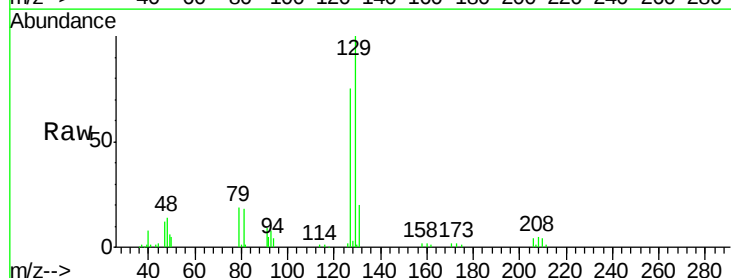
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

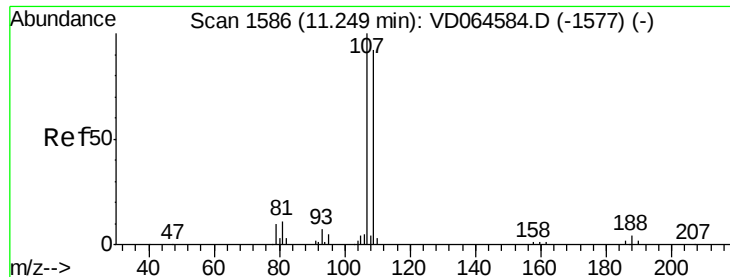
Tgt Ion: 43 Resp: 151635
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 21.258 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 129 Resp: 78918
Ion Ratio Lower Upper
129 100
127 80.2 38.4 115.2

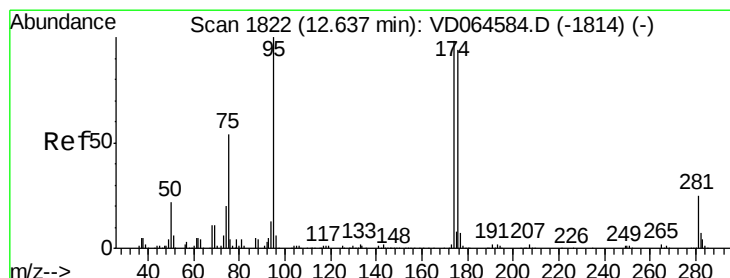
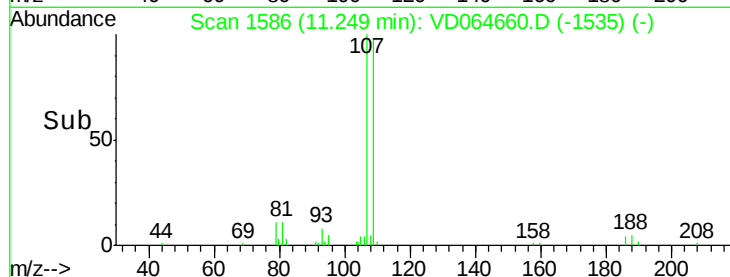
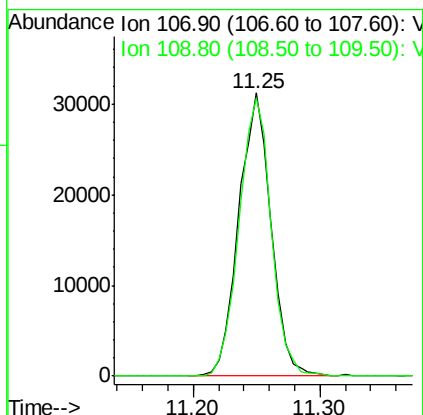
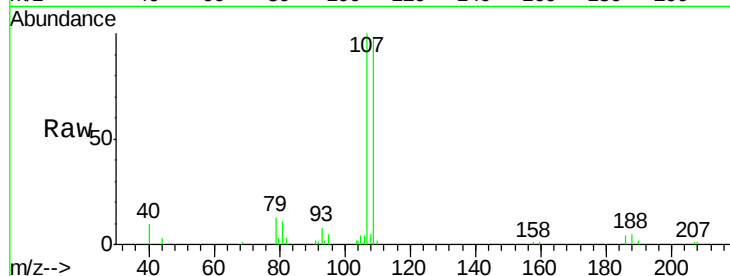




#61
 1,2-Dibromoethane
 Concen: 20.723 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

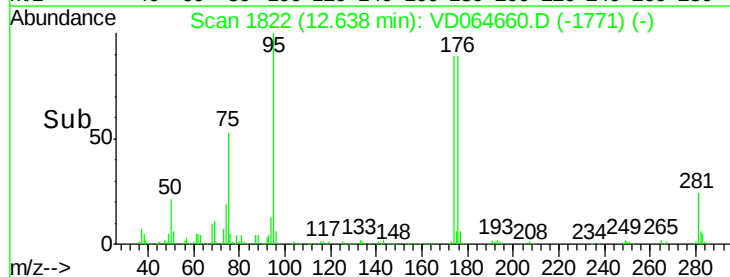
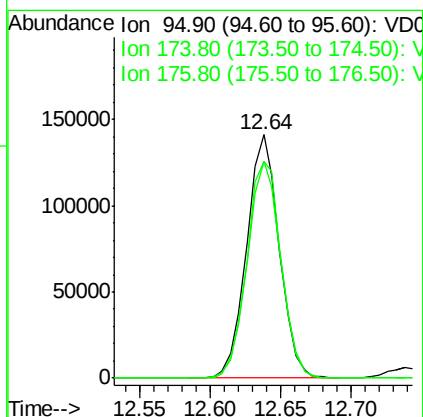
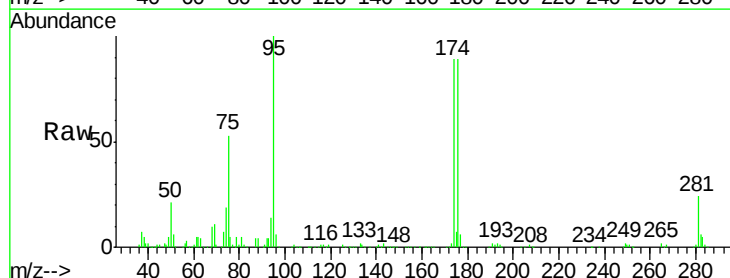
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

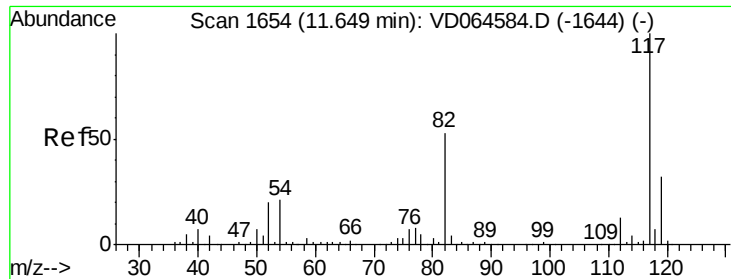
Tgt Ion: 107 Resp: 54871
 Ion Ratio Lower Upper
 107 100
 109 98.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.853 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion: 95 Resp: 227878
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 193.2
 176 91.5 0.0 184.2

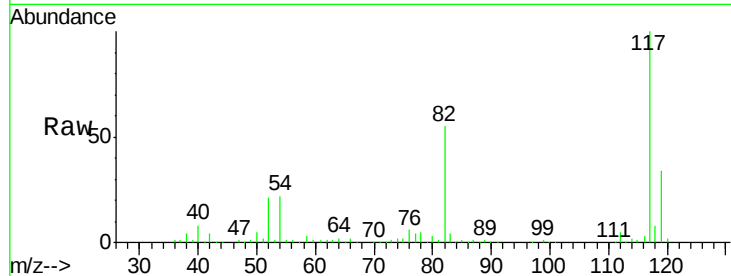




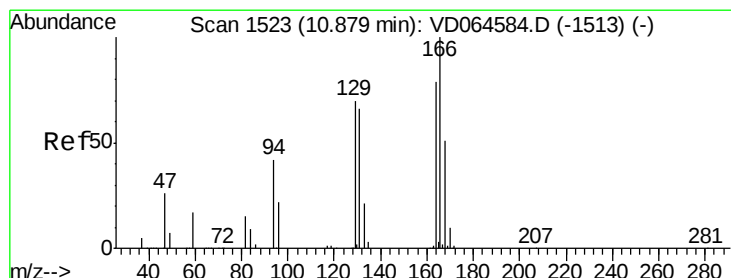
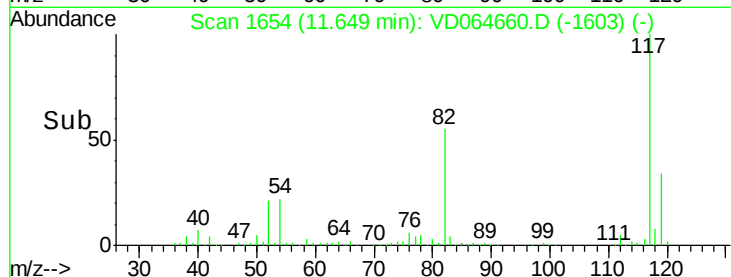
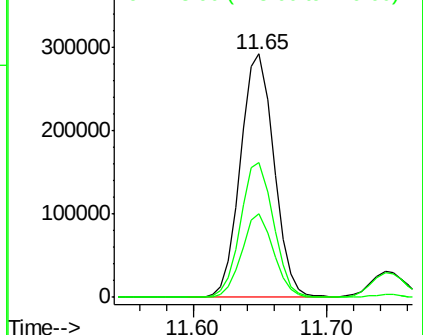
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

Tgt Ion:117 Resp: 507676
Ion Ratio Lower Upper
117 100
82 55.3 42.2 63.4
119 34.3 26.0 39.0

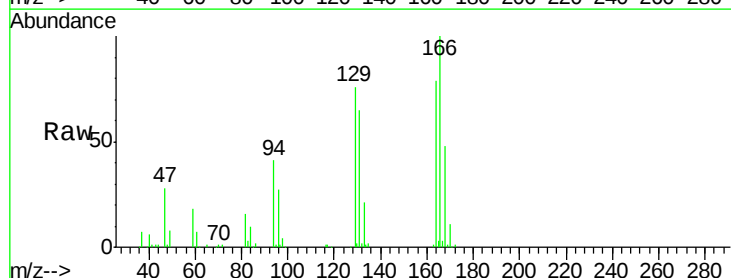


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

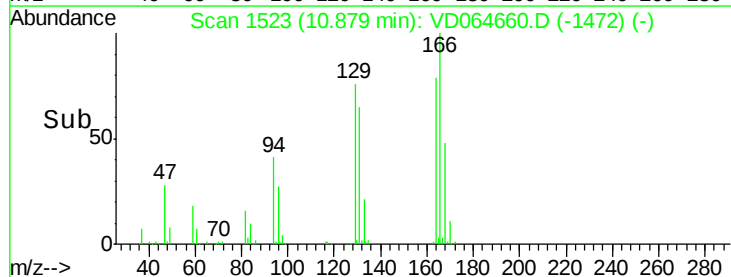
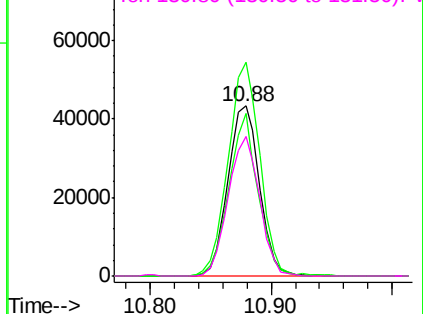


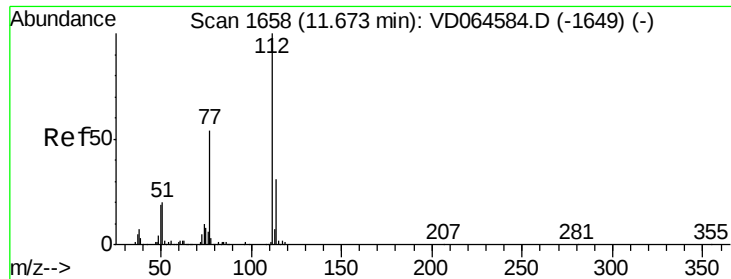
#64
Tetrachloroethene
Concen: 20.261 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion:164 Resp: 78912
Ion Ratio Lower Upper
164 100
166 125.8 101.3 151.9
129 96.0 70.5 105.7
131 82.2 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

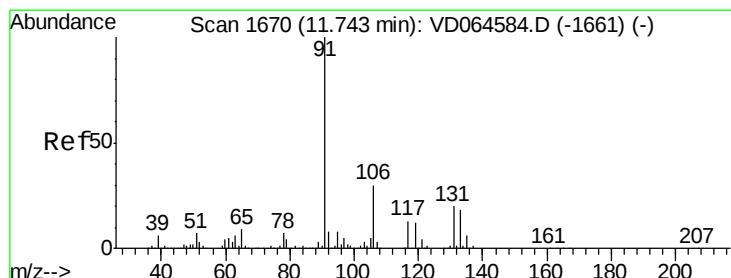
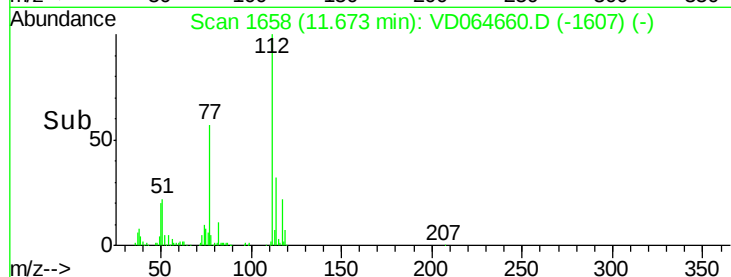
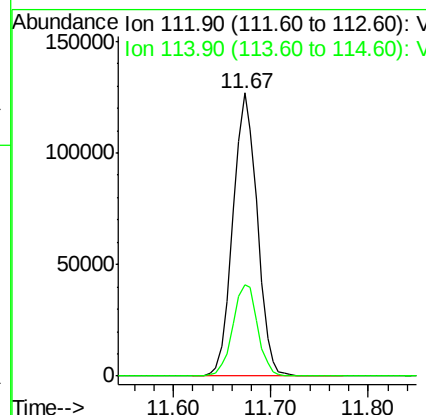
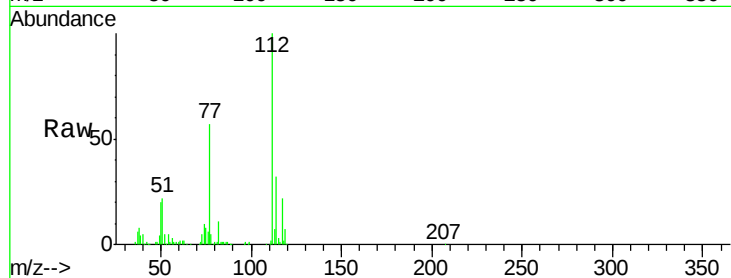




#65
Chlorobenzene
Concen: 20.828 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

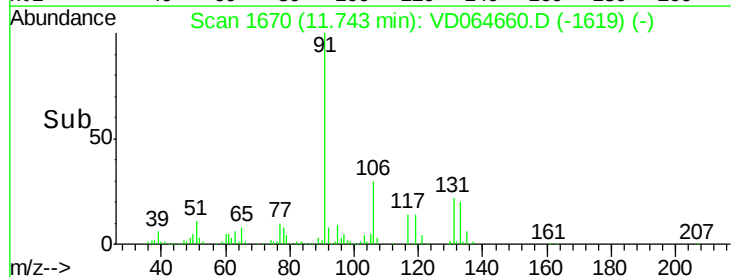
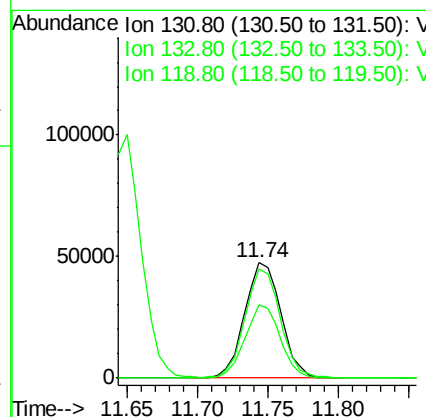
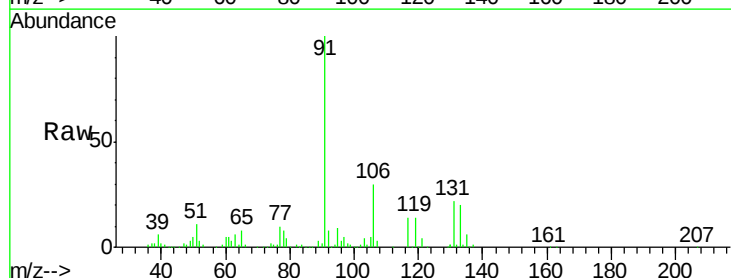
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

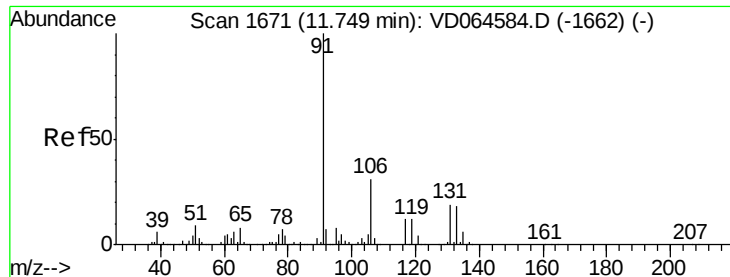
Tgt Ion:112 Resp: 219455
Ion Ratio Lower Upper
112 100
114 32.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.523 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion:131 Resp: 85493
Ion Ratio Lower Upper
131 100
133 93.0 48.3 144.8
119 62.1 32.1 96.3





#67

Ethyl Benzene

Concen: 19.952 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

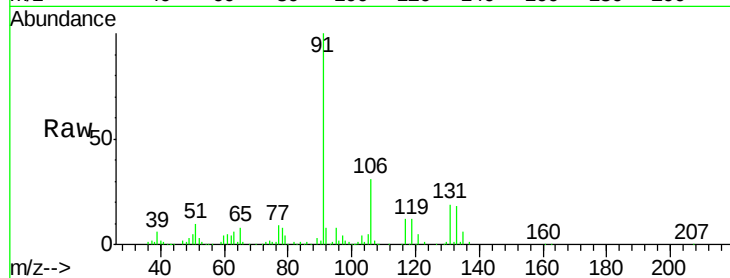
VD1227SBS02

Tgt Ion: 91 Resp: 381573

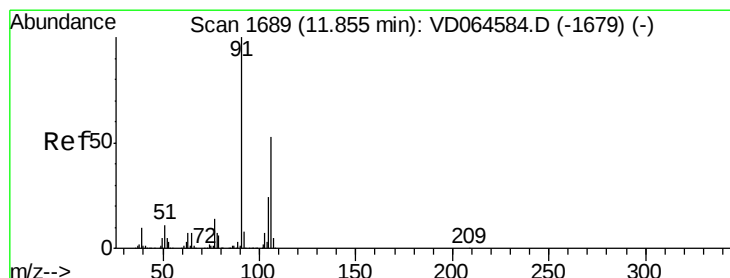
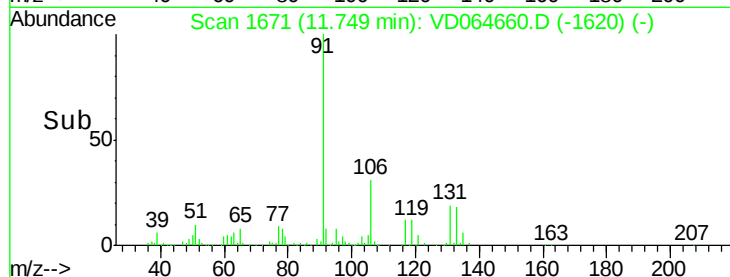
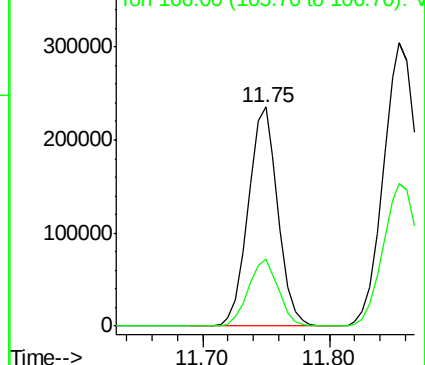
Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.258 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064660.D

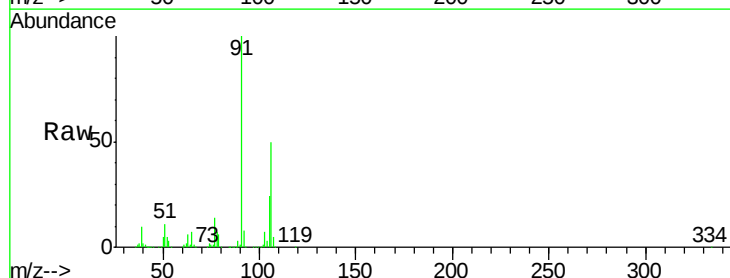
Acq: 28 Dec 2019 00:21

Tgt Ion: 106 Resp: 297174

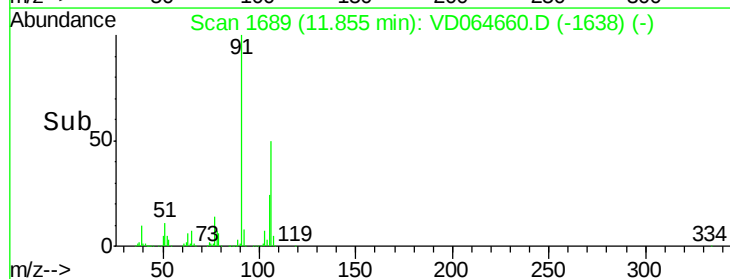
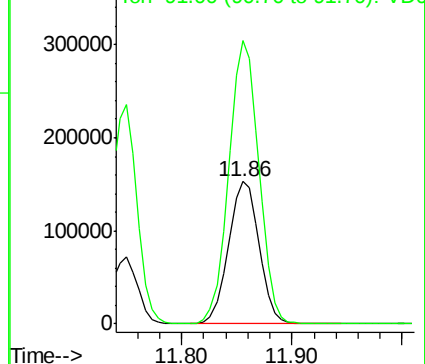
Ion Ratio Lower Upper

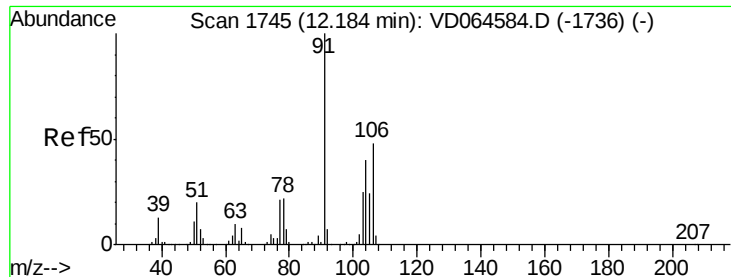
106 100

91 195.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

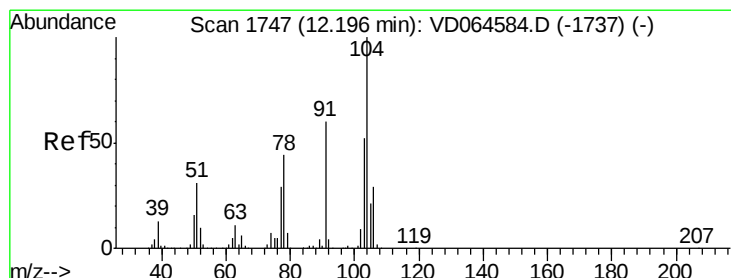
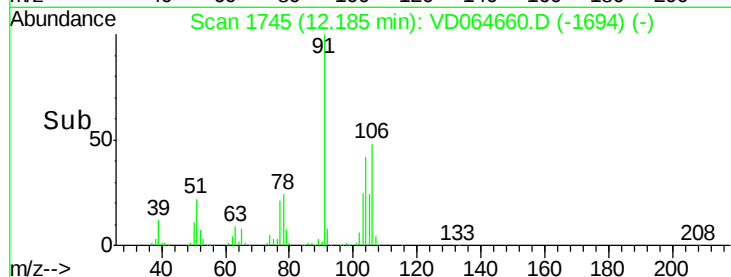
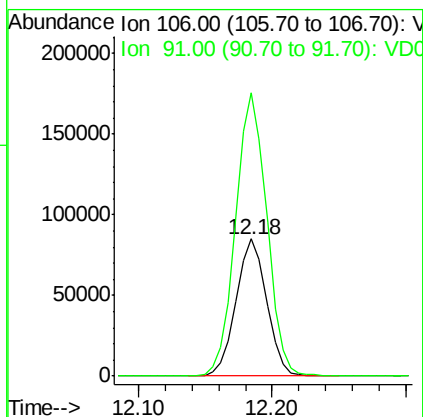
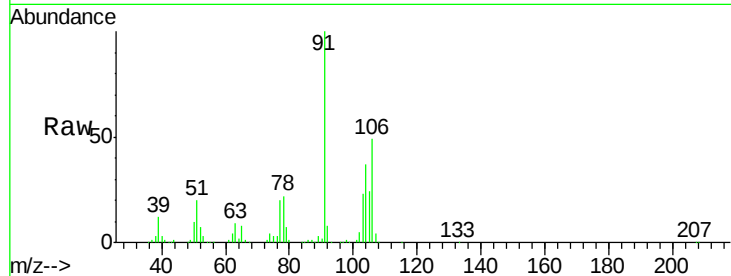




#69
o-Xylene
Concen: 20.381 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

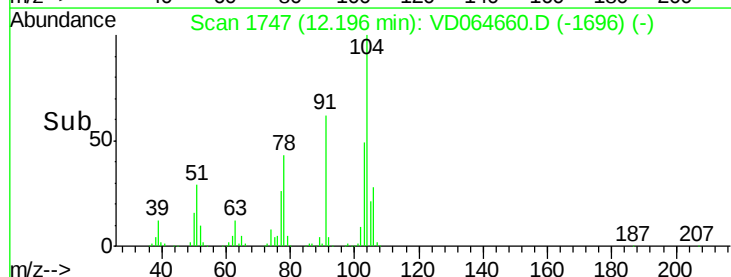
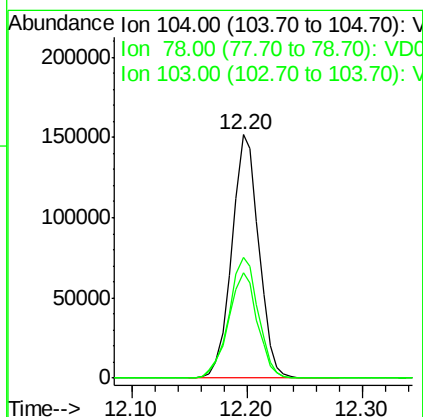
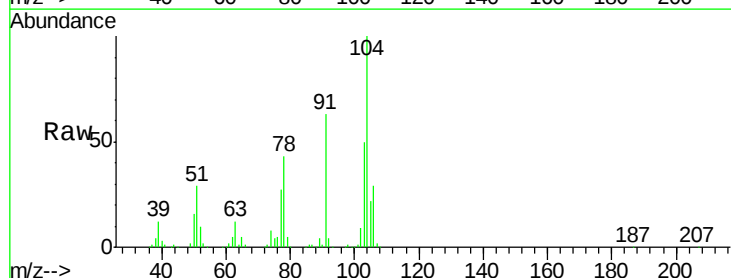
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

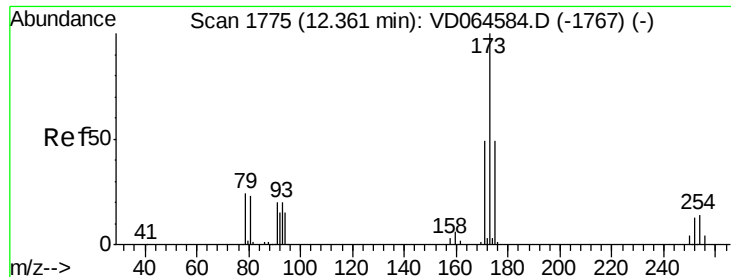
Tgt Ion:106 Resp: 135893
Ion Ratio Lower Upper
106 100
91 209.7 104.8 314.4



#70
Styrene
Concen: 20.984 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion:104 Resp: 245582
Ion Ratio Lower Upper
104 100
78 47.0 38.2 57.2
103 53.7 44.6 67.0





#71

Bromoform

Concen: 21.436 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD02

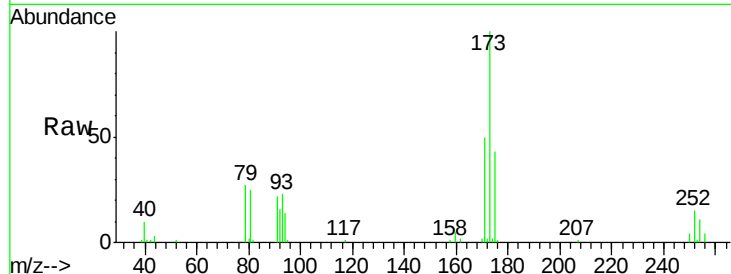
Tgt Ion:173 Resp: 48557

Ion Ratio Lower Upper

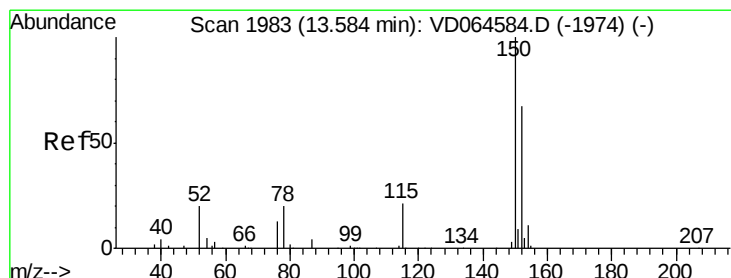
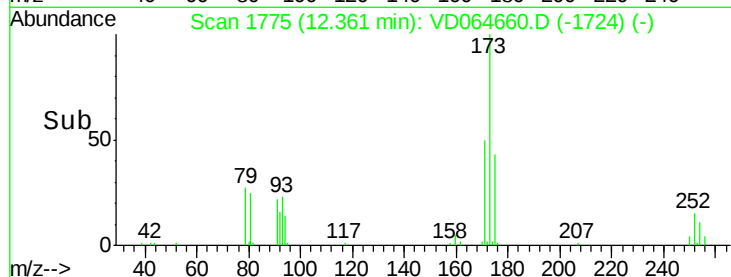
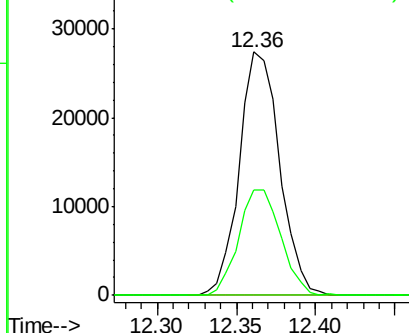
173 100

175 45.1 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: VD064660.D

Acq: 28 Dec 2019 00:21

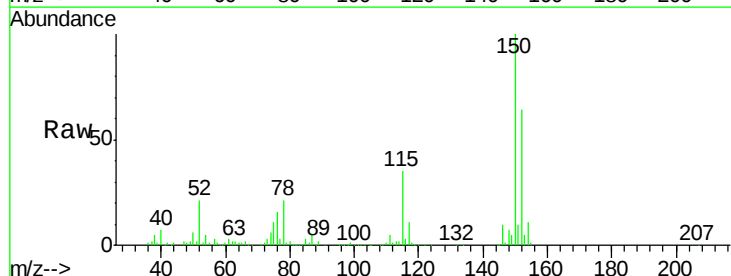
Tgt Ion:152 Resp: 257421

Ion Ratio Lower Upper

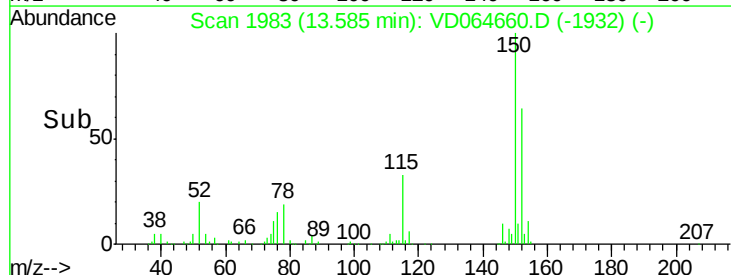
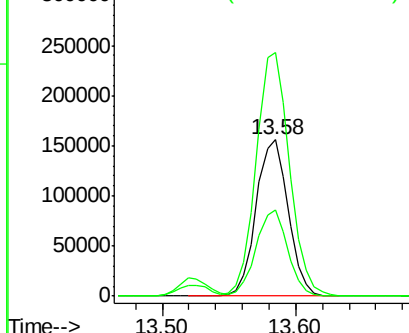
152 100

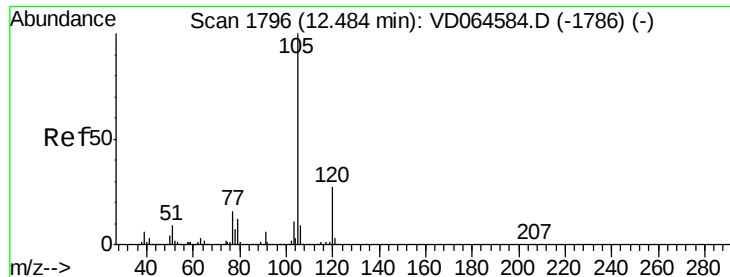
115 54.5 27.8 83.4

150 162.6 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: 19.680 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

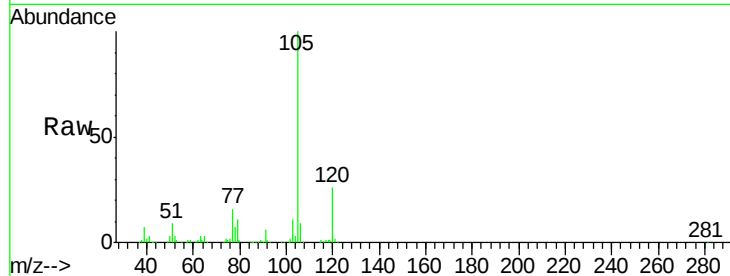
VD1227SBSD02

Tgt Ion: 105 Resp: 362038

Ion Ratio Lower Upper

105 100

120 25.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

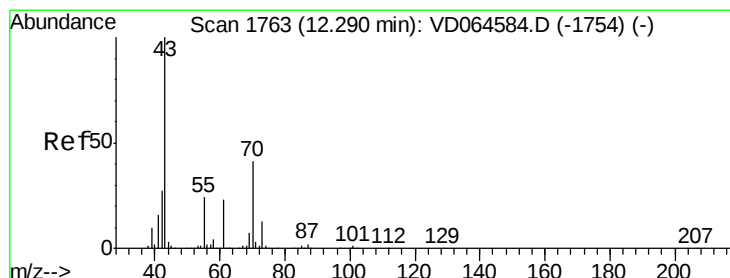
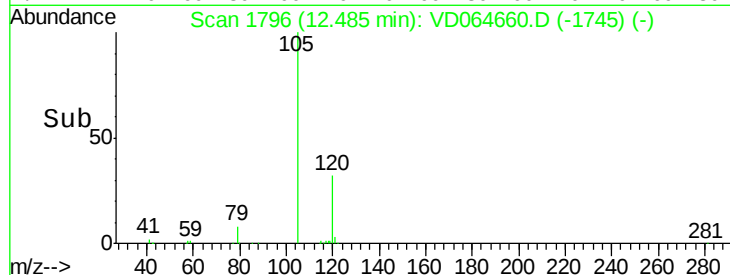
150000

100000

50000

0

Time--> 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 19.662 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Tgt Ion: 43 Resp: 77320

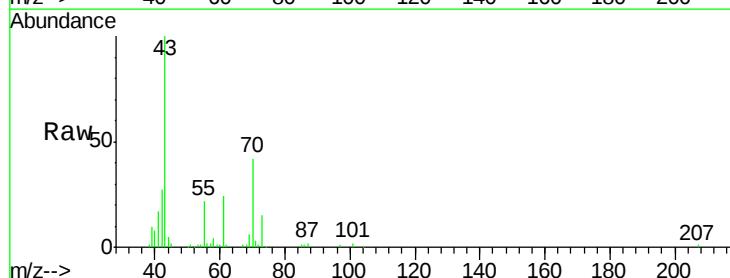
Ion Ratio Lower Upper

43 100

70 43.2 33.4 50.0

55 24.4 19.4 29.0

61 25.2 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

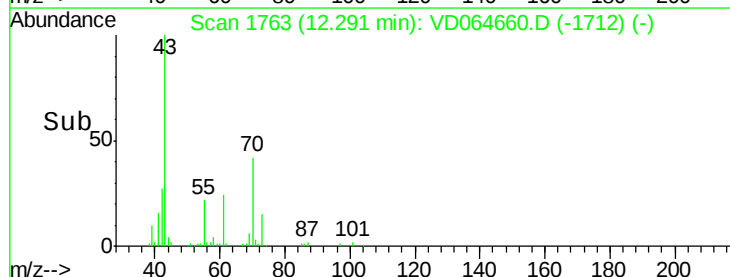
60000

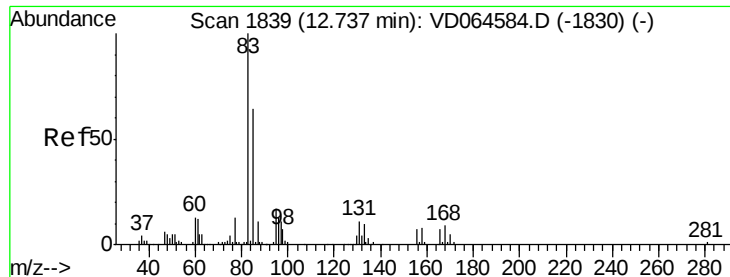
40000

20000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.262 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD02

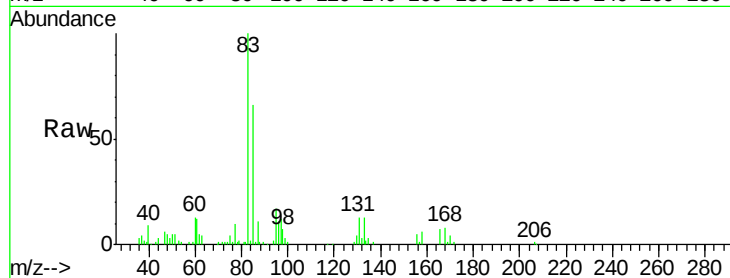
Tgt Ion: 83 Resp: 61443

Ion Ratio Lower Upper

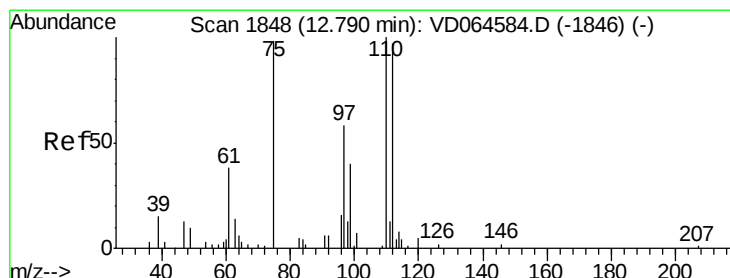
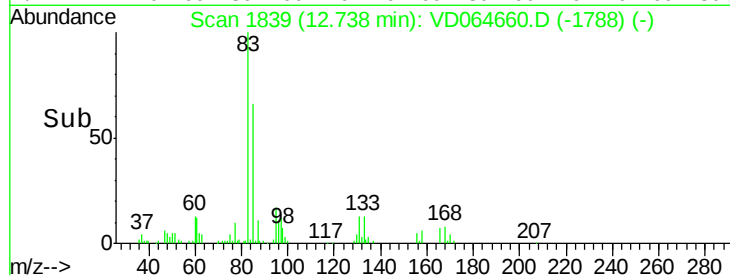
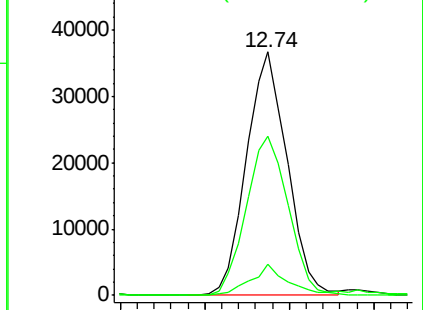
83 100

131 11.6 5.8 17.4

85 67.3 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: 39.600 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064660.D

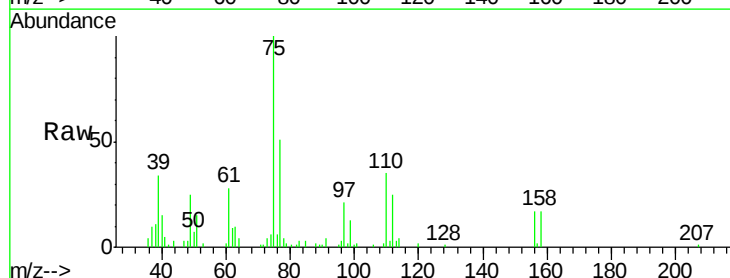
Acq: 28 Dec 2019 00:21

Tgt Ion: 75 Resp: 80497

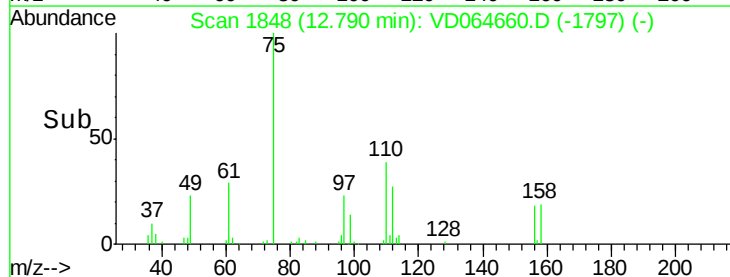
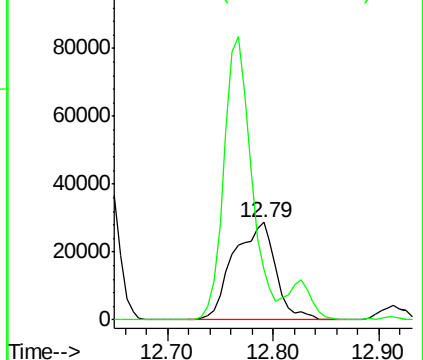
Ion Ratio Lower Upper

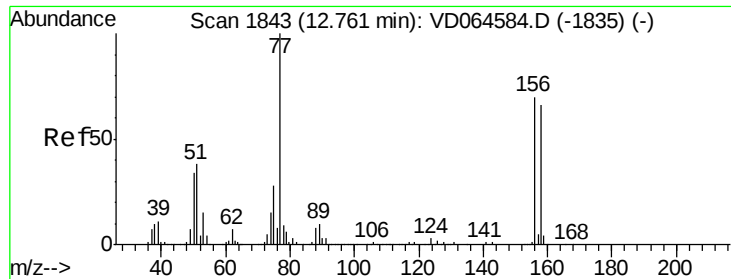
75 100

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: 20.481 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBSD02

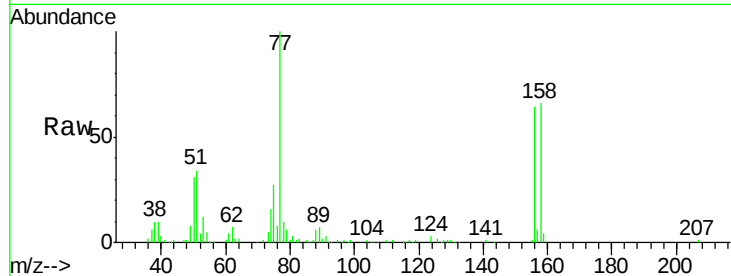
Tgt Ion:156 Resp: 92578

Ion Ratio Lower Upper

156 100

77 162.7 80.9 242.7

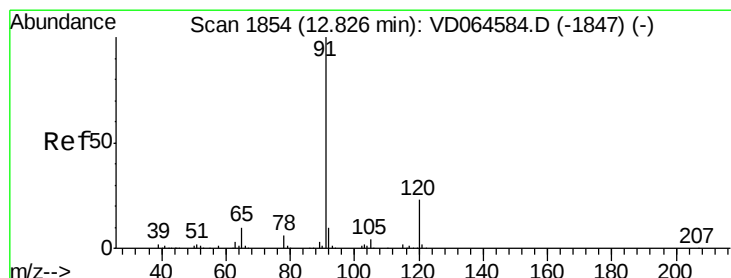
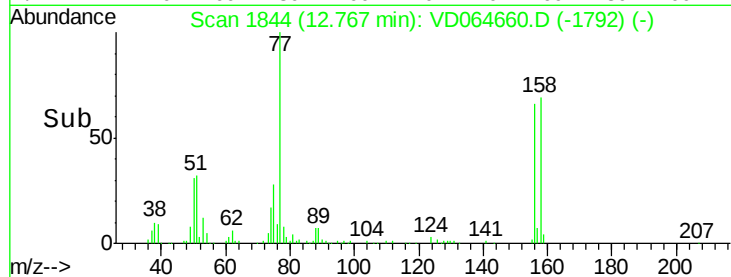
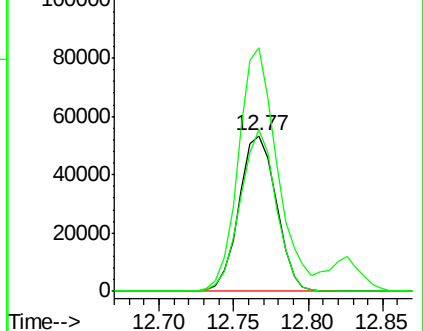
158 99.3 48.0 144.2



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: 19.657 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064660.D

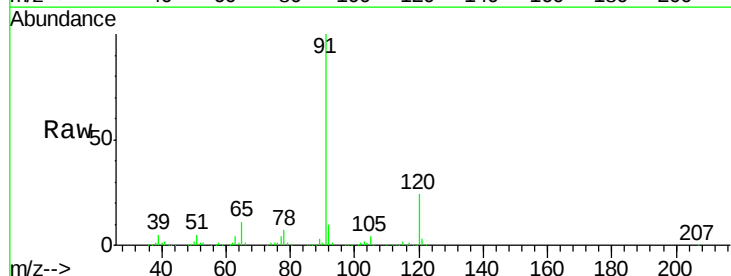
Acq: 28 Dec 2019 00:21

Tgt Ion: 91 Resp: 421856

Ion Ratio Lower Upper

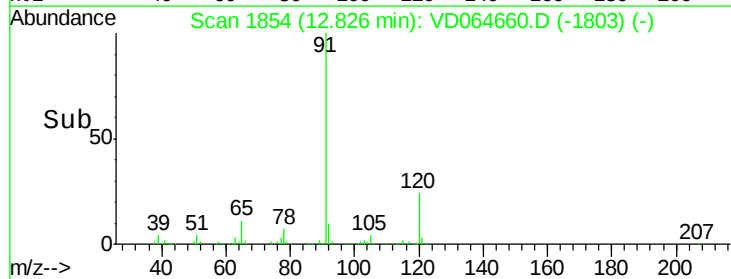
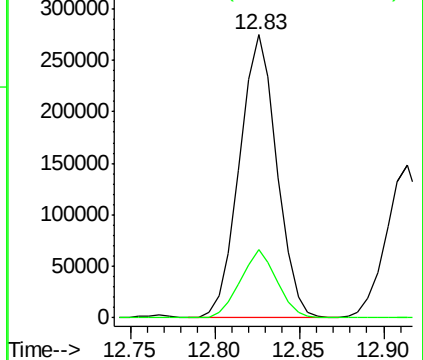
91 100

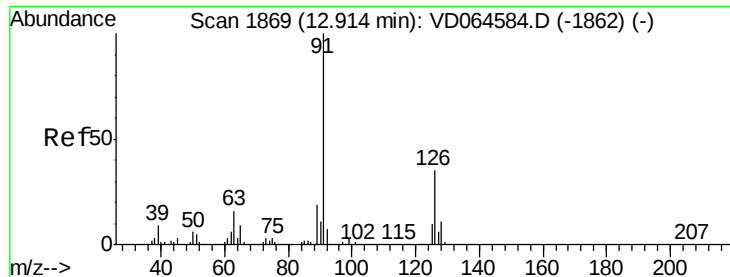
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.253 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

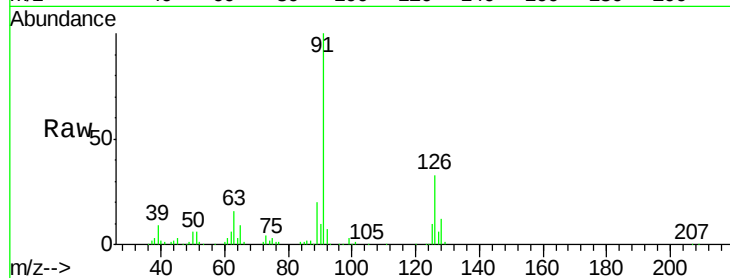
VD1227SBSD02

Tgt Ion: 91 Resp: 238766

Ion Ratio Lower Upper

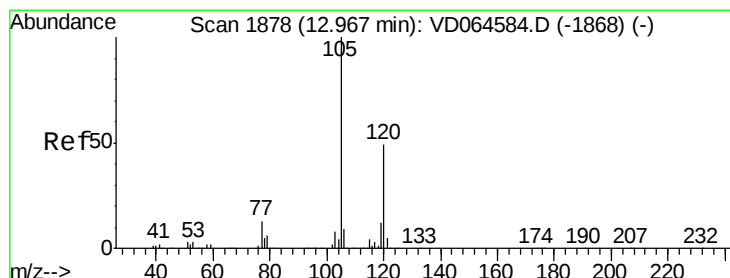
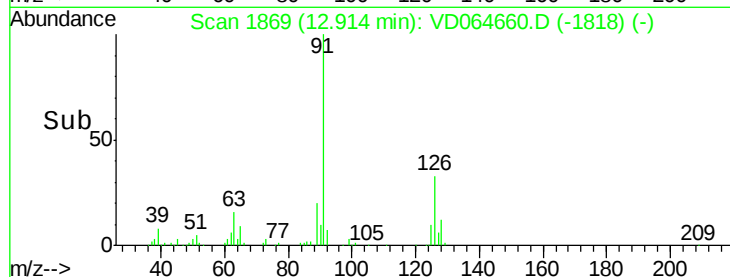
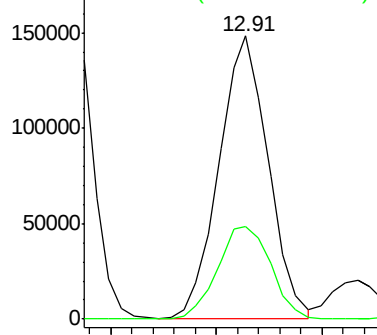
91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.909 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064660.D

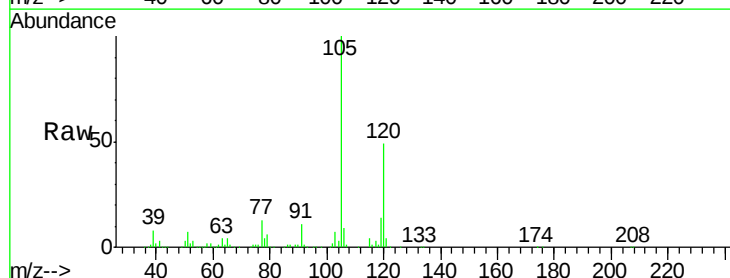
Acq: 28 Dec 2019 00:21

Tgt Ion: 105 Resp: 300851

Ion Ratio Lower Upper

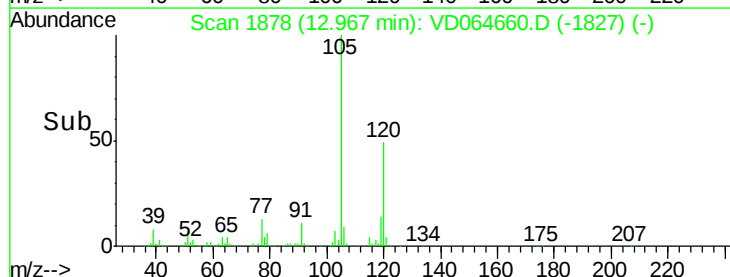
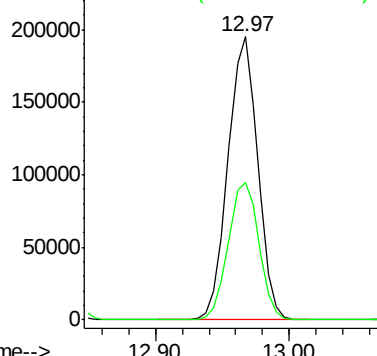
105 100

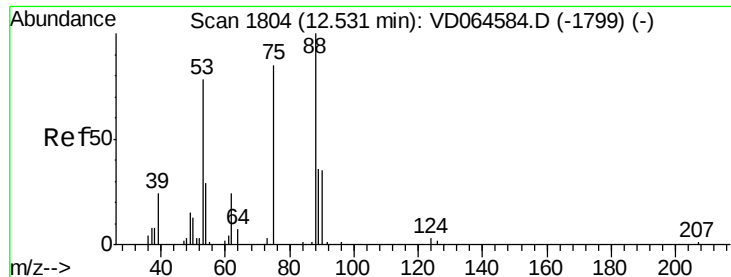
120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.574 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

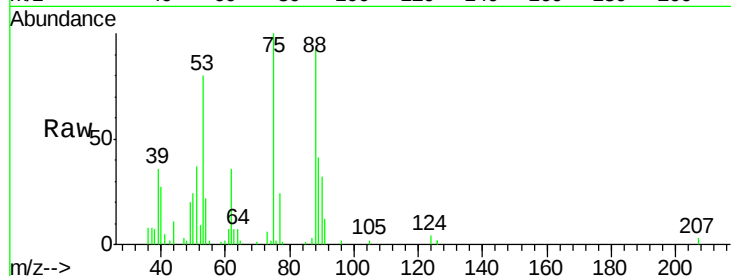
Tgt Ion: 75 Resp: 19996

Ion Ratio Lower Upper

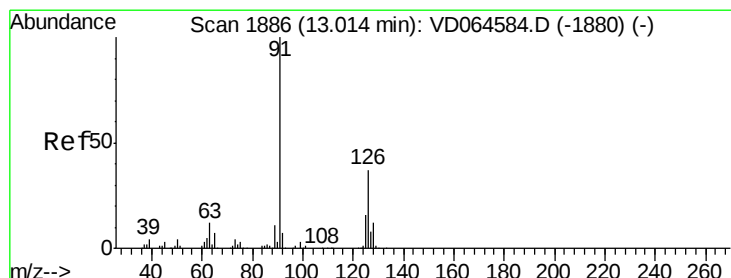
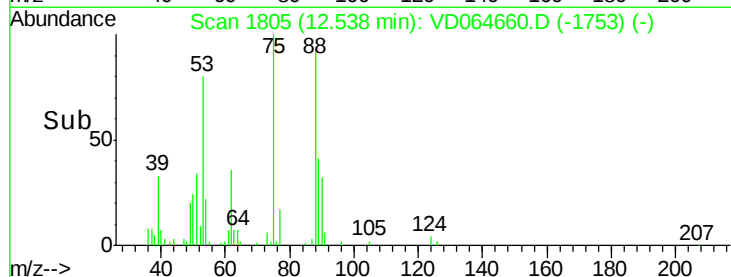
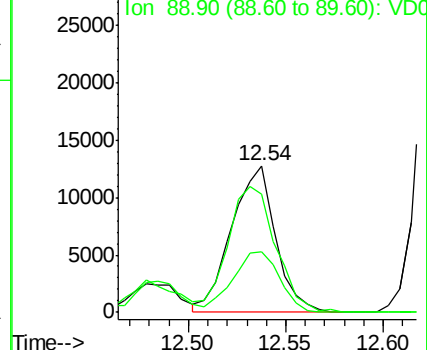
75 100

53 94.0 78.8 118.2

89 43.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.256 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064660.D

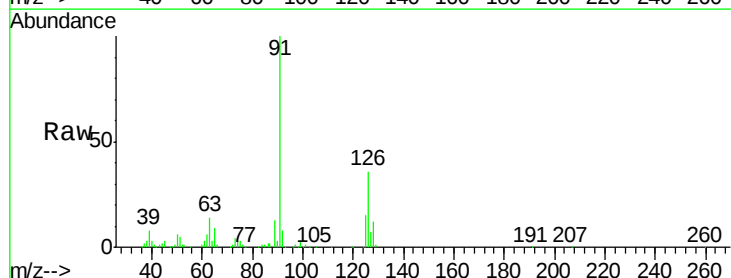
Acq: 28 Dec 2019 00:21

Tgt Ion: 91 Resp: 254132

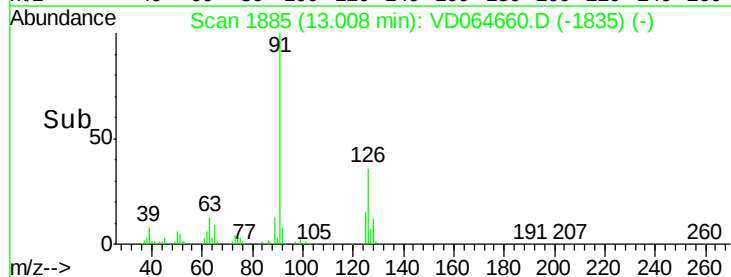
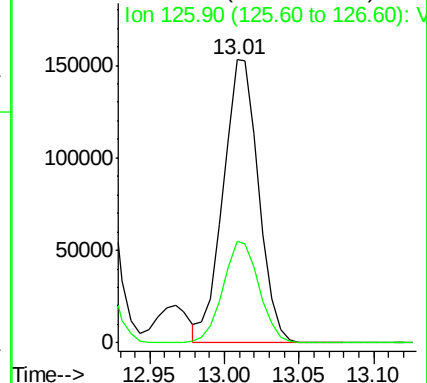
Ion Ratio Lower Upper

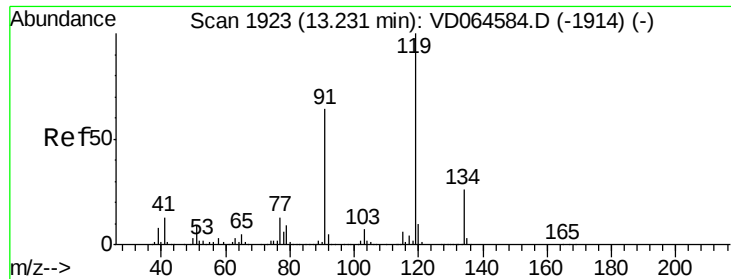
91 100

126 36.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

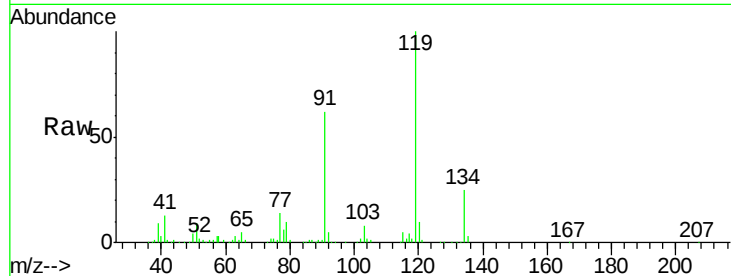




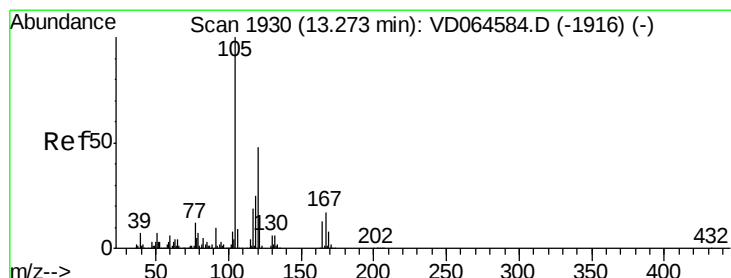
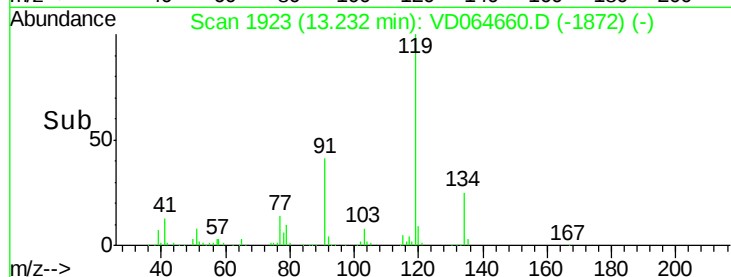
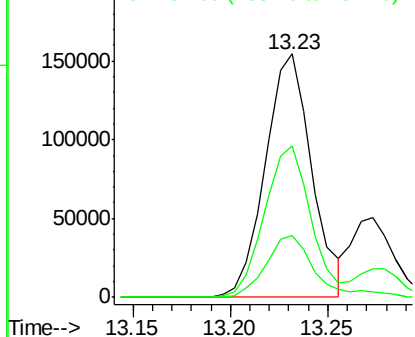
#83
 tert-Butylbenzene
 Concen: 19.471 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

Tgt Ion:119 Resp: 255474
 Ion Ratio Lower Upper
 119 100
 91 61.4 30.8 92.4
 134 27.0 12.8 38.3

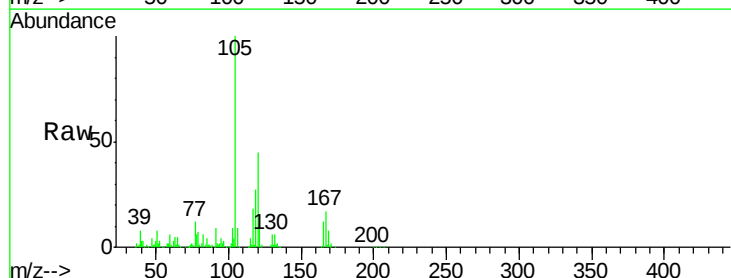


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

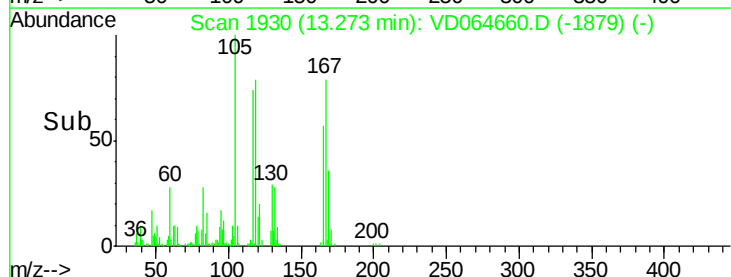
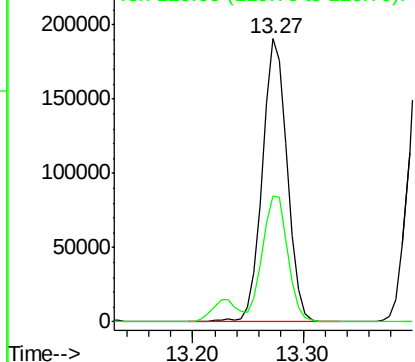


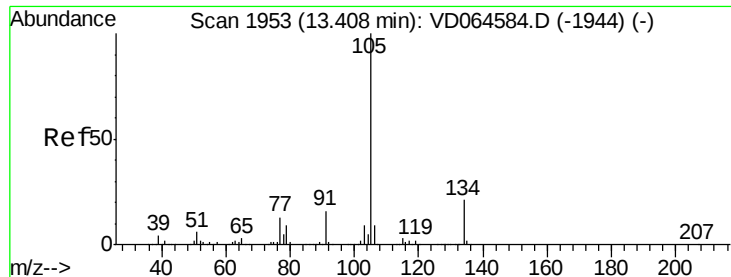
#84
 1,2,4-Trimethylbenzene
 Concen: 19.969 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion:105 Resp: 300526
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.8 71.2



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

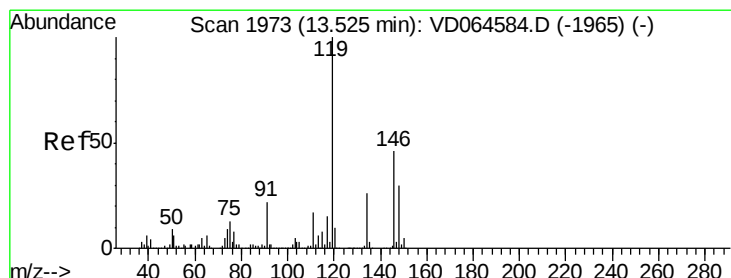
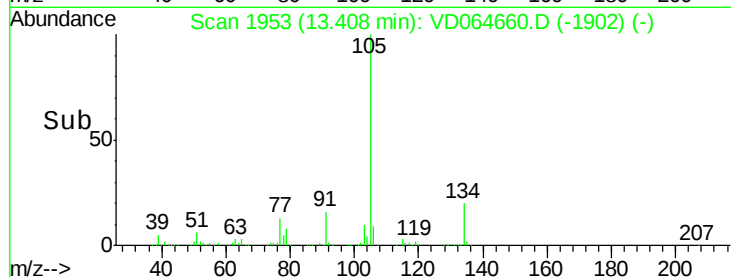
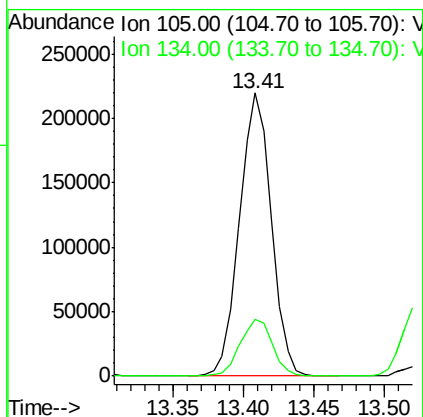
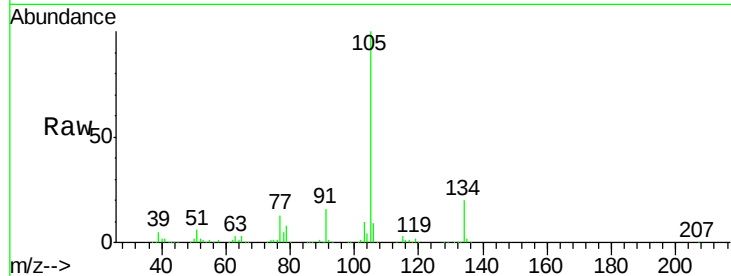




#85
 sec-Butylbenzene
 Concen: 19.196 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

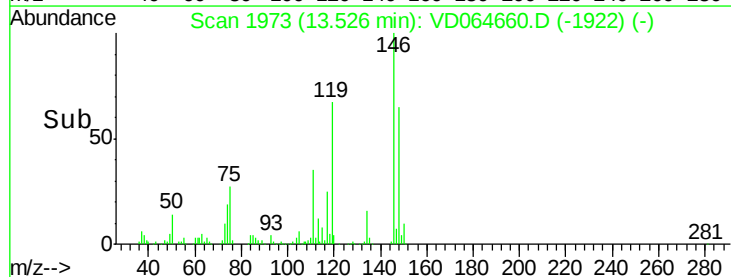
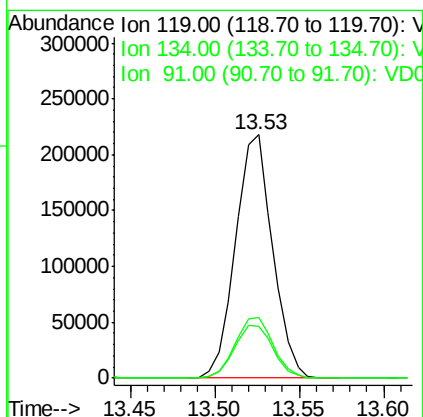
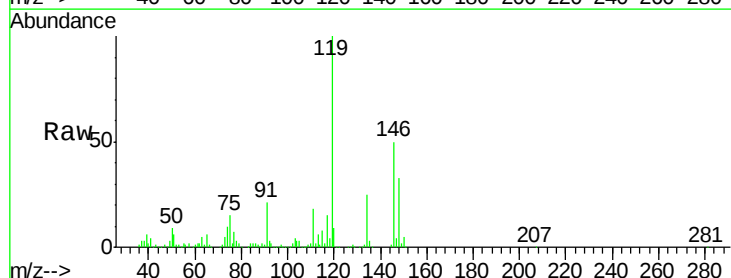
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

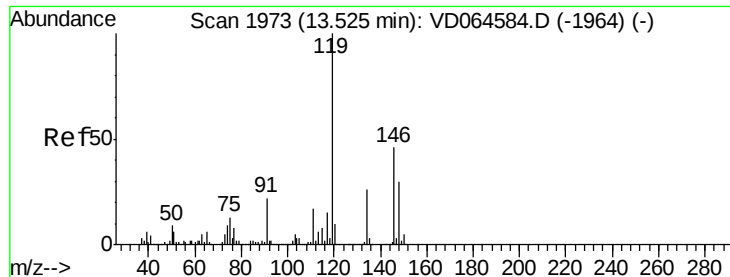
Tgt Ion:105 Resp: 345286
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 19.337 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion:119 Resp: 332576
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.4 40.1
 91 22.7 11.2 33.6

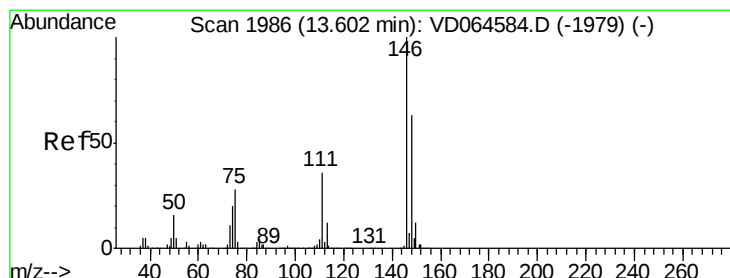
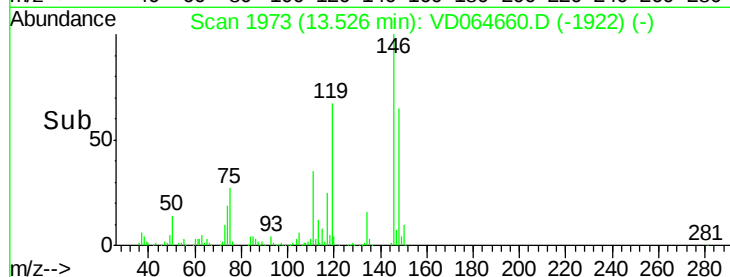
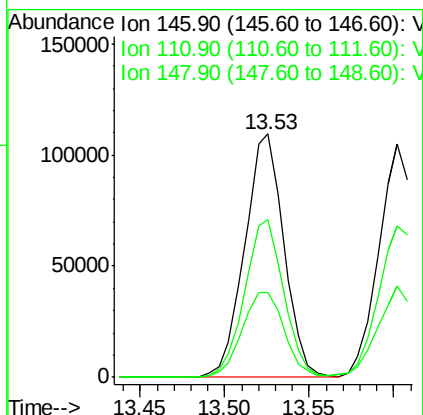
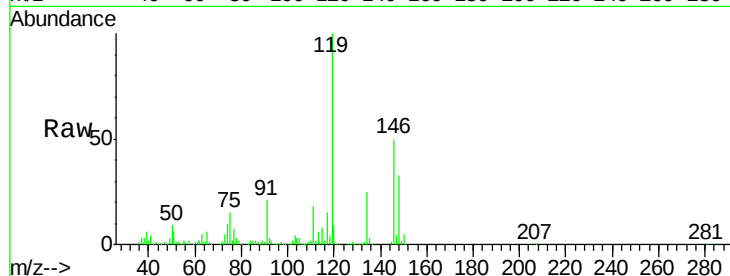




#87
 1,3-Dichlorobenzene
 Concen: 20.504 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

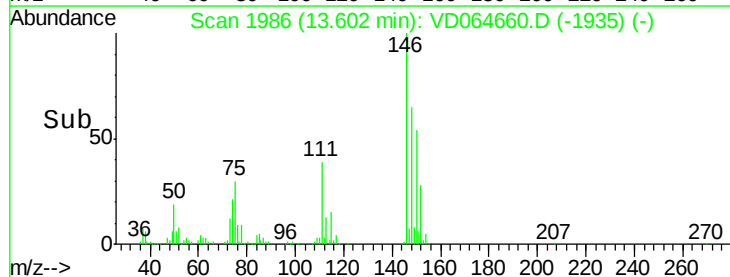
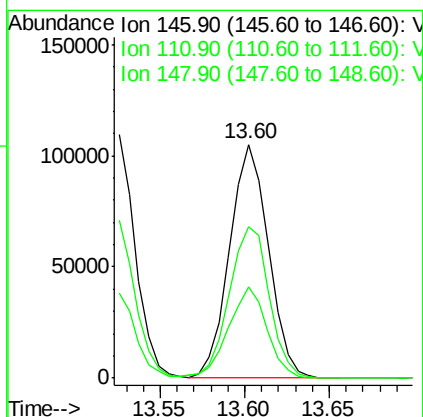
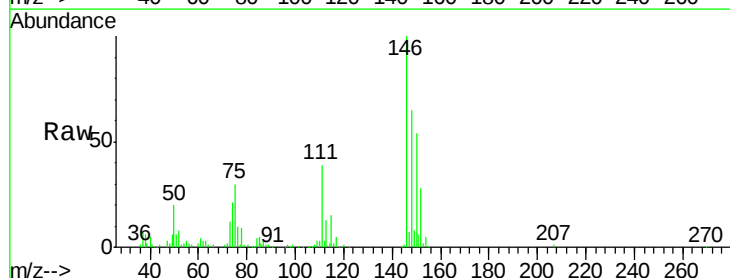
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

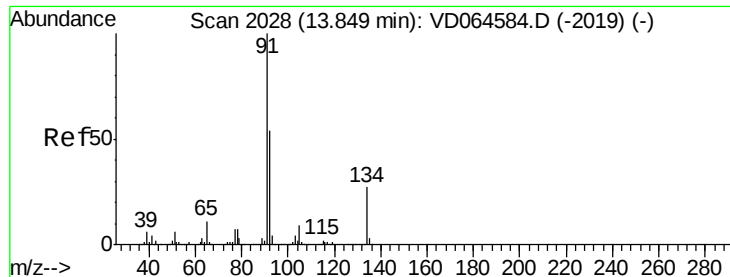
Tgt Ion:146 Resp: 176682
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.4
 148 64.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.895 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion:146 Resp: 168407
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.1 54.1
 148 67.0 32.3 96.9

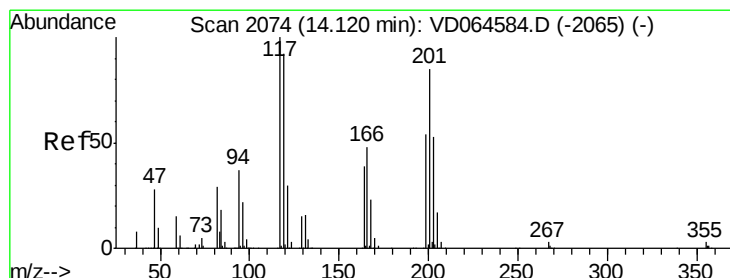
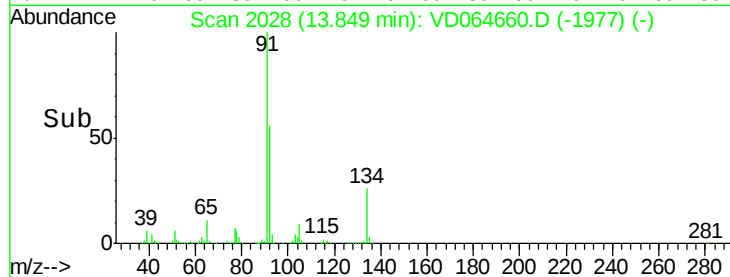
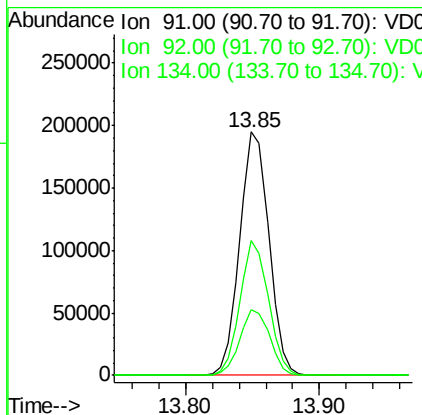
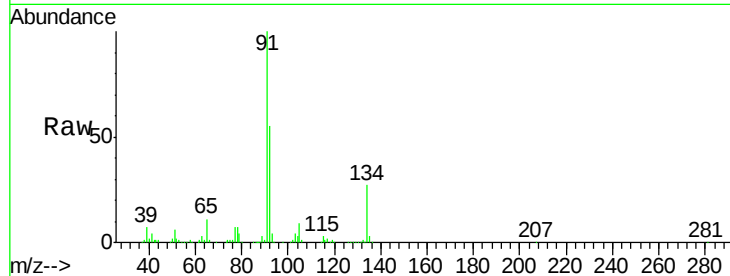




#89
n-Butylbenzene
Concen: 19.066 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

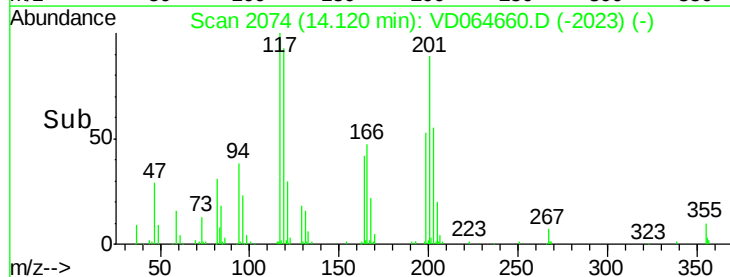
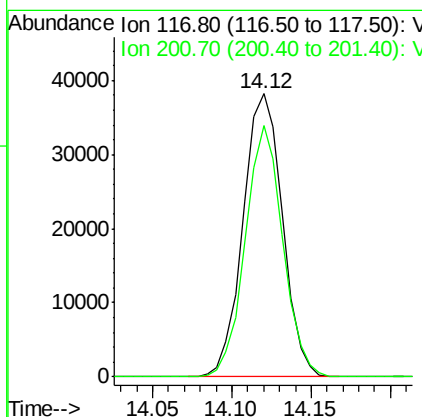
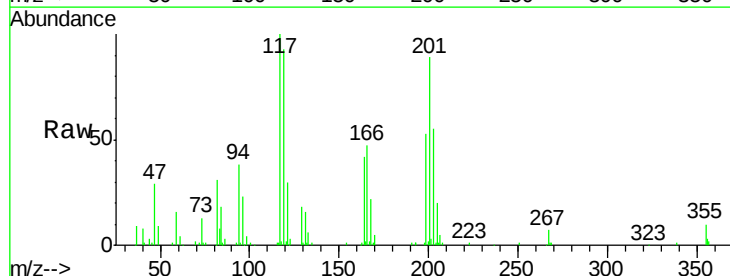
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

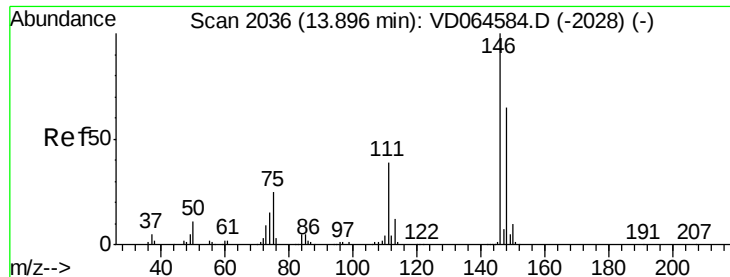
Tgt Ion: 91 Resp: 295305
Ion Ratio Lower Upper
91 100
92 53.9 26.8 80.4
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 20.074 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion: 117 Resp: 65952
Ion Ratio Lower Upper
117 100
201 84.5 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 20.586 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064660.D

Acq: 28 Dec 2019 00:21

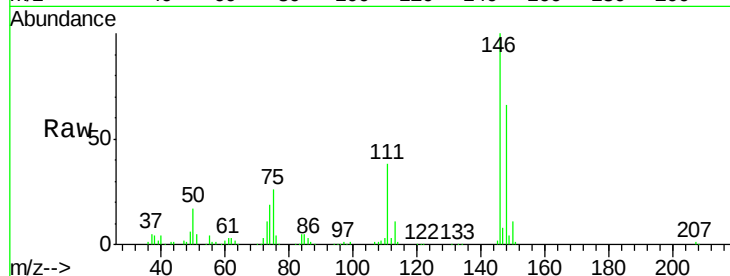
Instrument :

MSVOA_D

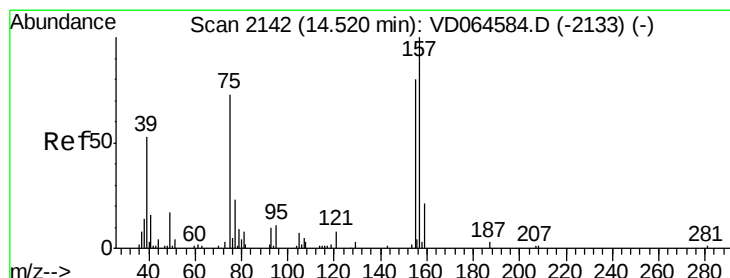
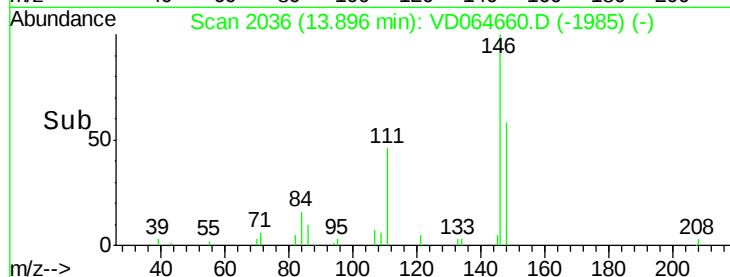
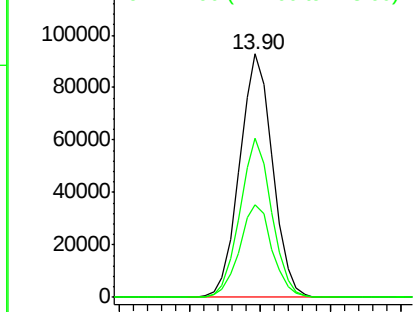
ClientSampleId :

VD1227SBSD02

Tgt Ion:	146	Resp:	151256
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	63.2	31.9	95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.961 ug/l

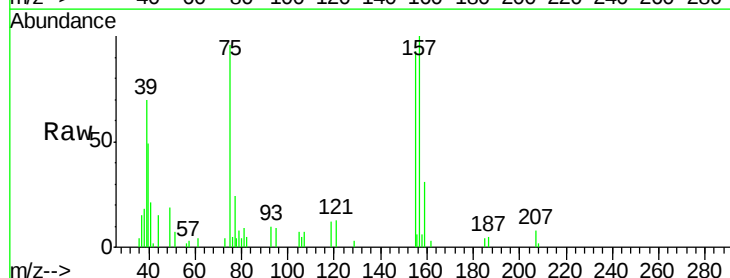
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

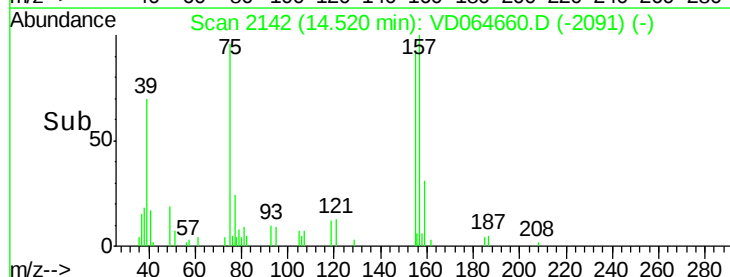
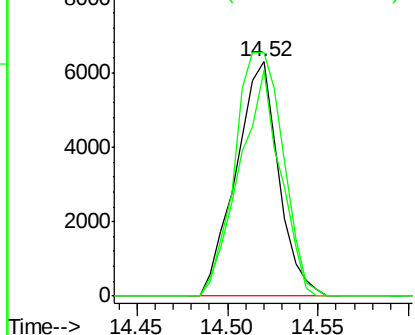
Lab File: VD064660.D

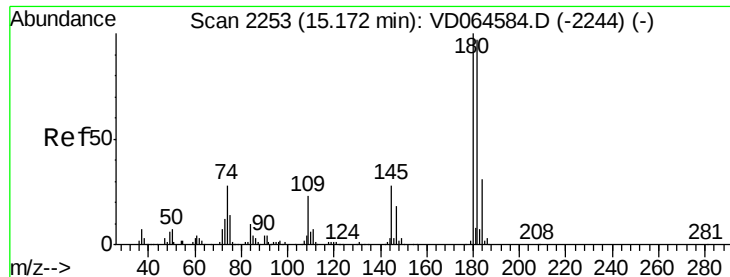
Acq: 28 Dec 2019 00:21

Tgt Ion:	75	Resp:	10288
Ion	Ratio	Lower	Upper
75	100		
155	93.5	48.0	144.0
157	118.4	64.1	192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

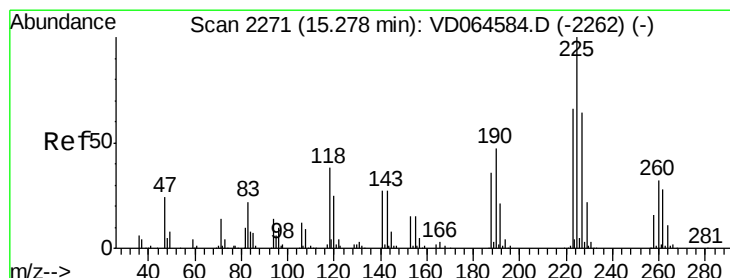
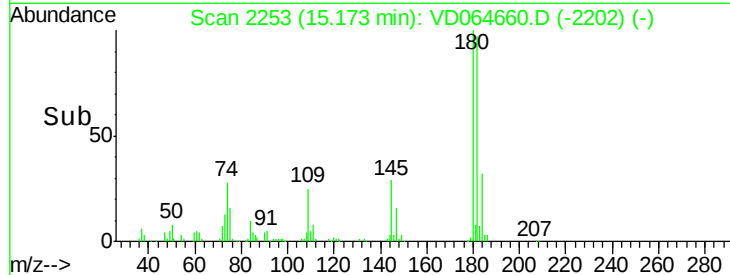
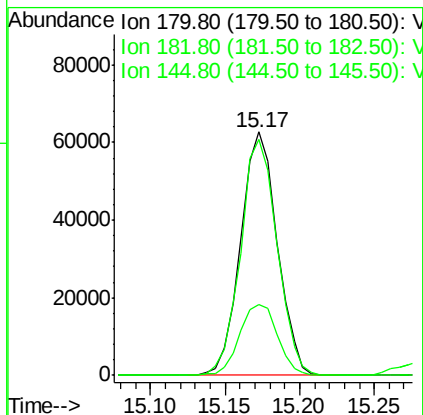
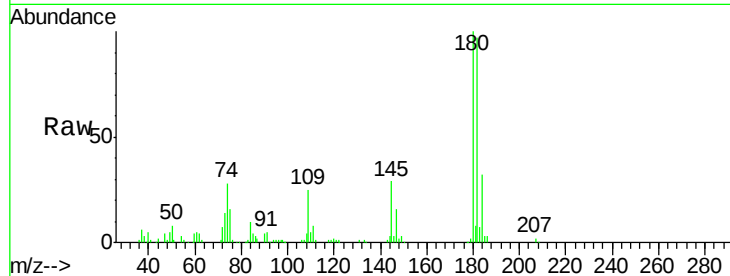




#93
 1,2,4-Trichlorobenzene
 Concen: 19.645 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

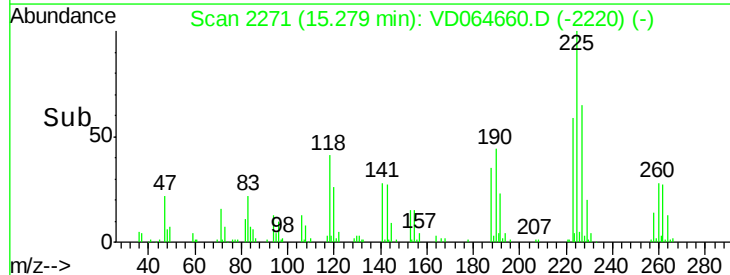
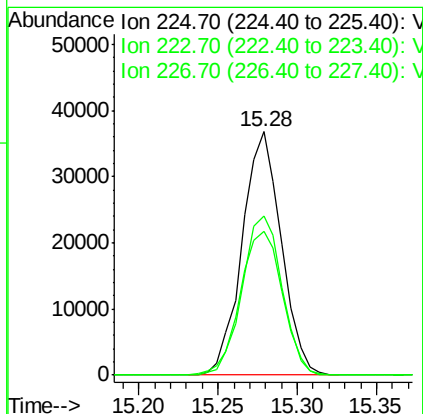
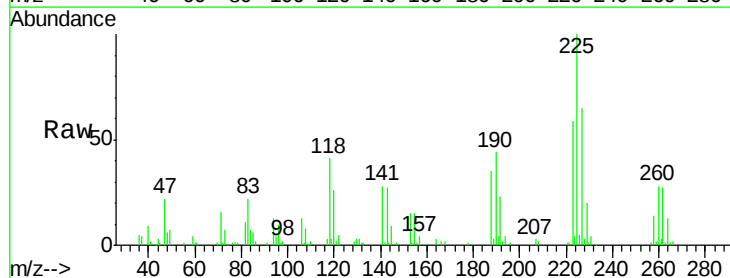
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBSD02

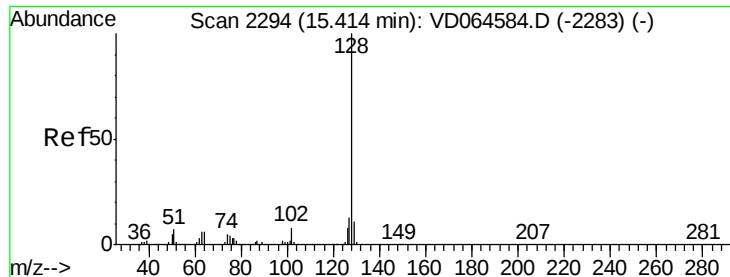
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.2	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 18.507 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064660.D
 Acq: 28 Dec 2019 00:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	66.6	30.9	92.7

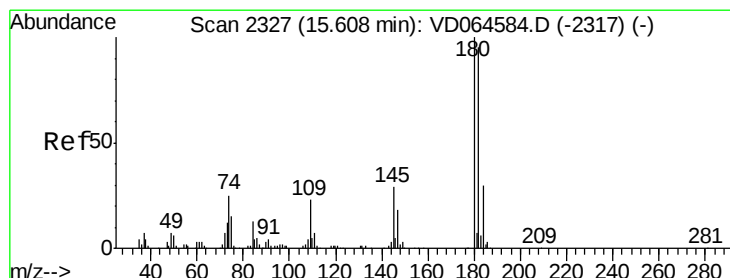
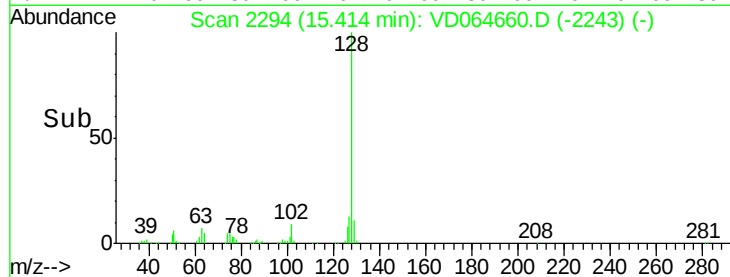
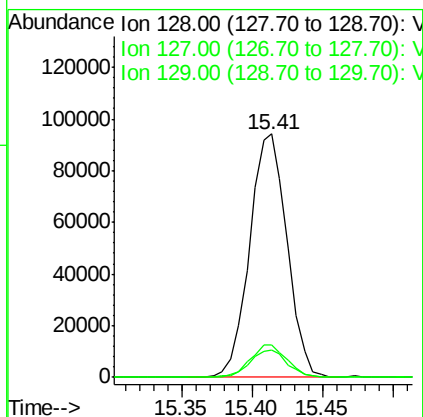
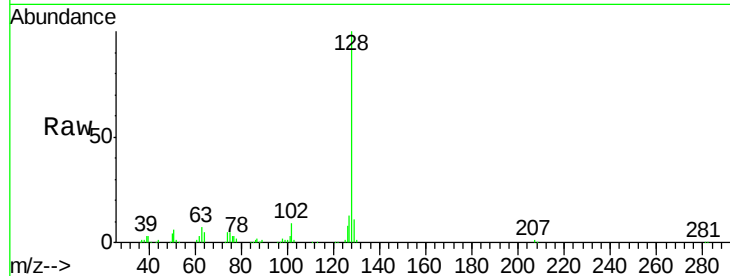




#95
Naphthalene
Concen: 20.434 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBSD02

Tgt Ion:128 Resp: 174891
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.2 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 20.500 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064660.D
Acq: 28 Dec 2019 00:21

Tgt Ion:180 Resp: 94682
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.7
145 30.3 14.9 44.7

