

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
 Data File : VD064659.D
 Acq On : 27 Dec 2019 23:54
 Operator : VA/SY
 Sample : VD1227SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Quant Time: Dec 30 01:02:43 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	7.99	168	404034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	612063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	557866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	280365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	194174	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
35) Dibromofluoromethane	7.92	113	189465	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.34	98	715910	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	233504	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	56212	17.902	ug/l	100
3) Chloromethane	2.21	50	88696	20.198	ug/l	99
4) Vinyl Chloride	2.35	62	102074	19.064	ug/l	95
5) Bromomethane	2.75	94	77187	19.827	ug/l	92
6) Chloroethane	2.91	64	73348	20.444	ug/l	95
7) Trichlorofluoromethane	3.27	101	169905	18.846	ug/l	97
8) Diethyl Ether	3.71	74	38514	21.513	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67763	18.149	ug/l	98
10) Methyl Iodide	4.29	142	72622	18.108	ug/l	99
11) Tert butyl alcohol	5.26	59	23557	115.373	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	66390	18.677	ug/l	99
13) Acrolein	3.92	56	27220	95.657	ug/l	99
14) Allyl chloride	4.71	41	107781	19.448	ug/l	99
15) Acrylonitrile	5.44	53	80697	108.216	ug/l	99
16) Acetone	4.17	43	67692	86.314	ug/l	94
17) Carbon Disulfide	4.40	76	210936	18.352	ug/l	97
18) Methyl Acetate	4.73	43	46548	23.207	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	165592	20.973	ug/l	96
20) Methylene Chloride	4.96	84	86407	20.866	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	76945	19.007	ug/l	97
22) Diisopropyl ether	6.37	45	230981	20.895	ug/l	97
23) Vinyl Acetate	6.31	43	649679	103.607	ug/l	99
24) 1,1-Dichloroethane	6.27	63	136690	20.598	ug/l	98
25) 2-Butanone	7.22	43	101246	103.385	ug/l	100
26) 2,2-Dichloropropane	7.21	77	104892	17.000	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	91708	20.991	ug/l	95
28) Bromochloromethane	7.55	49	48176	18.675	ug/l	98
29) Tetrahydrofuran	7.57	42	66352	108.951	ug/l	98
30) Chloroform	7.71	83	142658	20.489	ug/l	95
31) Cyclohexane	7.99	56	120212	18.096	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	126122	19.286	ug/l	99
36) 1,1-Dichloropropene	8.11	75	105521	17.912	ug/l	98
37) Ethyl Acetate	7.30	43	48228	20.839	ug/l	96
38) Carbon Tetrachloride	8.10	117	109652	17.456	ug/l	97

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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)
39) Methylcyclohexane	9.36	83	124755	17.485	ug/l	95
40) Benzene	8.35	78	308189	19.164	ug/l	97
41) Methacrylonitrile	7.53	41	27587	20.545	ug/l	95
42) 1,2-Dichloroethane	8.43	62	95765	20.607	ug/l	99
43) Isopropyl Acetate	8.46	43	91485	19.860	ug/l	100
44) Trichloroethene	9.11	130	87201	18.458	ug/l	95
45) 1,2-Dichloropropane	9.39	63	78541	20.455	ug/l	95
46) Dibromomethane	9.48	93	43938	20.524	ug/l	98
47) Bromodichloromethane	9.66	83	113356	19.899	ug/l	98
48) Methyl methacrylate	9.46	41	42598	19.640	ug/l	88
49) 1,4-Dioxane	9.47	88	10923	442.494	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	231333	101.601	ug/l	99
52) Toluene	10.41	92	201959	19.141	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	102878	19.370	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123772	19.764	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	58418	20.248	ug/l	92
56) Ethyl methacrylate	10.66	69	70764	19.639	ug/l	95
57) 1,3-Dichloropropane	10.95	76	102232	20.580	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145358	105.887	ug/l	99
59) 2-Hexanone	10.99	43	155424	100.574	ug/l	98
60) Dibromochloromethane	11.14	129	78777	19.745	ug/l	96
61) 1,2-Dibromoethane	11.25	107	56488	19.851	ug/l	98
64) Tetrachloroethene	10.88	164	79055	18.471	ug/l	94
65) Chlorobenzene	11.67	112	219019	18.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	83570	19.146	ug/l	97
67) Ethyl Benzene	11.74	91	377062	17.942	ug/l	99
68) m/p-Xylenes	11.86	106	292347	36.041	ug/l	99
69) o-Xylene	12.18	106	134399	18.344	ug/l	99
70) Styrene	12.20	104	236017	18.352	ug/l	100
71) Bromoform	12.37	173	48206	19.366	ug/l #	100
73) Isopropylbenzene	12.48	105	354016	17.669	ug/l	100
74) N-amyl acetate	12.29	43	81184	18.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	63510	20.179	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	81544	36.832	ug/l #	100
77) Bromobenzene	12.77	156	91969	18.681	ug/l	97
78) n-propylbenzene	12.83	91	419491	17.947	ug/l	98
79) 2-Chlorotoluene	12.91	91	234809	18.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297590	18.082	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19599	18.515	ug/l	96
82) 4-Chlorotoluene	13.01	91	253634	18.562	ug/l	99
83) tert-Butylbenzene	13.23	119	249860	17.485	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	302611	18.462	ug/l	97
85) sec-Butylbenzene	13.41	105	344090	17.564	ug/l	99
86) p-Isopropyltoluene	13.52	119	317265	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	174964	18.643	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	174437	18.920	ug/l	99
89) n-Butylbenzene	13.85	91	293277	17.385	ug/l	100
90) Hexachloroethane	14.12	117	66887	18.693	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	151011	18.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10197	19.985	ug/l	94

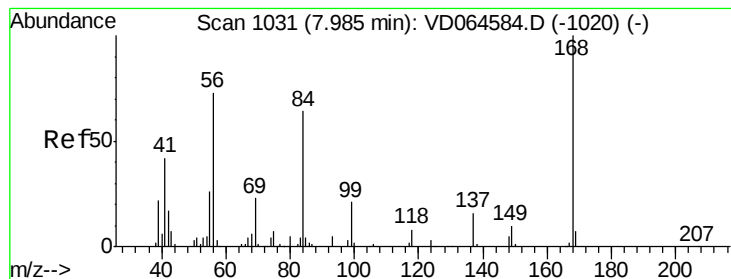
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122719\
Data File : VD064659.D
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Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Quant Time: Dec 30 01:02:43 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	109287	18.547	ug/l	99
94) Hexachlorobutadiene	15.28	225	63477	17.119	ug/l	98
95) Naphthalene	15.41	128	176243	18.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	96154	19.115	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

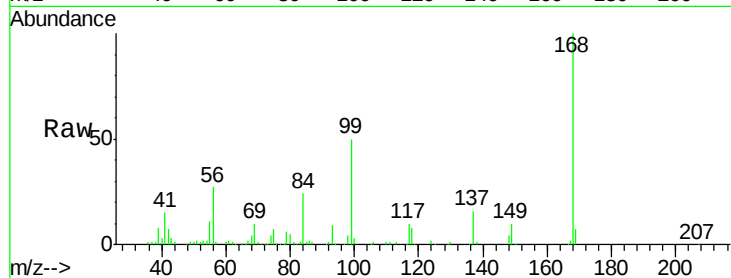
VD1227SBS02

Tgt Ion:168 Resp: 404034

Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

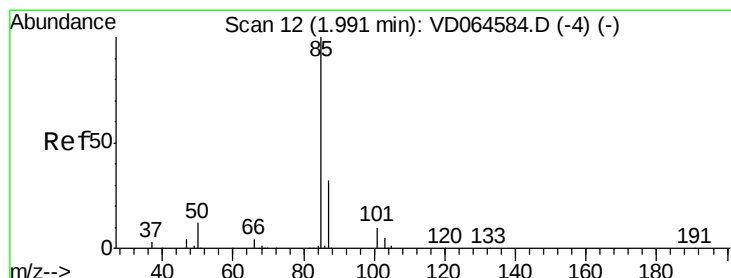
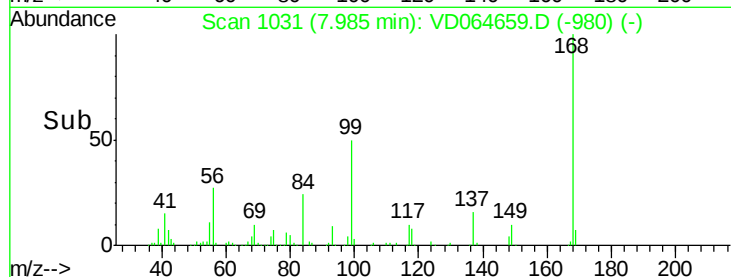
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.902 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064659.D

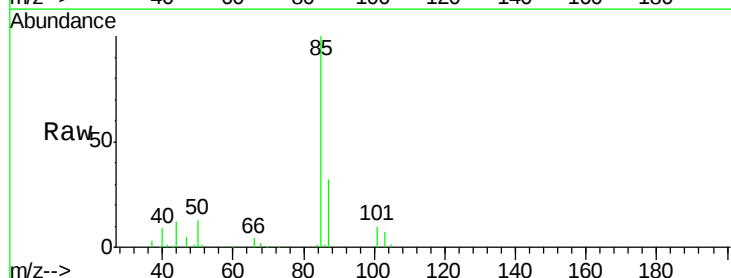
Acq: 27 Dec 2019 23:54

Tgt Ion: 85 Resp: 56212

Ion Ratio Lower Upper

85 100

87 32.3 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

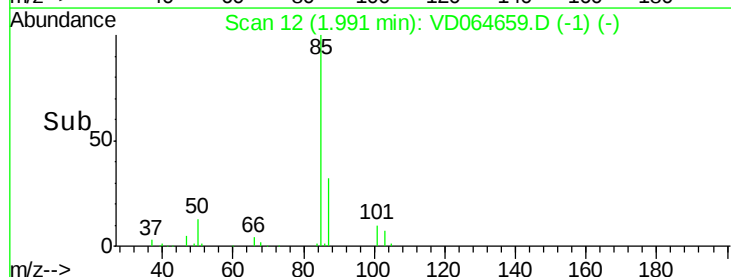
20000

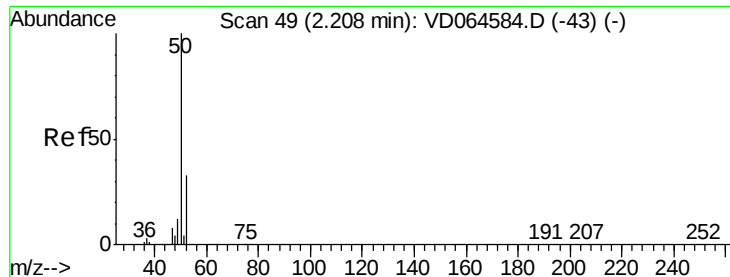
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.198 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

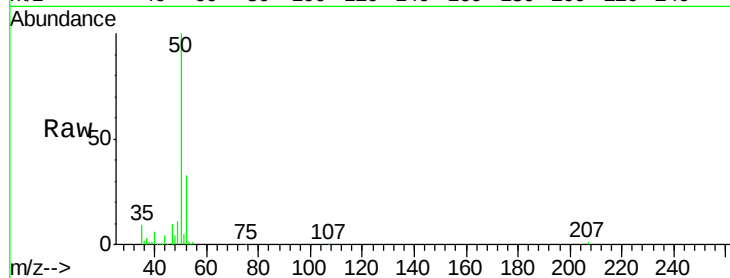
VD1227SBS02

Tgt Ion: 50 Resp: 88696

Ion Ratio Lower Upper

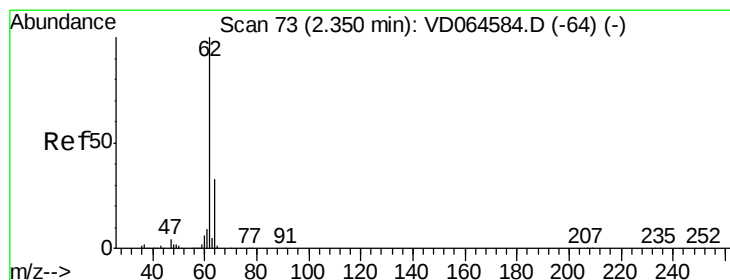
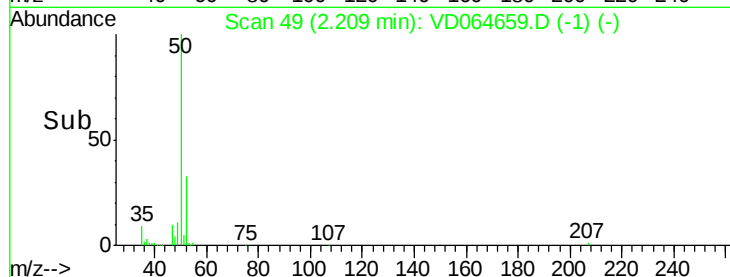
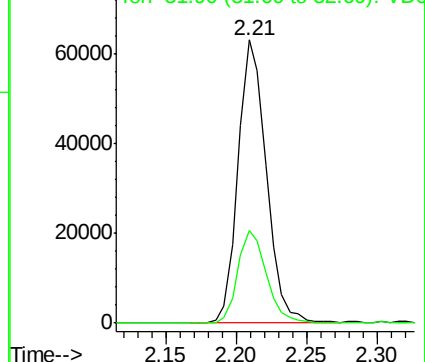
50 100

52 32.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.064 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064659.D

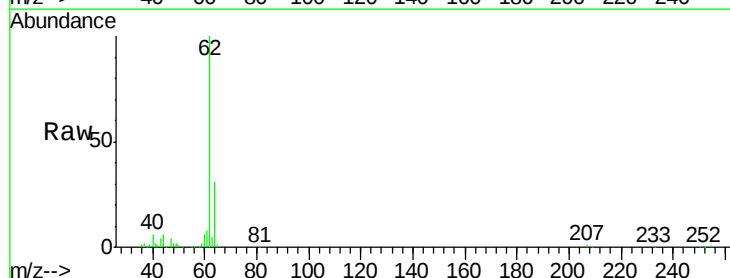
Acq: 27 Dec 2019 23:54

Tgt Ion: 62 Resp: 102074

Ion Ratio Lower Upper

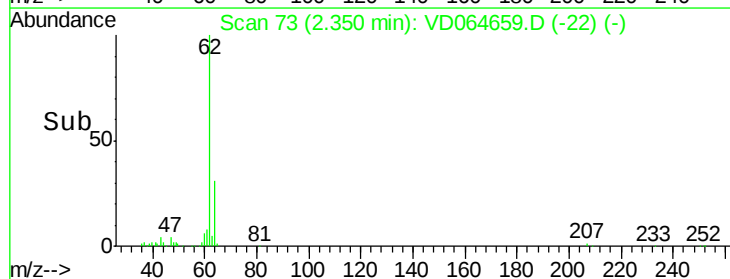
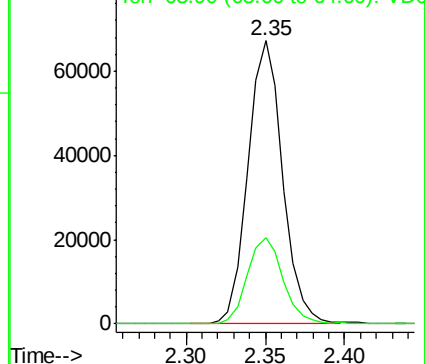
62 100

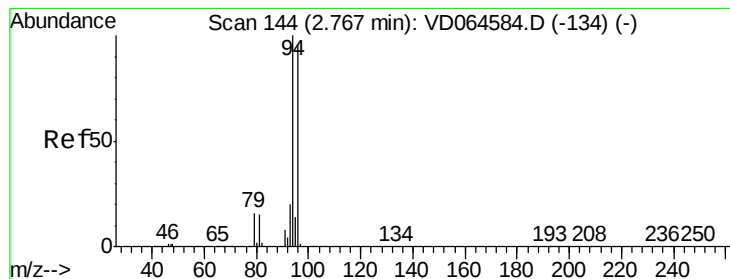
64 30.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.827 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

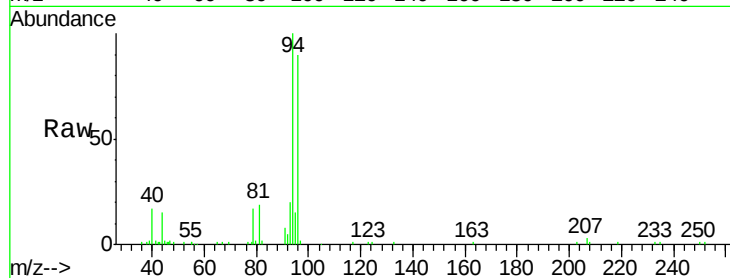
VD1227SBS02

Tgt Ion: 94 Resp: 77187

Ion Ratio Lower Upper

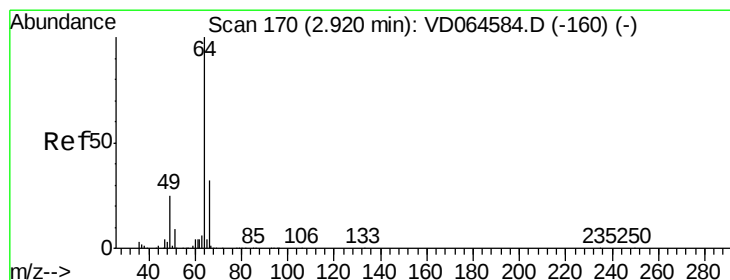
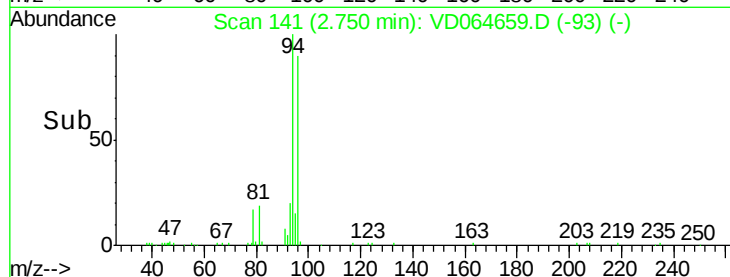
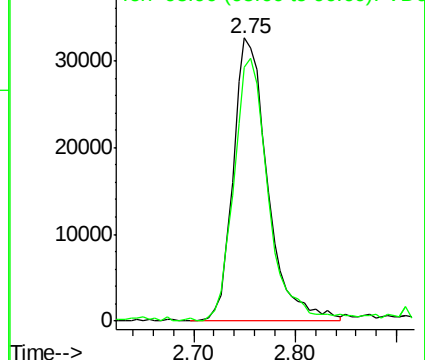
94 100

96 88.7 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.444 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064659.D

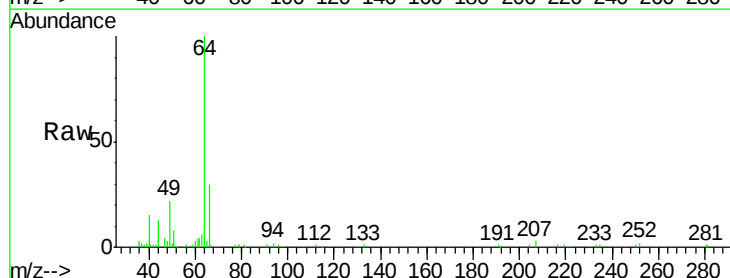
Acq: 27 Dec 2019 23:54

Tgt Ion: 64 Resp: 73348

Ion Ratio Lower Upper

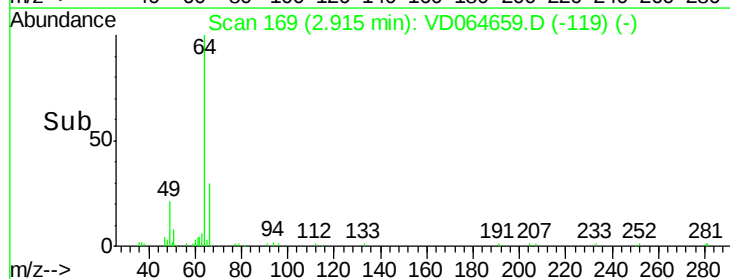
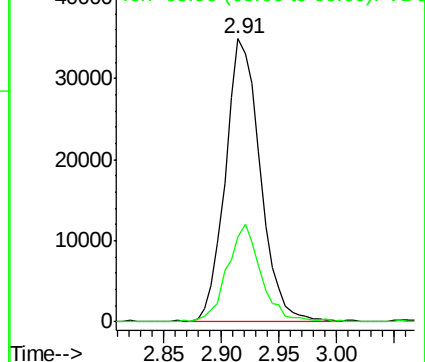
64 100

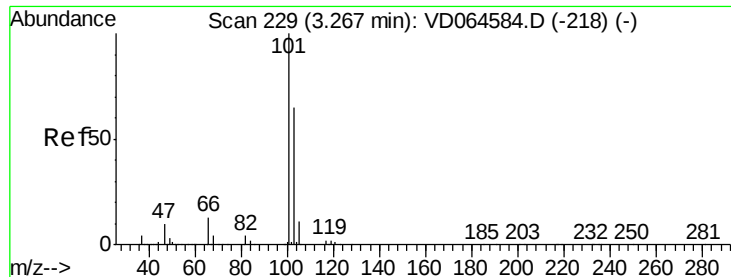
66 29.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



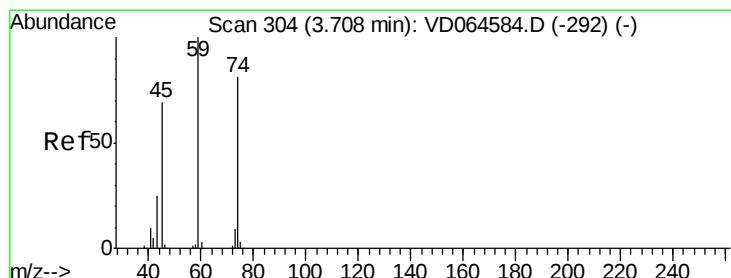
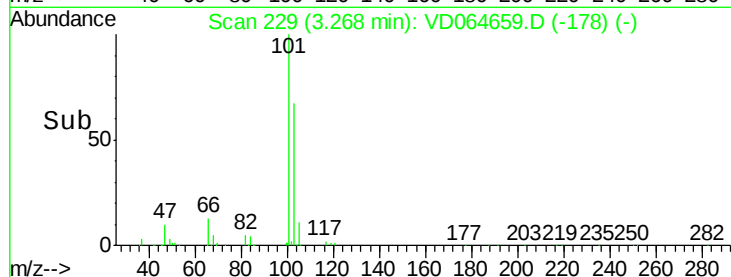
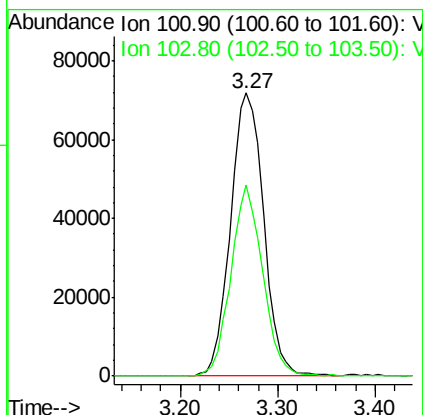
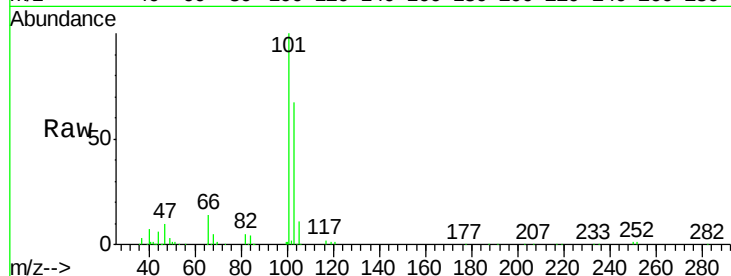


#7

Trichlorofluoromethane
 Concen: 18.846 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

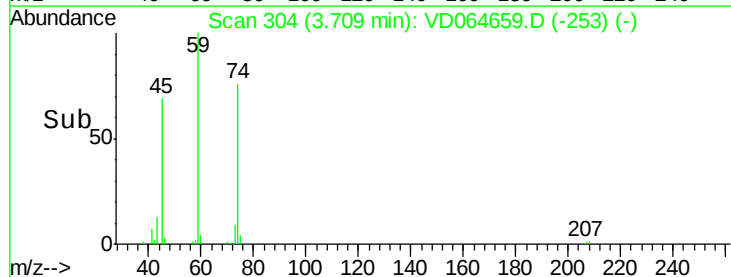
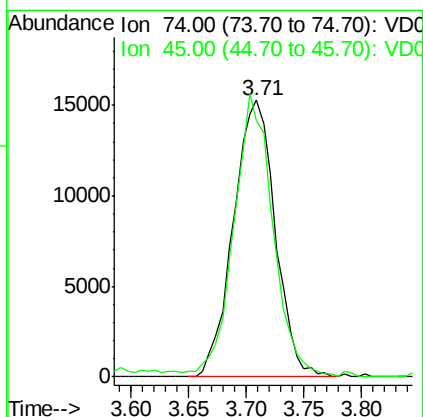
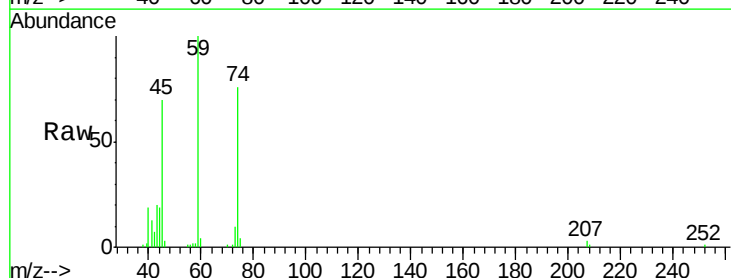
Tgt Ion: 101 Resp: 169905
 Ion Ratio Lower Upper
 101 100
 103 67.4 52.2 78.4



#8

Diethyl Ether
 Concen: 21.513 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 74 Resp: 38514
 Ion Ratio Lower Upper
 74 100
 45 95.9 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.149 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

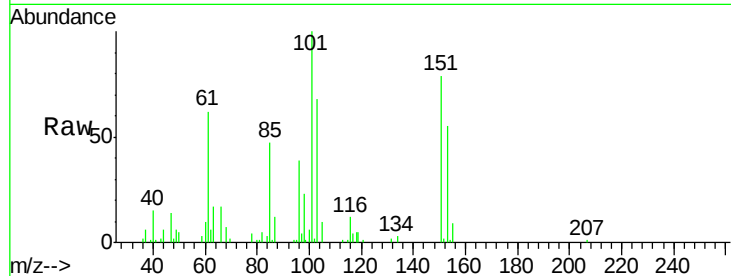
Tgt Ion:101 Resp: 67763

Ion Ratio Lower Upper

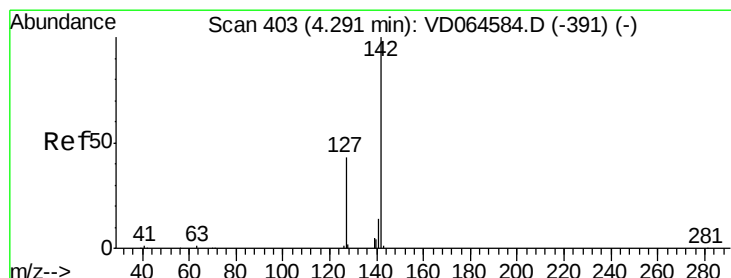
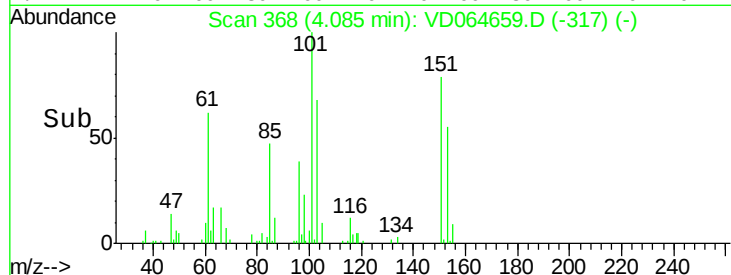
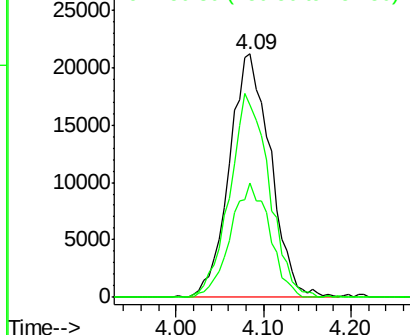
101 100

85 44.4 35.2 52.8

151 80.1 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: 18.108 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

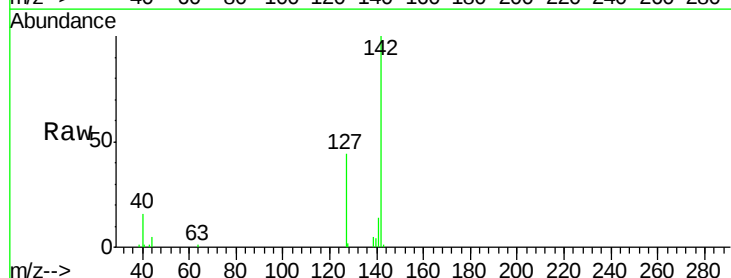
Tgt Ion:142 Resp: 72622

Ion Ratio Lower Upper

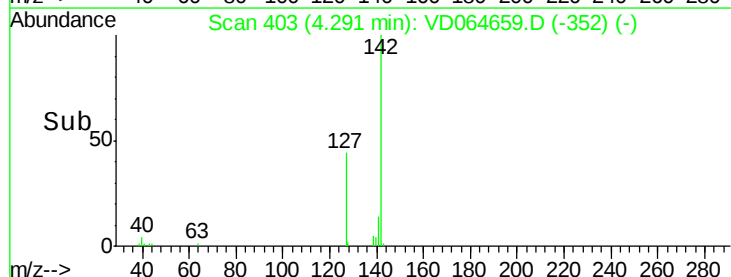
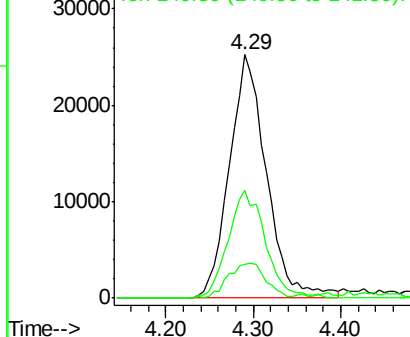
142 100

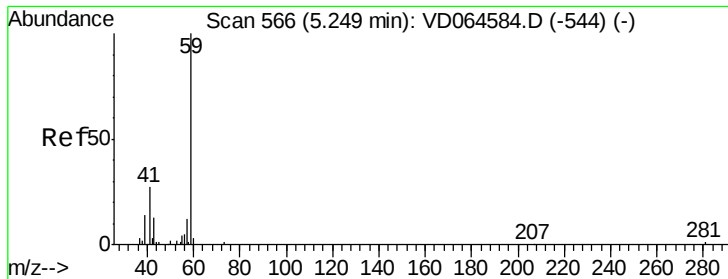
127 44.4 36.2 54.4

141 14.6 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

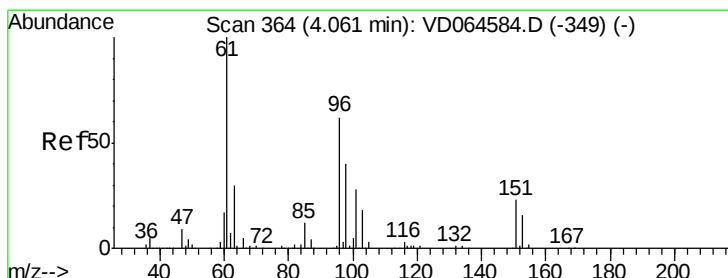
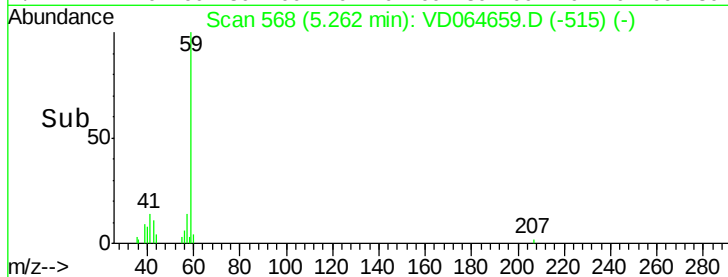
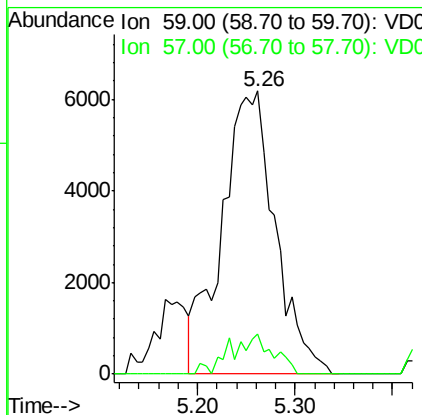
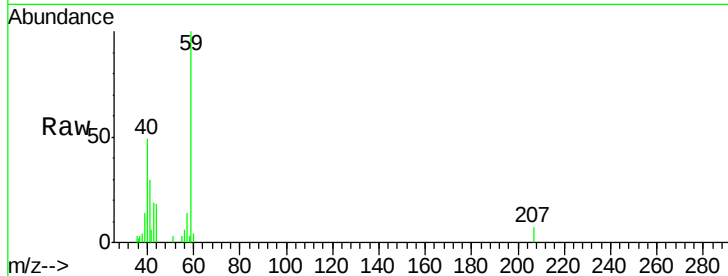




#11
Tert butyl alcohol
Concen: 115.373 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

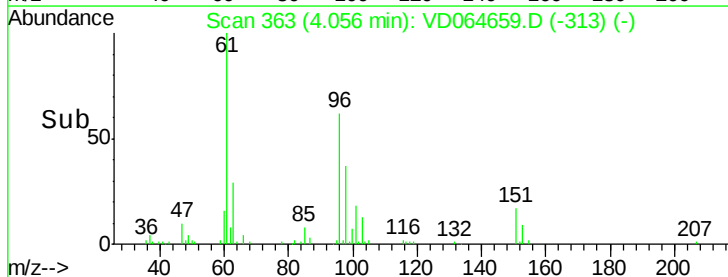
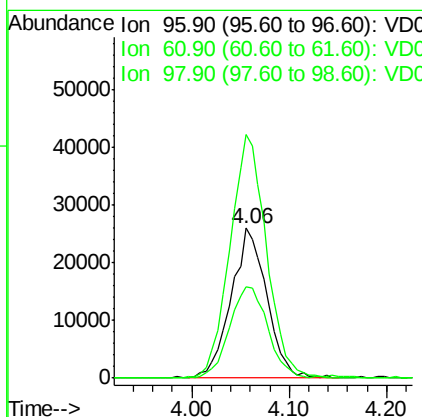
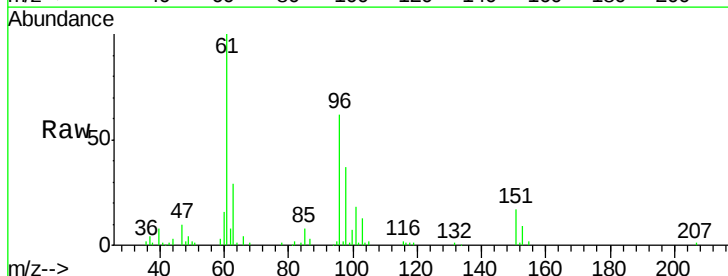
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

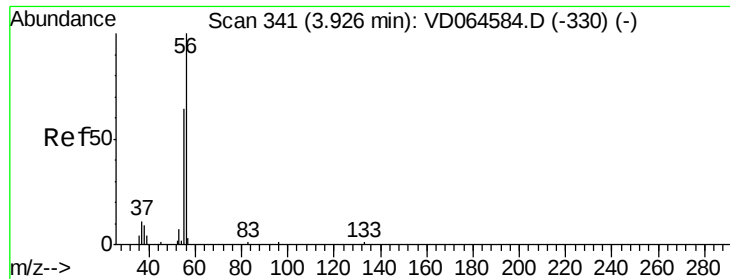
Tgt Ion: 59 Resp: 23557
Ion Ratio Lower Upper
59 100
57 7.9 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 18.677 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 96 Resp: 66390
Ion Ratio Lower Upper
96 100
61 161.6 129.4 194.0
98 60.5 51.4 77.0





#13

Acrolein

Concen: 95.657 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

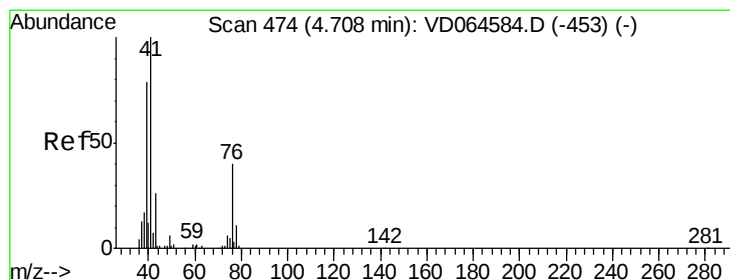
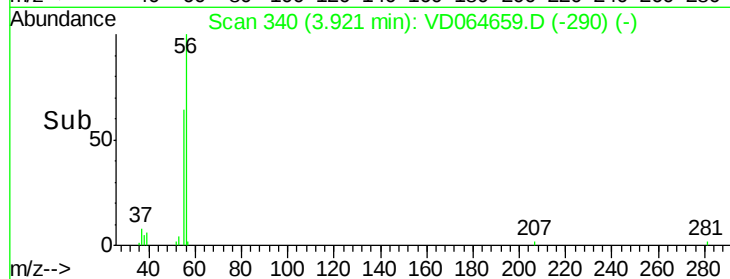
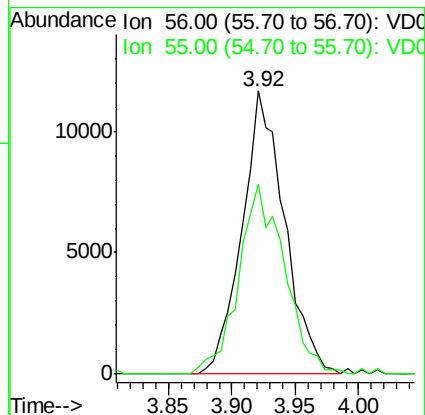
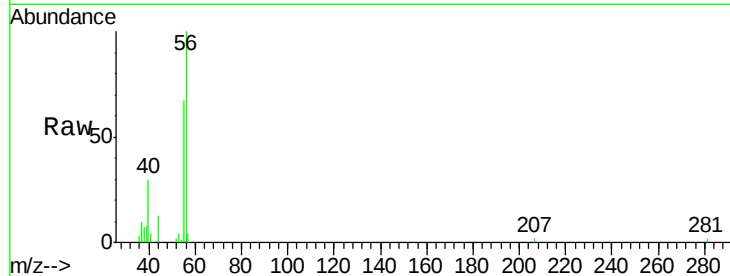
VD1227SBS02

Tgt Ion: 56 Resp: 27220

Ion Ratio Lower Upper

56 100

55 71.9 56.7 85.1



#14

Allyl chloride

Concen: 19.448 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

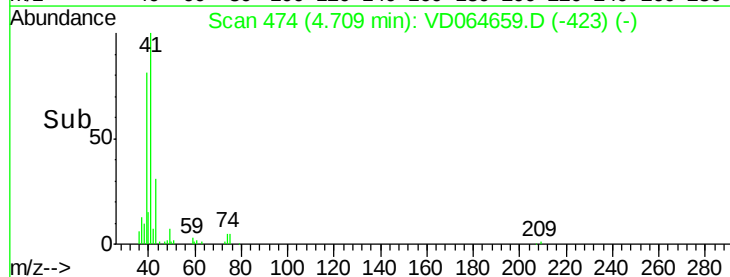
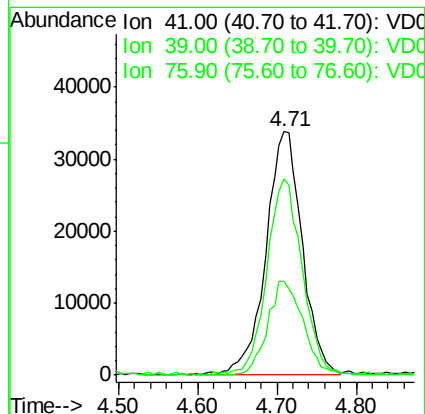
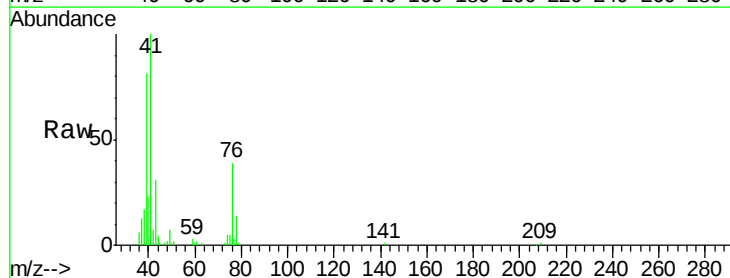
Tgt Ion: 41 Resp: 107781

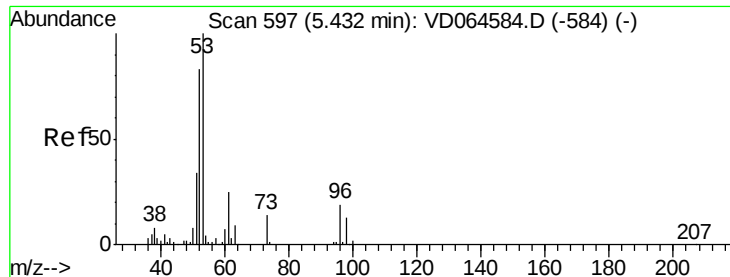
Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 37.7 29.7 44.5





#15

Acrylonitrile

Concen: 108.216 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

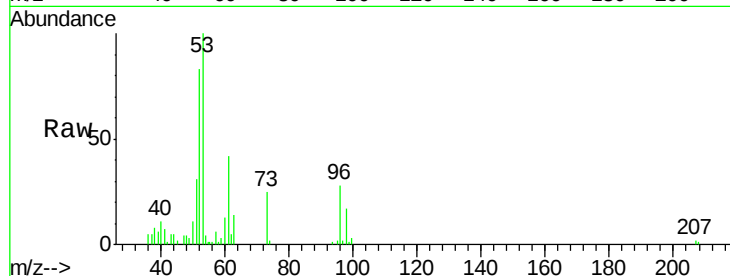
Tgt Ion: 53 Resp: 80697

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

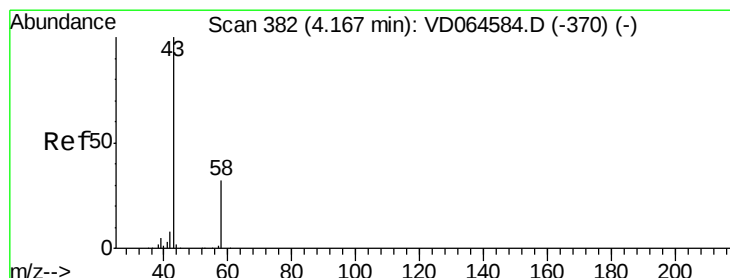
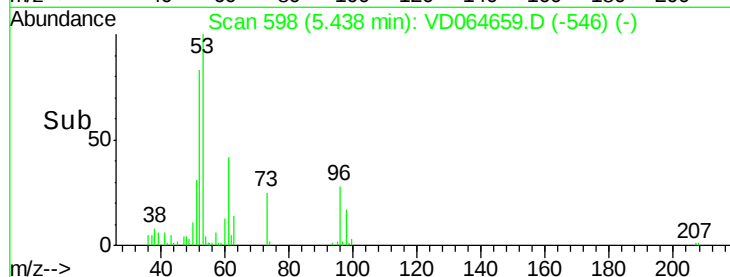
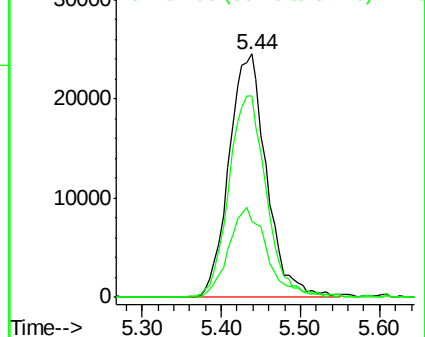
51 37.6 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 86.314 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064659.D

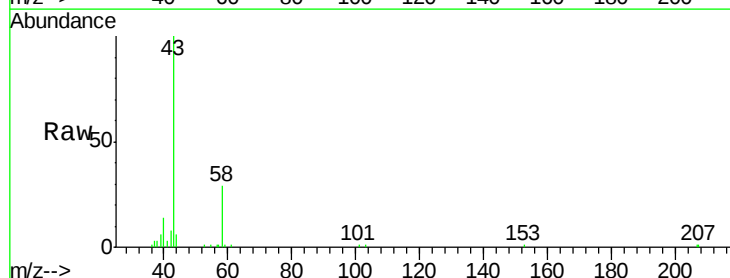
Acq: 27 Dec 2019 23:54

Tgt Ion: 43 Resp: 67692

Ion Ratio Lower Upper

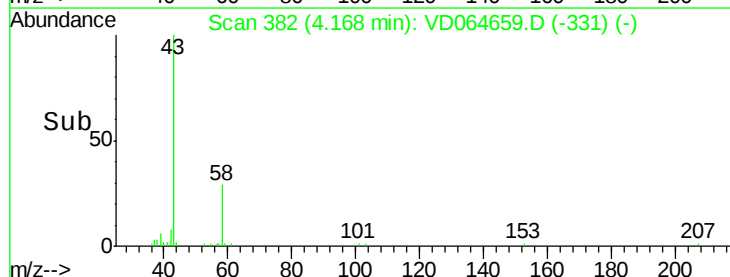
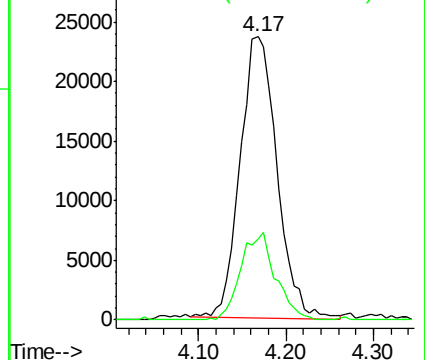
43 100

58 28.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

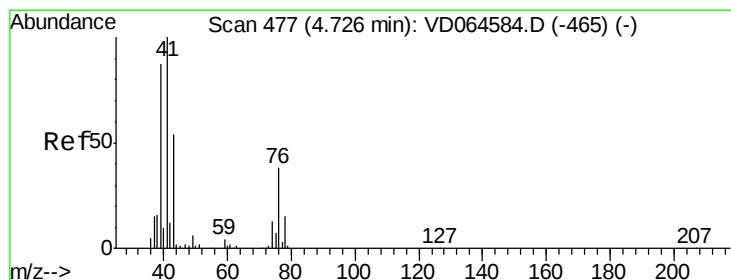
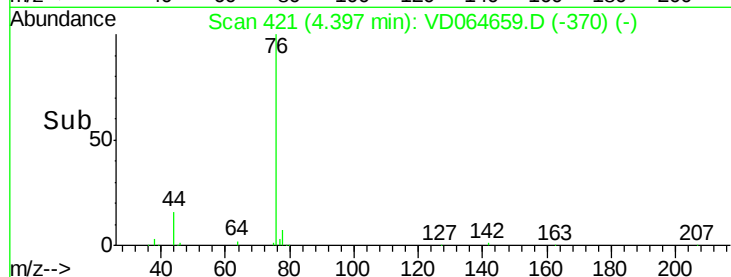
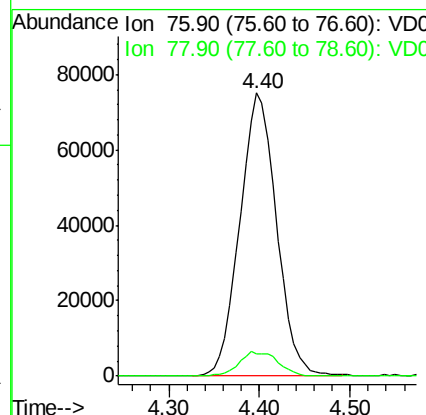
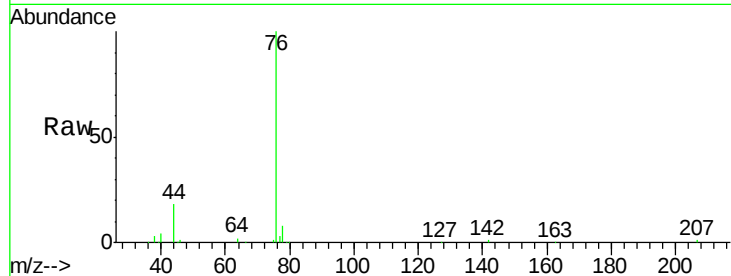




#17
Carbon Disulfide
Concen: 18.352 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

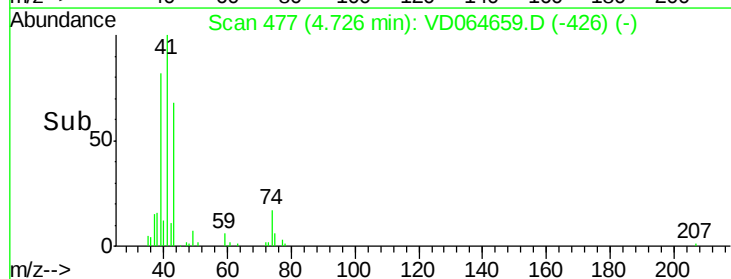
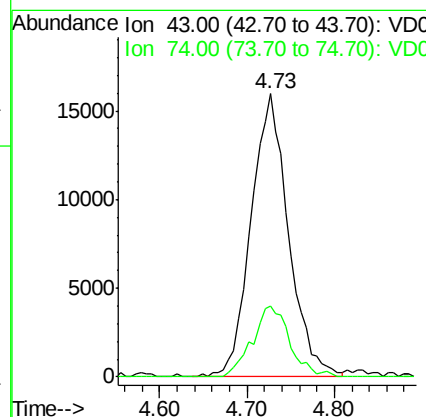
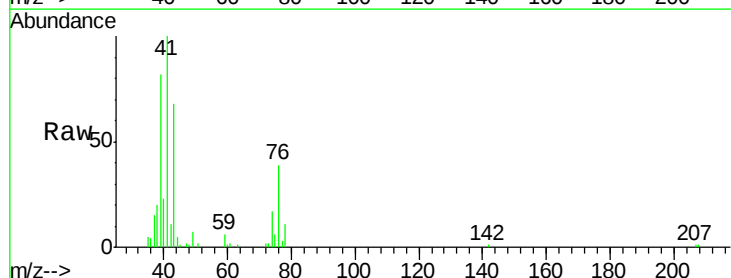
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

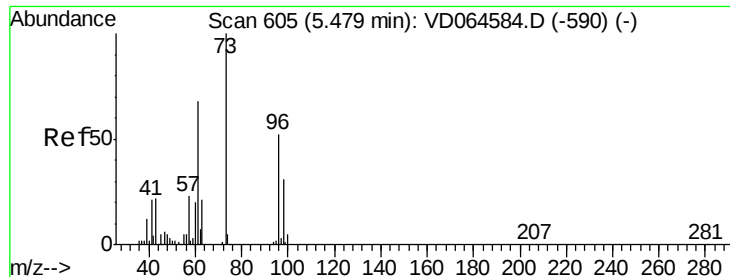
Tgt Ion: 76 Resp: 210936
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#18
Methyl Acetate
Concen: 23.207 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 43 Resp: 46548
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8



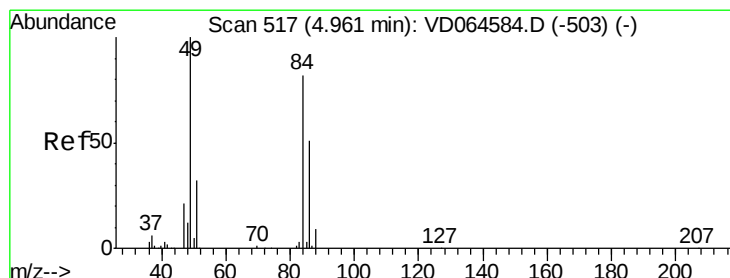
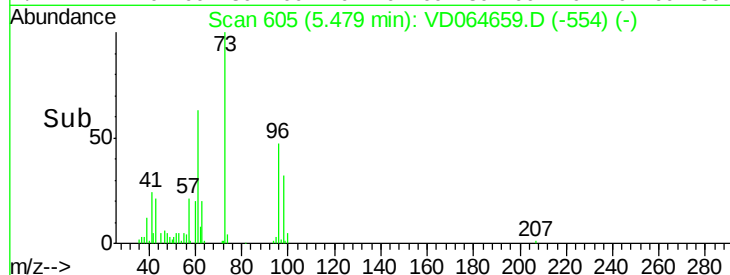
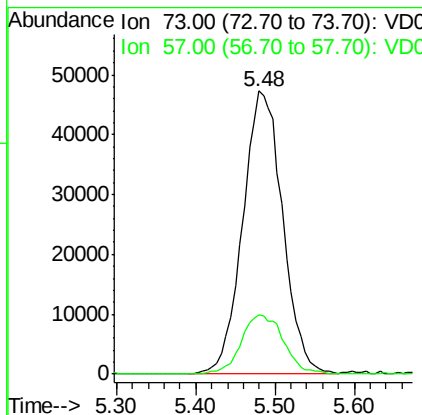
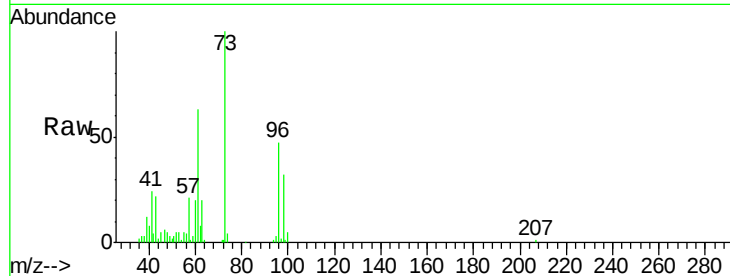


#19

Methyl tert-butyl Ether
 Concen: 20.973 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

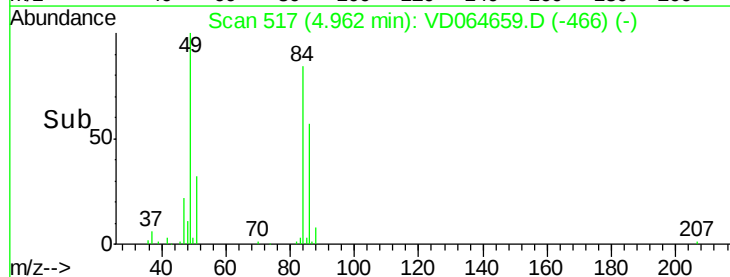
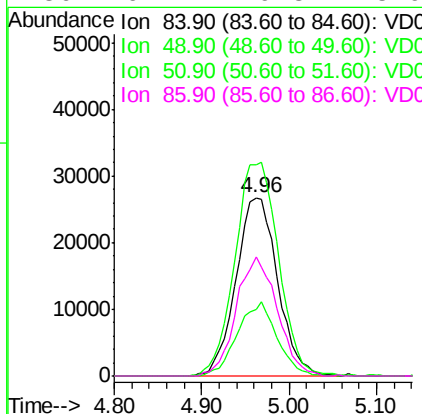
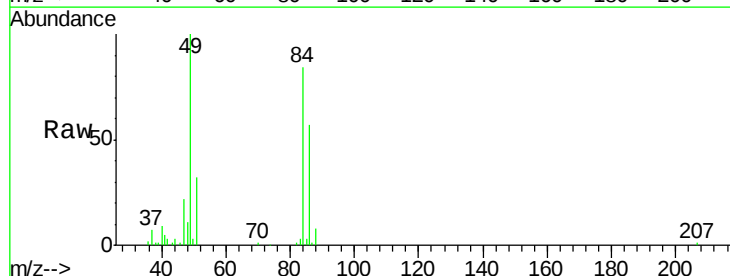
Tgt Ion: 73 Resp: 165592
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.6 27.8

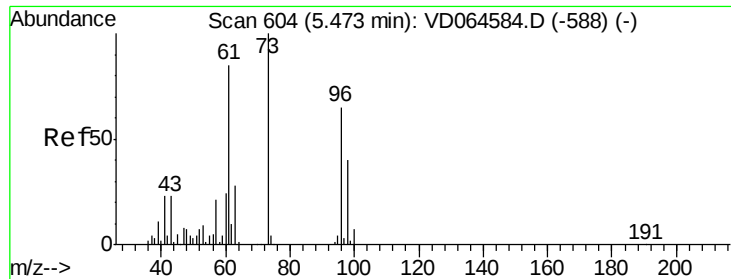


#20

Methylene Chloride
 Concen: 20.866 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 84 Resp: 86407
 Ion Ratio Lower Upper
 84 100
 49 118.6 97.2 145.8
 51 37.4 31.4 47.0
 86 67.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.007 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

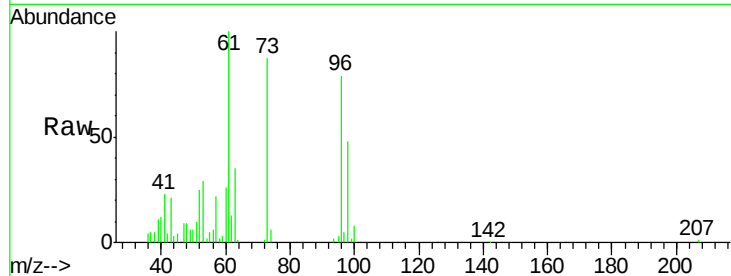
Tgt Ion: 96 Resp: 76945

Ion Ratio Lower Upper

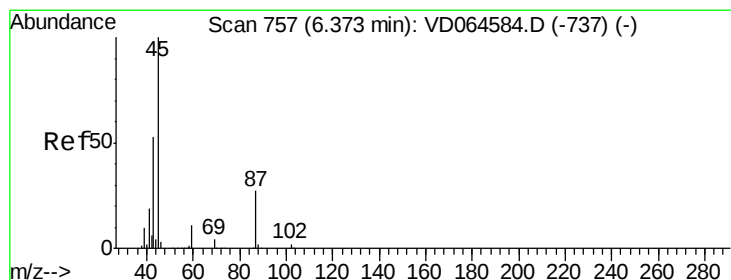
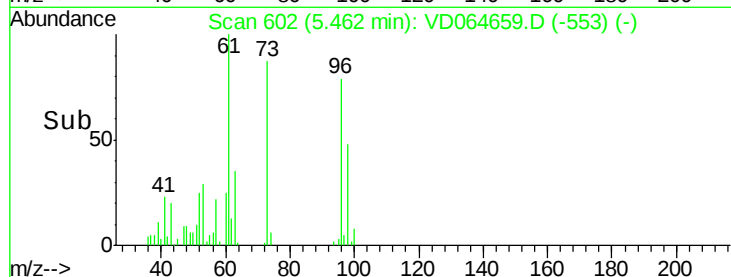
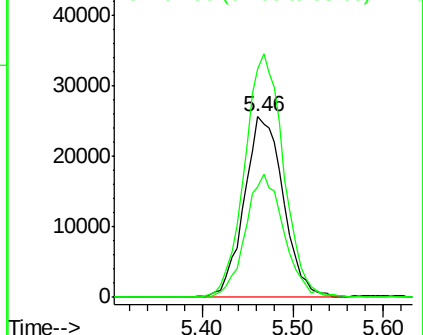
96 100

61 126.8 104.7 157.1

98 61.0 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: 20.895 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion: 45 Resp: 230981

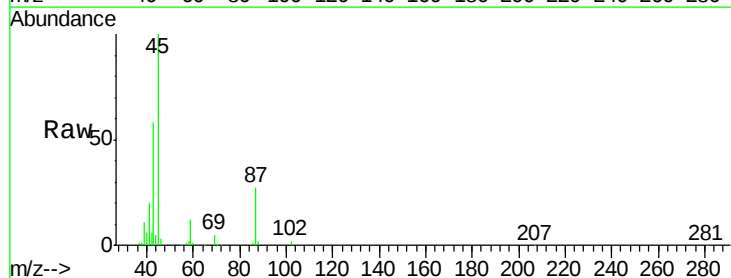
Ion Ratio Lower Upper

45 100

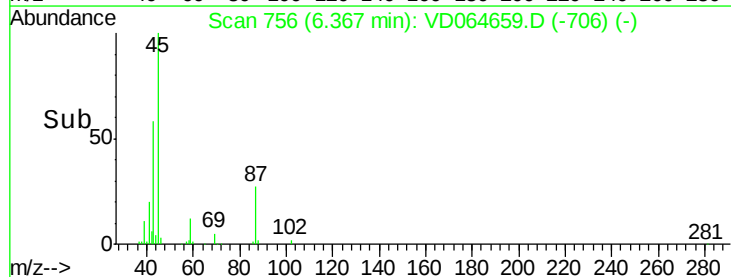
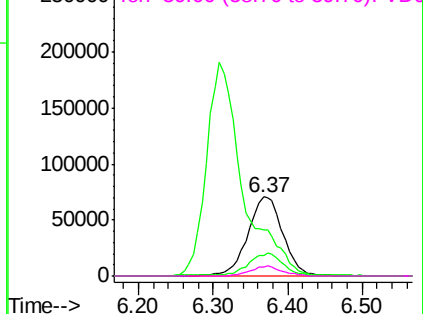
43 57.3 43.2 64.8

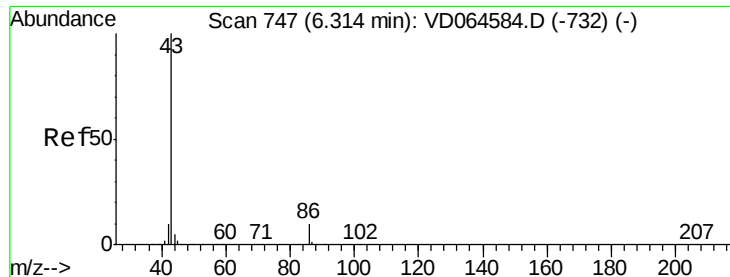
87 26.7 21.9 32.9

59 11.3 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: 103.607 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

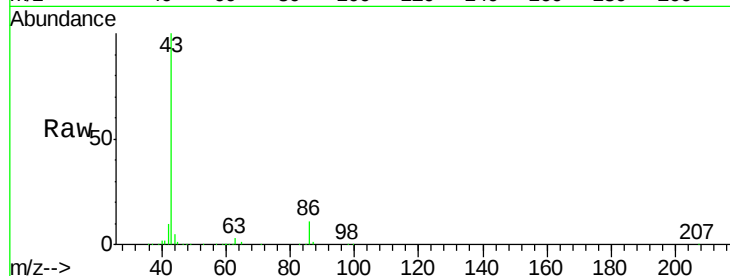
VD1227SBS02

Tgt Ion: 43 Resp: 649679

Ion Ratio Lower Upper

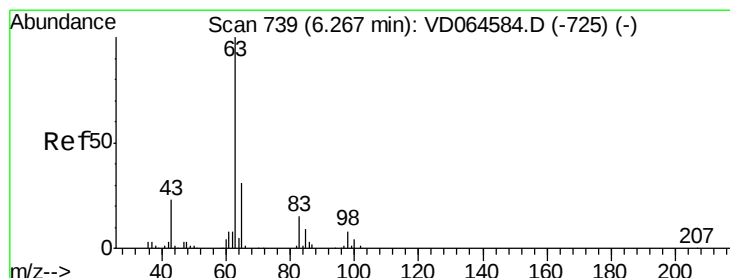
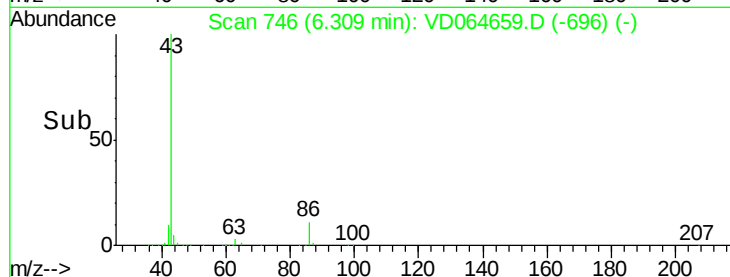
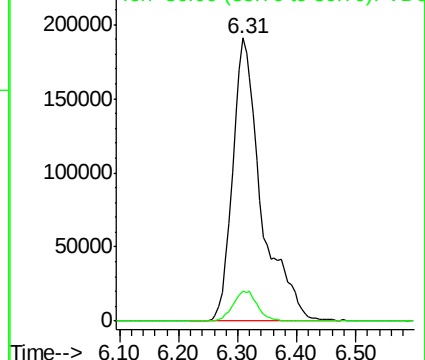
43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.598 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

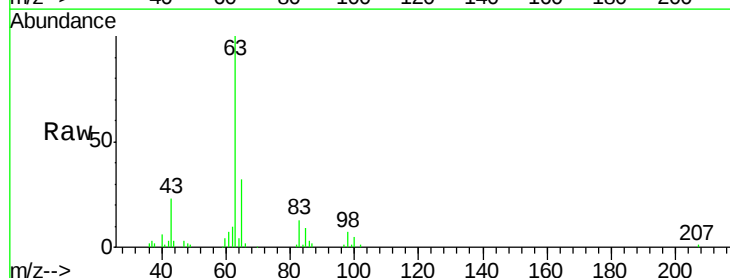
Tgt Ion: 63 Resp: 136690

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

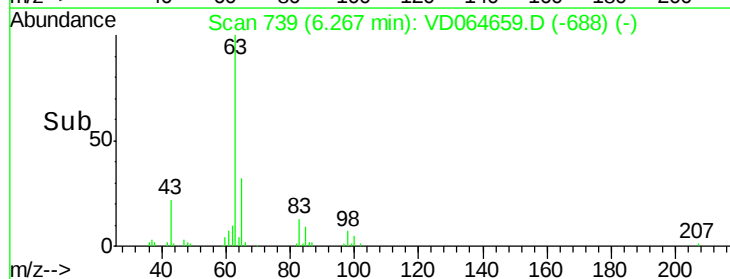
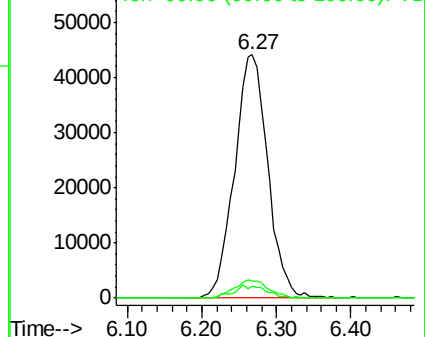
100 4.7 2.2 6.6

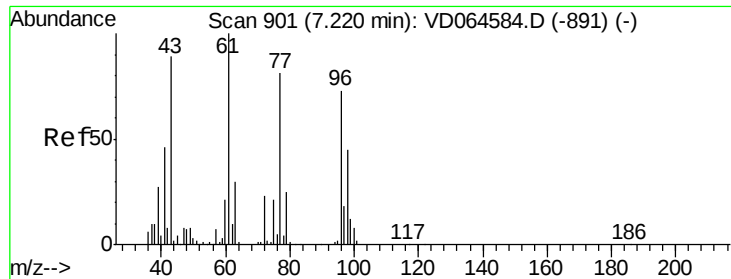


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.385 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

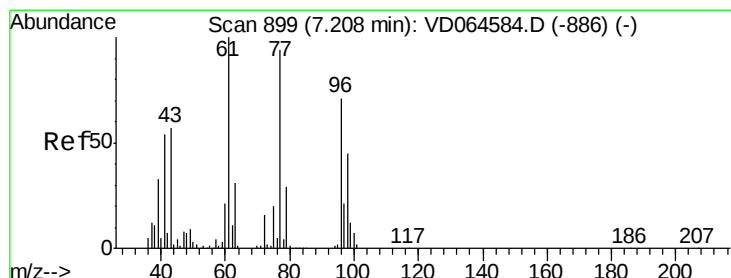
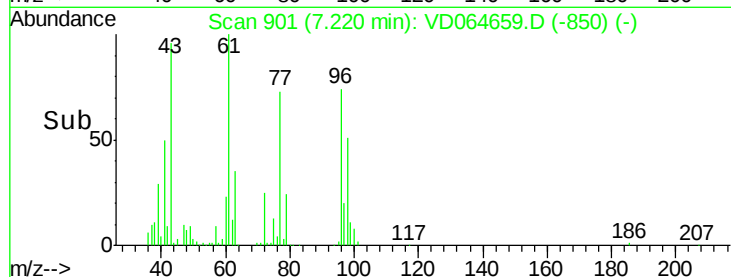
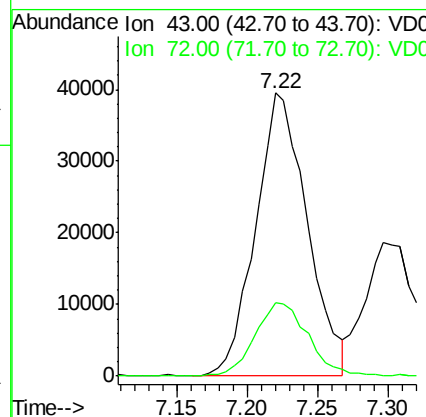
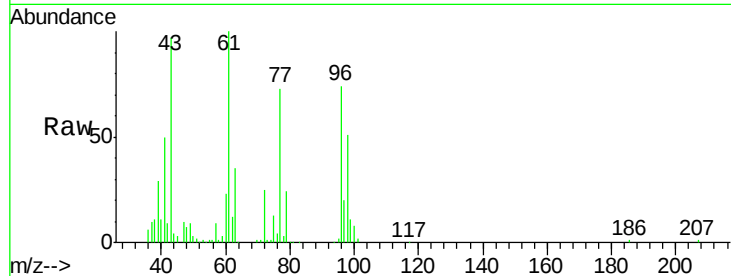
VD1227SBS02

Tgt Ion: 43 Resp: 101246

Ion Ratio Lower Upper

43 100

72 26.0 20.7 31.1



#26

2,2-Dichloropropane

Concen: 17.000 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064659.D

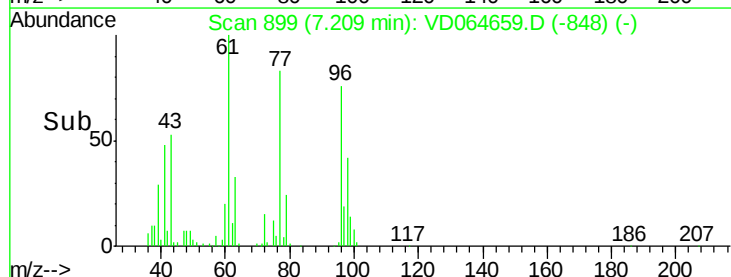
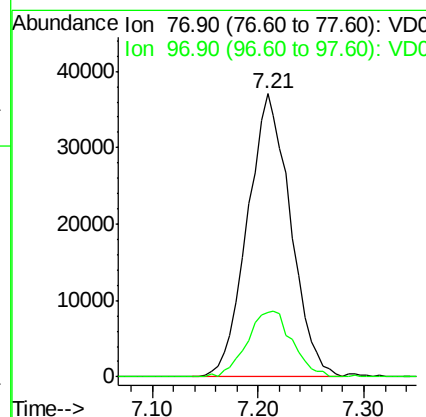
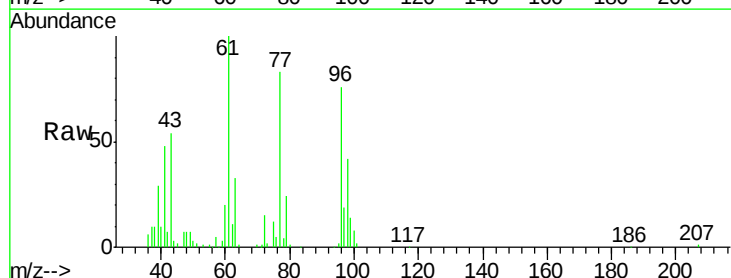
Acq: 27 Dec 2019 23:54

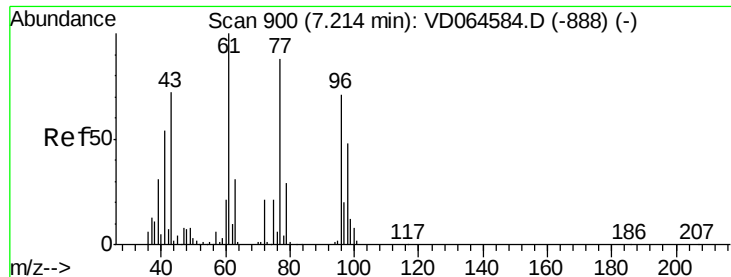
Tgt Ion: 77 Resp: 104892

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.6



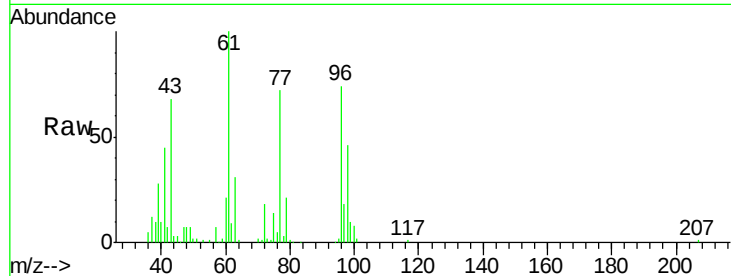


#27

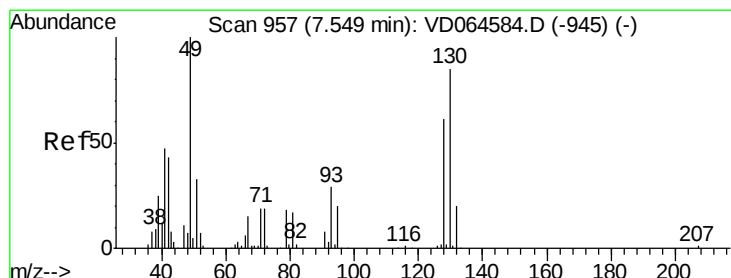
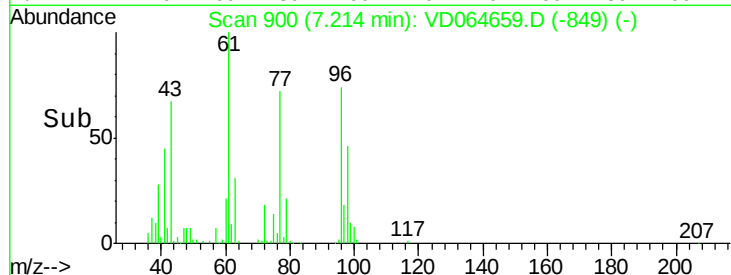
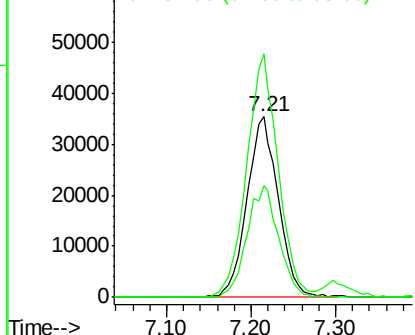
cis-1,2-Dichloroethene
Concen: 20.991 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 96 Resp: 91708
Ion Ratio Lower Upper
96 100
61 135.2 0.0 282.6
98 62.2 0.0 130.8



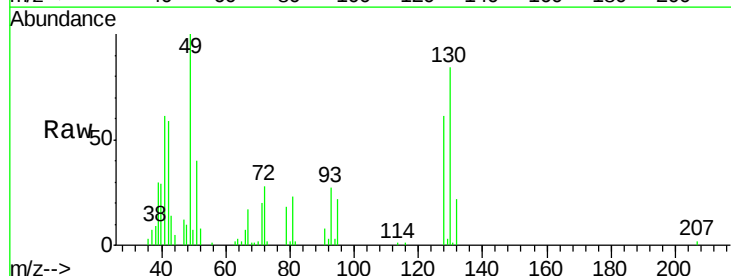
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



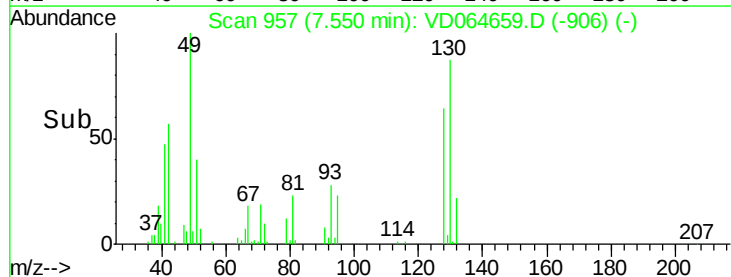
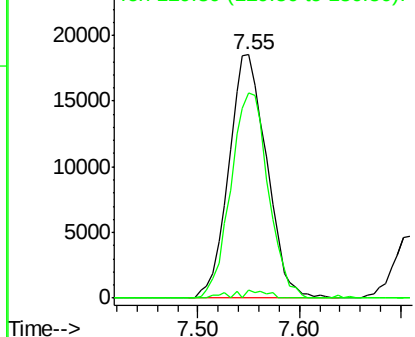
#28

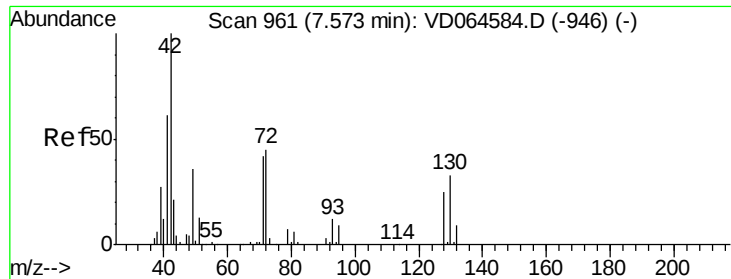
Bromochloromethane
Concen: 18.675 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 49 Resp: 48176
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.8
130 83.2 65.0 97.6



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

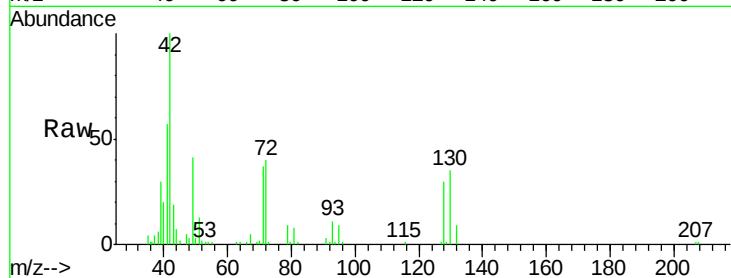




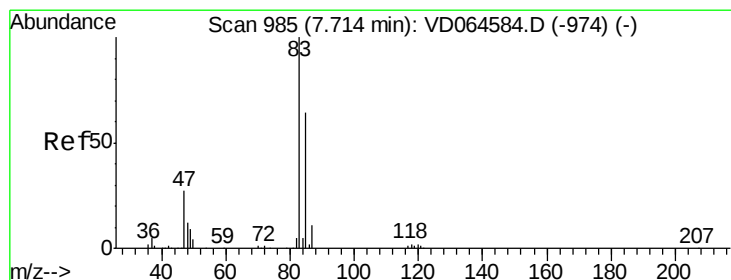
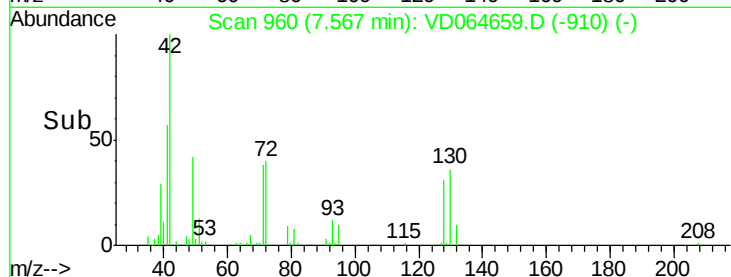
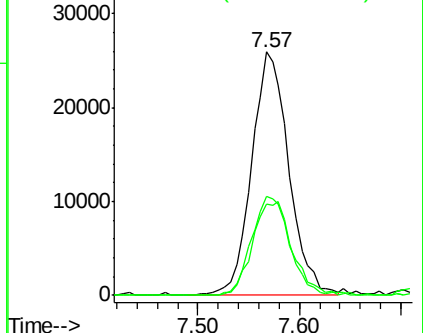
#29
Tetrahydrofuran
Concen: 108.951 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 42 Resp: 66352
Ion Ratio Lower Upper
42 100
72 42.6 35.0 52.4
71 39.6 32.9 49.3

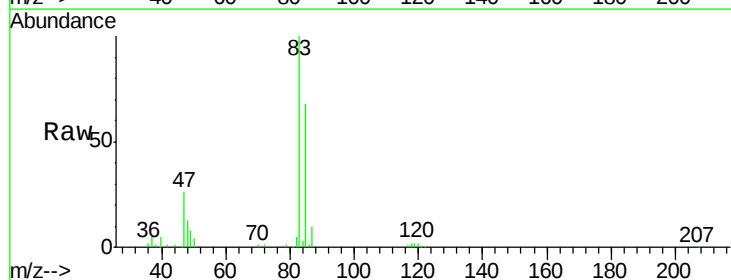


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

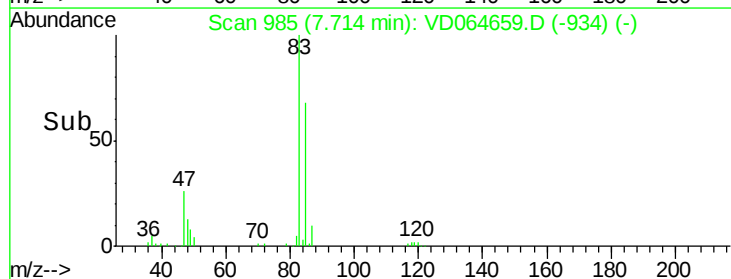
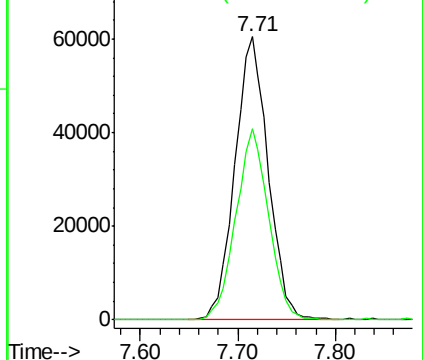


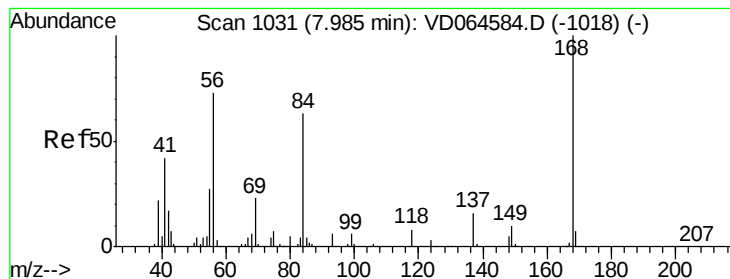
#30
Chloroform
Concen: 20.489 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 83 Resp: 142658
Ion Ratio Lower Upper
83 100
85 67.6 51.1 76.7



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





#31

Cyclohexane

Concen: 18.096 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

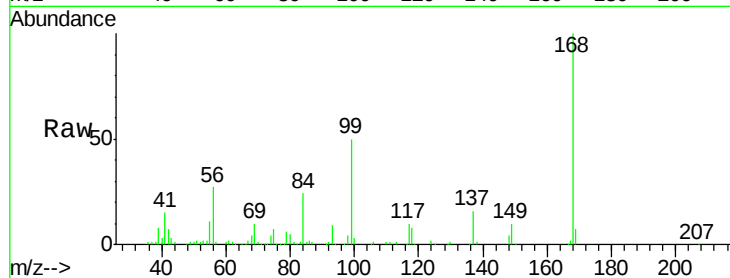
Tgt Ion: 56 Resp: 120212

Ion Ratio Lower Upper

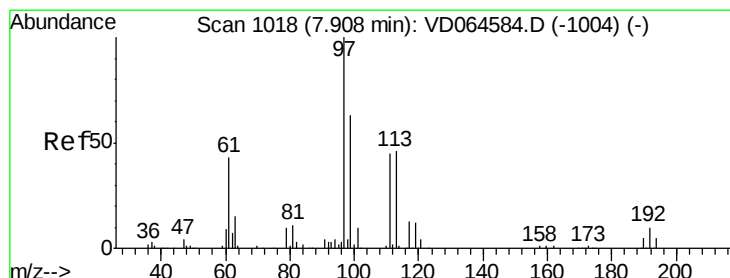
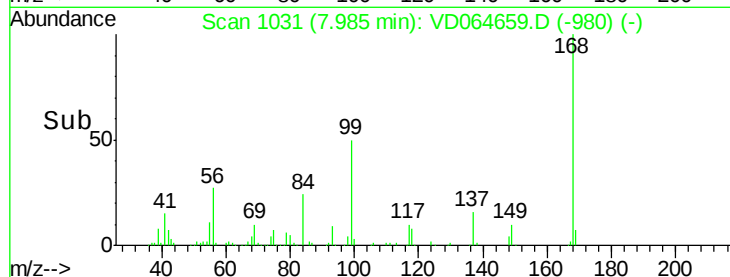
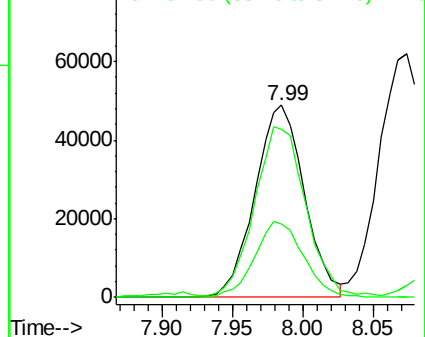
56 100

69 37.9 24.7 37.1#

84 85.9 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 19.286 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

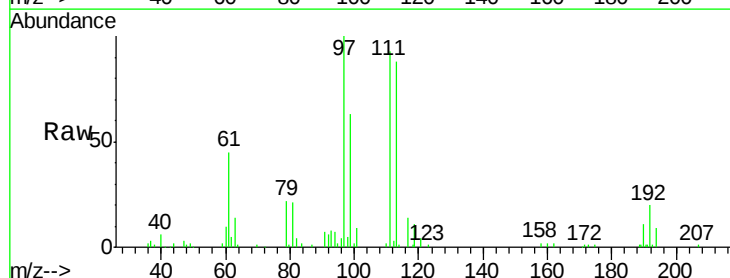
Tgt Ion: 97 Resp: 126122

Ion Ratio Lower Upper

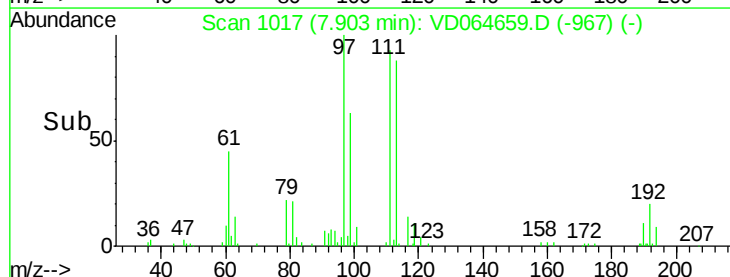
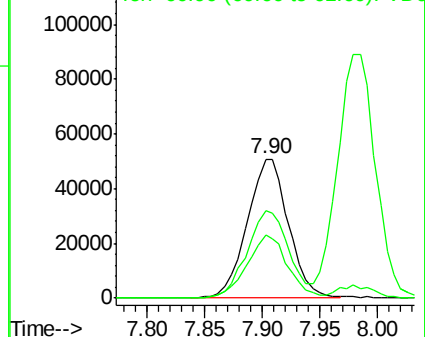
97 100

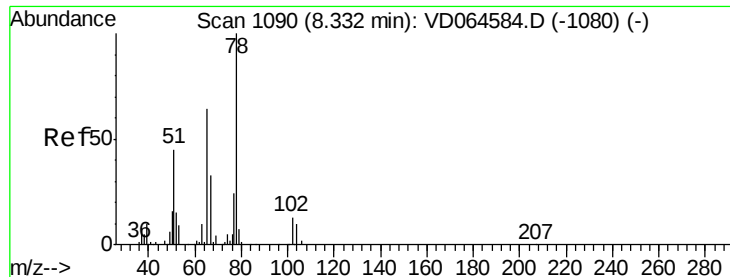
99 62.9 51.0 76.6

61 44.6 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.502 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

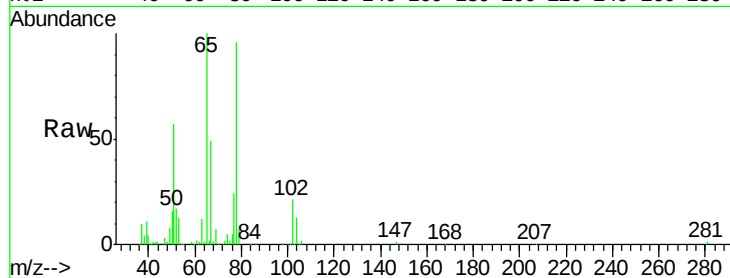
VD1227SBS02

Tgt Ion: 65 Resp: 194174

Ion Ratio Lower Upper

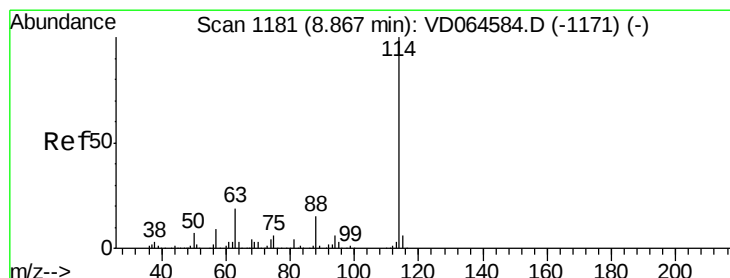
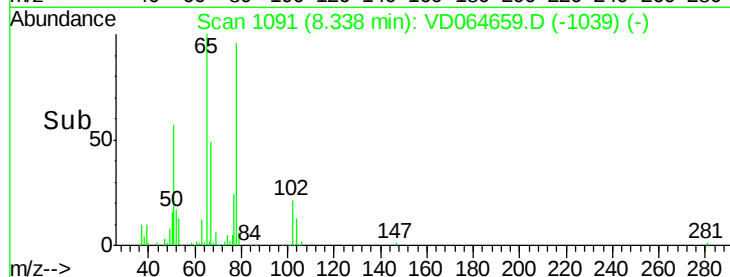
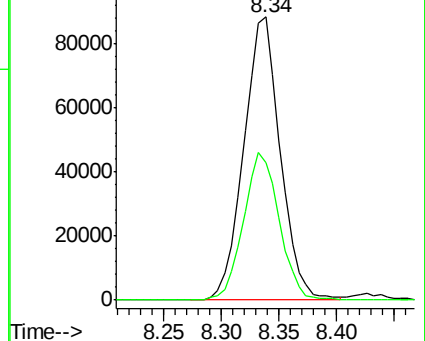
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

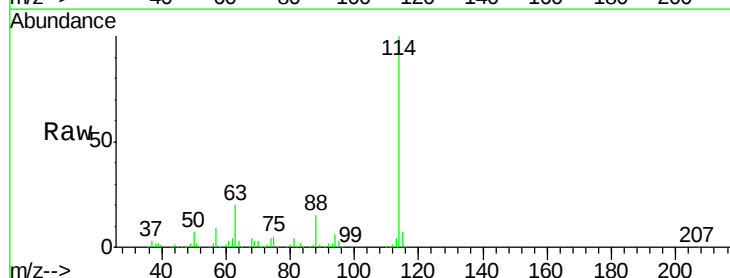
Tgt Ion: 114 Resp: 612063

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.0

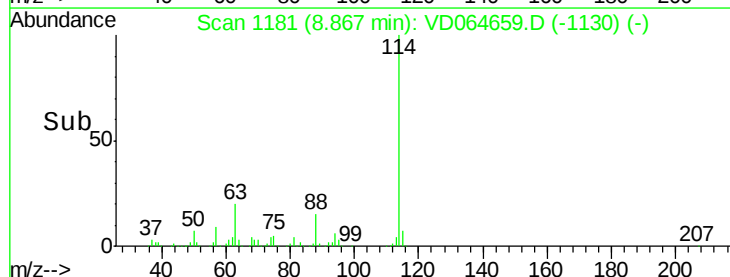
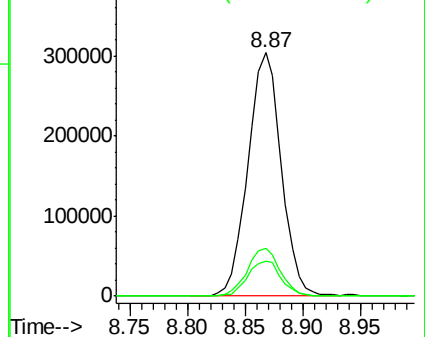
88 14.5 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

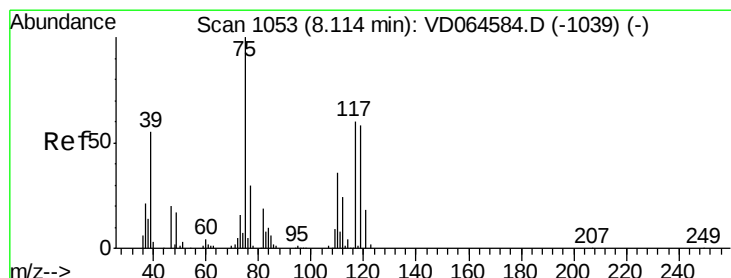
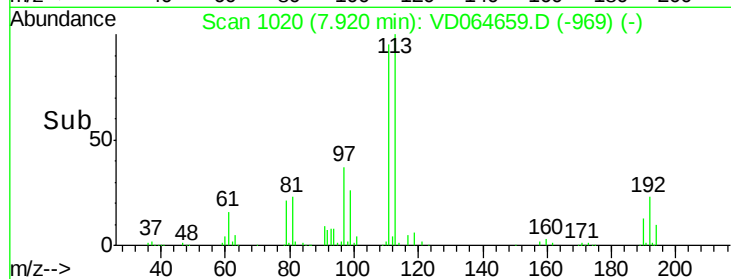
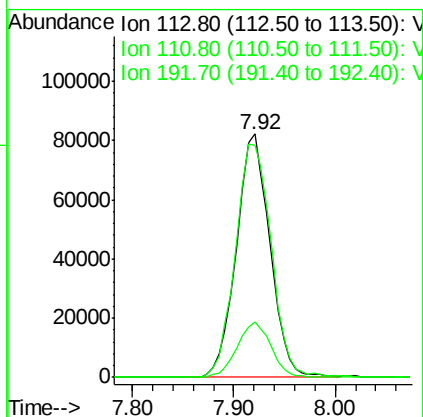
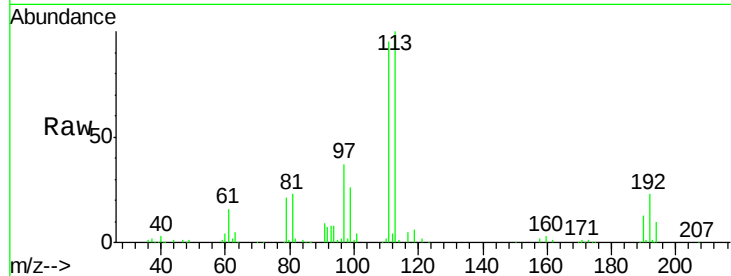




#35
 Dibromofluoromethane
 Concen: 50.455 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

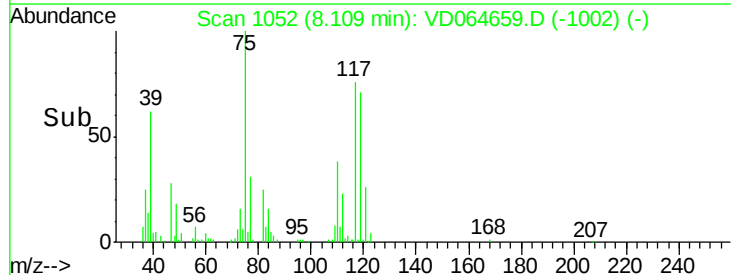
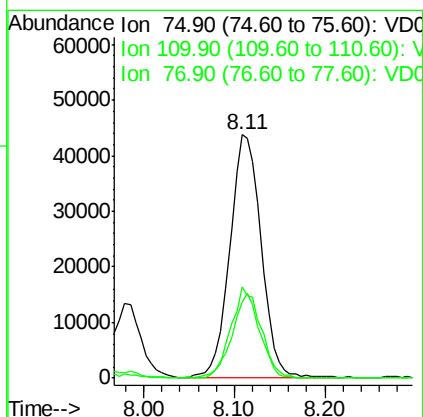
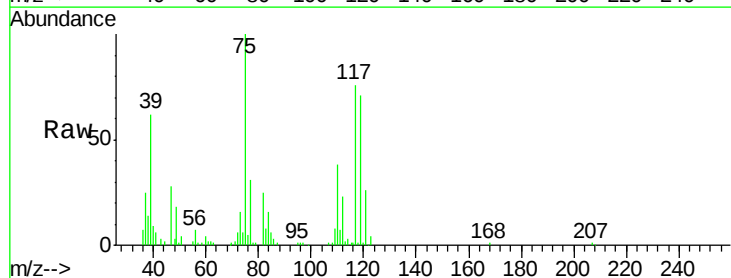
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

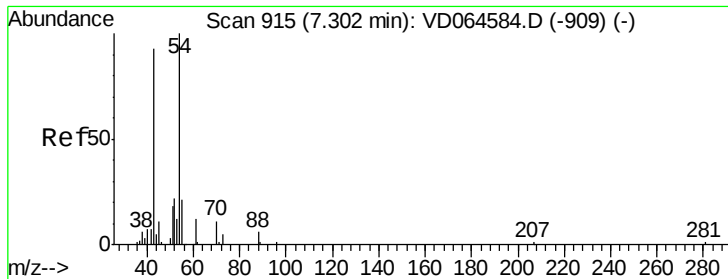
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.6	121.0
192	22.8	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 17.912 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.1
77	31.5	24.2	36.4

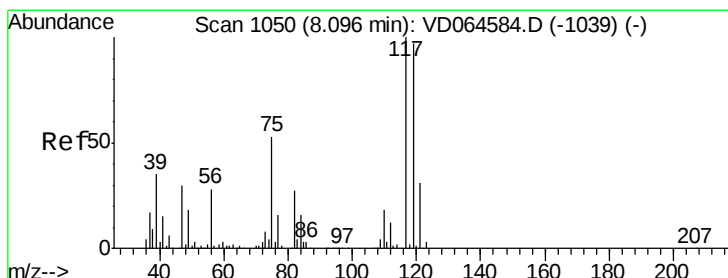
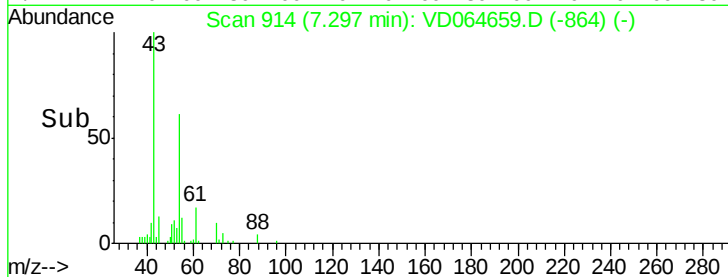
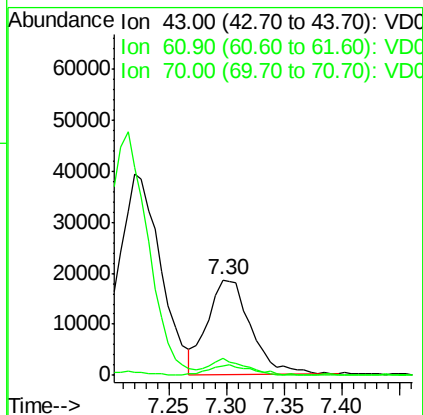
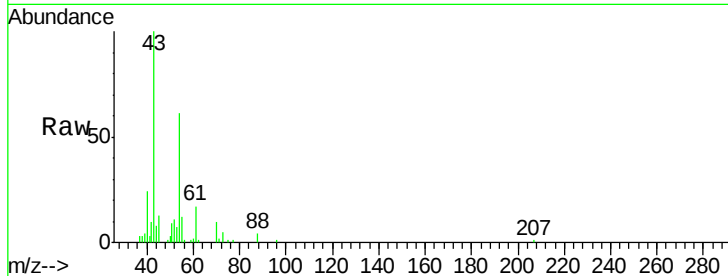




#37
Ethyl Acetate
Concen: 20.839 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

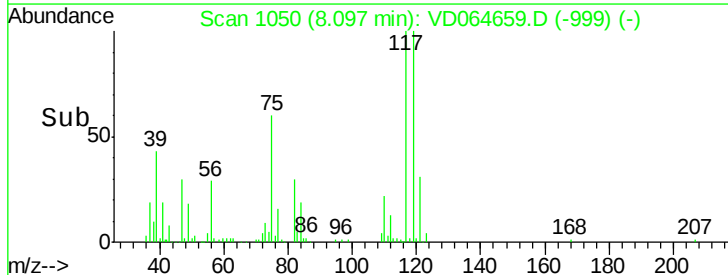
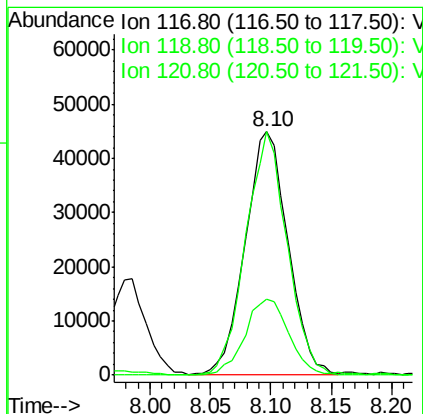
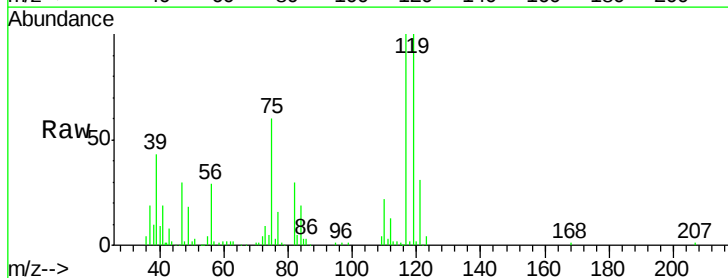
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 43 Resp: 48228
Ion Ratio Lower Upper
43 100
61 15.1 10.3 15.5
70 10.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 17.456 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 117 Resp: 109652
Ion Ratio Lower Upper
117 100
119 100.6 77.3 115.9
121 31.4 25.0 37.6

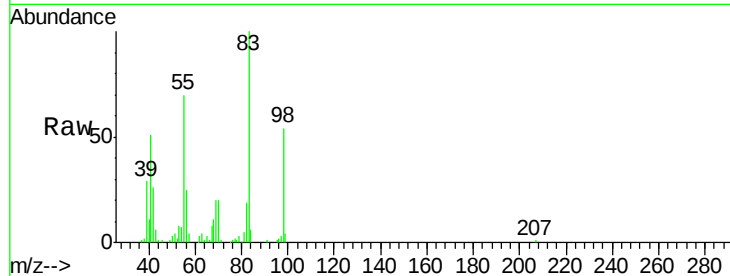




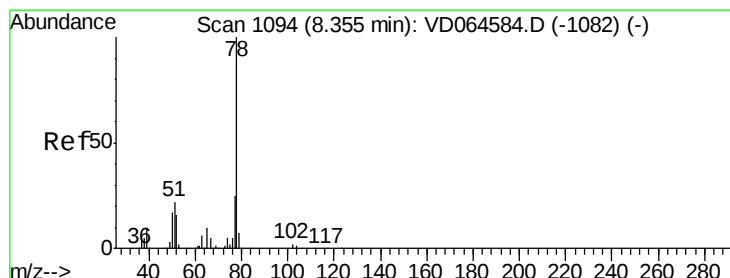
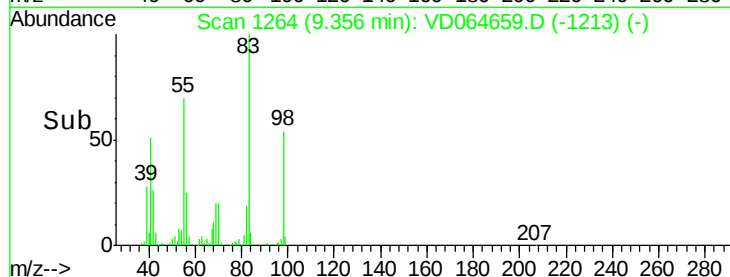
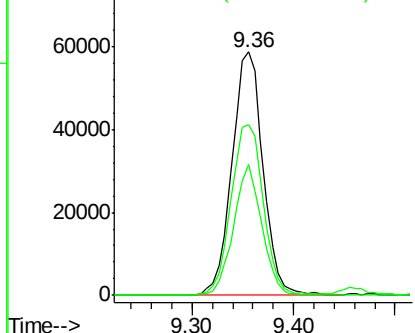
#39
Methylcyclohexane
Concen: 17.485 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion: 83 Resp: 124755
Ion Ratio Lower Upper
83 100
55 70.3 57.8 86.6
98 54.0 38.7 58.1

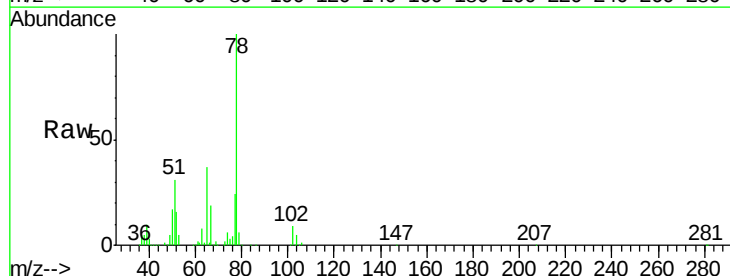


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

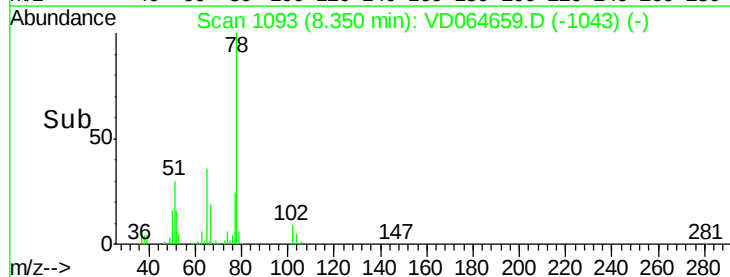
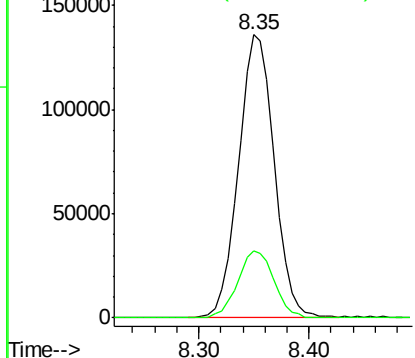


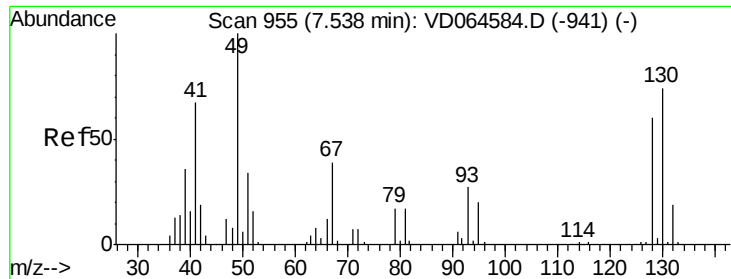
#40
Benzene
Concen: 19.164 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 78 Resp: 308189
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9



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

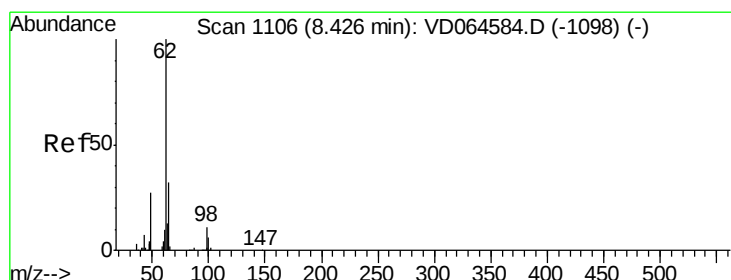
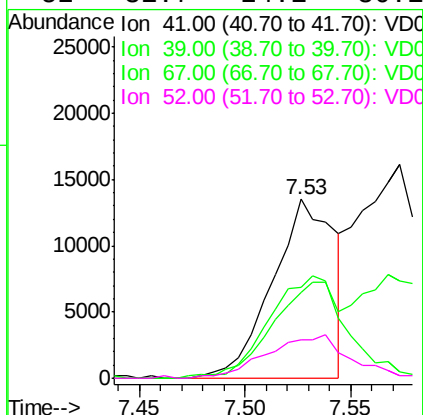
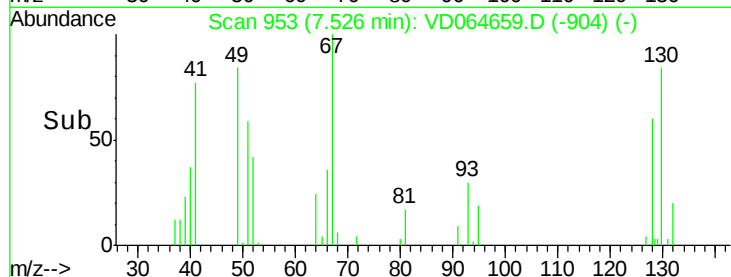
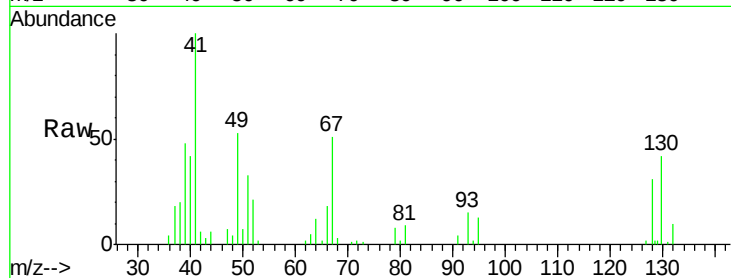




#41
Methacrylonitrile
Concen: 20.545 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

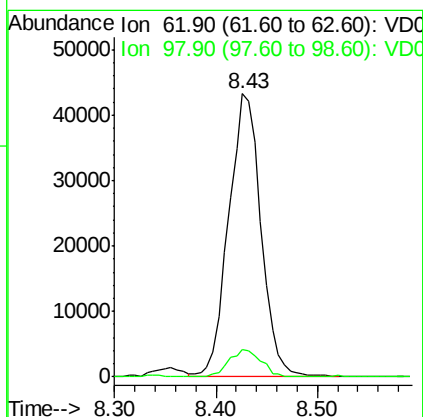
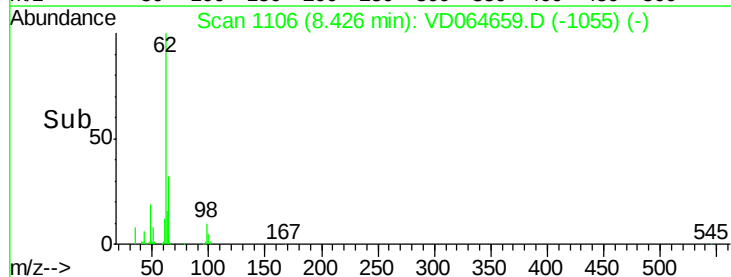
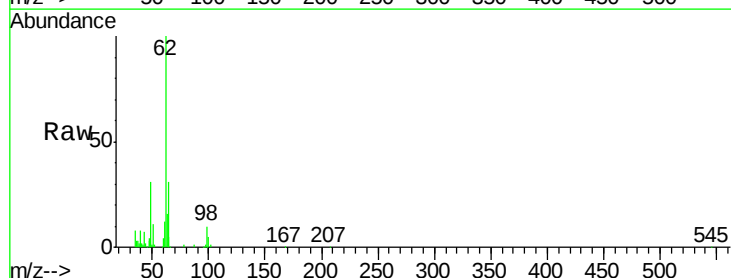
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

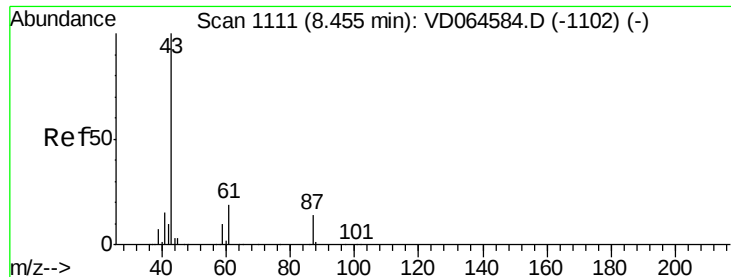
Tgt Ion:	41	Resp:	27587
Ion	Ratio	Lower	Upper
41	100		
39	55.1	46.7	70.1
67	71.4	52.5	78.7
52	31.7	24.1	36.1



#42
1,2-Dichloroethane
Concen: 20.607 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:	62	Resp:	95765
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.860 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

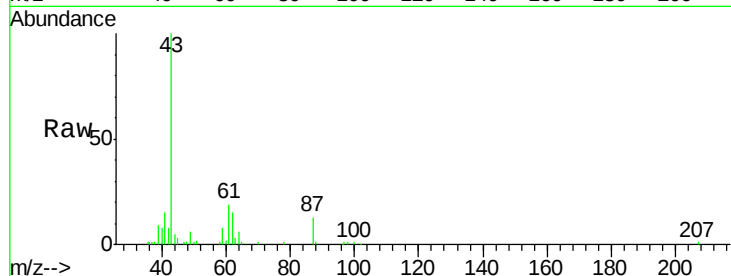
Tgt Ion: 43 Resp: 91485

Ion Ratio Lower Upper

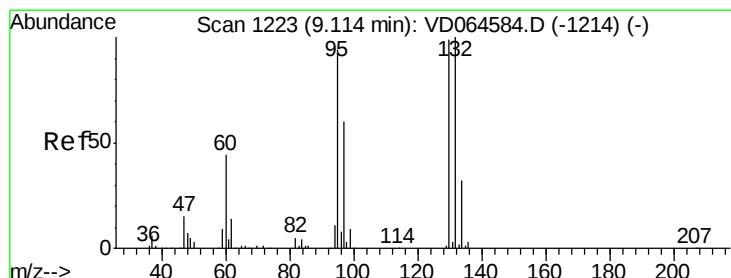
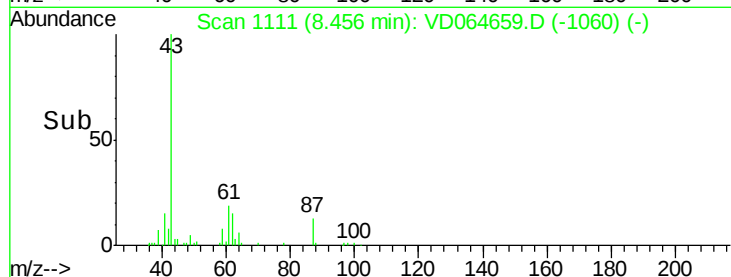
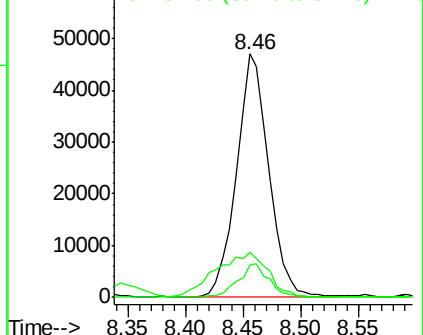
43 100

61 29.8 23.7 35.5

87 13.1 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: 18.458 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064659.D

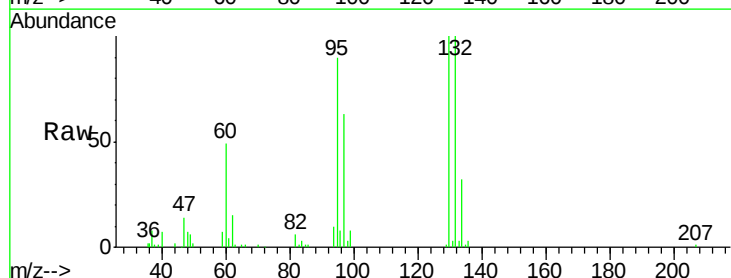
Acq: 27 Dec 2019 23:54

Tgt Ion: 130 Resp: 87201

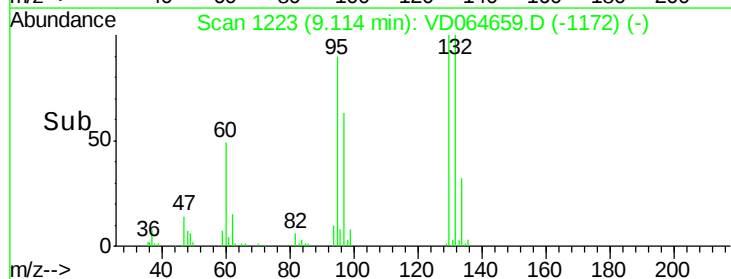
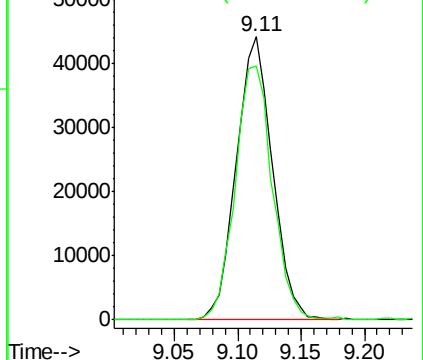
Ion Ratio Lower Upper

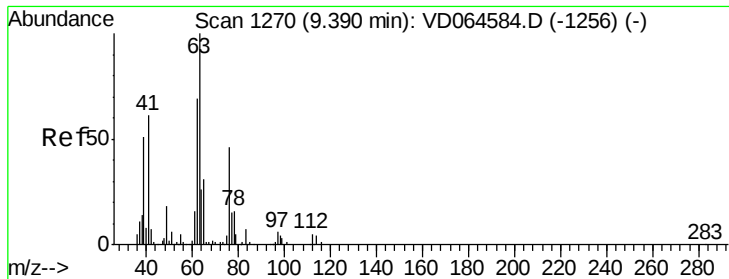
130 100

95 89.9 0.0 190.2



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





#45

1,2-Dichloropropane

Concen: 20.455 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

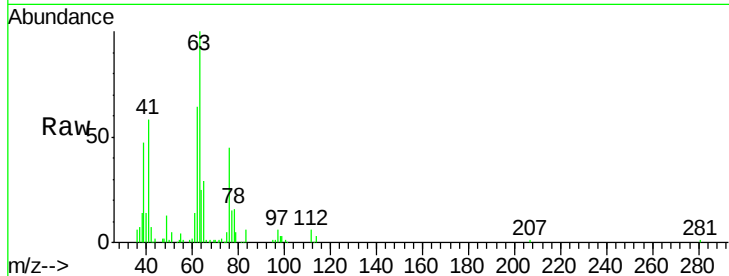
VD1227SBS02

Tgt Ion: 63 Resp: 78541

Ion Ratio Lower Upper

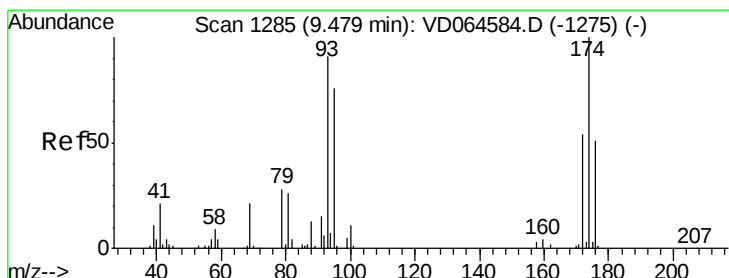
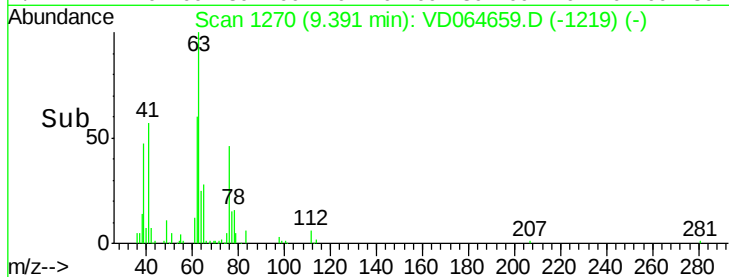
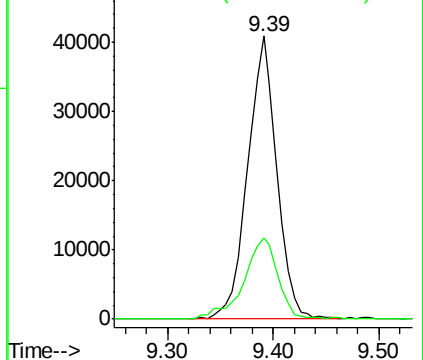
63 100

65 28.7 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.524 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

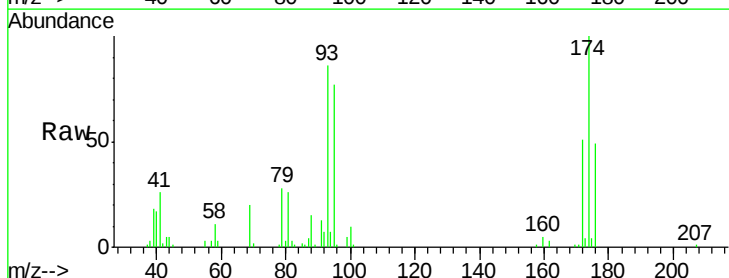
Tgt Ion: 93 Resp: 43938

Ion Ratio Lower Upper

93 100

95 82.7 64.6 97.0

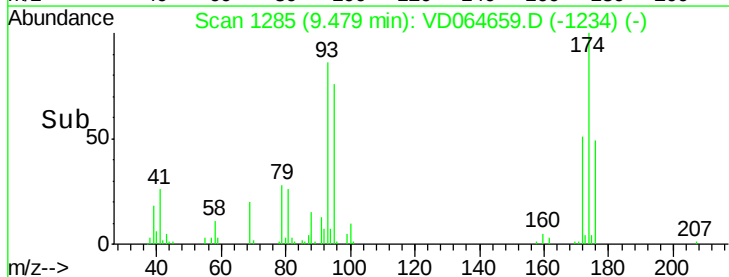
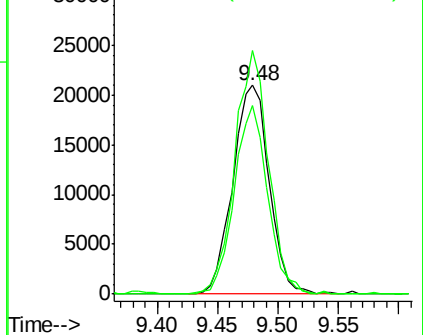
174 108.5 88.1 132.1

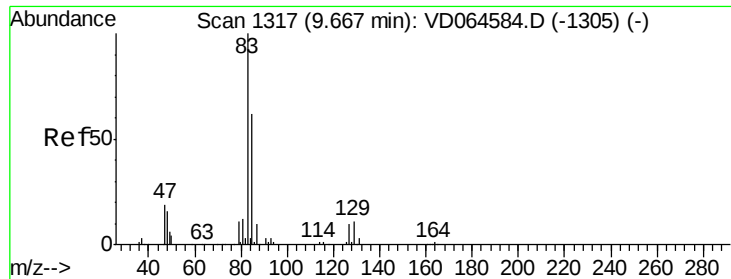


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.899 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

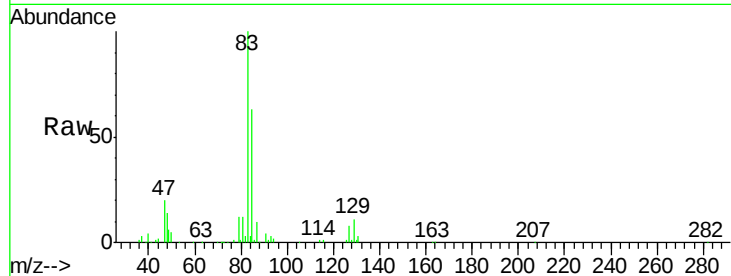
Tgt Ion: 83 Resp: 113356

Ion Ratio Lower Upper

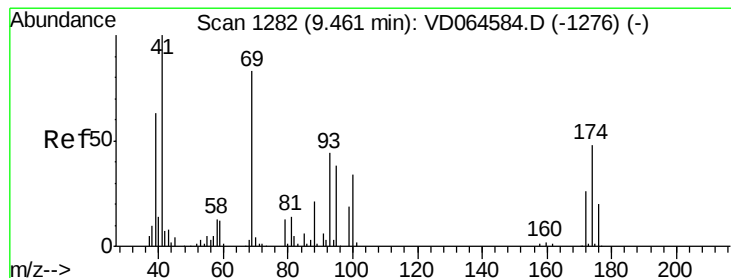
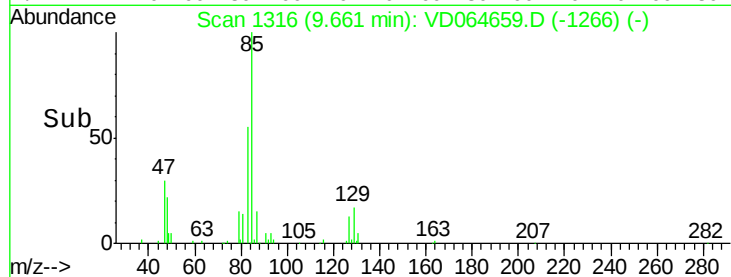
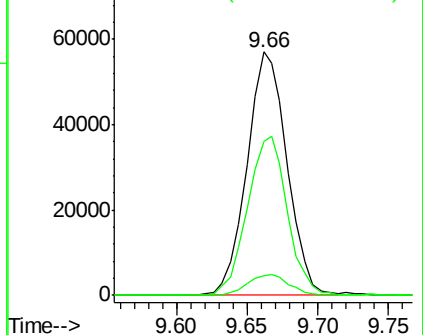
83 100

85 63.1 49.5 74.3

127 8.1 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: 19.640 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

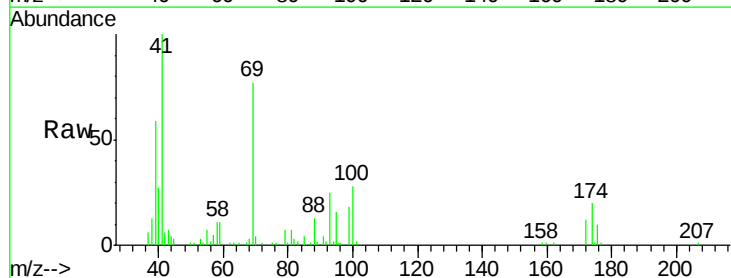
Tgt Ion: 41 Resp: 42598

Ion Ratio Lower Upper

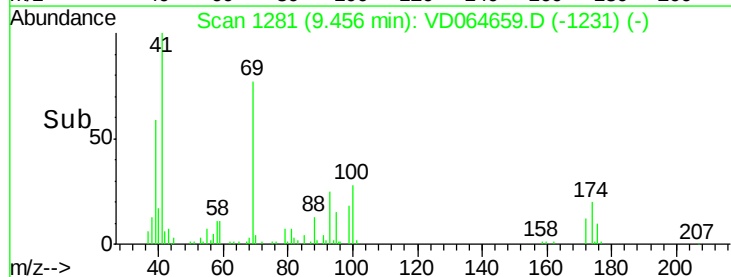
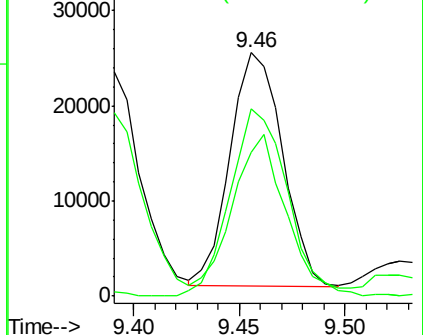
41 100

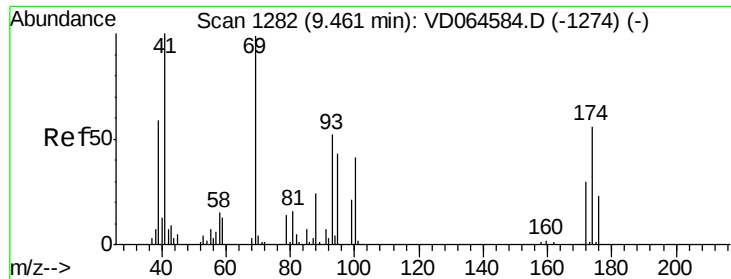
69 87.1 63.0 94.6

39 70.8 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

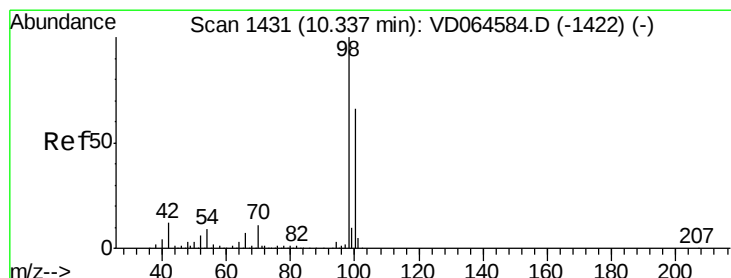
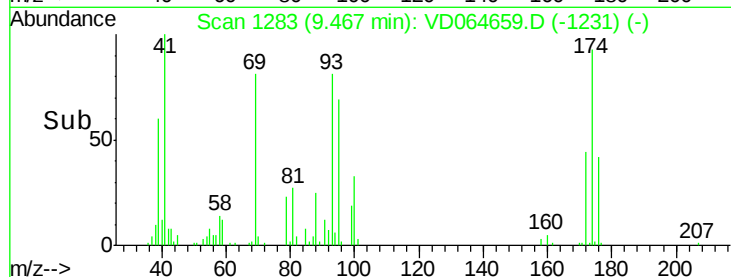
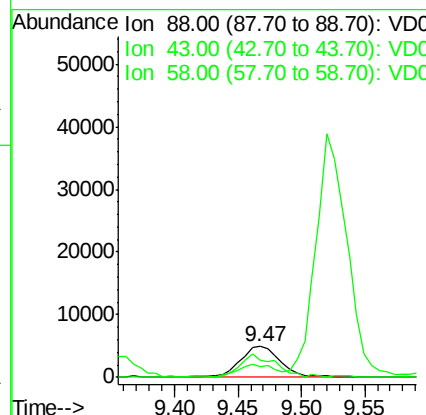
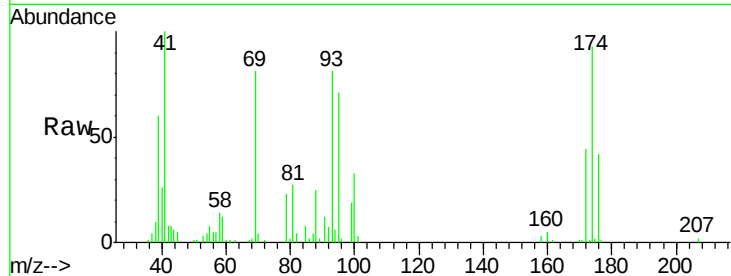




#49
1,4-Dioxane
Concen: 442.494 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

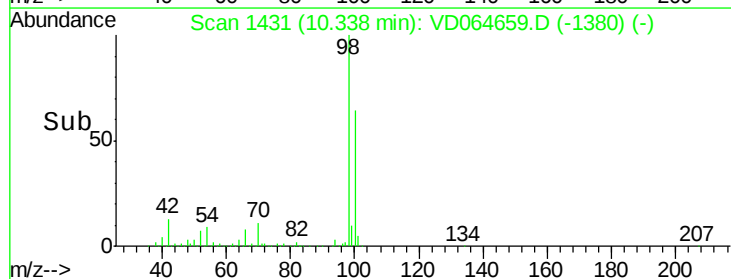
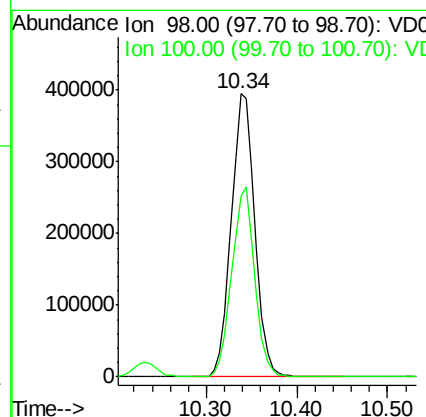
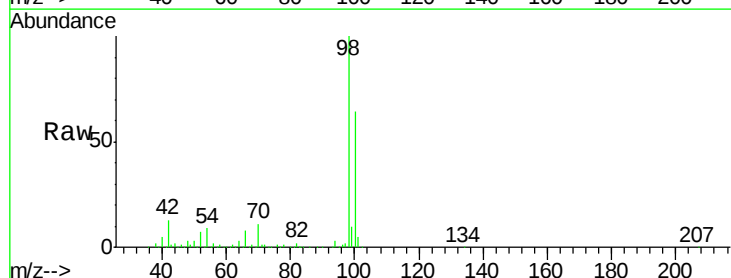
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

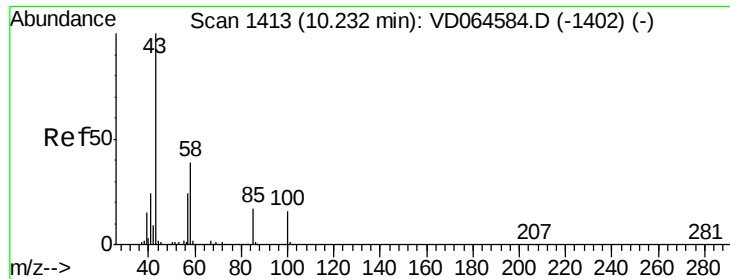
Tgt Ion: 88 Resp: 10923
Ion Ratio Lower Upper
88 100
43 37.5 27.7 41.5
58 65.0 53.8 80.6



#50
Toluene-d8
Concen: 49.779 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 98 Resp: 715910
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

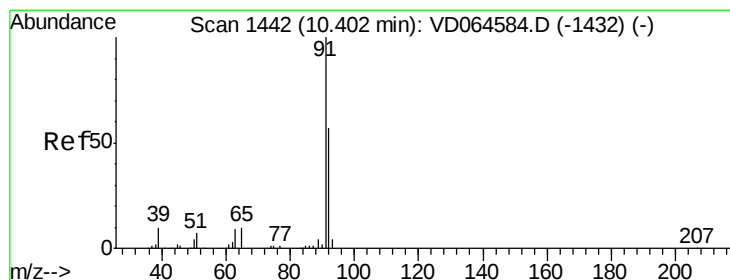
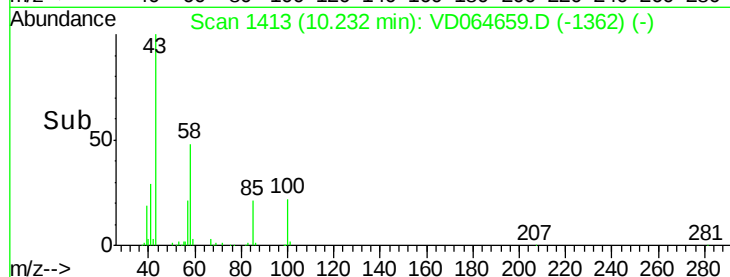
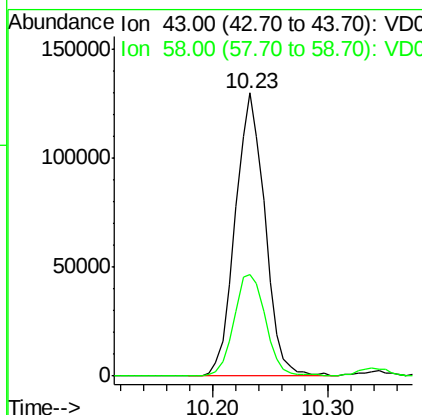
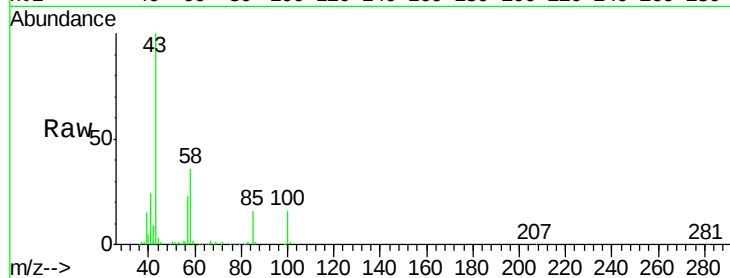




#51
 4-Methyl-2-Pentanone
 Concen: 101.601 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

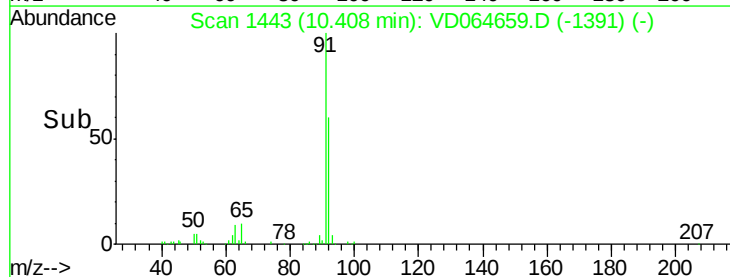
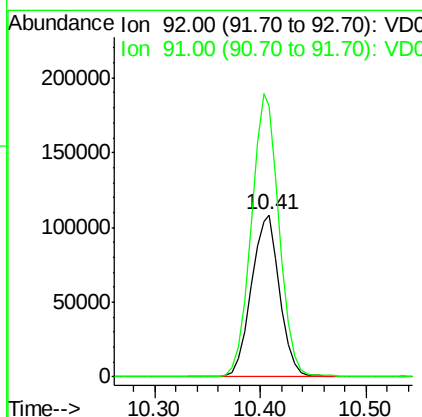
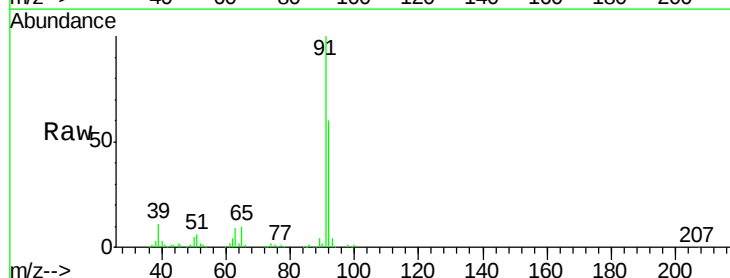
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

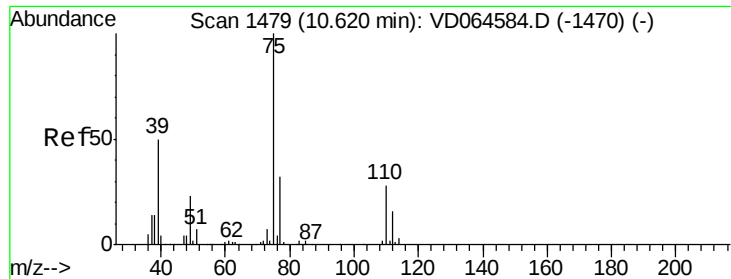
Tgt Ion: 43 Resp: 231333
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.2 45.2



#52
 Toluene
 Concen: 19.141 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 92 Resp: 201959
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.7 208.1

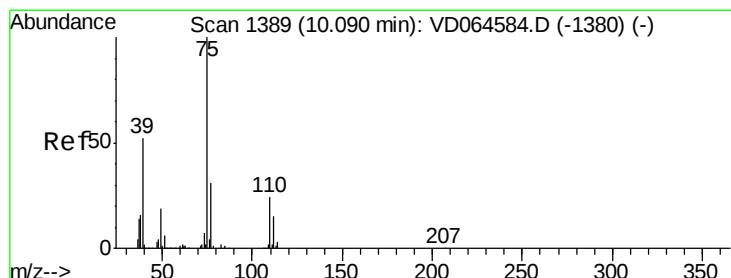
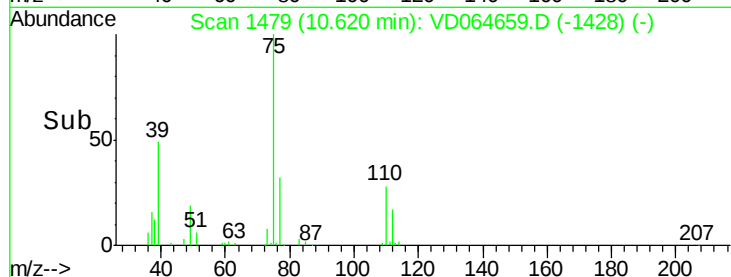
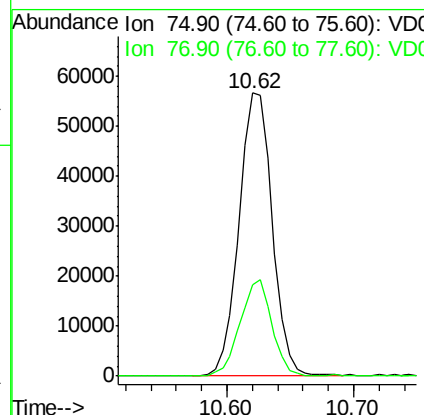
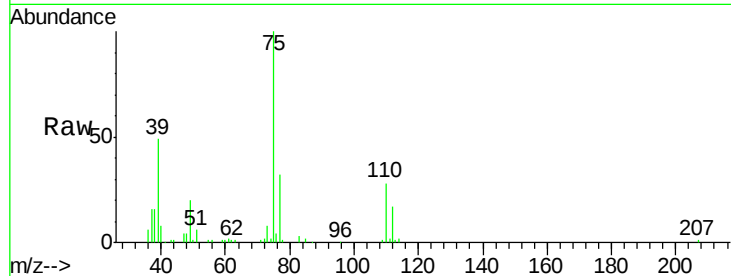




#53
 t-1,3-Dichloropropene
 Concen: 19.370 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

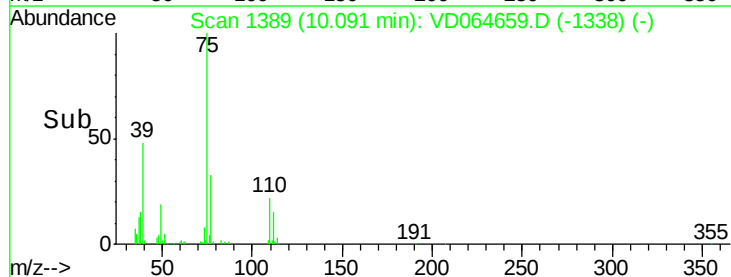
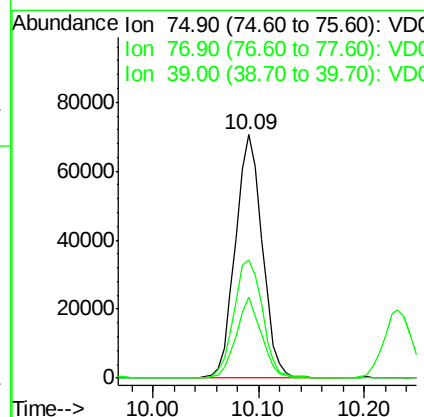
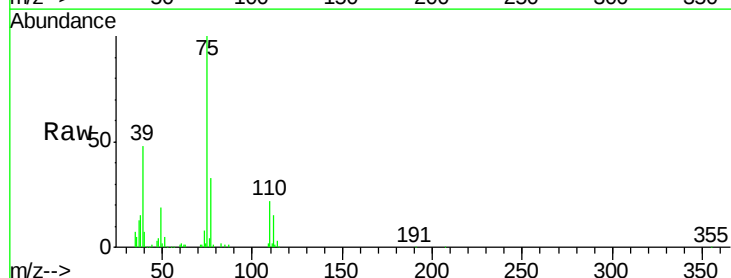
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

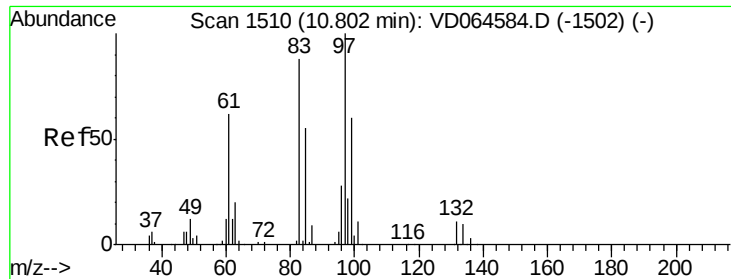
Tgt Ion: 75 Resp: 102878
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.764 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 75 Resp: 123772
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.6 36.8
 39 48.5 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 20.248 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

Tgt Ion: 97 Resp: 58418

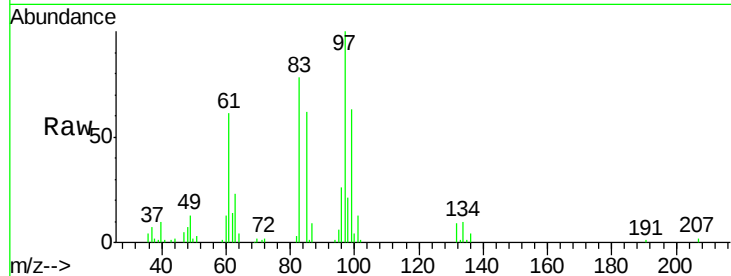
Ion Ratio Lower Upper

97 100

83 78.5 70.2 105.4

85 61.9 44.0 66.0

99 63.3 47.8 71.6



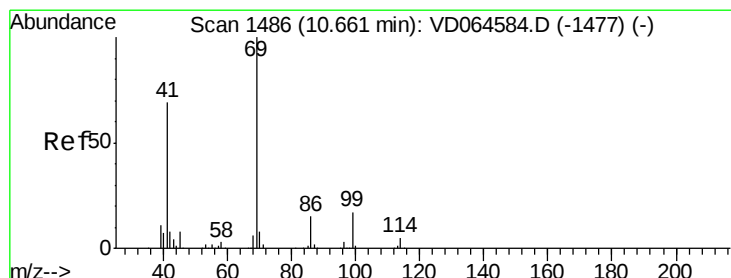
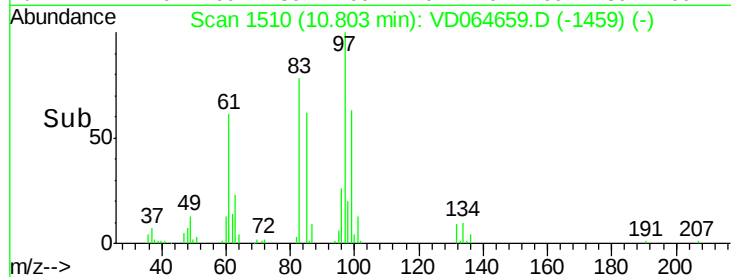
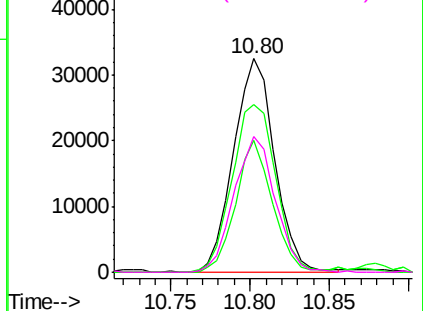
Abundance

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: 19.639 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

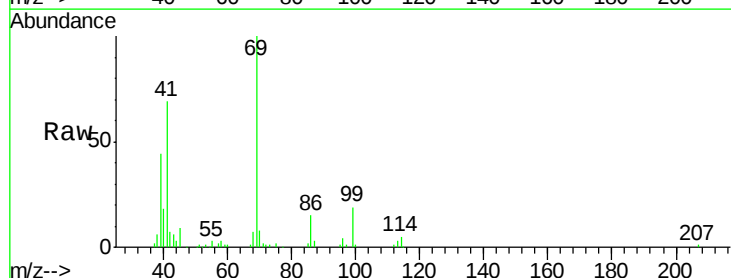
Tgt Ion: 69 Resp: 70764

Ion Ratio Lower Upper

69 100

41 73.8 55.3 82.9

39 44.3 33.8 50.8

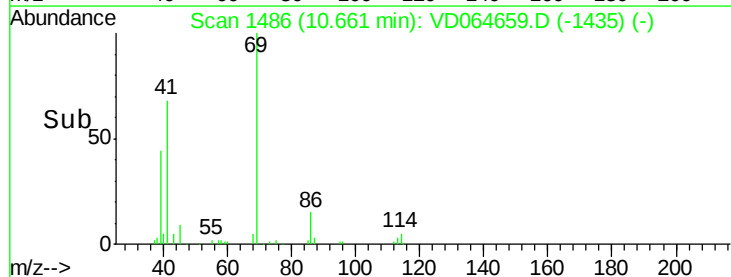
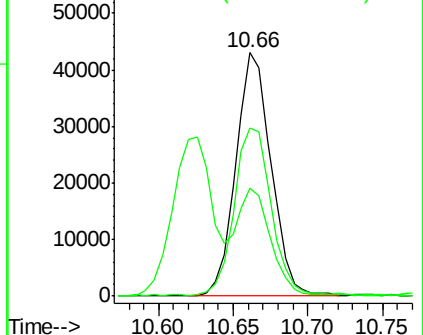


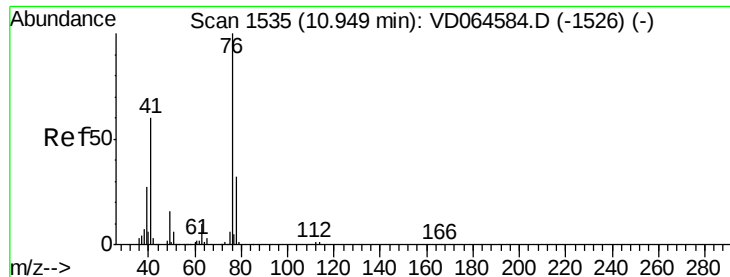
Abundance

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: 20.580 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

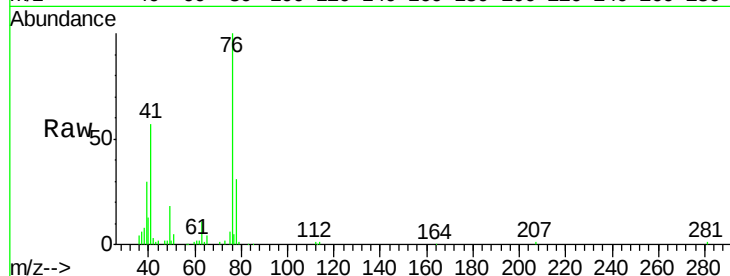
VD1227SBS02

Tgt Ion: 76 Resp: 102232

Ion Ratio Lower Upper

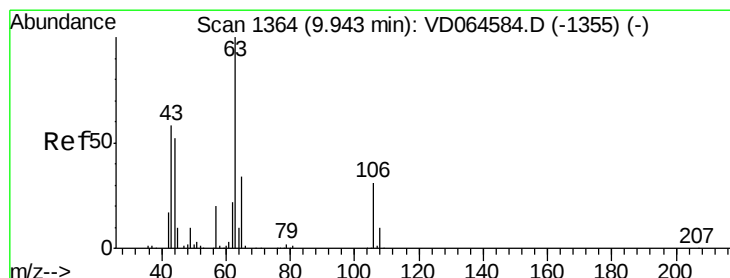
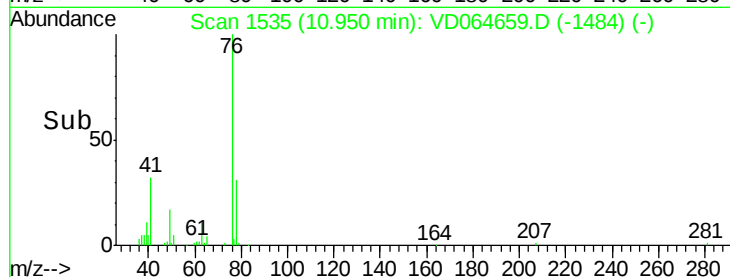
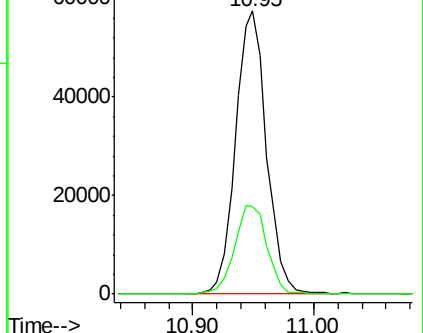
76 100

78 32.9 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.887 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064659.D

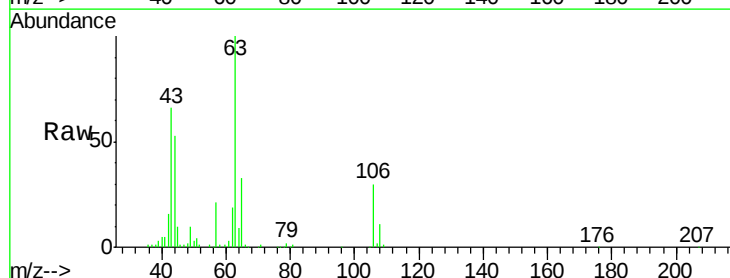
Acq: 27 Dec 2019 23:54

Tgt Ion: 63 Resp: 145358

Ion Ratio Lower Upper

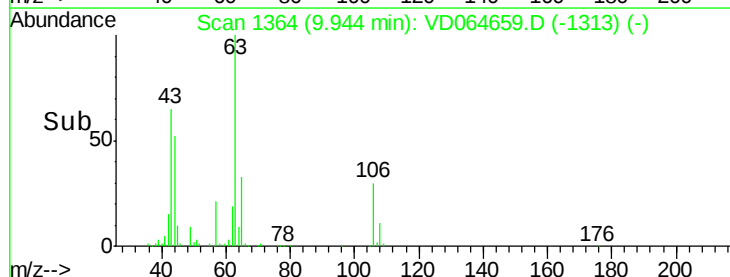
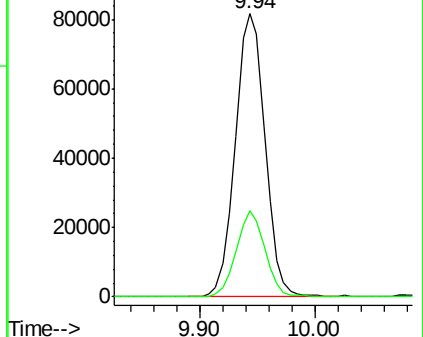
63 100

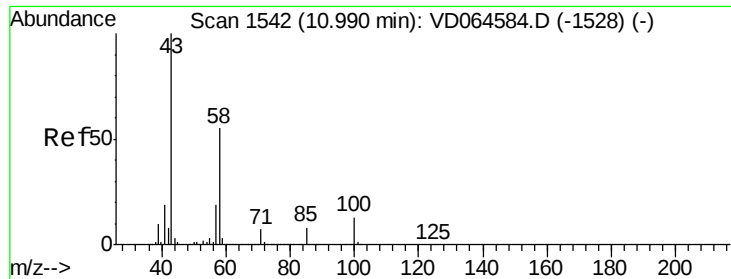
106 29.4 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

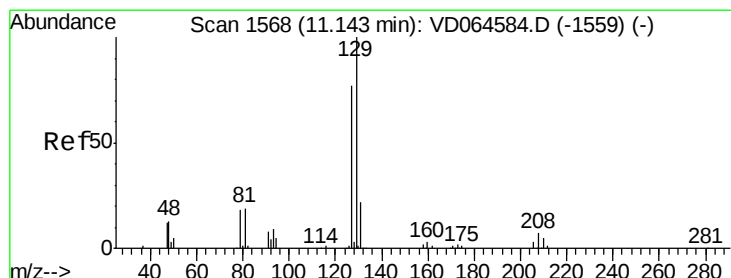
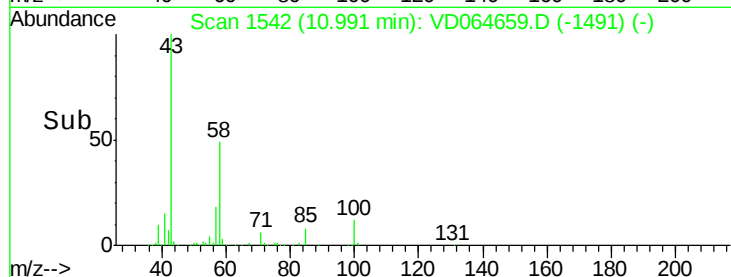
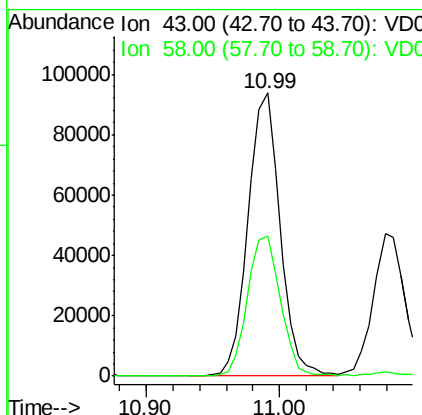
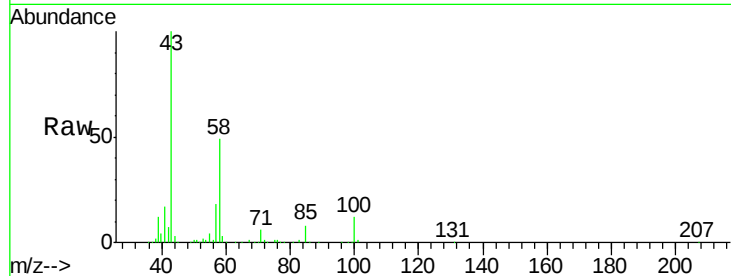




#59
2-Hexanone
Concen: 100.574 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

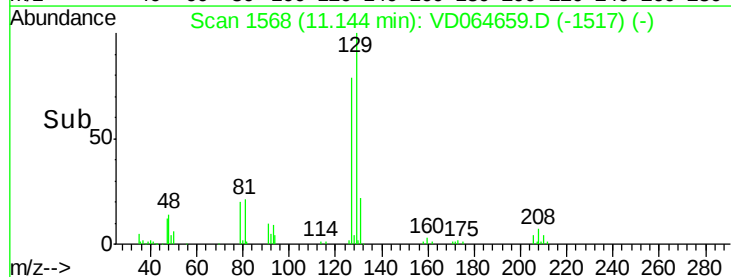
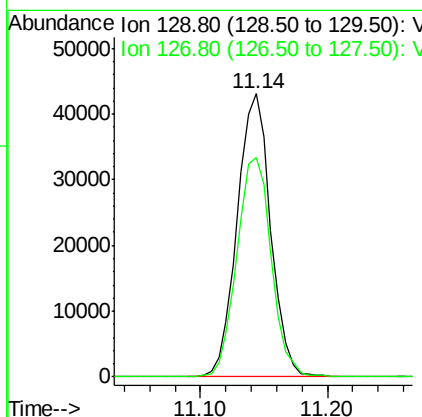
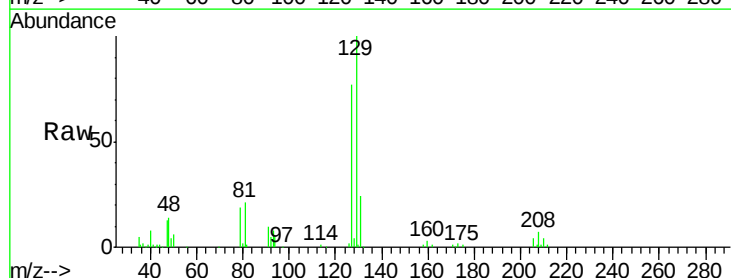
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

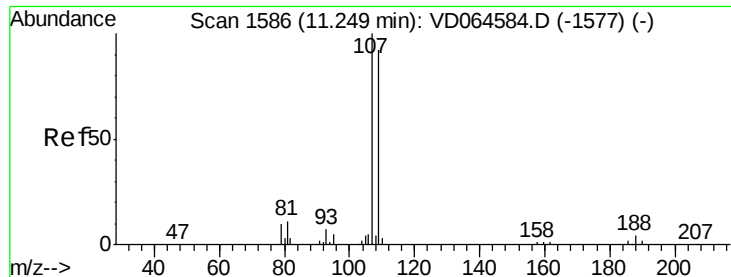
Tgt Ion: 43 Resp: 155424
Ion Ratio Lower Upper
43 100
58 51.2 26.4 79.0



#60
Dibromochloromethane
Concen: 19.745 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion: 129 Resp: 78777
Ion Ratio Lower Upper
129 100
127 79.9 38.4 115.2

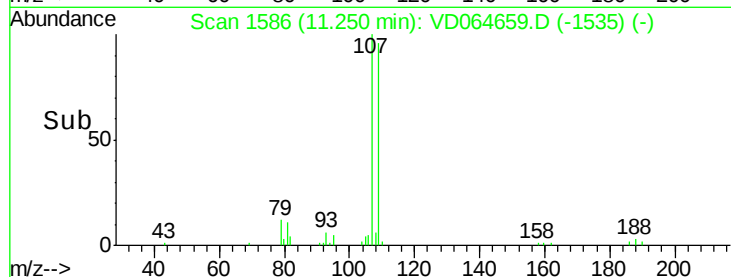
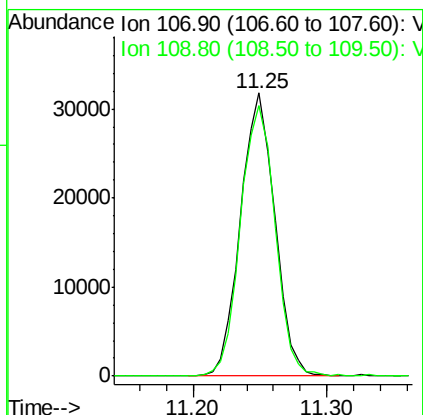
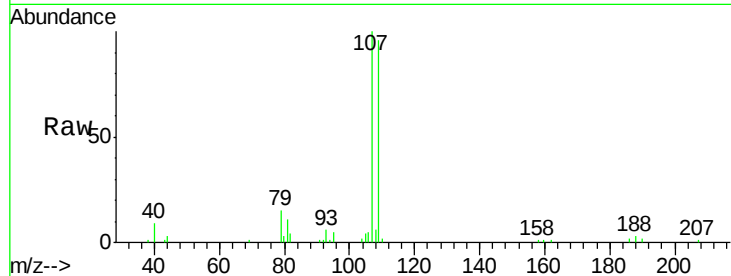




#61
 1,2-Dibromoethane
 Concen: 19.851 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

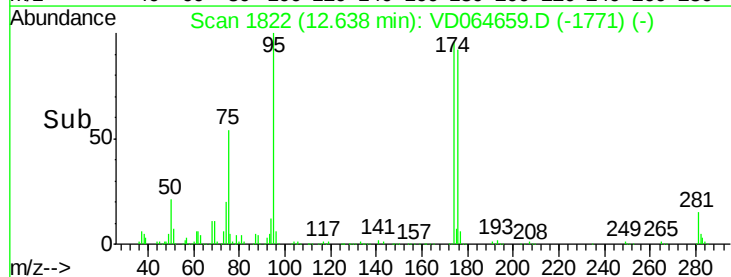
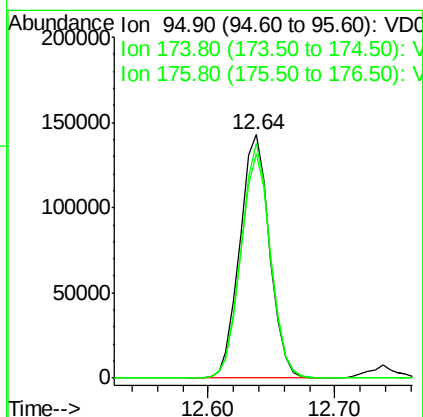
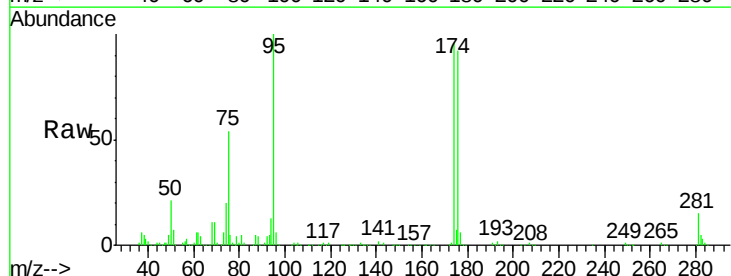
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

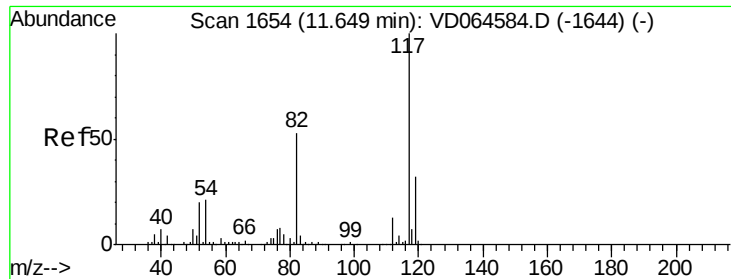
Tgt Ion: 107 Resp: 56488
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.346 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 95 Resp: 233504
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 193.2
 176 91.9 0.0 184.2

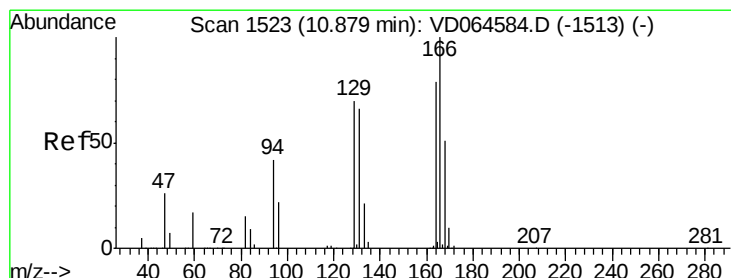
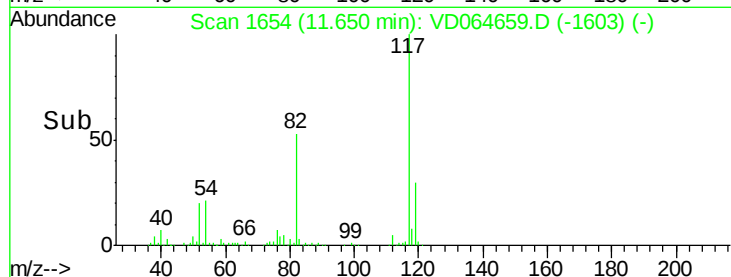
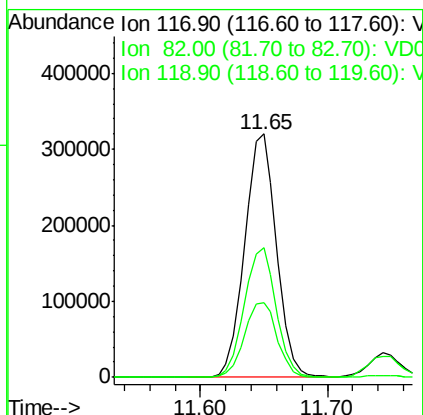
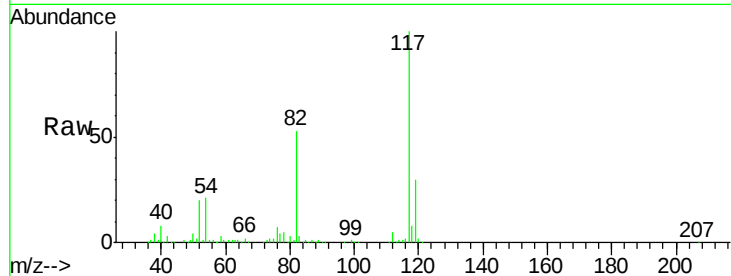




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

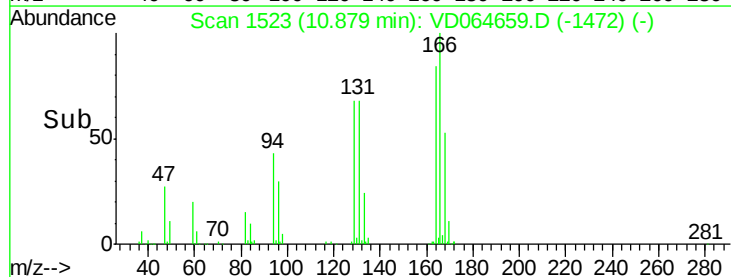
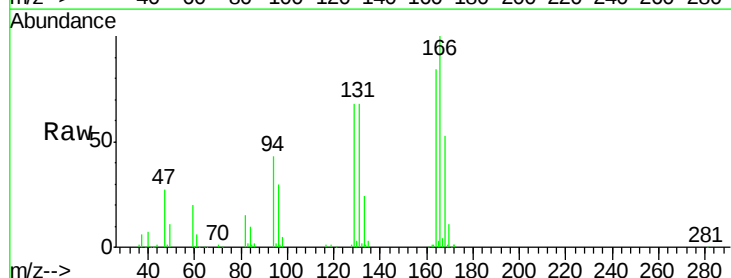
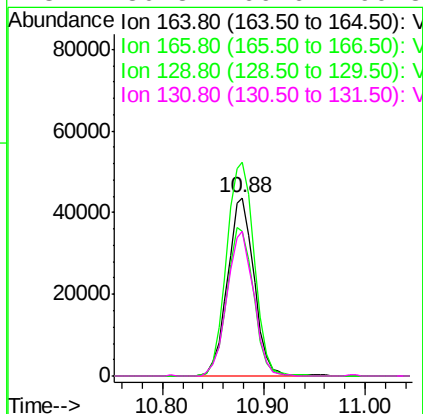
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion:117 Resp: 557866
Ion Ratio Lower Upper
117 100
82 53.3 42.2 63.4
119 30.5 26.0 39.0



#64
Tetrachloroethene
Concen: 18.471 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:164 Resp: 79055
Ion Ratio Lower Upper
164 100
166 119.7 101.3 151.9
129 81.1 70.5 105.7
131 80.8 66.6 99.8

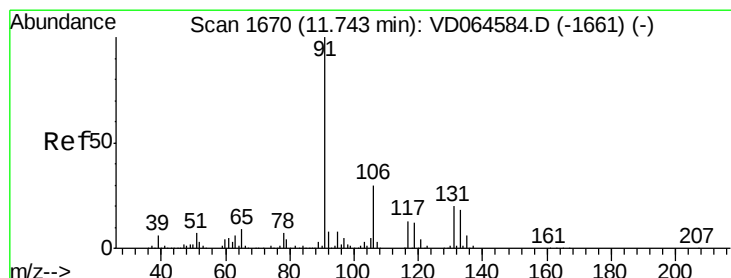
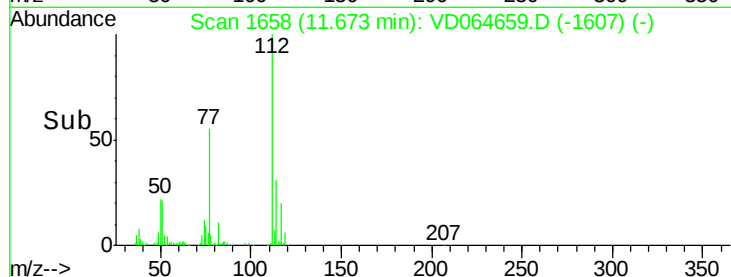
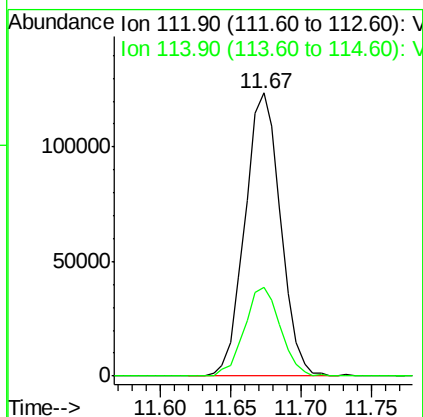
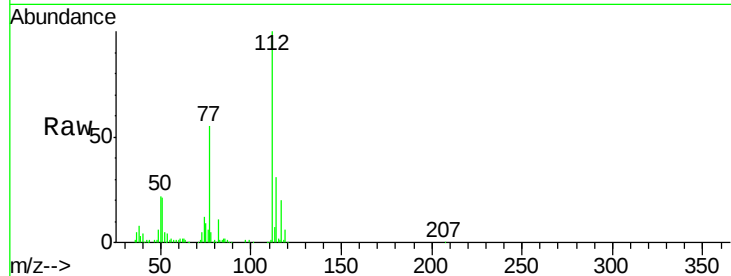




#65
Chlorobenzene
Concen: 18.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

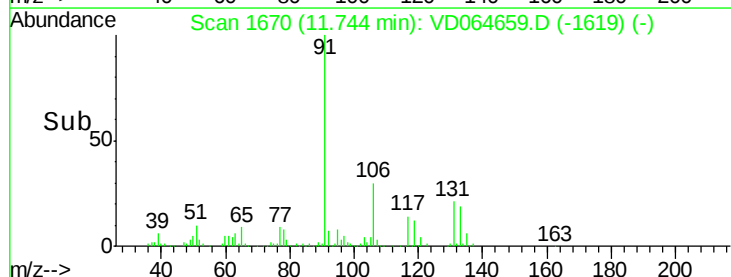
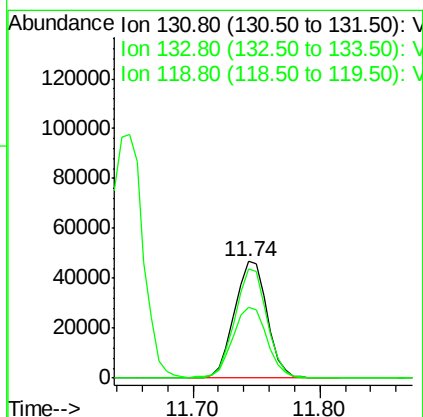
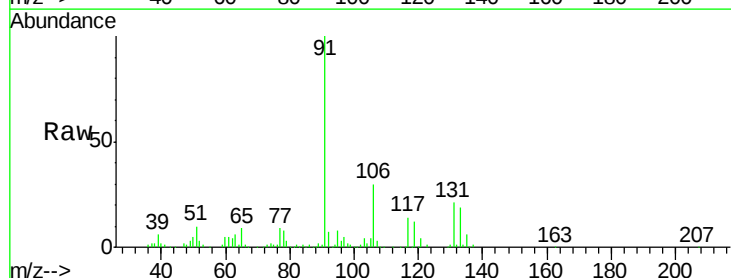
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion:112 Resp: 219019
Ion Ratio Lower Upper
112 100
114 31.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:131 Resp: 83570
Ion Ratio Lower Upper
131 100
133 92.1 48.3 144.8
119 63.8 32.1 96.3





#67

Ethyl Benzene

Concen: 17.942 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

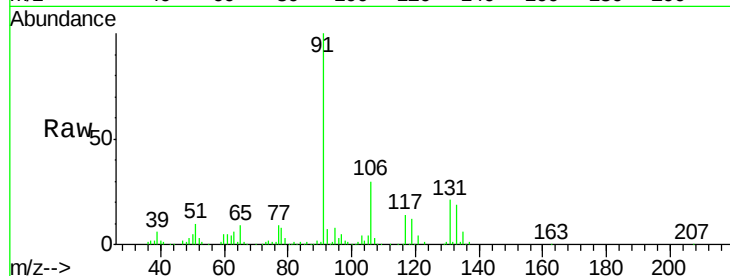
VD1227SBS02

Tgt Ion: 91 Resp: 377062

Ion Ratio Lower Upper

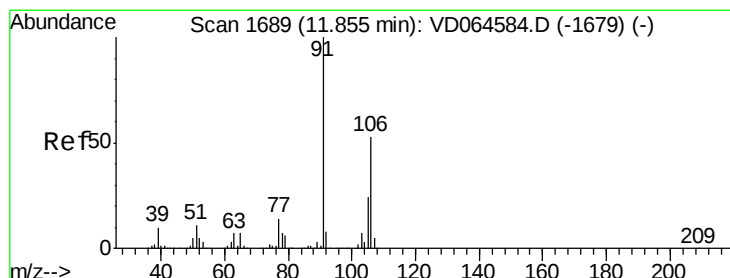
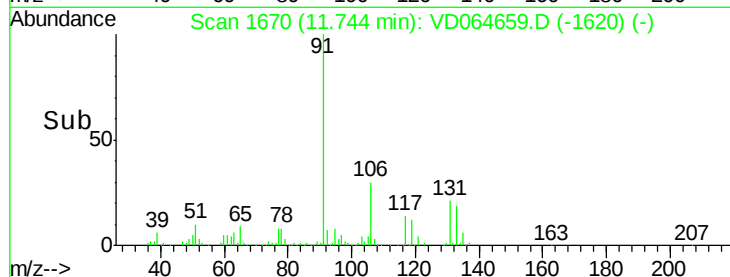
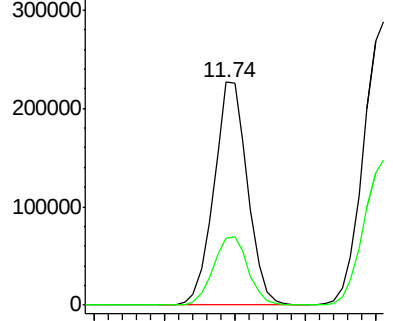
91 100

106 30.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 36.041 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064659.D

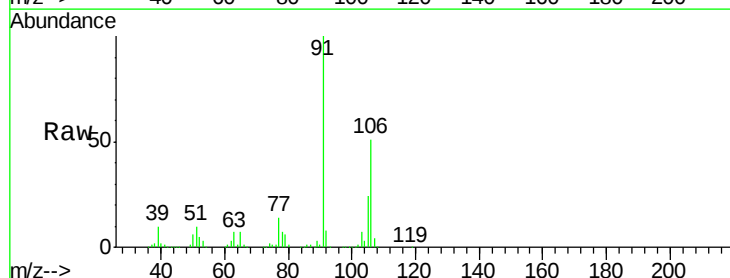
Acq: 27 Dec 2019 23:54

Tgt Ion: 106 Resp: 292347

Ion Ratio Lower Upper

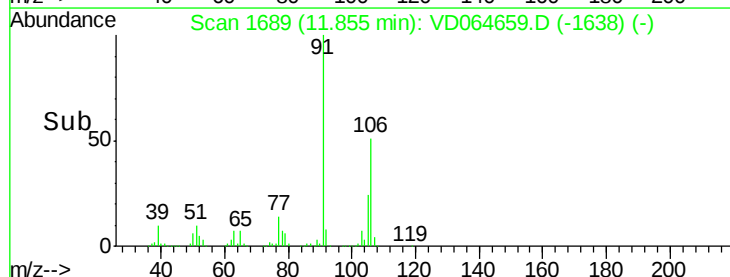
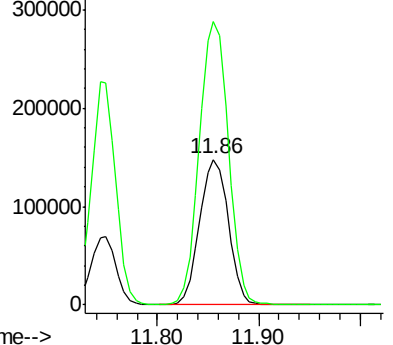
106 100

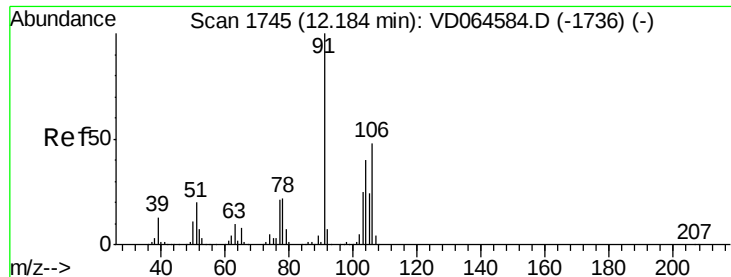
91 196.6 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

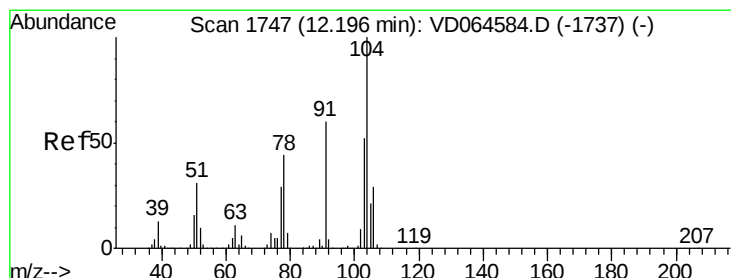
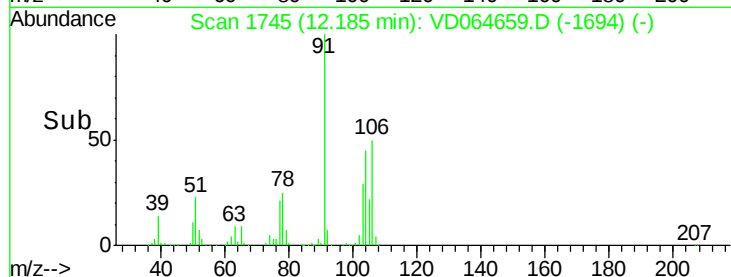
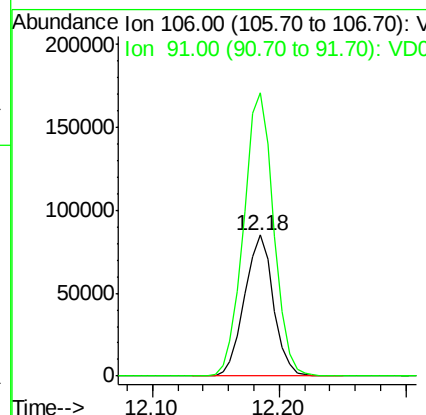
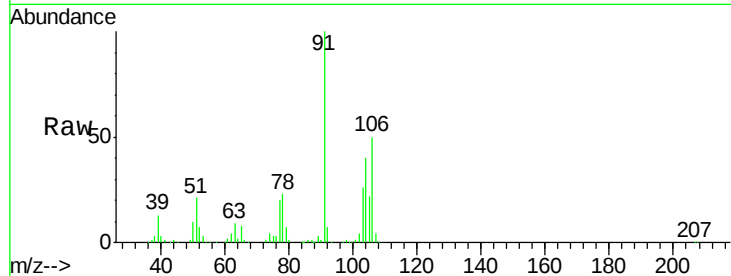




#69
o-Xylene
Concen: 18.344 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

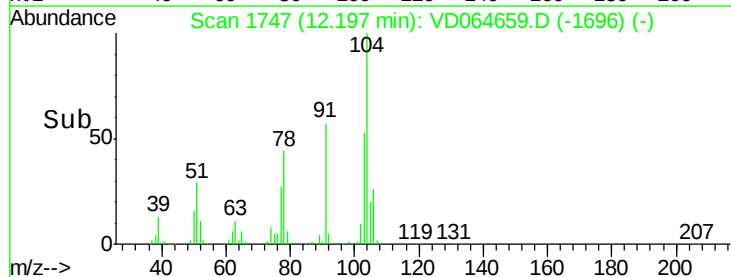
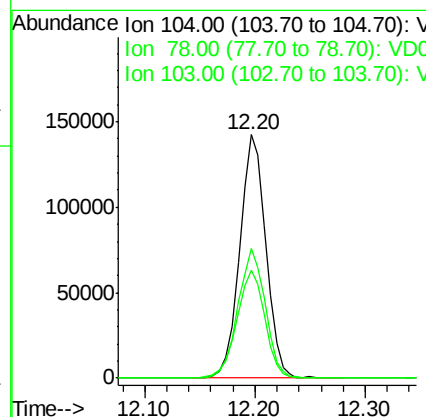
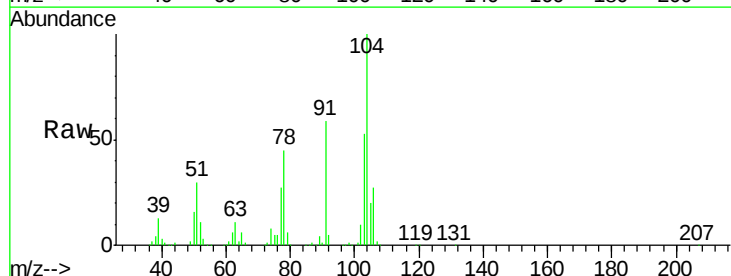
Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

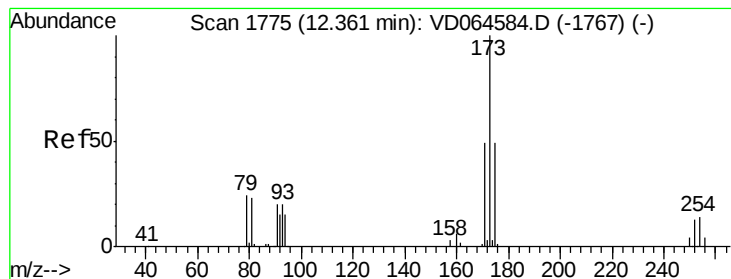
Tgt Ion:106 Resp: 134399
Ion Ratio Lower Upper
106 100
91 208.1 104.8 314.4



#70
Styrene
Concen: 18.352 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:104 Resp: 236017
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.8 44.6 67.0





#71

Bromoform

Concen: 19.366 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

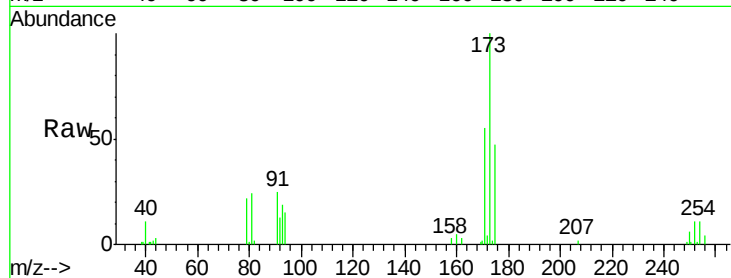
Tgt Ion:173 Resp: 48206

Ion Ratio Lower Upper

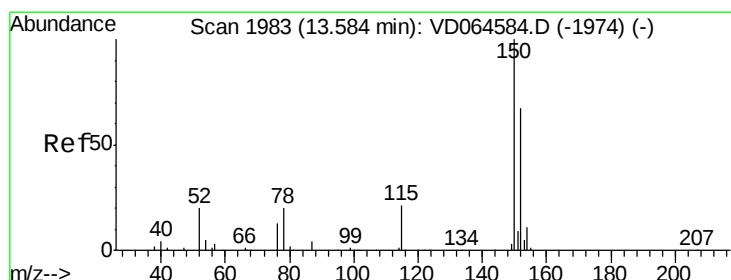
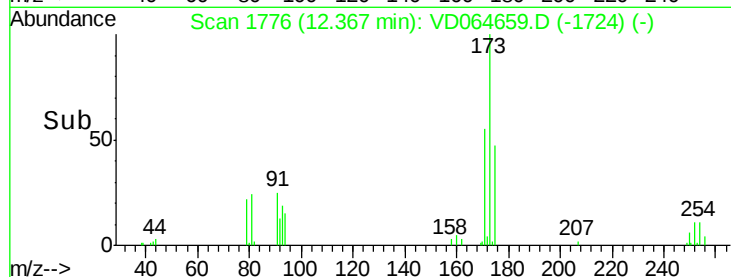
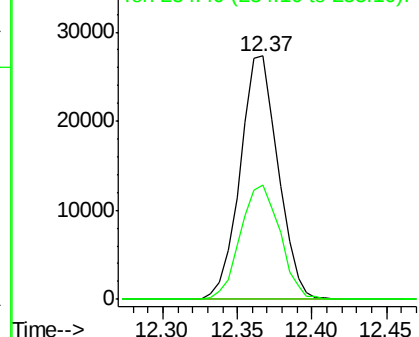
173 100

175 49.0 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: VD064659.D

Acq: 27 Dec 2019 23:54

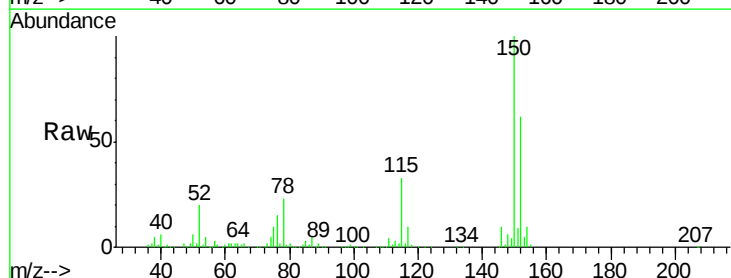
Tgt Ion:152 Resp: 280365

Ion Ratio Lower Upper

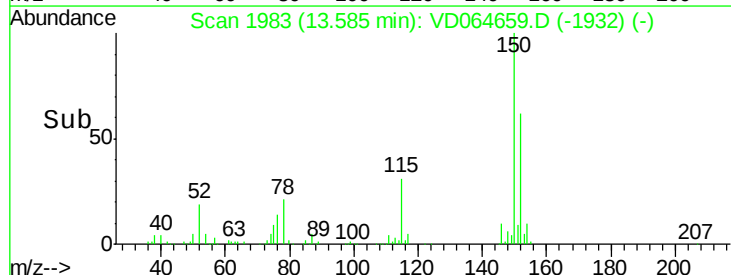
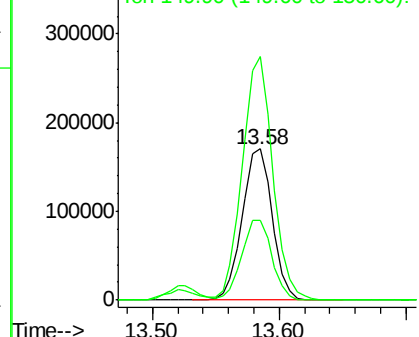
152 100

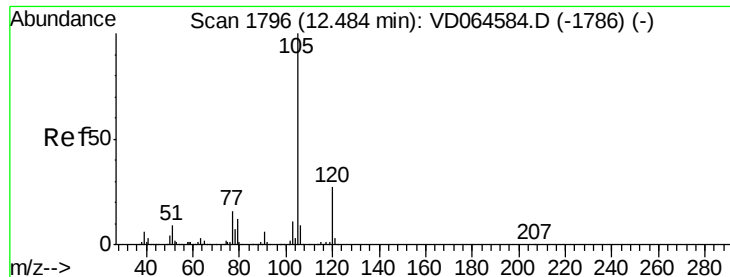
115 53.1 27.8 83.4

150 163.0 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: 17.669 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

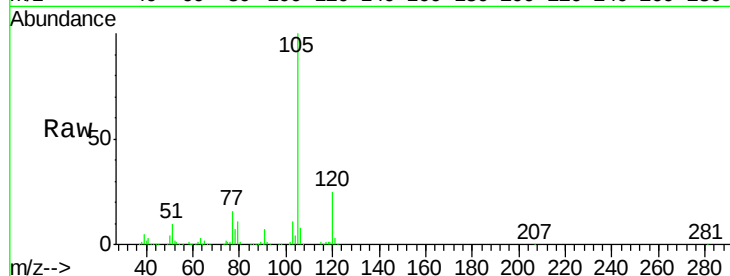
VD1227SBS02

Tgt Ion: 105 Resp: 354016

Ion Ratio Lower Upper

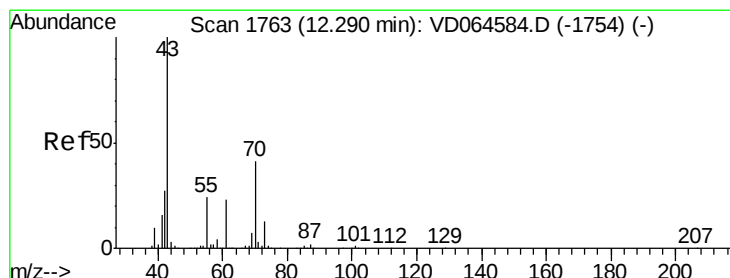
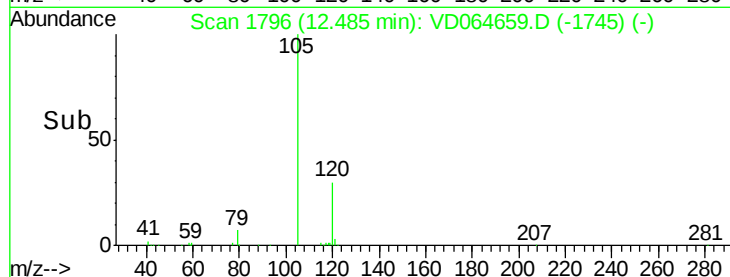
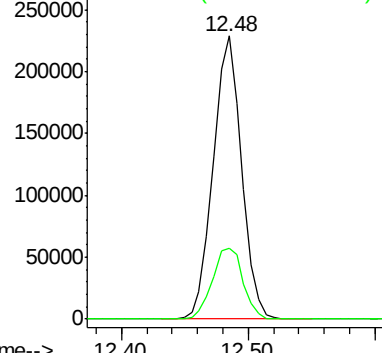
105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.956 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Tgt Ion: 43 Resp: 81184

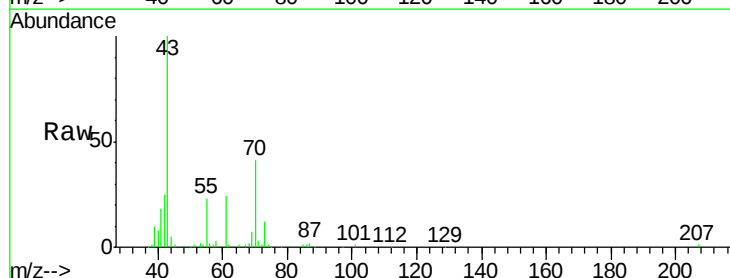
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.0

55 24.7 19.4 29.0

61 23.0 18.3 27.5

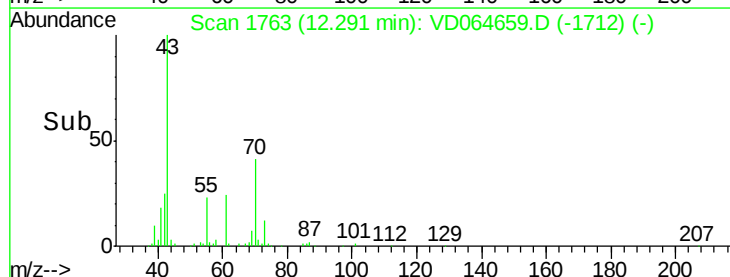
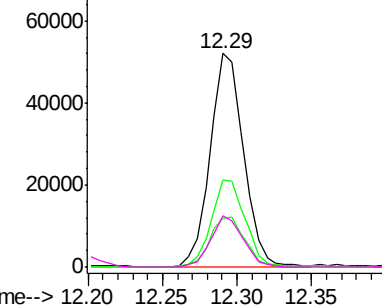


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.179 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

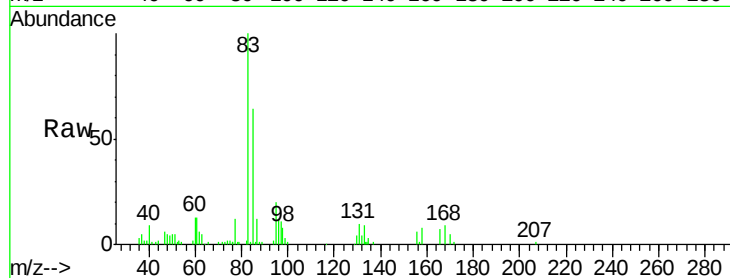
Tgt Ion: 83 Resp: 63510

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

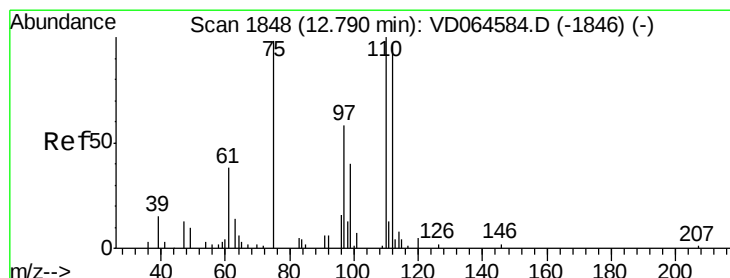
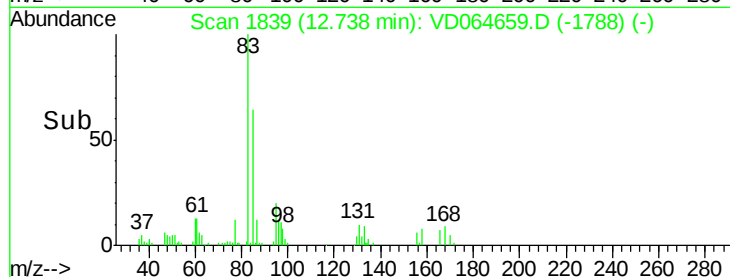
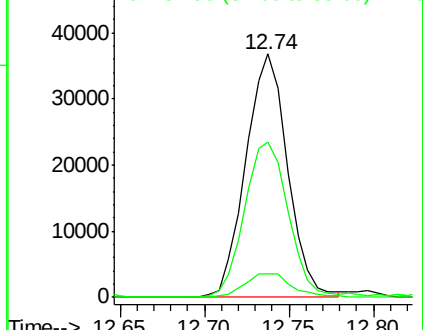
85 67.8 32.3 96.9



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: 36.832 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064659.D

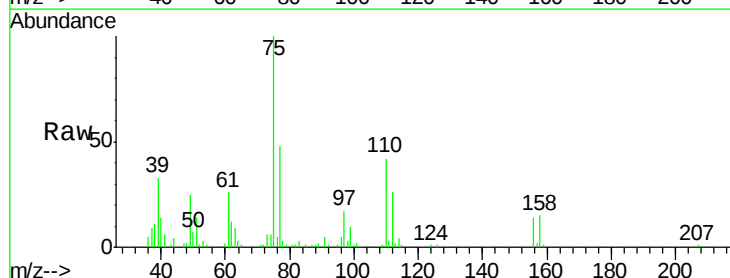
Acq: 27 Dec 2019 23:54

Tgt Ion: 75 Resp: 81544

Ion Ratio Lower Upper

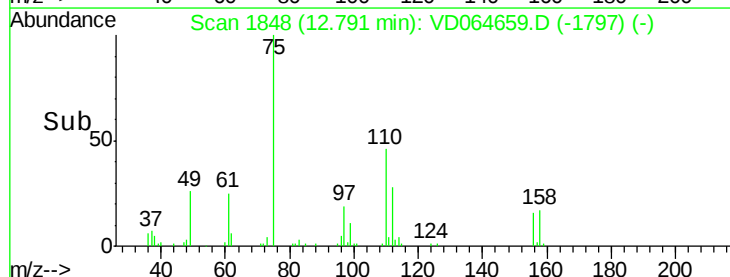
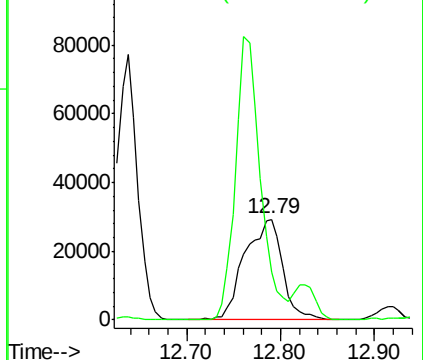
75 100

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: 18.681 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

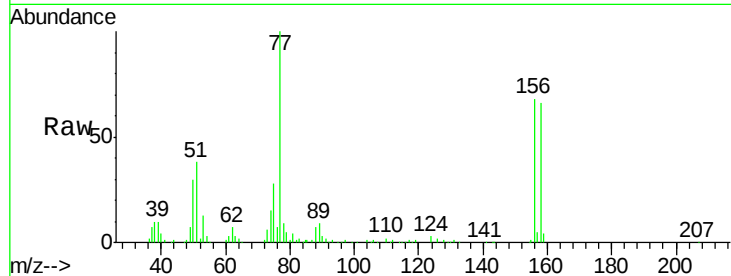
Tgt Ion:156 Resp: 91969

Ion Ratio Lower Upper

156 100

77 166.6 80.9 242.7

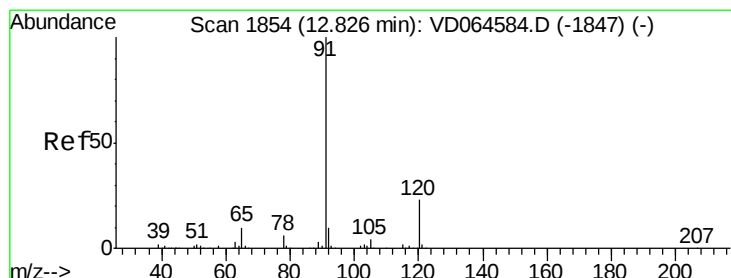
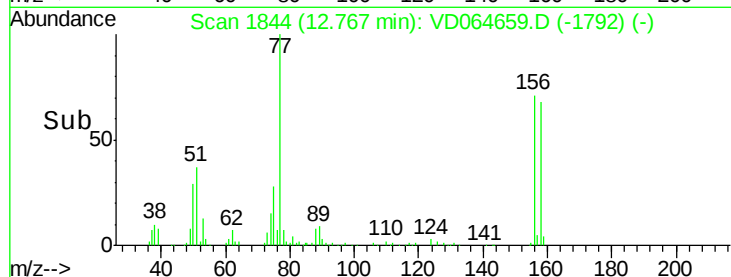
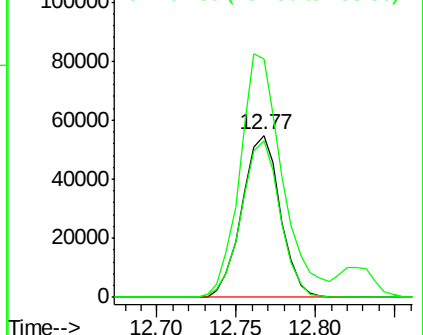
158 97.5 48.0 144.2



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: 17.947 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064659.D

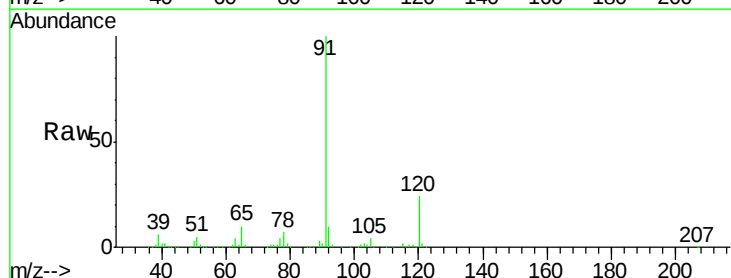
Acq: 27 Dec 2019 23:54

Tgt Ion: 91 Resp: 419491

Ion Ratio Lower Upper

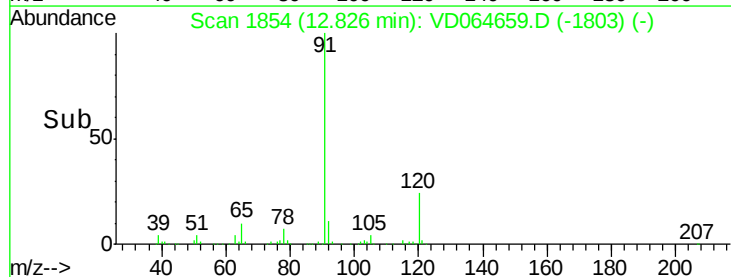
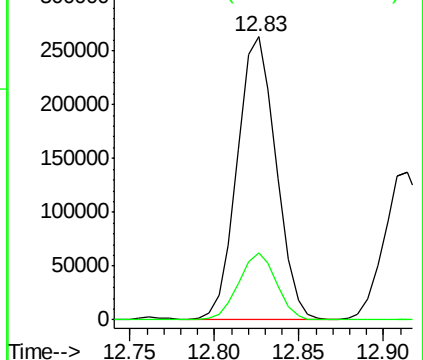
91 100

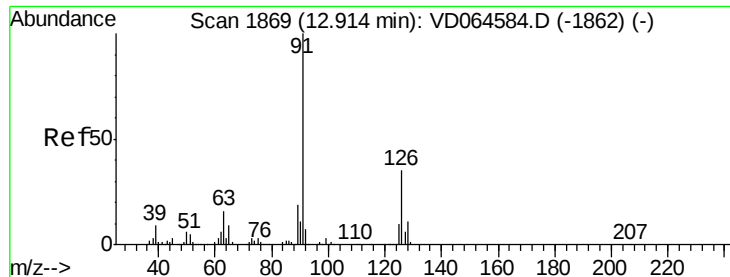
120 23.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

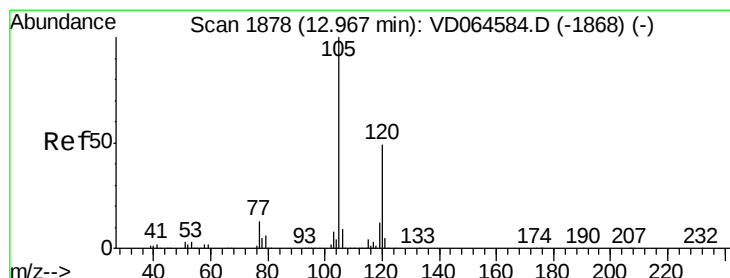
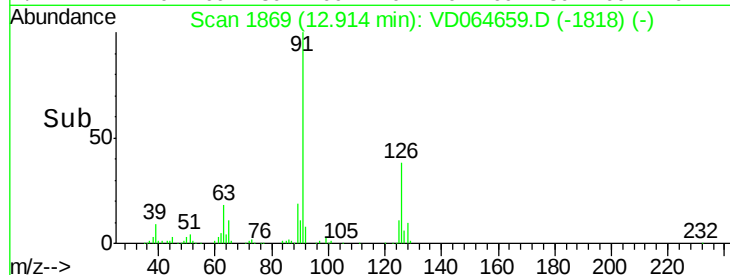
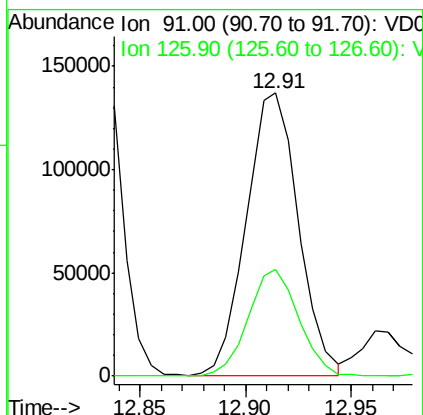
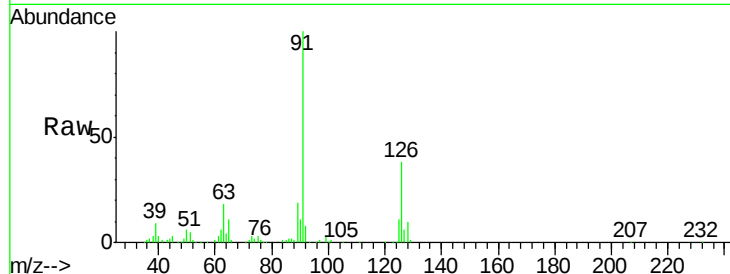




#79
 2-Chlorotoluene
 Concen: 18.287 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

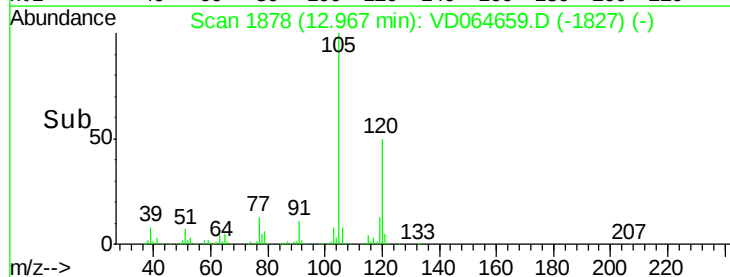
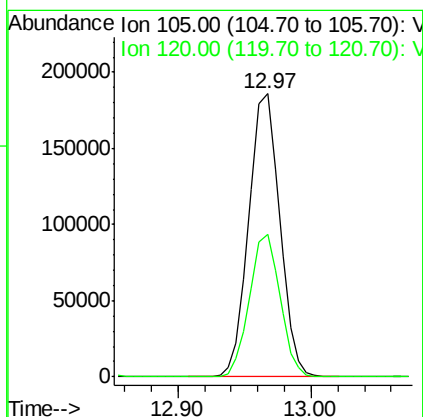
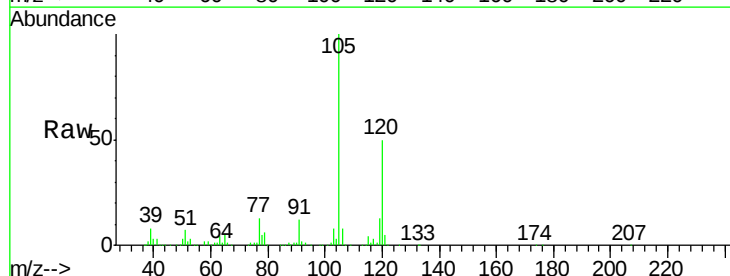
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

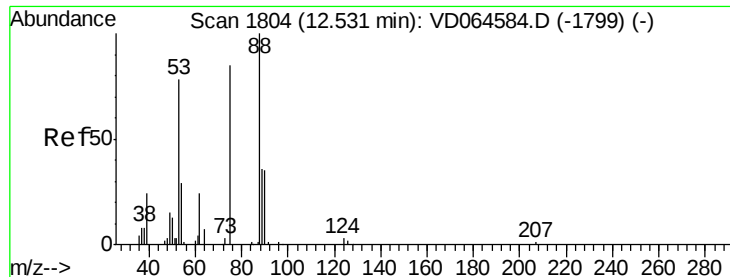
Tgt Ion: 91 Resp: 234809
 Ion Ratio Lower Upper
 91 100
 126 36.4 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 18.082 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 105 Resp: 297590
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.515 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

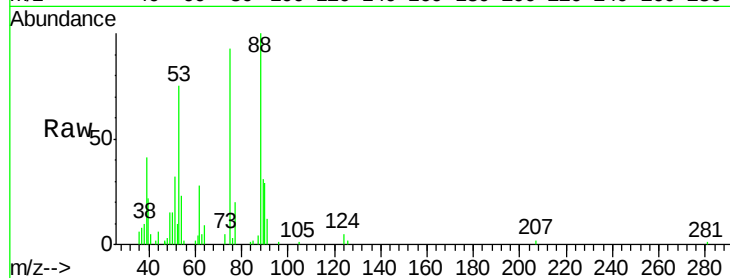
Tgt Ion: 75 Resp: 19599

Ion Ratio Lower Upper

75 100

53 101.1 78.8 118.2

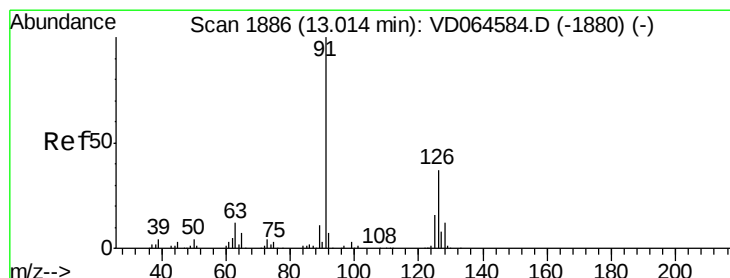
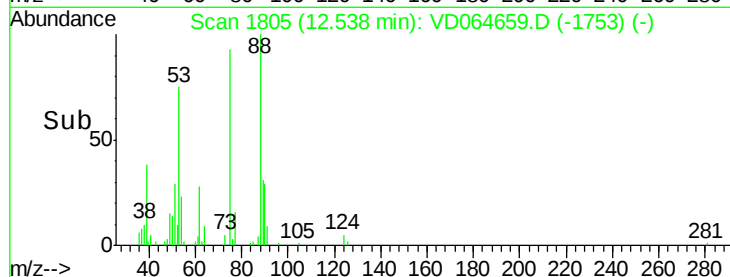
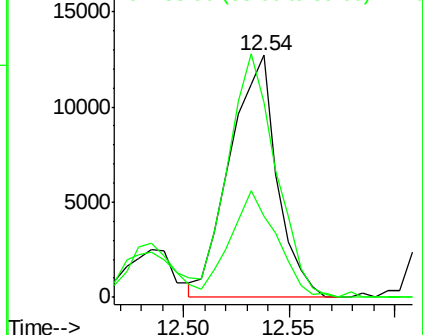
89 43.4 38.3 57.5



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: 18.562 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064659.D

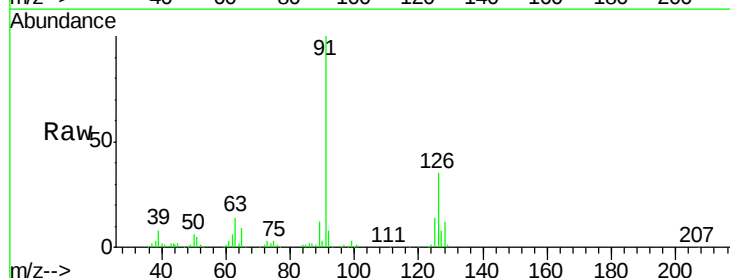
Acq: 27 Dec 2019 23:54

Tgt Ion: 91 Resp: 253634

Ion Ratio Lower Upper

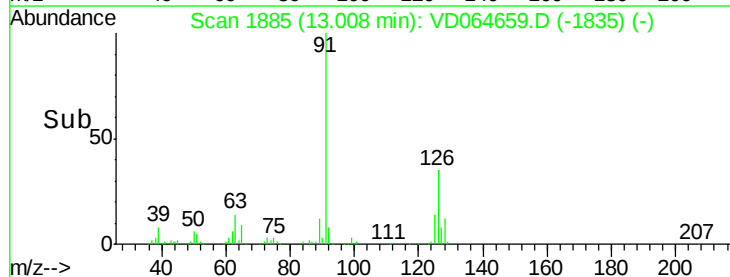
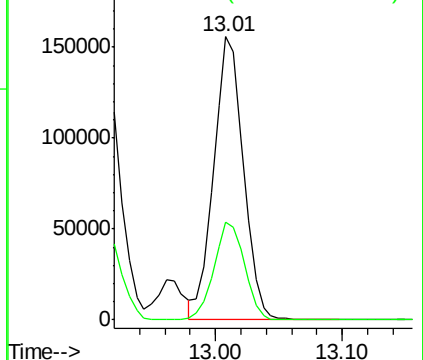
91 100

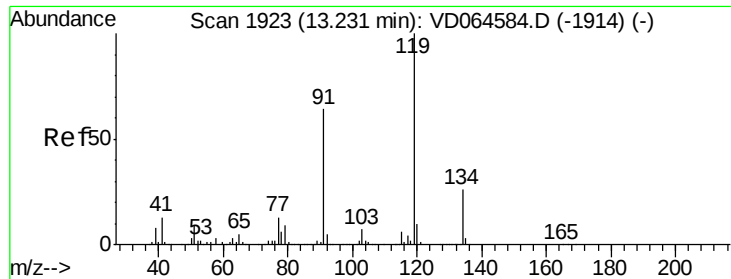
126 35.4 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC

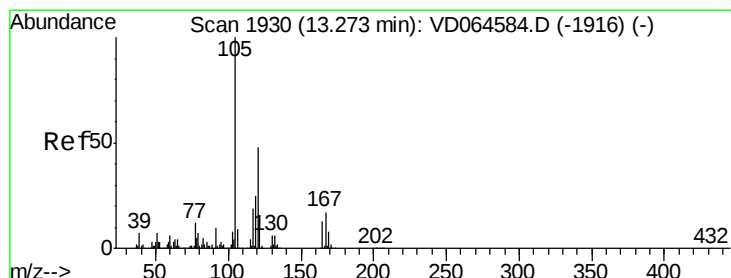
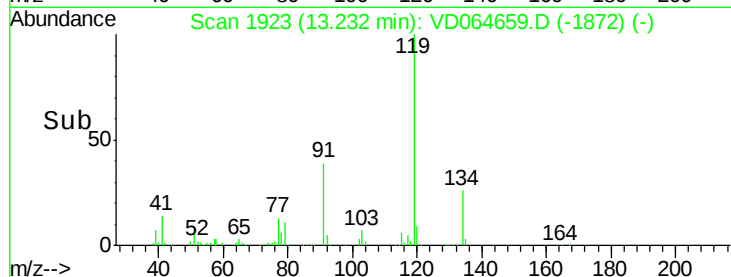
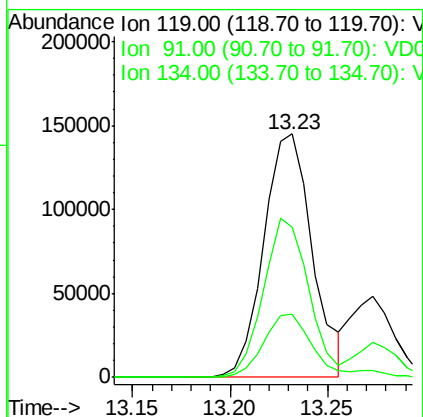
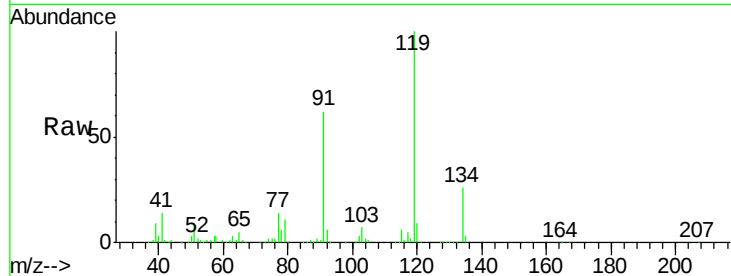




#83
 tert-Butylbenzene
 Concen: 17.485 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

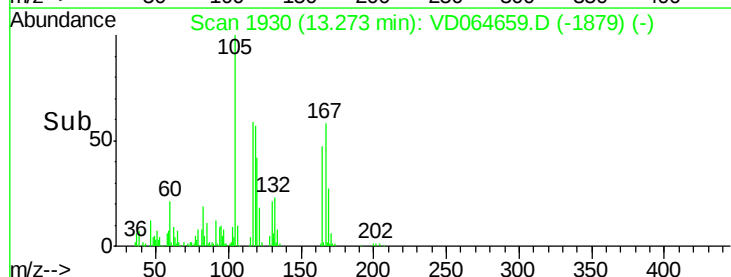
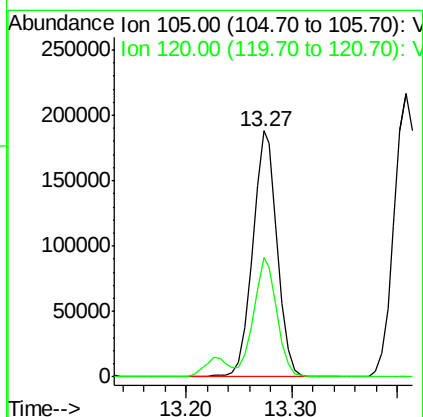
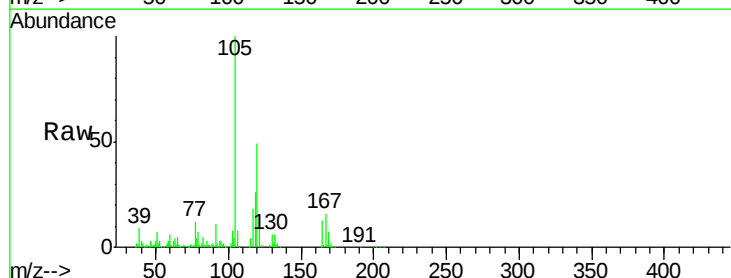
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tgt Ion:119 Resp: 249860
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.8 92.4
 134 25.8 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 18.462 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion:105 Resp: 302611
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.2

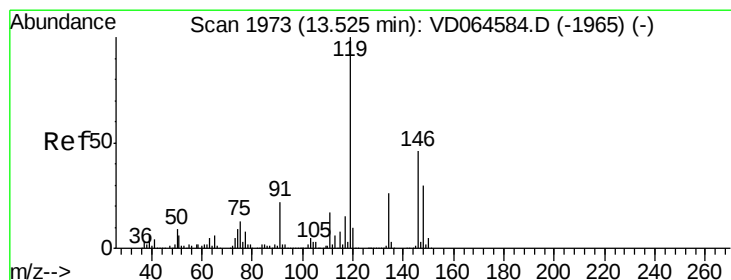
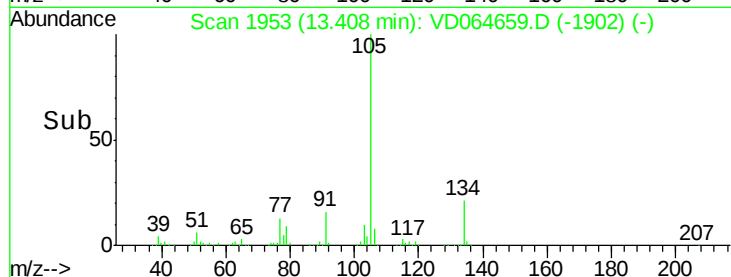
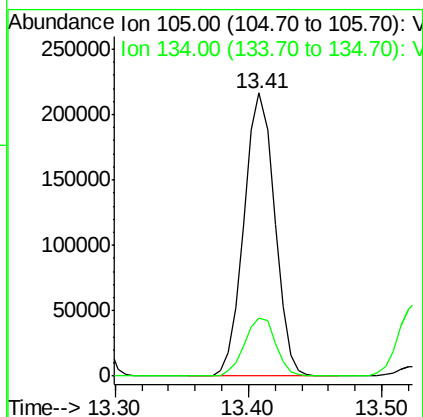
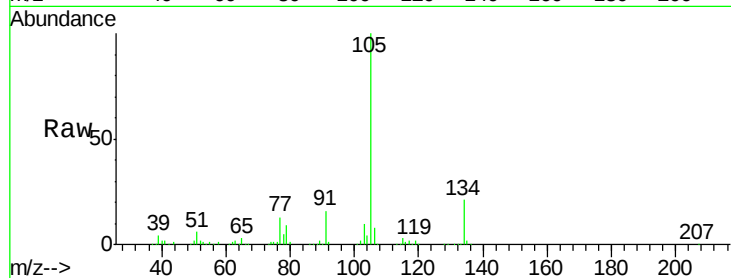




#85
 sec-Butylbenzene
 Concen: 17.564 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

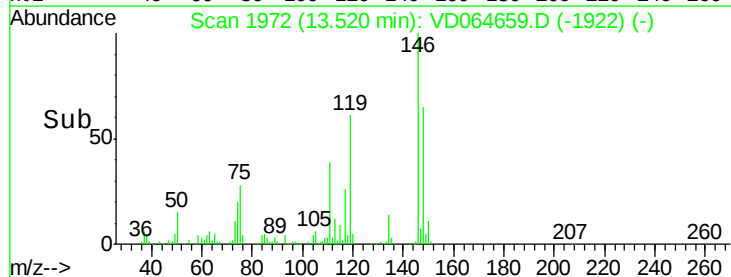
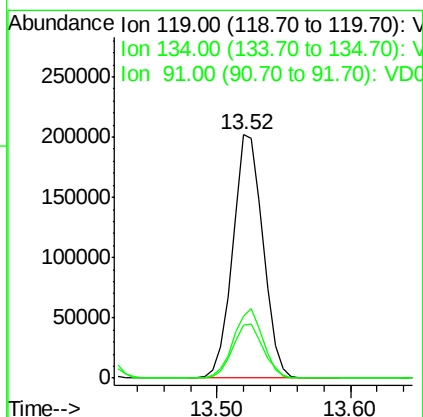
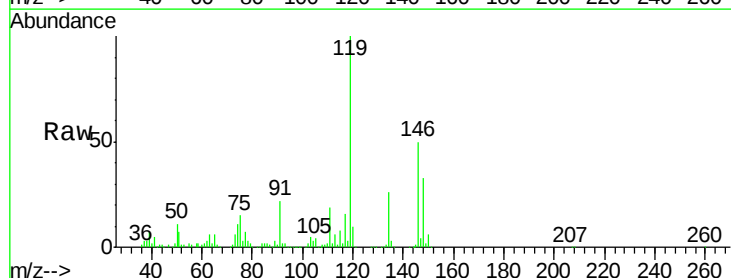
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

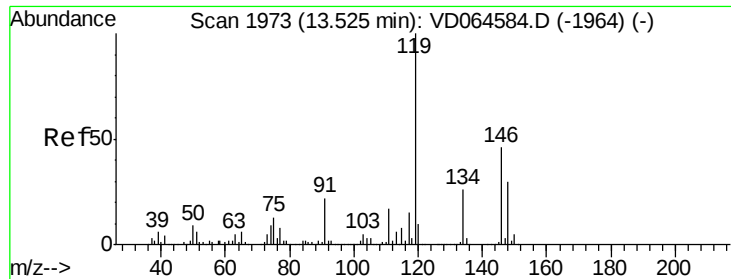
Tgt Ion:105 Resp: 344090
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 16.937 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion:119 Resp: 317265
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.4 40.1
 91 22.8 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 18.643 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

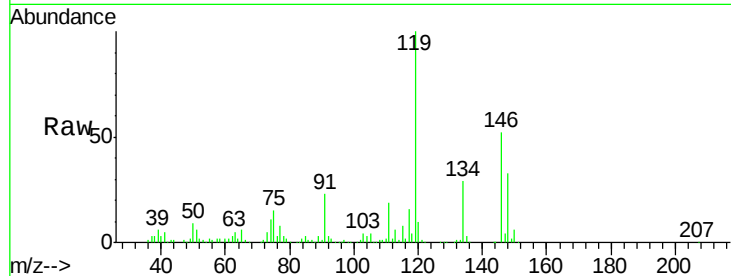
Tgt Ion:146 Resp: 174964

Ion Ratio Lower Upper

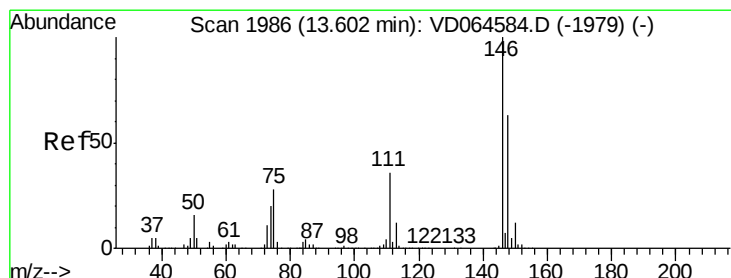
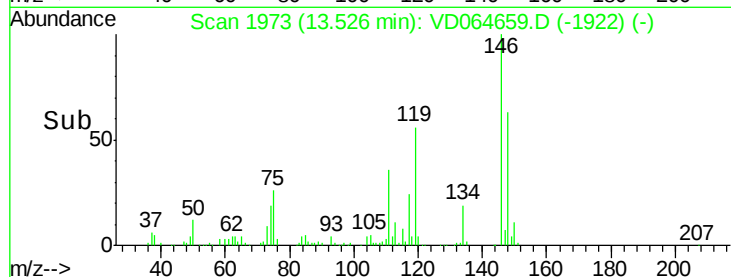
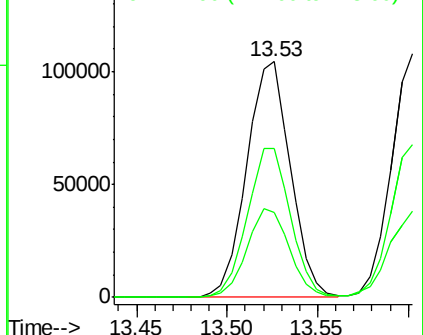
146 100

111 36.9 18.8 56.4

148 62.6 32.5 97.5



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



#88

1,4-Dichlorobenzene

Concen: 18.920 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

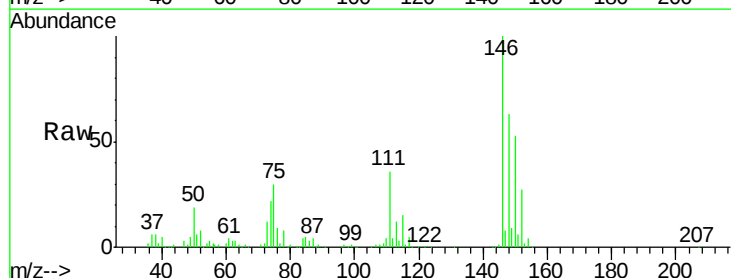
Tgt Ion:146 Resp: 174437

Ion Ratio Lower Upper

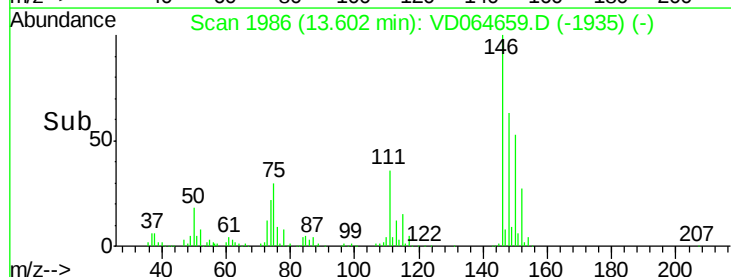
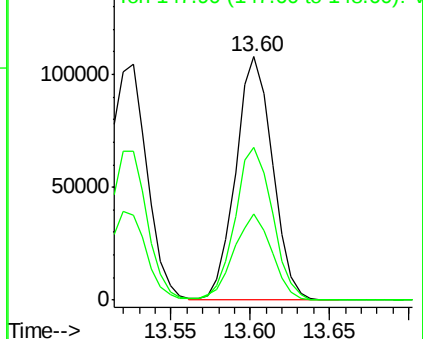
146 100

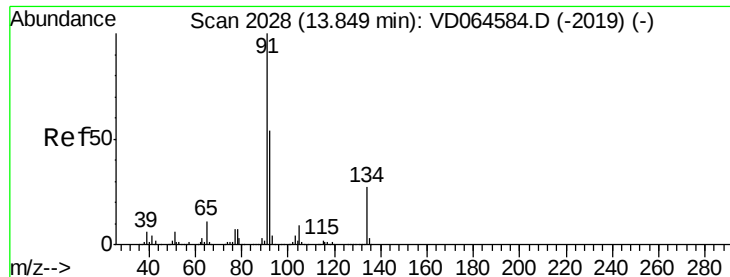
111 36.6 18.1 54.1

148 63.6 32.3 96.9



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





#89

n-Butylbenzene

Concen: 17.385 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064659.D

Acq: 27 Dec 2019 23:54

Instrument :

MSVOA_D

ClientSampleId :

VD1227SBS02

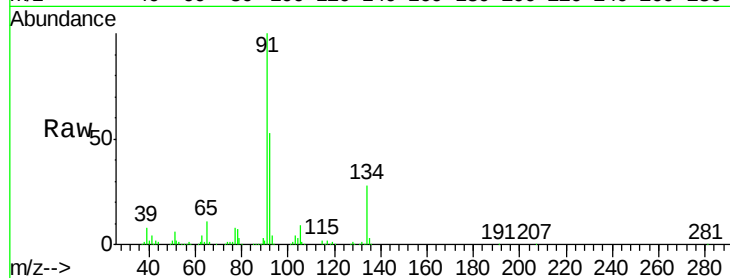
Tgt Ion: 91 Resp: 293277

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

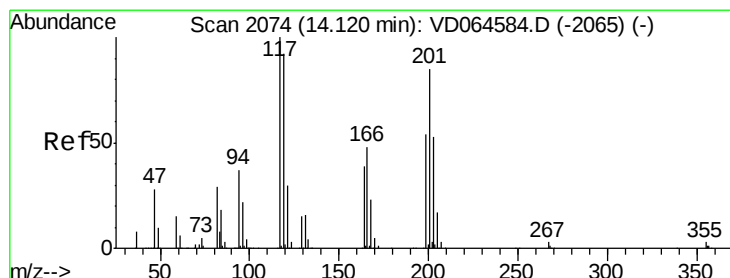
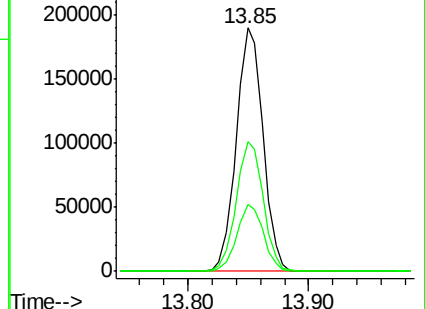
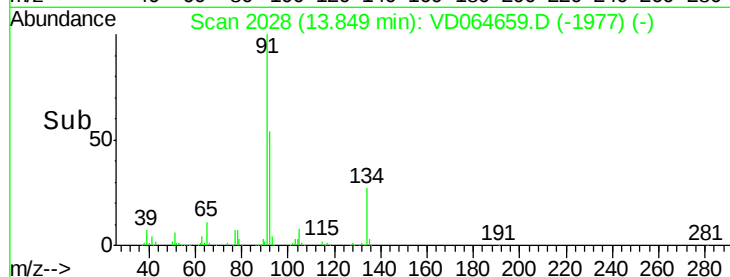
134 27.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.693 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064659.D

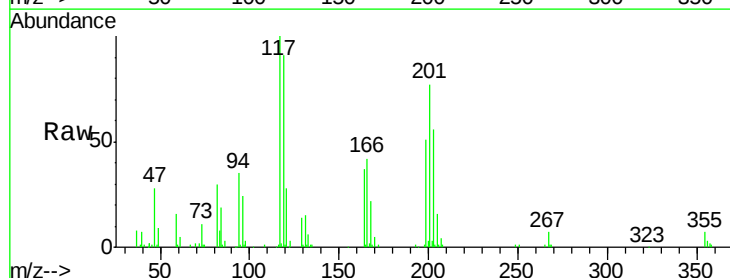
Acq: 27 Dec 2019 23:54

Tgt Ion: 117 Resp: 66887

Ion Ratio Lower Upper

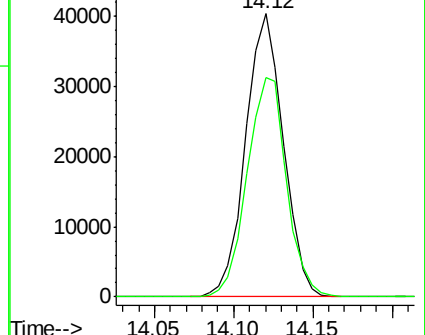
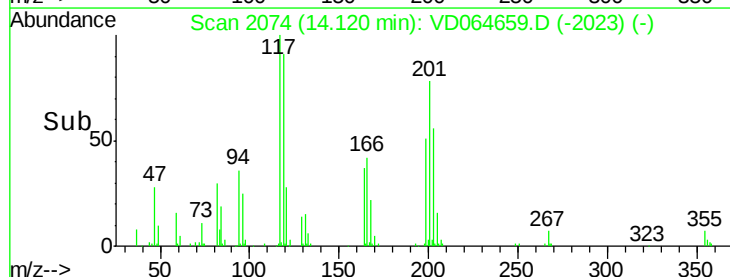
117 100

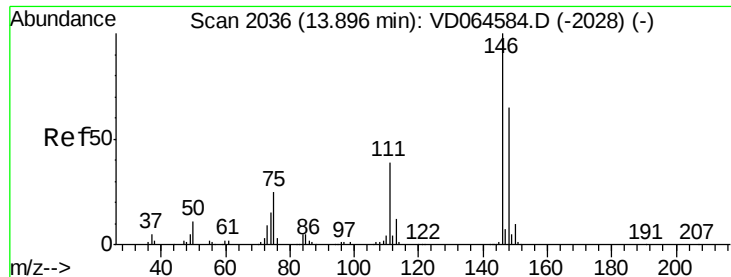
201 80.8 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

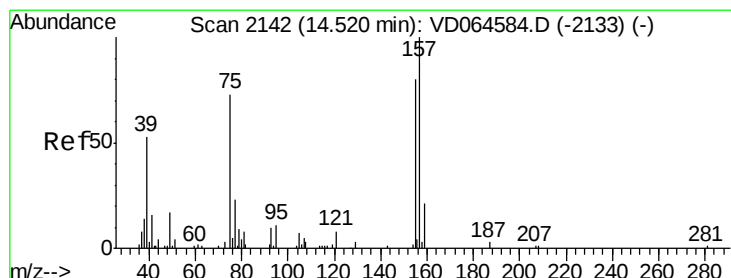
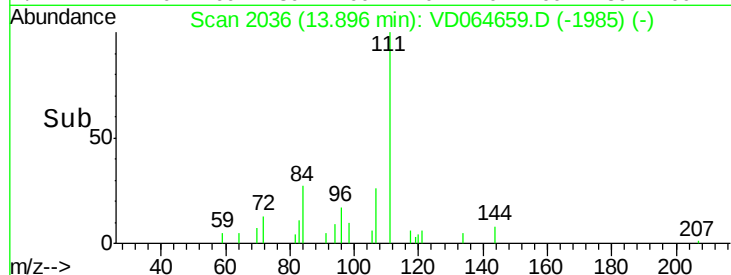
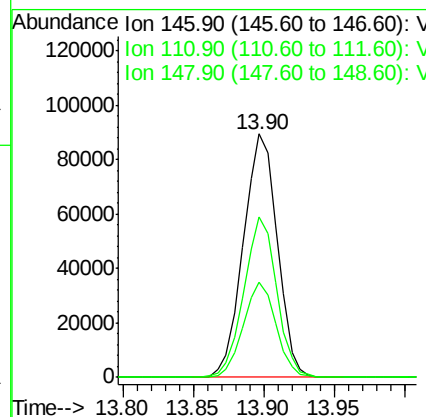
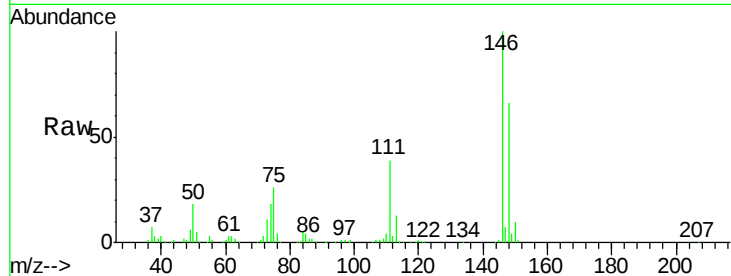




#91
 1,2-Dichlorobenzene
 Concen: 18.870 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

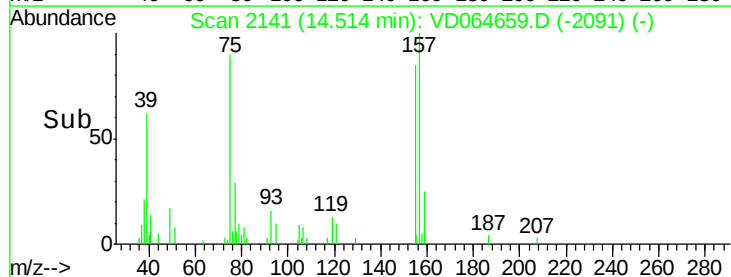
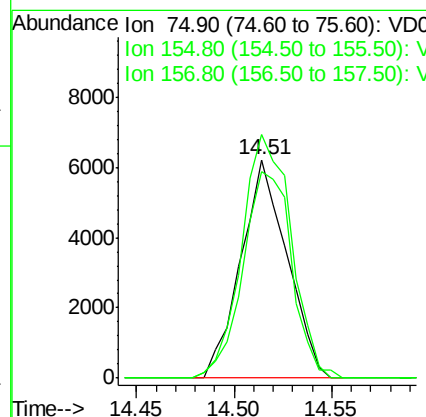
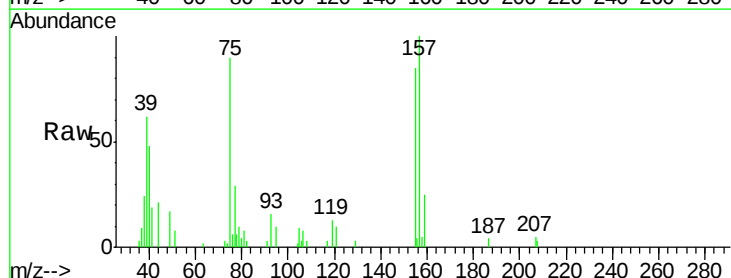
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

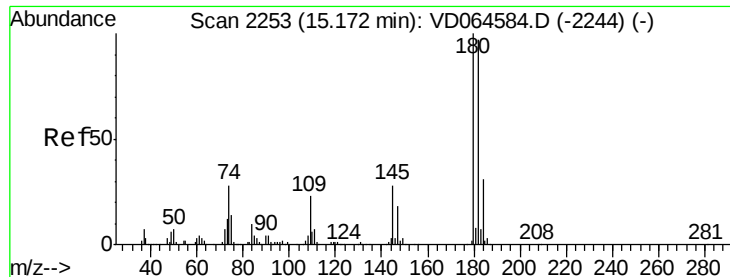
Tgt Ion:146 Resp: 151011
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.3 57.9
 148 63.6 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.985 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion: 75 Resp: 10197
 Ion Ratio Lower Upper
 75 100
 155 99.6 48.0 144.0
 157 118.6 64.1 192.3

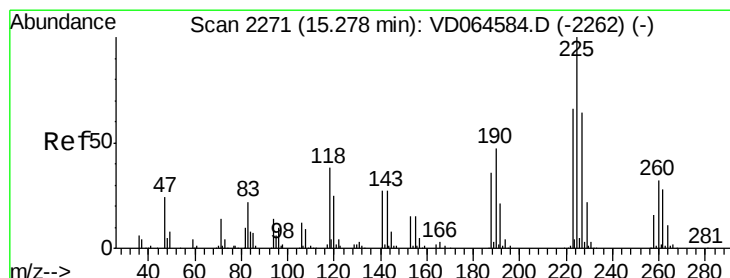
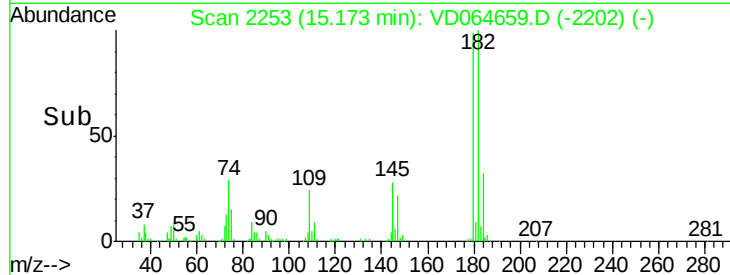
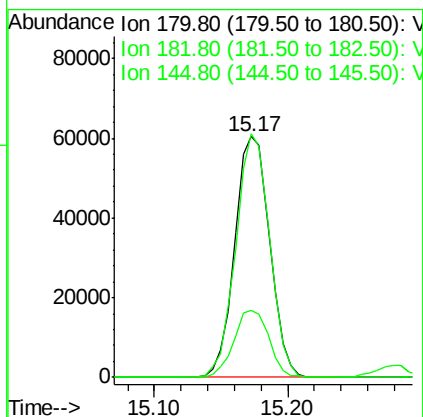
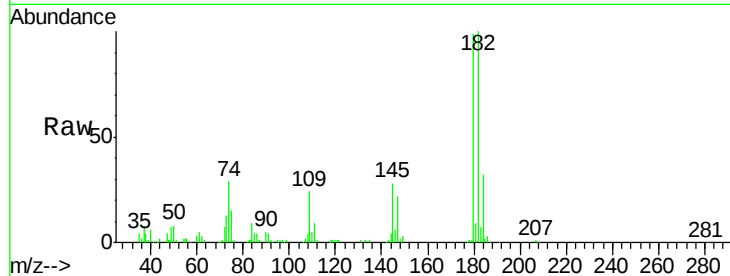




#93
 1,2,4-Trichlorobenzene
 Concen: 18.547 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

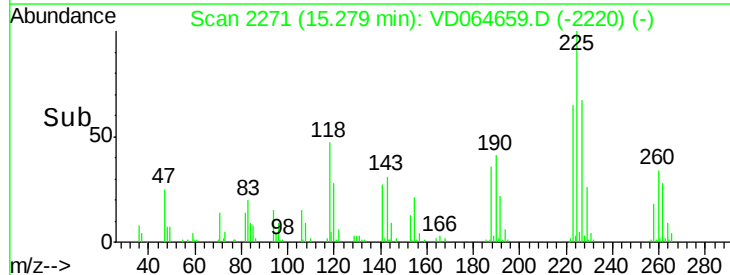
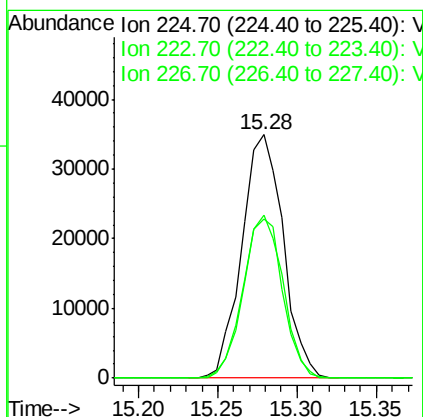
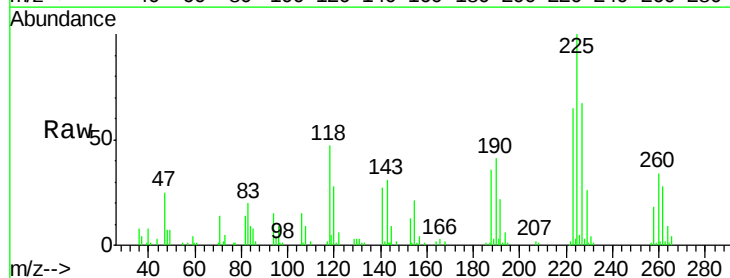
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1227SBS02

Tgt Ion:180 Resp: 109287
 Ion Ratio Lower Upper
 180 100
 182 97.7 48.0 144.2
 145 27.9 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 17.119 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064659.D
 Acq: 27 Dec 2019 23:54

Tgt Ion:225 Resp: 63477
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.2
 227 64.7 30.9 92.7

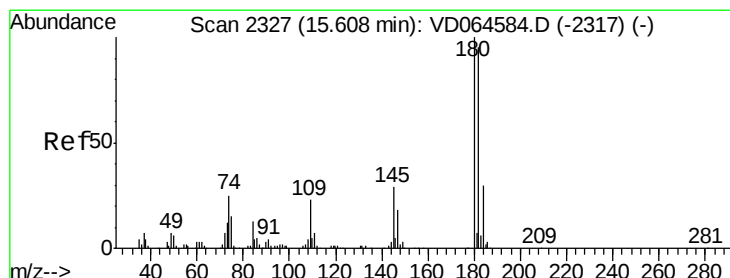
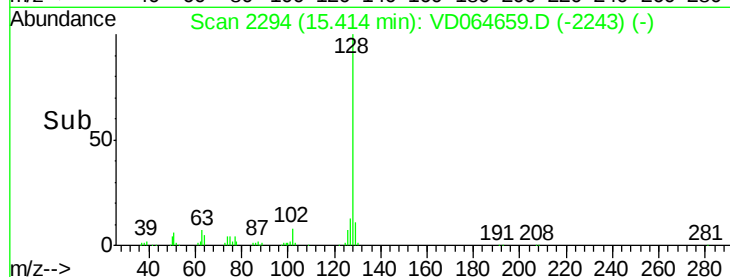
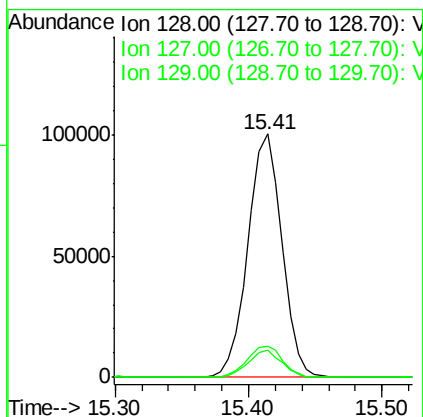
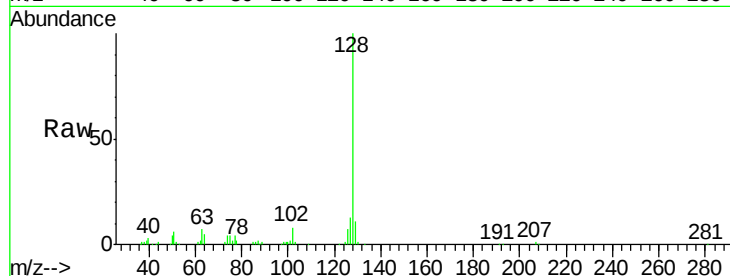




#95
Naphthalene
Concen: 18.907 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Instrument :
MSVOA_D
ClientSampleId :
VD1227SBS02

Tgt Ion:128 Resp: 176243
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.115 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064659.D
Acq: 27 Dec 2019 23:54

Tgt Ion:180 Resp: 96154
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.7
145 29.4 14.9 44.7

