

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064509.D
 Acq On : 13 Dec 2019 16:22
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Quant Time: Dec 13 22:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	588036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263386	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	182547	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.92	113	185723	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.34	98	699044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	229026	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	77486	21.342	ug/l	96
3) Chloromethane	2.21	50	100585	21.965	ug/l	99
4) Vinyl Chloride	2.35	62	119289	22.561	ug/l	95
5) Bromomethane	2.76	94	81590	20.867	ug/l	92
6) Chloroethane	2.91	64	80586	22.803	ug/l	100
7) Trichlorofluoromethane	3.27	101	199738	22.724	ug/l	95
8) Diethyl Ether	3.71	74	39599	21.680	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	84559	22.437	ug/l	96
10) Methyl Iodide	4.29	142	85032	21.365	ug/l	99
11) Tert butyl alcohol	5.26	59	24055	104.193	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	79416	21.989	ug/l	93
13) Acrolein	3.92	56	28241	89.682	ug/l	99
14) Allyl chloride	4.71	41	123016	21.825	ug/l	98
15) Acrylonitrile	5.43	53	85489	107.034	ug/l	97
16) Acetone	4.17	43	80379	109.670	ug/l	96
17) Carbon Disulfide	4.40	76	239102	20.903	ug/l	99
18) Methyl Acetate	4.73	43	46669	21.830	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	176196	21.268	ug/l	96
20) Methylene Chloride	4.96	84	91439	22.070	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	88194	21.588	ug/l	97
22) Diisopropyl ether	6.37	45	240751	21.637	ug/l #	94
23) Vinyl Acetate	6.31	43	705704	107.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	146421	21.881	ug/l	97
25) 2-Butanone	7.23	43	110021	106.147	ug/l	97
26) 2,2-Dichloropropane	7.21	77	131792	22.647	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	95191	21.372	ug/l	98
28) Bromochloromethane	7.55	49	38714	16.929	ug/l	96
29) Tetrahydrofuran	7.57	42	69602	105.547	ug/l	98
30) Chloroform	7.71	83	151988	21.931	ug/l	94
31) Cyclohexane	7.99	56	139408	21.222	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	142848	22.233	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122455	22.016	ug/l	99
37) Ethyl Acetate	7.30	43	46961	19.898	ug/l	97
38) Carbon Tetrachloride	8.09	117	131594	22.417	ug/l	97

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Quant Time: Dec 13 22:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	146957	21.300	ug/l	98
40) Benzene	8.35	78	329317	21.318	ug/l	99
41) Methacrylonitrile	7.53	41	28323	20.926	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	96857	21.500	ug/l	100
43) Isopropyl Acetate	8.46	43	99211	21.380	ug/l	99
44) Trichloroethene	9.11	130	98804	21.233	ug/l	91
45) 1,2-Dichloropropane	9.39	63	81486	22.056	ug/l	94
46) Dibromomethane	9.47	93	45194	21.674	ug/l	99
47) Bromodichloromethane	9.66	83	118114	22.045	ug/l	99
48) Methyl methacrylate	9.46	41	46573	21.933	ug/l	96
49) 1,4-Dioxane	9.46	88	11317	439.513	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	249009	108.453	ug/l	100
52) Toluene	10.40	92	215856	21.441	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110254	21.592	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	130886	21.577	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62077	21.742	ug/l	95
56) Ethyl methacrylate	10.66	69	78310	21.504	ug/l	99
57) 1,3-Dichloropropane	10.94	76	106233	21.857	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	166134	114.441	ug/l	100
59) 2-Hexanone	10.98	43	168918	106.026	ug/l	98
60) Dibromochloromethane	11.14	129	84941	21.942	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62469	21.913	ug/l	95
64) Tetrachloroethene	10.88	164	85115	20.988	ug/l	96
65) Chlorobenzene	11.67	112	233280	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	87186	21.234	ug/l	99
67) Ethyl Benzene	11.74	91	413644	20.960	ug/l	99
68) m/p-Xylenes	11.86	106	314225	41.760	ug/l	100
69) o-Xylene	12.18	106	142533	20.510	ug/l	97
70) Styrene	12.20	104	252074	20.873	ug/l	99
71) Bromoform	12.37	173	51218	20.850	ug/l #	94
73) Isopropylbenzene	12.48	105	395422	20.874	ug/l	100
74) N-amyl acetate	12.29	43	88106	20.493	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	66053	21.086	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	87143	40.232	ug/l #	100
77) Bromobenzene	12.76	156	98252	21.003	ug/l	100
78) n-propylbenzene	12.83	91	455831	20.856	ug/l	99
79) 2-Chlorotoluene	12.91	91	250969	20.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	324063	20.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21256	21.399	ug/l	99
82) 4-Chlorotoluene	13.01	91	264980	20.810	ug/l	100
83) tert-Butylbenzene	13.23	119	283793	21.087	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	321323	20.643	ug/l	98
85) sec-Butylbenzene	13.41	105	387366	20.972	ug/l	99
86) p-Isopropyltoluene	13.53	119	361698	20.742	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181233	20.412	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	182036	20.767	ug/l	99
89) n-Butylbenzene	13.85	91	325811	20.574	ug/l	99
90) Hexachloroethane	14.12	117	69864	21.420	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	156246	20.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10153	18.972	ug/l	95

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Instrument :
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ClientSampleId :
VD1213SBSD01

Quant Time: Dec 13 22:52:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

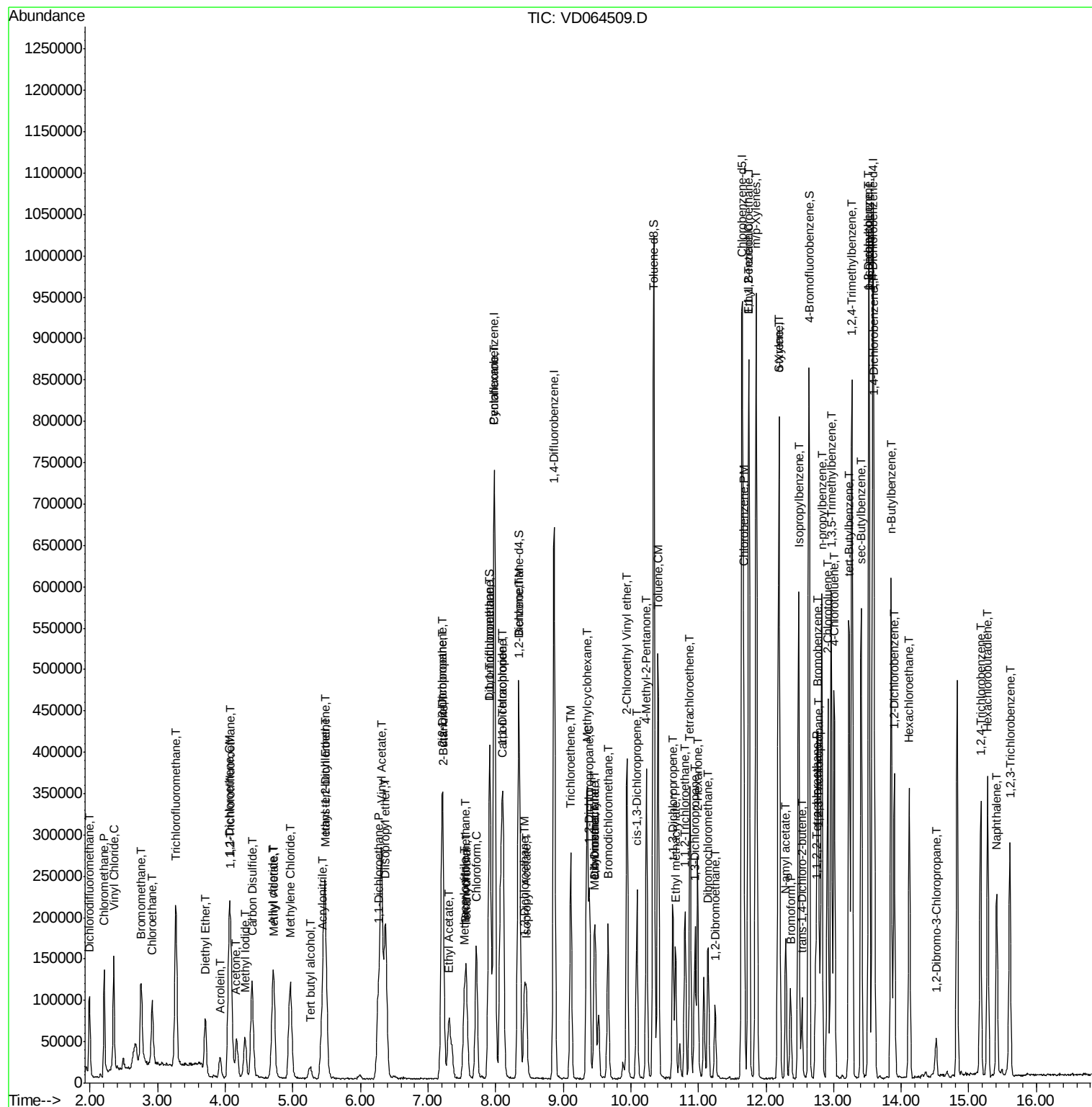
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	119084	20.493	ug/l	99
94) Hexachlorobutadiene	15.28	225	74529	20.775	ug/l	99
95) Naphthalene	15.41	128	197622	20.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	103159	20.797	ug/l	98

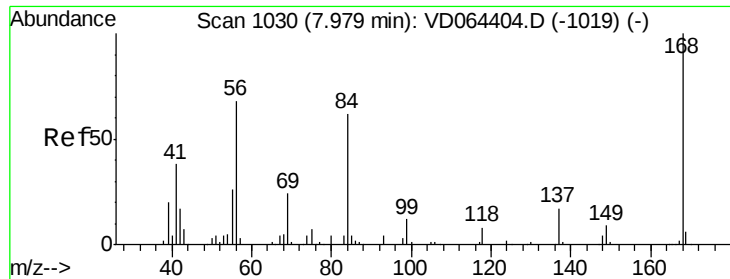
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064509.D
 Acq On : 13 Dec 2019 16:22
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 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

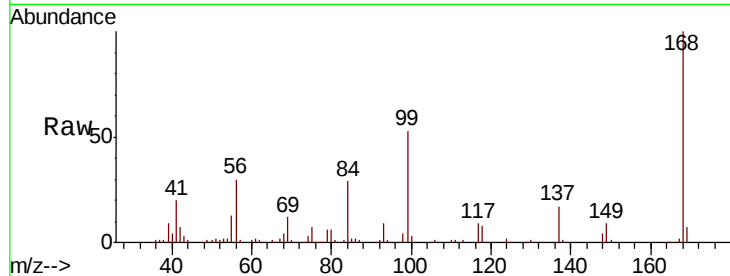
VD1213SBSD01

Tgt Ion:168 Resp: 400694

Ion Ratio Lower Upper

168 100

99 52.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

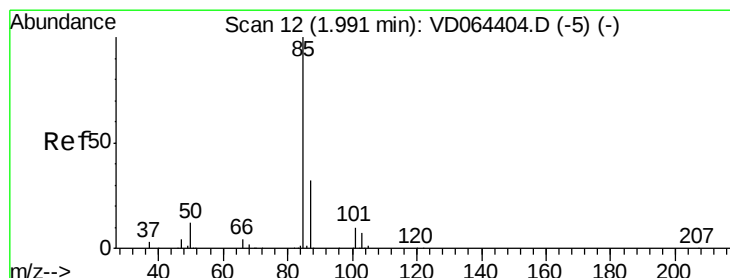
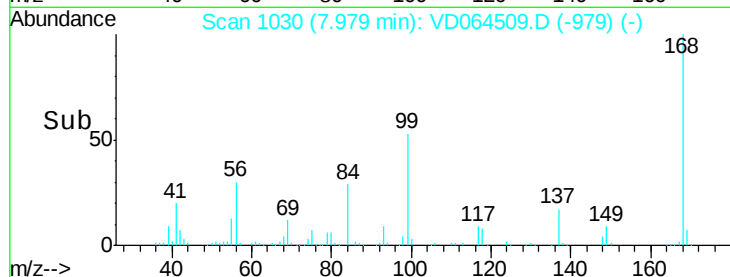
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.342 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064509.D

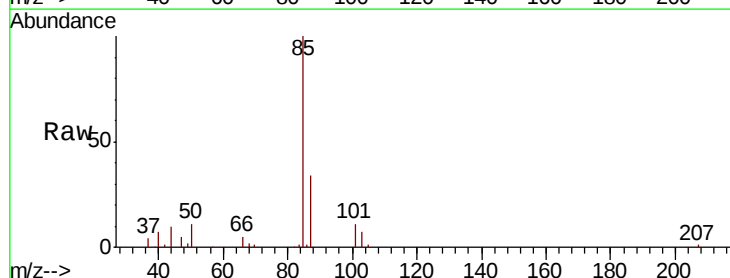
Acq: 13 Dec 2019 16:22

Tgt Ion: 85 Resp: 77486

Ion Ratio Lower Upper

85 100

87 34.4 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

60000

50000

40000

30000

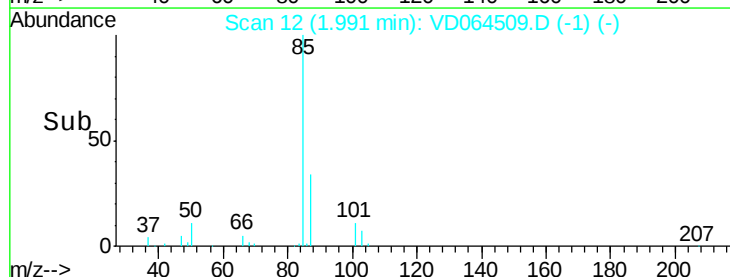
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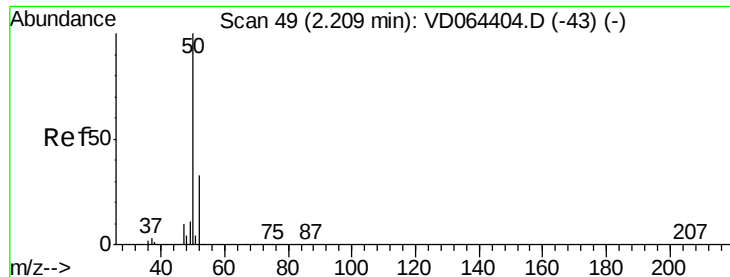
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.965 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

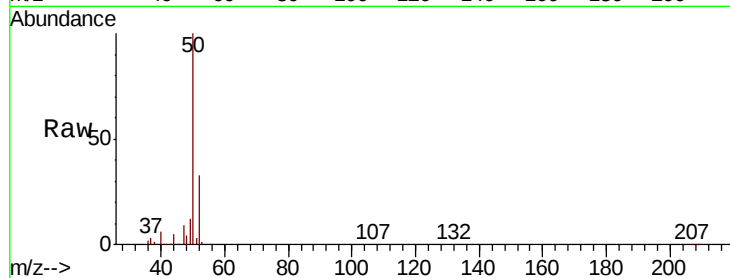
VD1213SBSD01

Tgt Ion: 50 Resp: 100585

Ion Ratio Lower Upper

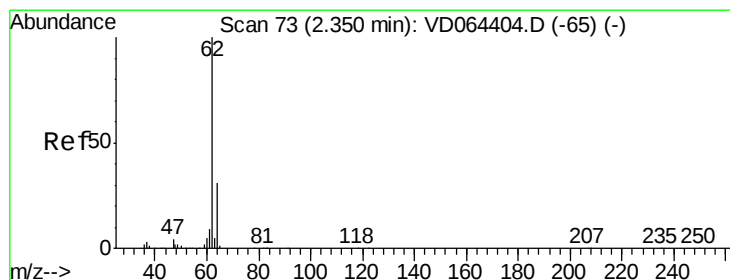
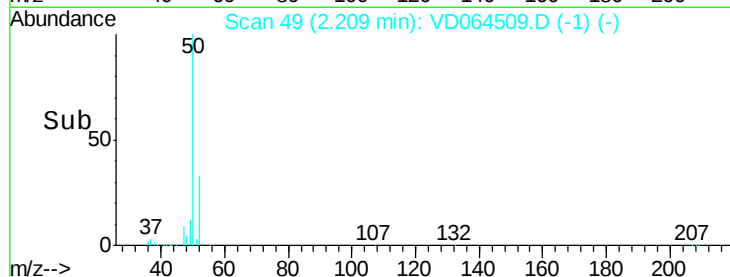
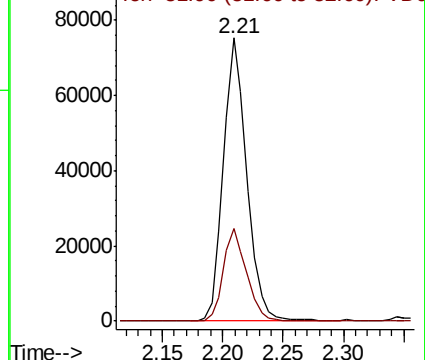
50 100

52 32.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.561 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064509.D

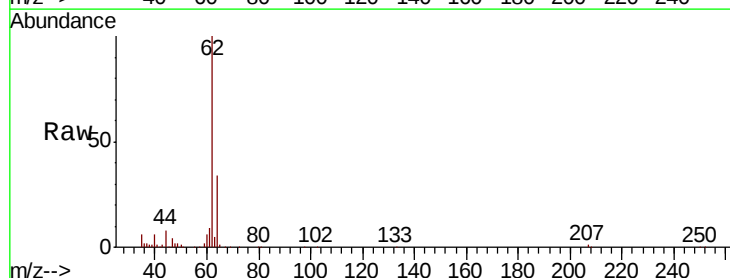
Acq: 13 Dec 2019 16:22

Tgt Ion: 62 Resp: 119289

Ion Ratio Lower Upper

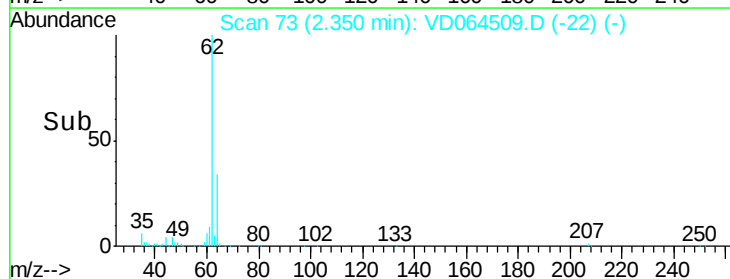
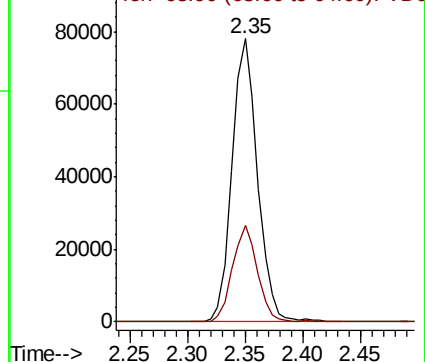
62 100

64 33.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.867 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

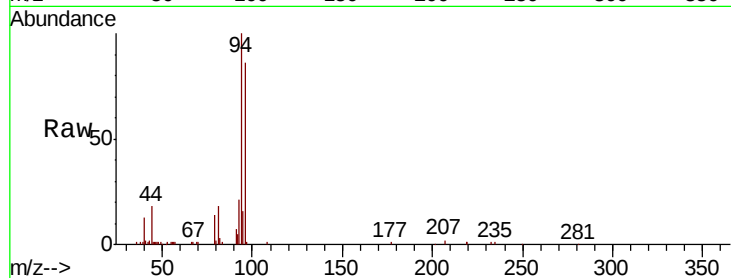
VD1213SBSD01

Tgt Ion: 94 Resp: 81590

Ion Ratio Lower Upper

94 100

96 84.7 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

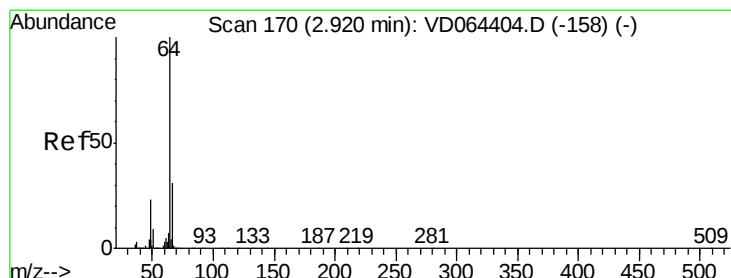
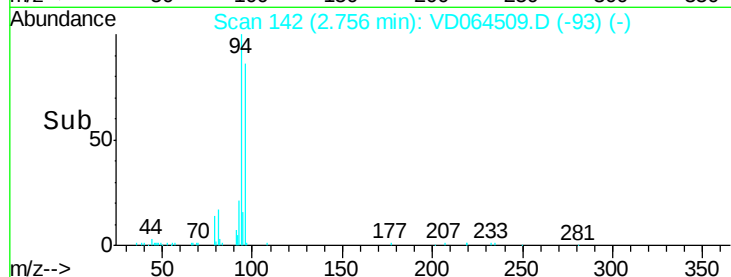
20000

10000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 22.803 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064509.D

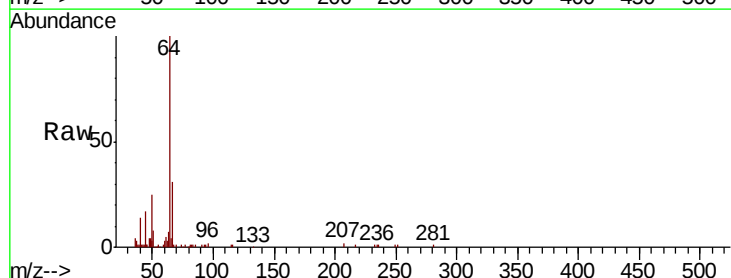
Acq: 13 Dec 2019 16:22

Tgt Ion: 64 Resp: 80586

Ion Ratio Lower Upper

64 100

66 31.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

40000

30000

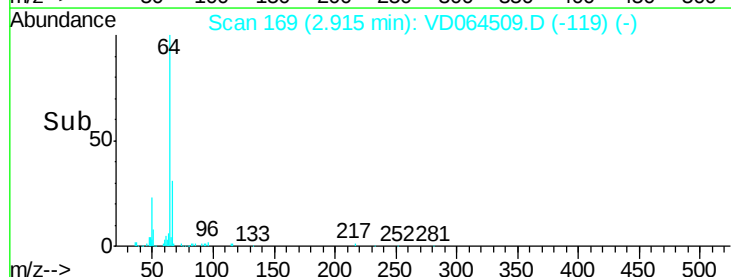
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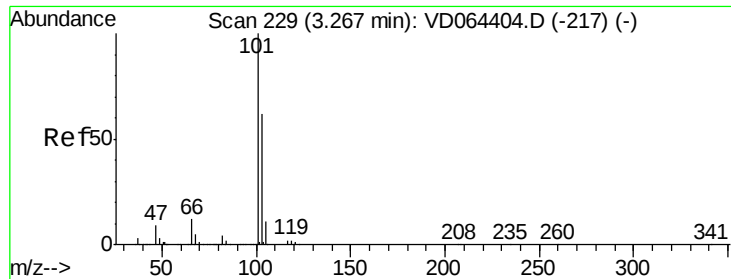
10000

0

Time-->

2.80 2.90 3.00



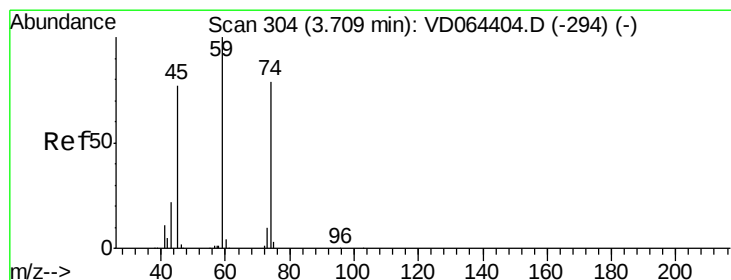
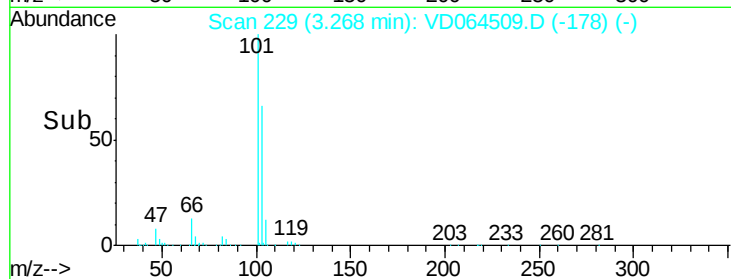
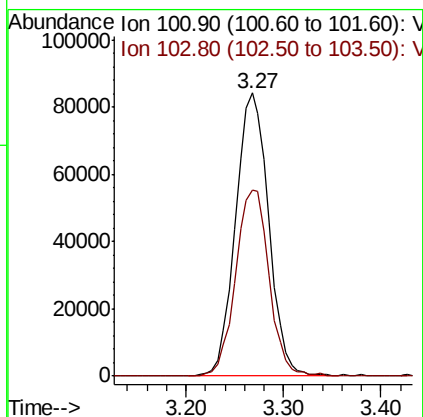
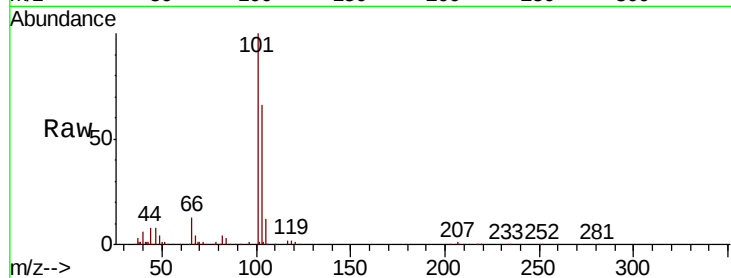


#7

Trichlorofluoromethane
 Concen: 22.724 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

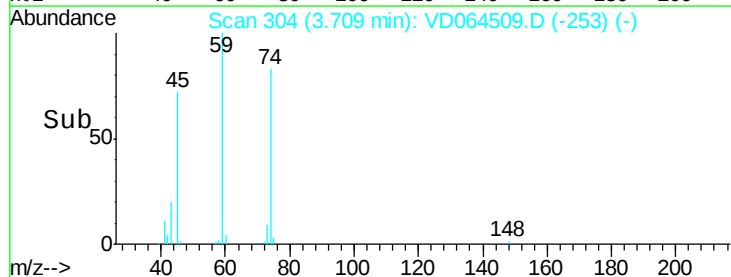
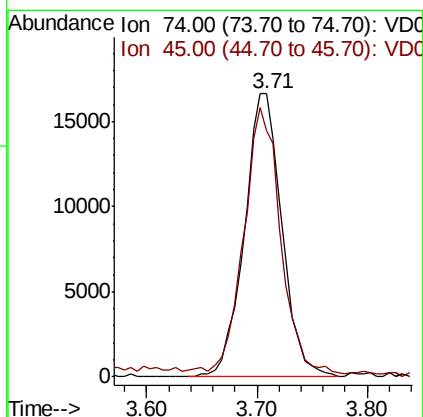
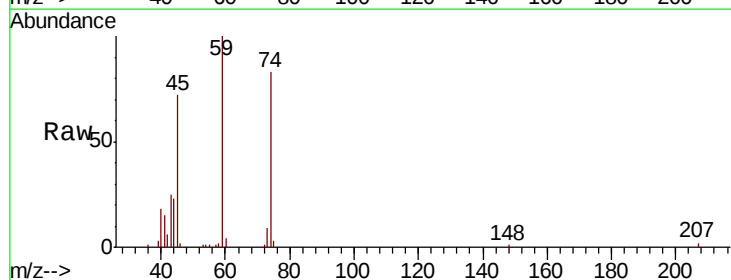
Tgt Ion: 101 Resp: 199738
 Ion Ratio Lower Upper
 101 100
 103 65.8 49.8 74.6

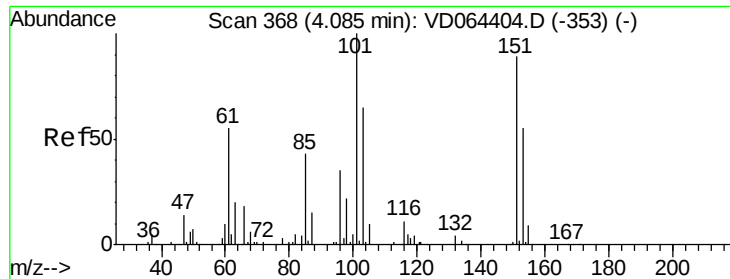


#8

Diethyl Ether
 Concen: 21.680 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 74 Resp: 39599
 Ion Ratio Lower Upper
 74 100
 45 92.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.437 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

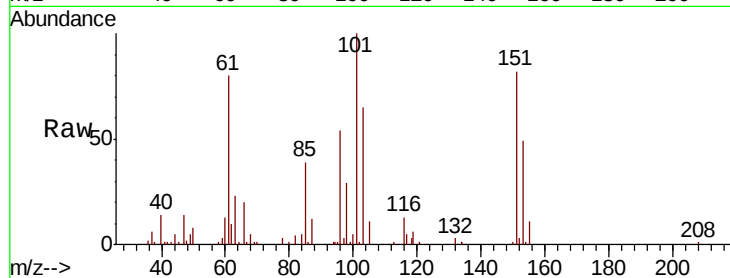
Tgt Ion:101 Resp: 84559

Ion Ratio Lower Upper

101 100

85 44.5 34.8 52.2

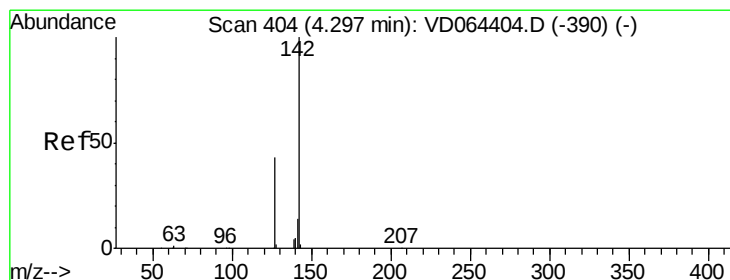
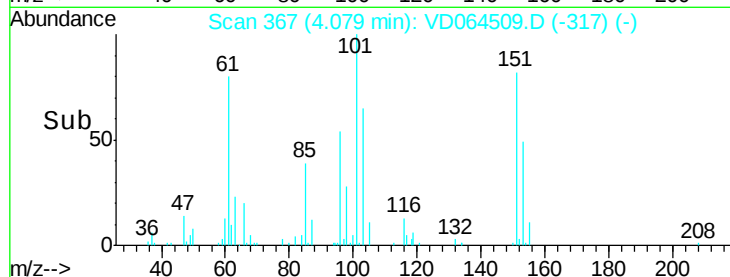
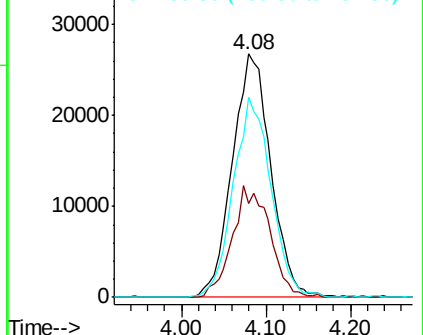
151 80.6 68.8 103.2



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: 21.365 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

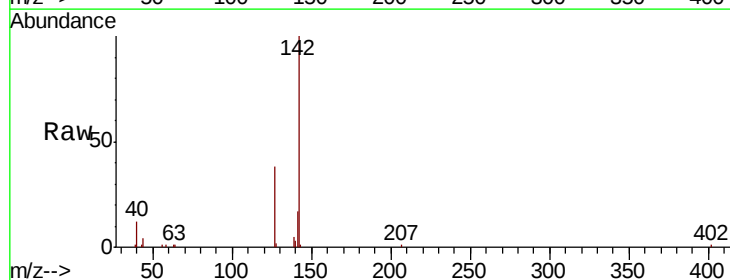
Tgt Ion:142 Resp: 85032

Ion Ratio Lower Upper

142 100

127 43.2 35.3 52.9

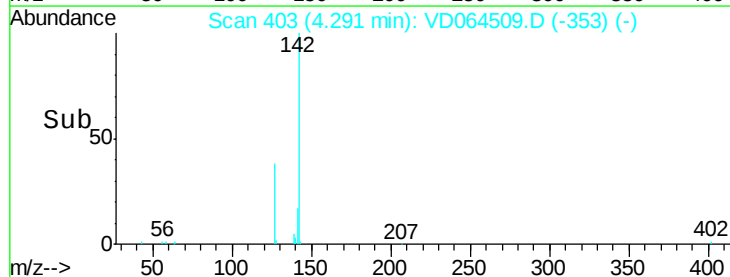
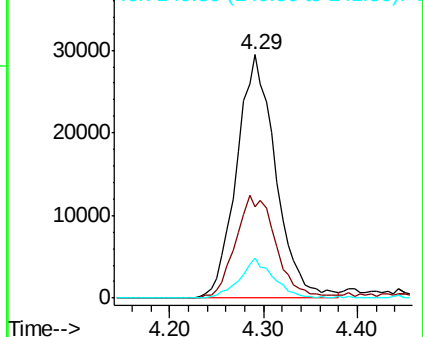
141 14.3 11.6 17.4

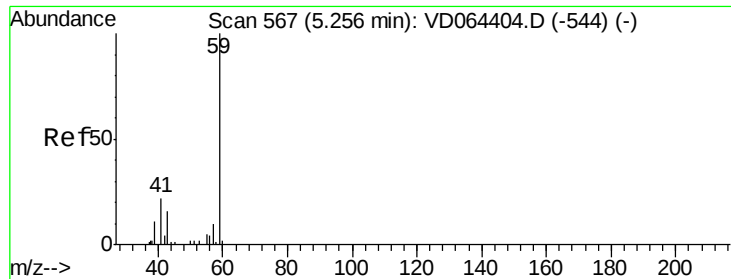


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



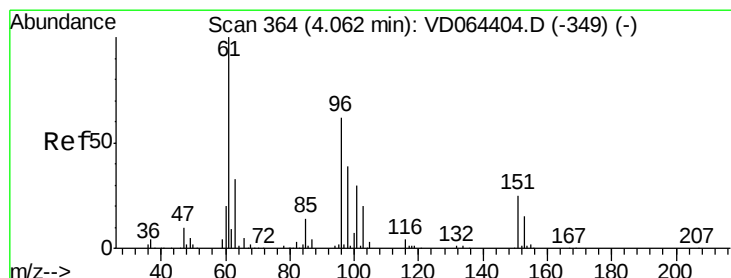
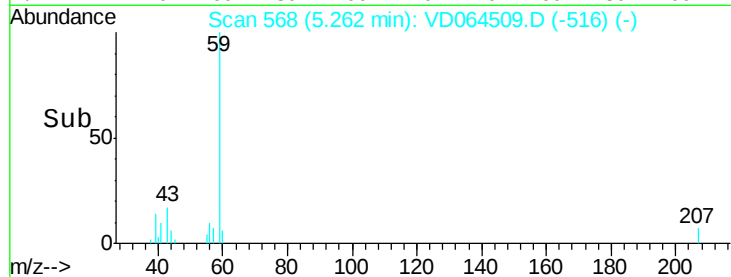
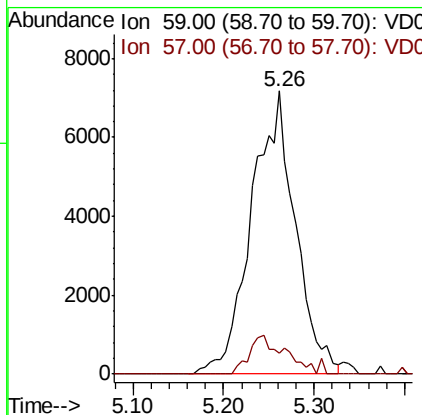
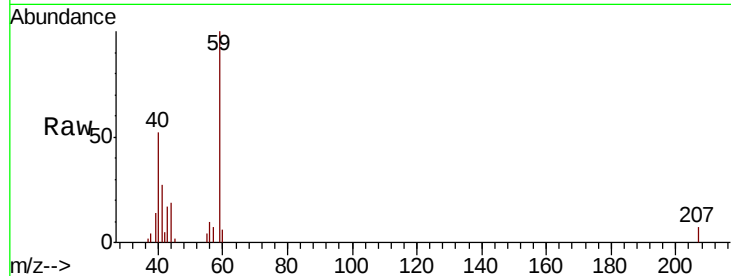


#11

Tert butyl alcohol
 Concen: 104.193 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

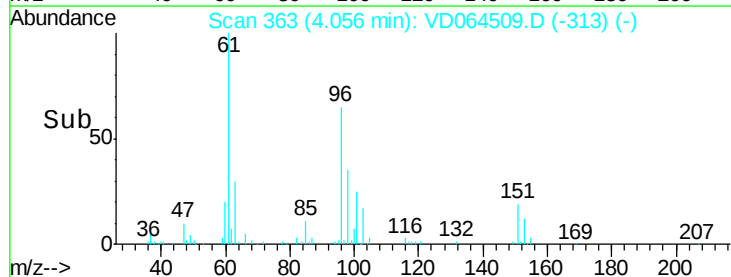
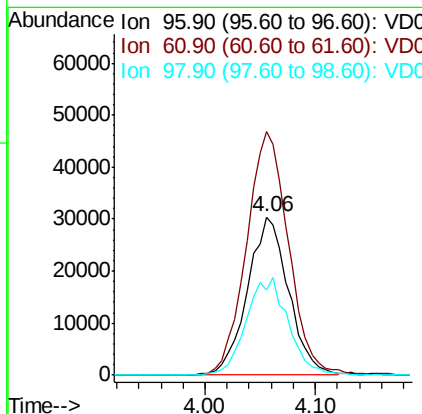
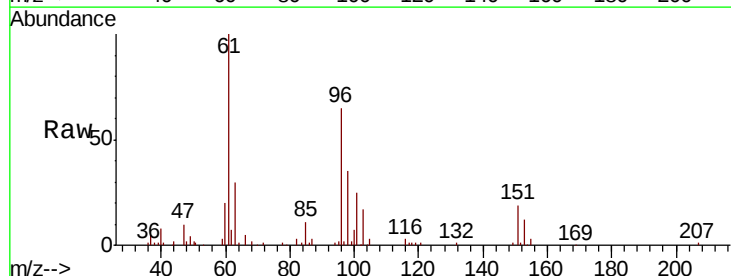
Tgt Ion: 59 Resp: 24055
 Ion Ratio Lower Upper
 59 100
 57 11.1 0.0 0.0#

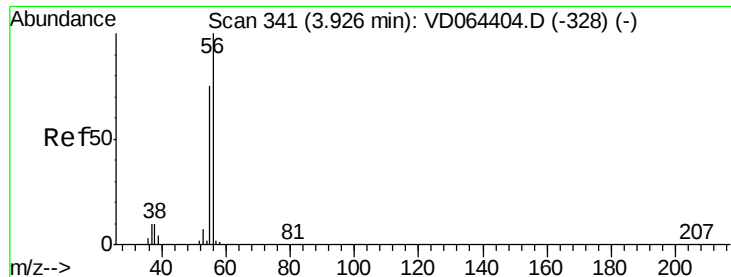


#12

1,1-Dichloroethene
 Concen: 21.989 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 96 Resp: 79416
 Ion Ratio Lower Upper
 96 100
 61 153.9 128.2 192.4
 98 53.7 50.4 75.6





#13

Acrolein

Concen: 89.682 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

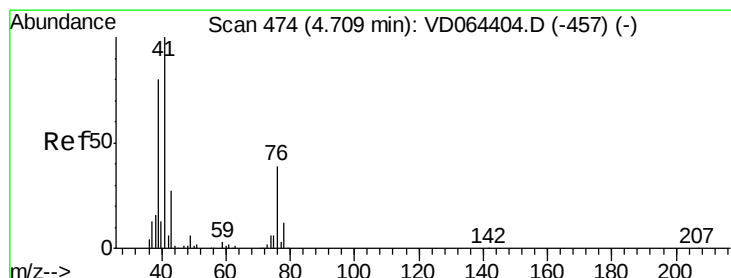
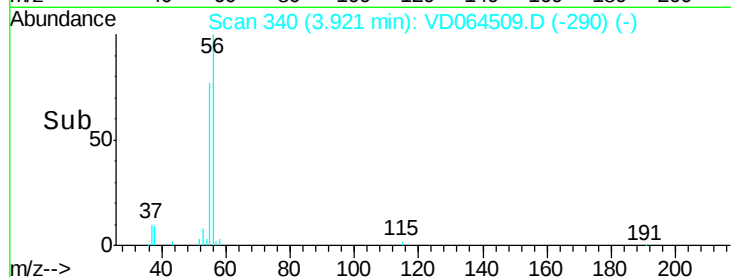
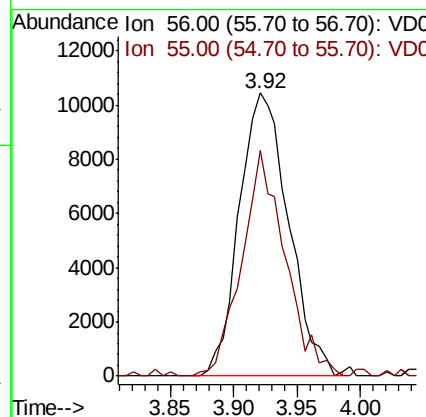
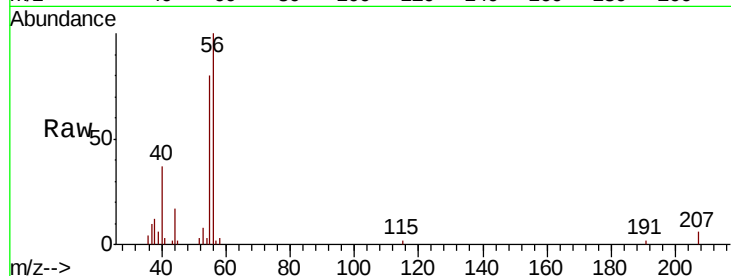
VD1213SBSD01

Tgt Ion: 56 Resp: 28241

Ion Ratio Lower Upper

56 100

55 70.2 56.9 85.3



#14

Allyl chloride

Concen: 21.825 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

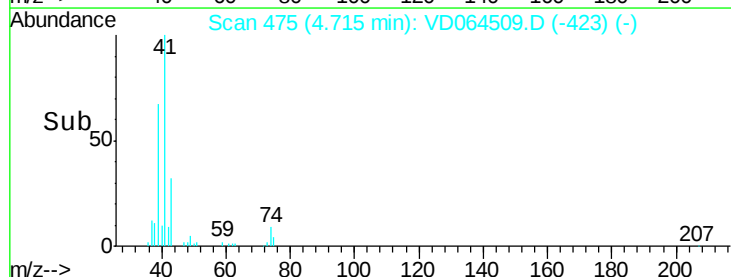
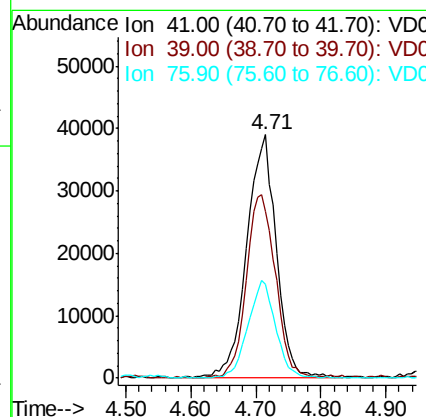
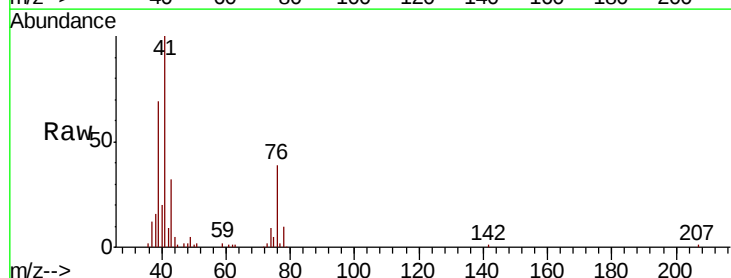
Tgt Ion: 41 Resp: 123016

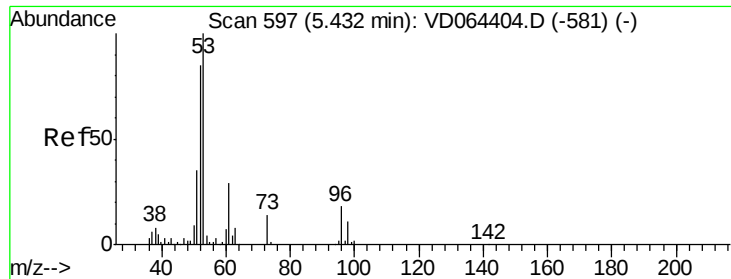
Ion Ratio Lower Upper

41 100

39 74.4 62.1 93.1

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 107.034 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

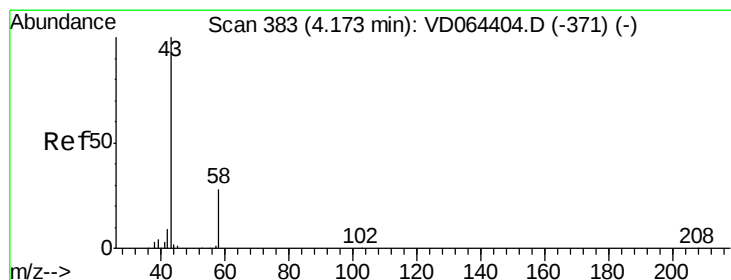
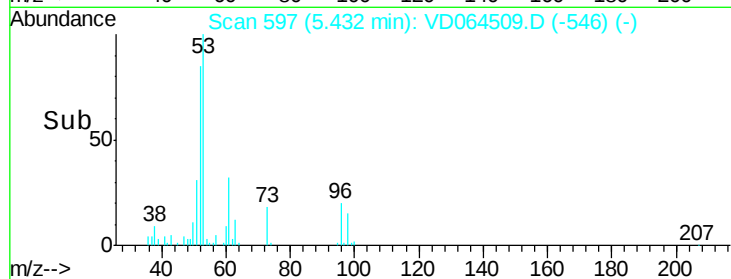
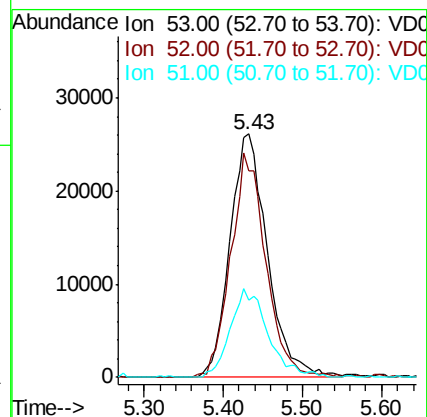
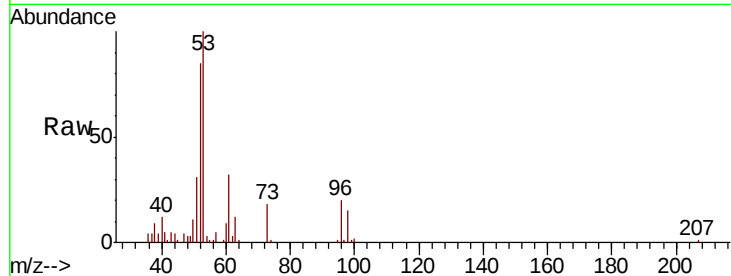
Tgt Ion: 53 Resp: 85489

Ion Ratio Lower Upper

53 100

52 86.6 67.9 101.9

51 35.7 30.6 45.8



#16

Acetone

Concen: 109.670 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064509.D

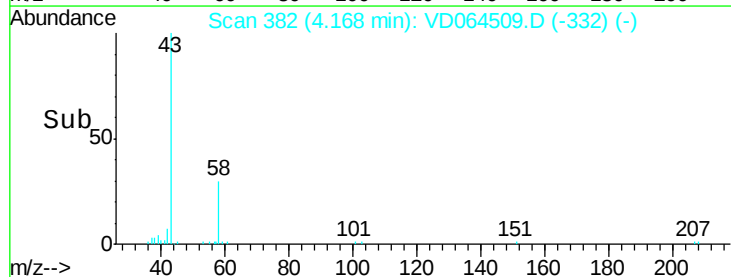
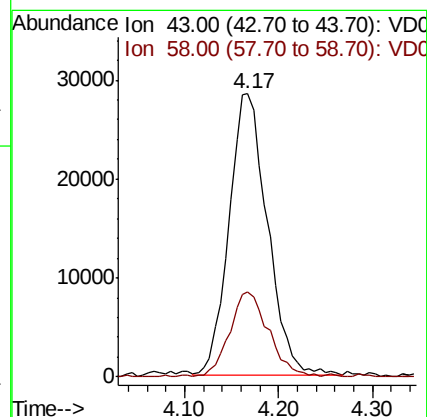
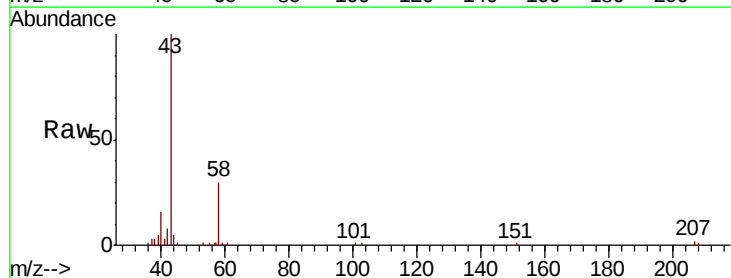
Acq: 13 Dec 2019 16:22

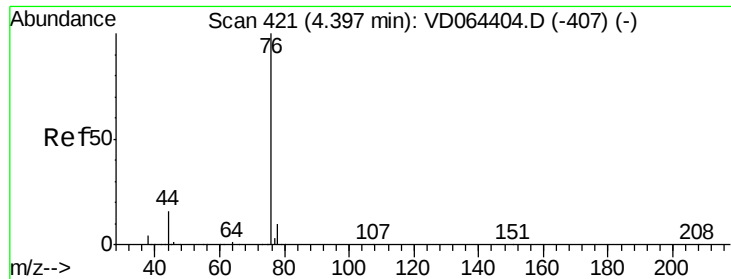
Tgt Ion: 43 Resp: 80379

Ion Ratio Lower Upper

43 100

58 30.1 22.6 33.8

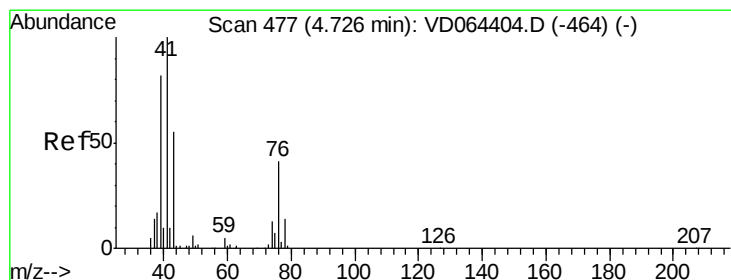
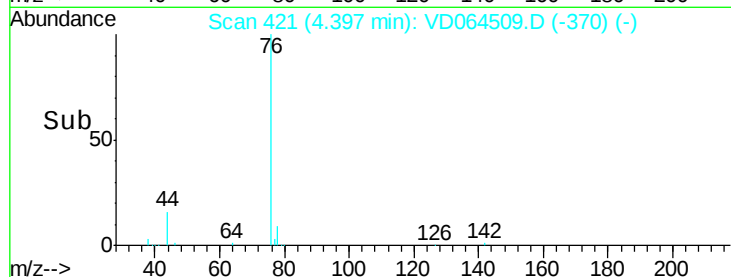
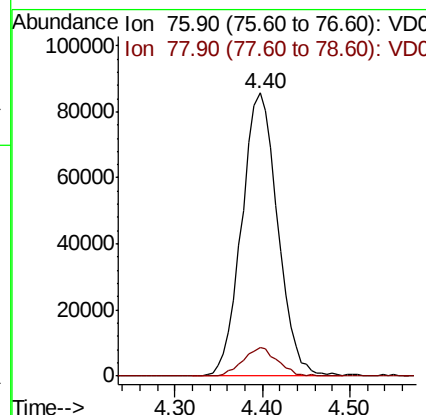
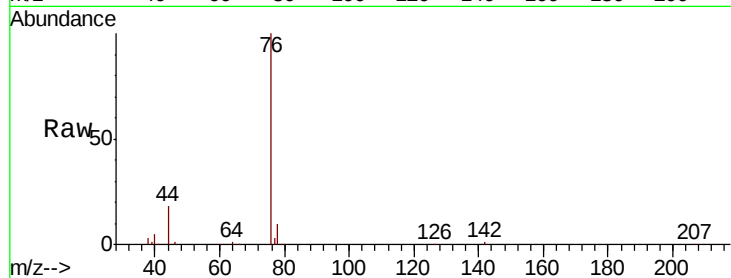




#17
Carbon Disulfide
Concen: 20.903 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

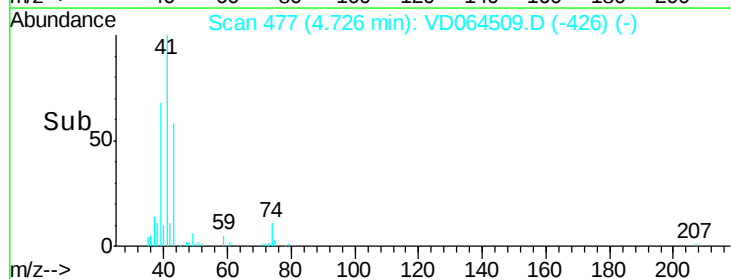
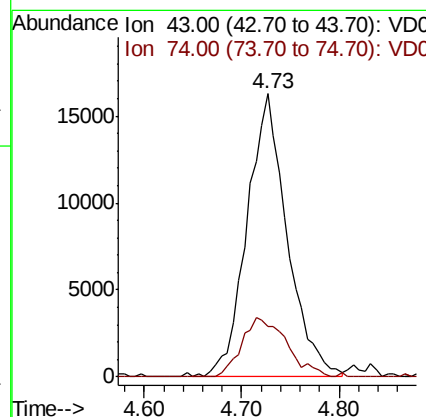
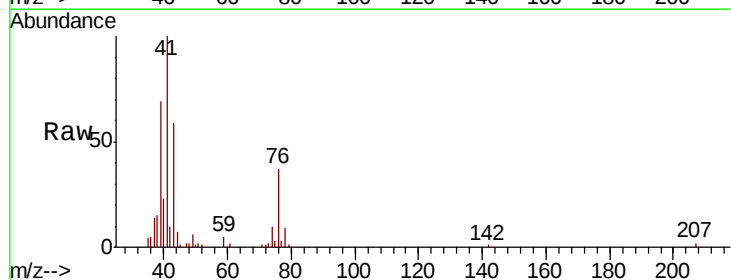
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

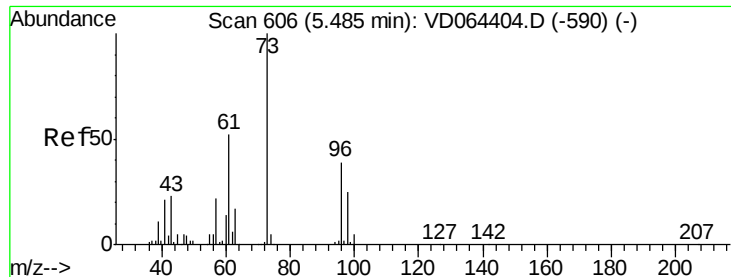
Tgt Ion: 76 Resp: 239102
Ion Ratio Lower Upper
76 100
78 10.2 7.8 11.8



#18
Methyl Acetate
Concen: 21.830 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 46669
Ion Ratio Lower Upper
43 100
74 23.5 19.7 29.5



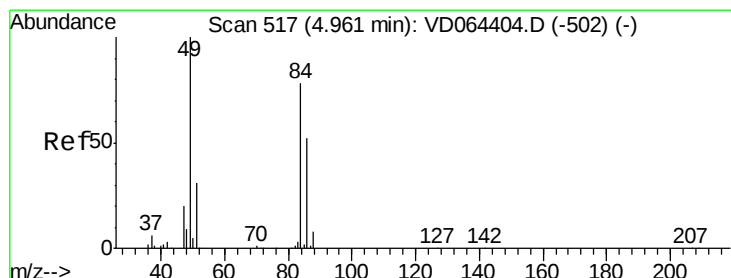
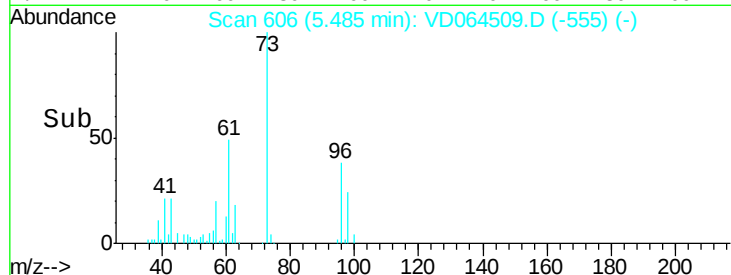
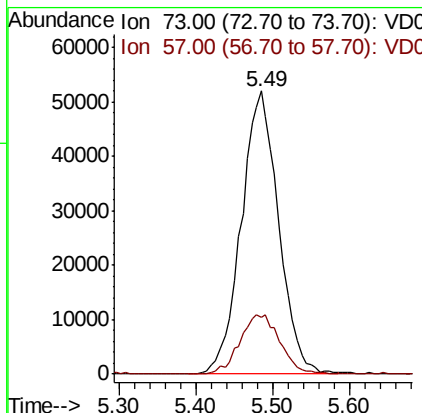
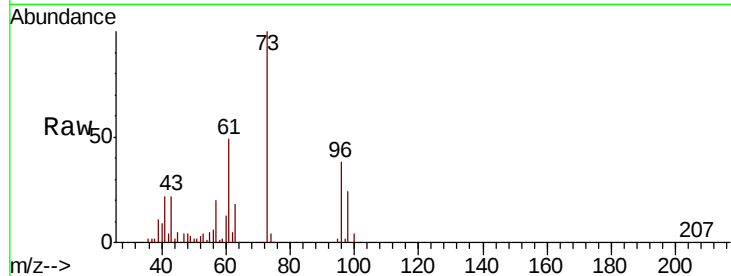


#19

Methyl tert-butyl Ether
 Concen: 21.268 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

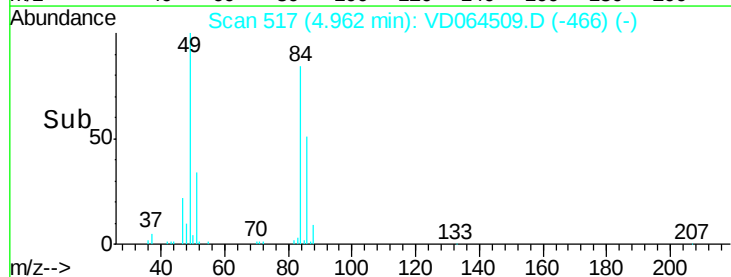
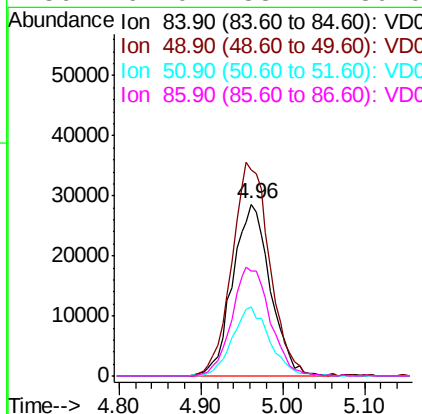
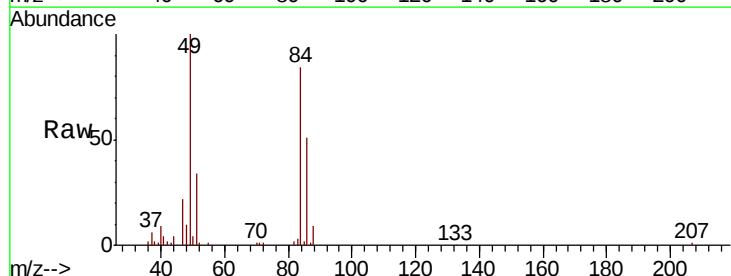
Tgt Ion: 73 Resp: 176196
 Ion Ratio Lower Upper
 73 100
 57 20.2 17.6 26.4

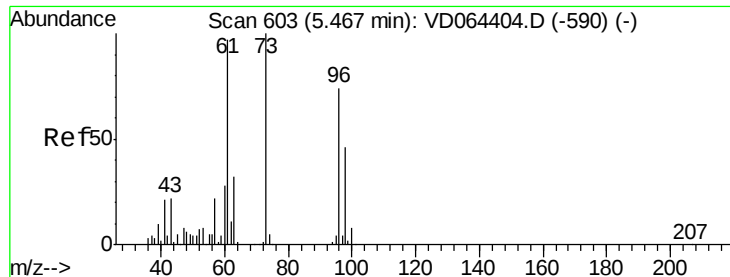


#20

Methylene Chloride
 Concen: 22.070 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 84 Resp: 91439
 Ion Ratio Lower Upper
 84 100
 49 119.5 102.6 153.8
 51 40.3 32.0 48.0
 86 61.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.588 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

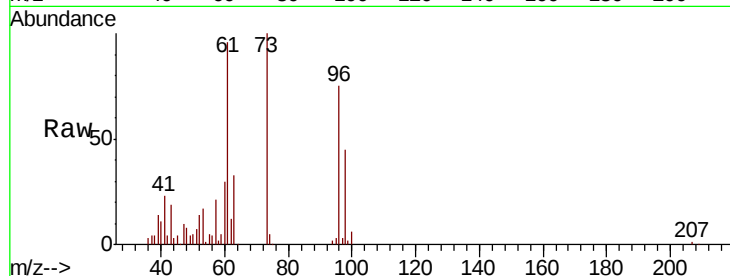
Tgt Ion: 96 Resp: 88194

Ion Ratio Lower Upper

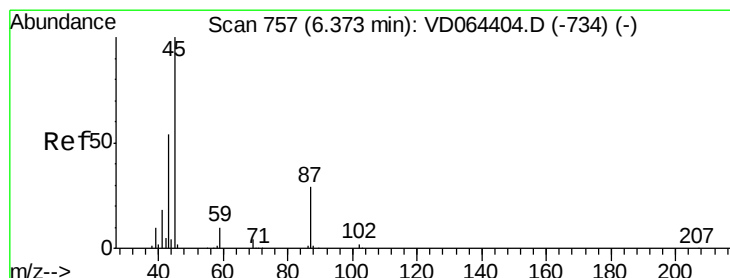
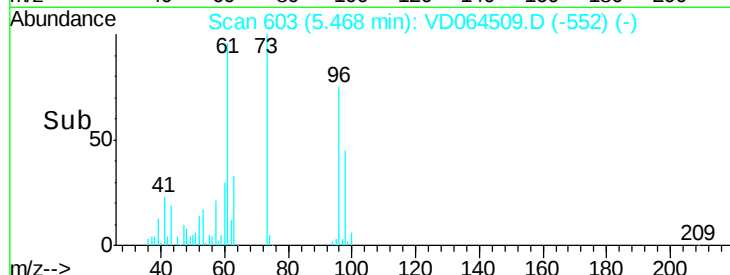
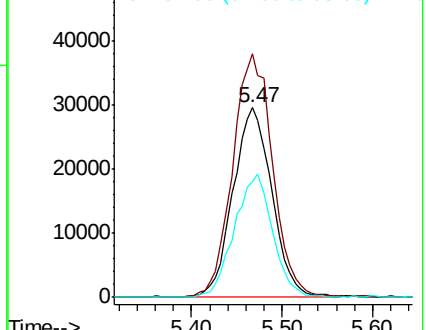
96 100

61 127.9 105.8 158.6

98 60.7 50.1 75.1



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



#22

Diisopropyl ether

Concen: 21.637 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 45 Resp: 240751

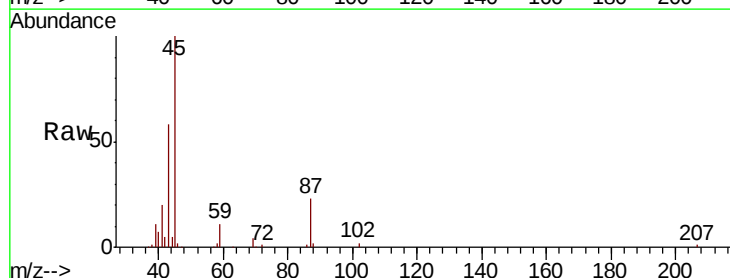
Ion Ratio Lower Upper

45 100

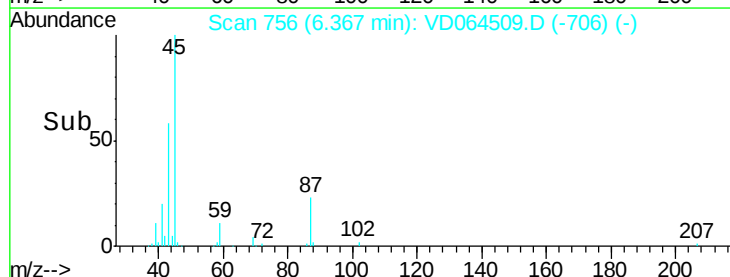
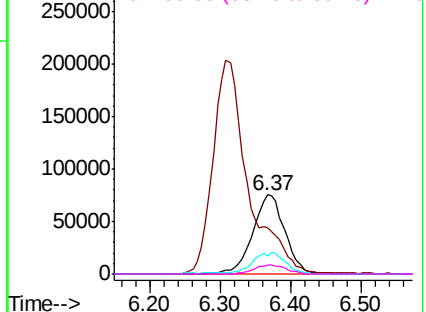
43 56.6 43.1 64.7

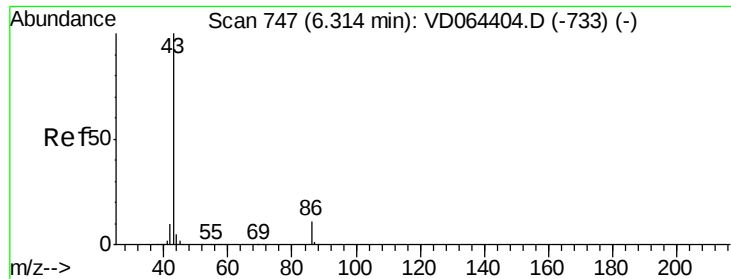
87 23.0 23.5 35.3#

59 11.1 8.2 12.2



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

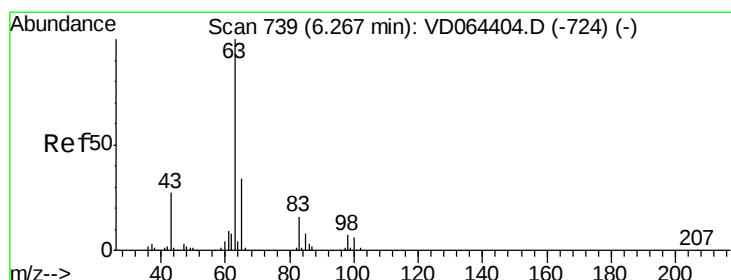
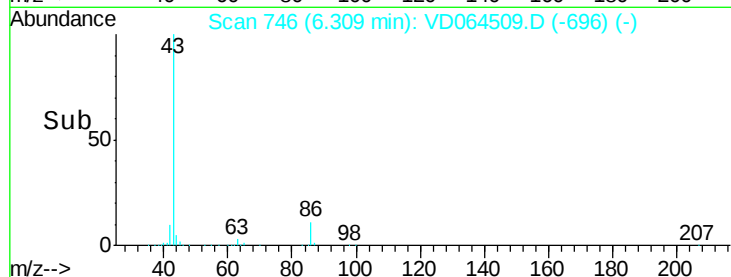
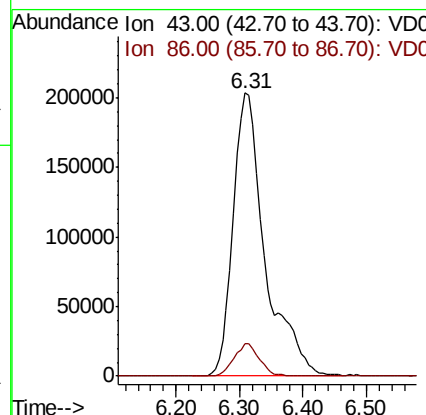
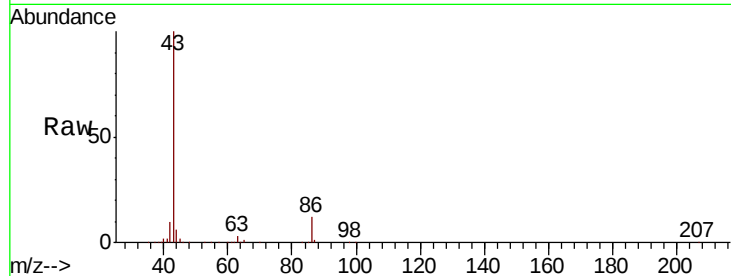




#23
 Vinyl Acetate
 Concen: 107.580 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

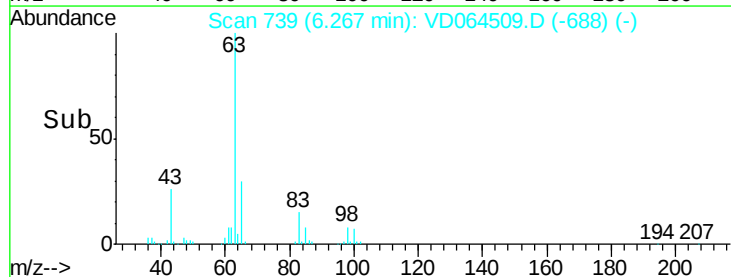
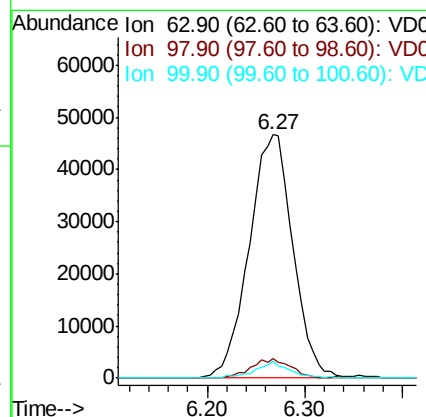
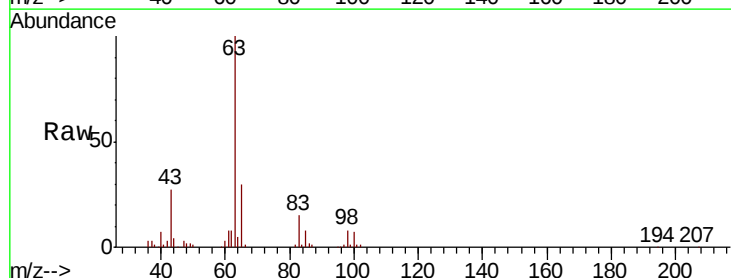
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

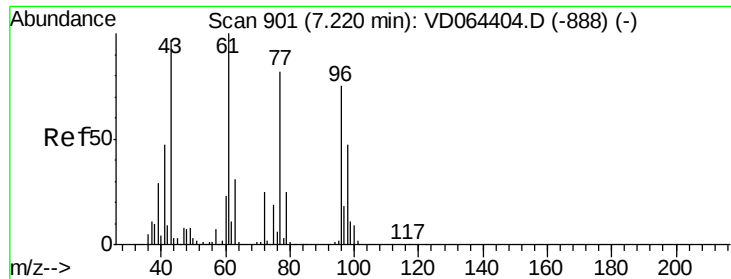
Tgt Ion: 43 Resp: 705704
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 21.881 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 63 Resp: 146421
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.6 10.9
 100 6.9 2.9 8.6





#25

2-Butanone

Concen: 106.147 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

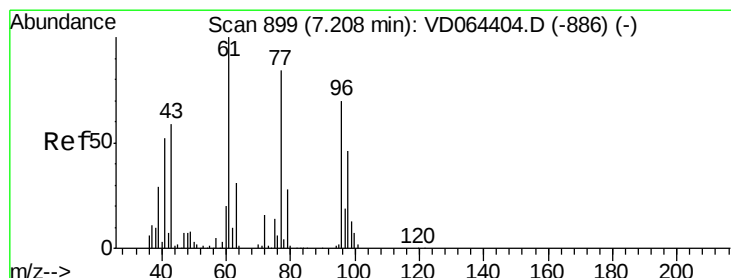
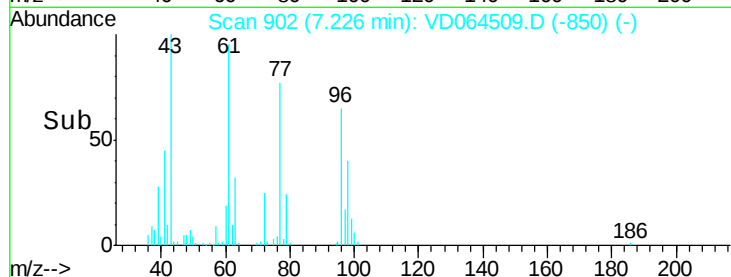
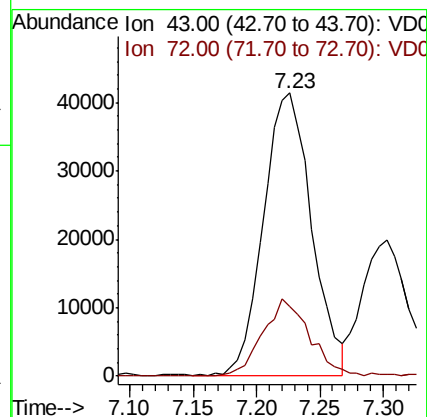
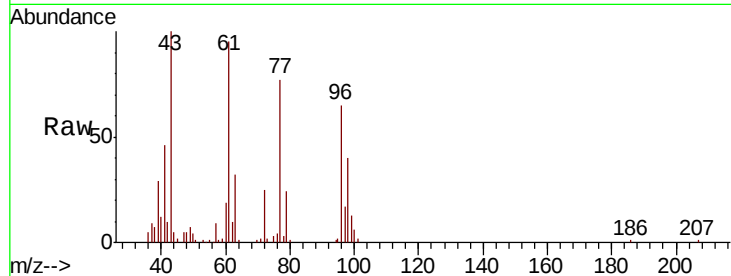
VD1213SBSD01

Tgt Ion: 43 Resp: 110021

Ion Ratio Lower Upper

43 100

72 24.6 21.0 31.4



#26

2,2-Dichloropropane

Concen: 22.647 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064509.D

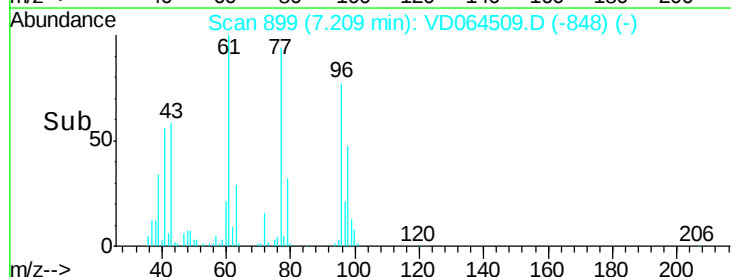
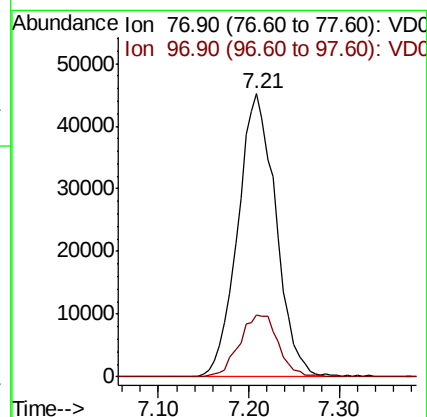
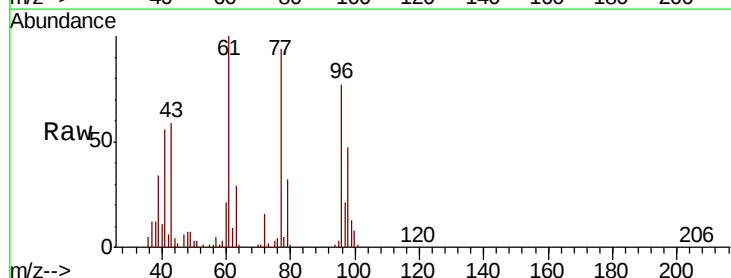
Acq: 13 Dec 2019 16:22

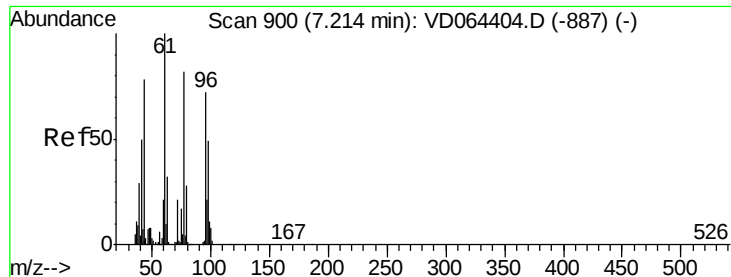
Tgt Ion: 77 Resp: 131792

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7

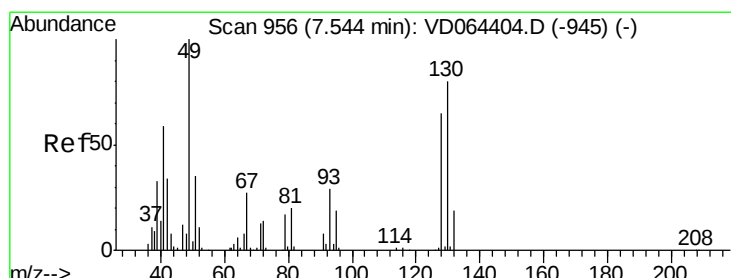
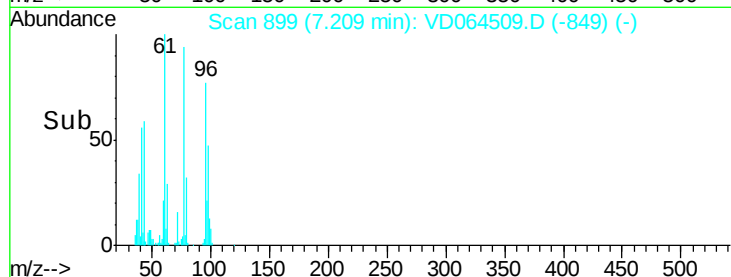
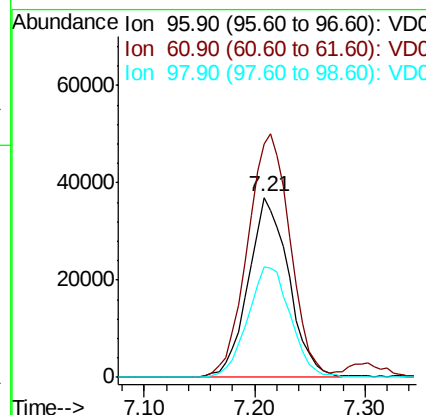
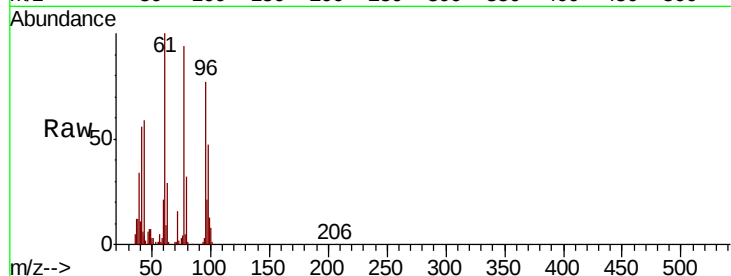




#27
 cis-1,2-Dichloroethene
 Concen: 21.372 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

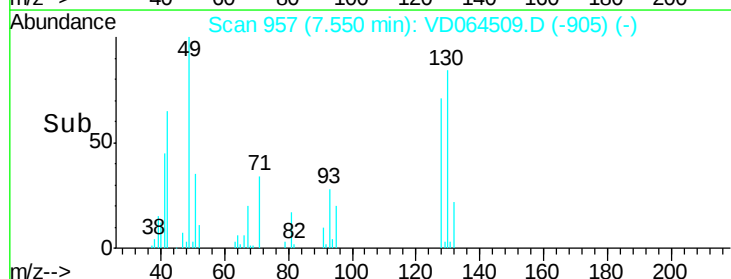
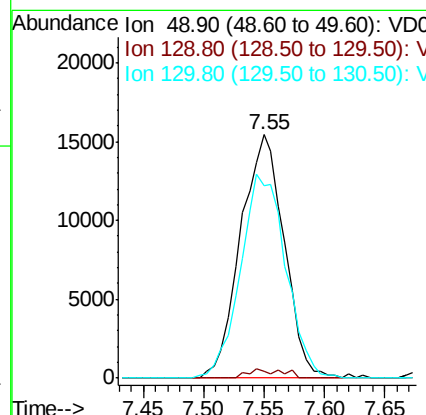
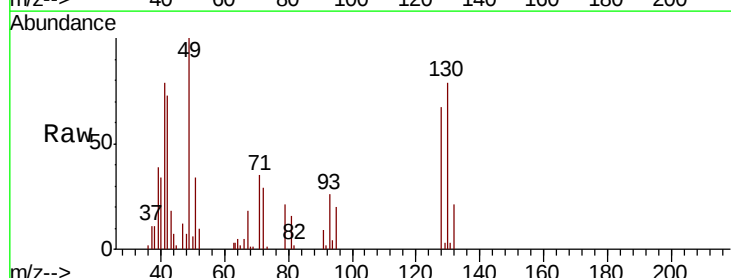
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

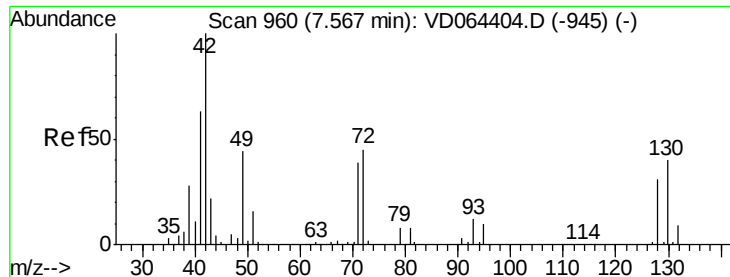
Tgt Ion: 96 Resp: 95191
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 279.6
 98 64.8 0.0 129.2



#28
 Bromochloromethane
 Concen: 16.929 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 49 Resp: 38714
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.4
 130 87.4 67.4 101.0

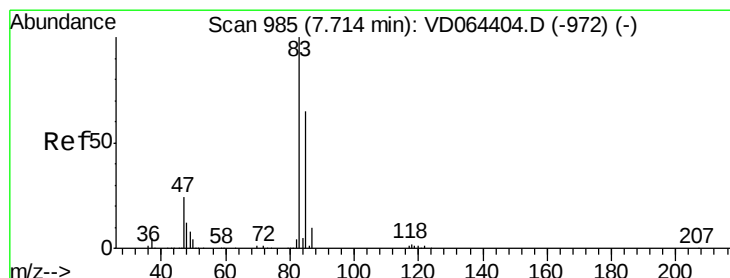
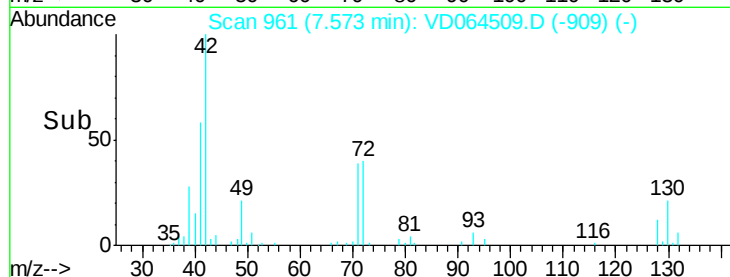
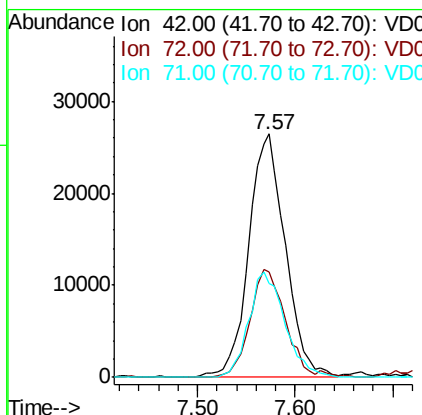
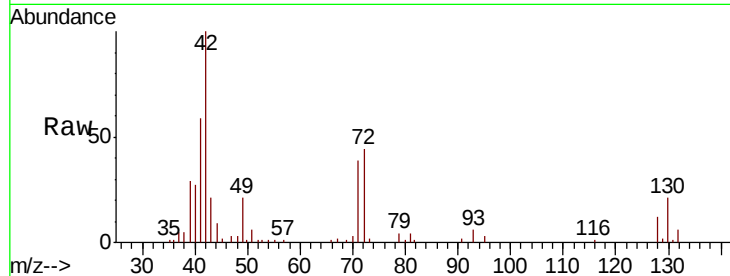




#29
Tetrahydrofuran
Concen: 105.547 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

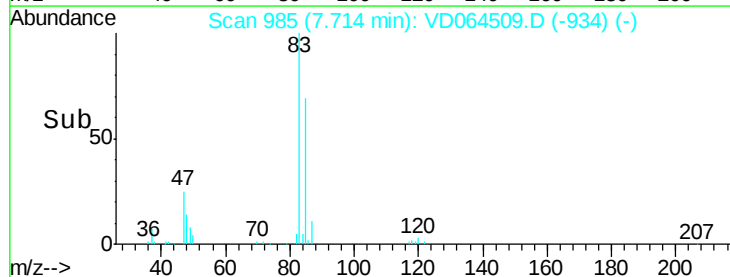
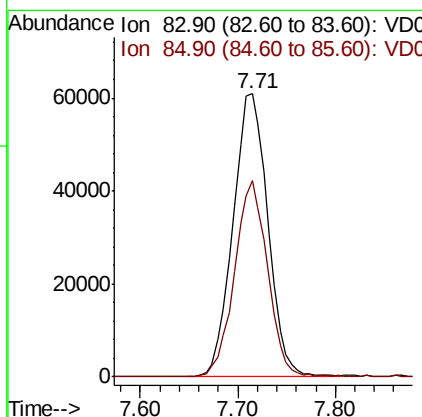
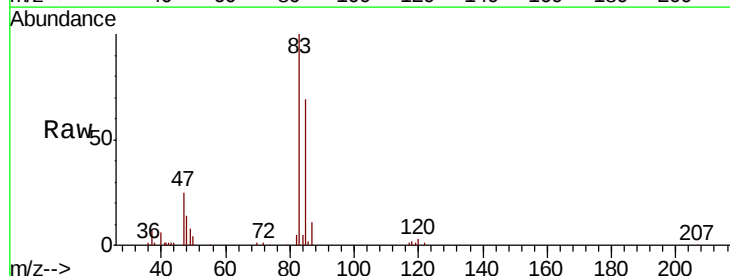
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

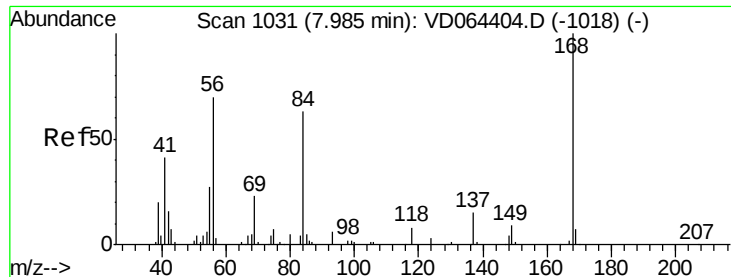
Tgt Ion: 42 Resp: 69602
Ion Ratio Lower Upper
42 100
72 43.3 35.8 53.8
71 42.5 32.7 49.1



#30
Chloroform
Concen: 21.931 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 83 Resp: 151988
Ion Ratio Lower Upper
83 100
85 69.3 51.8 77.6

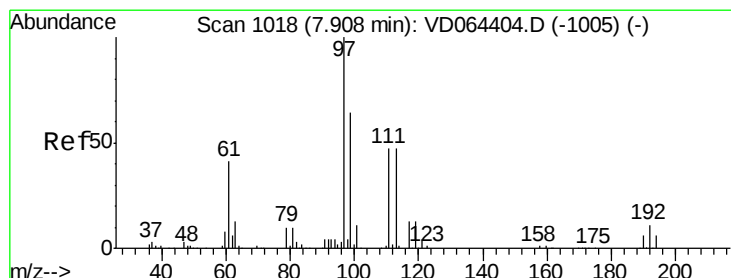
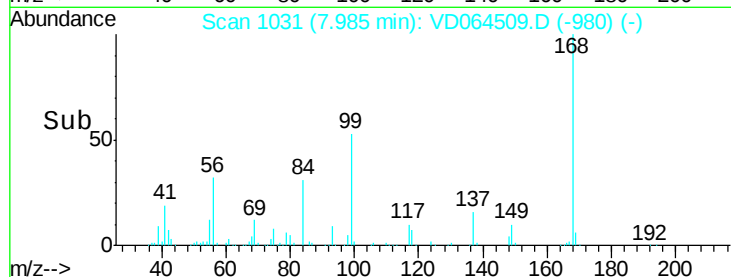
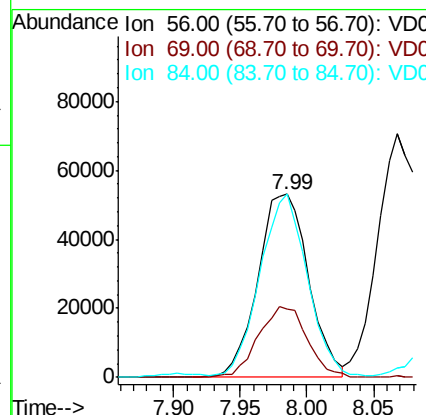
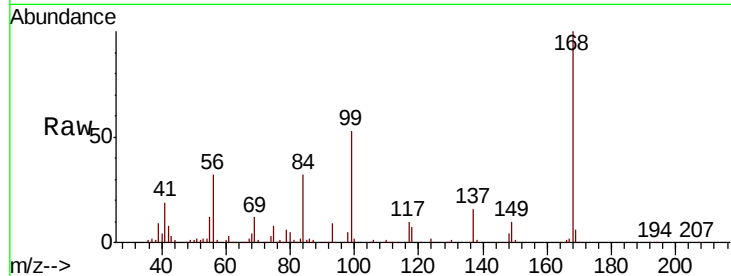




#31
Cyclohexane
Concen: 21.222 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

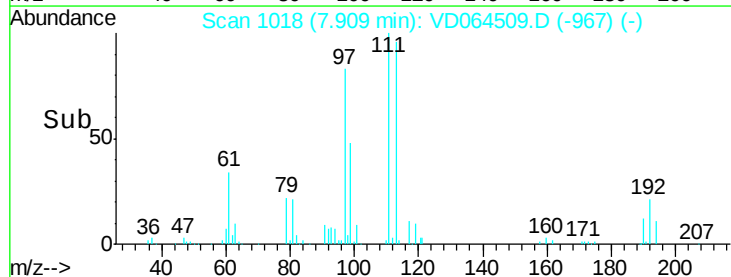
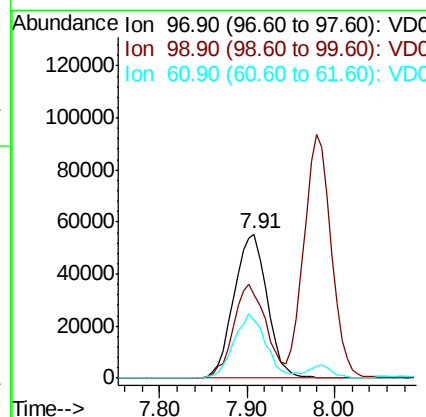
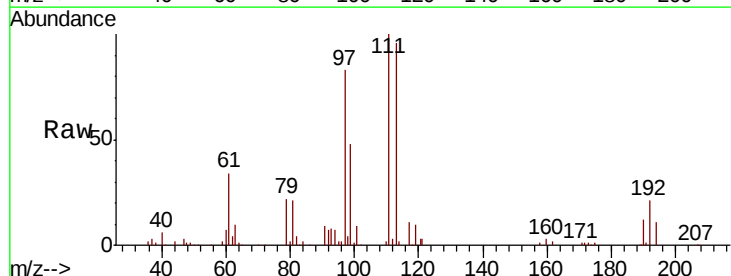
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

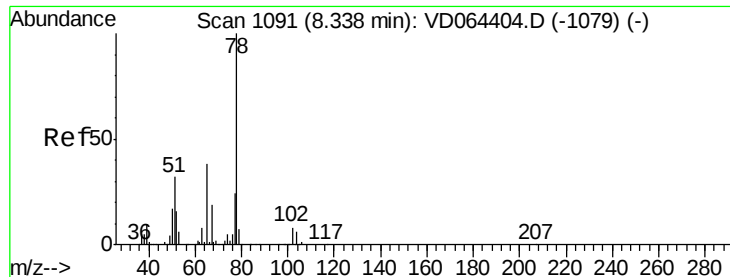
Tgt Ion: 56 Resp: 139408
Ion Ratio Lower Upper
56 100
69 37.0 26.2 39.4
84 98.7 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 22.233 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 97 Resp: 142848
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 42.8 35.0 52.4





#33

1,2-Dichloroethane-d4

Concen: 50.332 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

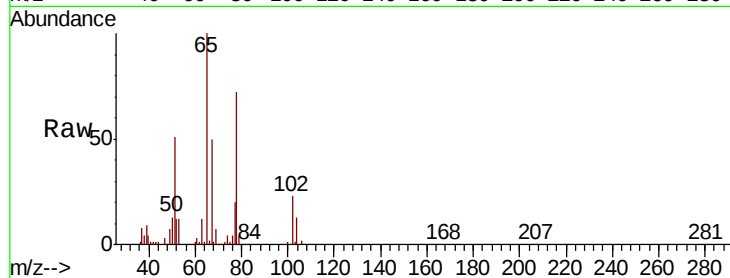
VD1213SBSD01

Tgt Ion: 65 Resp: 182547

Ion Ratio Lower Upper

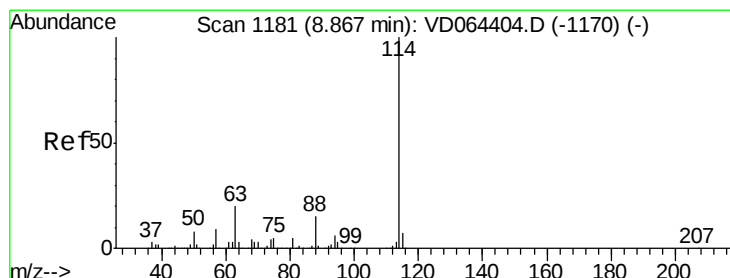
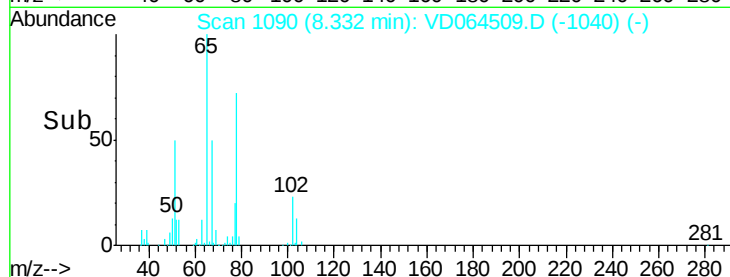
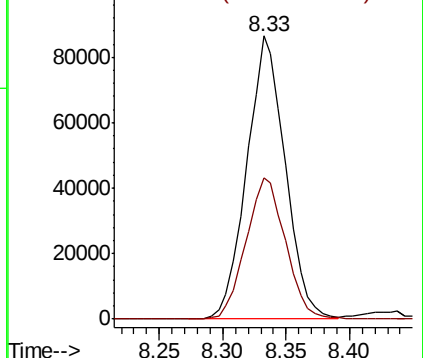
65 100

67 51.3 0.0 102.0



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: VD064509.D

Acq: 13 Dec 2019 16:22

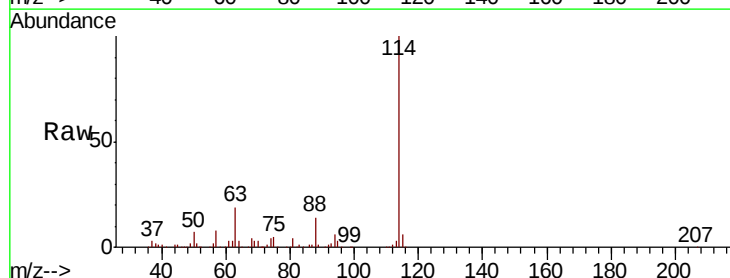
Tgt Ion: 114 Resp: 588036

Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

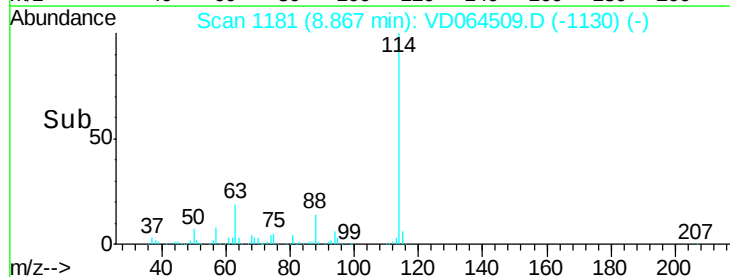
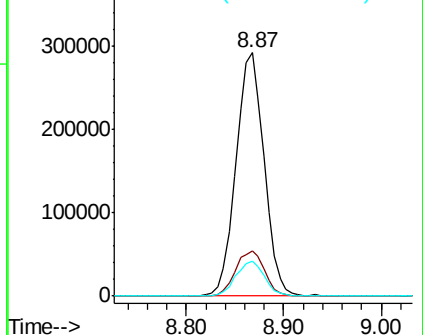
88 14.2 0.0 29.2

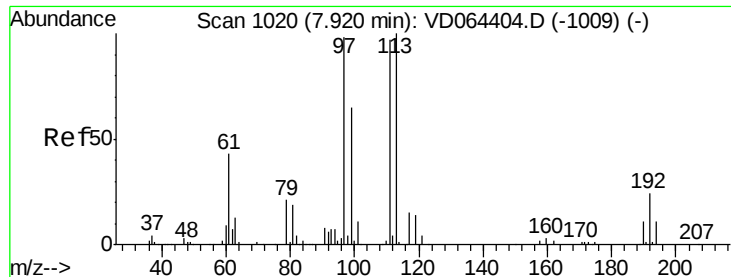


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

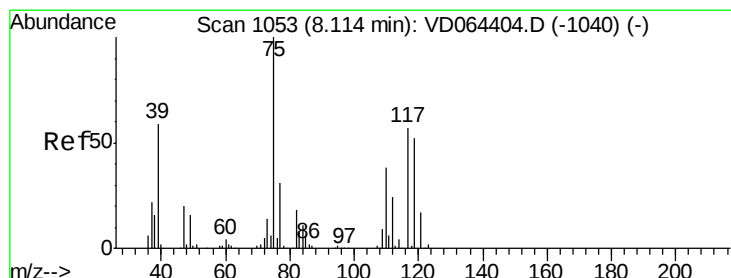
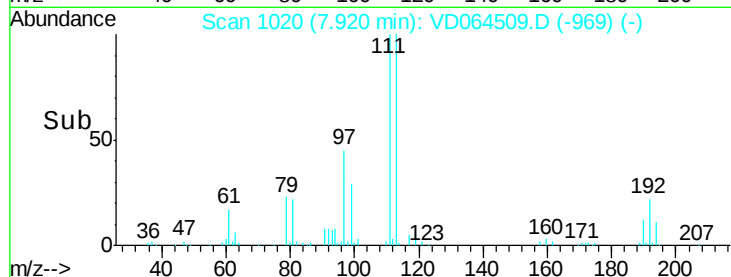
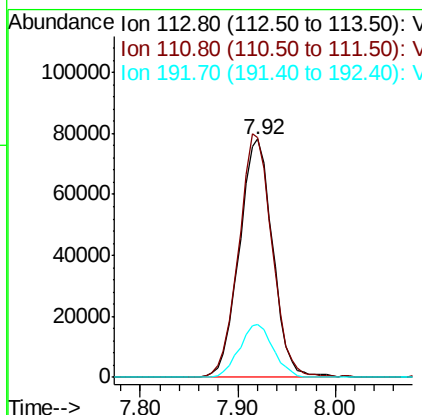
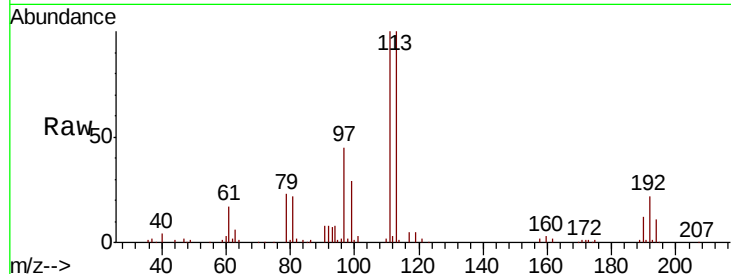




#35
 Dibromofluoromethane
 Concen: 50.129 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

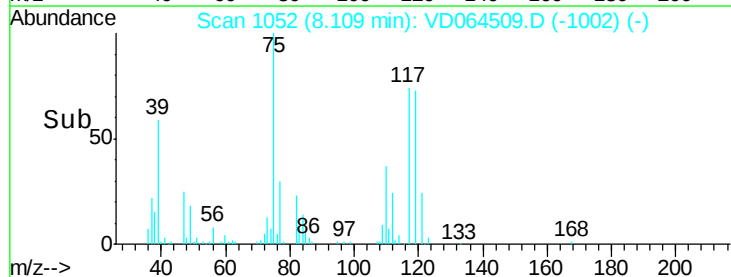
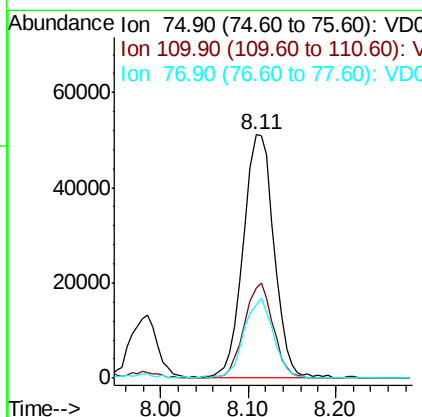
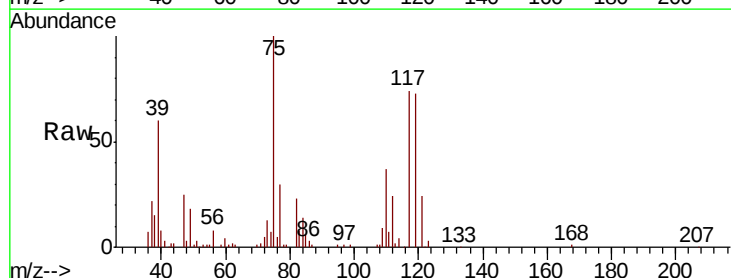
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

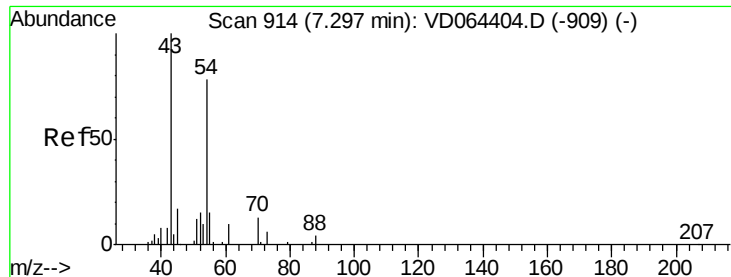
Tgt Ion: 113 Resp: 185723
 Ion Ratio Lower Upper
 113 100
 111 101.9 79.4 119.2
 192 22.6 18.6 28.0



#36
 1,1-Dichloropropene
 Concen: 22.016 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 75 Resp: 122455
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.6 55.8
 77 31.0 25.0 37.4

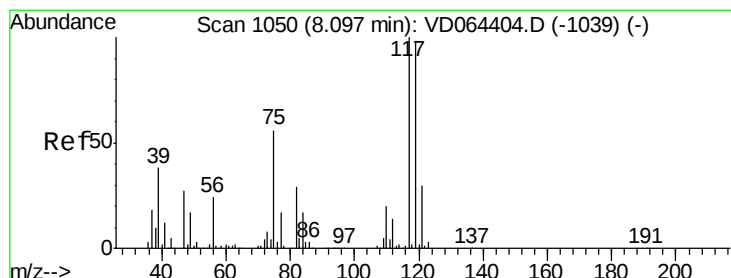
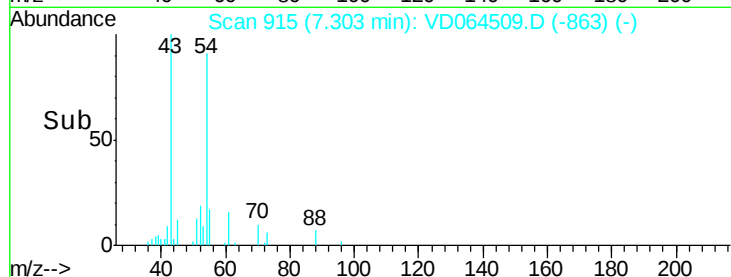
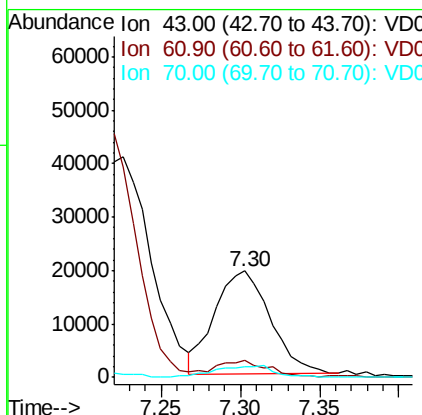
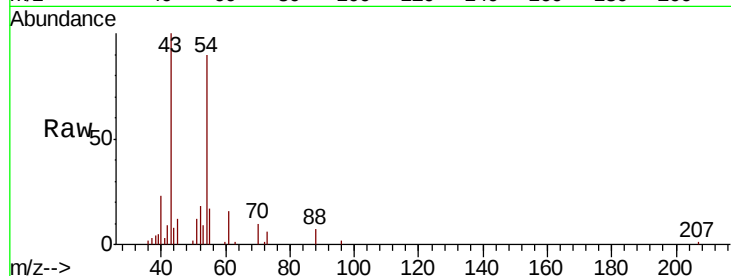




#37
Ethyl Acetate
Concen: 19.898 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

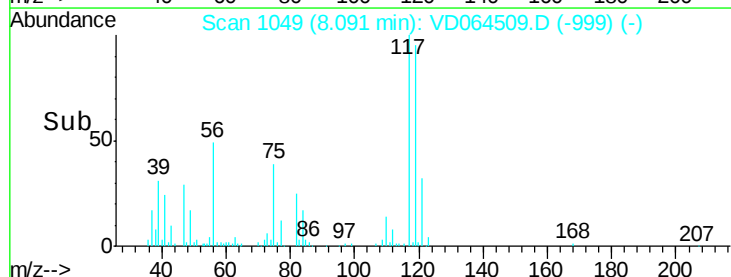
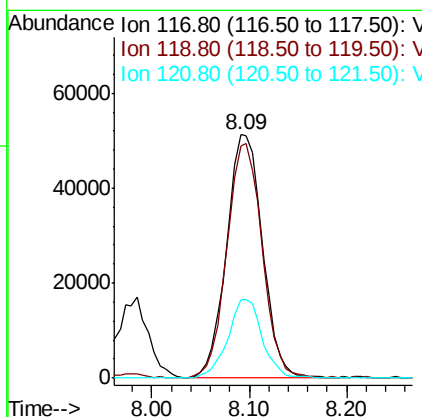
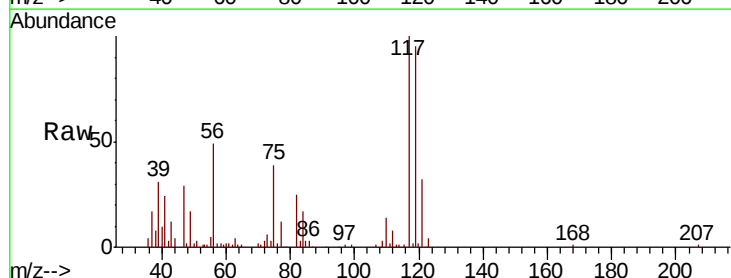
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

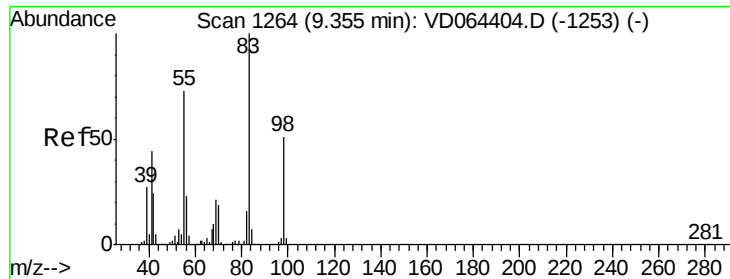
Tgt Ion: 43 Resp: 46961
Ion Ratio Lower Upper
43 100
61 14.2 10.9 16.3
70 12.0 8.3 12.5



#38
Carbon Tetrachloride
Concen: 22.417 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 117 Resp: 131594
Ion Ratio Lower Upper
117 100
119 95.2 78.8 118.2
121 32.1 24.2 36.2

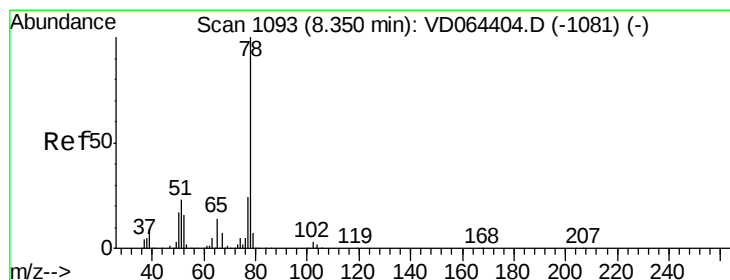
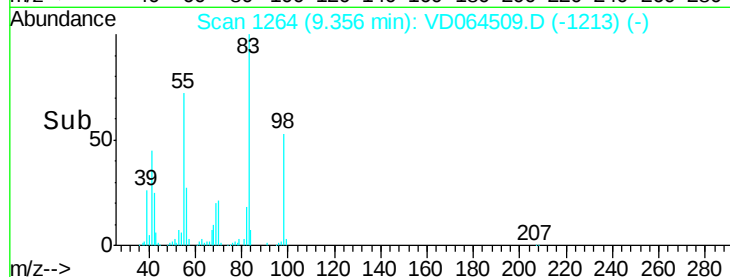
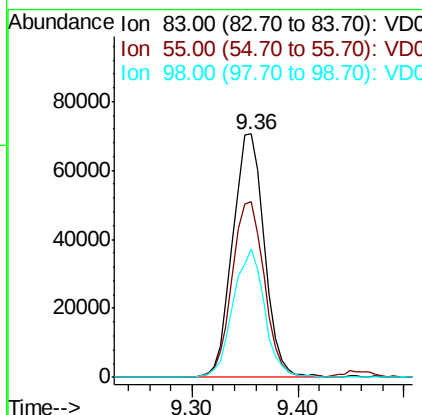
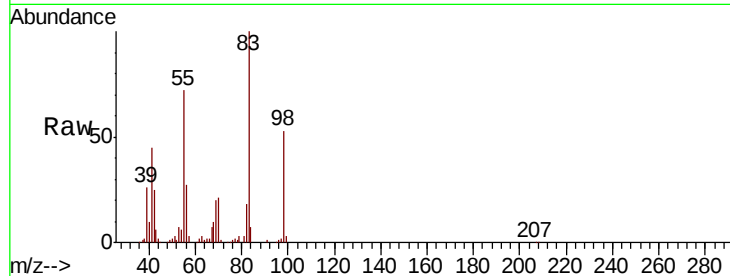




#39
Methylcyclohexane
Concen: 21.300 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

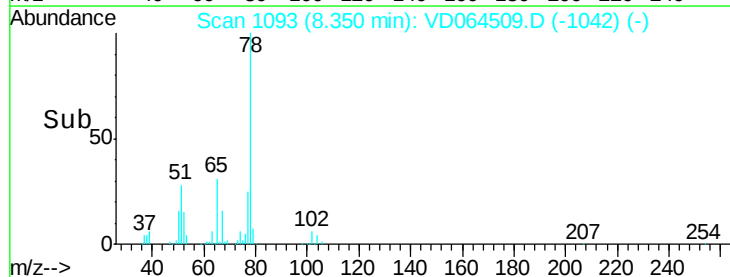
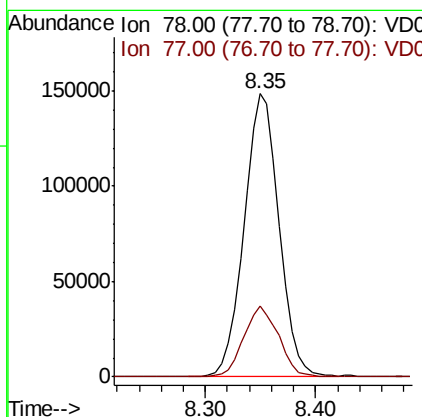
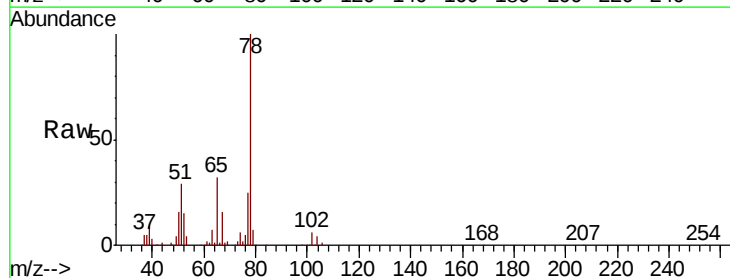
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

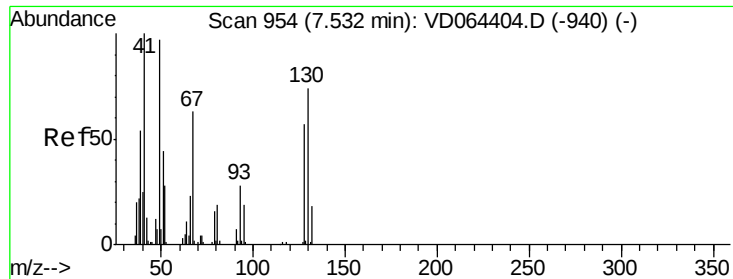
Tgt Ion: 83 Resp: 146957
Ion Ratio Lower Upper
83 100
55 72.3 58.6 87.8
98 52.7 40.9 61.3



#40
Benzene
Concen: 21.318 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 78 Resp: 329317
Ion Ratio Lower Upper
78 100
77 25.1 19.6 29.4





#41

Methacrylonitrile

Concen: 20.926 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tgt Ion: 41 Resp: 28323

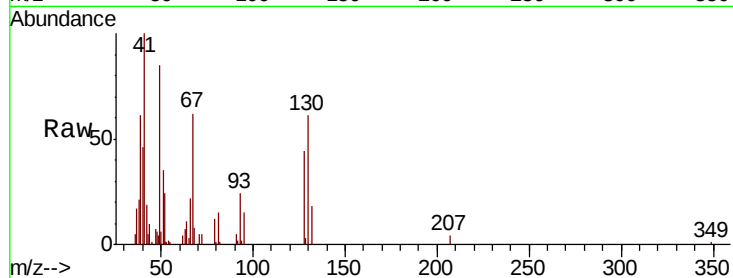
Ion Ratio Lower Upper

41 100

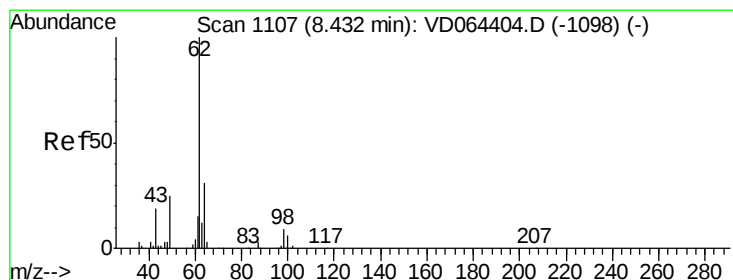
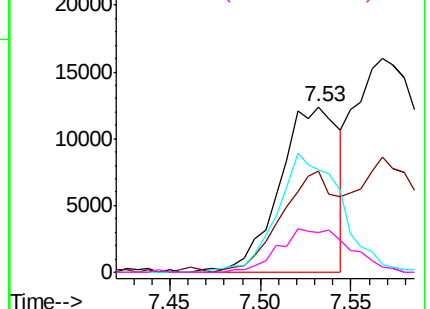
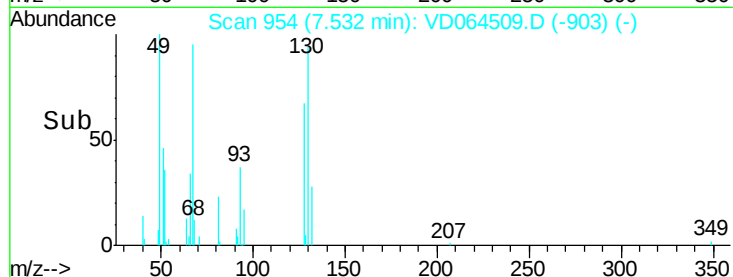
39 56.7 44.6 67.0

67 77.2 50.9 76.3#

52 31.5 22.5 33.7



Abundance Ion 41.00 (40.70 to 41.70): VDC
 25000
 Ion 39.00 (38.70 to 39.70): VDC
 Ion 67.00 (66.70 to 67.70): VDC
 Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.500 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064509.D

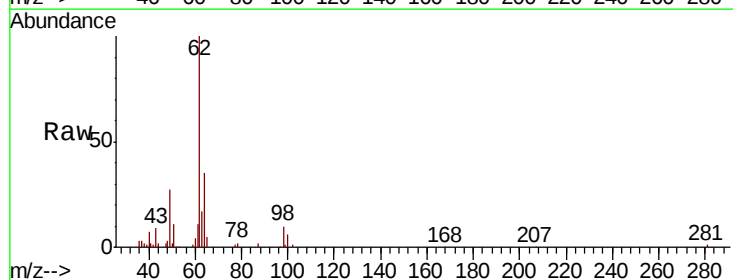
Acq: 13 Dec 2019 16:22

Tgt Ion: 62 Resp: 96857

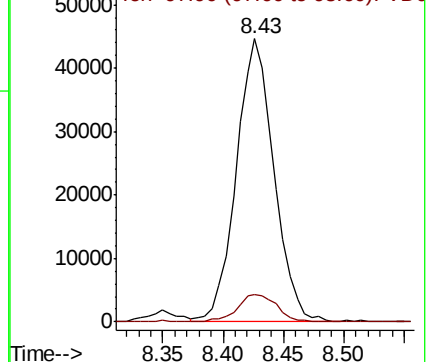
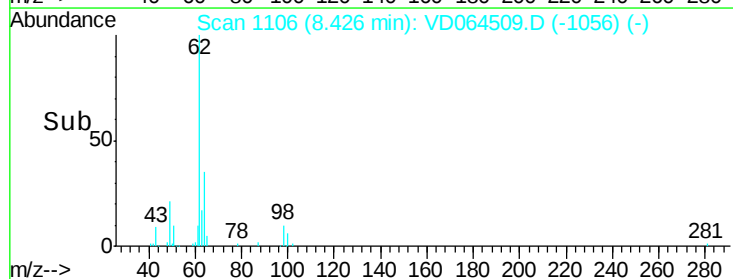
Ion Ratio Lower Upper

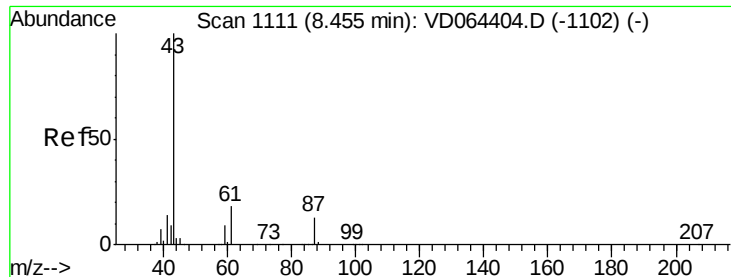
62 100

98 10.2 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
 50000
 Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.380 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

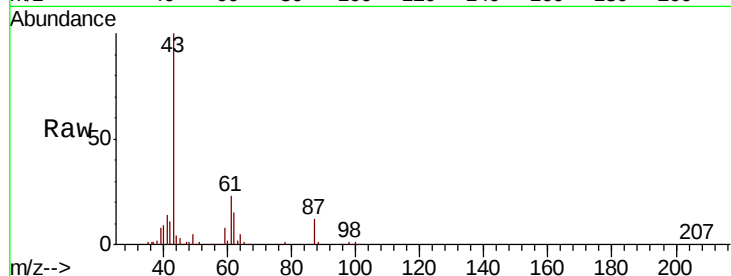
Tgt Ion: 43 Resp: 99211

Ion Ratio Lower Upper

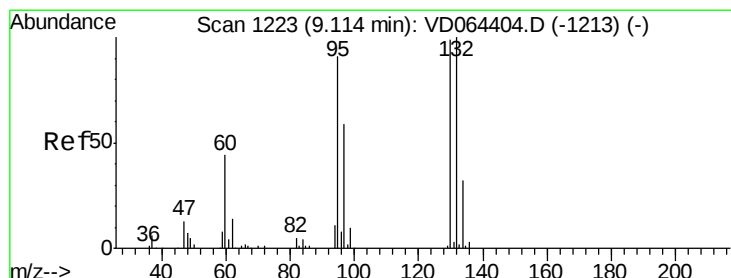
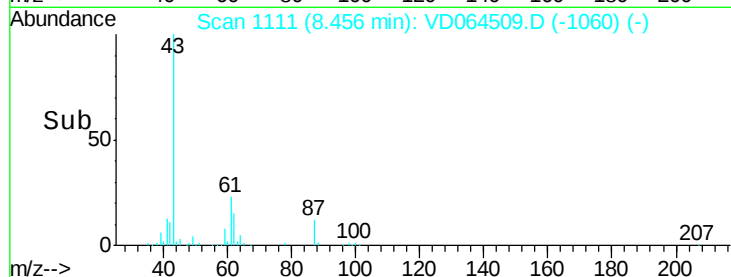
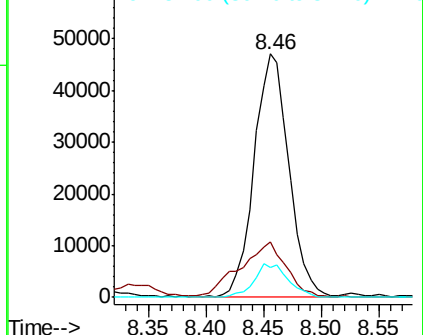
43 100

61 30.6 24.0 36.0

87 13.5 10.6 15.8



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: 21.233 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064509.D

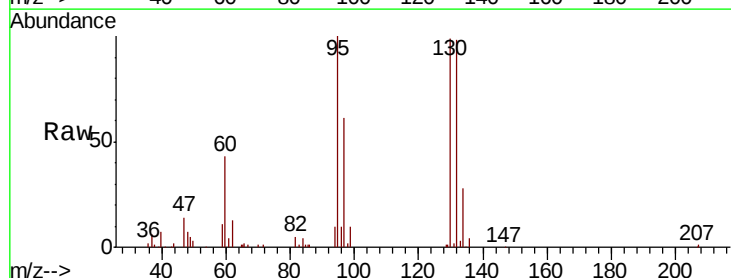
Acq: 13 Dec 2019 16:22

Tgt Ion: 130 Resp: 98804

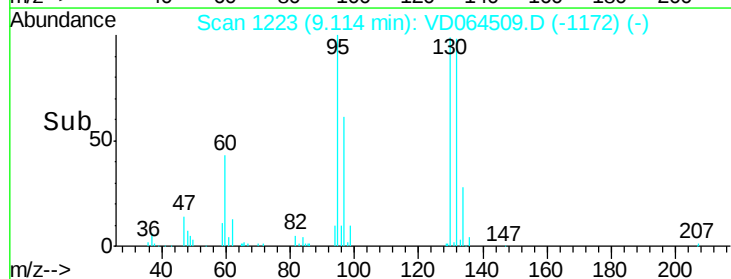
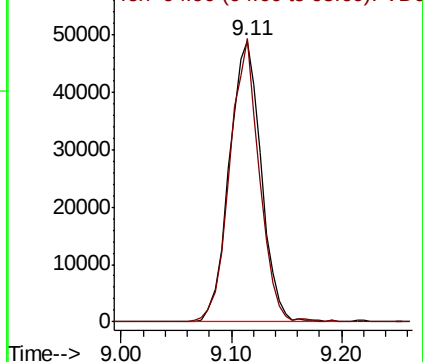
Ion Ratio Lower Upper

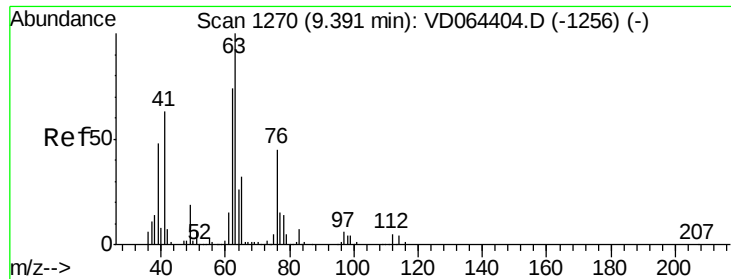
130 100

95 100.7 0.0 184.6



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

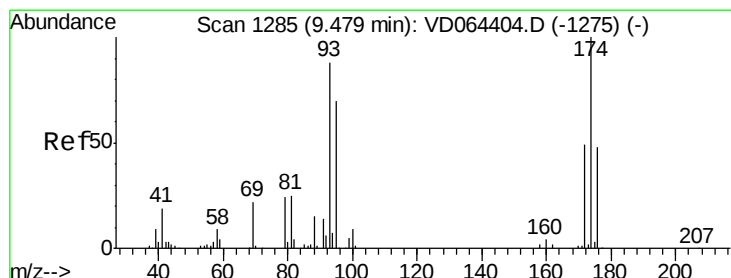
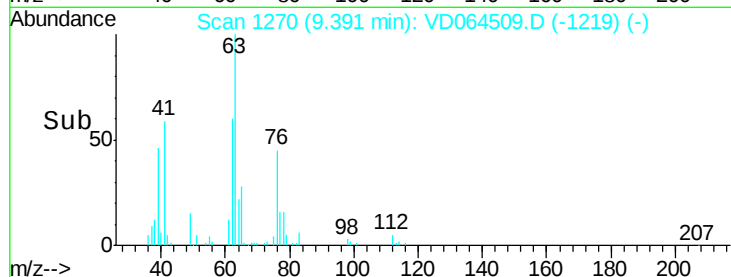
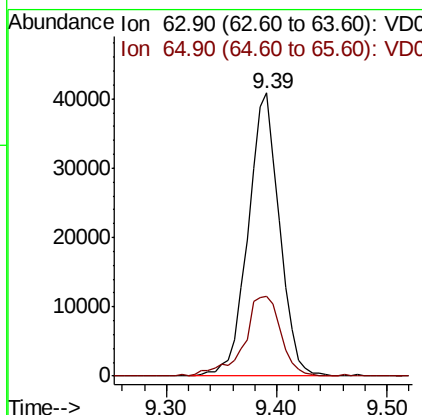
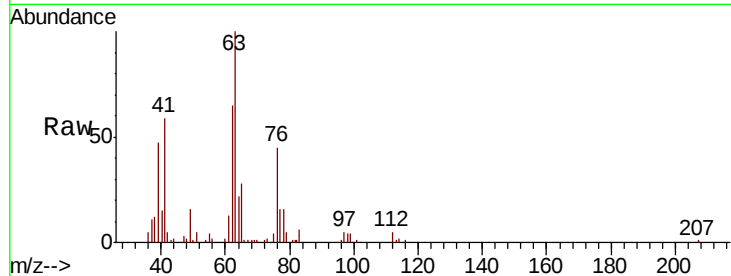




#45
 1,2-Dichloropropane
 Concen: 22.056 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

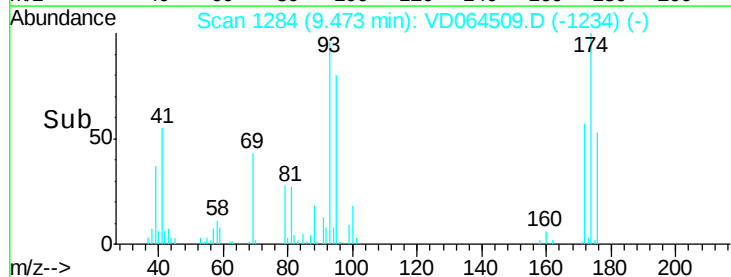
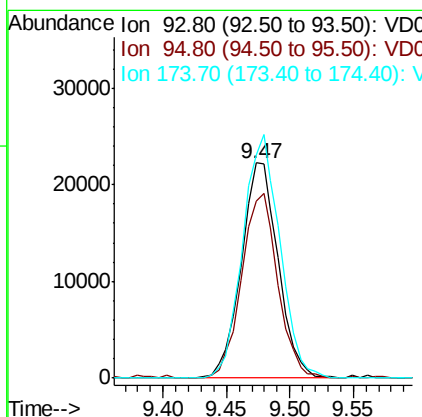
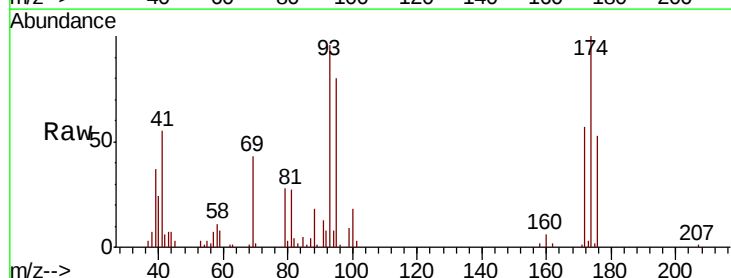
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

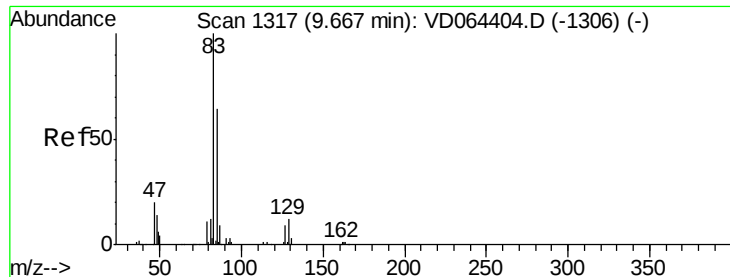
Tgt Ion: 63 Resp: 81486
 Ion Ratio Lower Upper
 63 100
 65 28.4 25.4 38.0



#46
 Dibromomethane
 Concen: 21.674 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 93 Resp: 45194
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 113.2 92.3 138.5





#47

Bromodichloromethane

Concen: 22.045 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

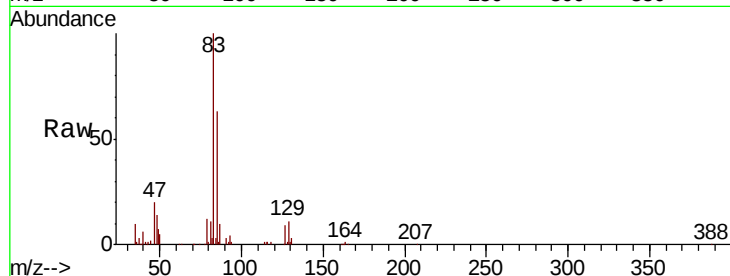
Tgt Ion: 83 Resp: 118114

Ion Ratio Lower Upper

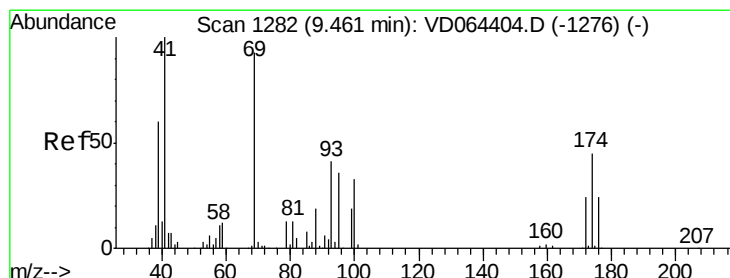
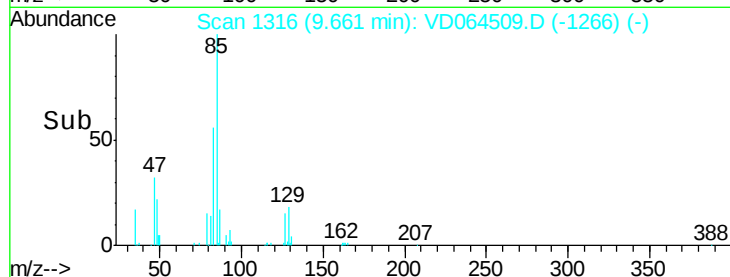
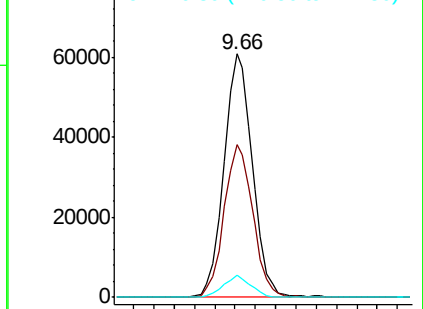
83 100

85 62.6 51.1 76.7

127 9.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.933 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

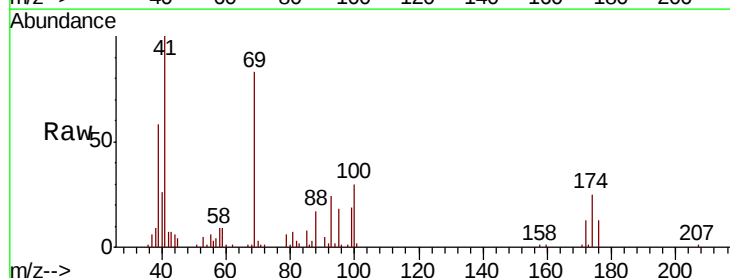
Tgt Ion: 41 Resp: 46573

Ion Ratio Lower Upper

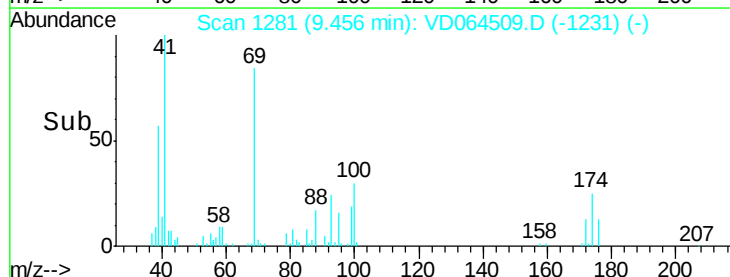
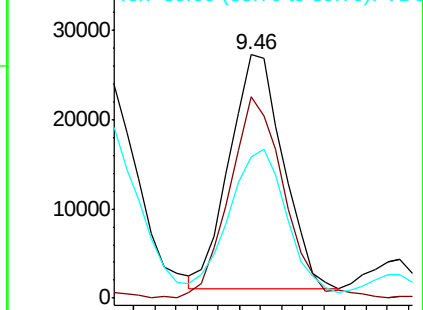
41 100

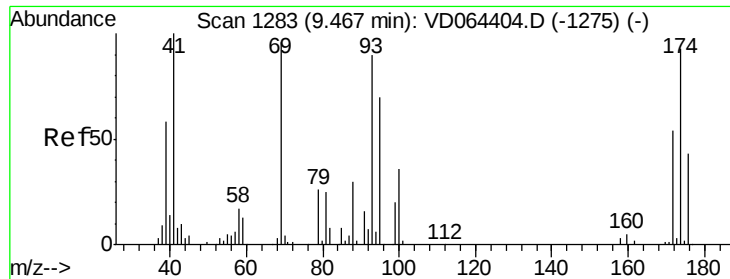
69 87.3 72.0 108.0

39 63.8 55.2 82.8



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: 439.513 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

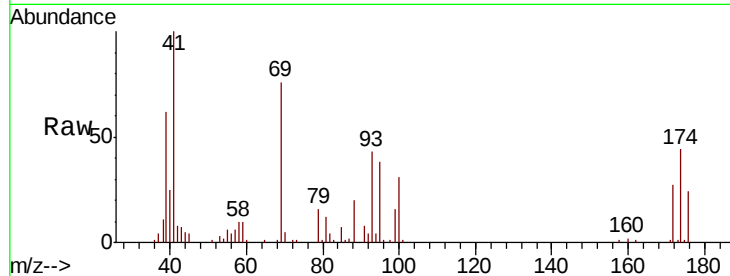
Tgt Ion: 88 Resp: 11317

Ion Ratio Lower Upper

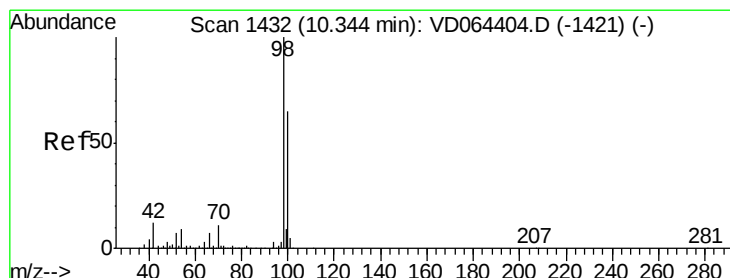
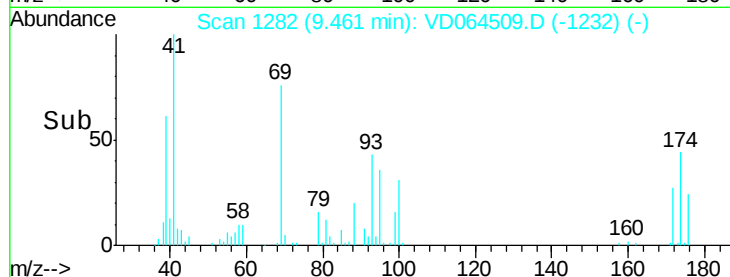
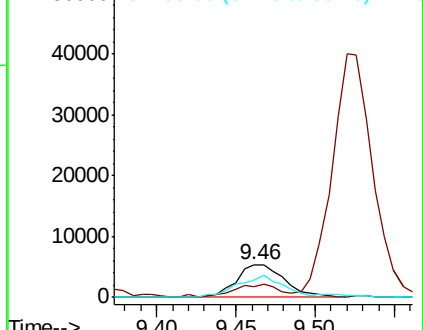
88 100

43 37.6 26.7 40.1

58 64.6 52.3 78.5



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



#50

Toluene-d8

Concen: 50.089 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064509.D

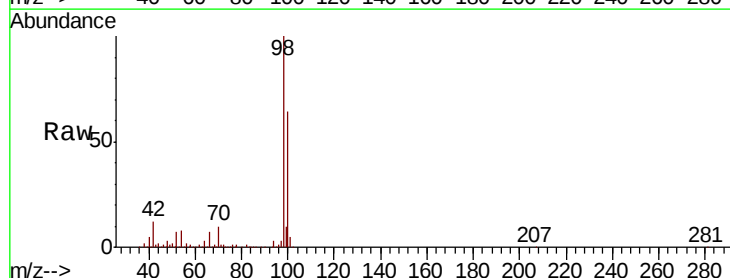
Acq: 13 Dec 2019 16:22

Tgt Ion: 98 Resp: 699044

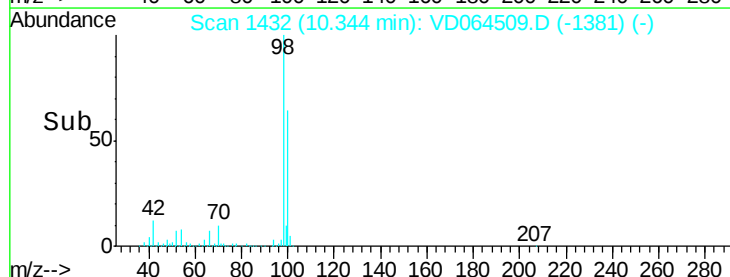
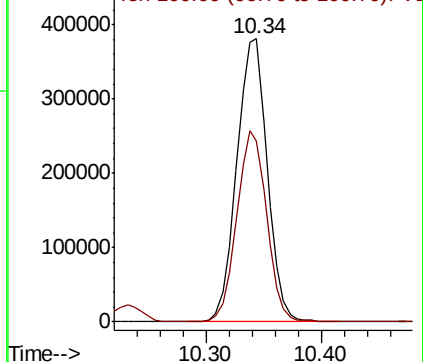
Ion Ratio Lower Upper

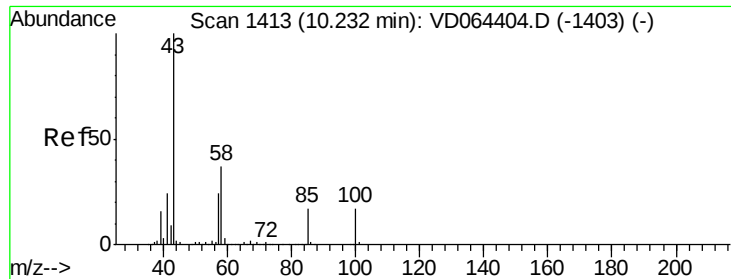
98 100

100 65.8 52.6 79.0



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

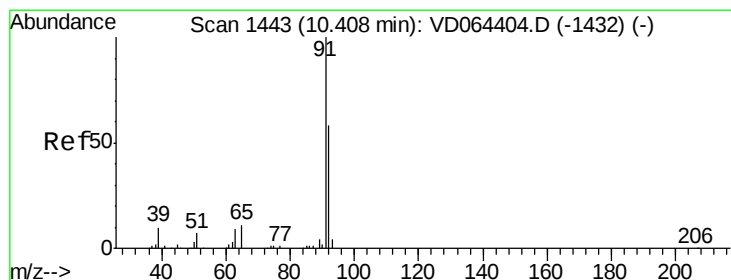
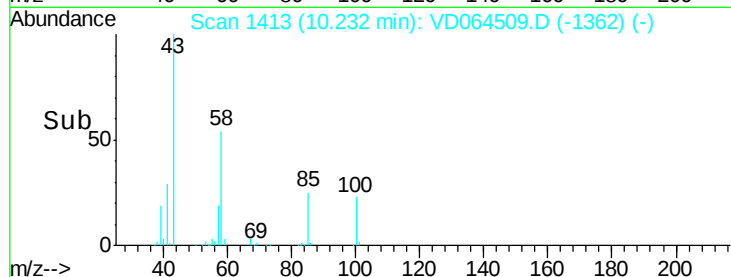
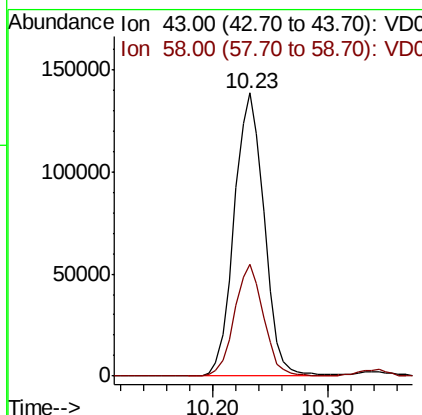
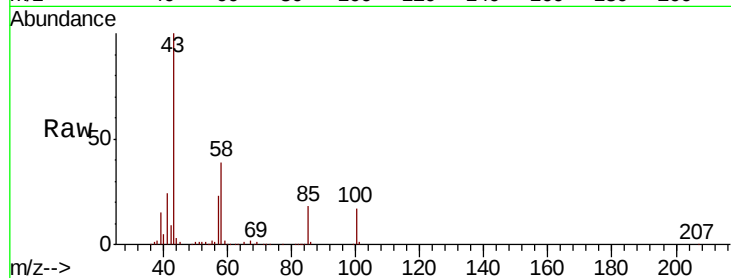




#51
 4-Methyl-2-Pentanone
 Concen: 108.453 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

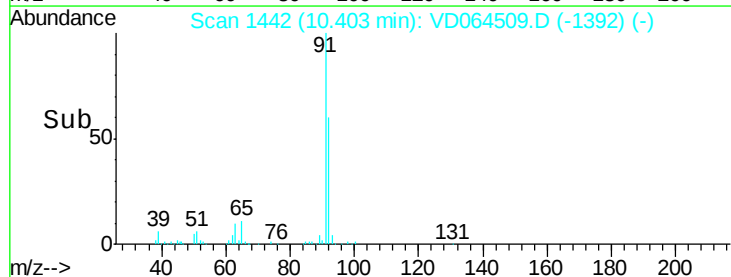
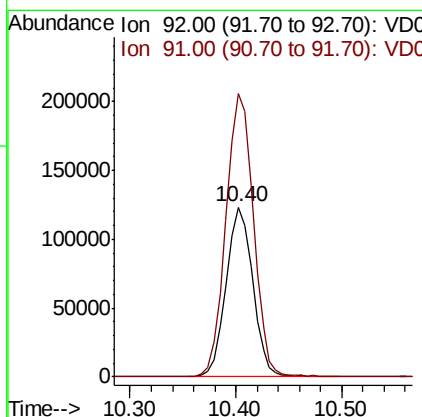
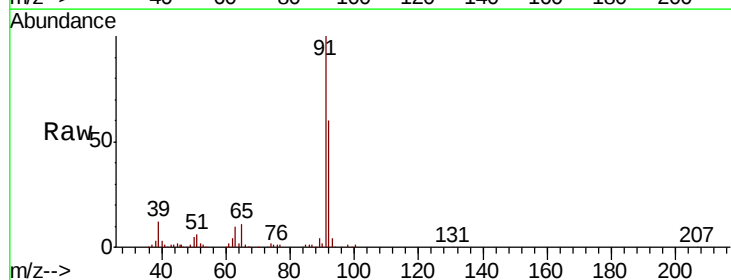
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Tgt Ion: 43 Resp: 249009
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.6 46.0



#52
 Toluene
 Concen: 21.441 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 92 Resp: 215856
 Ion Ratio Lower Upper
 92 100
 91 173.0 137.8 206.6

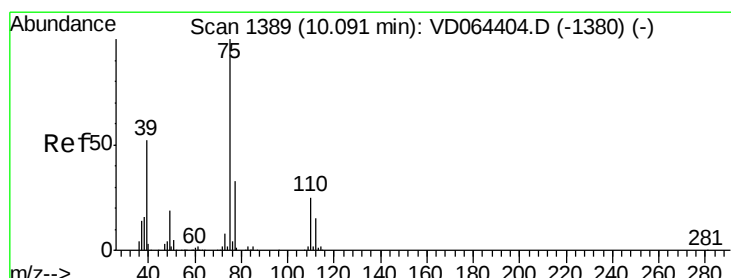
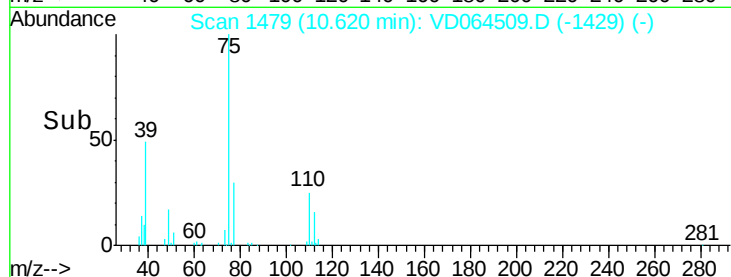
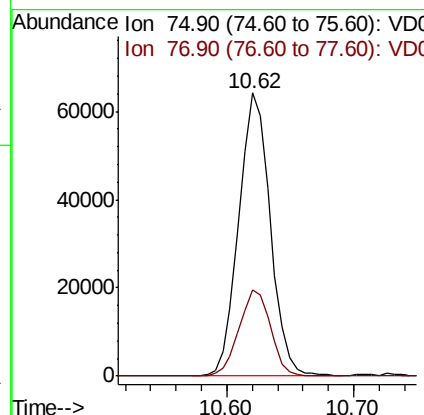
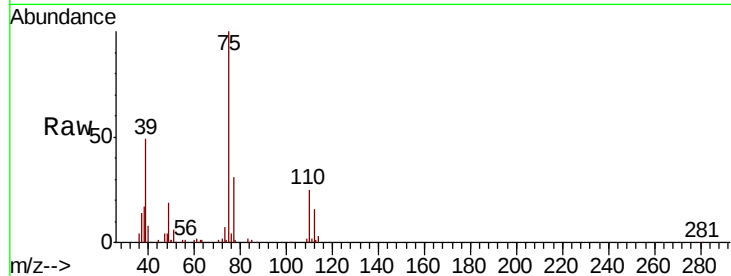




#53
 t-1,3-Dichloropropene
 Concen: 21.592 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

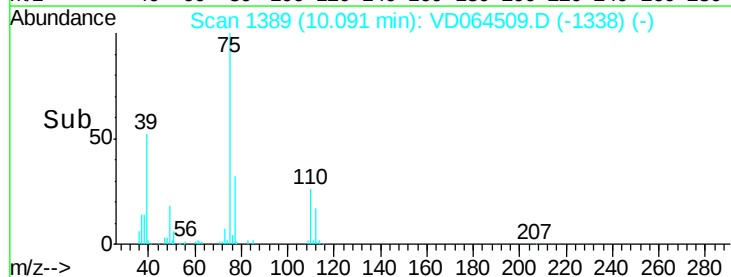
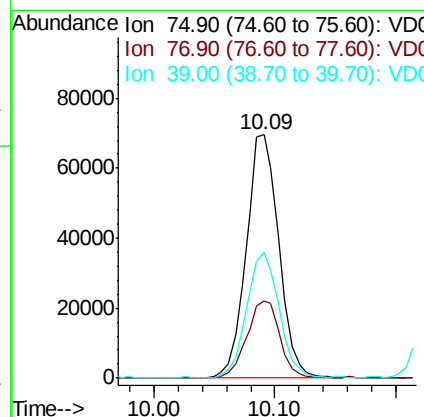
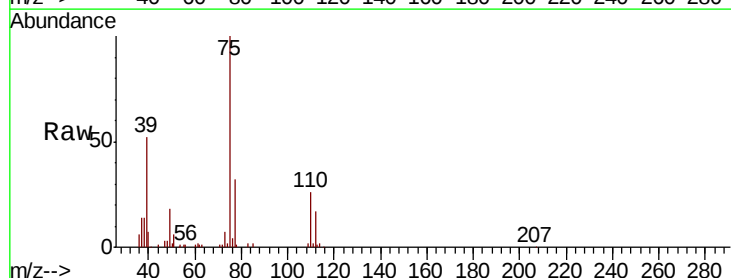
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

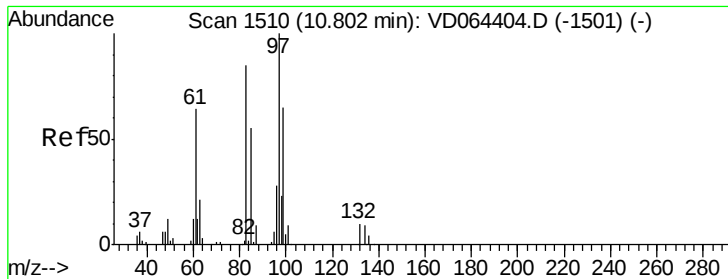
Tgt Ion: 75 Resp: 110254
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 21.577 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 75 Resp: 130886
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.1 39.1
 39 51.5 41.5 62.3

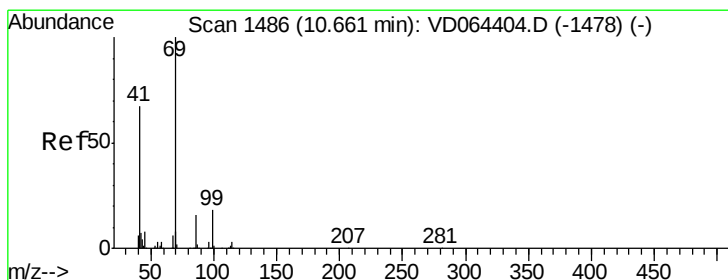
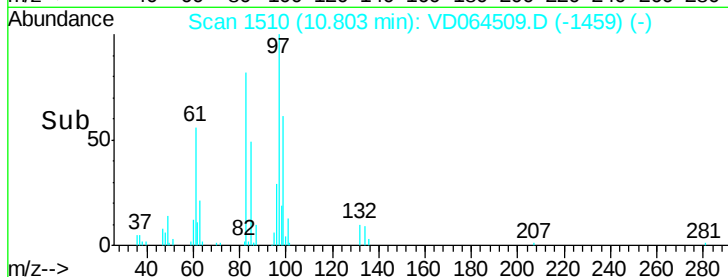
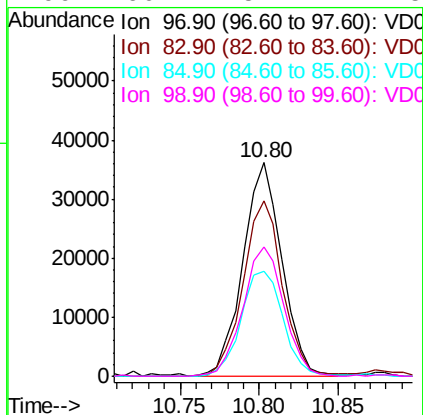
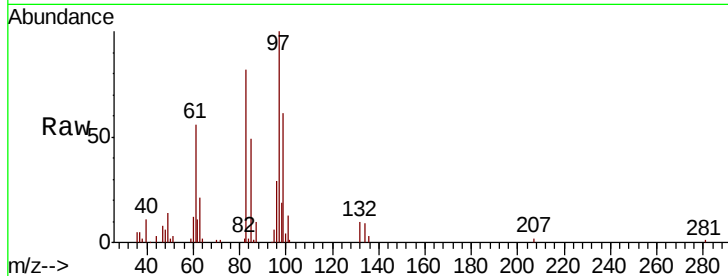




#55
 1,1,2-Trichloroethane
 Concen: 21.742 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

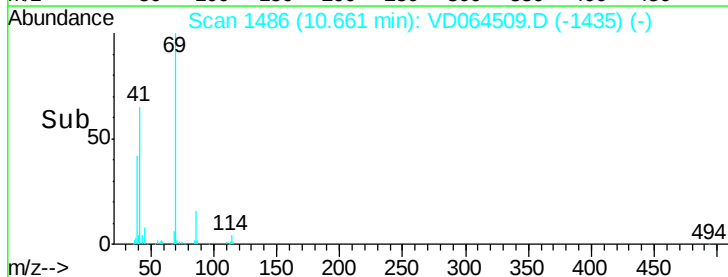
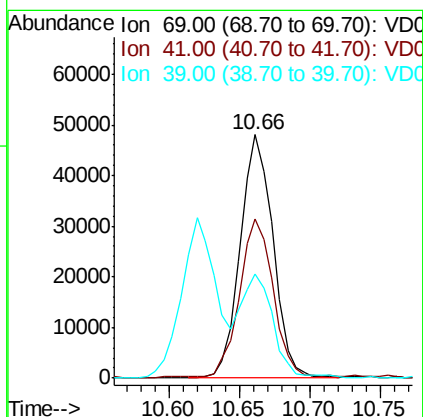
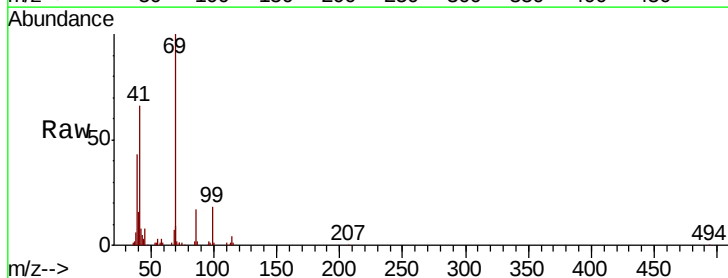
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

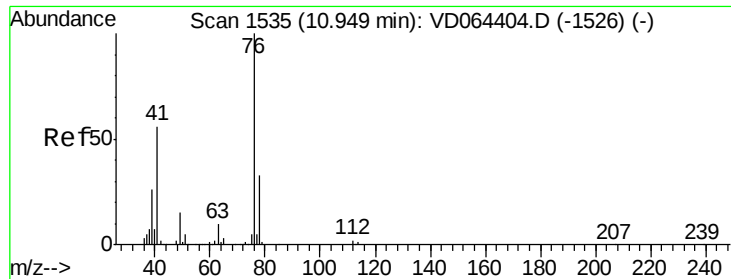
Tgt Ion:	97	Resp:	62077
Ion	Ratio	Lower	Upper
97	100		
83	82.3	67.8	101.8
85	49.2	43.7	65.5
99	60.7	51.7	77.5



#56
 Ethyl methacrylate
 Concen: 21.504 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:	69	Resp:	78310
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.0	82.4
39	42.9	33.0	49.6

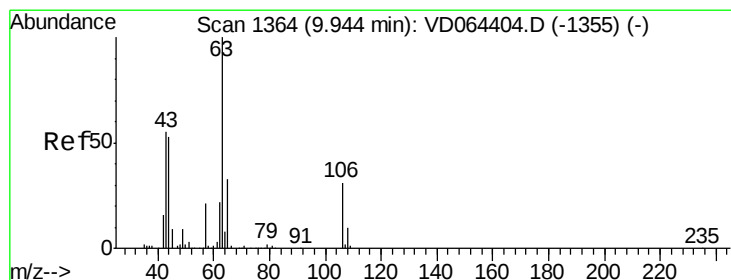
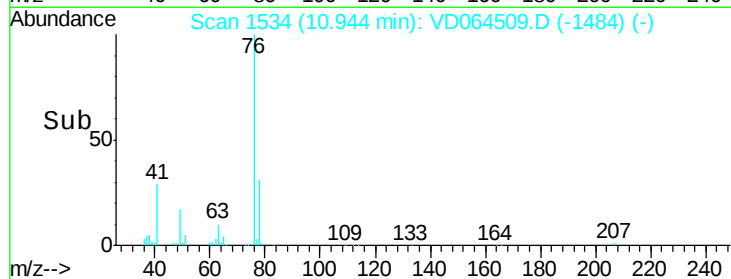
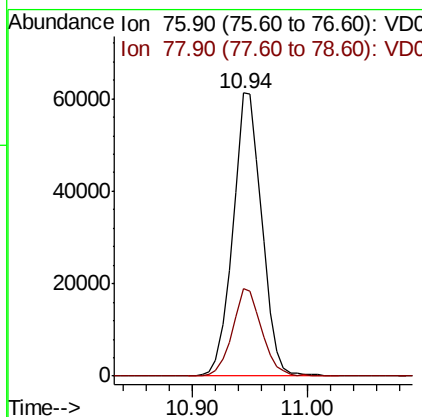
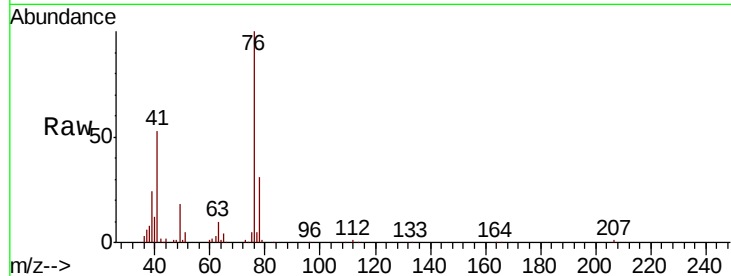




#57
 1,3-Dichloropropane
 Concen: 21.857 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

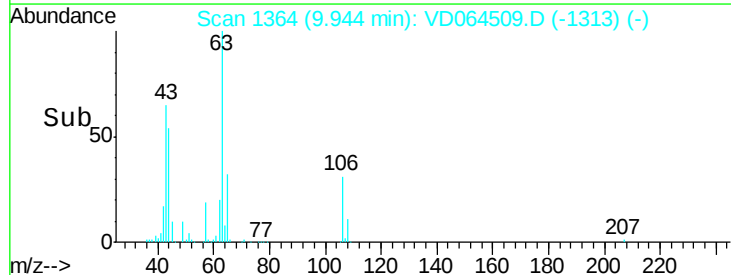
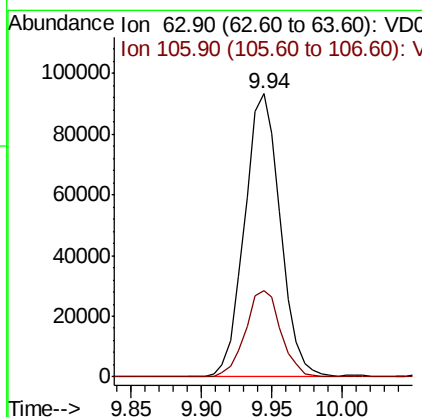
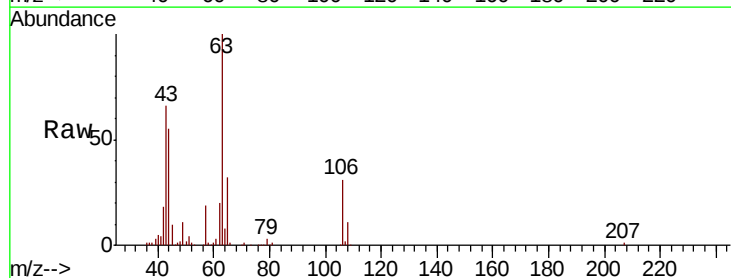
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

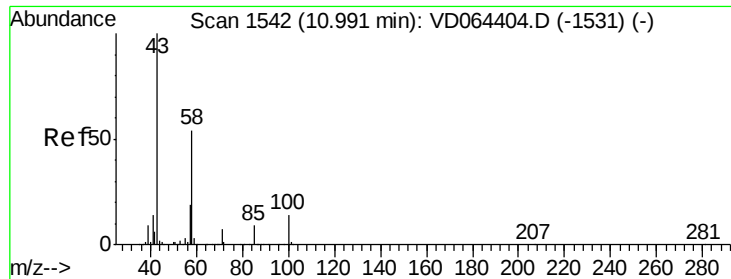
Tgt Ion: 76 Resp: 106233
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.441 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 63 Resp: 166134
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.2 36.4

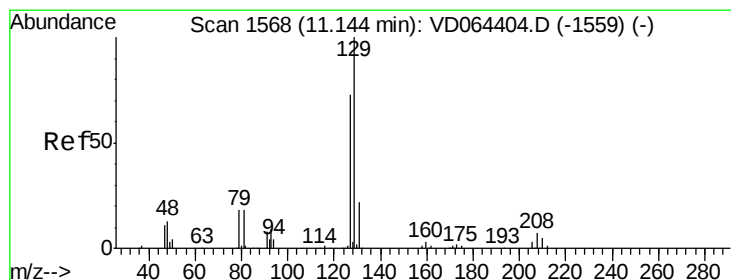
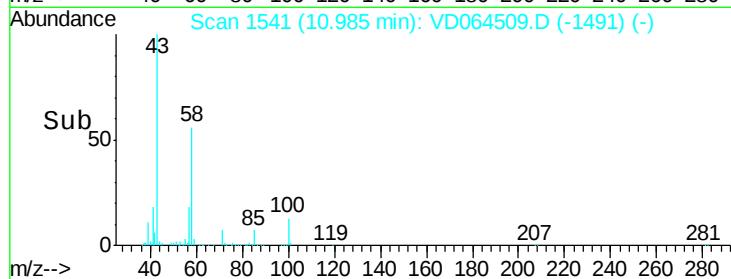
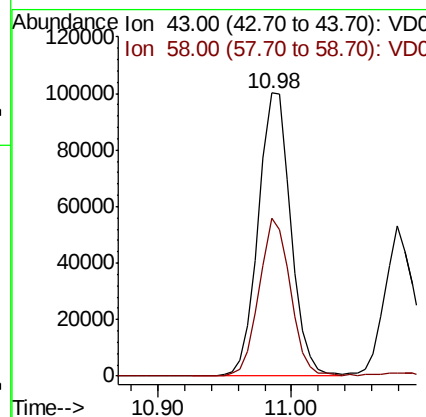
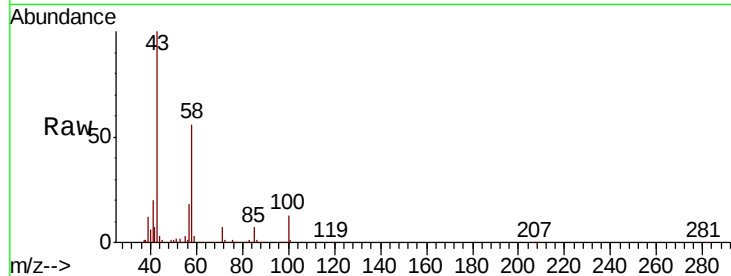




#59
2-Hexanone
Concen: 106.026 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

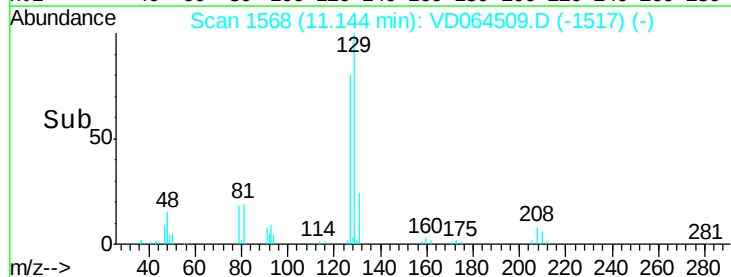
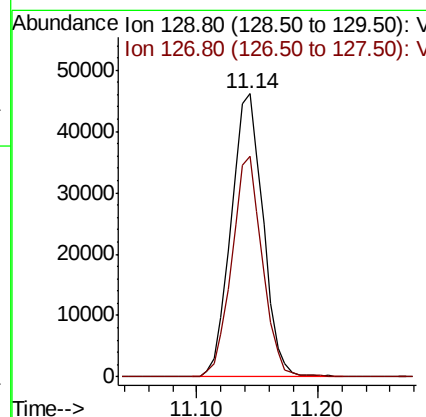
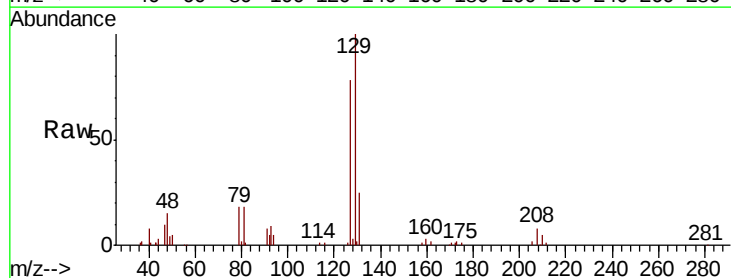
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

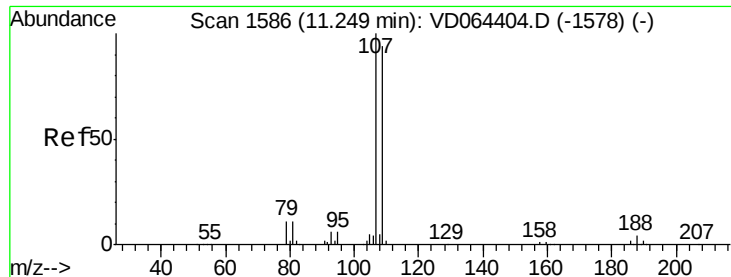
Tgt Ion: 43 Resp: 168918
Ion Ratio Lower Upper
43 100
58 53.8 26.3 78.8



#60
Dibromochloromethane
Concen: 21.942 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 129 Resp: 84941
Ion Ratio Lower Upper
129 100
127 74.5 38.1 114.3

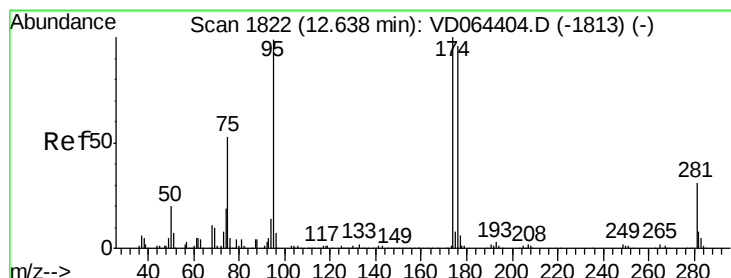
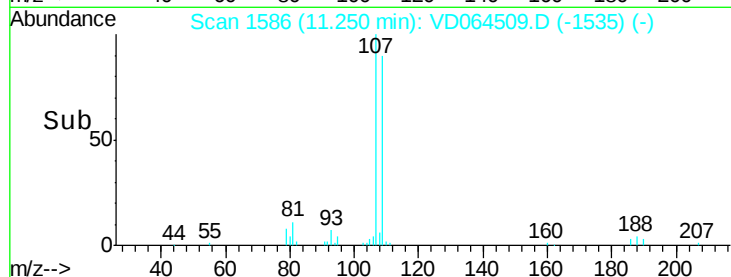
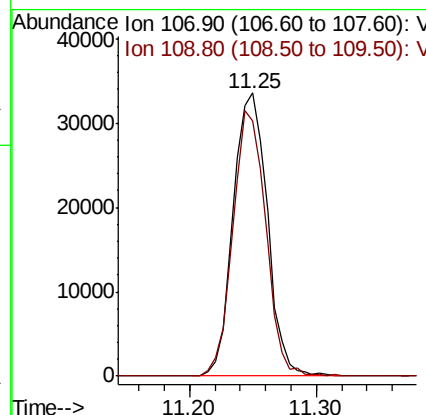
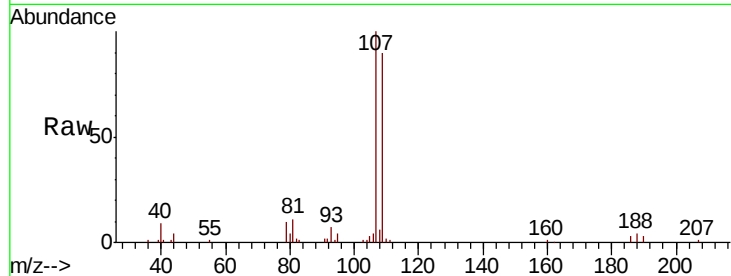




#61
 1,2-Dibromoethane
 Concen: 21.913 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

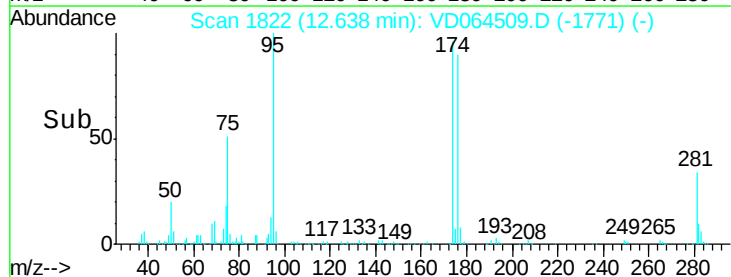
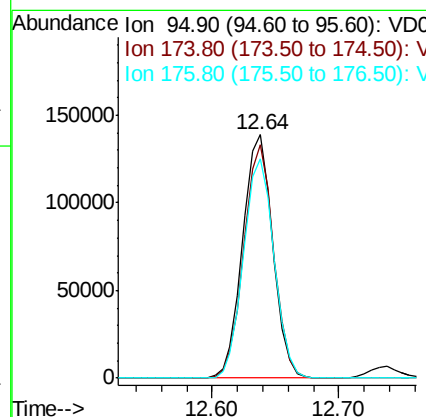
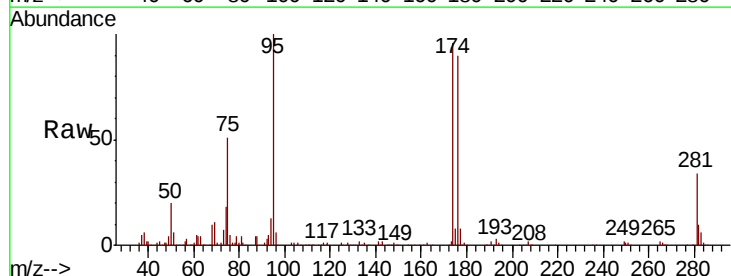
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

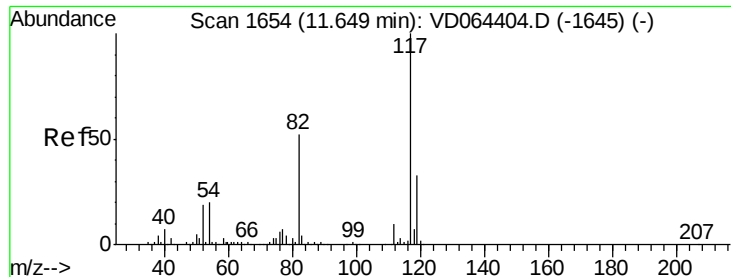
Tgt Ion: 107 Resp: 62469
 Ion Ratio Lower Upper
 107 100
 109 90.3 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 51.064 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 95 Resp: 229026
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 197.2
 176 91.3 0.0 189.6

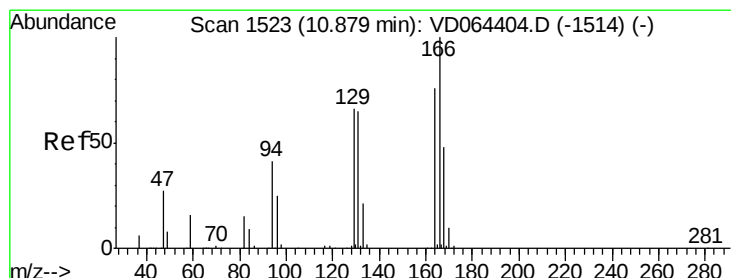
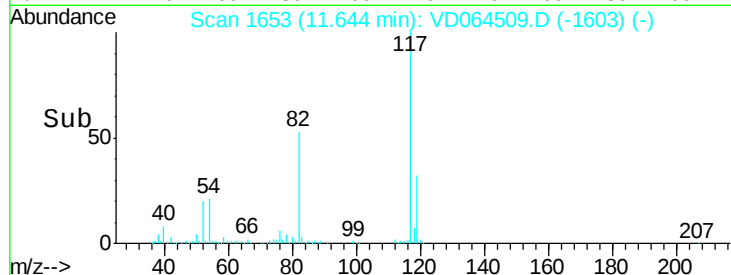
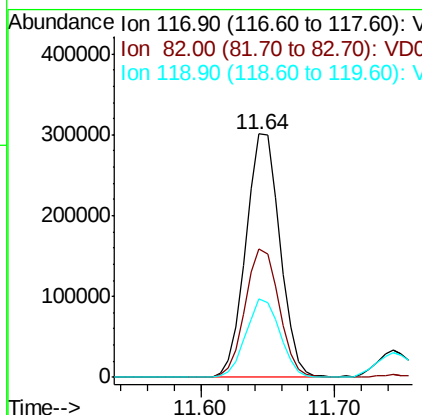
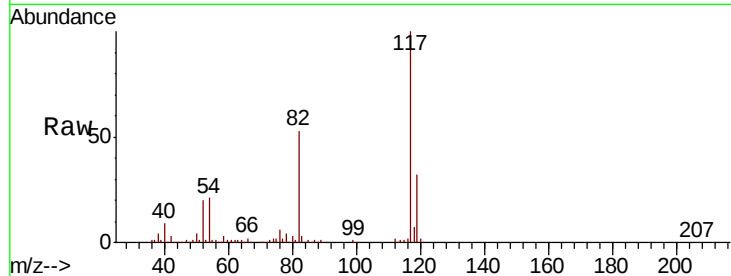




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

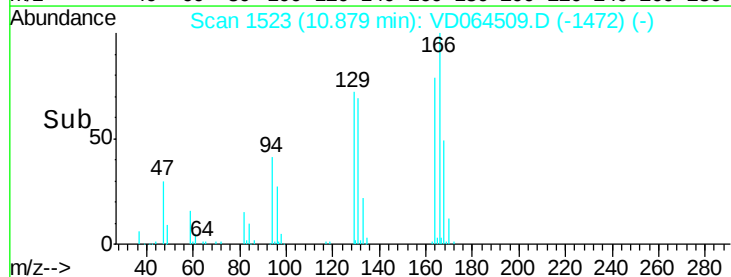
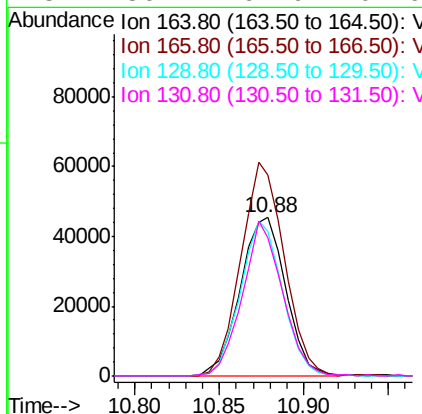
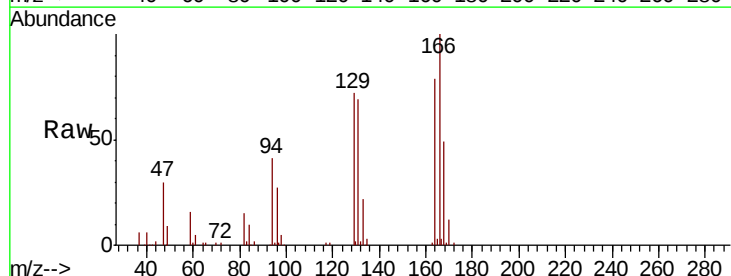
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion:117 Resp: 531801
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 20.988 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion:164 Resp: 85115
Ion Ratio Lower Upper
164 100
166 127.0 104.8 157.2
129 90.7 68.7 103.1
131 86.7 67.9 101.9

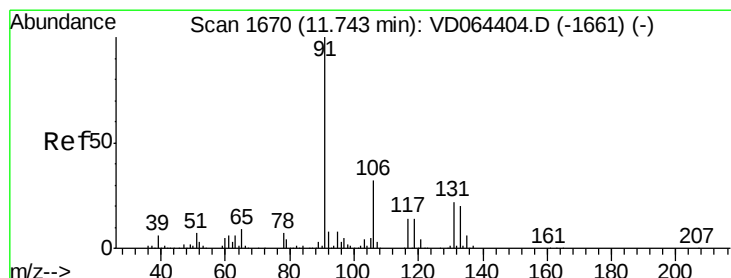
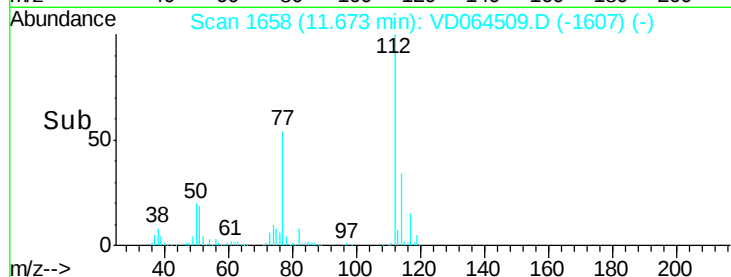
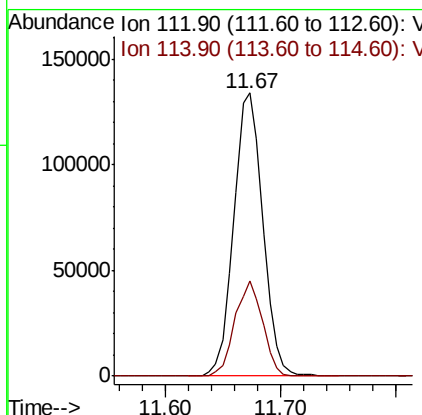
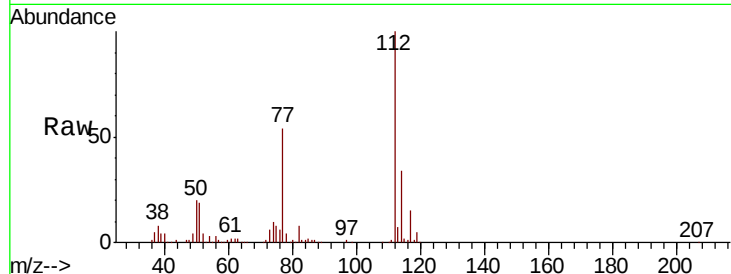




#65
Chlorobenzene
Concen: 21.032 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

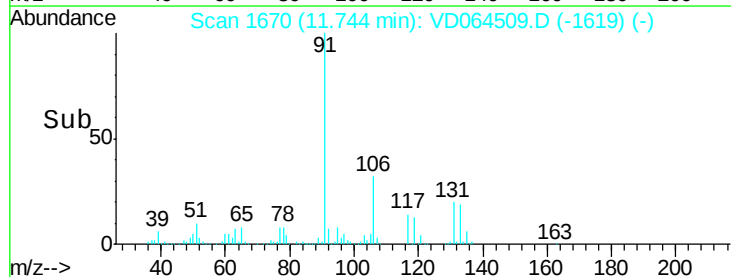
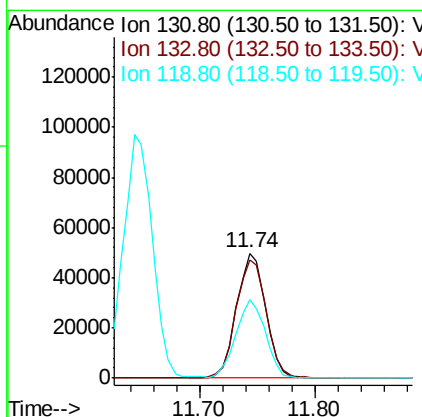
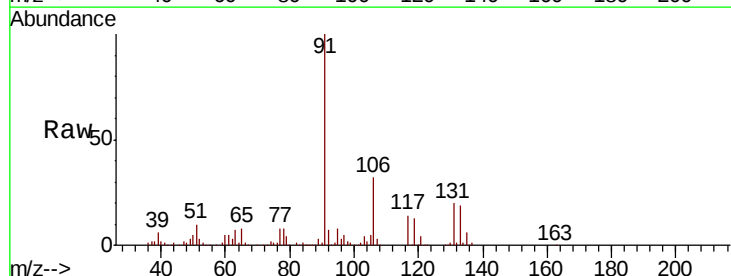
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

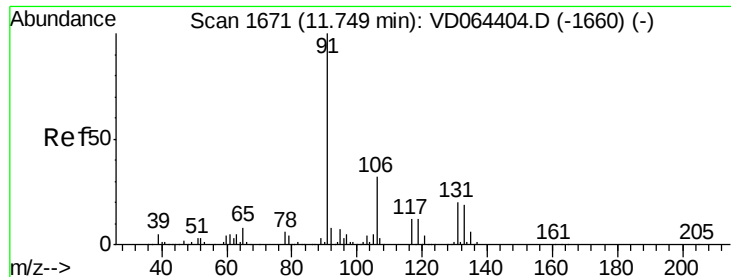
Tgt Ion:112 Resp: 233280
Ion Ratio Lower Upper
112 100
114 33.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.234 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion:131 Resp: 87186
Ion Ratio Lower Upper
131 100
133 97.9 48.3 144.9
119 63.7 31.9 95.9

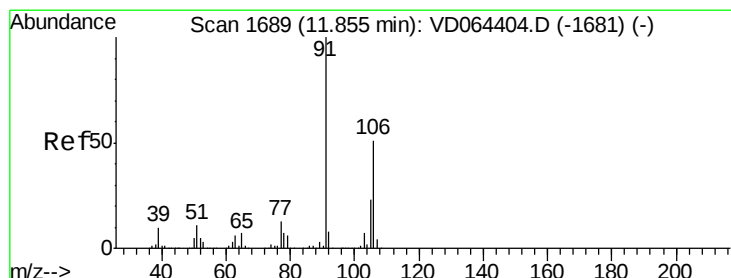
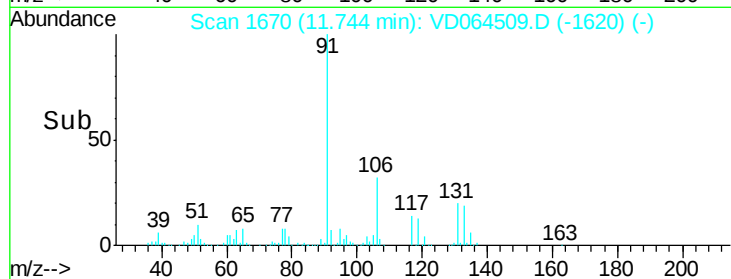
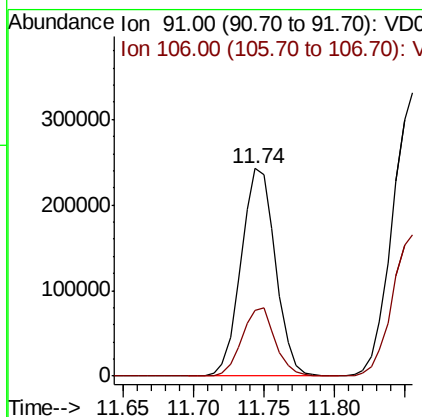
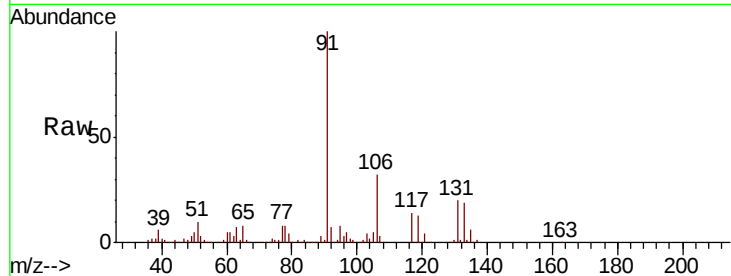




#67
Ethyl Benzene
Concen: 20.960 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

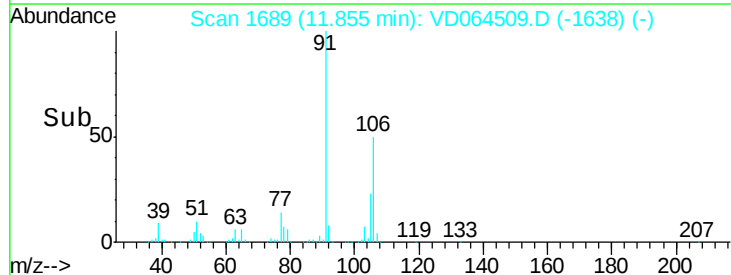
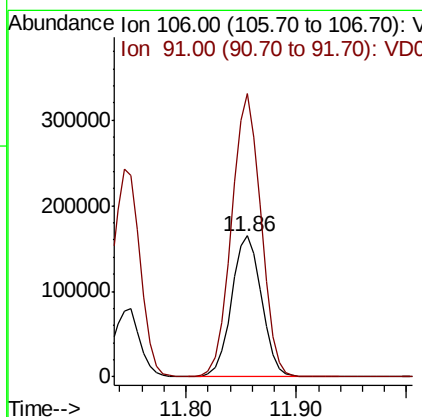
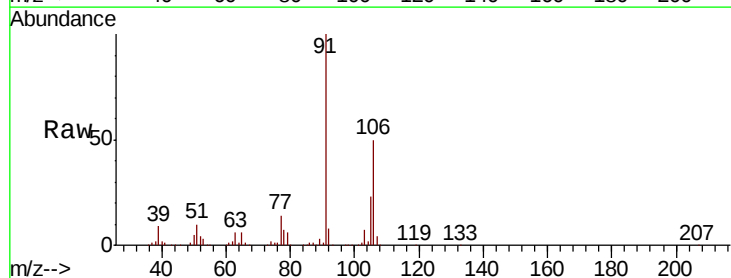
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

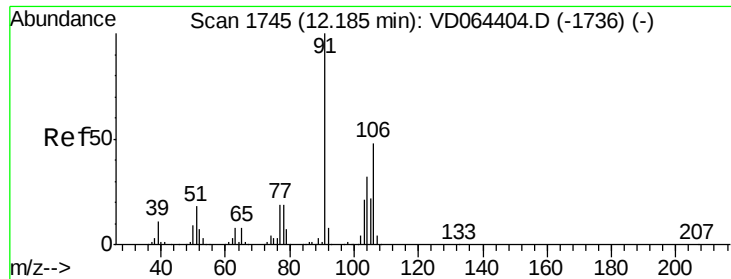
Tgt Ion: 91 Resp: 413644
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8



#68
m/p-Xylenes
Concen: 41.760 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 106 Resp: 314225
Ion Ratio Lower Upper
106 100
91 197.2 157.4 236.2

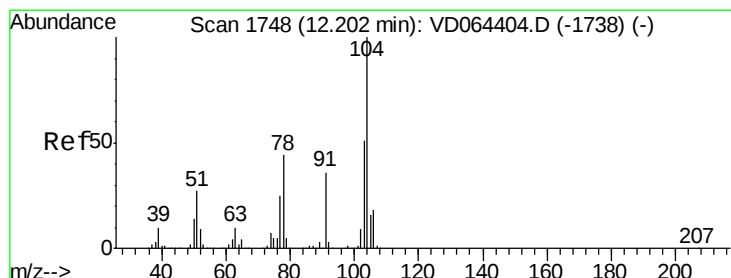
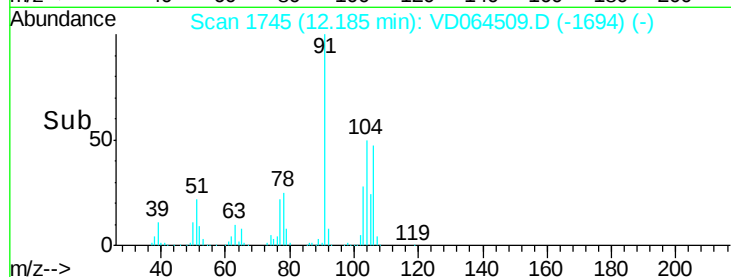
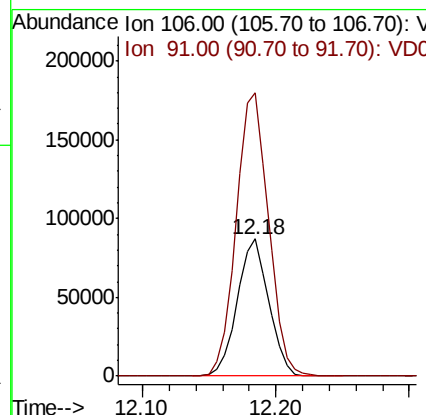
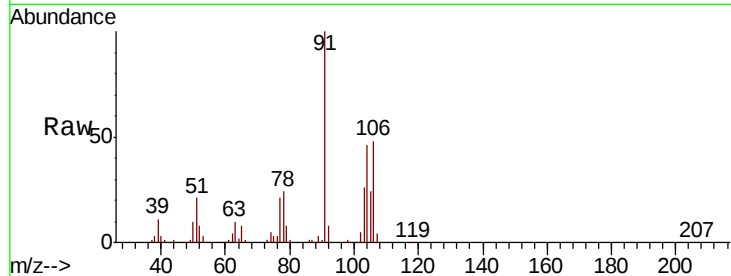




#69
o-Xylene
Concen: 20.510 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

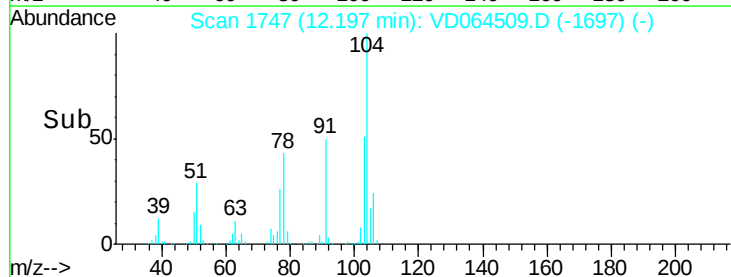
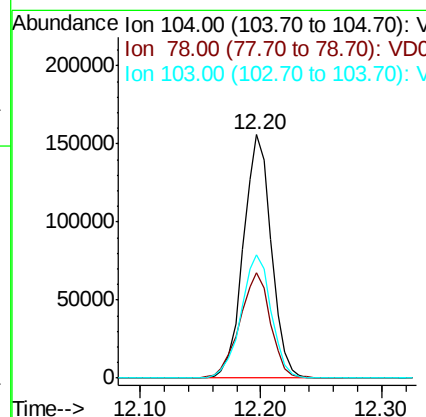
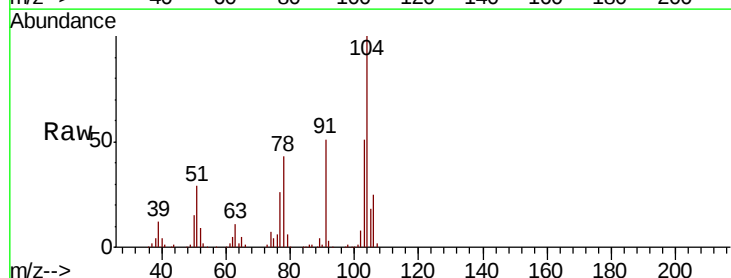
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

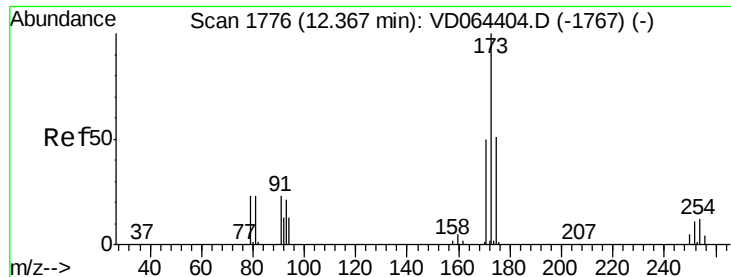
Tgt Ion:106 Resp: 142533
Ion Ratio Lower Upper
106 100
91 212.2 103.8 311.4



#70
Styrene
Concen: 20.873 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion:104 Resp: 252074
Ion Ratio Lower Upper
104 100
78 47.4 38.8 58.2
103 54.7 44.2 66.4

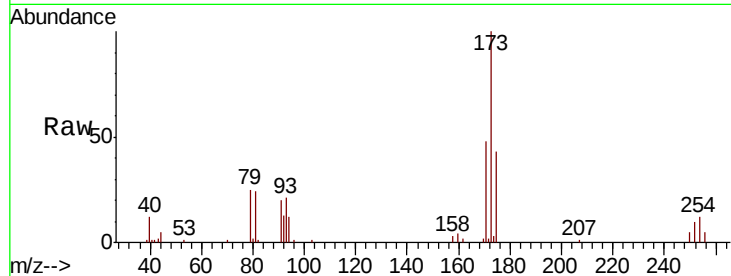




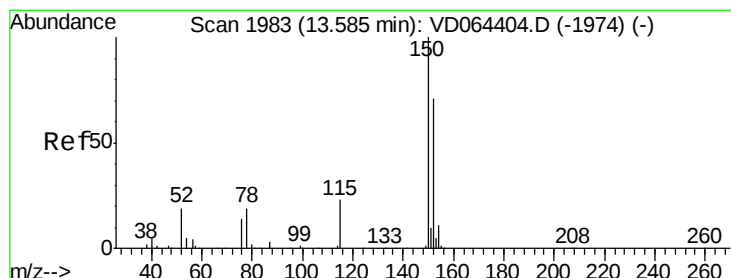
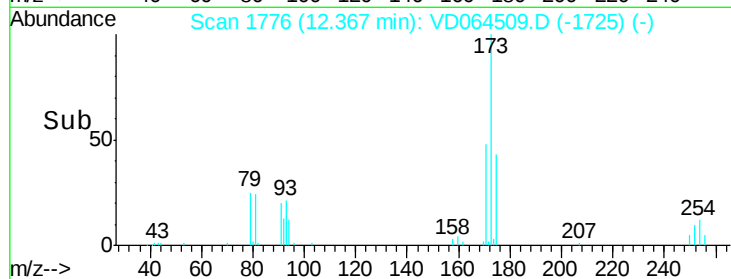
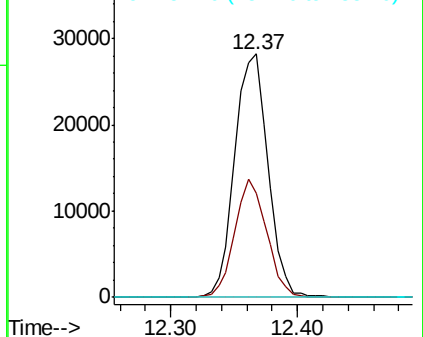
#71
Bromoform
Concen: 20.850 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion:173 Resp: 51218
Ion Ratio Lower Upper
173 100
175 46.4 25.3 75.8
254 0.0 0.0 0.0

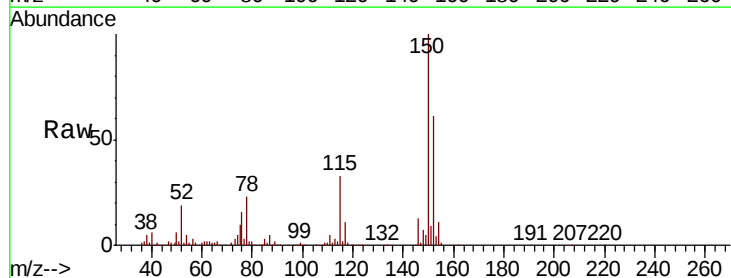


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

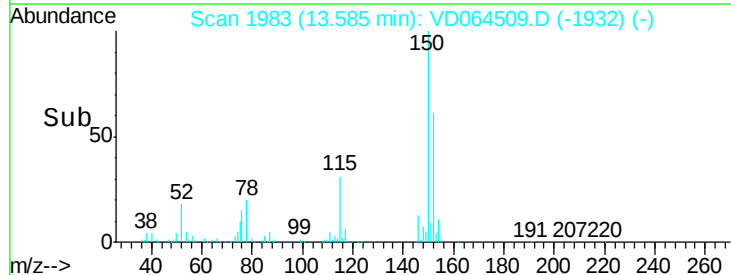
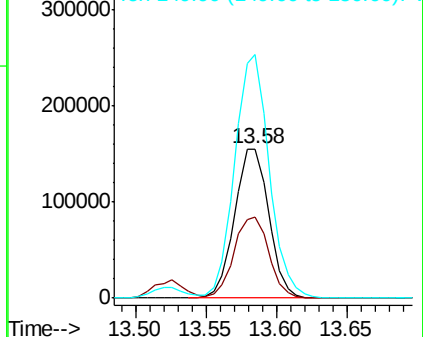


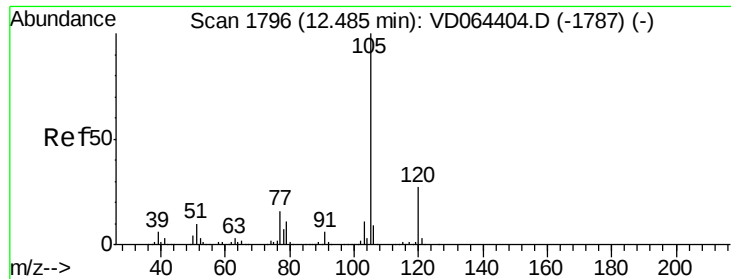
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion:152 Resp: 263386
Ion Ratio Lower Upper
152 100
115 55.0 26.7 80.1
150 164.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.874 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

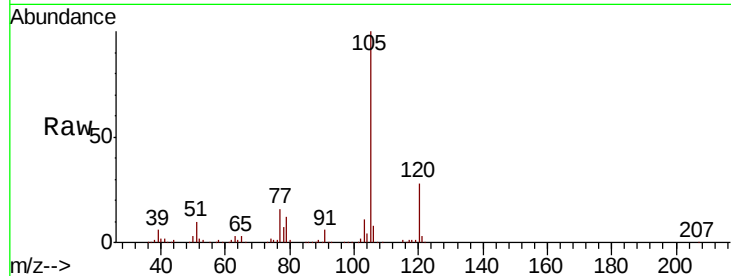
VD1213SBS01

Tgt Ion: 105 Resp: 395422

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

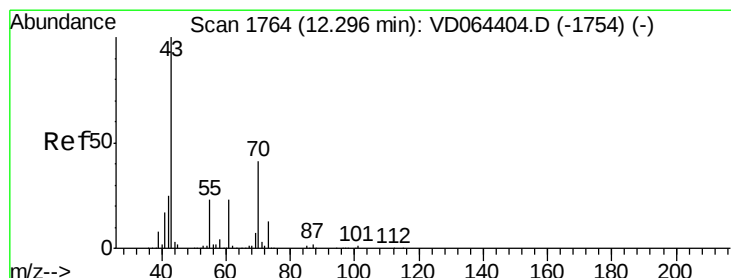
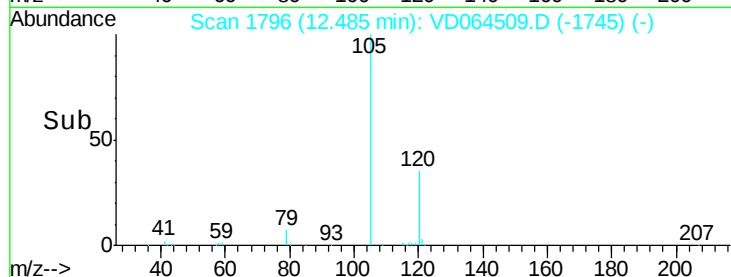
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.493 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 88106

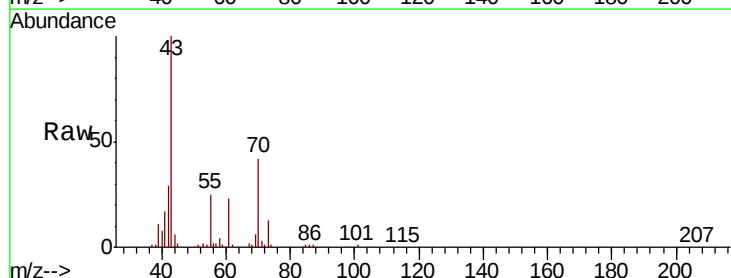
Ion Ratio Lower Upper

43 100

70 42.4 33.4 50.2

55 24.8 18.9 28.3

61 23.1 18.5 27.7



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

80000

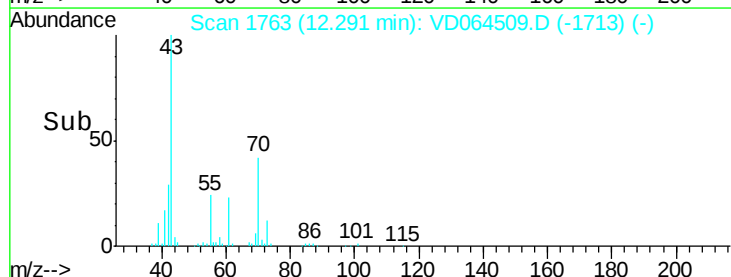
60000

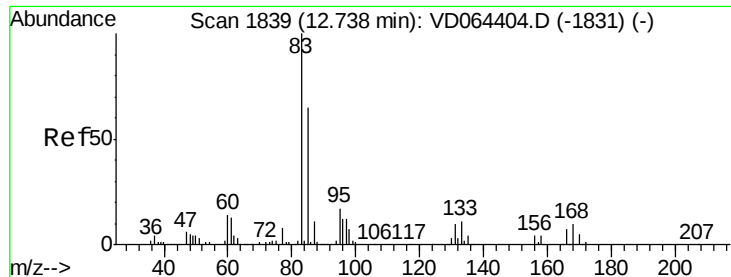
40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.086 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

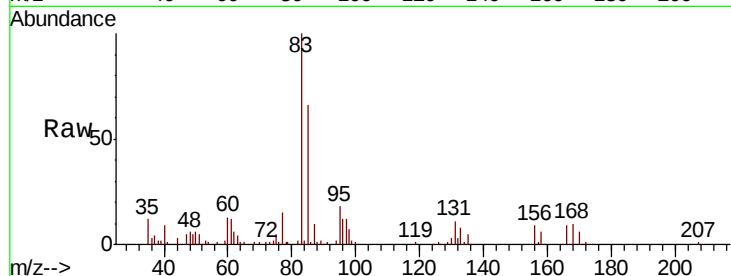
Tgt Ion: 83 Resp: 66053

Ion Ratio Lower Upper

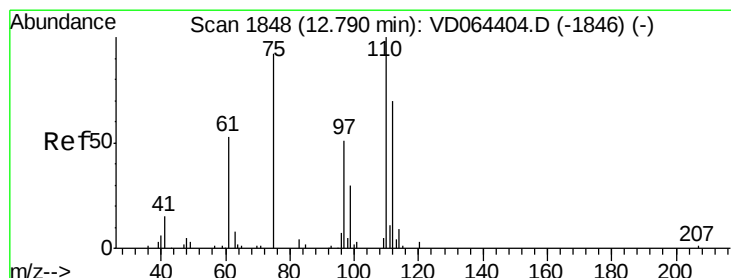
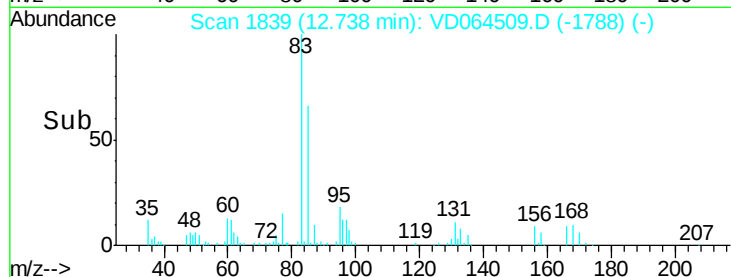
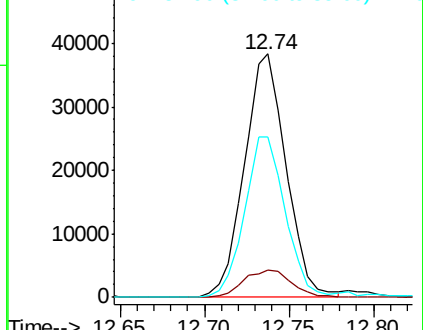
83 100

131 12.9 5.7 17.0

85 64.1 31.3 93.9



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: 40.232 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064509.D

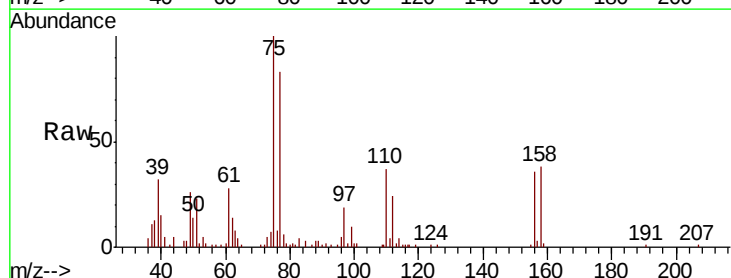
Acq: 13 Dec 2019 16:22

Tgt Ion: 75 Resp: 87143

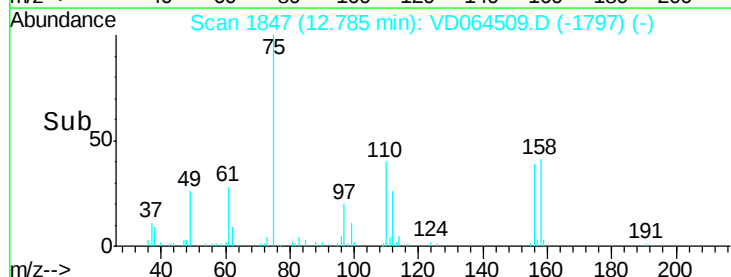
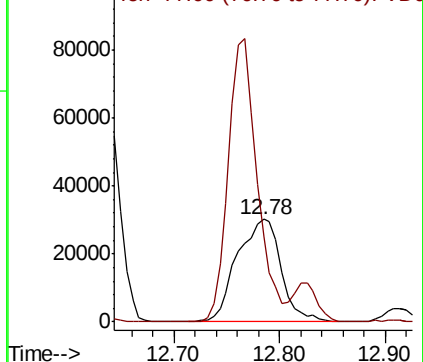
Ion Ratio Lower Upper

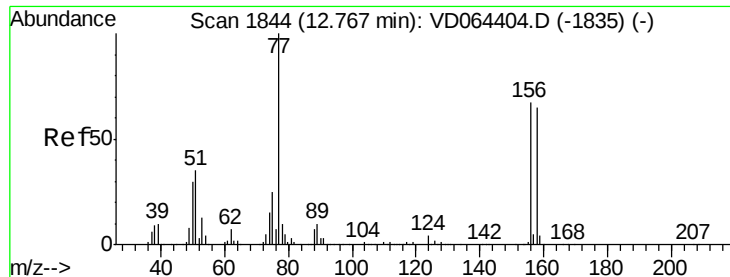
75 100

77 180.4 0.0 0.0#



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





#77

Bromobenzene

Concen: 21.003 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

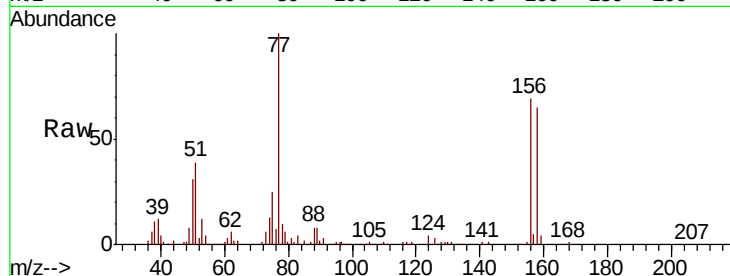
Tgt Ion:156 Resp: 98252

Ion Ratio Lower Upper

156 100

77 160.0 80.0 240.2

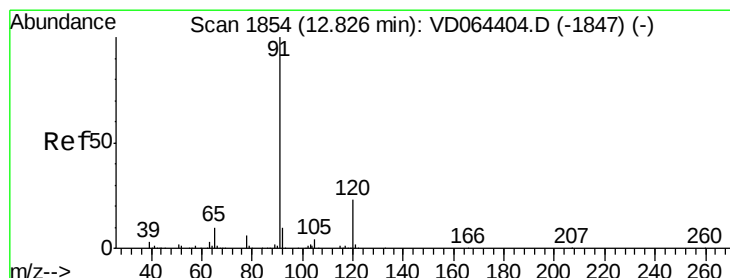
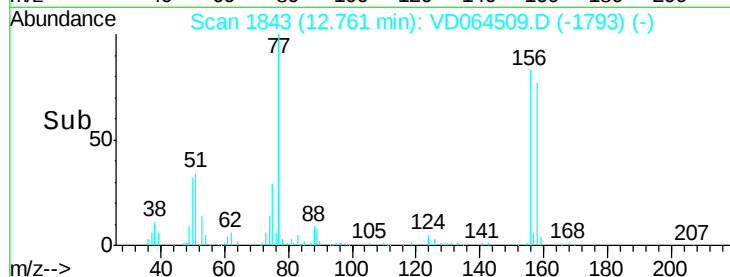
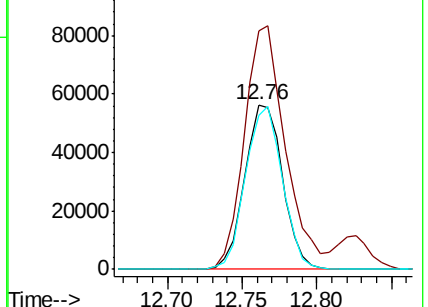
158 96.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.856 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064509.D

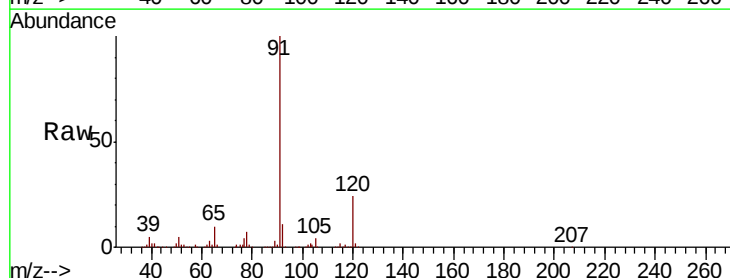
Acq: 13 Dec 2019 16:22

Tgt Ion: 91 Resp: 455831

Ion Ratio Lower Upper

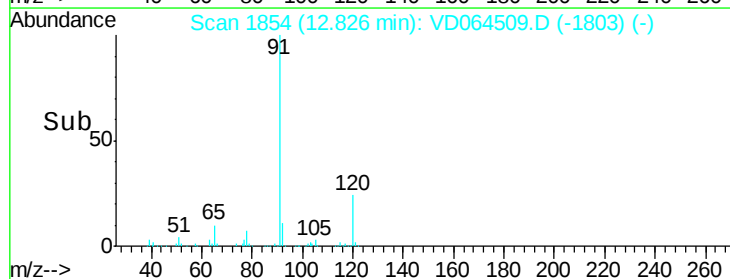
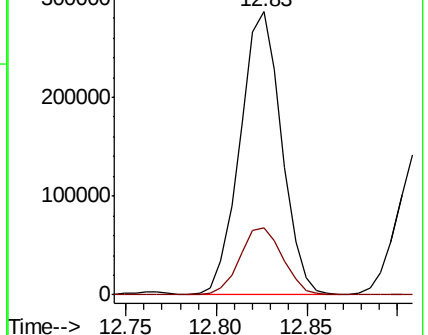
91 100

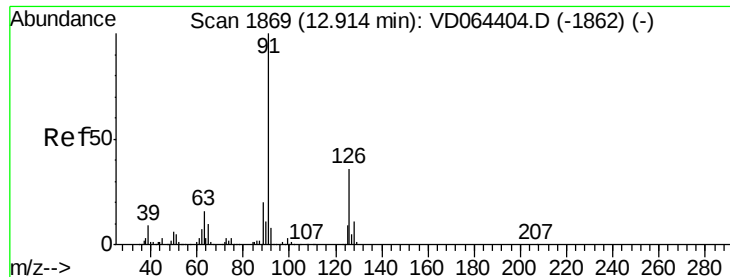
120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

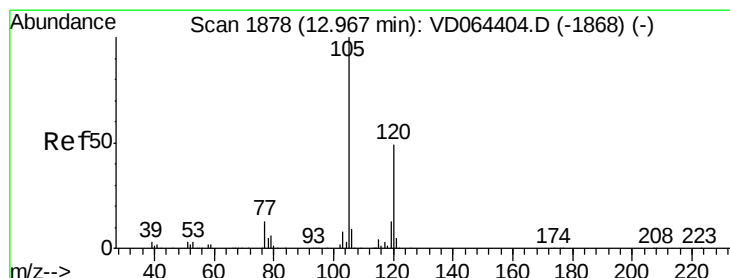
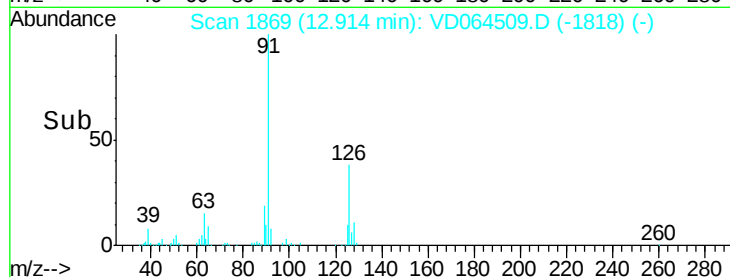
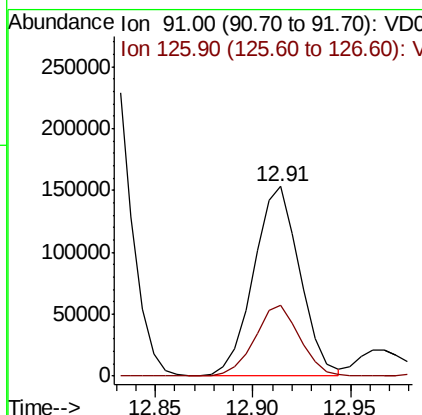
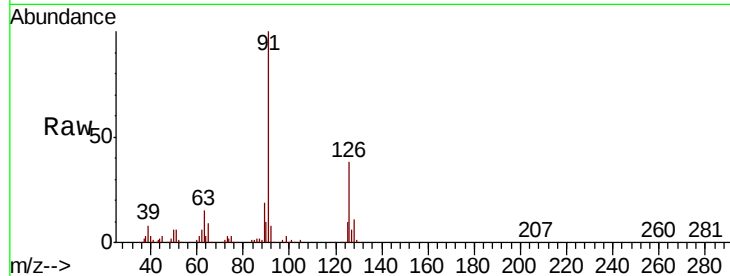




#79
 2-Chlorotoluene
 Concen: 20.868 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

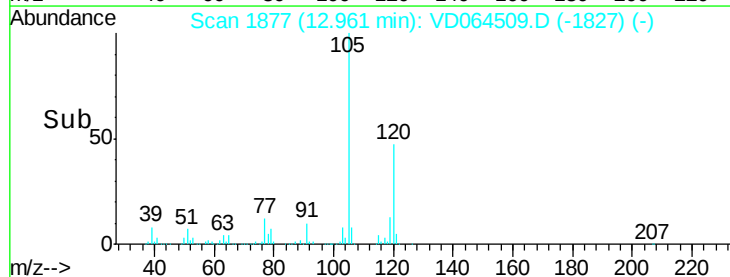
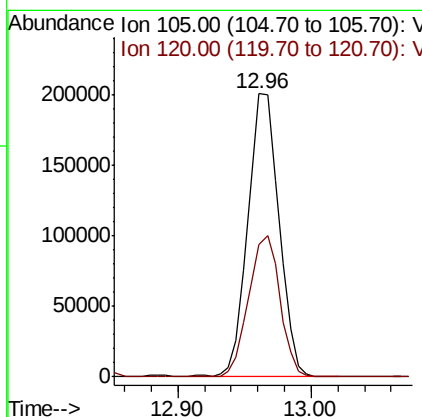
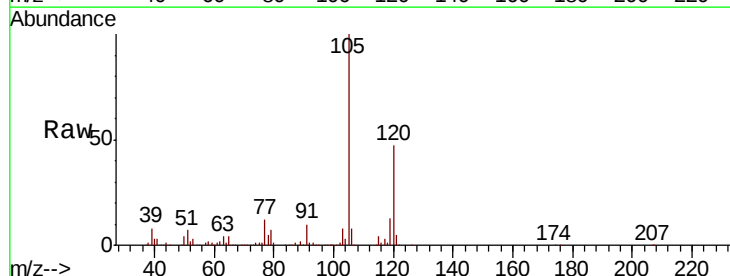
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

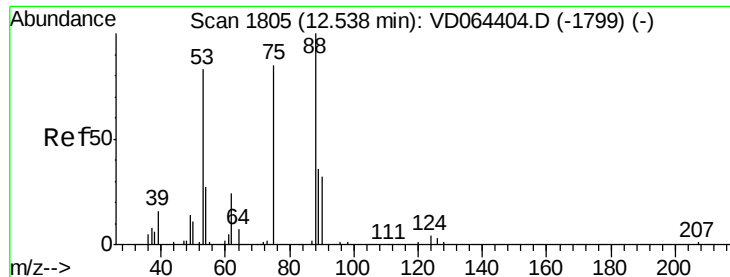
Tgt Ion: 91 Resp: 250969
 Ion Ratio Lower Upper
 91 100
 126 36.4 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.934 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 105 Resp: 324063
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 21.399 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

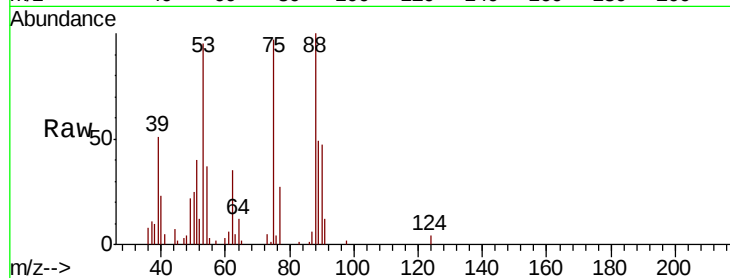
Tgt Ion: 75 Resp: 21256

Ion Ratio Lower Upper

75 100

53 100.3 81.0 121.6

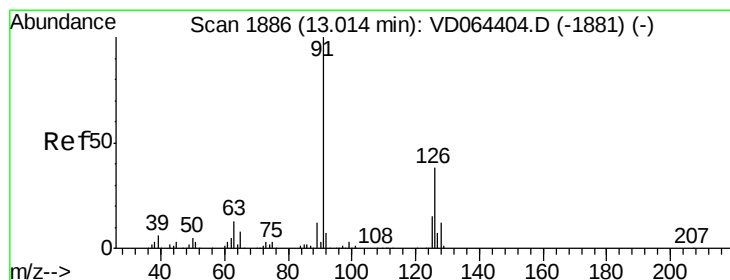
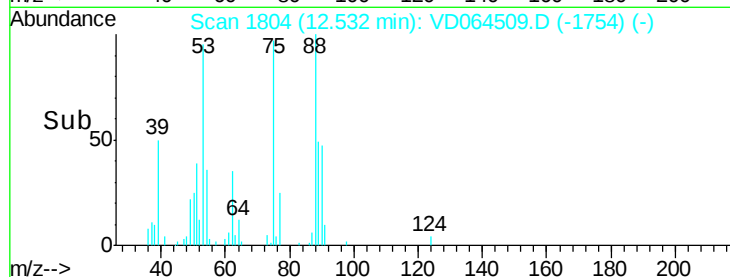
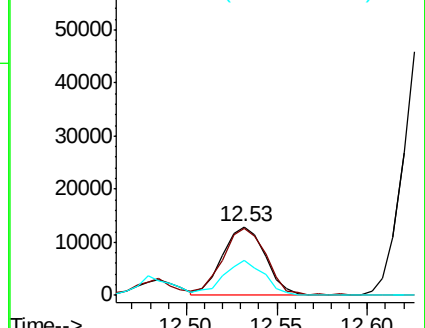
89 47.8 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.810 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064509.D

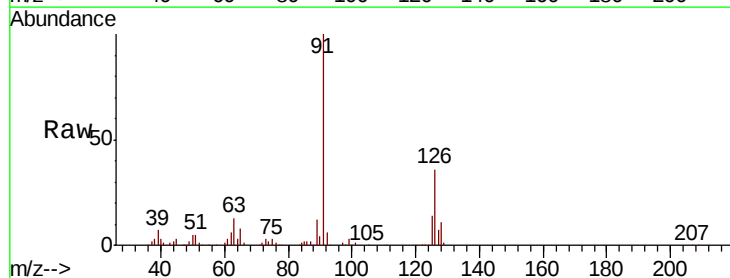
Acq: 13 Dec 2019 16:22

Tgt Ion: 91 Resp: 264980

Ion Ratio Lower Upper

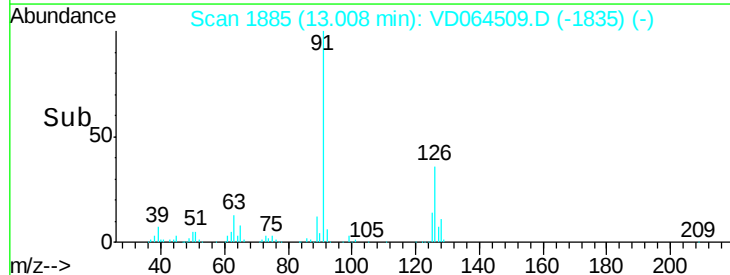
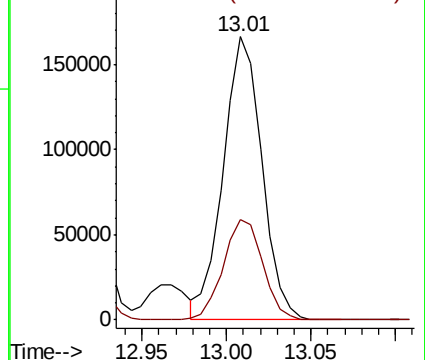
91 100

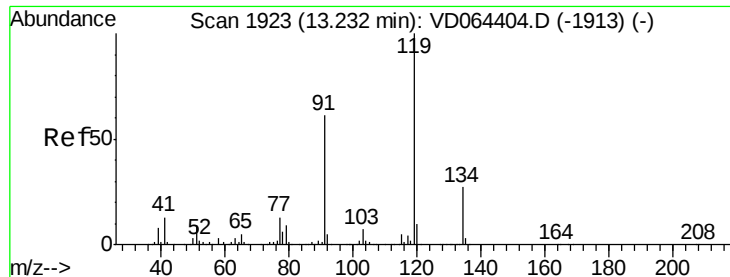
126 36.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

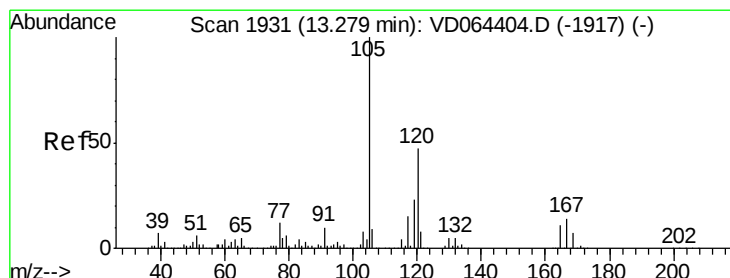
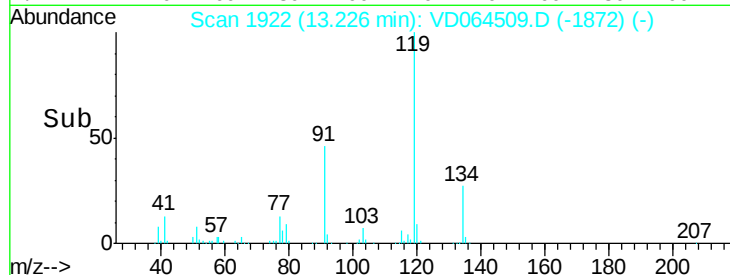
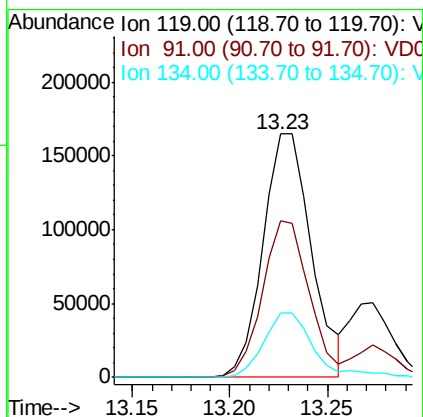
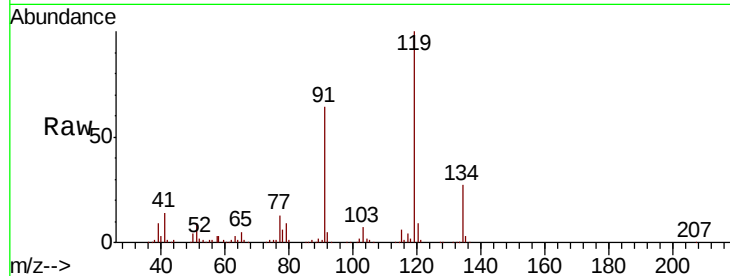




#83
 tert-Butylbenzene
 Concen: 21.087 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

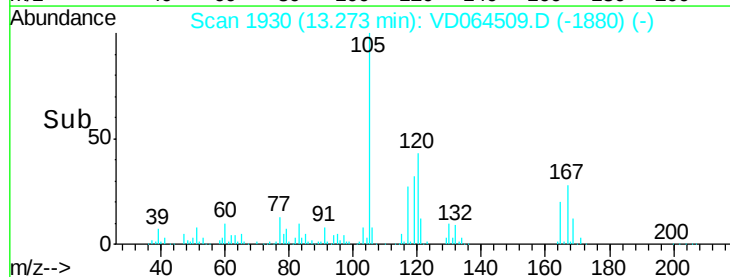
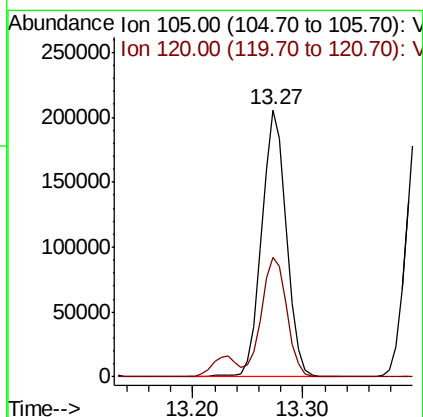
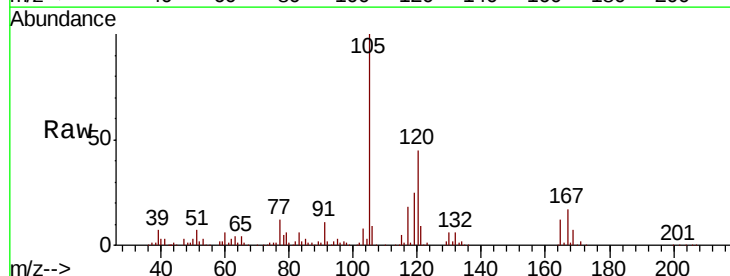
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

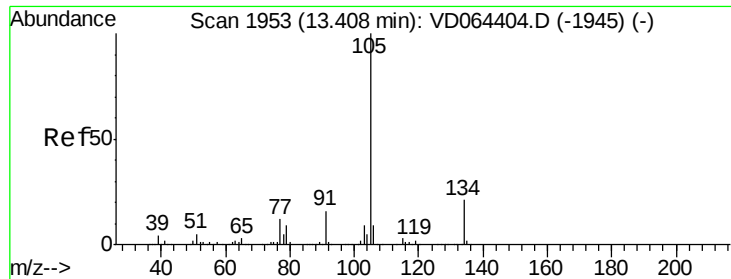
Tgt Ion:119 Resp: 283793
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.2 93.6
 134 27.7 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.643 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:105 Resp: 321323
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.6 70.8

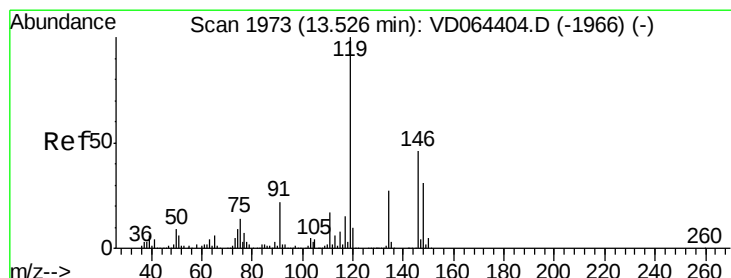
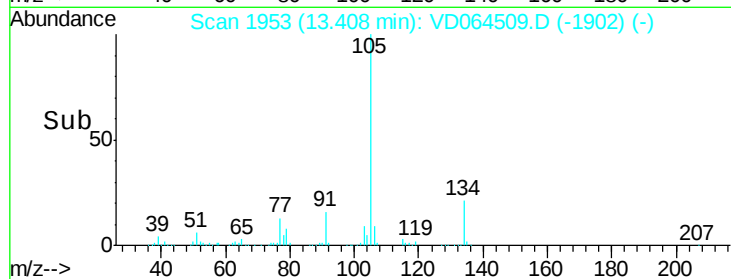
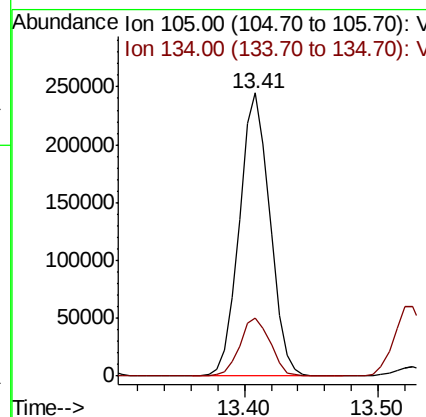
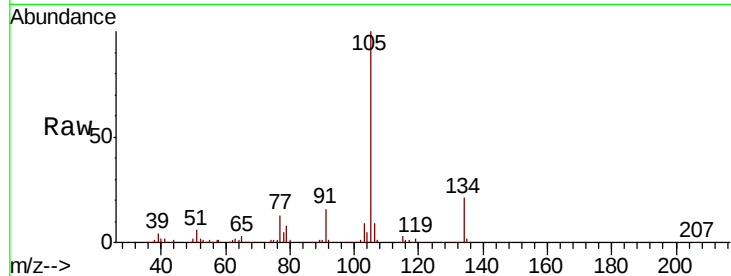




#85
 sec-Butylbenzene
 Concen: 20.972 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

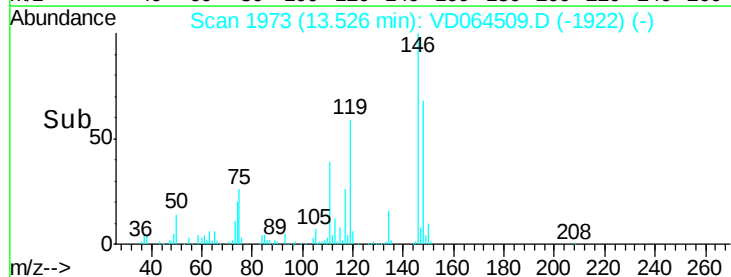
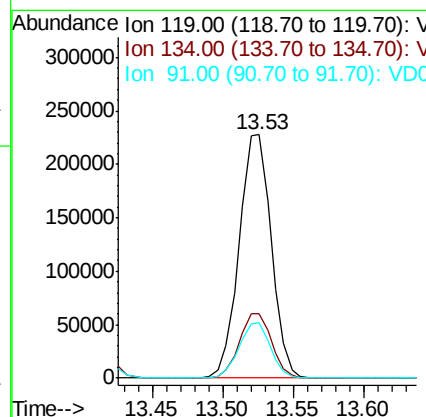
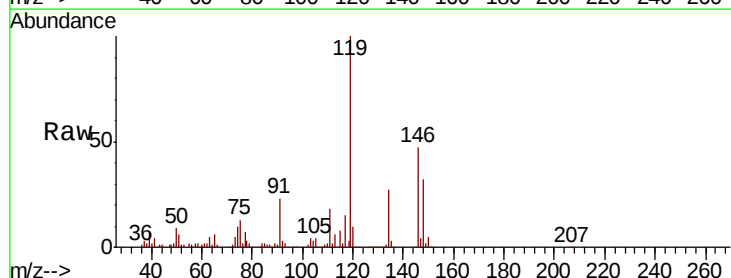
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

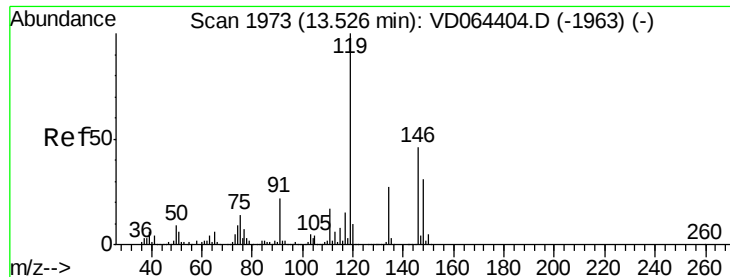
Tgt Ion:105 Resp: 387366
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.742 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:119 Resp: 361698
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.4
 91 22.5 11.2 33.5

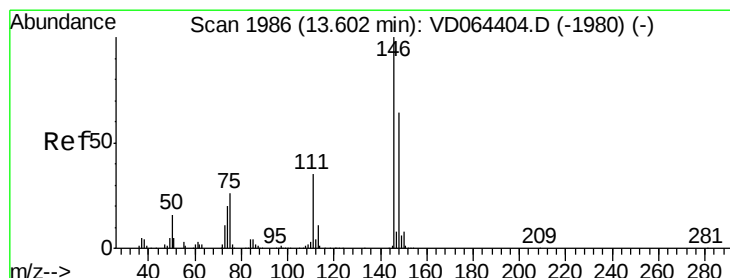
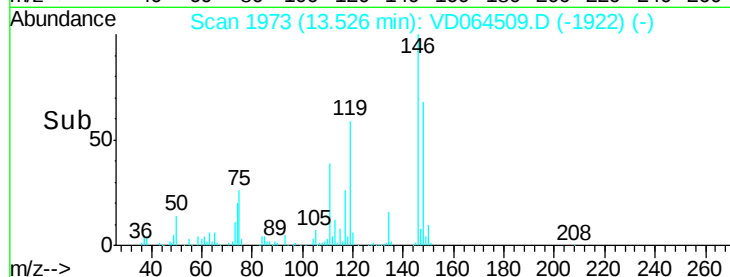
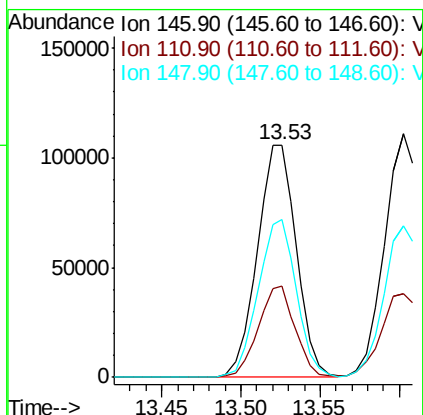
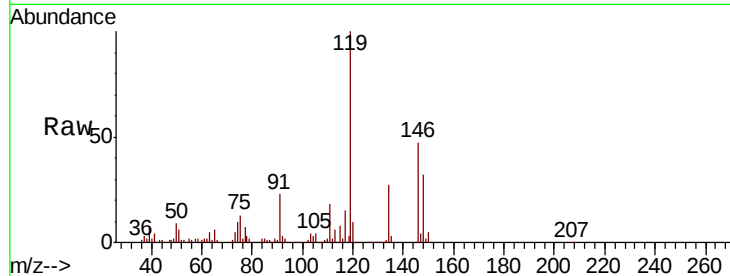




#87
 1,3-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

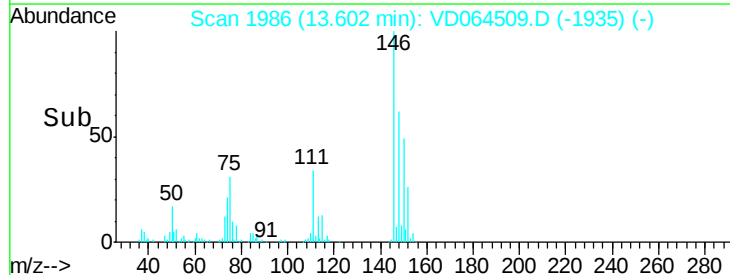
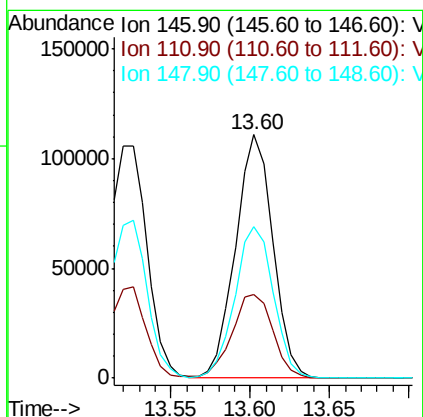
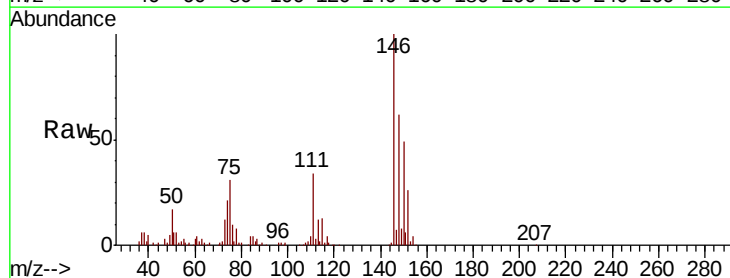
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

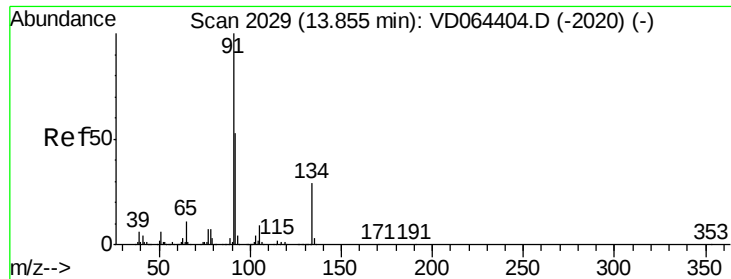
Tgt Ion:146 Resp: 181233
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 66.6 32.6 97.8



#88
 1,4-Dichlorobenzene
 Concen: 20.767 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:146 Resp: 182036
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.2 54.6
 148 64.1 31.8 95.4

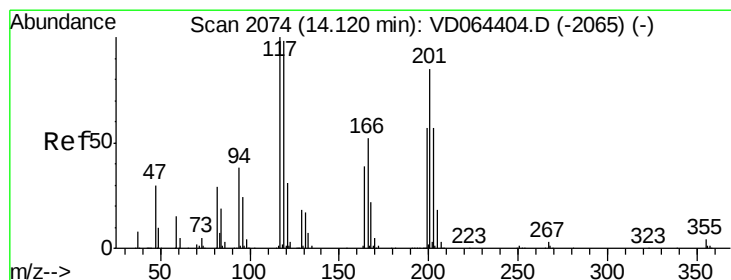
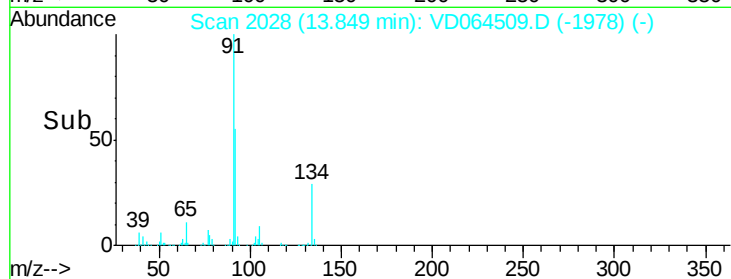
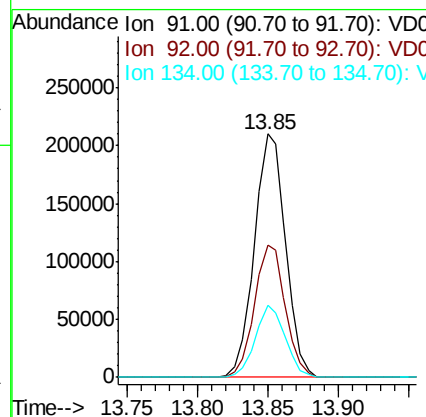
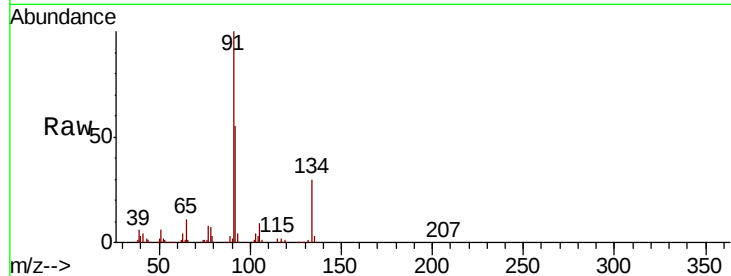




#89
n-Butylbenzene
Concen: 20.574 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

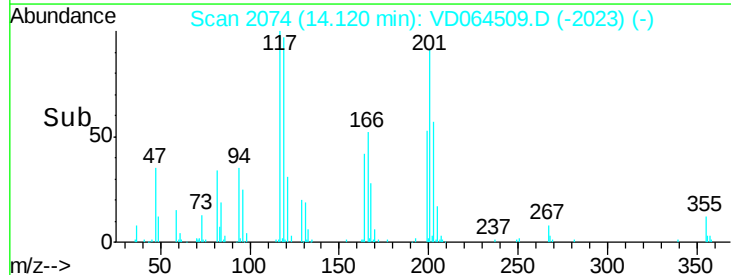
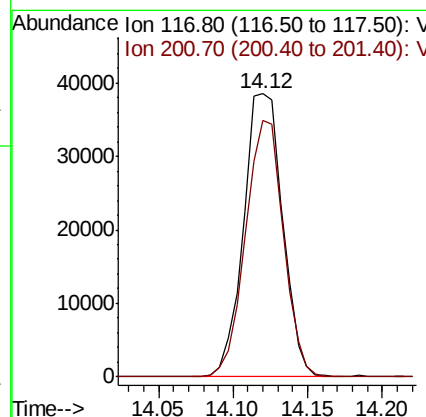
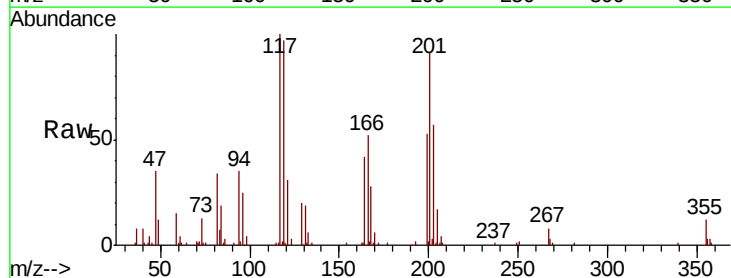
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

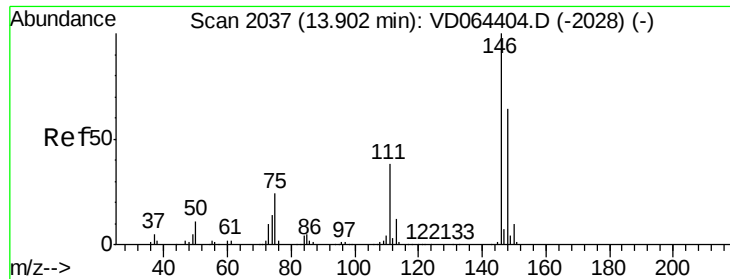
Tgt Ion: 91 Resp: 325811
Ion Ratio Lower Upper
91 100
92 53.8 26.5 79.4
134 28.5 13.9 41.7



#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 117 Resp: 69864
Ion Ratio Lower Upper
117 100
201 87.6 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 20.592 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBSD01

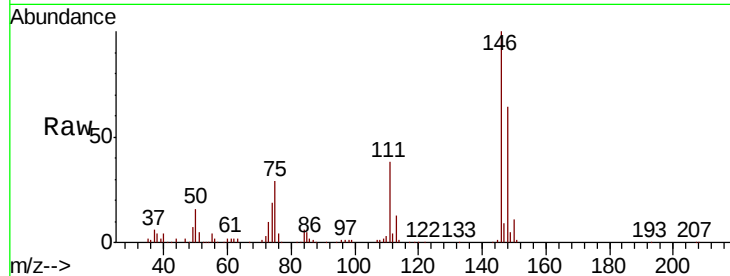
Tgt Ion:146 Resp: 156246

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.3

148 64.1 32.0 96.0

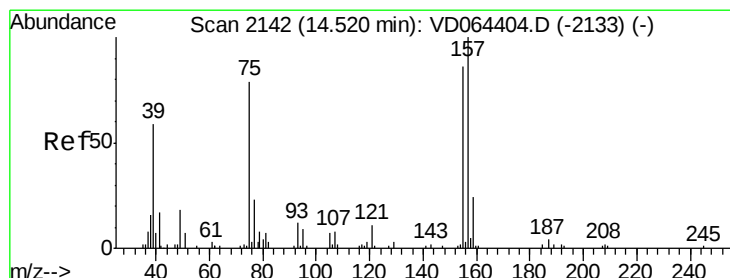
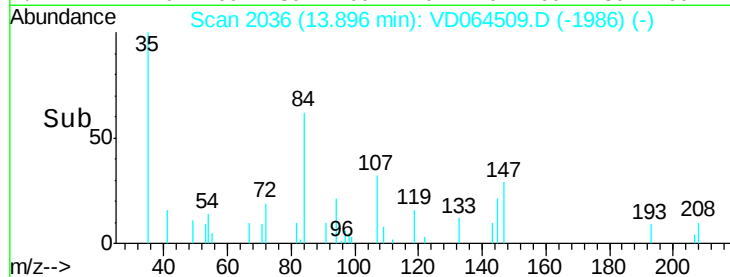
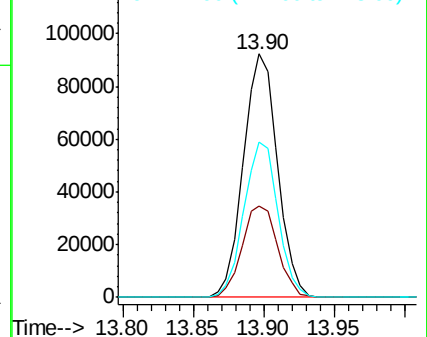


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.972 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD064509.D

Acq: 13 Dec 2019 16:22

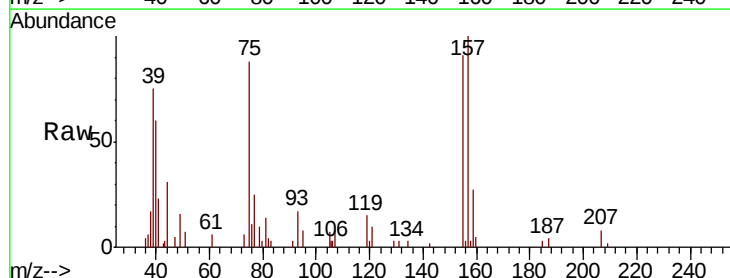
Tgt Ion: 75 Resp: 10153

Ion Ratio Lower Upper

75 100

155 110.3 51.9 155.7

157 130.6 63.2 189.8

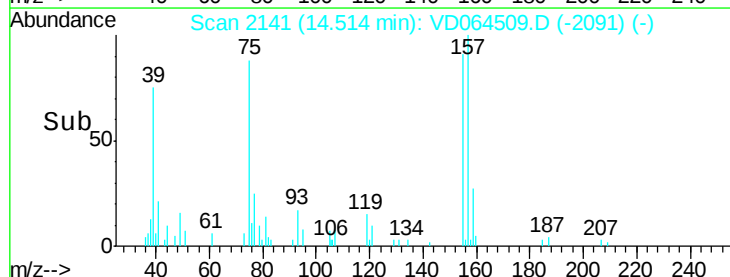
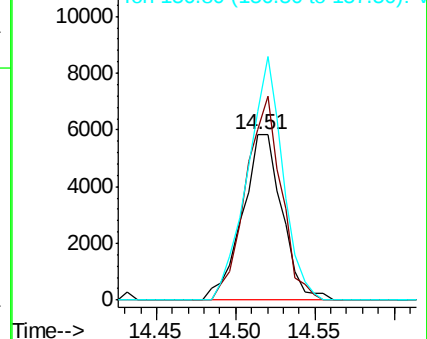


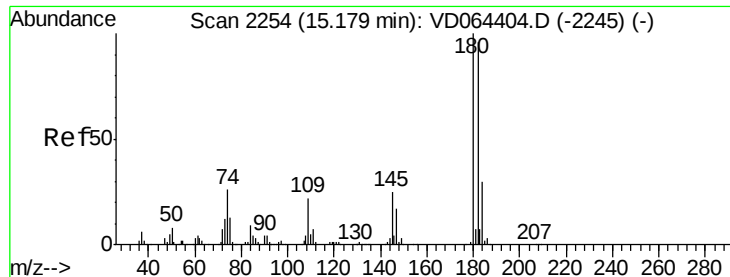
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

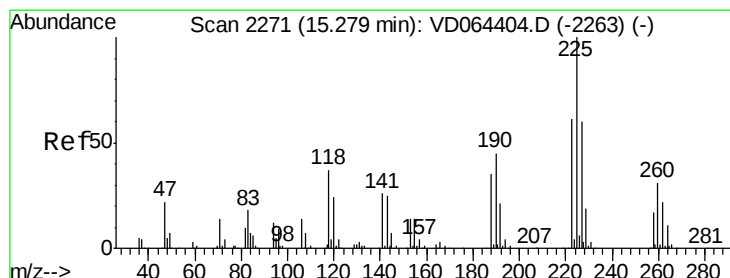
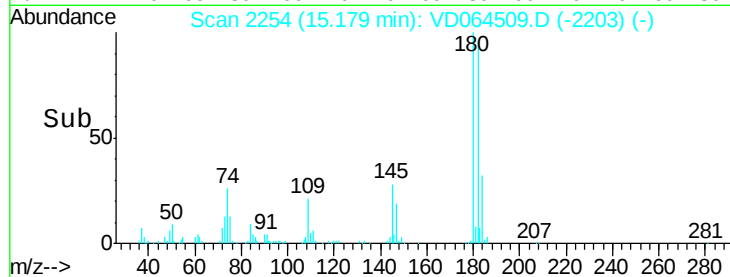
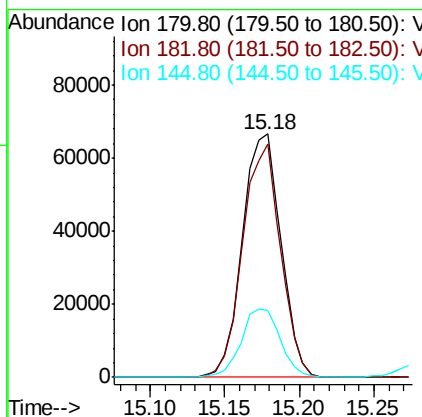
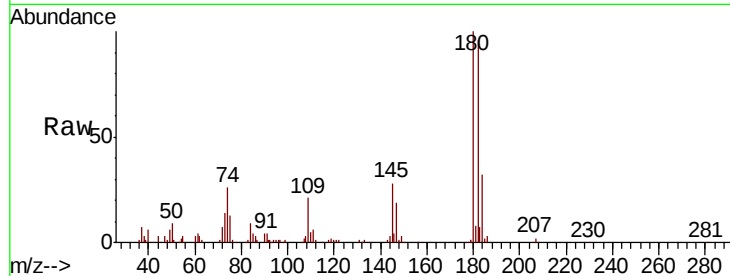




#93
 1,2,4-Trichlorobenzene
 Concen: 20.493 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

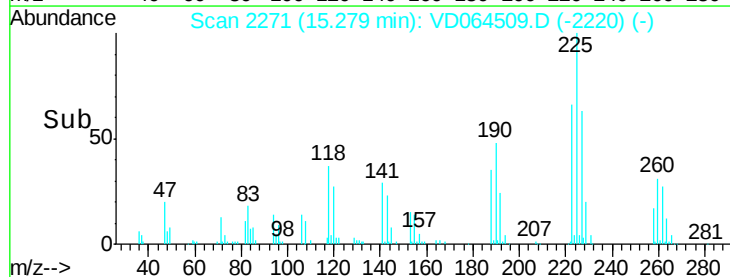
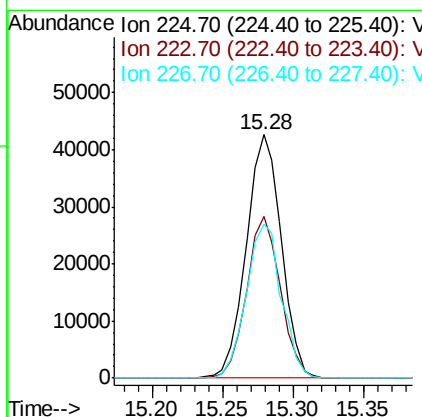
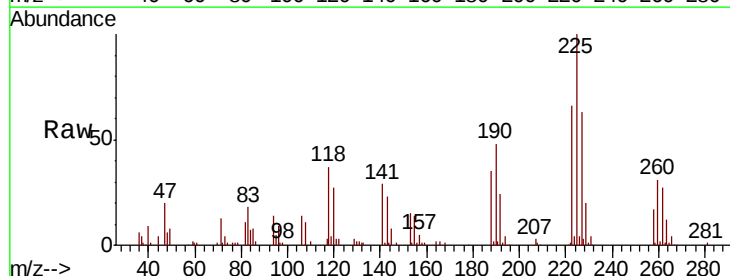
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBSD01

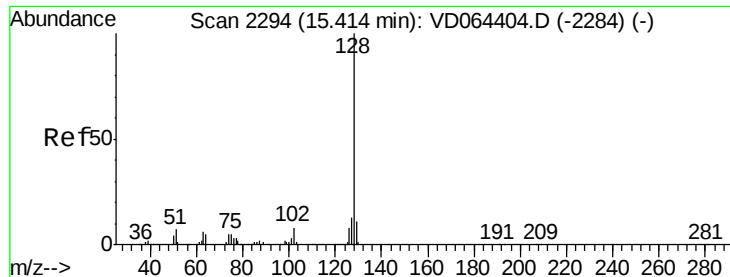
Tgt Ion:180 Resp: 119084
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.4 142.3
 145 28.5 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 20.775 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064509.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:225 Resp: 74529
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.1 93.3
 227 63.4 31.8 95.4

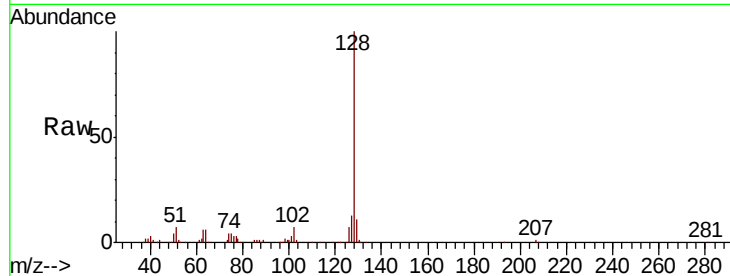




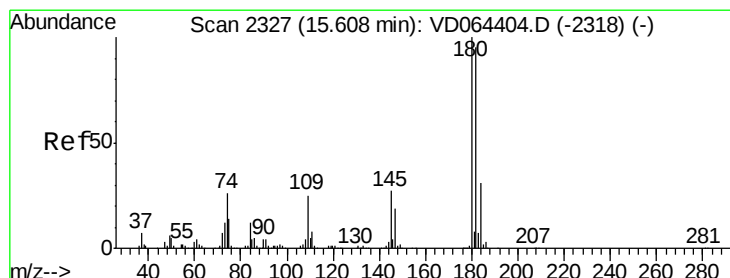
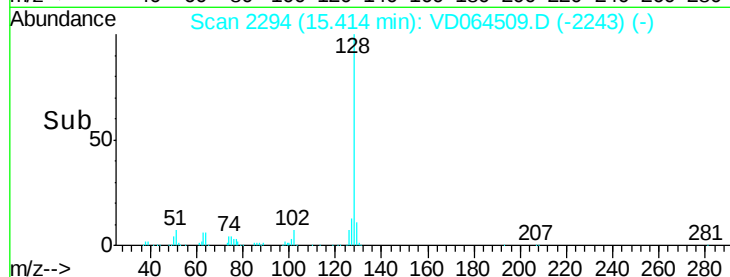
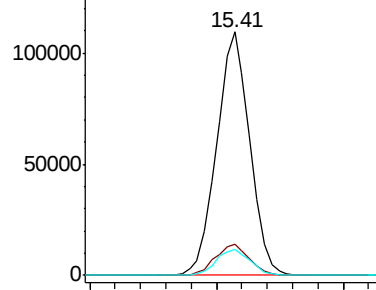
#95
Naphthalene
Concen: 20.378 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBSD01

Tgt Ion:128 Resp: 197622
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.8 13.2

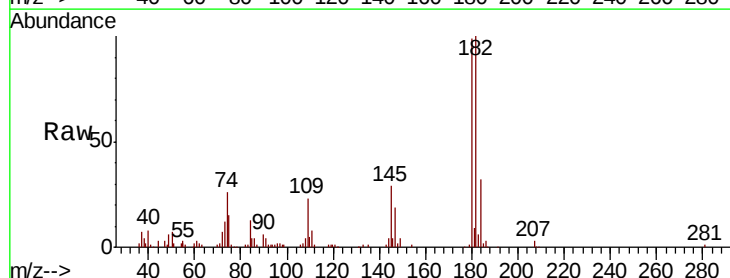


Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064509.D
Acq: 13 Dec 2019 16:22

Tgt Ion:180 Resp: 103159
Ion Ratio Lower Upper
180 100
182 97.2 47.6 142.9
145 28.7 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V
60000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

