

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
 Data File : VD064508.D
 Acq On : 13 Dec 2019 15:54
 Operator : VA/SY
 Sample : VD1213SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

Quant Time: Dec 13 22:51:44 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	429909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	630944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	565598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279015	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	190439	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.91	113	192724	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.34	98	717479	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.64	95	228718	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	80596	20.690	ug/l	93
3) Chloromethane	2.21	50	106574	21.692	ug/l	98
4) Vinyl Chloride	2.35	62	125229	22.075	ug/l	99
5) Bromomethane	2.76	94	84510	20.145	ug/l	96
6) Chloroethane	2.92	64	81738	21.557	ug/l	100
7) Trichlorofluoromethane	3.27	101	215598	22.862	ug/l	99
8) Diethyl Ether	3.70	74	39797	20.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	89385	22.106	ug/l	97
10) Methyl Iodide	4.29	142	85156	19.942	ug/l	99
11) Tert butyl alcohol	5.25	59	23807	96.112	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	83214	21.475	ug/l	98
13) Acrolein	3.92	56	29426	87.095	ug/l	99
14) Allyl chloride	4.71	41	127287	21.048	ug/l	98
15) Acrylonitrile	5.43	53	90596	105.720	ug/l	98
16) Acetone	4.17	43	82976	105.520	ug/l	99
17) Carbon Disulfide	4.40	76	256613	20.909	ug/l	98
18) Methyl Acetate	4.72	43	49481	21.572	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	182112	20.488	ug/l	97
20) Methylene Chloride	4.96	84	96069	21.511	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	95342	21.752	ug/l	98
22) Diisopropyl ether	6.37	45	248479	20.814	ug/l	96
23) Vinyl Acetate	6.31	43	734664	104.384	ug/l	98
24) 1,1-Dichloroethane	6.26	63	155339	21.636	ug/l	98
25) 2-Butanone	7.22	43	114706	103.146	ug/l	97
26) 2,2-Dichloropropane	7.21	77	135263	21.664	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	99472	20.816	ug/l	99
28) Bromochloromethane	7.55	49	39848	16.241	ug/l	98
29) Tetrahydrofuran	7.57	42	73544	103.946	ug/l	97
30) Chloroform	7.71	83	159934	21.509	ug/l	99
31) Cyclohexane	7.98	56	148960	21.114	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	149211	21.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	128212	21.484	ug/l	99
37) Ethyl Acetate	7.30	43	50043	19.762	ug/l #	95
38) Carbon Tetrachloride	8.10	117	138044	21.917	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	157938	21.335	ug/l	95
40) Benzene	8.35	78	346321	20.894	ug/l	97
41) Methacrylonitrile	7.57	41	72542	49.952	ug/l #	38
42) 1,2-Dichloroethane	8.43	62	101436	20.985	ug/l	98
43) Isopropyl Acetate	8.46	43	104211	20.930	ug/l	99
44) Trichloroethene	9.11	130	103654	20.760	ug/l	96
45) 1,2-Dichloropropane	9.39	63	83577	21.083	ug/l	93
46) Dibromomethane	9.47	93	47116	21.059	ug/l	98
47) Bromodichloromethane	9.66	83	122525	21.313	ug/l #	96
48) Methyl methacrylate	9.46	41	47044	20.648	ug/l	95
49) 1,4-Dioxane	9.47	88	11424	413.496	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	258797	105.051	ug/l	99
52) Toluene	10.40	92	225674	20.891	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	116143	21.199	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	136744	21.010	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	65027	21.226	ug/l	95
56) Ethyl methacrylate	10.66	69	79625	20.378	ug/l	98
57) 1,3-Dichloropropane	10.95	76	107557	20.625	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	172412	110.689	ug/l	100
59) 2-Hexanone	10.98	43	177724	103.967	ug/l	99
60) Dibromochloromethane	11.14	129	87508	21.067	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63863	20.878	ug/l	96
64) Tetrachloroethene	10.87	164	91135	21.130	ug/l	96
65) Chlorobenzene	11.67	112	242812	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88907	20.359	ug/l	96
67) Ethyl Benzene	11.74	91	430279	20.500	ug/l	98
68) m/p-Xylenes	11.86	106	331648	41.442	ug/l	99
69) o-Xylene	12.18	106	154024	20.839	ug/l	97
70) Styrene	12.20	104	261817	20.385	ug/l	99
71) Bromoform	12.36	173	53899	20.630	ug/l #	99
73) Isopropylbenzene	12.48	105	420850	20.972	ug/l	99
74) N-amyl acetate	12.29	43	89656	19.685	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	69366	20.903	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	89445	38.982	ug/l #	100
77) Bromobenzene	12.77	156	101700	20.523	ug/l	99
78) n-propylbenzene	12.83	91	484321	20.918	ug/l	99
79) 2-Chlorotoluene	12.91	91	263709	20.699	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	334417	20.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22329	21.220	ug/l	95
82) 4-Chlorotoluene	13.01	91	277697	20.587	ug/l	100
83) tert-Butylbenzene	13.23	119	298274	20.922	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	338093	20.504	ug/l	100
85) sec-Butylbenzene	13.41	105	401626	20.526	ug/l	99
86) p-Isopropyltoluene	13.53	119	375060	20.303	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193561	20.580	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	190425	20.507	ug/l	99
89) n-Butylbenzene	13.85	91	343724	20.489	ug/l	99
90) Hexachloroethane	14.12	117	73091	21.154	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165984	20.650	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11203	19.962	ug/l	96

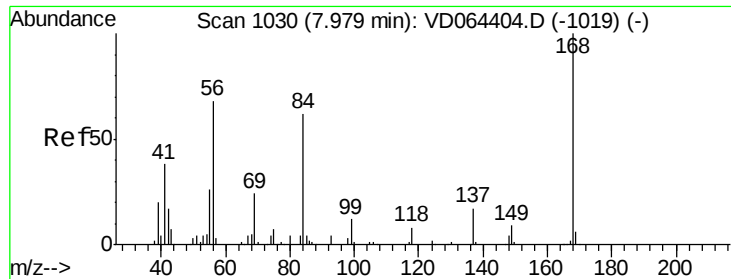
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122667	19.927	ug/l	99
94) Hexachlorobutadiene	15.28	225	75470	19.859	ug/l	98
95) Naphthalene	15.41	128	201365	19.601	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108079	20.568	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

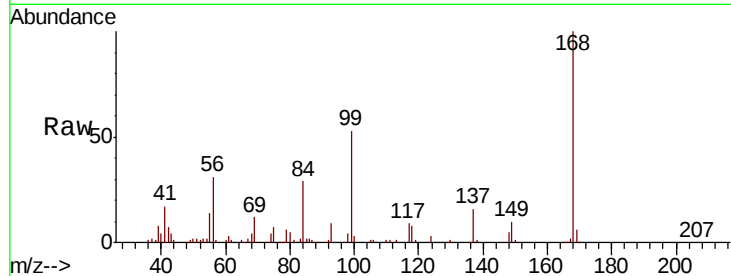
VD1213SBS01

Tgt Ion:168 Resp: 429909

Ion Ratio Lower Upper

168 100

99 53.3 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

200000

150000

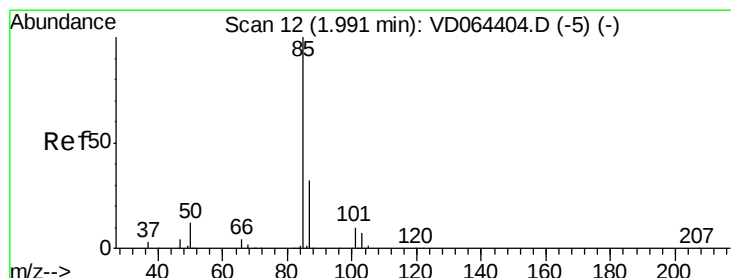
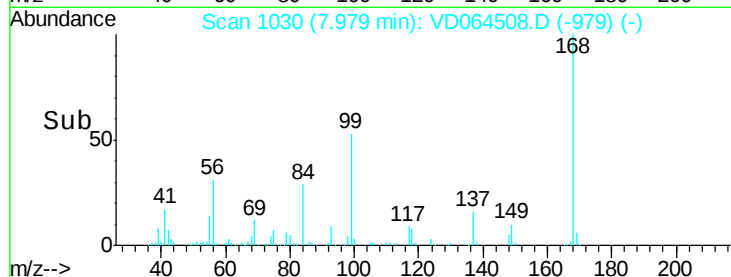
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.690 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064508.D

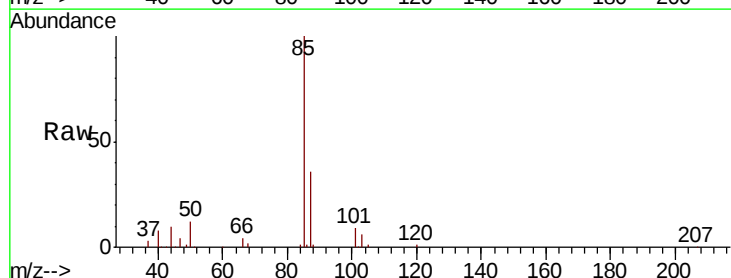
Acq: 13 Dec 2019 15:54

Tgt Ion: 85 Resp: 80596

Ion Ratio Lower Upper

85 100

87 36.2 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

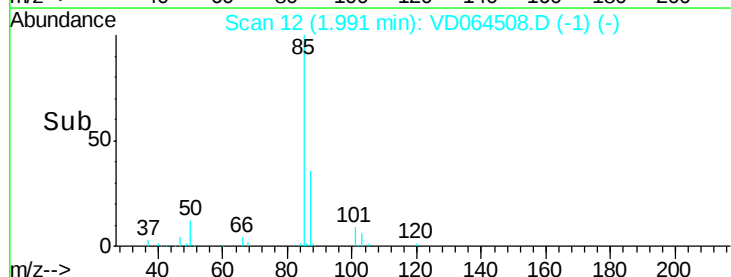
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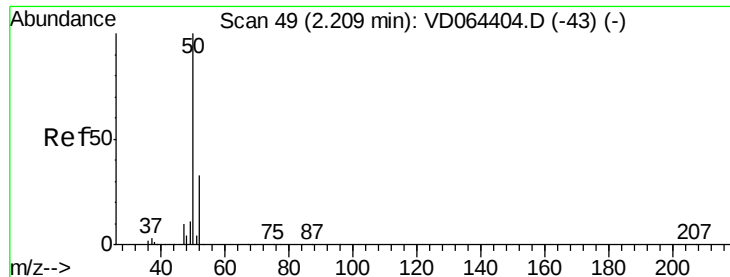
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.692 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

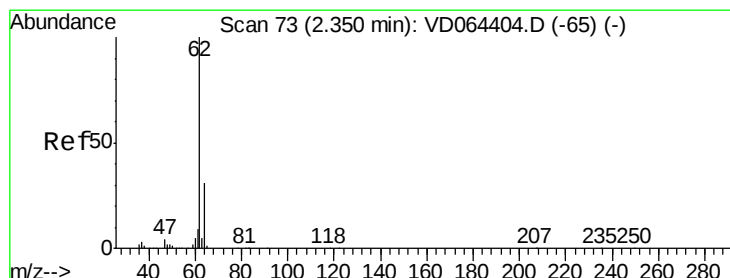
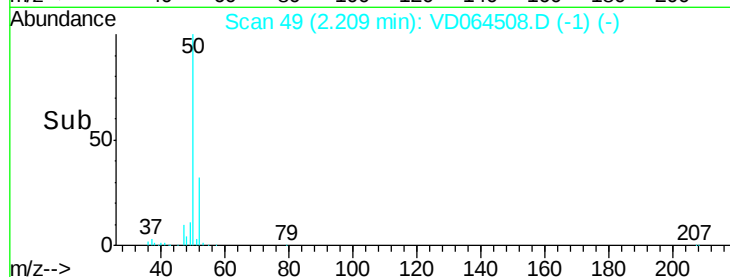
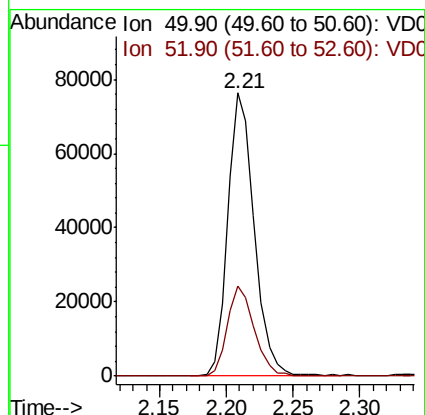
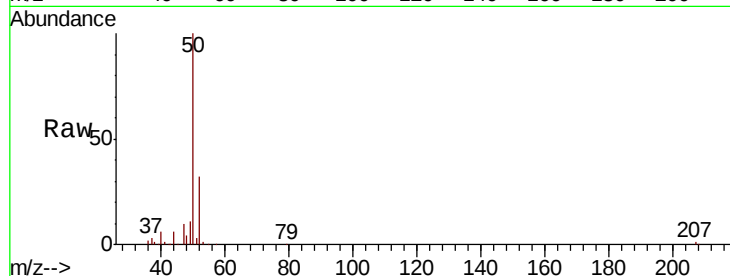
VD1213SBS01

Tgt Ion: 50 Resp: 106574

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



#4

Vinyl Chloride

Concen: 22.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064508.D

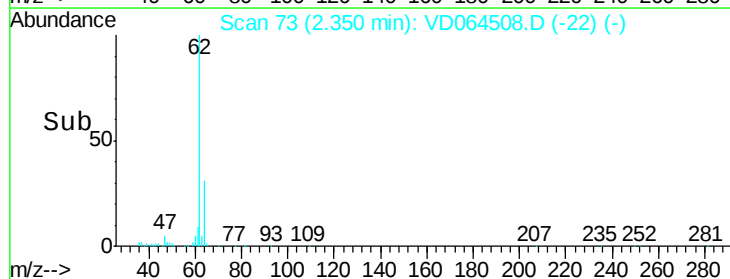
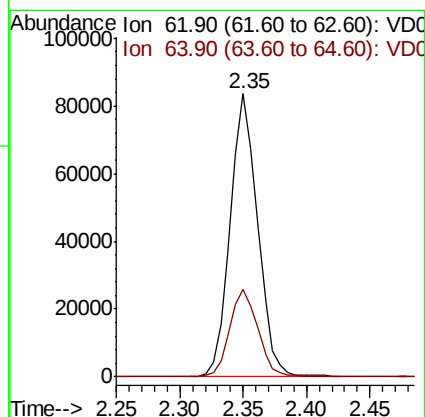
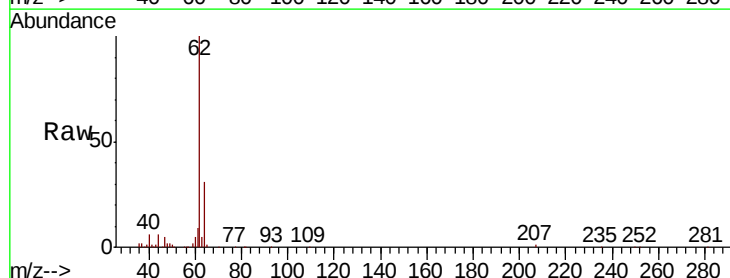
Acq: 13 Dec 2019 15:54

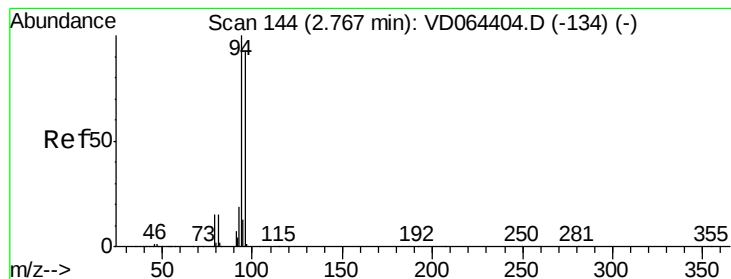
Tgt Ion: 62 Resp: 125229

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.4





#5

Bromomethane

Concen: 20.145 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

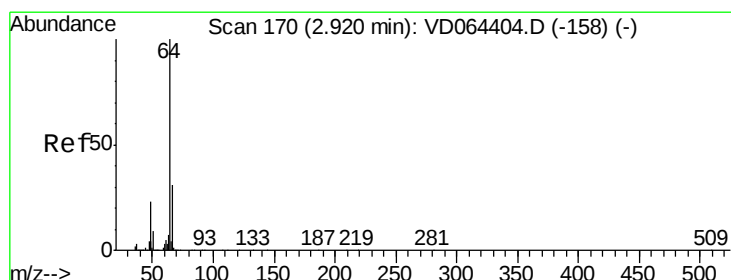
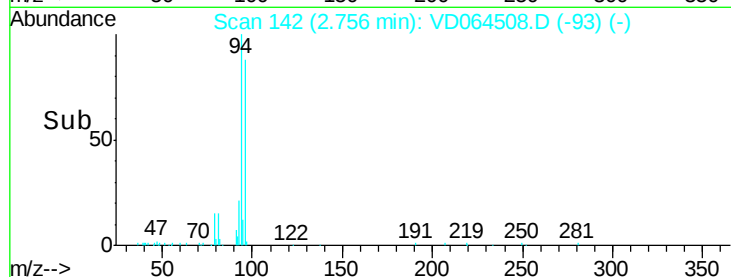
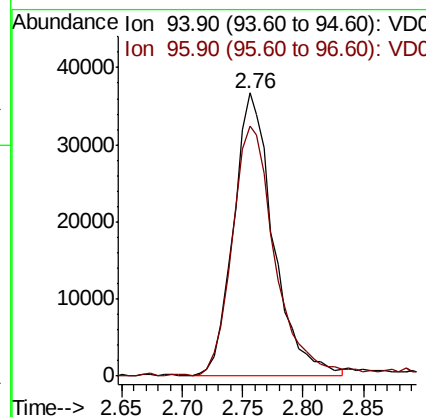
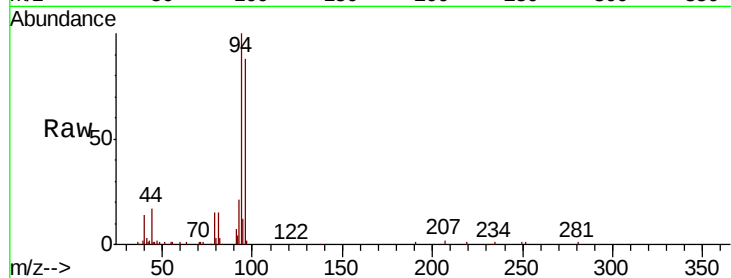
VD1213SBS01

Tgt Ion: 94 Resp: 84510

Ion Ratio Lower Upper

94 100

96 88.2 73.6 110.4



#6

Chloroethane

Concen: 21.557 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064508.D

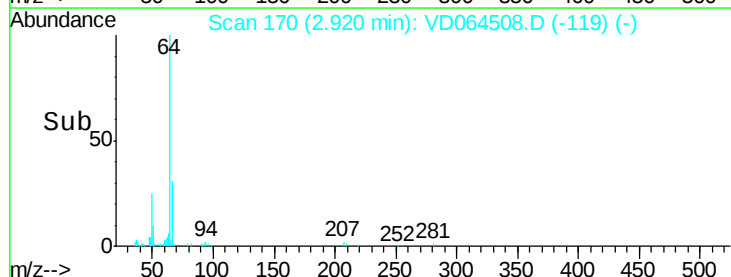
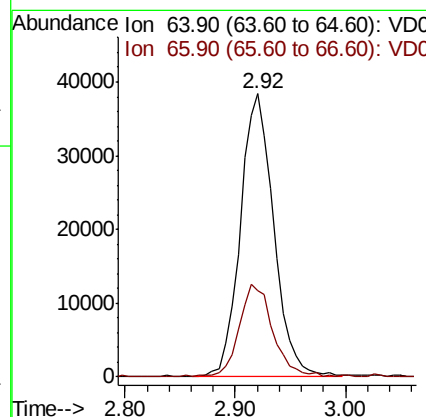
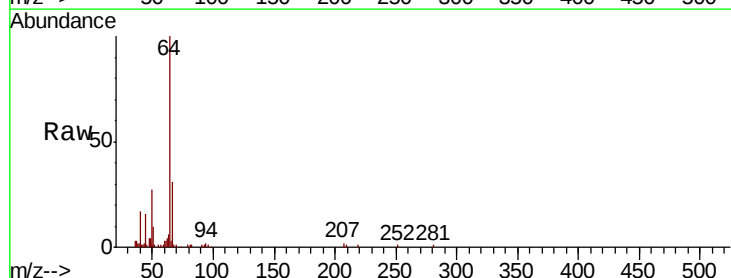
Acq: 13 Dec 2019 15:54

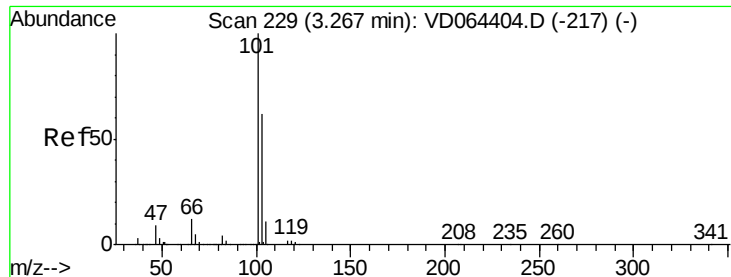
Tgt Ion: 64 Resp: 81738

Ion Ratio Lower Upper

64 100

66 30.6 24.6 37.0



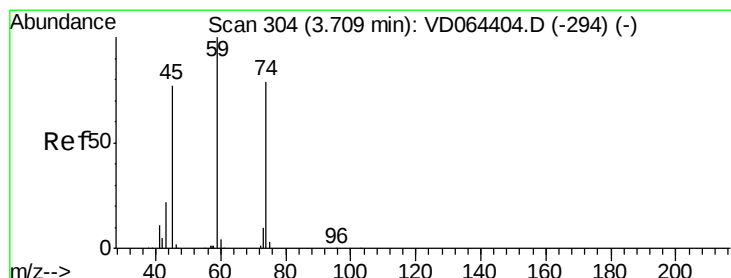
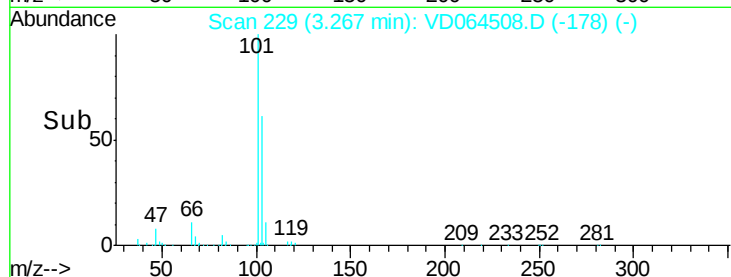
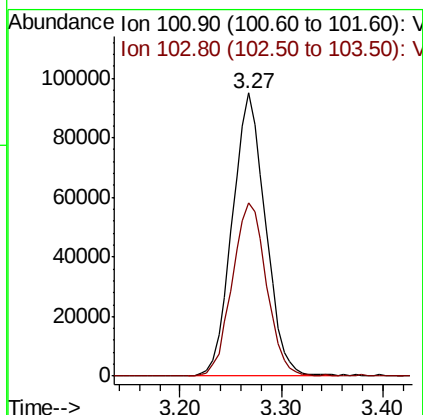
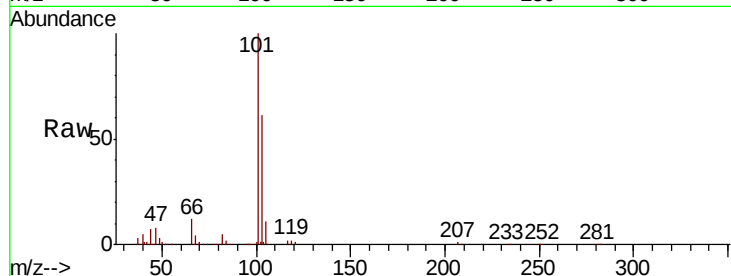


#7

Trichlorofluoromethane
 Concen: 22.862 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

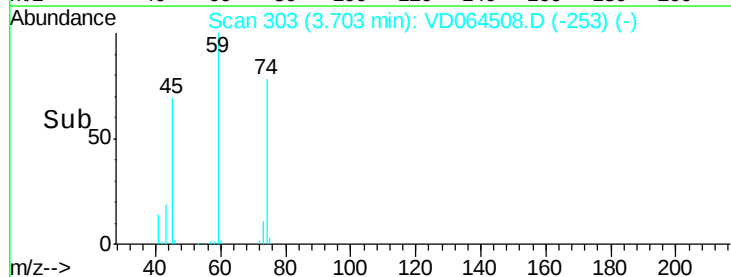
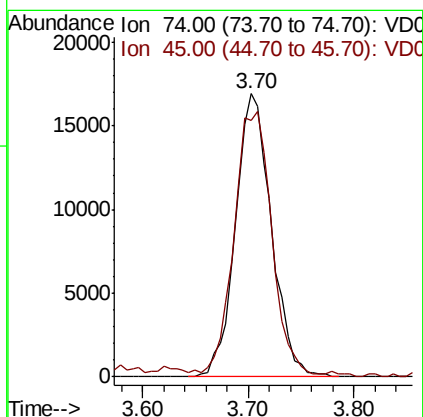
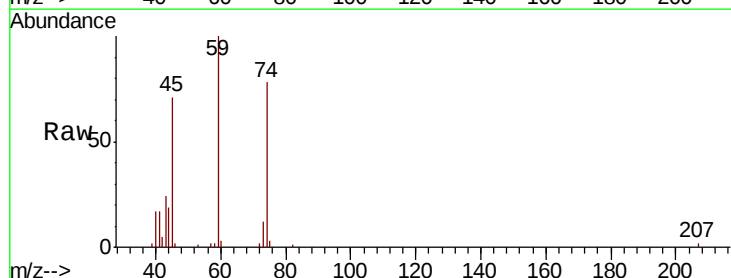
Tgt Ion: 101 Resp: 215598
 Ion Ratio Lower Upper
 101 100
 103 61.2 49.8 74.6

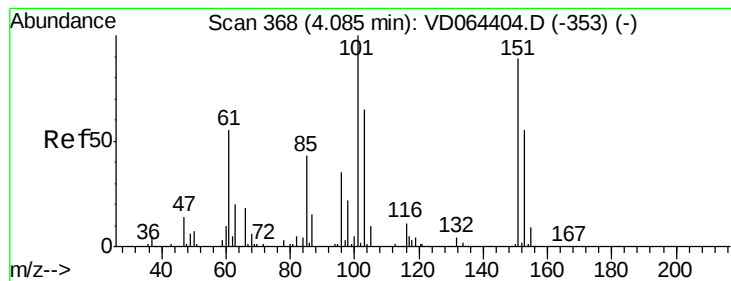


#8

Diethyl Ether
 Concen: 20.308 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 74 Resp: 39797
 Ion Ratio Lower Upper
 74 100
 45 96.1 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.106 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

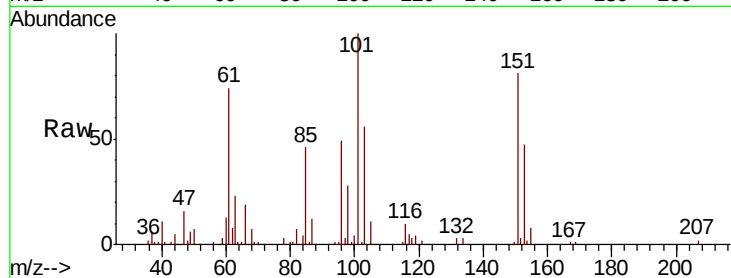
Tgt Ion:101 Resp: 89385

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

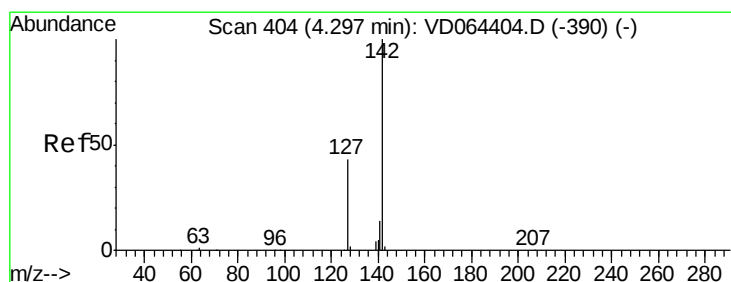
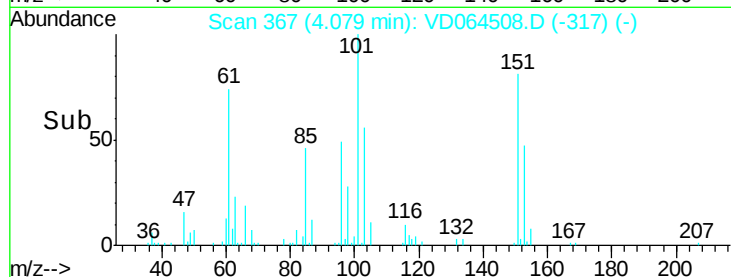
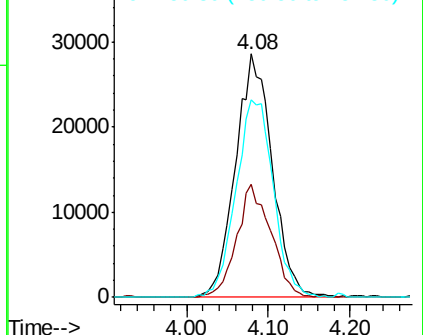
151 82.6 68.8 103.2



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: 19.942 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

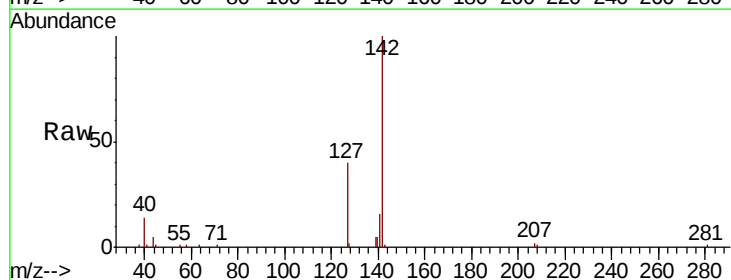
Tgt Ion:142 Resp: 85156

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

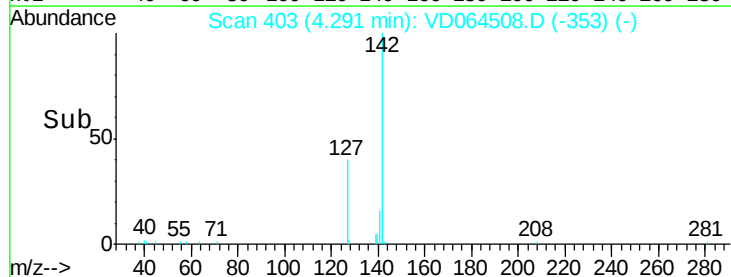
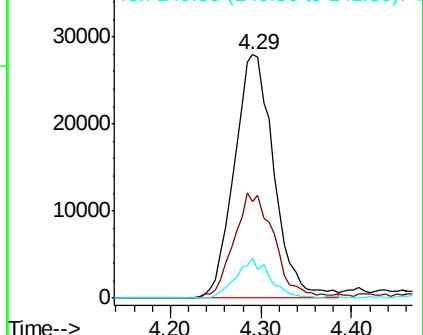
141 13.9 11.6 17.4

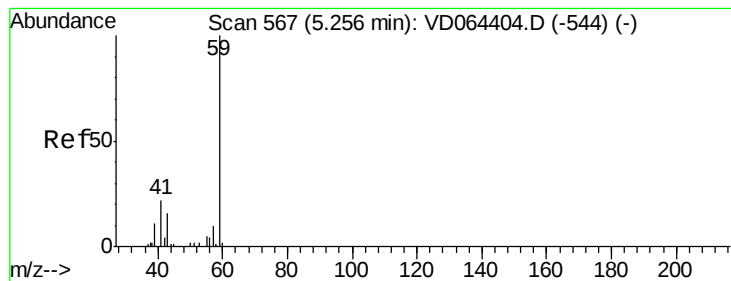


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 96.112 ug/l

RT: 5.25 min Scan# 566

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

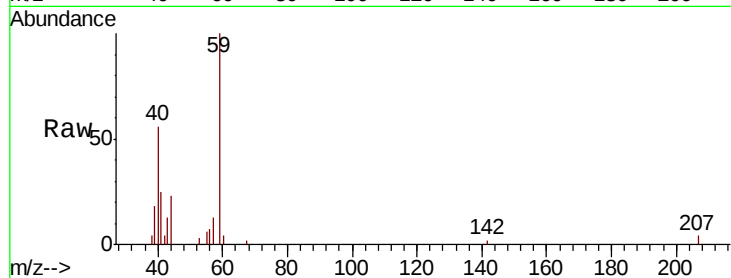
VD1213SBS01

Tgt Ion: 59 Resp: 23807

Ion Ratio Lower Upper

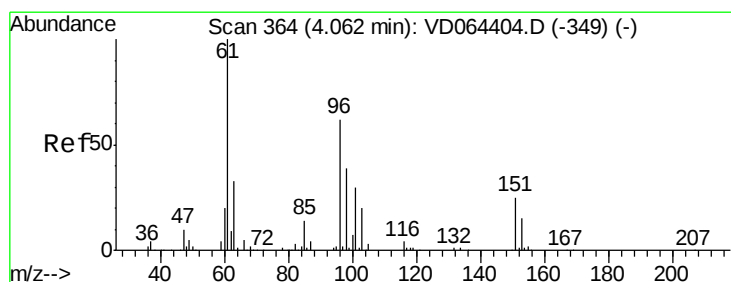
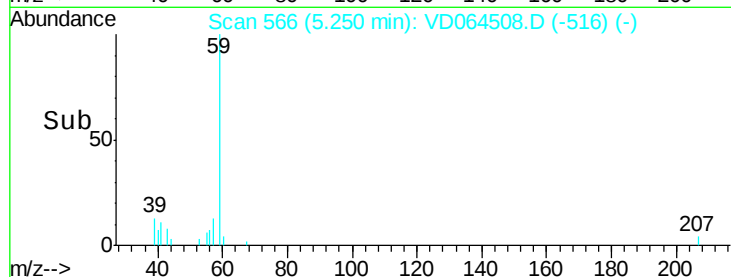
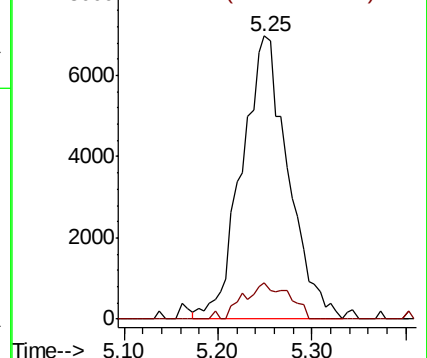
59 100

57 12.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.475 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

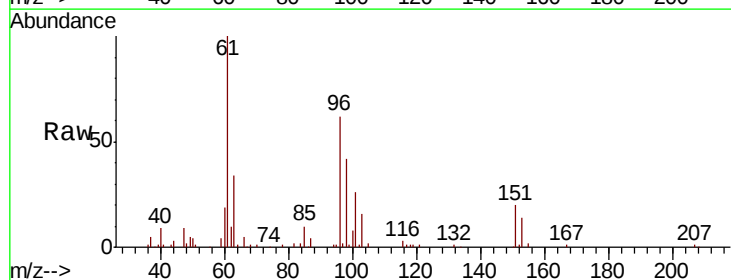
Tgt Ion: 96 Resp: 83214

Ion Ratio Lower Upper

96 100

61 160.5 128.2 192.4

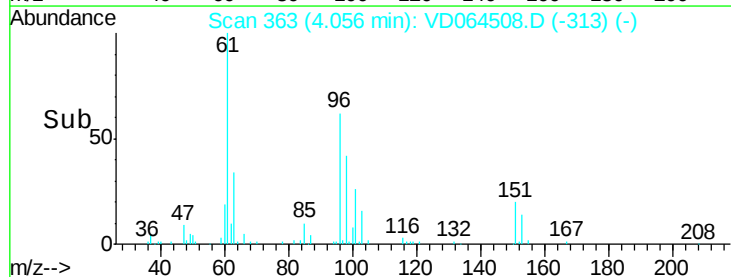
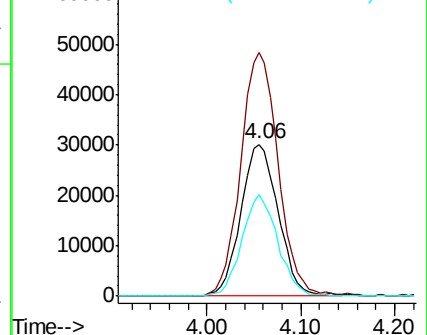
98 67.3 50.4 75.6

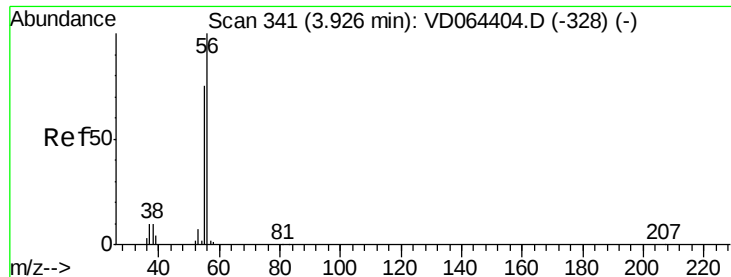


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 87.095 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

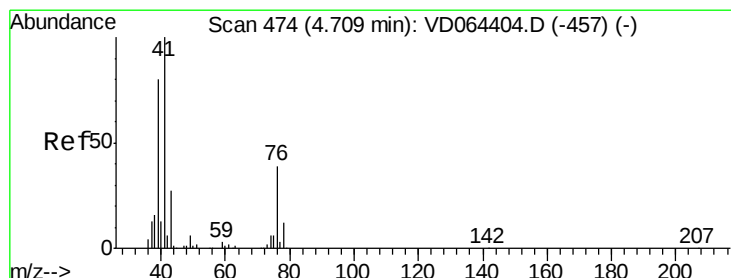
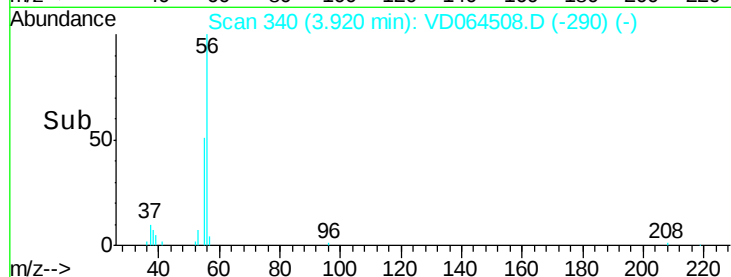
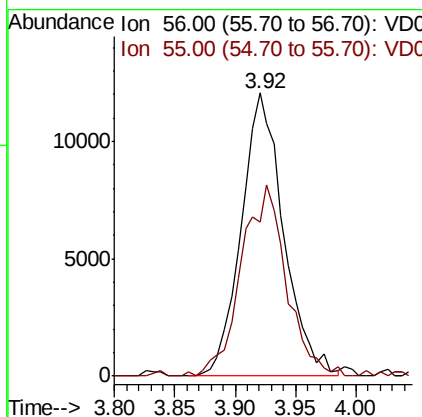
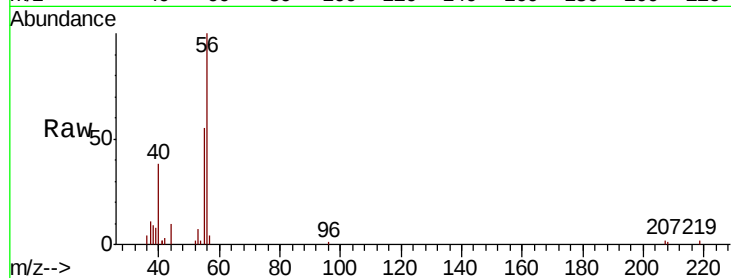
VD1213SBS01

Tgt Ion: 56 Resp: 29426

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Allyl chloride

Concen: 21.048 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

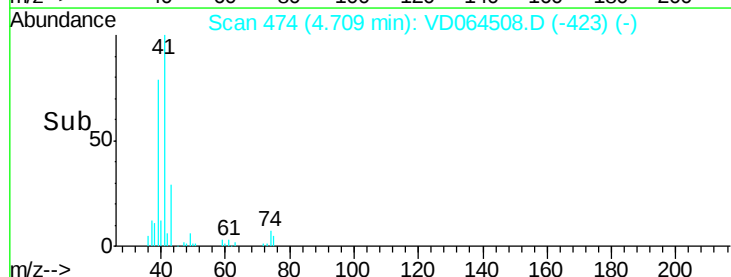
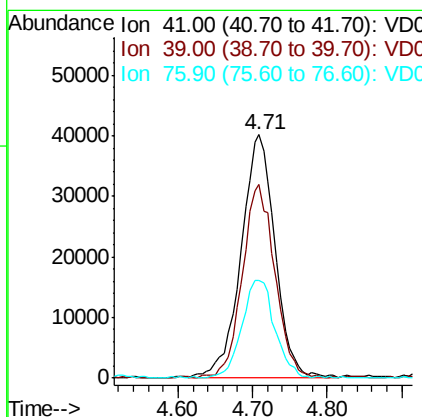
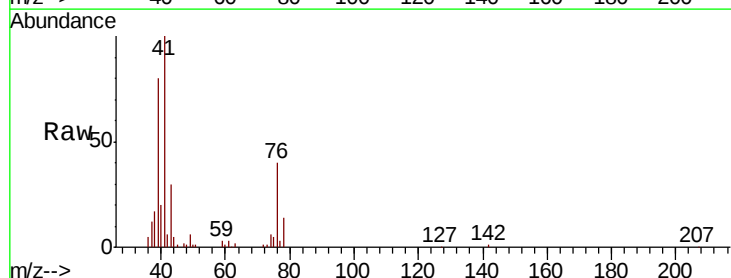
Tgt Ion: 41 Resp: 127287

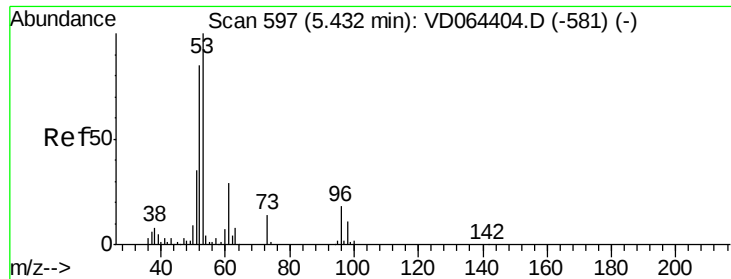
Ion Ratio Lower Upper

41 100

39 76.2 62.1 93.1

76 39.1 29.8 44.8





#15

Acrylonitrile

Concen: 105.720 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

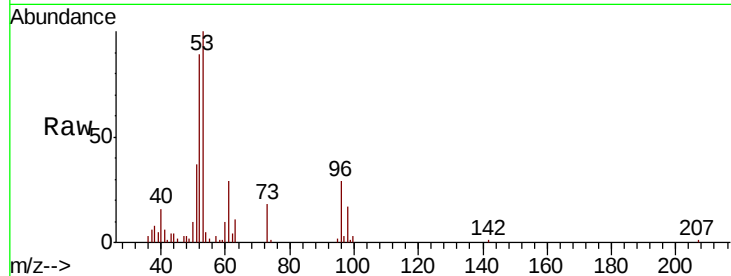
Tgt Ion: 53 Resp: 90596

Ion Ratio Lower Upper

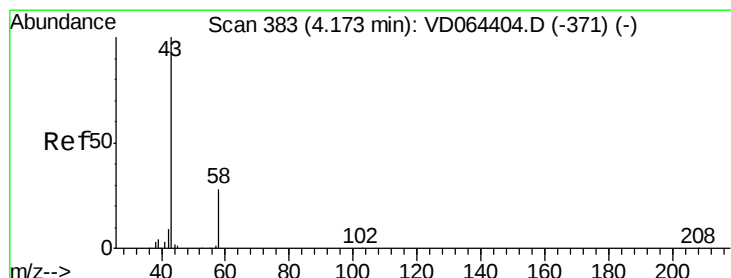
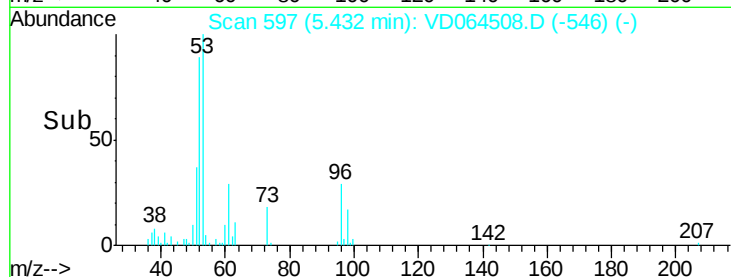
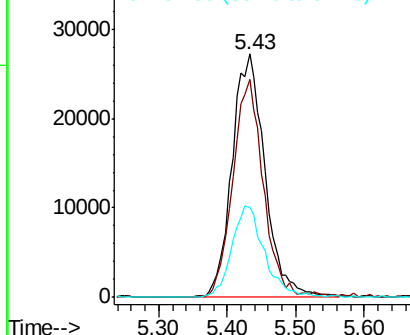
53 100

52 82.7 67.9 101.9

51 37.3 30.6 45.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 105.520 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064508.D

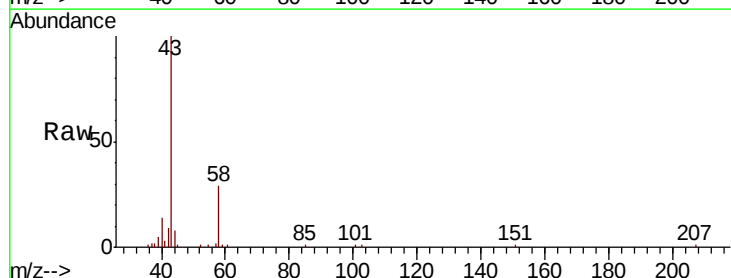
Acq: 13 Dec 2019 15:54

Tgt Ion: 43 Resp: 82976

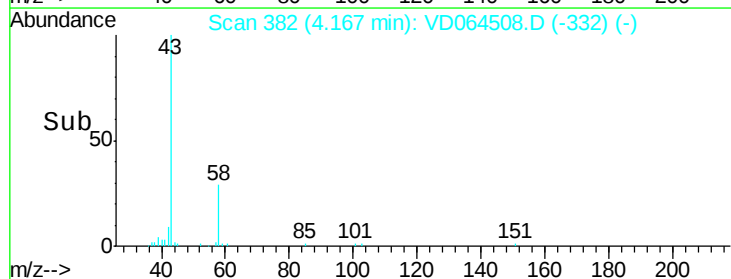
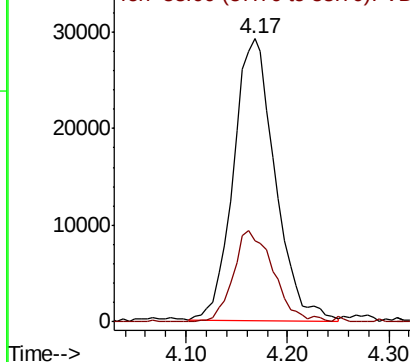
Ion Ratio Lower Upper

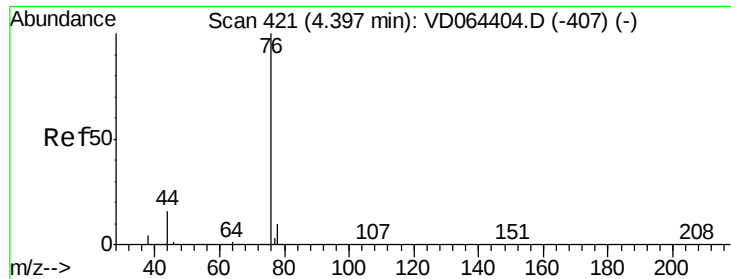
43 100

58 28.9 22.6 33.8



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

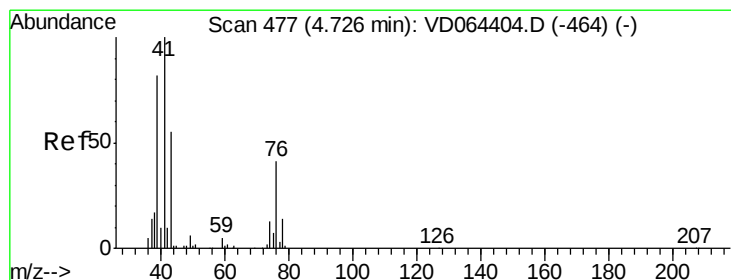
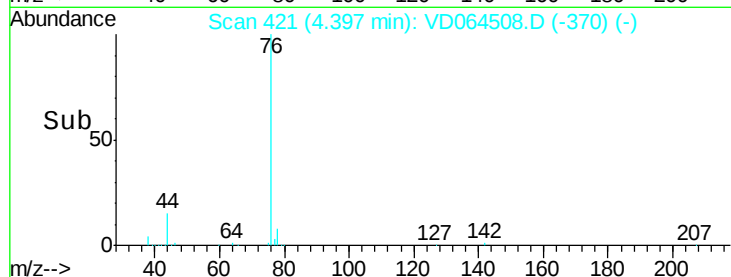
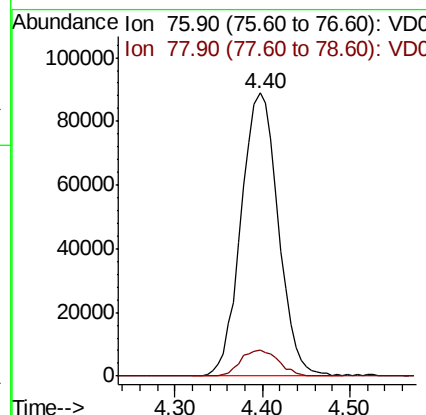
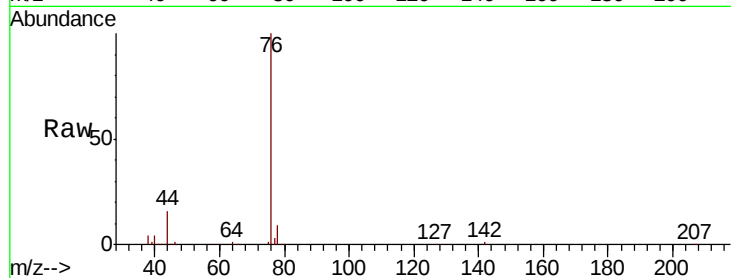




#17
Carbon Disulfide
Concen: 20.909 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

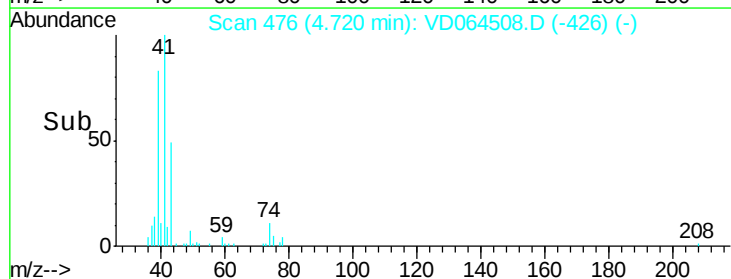
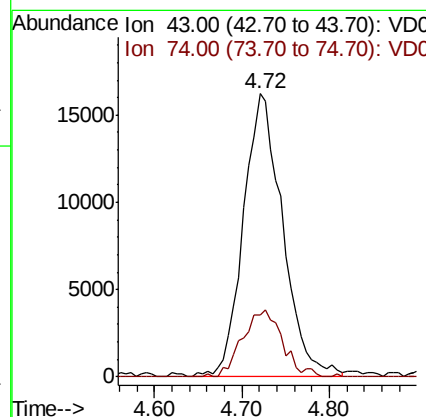
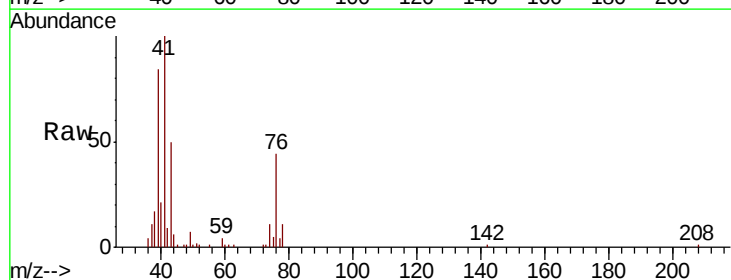
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

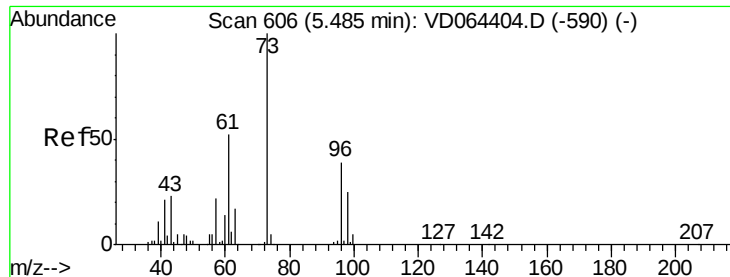
Tgt Ion: 76 Resp: 256613
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.8



#18
Methyl Acetate
Concen: 21.572 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 43 Resp: 49481
Ion Ratio Lower Upper
43 100
74 23.3 19.7 29.5



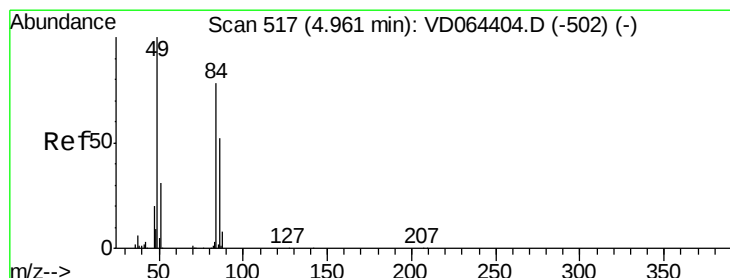
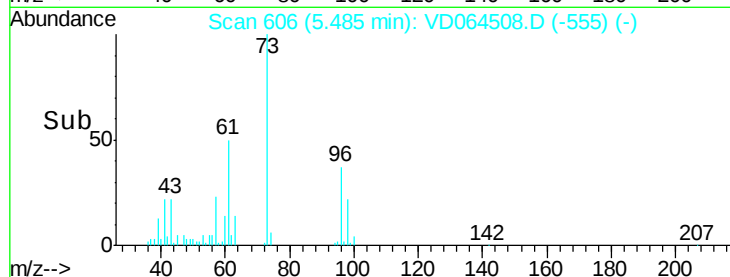
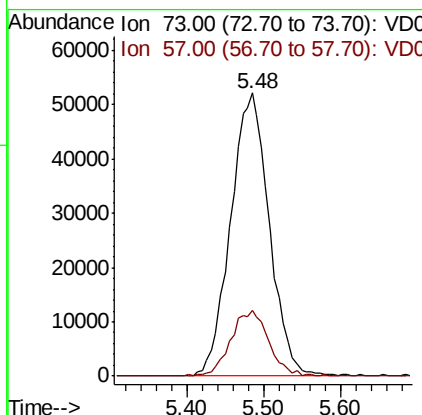
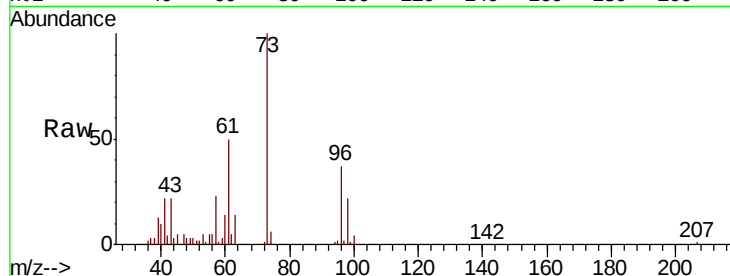


#19

Methyl tert-butyl Ether
 Concen: 20.488 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

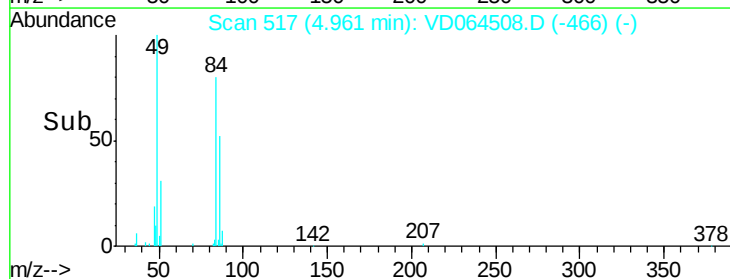
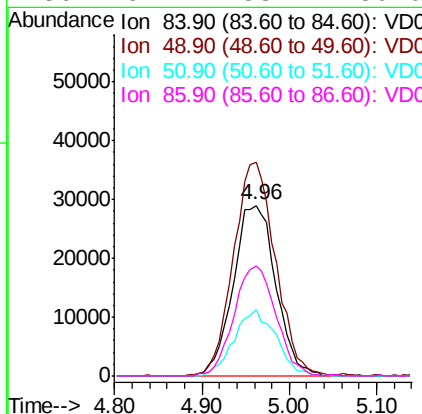
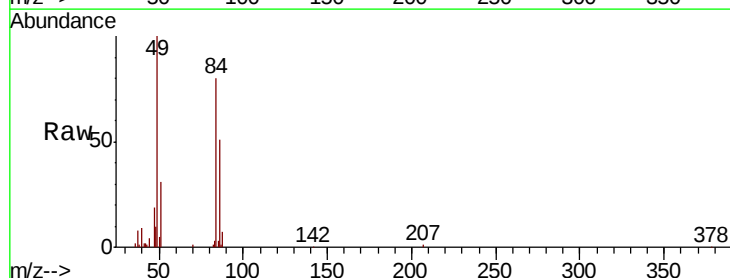
Tgt Ion: 73 Resp: 182112
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.6 26.4

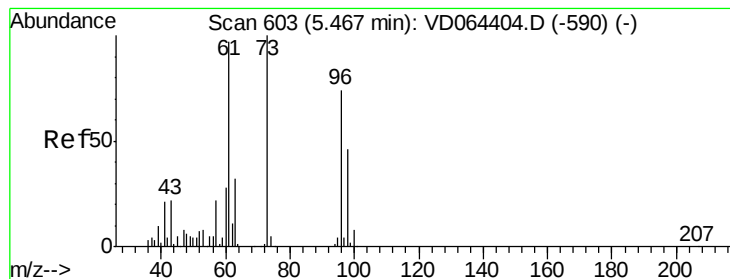


#20

Methylene Chloride
 Concen: 21.511 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 84 Resp: 96069
 Ion Ratio Lower Upper
 84 100
 49 124.7 102.6 153.8
 51 38.8 32.0 48.0
 86 64.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.752 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

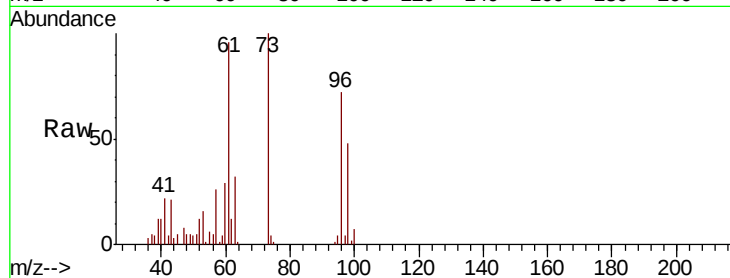
Tgt Ion: 96 Resp: 95342

Ion Ratio Lower Upper

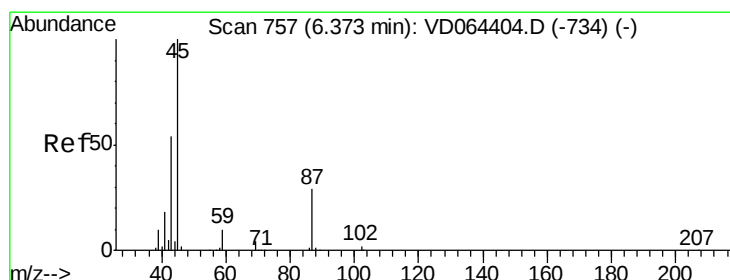
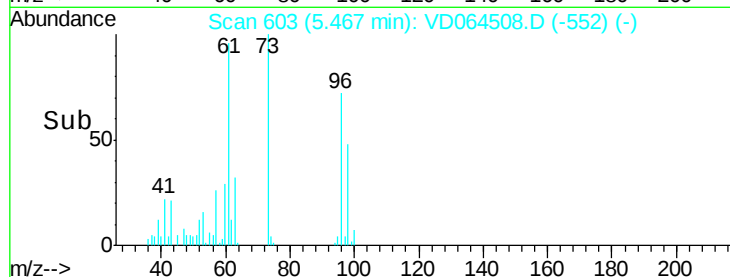
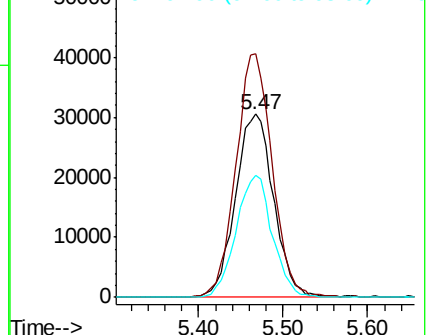
96 100

61 132.8 105.8 158.6

98 66.5 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: 20.814 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion: 45 Resp: 248479

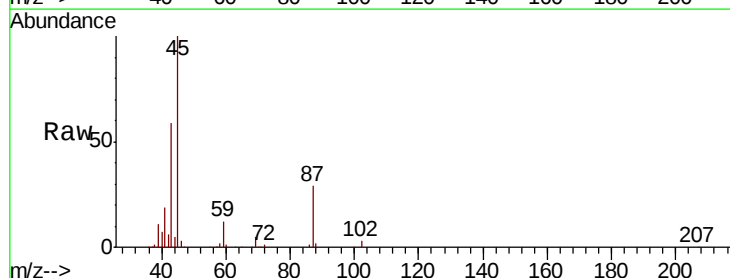
Ion Ratio Lower Upper

45 100

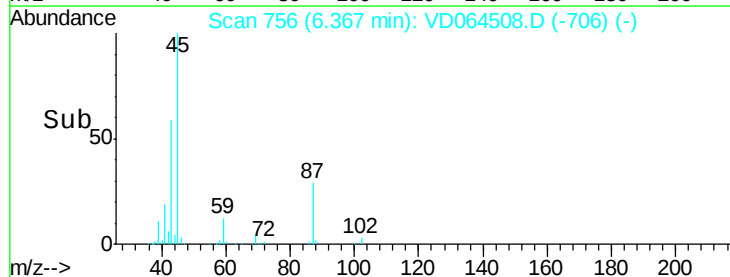
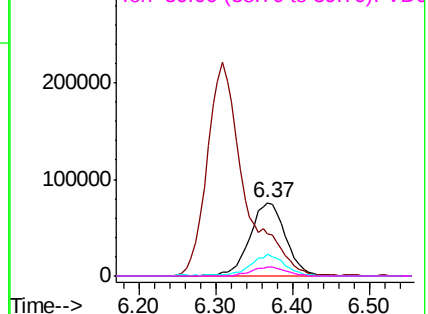
43 57.9 43.1 64.7

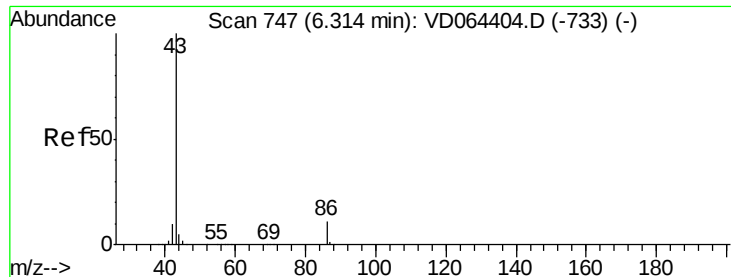
87 29.0 23.5 35.3

59 12.1 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: 104.384 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

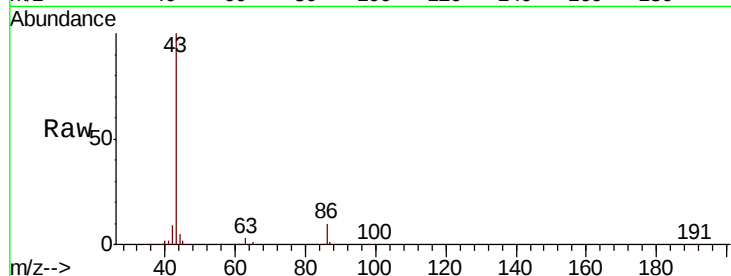
VD1213SBS01

Tgt Ion: 43 Resp: 734664

Ion Ratio Lower Upper

43 100

86 10.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

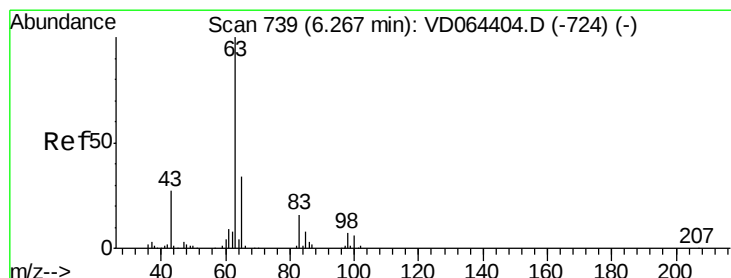
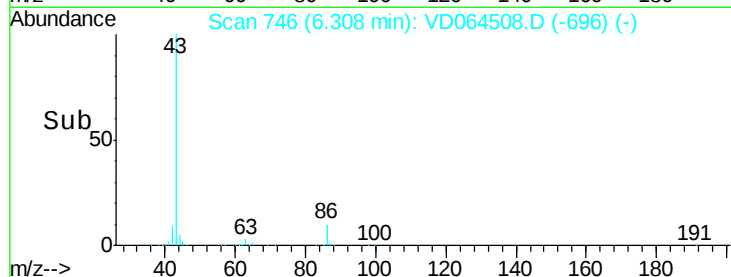
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.636 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

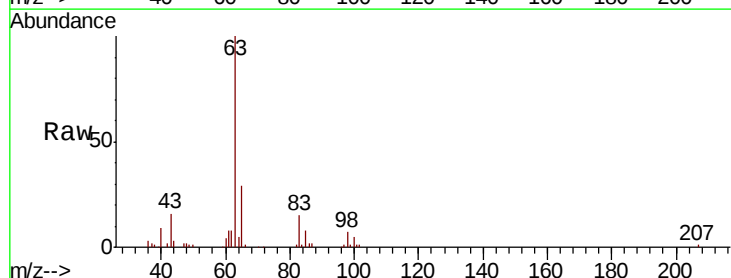
Tgt Ion: 63 Resp: 155339

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 5.0 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

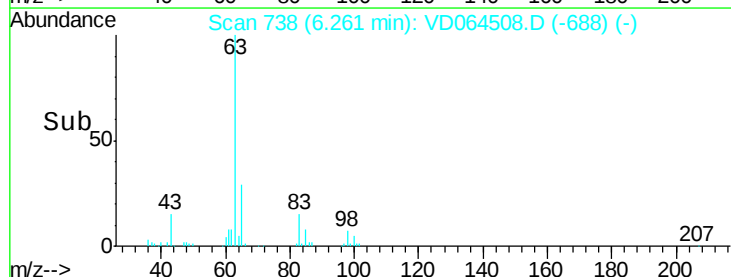
60000

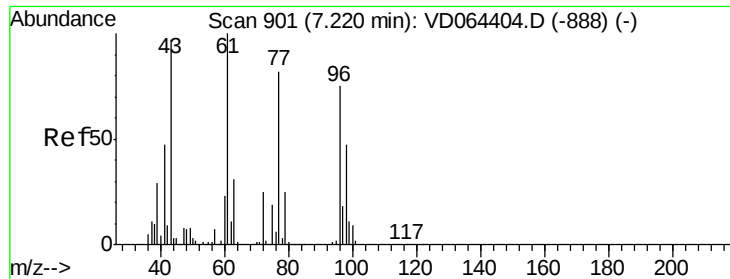
40000

20000

0

Time-->





#25

2-Butanone

Concen: 103.146 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

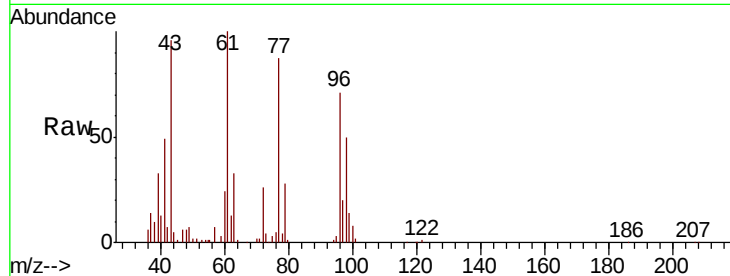
VD1213SBS01

Tgt Ion: 43 Resp: 114706

Ion Ratio Lower Upper

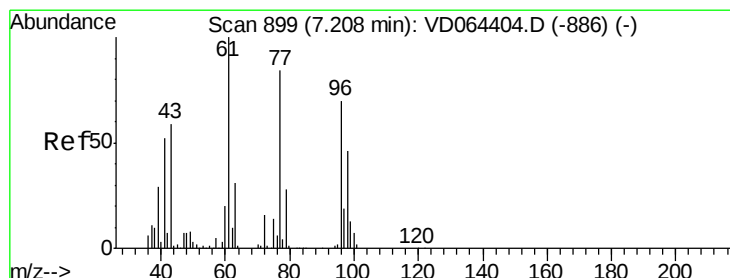
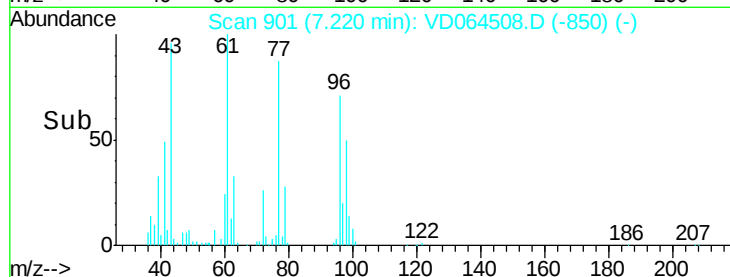
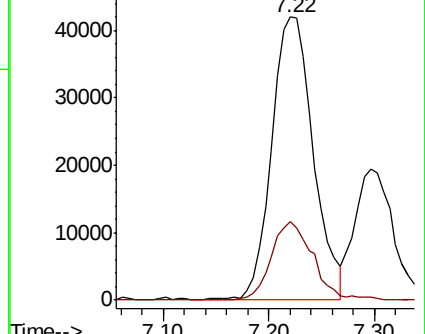
43 100

72 27.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.664 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064508.D

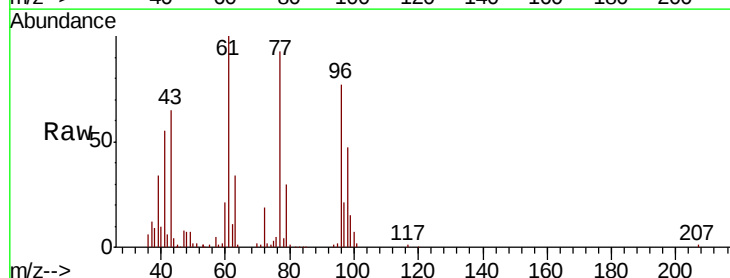
Acq: 13 Dec 2019 15:54

Tgt Ion: 77 Resp: 135263

Ion Ratio Lower Upper

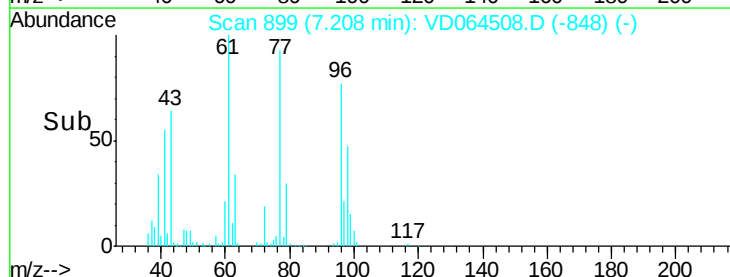
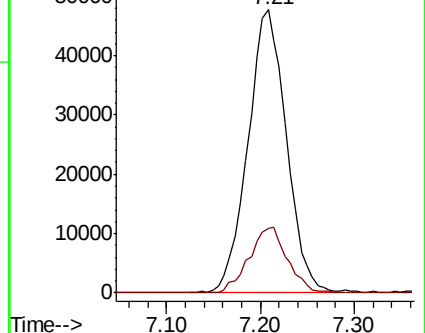
77 100

97 23.0 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

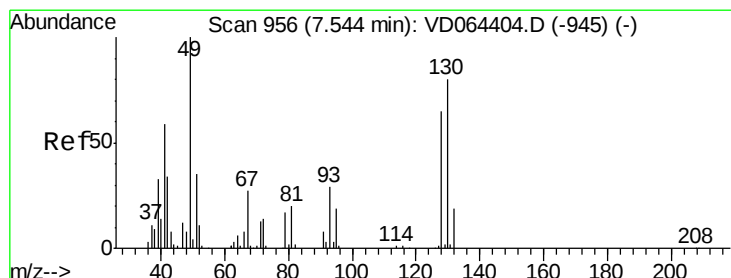
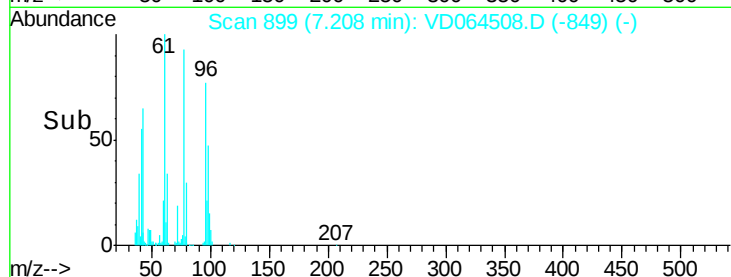
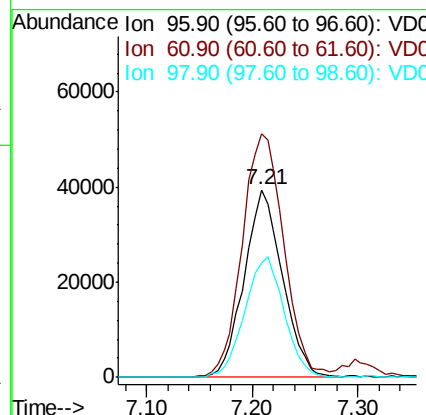
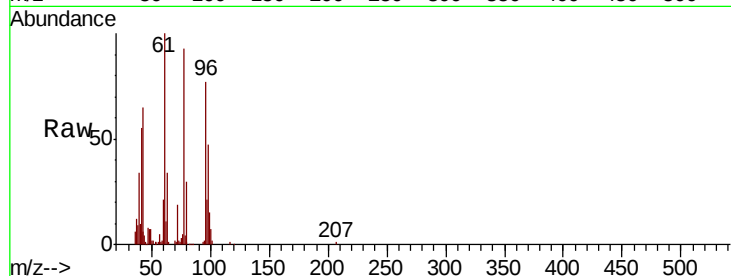




#27
 cis-1,2-Dichloroethene
 Concen: 20.816 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

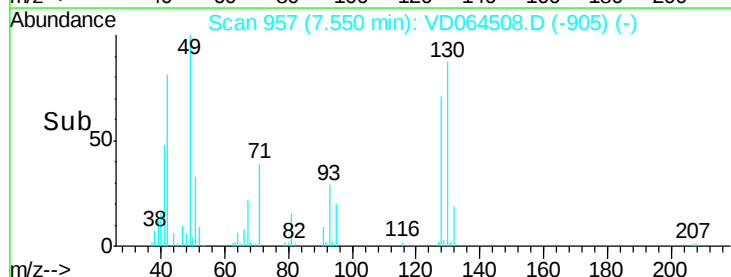
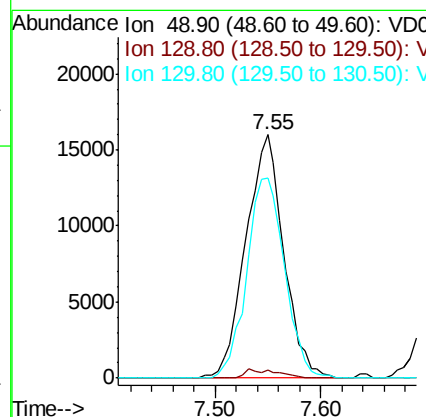
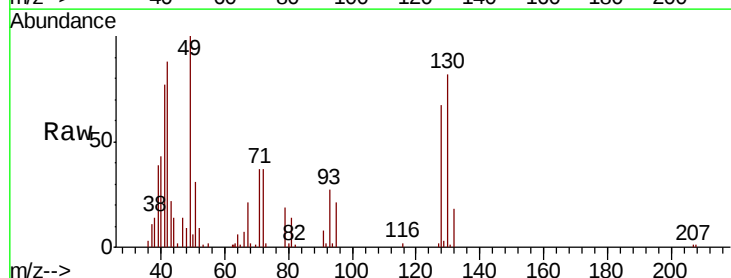
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

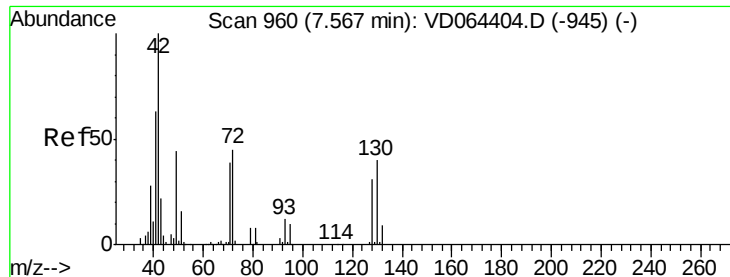
Tgt Ion: 96 Resp: 99472
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 279.6
 98 66.1 0.0 129.2



#28
 Bromochloromethane
 Concen: 16.241 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 49 Resp: 39848
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 4.4
 130 82.4 67.4 101.0

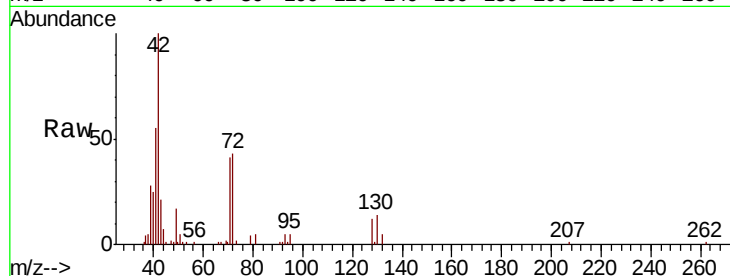




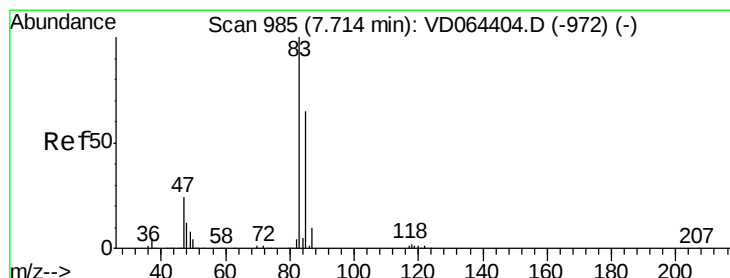
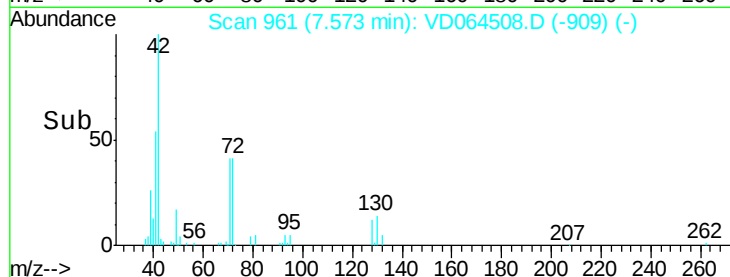
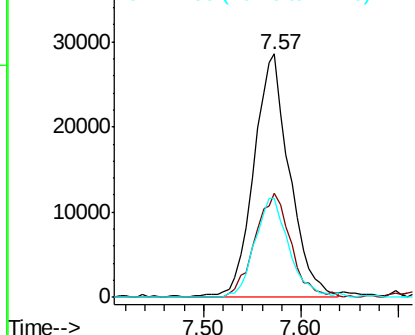
#29
Tetrahydrofuran
Concen: 103.946 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 42 Resp: 73544
Ion Ratio Lower Upper
42 100
72 42.9 35.8 53.8
71 39.3 32.7 49.1

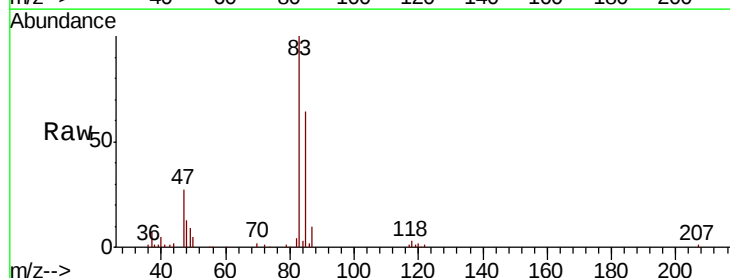


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

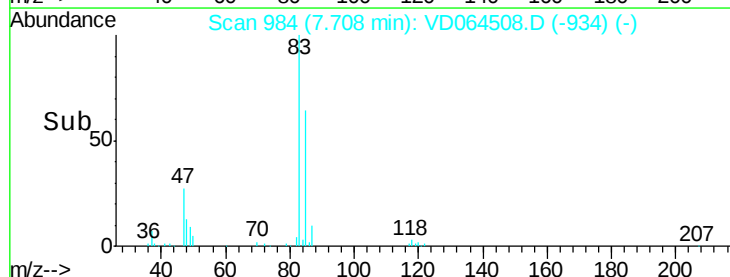
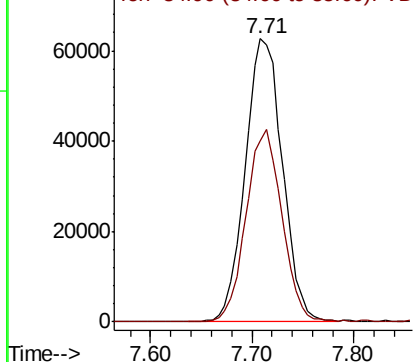


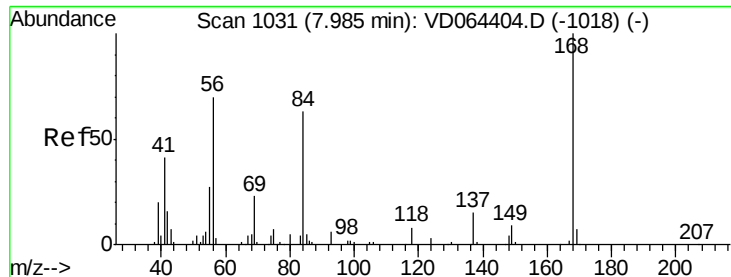
#30
Chloroform
Concen: 21.509 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 83 Resp: 159934
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6



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

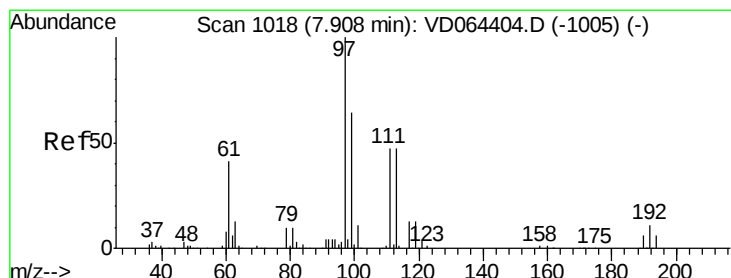
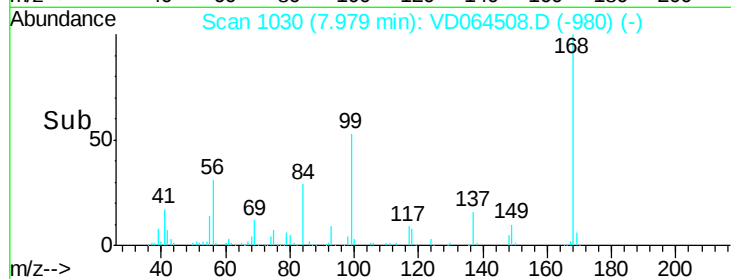
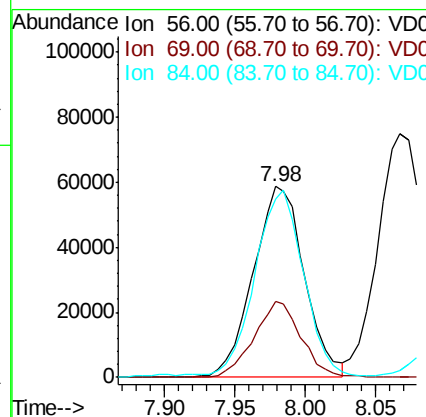
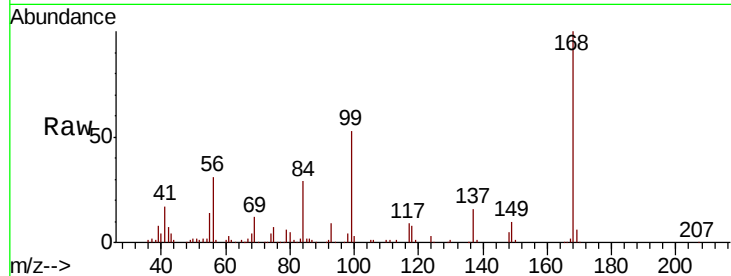




#31
Cyclohexane
Concen: 21.114 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

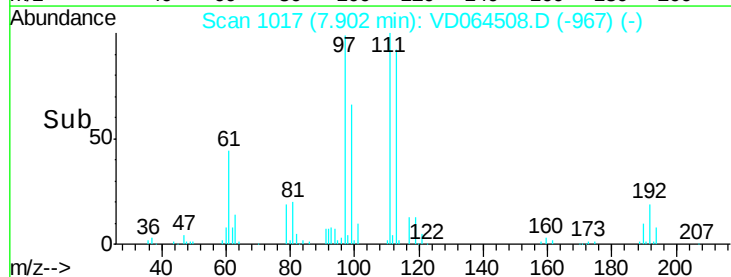
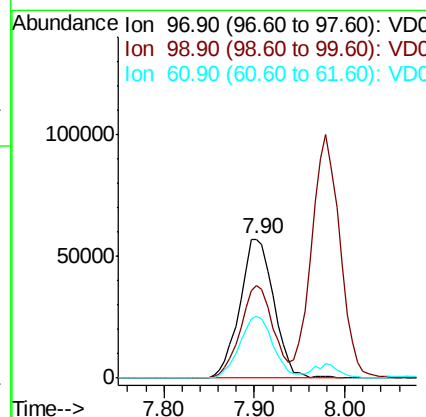
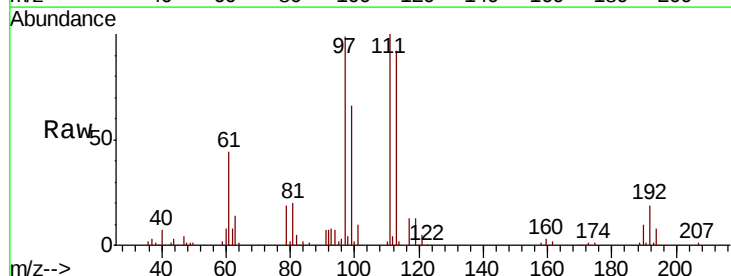
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 56 Resp: 148960
Ion Ratio Lower Upper
56 100
69 39.4 26.2 39.4#
84 92.3 70.3 105.5



#32
1,1,1-Trichloroethane
Concen: 21.645 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 97 Resp: 149211
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.2
61 43.5 35.0 52.4

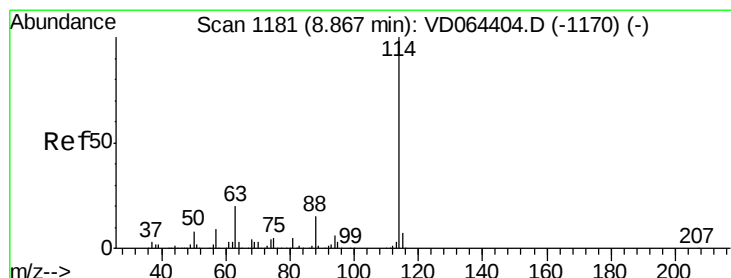
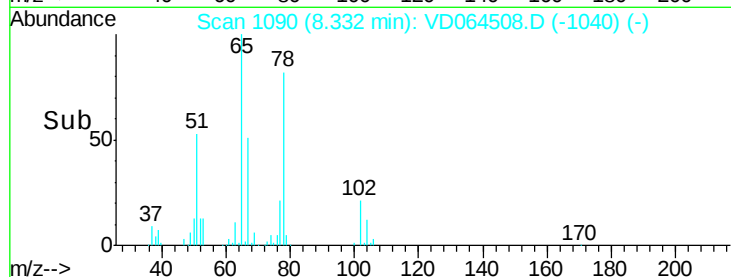
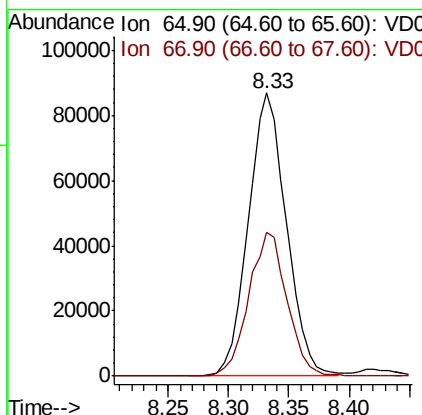
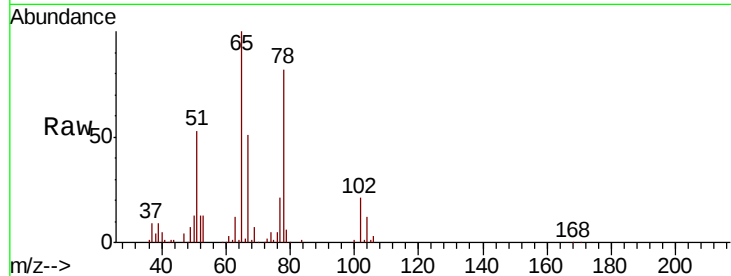




#33
 1,2-Dichloroethane-d4
 Concen: 48.940 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

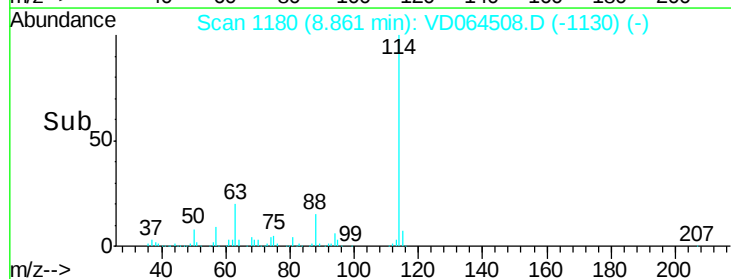
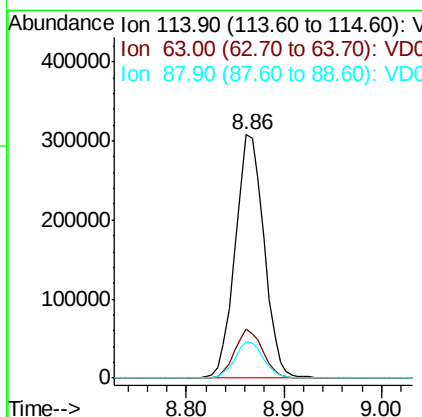
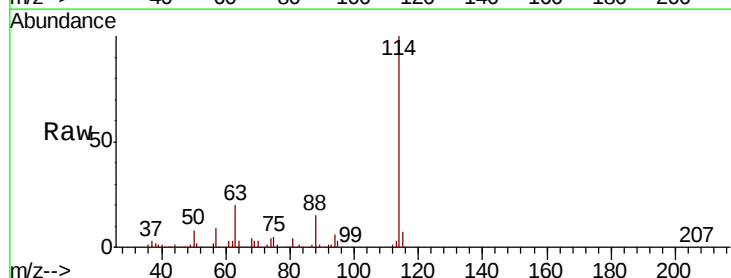
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

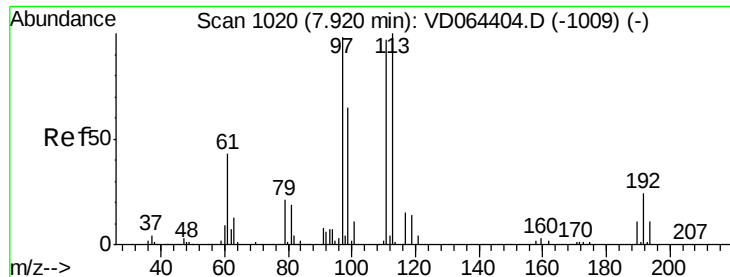
Tgt Ion: 65 Resp: 190439
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 114 Resp: 630944
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.481 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

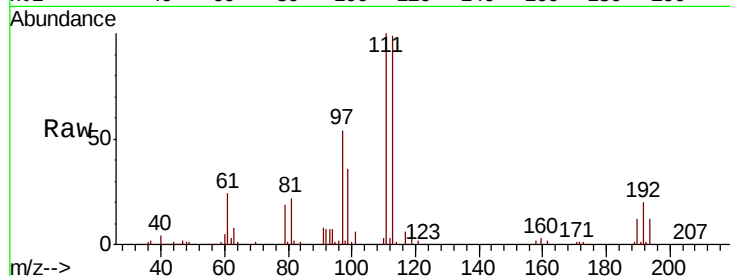
Tgt Ion:113 Resp: 192724

Ion Ratio Lower Upper

113 100

111 102.0 79.4 119.2

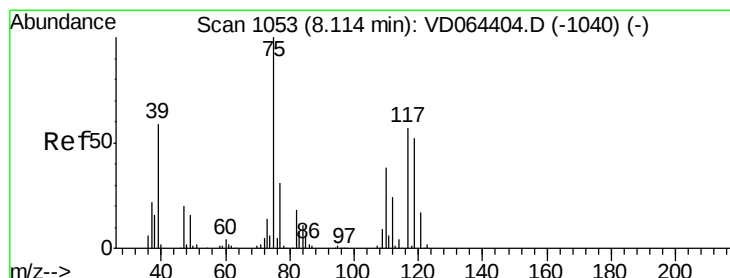
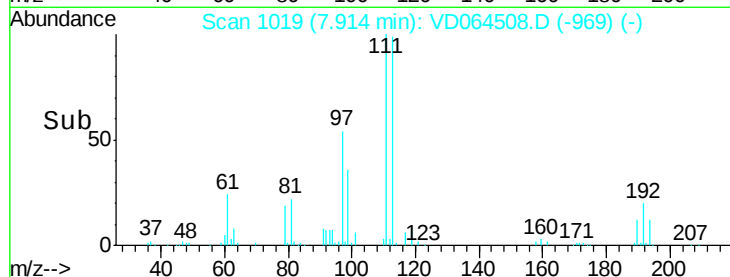
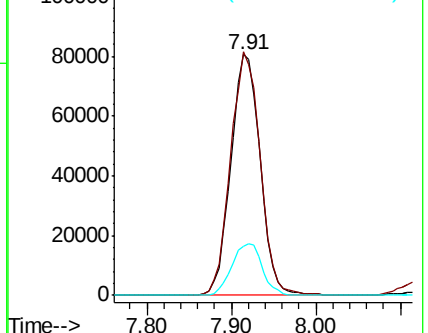
192 22.2 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.484 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

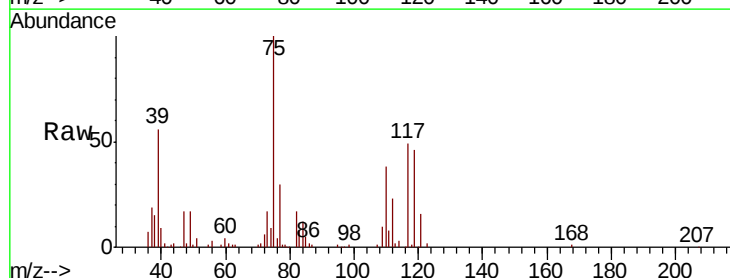
Tgt Ion: 75 Resp: 128212

Ion Ratio Lower Upper

75 100

110 36.7 18.6 55.8

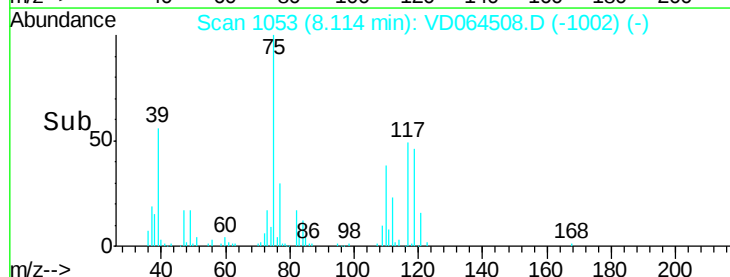
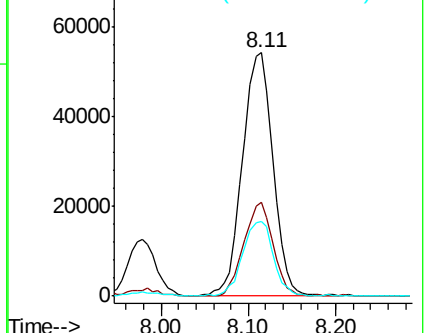
77 31.0 25.0 37.4

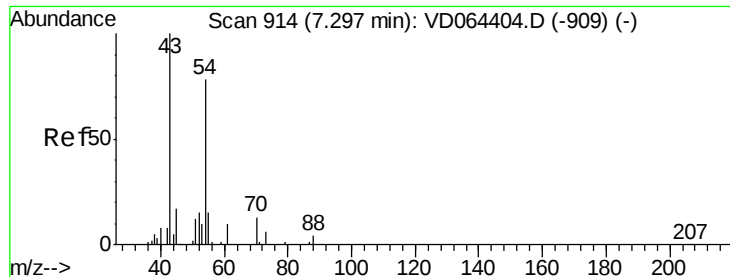


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

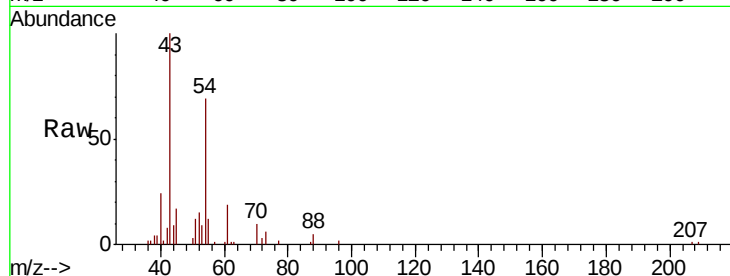




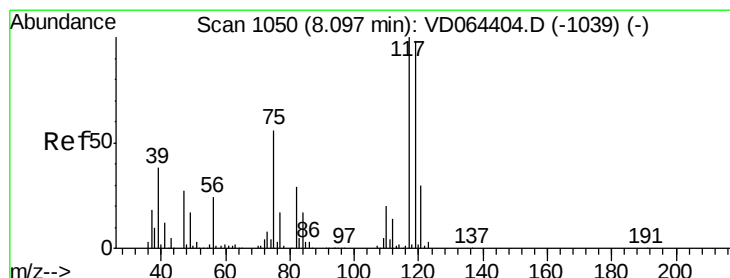
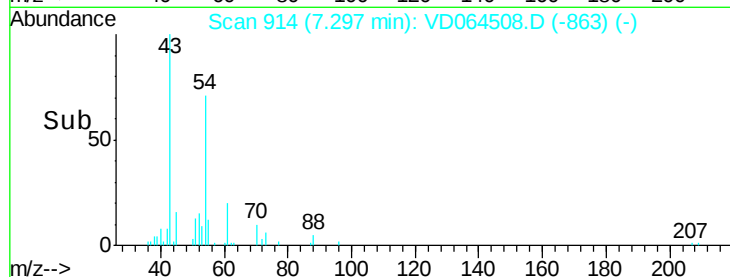
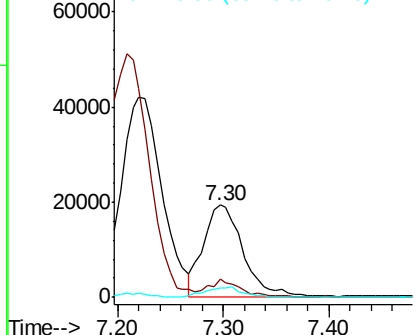
#37
Ethyl Acetate
Concen: 19.762 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion: 43 Resp: 50043
Ion Ratio Lower Upper
43 100
61 17.0 10.9 16.3#
70 10.4 8.3 12.5

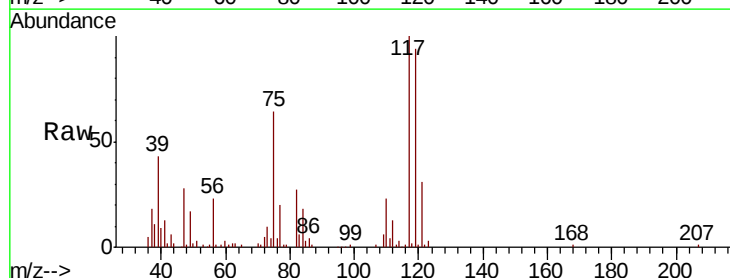


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

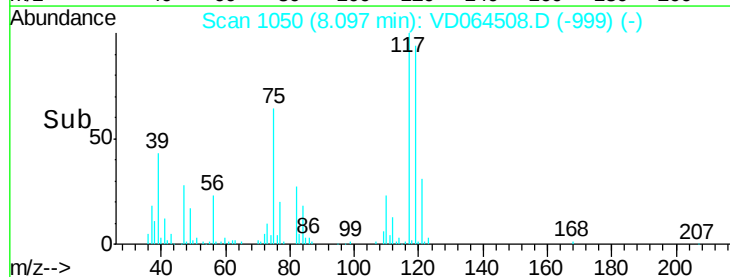
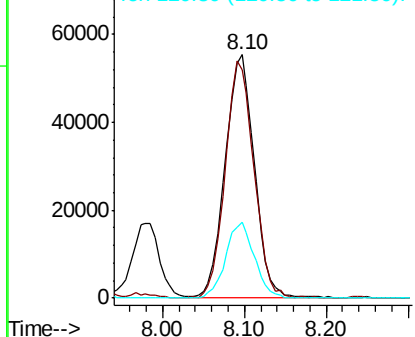


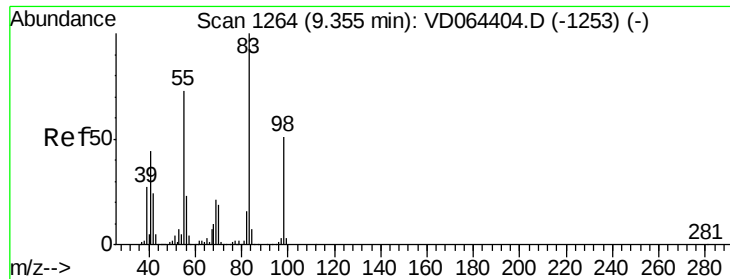
#38
Carbon Tetrachloride
Concen: 21.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 117 Resp: 138044
Ion Ratio Lower Upper
117 100
119 93.7 78.8 118.2
121 31.1 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

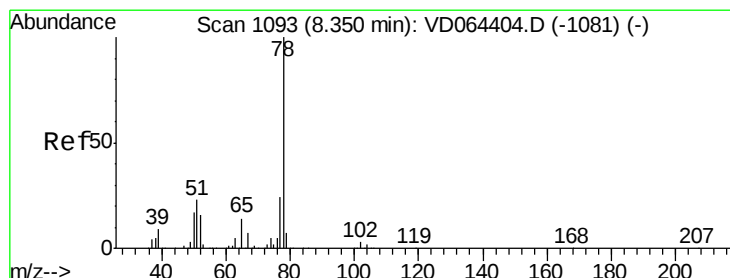
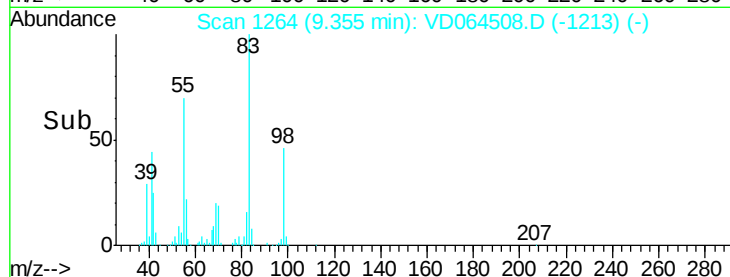
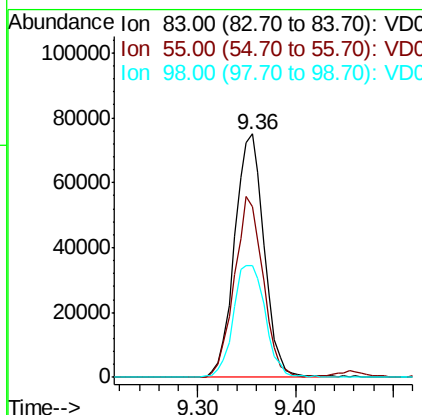
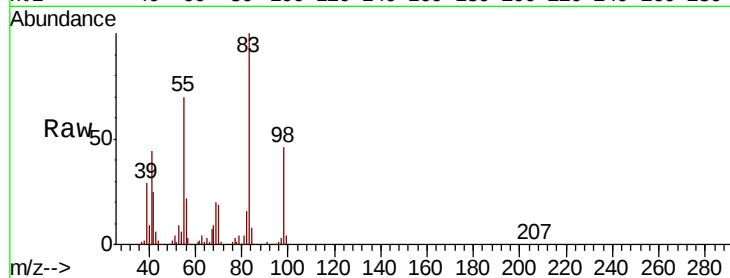




#39
Methylcyclohexane
Concen: 21.335 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

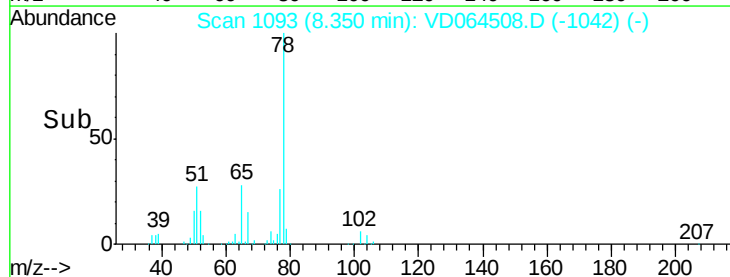
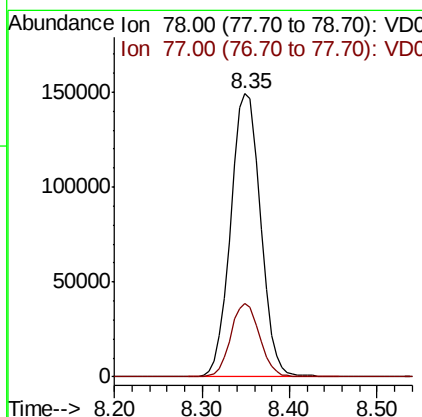
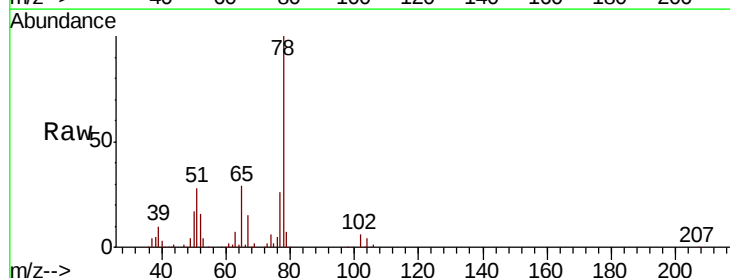
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

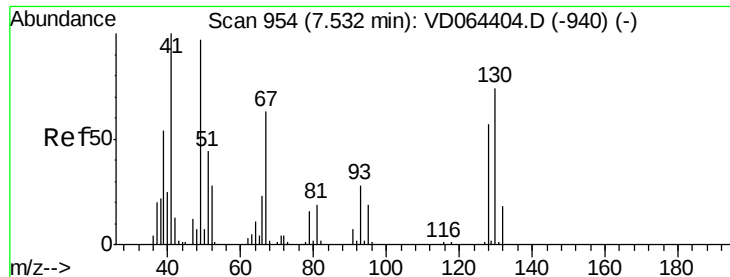
Tgt Ion: 83 Resp: 157938
Ion Ratio Lower Upper
83 100
55 70.0 58.6 87.8
98 46.1 40.9 61.3



#40
Benzene
Concen: 20.894 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 78 Resp: 346321
Ion Ratio Lower Upper
78 100
77 25.8 19.6 29.4

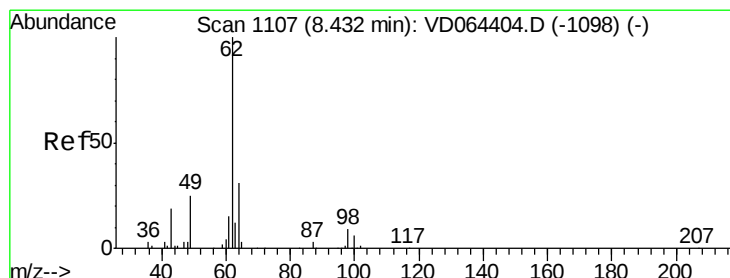
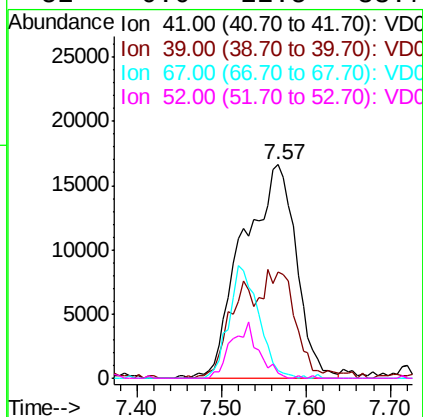
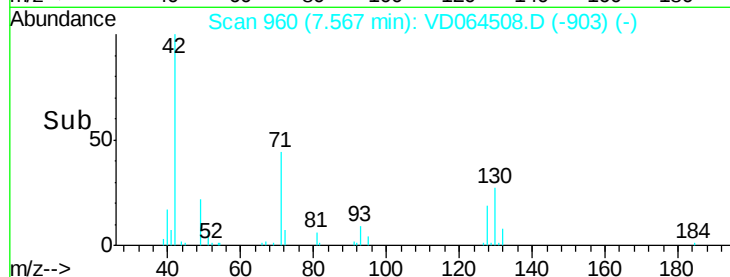
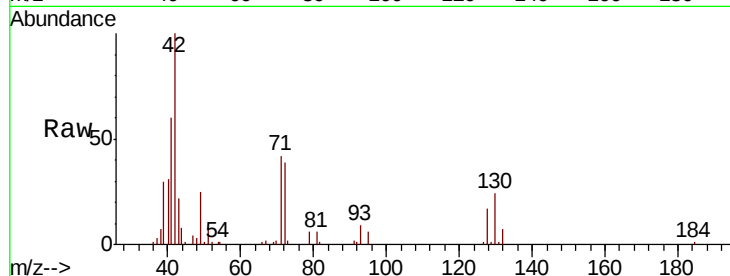




#41
Methacrylonitrile
Concen: 49.952 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.04 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

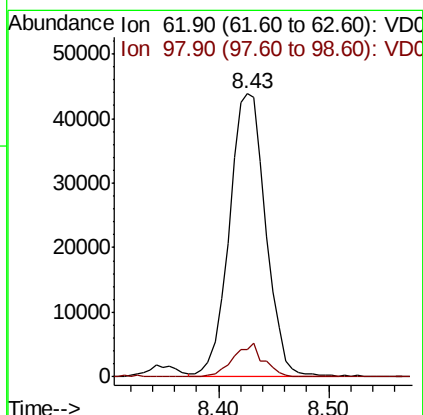
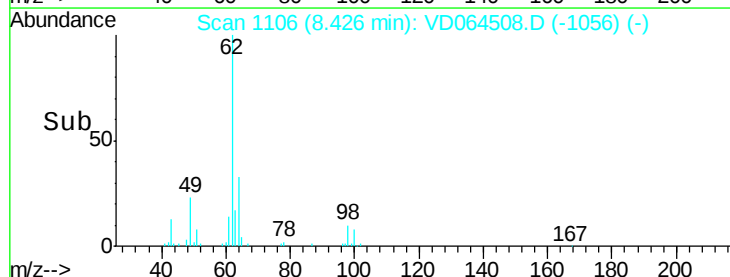
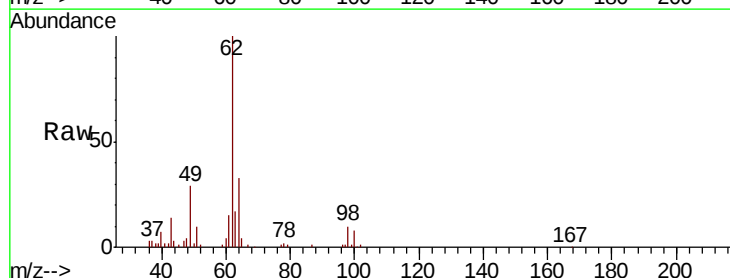
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

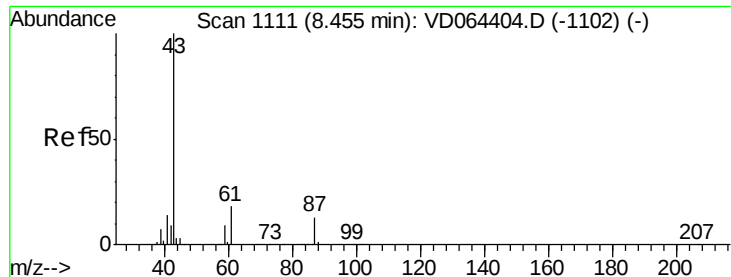
Tgt Ion: 41 Resp: 72542
Ion Ratio Lower Upper
41 100
39 24.2 44.6 67.0#
67 0.0 50.9 76.3#
52 0.0 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 20.985 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 62 Resp: 101436
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.930 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

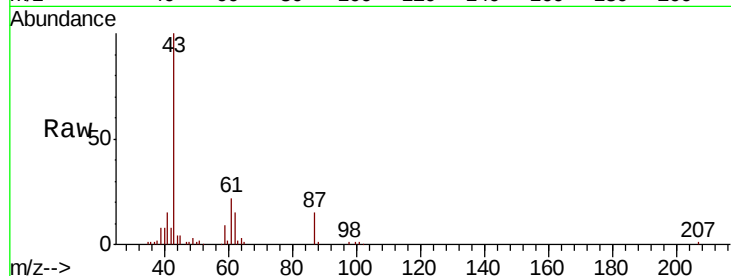
Tgt Ion: 43 Resp: 104211

Ion Ratio Lower Upper

43 100

61 29.3 24.0 36.0

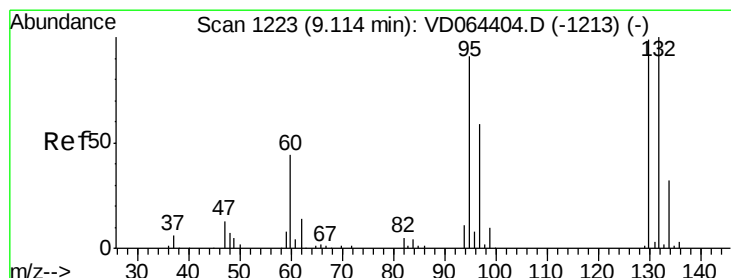
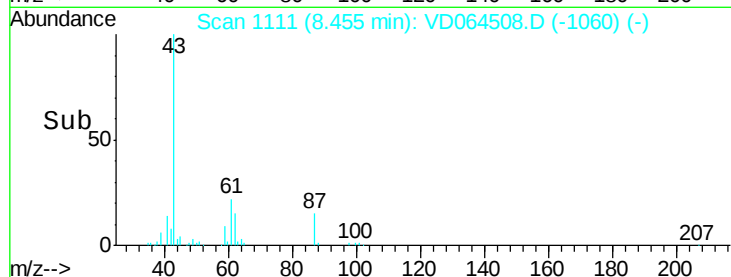
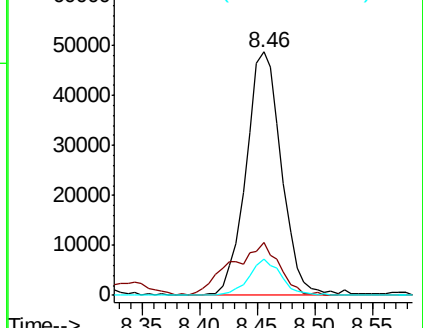
87 13.3 10.6 15.8



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: 20.760 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064508.D

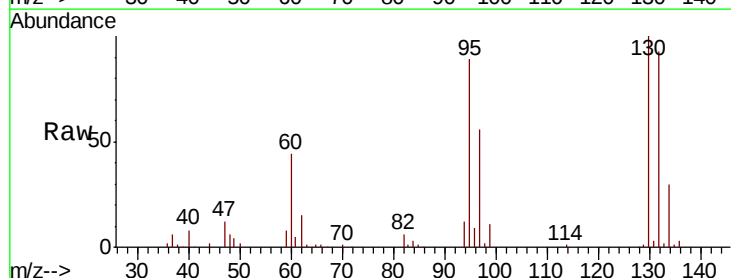
Acq: 13 Dec 2019 15:54

Tgt Ion: 130 Resp: 103654

Ion Ratio Lower Upper

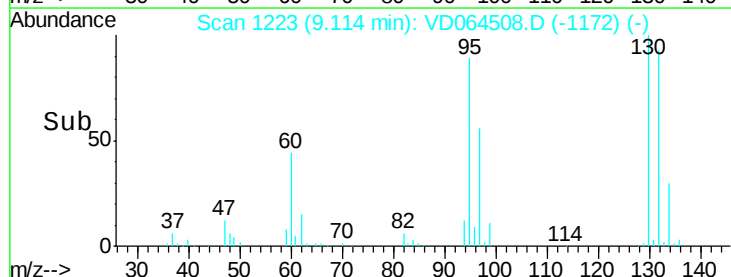
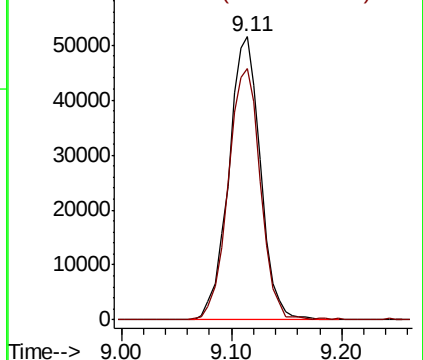
130 100

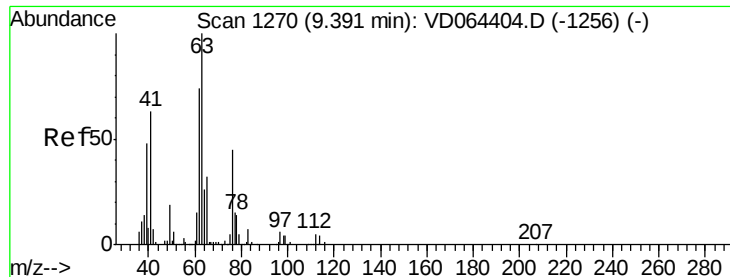
95 88.7 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

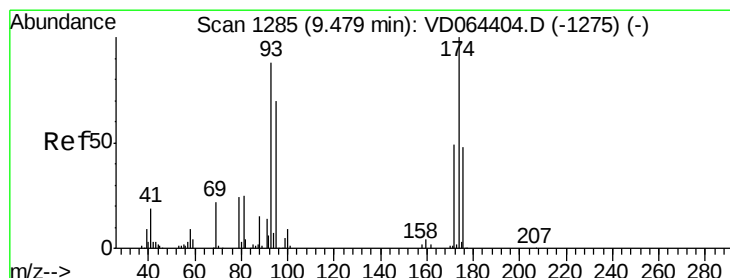
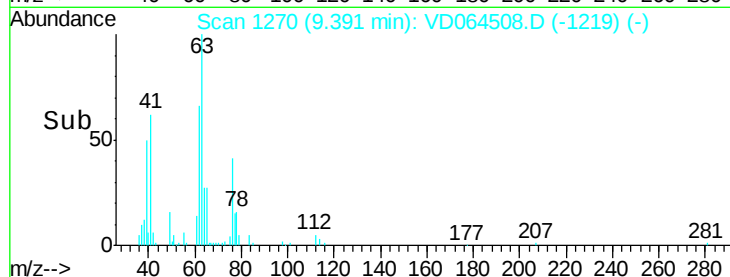
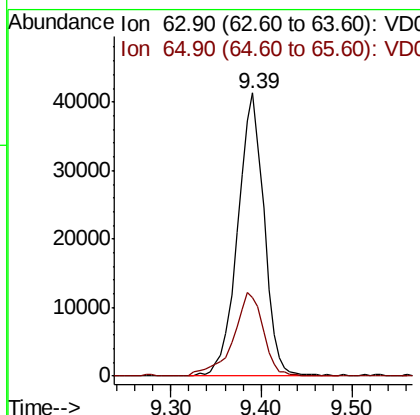
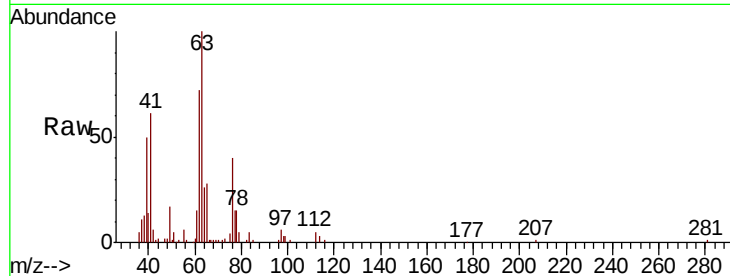




#45
 1,2-Dichloropropane
 Concen: 21.083 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

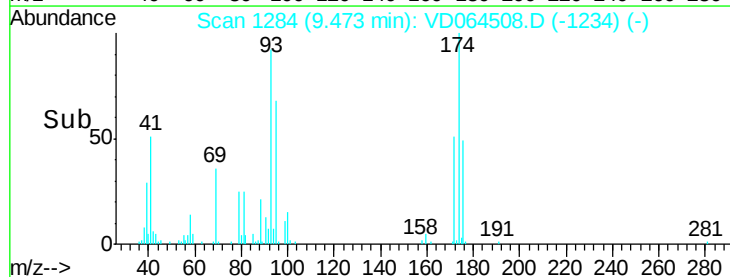
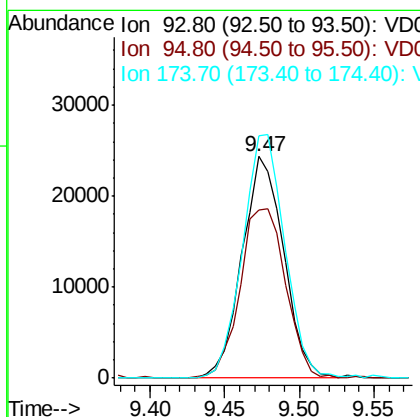
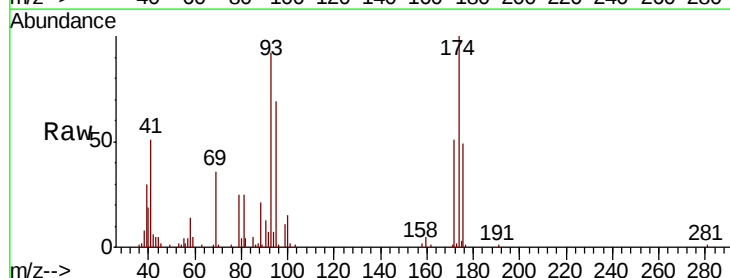
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

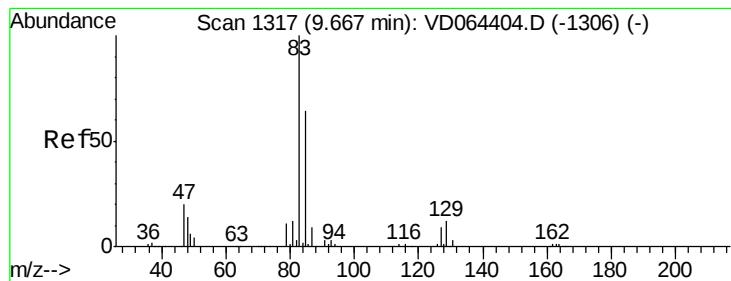
Tgt Ion: 63 Resp: 83577
 Ion Ratio Lower Upper
 63 100
 65 27.9 25.4 38.0



#46
 Dibromomethane
 Concen: 21.059 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 93 Resp: 47116
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 111.3 92.3 138.5





#47

Bromodichloromethane

Concen: 21.313 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

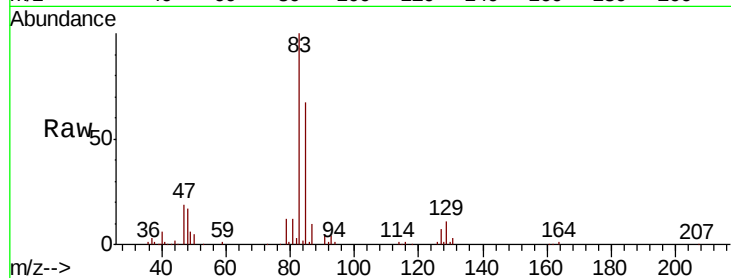
Tgt Ion: 83 Resp: 122525

Ion Ratio Lower Upper

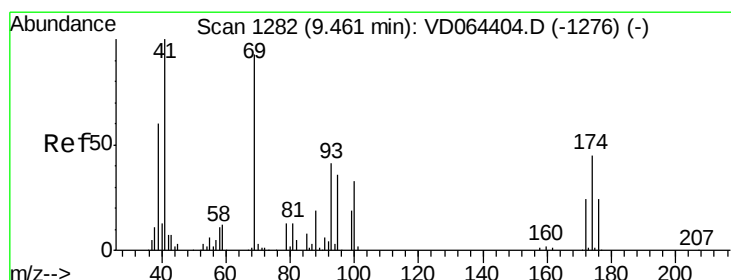
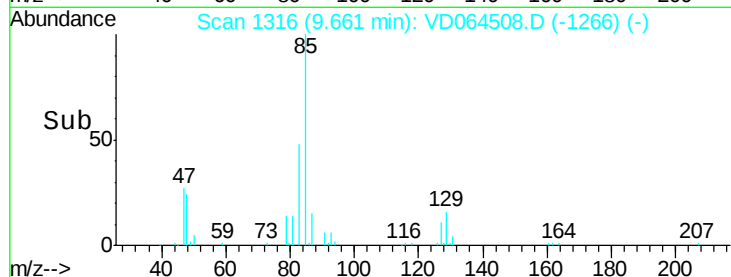
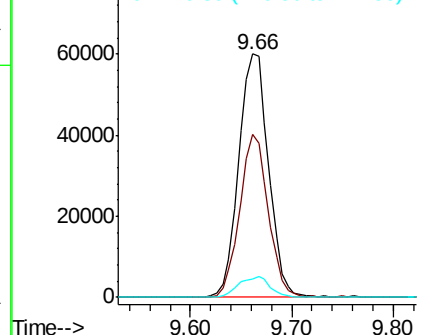
83 100

85 66.8 51.1 76.7

127 7.3 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: 20.648 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

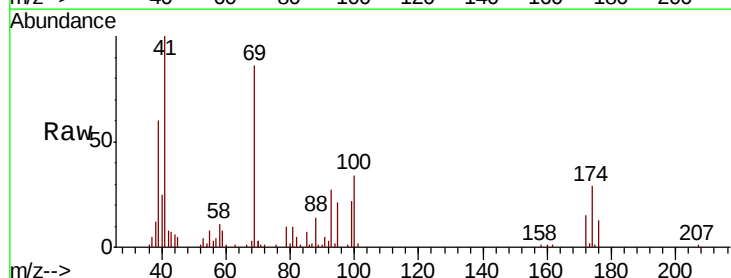
Tgt Ion: 41 Resp: 47044

Ion Ratio Lower Upper

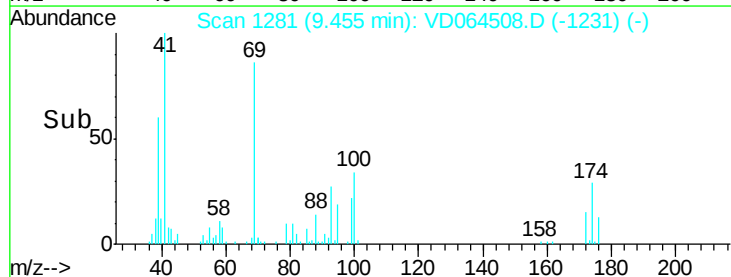
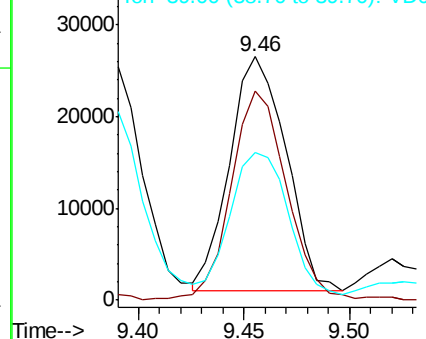
41 100

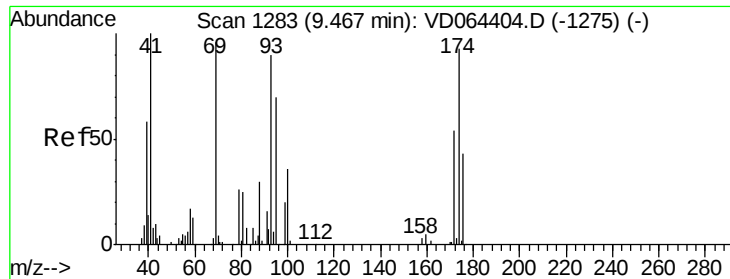
69 88.3 72.0 108.0

39 62.1 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

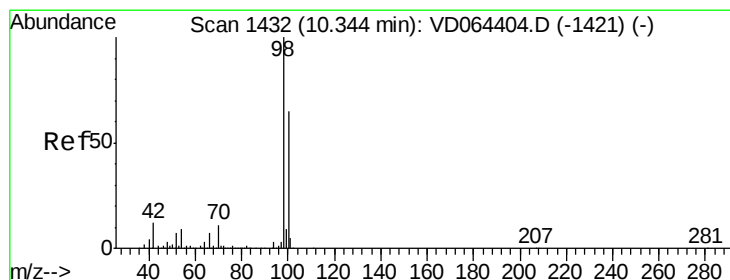
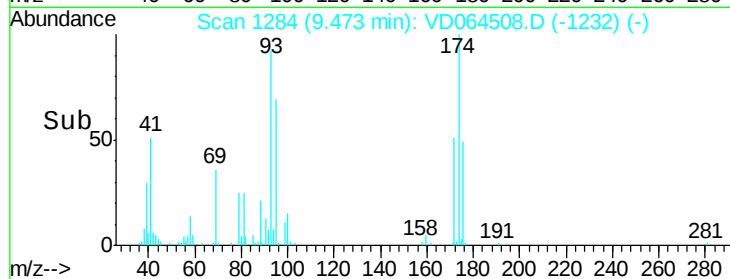
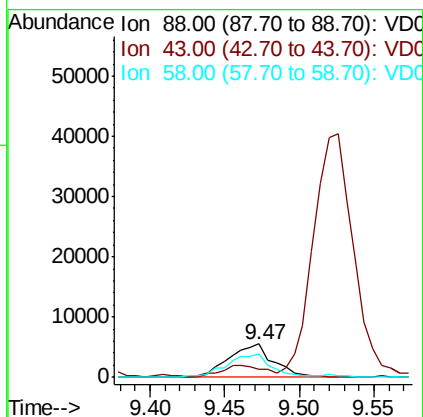
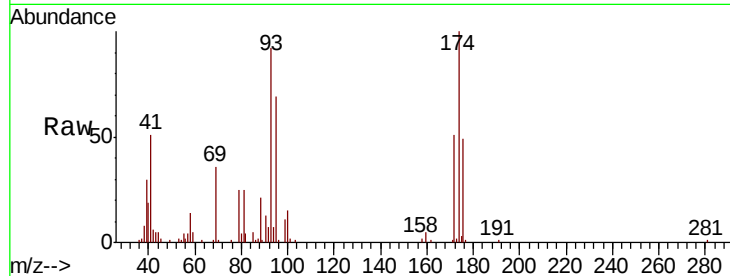




#49
1,4-Dioxane
Concen: 413.496 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

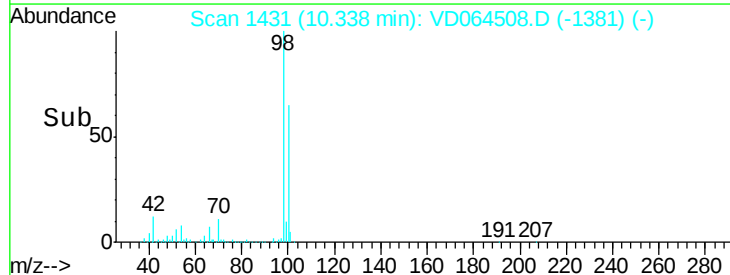
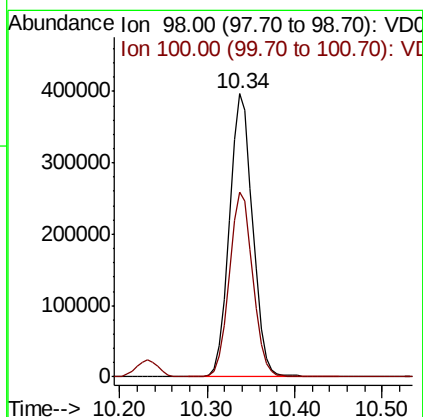
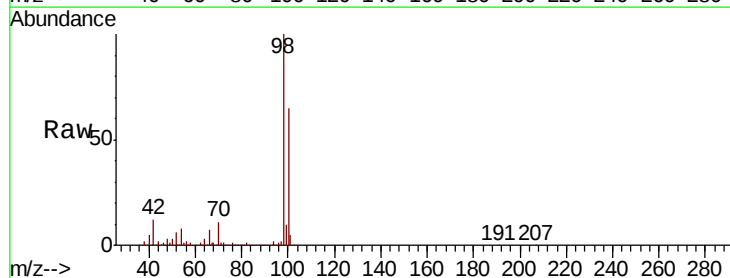
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

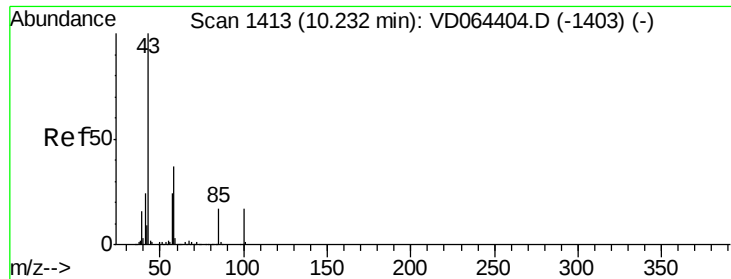
Tgt Ion: 88 Resp: 11424
Ion Ratio Lower Upper
88 100
43 35.9 26.7 40.1
58 72.0 52.3 78.5



#50
Toluene-d8
Concen: 47.914 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 98 Resp: 717479
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0

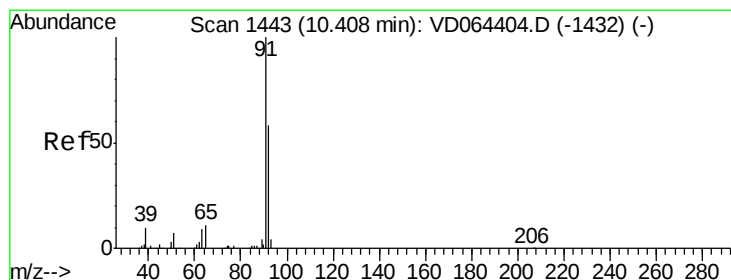
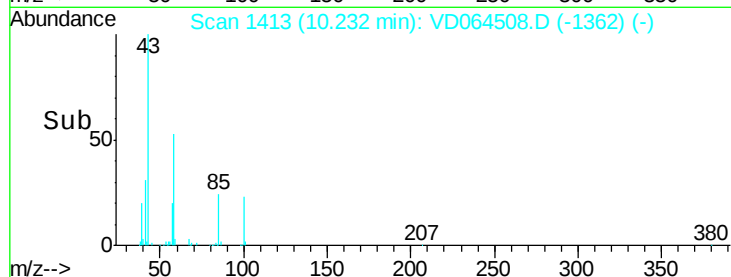
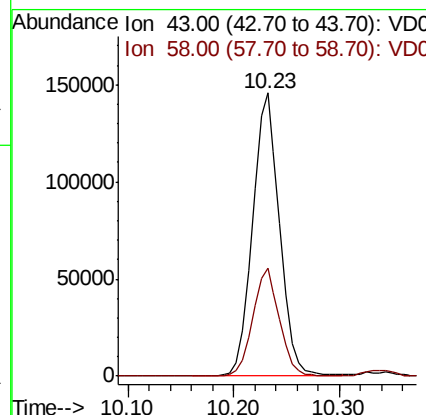
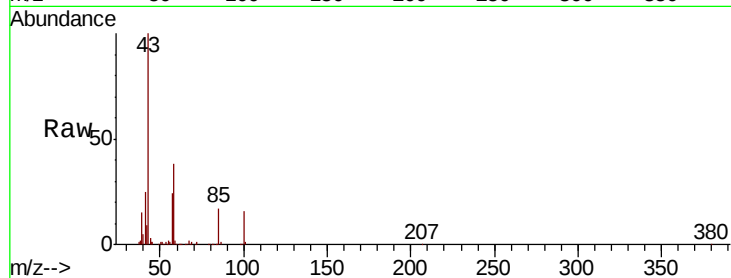




#51
4-Methyl-2-Pentanone
Concen: 105.051 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

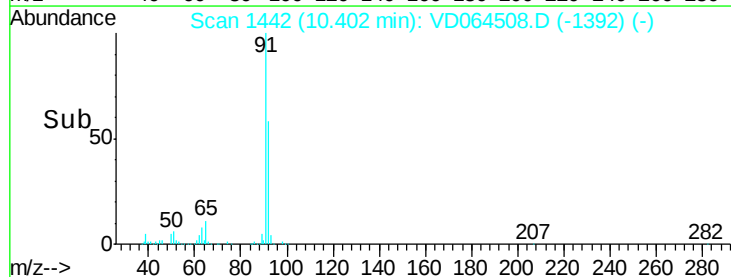
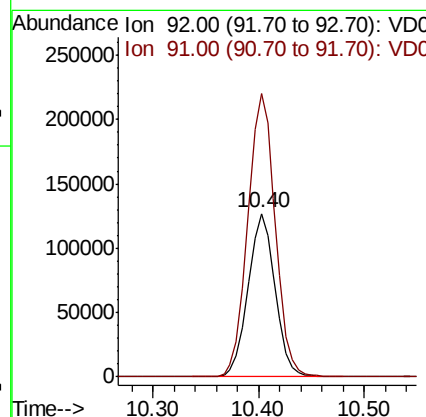
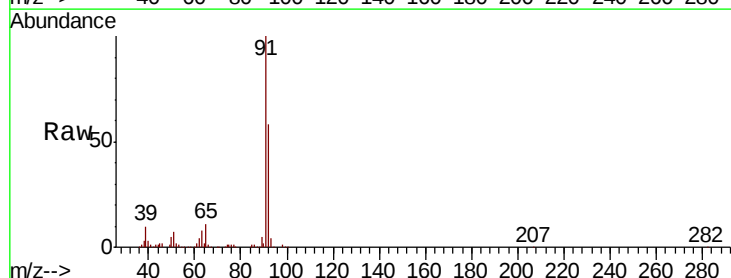
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

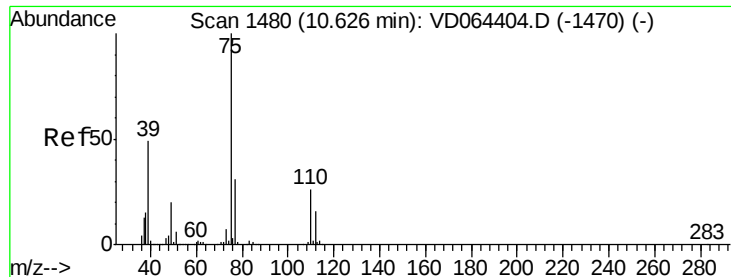
Tgt Ion: 43 Resp: 258797
Ion Ratio Lower Upper
43 100
58 37.7 30.6 46.0



#52
Toluene
Concen: 20.891 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 92 Resp: 225674
Ion Ratio Lower Upper
92 100
91 176.2 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 21.199 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

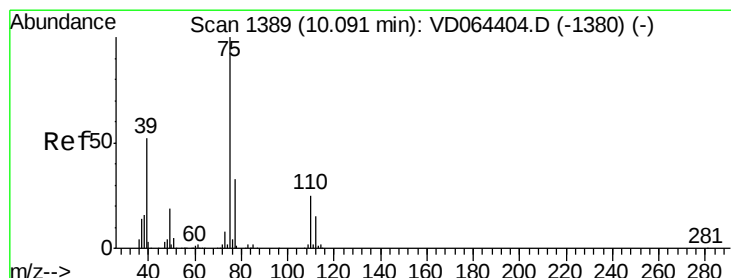
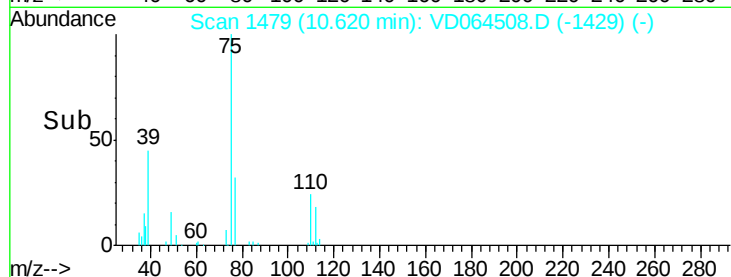
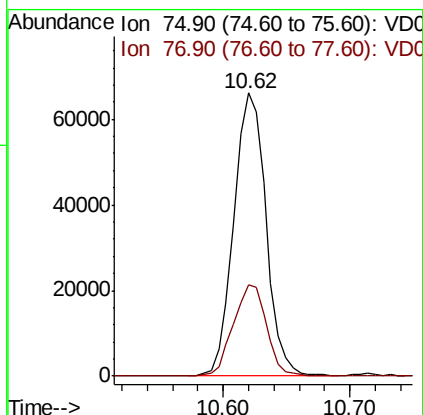
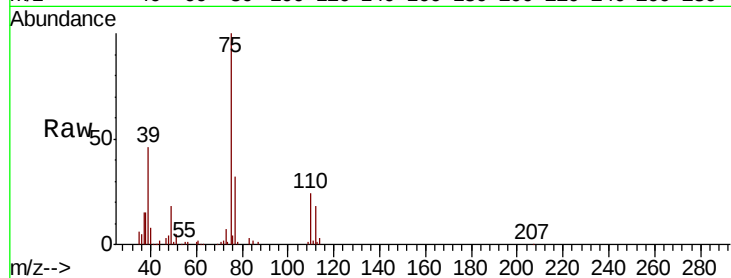
VD1213SBS01

Tgt Ion: 75 Resp: 116143

Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 21.010 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

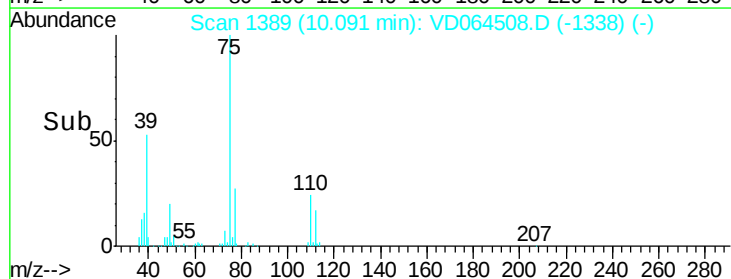
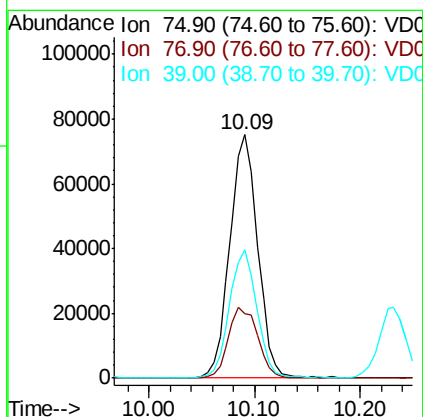
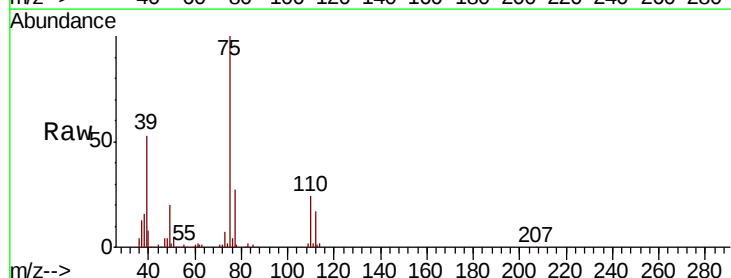
Tgt Ion: 75 Resp: 136744

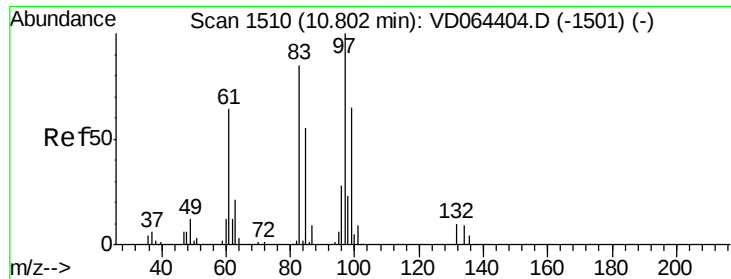
Ion Ratio Lower Upper

75 100

77 26.5 26.1 39.1

39 53.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 21.226 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

Tgt Ion: 97 Resp: 65027

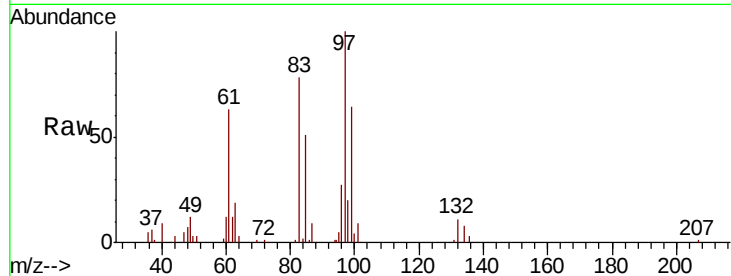
Ion Ratio Lower Upper

97 100

83 78.4 67.8 101.8

85 50.6 43.7 65.5

99 63.9 51.7 77.5

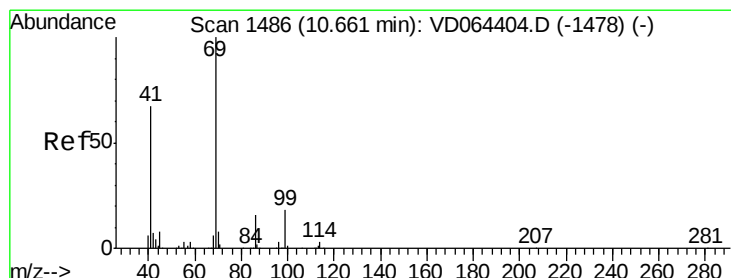
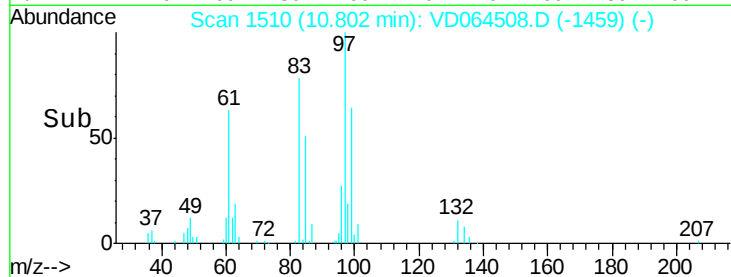
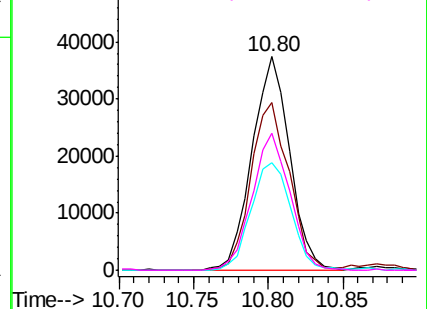


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.378 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

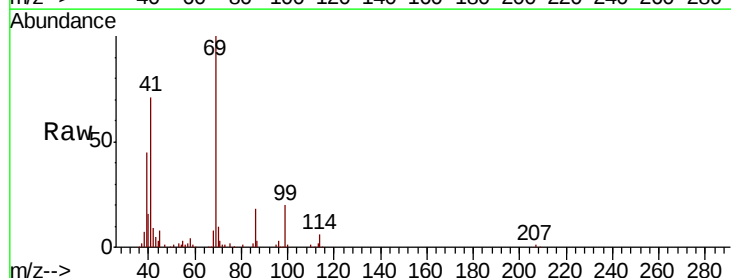
Tgt Ion: 69 Resp: 79625

Ion Ratio Lower Upper

69 100

41 67.5 55.0 82.4

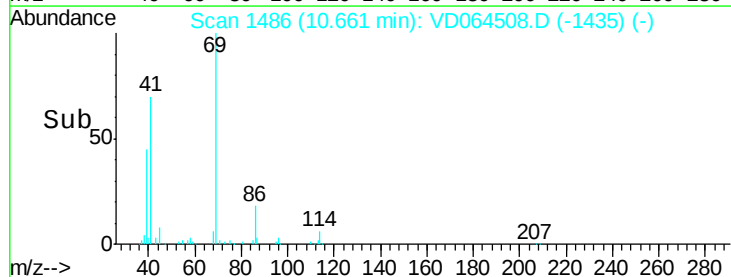
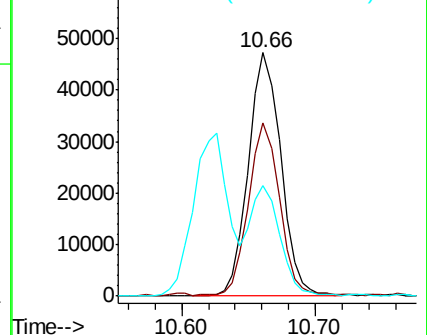
39 42.4 33.0 49.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

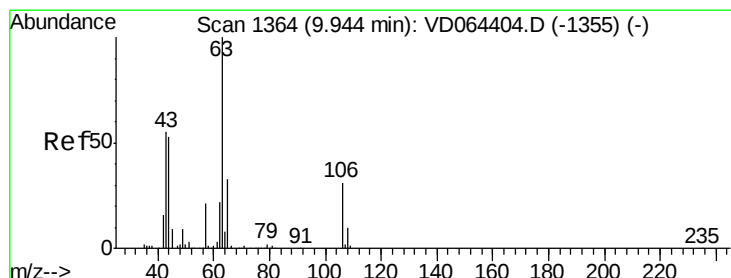
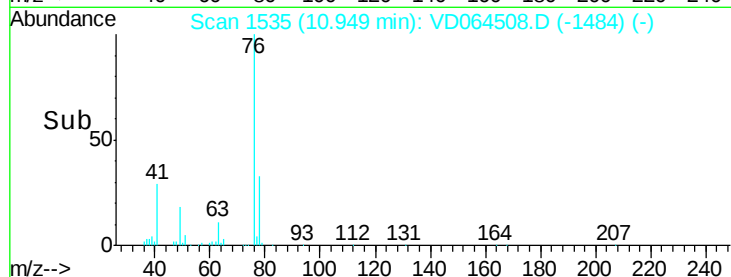
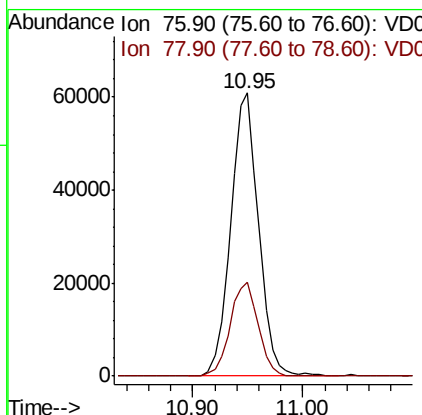
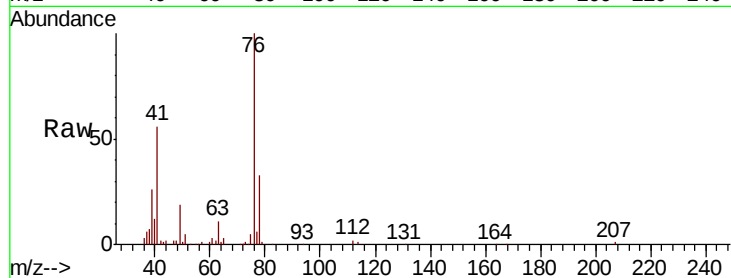




#57
 1,3-Dichloropropane
 Concen: 20.625 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

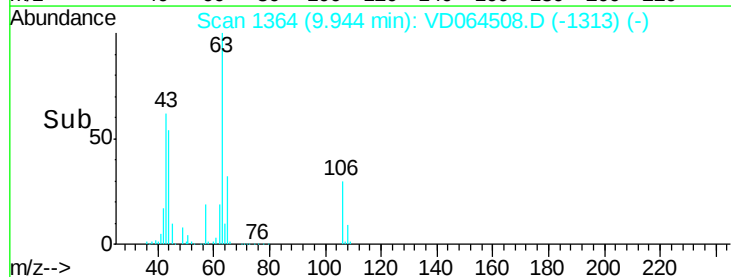
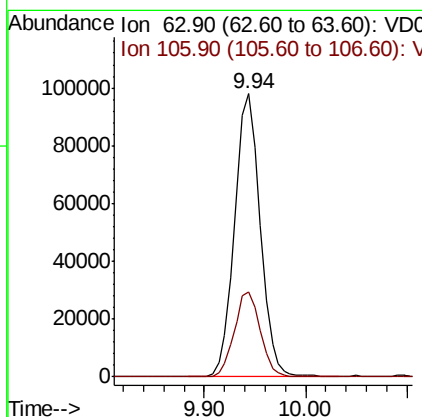
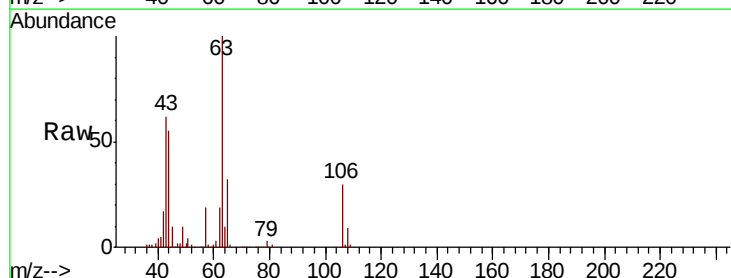
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

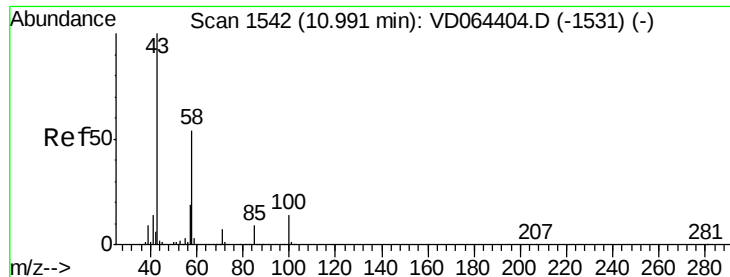
Tgt Ion: 76 Resp: 107557
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.689 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 63 Resp: 172412
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.2 36.4

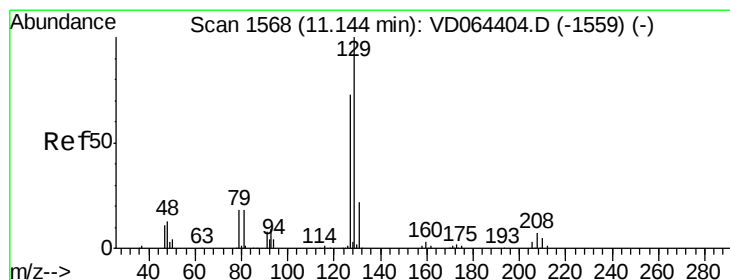
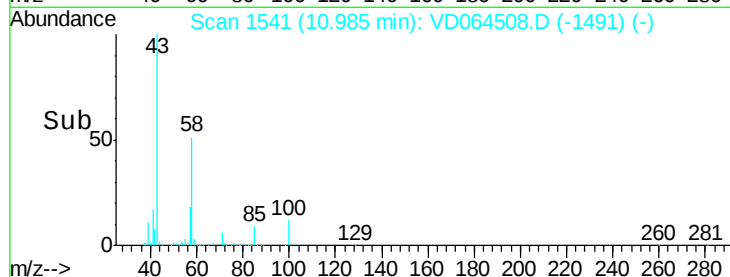
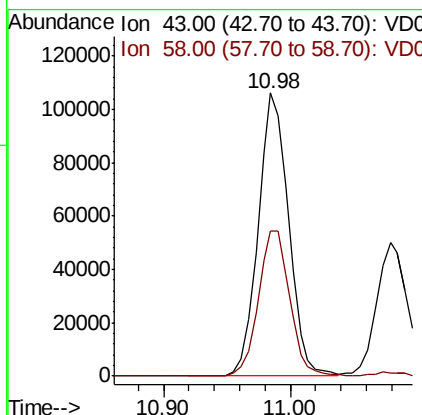
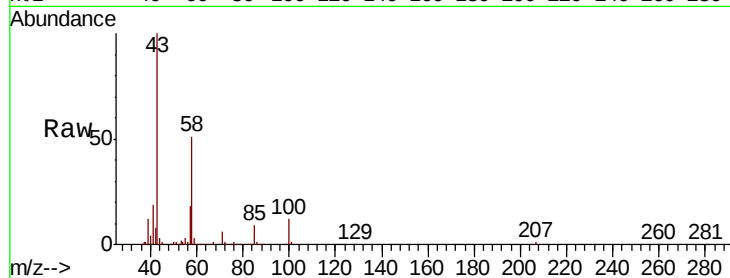




#59
2-Hexanone
Concen: 103.967 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

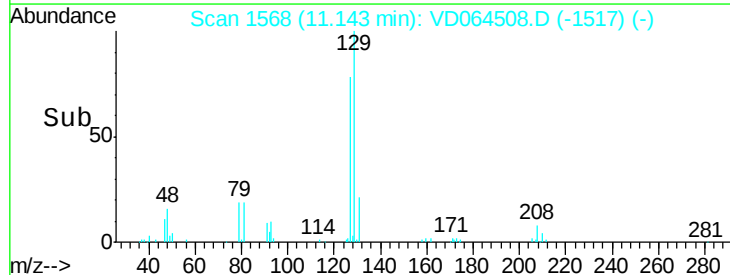
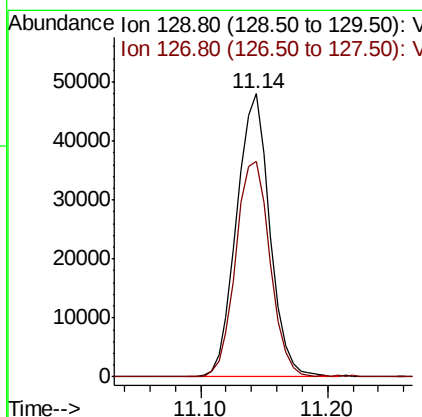
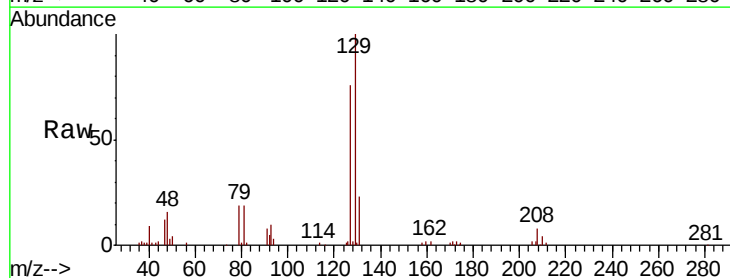
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

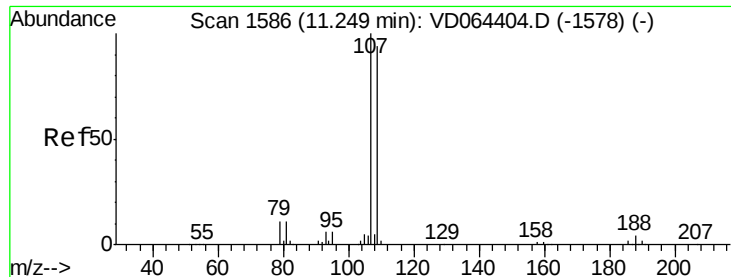
Tgt Ion: 43 Resp: 177724
Ion Ratio Lower Upper
43 100
58 53.0 26.3 78.8



#60
Dibromochloromethane
Concen: 21.067 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 129 Resp: 87508
Ion Ratio Lower Upper
129 100
127 78.3 38.1 114.3

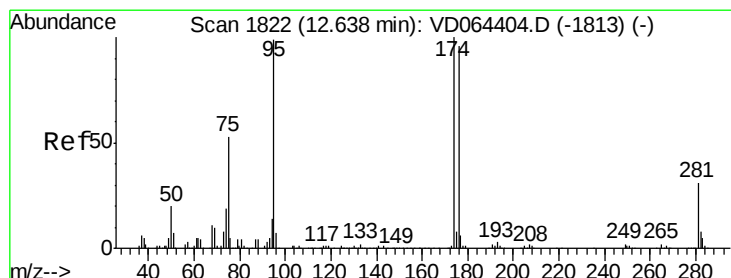
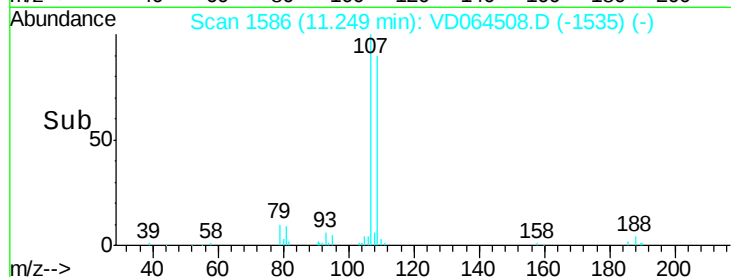
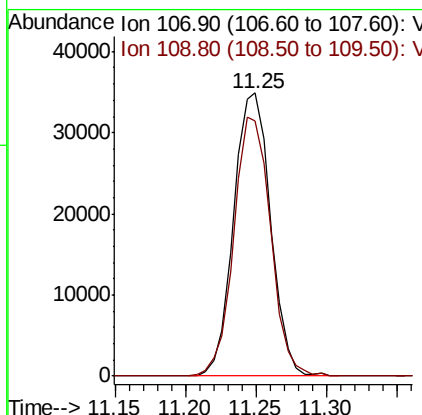
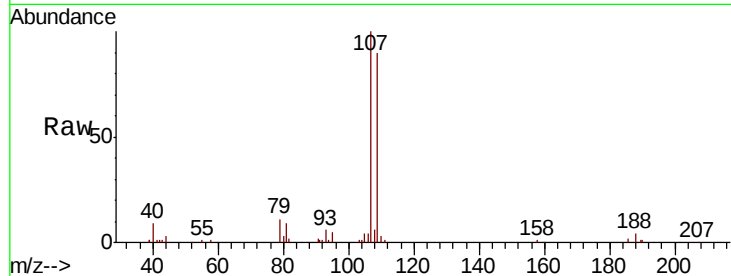




#61
 1,2-Dibromoethane
 Concen: 20.878 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

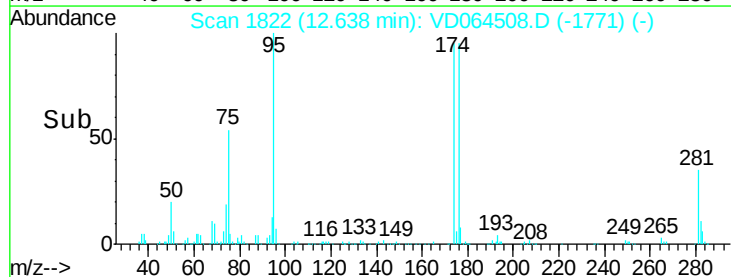
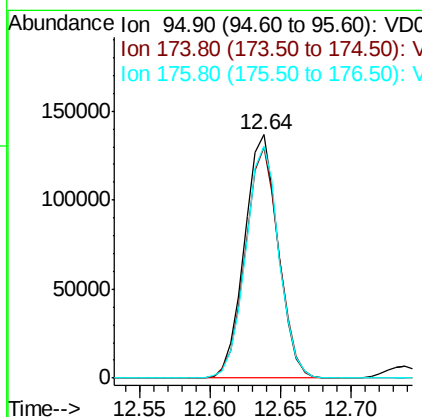
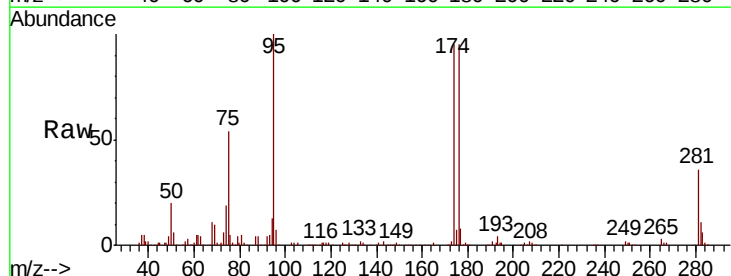
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

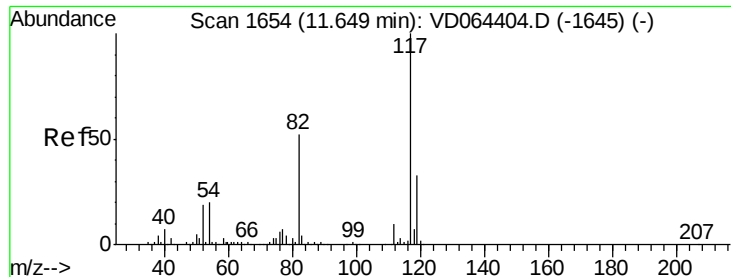
Tgt Ion: 107 Resp: 63863
 Ion Ratio Lower Upper
 107 100
 109 91.4 76.2 114.2



#62
 4-Bromofluorobenzene
 Concen: 47.527 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 95 Resp: 228718
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 197.2
 176 94.4 0.0 189.6

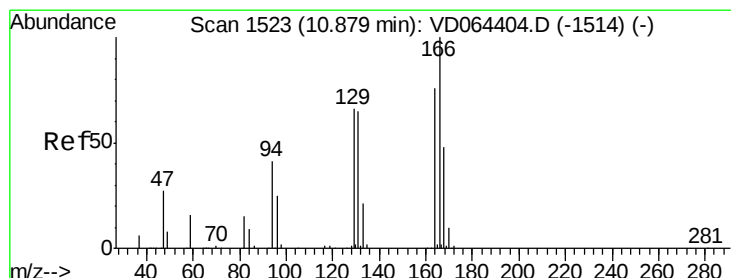
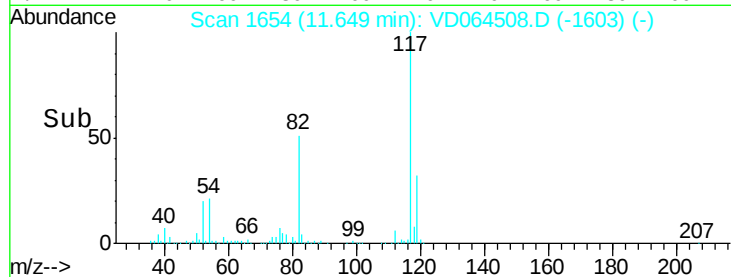
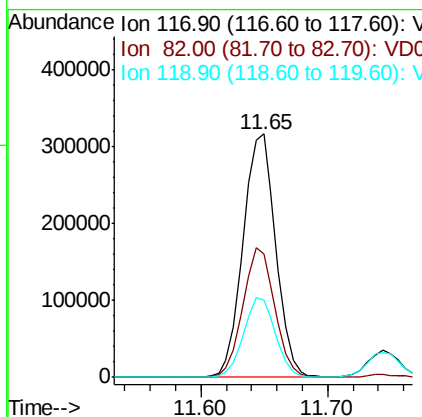
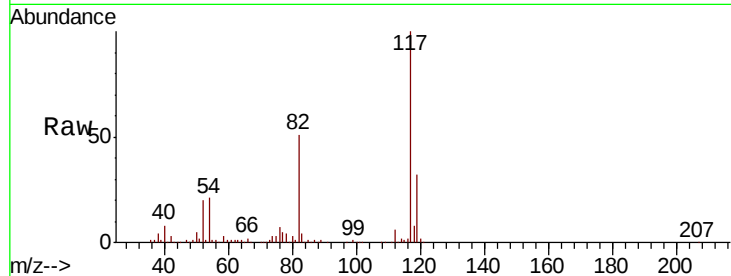




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

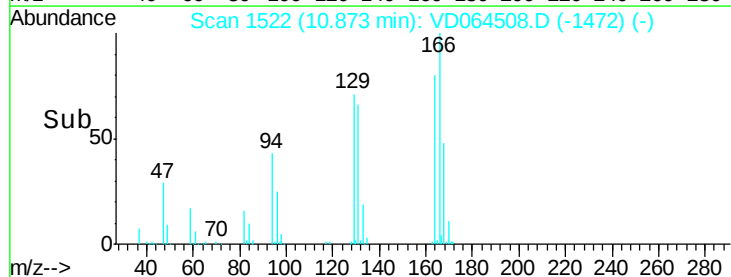
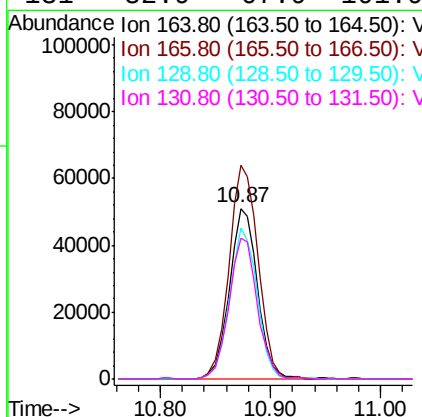
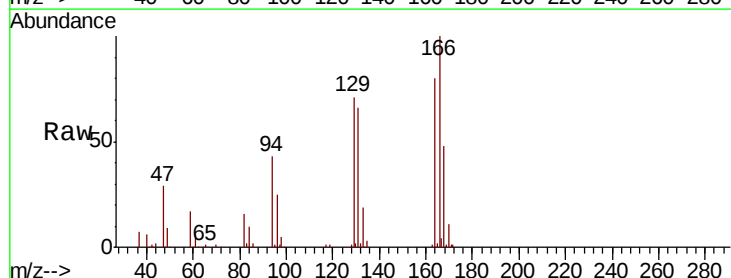
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion:117 Resp: 565598
Ion Ratio Lower Upper
117 100
82 50.8 41.4 62.2
119 31.9 26.2 39.2



#64
Tetrachloroethene
Concen: 21.130 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion:164 Resp: 91135
Ion Ratio Lower Upper
164 100
166 125.3 104.8 157.2
129 88.6 68.7 103.1
131 82.9 67.9 101.9

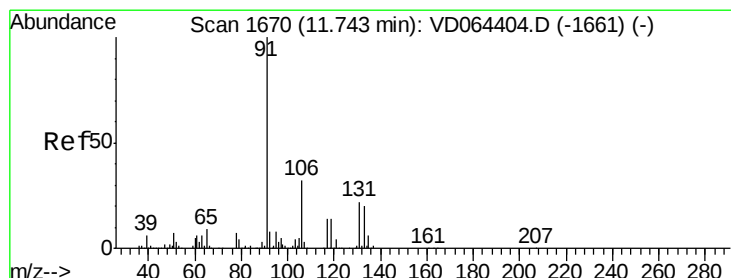
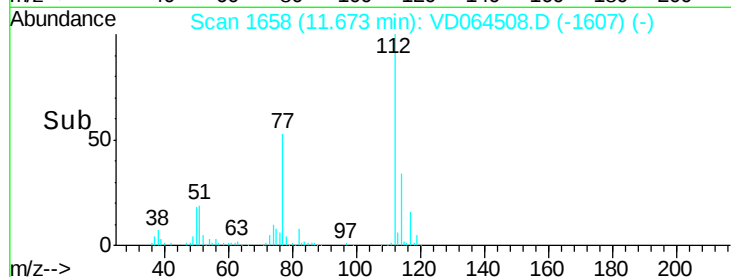
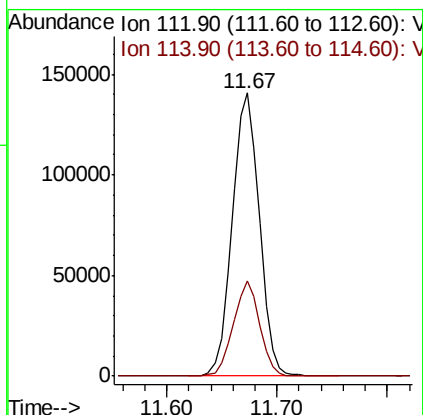
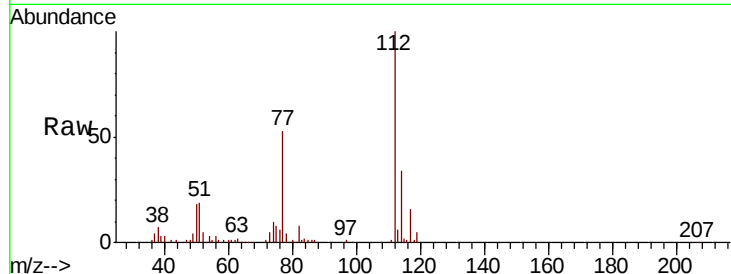




#65
Chlorobenzene
Concen: 20.583 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

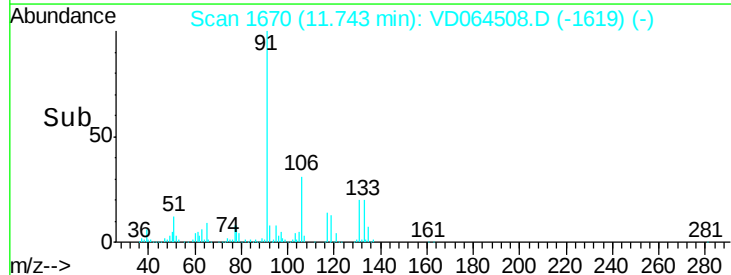
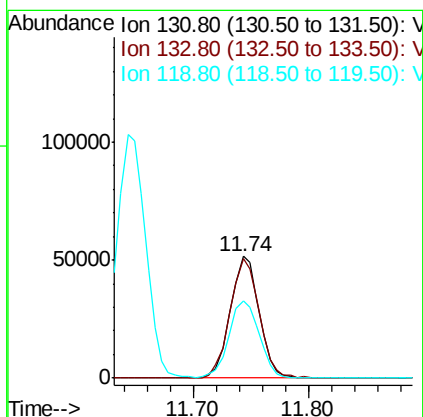
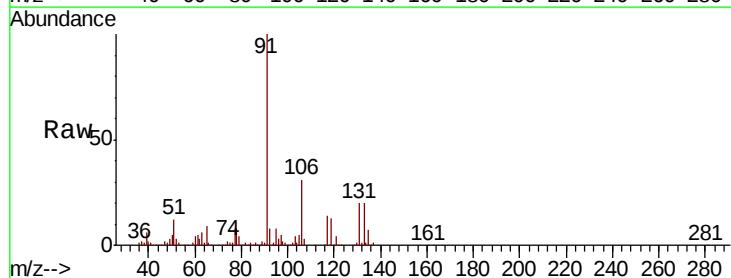
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

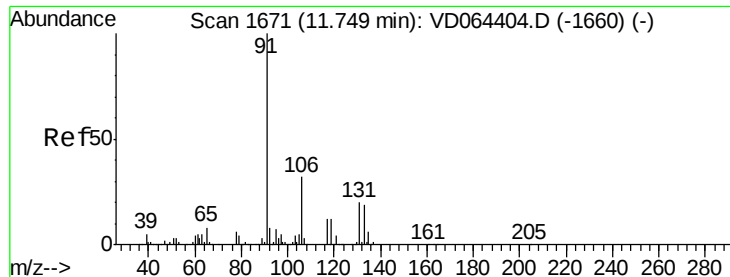
Tgt Ion:112 Resp: 242812
Ion Ratio Lower Upper
112 100
114 33.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.359 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion:131 Resp: 88907
Ion Ratio Lower Upper
131 100
133 100.3 48.3 144.9
119 67.3 31.9 95.9

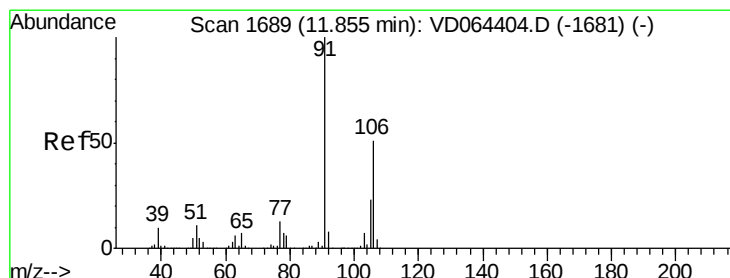
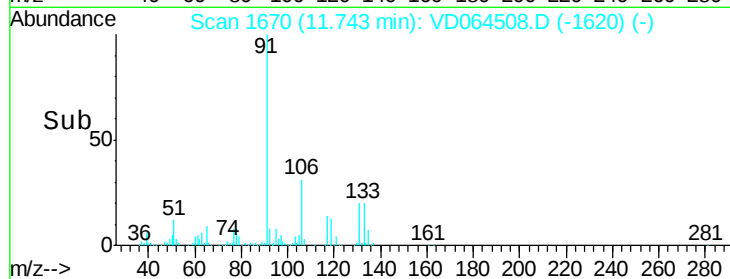
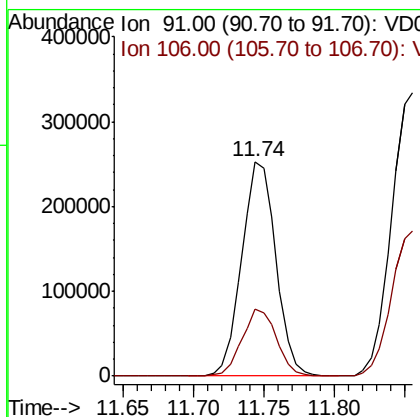
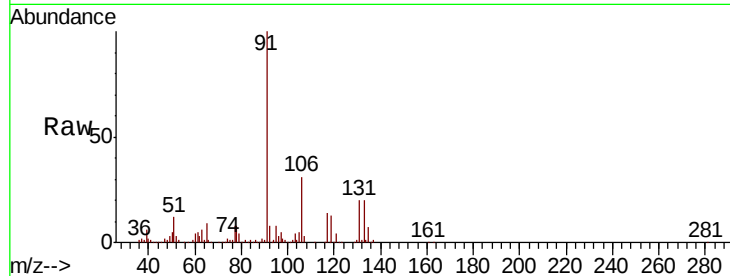




#67
Ethyl Benzene
Concen: 20.500 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

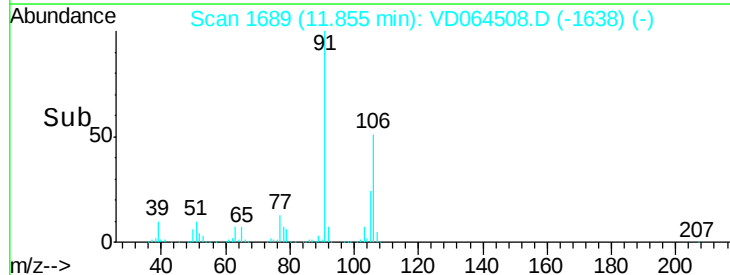
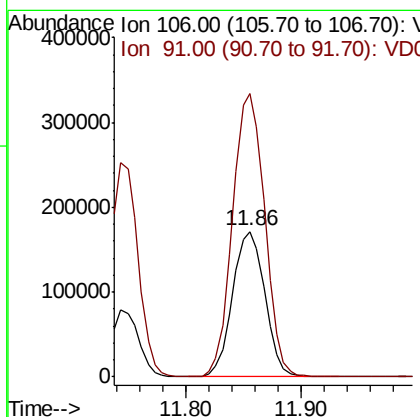
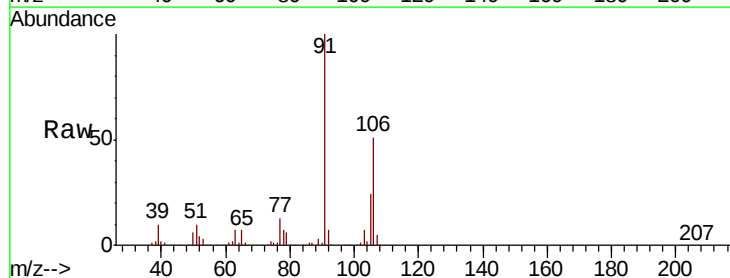
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

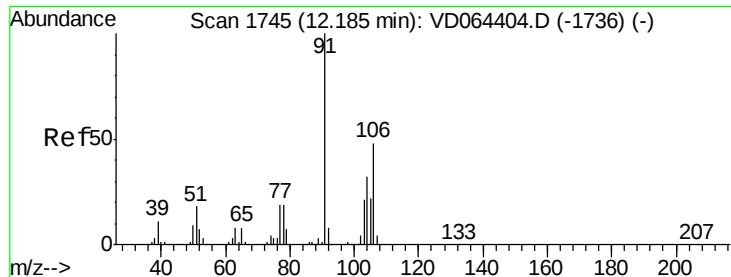
Tgt Ion: 91 Resp: 430279
Ion Ratio Lower Upper
91 100
106 31.1 25.8 38.8



#68
m/p-Xylenes
Concen: 41.442 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion: 106 Resp: 331648
Ion Ratio Lower Upper
106 100
91 195.0 157.4 236.2

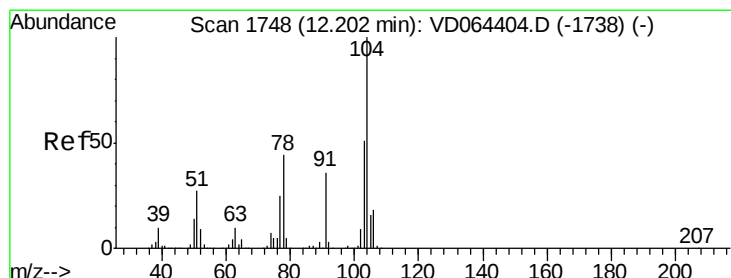
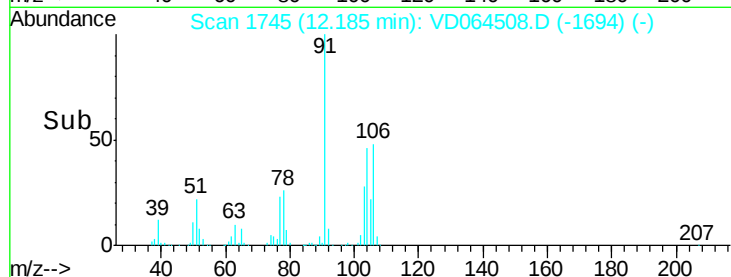
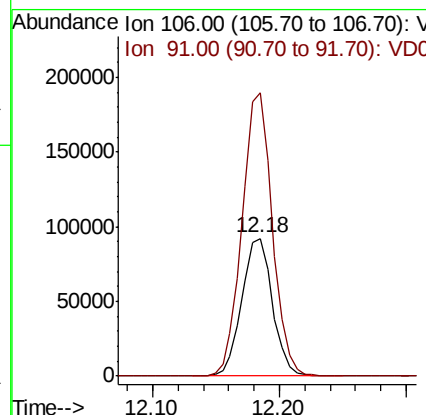
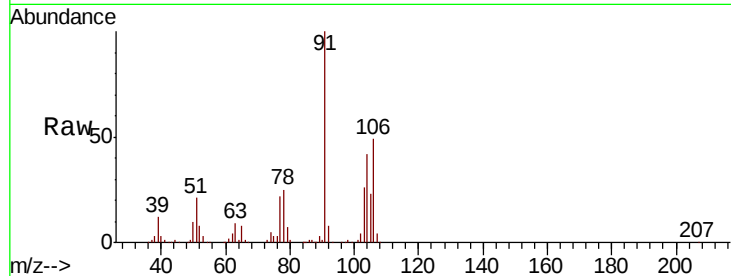




#69
o-Xylene
Concen: 20.839 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

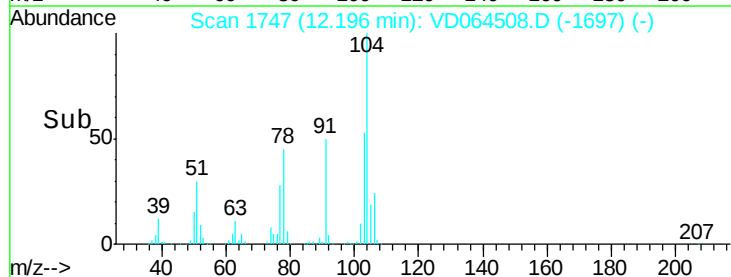
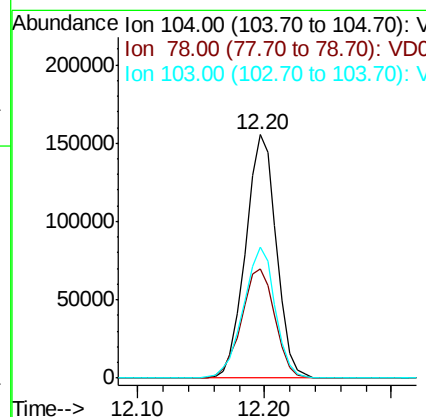
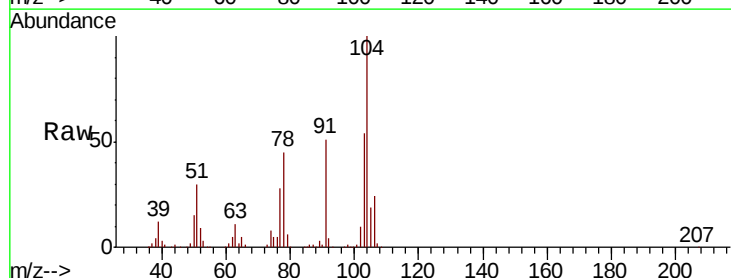
Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

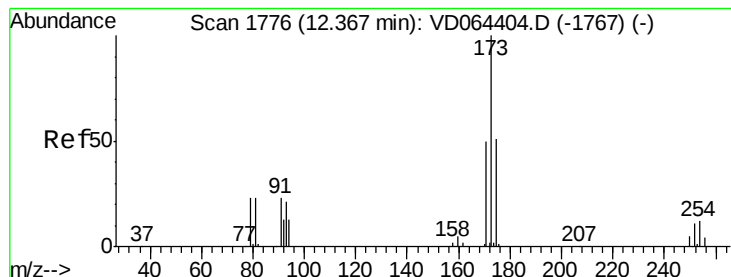
Tgt Ion:106 Resp: 154024
Ion Ratio Lower Upper
106 100
91 203.7 103.8 311.4



#70
Styrene
Concen: 20.385 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion:104 Resp: 261817
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 55.7 44.2 66.4





#71

Bromoform

Concen: 20.630 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

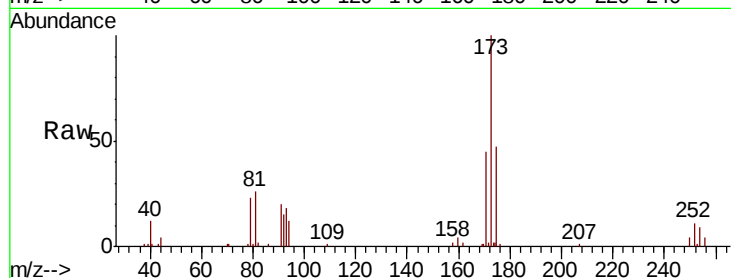
Tgt Ion:173 Resp: 53899

Ion Ratio Lower Upper

173 100

175 50.0 25.3 75.8

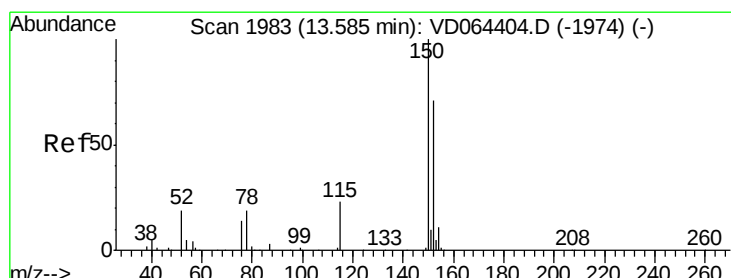
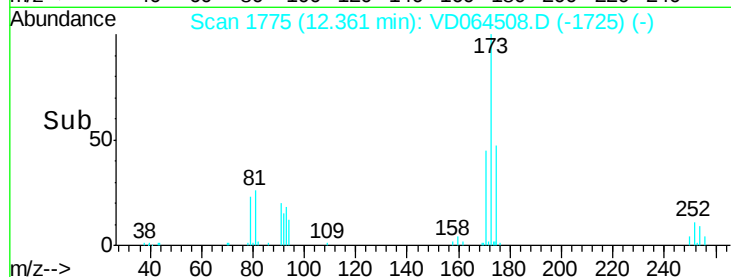
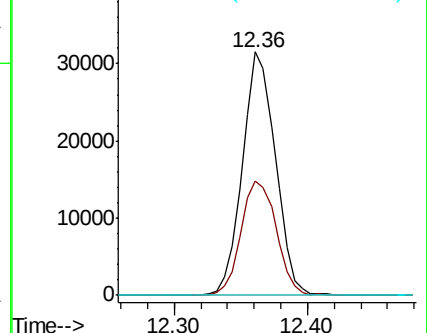
254 0.0 0.0 0.0



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: VD064508.D

Acq: 13 Dec 2019 15:54

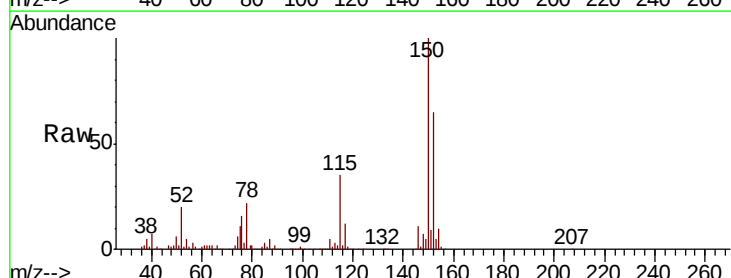
Tgt Ion:152 Resp: 279015

Ion Ratio Lower Upper

152 100

115 55.9 26.7 80.1

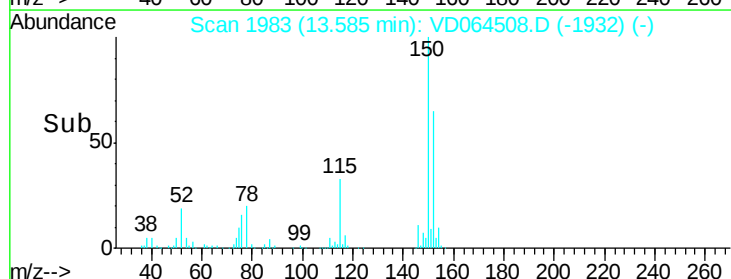
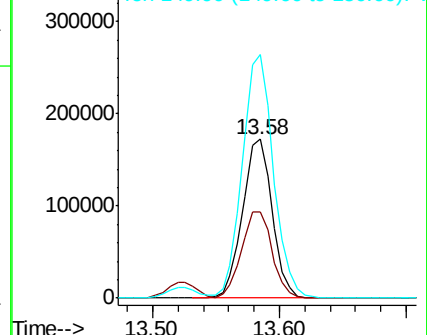
150 160.8 0.0 347.2

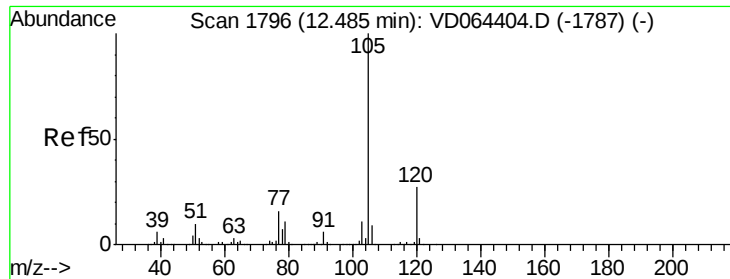


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.972 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

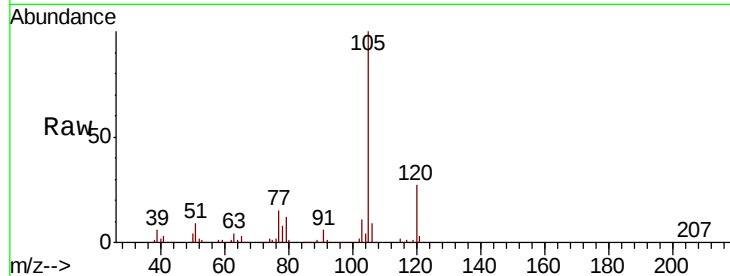
VD1213SBS01

Tgt Ion: 105 Resp: 420850

Ion Ratio Lower Upper

105 100

120 26.5 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

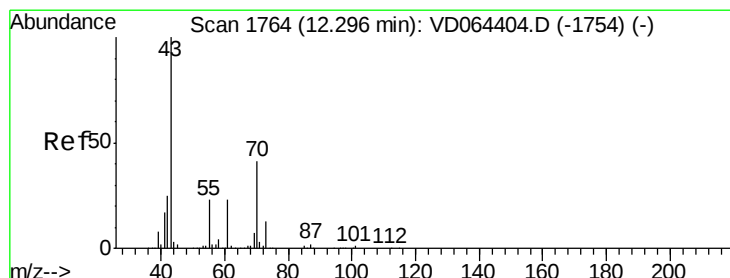
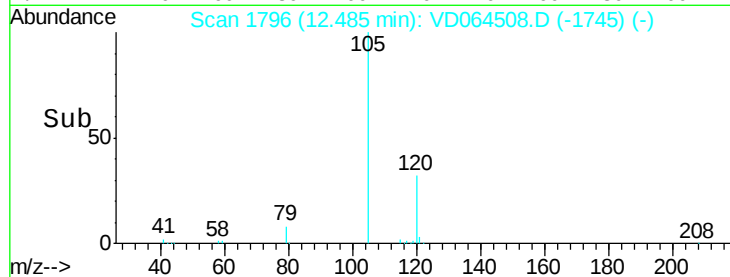
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.685 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Tgt Ion: 43 Resp: 89656

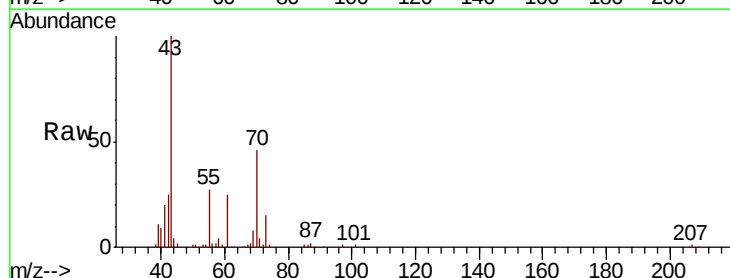
Ion Ratio Lower Upper

43 100

70 43.9 33.4 50.2

55 23.9 18.9 28.3

61 23.7 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

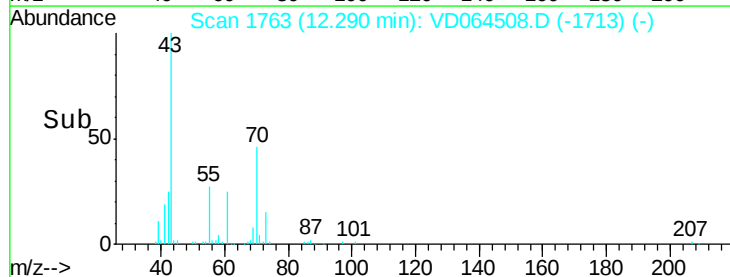
20000

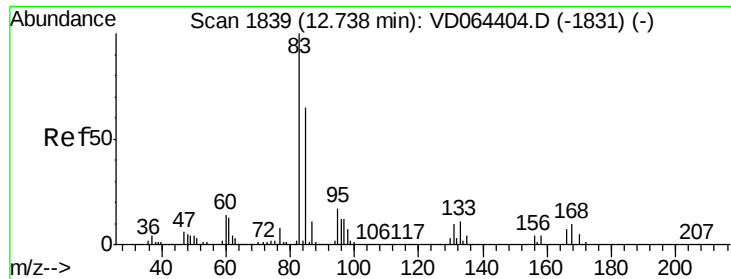
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.903 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

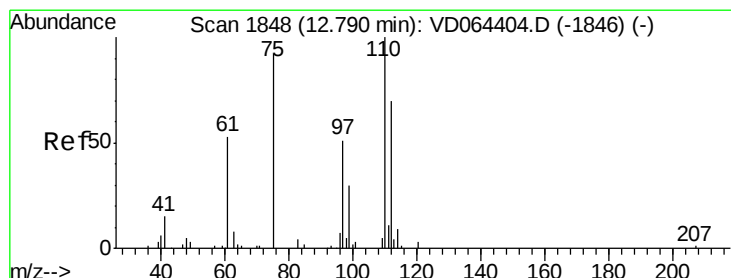
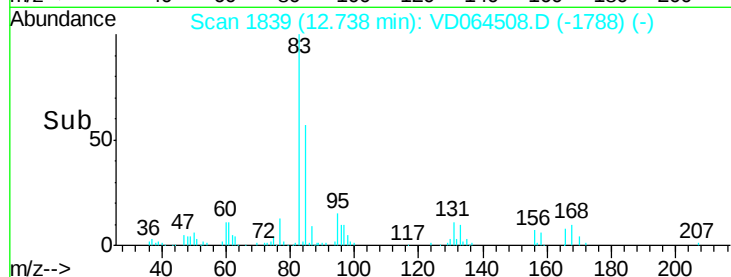
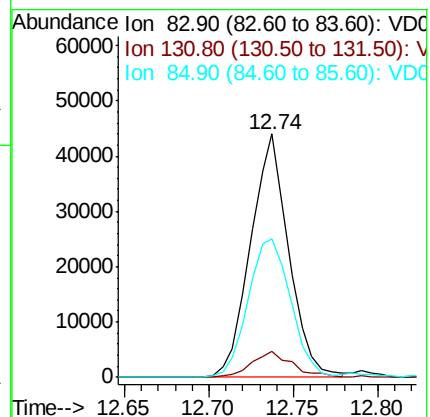
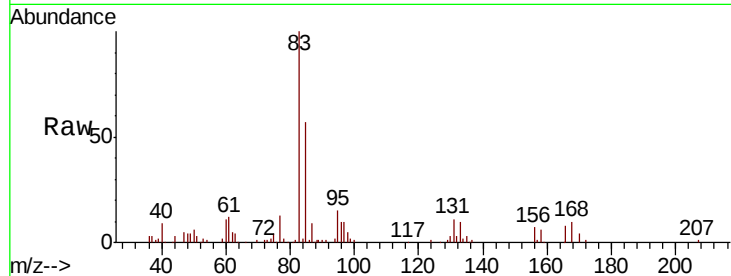
Tgt Ion: 83 Resp: 69366

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

85 63.3 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 38.982 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064508.D

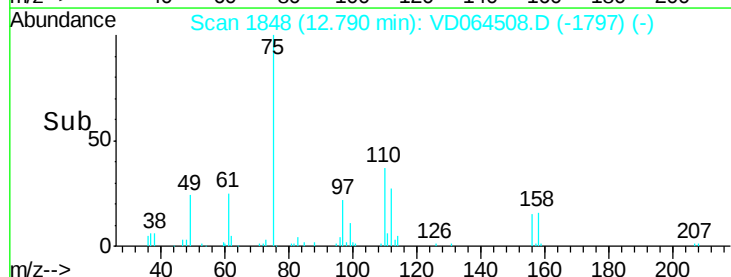
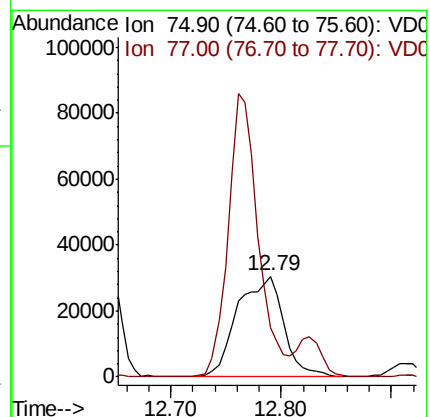
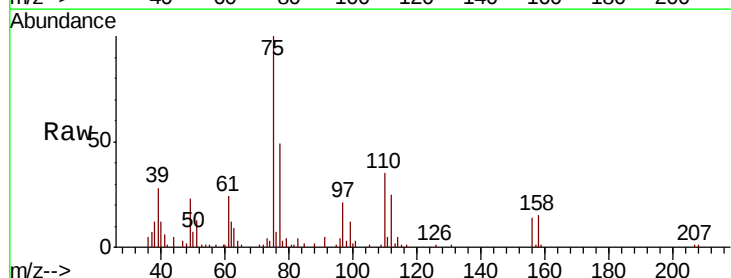
Acq: 13 Dec 2019 15:54

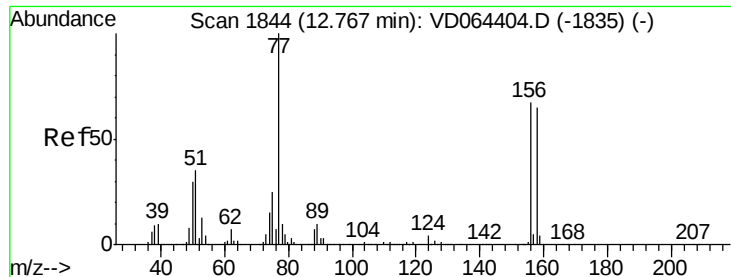
Tgt Ion: 75 Resp: 89445

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.523 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

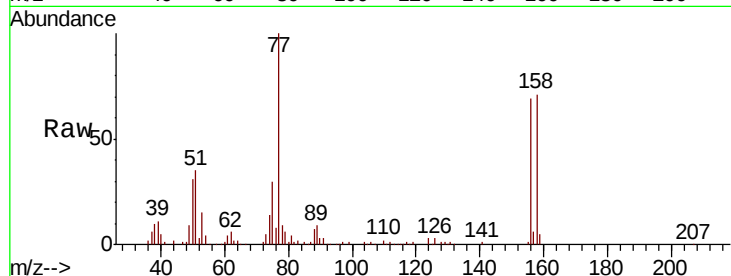
Tgt Ion:156 Resp: 101700

Ion Ratio Lower Upper

156 100

77 161.6 80.0 240.2

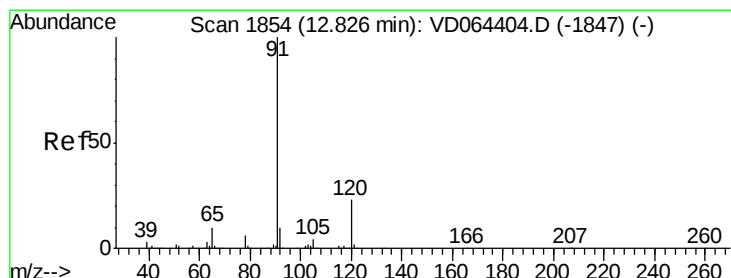
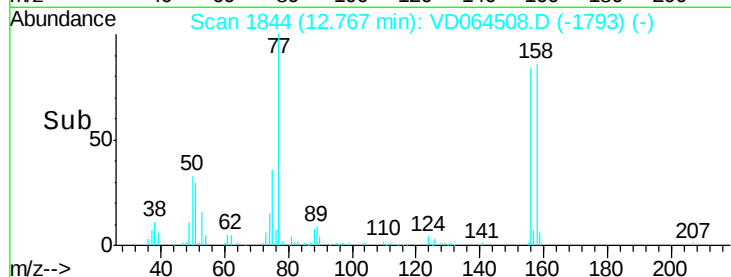
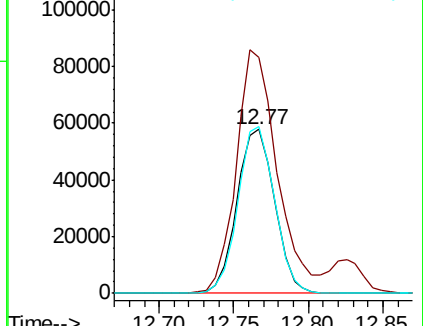
158 98.5 48.9 146.6



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: 20.918 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064508.D

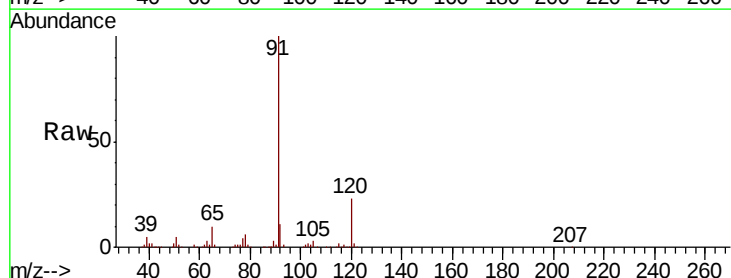
Acq: 13 Dec 2019 15:54

Tgt Ion: 91 Resp: 484321

Ion Ratio Lower Upper

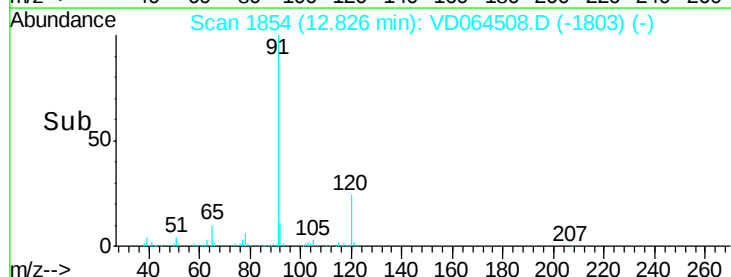
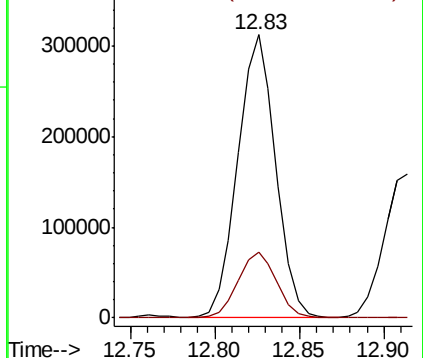
91 100

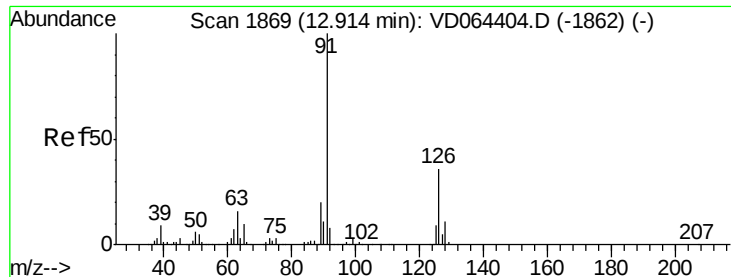
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.699 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

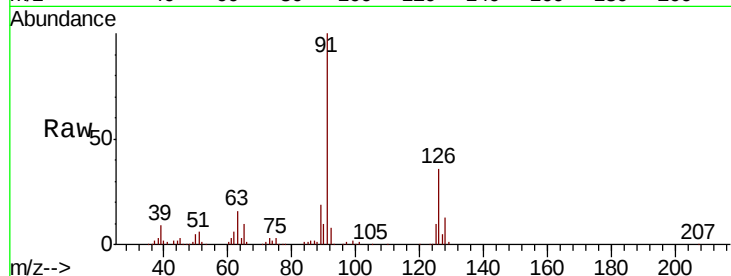
VD1213SBS01

Tgt Ion: 91 Resp: 263709

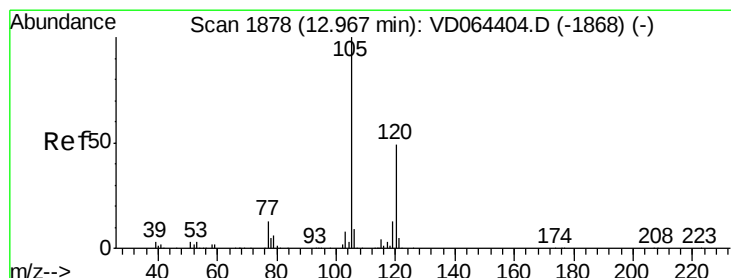
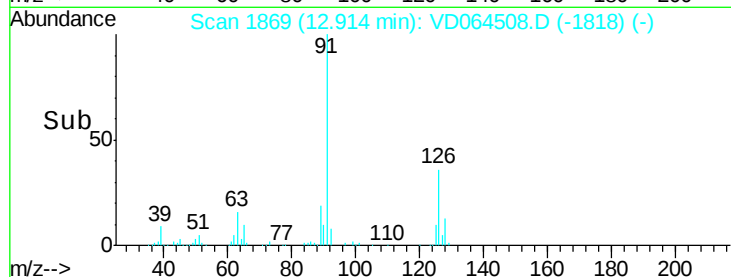
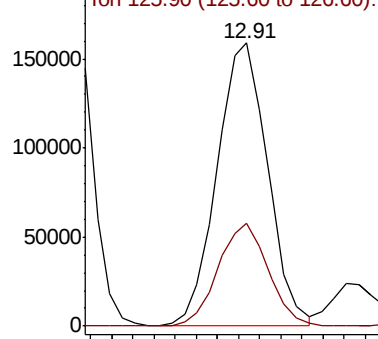
Ion Ratio Lower Upper

91 100

126 36.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.393 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064508.D

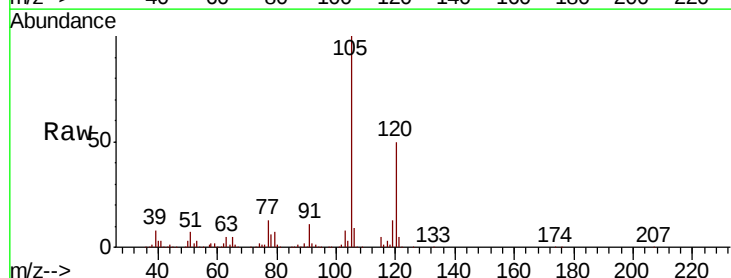
Acq: 13 Dec 2019 15:54

Tgt Ion: 105 Resp: 334417

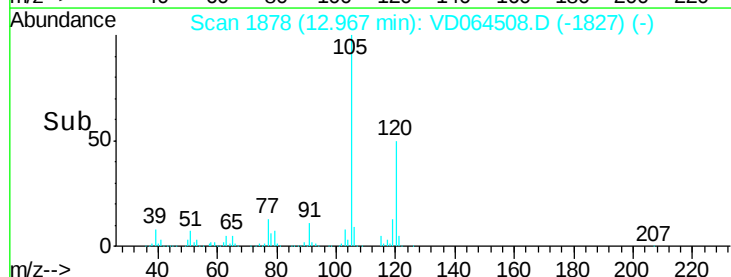
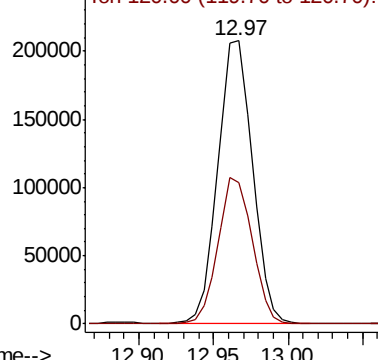
Ion Ratio Lower Upper

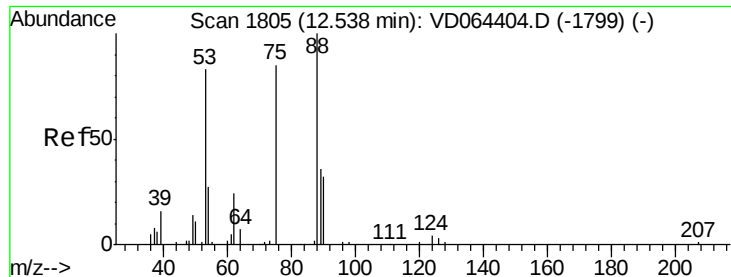
105 100

120 51.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.220 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

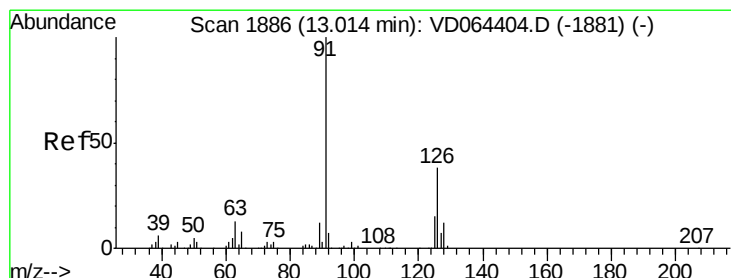
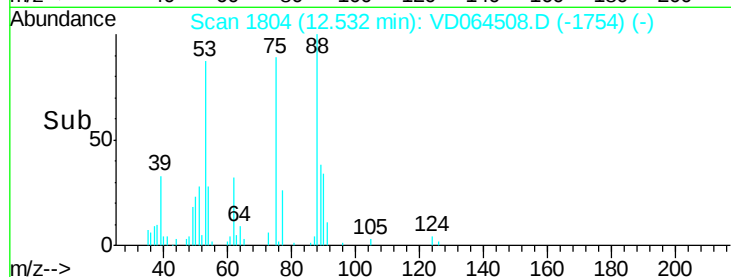
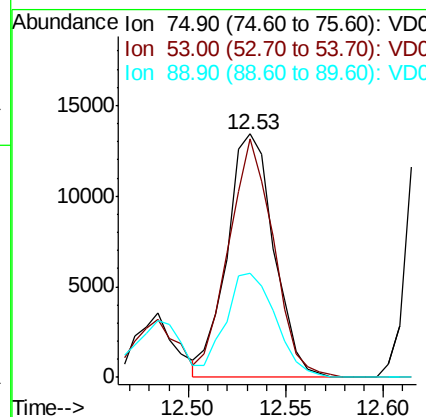
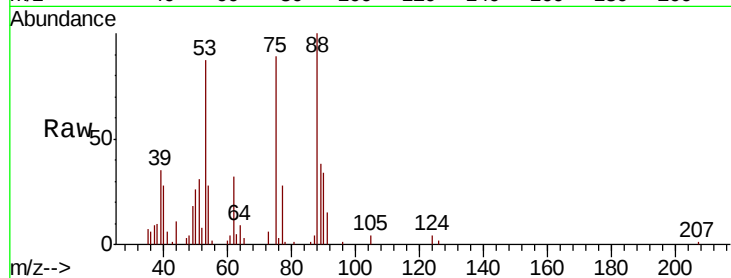
Tgt Ion: 75 Resp: 22329

Ion Ratio Lower Upper

75 100

53 94.6 81.0 121.6

89 46.2 38.5 57.7



#82

4-Chlorotoluene

Concen: 20.587 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064508.D

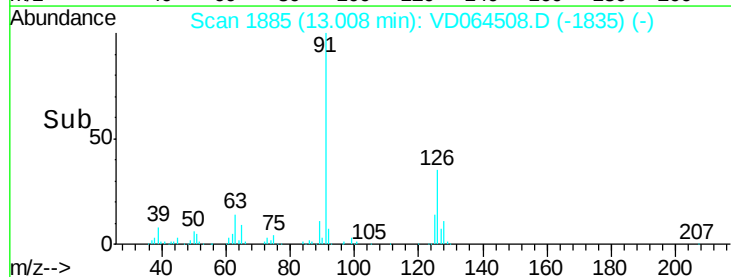
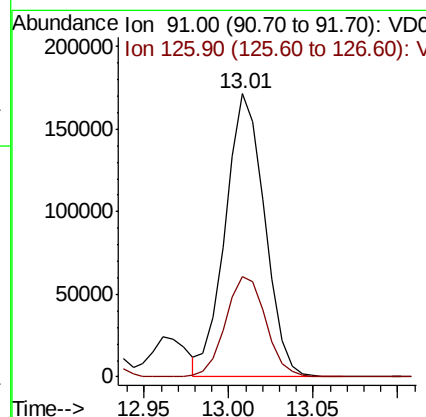
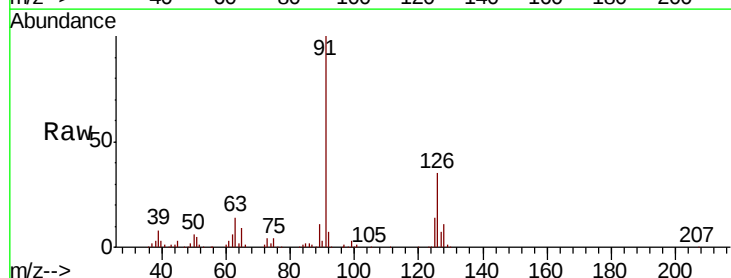
Acq: 13 Dec 2019 15:54

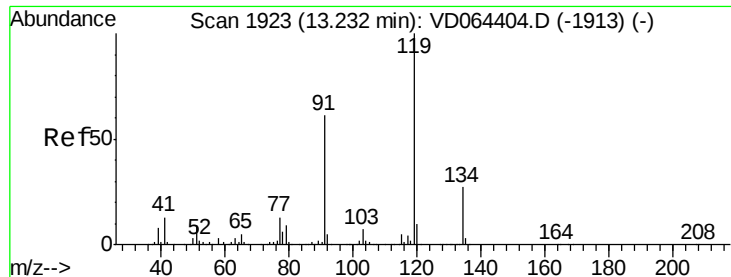
Tgt Ion: 91 Resp: 277697

Ion Ratio Lower Upper

91 100

126 36.3 18.2 54.6

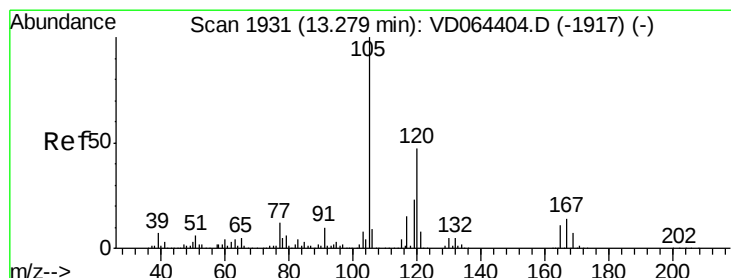
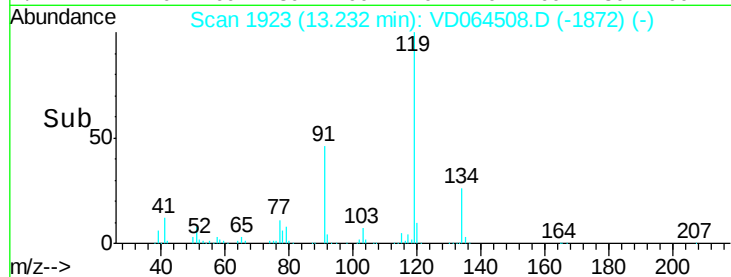
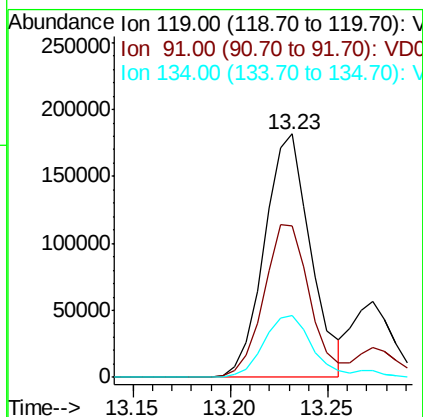
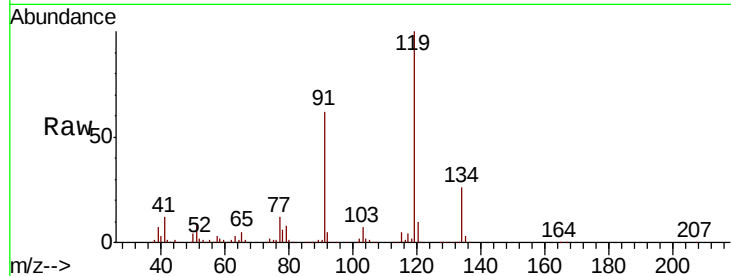




#83
 tert-Butylbenzene
 Concen: 20.922 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

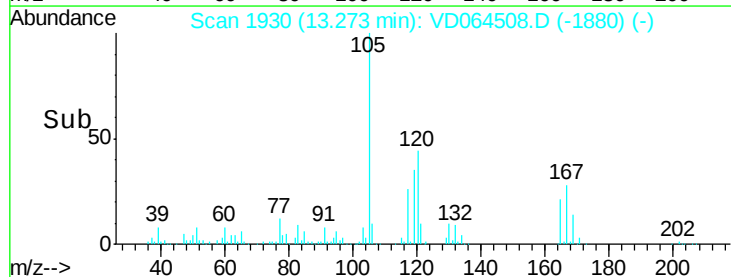
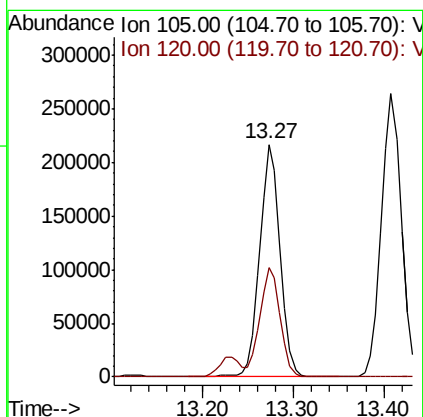
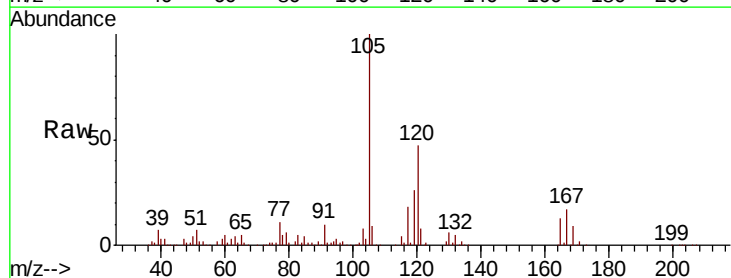
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

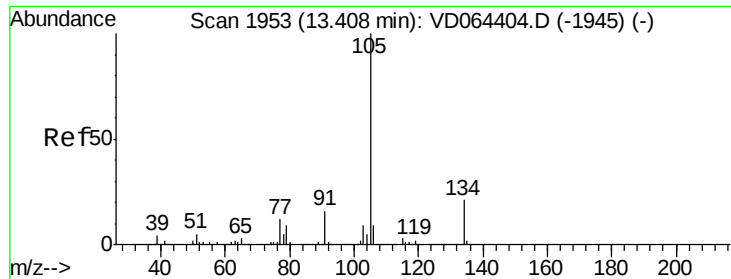
Tgt Ion:119 Resp: 298274
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.2 93.6
 134 26.4 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.504 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion:105 Resp: 338093
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.6 70.8





#85

sec-Butylbenzene

Concen: 20.526 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

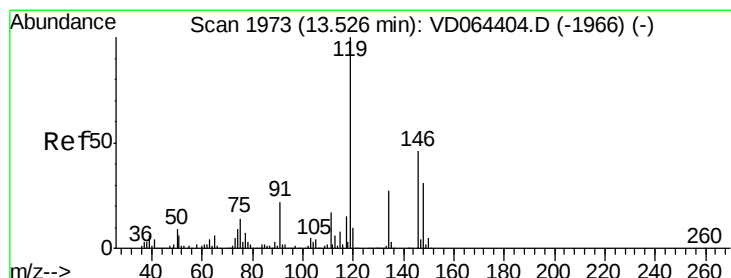
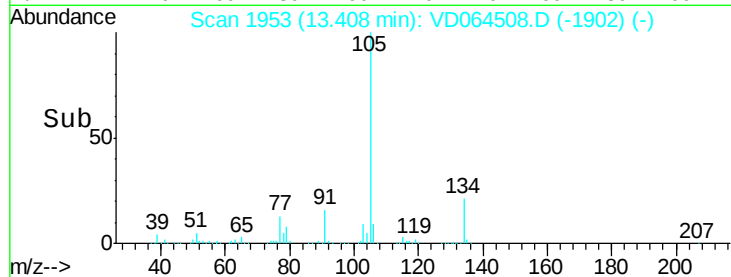
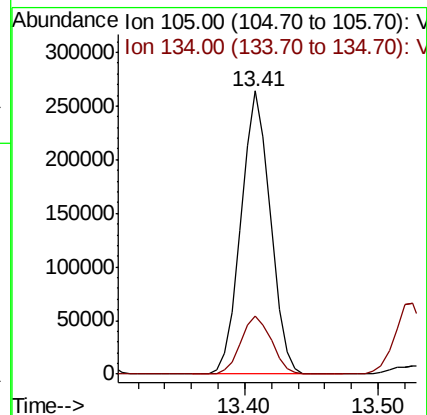
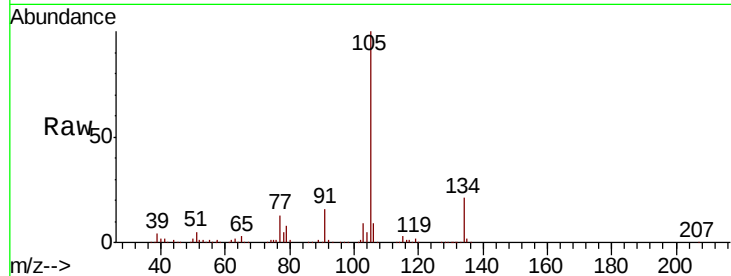
VD1213SBS01

Tgt Ion:105 Resp: 401626

Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.5



#86

p-Isopropyltoluene

Concen: 20.303 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

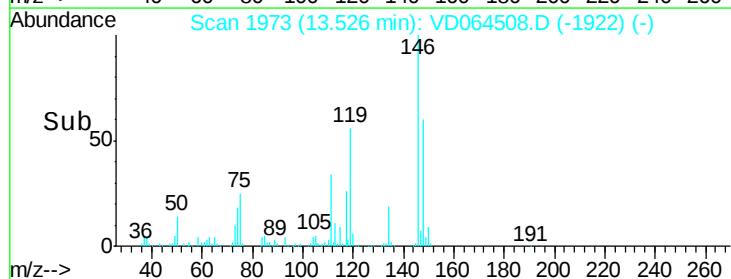
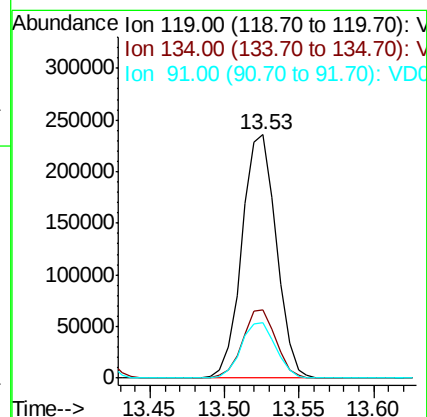
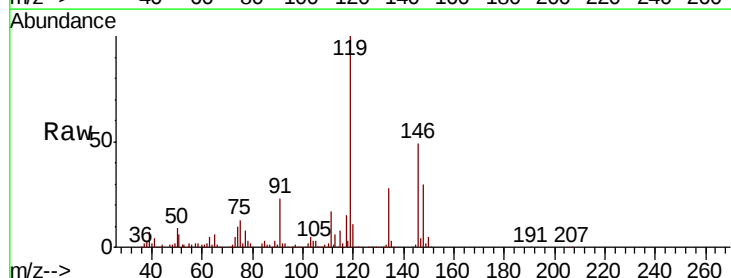
Tgt Ion:119 Resp: 375060

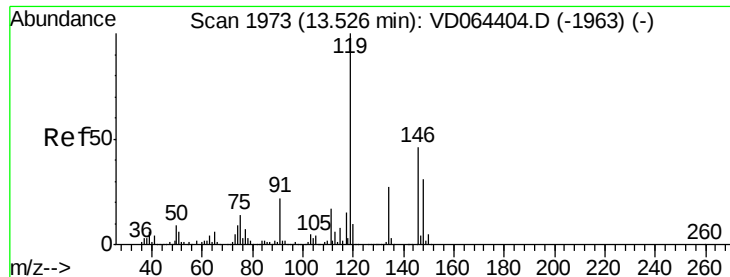
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 23.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.580 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

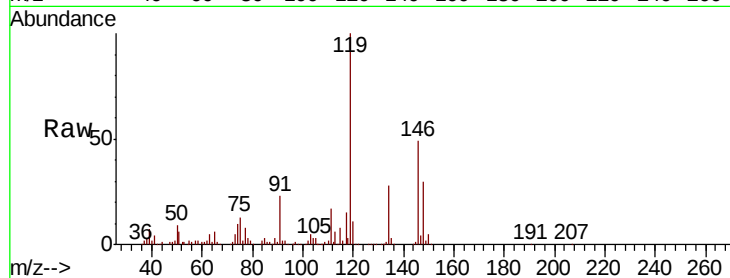
Tgt Ion:146 Resp: 193561

Ion Ratio Lower Upper

146 100

111 36.1 18.8 56.4

148 62.1 32.6 97.8



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

150000

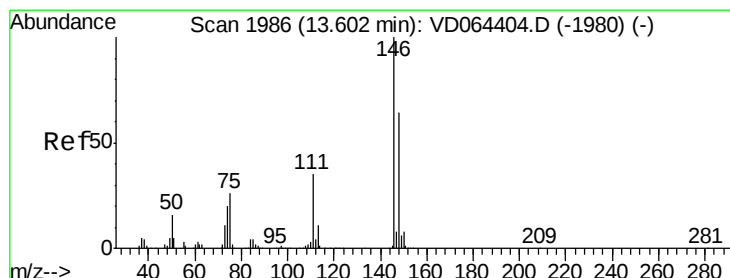
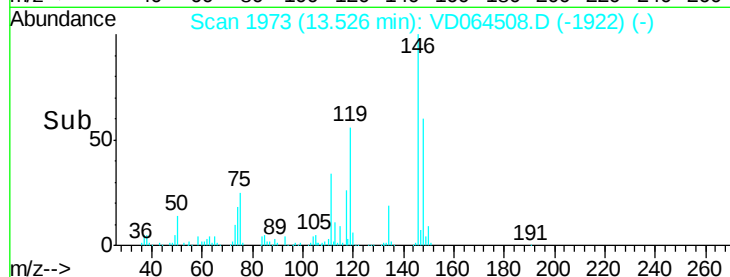
100000

50000

0

13.45 13.50 13.55

Time-->



#88

1,4-Dichlorobenzene

Concen: 20.507 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

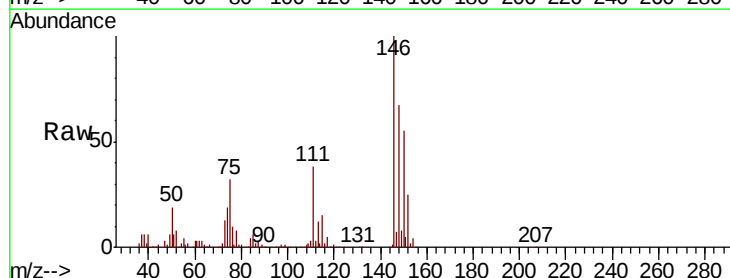
Tgt Ion:146 Resp: 190425

Ion Ratio Lower Upper

146 100

111 37.9 18.2 54.6

148 64.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

150000

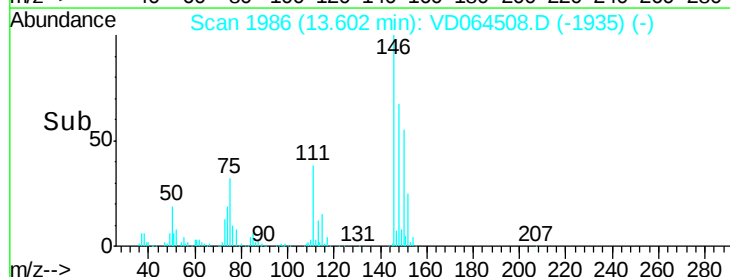
100000

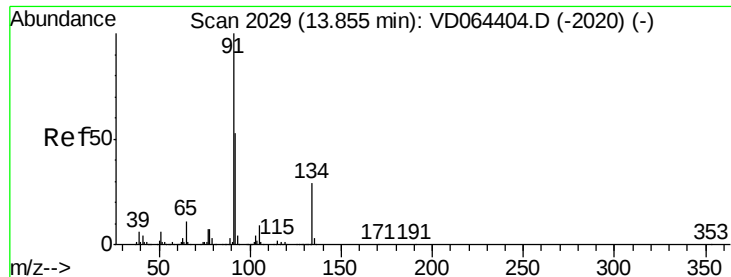
50000

0

13.55 13.60 13.65

Time-->





#89

n-Butylbenzene

Concen: 20.489 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VD064508.D

Acq: 13 Dec 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VD1213SBS01

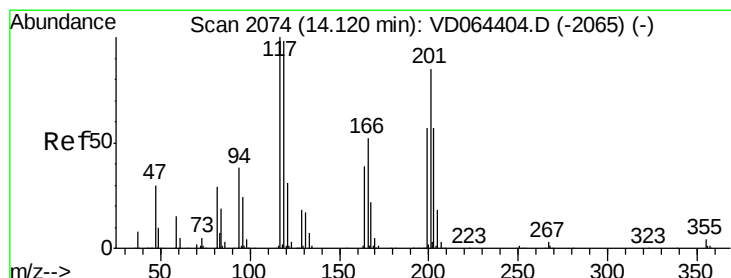
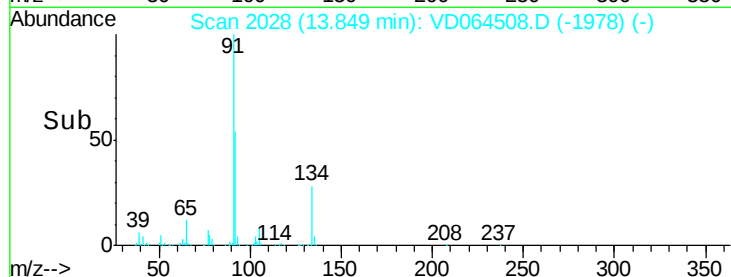
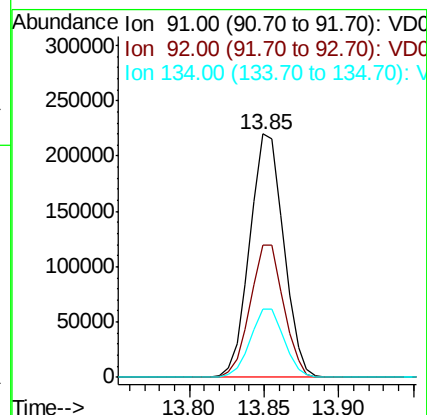
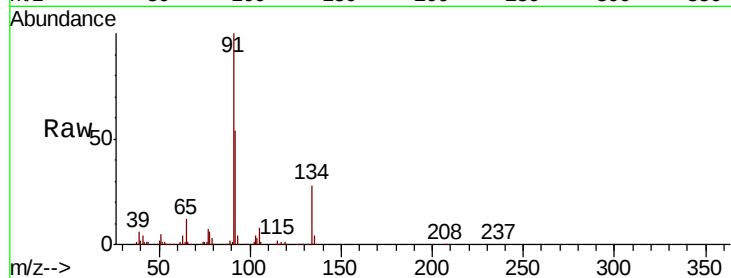
Tgt Ion: 91 Resp: 343724

Ion Ratio Lower Upper

91 100

92 54.0 26.5 79.4

134 28.0 13.9 41.7



#90

Hexachloroethane

Concen: 21.154 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD064508.D

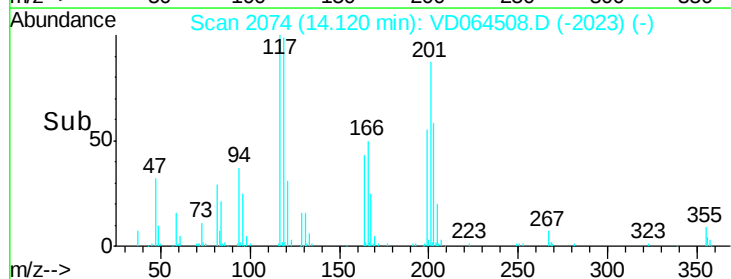
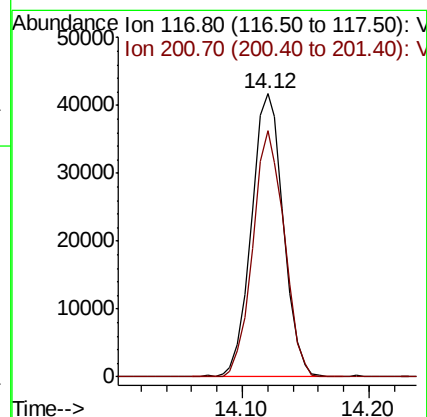
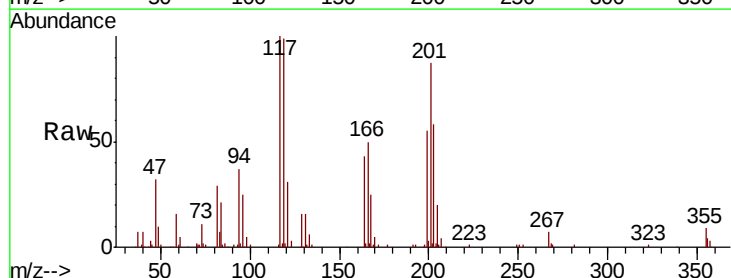
Acq: 13 Dec 2019 15:54

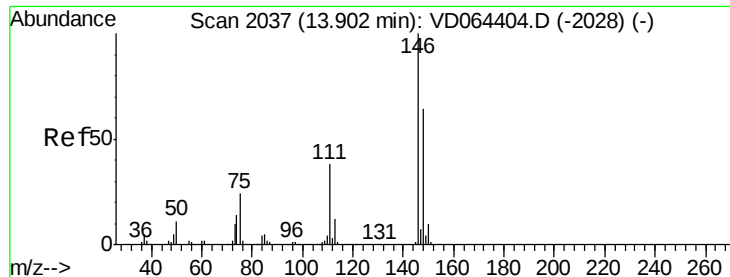
Tgt Ion: 117 Resp: 73091

Ion Ratio Lower Upper

117 100

201 85.8 44.3 132.8

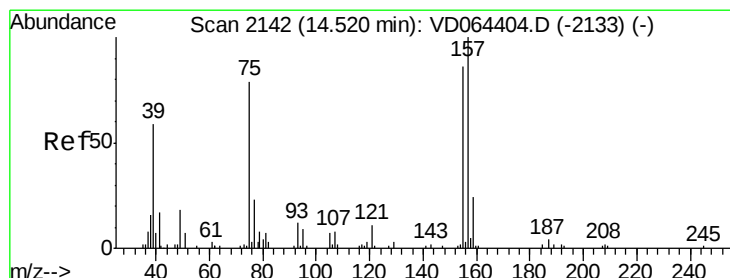
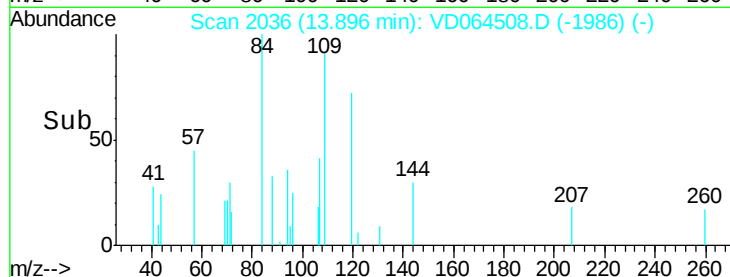
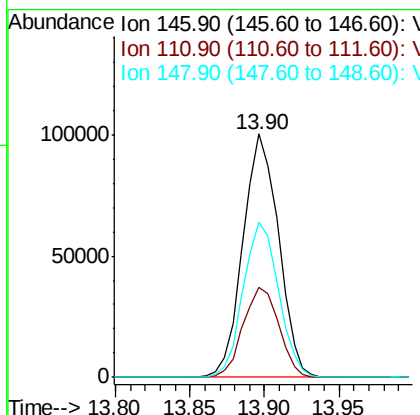
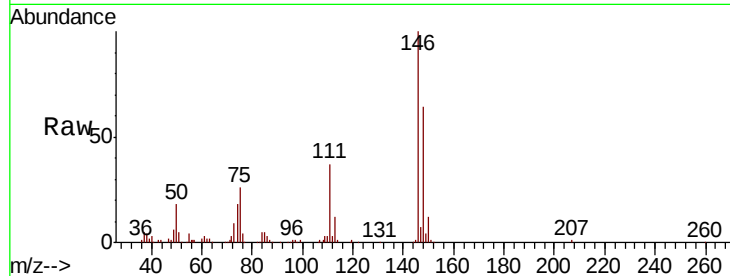




#91
 1,2-Dichlorobenzene
 Concen: 20.650 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

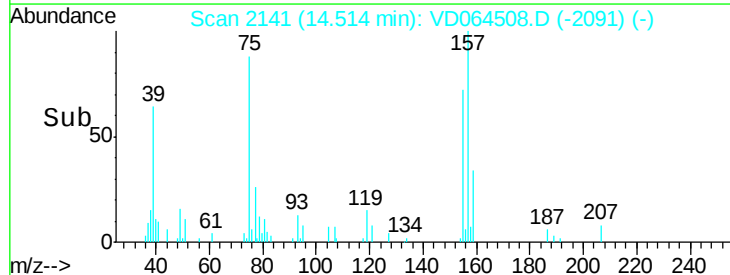
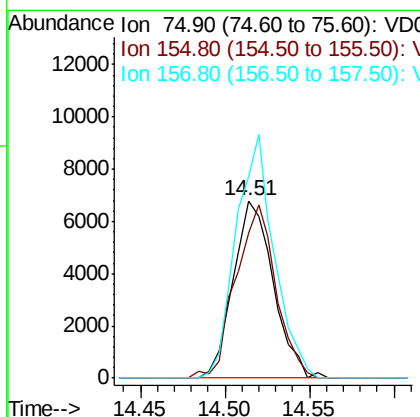
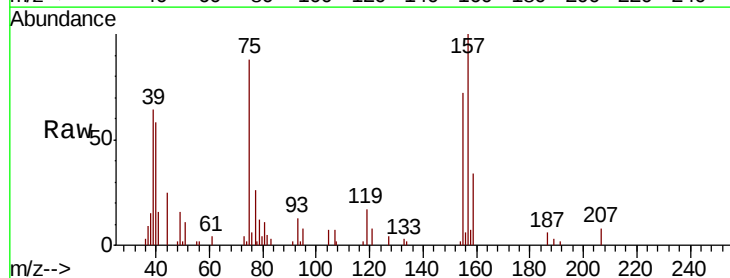
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

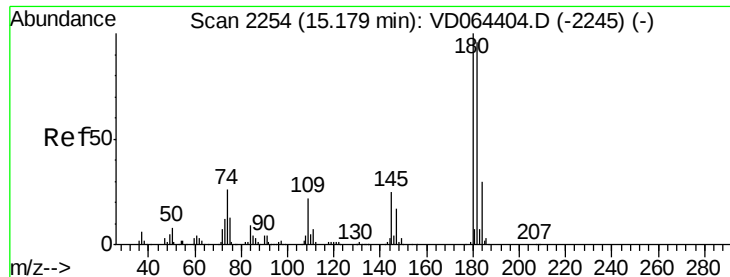
Tgt Ion: 146 Resp: 165984
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.1 57.3
 148 63.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.962 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion: 75 Resp: 11203
 Ion Ratio Lower Upper
 75 100
 155 98.1 51.9 155.7
 157 130.4 63.2 189.8

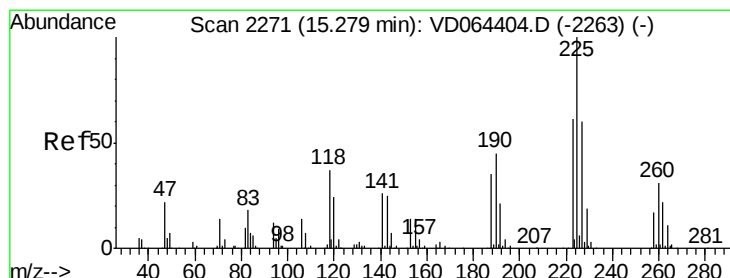
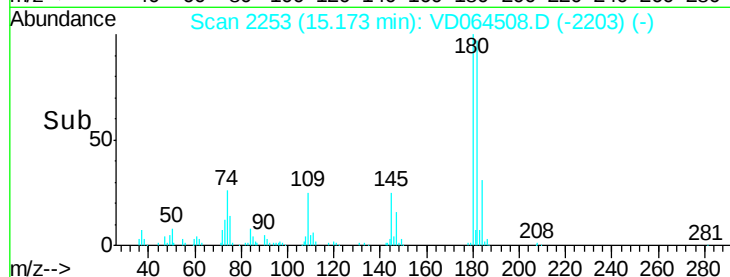
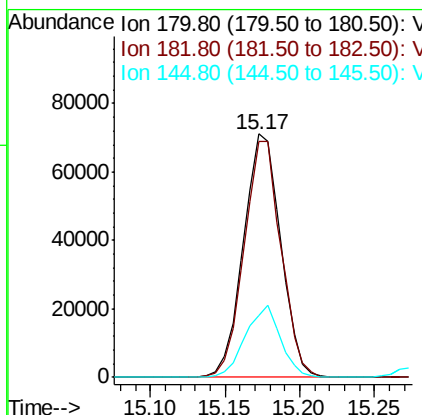
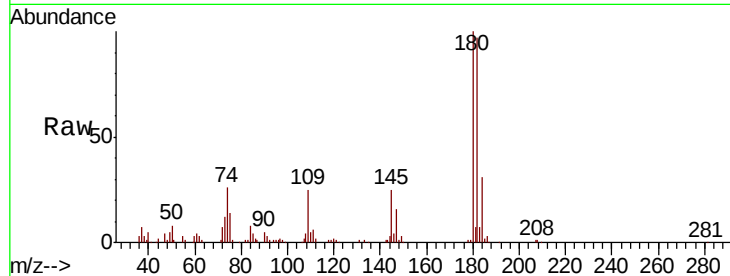




#93
 1,2,4-Trichlorobenzene
 Concen: 19.927 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

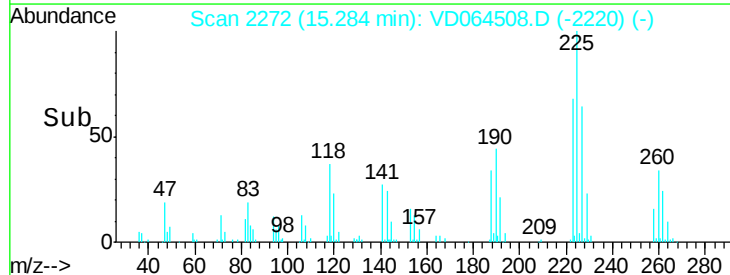
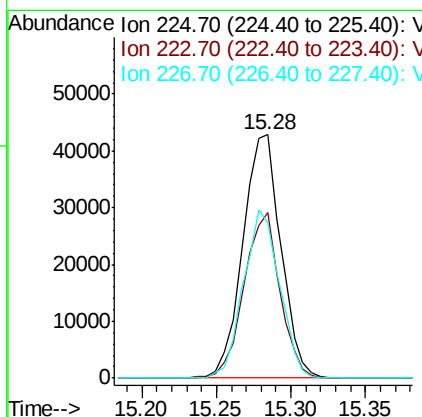
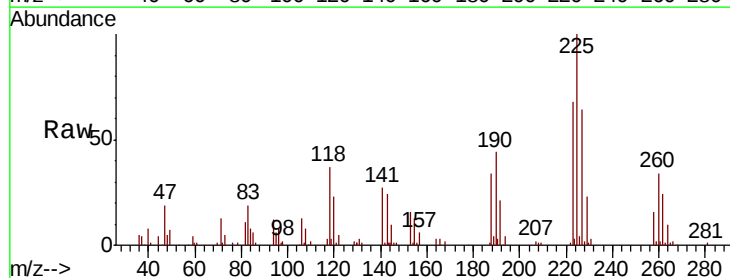
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1213SBS01

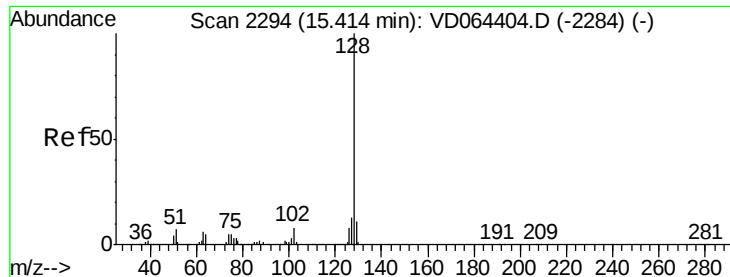
Tgt Ion:180 Resp: 122667
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.4 142.3
 145 27.9 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 19.859 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064508.D
 Acq: 13 Dec 2019 15:54

Tgt Ion:225 Resp: 75470
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.1 93.3
 227 65.4 31.8 95.4

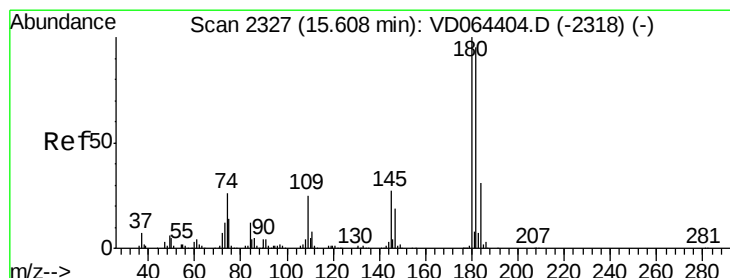
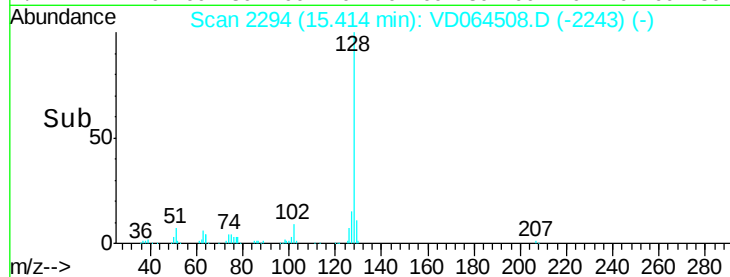
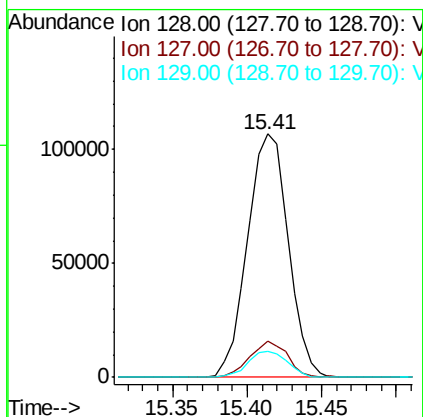
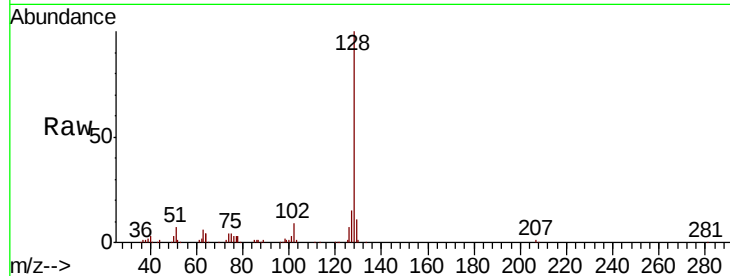




#95
Naphthalene
Concen: 19.601 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VD1213SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.5	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.568 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064508.D
Acq: 13 Dec 2019 15:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	29.5	14.6	43.8

