

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064915.D
 Acq On : 22 Jan 2020 14:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 22 23:16:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	575742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	200630	56.11	ug/l	0.00
Spiked Amount			Recovery	=	112.22%	
35) Dibromofluoromethane	7.92	113	198482	56.19	ug/l	0.00
Spiked Amount			Recovery	=	112.38%	
50) Toluene-d8	10.34	98	750042	55.44	ug/l	0.00
Spiked Amount			Recovery	=	110.88%	
62) 4-Bromofluorobenzene	12.64	95	238003	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	136566	43.333	ug/l	99
3) Chloromethane	2.21	50	200752	45.547	ug/l	99
4) Vinyl Chloride	2.35	62	244435	45.484	ug/l	97
5) Bromomethane	2.77	94	161960	41.449	ug/l	96
6) Chloroethane	2.93	64	164783	45.761	ug/l	99
7) Trichlorofluoromethane	3.27	101	417316	46.119	ug/l	98
8) Diethyl Ether	3.71	74	89431	49.770	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	198603	52.997	ug/l	97
10) Methyl Iodide	4.30	142	204503	50.804	ug/l	99
11) Tert butyl alcohol	5.25	59	66842	326.163	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	178586	50.056	ug/l	93
13) Acrolein	3.92	56	63884	223.678	ug/l	99
14) Allyl chloride	4.71	41	299816	53.899	ug/l	100
15) Acrylonitrile	5.43	53	210398	281.109	ug/l	99
16) Acetone	4.17	43	248639	344.766	ug/l	94
17) Carbon Disulfide	4.40	76	491992	42.648	ug/l	99
18) Methyl Acetate	4.73	43	109657	54.470	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	431583	54.462	ug/l	100
20) Methylene Chloride	4.96	84	210037	58.237	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	207525	51.075	ug/l	93
22) Diisopropyl ether	6.37	45	617006	55.611	ug/l	98
23) Vinyl Acetate	6.31	43	1777758	282.463	ug/l	98
24) 1,1-Dichloroethane	6.26	63	368638	55.345	ug/l	99
25) 2-Butanone	7.22	43	289433	294.462	ug/l	99
26) 2,2-Dichloropropane	7.21	77	353195	57.033	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	231686	52.835	ug/l	96
28) Bromochloromethane	7.55	49	141915	54.810	ug/l	98
29) Tetrahydrofuran	7.57	42	170058	278.211	ug/l	97
30) Chloroform	7.71	83	381959	54.658	ug/l	97
31) Cyclohexane	7.98	56	319293	47.889	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	361255	55.038	ug/l	99
36) 1,1-Dichloropropene	8.11	75	299664	54.076	ug/l	99
37) Ethyl Acetate	7.30	43	120266	55.244	ug/l	98
38) Carbon Tetrachloride	8.10	117	334368	56.587	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347136	51.721	ug/l	94
40) Benzene	8.36	78	821770	54.322	ug/l	97
41) Methacrylonitrile	7.53	41	74942	59.332	ug/l	97
42) 1,2-Dichloroethane	8.43	62	244676	55.970	ug/l	100
43) Isopropyl Acetate	8.46	43	240906	55.597	ug/l	99
44) Trichloroethene	9.11	130	233081	52.448	ug/l	97
45) 1,2-Dichloropropane	9.39	63	204641	56.657	ug/l	99
46) Dibromomethane	9.48	93	109304	54.278	ug/l	98
47) Bromodichloromethane	9.67	83	299079	55.813	ug/l	99
48) Methyl methacrylate	9.46	41	110057	53.942	ug/l	93
49) 1,4-Dioxane	9.47	88	24806	1068.293	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	612454	285.958	ug/l	100
52) Toluene	10.41	92	541313	54.541	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	282105	56.467	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	331226	56.227	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	149194	54.974	ug/l	95
56) Ethyl methacrylate	10.67	69	188215	55.532	ug/l	96
57) 1,3-Dichloropropane	10.95	76	251974	53.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	333255	258.076	ug/l	99
59) 2-Hexanone	10.99	43	445076	306.177	ug/l	100
60) Dibromochloromethane	11.14	129	204383	54.459	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143748	53.702	ug/l	99
64) Tetrachloroethene	10.88	164	198825	50.411	ug/l	94
65) Chlorobenzene	11.67	112	562345	52.703	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	220252	54.755	ug/l	100
67) Ethyl Benzene	11.75	91	1046335	54.027	ug/l	99
68) m/p-Xylenes	11.86	106	816056	109.168	ug/l	99
69) o-Xylene	12.18	106	361143	53.487	ug/l	99
70) Styrene	12.20	104	648325	54.703	ug/l	99
71) Bromoform	12.37	173	120942	52.723	ug/l #	100
73) Isopropylbenzene	12.48	105	1006417	54.377	ug/l	99
74) N-amyl acetate	12.30	43	214386	54.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	157332	54.114	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	211709	103.517	ug/l #	100
77) Bromobenzene	12.77	156	235226	51.724	ug/l	98
78) n-propylbenzene	12.83	91	1197573	55.464	ug/l	98
79) 2-Chlorotoluene	12.91	91	640769	54.022	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	813753	53.524	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	53404	54.613	ug/l	96
82) 4-Chlorotoluene	13.01	91	660478	52.324	ug/l	99
83) tert-Butylbenzene	13.23	119	710000	53.786	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	822013	54.288	ug/l	98
85) sec-Butylbenzene	13.41	105	989344	54.669	ug/l	99
86) p-Isopropyltoluene	13.53	119	940699	54.363	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	455496	52.540	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	445718	52.335	ug/l	100
89) n-Butylbenzene	13.85	91	850909	54.605	ug/l	100
90) Hexachloroethane	14.12	117	178616	54.037	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	382843	51.788	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24805	52.628	ug/l	91

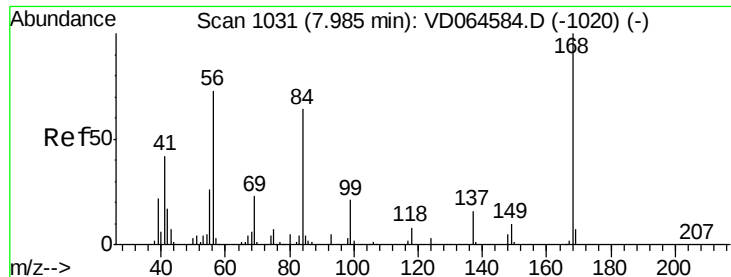
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	272972	50.149	ug/l	98
94) Hexachlorobutadiene	15.28	225	174569	50.966	ug/l	99
95) Naphthalene	15.41	128	450106	52.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	232689	50.075	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

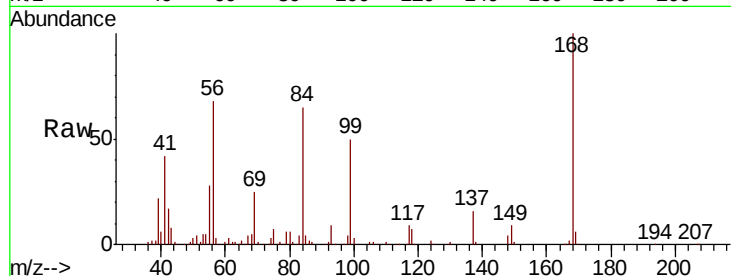
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 405525

Ion Ratio Lower Upper

168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

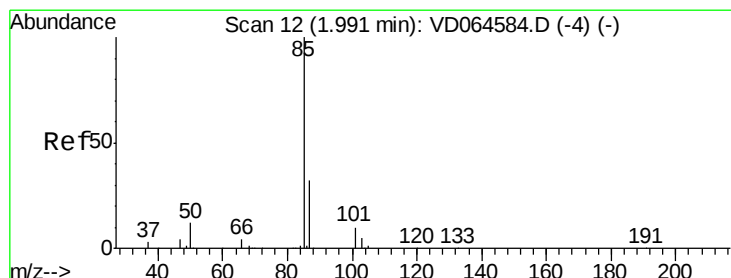
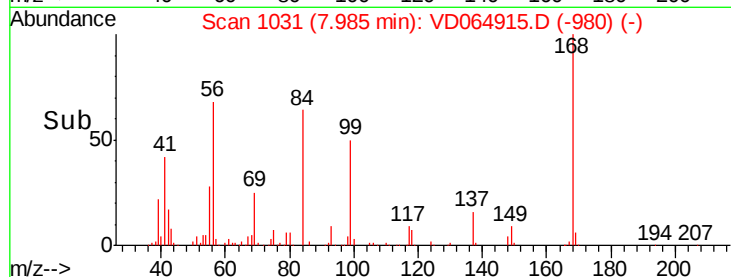
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.333 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064915.D

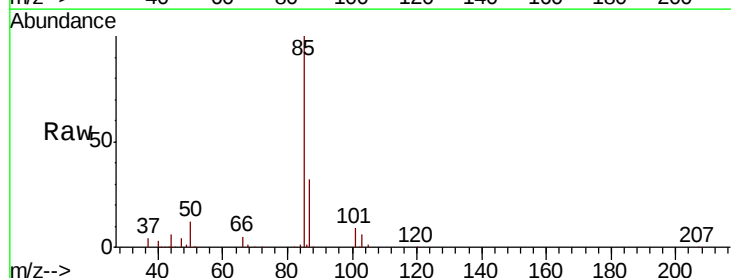
Acq: 22 Jan 2020 14:01

Tgt Ion: 85 Resp: 136566

Ion Ratio Lower Upper

85 100

87 31.8 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

100000

80000

60000

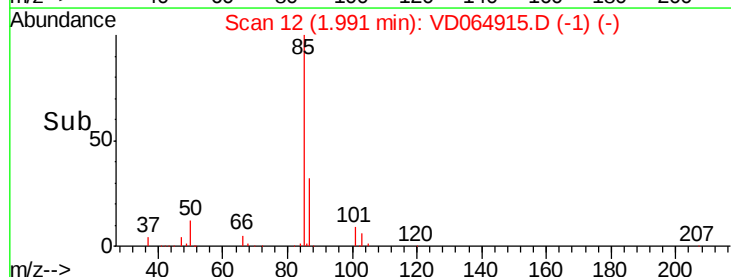
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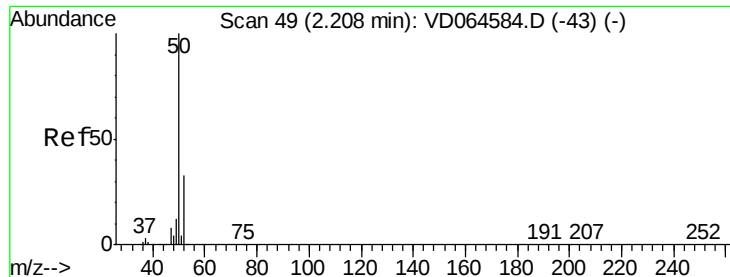
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 45.547 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

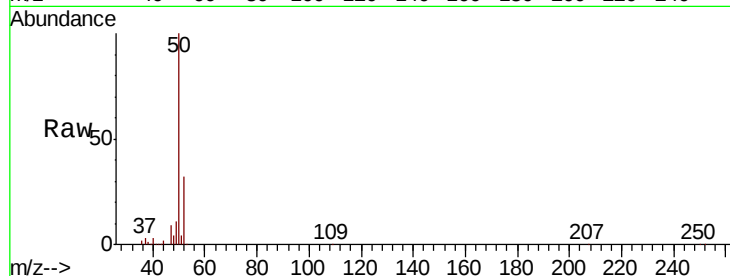
ClientSampleId :

Tot Ion: 50 Resp: 200752

Ion Ratio Lower Upper

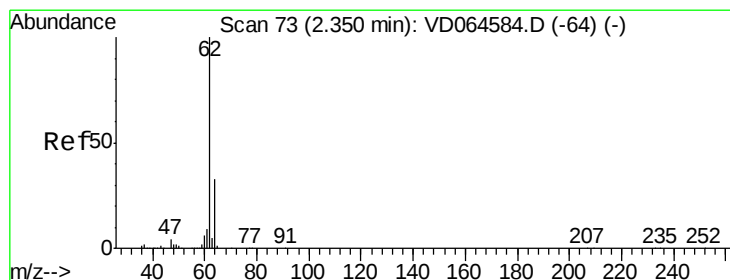
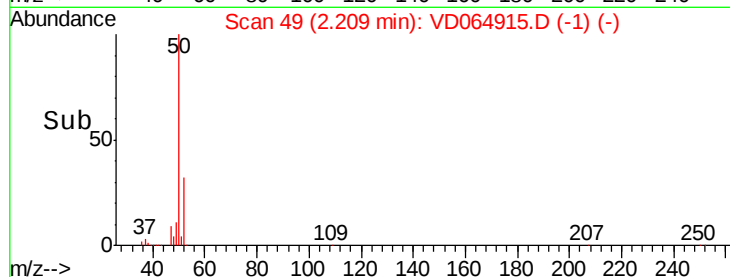
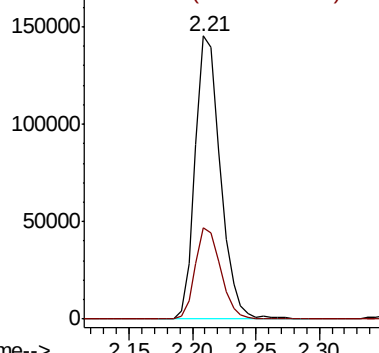
50 100

52 32.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.484 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064915.D

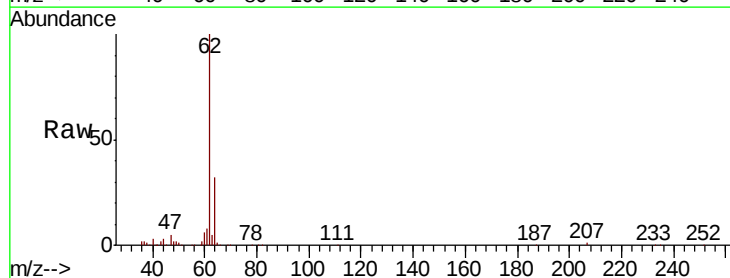
Acq: 22 Jan 2020 14:01

Tgt Ion: 62 Resp: 244435

Ion Ratio Lower Upper

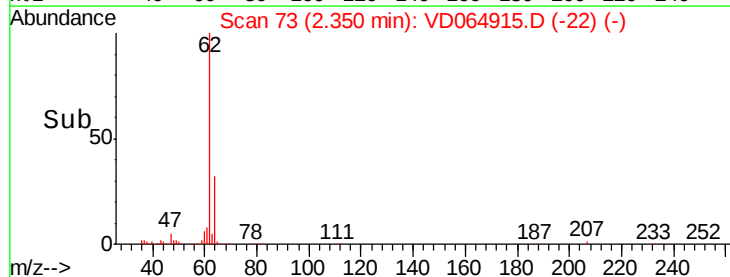
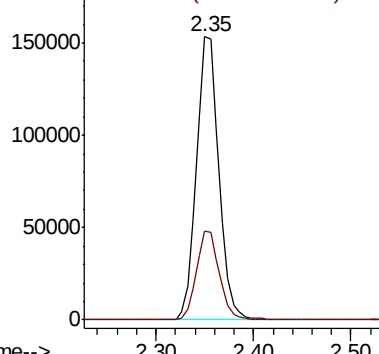
62 100

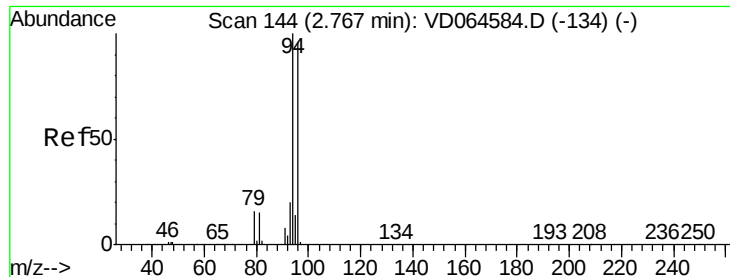
64 31.6 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.449 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

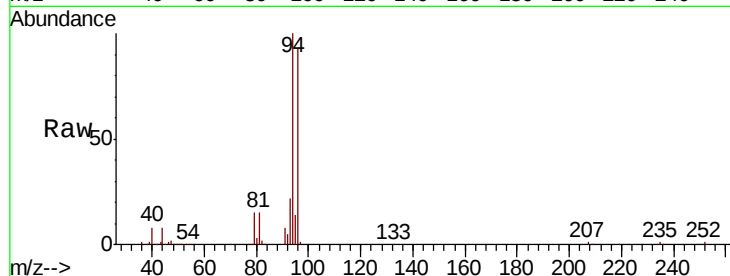
ClientSampleId :

Tot Ion: 94 Resp: 161960

Ion Ratio Lower Upper

94 100

96 92.6 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

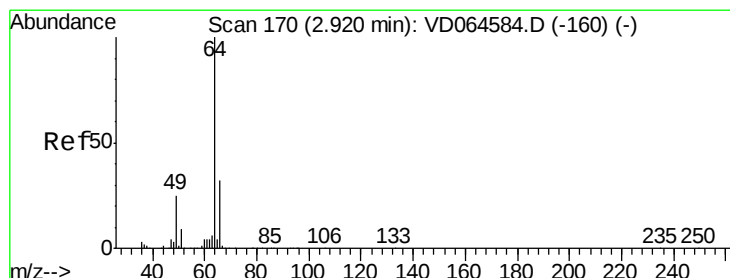
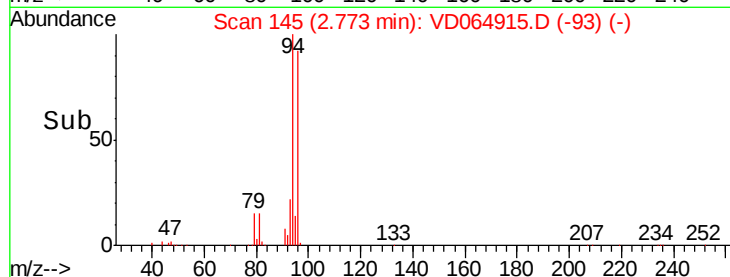
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 45.761 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064915.D

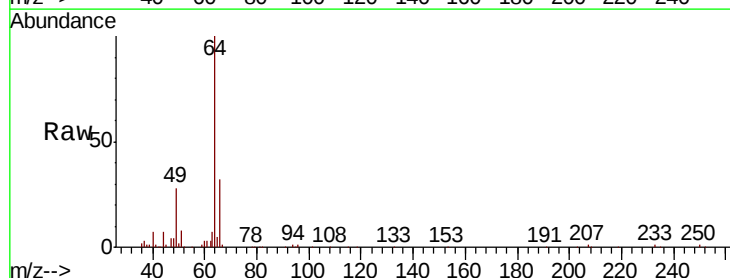
Acq: 22 Jan 2020 14:01

Tgt Ion: 64 Resp: 164783

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

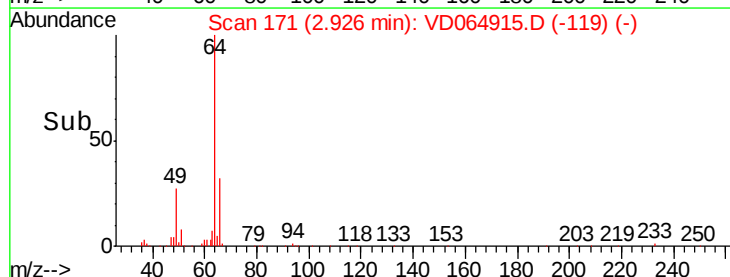
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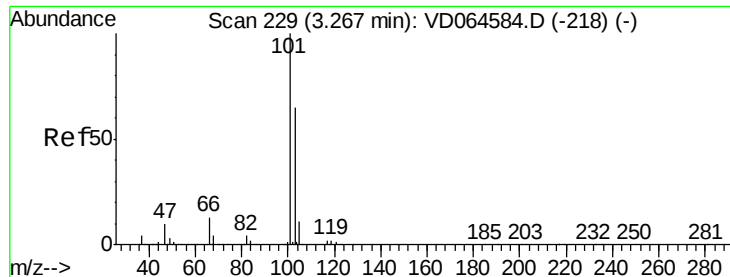
20000

0

Time-->

2.80 2.90 3.00



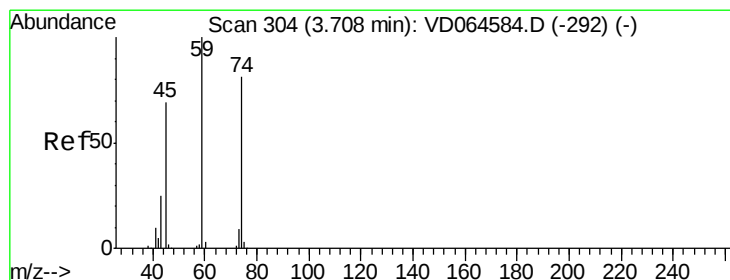
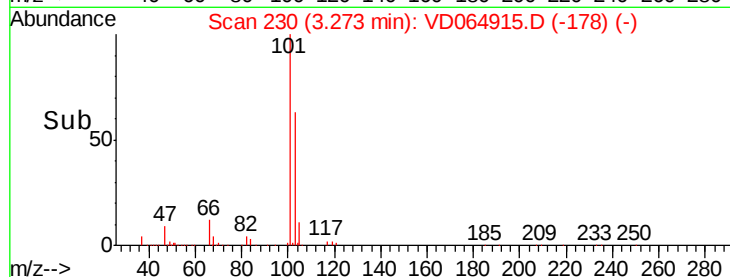
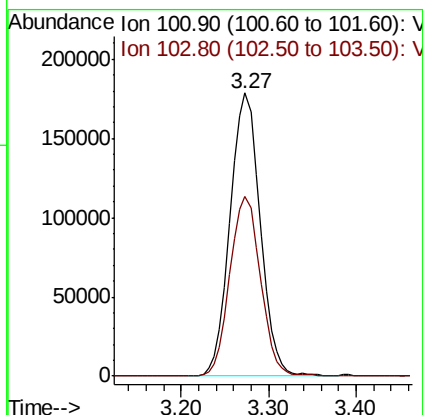
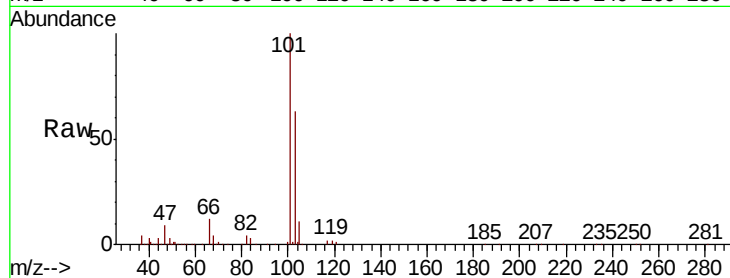


#7

Trichlorofluoromethane
Concen: 46.119 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

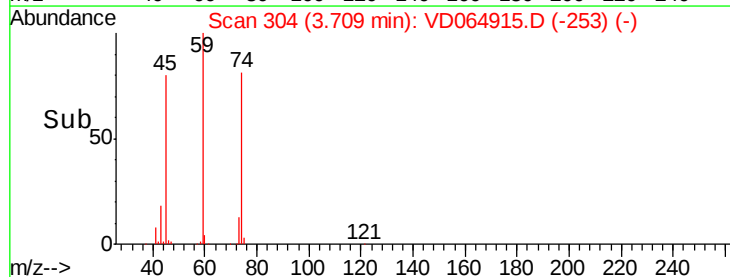
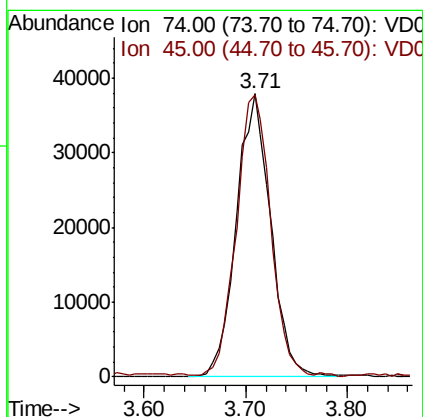
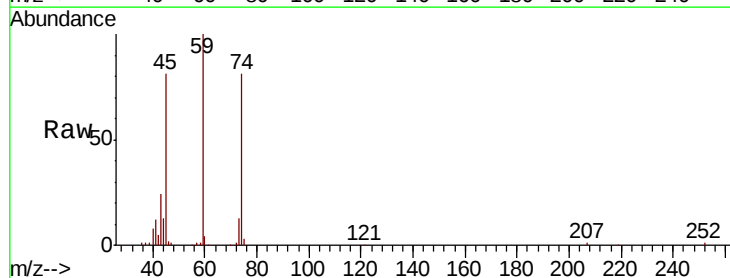
Tot Ion:101 Resp: 417316
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

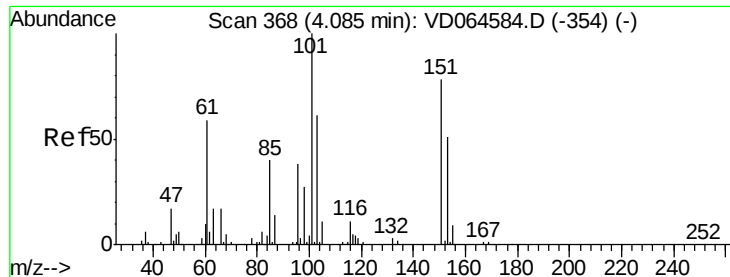


#8

Diethyl Ether
Concen: 49.770 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 74 Resp: 89431
Ion Ratio Lower Upper
74 100
45 98.1 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.997 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

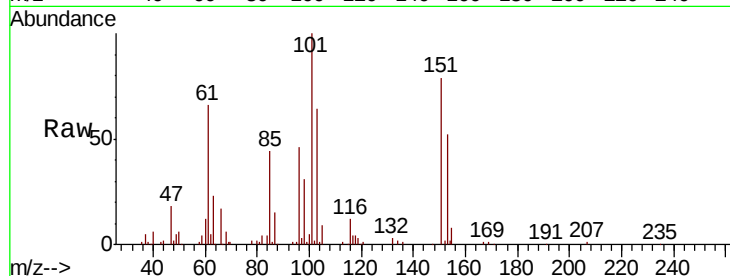
Tot Ion:101 Resp: 198603

Ion Ratio Lower Upper

101 100

85 44.6 35.2 52.8

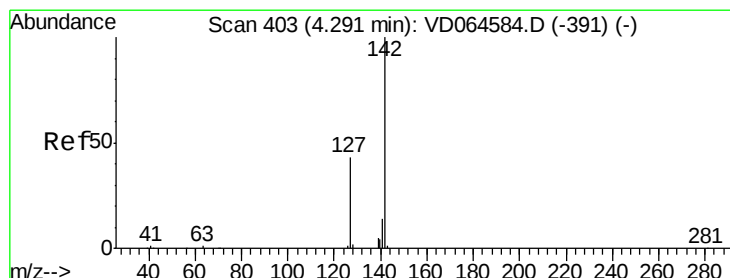
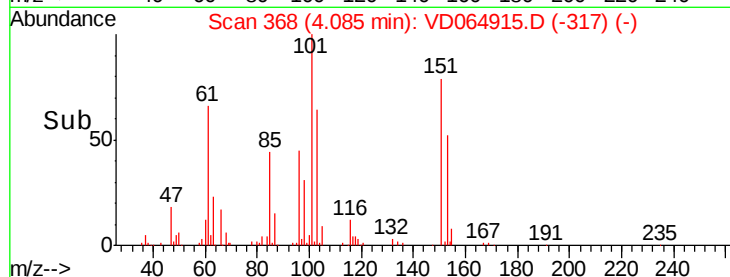
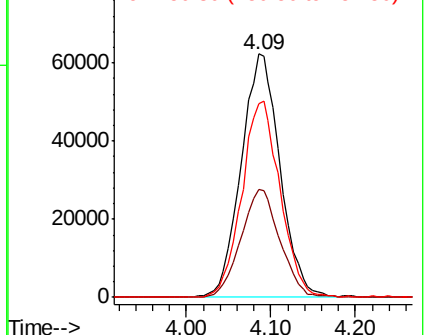
151 79.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.804 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

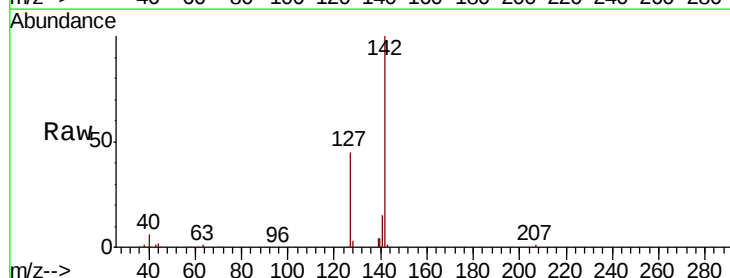
Tgt Ion:142 Resp: 204503

Ion Ratio Lower Upper

142 100

127 44.5 36.2 54.4

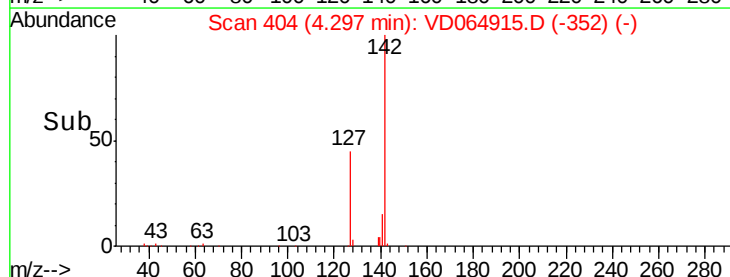
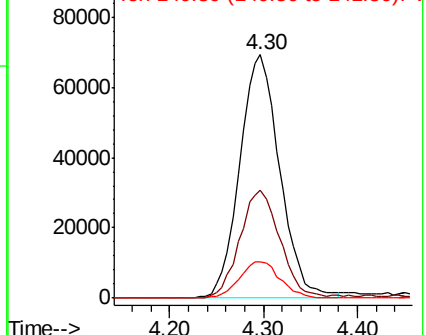
141 15.4 11.8 17.8

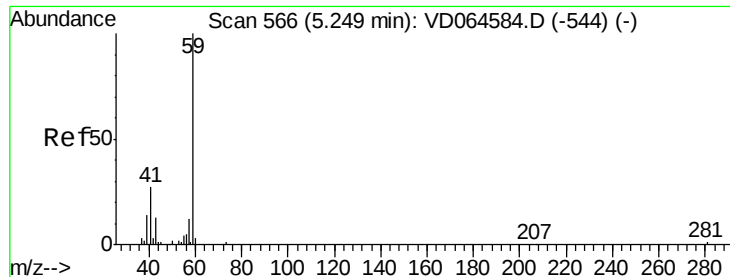


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



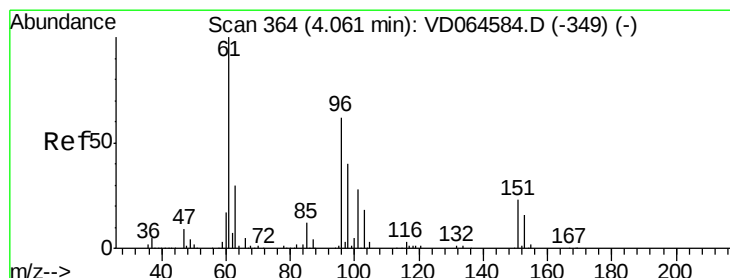
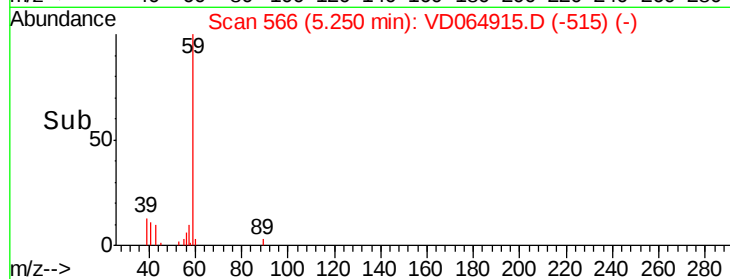
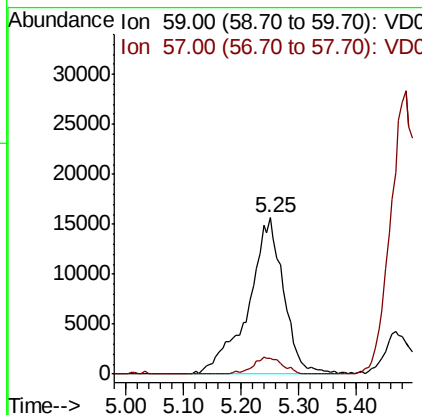
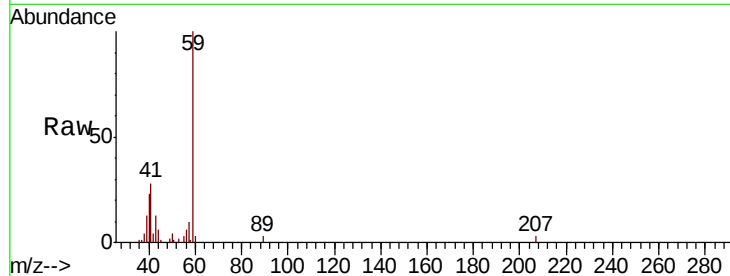


#11

Tert butyl alcohol
 Concen: 326.163 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Instrument :
 MSVOA_D
 ClientSampleId :

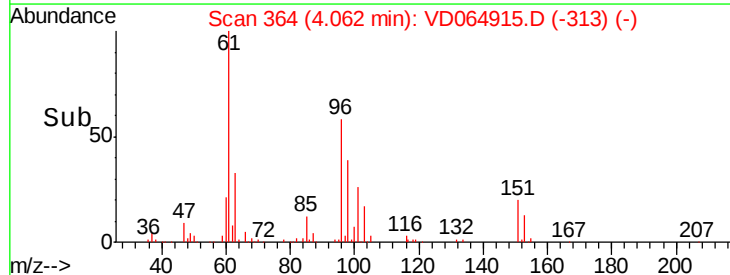
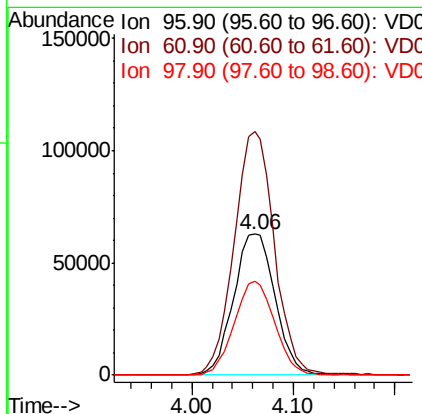
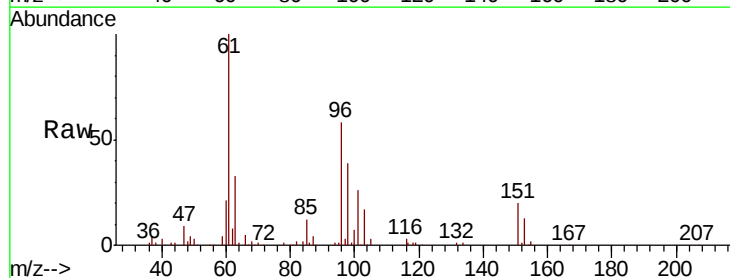
Tot Ion: 59 Resp: 66842
 Ion Ratio Lower Upper
 59 100
 57 9.0 9.3 13.9#

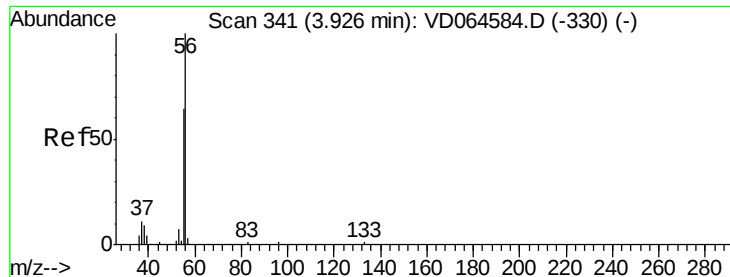


#12

1,1-Dichloroethene
 Concen: 50.056 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion: 96 Resp: 178586
 Ion Ratio Lower Upper
 96 100
 61 172.5 129.4 194.0
 98 66.8 51.4 77.0





#13

Acrolein

Concen: 223.678 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

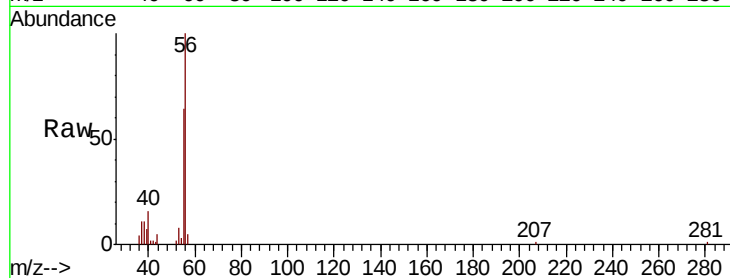
ClientSampled :

Tot Ion: 56 Resp: 63884

Ion Ratio Lower Upper

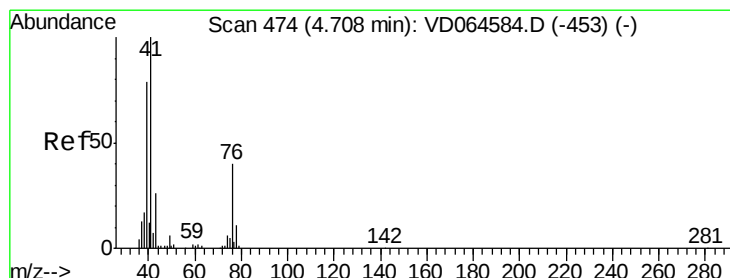
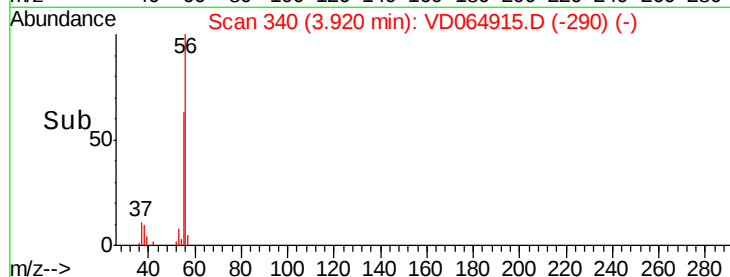
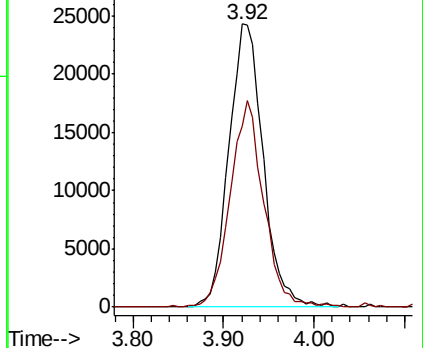
56 100

55 71.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.899 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

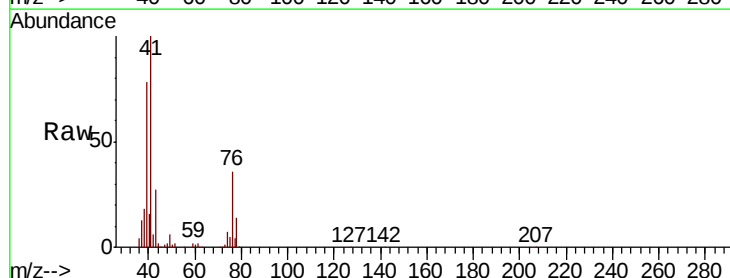
Tgt Ion: 41 Resp: 299816

Ion Ratio Lower Upper

41 100

39 77.9 62.3 93.5

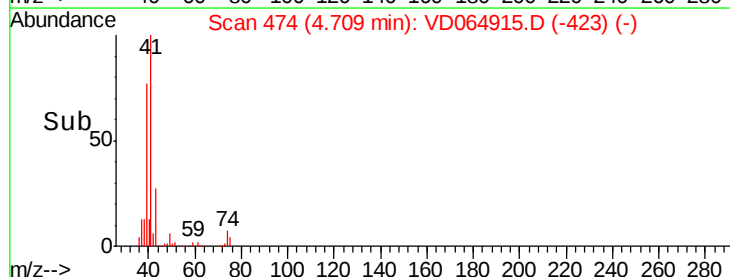
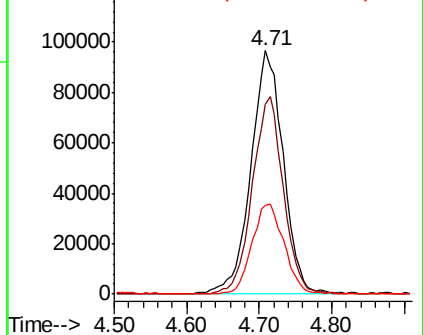
76 36.9 29.7 44.5

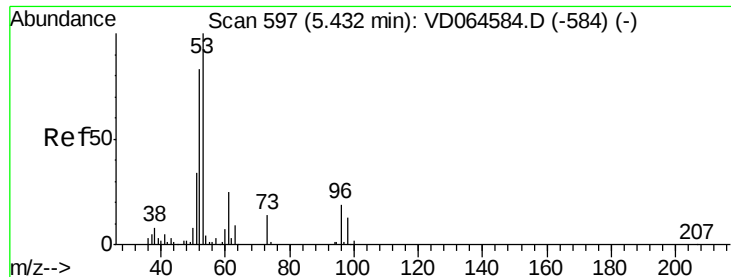


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 281.109 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

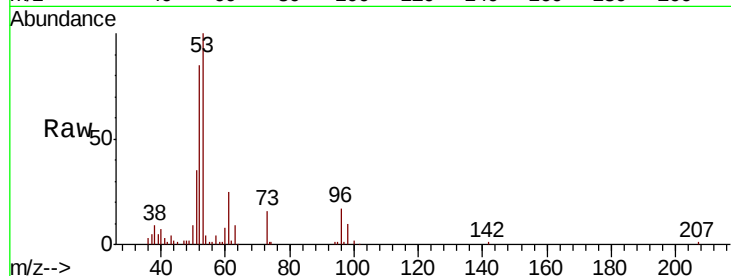
Tot Ion: 53 Resp: 210398

Ion Ratio Lower Upper

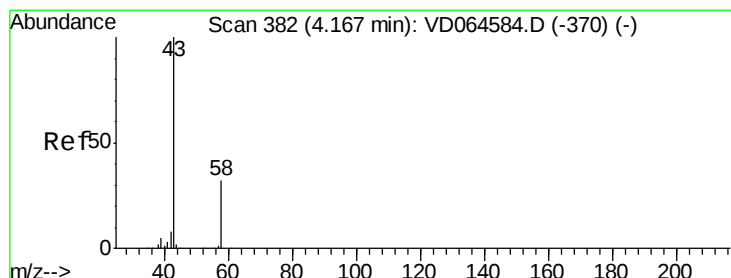
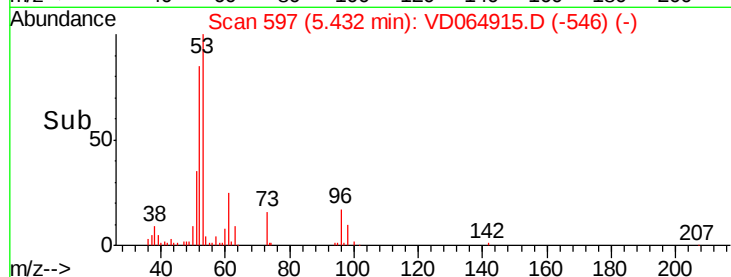
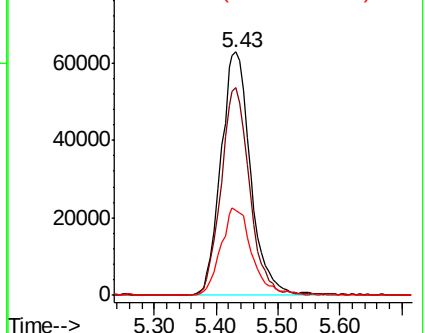
53 100

52 81.5 66.2 99.2

51 37.4 30.1 45.1



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



#16

Acetone

Concen: 344.766 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064915.D

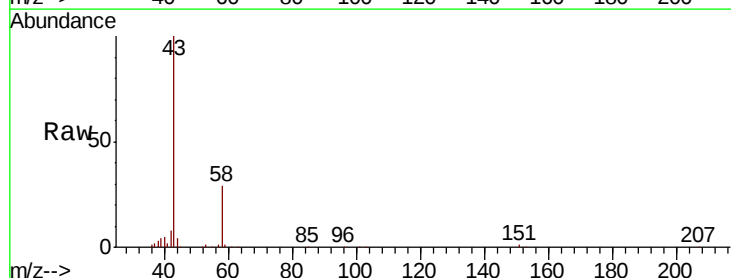
Acq: 22 Jan 2020 14:01

Tgt Ion: 43 Resp: 248639

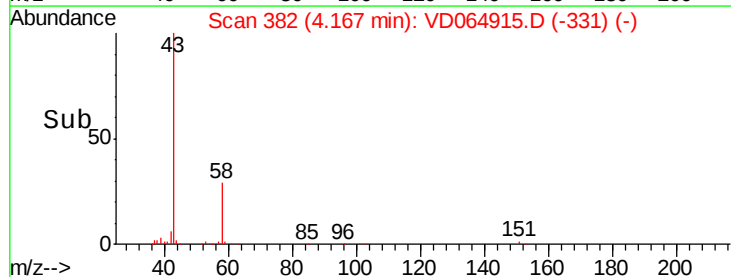
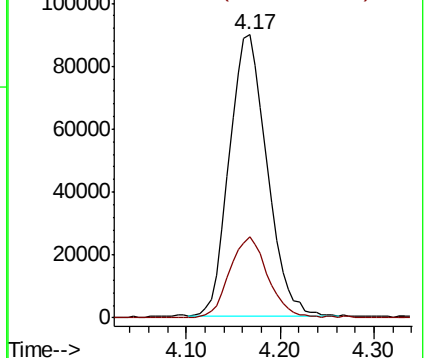
Ion Ratio Lower Upper

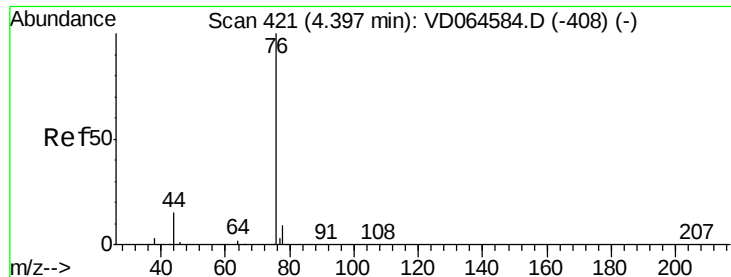
43 100

58 28.8 25.8 38.6



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

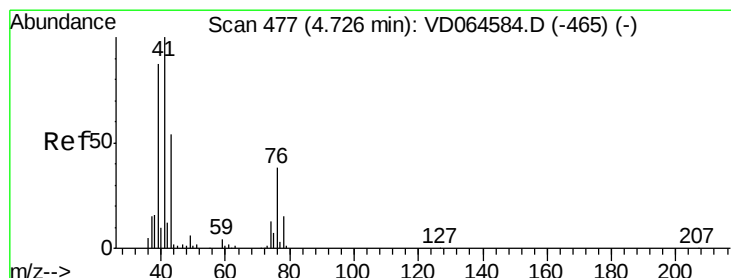
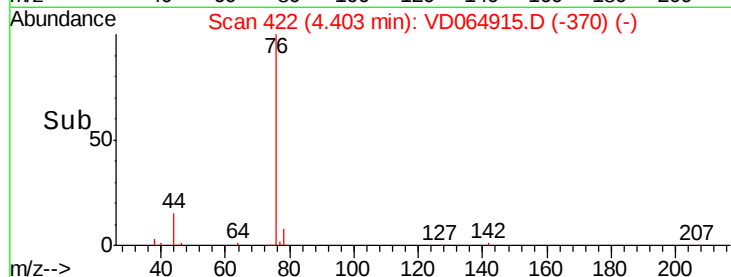
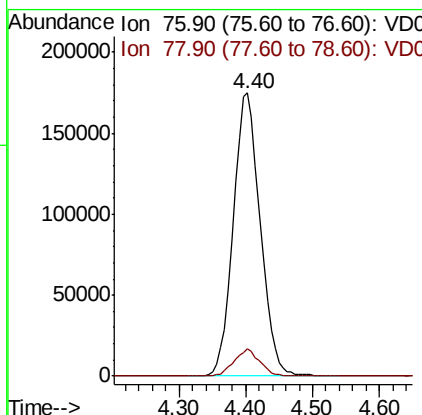
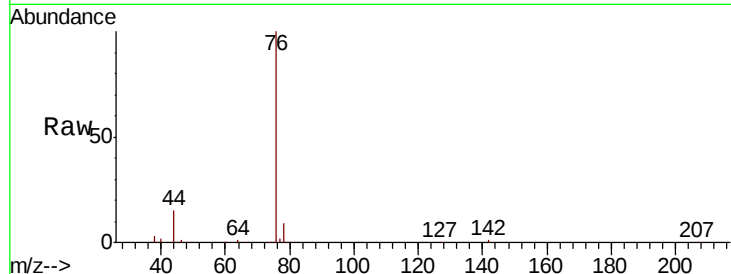




#17
Carbon Disulfide
Concen: 42.648 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

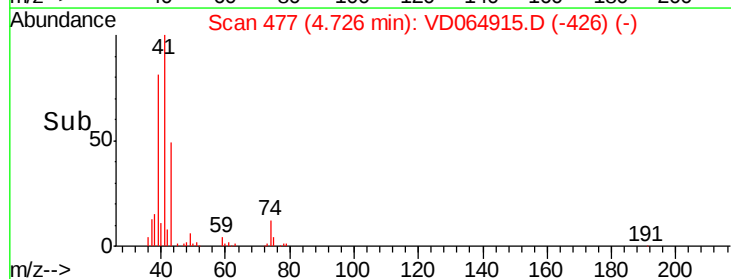
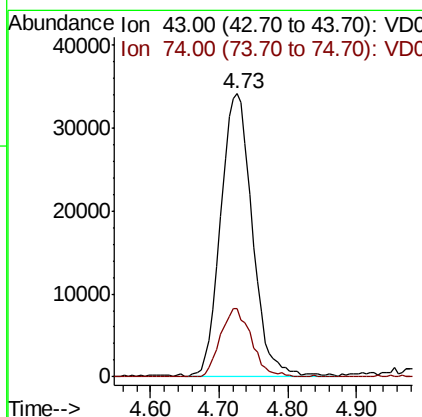
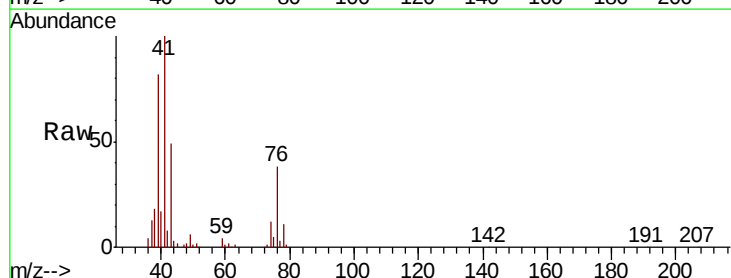
Instrument :
MSVOA_D
ClientSampleId :

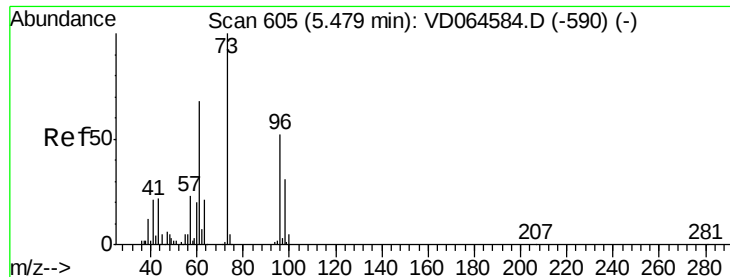
Tot Ion: 76 Resp: 491992
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 54.470 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 43 Resp: 109657
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



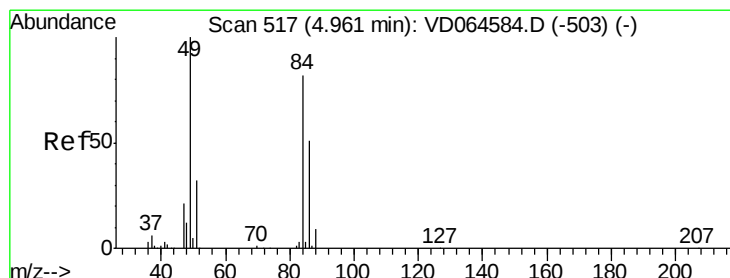
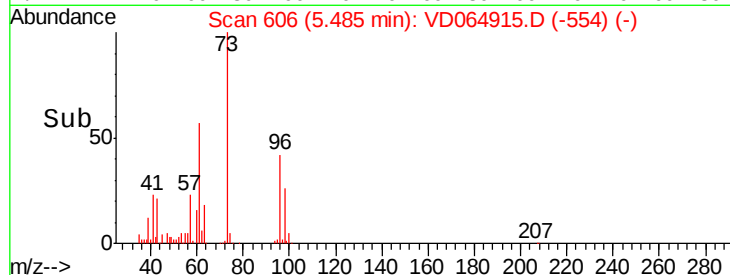
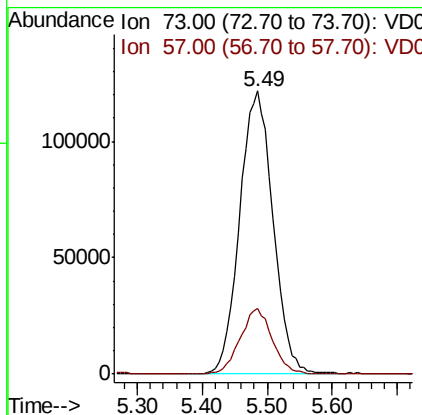
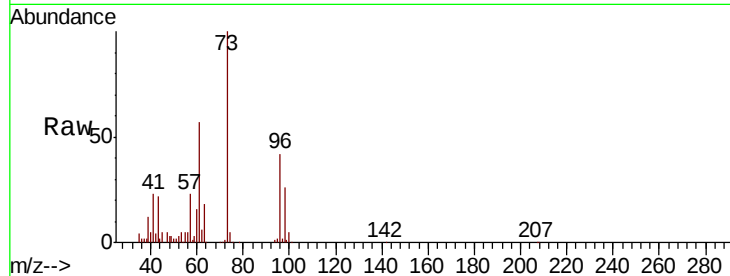


#19

Methyl tert-butyl Ether
 Concen: 54.462 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Instrument :
 MSVOA_D
 ClientSampleID :

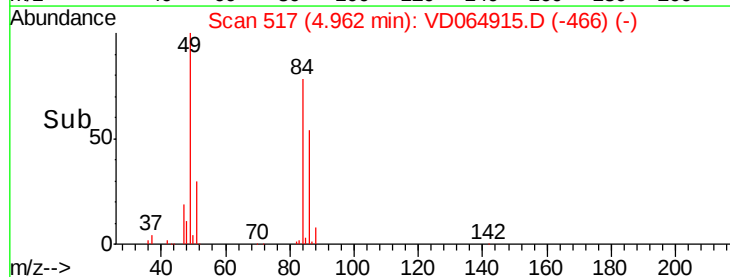
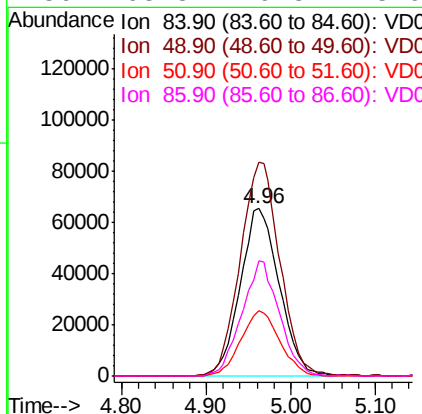
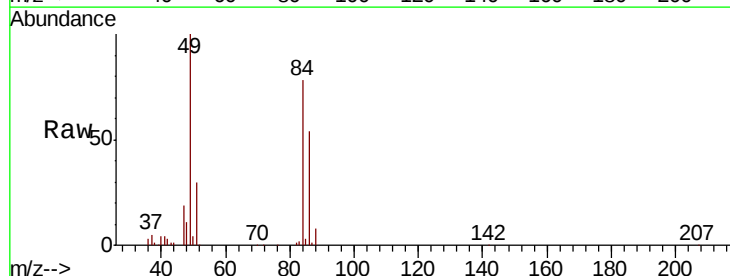
Tot Ion: 73 Resp: 431583
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.6 27.8

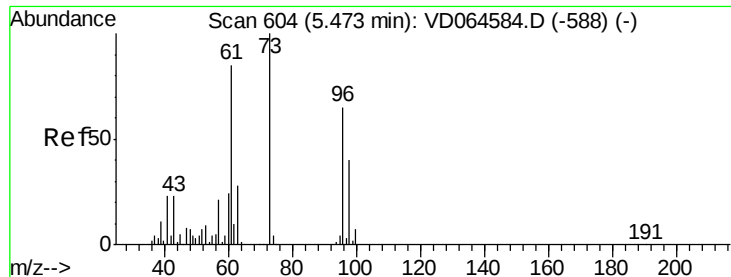


#20

Methylene Chloride
 Concen: 58.237 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion: 84 Resp: 210037
 Ion Ratio Lower Upper
 84 100
 49 127.8 97.2 145.8
 51 38.9 31.4 47.0
 86 68.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.075 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampled :

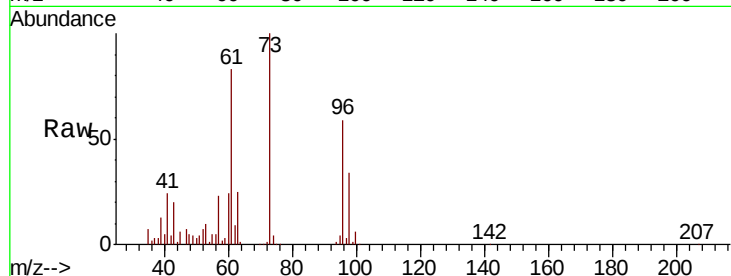
Tot Ion: 96 Resp: 207525

Ion Ratio Lower Upper

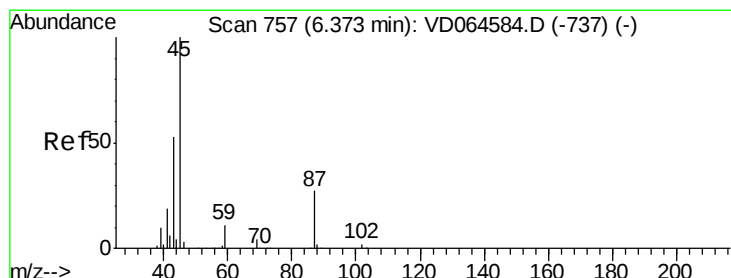
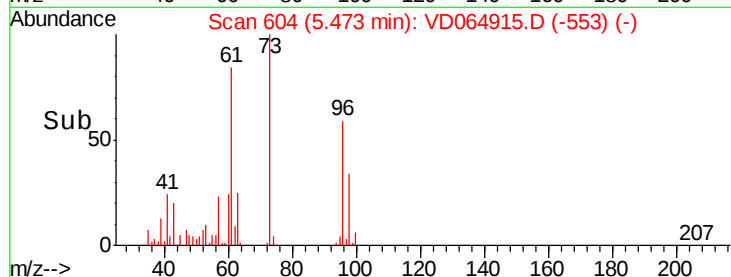
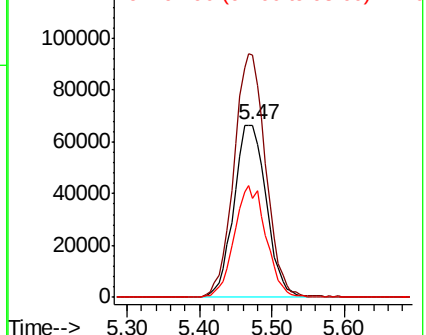
96 100

61 140.7 104.7 157.1

98 57.5 49.4 74.2



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



#22

Diisopropyl ether

Concen: 55.611 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Tgt Ion: 45 Resp: 617006

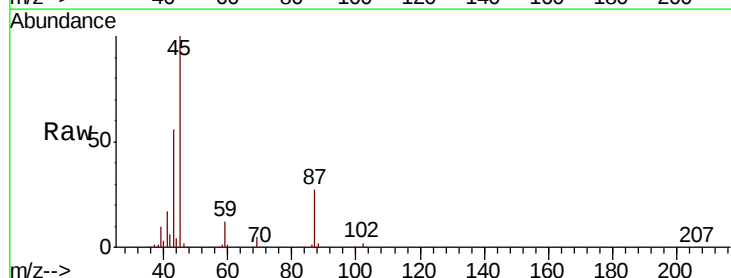
Ion Ratio Lower Upper

45 100

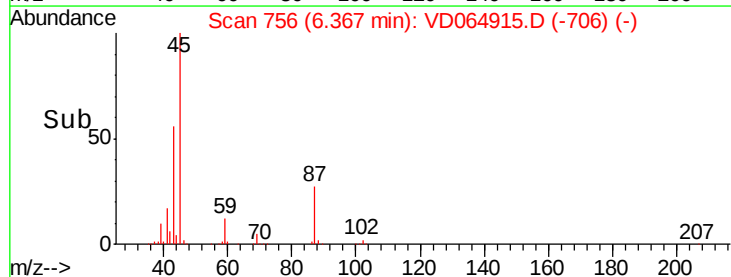
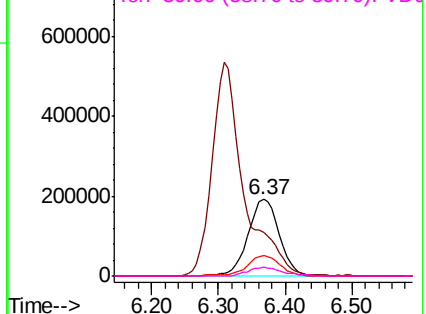
43 55.5 43.2 64.8

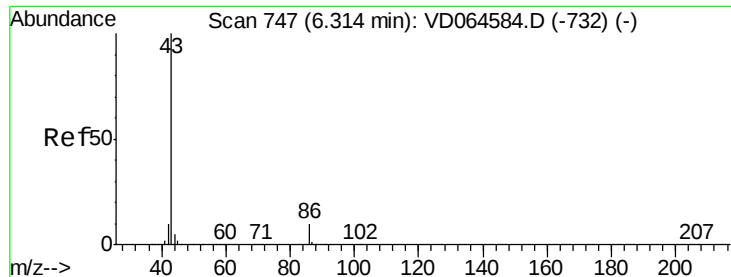
87 26.5 21.9 32.9

59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 282.463 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

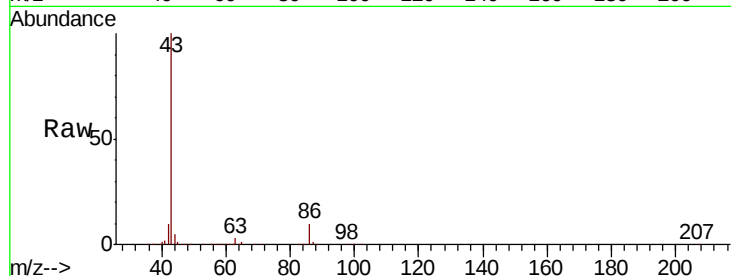
ClientSampleId :

Tot Ion: 43 Resp: 1777758

Ion Ratio Lower Upper

43 100

86 9.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

500000

400000

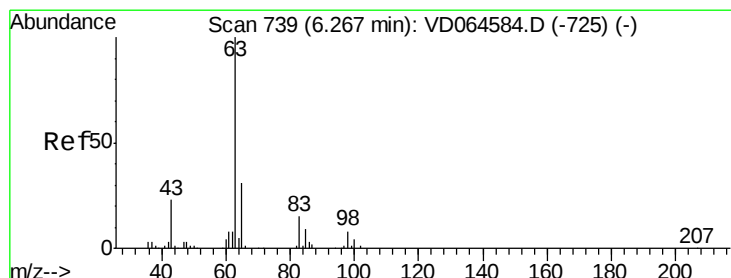
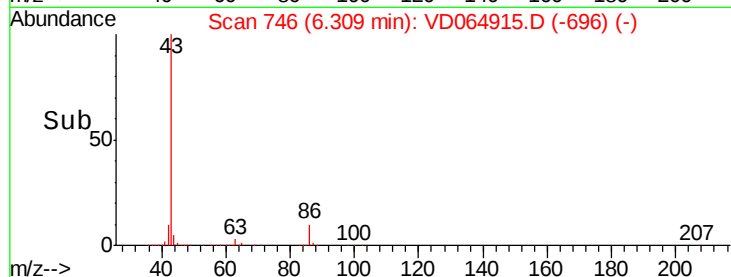
300000

200000

100000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 55.345 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

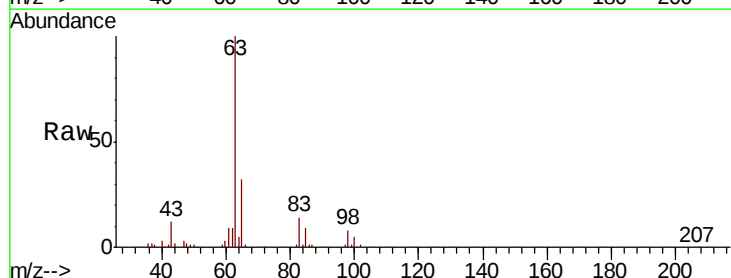
Tgt Ion: 63 Resp: 368638

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 5.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

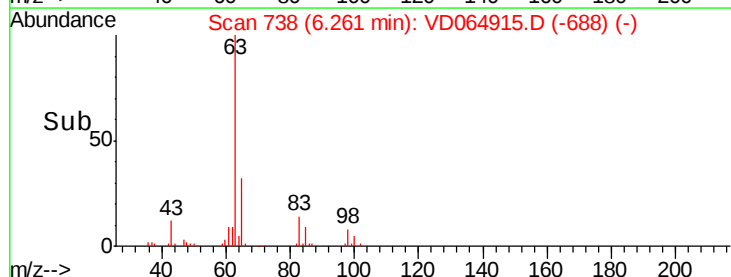
150000

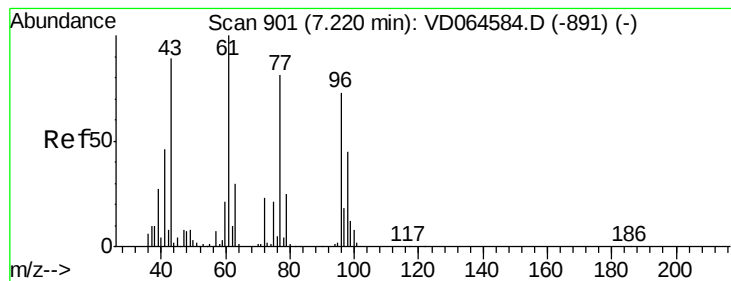
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 294.462 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

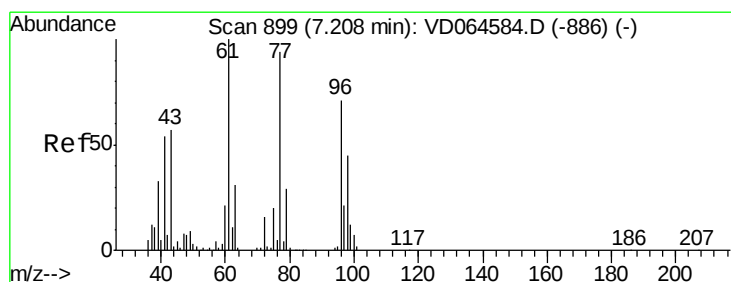
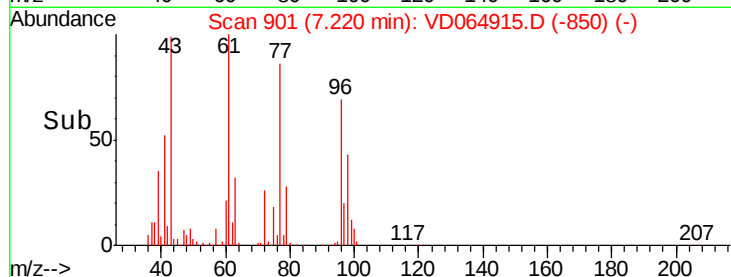
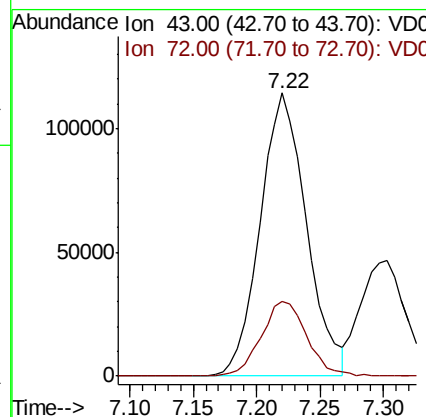
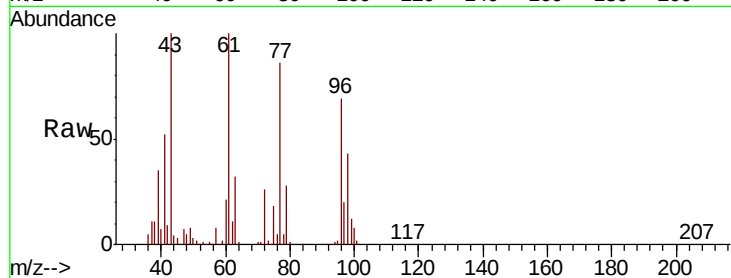
ClientSampled :

Tot Ion: 43 Resp: 289433

Ion Ratio Lower Upper

43 100

72 26.4 20.7 31.1



#26

2,2-Dichloropropane

Concen: 57.033 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064915.D

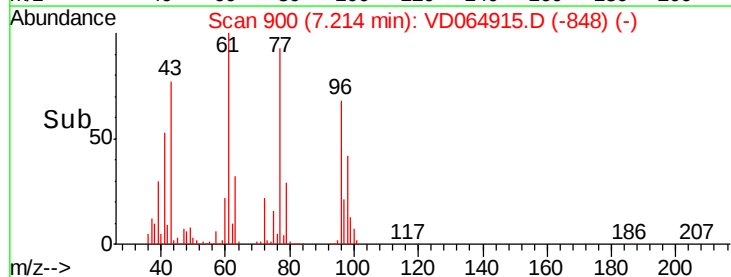
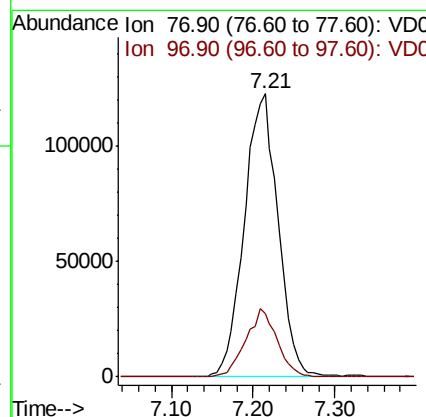
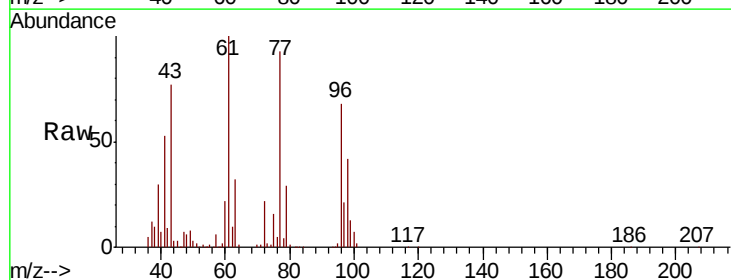
Acq: 22 Jan 2020 14:01

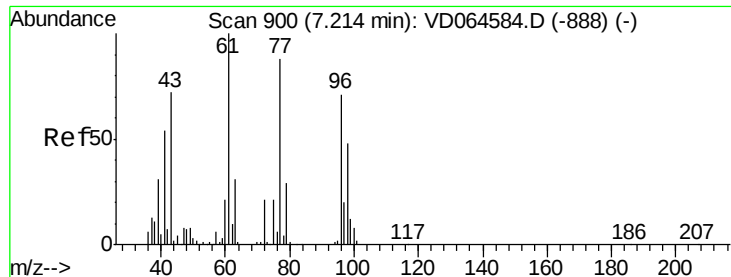
Tgt Ion: 77 Resp: 353195

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 52.835 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampled :

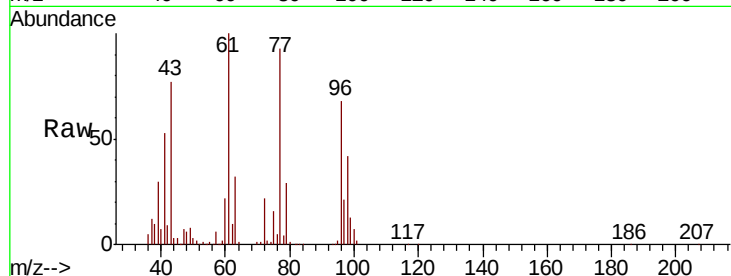
Tot Ion: 96 Resp: 231686

Ion Ratio Lower Upper

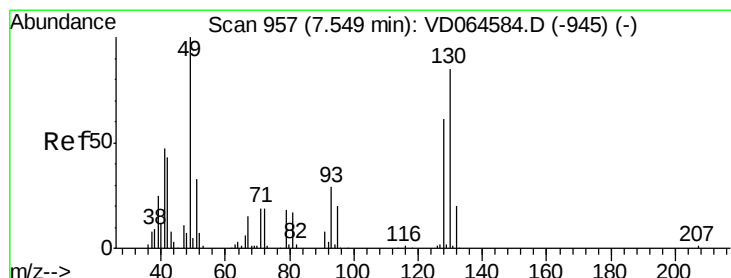
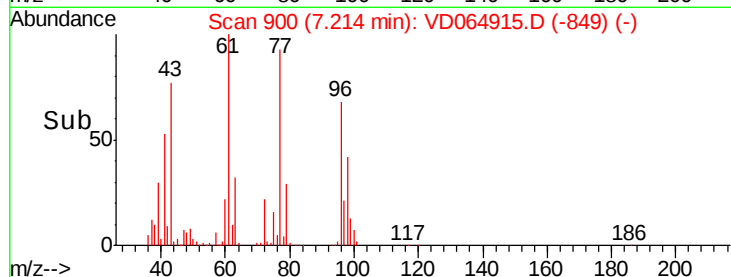
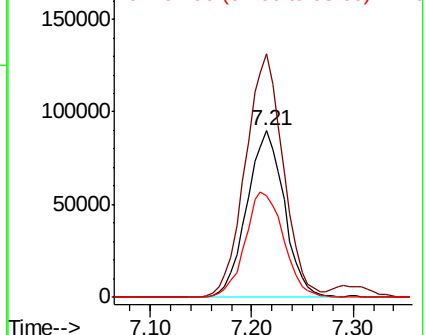
96 100

61 147.9 0.0 282.6

98 65.1 0.0 130.8



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



#28

Bromochloromethane

Concen: 54.810 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

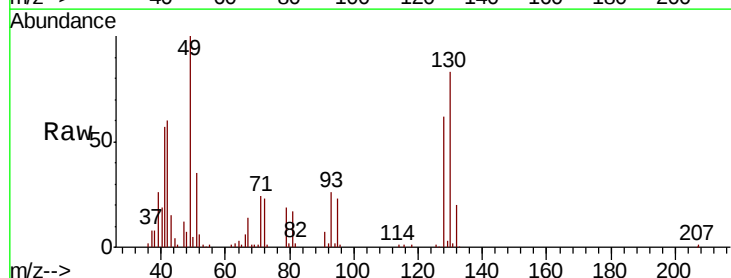
Tgt Ion: 49 Resp: 141915

Ion Ratio Lower Upper

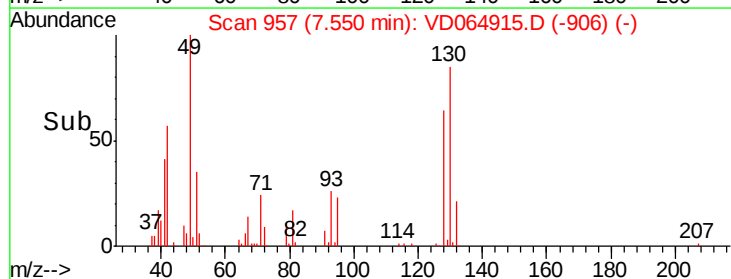
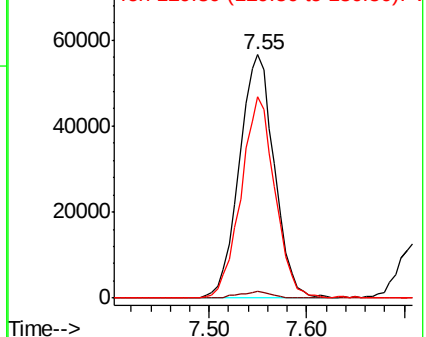
49 100

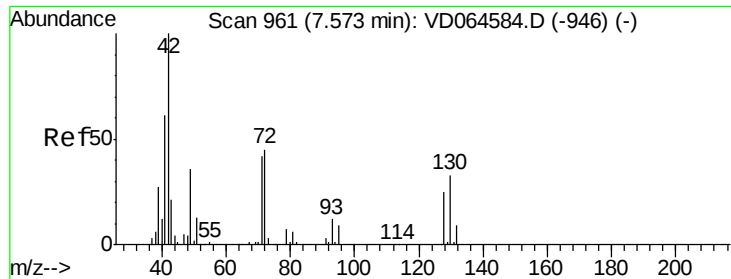
129 2.5 0.0 4.8

130 79.8 65.0 97.6



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

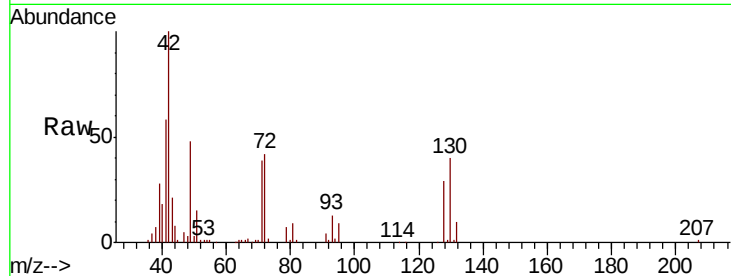




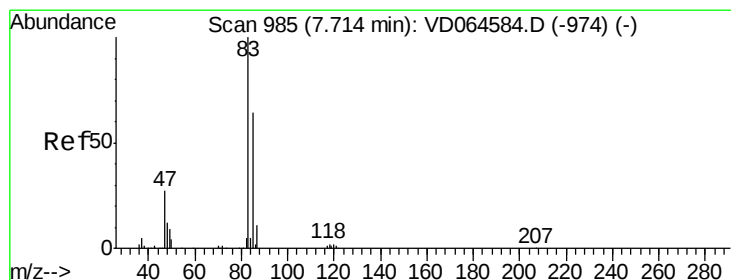
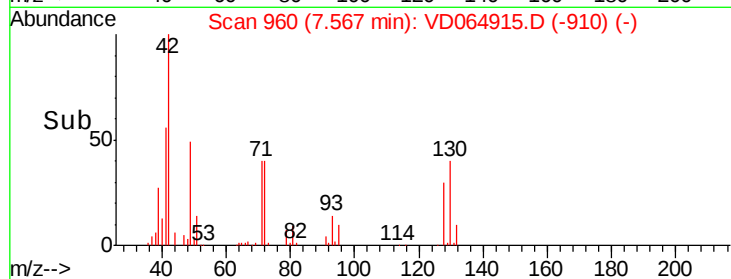
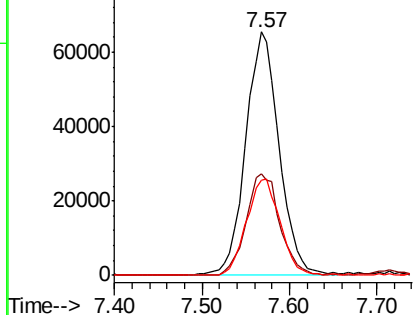
#29
Tetrahydrofuran
Concen: 278.211 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 170058
Ion Ratio Lower Upper
42 100
72 41.5 35.0 52.4
71 39.7 32.9 49.3

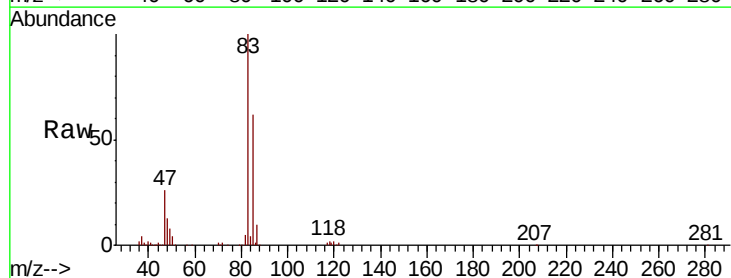


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

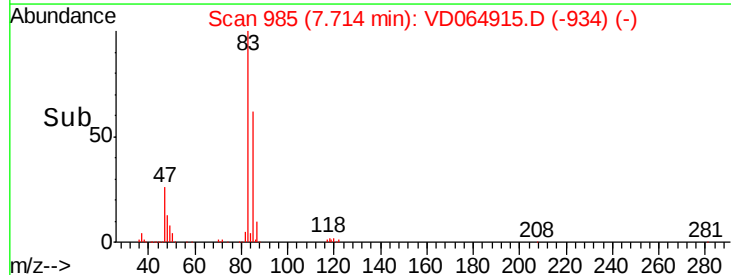
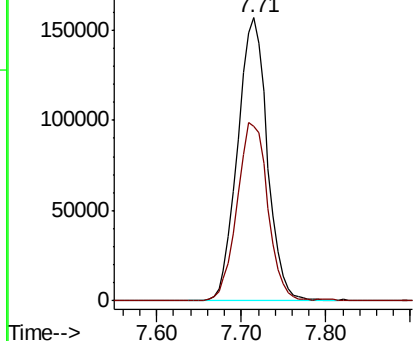


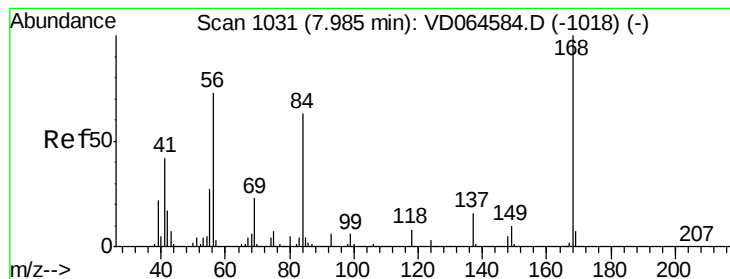
#30
Chloroform
Concen: 54.658 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 83 Resp: 381959
Ion Ratio Lower Upper
83 100
85 61.8 51.1 76.7



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





#31

Cyclohexane

Concen: 47.889 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampled :

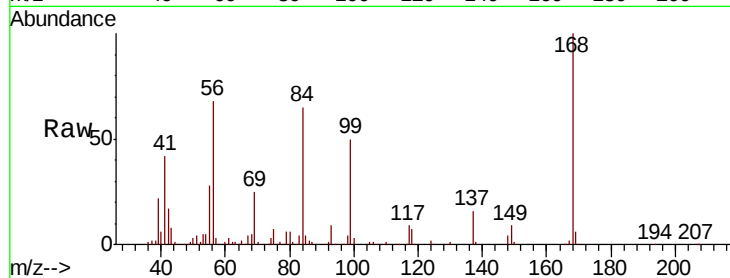
Tot Ion: 56 Resp: 319293

Ion Ratio Lower Upper

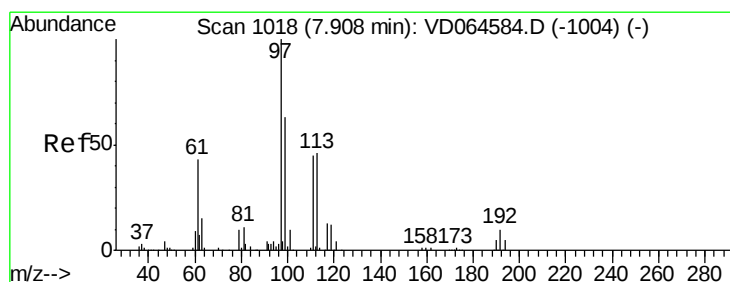
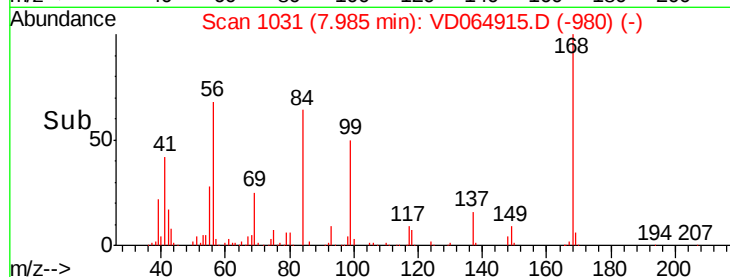
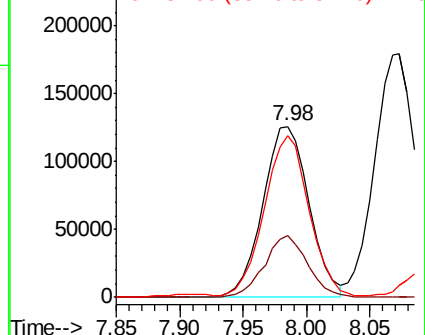
56 100

69 36.0 24.7 37.1

84 93.0 69.4 104.2



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



#32

1,1,1-Trichloroethane

Concen: 55.038 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

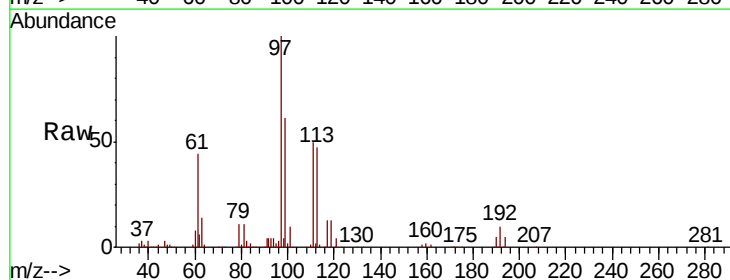
Tgt Ion: 97 Resp: 361255

Ion Ratio Lower Upper

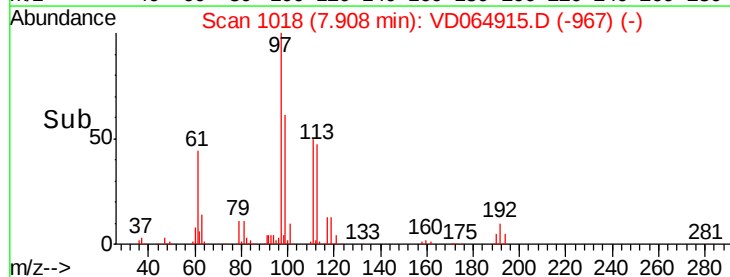
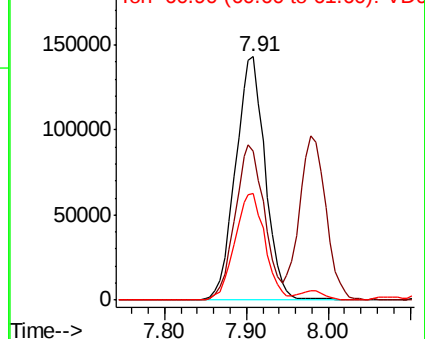
97 100

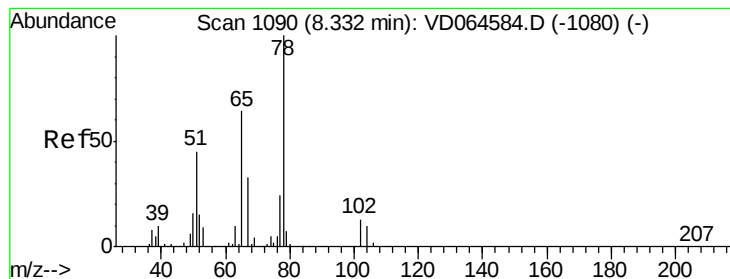
99 63.2 51.0 76.6

61 44.6 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 56.107 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

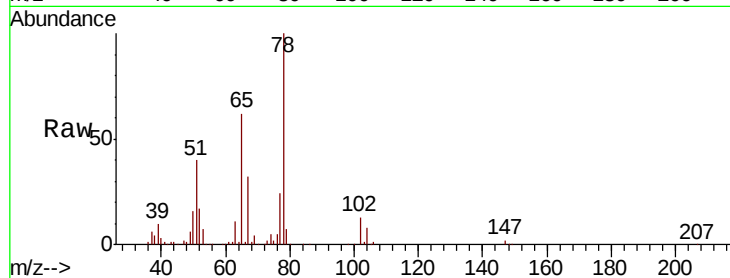
ClientSampled :

Tot Ion: 65 Resp: 200630

Ion Ratio Lower Upper

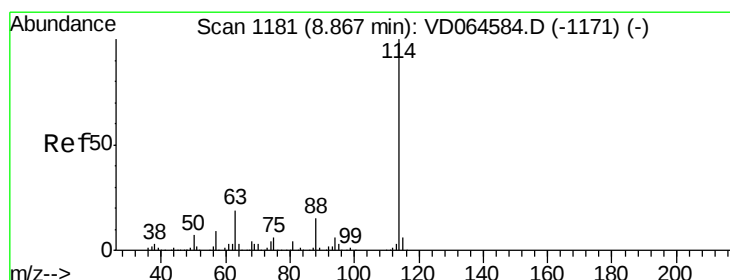
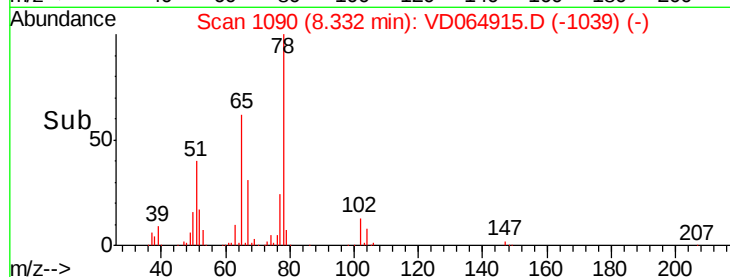
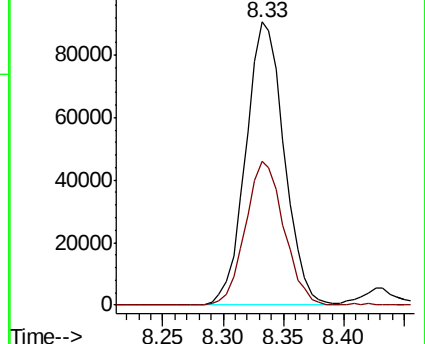
65 100

67 51.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

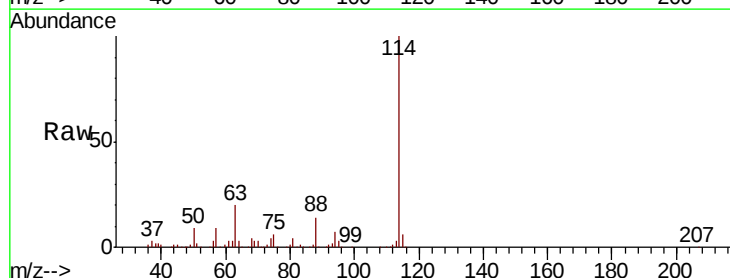
Tgt Ion: 114 Resp: 575742

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

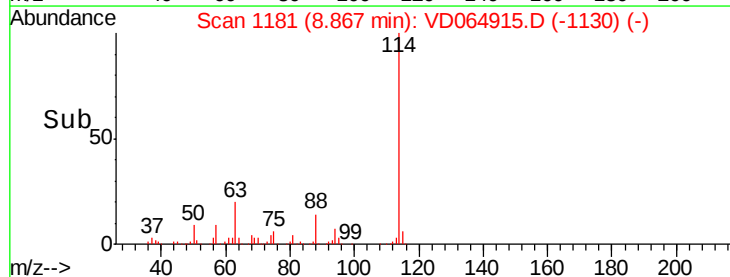
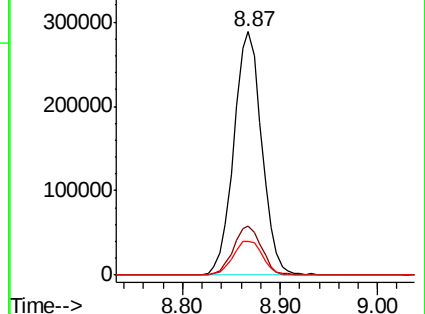
88 14.0 0.0 29.2

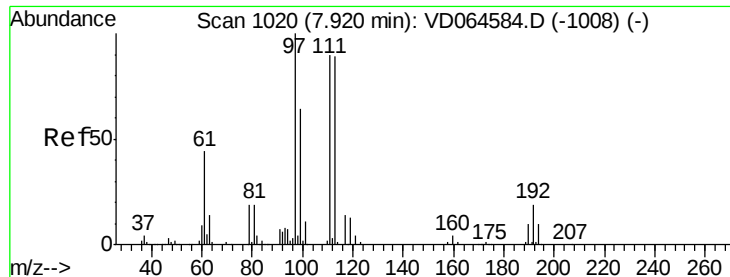


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

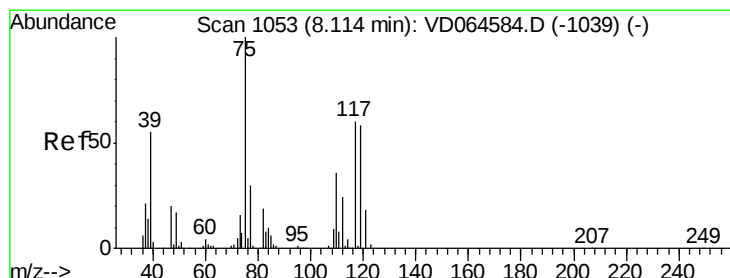
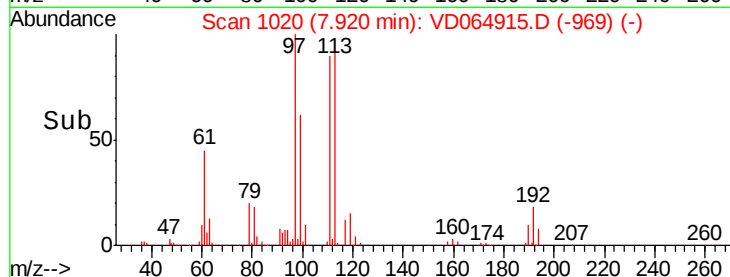
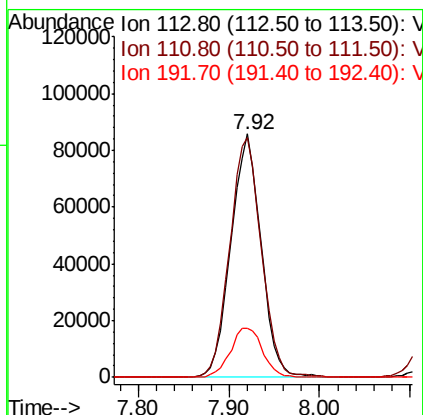
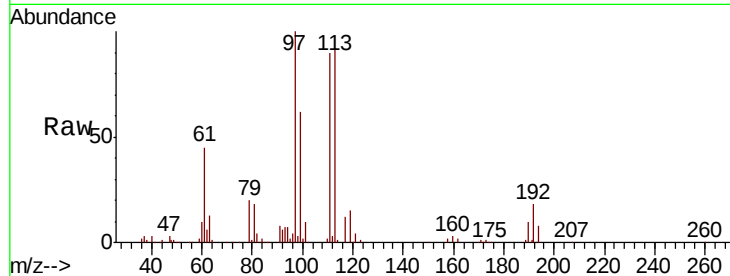




#35
 Dibromofluoromethane
 Concen: 56.191 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

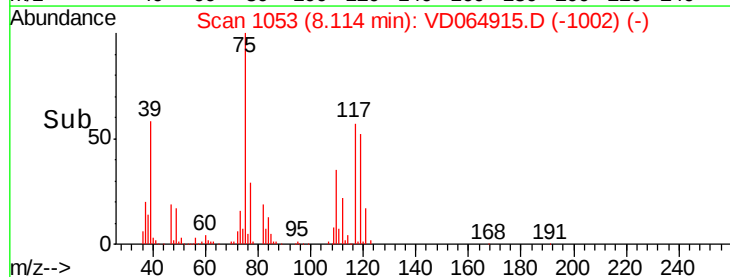
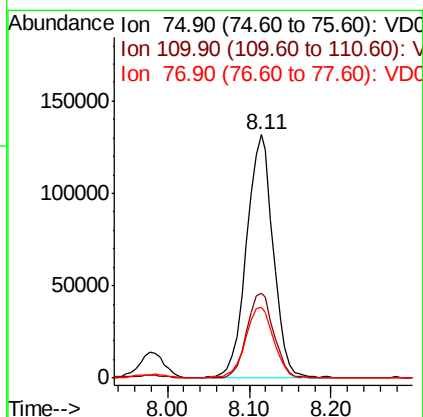
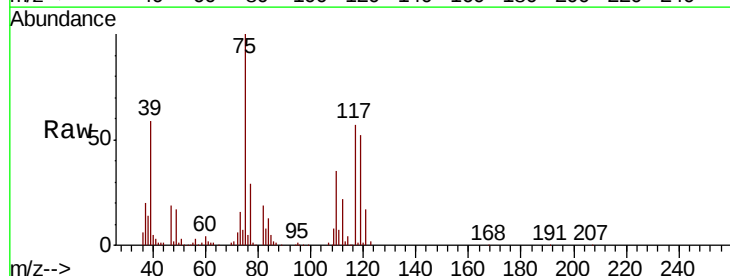
Instrument :
 MSVOA_D
 ClientSampleID :

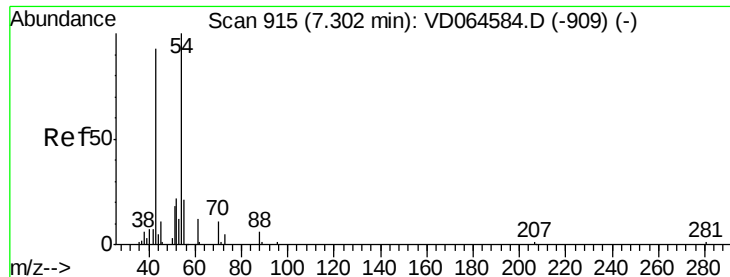
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	21.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 54.076 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	18.1	54.1
77	30.9	24.2	36.4

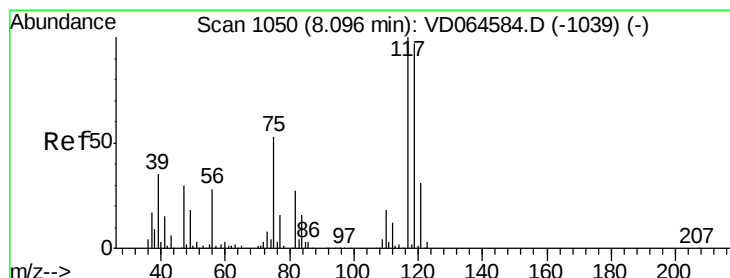
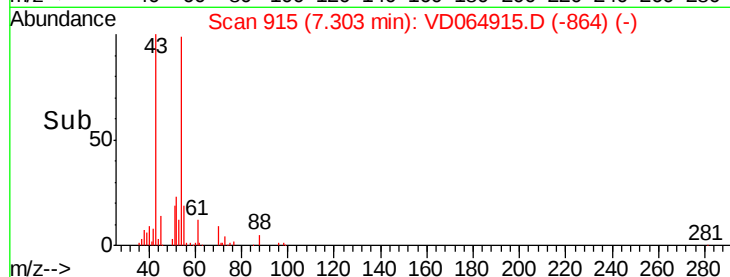
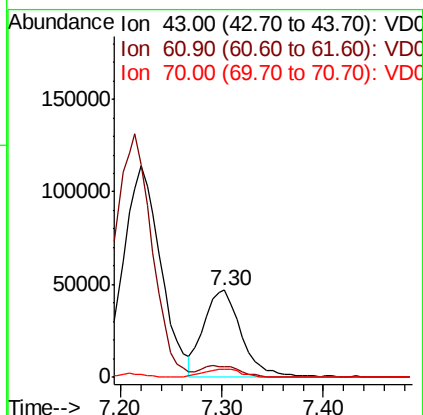
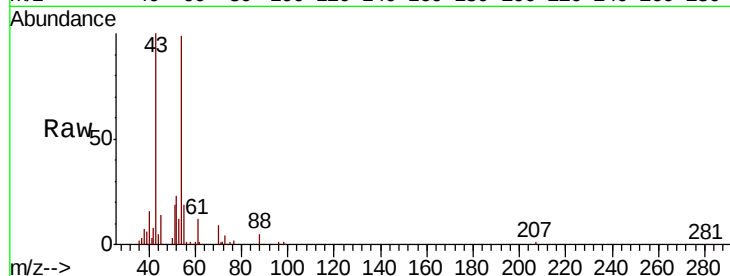




#37
Ethyl Acetate
Concen: 55.244 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

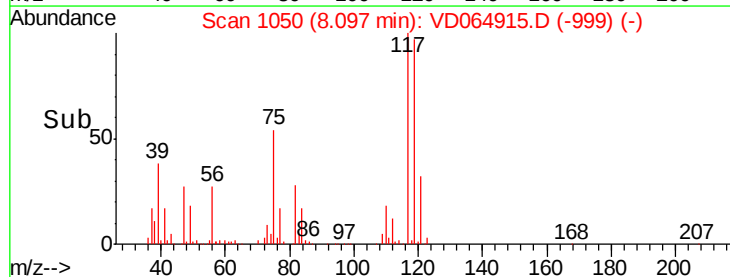
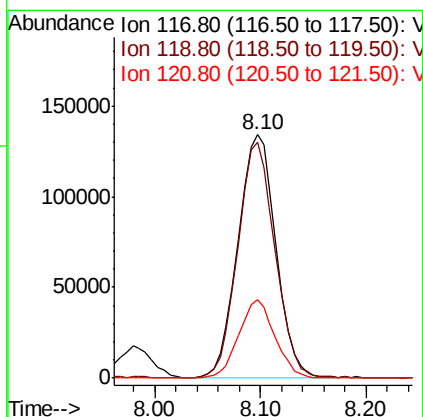
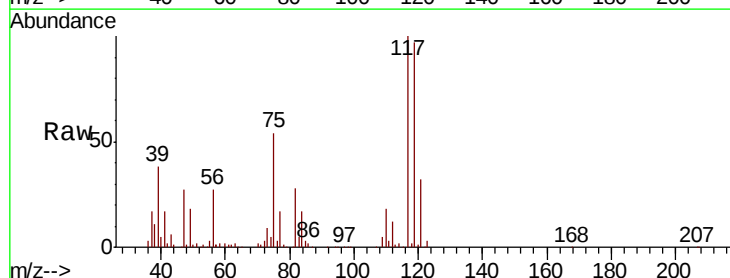
Instrument :
MSVOA_D
ClientSampleId :

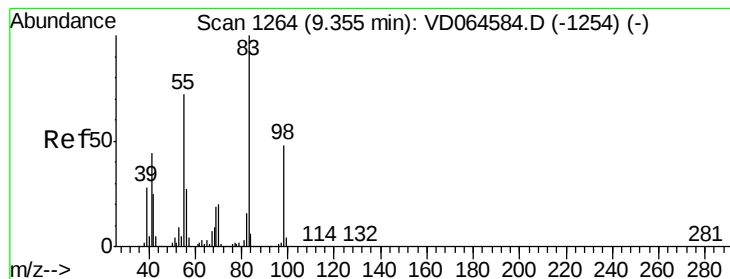
Tot Ion: 43 Resp: 120266
Ion Ratio Lower Upper
43 100
61 14.0 10.3 15.5
70 9.4 7.6 11.4



#38
Carbon Tetrachloride
Concen: 56.587 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 117 Resp: 334368
Ion Ratio Lower Upper
117 100
119 96.8 77.3 115.9
121 32.1 25.0 37.6





#39

Methvlcvclohexane

Concen: 51.721 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

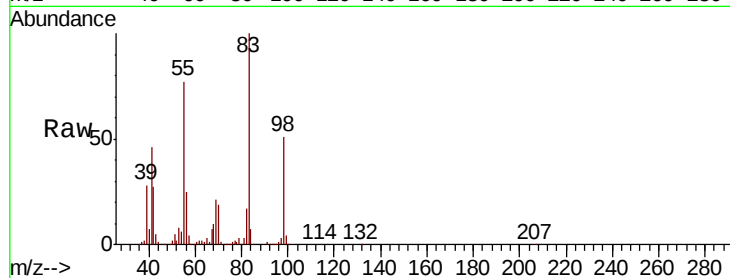
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 347136

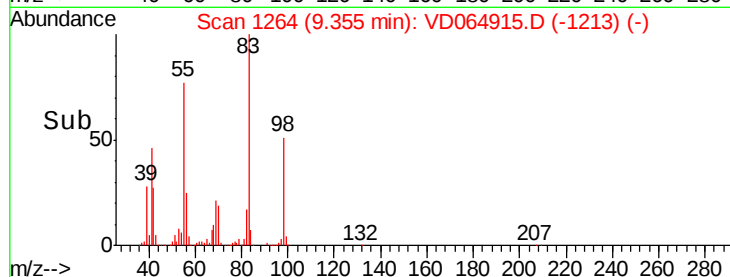
Ion	Ratio	Lower	Upper
83	100		
55	77.5	57.8	86.6
98	51.3	38.7	58.1



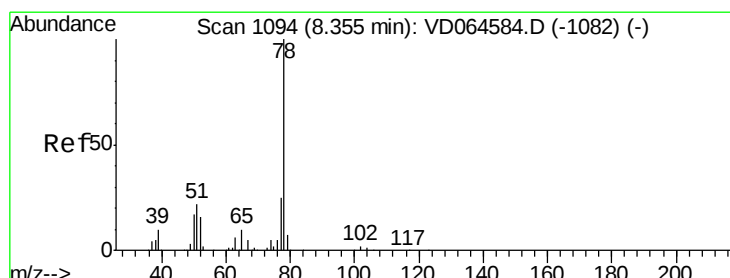
Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



Time-->



#40

Benzene

Concen: 54.322 ug/l

RT: 8.36 min Scan# 1094

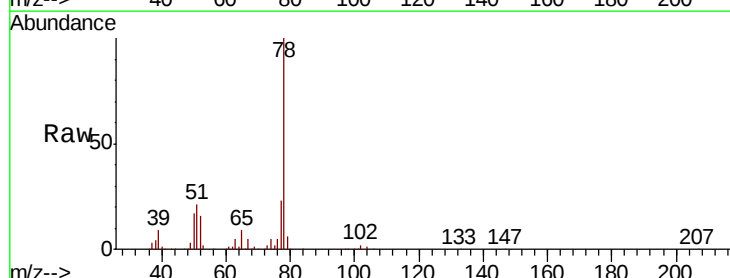
Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

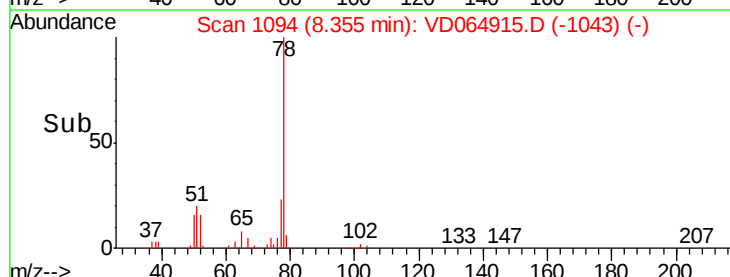
Tgt Ion: 78 Resp: 821770

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.9	29.9

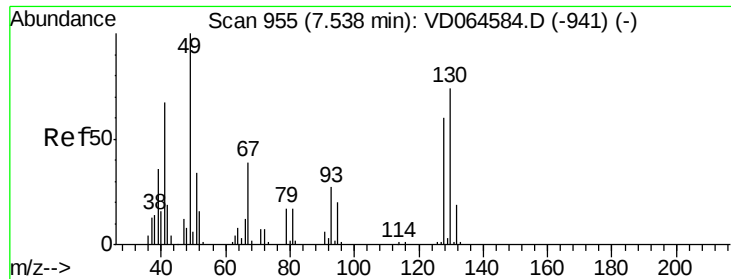


Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC



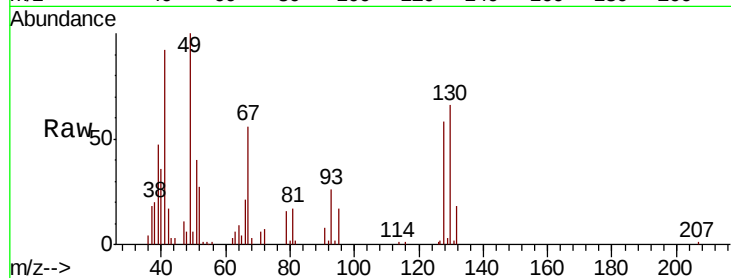
Time-->



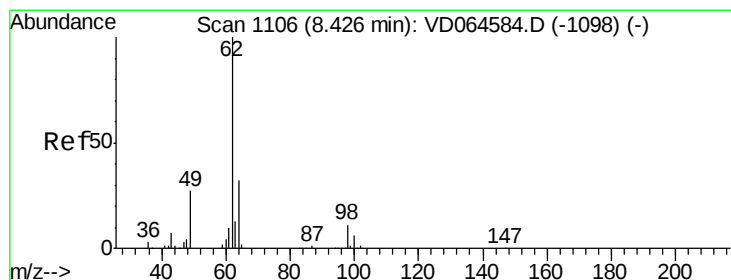
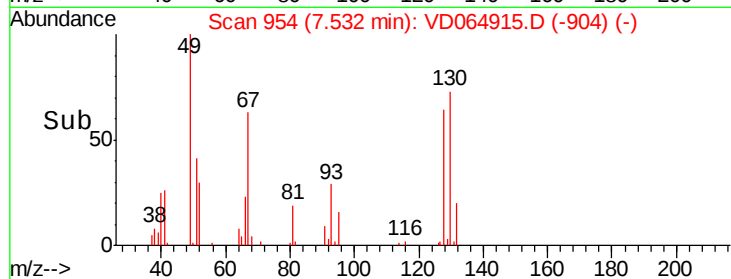
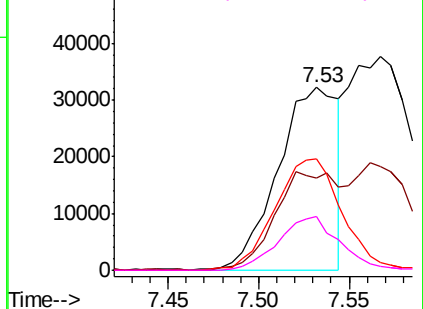
#41
Methacrylonitrile
Concen: 59.332 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 74942
Ion Ratio Lower Upper
41 100
39 54.6 46.7 70.1
67 68.0 52.5 78.7
52 29.9 24.1 36.1

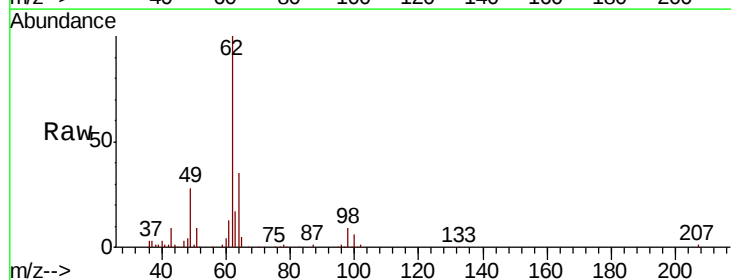


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

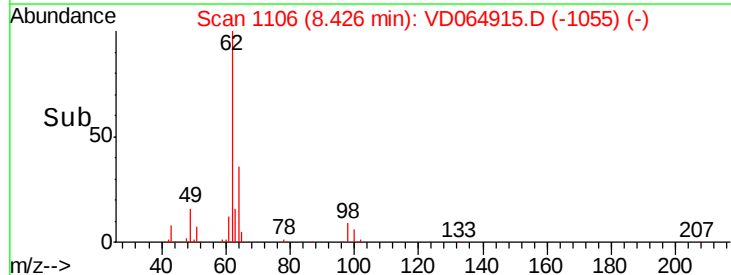
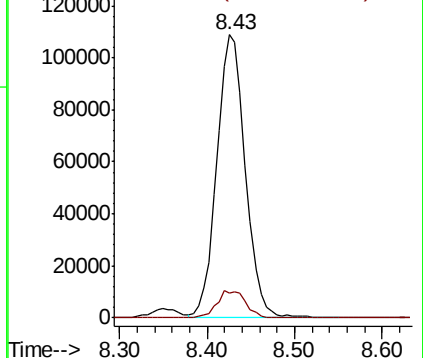


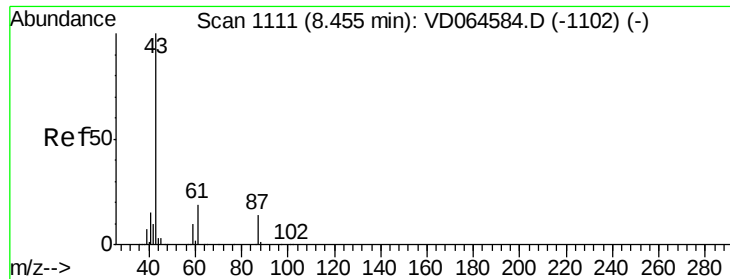
#42
1,2-Dichloroethane
Concen: 55.970 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 62 Resp: 244676
Ion Ratio Lower Upper
62 100
98 9.8 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 55.597 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampled :

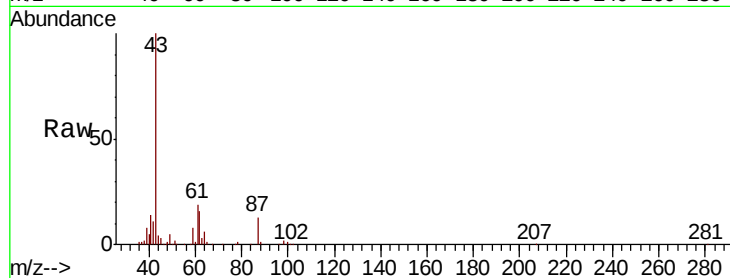
Tot Ion: 43 Resp: 240906

Ion Ratio Lower Upper

43 100

61 28.9 23.7 35.5

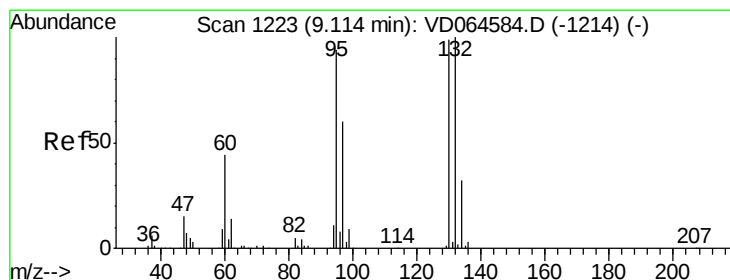
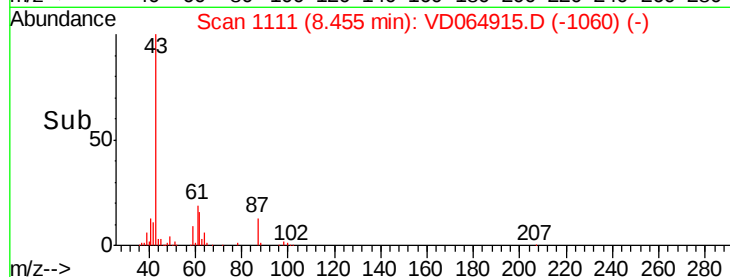
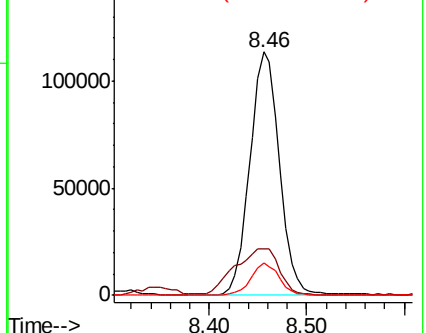
87 12.5 10.5 15.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.448 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064915.D

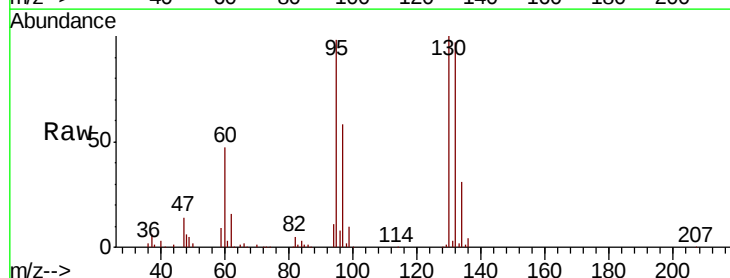
Acq: 22 Jan 2020 14:01

Tgt Ion:130 Resp: 233081

Ion Ratio Lower Upper

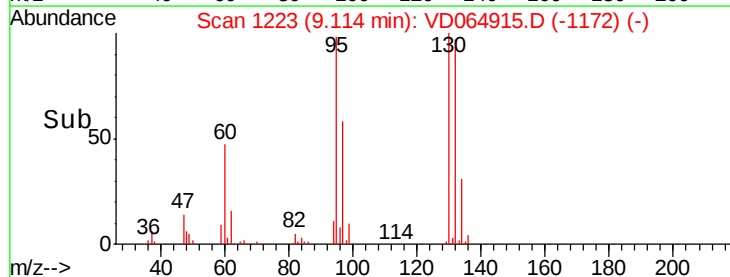
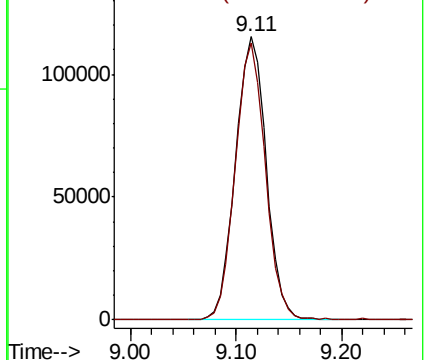
130 100

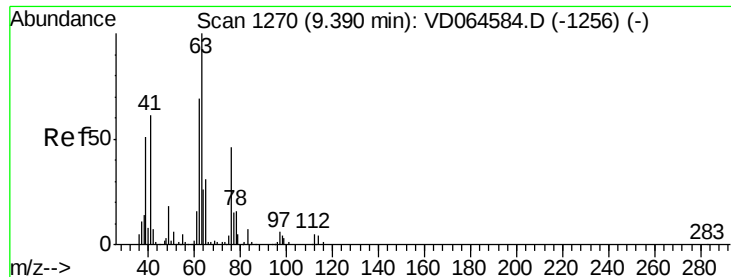
95 97.7 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

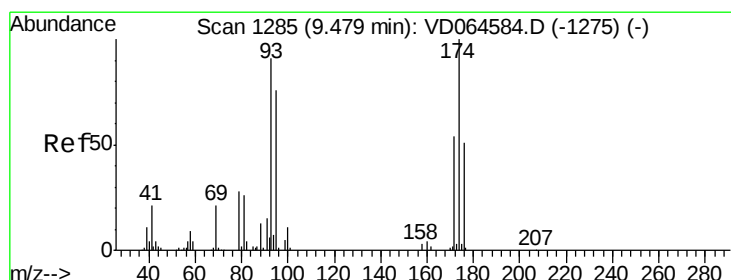
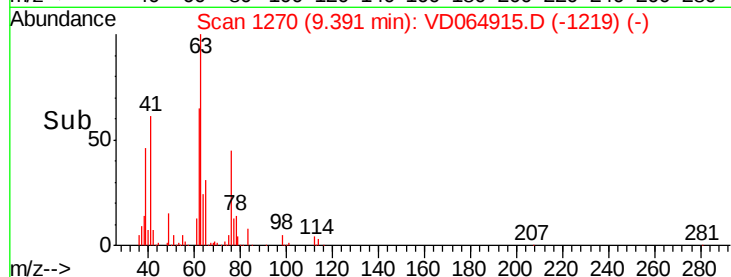
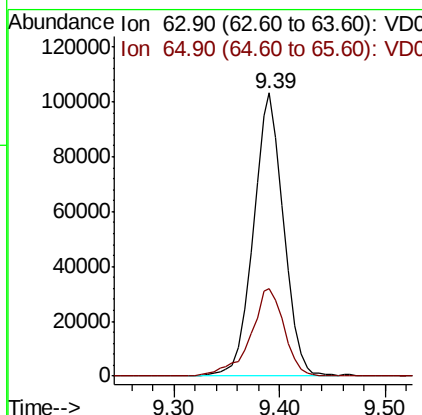
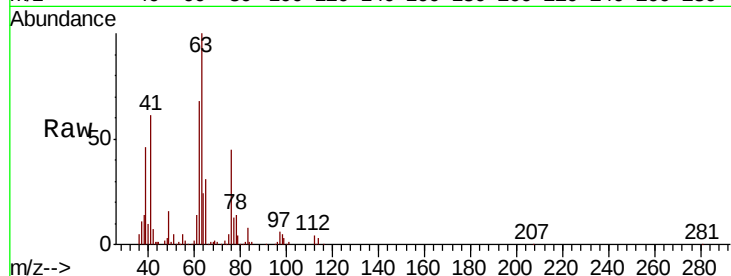




#45
 1,2-Dichloropropane
 Concen: 56.657 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

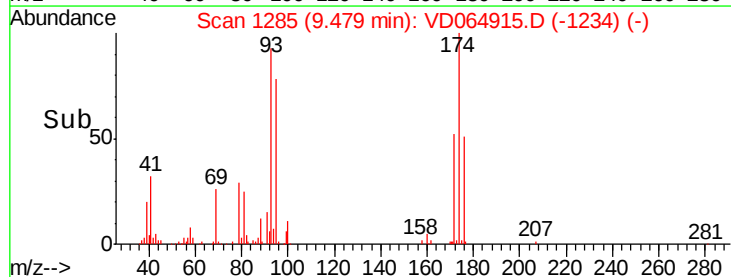
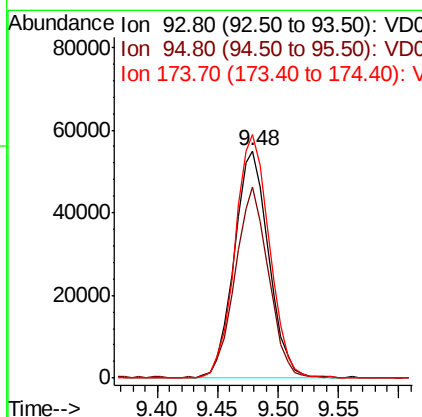
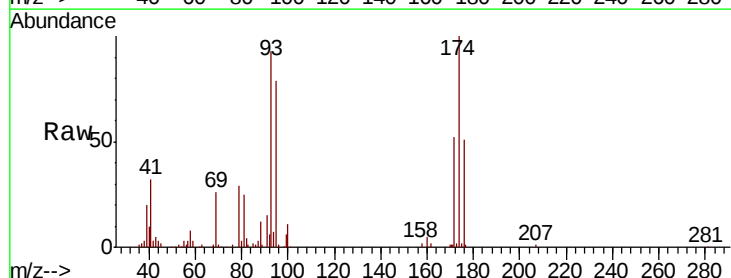
Instrument :
 MSVOA_D
 ClientSampleId :

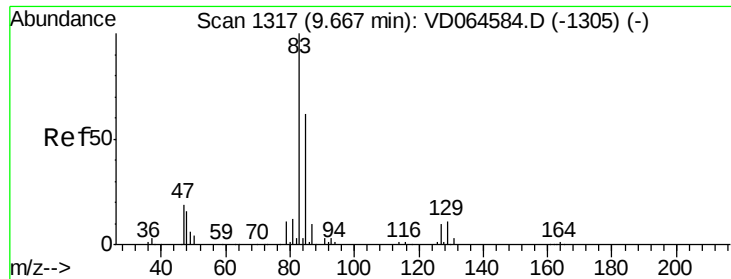
Tot Ion: 63 Resp: 204641
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.2 37.8



#46
 Dibromomethane
 Concen: 54.278 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion: 93 Resp: 109304
 Ion Ratio Lower Upper
 93 100
 95 82.4 64.6 97.0
 174 107.4 88.1 132.1





#47

Bromodichloromethane

Concen: 55.813 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

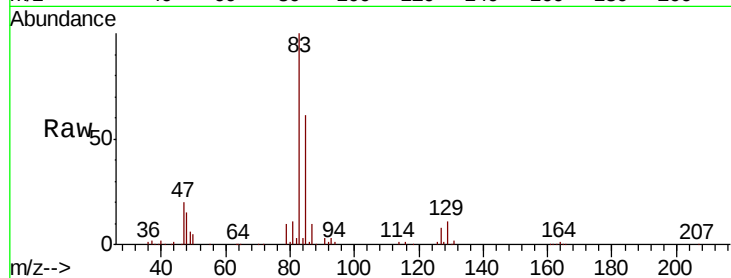
Tot Ion: 83 Resp: 299079

Ion Ratio Lower Upper

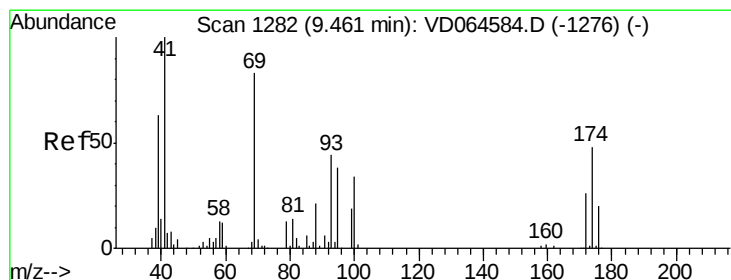
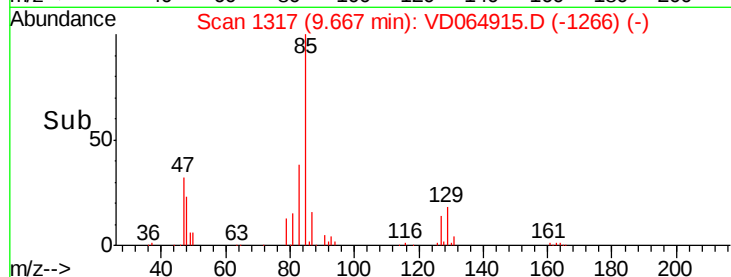
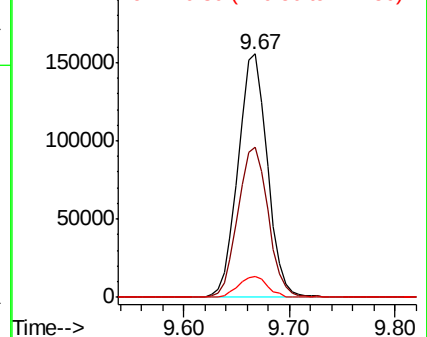
83 100

85 61.4 49.5 74.3

127 8.5 7.8 11.6



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



#48

Methyl methacrylate

Concen: 53.942 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

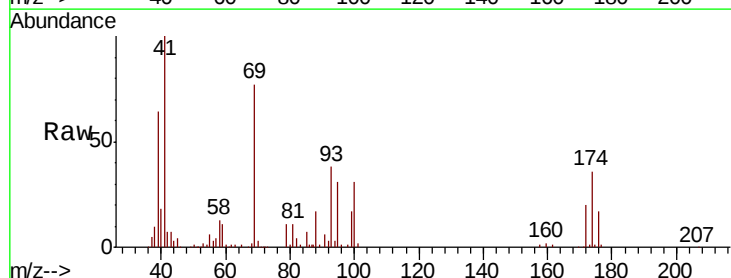
Tgt Ion: 41 Resp: 110057

Ion Ratio Lower Upper

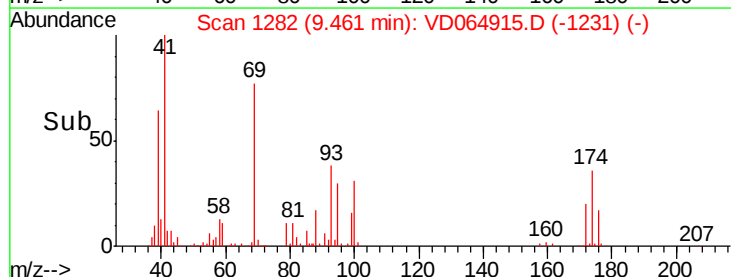
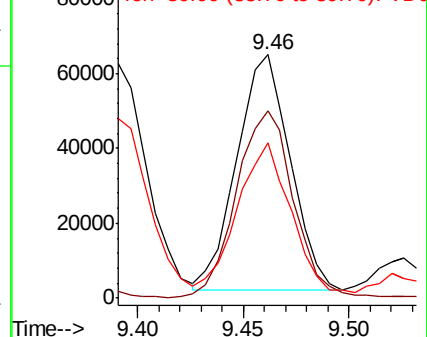
41 100

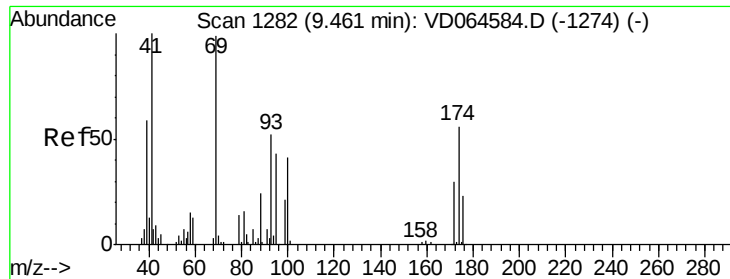
69 86.4 63.0 94.6

39 63.4 47.4 71.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

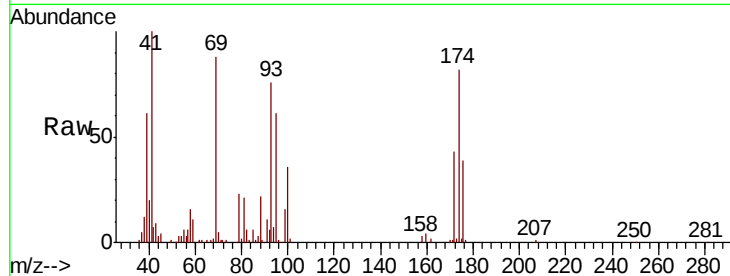




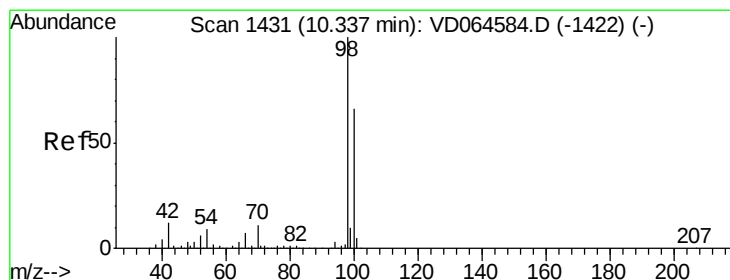
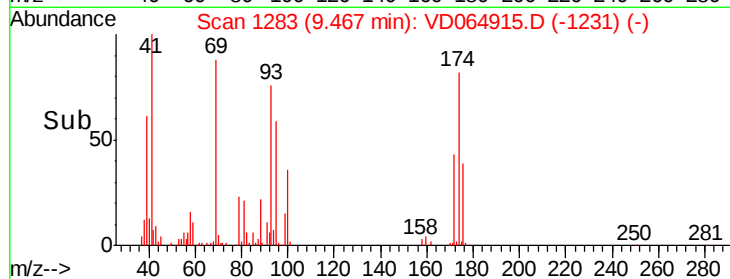
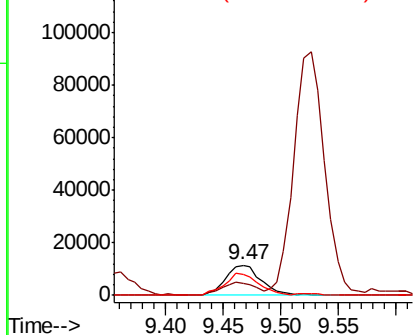
#49
1,4-Dioxane
Concen: 1068.293 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 24806
Ion Ratio Lower Upper
88 100
43 41.3 27.7 41.5
58 68.2 53.8 80.6

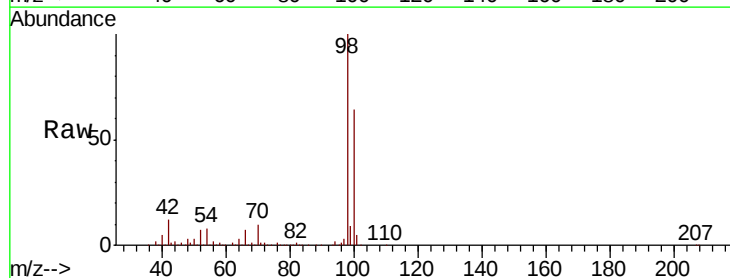


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

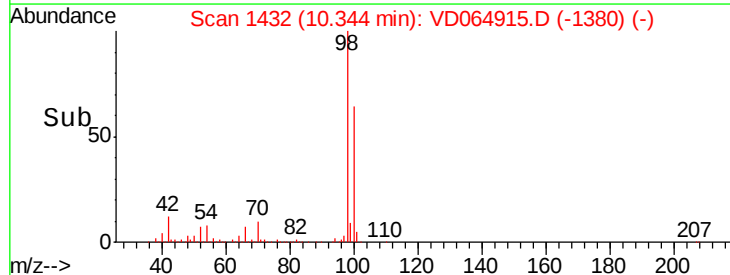
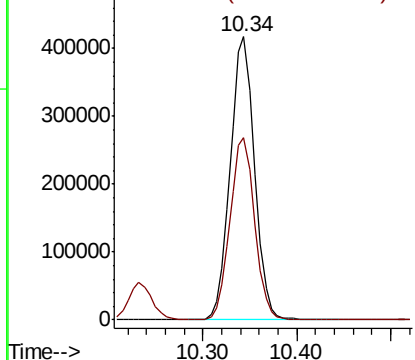


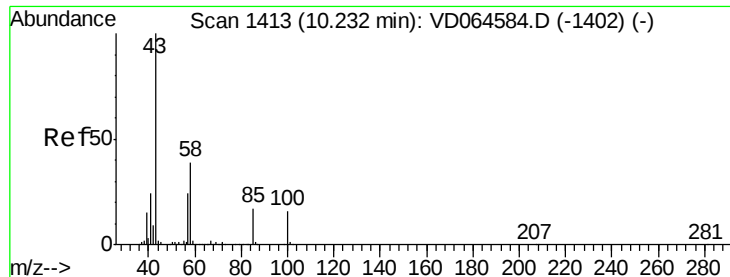
#50
Toluene-d8
Concen: 55.443 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 98 Resp: 750042
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



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

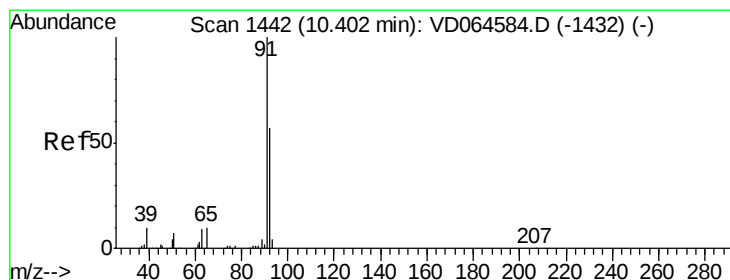
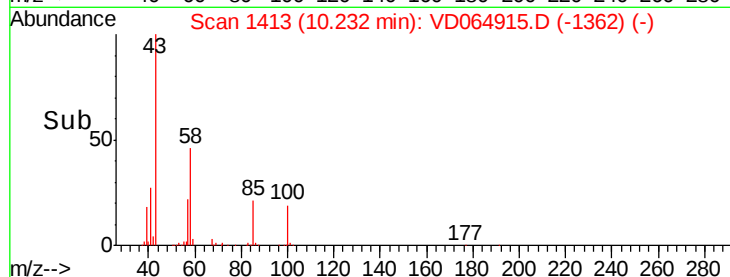
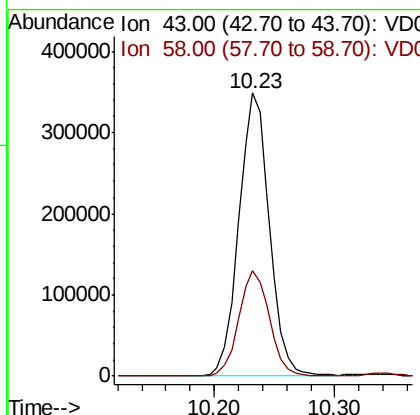
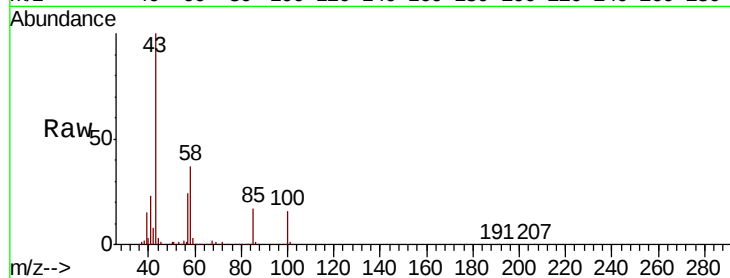




#51
4-Methyl-2-Pentanone
Concen: 285.958 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

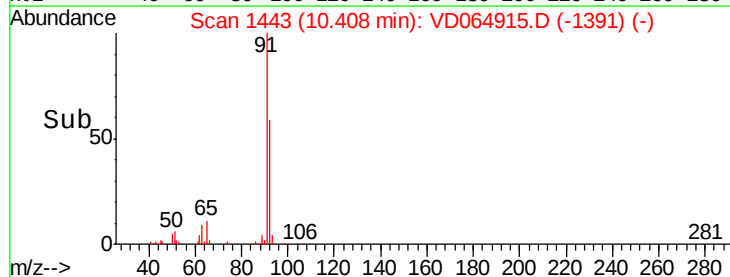
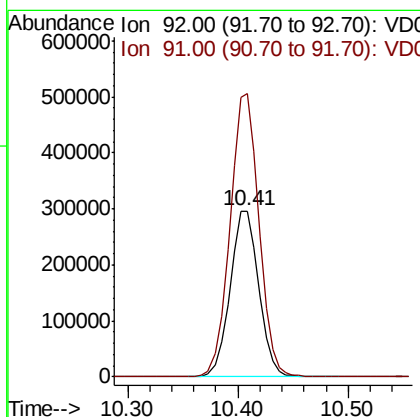
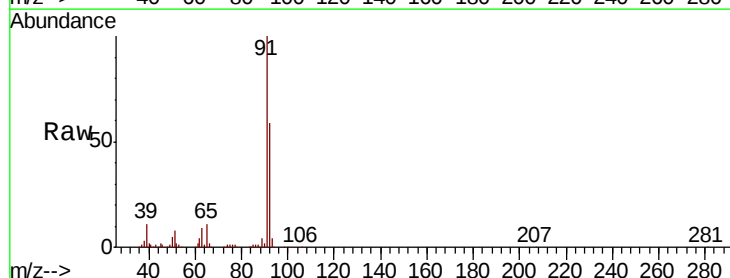
Instrument :
MSVOA_D
ClientSampled :

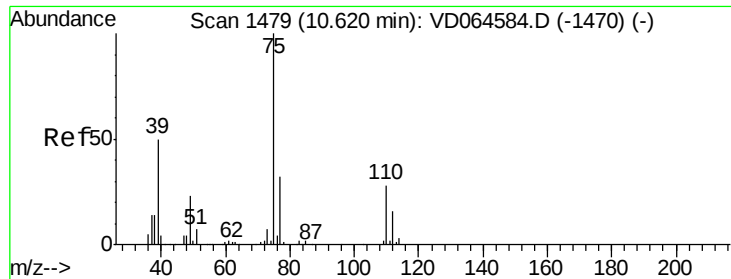
Tot Ion: 43 Resp: 612454
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.2



#52
Toluene
Concen: 54.541 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 92 Resp: 541313
Ion Ratio Lower Upper
92 100
91 172.2 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 56.467 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

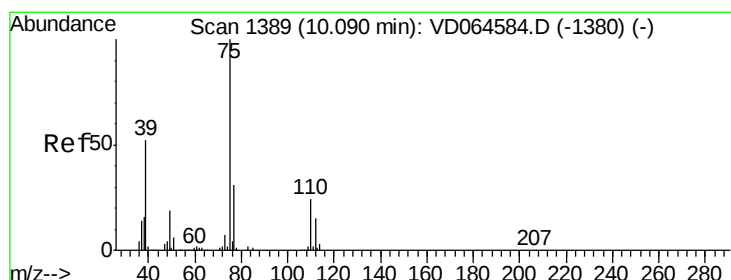
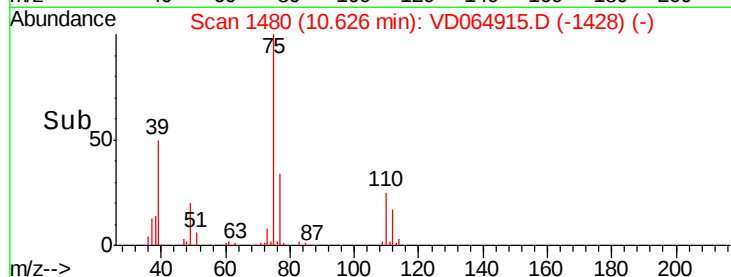
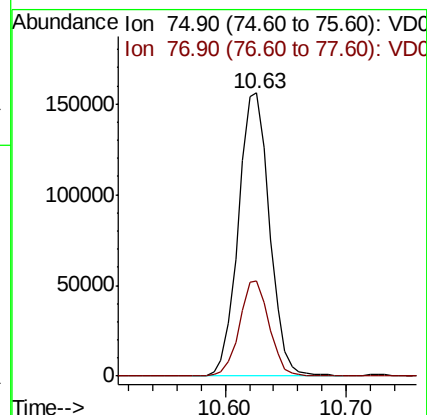
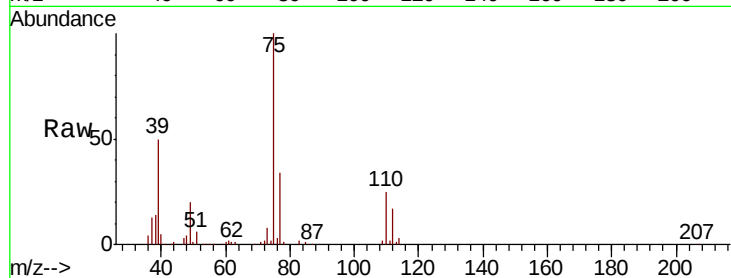
ClientSampleId :

Tot Ion: 75 Resp: 282105

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 56.227 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

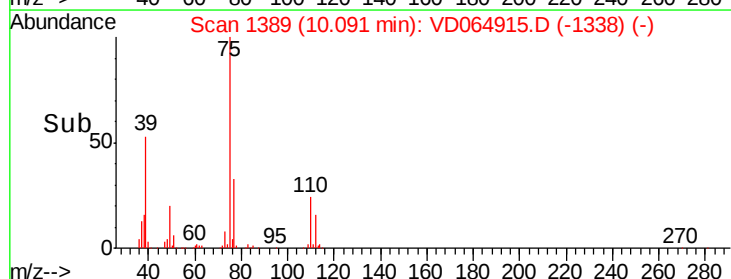
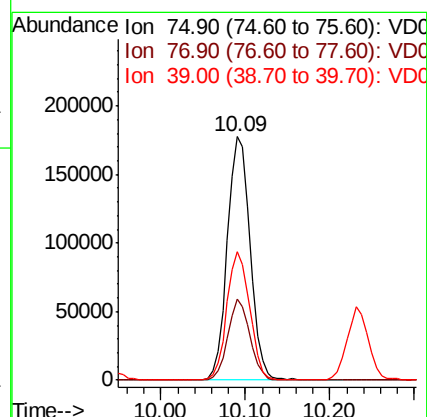
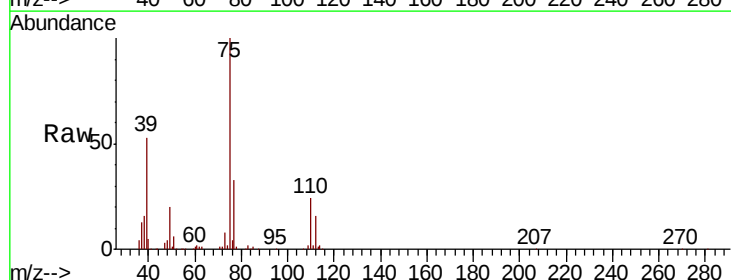
Tgt Ion: 75 Resp: 331226

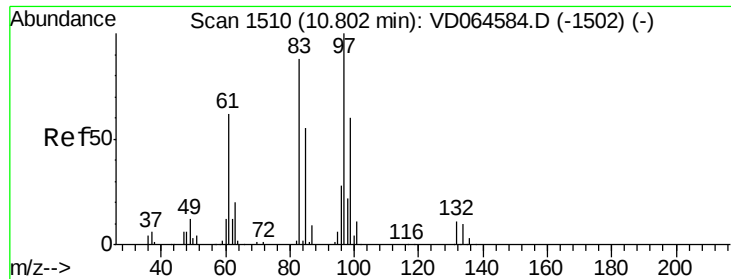
Ion Ratio Lower Upper

75 100

77 33.1 24.6 36.8

39 52.8 41.4 62.2

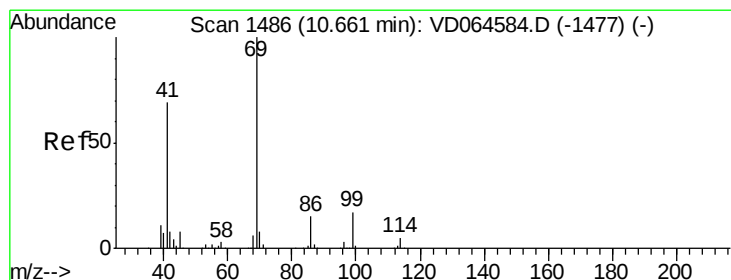
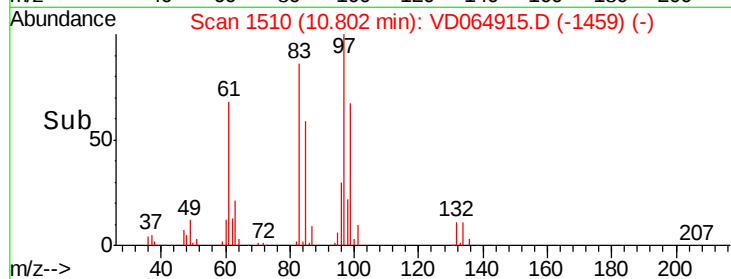
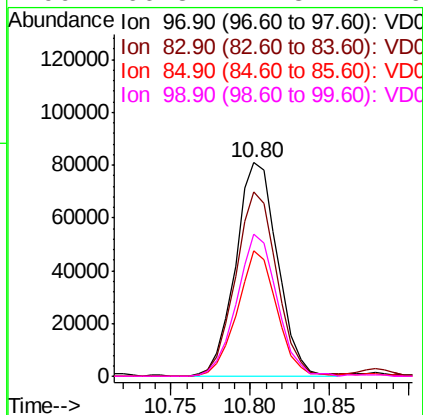
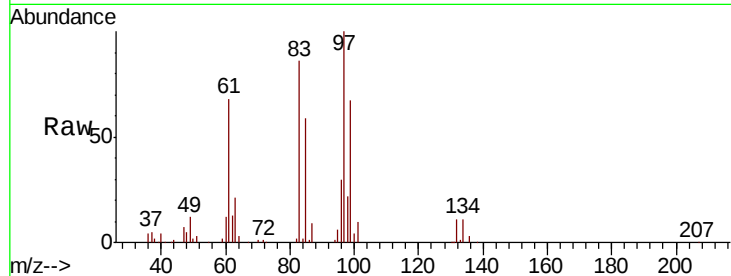




#55
 1,1,2-Trichloroethane
 Concen: 54.974 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

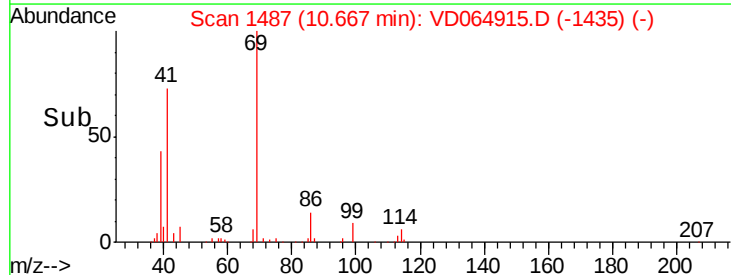
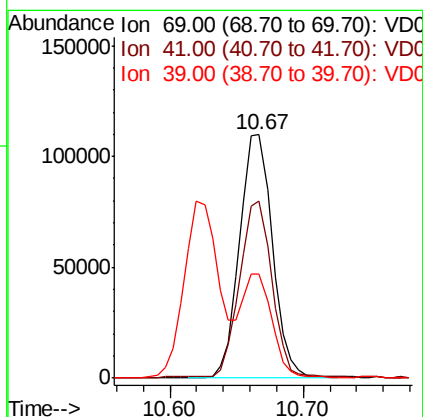
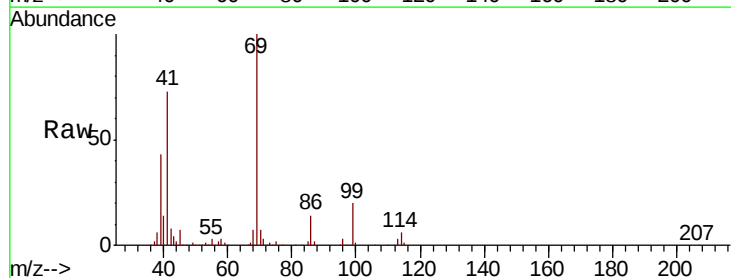
Instrument :
 MSVOA_D
 ClientSampleId :

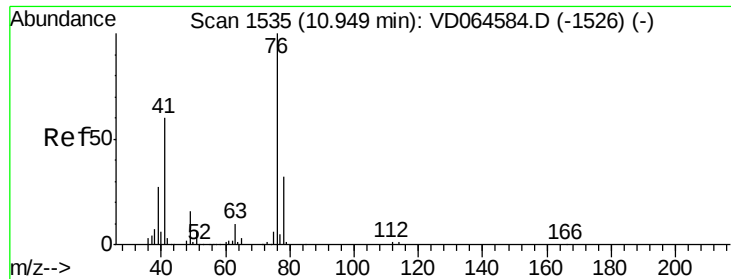
Tot Ion:	97	Resp:	149194
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.2	105.4
85	58.5	44.0	66.0
99	66.8	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 55.532 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion:	69	Resp:	188215
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	37.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 53.923 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

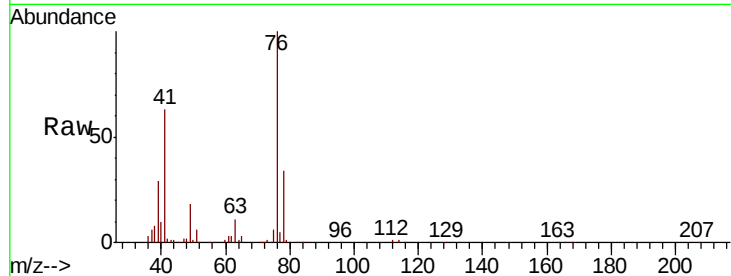
ClientSampleId :

Tot Ion: 76 Resp: 251974

Ion Ratio Lower Upper

76 100

78 33.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

150000

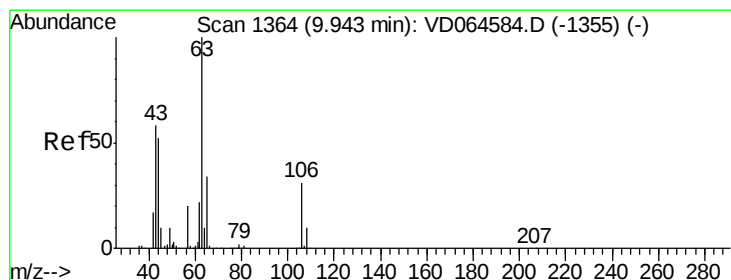
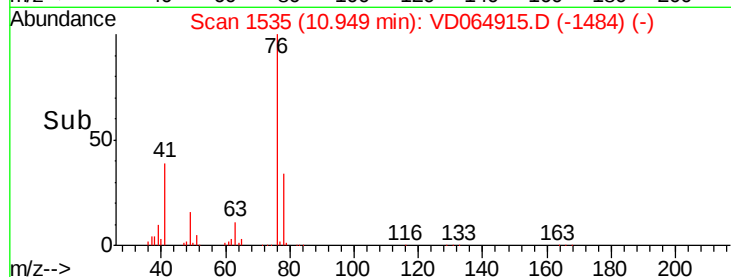
100000

50000

0

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 258.076 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064915.D

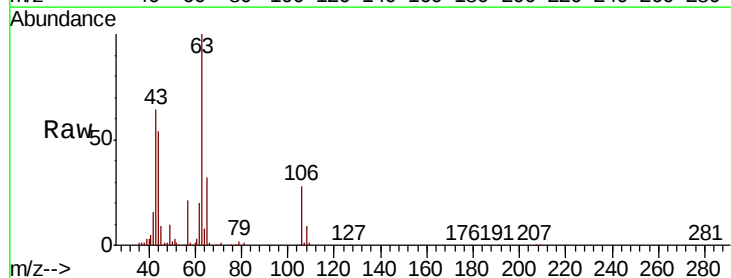
Acq: 22 Jan 2020 14:01

Tgt Ion: 63 Resp: 333255

Ion Ratio Lower Upper

63 100

106 29.1 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

200000

150000

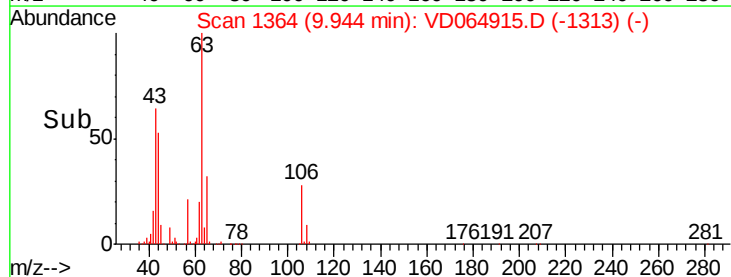
100000

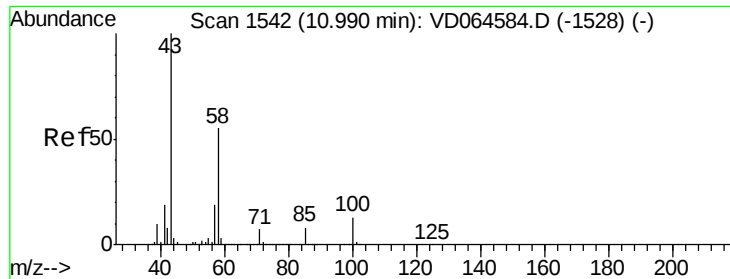
50000

0

9.90 10.00 10.10

Time-->

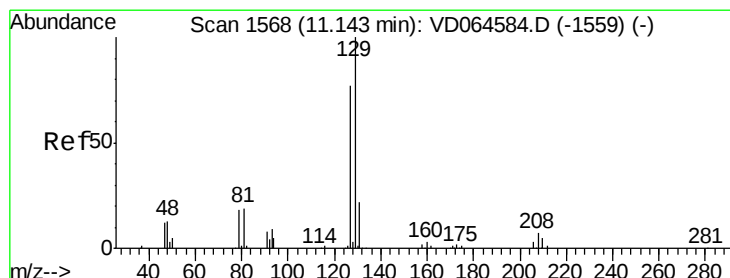
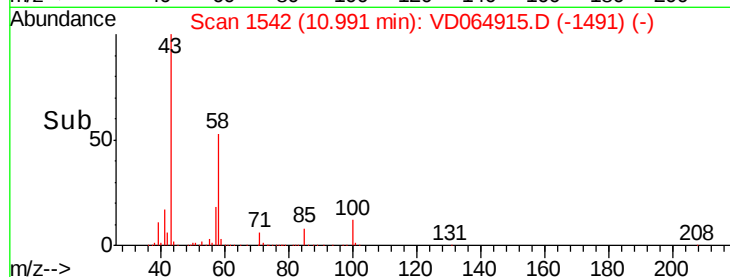
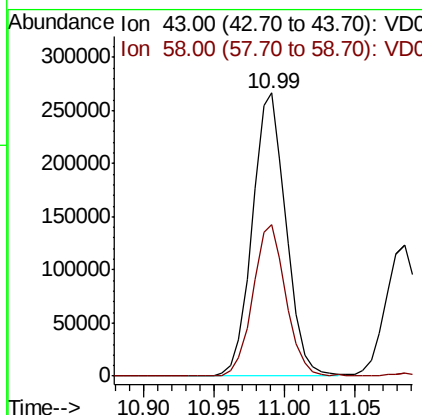
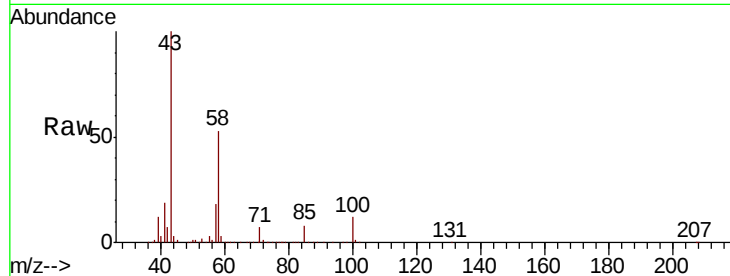




#59
2-Hexanone
Concen: 306.177 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

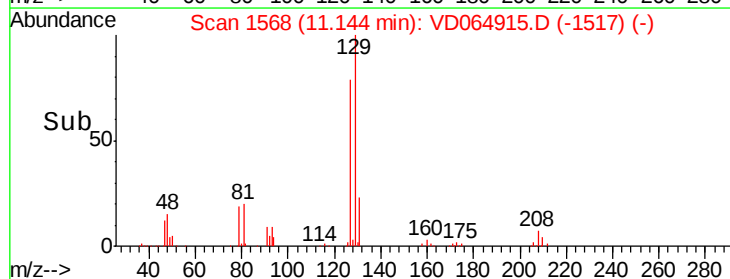
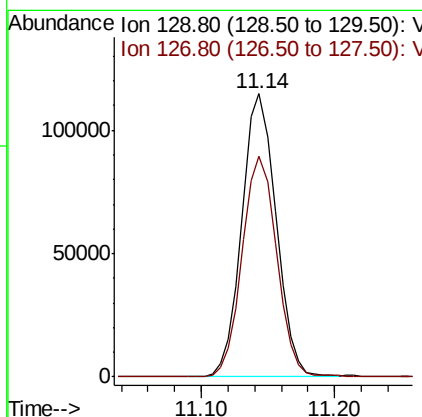
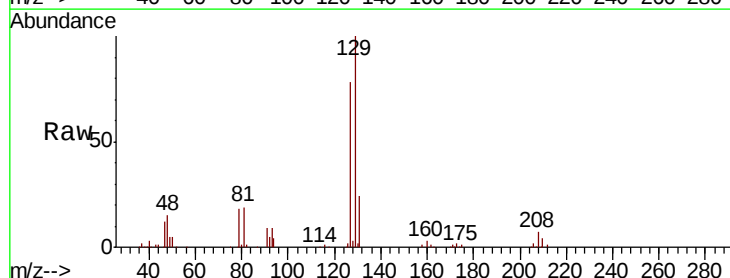
Instrument :
MSVOA_D
ClientSampled :

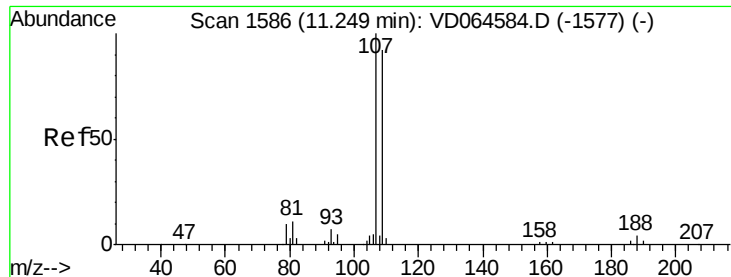
Tot Ion: 43 Resp: 445076
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0



#60
Dibromochloromethane
Concen: 54.459 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 129 Resp: 204383
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2

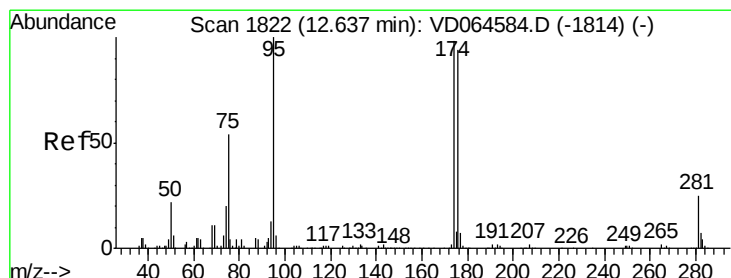
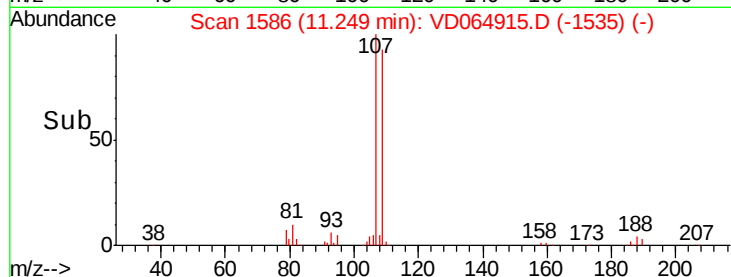
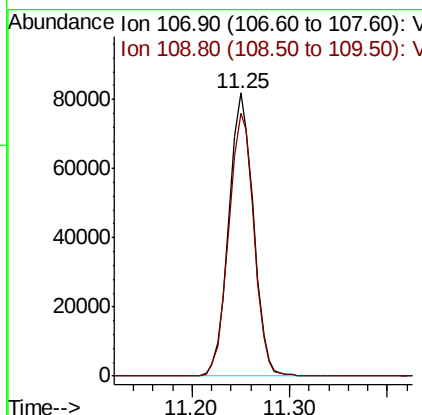
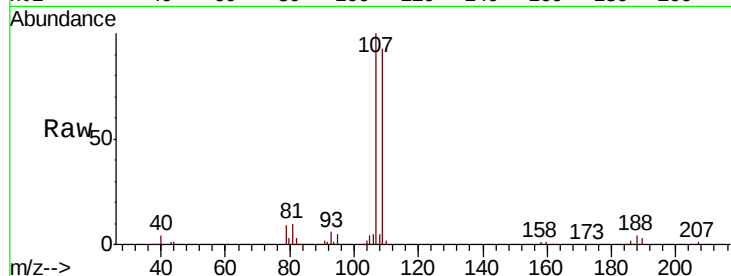




#61
 1,2-Dibromoethane
 Concen: 53.702 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

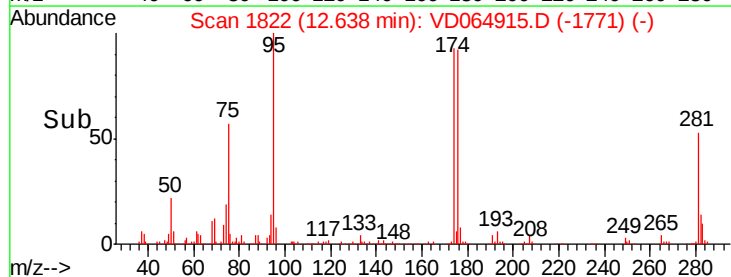
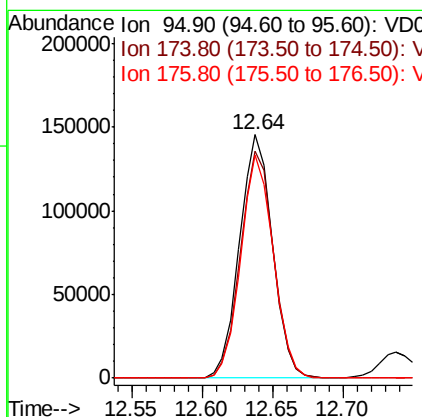
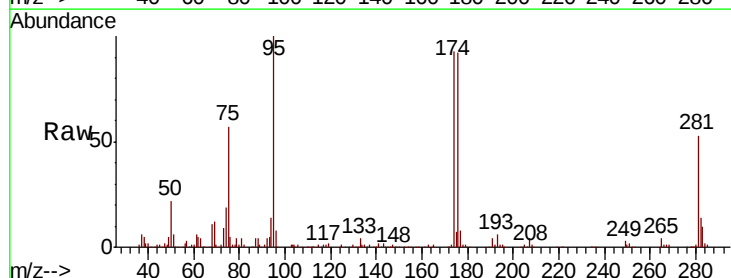
Instrument :
 MSVOA_D
 ClientSampleId :

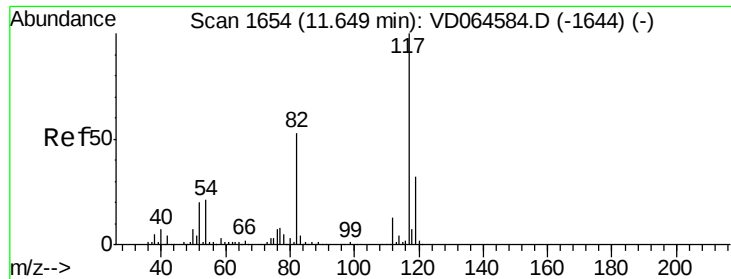
Tot Ion:107 Resp: 143748
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 55.637 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion: 95 Resp: 238003
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 193.2
 176 90.7 0.0 184.2

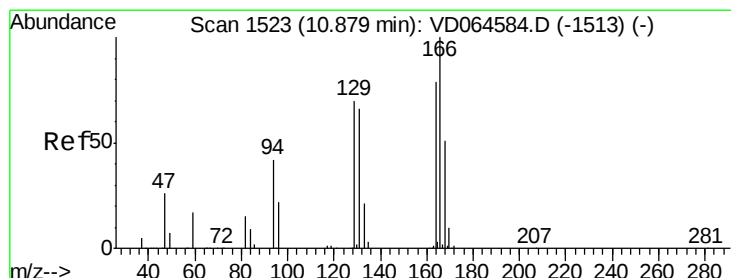
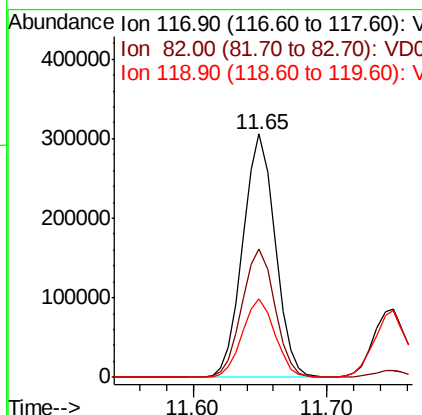
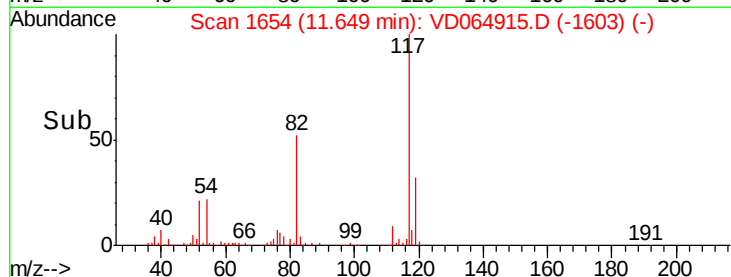
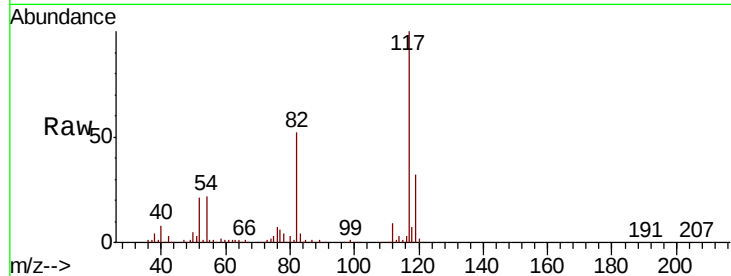




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

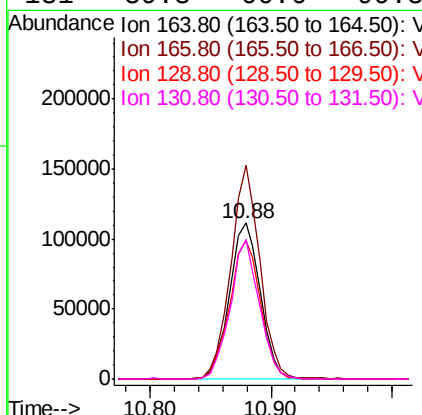
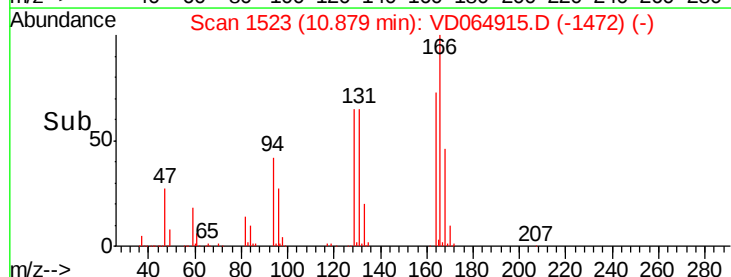
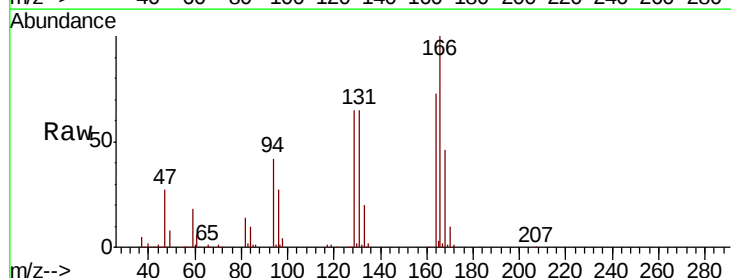
Instrument :
MSVOA_D
ClientSampleId :

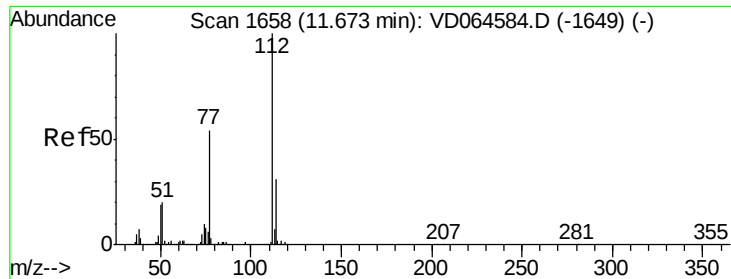
Tot Ion:117 Resp: 514102
Ion Ratio Lower Upper
117 100
82 52.5 42.2 63.4
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 50.411 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:164 Resp: 198825
Ion Ratio Lower Upper
164 100
166 136.7 101.3 151.9
129 88.6 70.5 105.7
131 89.3 66.6 99.8

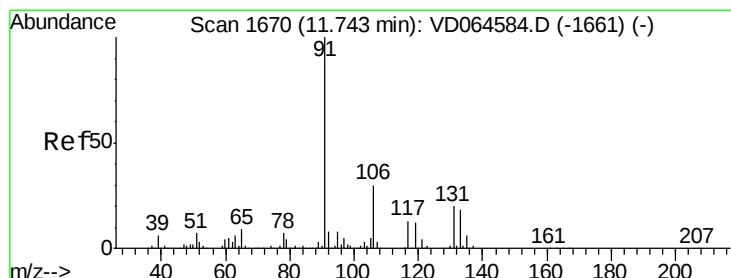
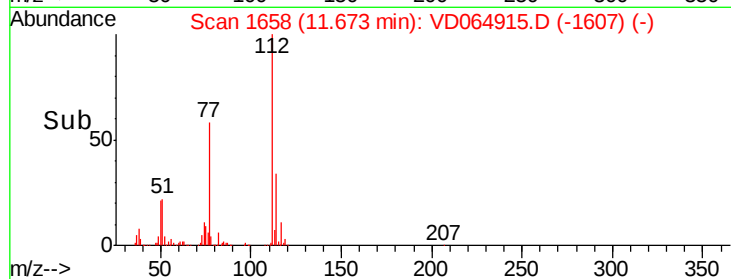
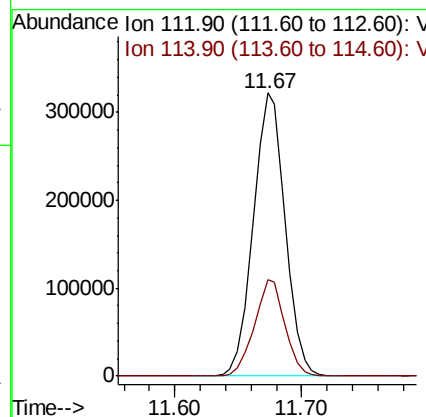
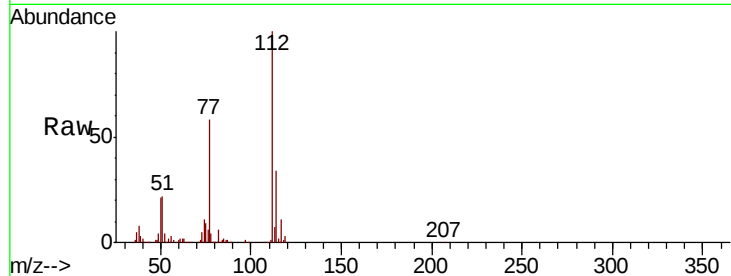




#65
Chlorobenzene
Concen: 52.703 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

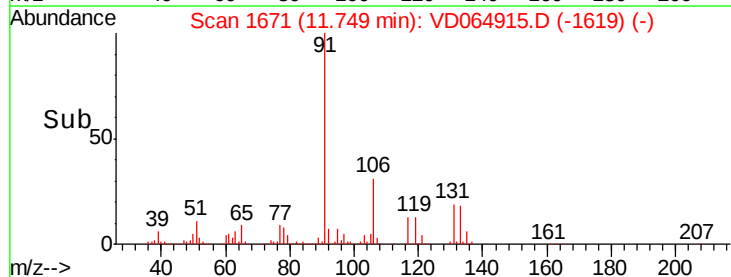
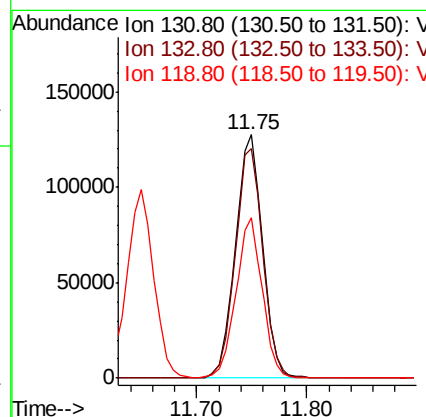
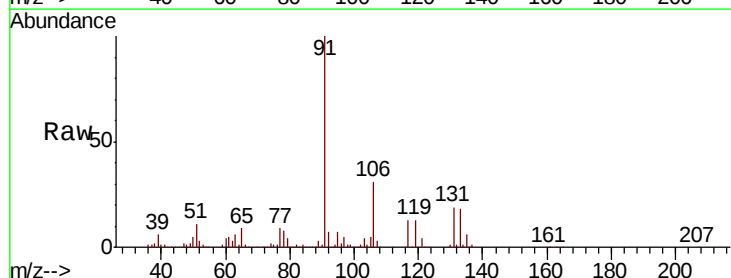
Instrument :
MSVOA_D
ClientSampleId :

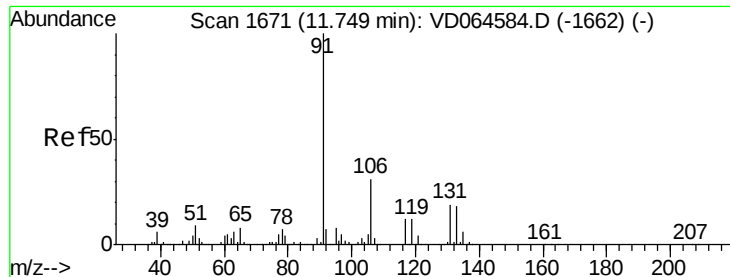
Tot Ion:112 Resp: 562345
Ion Ratio Lower Upper
112 100
114 34.0 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.755 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:131 Resp: 220252
Ion Ratio Lower Upper
131 100
133 96.0 48.3 144.8
119 63.9 32.1 96.3

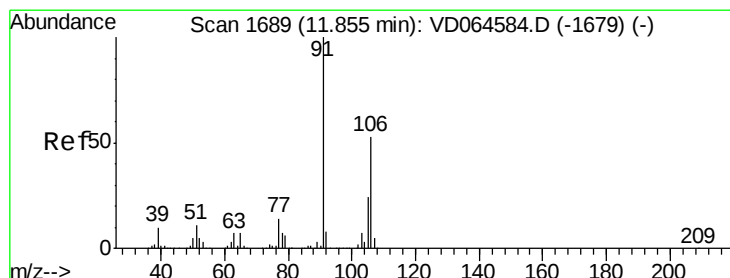
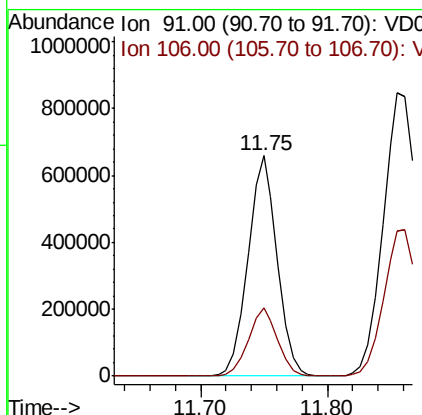
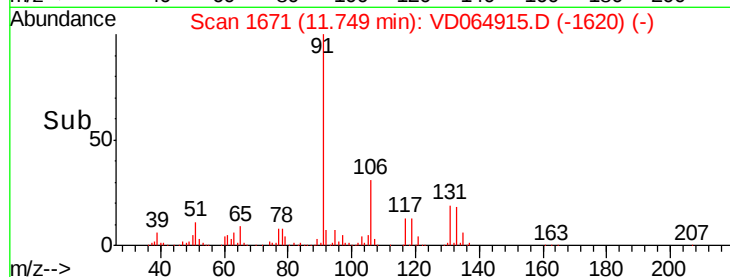
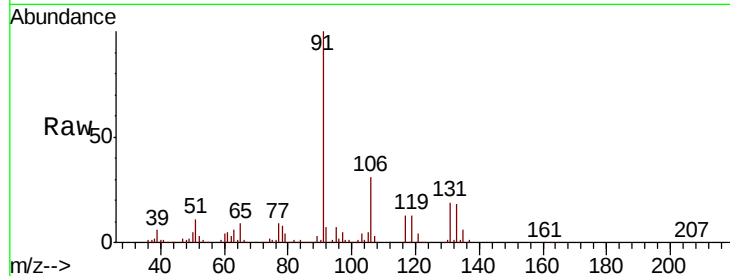




#67
Ethyl Benzene
Concen: 54.027 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

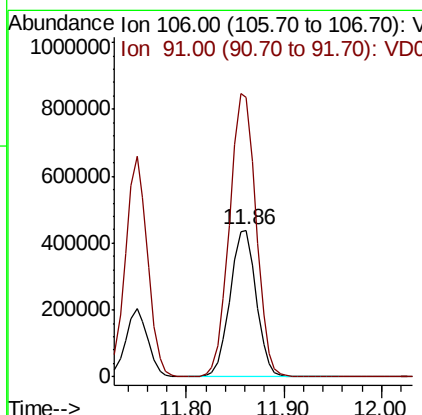
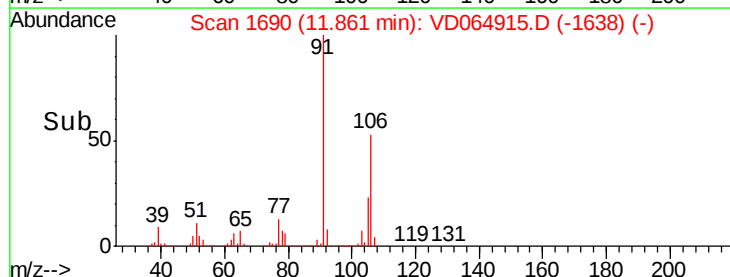
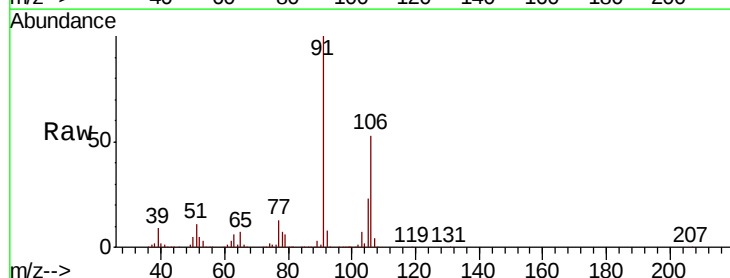
Instrument :
MSVOA_D
ClientSampled :

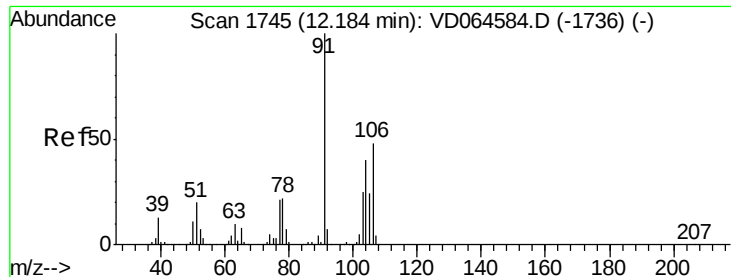
Tot Ion: 91 Resp: 1046335
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8



#68
m/p-Xylenes
Concen: 109.168 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 106 Resp: 816056
Ion Ratio Lower Upper
106 100
91 196.4 156.3 234.5

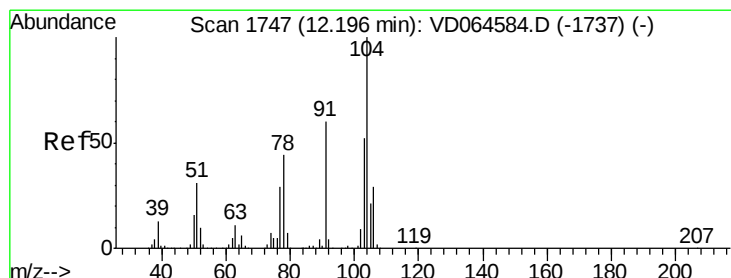
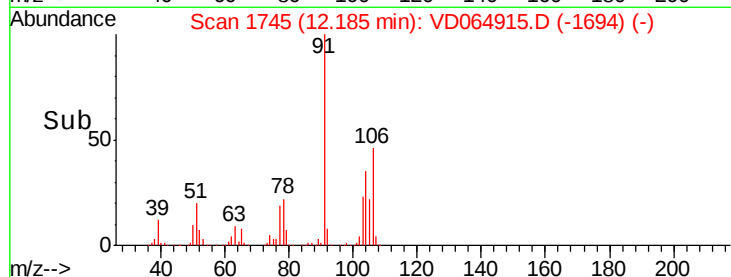
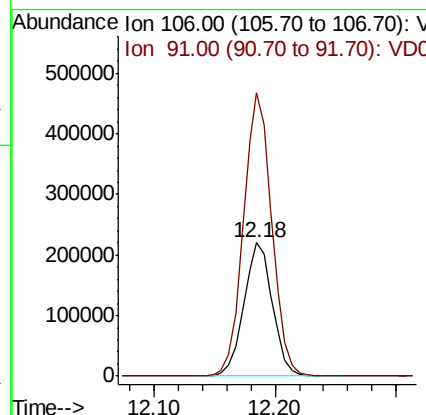
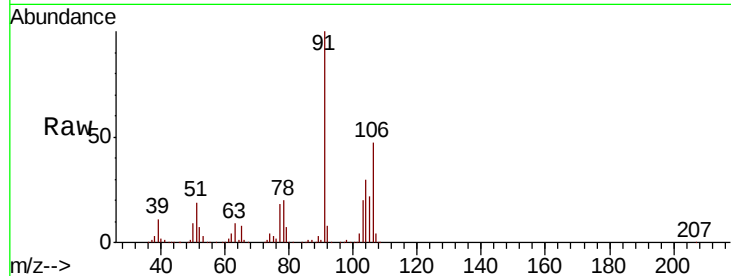




#69
o-Xylene
Concen: 53.487 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

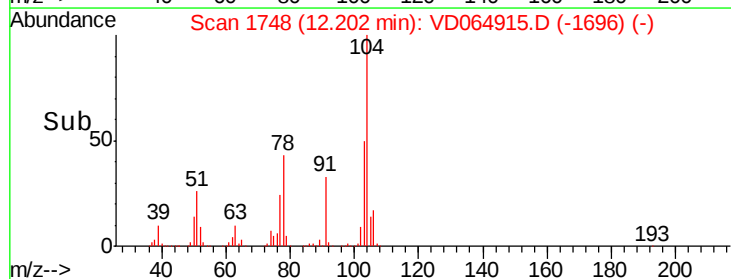
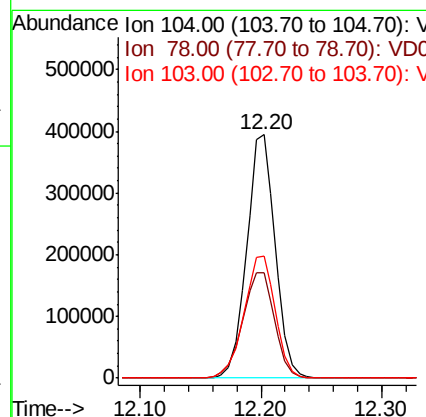
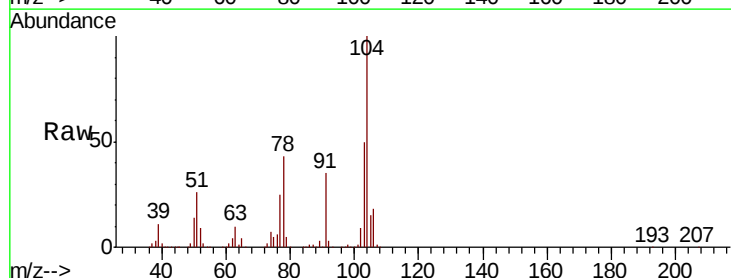
Instrument :
MSVOA_D
ClientSampled :

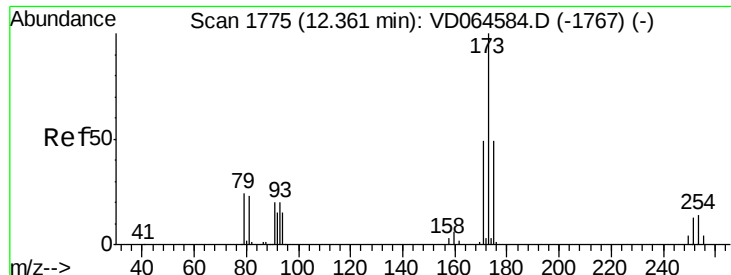
Tot Ion:106 Resp: 361143
Ion Ratio Lower Upper
106 100
91 211.0 104.8 314.4



#70
Styrene
Concen: 54.703 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:104 Resp: 648325
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.2
103 55.0 44.6 67.0

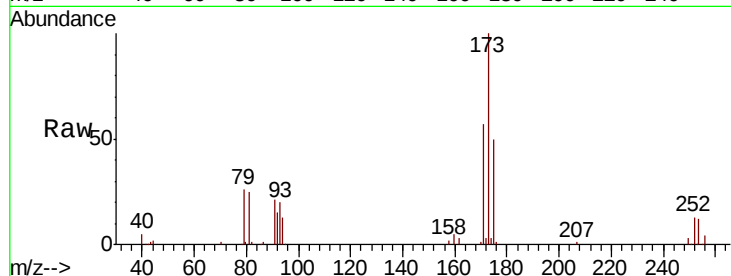




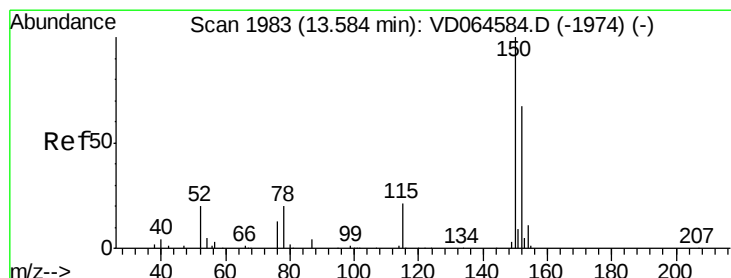
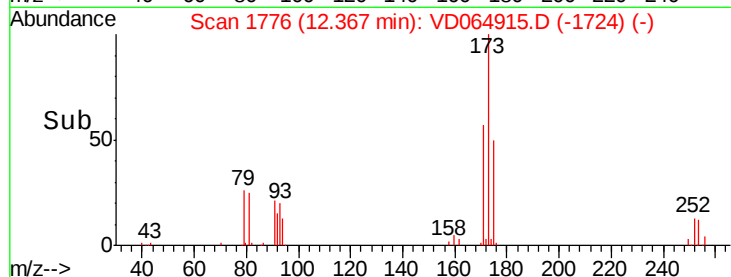
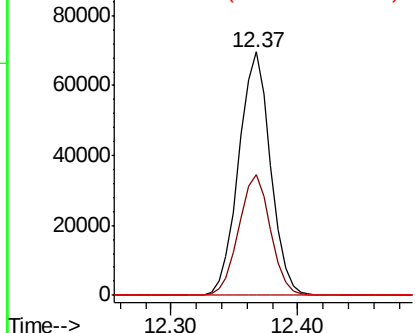
#71
Bromoform
Concen: 52.723 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 120942
Ion Ratio Lower Upper
173 100
175 49.4 24.6 73.8
254 0.1 0.1 0.1#

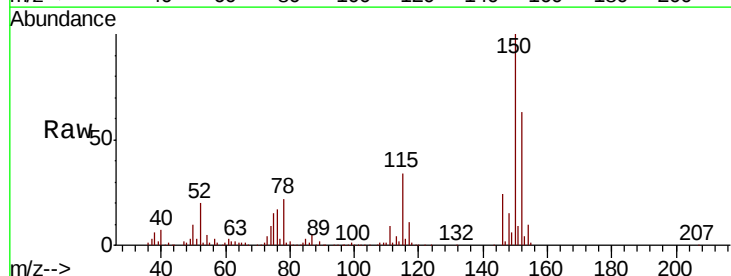


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

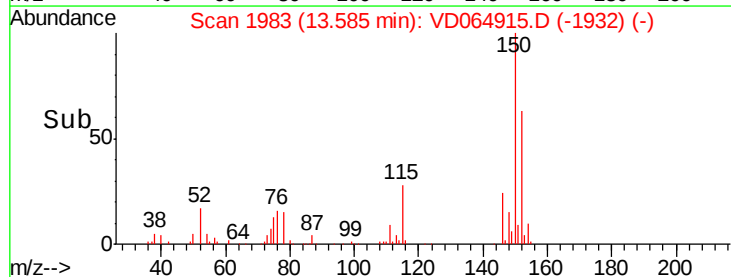
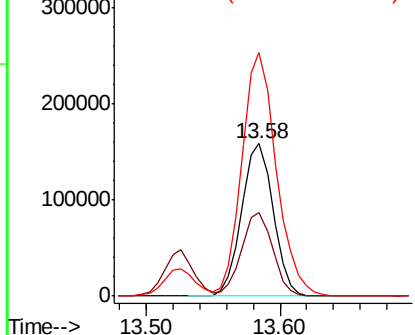


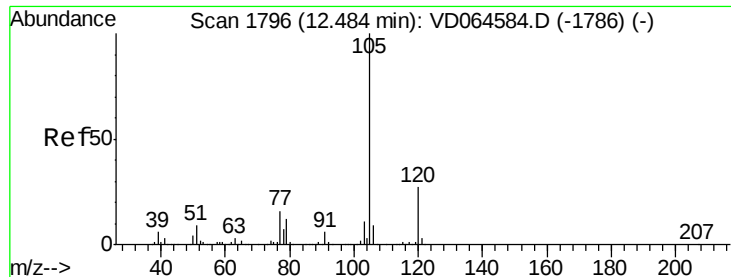
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:152 Resp: 258991
Ion Ratio Lower Upper
152 100
115 54.1 27.8 83.4
150 173.3 0.0 351.4



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





#73

Isopropylbenzene

Concen: 54.377 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

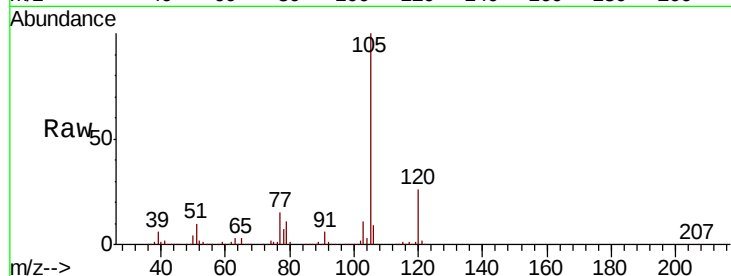
ClientSampleId :

Tot Ion:105 Resp: 1006417

Ion Ratio Lower Upper

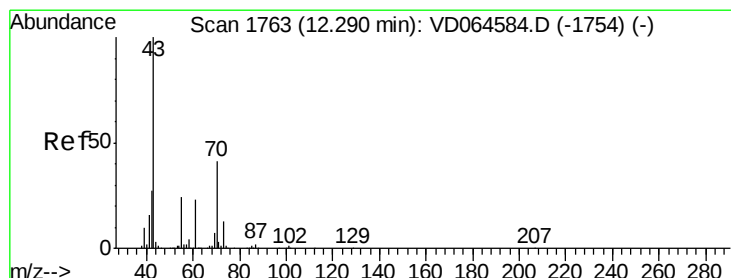
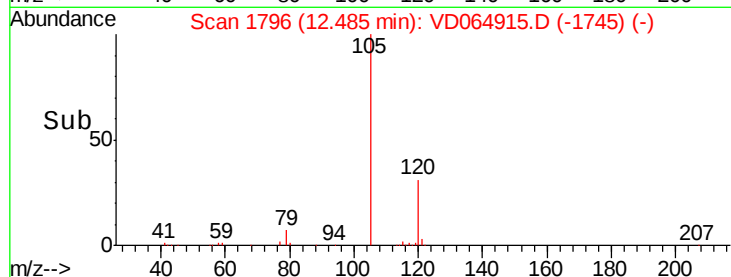
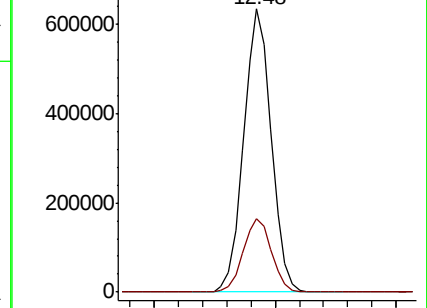
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.188 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Tgt Ion: 43 Resp: 214386

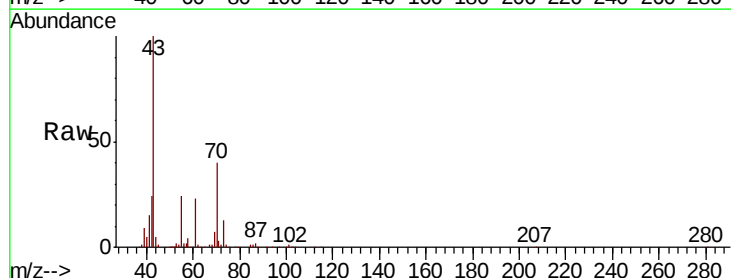
Ion Ratio Lower Upper

43 100

70 40.7 33.4 50.0

55 24.5 19.4 29.0

61 22.7 18.3 27.5

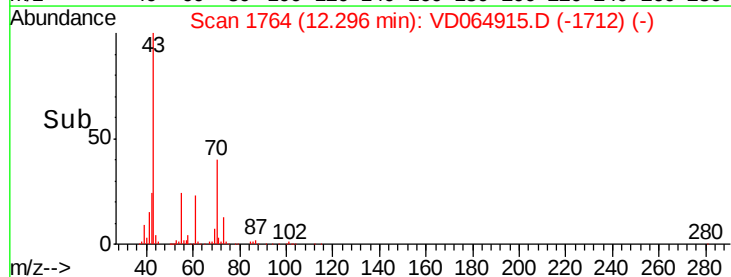
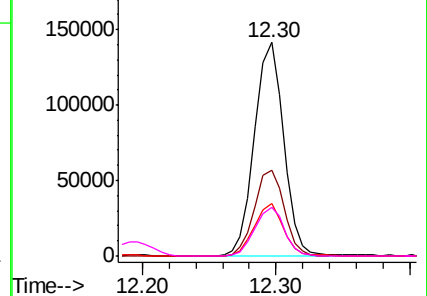


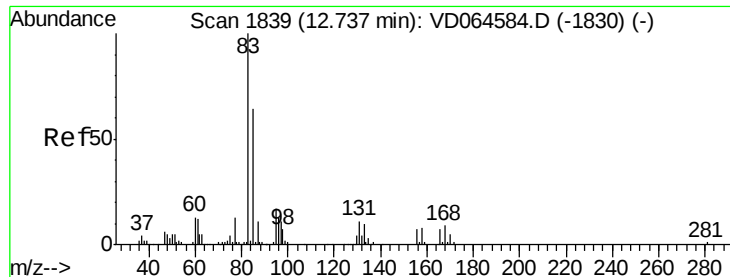
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.114 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

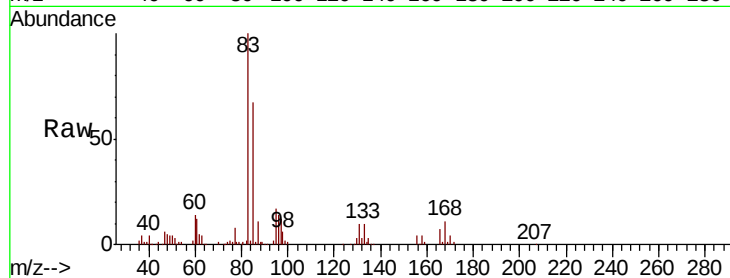
Tot Ion: 83 Resp: 157332

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

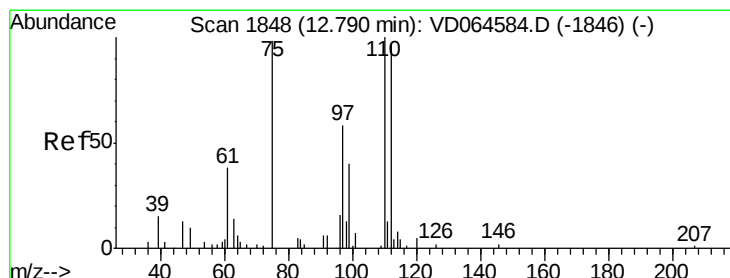
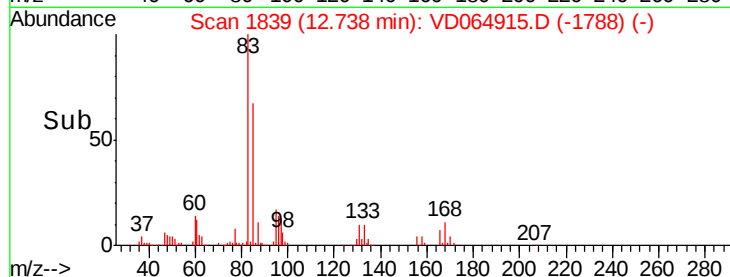
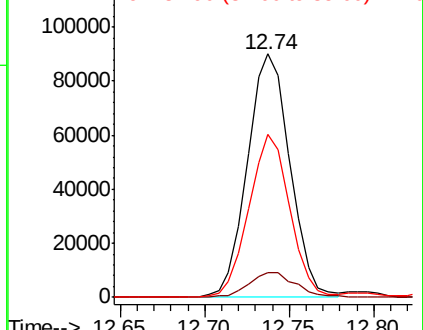
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 103.517 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064915.D

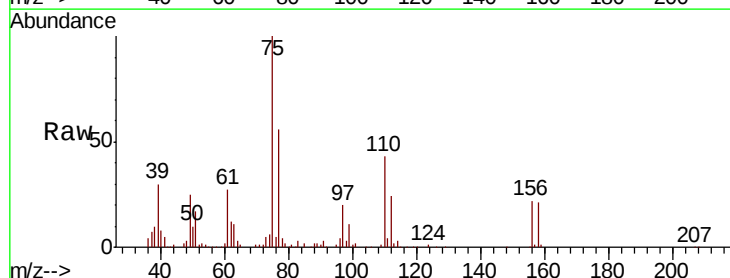
Acq: 22 Jan 2020 14:01

Tgt Ion: 75 Resp: 211709

Ion Ratio Lower Upper

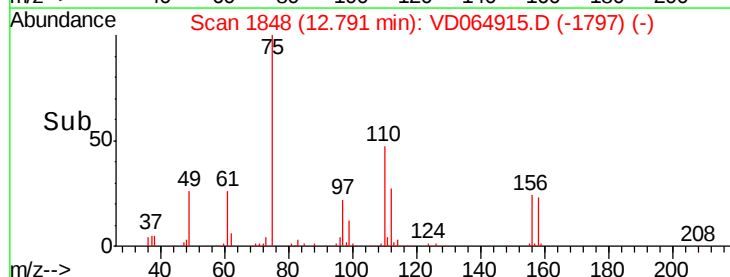
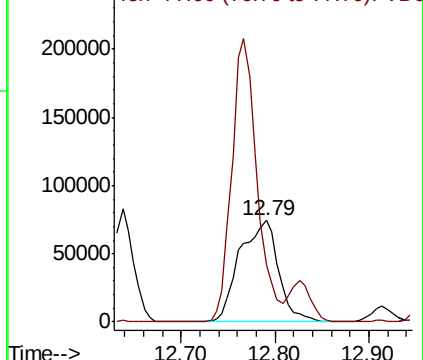
75 100

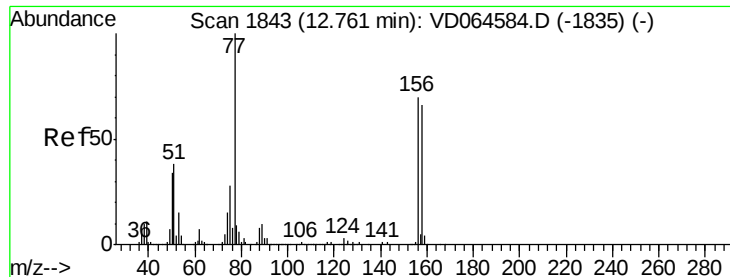
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.724 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampled :

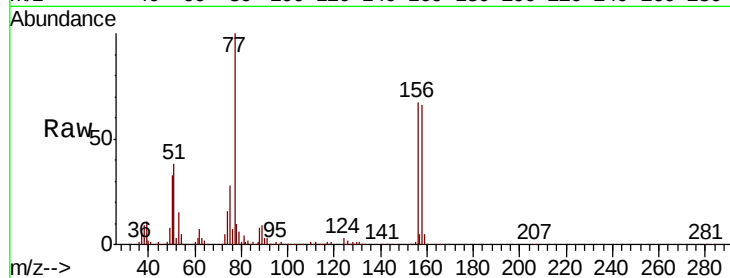
Tot Ion:156 Resp: 235226

Ion Ratio Lower Upper

156 100

77 165.5 80.9 242.7

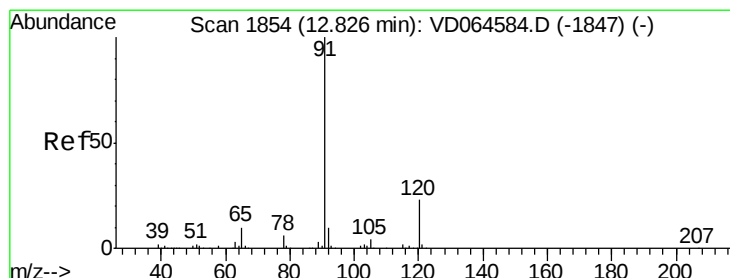
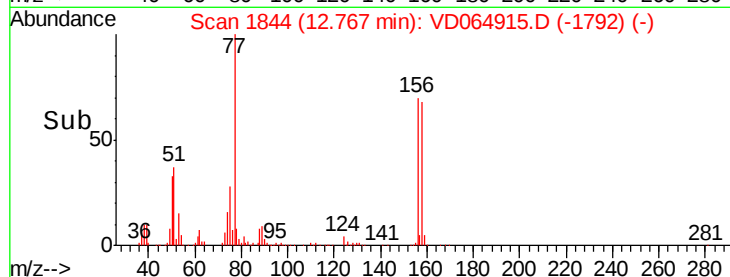
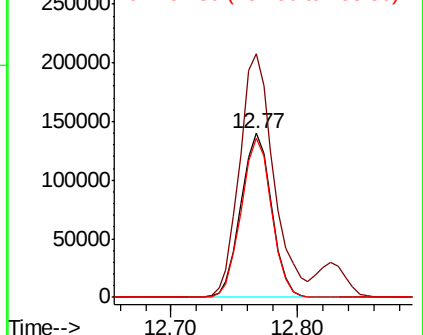
158 96.2 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.464 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064915.D

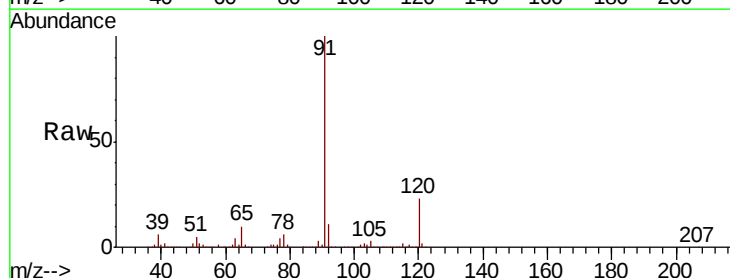
Acq: 22 Jan 2020 14:01

Tgt Ion: 91 Resp: 1197573

Ion Ratio Lower Upper

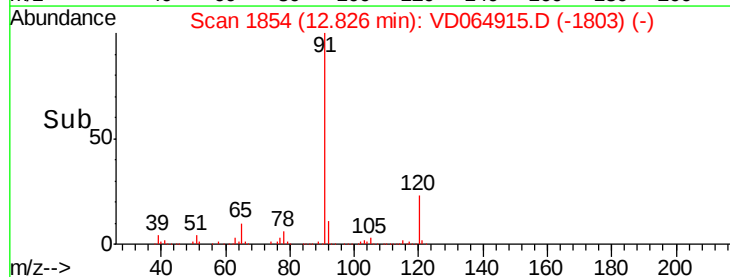
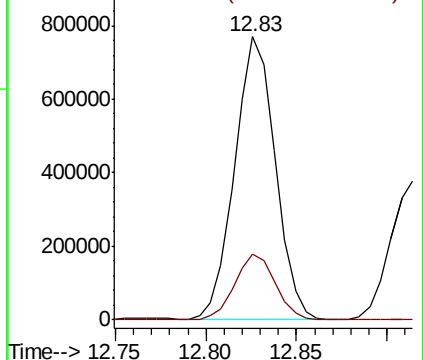
91 100

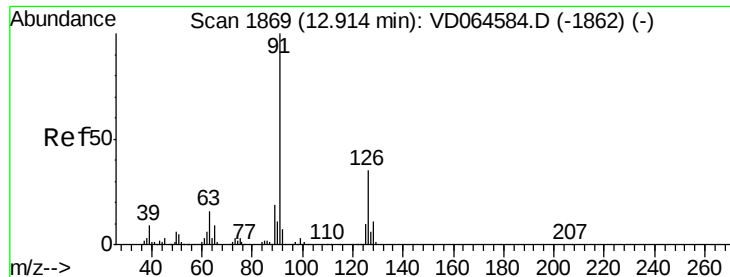
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

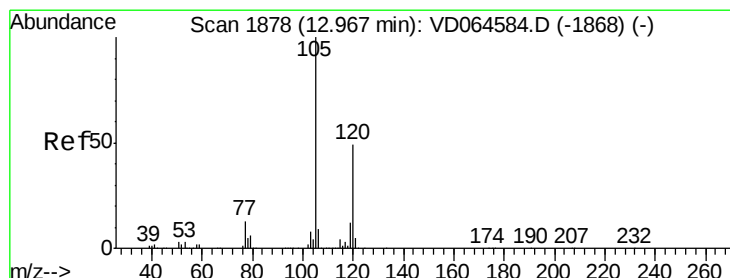
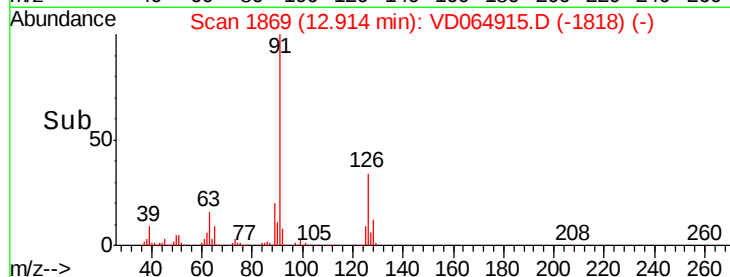
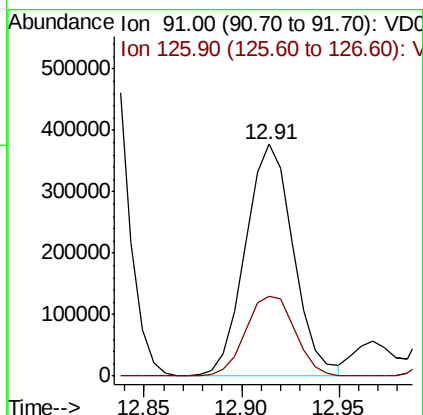
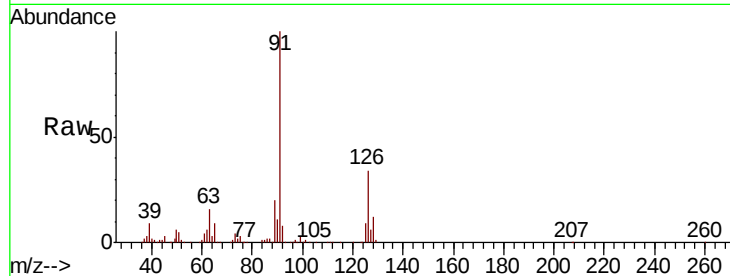




#79
 2-Chlorotoluene
 Concen: 54.022 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

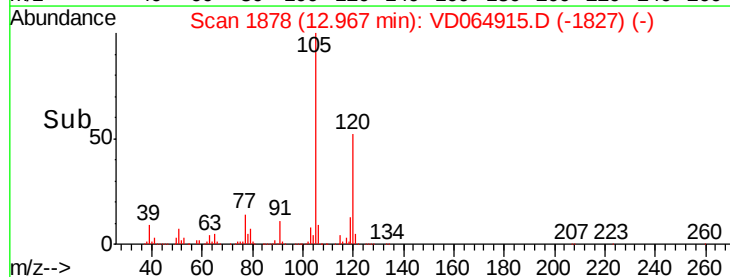
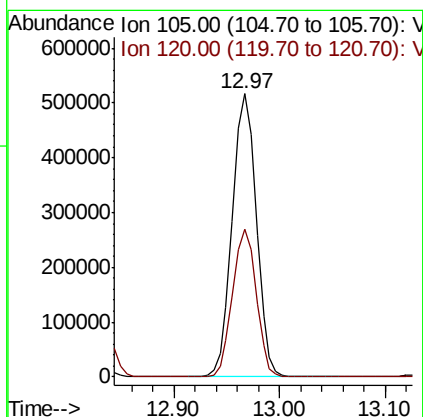
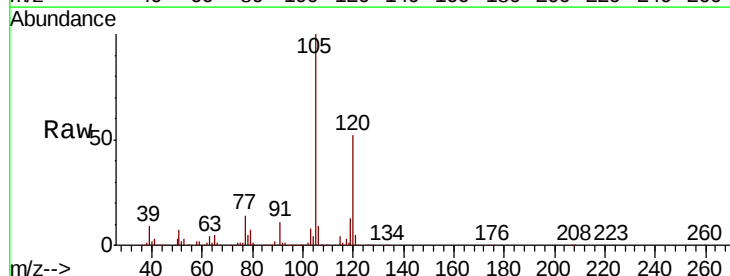
Instrument :
 MSVOA_D
 ClientSampled :

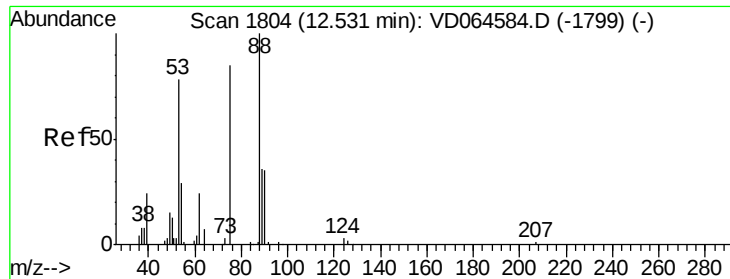
Tot Ion: 91 Resp: 640769
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5



#80
 1,3,5-Trimethylbenzene
 Concen: 53.524 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion: 105 Resp: 813753
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.0 75.0

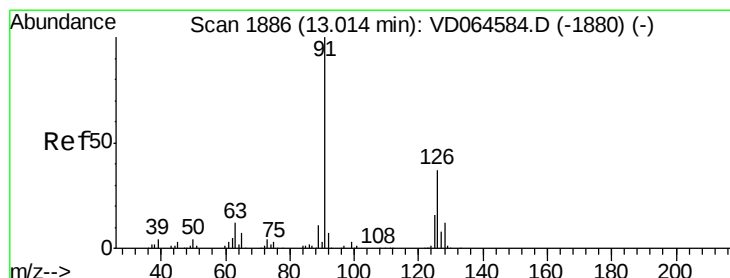
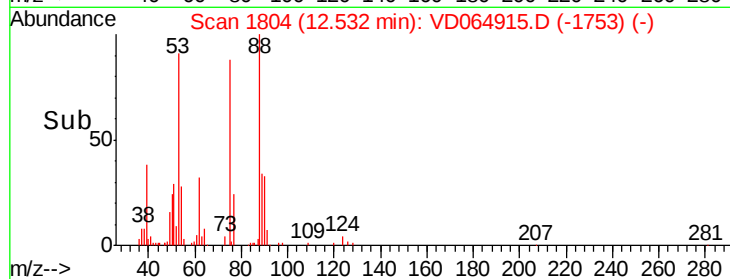
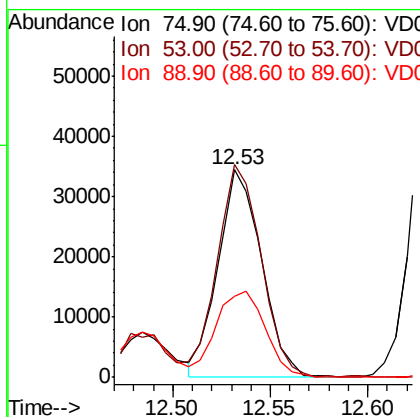
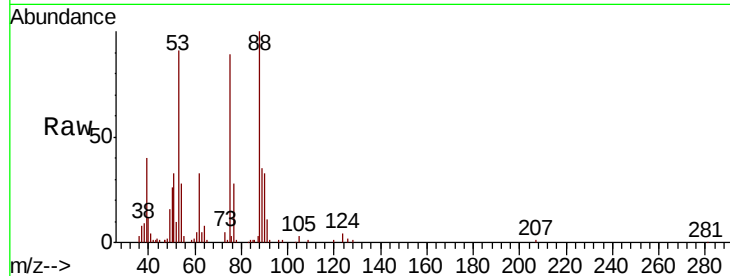




#81
trans-1,4-Dichloro-2-butene
Concen: 54.613 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

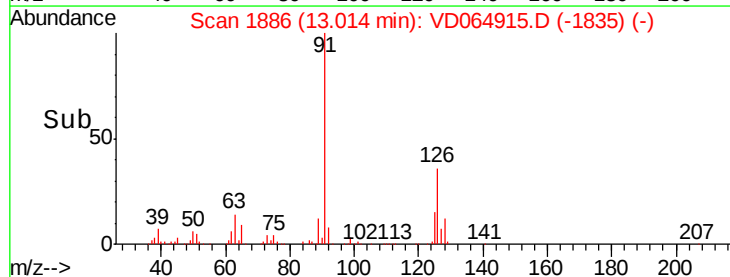
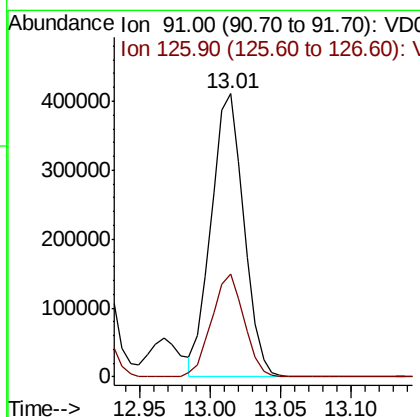
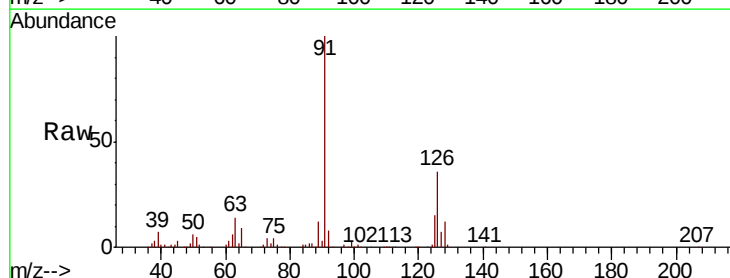
Instrument :
MSVOA_D
ClientSampled :

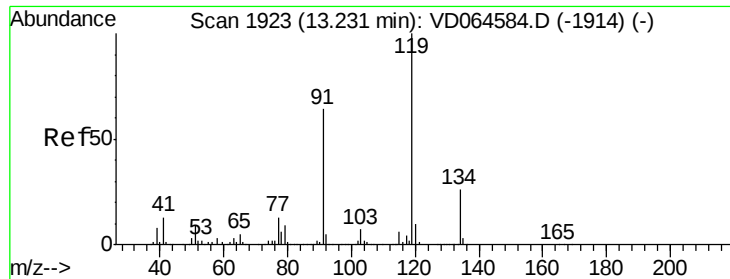
Tot Ion: 75 Resp: 53404
Ion Ratio Lower Upper
75 100
53 103.7 78.8 118.2
89 46.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 52.324 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 91 Resp: 660478
Ion Ratio Lower Upper
91 100
126 36.2 17.8 53.5

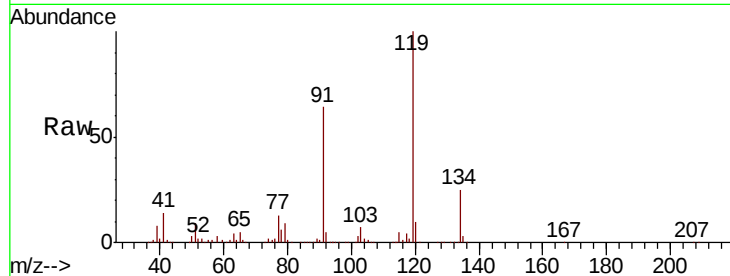




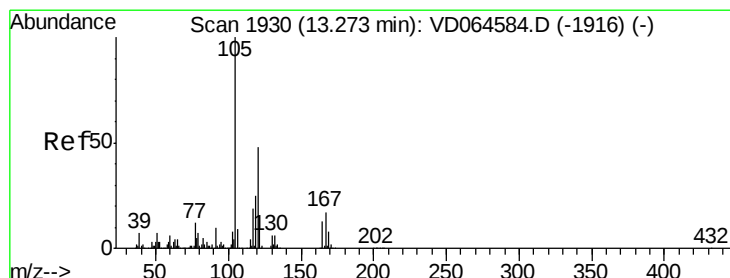
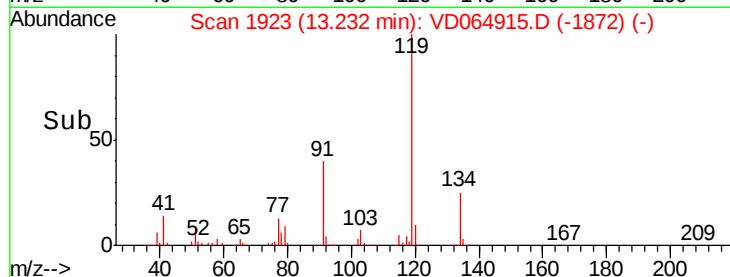
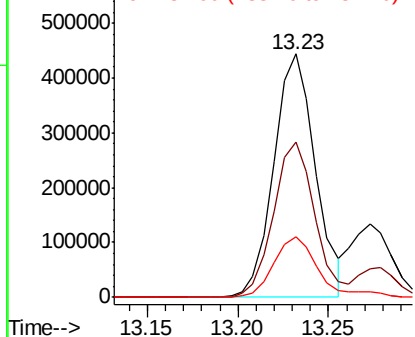
#83
tert-Butylbenzene
Concen: 53.786 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 710000
Ion Ratio Lower Upper
119 100
91 63.9 30.8 92.4
134 27.1 12.8 38.3

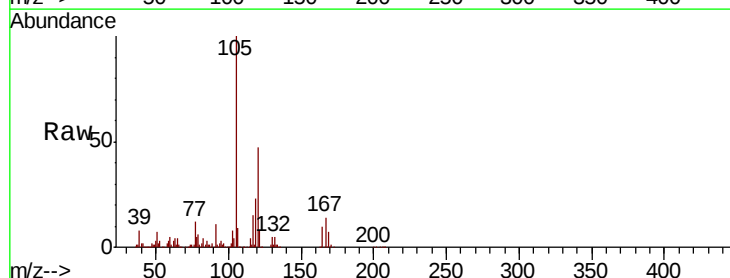


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

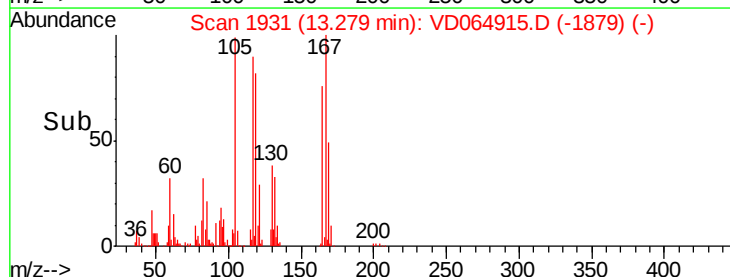
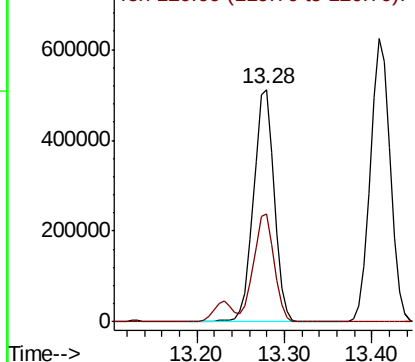


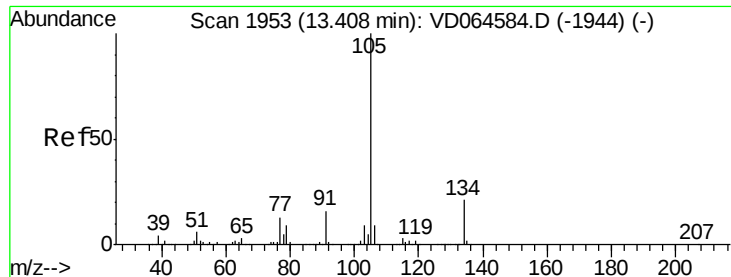
#84
1,2,4-Trimethylbenzene
Concen: 54.288 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:105 Resp: 822013
Ion Ratio Lower Upper
105 100
120 46.0 23.8 71.2



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





#85

sec-Butylbenzene

Concen: 54.669 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

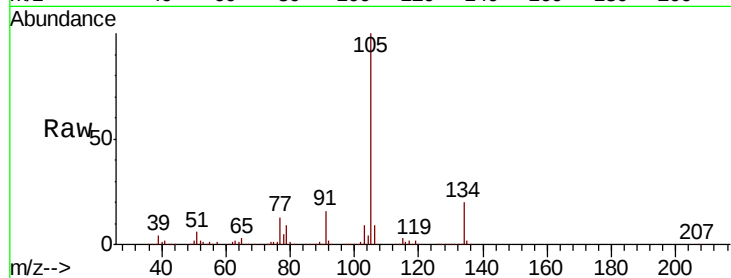
ClientSampleId :

Tot Ion:105 Resp: 989344

Ion Ratio Lower Upper

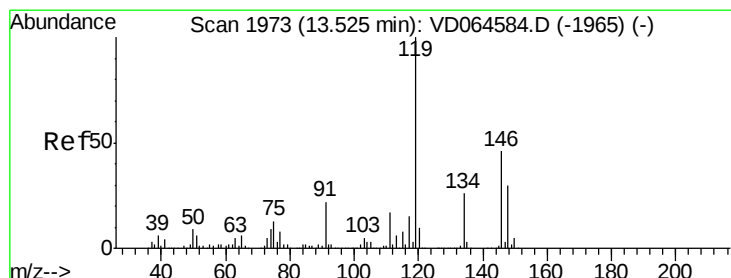
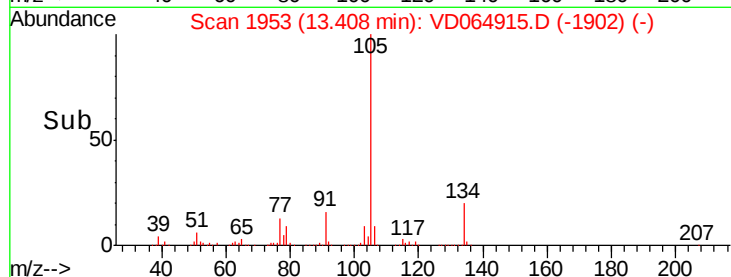
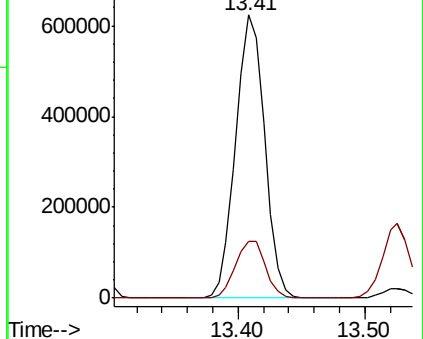
105 100

134 20.8 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.363 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

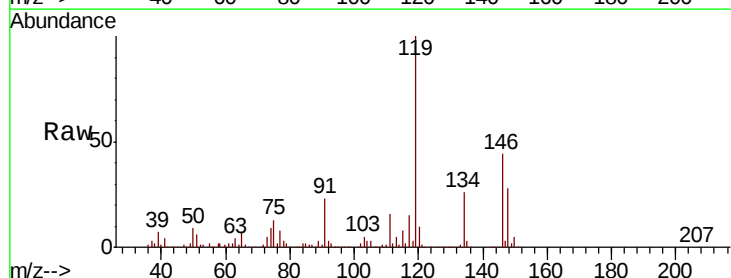
Tgt Ion:119 Resp: 940699

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

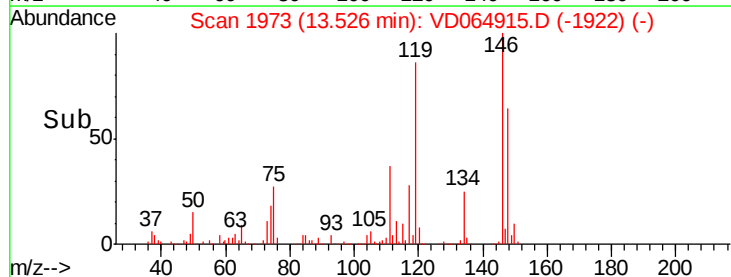
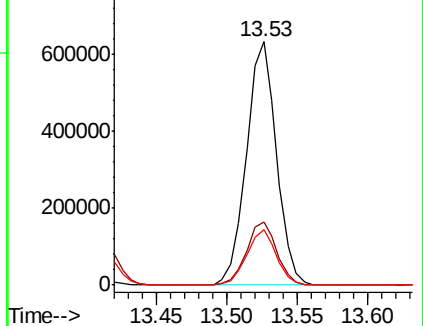
91 22.5 11.2 33.6

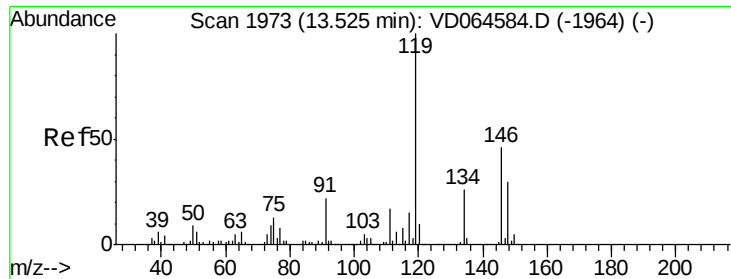


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.540 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

Instrument :

MSVOA_D

ClientSampleId :

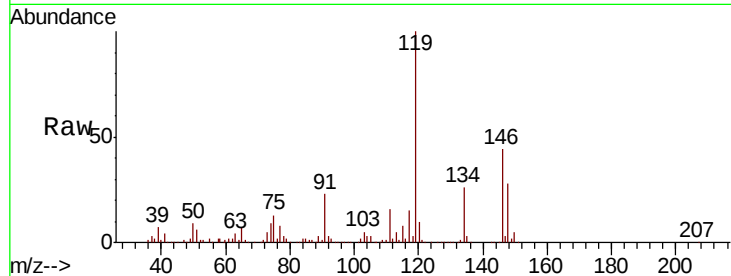
Tot Ion:146 Resp: 455496

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

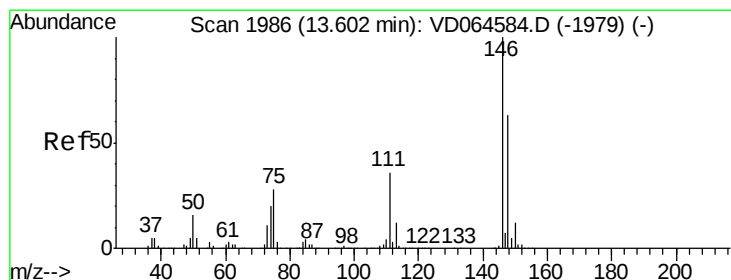
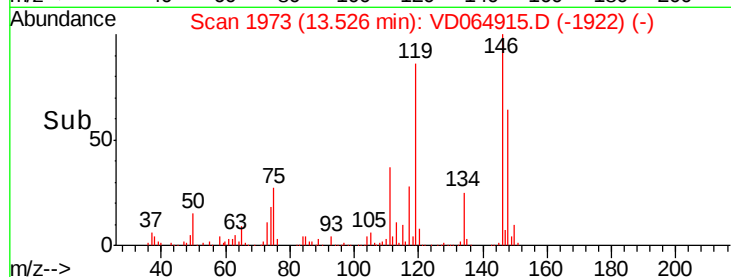
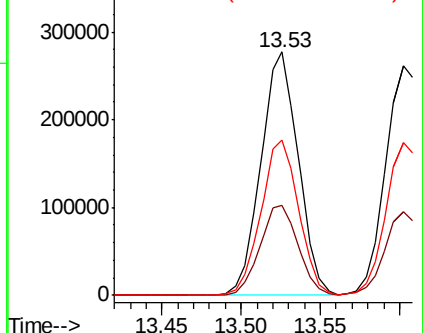
148 64.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.335 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064915.D

Acq: 22 Jan 2020 14:01

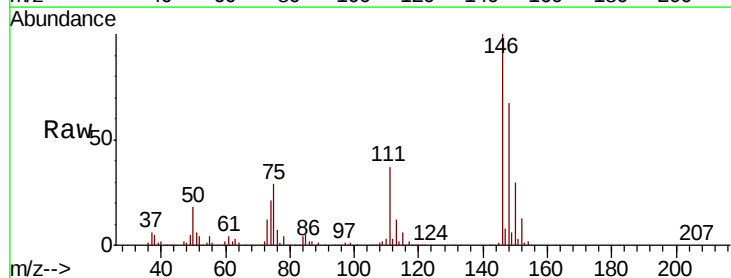
Tgt Ion:146 Resp: 445718

Ion Ratio Lower Upper

146 100

111 35.8 18.1 54.1

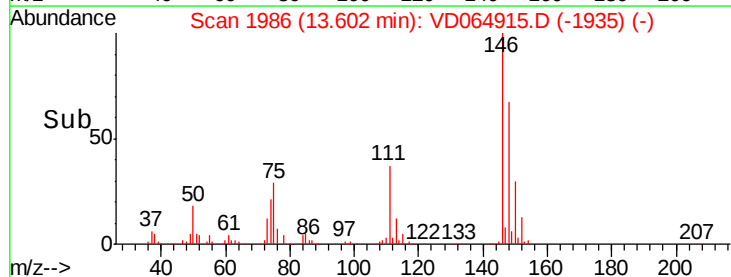
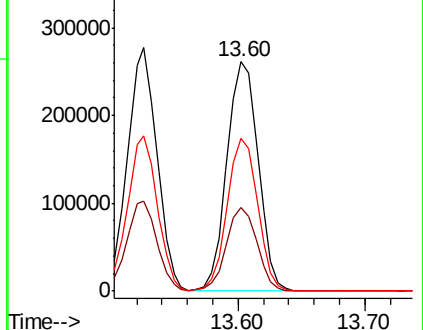
148 64.9 32.3 96.9

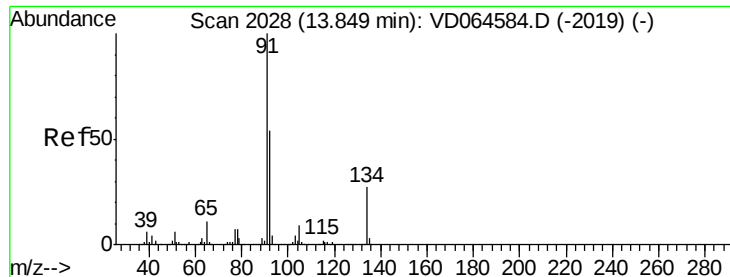


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

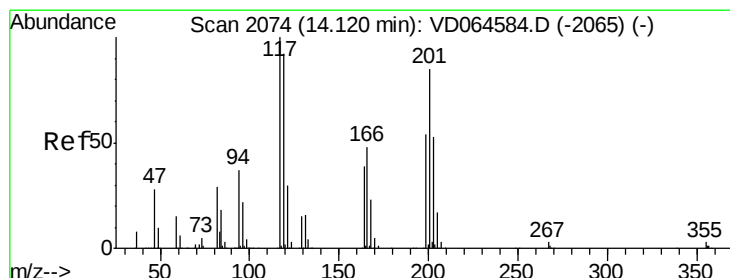
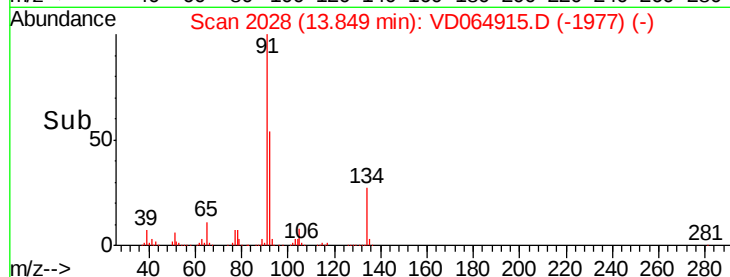
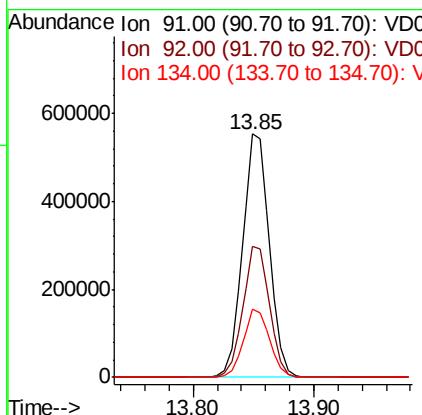
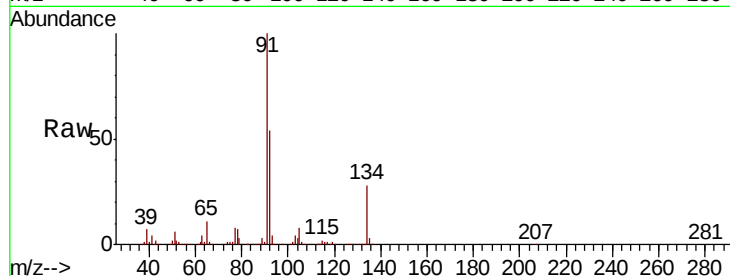




#89
n-Butylbenzene
Concen: 54.605 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

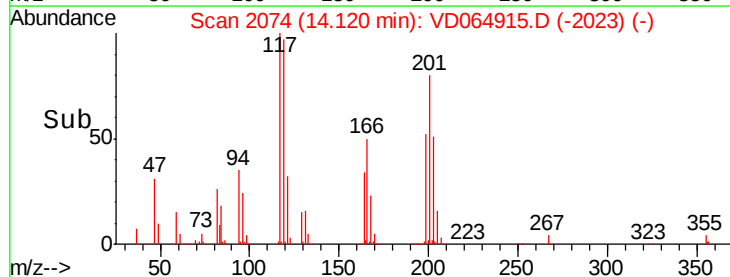
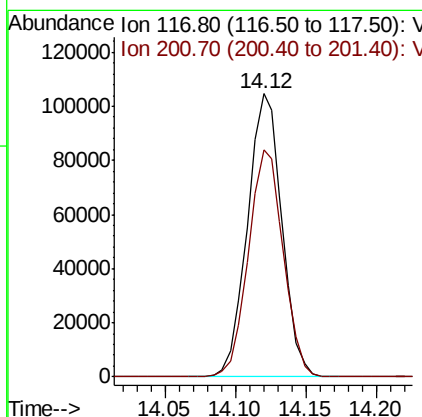
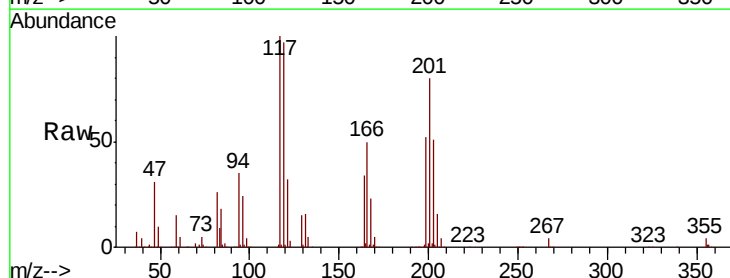
Instrument :
MSVOA_D
ClientSampleId :

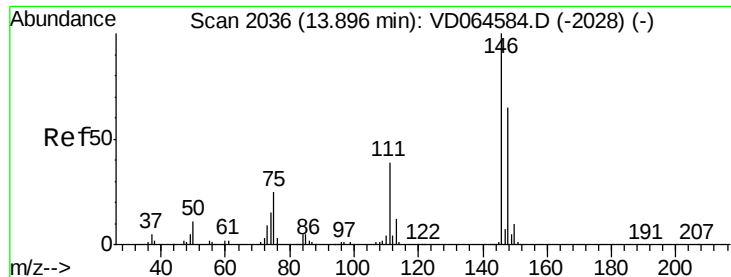
Tot Ion: 91 Resp: 850909
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.5 14.0 41.9



#90
Hexachloroethane
Concen: 54.037 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion: 117 Resp: 178616
Ion Ratio Lower Upper
117 100
201 81.4 44.0 131.8

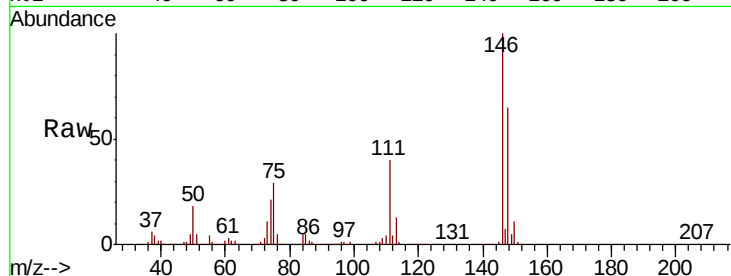




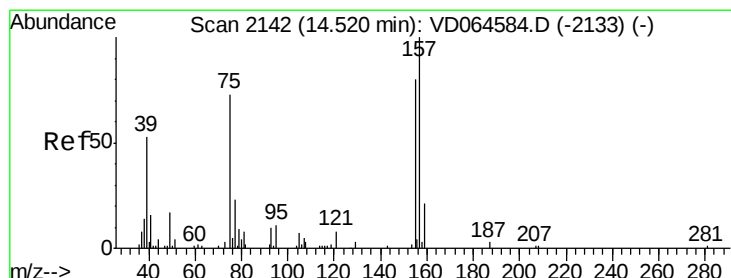
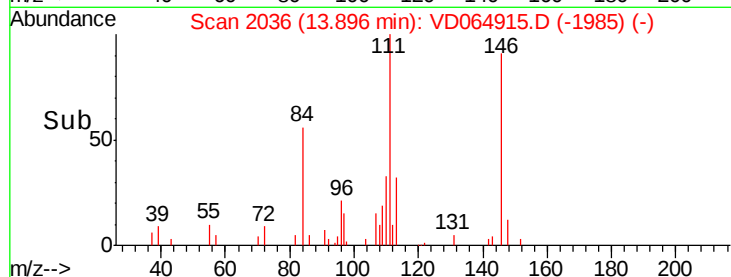
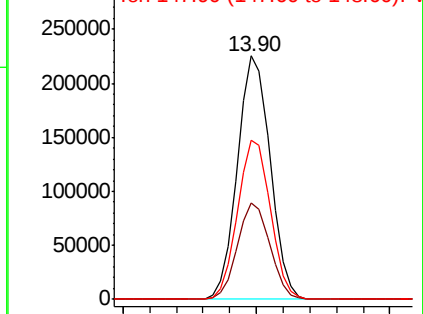
#91
 1,2-Dichlorobenzene
 Concen: 51.788 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	65.4	31.9	95.5

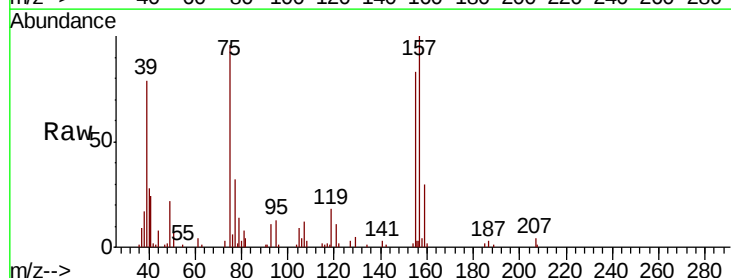


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

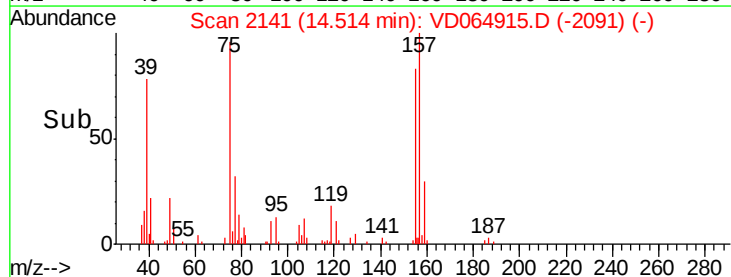
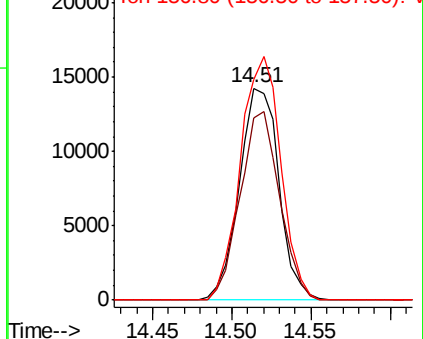


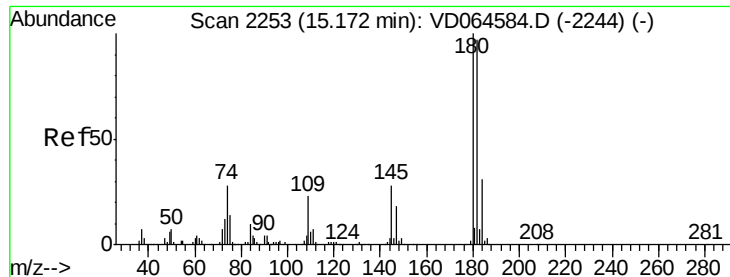
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.628 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	48.0	144.0
157	116.9	64.1	192.3



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

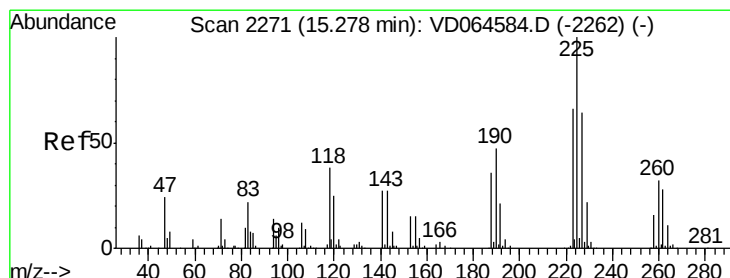
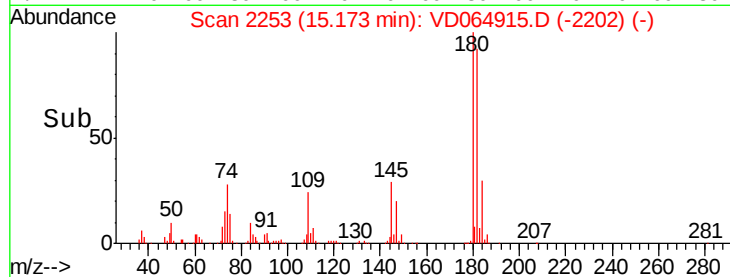
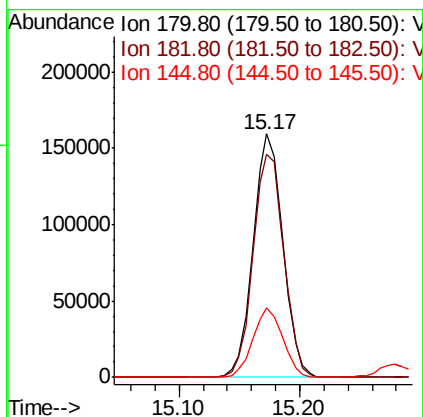
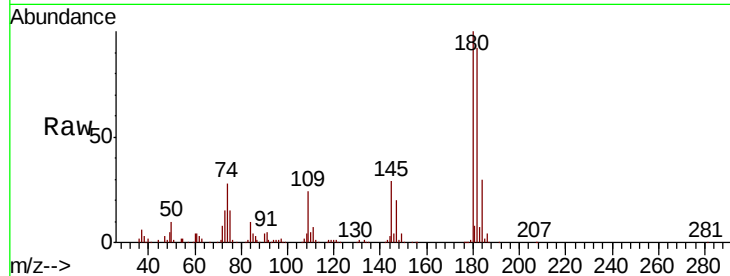




#93
 1,2,4-Trichlorobenzene
 Concen: 50.149 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

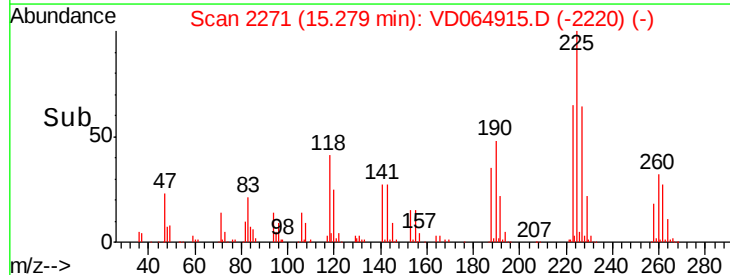
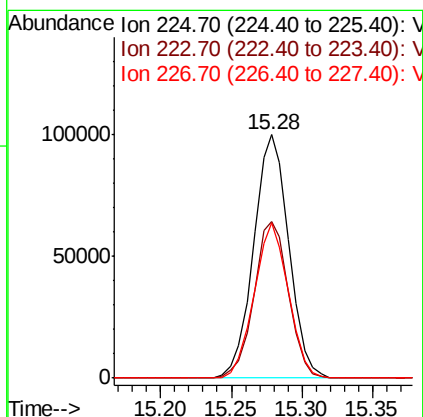
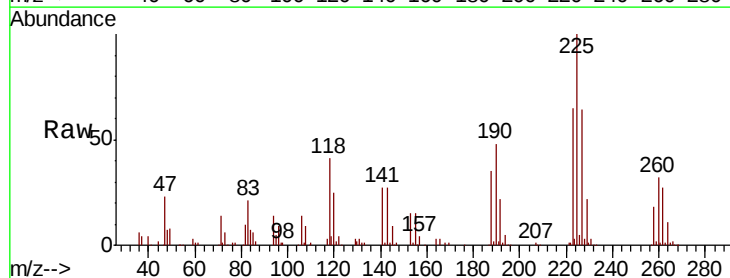
Instrument :
 MSVOA_D
 ClientSampleId :

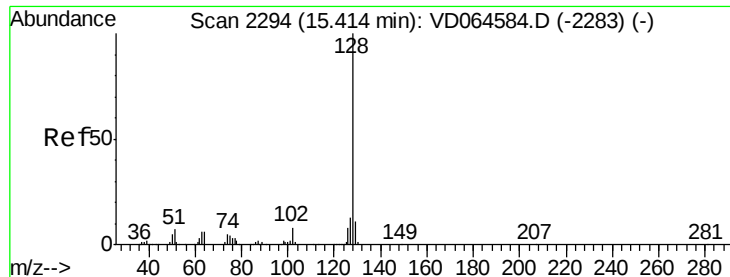
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.0	144.2
145	28.7	13.8	41.4



#94
 Hexachlorobutadiene
 Concen: 50.966 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064915.D
 Acq: 22 Jan 2020 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.2
227	61.8	30.9	92.7

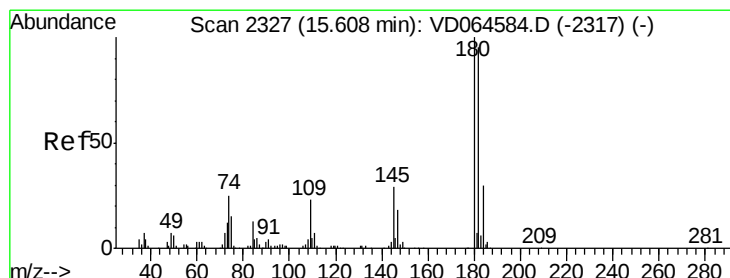
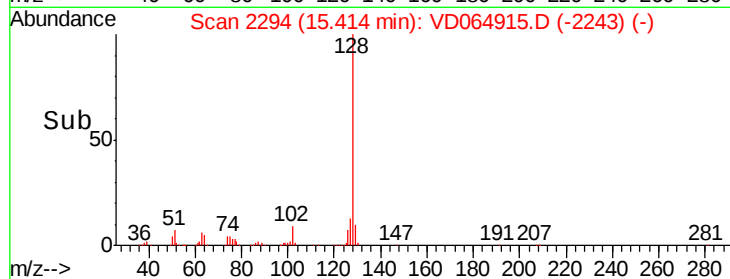
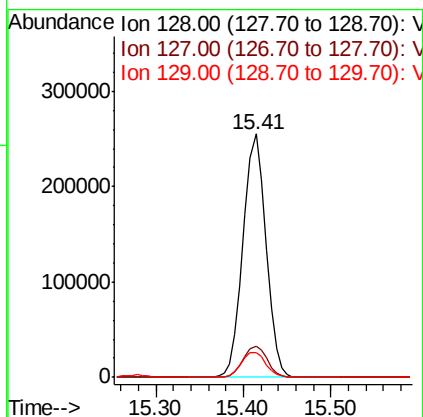
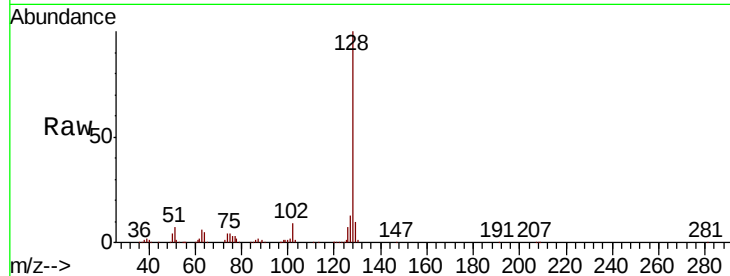




#95
Naphthalene
Concen: 52.270 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 450106
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.075 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064915.D
Acq: 22 Jan 2020 14:01

Tgt Ion:180 Resp: 232689
Ion Ratio Lower Upper
180 100
182 95.1 47.9 143.7
145 30.0 14.9 44.7

