

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064800.D
 Acq On : 07 Jan 2020 18:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:39:01 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	326407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	453824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156415	54.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.68%	
35) Dibromofluoromethane	7.92	113	151255	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.34	98	567921	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.64	95	183840	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	113238	44.640	ug/l	98
3) Chloromethane	2.21	50	180825	50.970	ug/l	95
4) Vinyl Chloride	2.35	62	209690	48.477	ug/l	95
5) Bromomethane	2.77	94	150318	47.794	ug/l	93
6) Chloroethane	2.93	64	145976	50.365	ug/l	94
7) Trichlorofluoromethane	3.27	101	340136	46.701	ug/l	100
8) Diethyl Ether	3.70	74	79880	55.230	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	145672	48.295	ug/l	98
10) Methyl Iodide	4.30	142	170185	52.526	ug/l	100
11) Tert butyl alcohol	5.25	59	46034	279.075	ug/l	94
12) 1,1-Dichloroethene	4.06	96	140158	48.807	ug/l	99
13) Acrolein	3.92	56	57195	248.798	ug/l	97
14) Allyl chloride	4.71	41	243336	54.348	ug/l	99
15) Acrylonitrile	5.43	53	171748	285.090	ug/l	98
16) Acetone	4.16	43	167595	280.213	ug/l	97
17) Carbon Disulfide	4.40	76	428552	46.153	ug/l	99
18) Methyl Acetate	4.73	43	94305	58.198	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	362994	56.910	ug/l	99
20) Methylene Chloride	4.97	84	178815	61.911	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	168803	51.615	ug/l	98
22) Diisopropyl ether	6.37	45	505637	56.620	ug/l	99
23) Vinyl Acetate	6.31	43	1477238	291.606	ug/l	99
24) 1,1-Dichloroethane	6.26	63	293197	54.689	ug/l	97
25) 2-Butanone	7.22	43	231123	292.134	ug/l	98
26) 2,2-Dichloropropane	7.21	77	259170	51.994	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	189380	53.656	ug/l	98
28) Bromochloromethane	7.55	49	117613	56.435	ug/l	100
29) Tetrahydrofuran	7.57	42	141852	288.318	ug/l	99
30) Chloroform	7.71	83	311502	55.380	ug/l	99
31) Cyclohexane	7.98	56	236975	44.158	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	275371	52.122	ug/l	99
36) 1,1-Dichloropropene	8.11	75	227599	48.143	ug/l	99
37) Ethyl Acetate	7.30	43	102234	55.047	ug/l	99
38) Carbon Tetrachloride	8.10	117	246971	48.993	ug/l	98

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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	260018	45.411	ug/l	94
40) Benzene	8.36	78	665335	51.553	ug/l	98
41) Methacrylonitrile	7.53	41	51300	47.607	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	207422	55.617	ug/l	99
43) Isopropyl Acetate	8.46	43	201813	54.593	ug/l	99
44) Trichloroethene	9.11	130	190328	50.201	ug/l	96
45) 1,2-Dichloropropane	9.39	63	166491	54.031	ug/l	97
46) Dibromomethane	9.48	93	92901	54.075	ug/l	99
47) Bromodichloromethane	9.67	83	250487	54.793	ug/l	98
48) Methyl methacrylate	9.46	41	95011	54.585	ug/l	96
49) 1,4-Dioxane	9.47	88	21621	1091.439	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	516147	282.483	ug/l	99
52) Toluene	10.41	92	435916	51.483	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	236179	55.413	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	273704	54.462	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	125931	54.391	ug/l	97
56) Ethyl methacrylate	10.66	69	165359	57.188	ug/l	97
57) 1,3-Dichloropropane	10.95	76	217871	54.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	269567	244.697	ug/l	98
59) 2-Hexanone	10.99	43	358810	289.329	ug/l	99
60) Dibromochloromethane	11.14	129	173549	54.205	ug/l	99
61) 1,2-Dibromoethane	11.25	107	122226	53.523	ug/l	98
64) Tetrachloroethene	10.88	164	162525	46.680	ug/l	98
65) Chlorobenzene	11.67	112	478296	50.780	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	186993	52.662	ug/l	98
67) Ethyl Benzene	11.75	91	848233	49.615	ug/l	100
68) m/p-Xylenes	11.86	106	658997	99.867	ug/l	99
69) o-Xylene	12.18	106	306188	51.371	ug/l	99
70) Styrene	12.20	104	542345	51.839	ug/l	99
71) Bromoform	12.37	173	109513	54.082	ug/l #	99
73) Isopropylbenzene	12.48	105	808913	49.756	ug/l	99
74) N-amyl acetate	12.30	43	189604	54.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	134118	52.514	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	180655	100.560	ug/l #	100
77) Bromobenzene	12.77	156	203924	51.048	ug/l	98
78) n-propylbenzene	12.83	91	937753	49.442	ug/l	100
79) 2-Chlorotoluene	12.91	91	529558	50.825	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	670844	50.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	44517	51.827	ug/l	95
82) 4-Chlorotoluene	13.01	91	552697	49.846	ug/l	100
83) tert-Butylbenzene	13.23	119	573694	49.476	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	682977	51.349	ug/l	98
85) sec-Butylbenzene	13.41	105	779756	49.051	ug/l	99
86) p-Isopropyltoluene	13.53	119	762402	50.157	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	387541	50.889	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	374097	50.006	ug/l	99
89) n-Butylbenzene	13.86	91	677524	49.496	ug/l	99
90) Hexachloroethane	14.12	117	143157	49.304	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	331854	51.104	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40621	98.113	ug/l	55

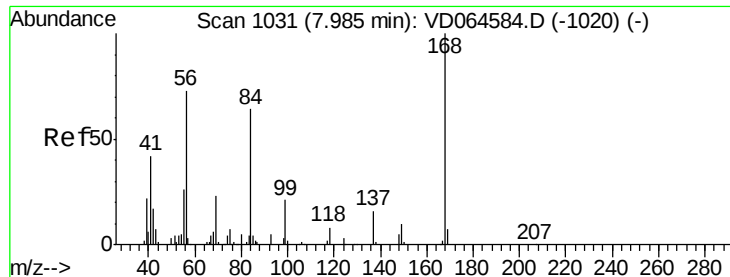
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	243549	50.937	ug/l	99
94) Hexachlorobutadiene	15.28	225	138045	45.881	ug/l	98
95) Naphthalene	15.41	128	406229	53.705	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	207530	50.842	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

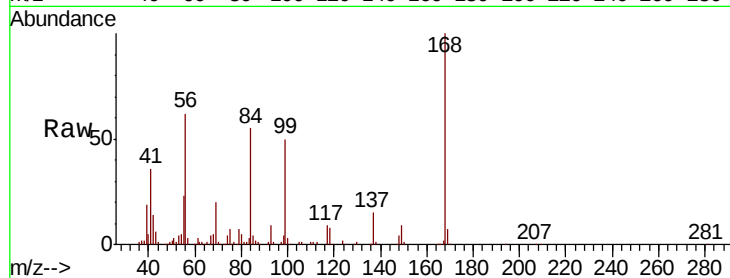
ClientSampleID :

Tot Ion:168 Resp: 326407

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

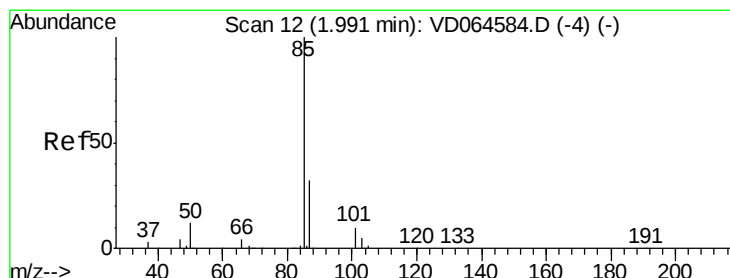
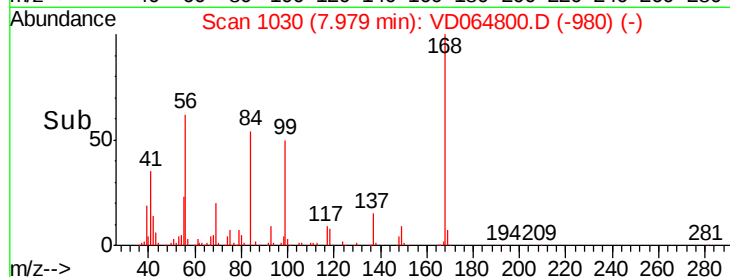
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 44.640 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064800.D

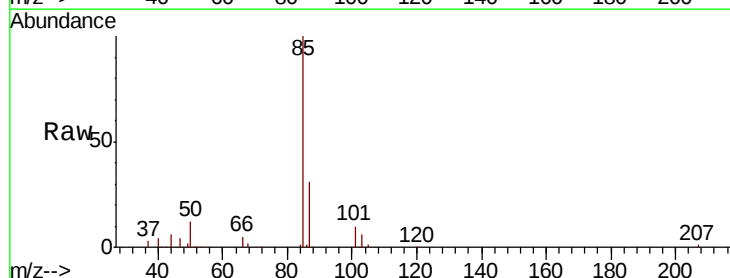
Acq: 07 Jan 2020 18:39

Tgt Ion: 85 Resp: 113238

Ion Ratio Lower Upper

85 100

87 30.8 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

80000

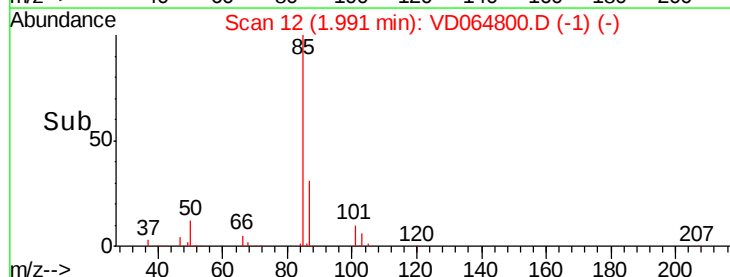
60000

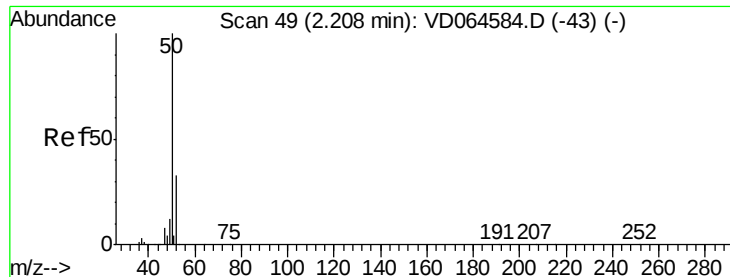
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 50.970 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

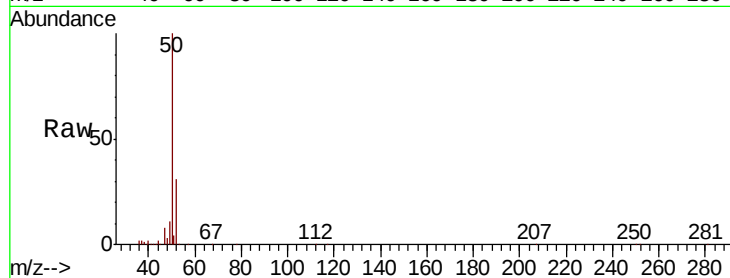
ClientSampleId :

Tot Ion: 50 Resp: 180825

Ion Ratio Lower Upper

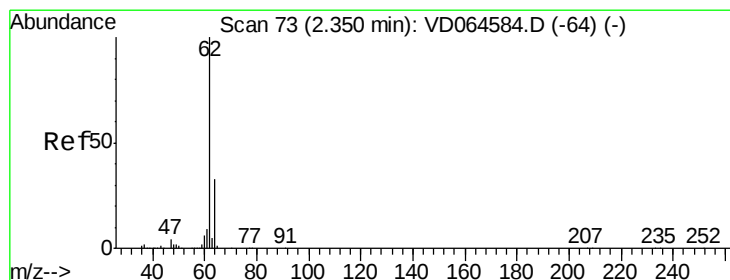
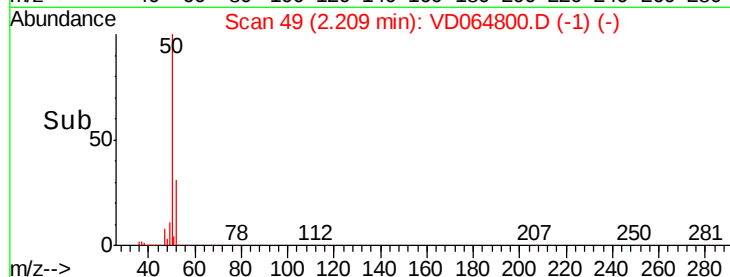
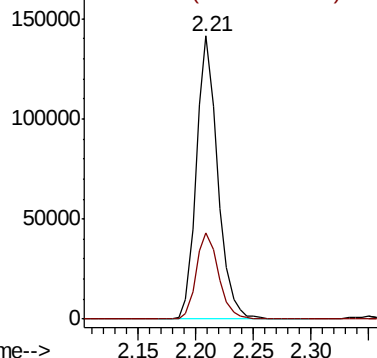
50 100

52 30.5 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: 48.477 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064800.D

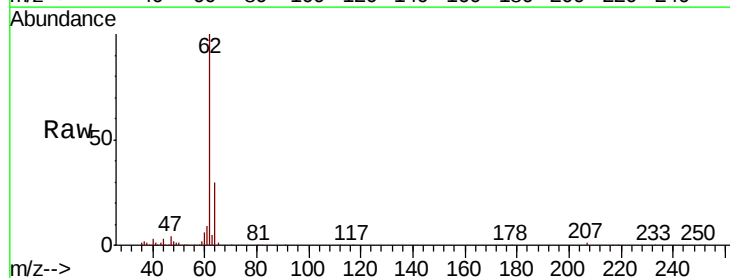
Acq: 07 Jan 2020 18:39

Tgt Ion: 62 Resp: 209690

Ion Ratio Lower Upper

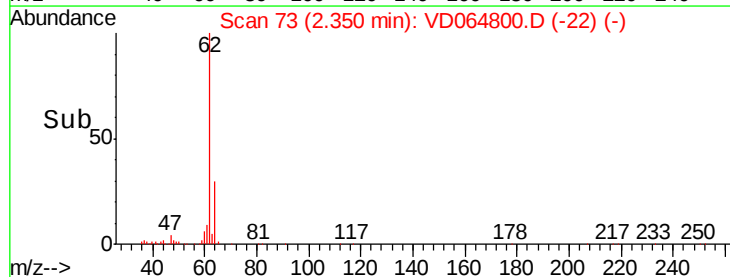
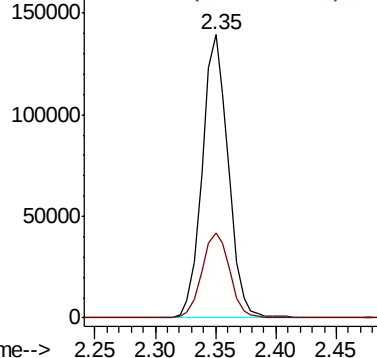
62 100

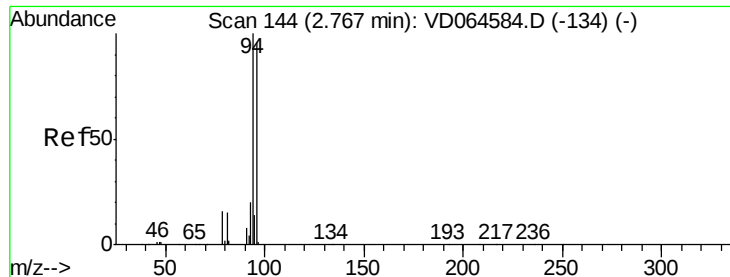
64 30.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.794 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

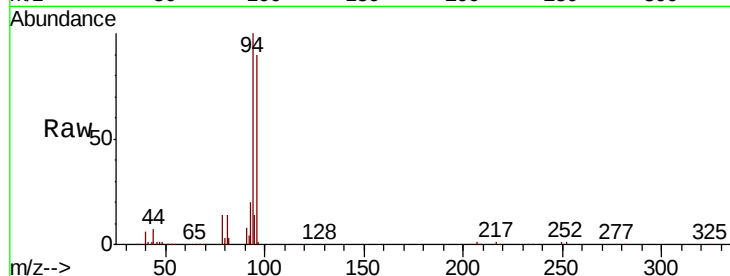
ClientSampleId :

Tot Ion: 94 Resp: 150318

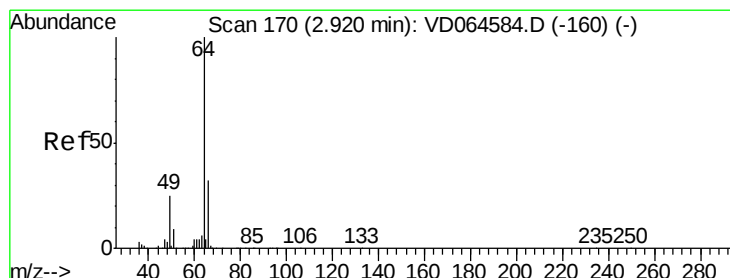
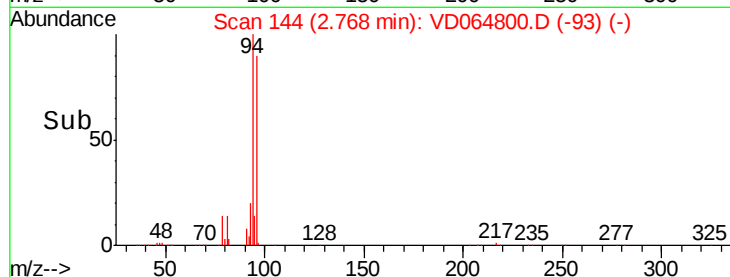
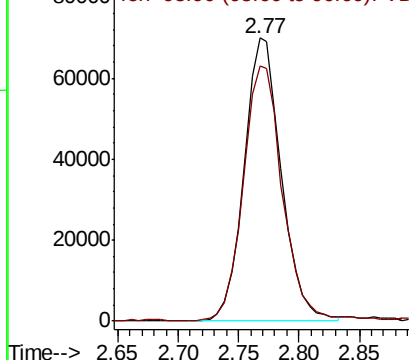
Ion Ratio Lower Upper

94 100

96 90.1 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.365 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064800.D

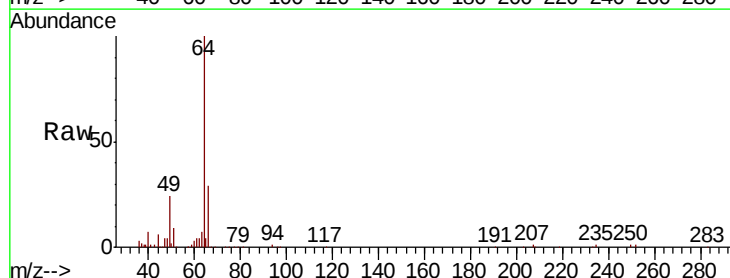
Acq: 07 Jan 2020 18:39

Tgt Ion: 64 Resp: 145976

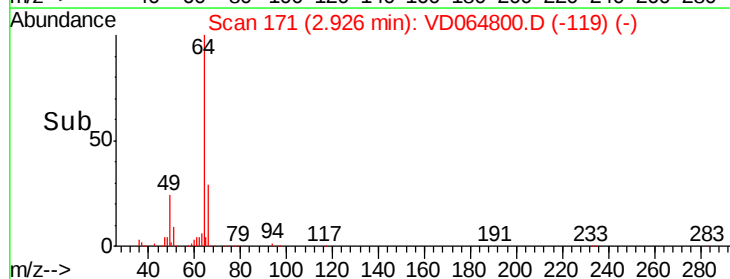
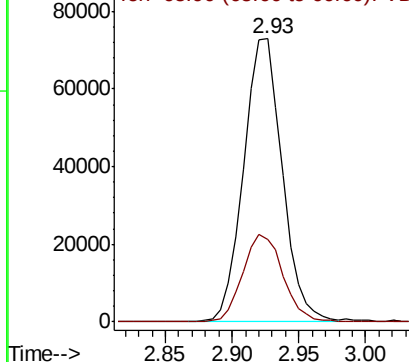
Ion Ratio Lower Upper

64 100

66 29.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



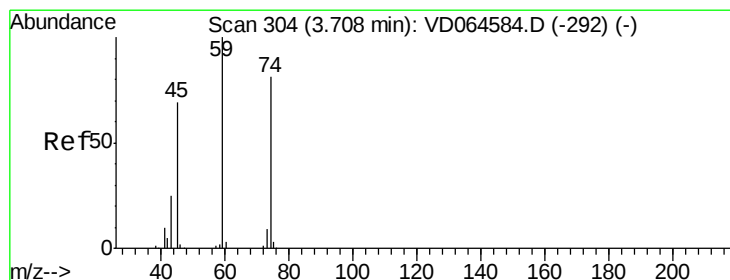
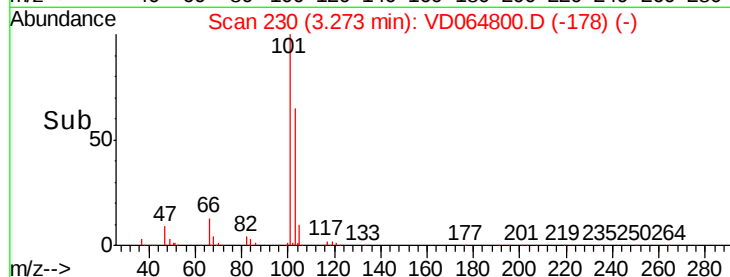
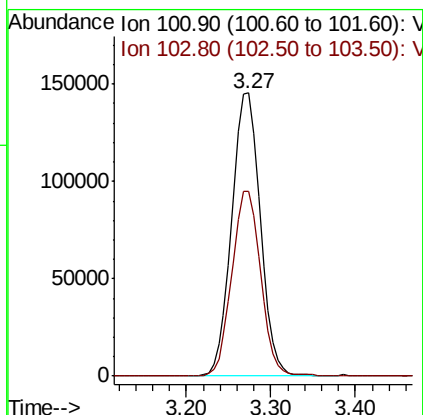
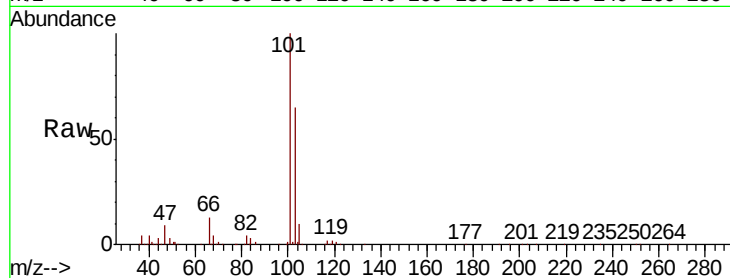


#7

Trichlorofluoromethane
Concen: 46.701 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :

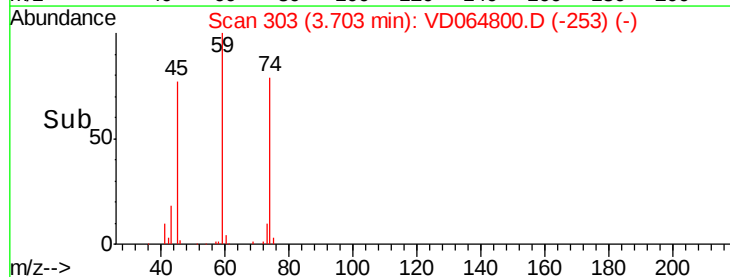
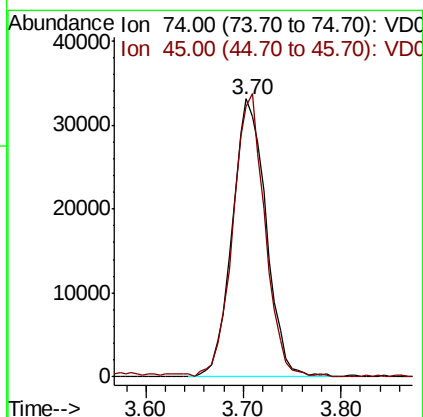
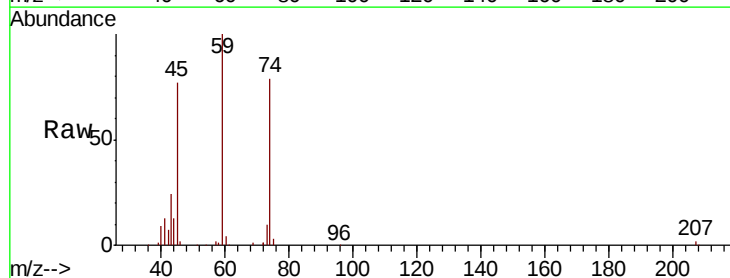
Tot Ion:101 Resp: 340136
Ion Ratio Lower Upper
101 100
103 65.4 52.2 78.4

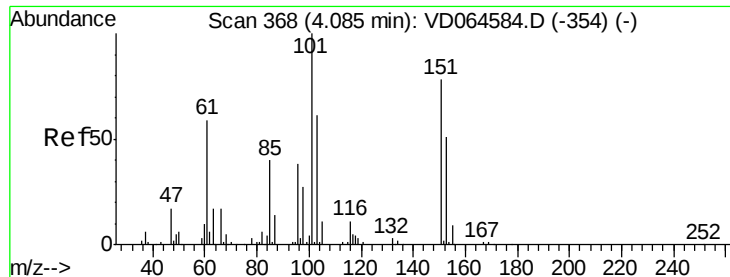


#8

Diethyl Ether
Concen: 55.230 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 74 Resp: 79880
Ion Ratio Lower Upper
74 100
45 96.6 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.295 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampled :

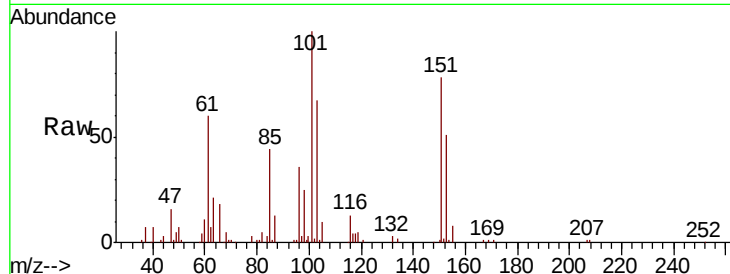
Tot Ion:101 Resp: 145672

Ion Ratio Lower Upper

101 100

85 45.6 35.2 52.8

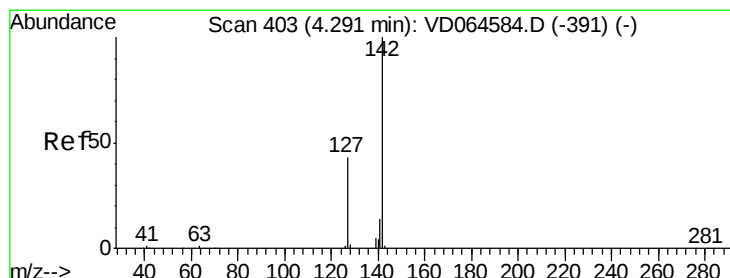
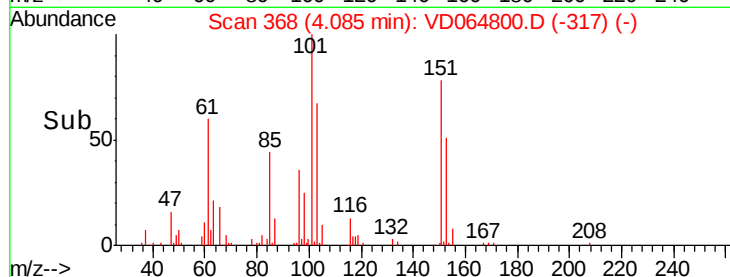
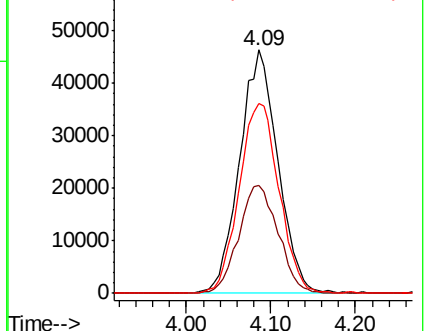
151 81.2 66.2 99.4



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: 52.526 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

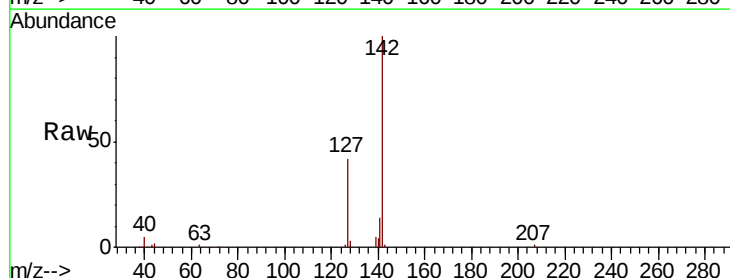
Tgt Ion:142 Resp: 170185

Ion Ratio Lower Upper

142 100

127 45.5 36.2 54.4

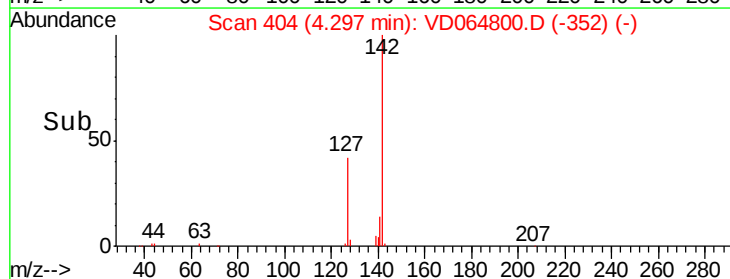
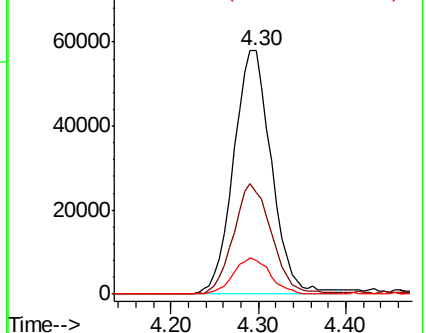
141 14.4 11.8 17.8

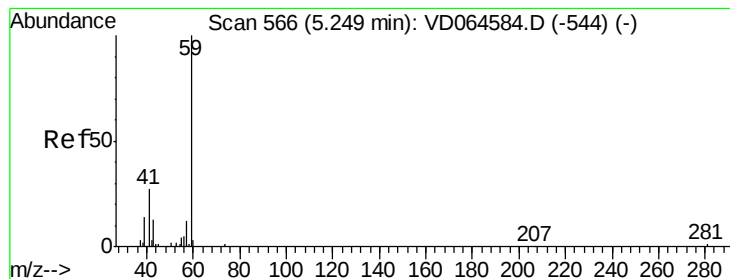


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



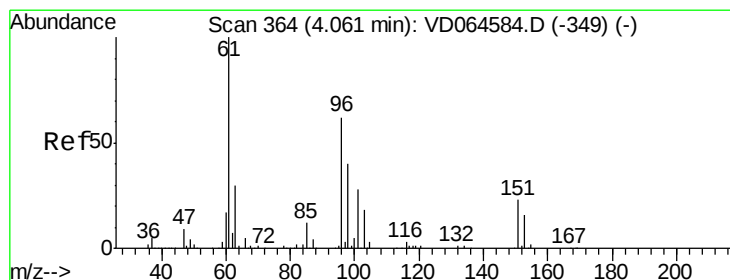
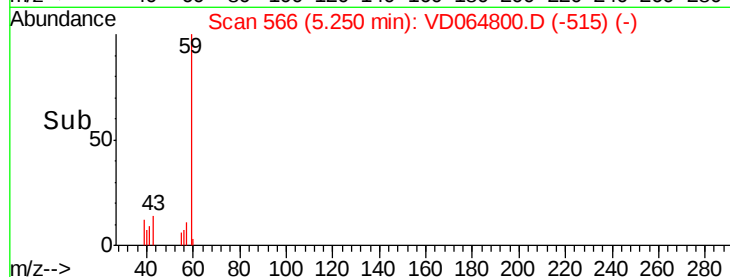
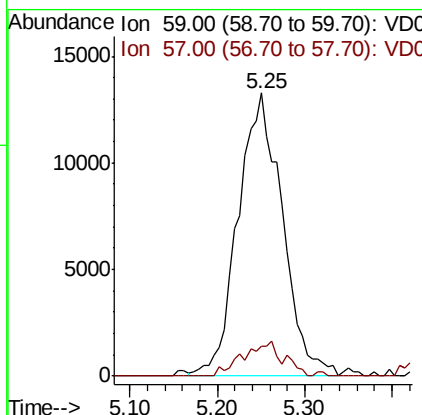
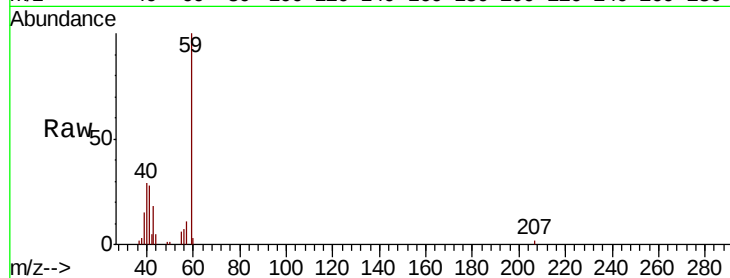


#11

Tert butyl alcohol
 Concen: 279.075 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Instrument :
 MSVOA_D
 ClientSampled :

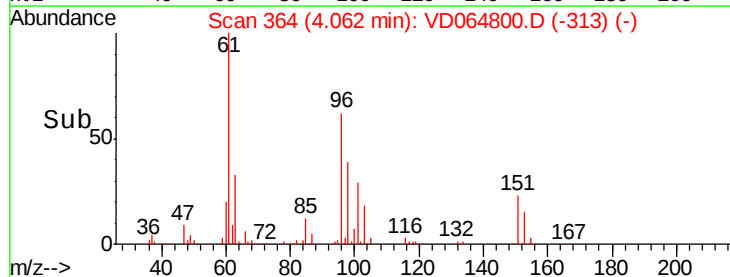
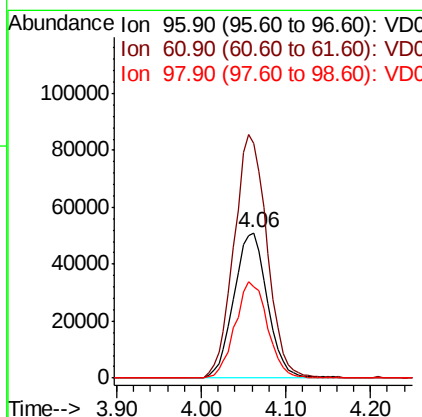
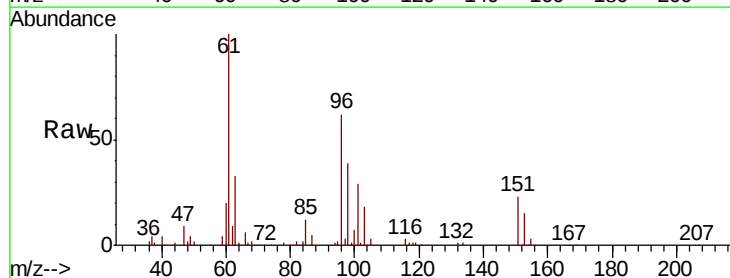
Tot Ion: 59 Resp: 46034
 Ion Ratio Lower Upper
 59 100
 57 9.3 9.3 13.9

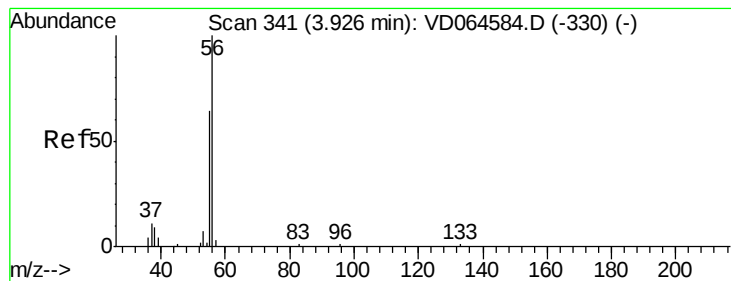


#12

1,1-Dichloroethene
 Concen: 48.807 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion: 96 Resp: 140158
 Ion Ratio Lower Upper
 96 100
 61 161.4 129.4 194.0
 98 62.6 51.4 77.0





#13

Acrolein

Concen: 248.798 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

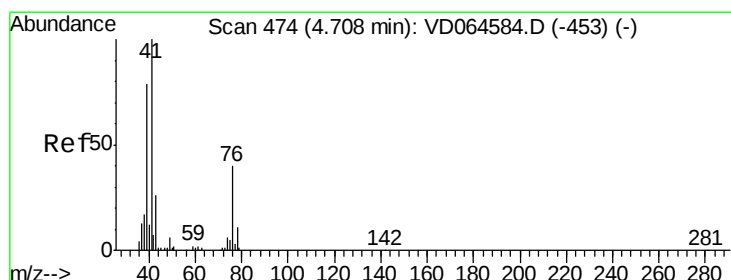
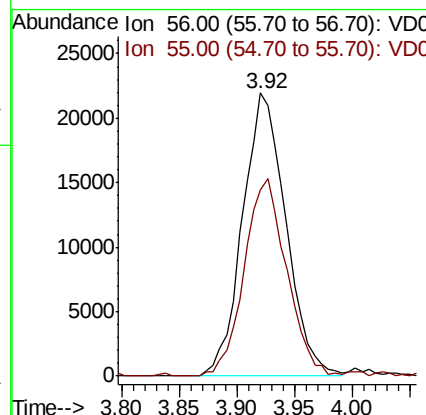
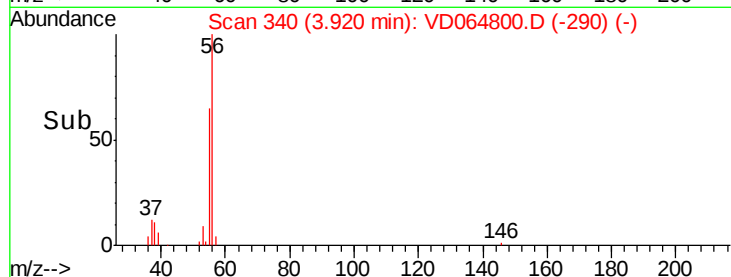
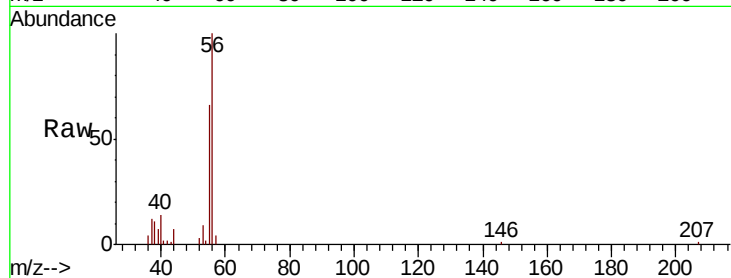
ClientSampleId :

Tot Ion: 56 Resp: 57195

Ion Ratio Lower Upper

56 100

55 68.5 56.7 85.1



#14

Allyl chloride

Concen: 54.348 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

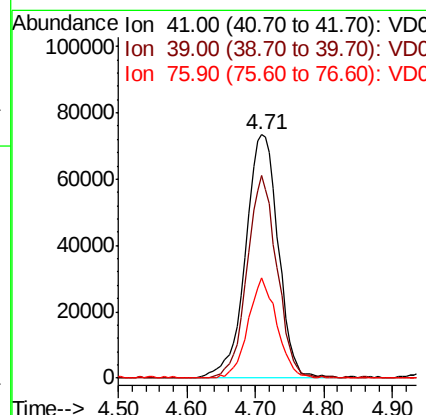
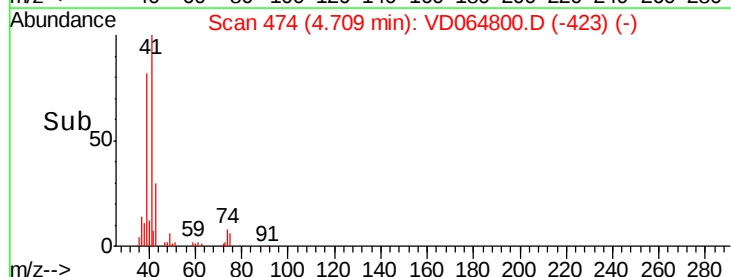
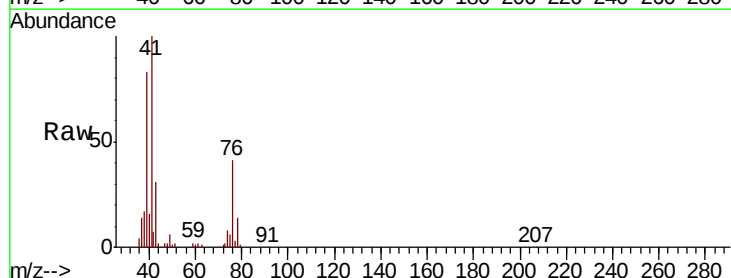
Tgt Ion: 41 Resp: 243336

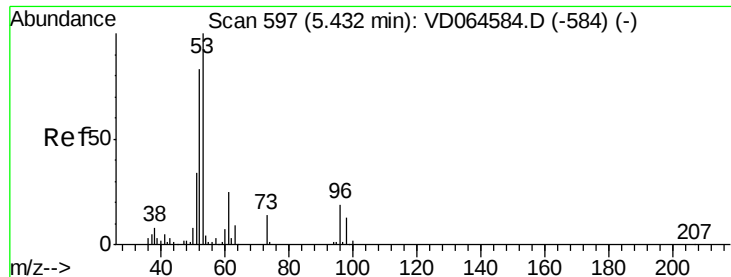
Ion Ratio Lower Upper

41 100

39 76.4 62.3 93.5

76 36.5 29.7 44.5





#15

Acrylonitrile

Concen: 285.090 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

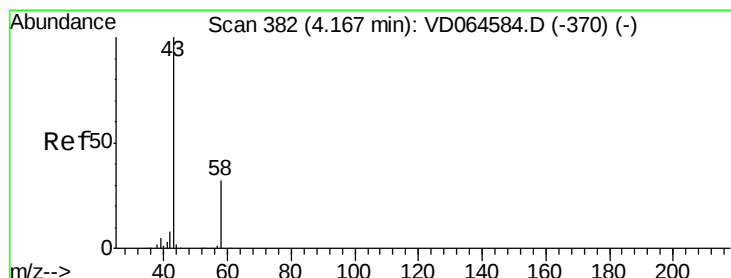
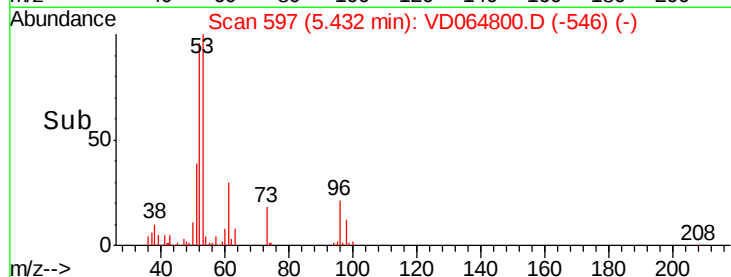
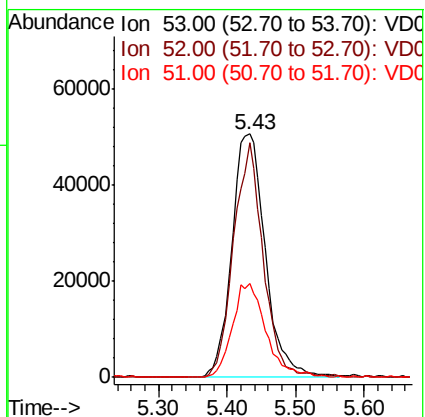
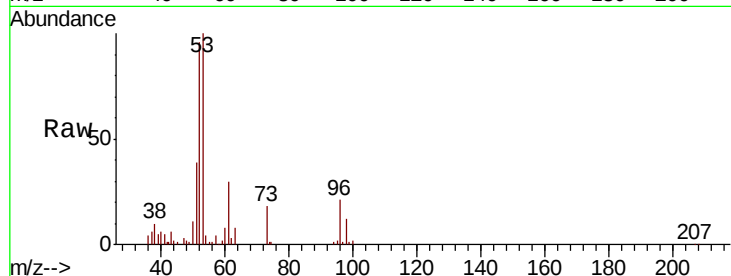
Tot Ion: 53 Resp: 171748

Ion Ratio Lower Upper

53 100

52 84.9 66.2 99.2

51 38.7 30.1 45.1



#16

Acetone

Concen: 280.213 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064800.D

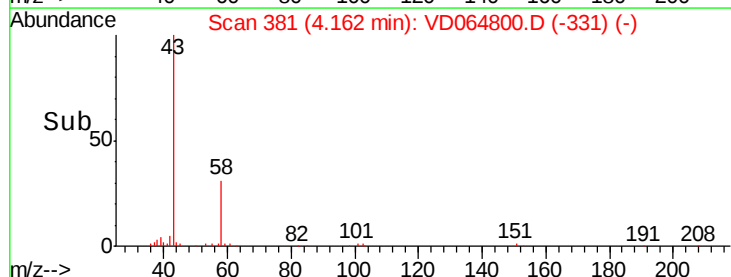
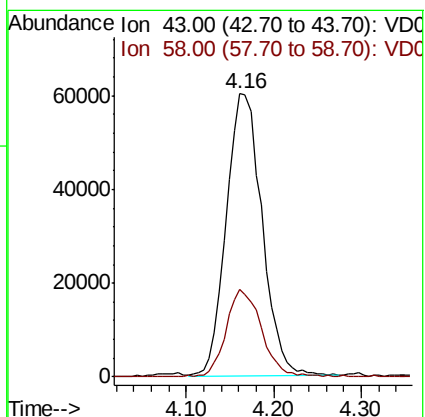
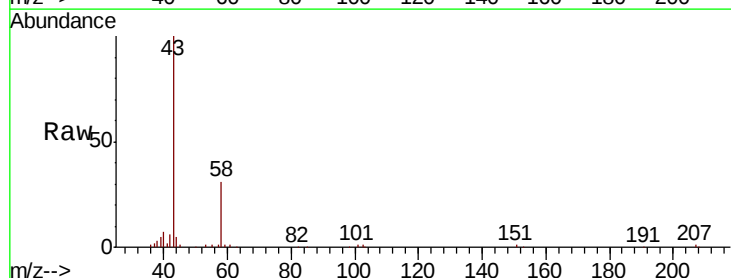
Acq: 07 Jan 2020 18:39

Tgt Ion: 43 Resp: 167595

Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.6

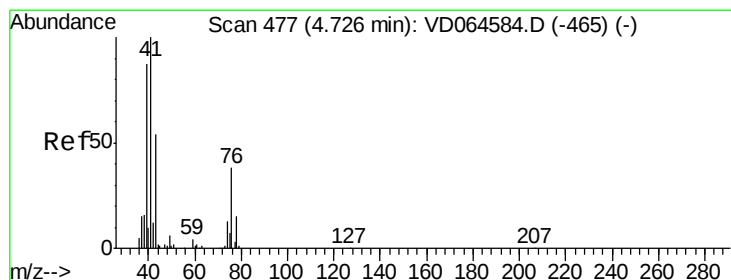
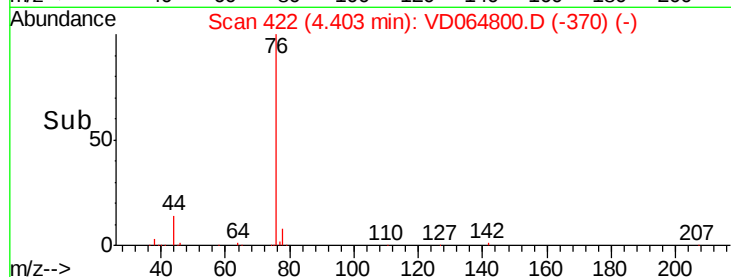
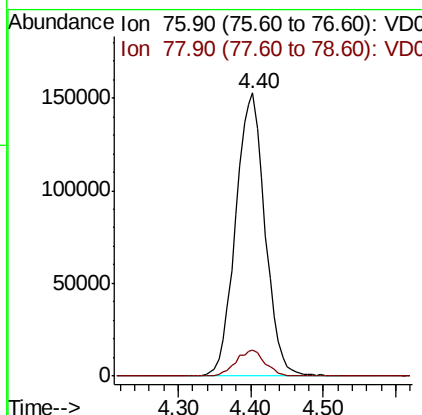
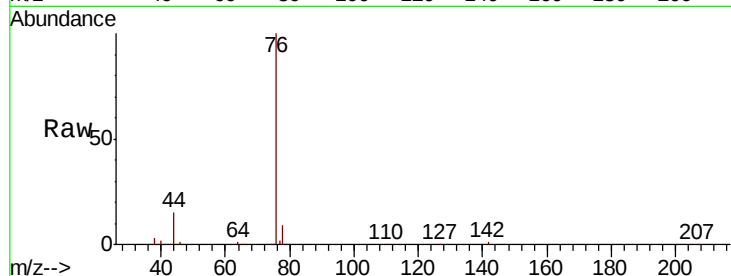




#17
Carbon Disulfide
Concen: 46.153 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

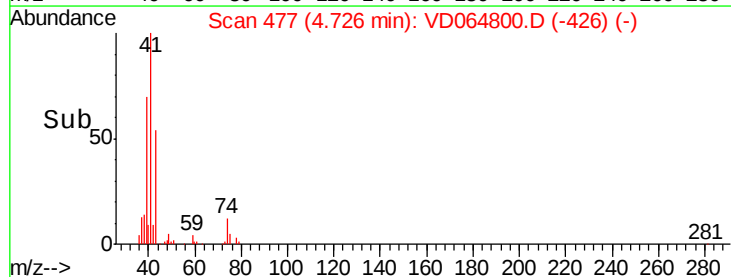
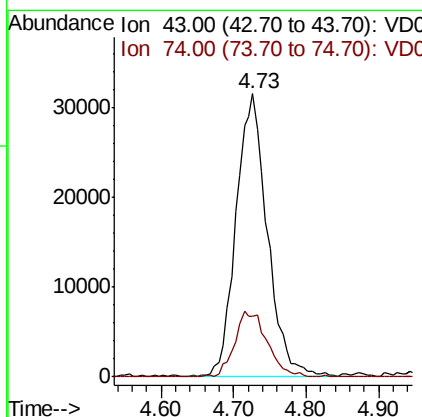
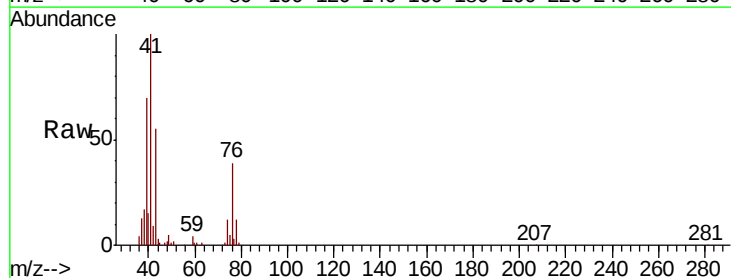
Instrument :
MSVOA_D
ClientSampleId :

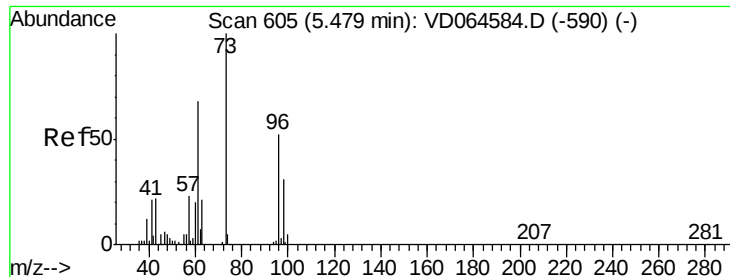
Tot Ion: 76 Resp: 428552
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 58.198 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 43 Resp: 94305
Ion Ratio Lower Upper
43 100
74 23.8 19.2 28.8

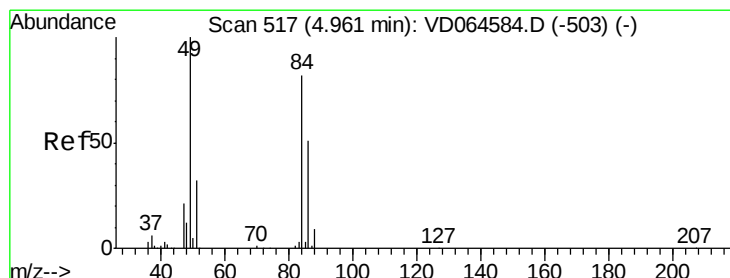
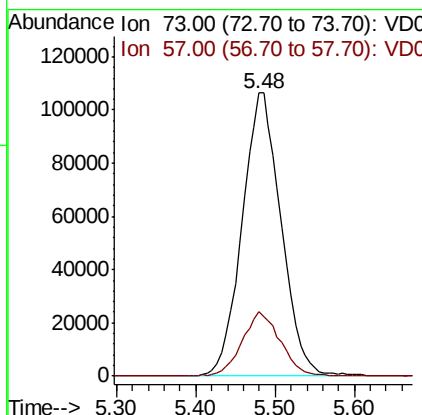
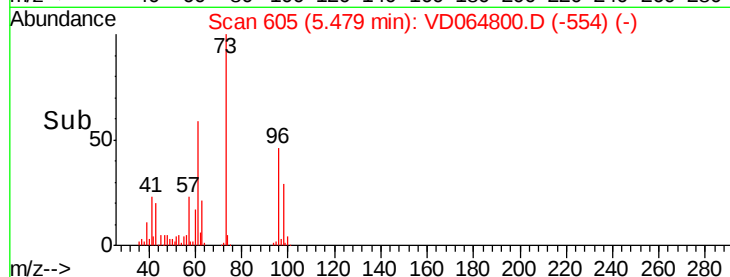
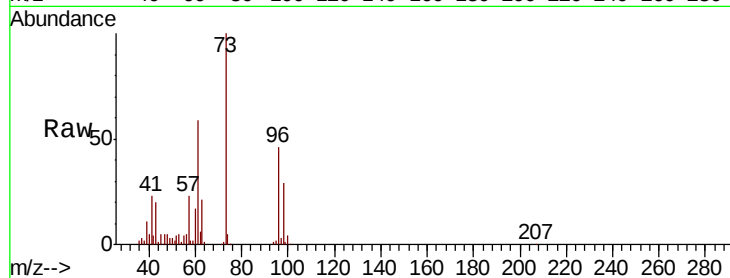




#19
Methyl tert-butyl Ether
Concen: 56.910 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

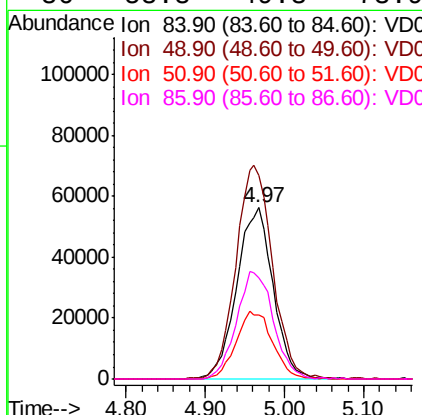
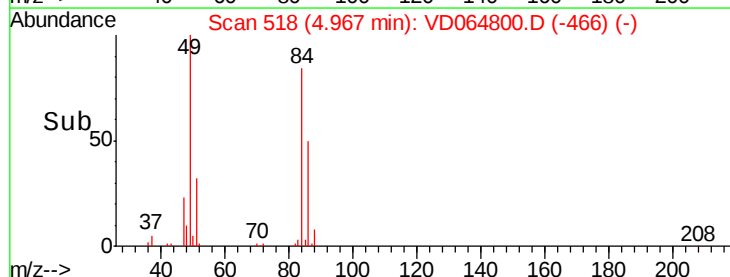
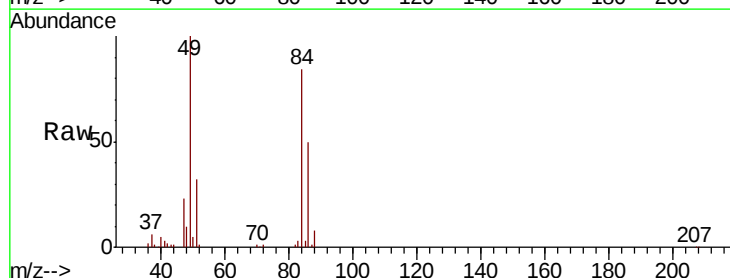
Instrument :
MSVOA_D
ClientSampleId :

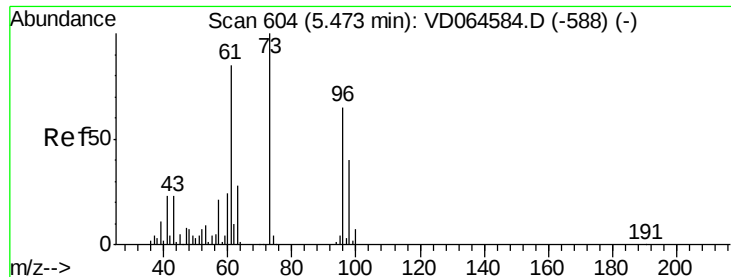
Tot Ion: 73 Resp: 362994
Ion Ratio Lower Upper
73 100
57 22.9 18.6 27.8



#20
Methylene Chloride
Concen: 61.911 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 84 Resp: 178815
Ion Ratio Lower Upper
84 100
49 118.6 97.2 145.8
51 37.5 31.4 47.0
86 58.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 51.615 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampled :

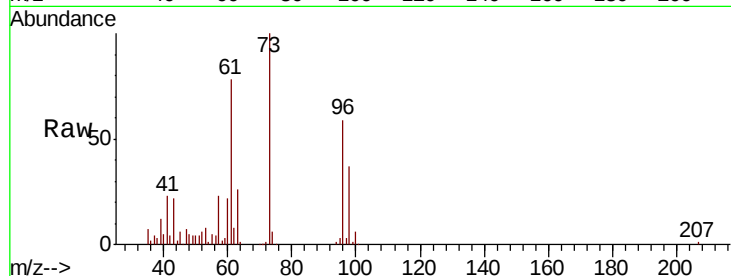
Tot Ion: 96 Resp: 168803

Ion Ratio Lower Upper

96 100

61 133.5 104.7 157.1

98 63.4 49.4 74.2

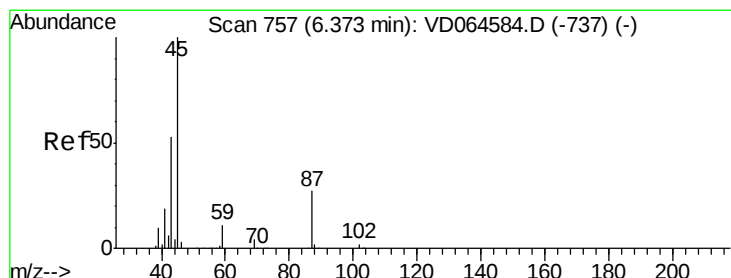
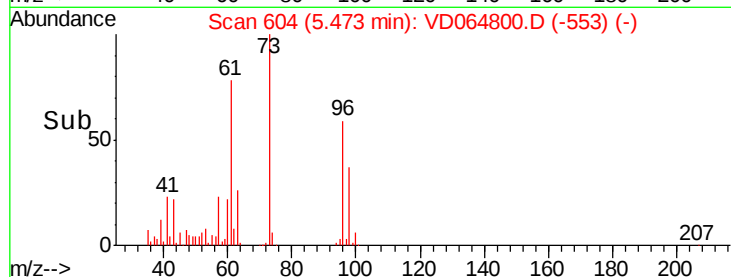
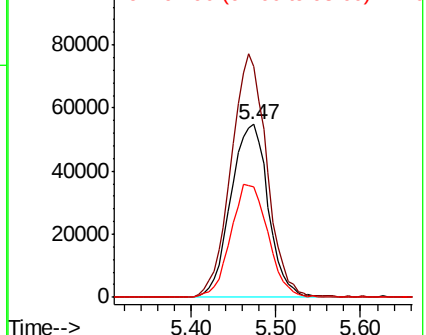


Abundance

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: 56.620 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Tgt Ion: 45 Resp: 505637

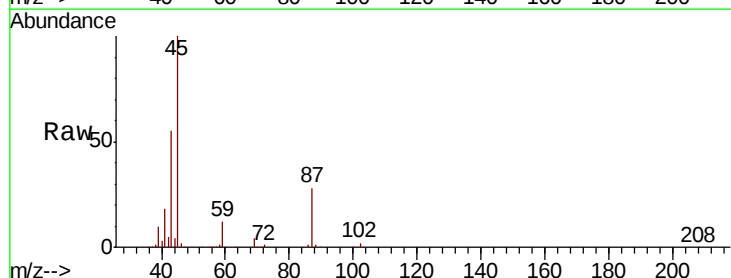
Ion Ratio Lower Upper

45 100

43 54.5 43.2 64.8

87 28.0 21.9 32.9

59 11.8 9.0 13.4



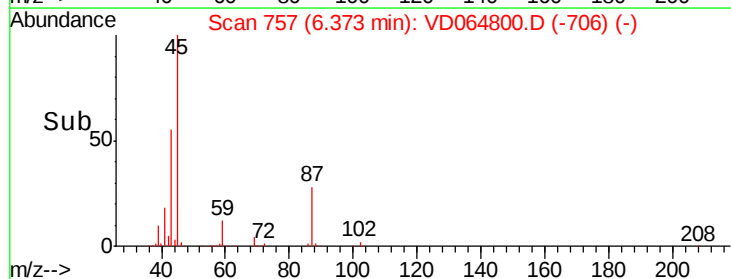
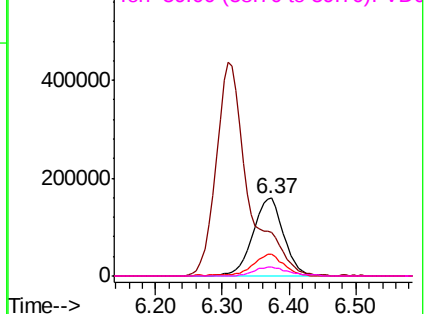
Abundance

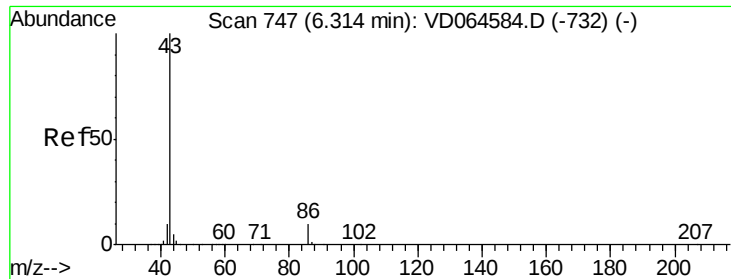
Ion 45.00 (44.70 to 45.70): VDC

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: 291.606 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

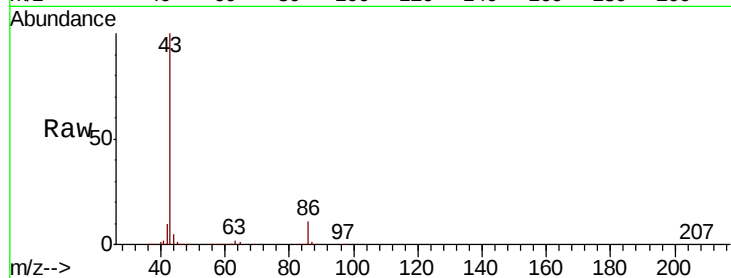
ClientSampleId :

Tot Ion: 43 Resp: 1477238

Ion Ratio Lower Upper

43 100

86 10.8 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

400000

300000

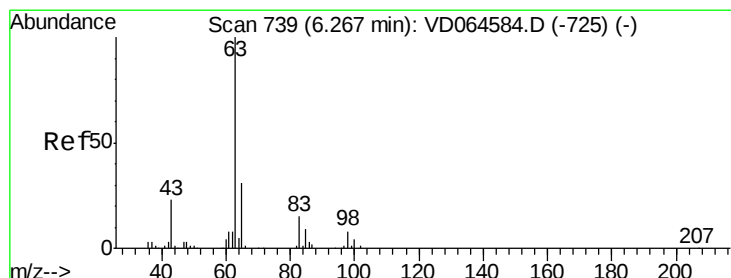
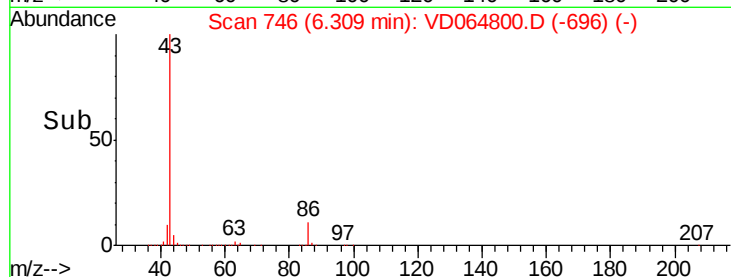
200000

100000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 54.689 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

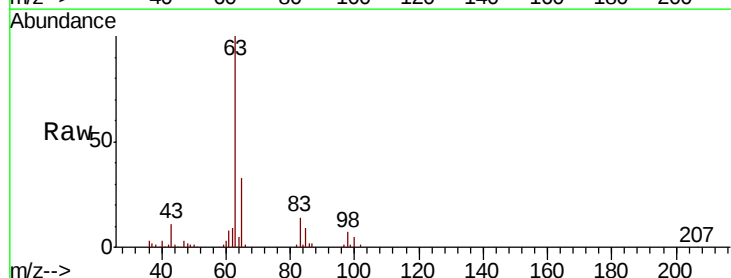
Tgt Ion: 63 Resp: 293197

Ion Ratio Lower Upper

63 100

98 6.7 4.1 12.3

100 4.8 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

120000

100000

80000

60000

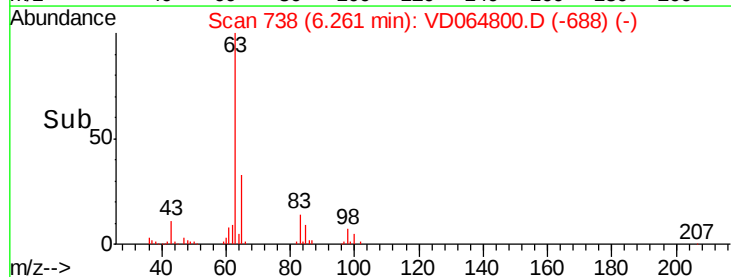
40000

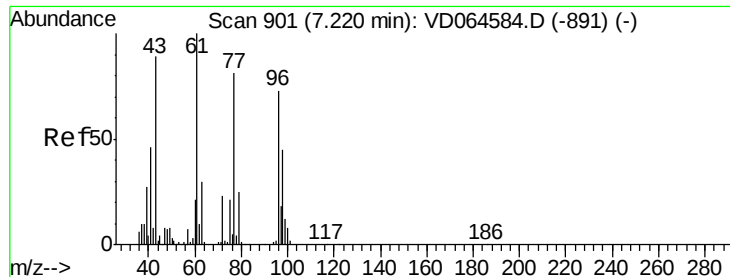
20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 292.134 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

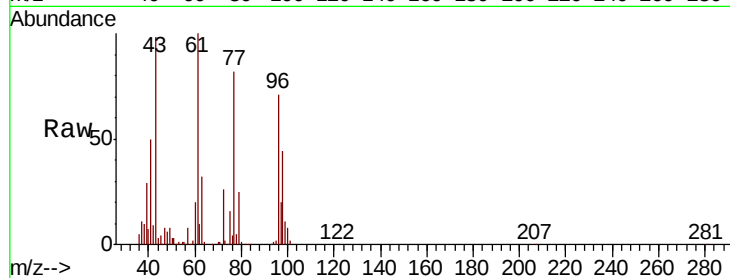
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 231123

Ion Ratio Lower Upper

43 100

72 26.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

100000

80000

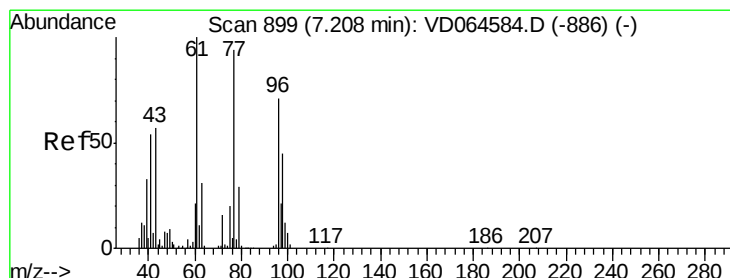
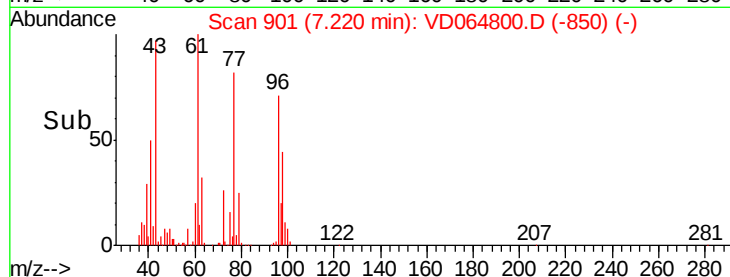
60000

40000

20000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 51.994 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064800.D

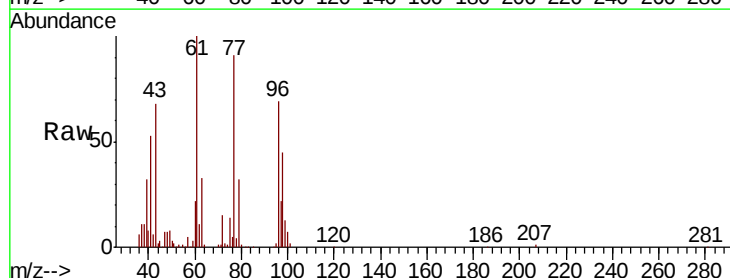
Acq: 07 Jan 2020 18:39

Tgt Ion: 77 Resp: 259170

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

100000

80000

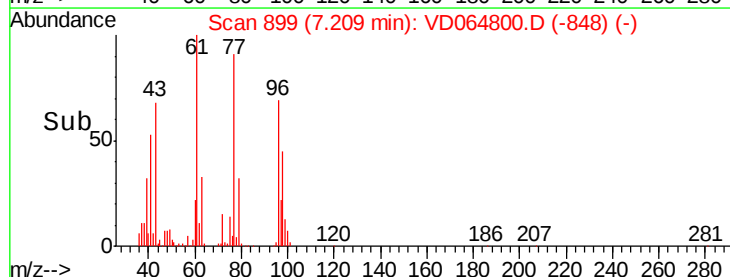
60000

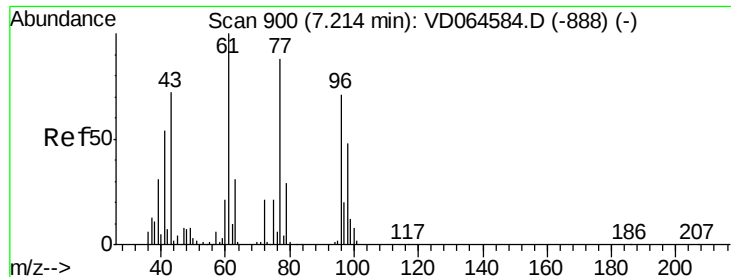
40000

20000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 53.656 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :
MSVOA_D
ClientSampled :

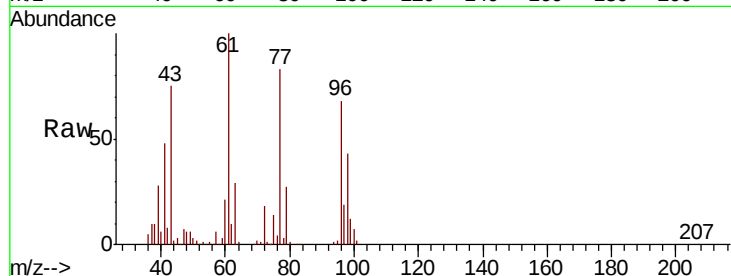
Tot Ion: 96 Resp: 189380

Ion Ratio Lower Upper

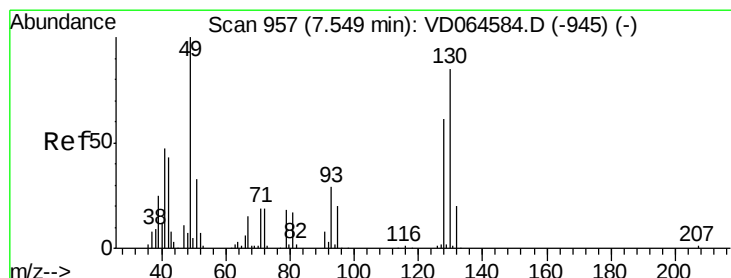
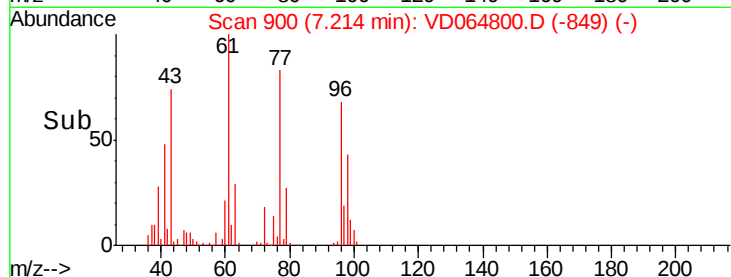
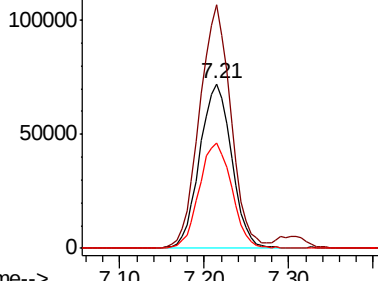
96 100

61 144.7 0.0 282.6

98 65.3 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: 56.435 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

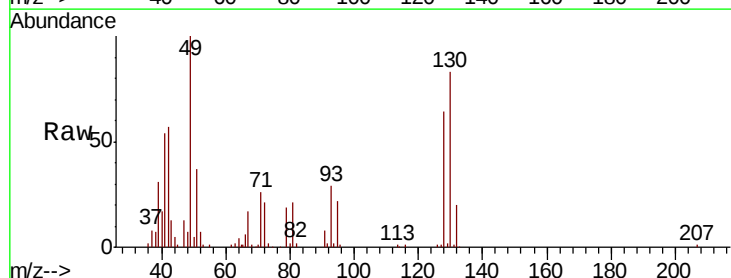
Tgt Ion: 49 Resp: 117613

Ion Ratio Lower Upper

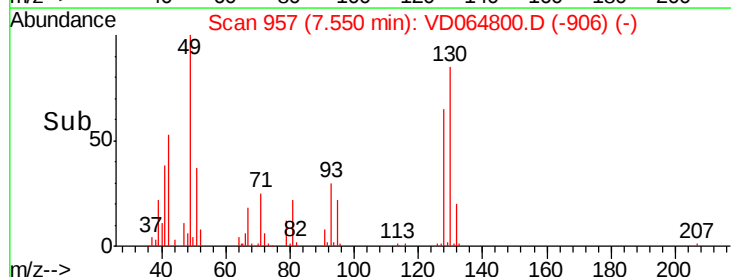
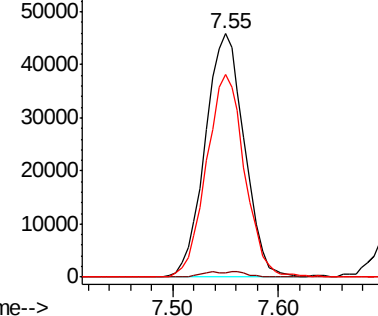
49 100

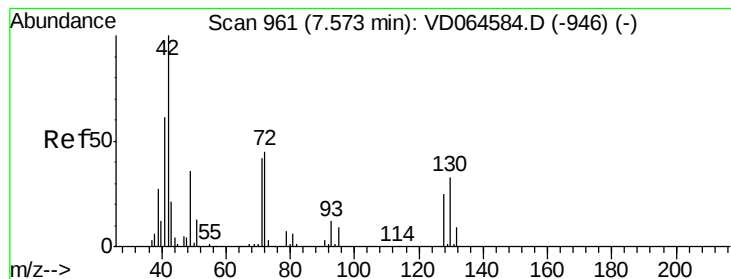
129 1.1 0.0 4.8

130 81.4 65.0 97.6



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





#29

Tetrahydrofuran

Concen: 288.318 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

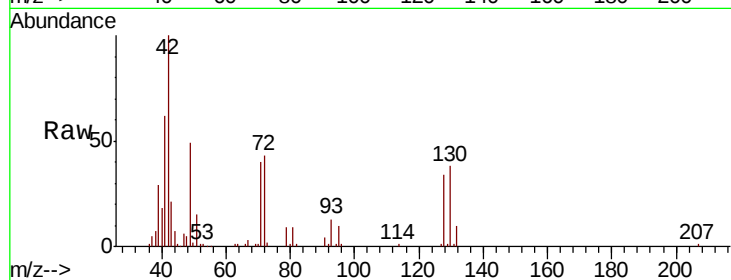
Tot Ion: 42 Resp: 141852

Ion Ratio Lower Upper

42 100

72 42.4 35.0 52.4

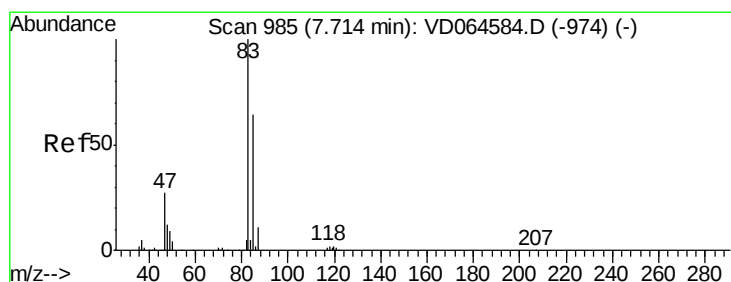
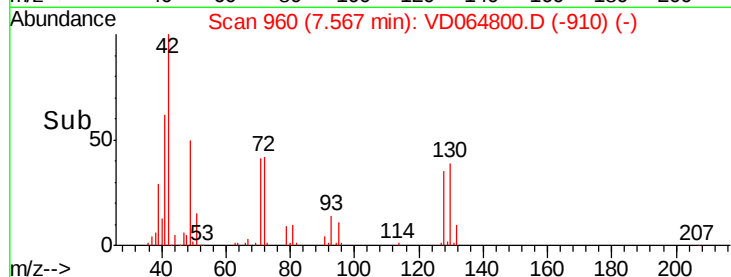
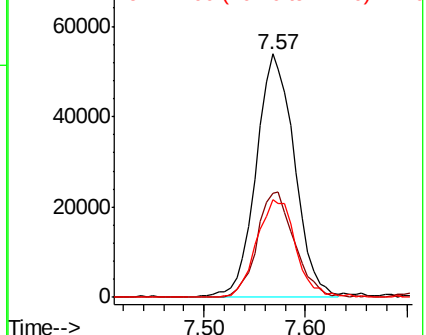
71 40.8 32.9 49.3



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: 55.380 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064800.D

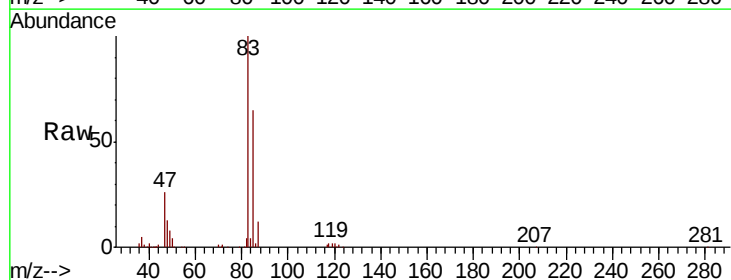
Acq: 07 Jan 2020 18:39

Tgt Ion: 83 Resp: 311502

Ion Ratio Lower Upper

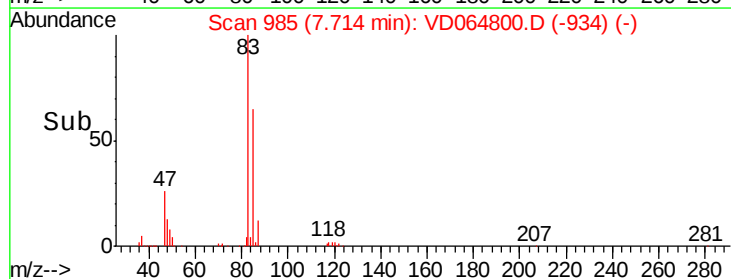
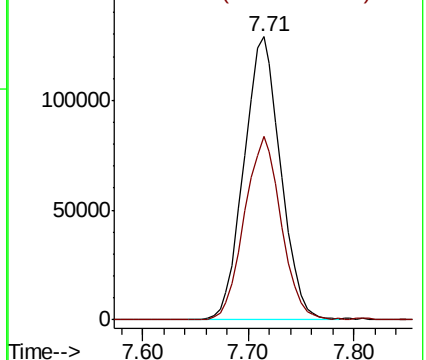
83 100

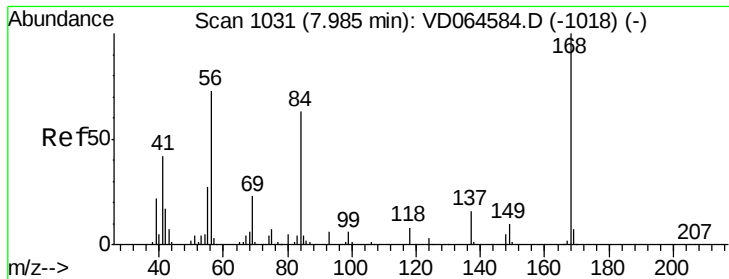
85 65.0 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

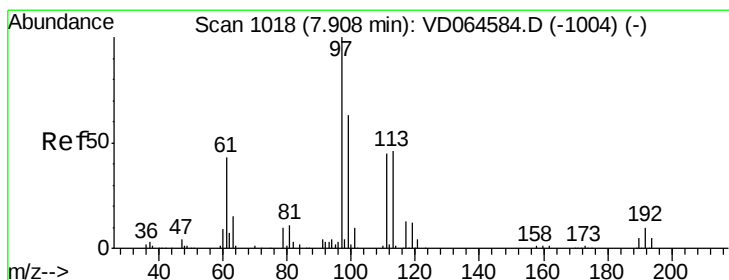
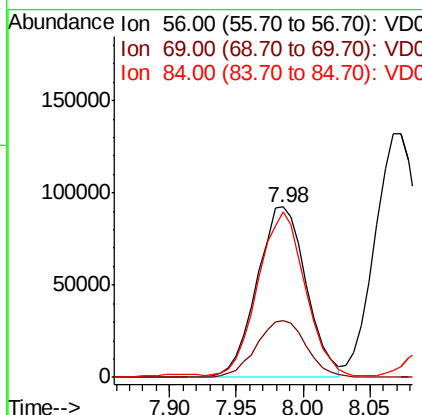
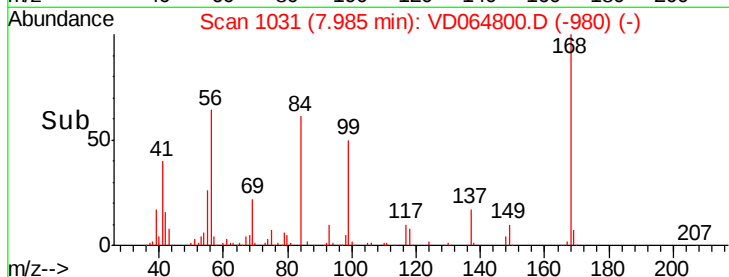
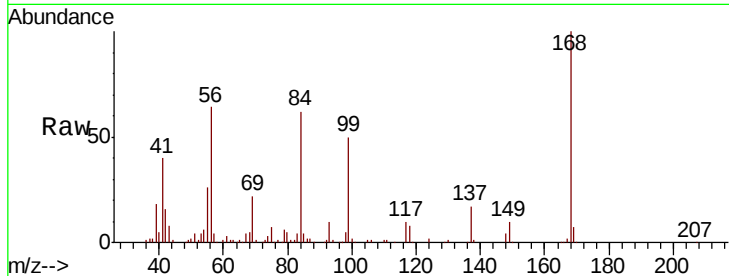




#31
Cyclohexane
Concen: 44.158 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

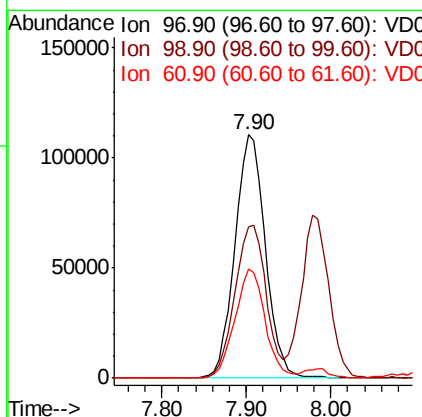
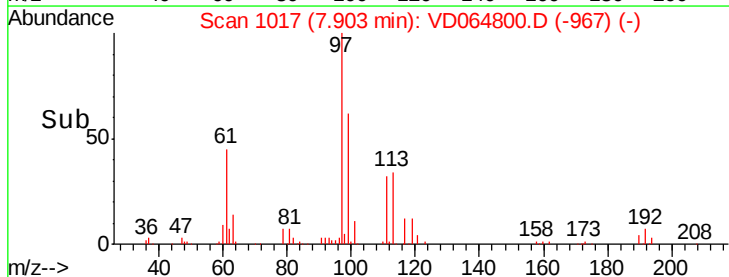
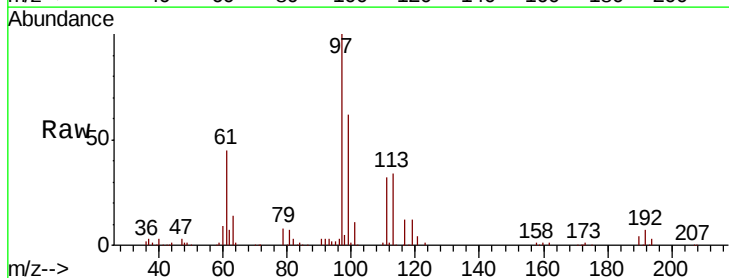
Instrument :
MSVOA_D
ClientSampled :

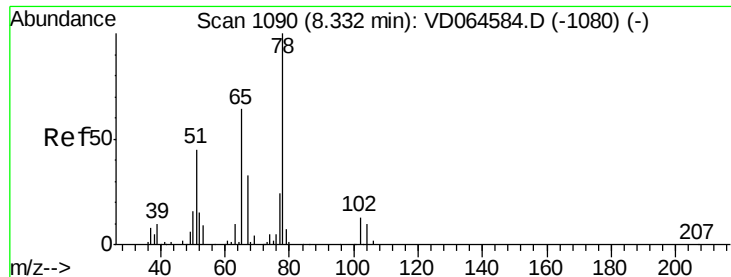
Tot Ion: 56 Resp: 236975
Ion Ratio Lower Upper
56 100
69 33.5 24.7 37.1
84 95.1 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 52.122 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 97 Resp: 275371
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.6
61 44.1 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 54.344 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

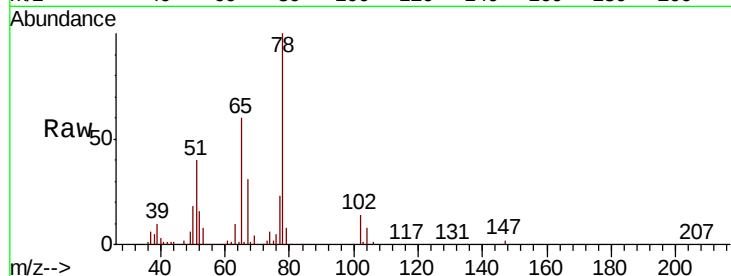
ClientSampleId :

Tot Ion: 65 Resp: 156415

Ion Ratio Lower Upper

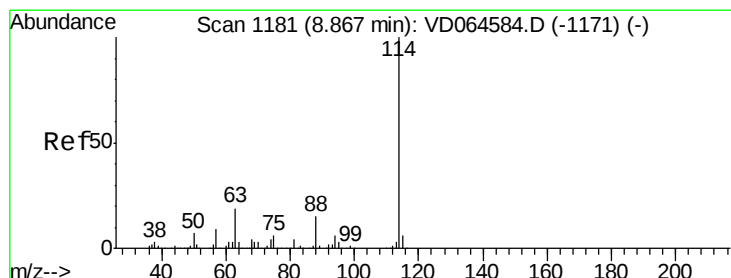
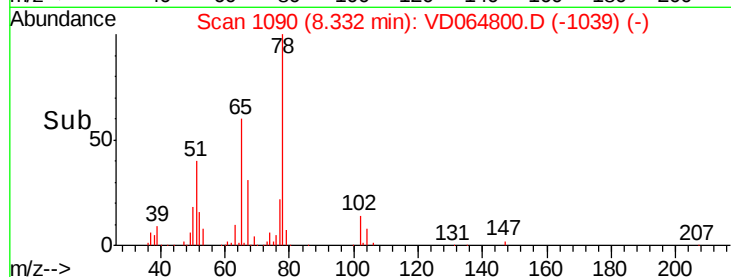
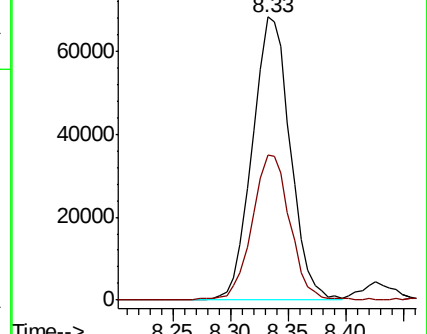
65 100

67 51.4 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

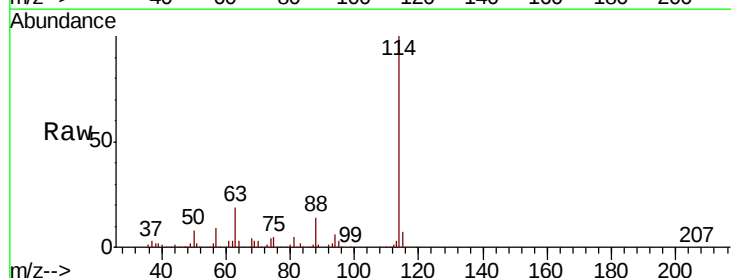
Tgt Ion: 114 Resp: 491177

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

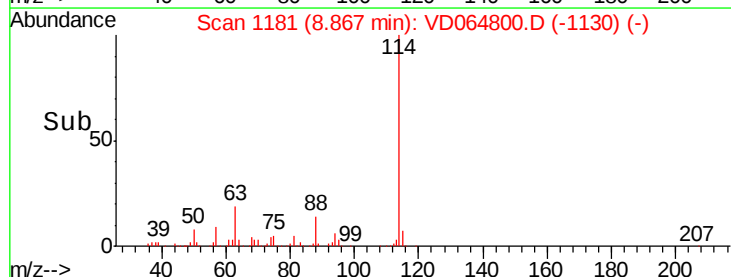
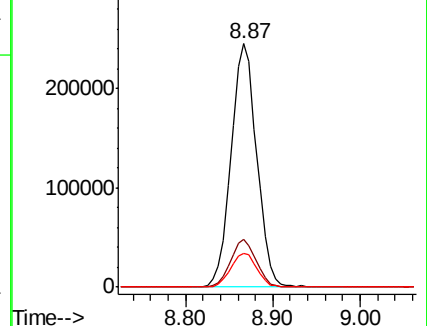
88 14.0 0.0 29.2

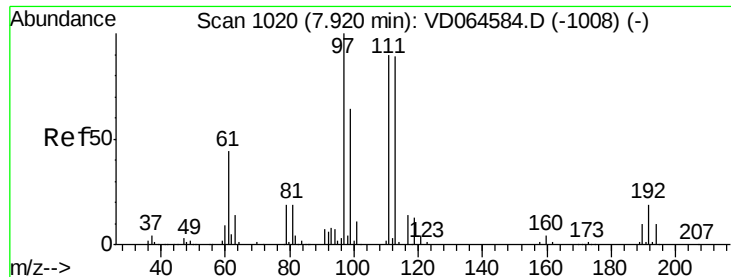


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

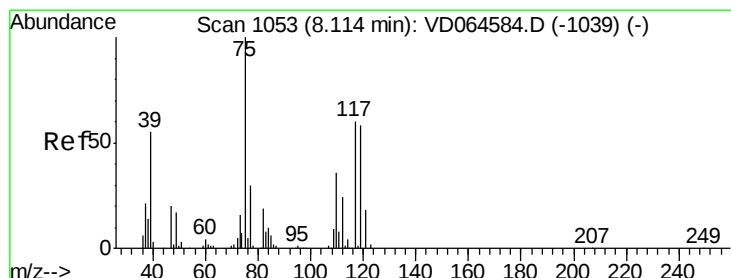
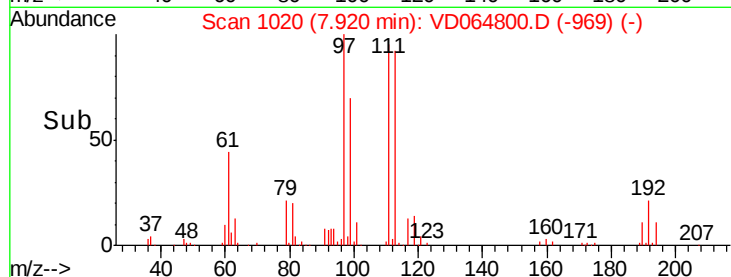
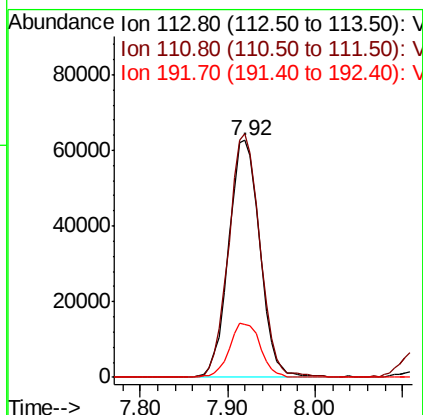
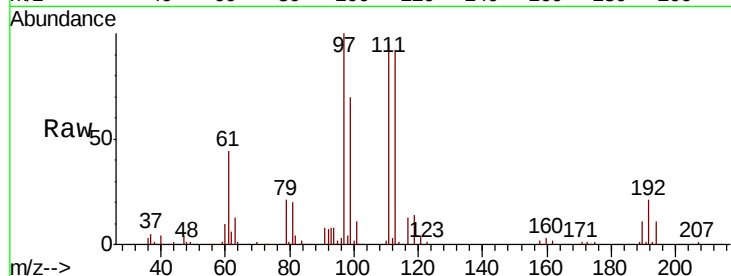




#35
 Dibromofluoromethane
 Concen: 50.193 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

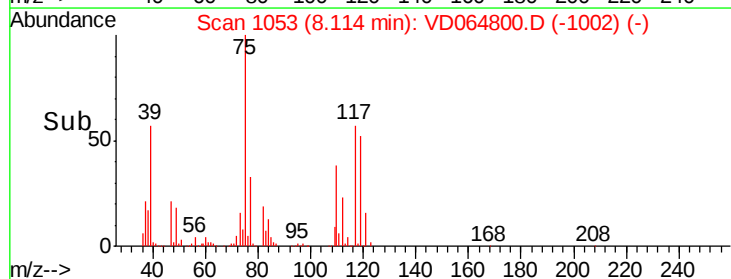
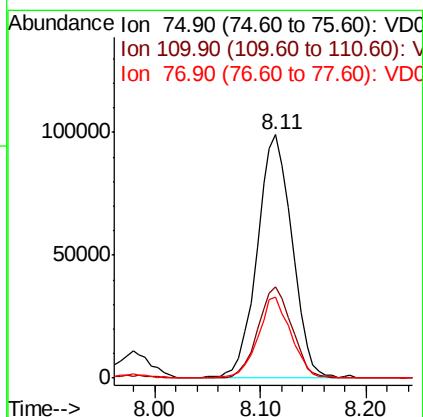
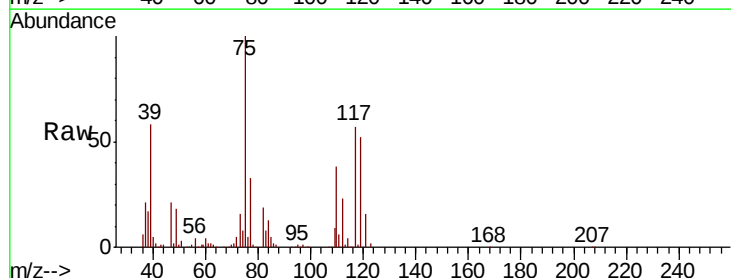
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.6	121.0
192	22.7	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 48.143 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	31.8	24.2	36.4

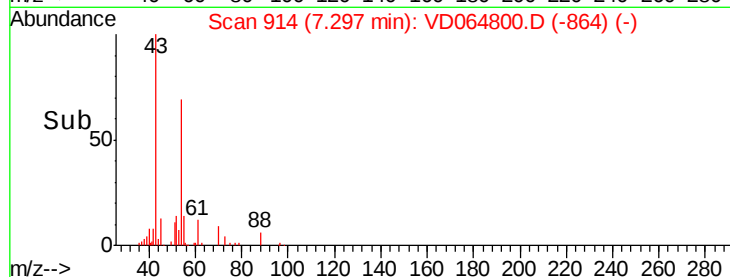
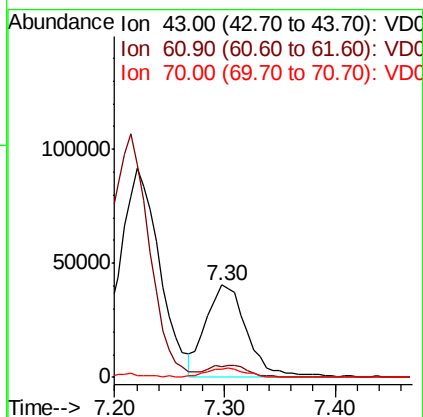
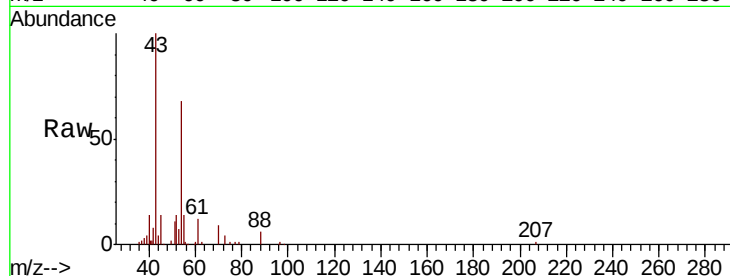




#37
Ethyl Acetate
Concen: 55.047 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

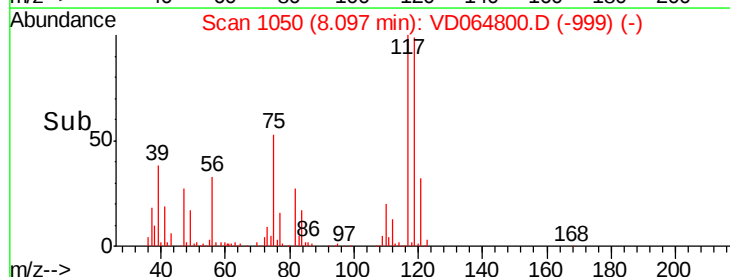
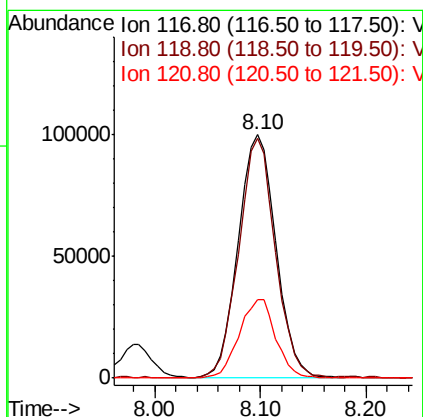
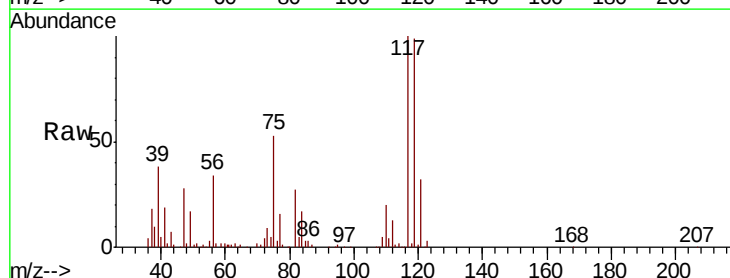
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 102234
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.993 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 117 Resp: 246971
Ion Ratio Lower Upper
117 100
119 98.9 77.3 115.9
121 32.4 25.0 37.6

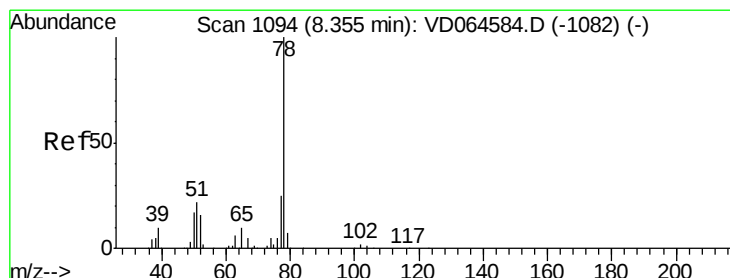
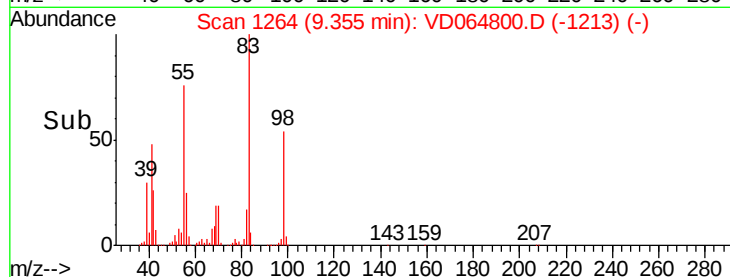
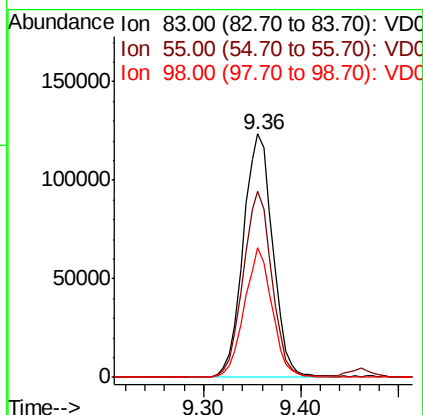
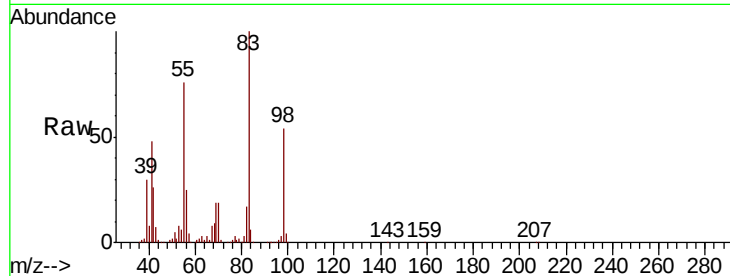




#39
Methvlcvclohexane
Concen: 45.411 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

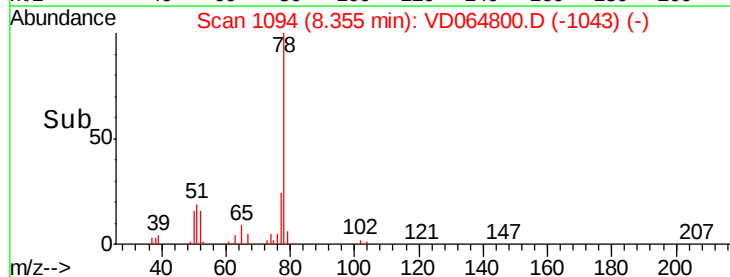
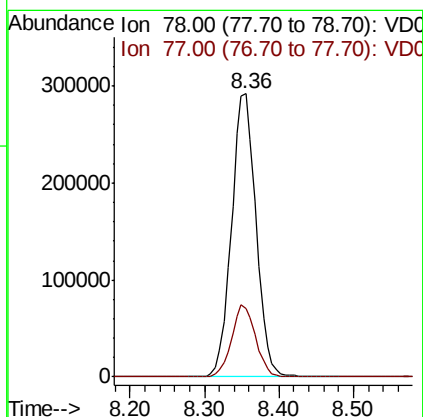
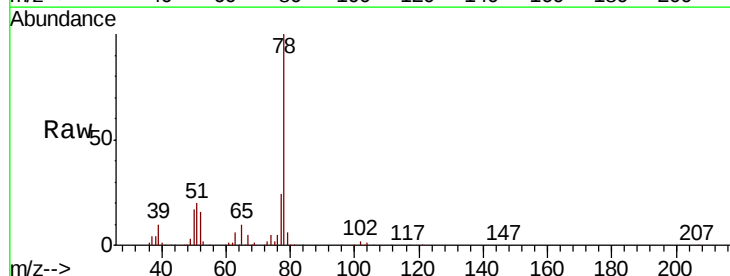
Instrument :
MSVOA_D
ClientSampleId :

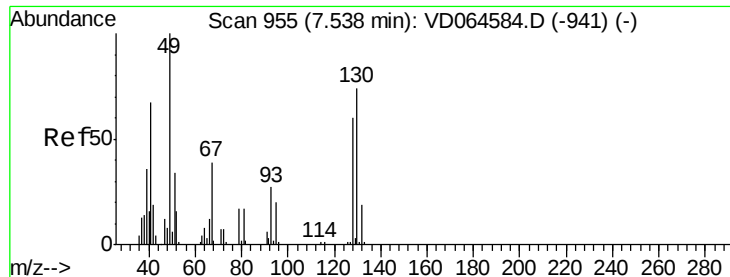
Tot Ion: 83 Resp: 260018
Ion Ratio Lower Upper
83 100
55 76.2 57.8 86.6
98 53.5 38.7 58.1



#40
Benzene
Concen: 51.553 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 78 Resp: 665335
Ion Ratio Lower Upper
78 100
77 23.9 19.9 29.9





#41

Methacrylonitrile

Concen: 47.607 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 51300

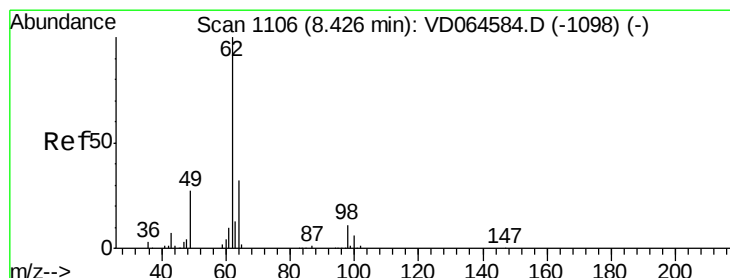
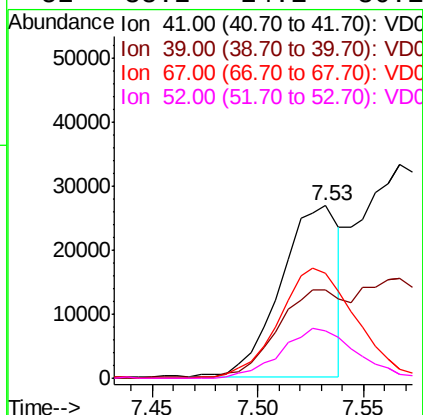
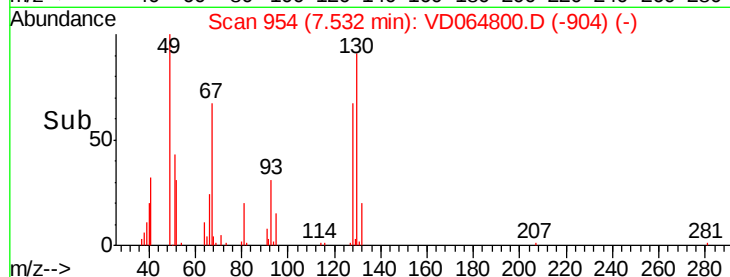
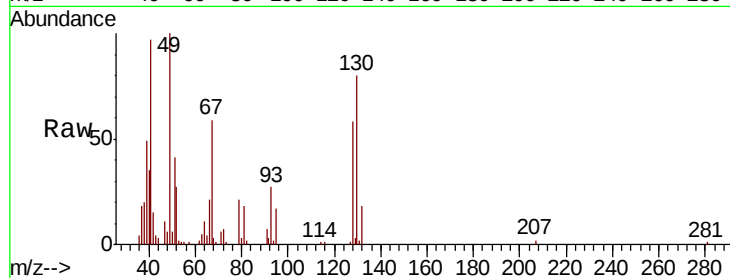
Ion Ratio Lower Upper

41 100

39 63.4 46.7 70.1

67 85.2 52.5 78.7#

52 38.2 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 55.617 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064800.D

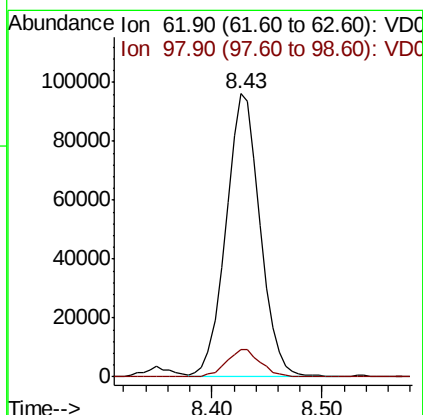
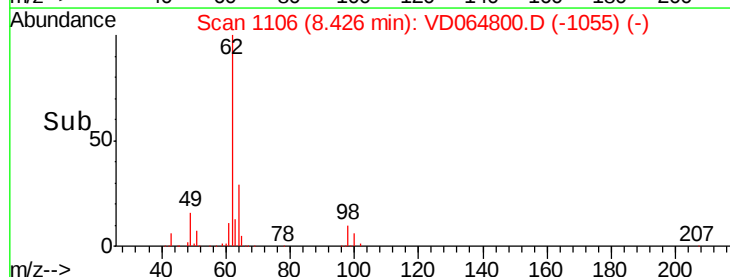
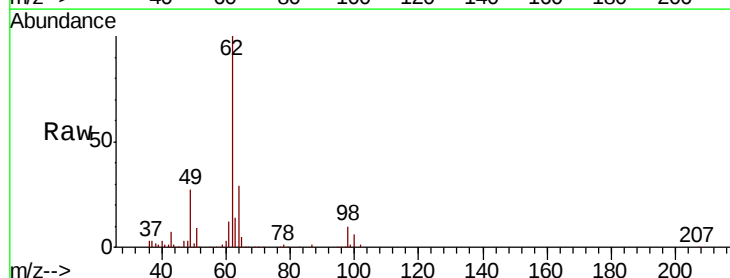
Acq: 07 Jan 2020 18:39

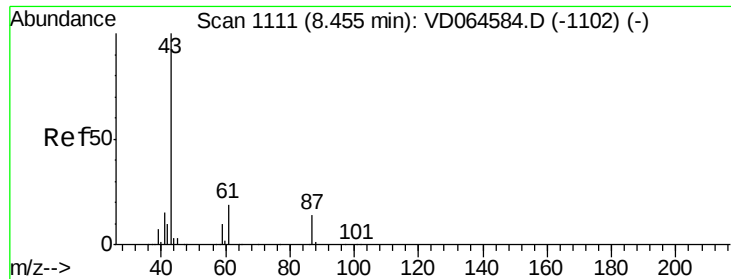
Tgt Ion: 62 Resp: 207422

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.0

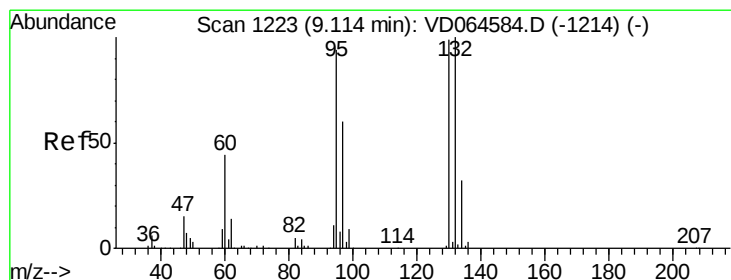
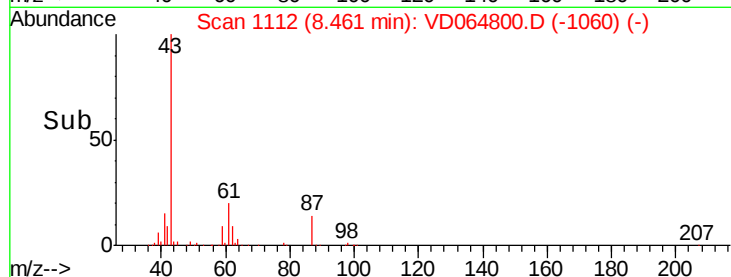
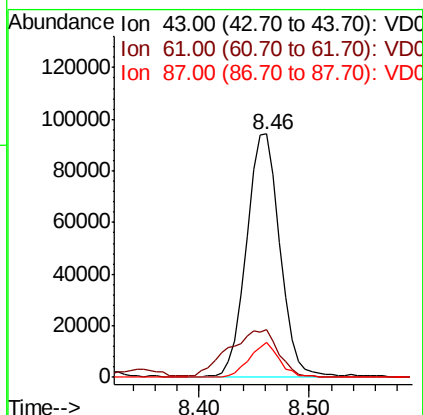
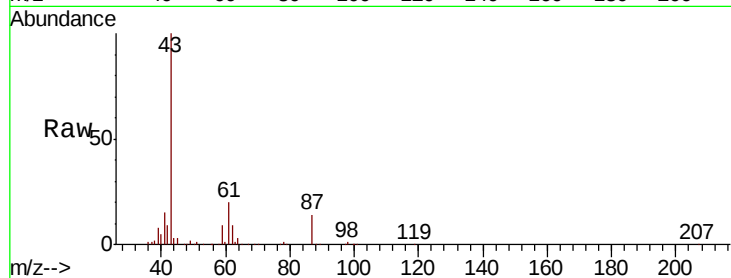




#43
Isopropyl Acetate
Concen: 54.593 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

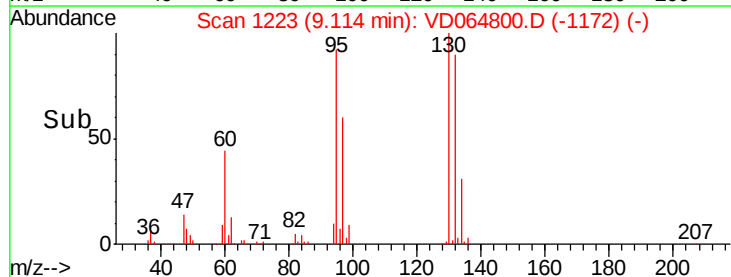
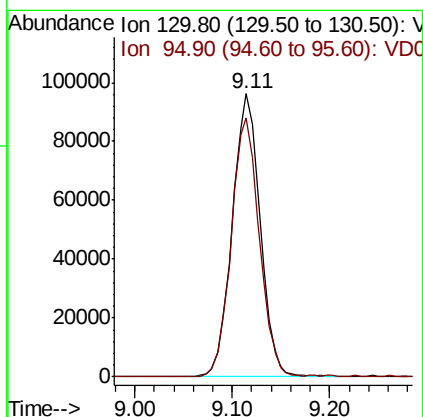
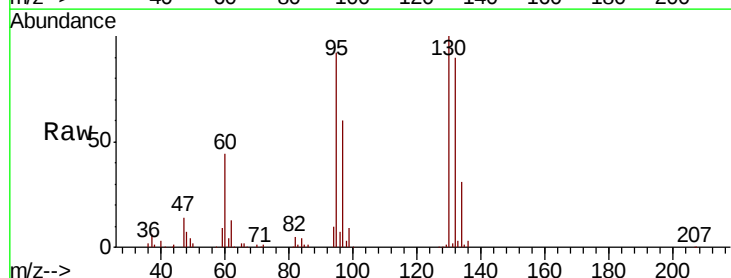
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 201813
Ion Ratio Lower Upper
43 100
61 29.0 23.7 35.5
87 12.7 10.5 15.7



#44
Trichloroethene
Concen: 50.201 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion:130 Resp: 190328
Ion Ratio Lower Upper
130 100
95 91.5 0.0 190.2





#45

1,2-Dichloropropane

Concen: 54.031 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

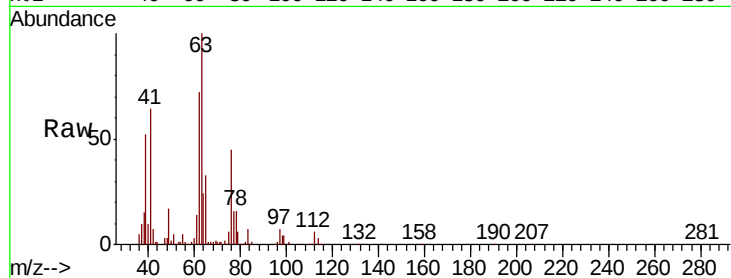
ClientSampleId :

Tot Ion: 63 Resp: 166491

Ion Ratio Lower Upper

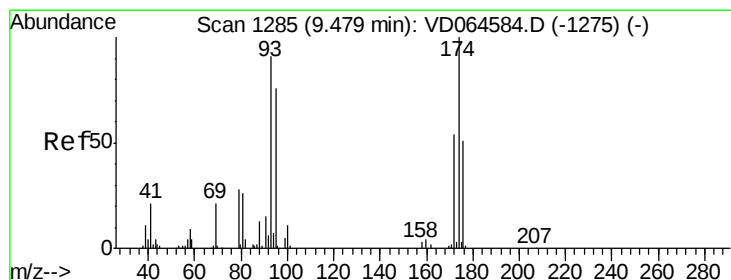
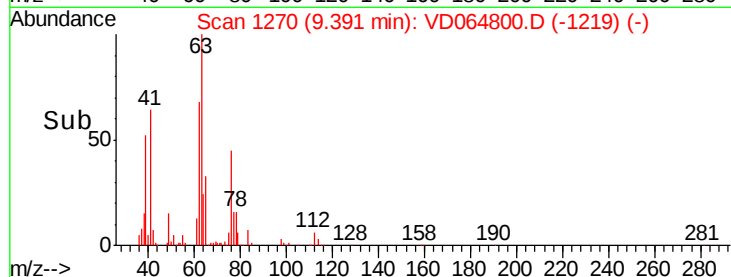
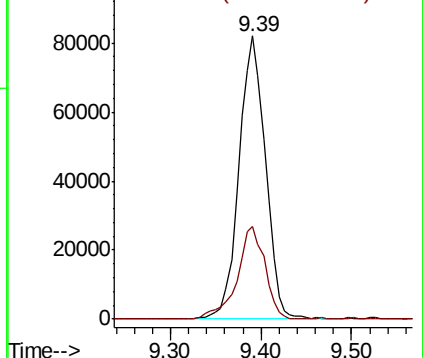
63 100

65 32.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 54.075 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

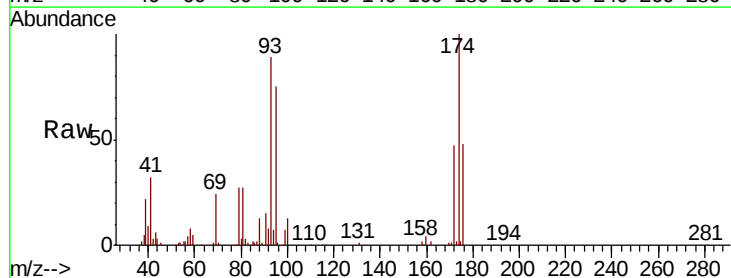
Tgt Ion: 93 Resp: 92901

Ion Ratio Lower Upper

93 100

95 82.6 64.6 97.0

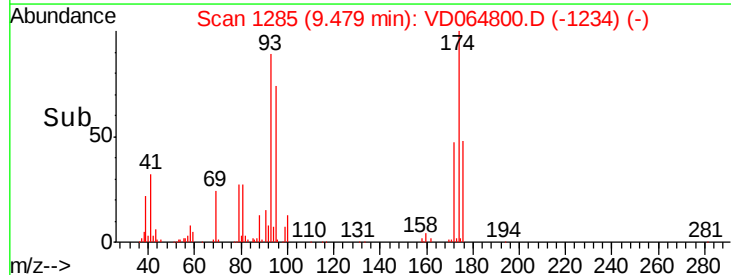
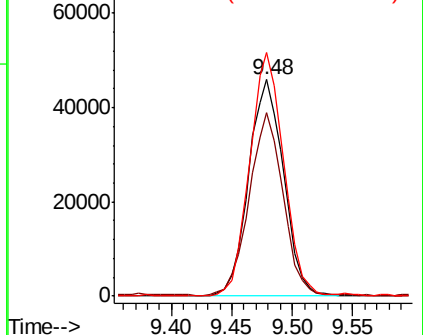
174 109.3 88.1 132.1

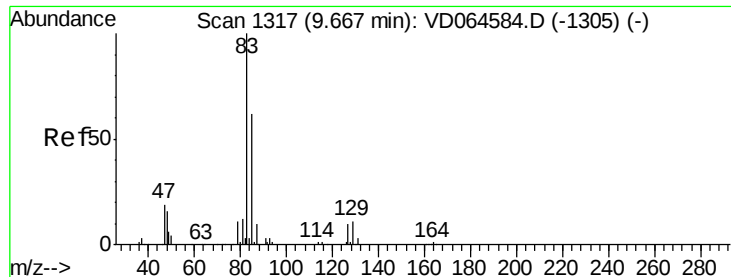


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.793 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

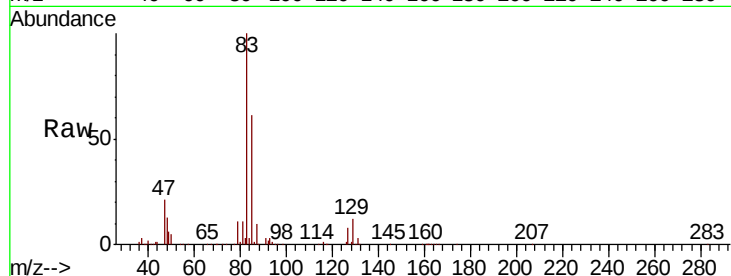
Tot Ion: 83 Resp: 250487

Ion Ratio Lower Upper

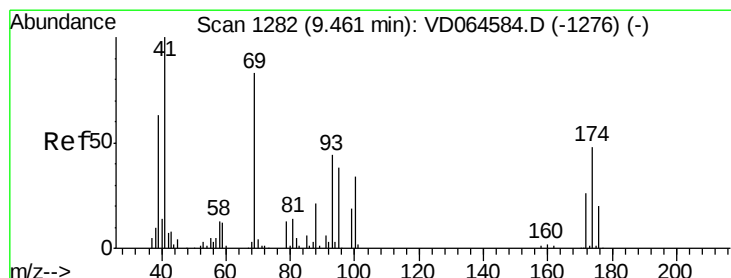
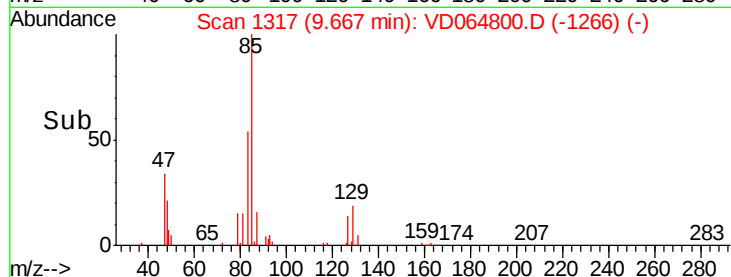
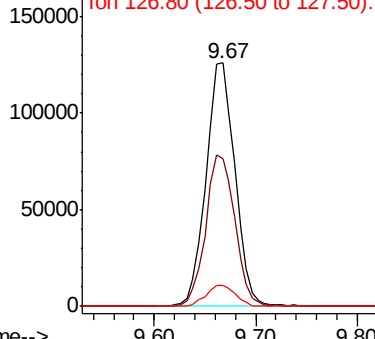
83 100

85 60.8 49.5 74.3

127 8.4 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: 54.585 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

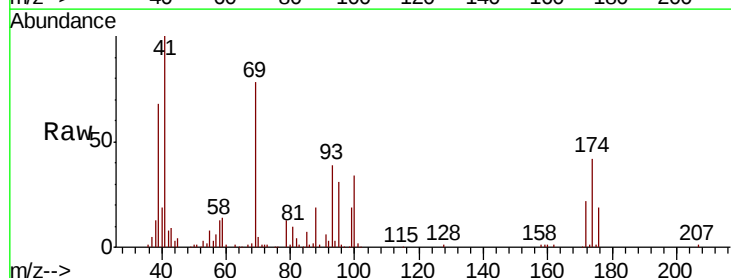
Tgt Ion: 41 Resp: 95011

Ion Ratio Lower Upper

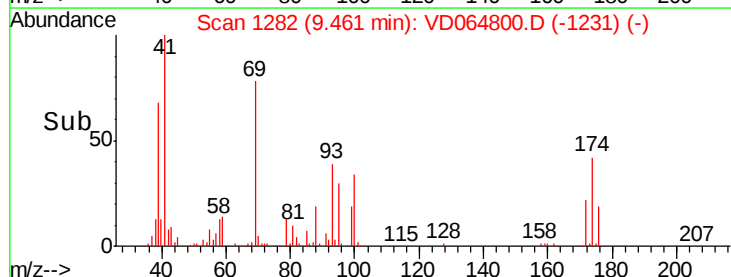
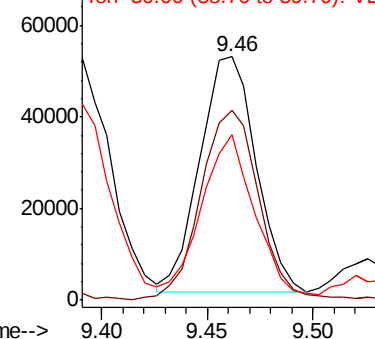
41 100

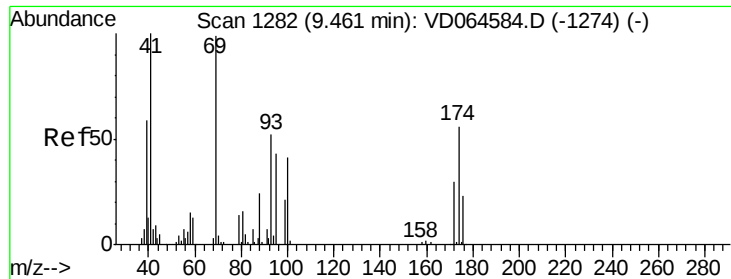
69 82.4 63.0 94.6

39 62.9 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: 1091.439 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :
MSVOA_D
ClientSampleId :

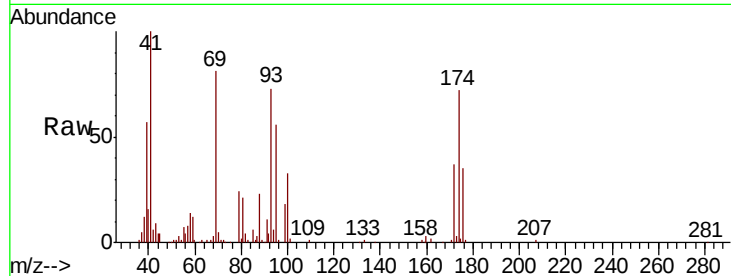
Tot Ion: 88 Resp: 21621

Ion Ratio Lower Upper

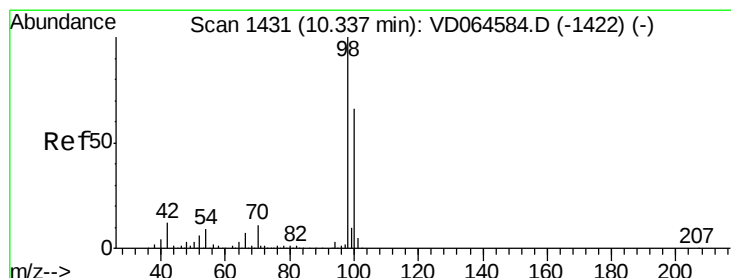
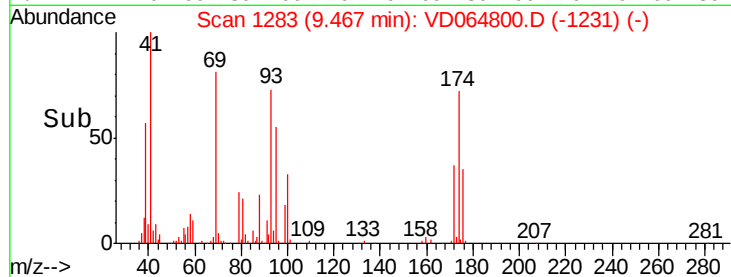
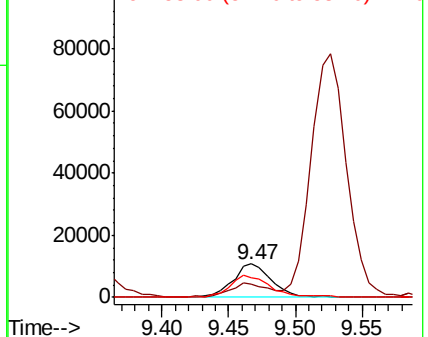
88 100

43 39.4 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: 49.208 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064800.D

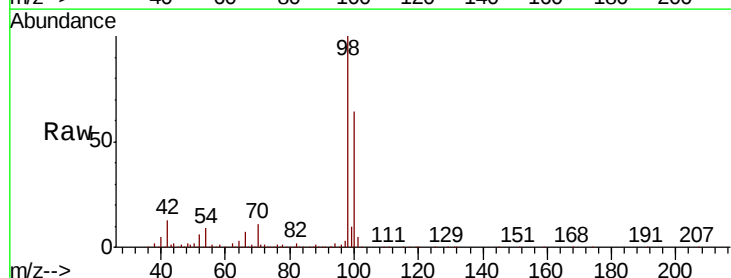
Acq: 07 Jan 2020 18:39

Tgt Ion: 98 Resp: 567921

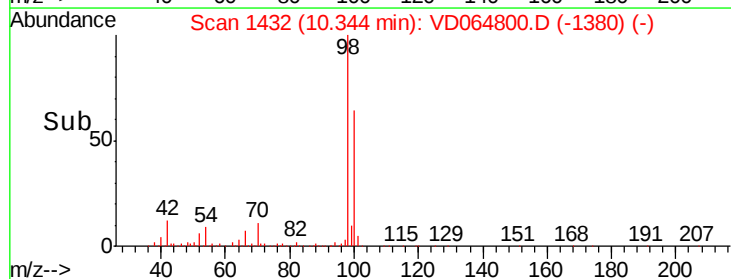
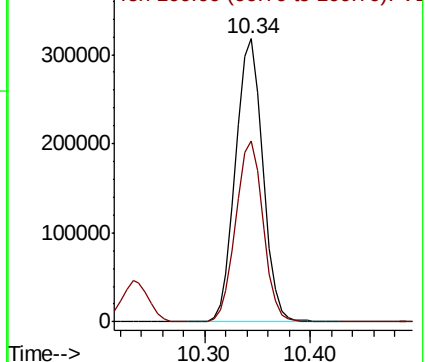
Ion Ratio Lower Upper

98 100

100 64.3 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: 282.483 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

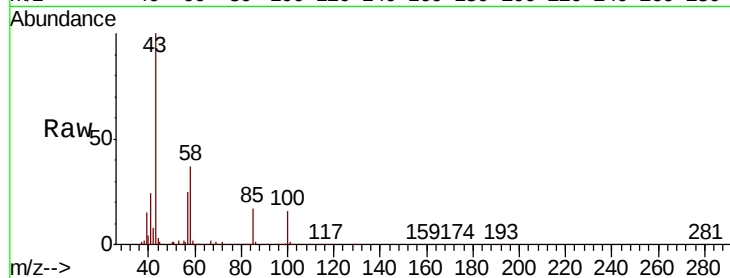
ClientSampleId :

Tot Ion: 43 Resp: 516147

Ion Ratio Lower Upper

43 100

58 37.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

300000

200000

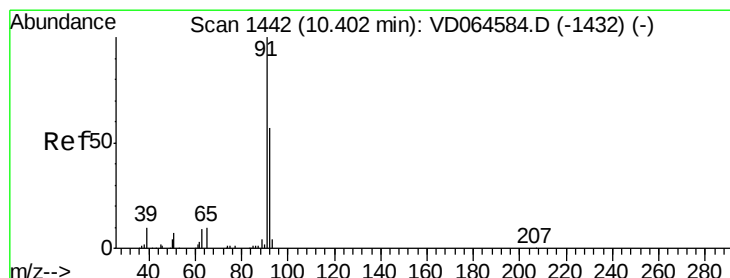
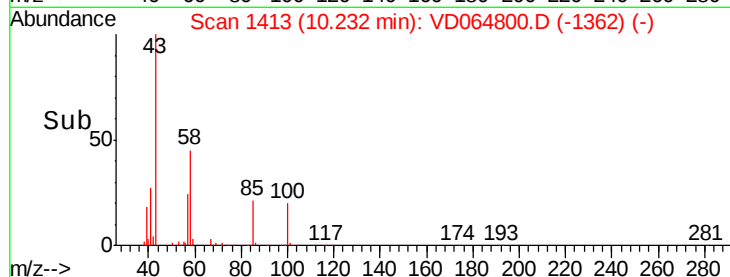
100000

0

Time-->

10.20

10.30



#52

Toluene

Concen: 51.483 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064800.D

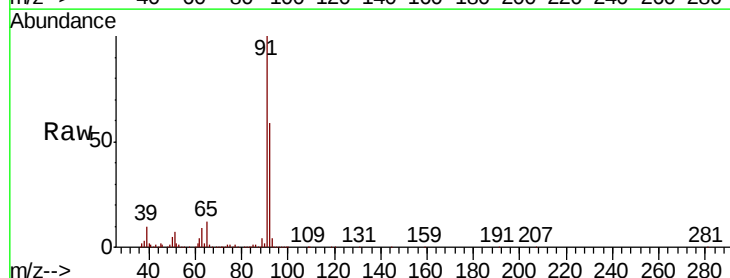
Acq: 07 Jan 2020 18:39

Tgt Ion: 92 Resp: 435916

Ion Ratio Lower Upper

92 100

91 172.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

200000

100000

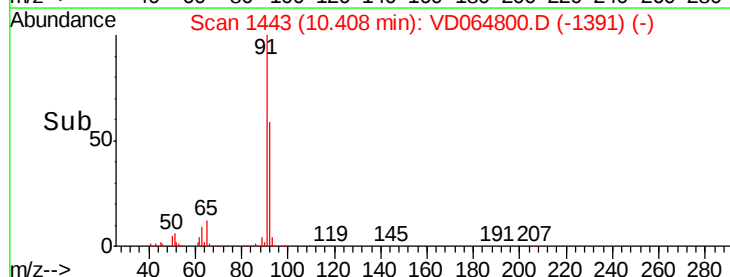
0

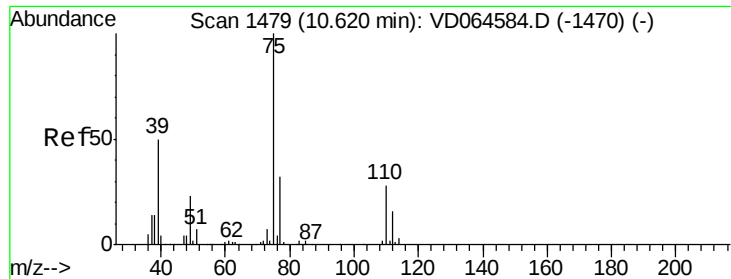
Time-->

10.30

10.40

10.50





#53

t-1,3-Dichloropropene

Concen: 55.413 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

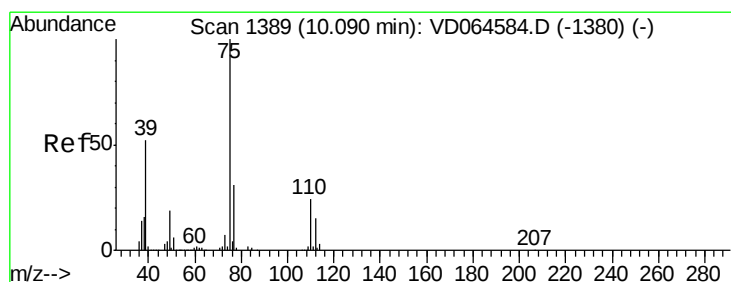
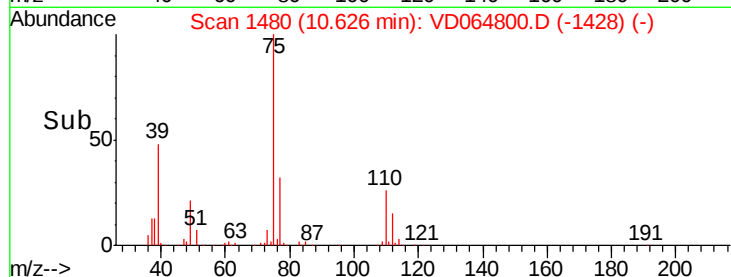
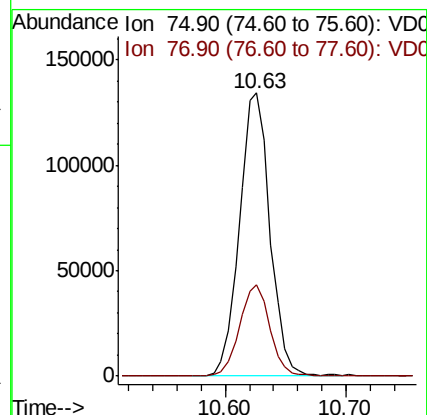
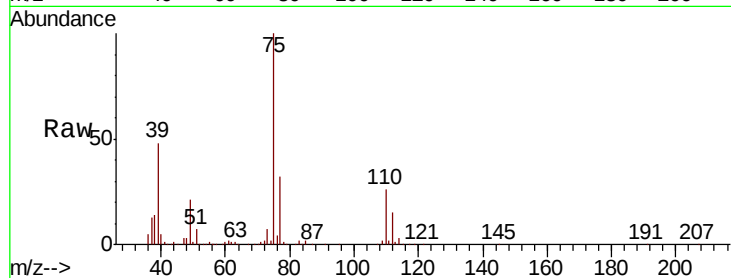
ClientSampled :

Tot Ion: 75 Resp: 236179

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 54.462 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

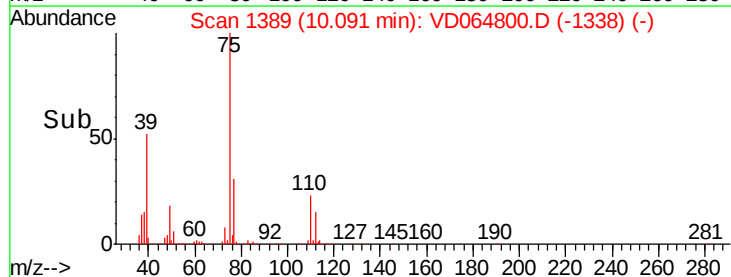
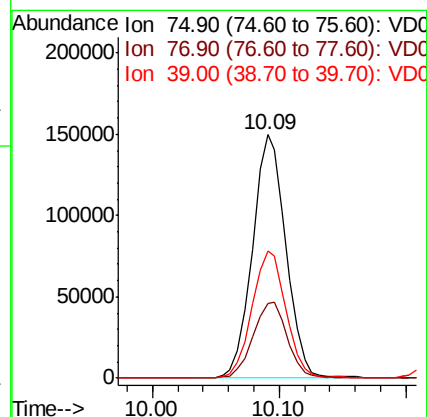
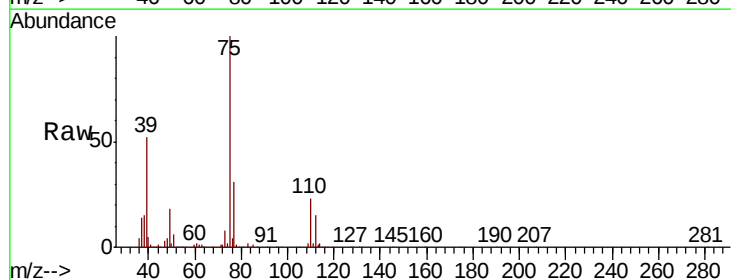
Tgt Ion: 75 Resp: 273704

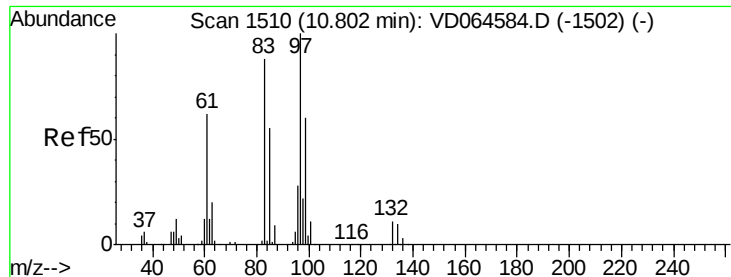
Ion Ratio Lower Upper

75 100

77 30.8 24.6 36.8

39 52.4 41.4 62.2

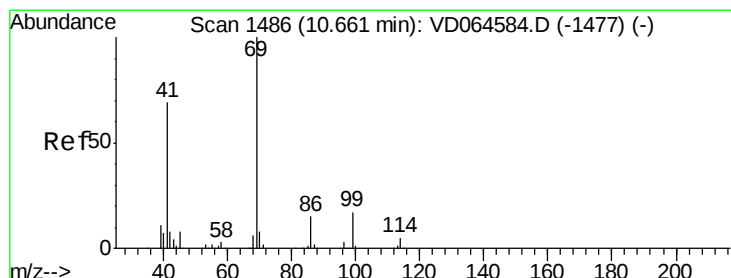
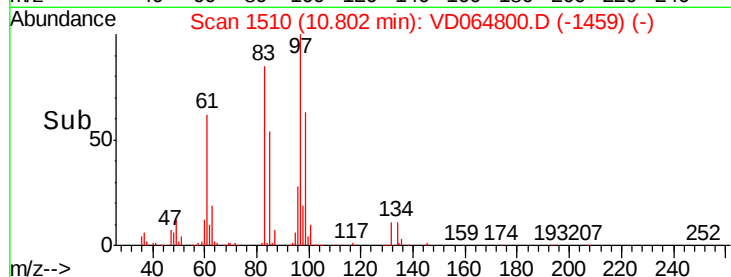
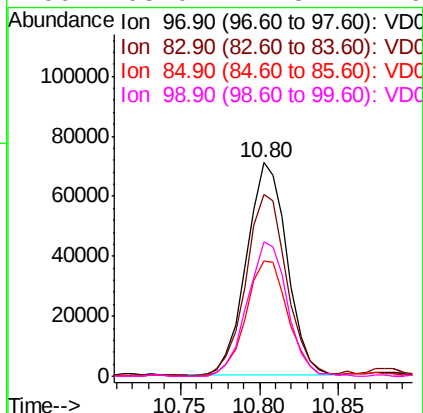
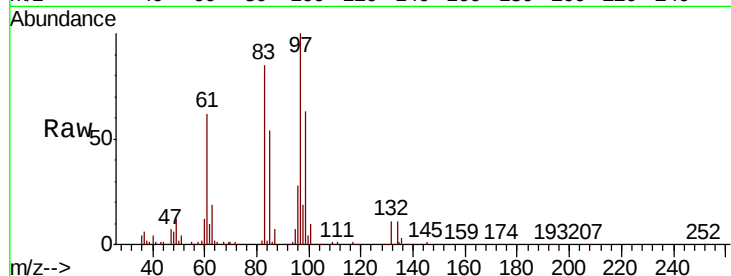




#55
 1,1,2-Trichloroethane
 Concen: 54.391 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

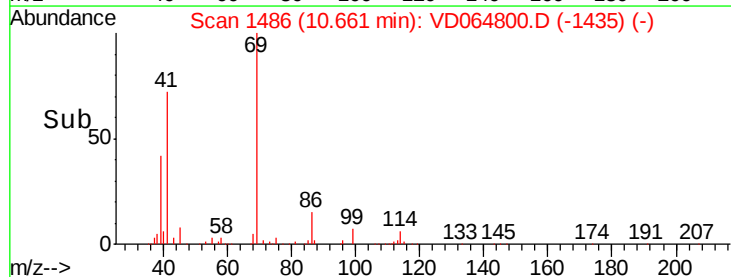
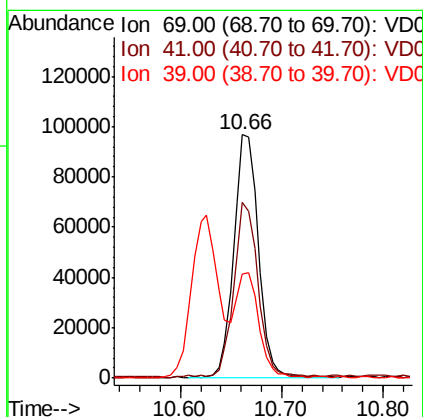
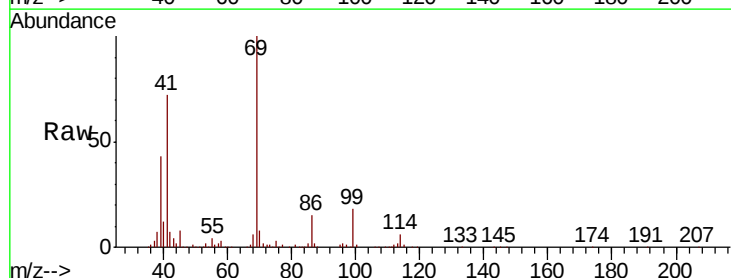
Instrument :
 MSVOA_D
 ClientSampled :

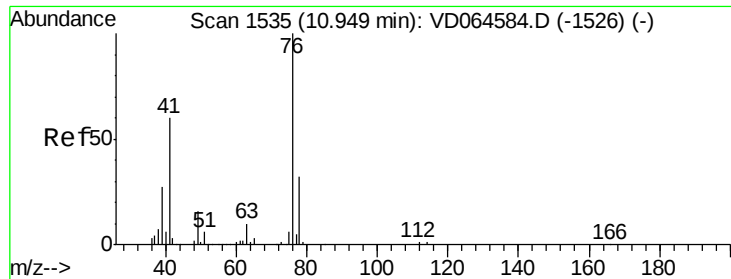
Tot Ion: 97 Resp: 125931
 Ion Ratio Lower Upper
 97 100
 83 85.1 70.2 105.4
 85 54.2 44.0 66.0
 99 63.0 47.8 71.6



#56
 Ethyl methacrylate
 Concen: 57.188 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion: 69 Resp: 165359
 Ion Ratio Lower Upper
 69 100
 41 68.1 55.3 82.9
 39 38.7 33.8 50.8

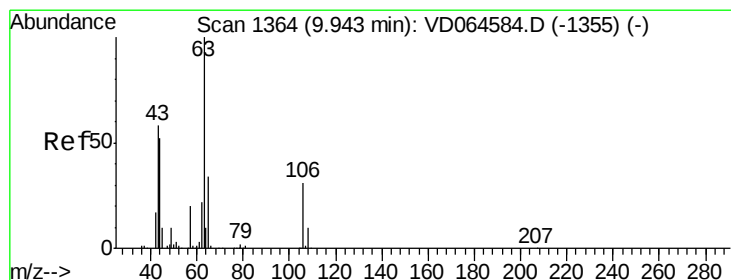
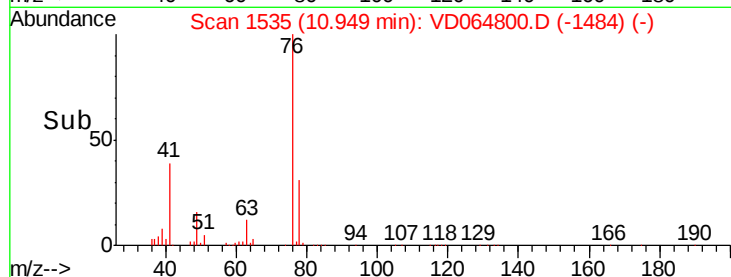
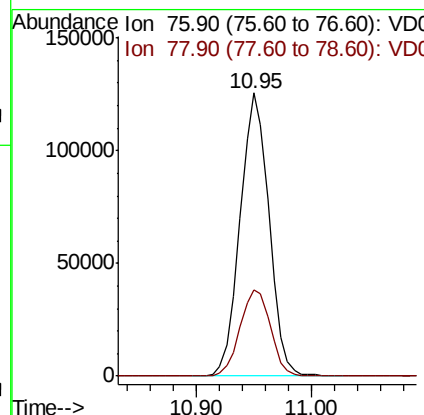
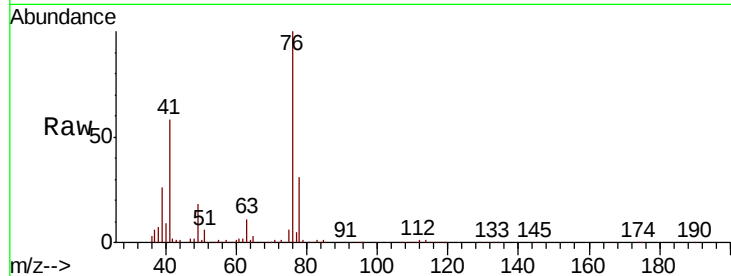




#57
 1,3-Dichloropropane
 Concen: 54.653 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

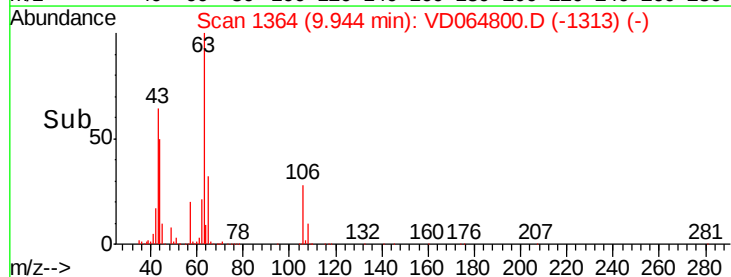
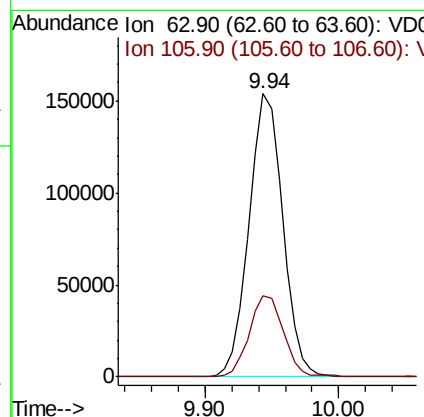
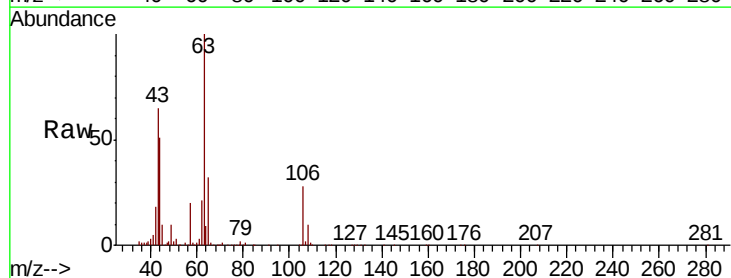
Instrument :
 MSVOA_D
 ClientSampleID :

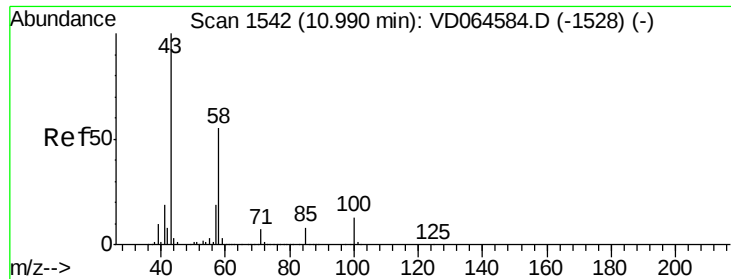
Tot Ion: 76 Resp: 217871
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.697 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion: 63 Resp: 269567
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.8

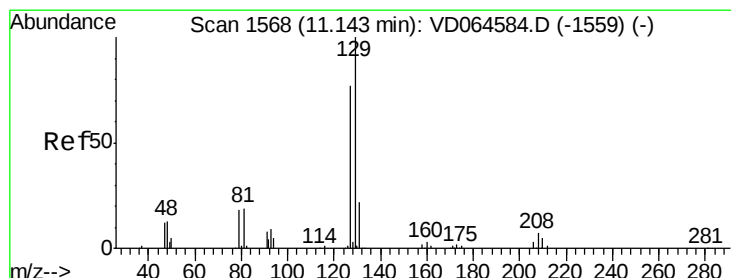
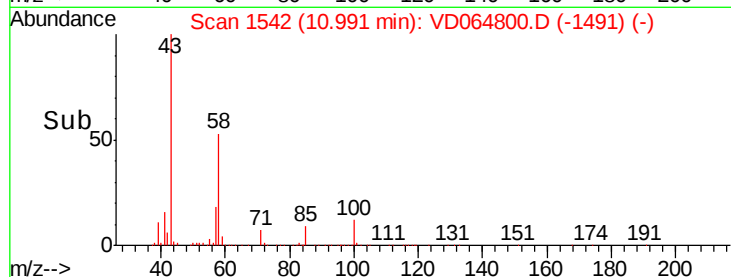
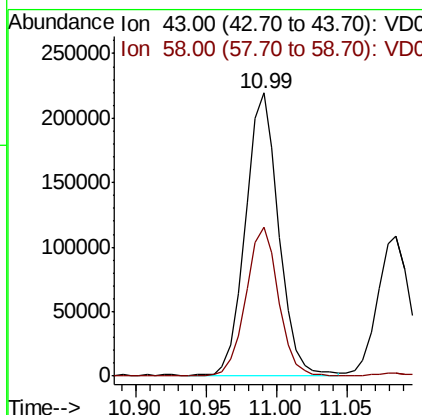
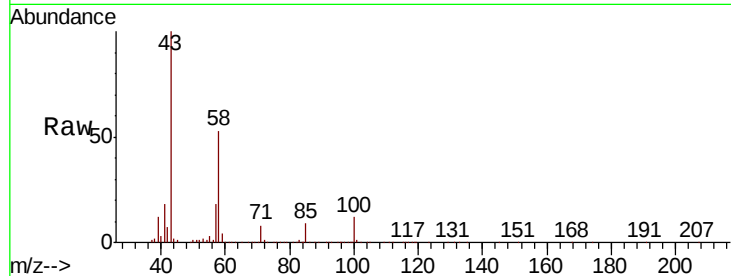




#59
2-Hexanone
Concen: 289.329 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

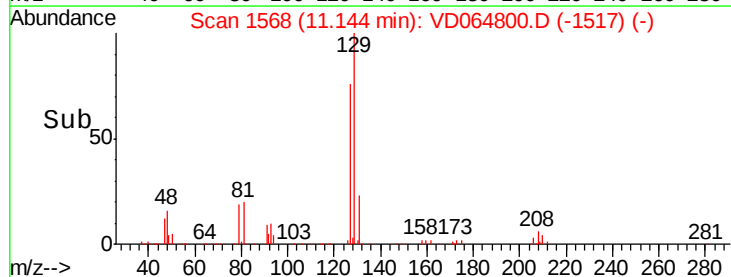
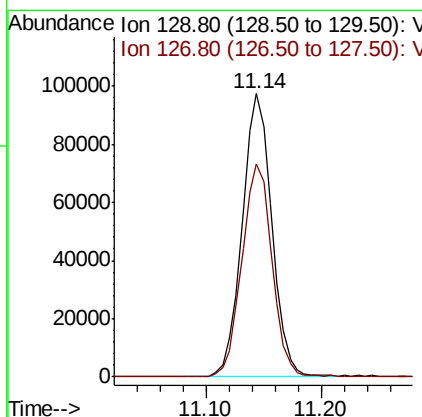
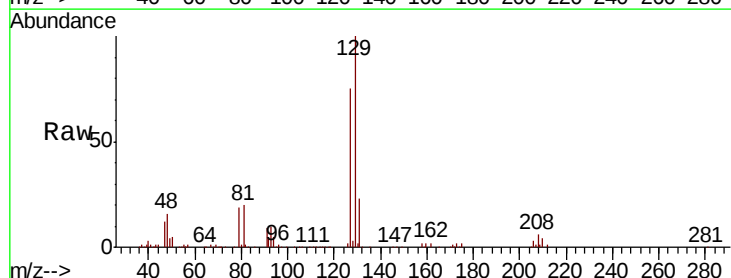
Instrument :
MSVOA_D
ClientSampleId :

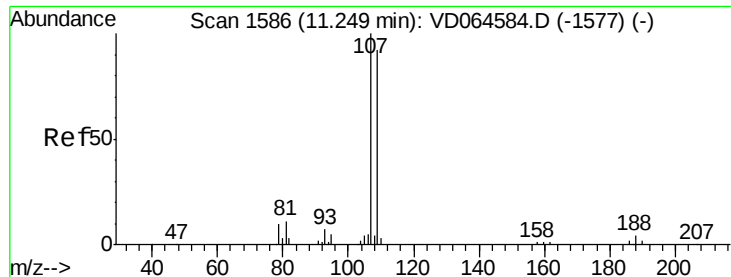
Tot Ion: 43 Resp: 358810
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0



#60
Dibromochloromethane
Concen: 54.205 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 129 Resp: 173549
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2

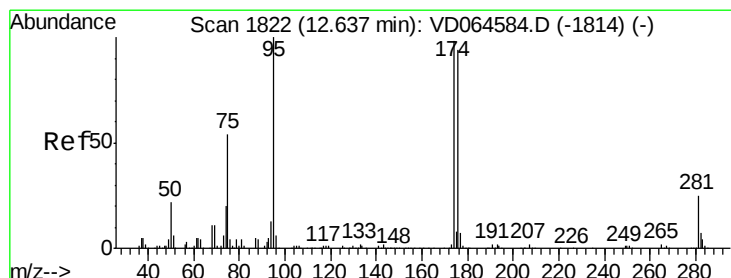
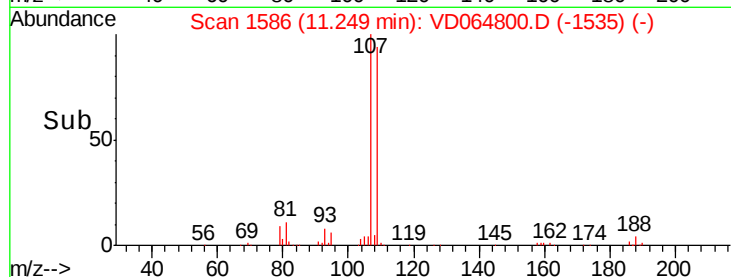
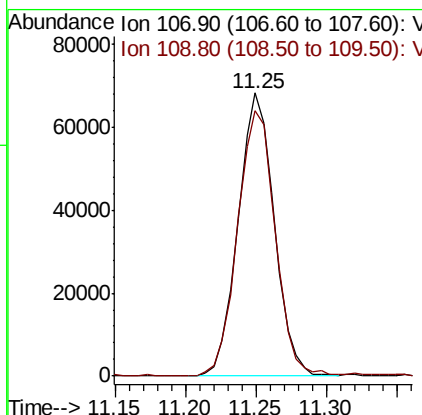
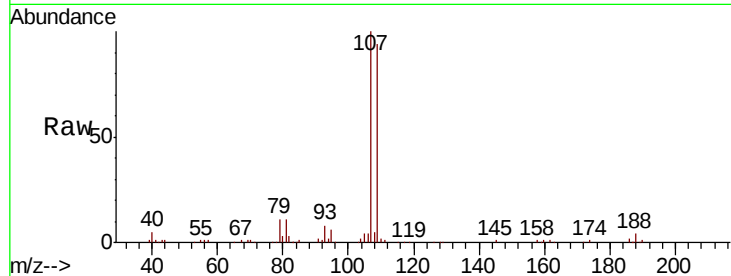




#61
 1,2-Dibromoethane
 Concen: 53.523 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

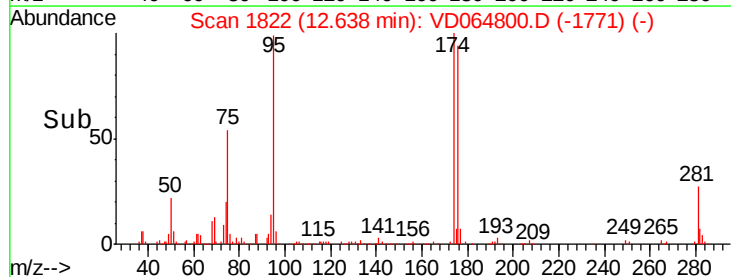
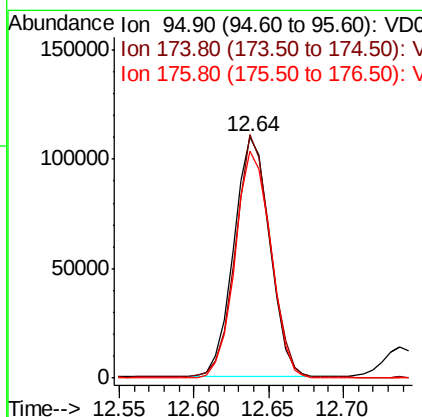
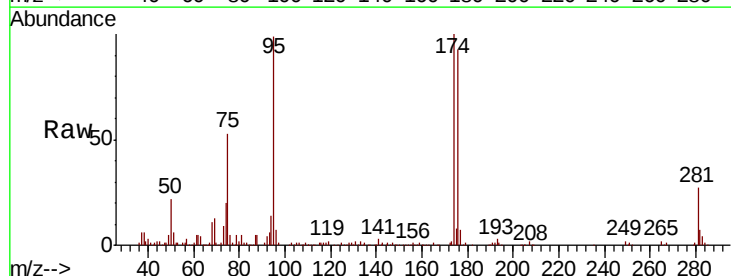
Instrument :
 MSVOA_D
 ClientSampleId :

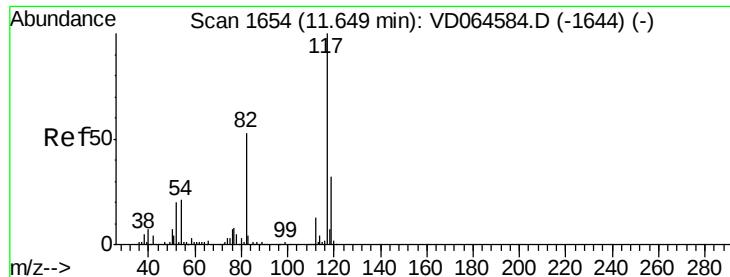
Tot Ion:107 Resp: 122226
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.375 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion: 95 Resp: 183840
 Ion Ratio Lower Upper
 95 100
 174 98.4 0.0 193.2
 176 93.9 0.0 184.2

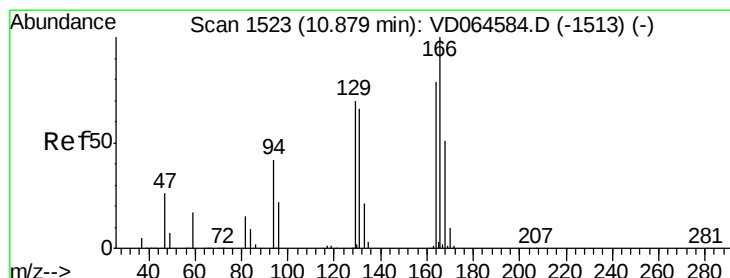
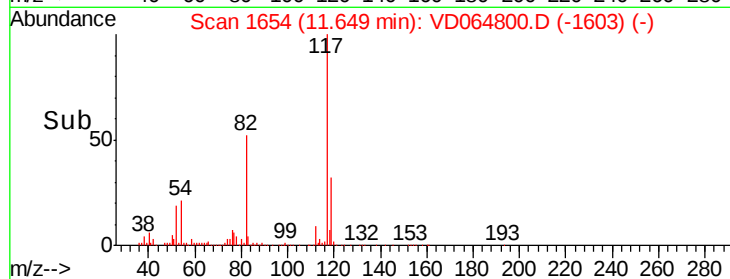
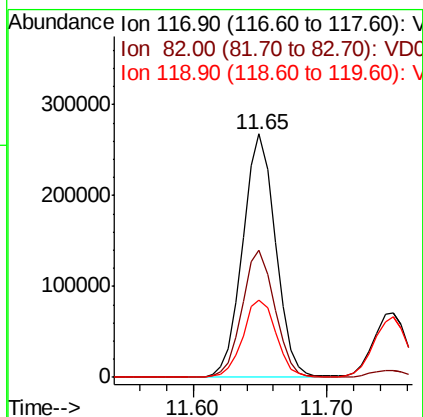
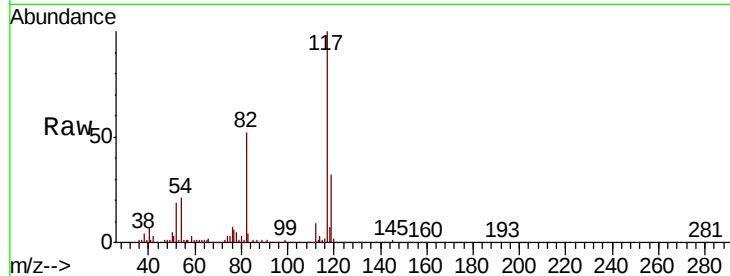




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

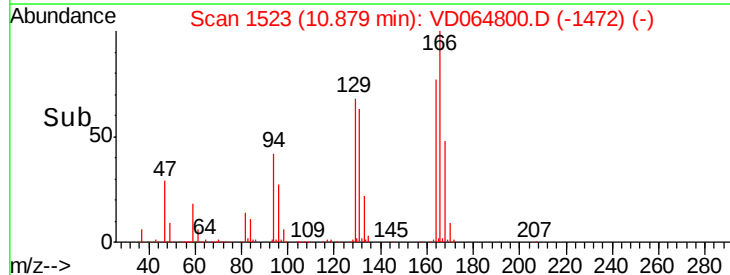
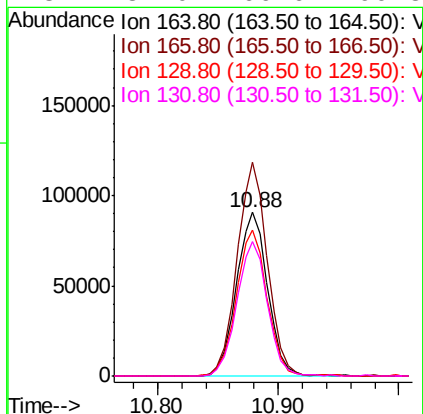
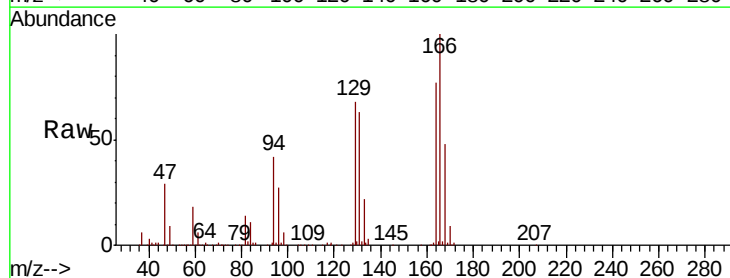
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 453824
Ion Ratio Lower Upper
117 100
82 52.3 42.2 63.4
119 31.8 26.0 39.0



#64
Tetrachloroethene
Concen: 46.680 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion:164 Resp: 162525
Ion Ratio Lower Upper
164 100
166 130.4 101.3 151.9
129 89.0 70.5 105.7
131 82.0 66.6 99.8





#65

Chlorobenzene

Concen: 50.780 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

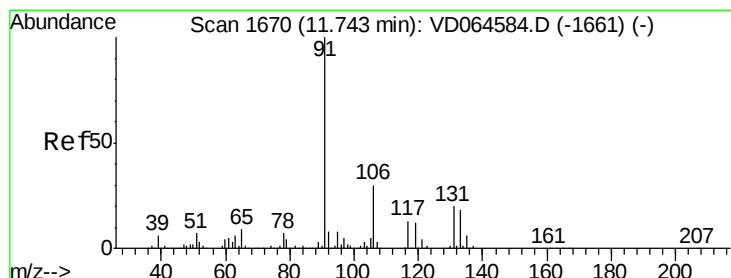
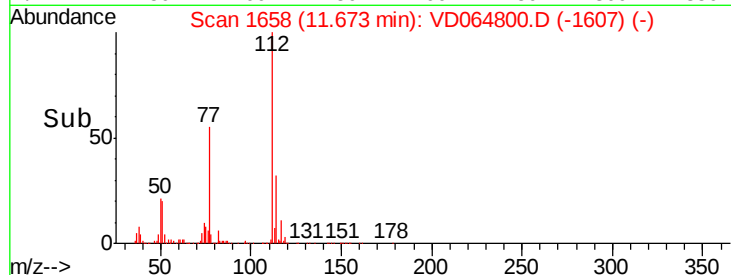
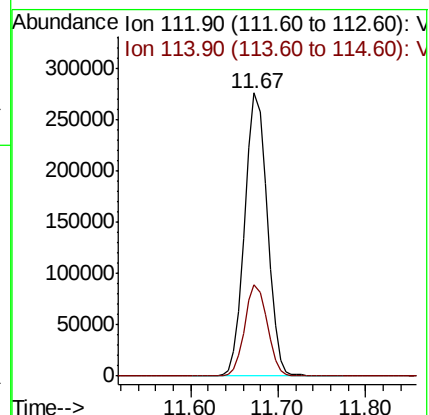
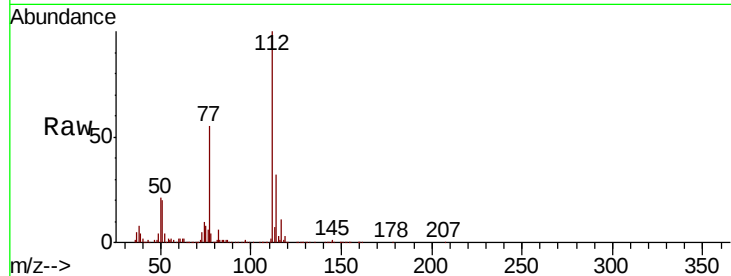
ClientSampleId :

Tot Ion:112 Resp: 478296

Ion Ratio Lower Upper

112 100

114 32.2 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 52.662 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

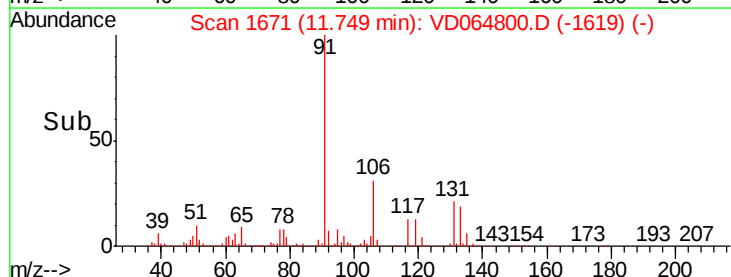
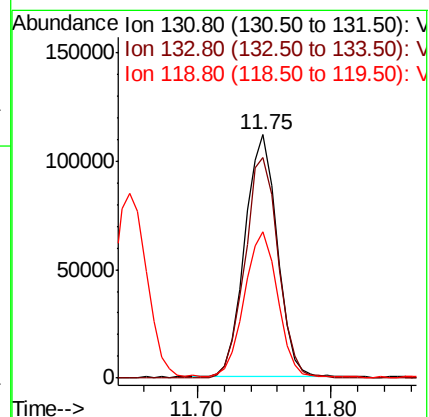
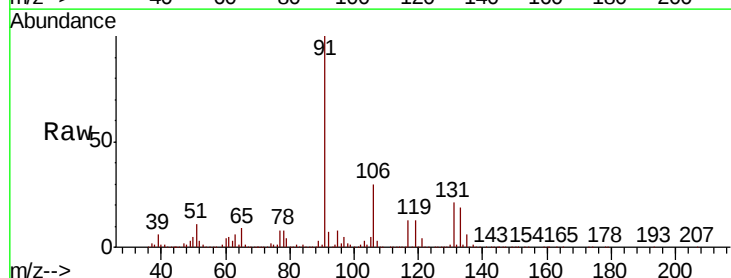
Tgt Ion:131 Resp: 186993

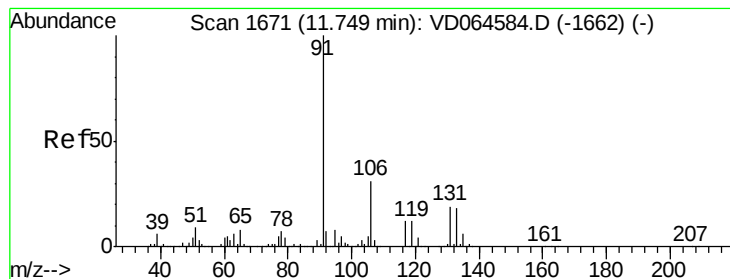
Ion Ratio Lower Upper

131 100

133 94.4 48.3 144.8

119 62.1 32.1 96.3





#67

Ethyl Benzene

Concen: 49.615 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

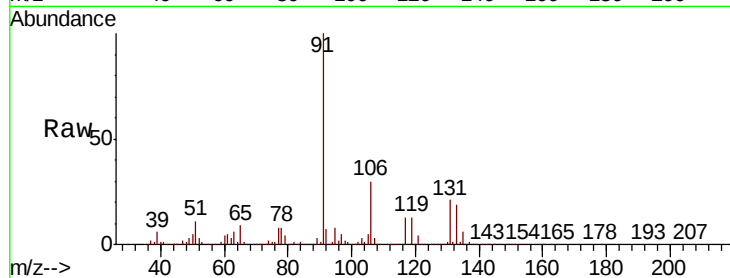
ClientSampleId :

Tot Ion: 91 Resp: 848233

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

800000

600000

400000

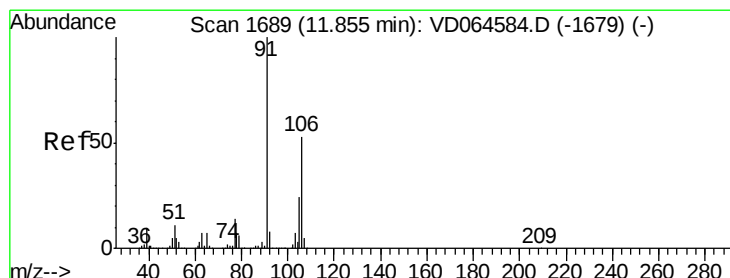
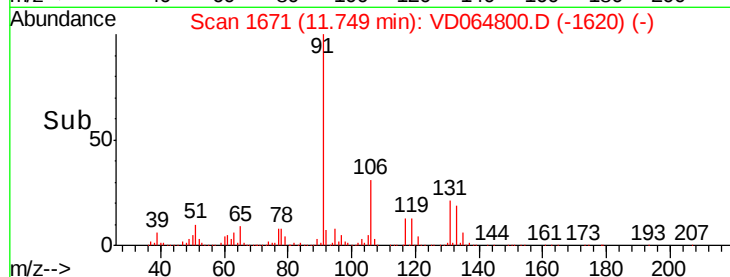
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 99.867 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064800.D

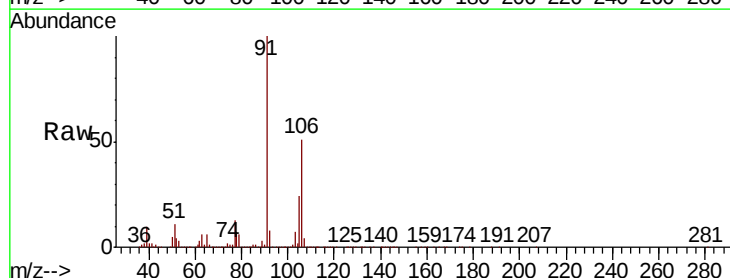
Acq: 07 Jan 2020 18:39

Tgt Ion: 106 Resp: 658997

Ion Ratio Lower Upper

106 100

91 196.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

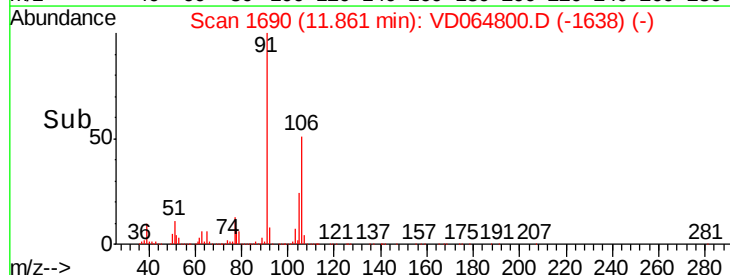
200000

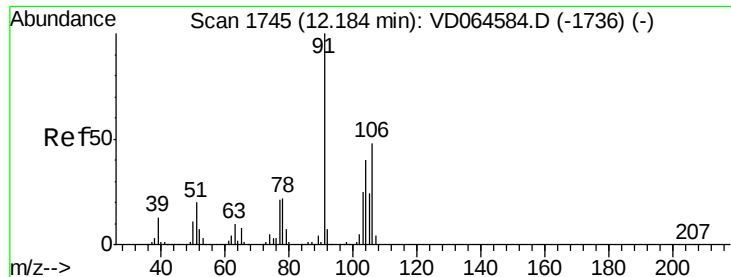
0

11.86

11.90

Time-->

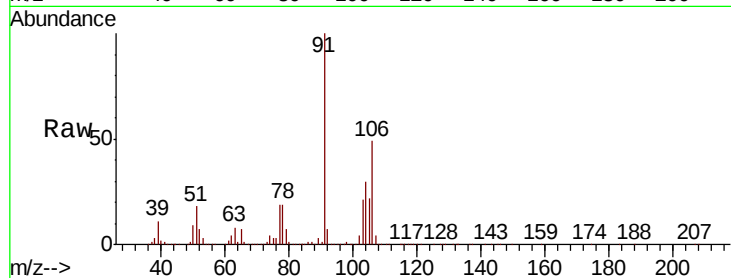




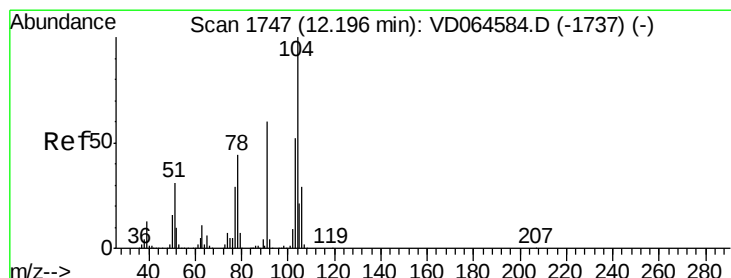
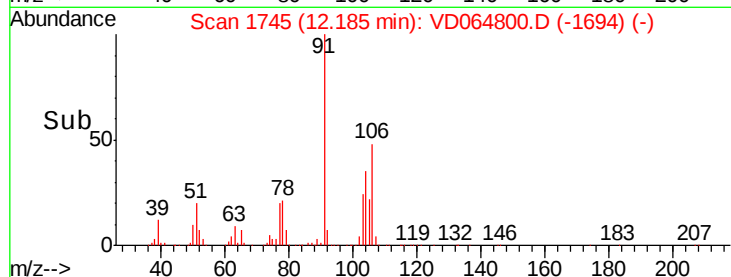
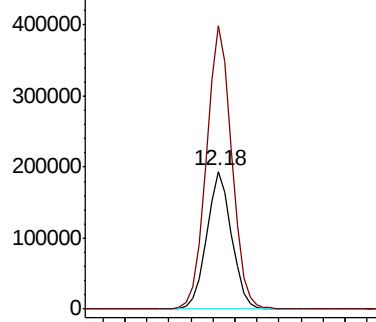
#69
o-Xylene
Concen: 51.371 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 306188
Ion Ratio Lower Upper
106 100
91 208.7 104.8 314.4

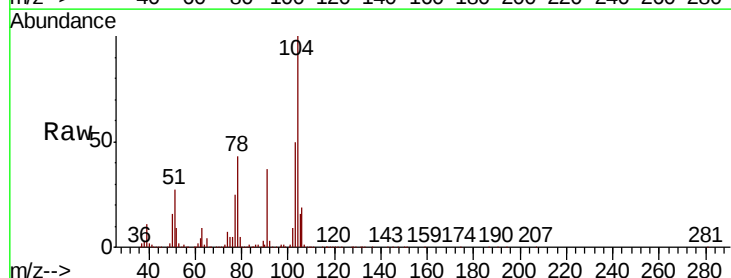


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

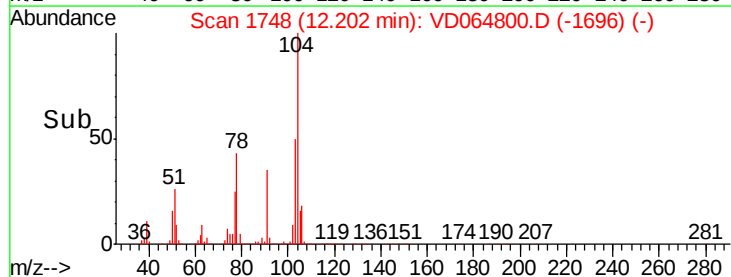
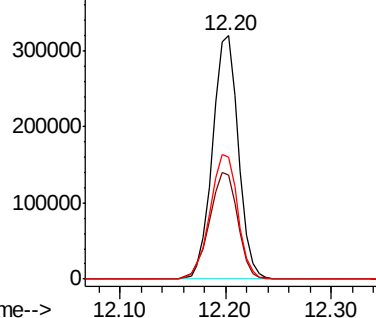


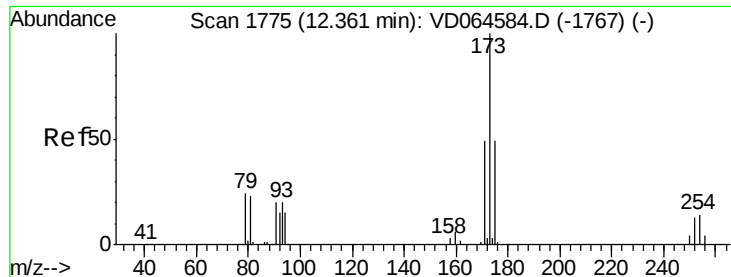
#70
Styrene
Concen: 51.839 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion:104 Resp: 542345
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.0 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.082 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

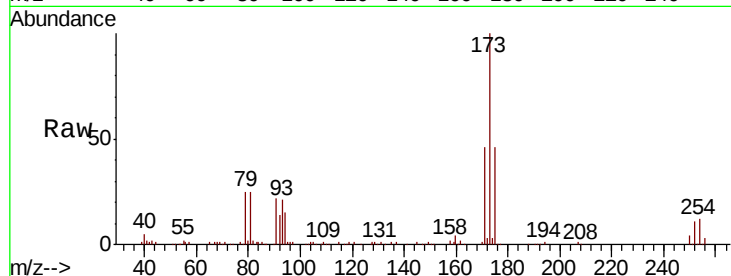
Tot Ion:173 Resp: 109513

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

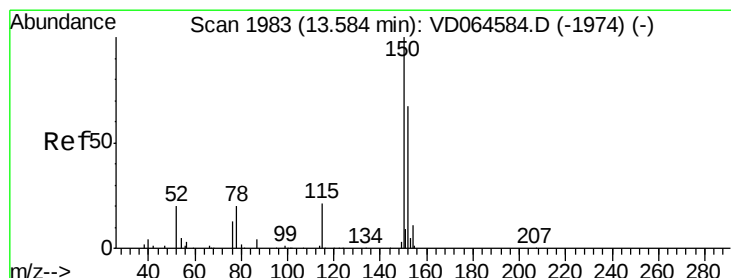
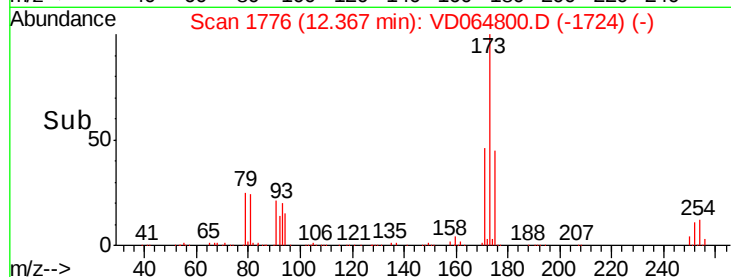
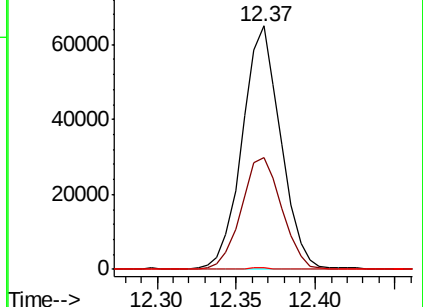
254 0.2 0.1 0.1#



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: VD064800.D

Acq: 07 Jan 2020 18:39

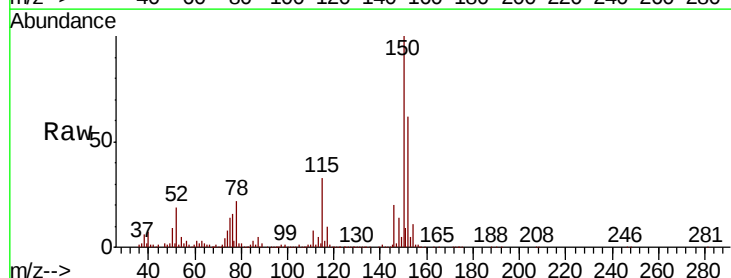
Tgt Ion:152 Resp: 227501

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

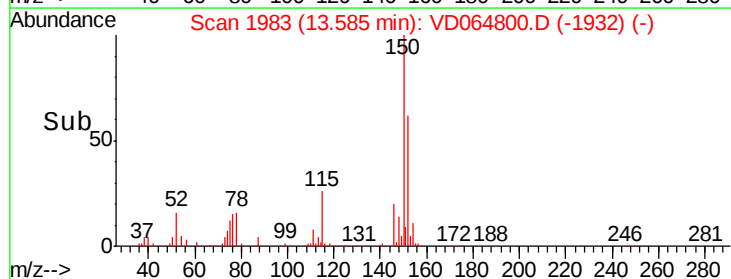
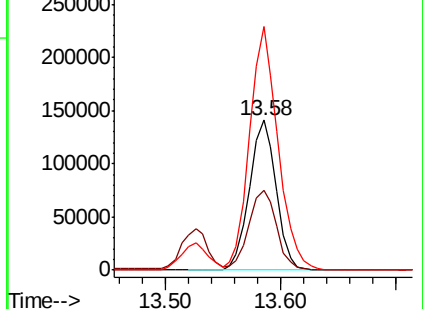
150 172.4 0.0 351.4

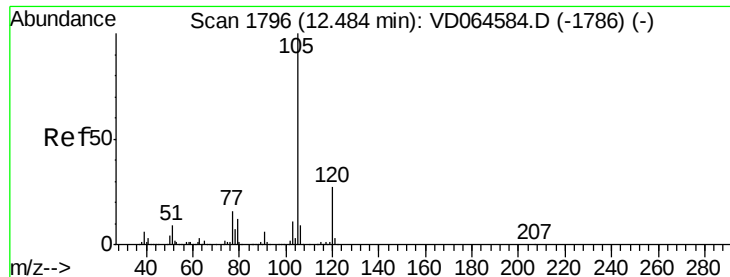


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.756 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

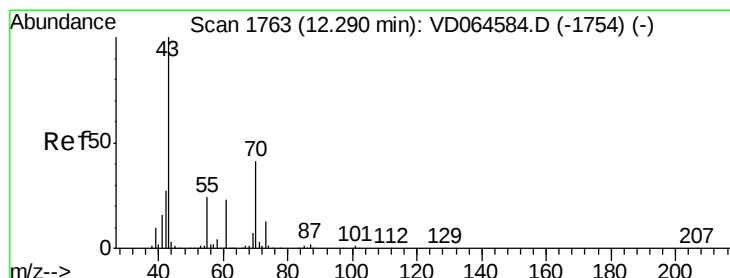
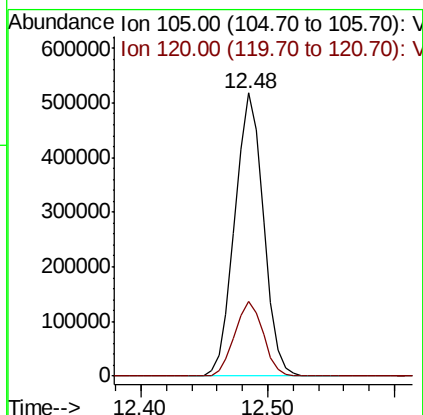
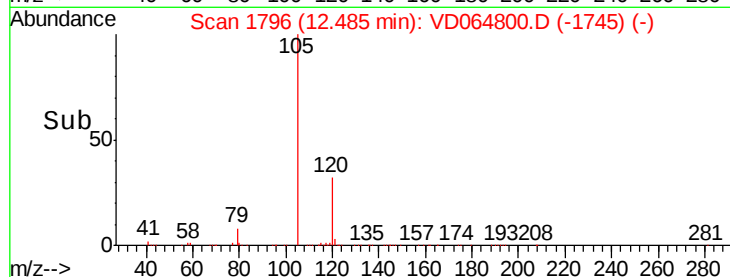
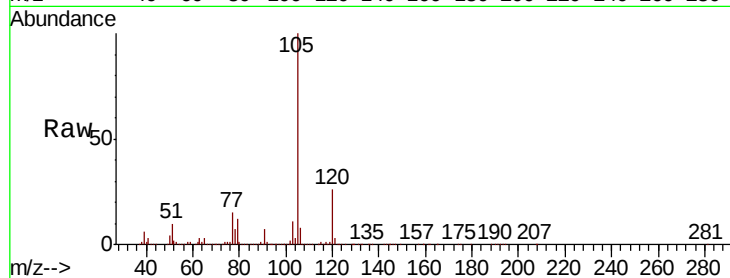
ClientSampleId :

Tot Ion: 105 Resp: 808913

Ion Ratio Lower Upper

105 100

120 26.4 13.5 40.5



#74

N-ethyl acetate

Concen: 54.557 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Tgt Ion: 43 Resp: 189604

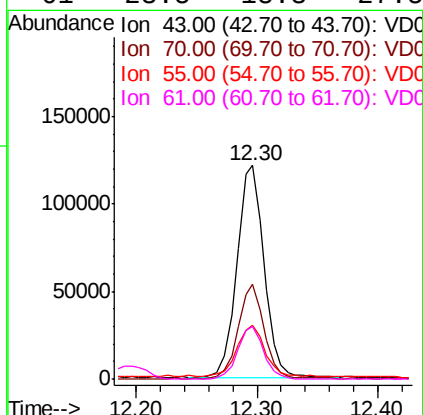
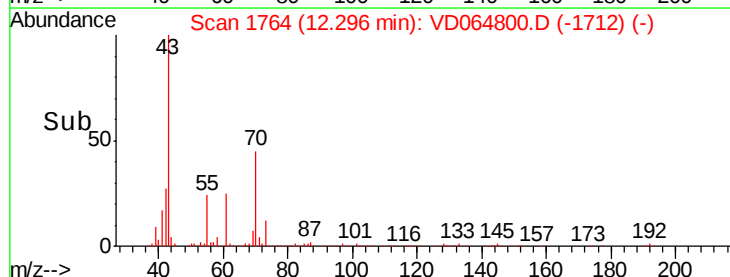
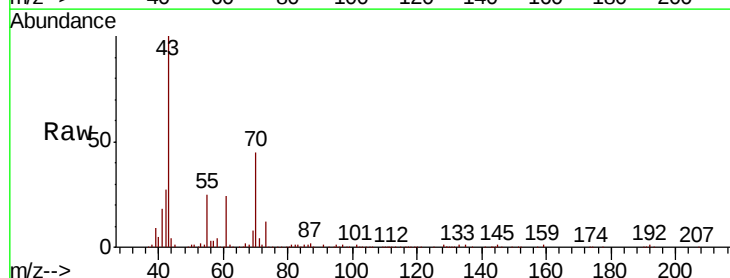
Ion Ratio Lower Upper

43 100

70 42.7 33.4 50.0

55 25.1 19.4 29.0

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.514 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

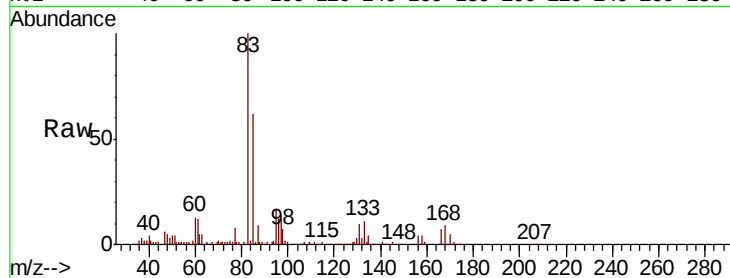
Tot Ion: 83 Resp: 134118

Ion Ratio Lower Upper

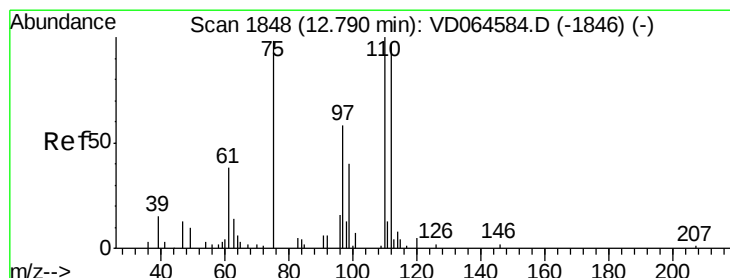
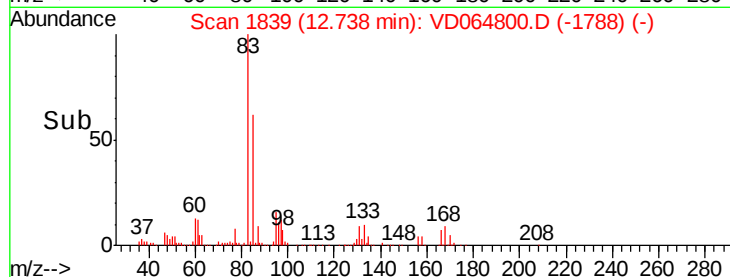
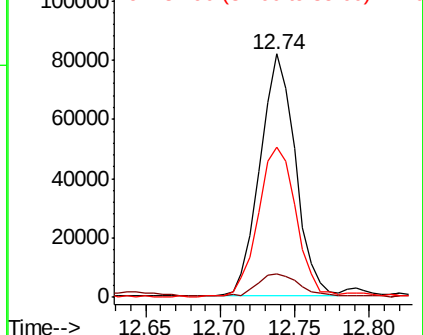
83 100

131 11.1 5.8 17.4

85 66.2 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: 100.560 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064800.D

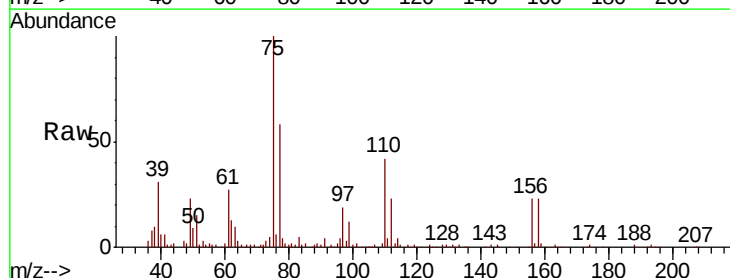
Acq: 07 Jan 2020 18:39

Tgt Ion: 75 Resp: 180655

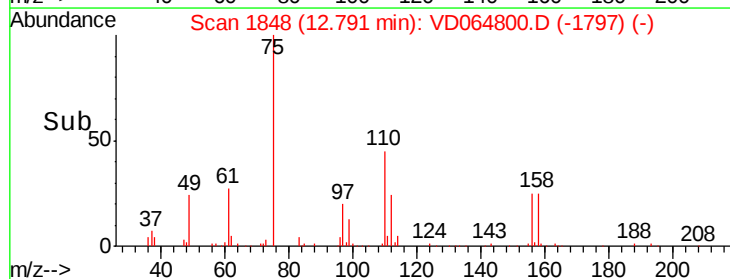
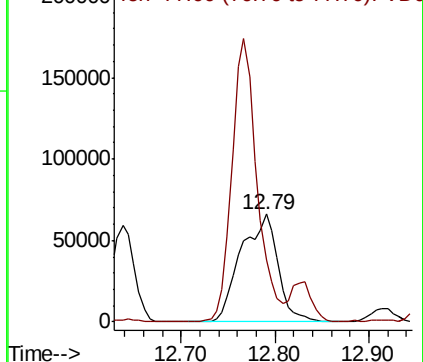
Ion Ratio Lower Upper

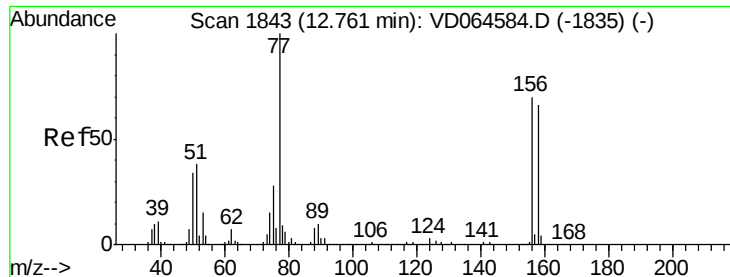
75 100

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: 51.048 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampleId :

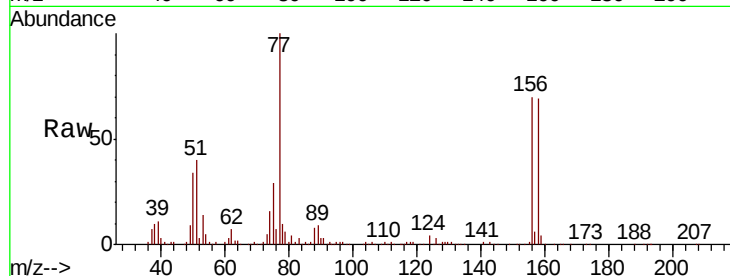
Tot Ion:156 Resp: 203924

Ion Ratio Lower Upper

156 100

77 158.3 80.9 242.7

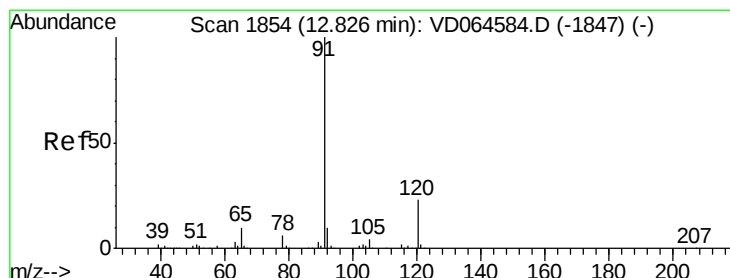
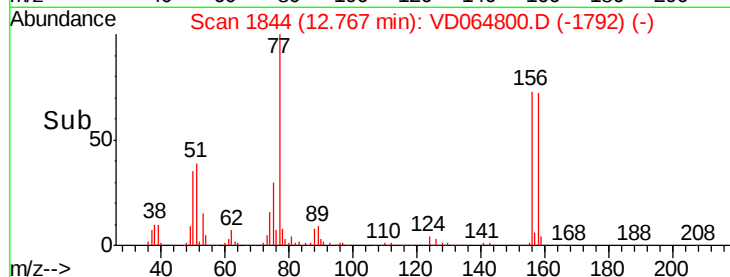
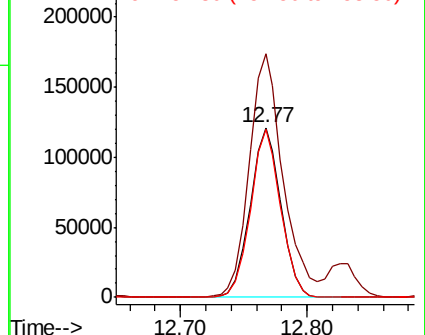
158 96.6 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.442 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064800.D

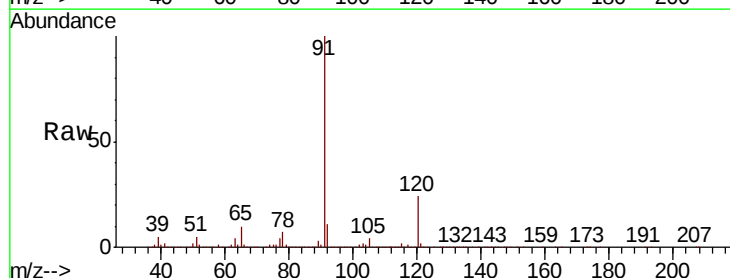
Acq: 07 Jan 2020 18:39

Tgt Ion: 91 Resp: 937753

Ion Ratio Lower Upper

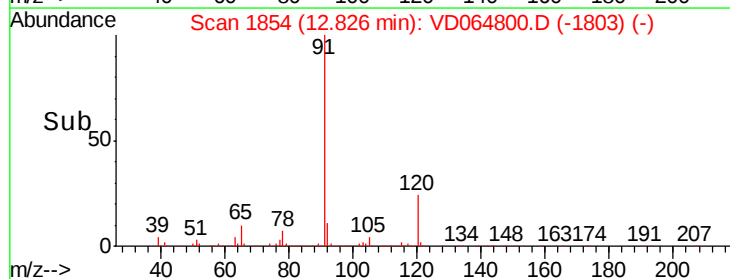
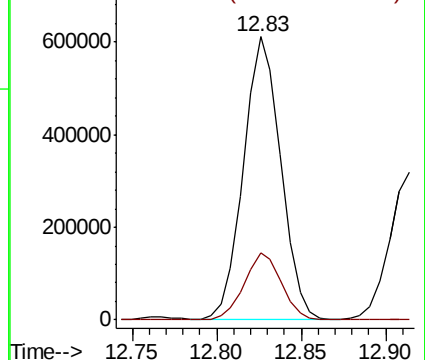
91 100

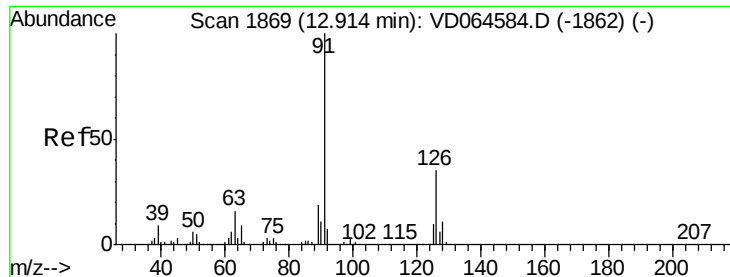
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.825 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

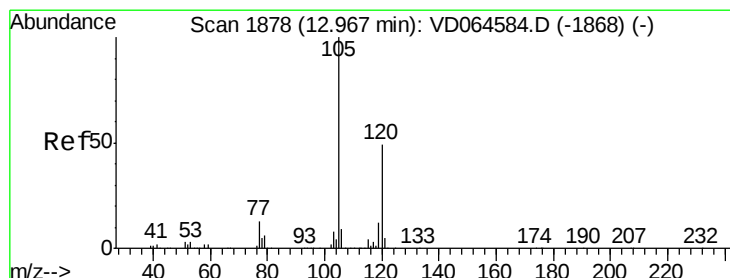
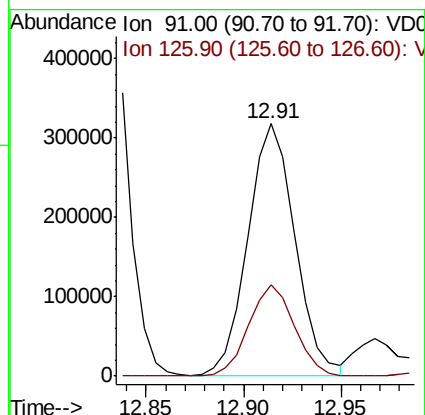
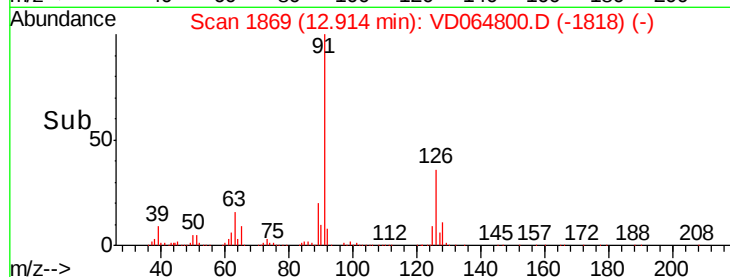
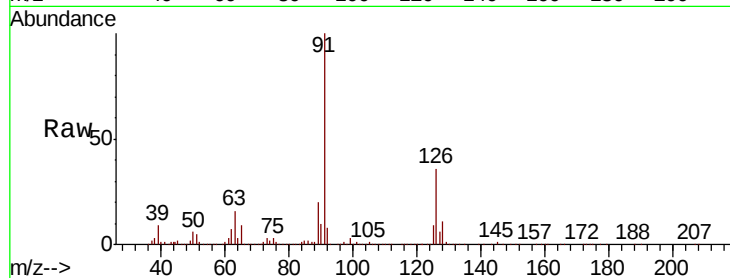
ClientSampled :

Tot Ion: 91 Resp: 529558

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 50.232 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064800.D

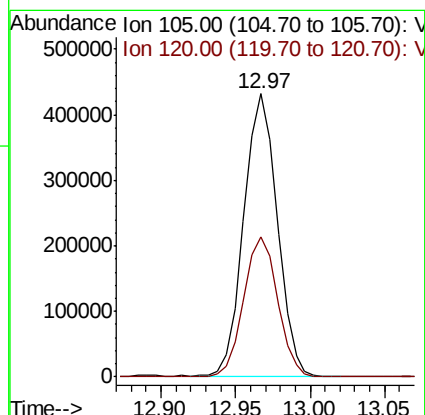
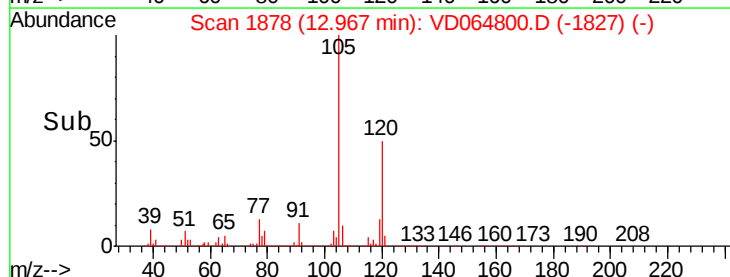
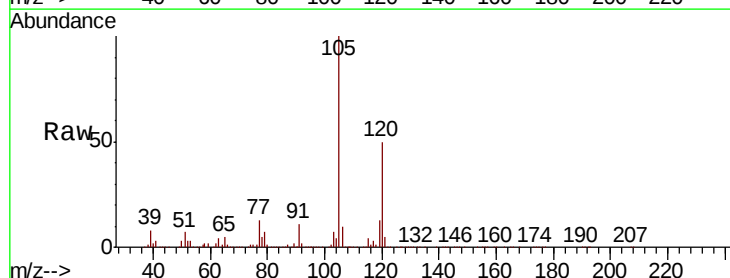
Acq: 07 Jan 2020 18:39

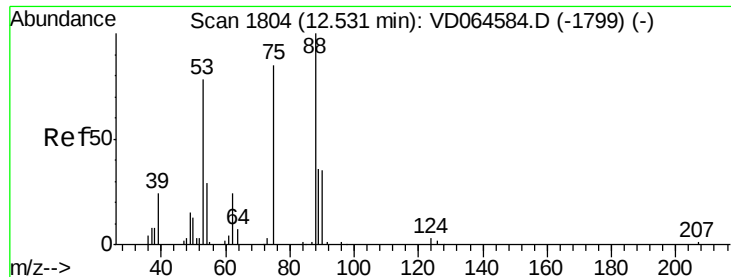
Tgt Ion:105 Resp: 670844

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0

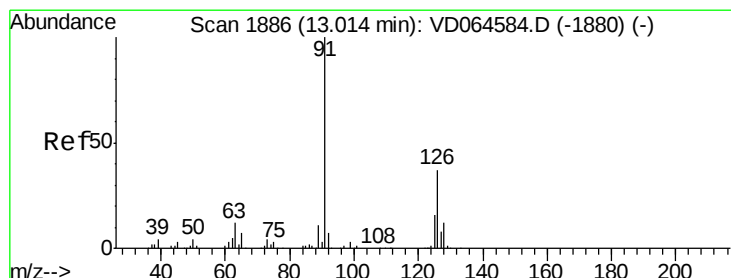
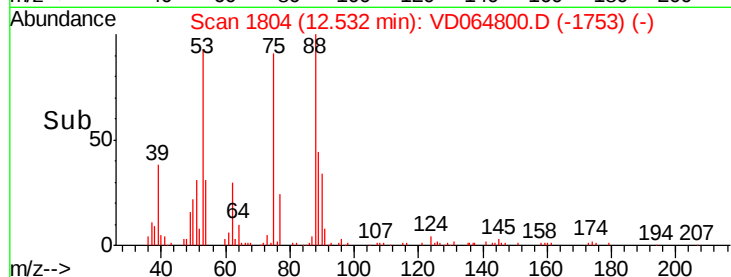
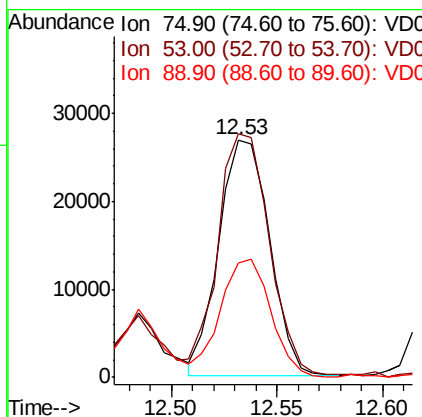
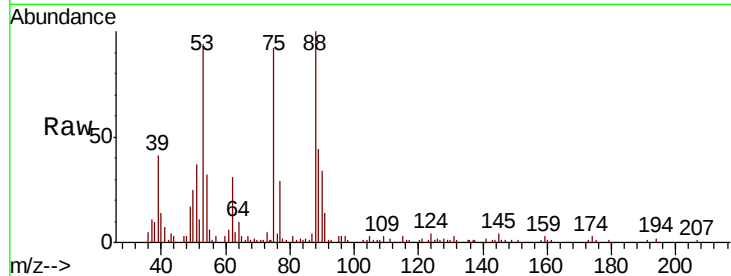




#81
trans-1,4-Dichloro-2-butene
Concen: 51.827 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

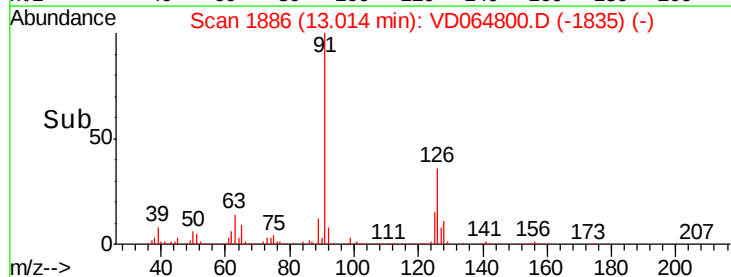
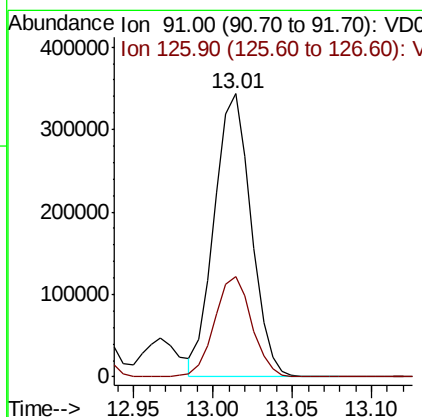
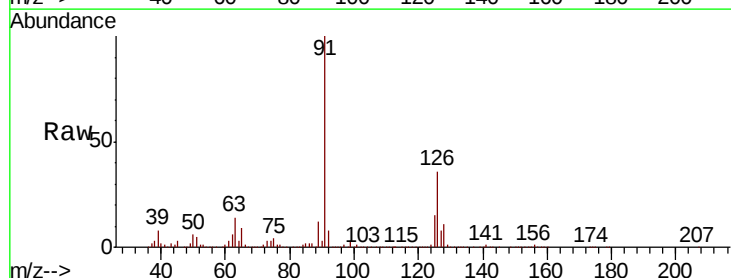
Instrument :
MSVOA_D
ClientSampled :

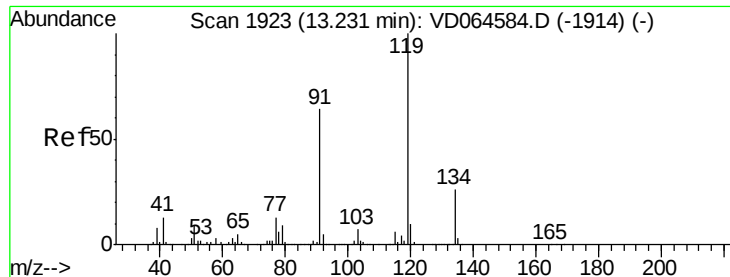
Tot Ion: 75 Resp: 44517
Ion Ratio Lower Upper
75 100
53 104.5 78.8 118.2
89 50.2 38.3 57.5



#82
4-Chlorotoluene
Concen: 49.846 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion: 91 Resp: 552697
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.5

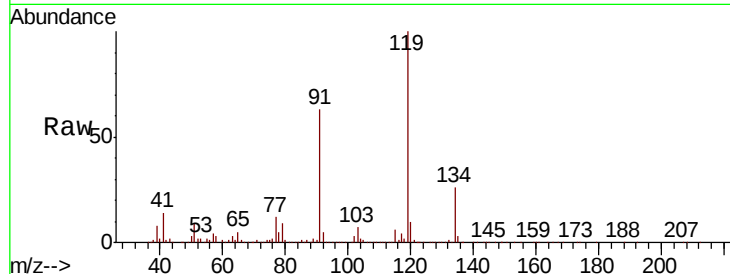




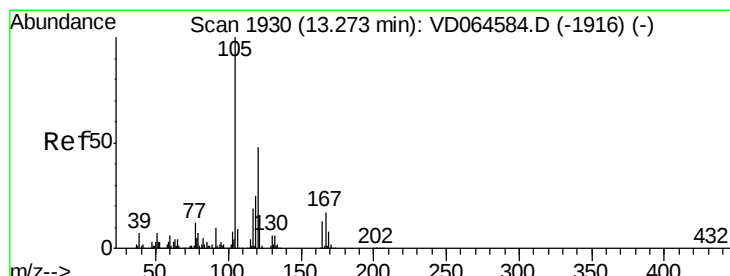
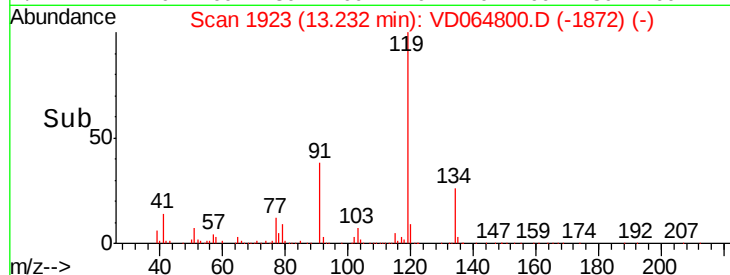
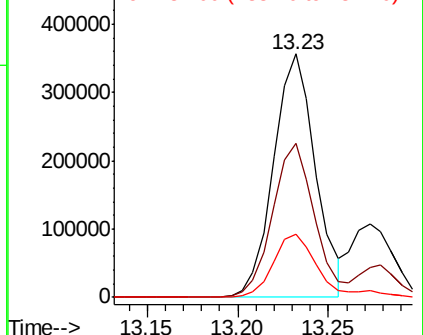
#83
 tert-Butylbenzene
 Concen: 49.476 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:119 Resp: 573694
 Ion Ratio Lower Upper
 119 100
 91 63.7 30.8 92.4
 134 28.2 12.8 38.3

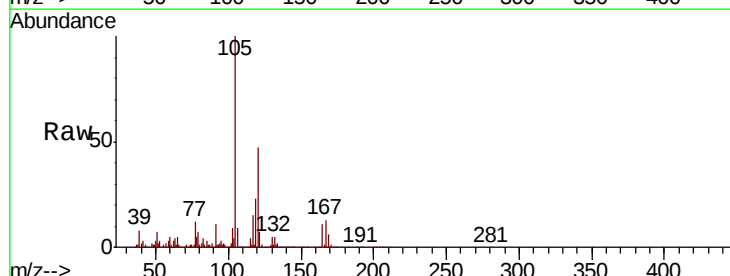


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

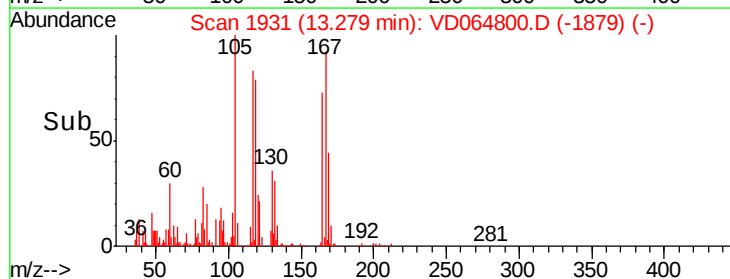
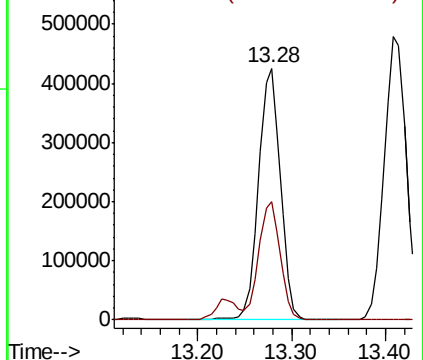


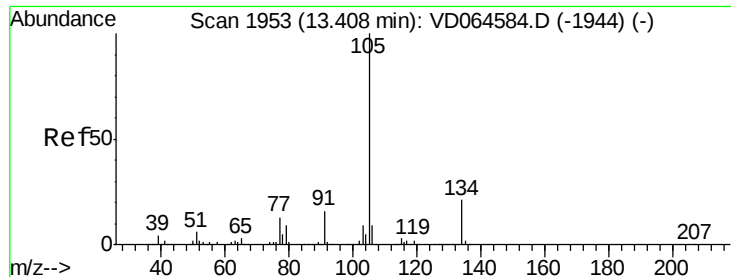
#84
 1,2,4-Trimethylbenzene
 Concen: 51.349 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion:105 Resp: 682977
 Ion Ratio Lower Upper
 105 100
 120 45.9 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: 49.051 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

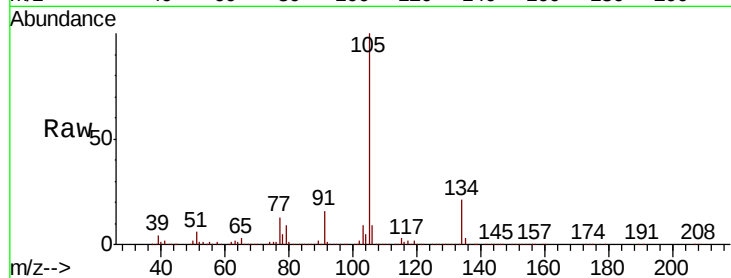
ClientSampleId :

Tot Ion:105 Resp: 779756

Ion Ratio Lower Upper

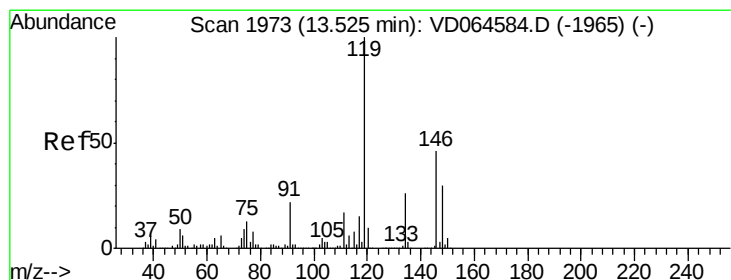
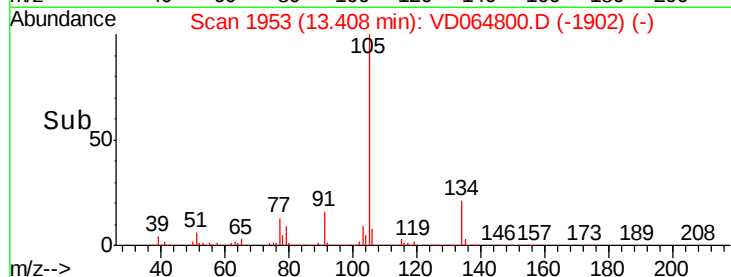
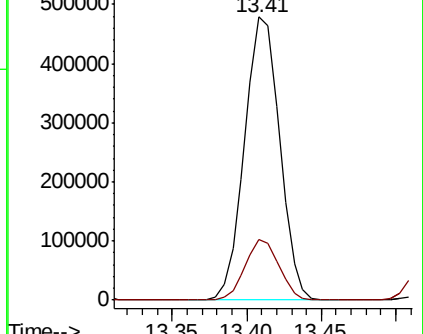
105 100

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: 50.157 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

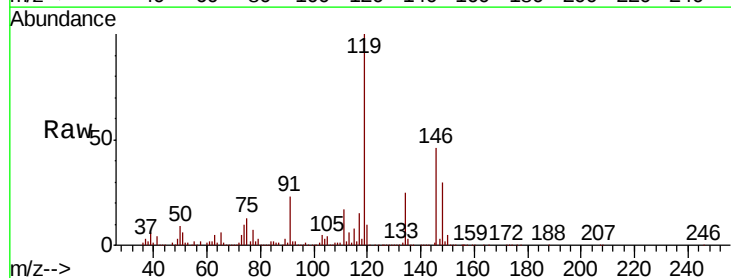
Tgt Ion:119 Resp: 762402

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

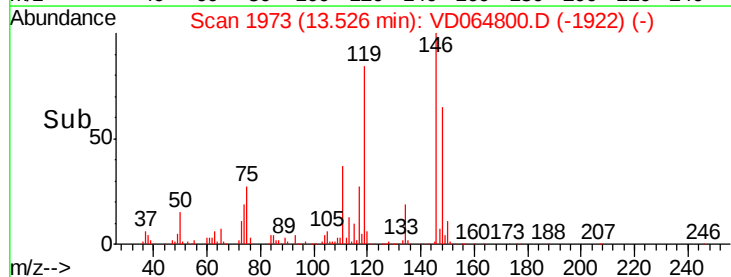
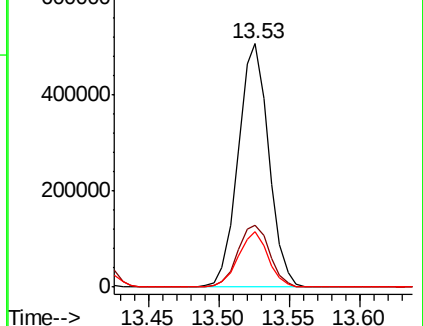
91 22.0 11.2 33.6

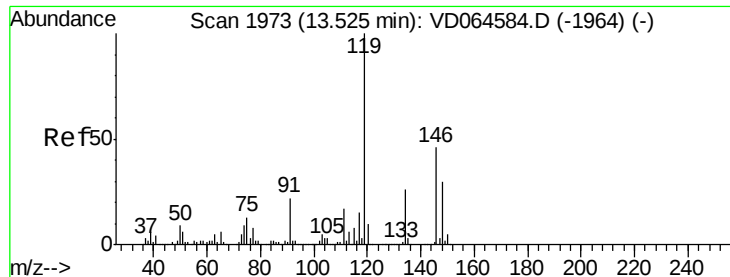


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

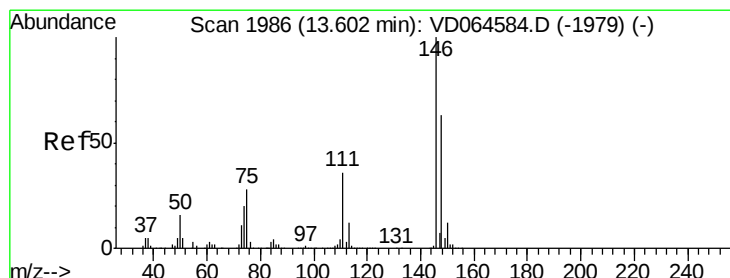
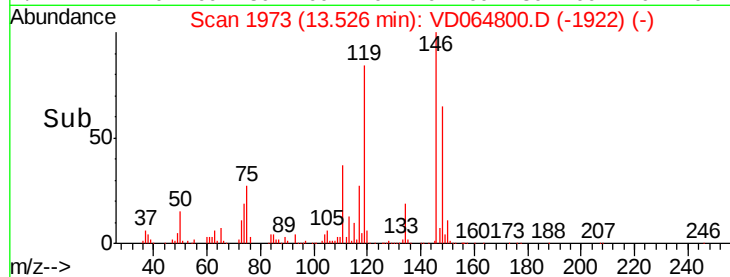
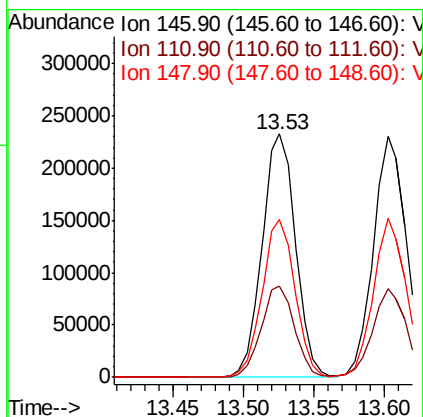
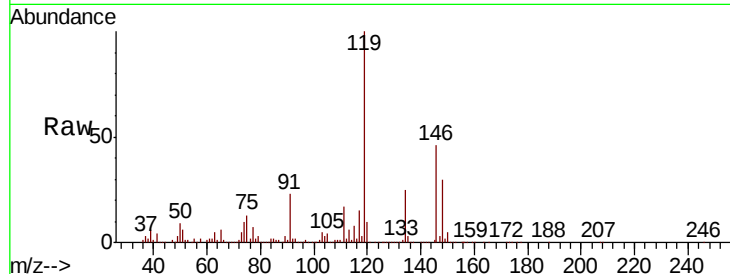




#87
 1,3-Dichlorobenzene
 Concen: 50.889 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

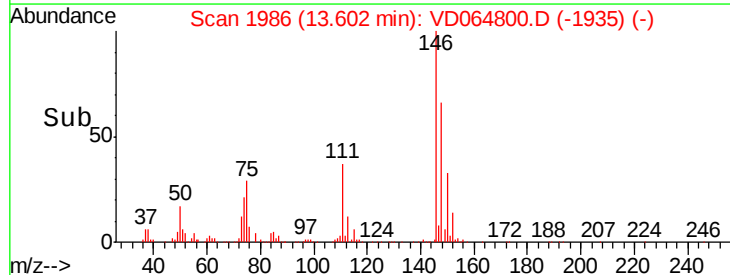
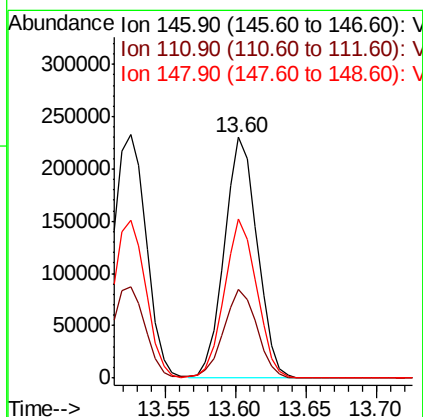
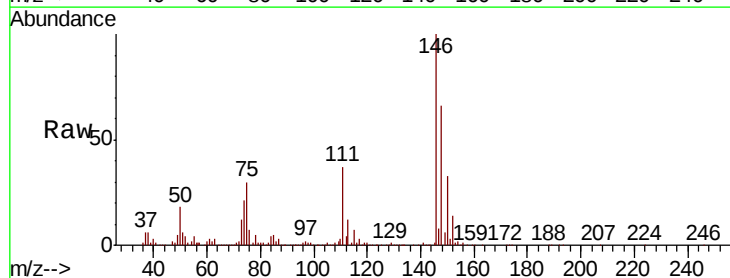
Instrument :
 MSVOA_D
 ClientSampleId :

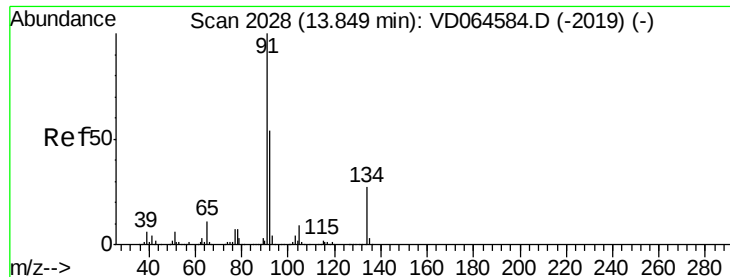
Tot Ion:146 Resp: 387541
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 63.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.006 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion:146 Resp: 374097
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.1 54.1
 148 65.0 32.3 96.9





#89

n-Butylbenzene

Concen: 49.496 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064800.D

Acq: 07 Jan 2020 18:39

Instrument :

MSVOA_D

ClientSampled :

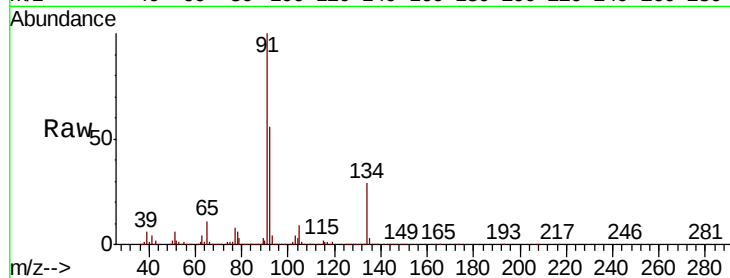
Tot Ion: 91 Resp: 677524

Ion Ratio Lower Upper

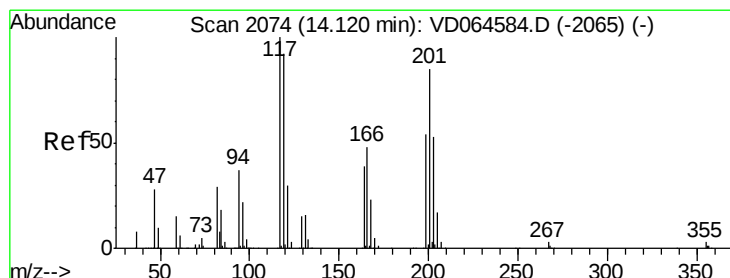
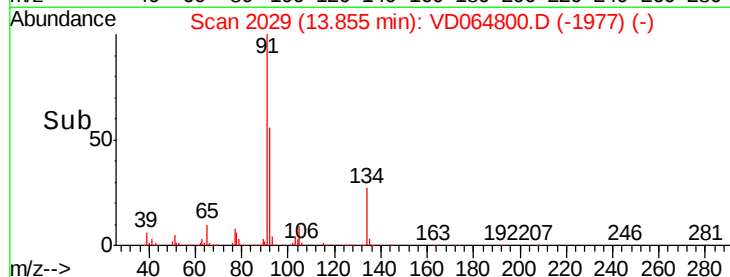
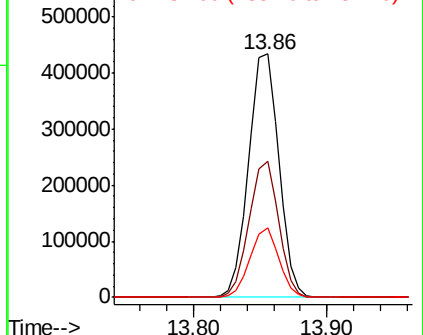
91 100

92 54.6 26.8 80.4

134 27.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.304 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064800.D

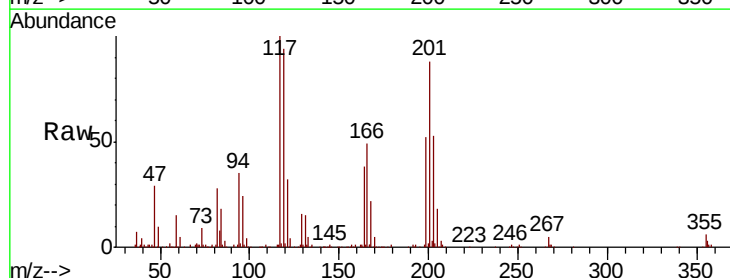
Acq: 07 Jan 2020 18:39

Tgt Ion: 117 Resp: 143157

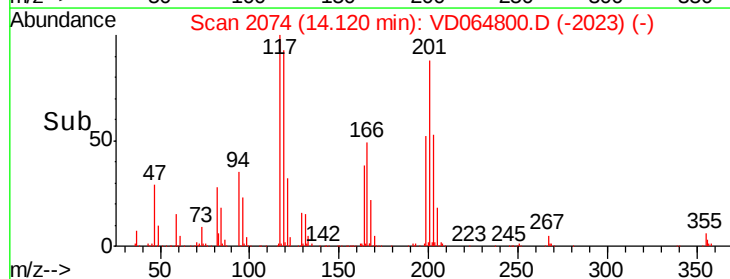
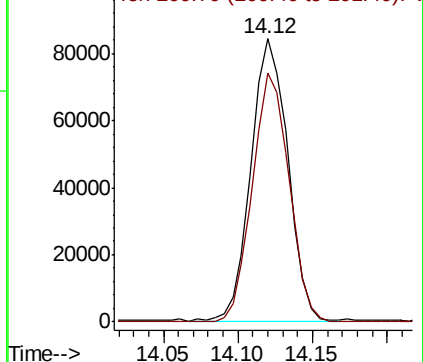
Ion Ratio Lower Upper

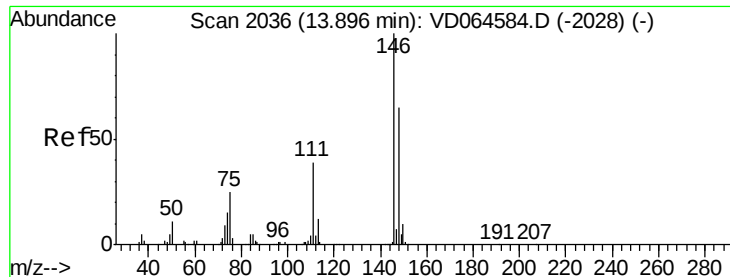
117 100

201 88.3 44.0 131.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

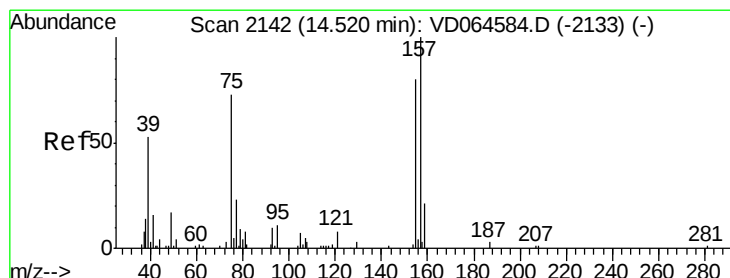
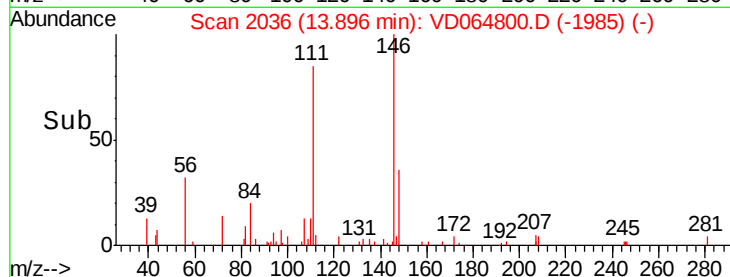
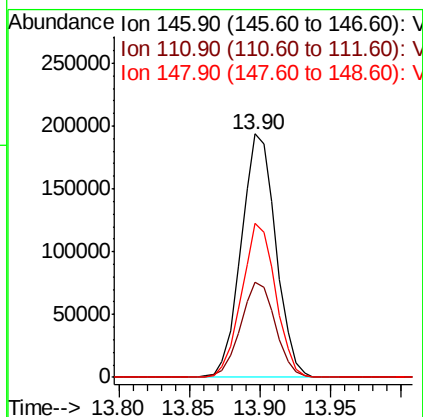
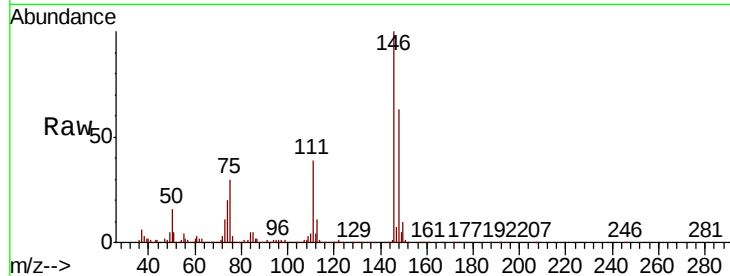




#91
 1,2-Dichlorobenzene
 Concen: 51.104 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

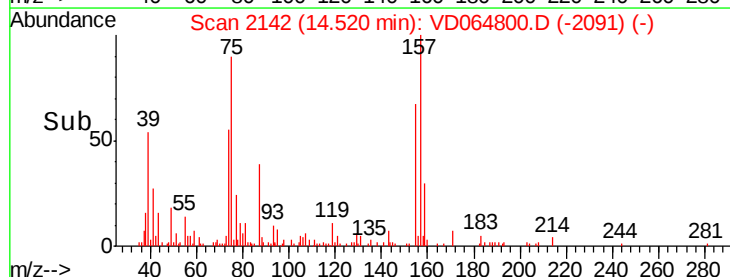
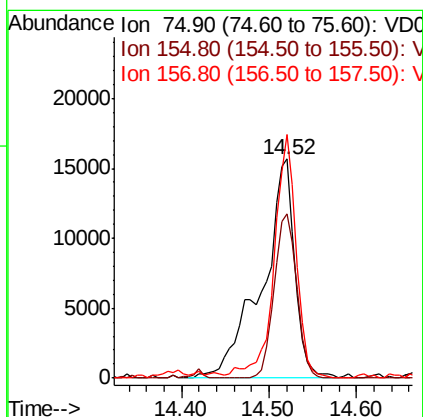
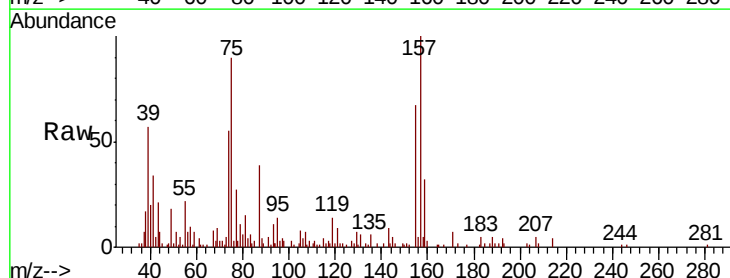
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	62.6	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.113 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.8	48.0	144.0
157	75.6	64.1	192.3

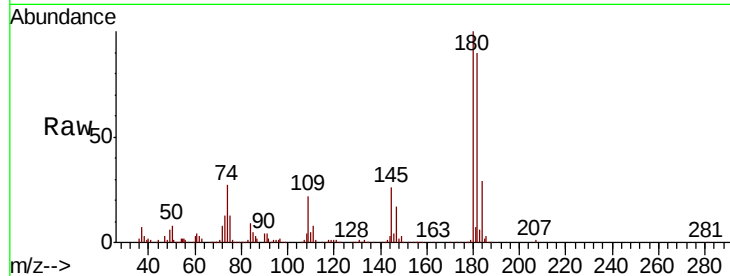




#93
 1,2,4-Trichlorobenzene
 Concen: 50.937 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	27.9	13.8	41.4

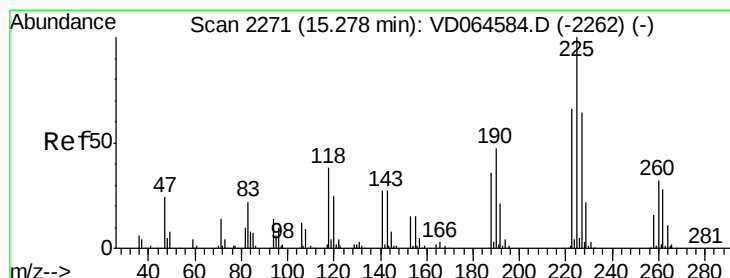
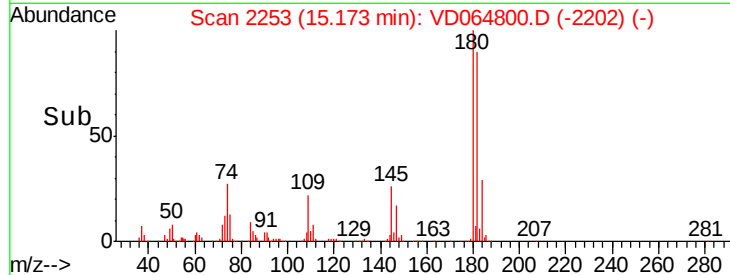
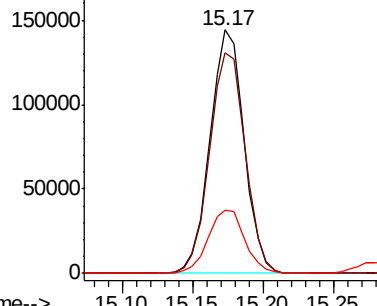


Abundance

Ion 179.80 (179.50 to 180.50): V

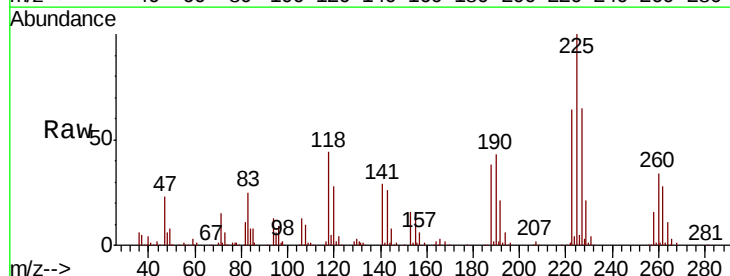
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.881 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064800.D
 Acq: 07 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.1	93.2
227	64.6	30.9	92.7

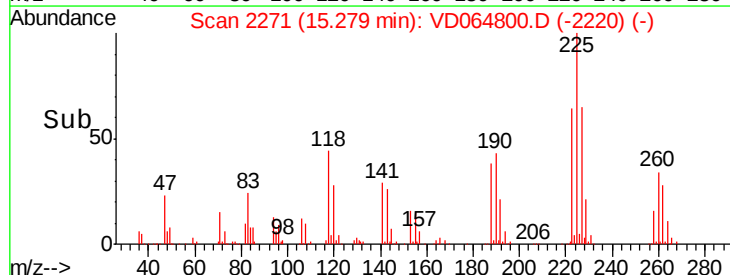
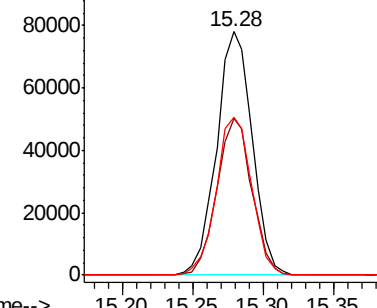


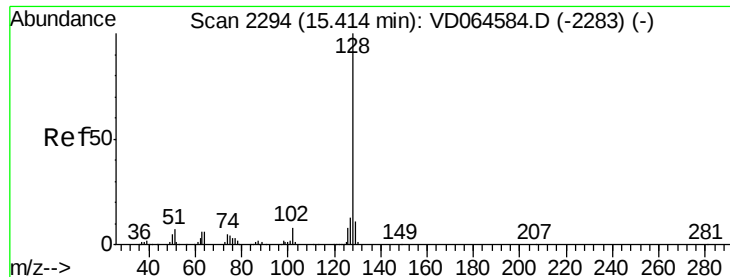
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

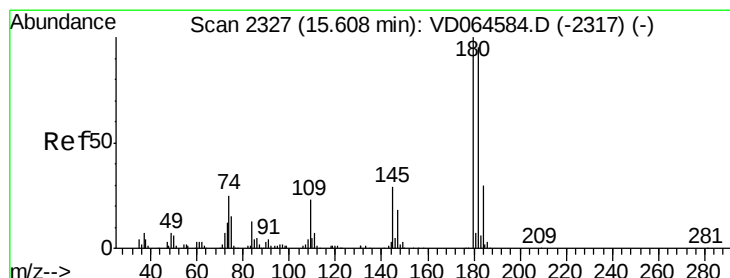
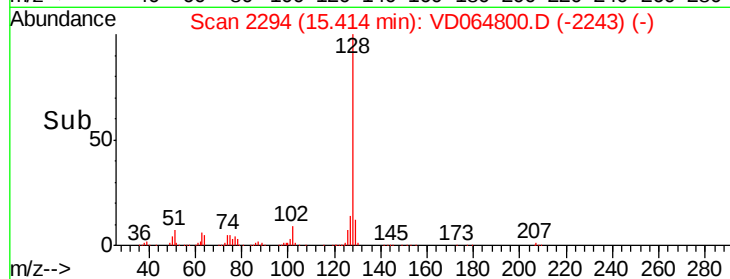
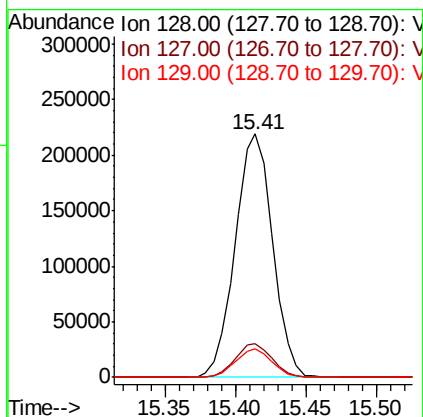
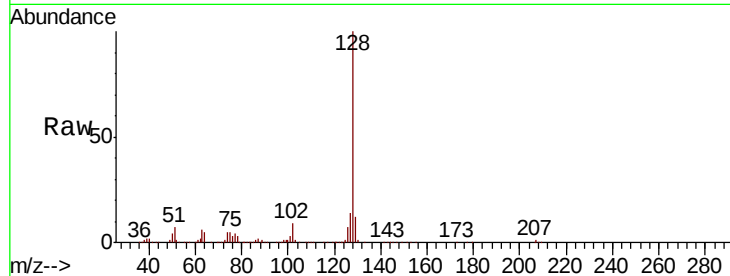




#95
Naphthalene
Concen: 53.705 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 406229
Ion Ratio Lower Upper
128 100
127 13.8 10.3 15.5
129 11.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 50.842 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064800.D
Acq: 07 Jan 2020 18:39

Tgt Ion:180 Resp: 207530
Ion Ratio Lower Upper
180 100
182 96.5 47.9 143.7
145 30.1 14.9 44.7

