

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064674.D
 Acq On : 30 Dec 2019 13:14
 Operator : VA/SY
 Sample : VD1230SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 31 07:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	596595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193856	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.91	113	194740	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	10.34	98	752176	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	12.64	95	236924	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65437	20.534	ug/l	98
3) Chloromethane	2.21	50	93742	21.034	ug/l	98
4) Vinyl Chloride	2.35	62	116056	21.357	ug/l	98
5) Bromomethane	2.76	94	83989	21.257	ug/l	97
6) Chloroethane	2.92	64	78301	21.505	ug/l	100
7) Trichlorofluoromethane	3.27	101	193931	21.195	ug/l	95
8) Diethyl Ether	3.70	74	37837	20.825	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	81702	21.561	ug/l	99
10) Methyl Iodide	4.30	142	82333	20.228	ug/l	99
11) Tert butyl alcohol	5.25	59	18429	88.933	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	77109	21.374	ug/l	90
13) Acrolein	3.92	56	25744	89.143	ug/l	100
14) Allyl chloride	4.71	41	118871	21.134	ug/l	99
15) Acrylonitrile	5.43	53	74651	98.639	ug/l	98
16) Acetone	4.16	43	81756	102.652	ug/l	90
17) Carbon Disulfide	4.40	76	242614	20.798	ug/l	97
18) Methyl Acetate	4.72	43	41316	20.296	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	161591	20.166	ug/l	95
20) Methylene Chloride	4.96	84	88533	21.118	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	86231	20.989	ug/l	97
22) Diisopropyl ether	6.37	45	236507	21.081	ug/l	98
23) Vinyl Acetate	6.31	43	651094	102.308	ug/l	99
24) 1,1-Dichloroethane	6.26	63	143078	21.244	ug/l	98
25) 2-Butanone	7.22	43	104919	105.564	ug/l	99
26) 2,2-Dichloropropane	7.21	77	133660	21.345	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	92950	20.963	ug/l	100
28) Bromochloromethane	7.54	49	51601	19.709	ug/l	100
29) Tetrahydrofuran	7.57	42	61358	99.272	ug/l	99
30) Chloroform	7.71	83	148585	21.028	ug/l	97
31) Cyclohexane	7.99	56	141204	20.945	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	141601	21.335	ug/l	100
36) 1,1-Dichloropropene	8.11	75	122094	21.263	ug/l	98
37) Ethyl Acetate	7.30	43	46182	20.472	ug/l	99
38) Carbon Tetrachloride	8.09	117	130340	21.287	ug/l	89

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 ClientSampleId :

Quant Time: Dec 31 07:08:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147171	21.161	ug/l	98
40) Benzene	8.35	78	325723	20.779	ug/l	96
41) Methacrylonitrile	7.53	41	22736	17.371	ug/l #	79
42) 1,2-Dichloroethane	8.43	62	92567	20.435	ug/l	100
43) Isopropyl Acetate	8.46	43	89399	19.910	ug/l	98
44) Trichloroethene	9.11	130	95332	20.702	ug/l	97
45) 1,2-Dichloropropane	9.39	63	81027	21.649	ug/l	97
46) Dibromomethane	9.47	93	43208	20.706	ug/l	99
47) Bromodichloromethane	9.66	83	114018	20.534	ug/l	97
48) Methyl methacrylate	9.46	41	40811	19.304	ug/l #	86
49) 1,4-Dioxane	9.46	88	9700	403.138	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	222583	100.293	ug/l	100
52) Toluene	10.40	92	213053	20.716	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	108243	20.909	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	126726	20.760	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59836	21.277	ug/l	98
56) Ethyl methacrylate	10.66	69	70059	19.948	ug/l	100
57) 1,3-Dichloropropane	10.95	76	99321	20.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	145345	108.623	ug/l	99
59) 2-Hexanone	10.98	43	155189	103.026	ug/l	98
60) Dibromochloromethane	11.14	129	79688	20.491	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56024	20.198	ug/l	98
64) Tetrachloroethene	10.88	164	83324	20.446	ug/l	98
65) Chlorobenzene	11.67	112	226922	20.583	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85589	20.593	ug/l	99
67) Ethyl Benzene	11.75	91	405524	20.265	ug/l	96
68) m/p-Xylenes	11.86	106	313174	40.547	ug/l	98
69) o-Xylene	12.18	106	142146	20.375	ug/l	99
70) Styrene	12.20	104	246172	20.103	ug/l	99
71) Bromoform	12.37	173	47596	20.081	ug/l #	98
73) Isopropylbenzene	12.48	105	391519	21.308	ug/l	100
74) N-amyl acetate	12.30	43	81748	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62106	21.517	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	79190	39.003	ug/l #	100
77) Bromobenzene	12.77	156	95004	21.043	ug/l	99
78) n-propylbenzene	12.83	91	456239	21.284	ug/l	100
79) 2-Chlorotoluene	12.91	91	249418	21.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	322160	21.344	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19193	19.771	ug/l	95
82) 4-Chlorotoluene	13.01	91	262357	20.936	ug/l	100
83) tert-Butylbenzene	13.23	119	273404	20.863	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	318309	21.175	ug/l	99
85) sec-Butylbenzene	13.41	105	384625	21.408	ug/l	98
86) p-Isopropyltoluene	13.53	119	361934	21.068	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	178841	20.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	176291	20.850	ug/l	99
89) n-Butylbenzene	13.86	91	331227	21.410	ug/l	98
90) Hexachloroethane	14.12	117	70073	21.354	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	153027	20.851	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9783	20.907	ug/l	92

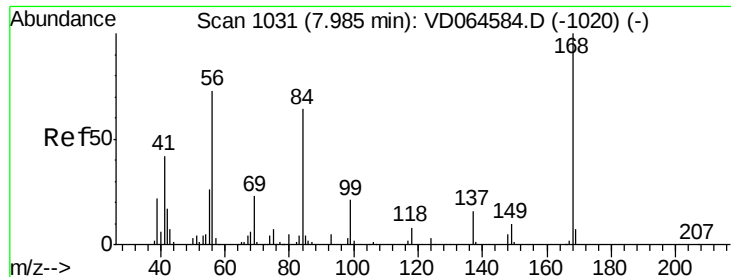
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
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Quant Time: Dec 31 07:08:16 2019
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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	109945	20.346	ug/l	99
94) Hexachlorobutadiene	15.28	225	69246	20.364	ug/l	96
95) Naphthalene	15.41	128	172525	20.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94848	20.560	ug/l	98

(#) = 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: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

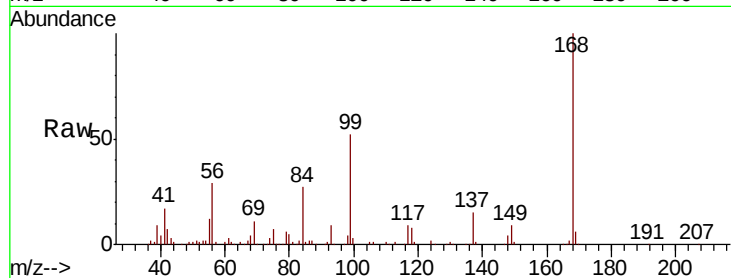
ClientSampleId :

Tot Ion:168 Resp: 410052

Ion Ratio Lower Upper

168 100

99 51.9 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

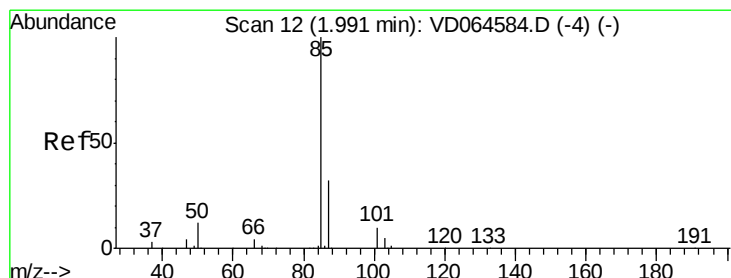
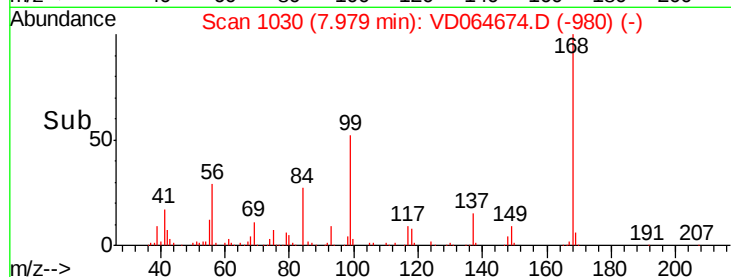
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.534 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064674.D

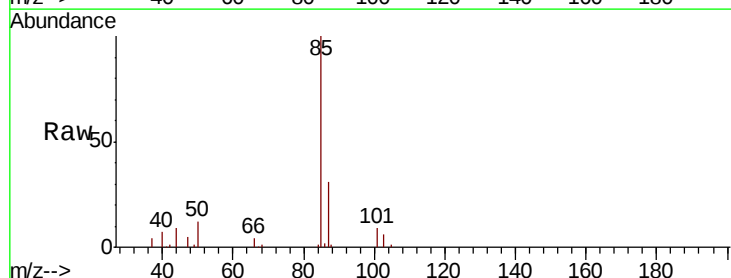
Acq: 30 Dec 2019 13:14

Tgt Ion: 85 Resp: 65437

Ion Ratio Lower Upper

85 100

87 31.1 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

50000

40000

30000

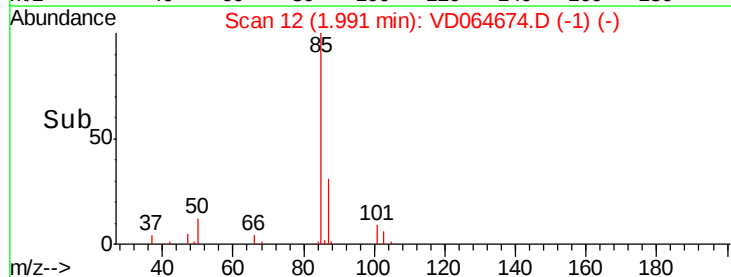
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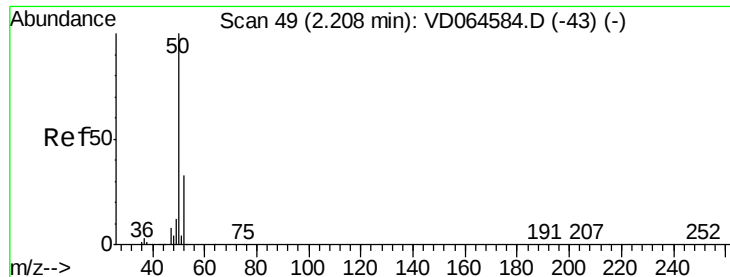
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.034 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

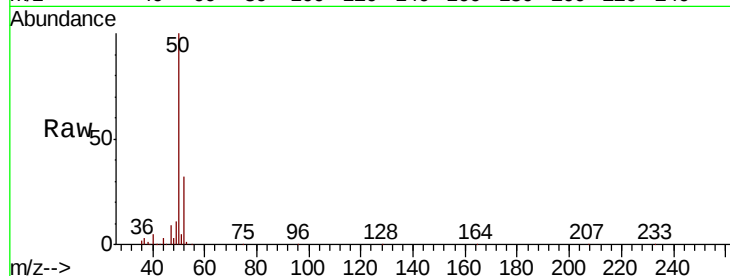
ClientSampleId :

Tot Ion: 50 Resp: 93742

Ion Ratio Lower Upper

50 100

52 32.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

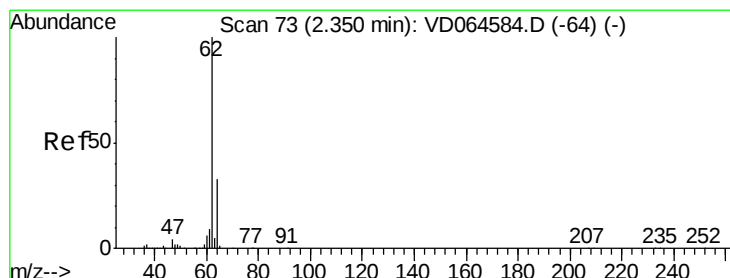
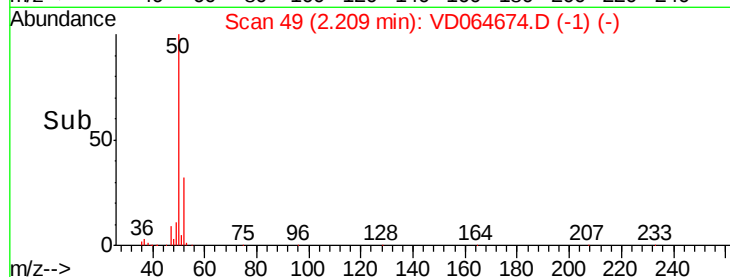
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064674.D

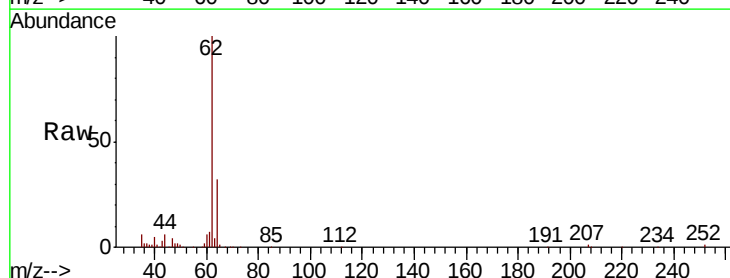
Acq: 30 Dec 2019 13:14

Tgt Ion: 62 Resp: 116056

Ion Ratio Lower Upper

62 100

64 32.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

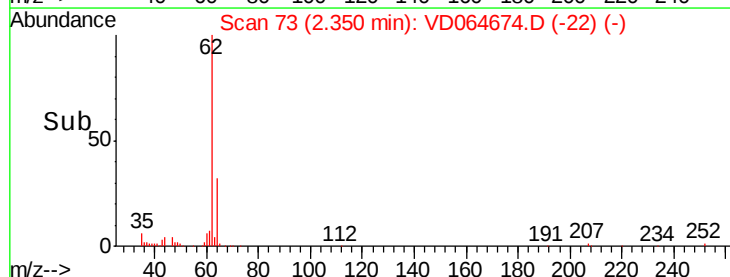
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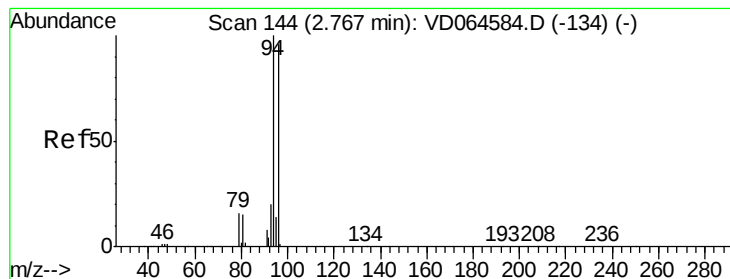
40000

20000

0

Time-->





#5

Bromomethane

Concen: 21.257 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

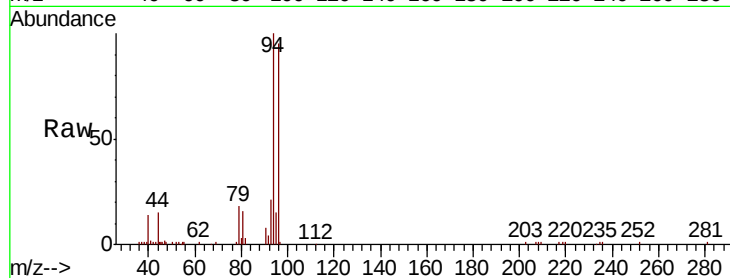
ClientSampleId :

Tot Ion: 94 Resp: 83989

Ion Ratio Lower Upper

94 100

96 93.8 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

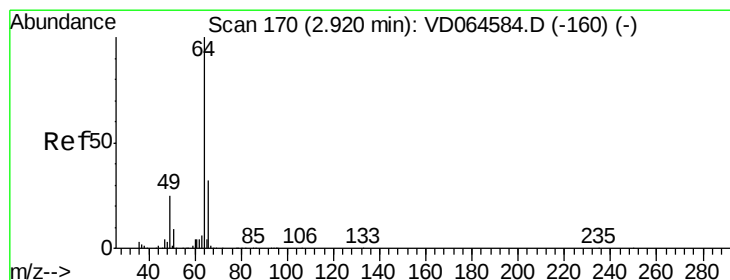
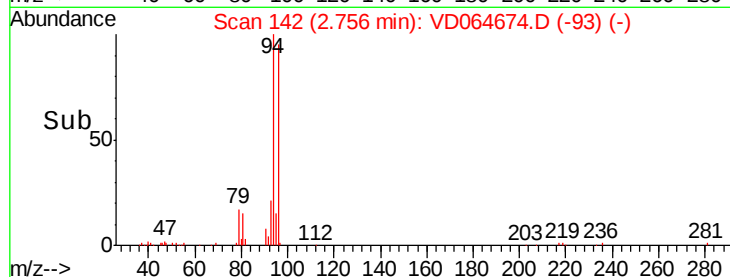
20000

10000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 21.505 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064674.D

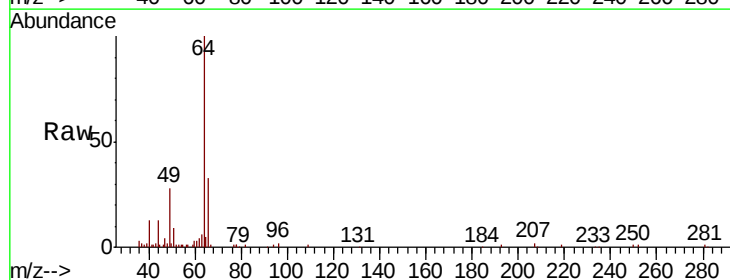
Acq: 30 Dec 2019 13:14

Tgt Ion: 64 Resp: 78301

Ion Ratio Lower Upper

64 100

66 32.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

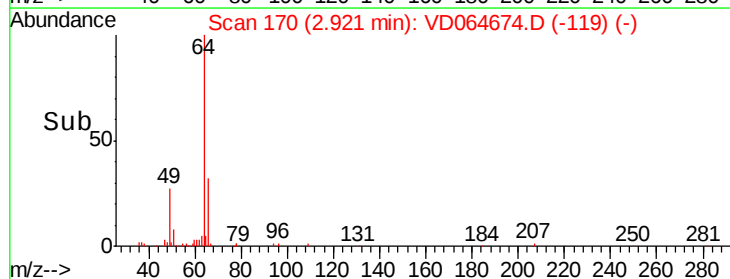
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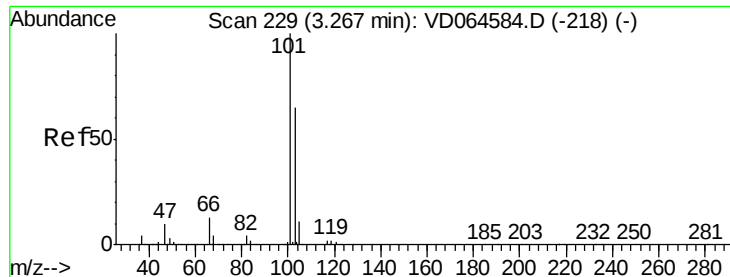
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0

2.80 2.90 3.00

Time-->



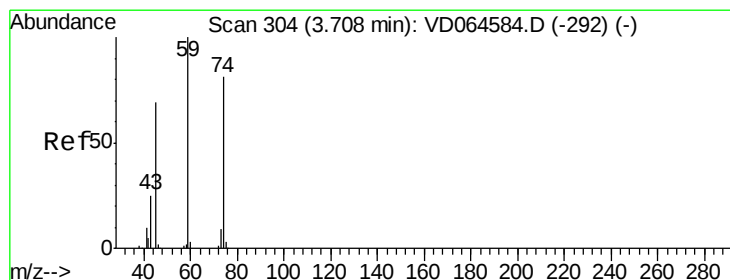
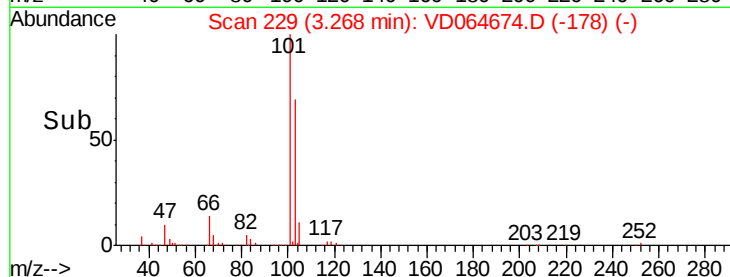
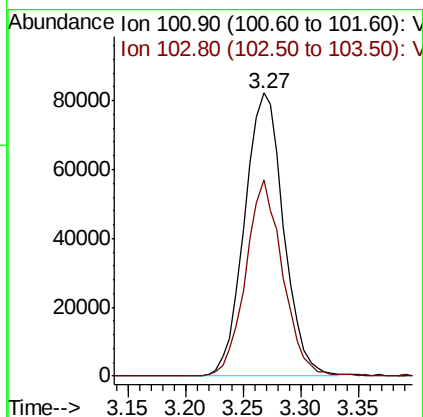
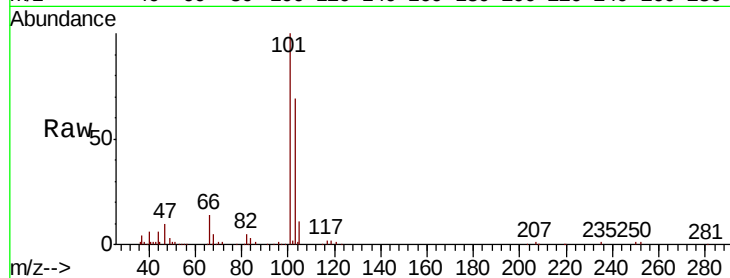


#7

Trichlorofluoromethane
Concen: 21.195 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :

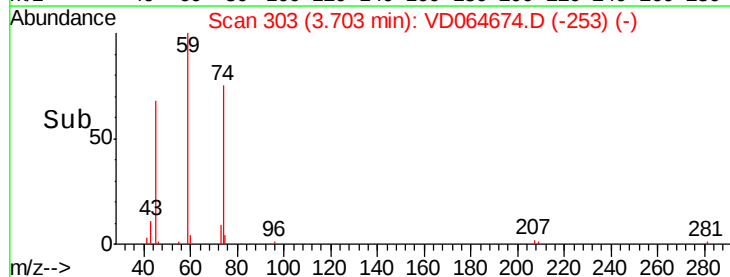
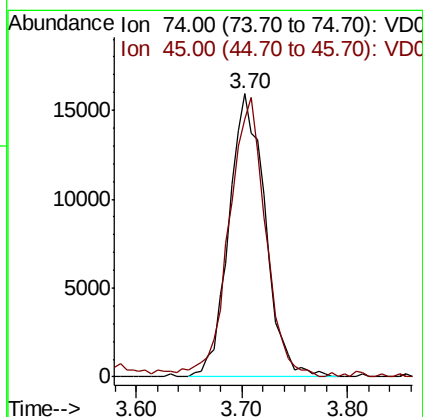
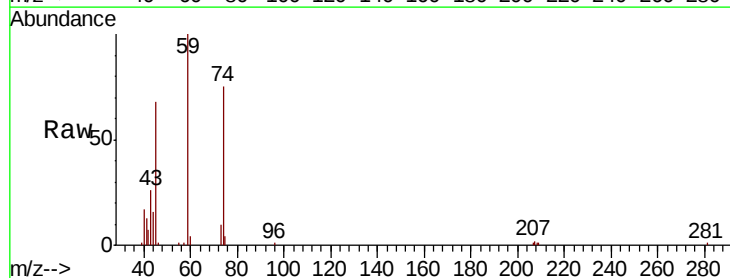
Tot Ion:101 Resp: 193931
Ion Ratio Lower Upper
101 100
103 69.5 52.2 78.4

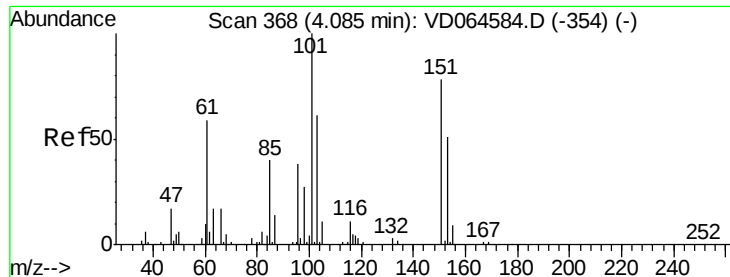


#8

Diethyl Ether
Concen: 20.825 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 74 Resp: 37837
Ion Ratio Lower Upper
74 100
45 99.3 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.561 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

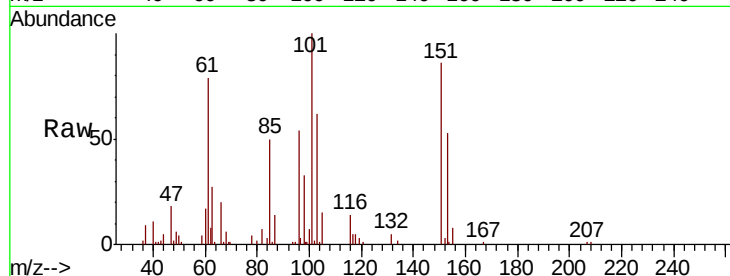
Tot Ion:101 Resp: 81702

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

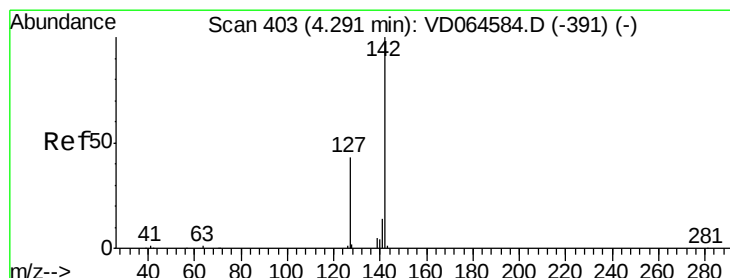
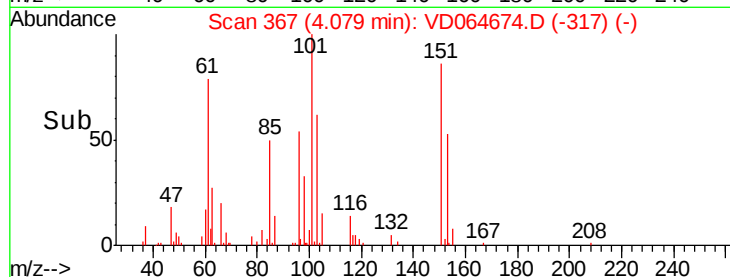
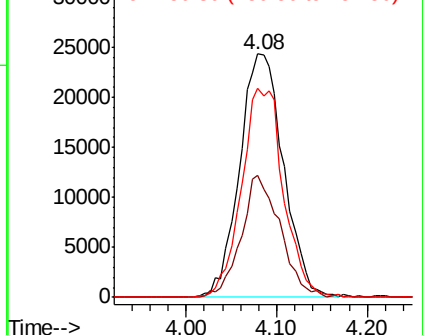
151 82.4 66.2 99.4



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: 20.228 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

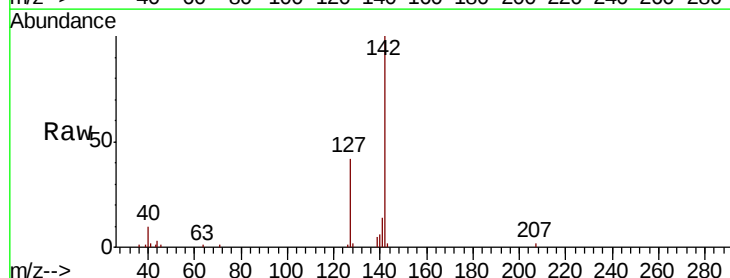
Tgt Ion:142 Resp: 82333

Ion Ratio Lower Upper

142 100

127 46.5 36.2 54.4

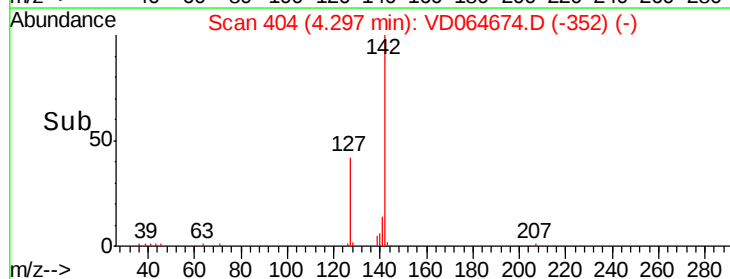
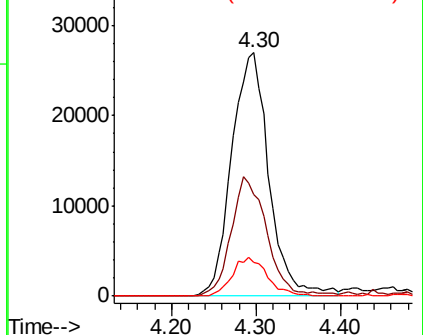
141 14.8 11.8 17.8

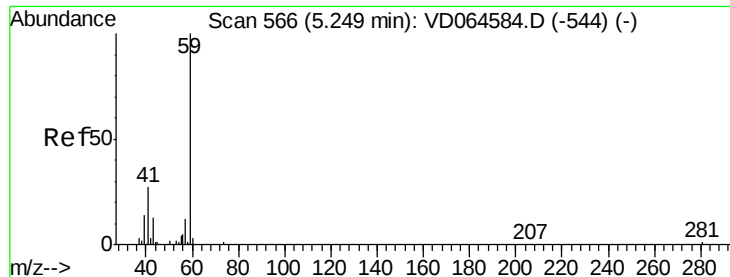


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



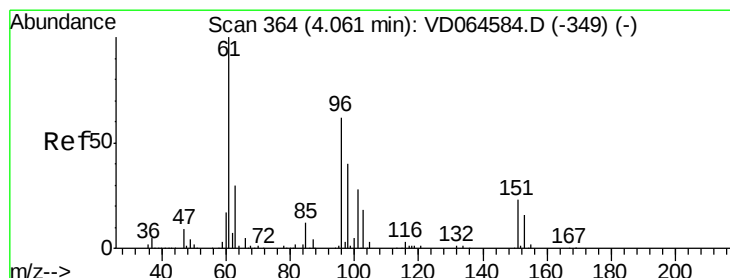
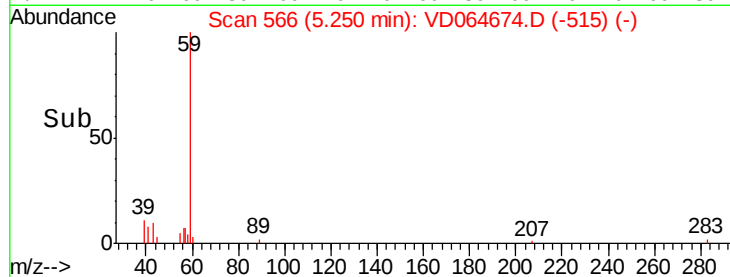
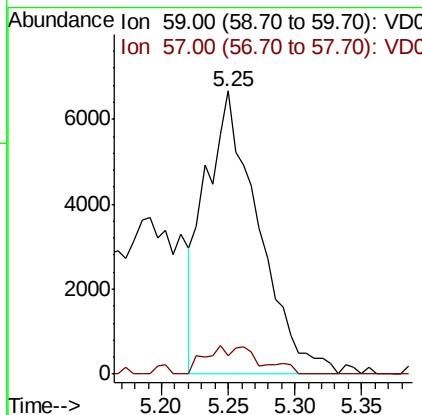
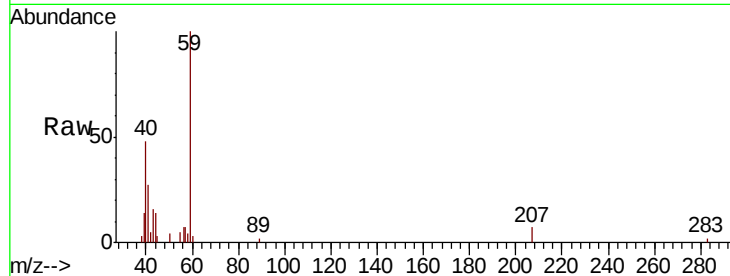


#11

Tert butyl alcohol
 Concen: 88.933 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampled :

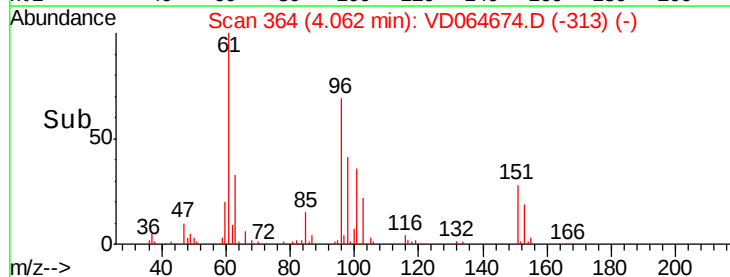
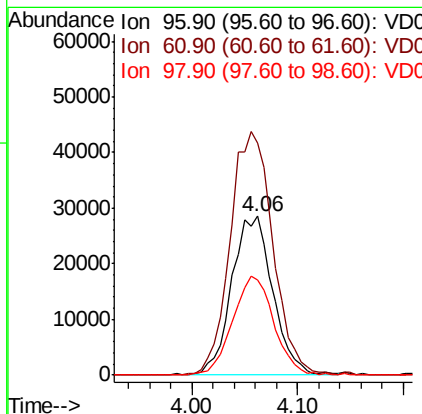
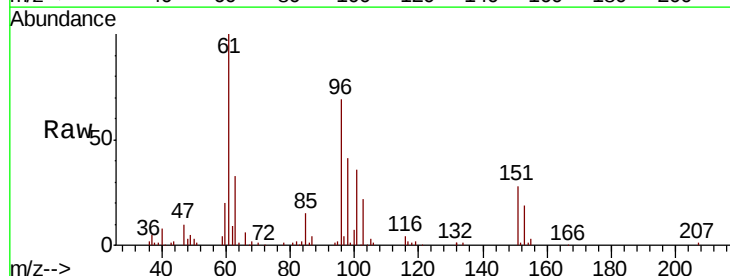
Tot Ion: 59 Resp: 18429
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

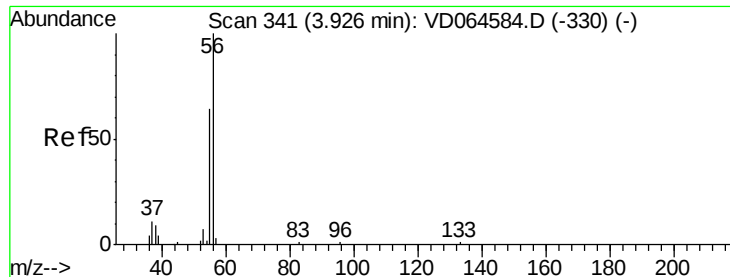


#12

1,1-Dichloroethene
 Concen: 21.374 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 96 Resp: 77109
 Ion Ratio Lower Upper
 96 100
 61 145.3 129.4 194.0
 98 59.8 51.4 77.0





#13

Acrolein

Concen: 89.143 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

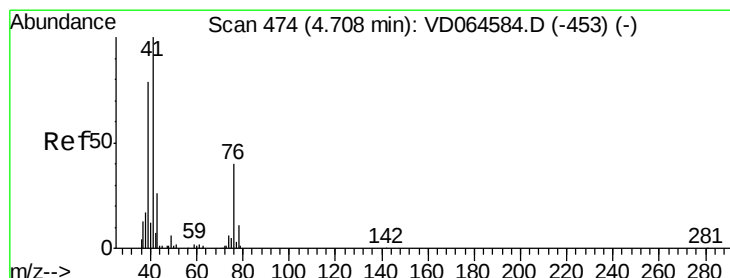
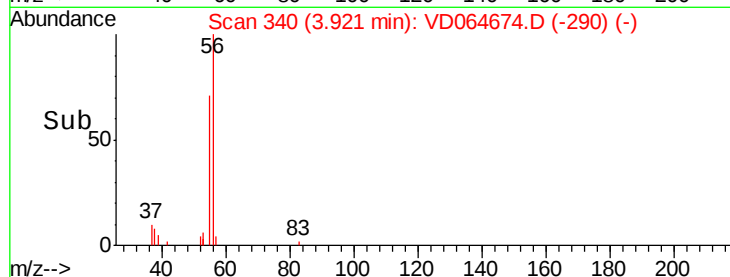
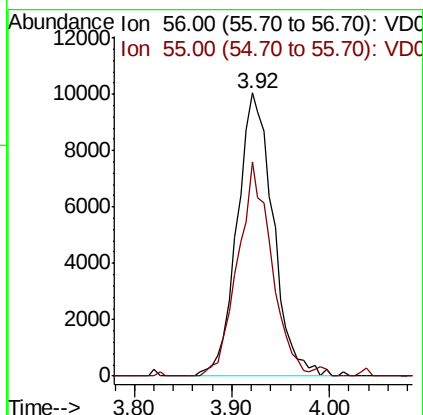
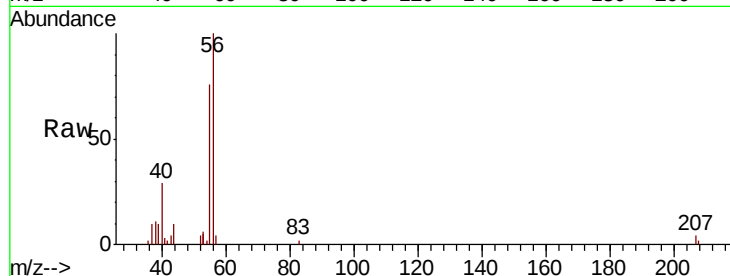
ClientSampleId :

Tot Ion: 56 Resp: 25744

Ion Ratio Lower Upper

56 100

55 71.0 56.7 85.1



#14

Allyl chloride

Concen: 21.134 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

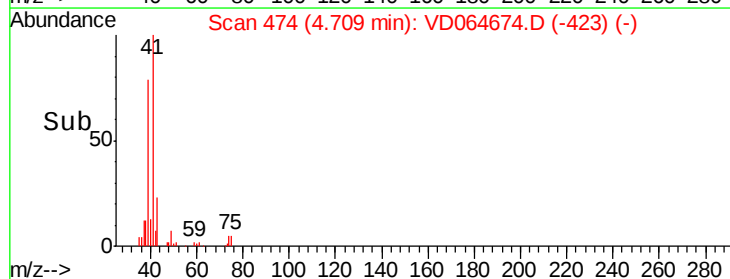
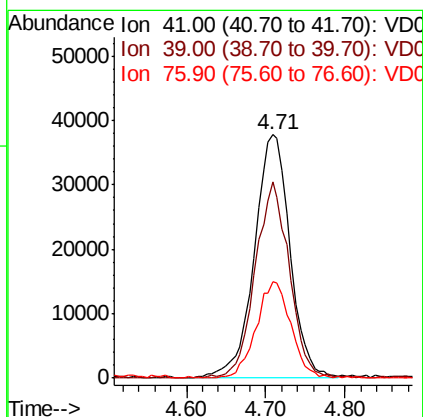
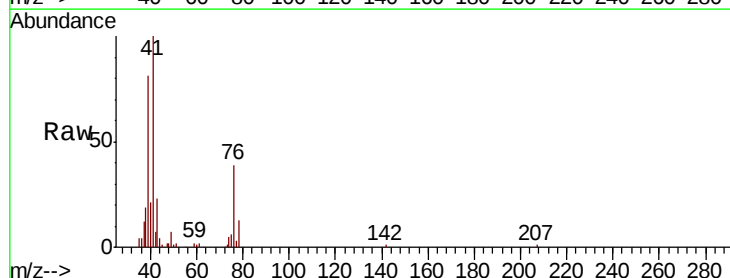
Tgt Ion: 41 Resp: 118871

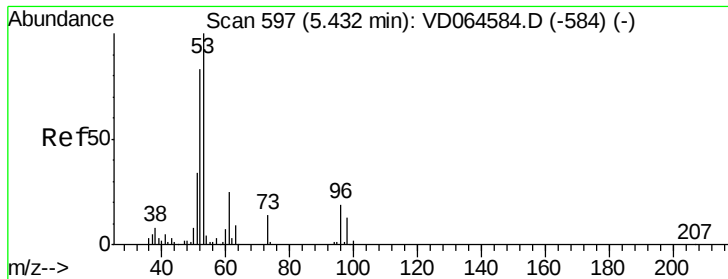
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 38.3 29.7 44.5





#15

Acrylonitrile

Concen: 98.639 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampled :

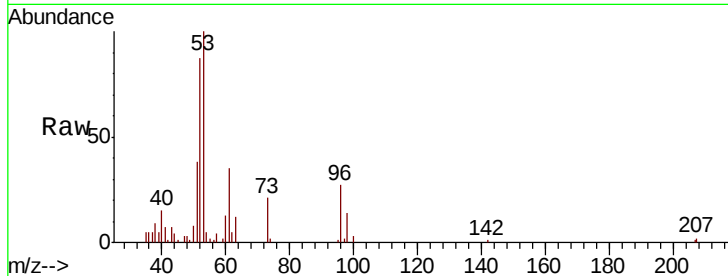
Tot Ion: 53 Resp: 74651

Ion Ratio Lower Upper

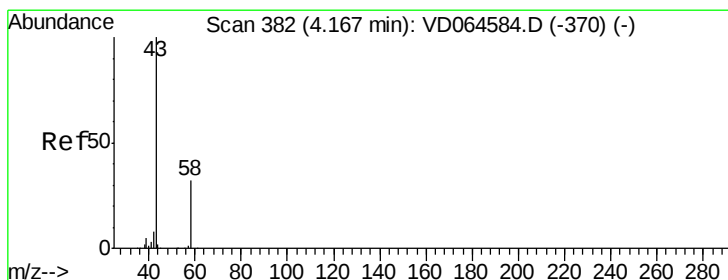
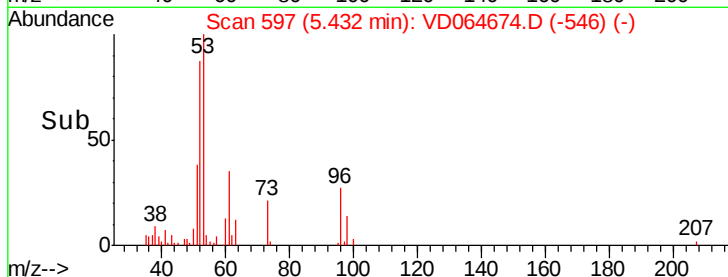
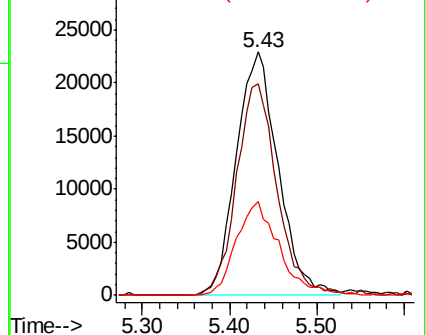
53 100

52 83.8 66.2 99.2

51 39.7 30.1 45.1



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



#16

Acetone

Concen: 102.652 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064674.D

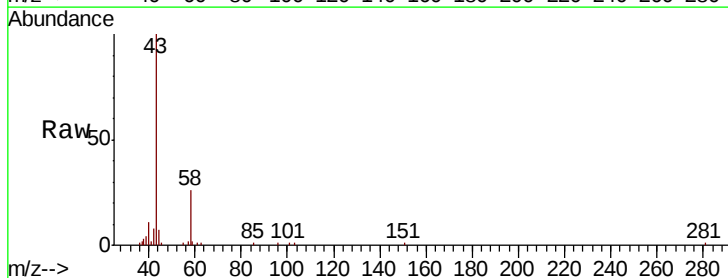
Acq: 30 Dec 2019 13:14

Tgt Ion: 43 Resp: 81756

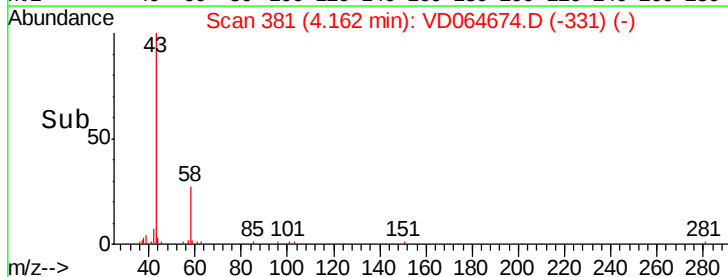
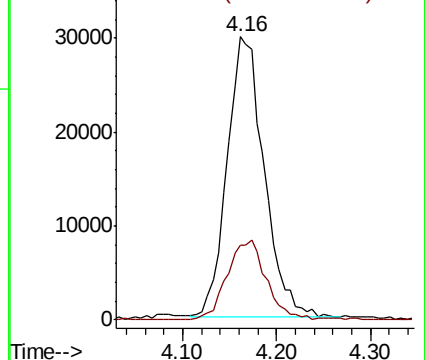
Ion Ratio Lower Upper

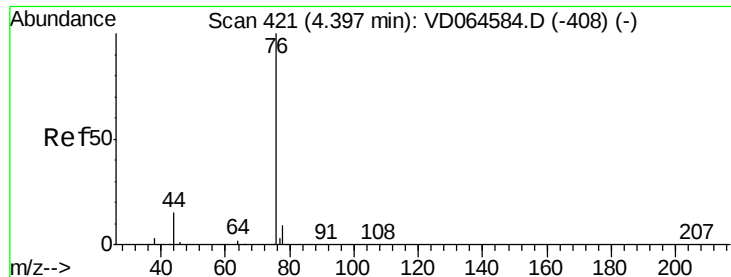
43 100

58 26.5 25.8 38.6



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

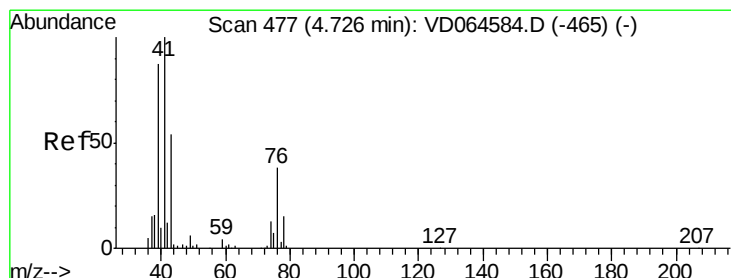
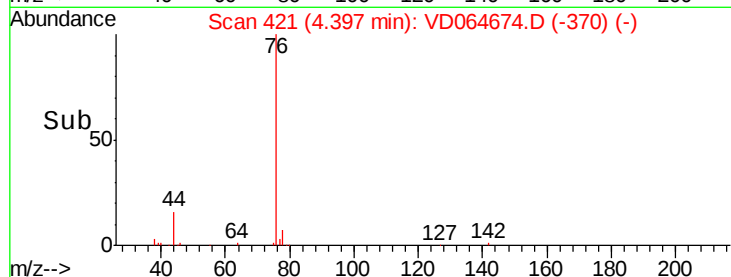
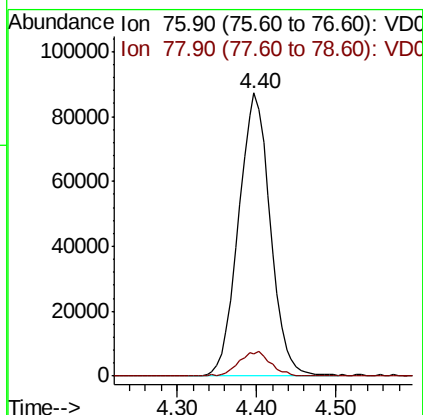
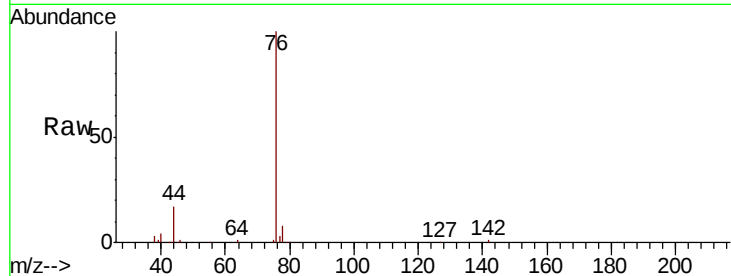




#17
Carbon Disulfide
Concen: 20.798 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

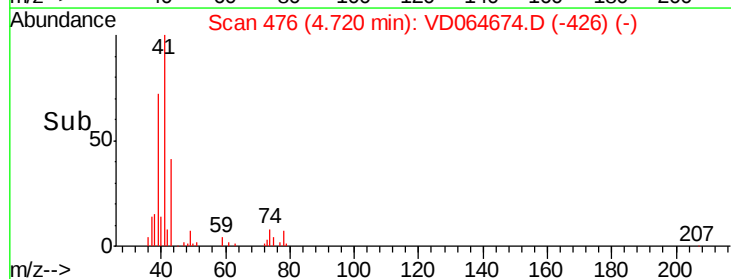
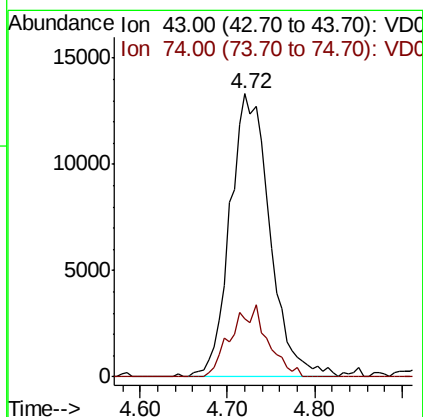
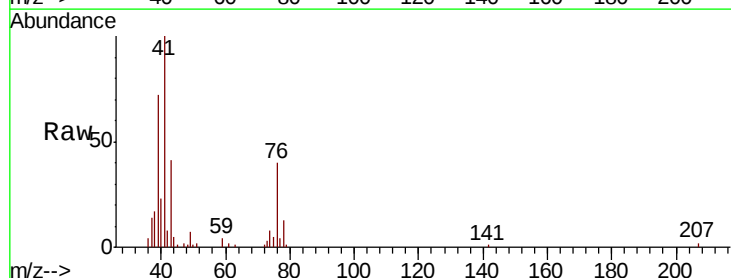
Instrument :
MSVOA_D
ClientSampleId :

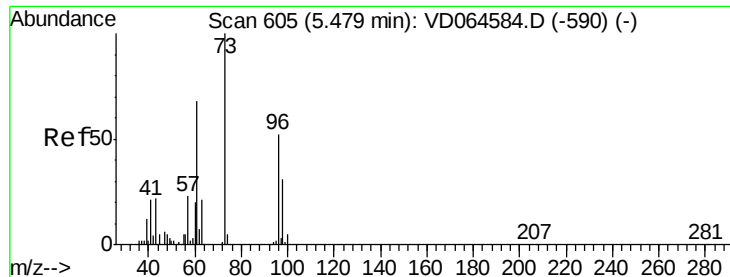
Tot Ion: 76 Resp: 242614
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#18
Methyl Acetate
Concen: 20.296 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 43 Resp: 41316
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

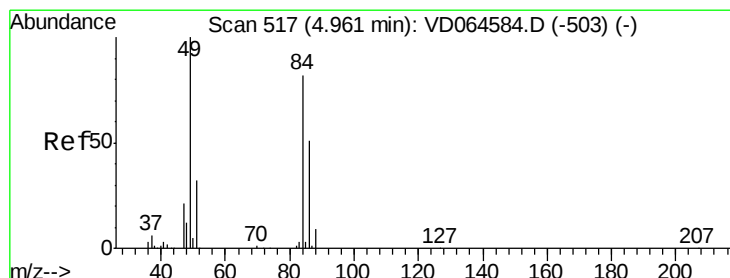
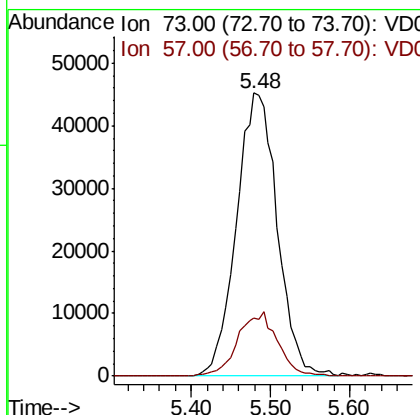
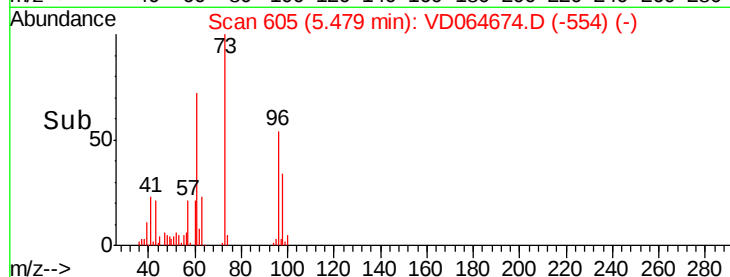
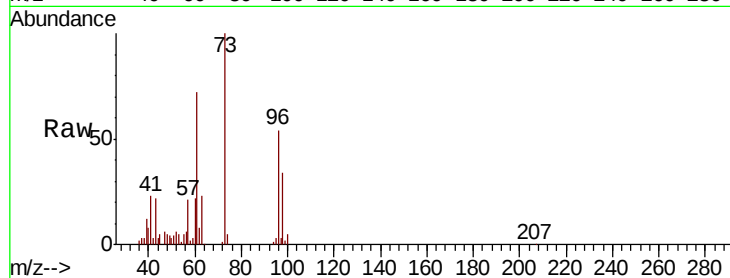




#19
Methyl tert-butyl Ether
Concen: 20.166 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

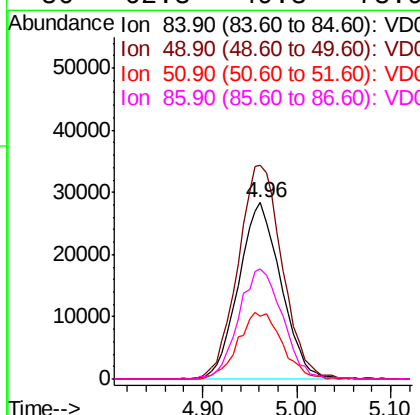
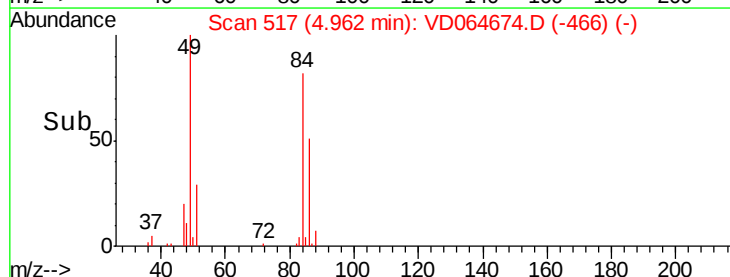
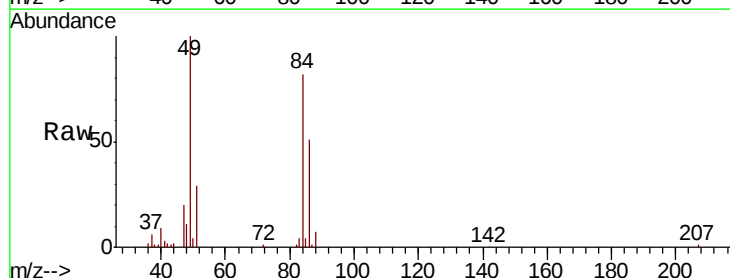
Instrument :
MSVOA_D
ClientSampleID :

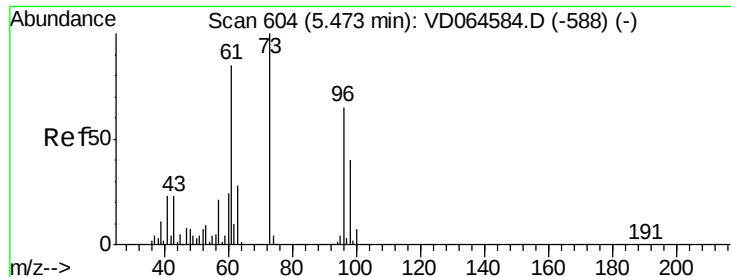
Tot Ion: 73 Resp: 161591
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8



#20
Methylene Chloride
Concen: 21.118 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 84 Resp: 88533
Ion Ratio Lower Upper
84 100
49 121.3 97.2 145.8
51 35.7 31.4 47.0
86 62.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.989 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampled :

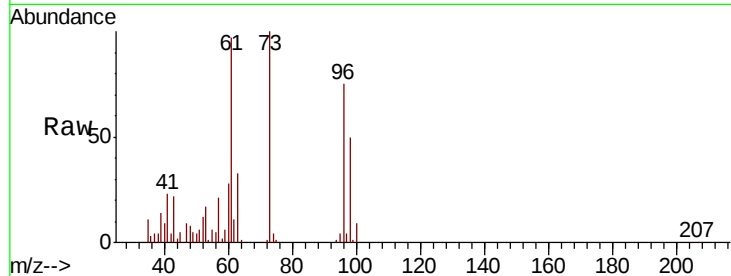
Tot Ion: 96 Resp: 86231

Ion Ratio Lower Upper

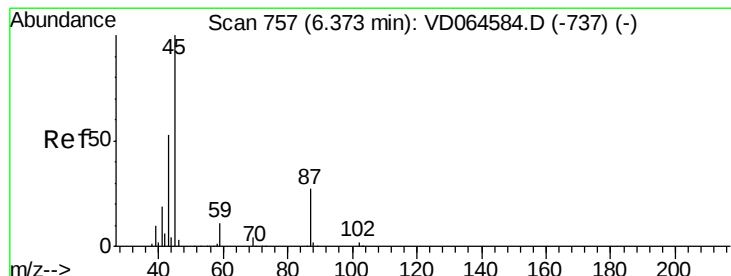
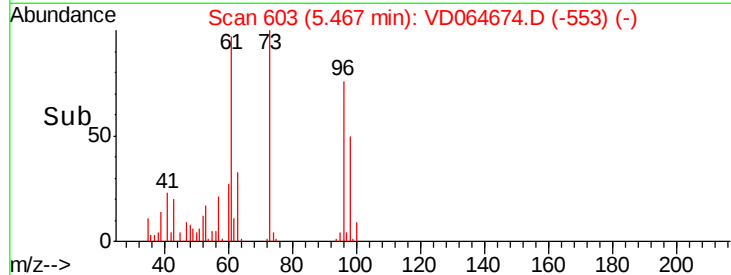
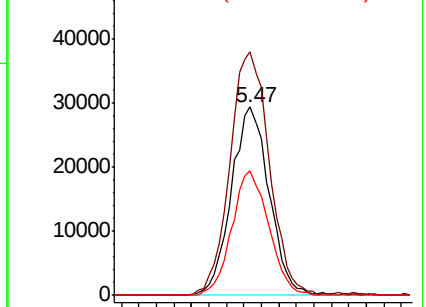
96 100

61 129.2 104.7 157.1

98 66.3 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: 21.081 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion: 45 Resp: 236507

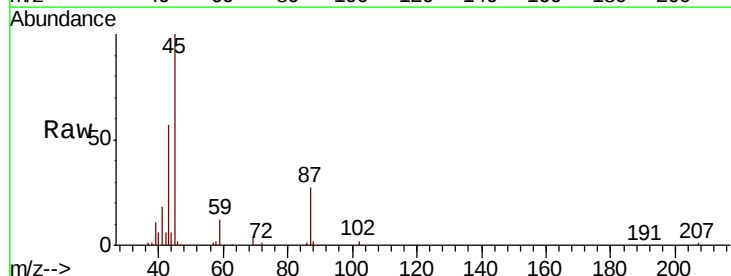
Ion Ratio Lower Upper

45 100

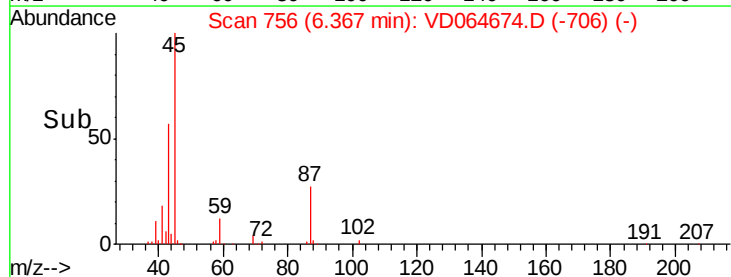
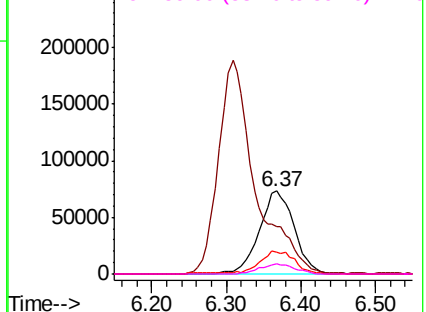
43 56.1 43.2 64.8

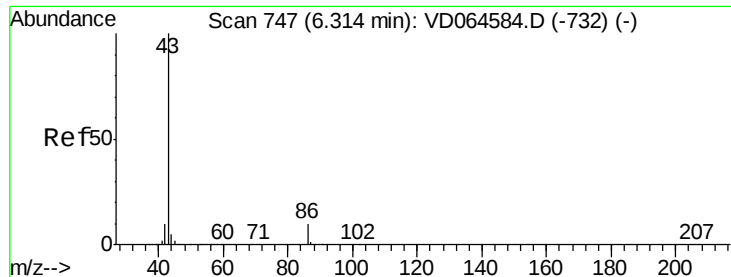
87 26.5 21.9 32.9

59 11.6 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: 102.308 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

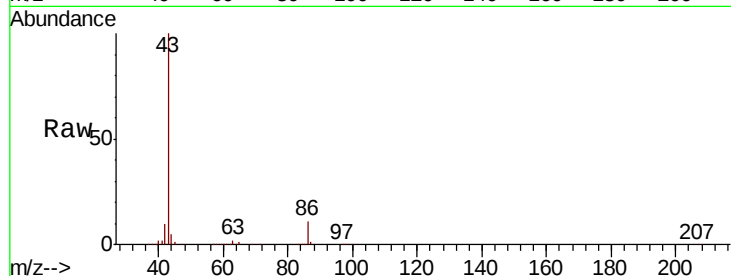
ClientSampleId :

Tot Ion: 43 Resp: 651094

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

200000

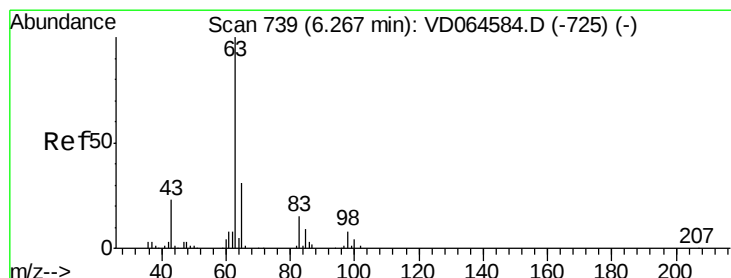
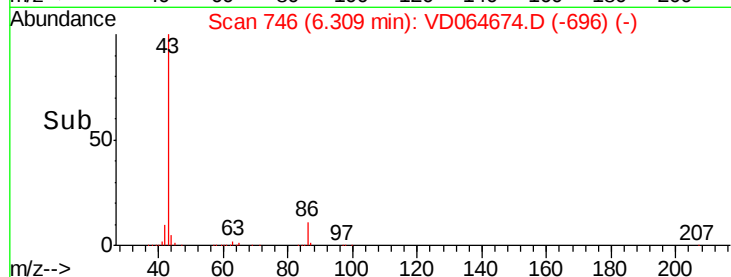
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.244 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

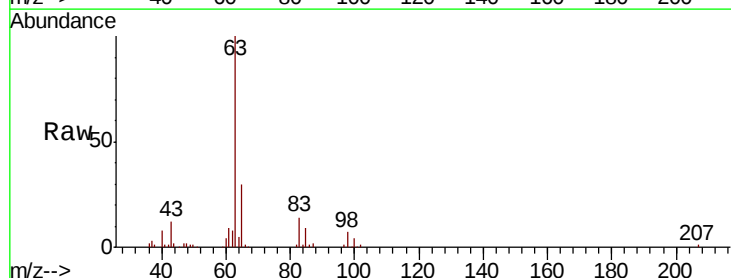
Tgt Ion: 63 Resp: 143078

Ion Ratio Lower Upper

63 100

98 7.1 4.1 12.3

100 4.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

60000

50000

40000

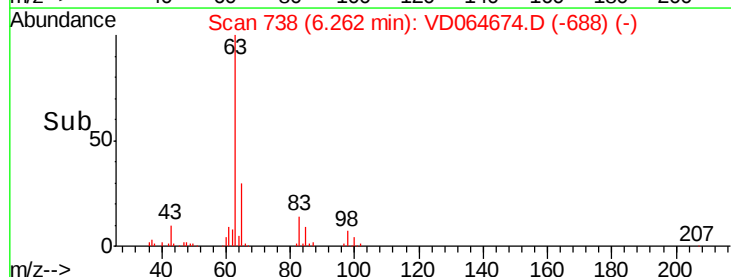
30000

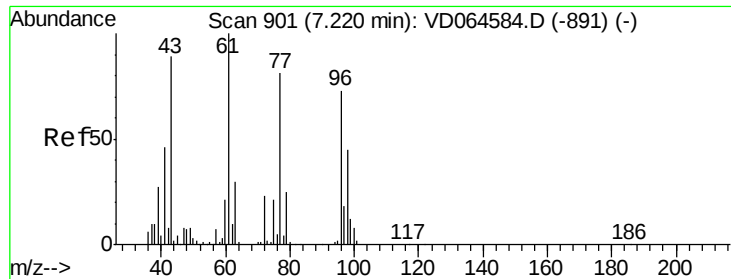
20000

10000

0

Time--> 6.20 6.30 6.40





#25

2-Butanone

Concen: 105.564 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

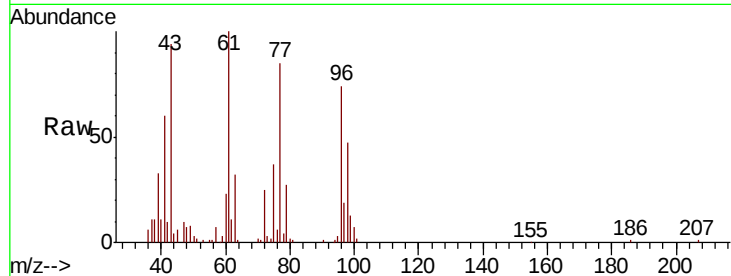
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 104919

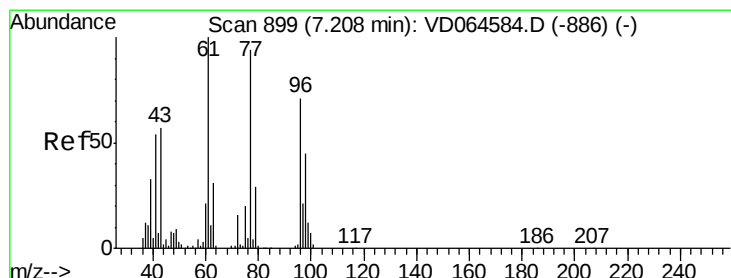
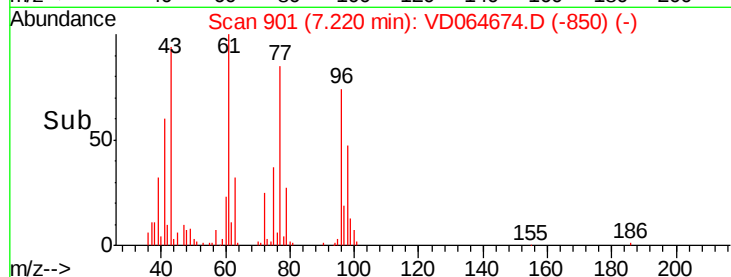
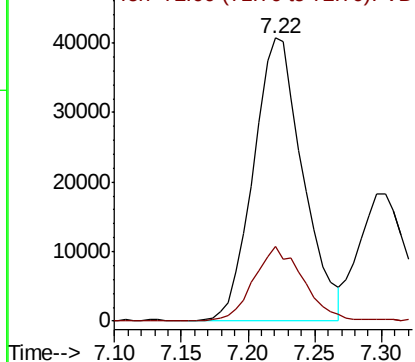
Ion Ratio Lower Upper

43 100

72 26.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.345 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064674.D

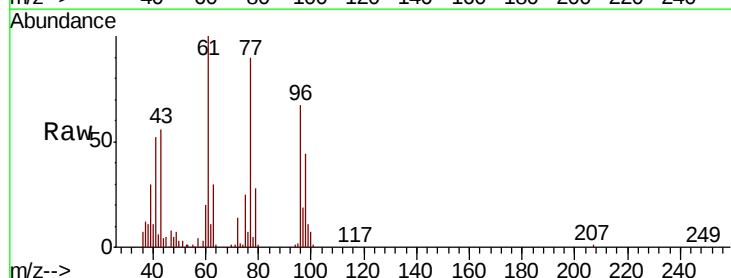
Acq: 30 Dec 2019 13:14

Tgt Ion: 77 Resp: 133660

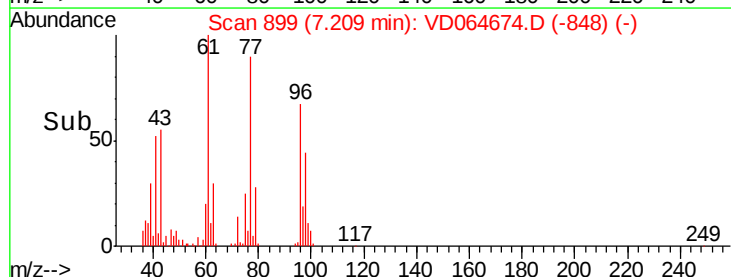
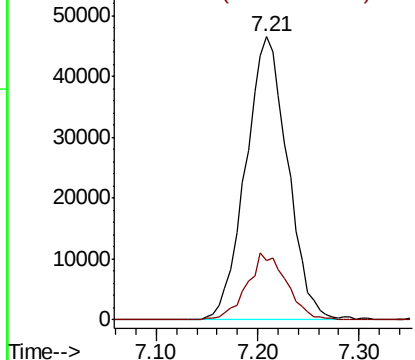
Ion Ratio Lower Upper

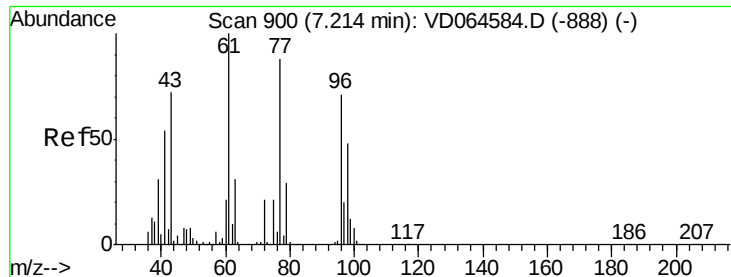
77 100

97 22.3 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



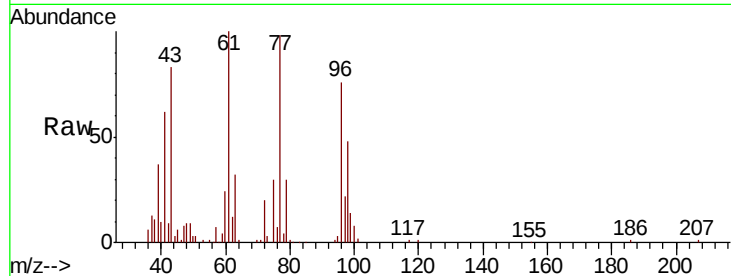


#27

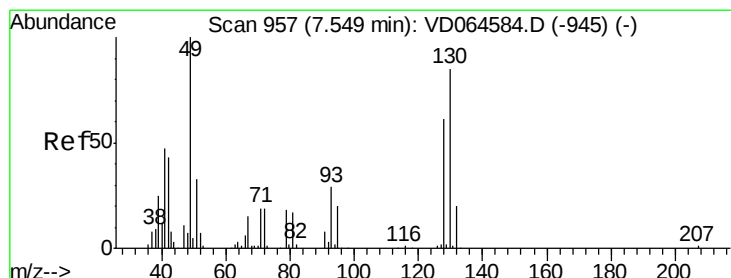
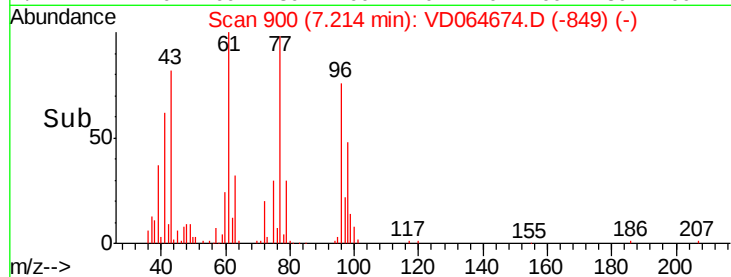
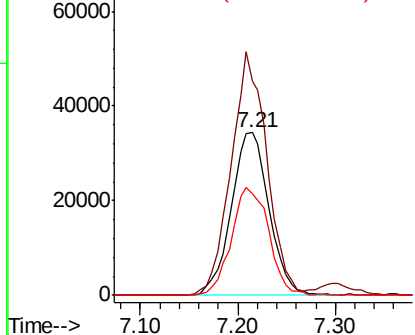
cis-1,2-Dichloroethene
 Concen: 20.963 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	282.6
98	65.6	0.0	130.8



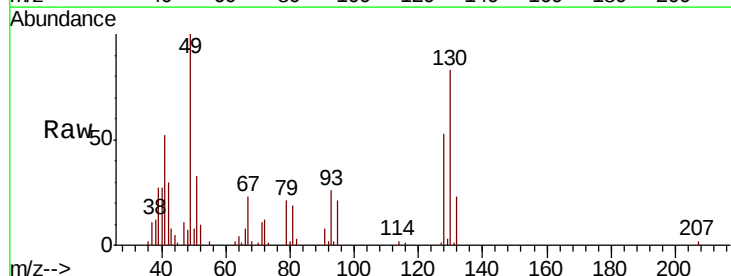
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



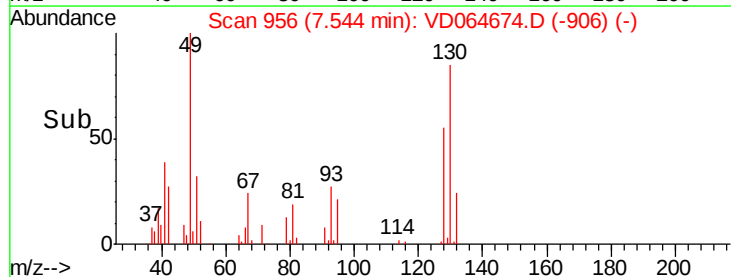
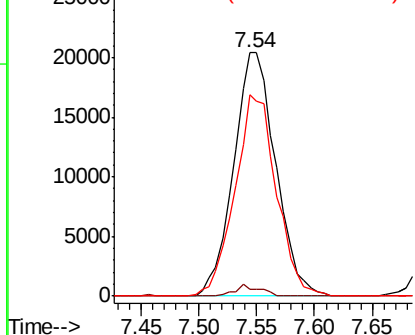
#28

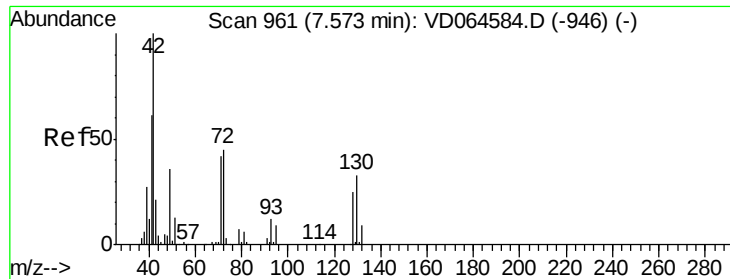
Bromochloromethane
 Concen: 19.709 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	81.5	65.0	97.6



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

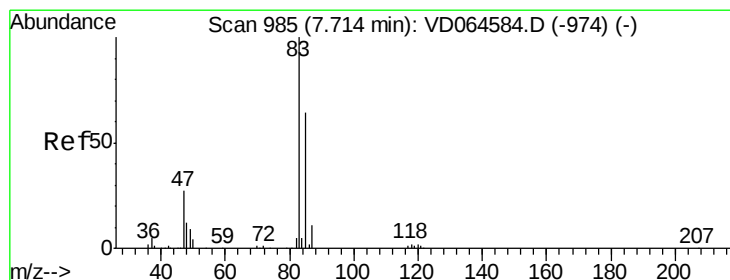
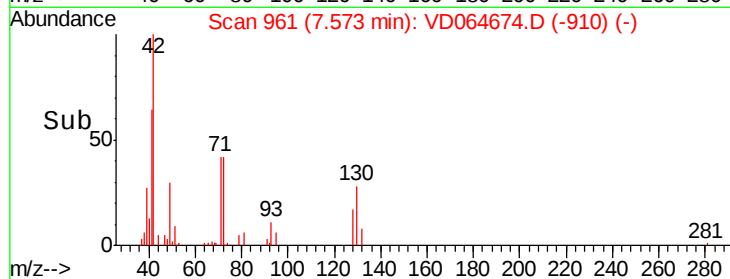
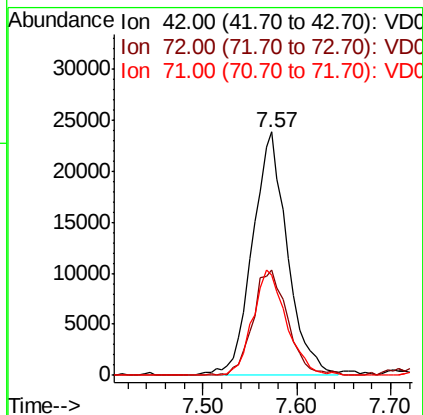
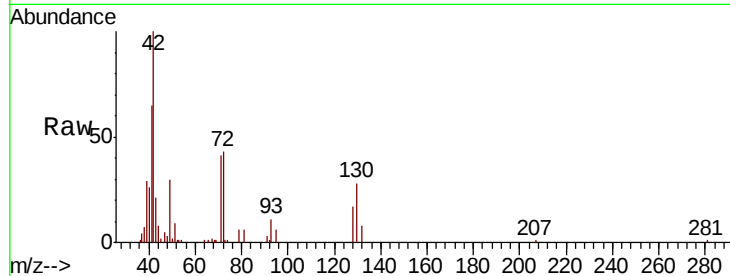




#29
Tetrahydrofuran
Concen: 99.272 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

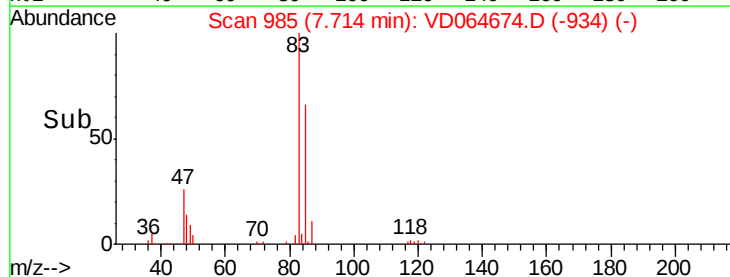
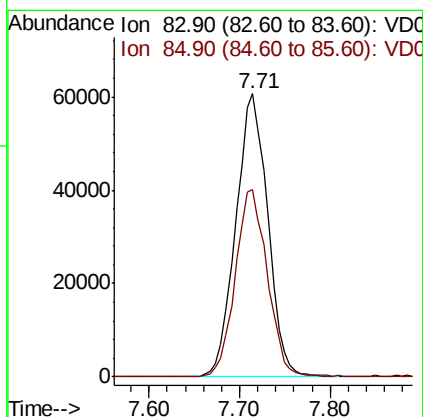
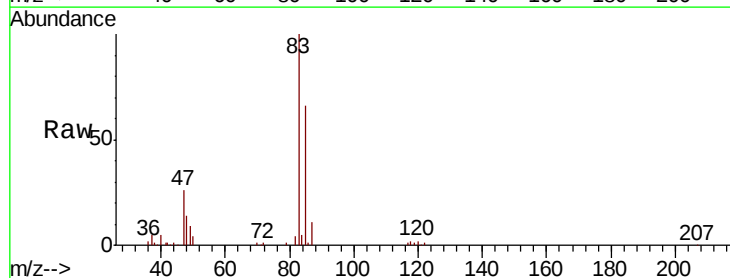
Instrument :
MSVOA_D
ClientSampleId :

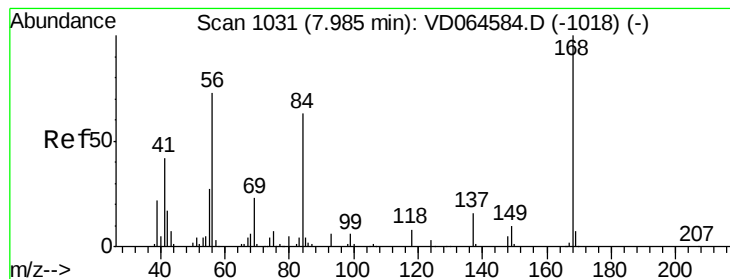
Tot Ion: 42 Resp: 61358
Ion Ratio Lower Upper
42 100
72 43.0 35.0 52.4
71 41.7 32.9 49.3



#30
Chloroform
Concen: 21.028 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 83 Resp: 148585
Ion Ratio Lower Upper
83 100
85 66.3 51.1 76.7





#31

Cyclohexane

Concen: 20.945 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

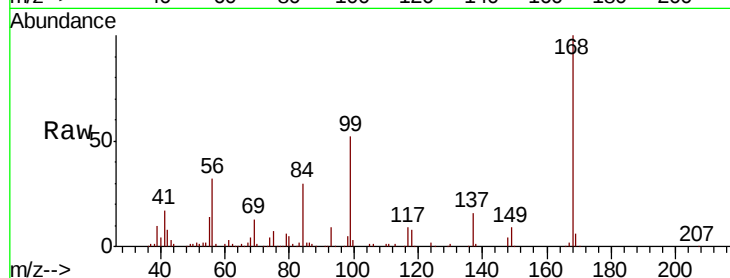
Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

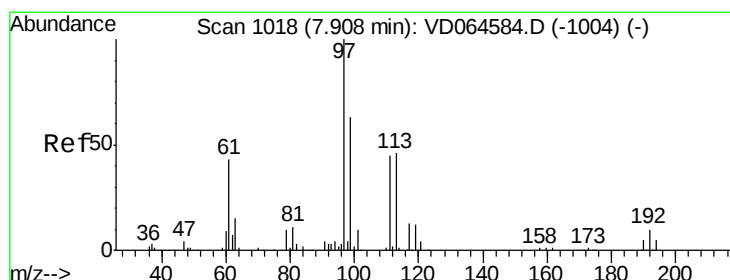
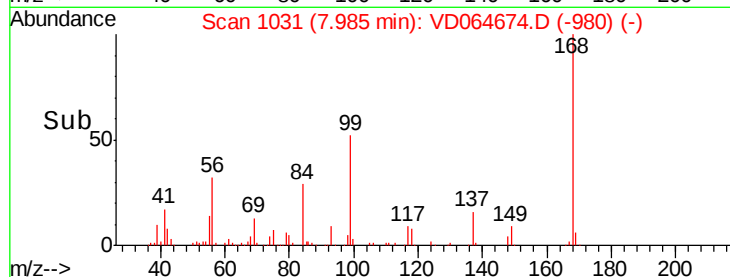
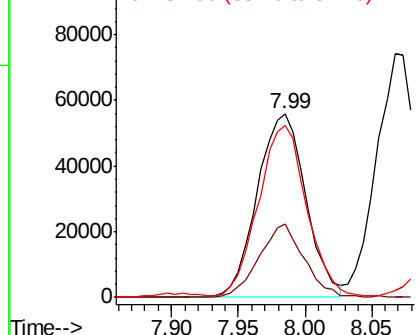
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 141204

Ion	Ratio	Lower	Upper
56	100		
69	39.7	24.7	37.1#
84	92.5	69.4	104.2



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



#32

1,1,1-Trichloroethane

Concen: 21.335 ug/l

RT: 7.90 min Scan# 1017

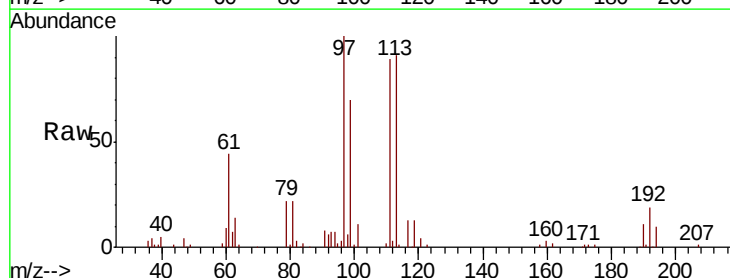
Delta R.T. -0.01 min

Lab File: VD064674.D

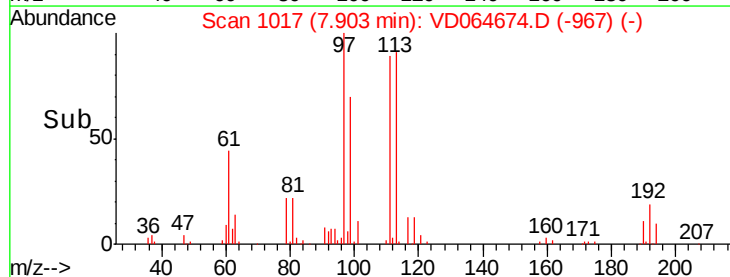
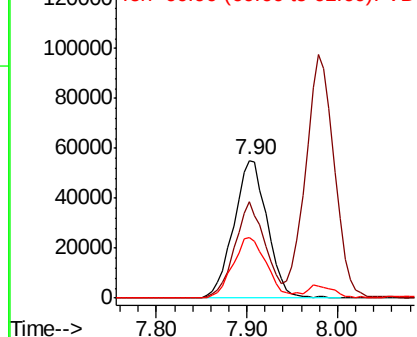
Acq: 30 Dec 2019 13:14

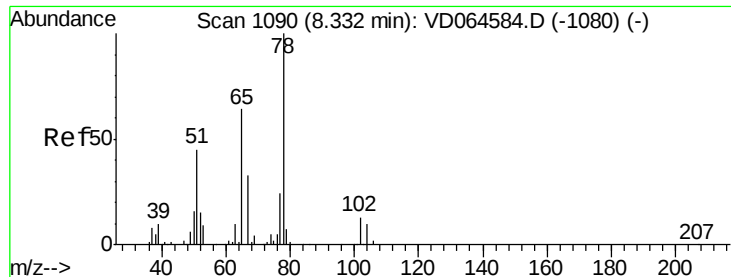
Tgt Ion: 97 Resp: 141601

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	44.1	35.4	53.0



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





#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

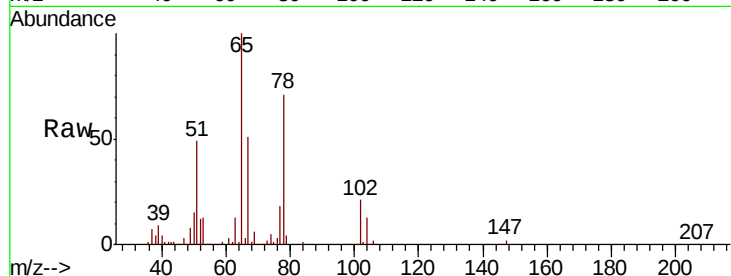
ClientSampleId :

Tot Ion: 65 Resp: 193856

Ion Ratio Lower Upper

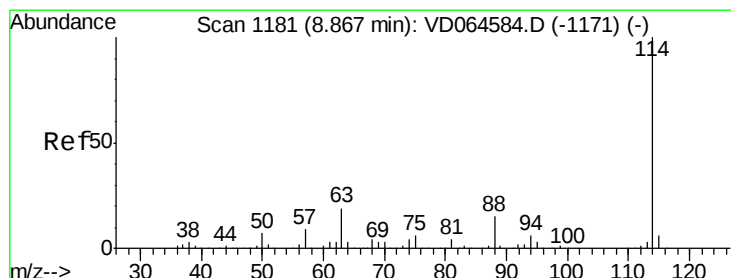
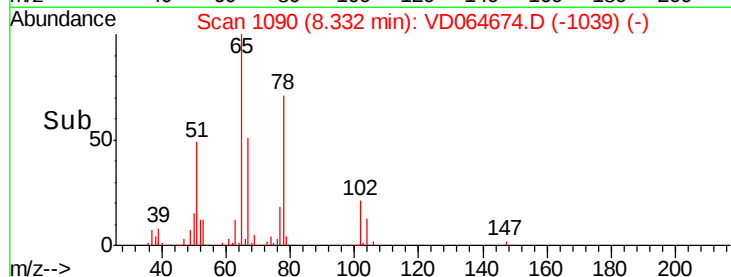
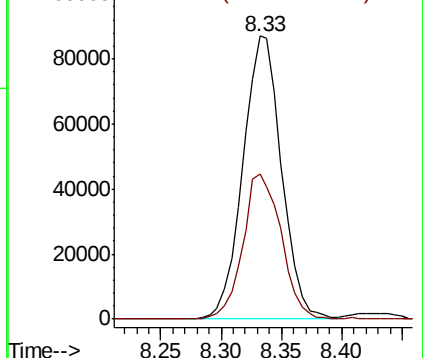
65 100

67 51.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

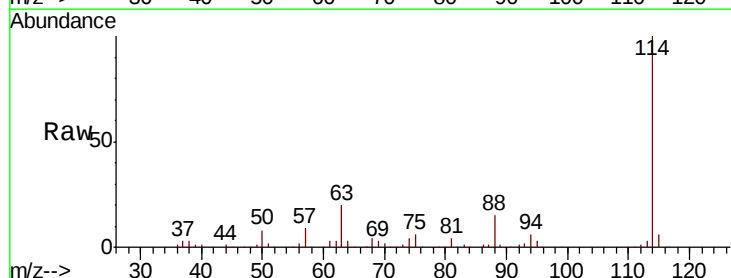
Tgt Ion: 114 Resp: 596595

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

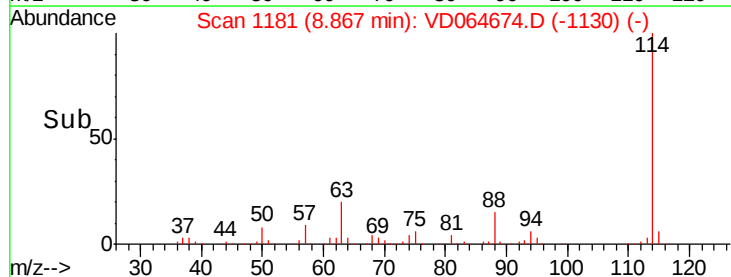
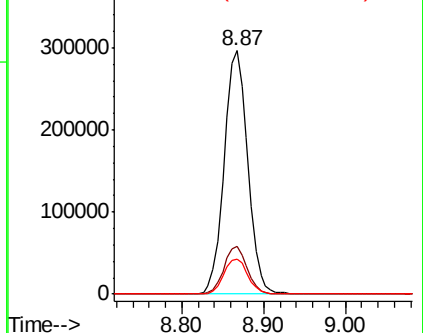
88 14.6 0.0 29.2

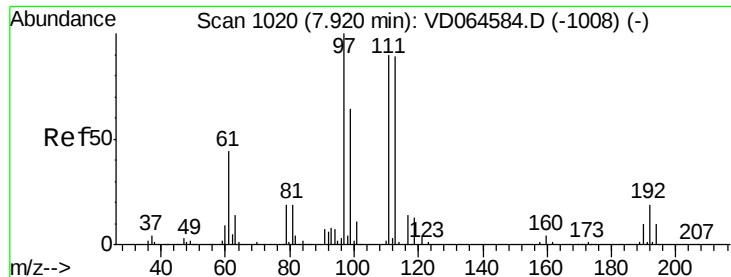


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

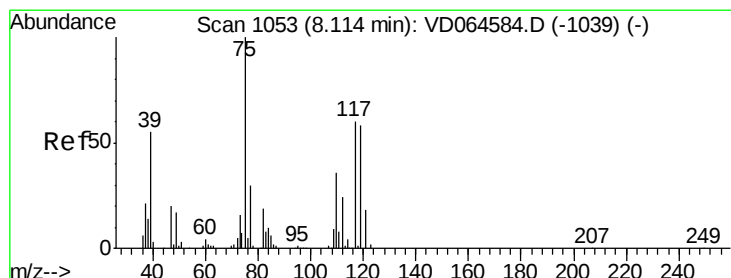
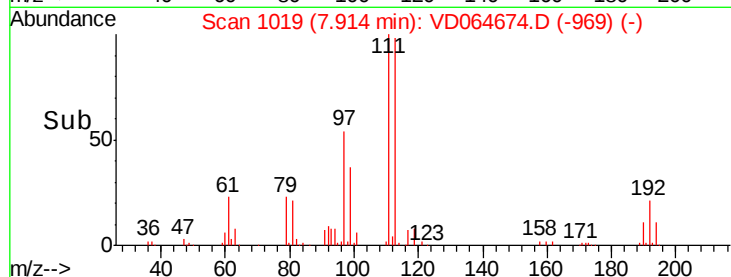
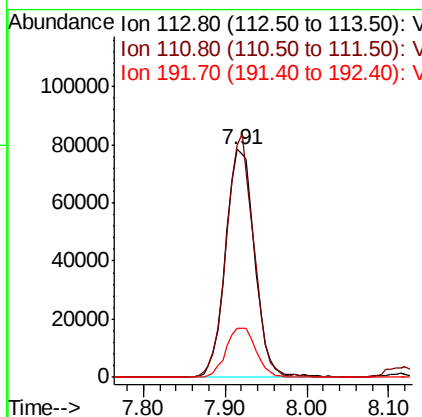
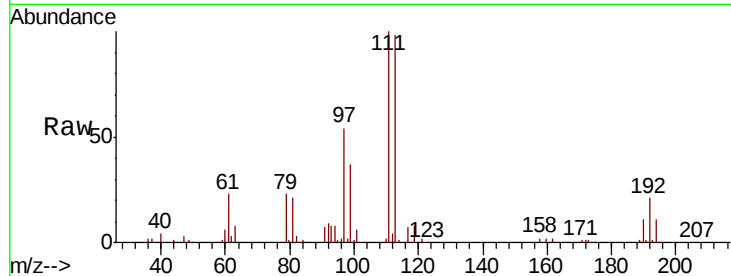




#35
 Dibromofluoromethane
 Concen: 53.205 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

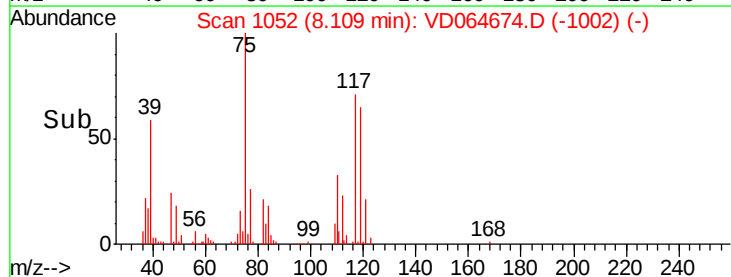
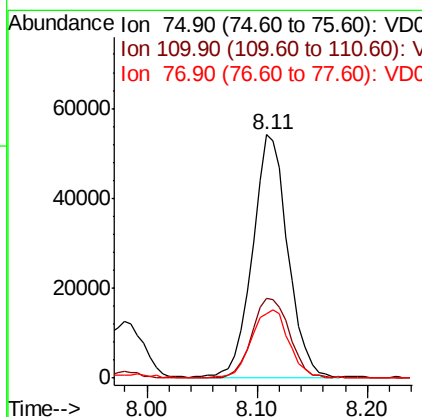
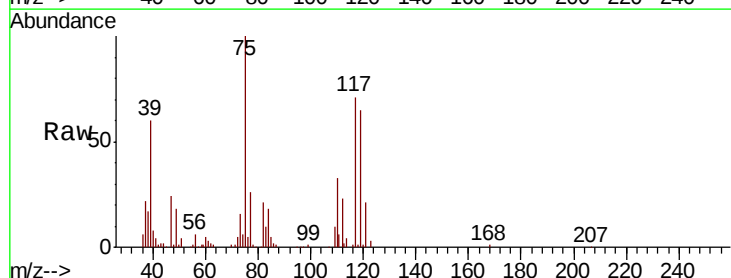
Instrument :
 MSVOA_D
 ClientSampleId :

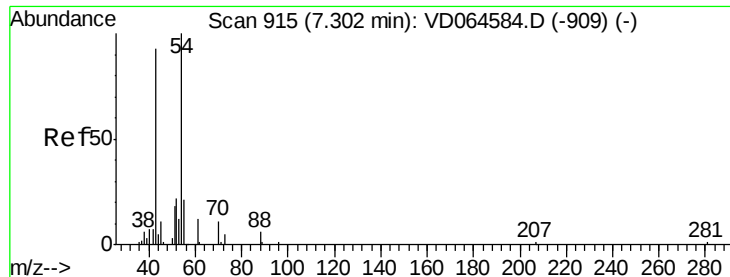
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.6	121.0
192	22.2	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 21.263 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.1	54.1
77	29.5	24.2	36.4

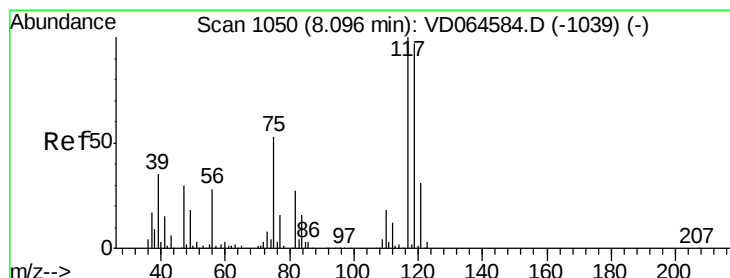
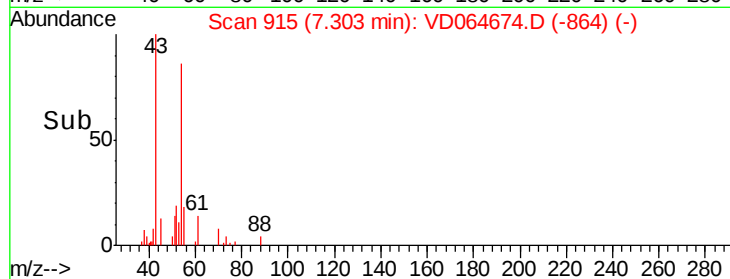
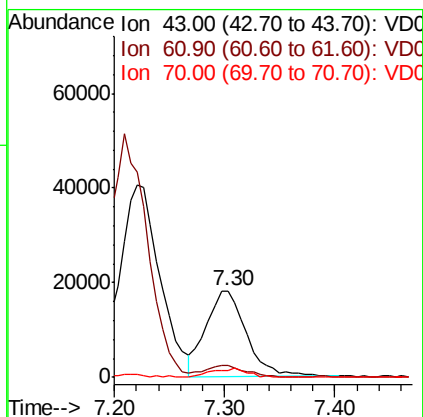
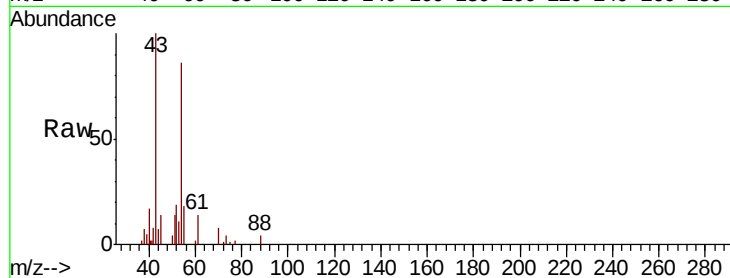




#37
Ethyl Acetate
Concen: 20.472 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

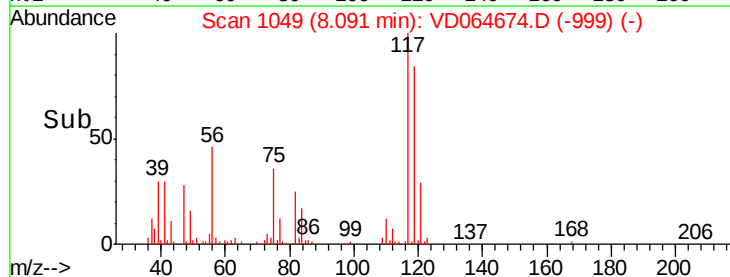
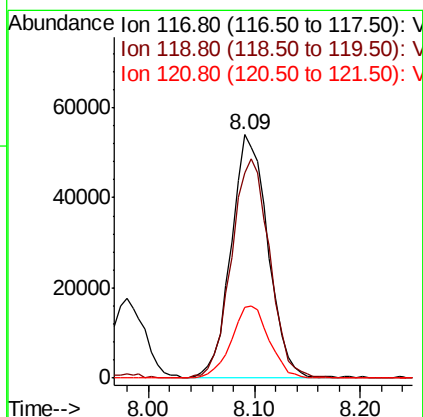
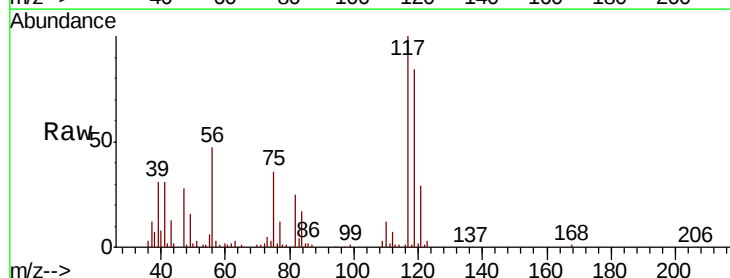
Instrument :
MSVOA_D
ClientSampleId :

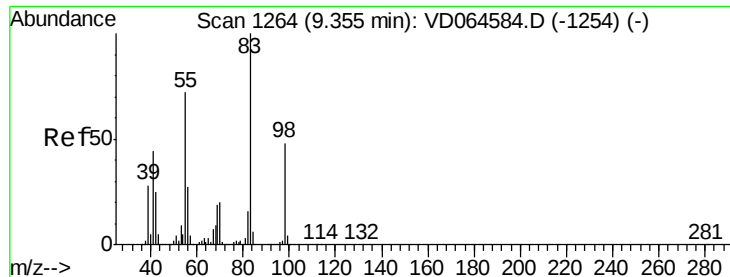
Tot Ion: 43 Resp: 46182
Ion Ratio Lower Upper
43 100
61 12.3 10.3 15.5
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 21.287 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 117 Resp: 130340
Ion Ratio Lower Upper
117 100
119 84.2 77.3 115.9
121 29.0 25.0 37.6

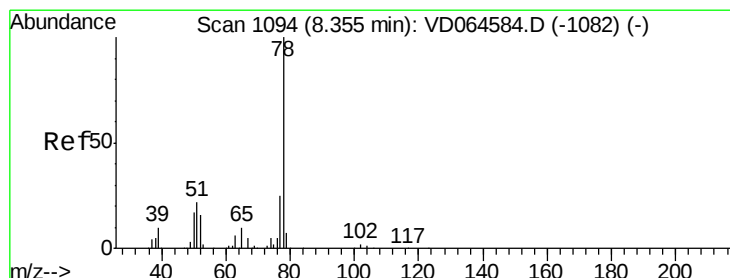
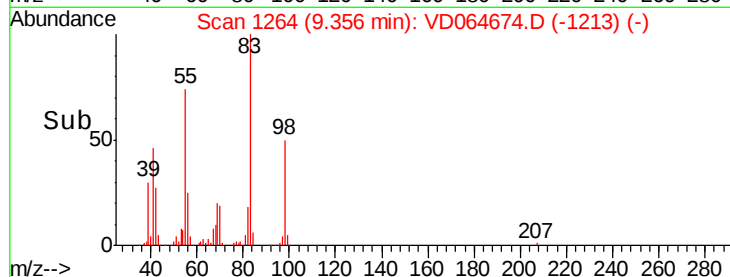
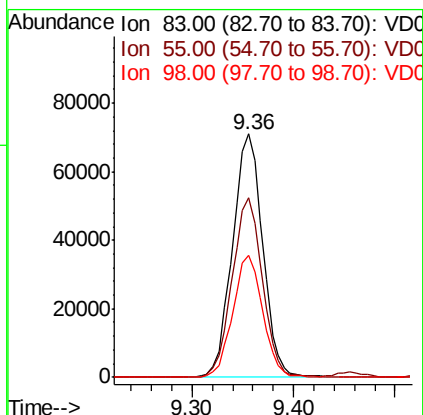
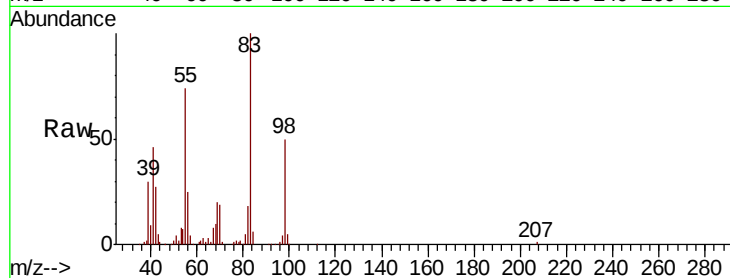




#39
Methvlcvclohexane
Concen: 21.161 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

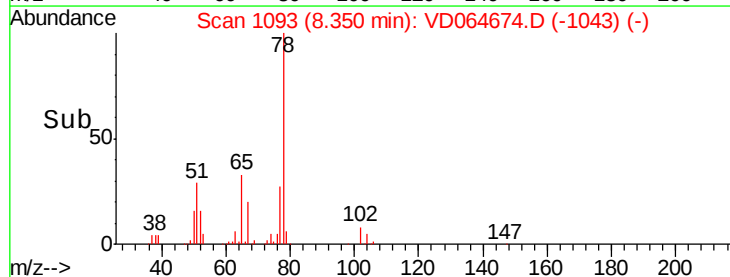
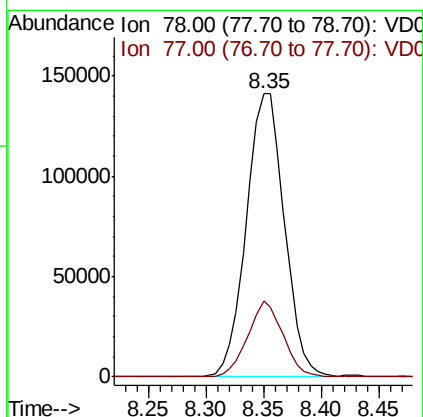
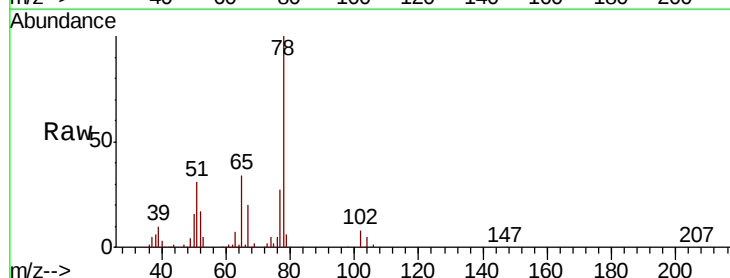
Instrument :
MSVOA_D
ClientSampleId :

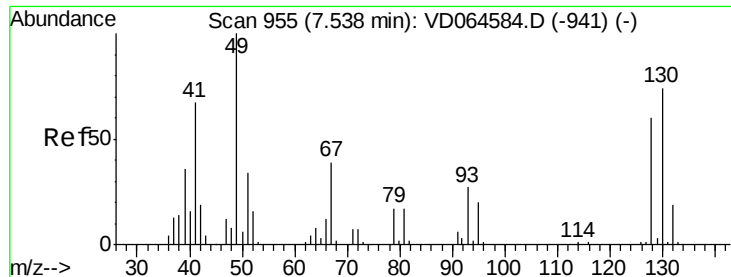
Tot Ion: 83 Resp: 147171
Ion Ratio Lower Upper
83 100
55 73.8 57.8 86.6
98 50.2 38.7 58.1



#40
Benzene
Concen: 20.779 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 78 Resp: 325723
Ion Ratio Lower Upper
78 100
77 26.7 19.9 29.9

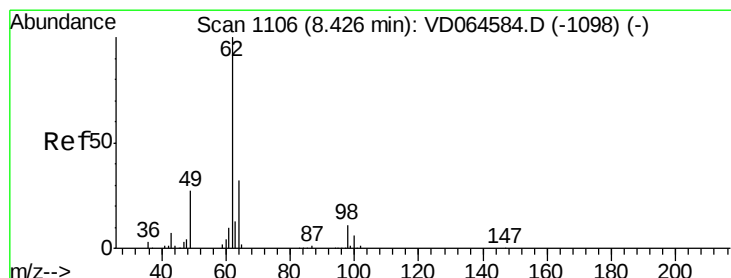
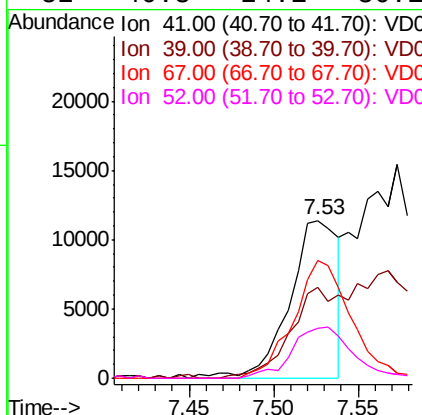
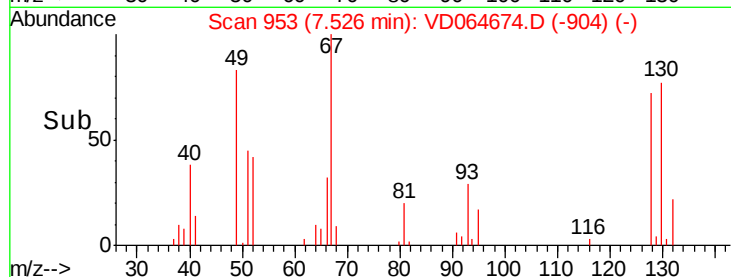
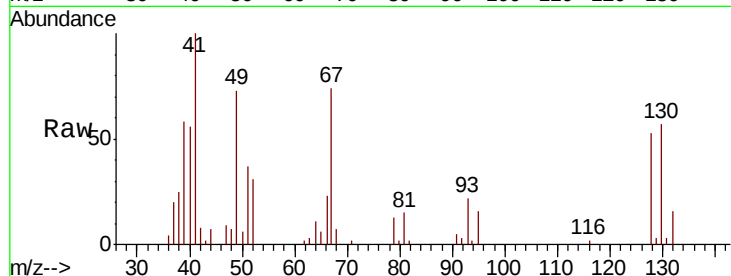




#41
Methacrylonitrile
Concen: 17.371 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

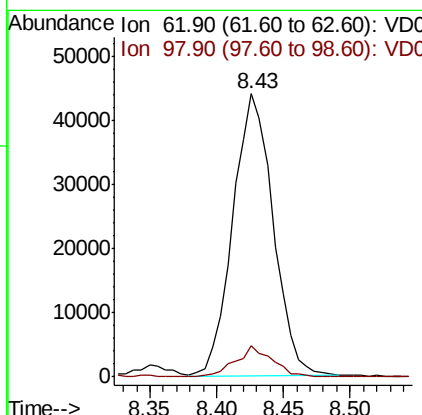
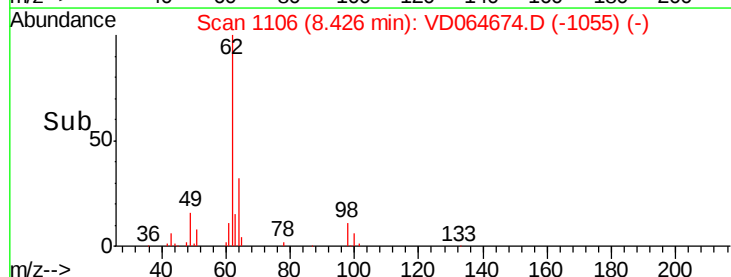
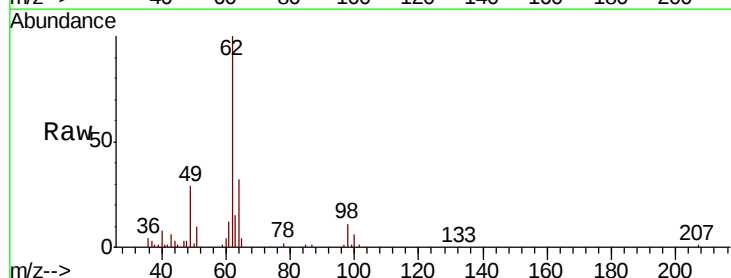
Instrument :
MSVOA_D
ClientSampled :

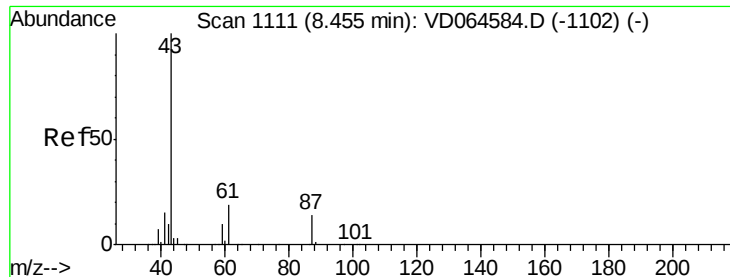
Tot Ion: 41 Resp: 22736
Ion Ratio Lower Upper
41 100
39 46.3 46.7 70.1#
67 86.7 52.5 78.7#
52 40.3 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 20.435 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 62 Resp: 92567
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.0

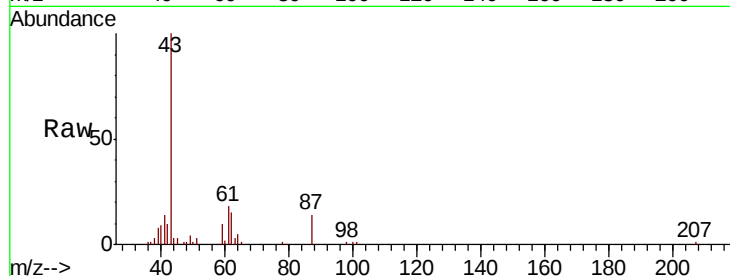




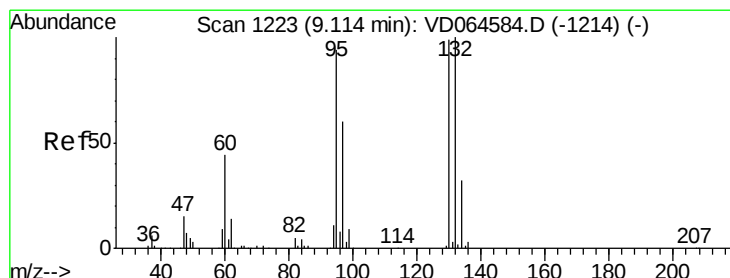
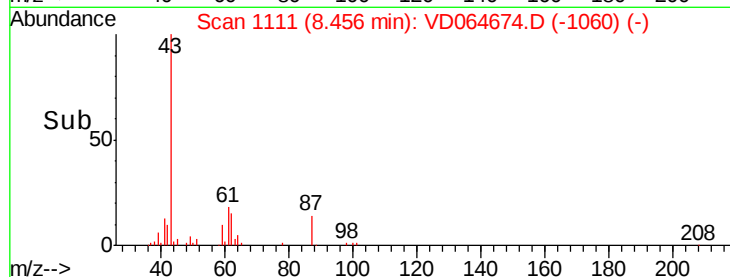
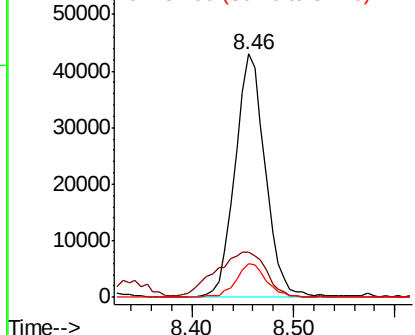
#43
Isopropyl Acetate
Concen: 19.910 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 89399
Ion Ratio Lower Upper
43 100
61 30.8 23.7 35.5
87 13.7 10.5 15.7

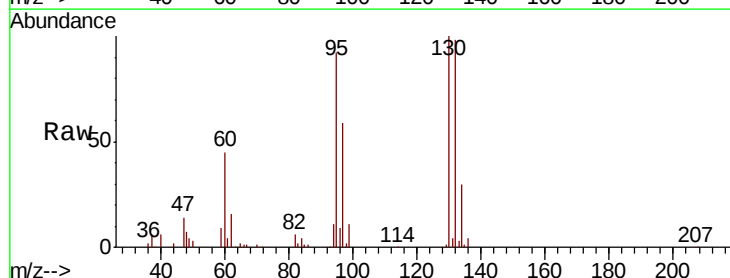


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

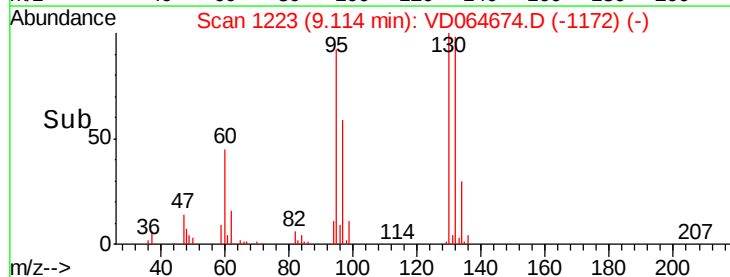
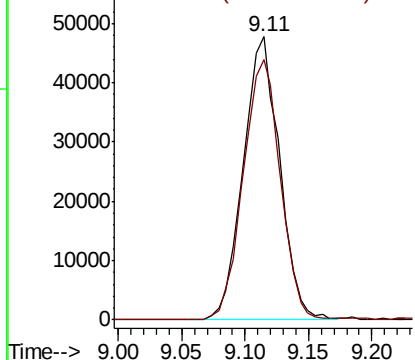


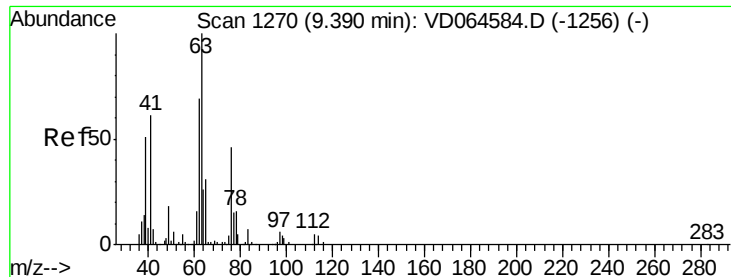
#44
Trichloroethene
Concen: 20.702 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:130 Resp: 95332
Ion Ratio Lower Upper
130 100
95 92.2 0.0 190.2



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

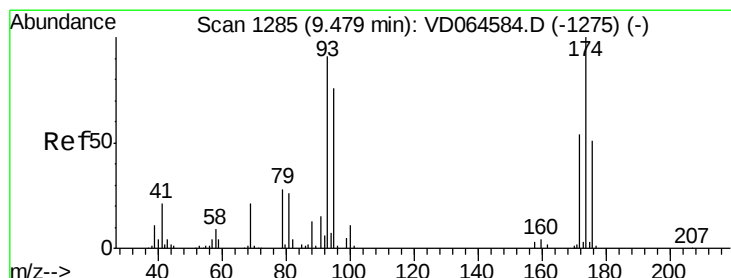
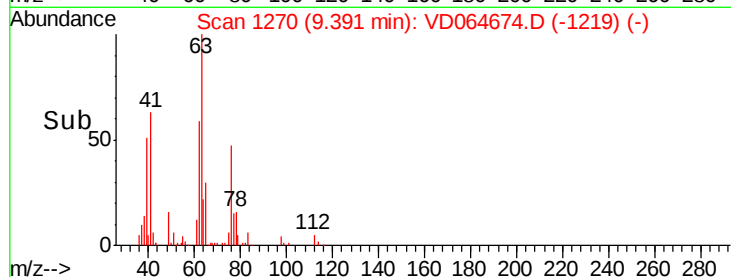
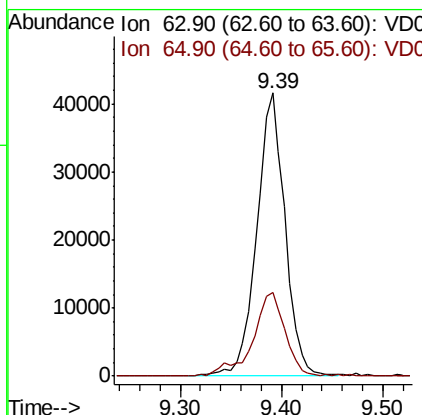
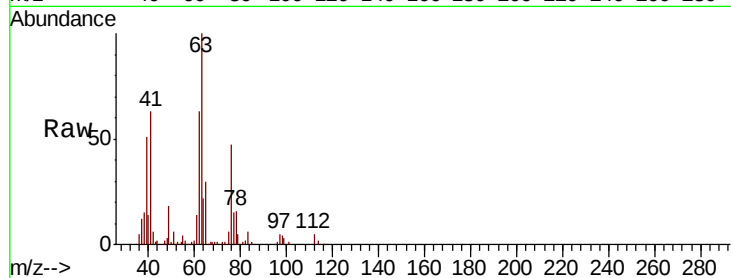




#45
 1,2-Dichloropropane
 Concen: 21.649 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

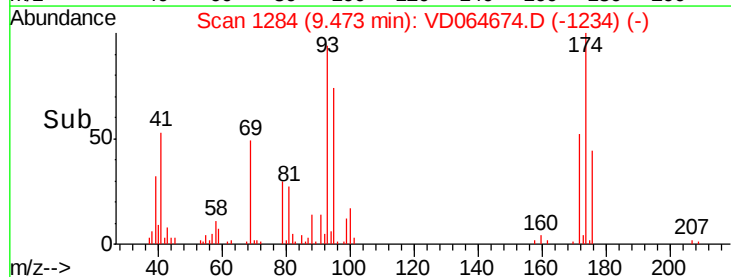
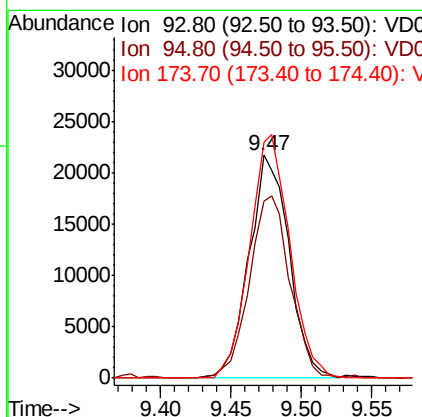
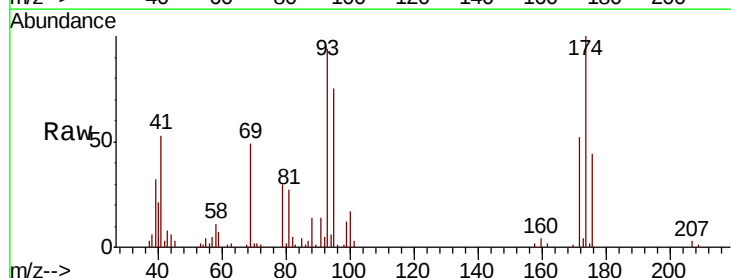
Instrument :
 MSVOA_D
 ClientSampleId :

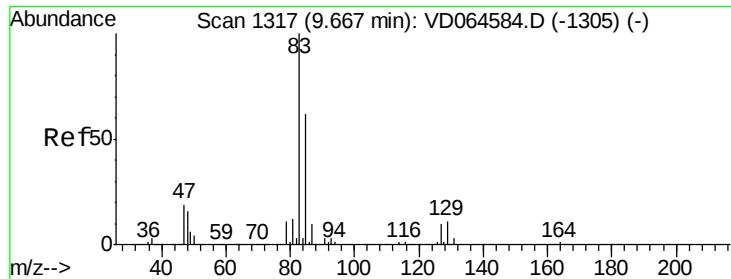
Tot Ion: 63 Resp: 81027
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.2 37.8



#46
 Dibromomethane
 Concen: 20.706 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 93 Resp: 43208
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.6 97.0
 174 109.3 88.1 132.1





#47

Bromodichloromethane

Concen: 20.534 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

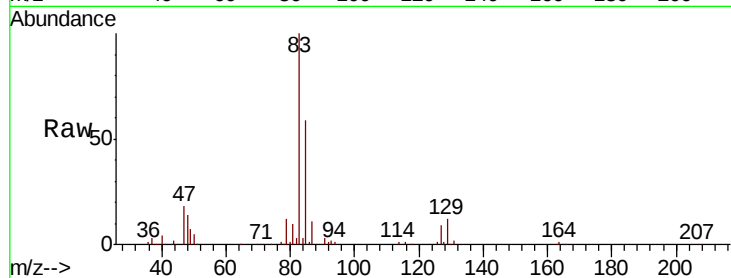
Tot Ion: 83 Resp: 114018

Ion Ratio Lower Upper

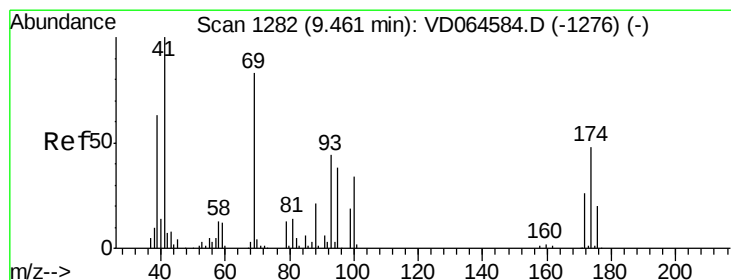
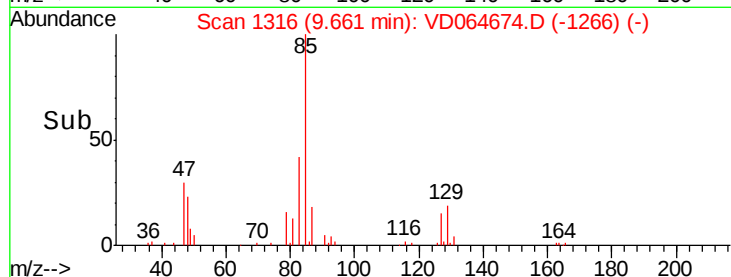
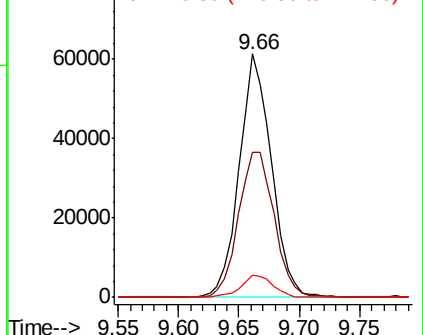
83 100

85 59.4 49.5 74.3

127 8.8 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: 19.304 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

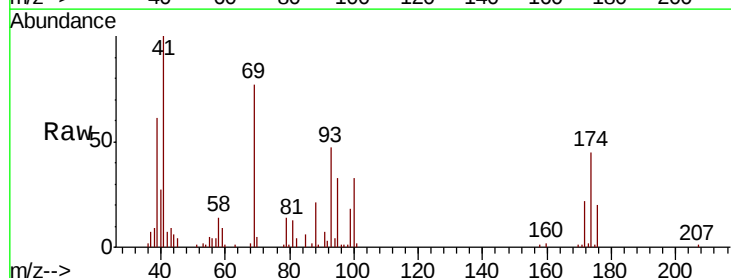
Tgt Ion: 41 Resp: 40811

Ion Ratio Lower Upper

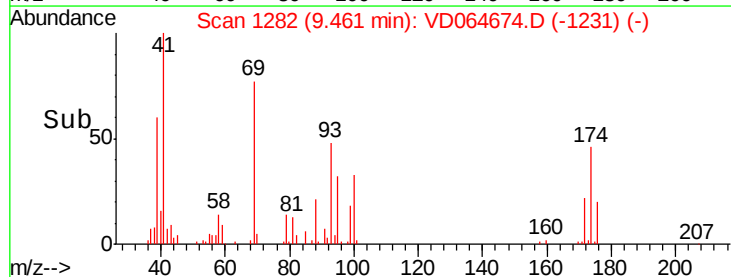
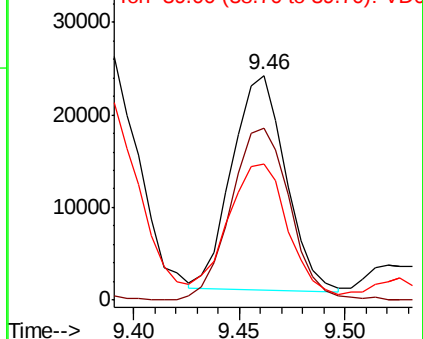
41 100

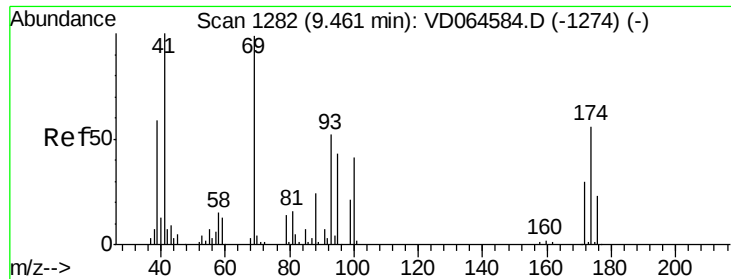
69 88.1 63.0 94.6

39 72.9 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

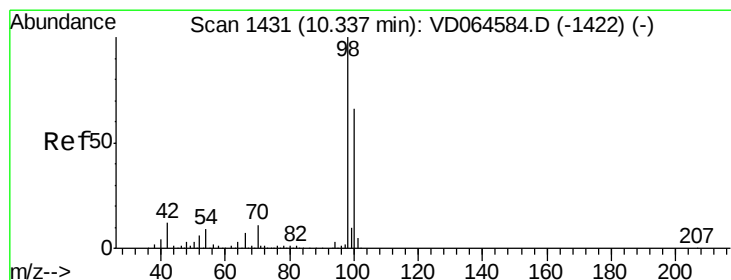
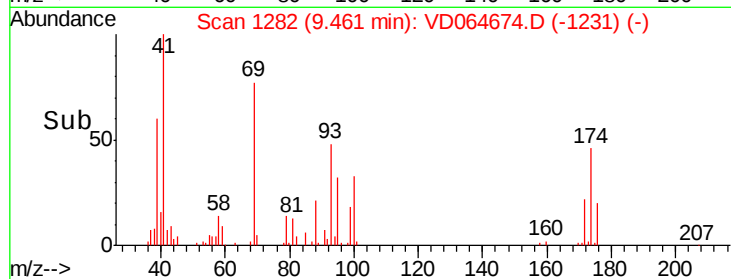
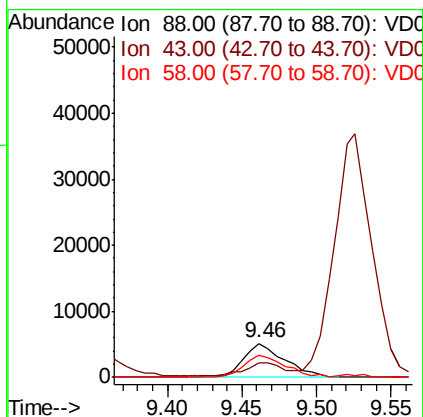
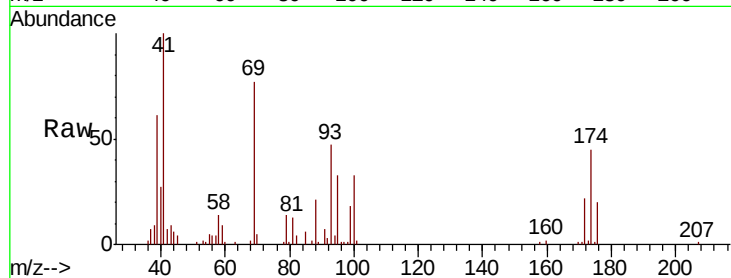




#49
 1,4-Dioxane
 Concen: 403.138 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

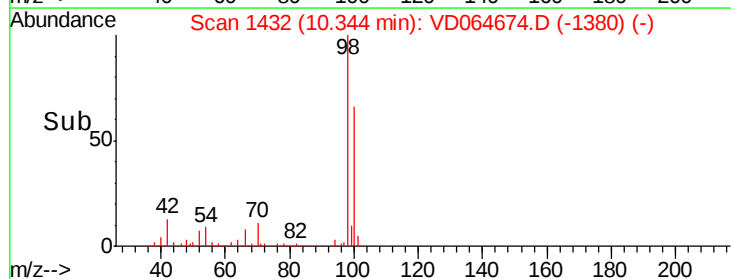
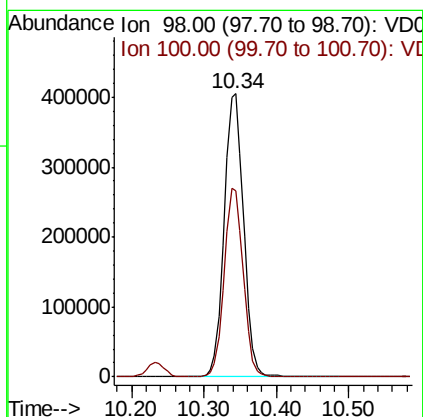
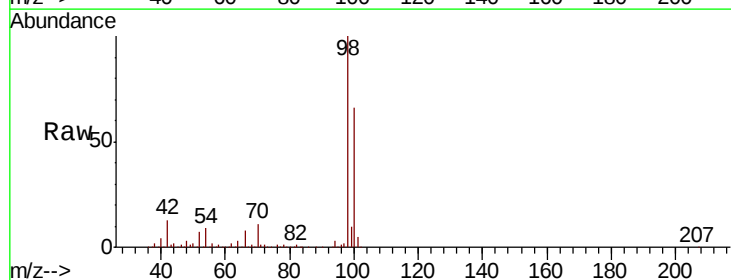
Instrument :
 MSVOA_D
 ClientSampleId :

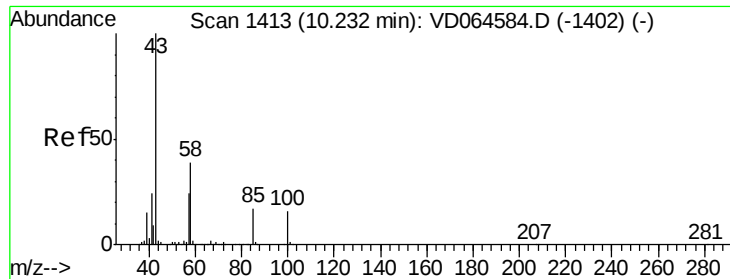
Tot Ion: 88 Resp: 9700
 Ion Ratio Lower Upper
 88 100
 43 36.5 27.7 41.5
 58 66.2 53.8 80.6



#50
 Toluene-d8
 Concen: 53.657 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 98 Resp: 752176
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.7 77.5

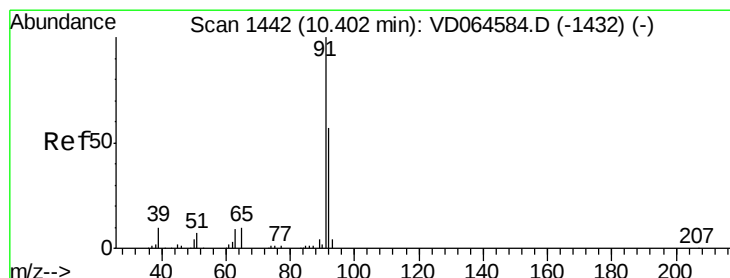
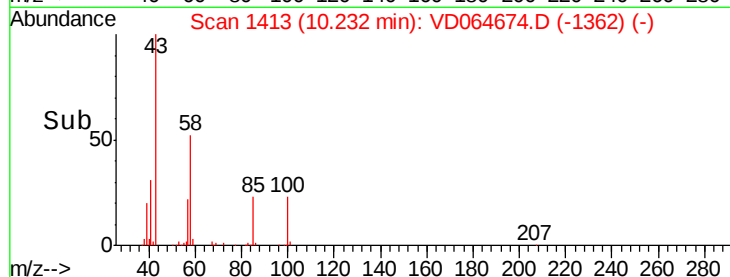
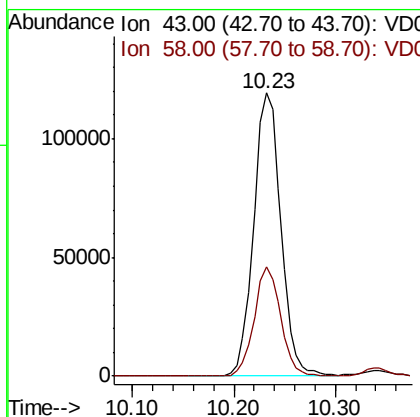
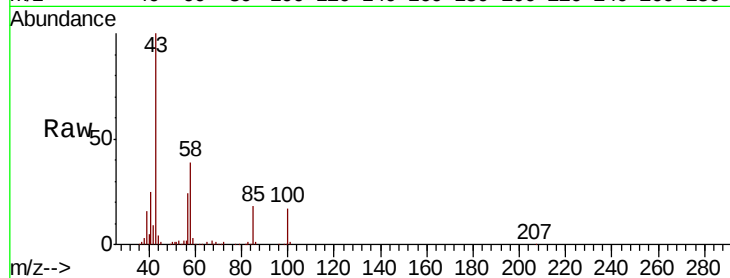




#51
 4-Methyl-2-Pentanone
 Concen: 100.293 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

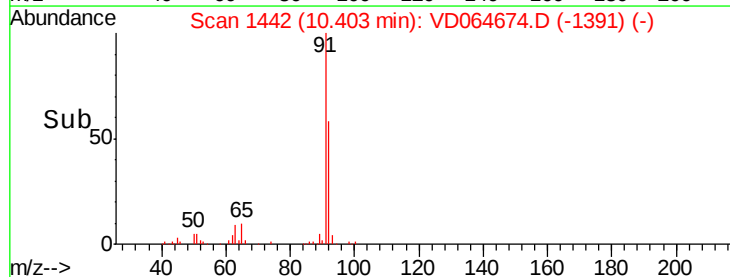
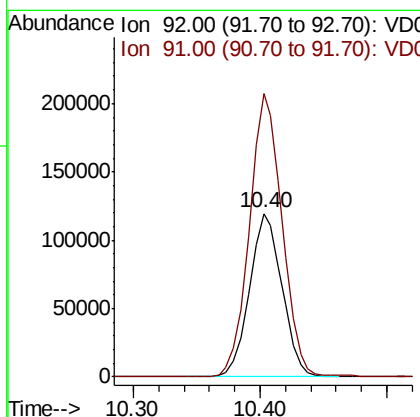
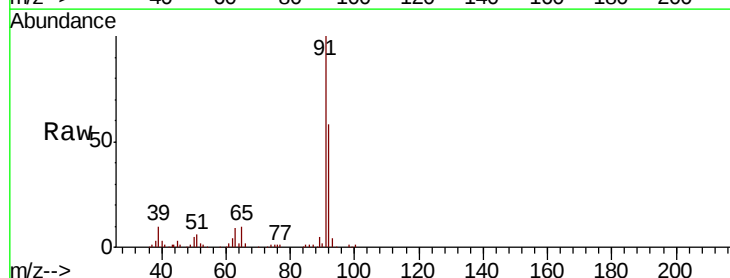
Instrument :
 MSVOA_D
 ClientSampleID :

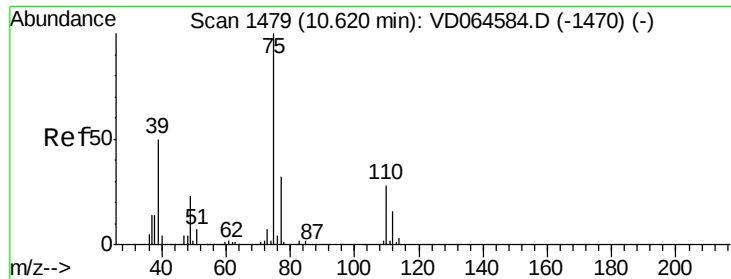
Tot Ion: 43 Resp: 222583
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.2



#52
 Toluene
 Concen: 20.716 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 92 Resp: 213053
 Ion Ratio Lower Upper
 92 100
 91 173.9 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.909 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

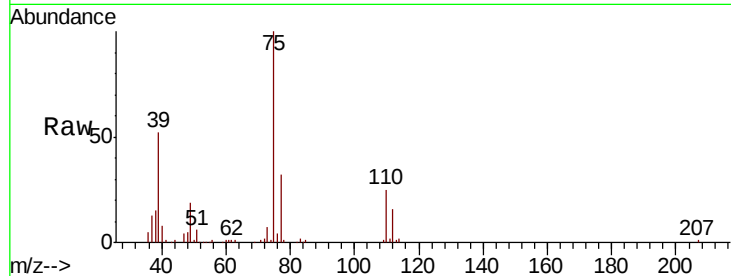
ClientSampleId :

Tot Ion: 75 Resp: 108243

Ion Ratio Lower Upper

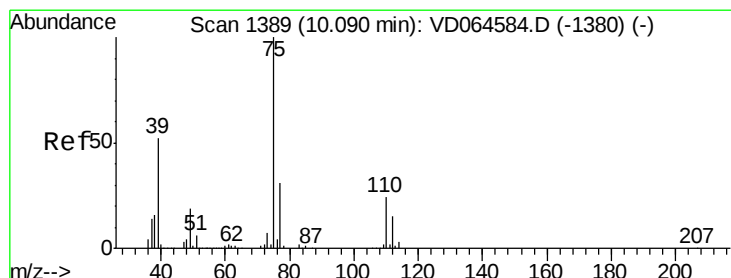
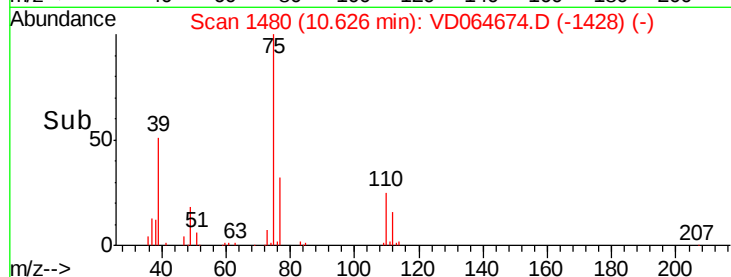
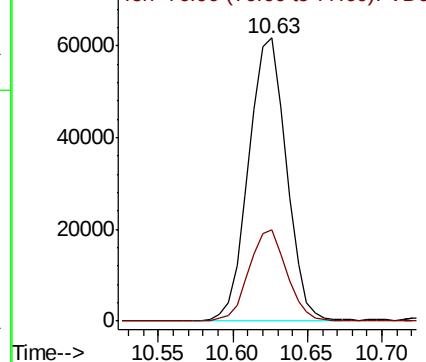
75 100

77 32.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

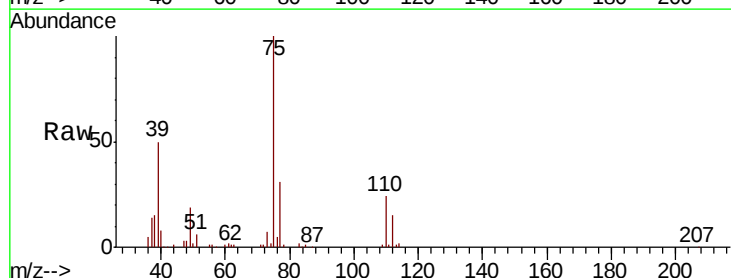
Tgt Ion: 75 Resp: 126726

Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

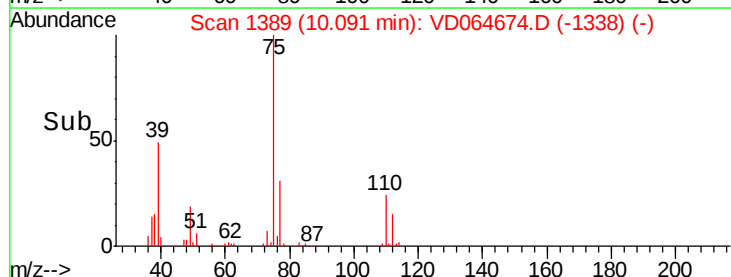
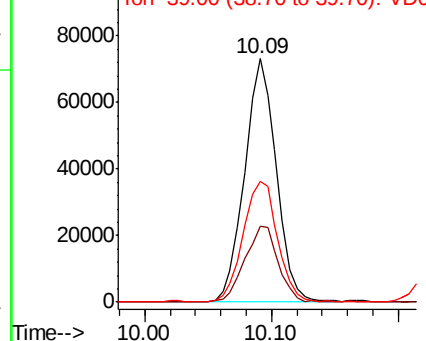
39 49.6 41.4 62.2

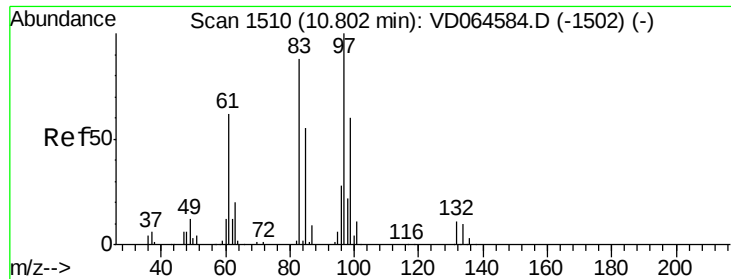


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

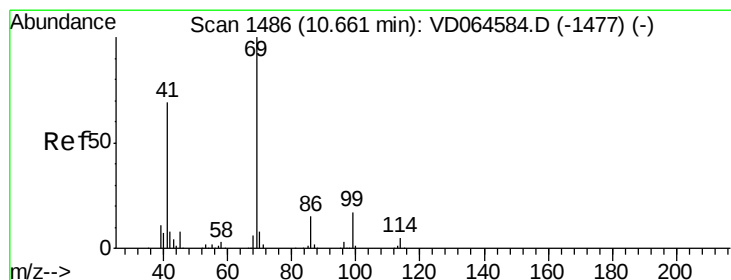
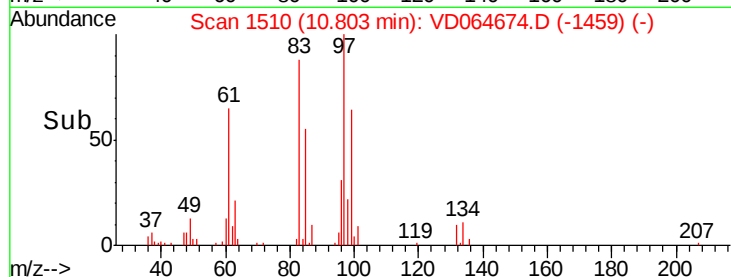
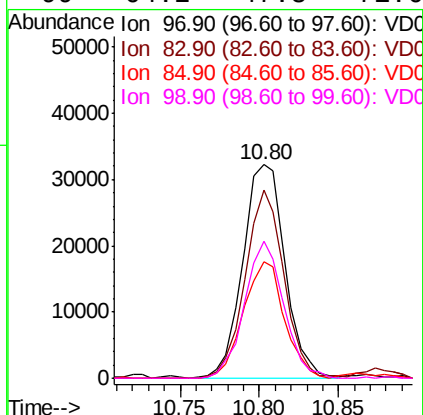
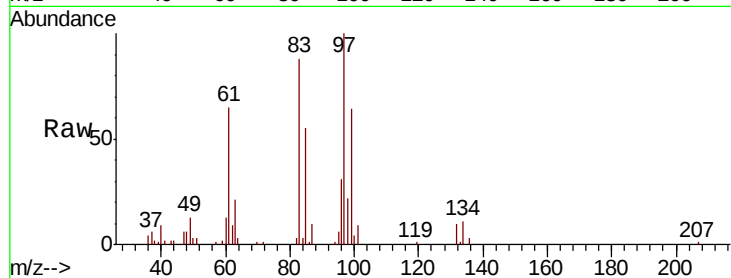




#55
 1,1,2-Trichloroethane
 Concen: 21.277 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

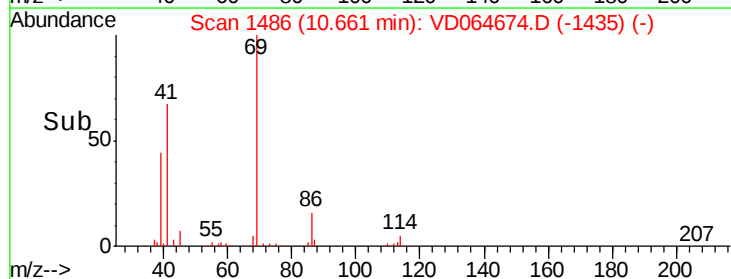
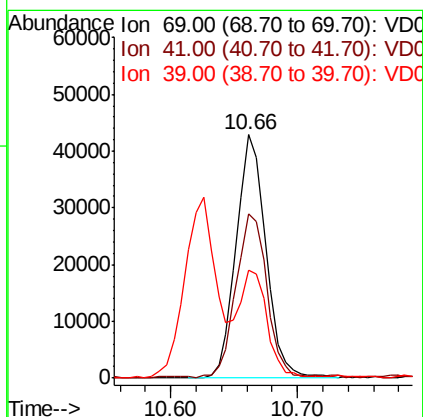
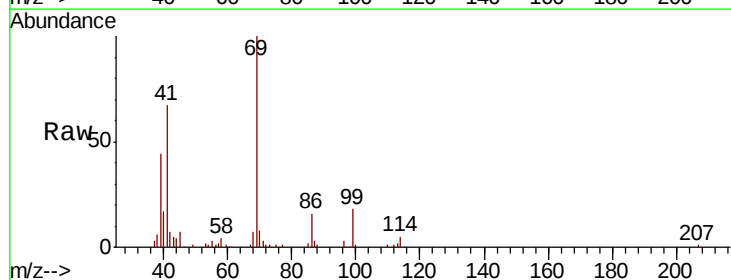
Instrument :
 MSVOA_D
 ClientSampleId :

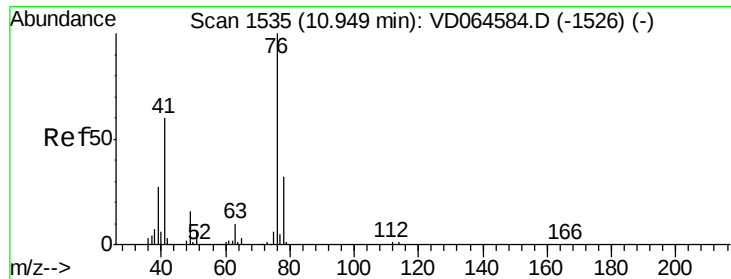
Tot Ion:	97	Resp:	59836
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.2	105.4
85	54.7	44.0	66.0
99	64.2	47.8	71.6



#56
 Ethyl methacrylate
 Concen: 19.948 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion:	69	Resp:	70059
Ion	Ratio	Lower	Upper
69	100		
41	69.0	55.3	82.9
39	42.5	33.8	50.8

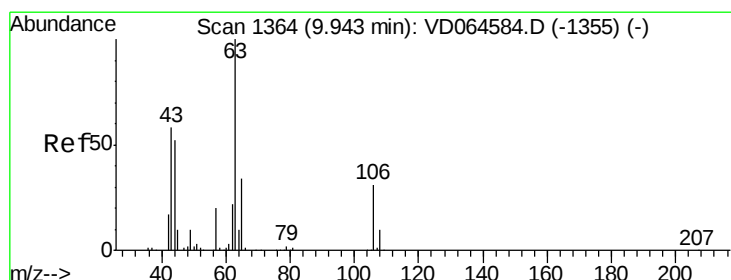
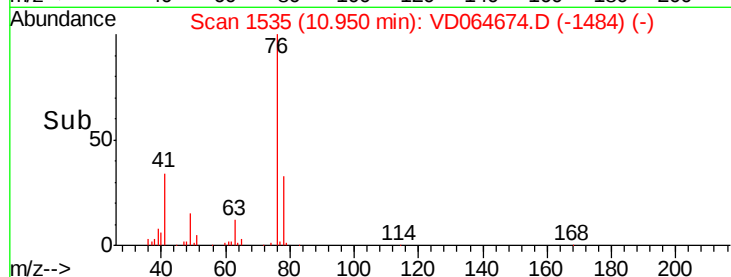
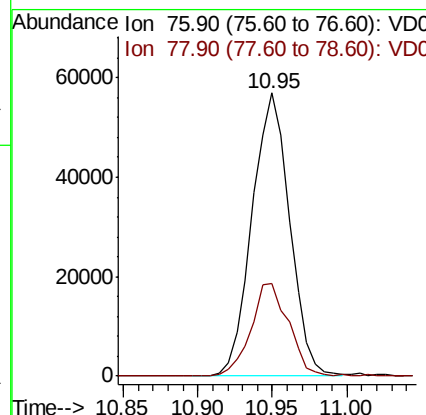
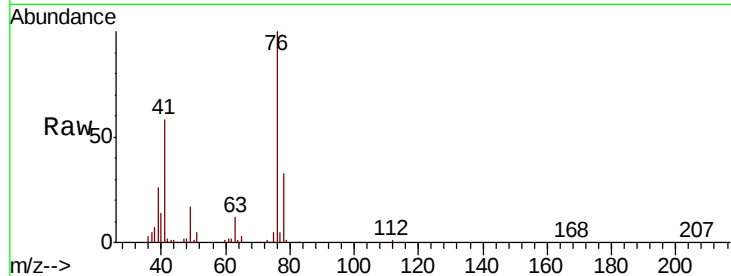




#57
 1,3-Dichloropropane
 Concen: 20.512 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

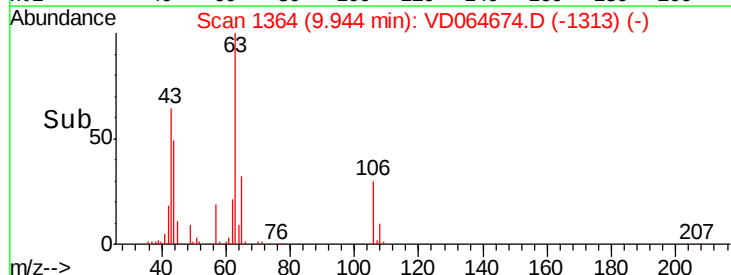
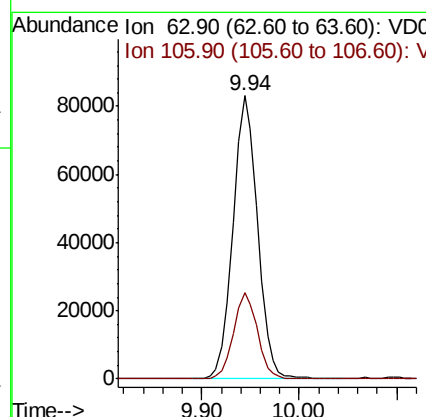
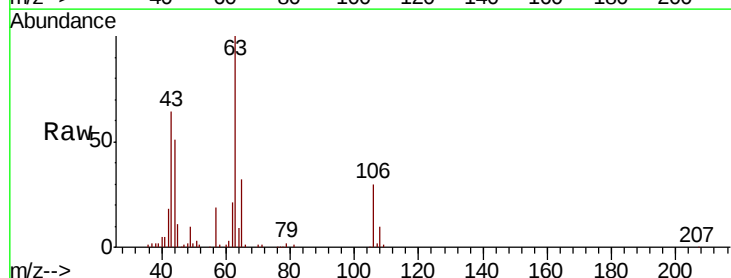
Instrument :
 MSVOA_D
 ClientSampleId :

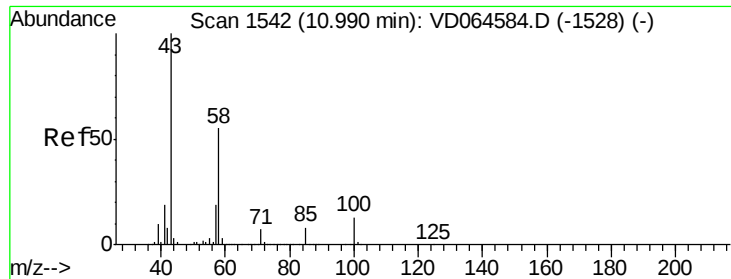
Tot Ion: 76 Resp: 99321
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.623 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion: 63 Resp: 145345
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.8

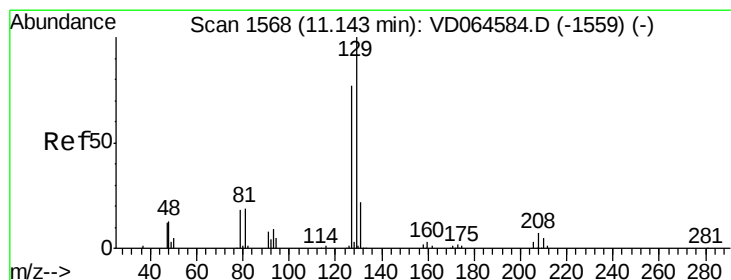
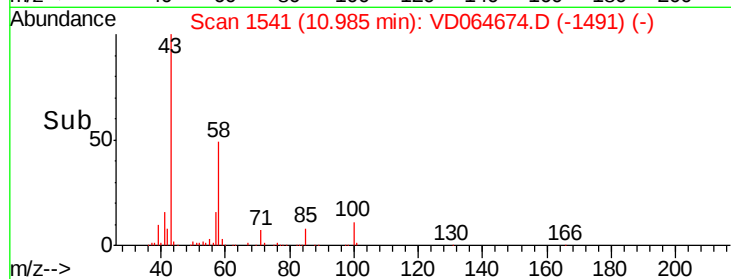
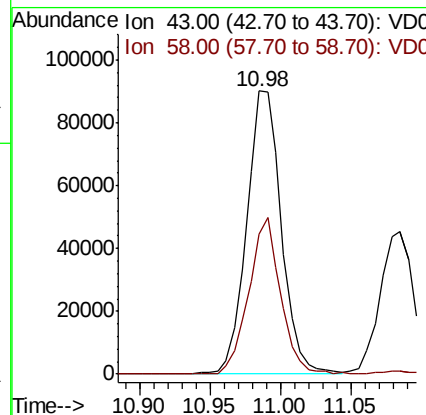
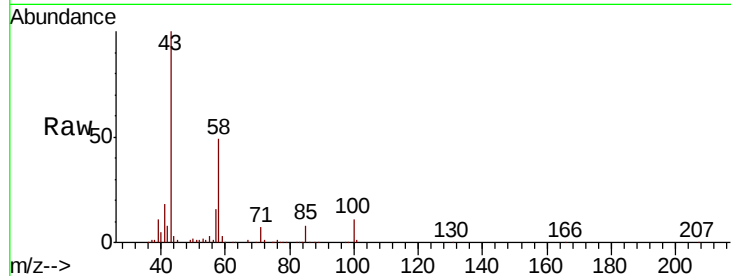




#59
2-Hexanone
Concen: 103.026 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

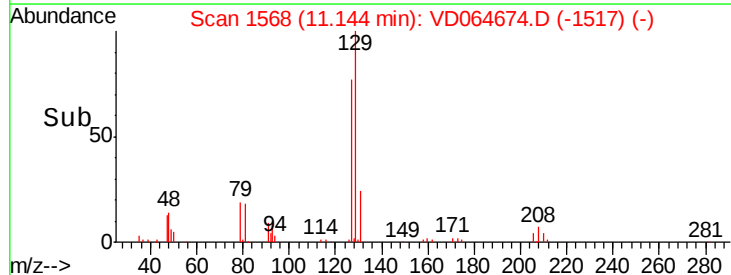
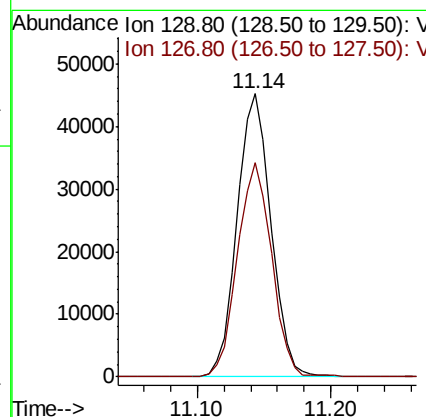
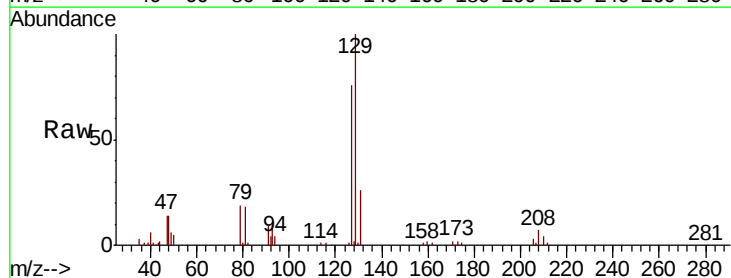
Instrument :
MSVOA_D
ClientSampleId :

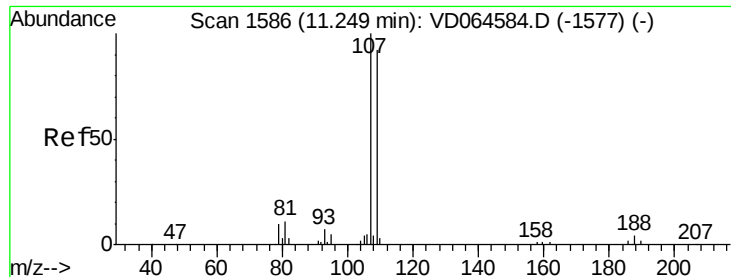
Tot Ion: 43 Resp: 155189
Ion Ratio Lower Upper
43 100
58 51.0 26.4 79.0



#60
Dibromochloromethane
Concen: 20.491 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:129 Resp: 79688
Ion Ratio Lower Upper
129 100
127 76.0 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.198 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

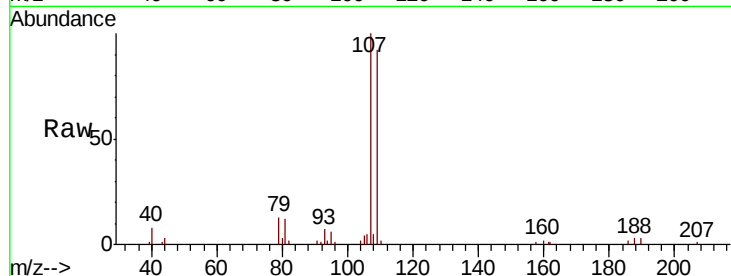
ClientSampleId :

Tot Ion:107 Resp: 56024

Ion Ratio Lower Upper

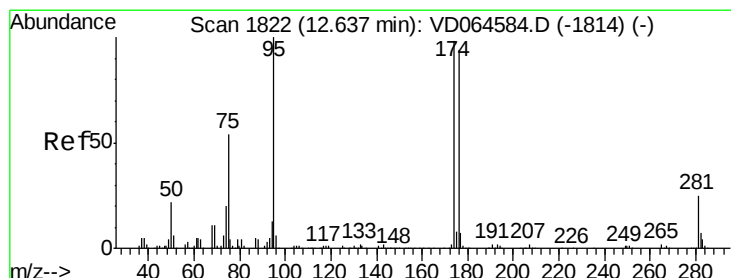
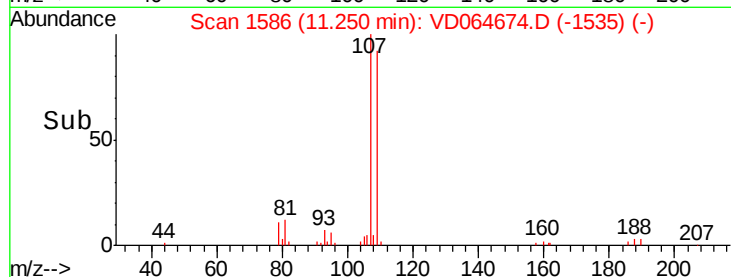
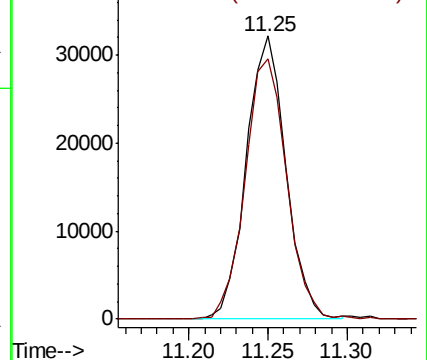
107 100

109 96.3 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.449 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

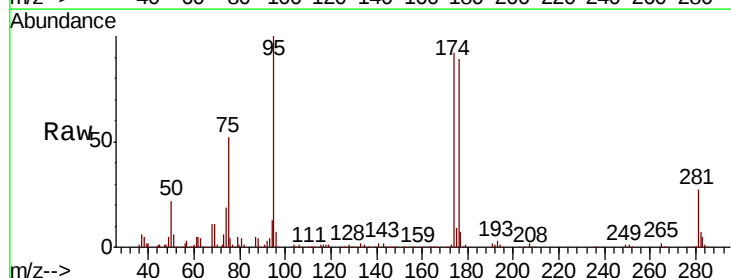
Tgt Ion: 95 Resp: 236924

Ion Ratio Lower Upper

95 100

174 94.0 0.0 193.2

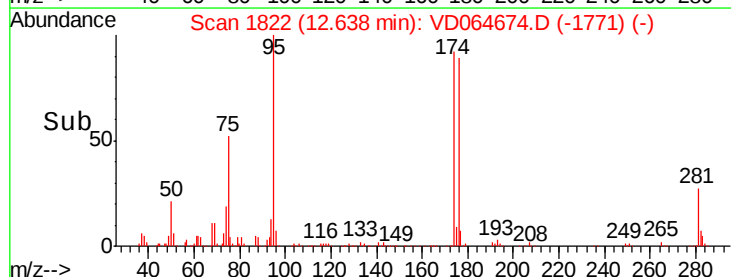
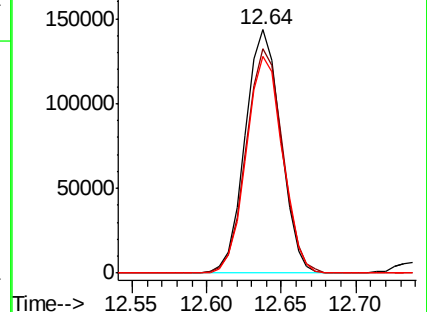
176 91.0 0.0 184.2

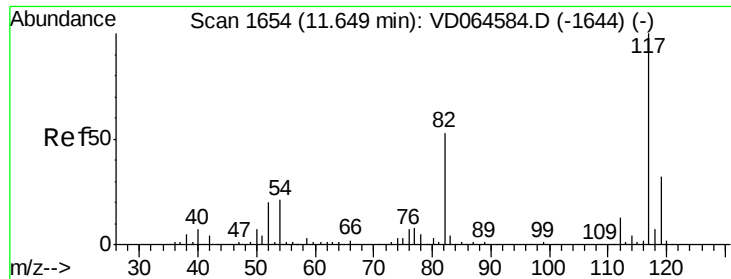


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

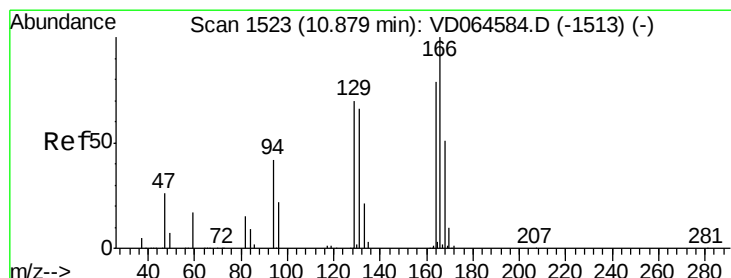
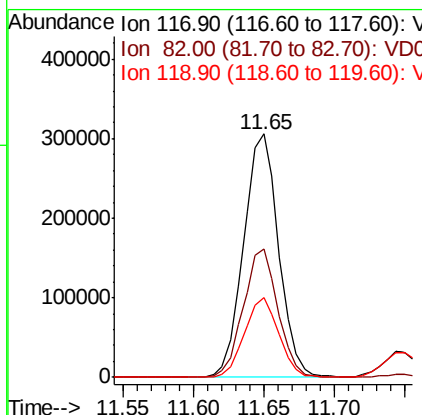
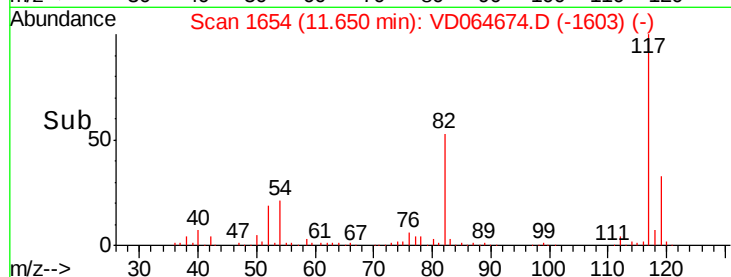
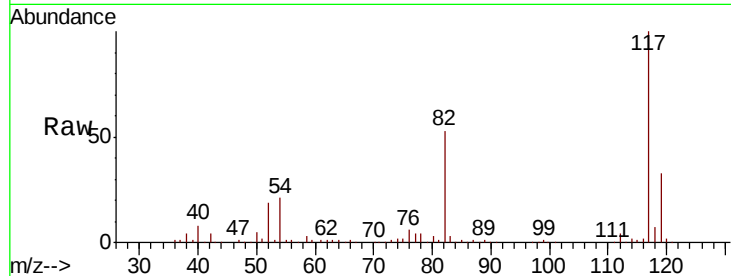




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

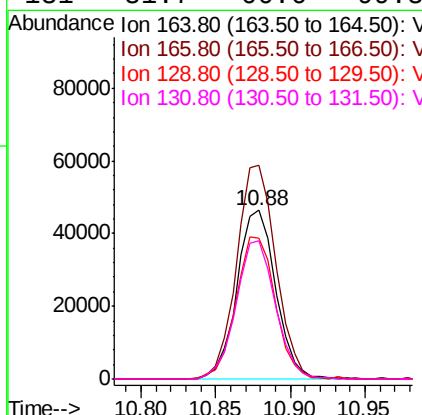
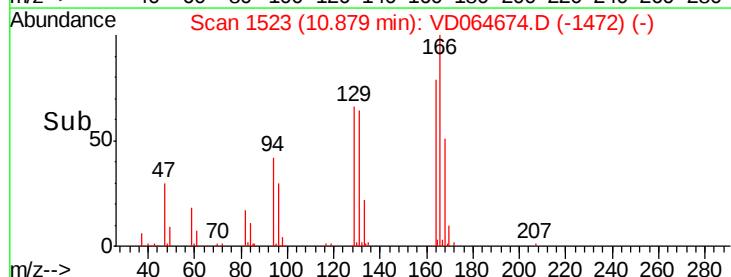
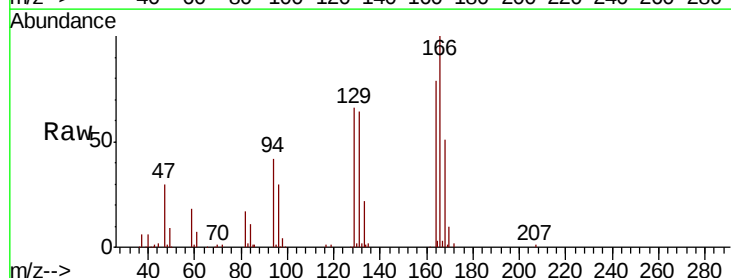
Instrument :
MSVOA_D
ClientSampled :

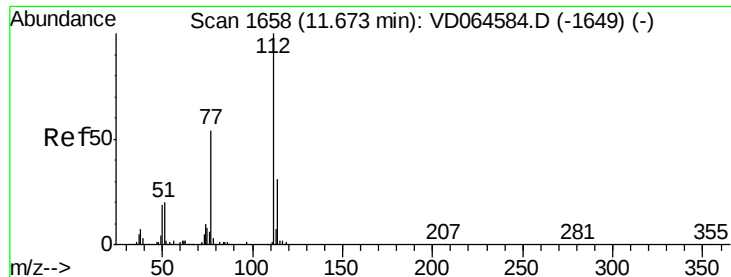
Tot Ion:117 Resp: 531194
Ion Ratio Lower Upper
117 100
82 52.6 42.2 63.4
119 32.7 26.0 39.0



#64
Tetrachloroethene
Concen: 20.446 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:164 Resp: 83324
Ion Ratio Lower Upper
164 100
166 126.7 101.3 151.9
129 83.7 70.5 105.7
131 81.7 66.6 99.8





#65

Chlorobenzene

Concen: 20.583 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

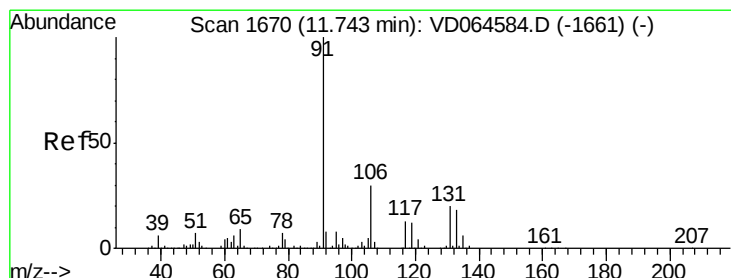
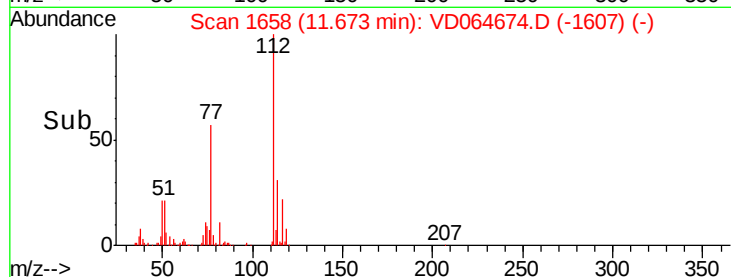
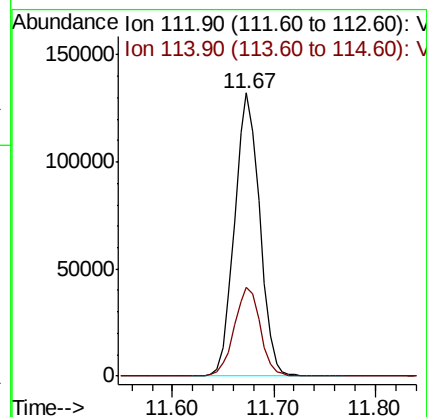
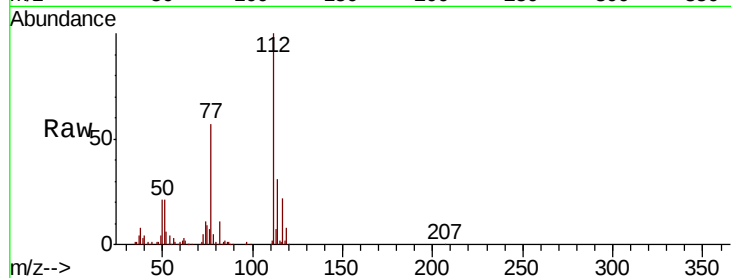
ClientSampleId :

Tot Ion:112 Resp: 226922

Ion Ratio Lower Upper

112 100

114 31.3 24.8 37.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.593 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

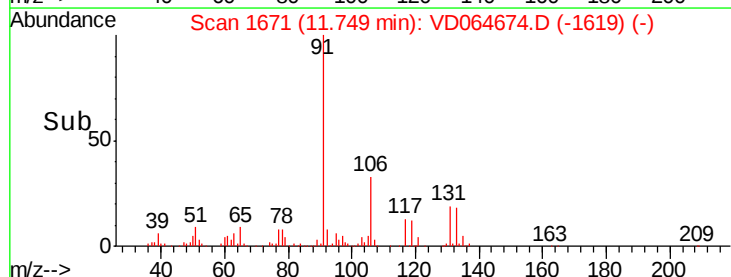
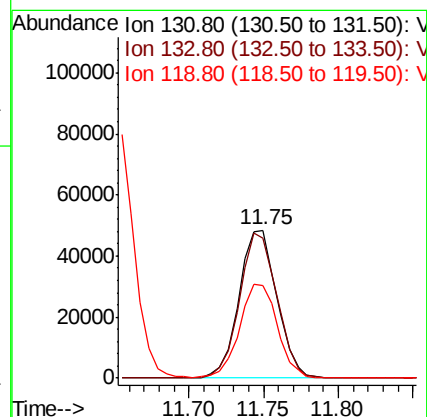
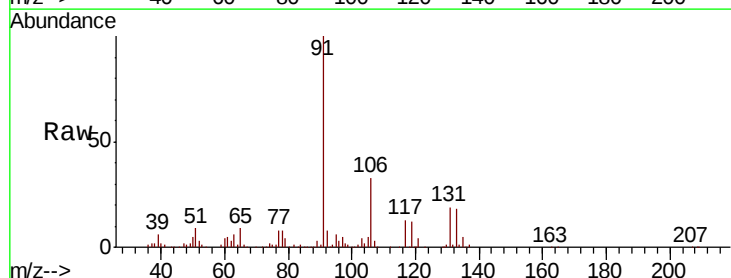
Tgt Ion:131 Resp: 85589

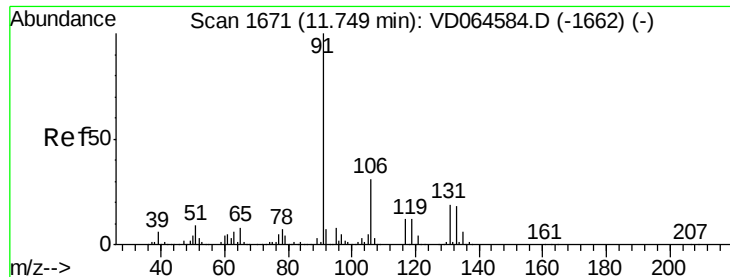
Ion Ratio Lower Upper

131 100

133 97.4 48.3 144.8

119 63.7 32.1 96.3





#67

Ethyl Benzene

Concen: 20.265 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

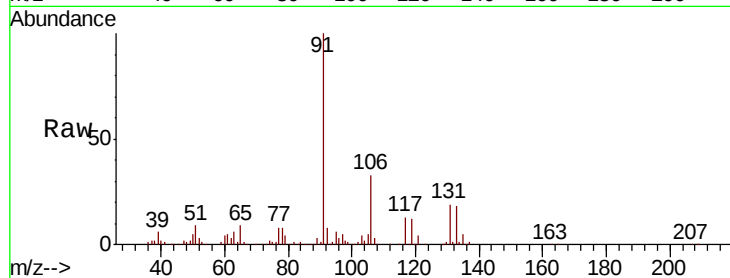
ClientSampleId :

Tot Ion: 91 Resp: 405524

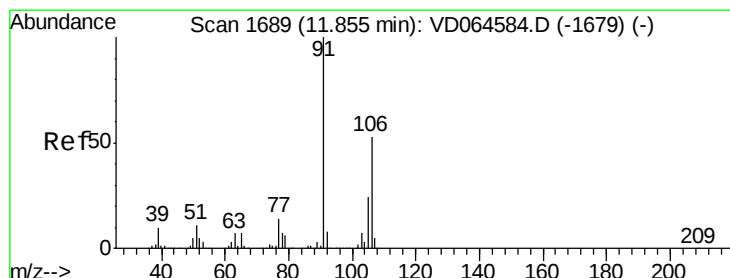
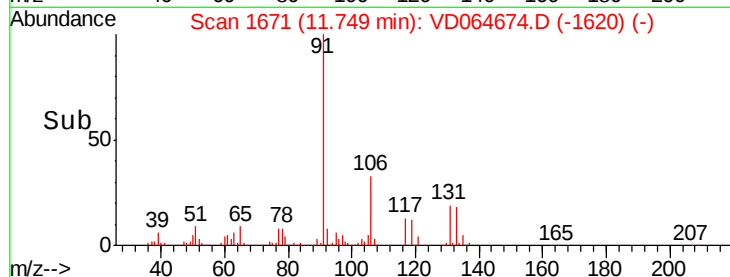
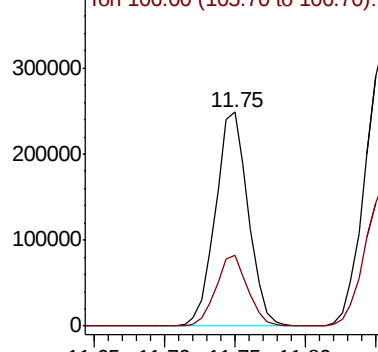
Ion Ratio Lower Upper

91 100

106 33.1 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 40.547 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064674.D

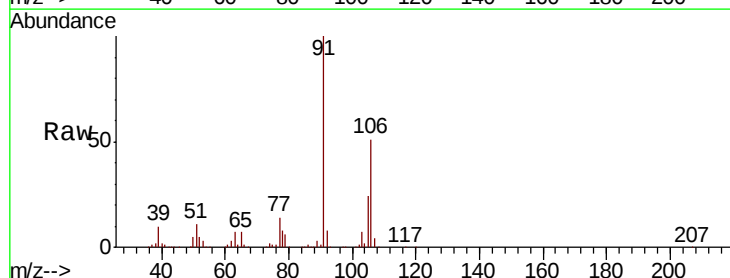
Acq: 30 Dec 2019 13:14

Tgt Ion: 106 Resp: 313174

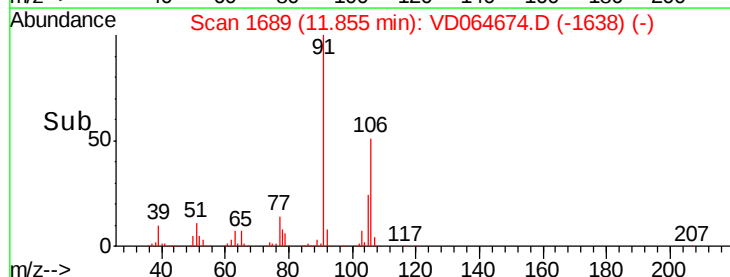
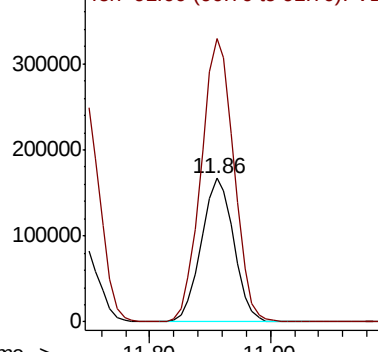
Ion Ratio Lower Upper

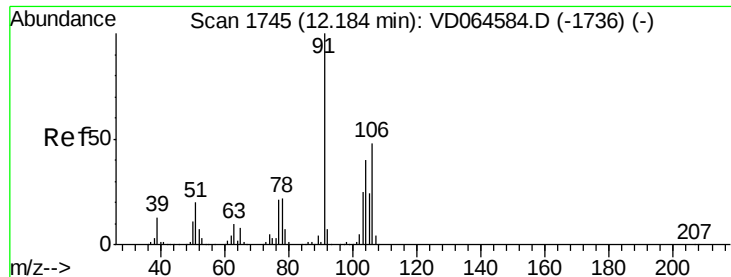
106 100

91 198.8 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

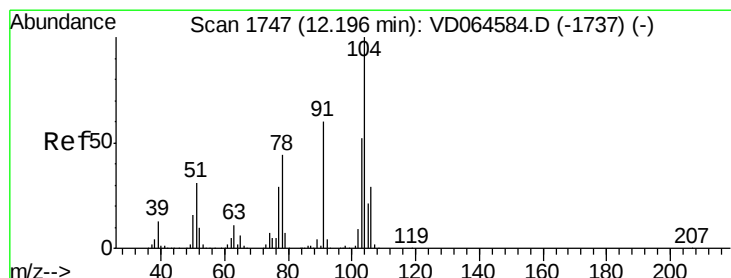
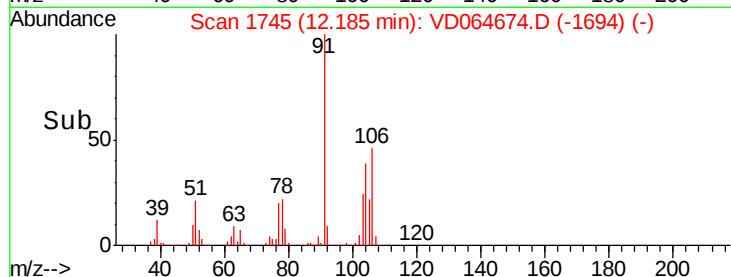
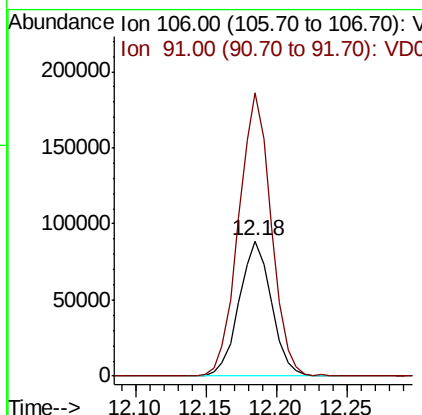
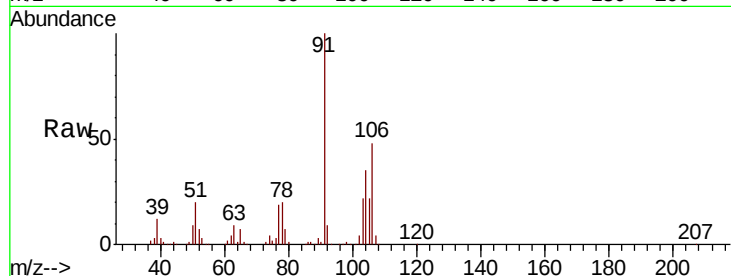




#69
o-Xylene
Concen: 20.375 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

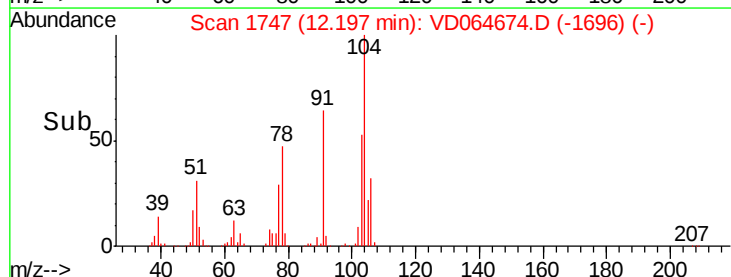
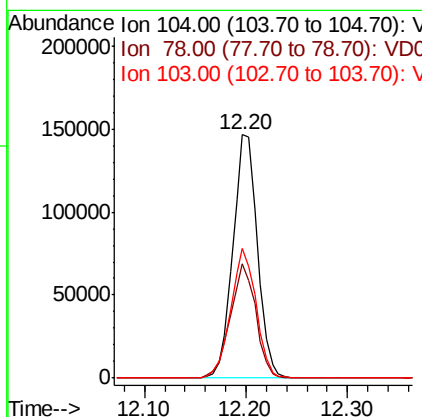
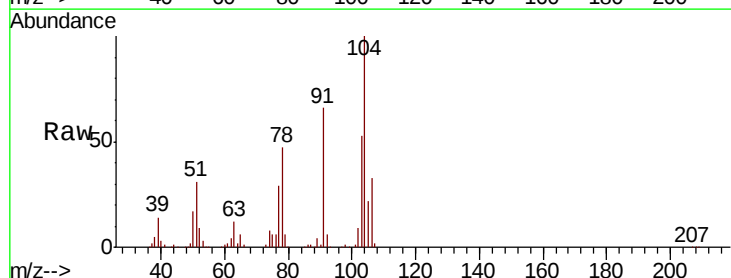
Instrument :
MSVOA_D
ClientSampled :

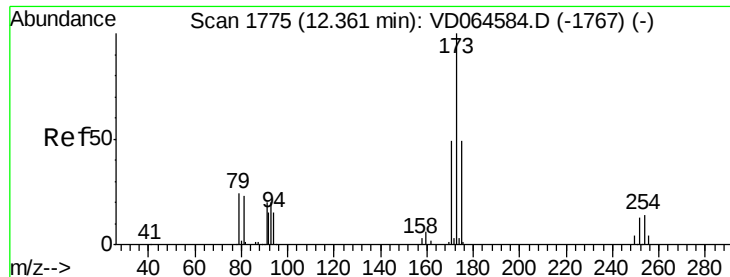
Tot Ion:106 Resp: 142146
Ion Ratio Lower Upper
106 100
91 210.6 104.8 314.4



#70
Styrene
Concen: 20.103 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:104 Resp: 246172
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.2
103 54.9 44.6 67.0

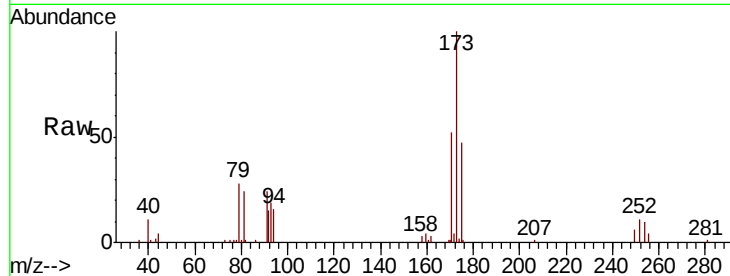




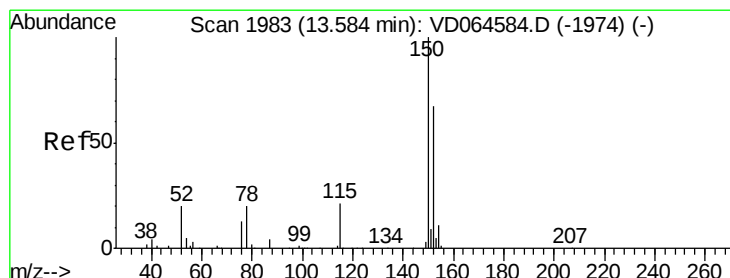
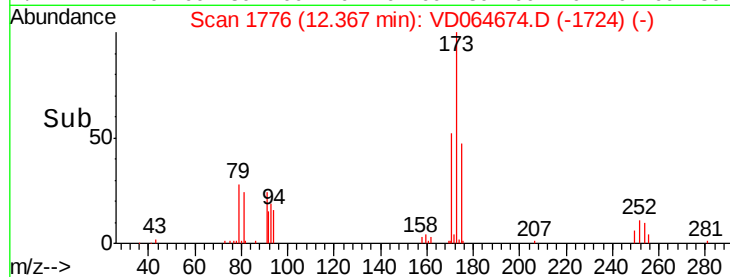
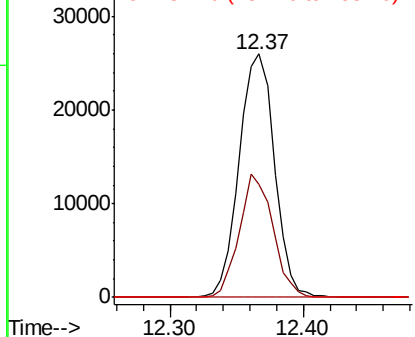
#71
Bromoform
Concen: 20.081 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 47596
Ion Ratio Lower Upper
173 100
175 48.0 24.6 73.8
254 0.0 0.1 0.1#

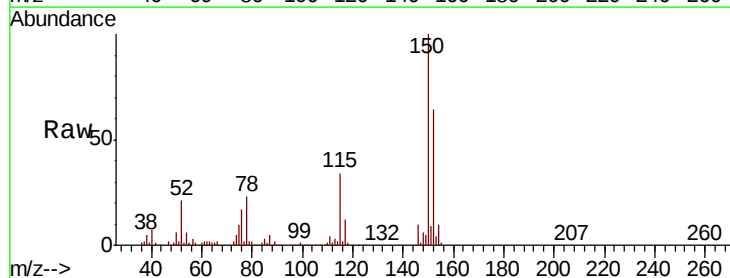


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

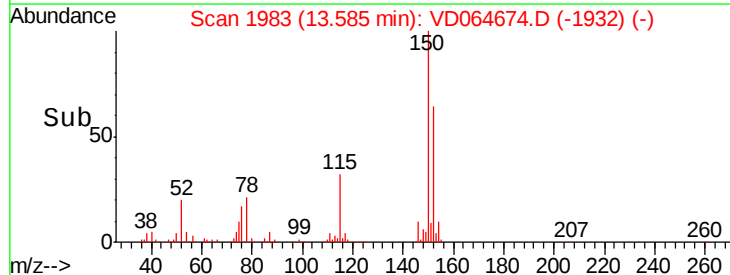
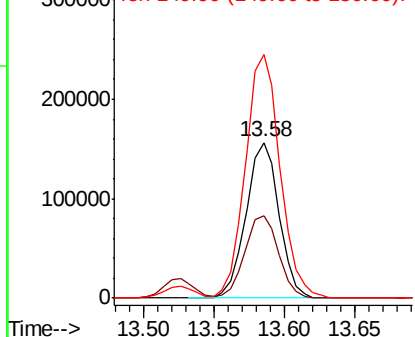


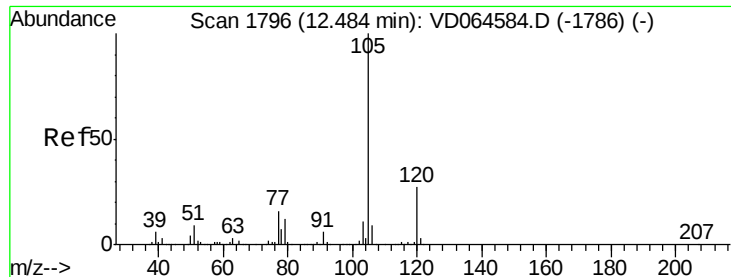
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:152 Resp: 257119
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 164.5 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: 21.308 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

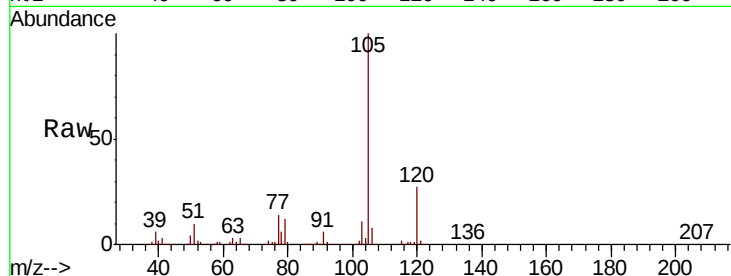
ClientSampled :

Tot Ion:105 Resp: 391519

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

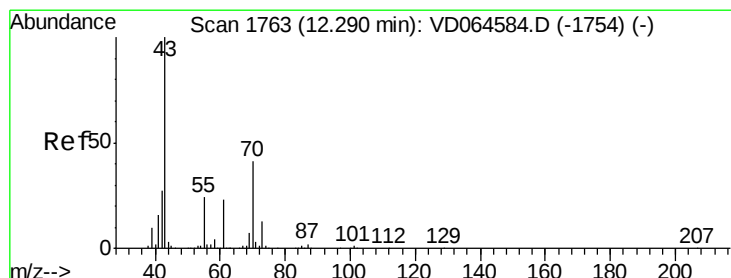
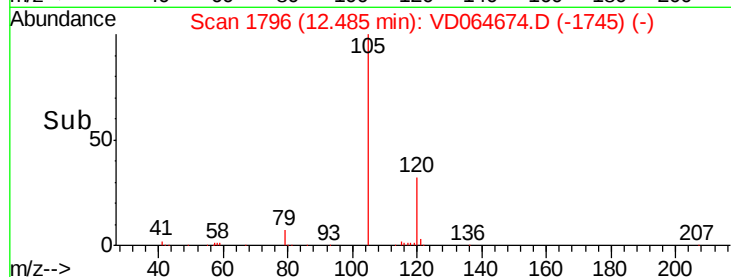
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.813 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Tgt Ion: 43 Resp: 81748

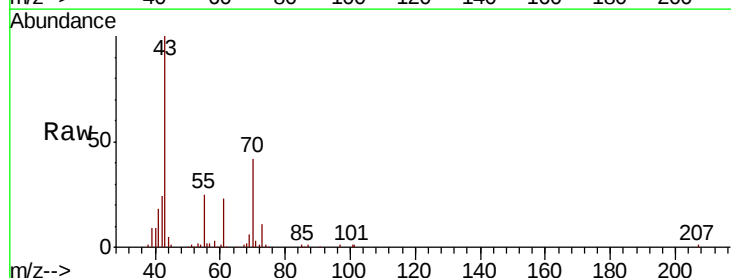
Ion Ratio Lower Upper

43 100

70 41.5 33.4 50.0

55 25.8 19.4 29.0

61 22.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

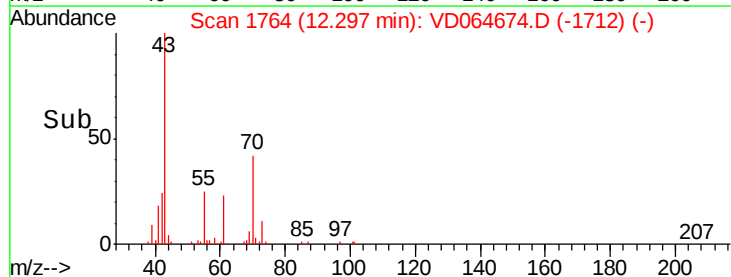
20000

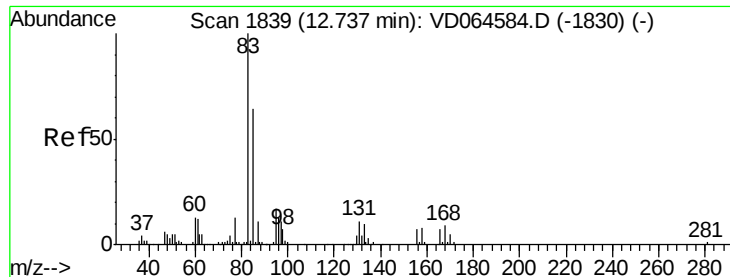
0

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.517 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

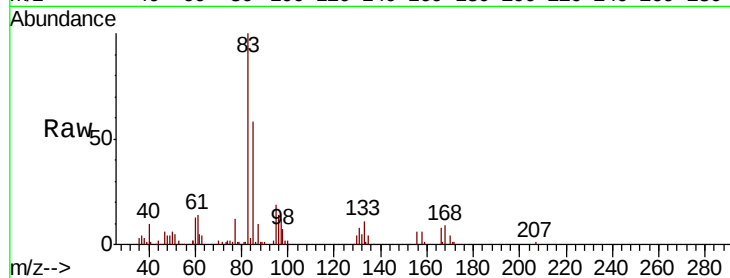
Tot Ion: 83 Resp: 62106

Ion Ratio Lower Upper

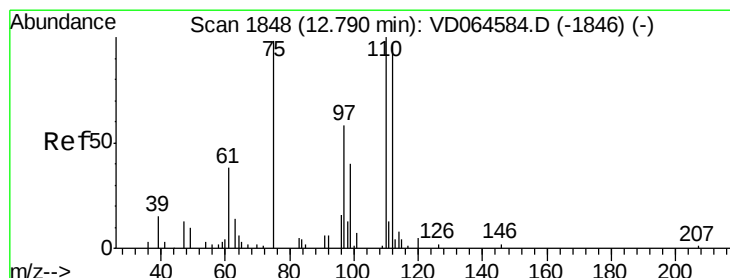
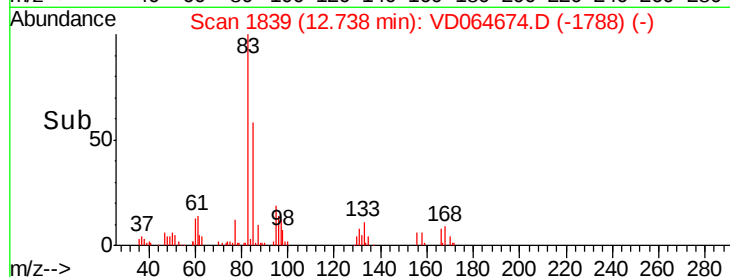
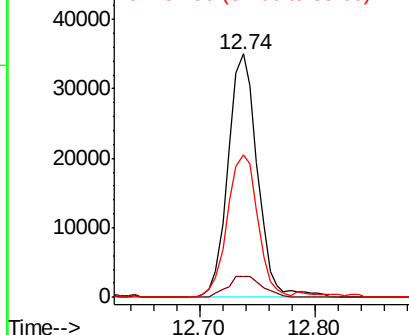
83 100

131 10.2 5.8 17.4

85 60.4 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: 39.003 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064674.D

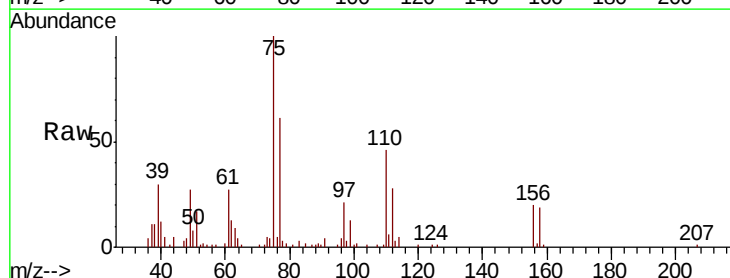
Acq: 30 Dec 2019 13:14

Tgt Ion: 75 Resp: 79190

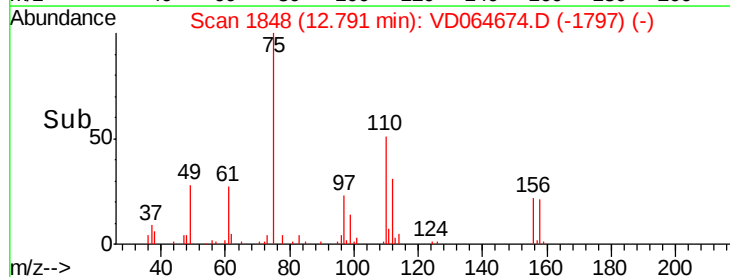
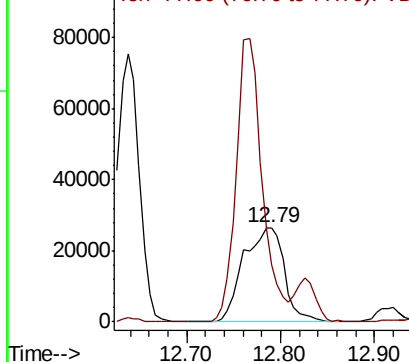
Ion Ratio Lower Upper

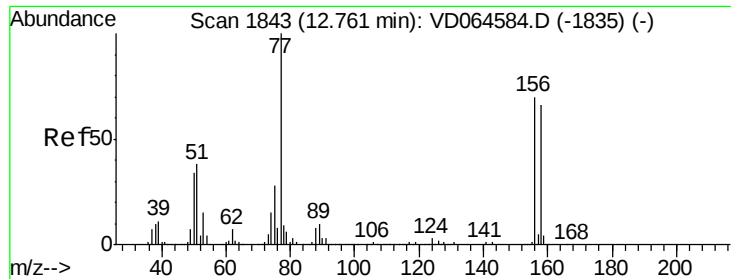
75 100

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: 21.043 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

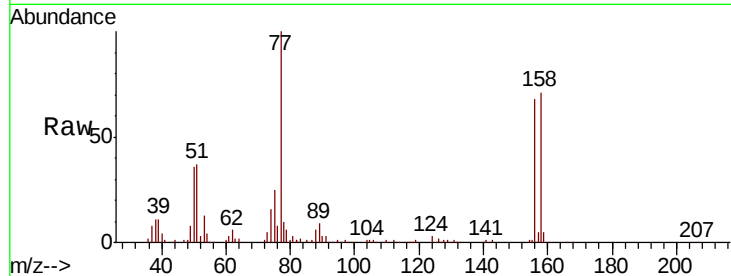
Tot Ion:156 Resp: 95004

Ion Ratio Lower Upper

156 100

77 162.2 80.9 242.7

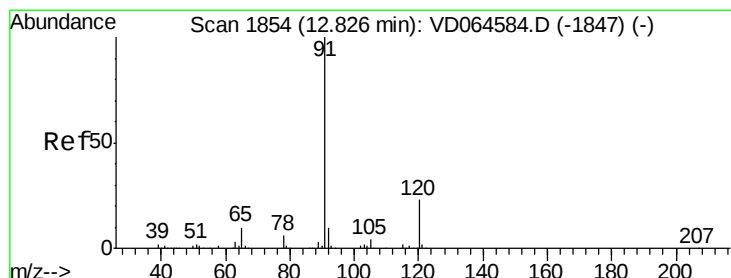
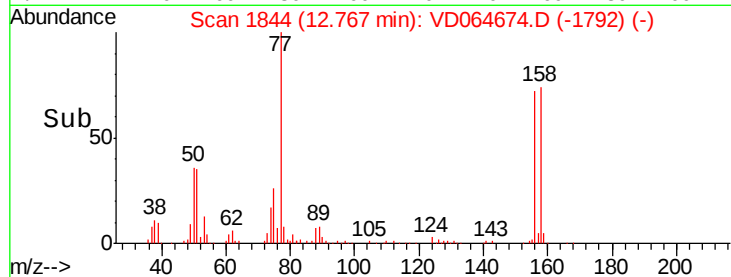
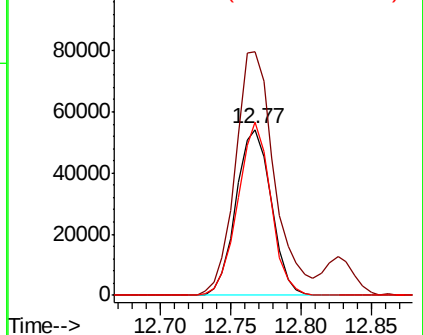
158 97.2 48.0 144.2



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: 21.284 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064674.D

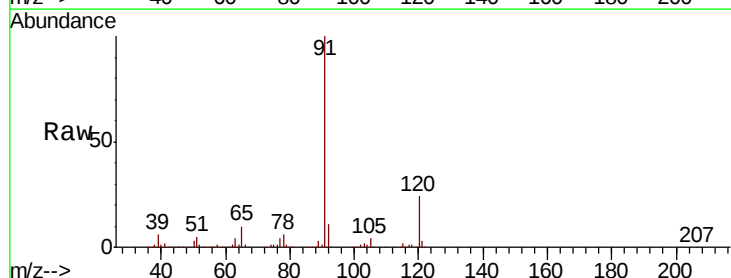
Acq: 30 Dec 2019 13:14

Tgt Ion: 91 Resp: 456239

Ion Ratio Lower Upper

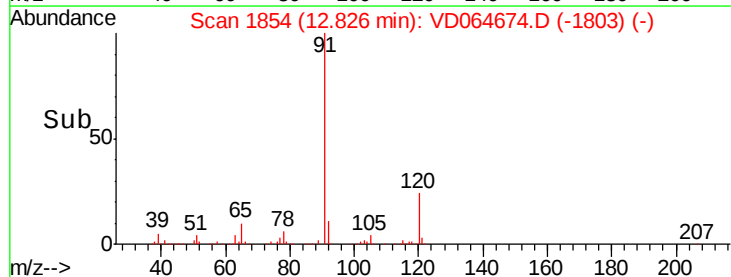
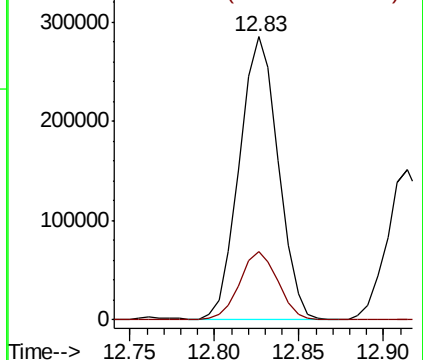
91 100

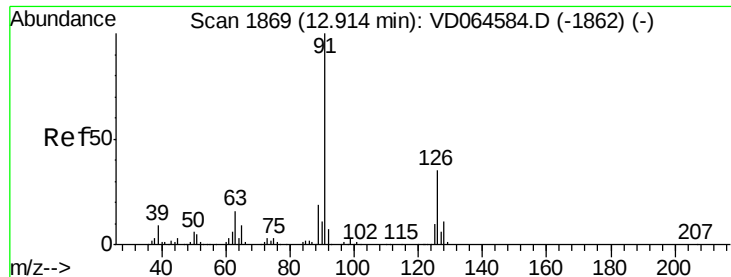
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

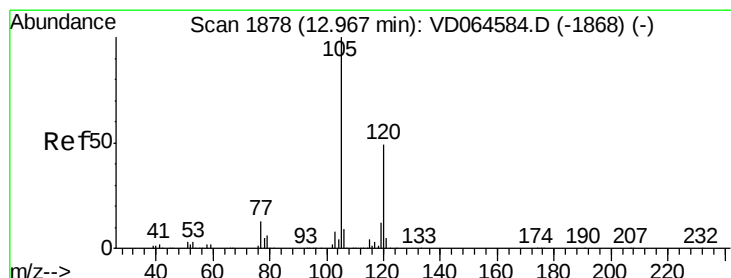
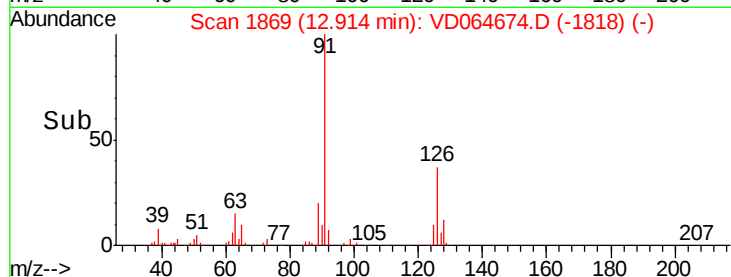
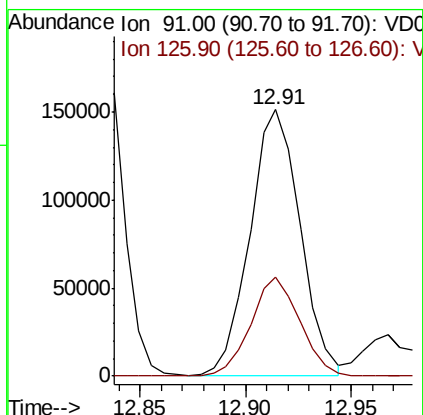
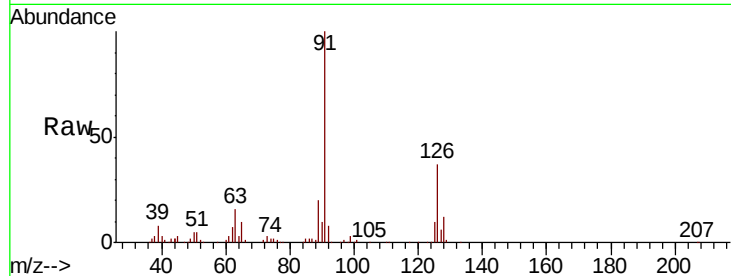




#79
2-Chlorotoluene
Concen: 21.181 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

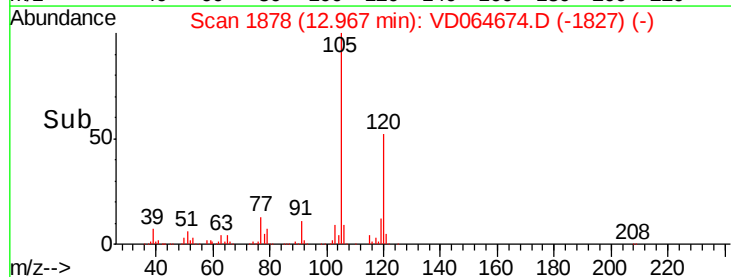
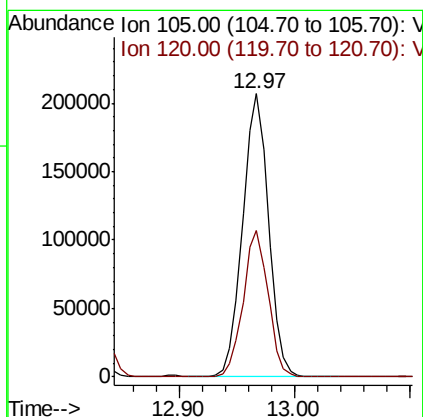
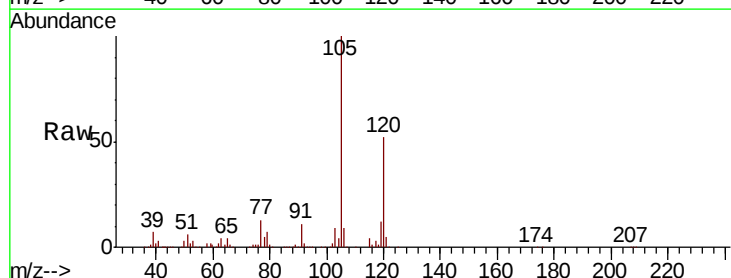
Instrument :
MSVOA_D
ClientSampleId :

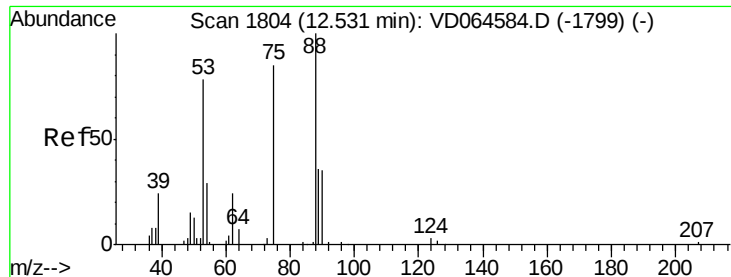
Tot Ion: 91 Resp: 249418
Ion Ratio Lower Upper
91 100
126 36.5 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 21.344 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:105 Resp: 322160
Ion Ratio Lower Upper
105 100
120 50.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.771 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

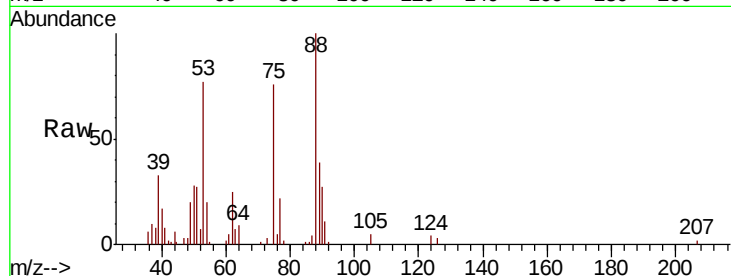
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 19193

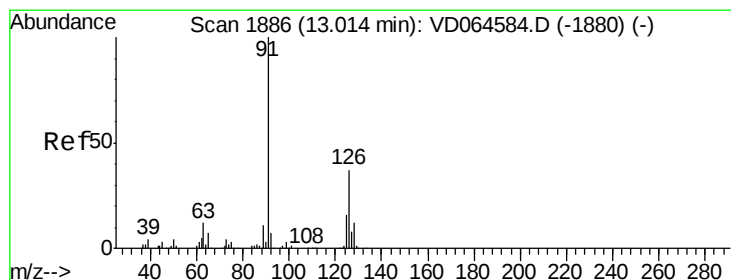
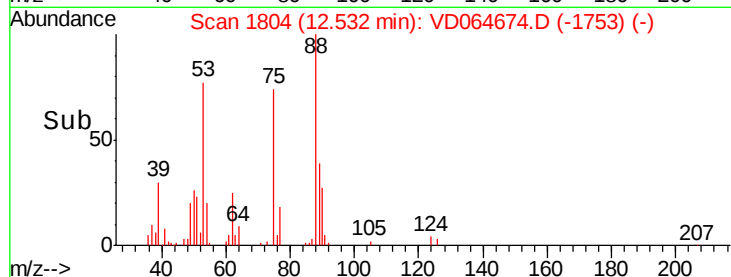
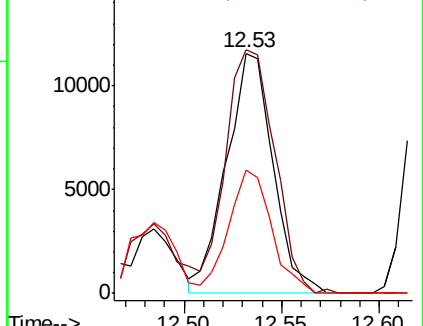
Ion	Ratio	Lower	Upper
75	100		
53	105.7	78.8	118.2
89	46.9	38.3	57.5



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.936 ug/l

RT: 13.01 min Scan# 1886

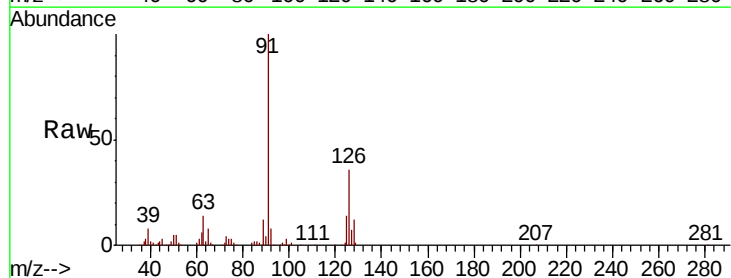
Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

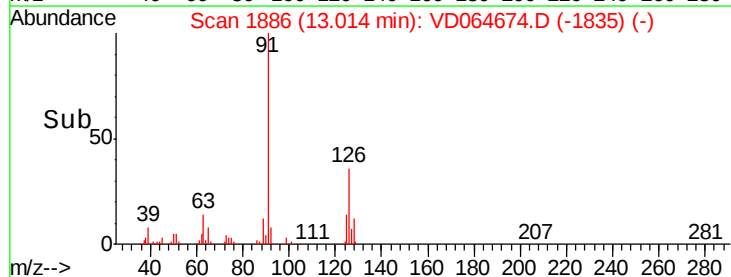
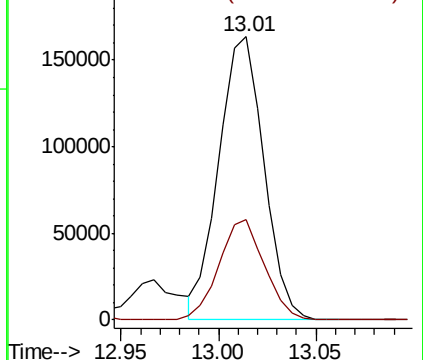
Tgt Ion: 91 Resp: 262357

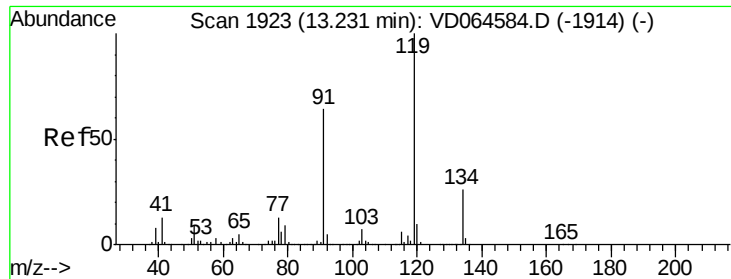
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

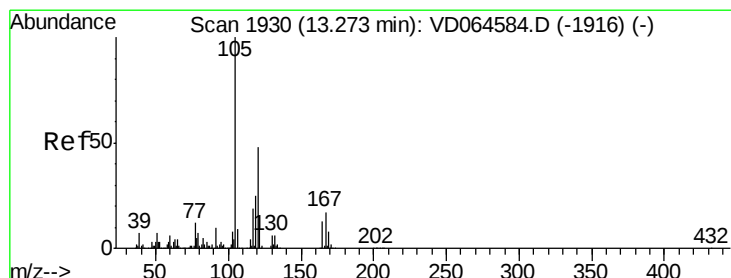
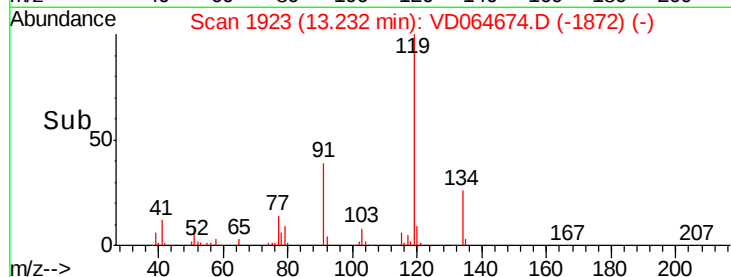
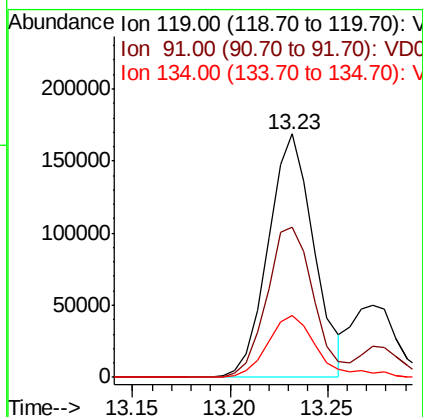
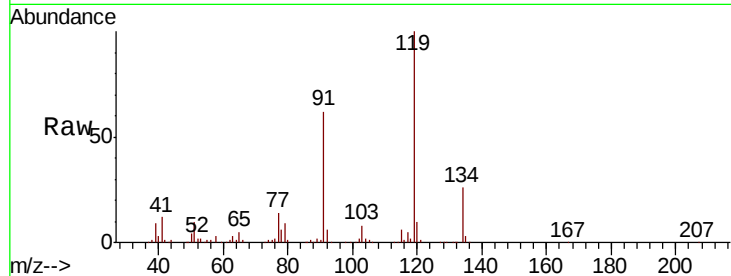




#83
tert-Butylbenzene
Concen: 20.863 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

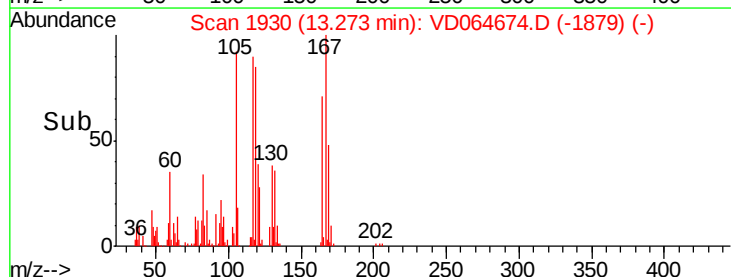
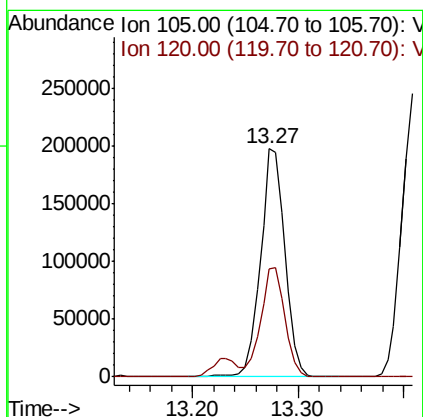
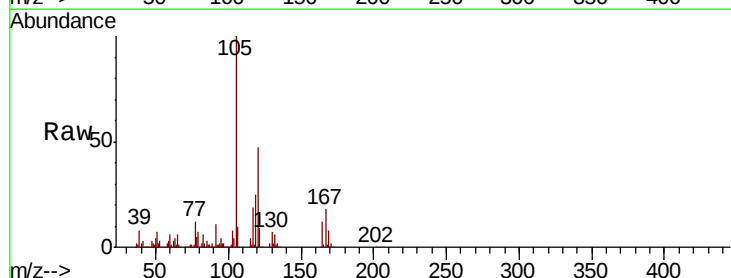
Instrument :
MSVOA_D
ClientSampleId :

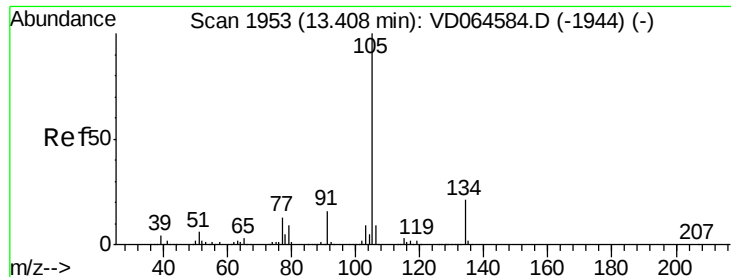
Tot Ion:119 Resp: 273404
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 28.1 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 21.175 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:105 Resp: 318309
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.2





#85

sec-Butylbenzene

Concen: 21.408 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

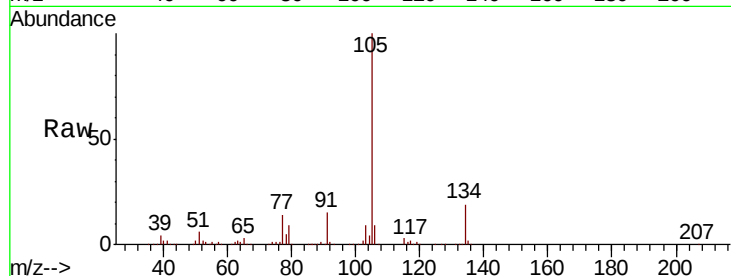
ClientSampleId :

Tot Ion:105 Resp: 384625

Ion Ratio Lower Upper

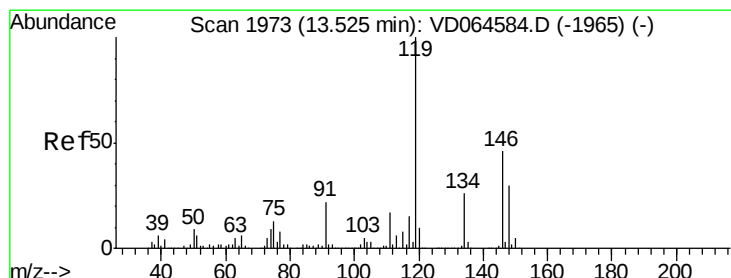
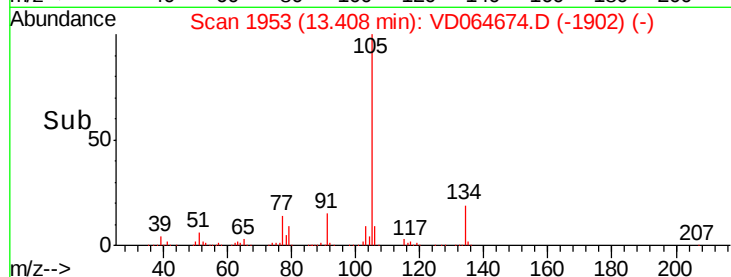
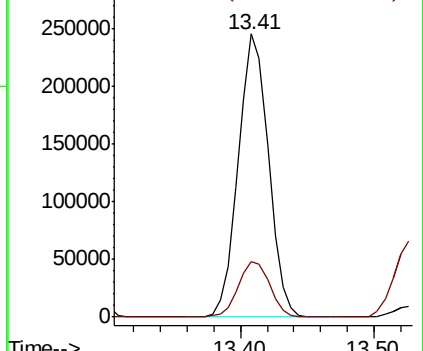
105 100

134 20.4 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: 21.068 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

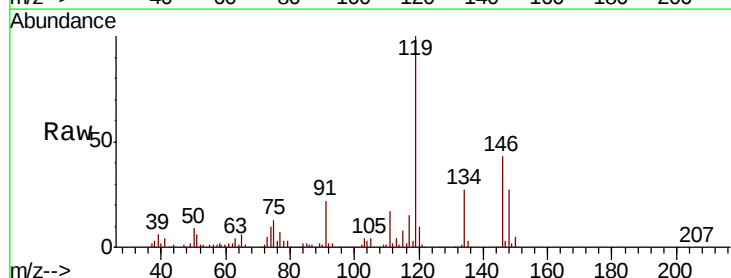
Tgt Ion:119 Resp: 361934

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

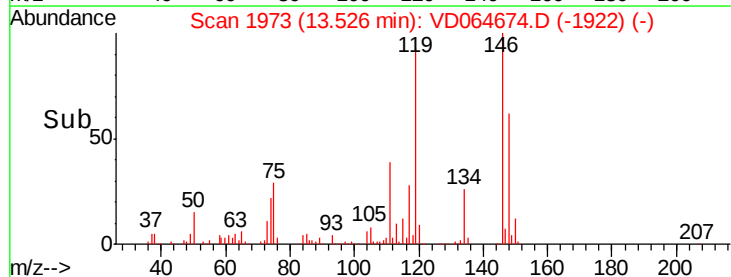
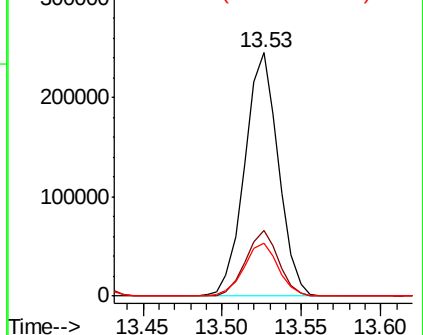
91 22.3 11.2 33.6

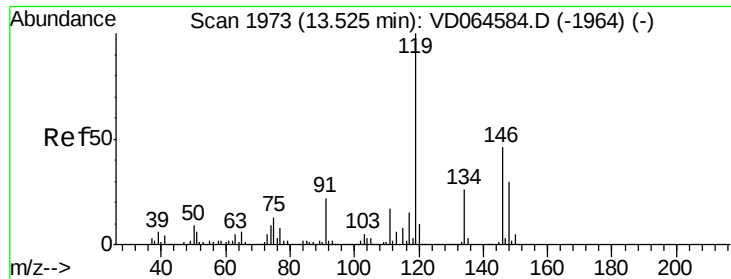


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

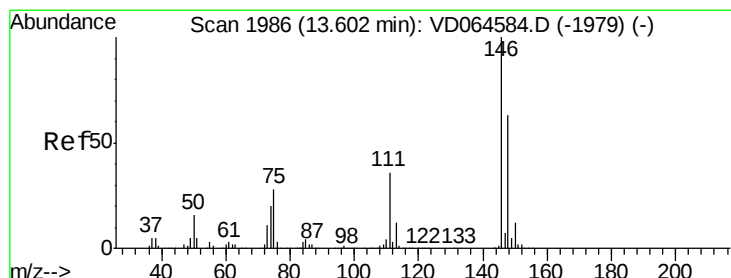
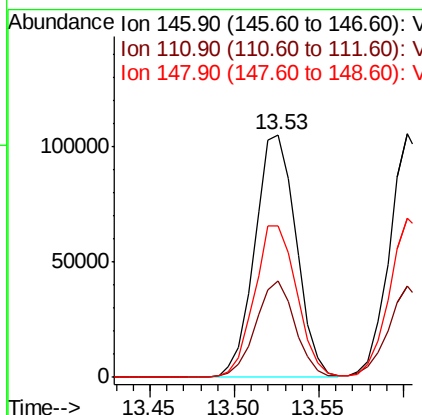
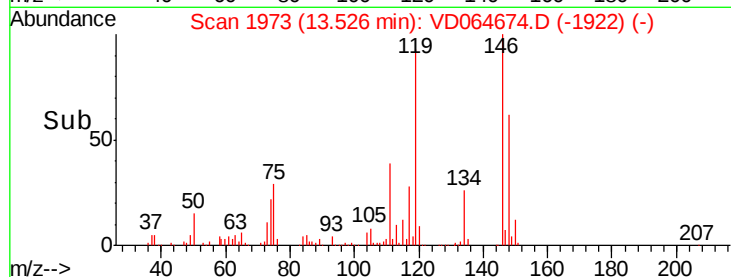
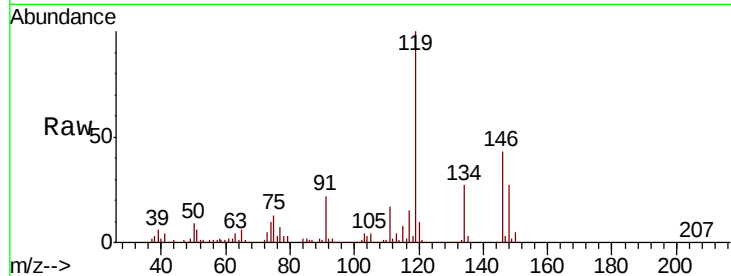




#87
 1,3-Dichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

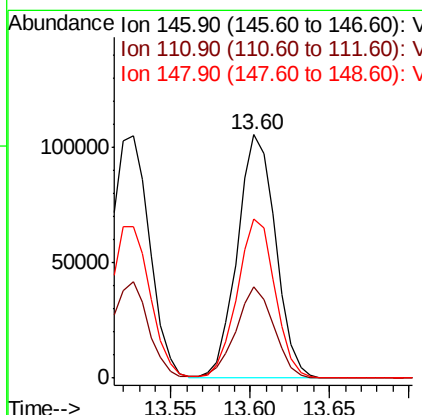
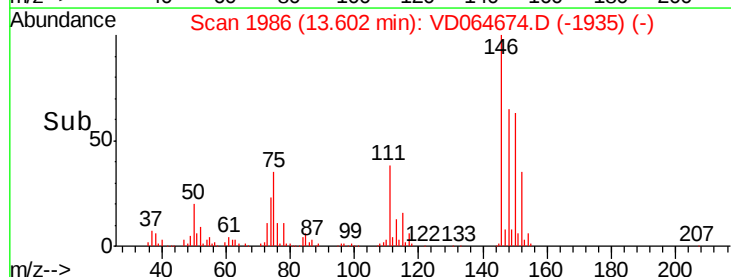
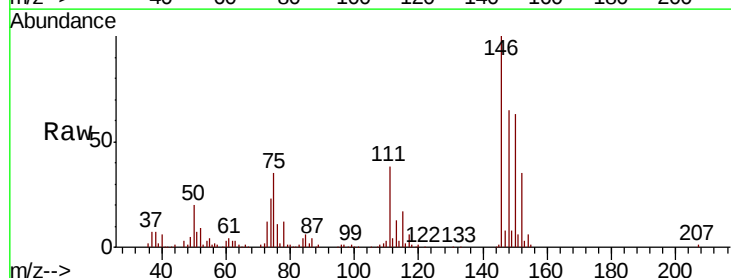
Instrument :
 MSVOA_D
 ClientSampleId :

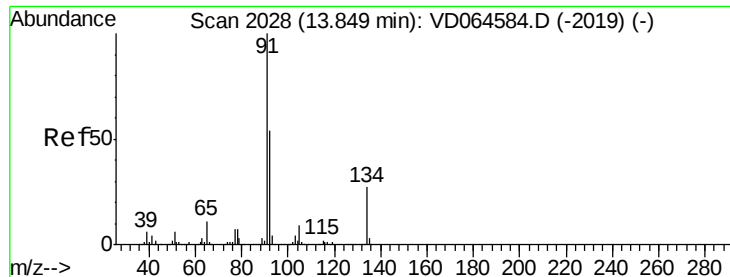
Tot Ion:146 Resp: 178841
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.8 56.4
 148 64.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.850 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion:146 Resp: 176291
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.1 54.1
 148 64.7 32.3 96.9

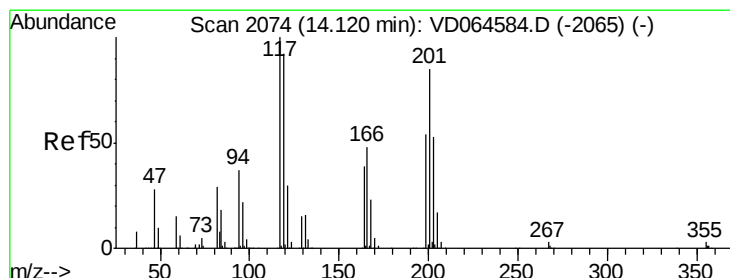
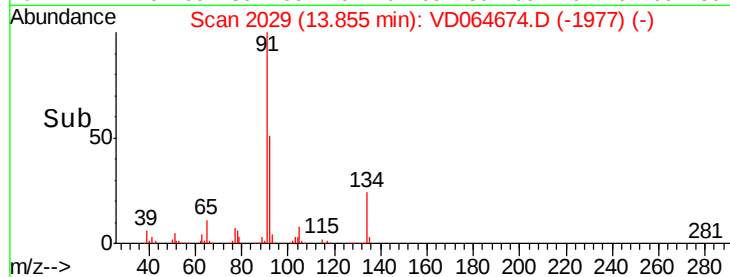
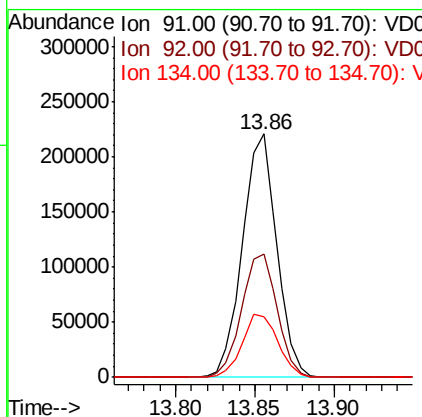
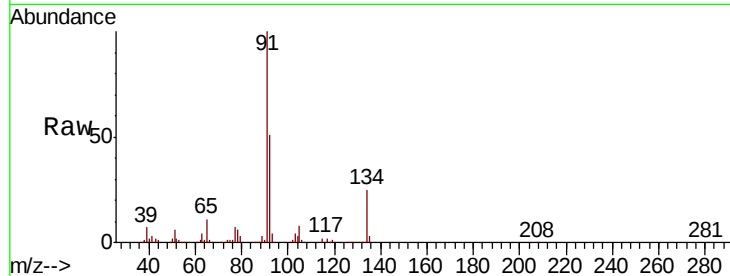




#89
n-Butylbenzene
Concen: 21.410 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

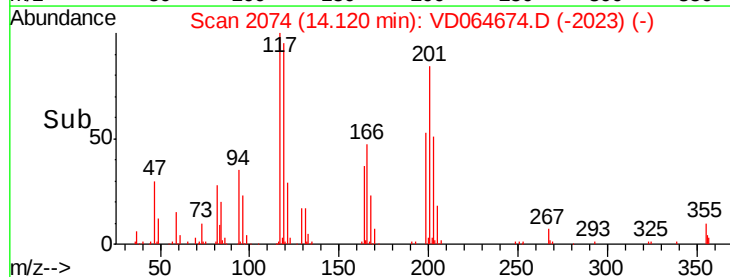
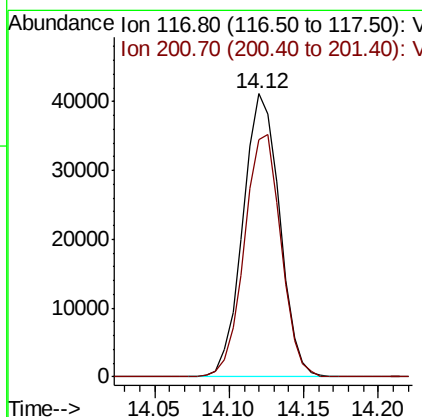
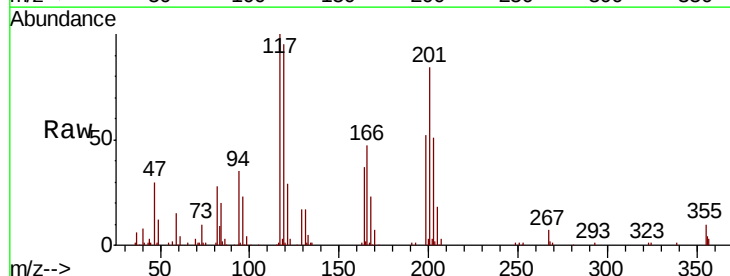
Instrument :
MSVOA_D
ClientSampleId :

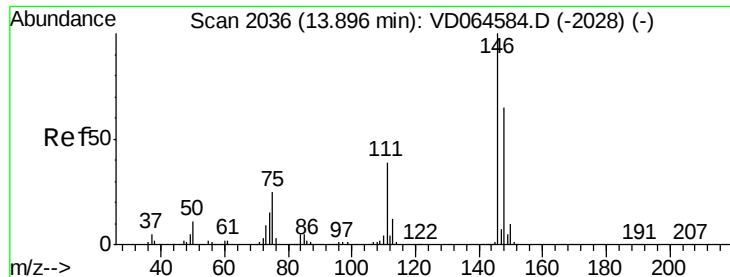
Tot Ion: 91 Resp: 331227
Ion Ratio Lower Upper
91 100
92 52.5 26.8 80.4
134 27.1 14.0 41.9



#90
Hexachloroethane
Concen: 21.354 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion: 117 Resp: 70073
Ion Ratio Lower Upper
117 100
201 85.2 44.0 131.8





#91

1,2-Dichlorobenzene

Concen: 20.851 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

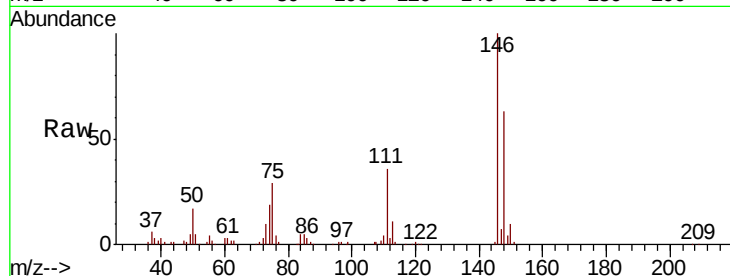
Tot Ion:146 Resp: 153027

Ion Ratio Lower Upper

146 100

111 38.6 19.3 57.9

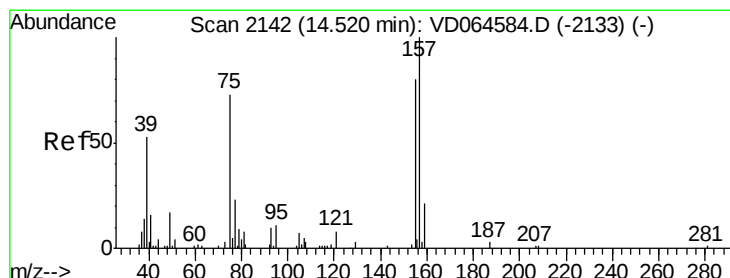
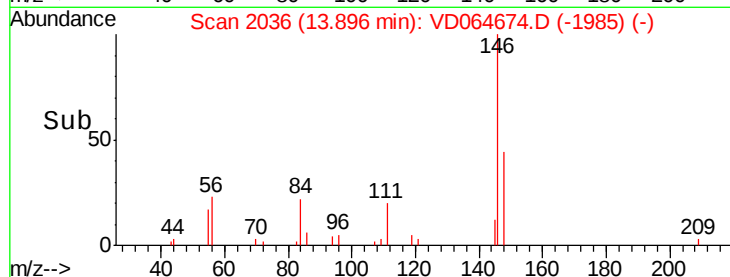
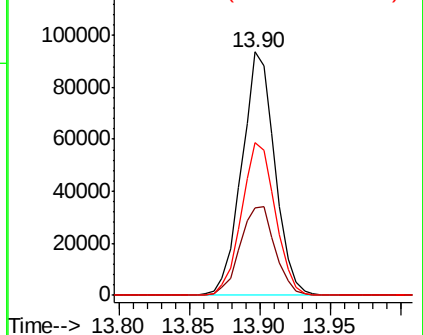
148 64.1 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.907 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064674.D

Acq: 30 Dec 2019 13:14

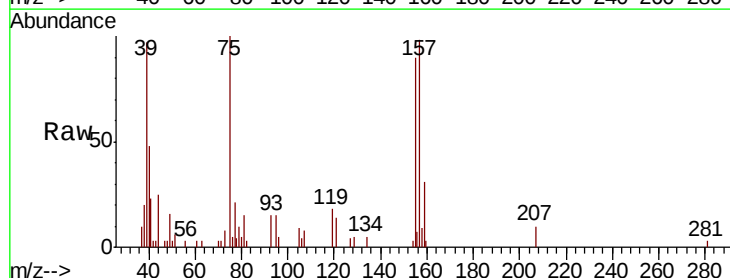
Tgt Ion: 75 Resp: 9783

Ion Ratio Lower Upper

75 100

155 91.2 48.0 144.0

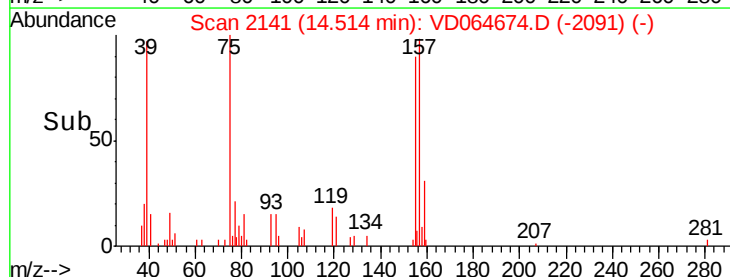
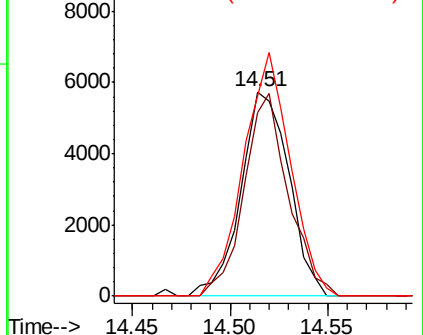
157 116.5 64.1 192.3

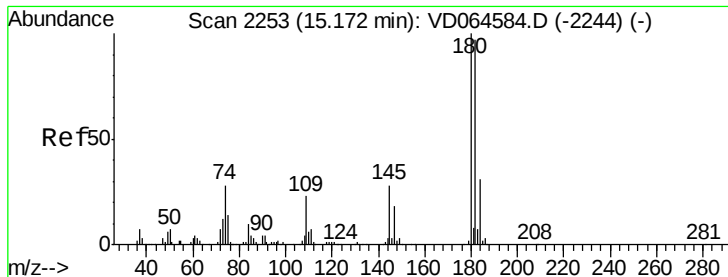


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

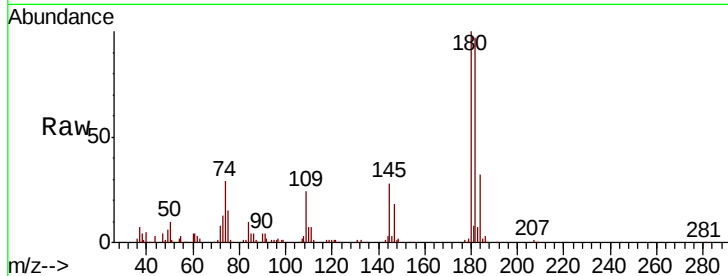




#93
 1,2,4-Trichlorobenzene
 Concen: 20.346 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	27.1	13.8	41.4

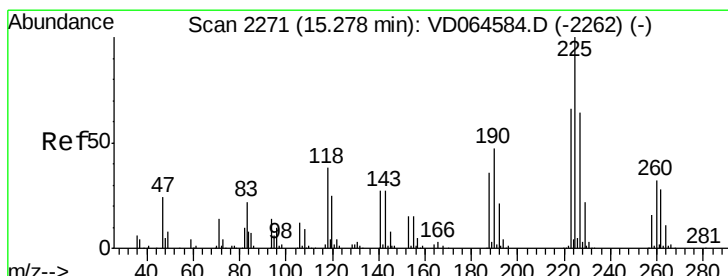
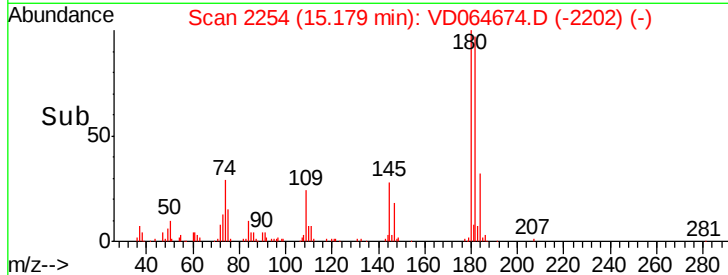
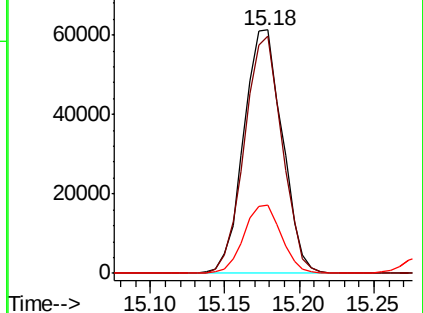


Abundance

Ion 179.80 (179.50 to 180.50): V

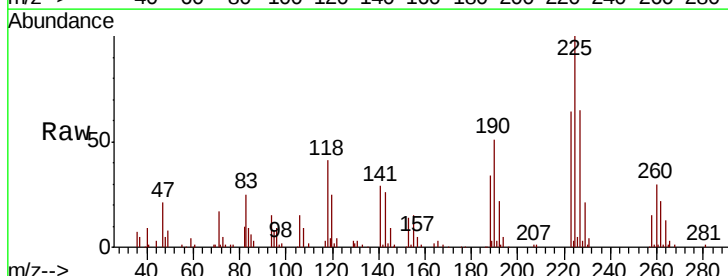
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.364 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064674.D
 Acq: 30 Dec 2019 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.1	93.2
227	65.3	30.9	92.7

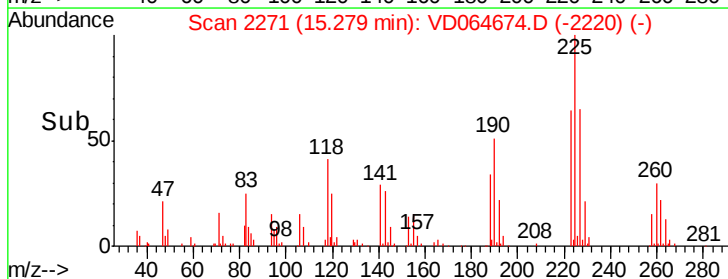
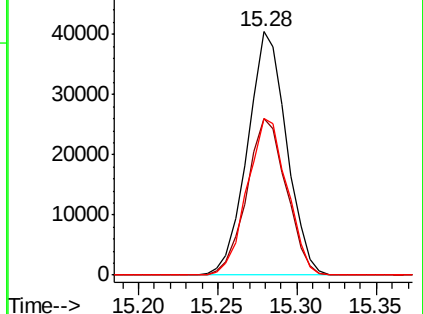


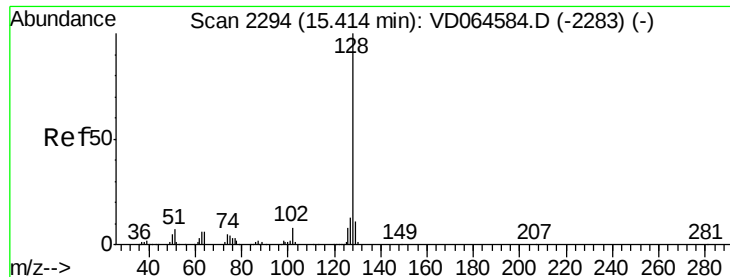
Abundance

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

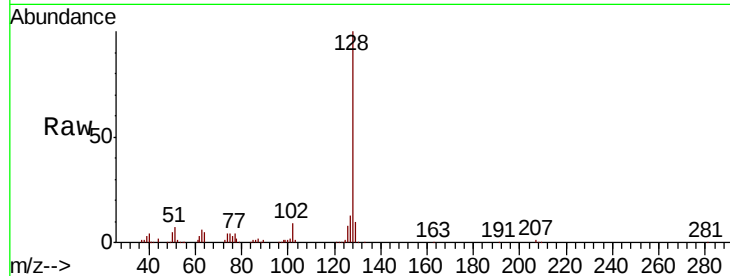




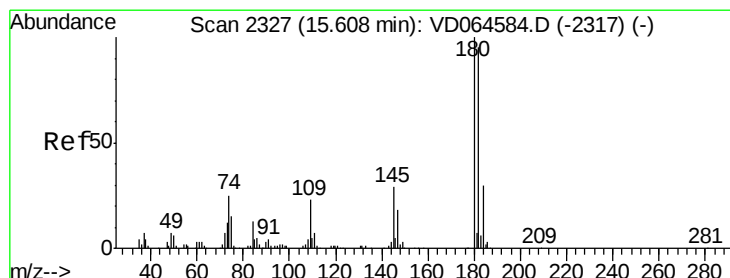
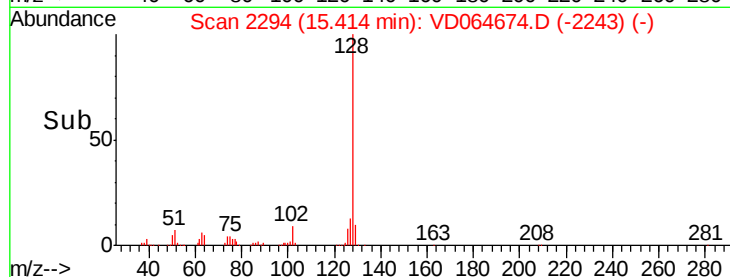
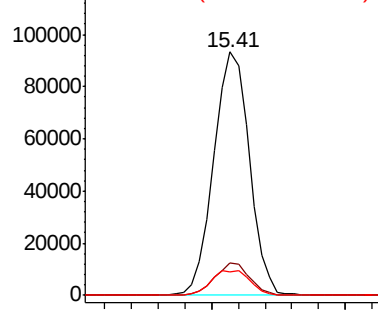
#95
Naphthalene
Concen: 20.181 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 172525
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.1 8.5 12.7

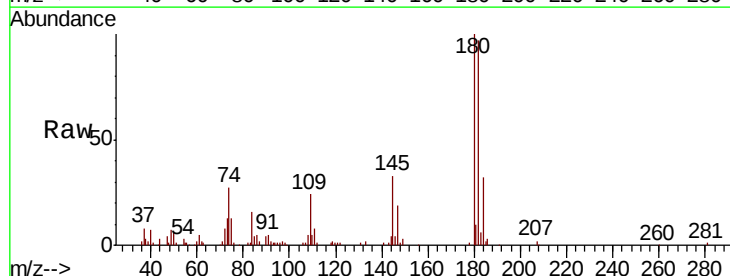


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.560 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064674.D
Acq: 30 Dec 2019 13:14

Tgt Ion:180 Resp: 94848
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.7
145 30.9 14.9 44.7



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

