

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064859.D
 Acq On : 17 Jan 2020 13:23
 Operator : VA/SY
 Sample : L1176-04MS
 Misc : 4.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Quant Time: Jan 17 22:51:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	348868	112.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.88%	
35) Dibromofluoromethane	7.92	113	341999	106.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.12%	
50) Toluene-d8	10.34	98	1306721	106.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.62%	
62) 4-Bromofluorobenzene	12.64	95	411289	105.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85692	31.34	ug/l	96
3) Chloromethane	2.21	50	135072	35.32	ug/l	99
4) Vinyl Chloride	2.35	62	157082	33.69	ug/l	99
5) Bromomethane	2.77	94	118688	35.01	ug/l	96
6) Chloroethane	2.93	64	112695	36.07	ug/l	98
7) Trichlorofluoromethane	3.27	101	255104	32.49	ug/l	99
8) Diethyl Ether	3.71	74	68233	43.77	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	114667	35.27	ug/l	97
10) Methyl Iodide	4.30	142	136180	38.99	ug/l	99
11) Tert butyl alcohol	5.18	59	55017	309.41	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	112255	36.26	ug/l	98
13) Acrolein	3.93	56	40340	162.79	ug/l	99
14) Allyl chloride	4.71	41	198493	41.13	ug/l	100
15) Acrylonitrile	5.43	53	156426	240.88	ug/l	98
16) Acetone	4.17	43	212433	338.47	ug/l	92
17) Carbon Disulfide	4.40	76	330126	32.98	ug/l	99
18) Methyl Acetate	4.73	43	93323	53.43	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	325530	47.35	ug/l	95
20) Methylene Chloride	4.96	84	151713	47.57	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	140053	39.73	ug/l	98
22) Diisopropyl ether	6.37	45	446946	46.43	ug/l	99
23) Vinyl Acetate	6.31	43	1203657	220.42	ug/l	99
24) 1,1-Dichloroethane	6.27	63	252954	43.77	ug/l	99
25) 2-Butanone	7.22	43	227185	266.39	ug/l	94
26) 2,2-Dichloropropane	7.21	77	241537	44.95	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	160803	42.26	ug/l	94
28) Bromochloromethane	7.55	49	121146	53.93	ug/l	100
29) Tetrahydrofuran	7.57	42	126842	239.16	ug/l	97
30) Chloroform	7.71	83	267864	44.18	ug/l	97
31) Cyclohexane	7.98	56	190726	32.97	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	231928	40.72	ug/l	99
36) 1,1-Dichloropropene	8.11	75	179517	35.65	ug/l	98
37) Ethyl Acetate	7.30	43	90475	45.74	ug/l	98
38) Carbon Tetrachloride	8.10	117	205327	38.25	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183629	30.11	ug/l	98
40) Benzene	8.36	78	559944	40.74	ug/l	97
41) Methacrylonitrile	7.53	41	51730	45.08	ug/l	89
42) 1,2-Dichloroethane	8.43	62	183492	46.20	ug/l	100
43) Isopropyl Acetate	8.46	43	180204	45.77	ug/l	99
44) Trichloroethene	9.11	130	148823	36.86	ug/l	94
45) 1,2-Dichloropropane	9.39	63	143960	43.87	ug/l	99
46) Dibromomethane	9.48	93	81408	44.49	ug/l	99
47) Bromodichloromethane	9.67	83	215151	44.19	ug/l	99
48) Methyl methacrylate	9.46	41	83486	45.04	ug/l	92
49) 1,4-Dioxane	9.47	88	27804	1317.89	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	451455	232.00	ug/l	99
52) Toluene	10.41	92	363050	40.26	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	205683	45.31	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	235303	43.96	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	110131	44.66	ug/l	93
56) Ethyl methacrylate	10.66	69	138346	44.93	ug/l	97
57) 1,3-Dichloropropane	10.95	76	191658	45.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277643	236.64	ug/l	99
59) 2-Hexanone	10.99	43	328643	248.83	ug/l	99
60) Dibromochloromethane	11.14	129	149331	43.79	ug/l	98
61) 1,2-Dibromoethane	11.25	107	104777	43.08	ug/l	99
64) Tetrachloroethene	10.88	164	118138	33.20	ug/l	95
65) Chlorobenzene	11.67	112	381551	39.64	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	152918	42.14	ug/l	99
67) Ethyl Benzene	11.75	91	650925	37.25	ug/l	98
68) m/p-Xylenes	11.86	106	493807	73.22	ug/l	96
69) o-Xylene	12.18	106	230415	37.83	ug/l	98
70) Styrene	12.20	104	425288	39.78	ug/l	99
71) Bromoform	12.37	173	91526	44.23	ug/l #	96
73) Isopropylbenzene	12.48	105	587062	36.13	ug/l	100
74) N-amyl acetate	12.30	43	153732	44.27	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	118185	46.31	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	153666	85.60	ug/l #	100
77) Bromobenzene	12.77	156	160548	40.22	ug/l	96
78) n-propylbenzene	12.83	91	667538	35.22	ug/l	99
79) 2-Chlorotoluene	12.91	91	393592	37.80	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	475342	35.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39748	46.31	ug/l	98
82) 4-Chlorotoluene	13.01	91	419251	37.84	ug/l	99
83) tert-Butylbenzene	13.23	119	401560	34.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	491227	36.96	ug/l	97
85) sec-Butylbenzene	13.41	105	529927	33.36	ug/l	100
86) p-Isopropyltoluene	13.53	119	512291	33.73	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	285048	37.46	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279434	37.38	ug/l	99
89) n-Butylbenzene	13.85	91	445352	32.56	ug/l	99
90) Hexachloroethane	14.12	117	101535	34.99	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	250169	38.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18410	44.50	ug/l	96

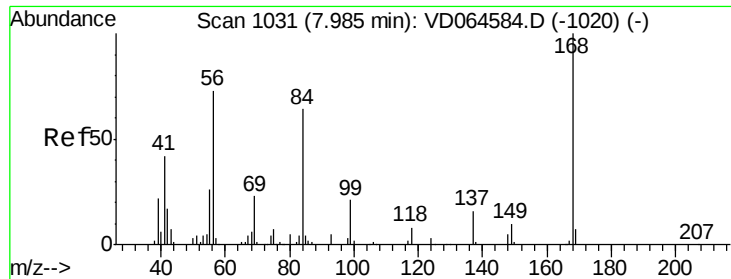
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162521	34.01	ug/l	99
94) Hexachlorobutadiene	15.28	225	95943	31.91	ug/l	99
95) Naphthalene	15.41	128	295253	39.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	141303	34.64	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

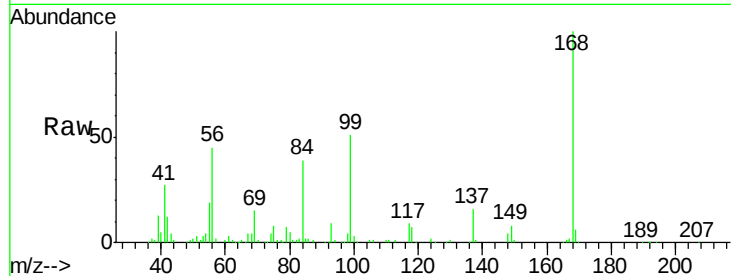
EP-3MS

Tgt Ion:168 Resp: 351854

Ion Ratio Lower Upper

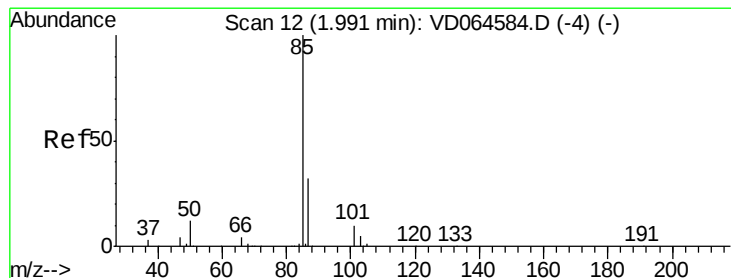
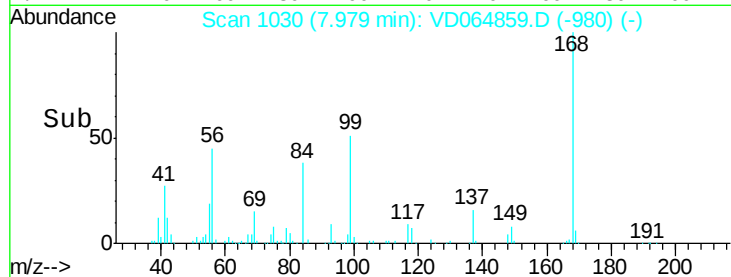
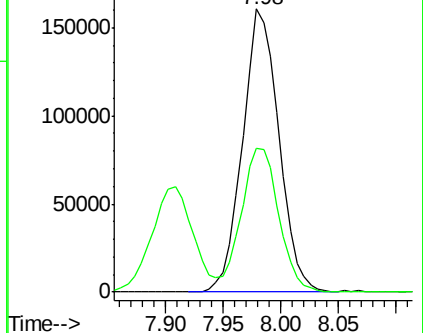
168 100

99 50.7 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 31.34 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064859.D

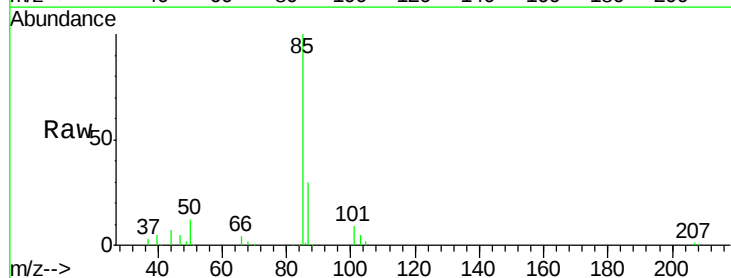
Acq: 17 Jan 2020 13:23

Tgt Ion: 85 Resp: 85692

Ion Ratio Lower Upper

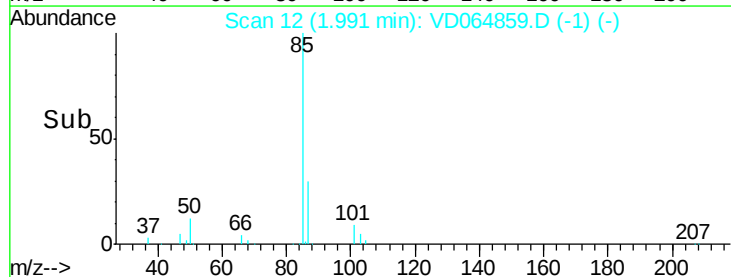
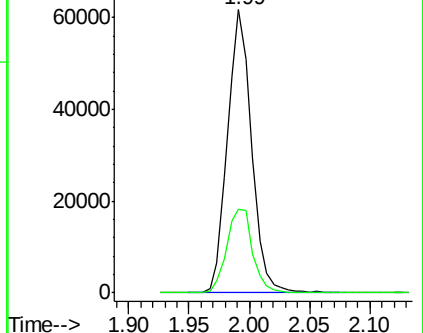
85 100

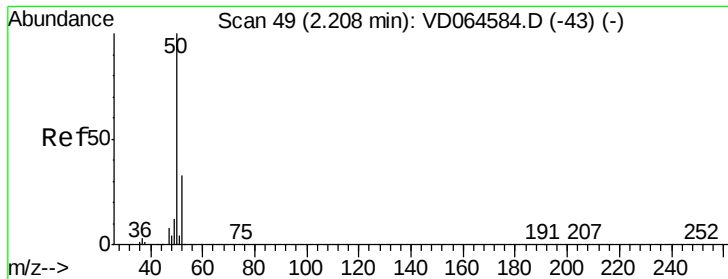
87 29.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 35.32 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

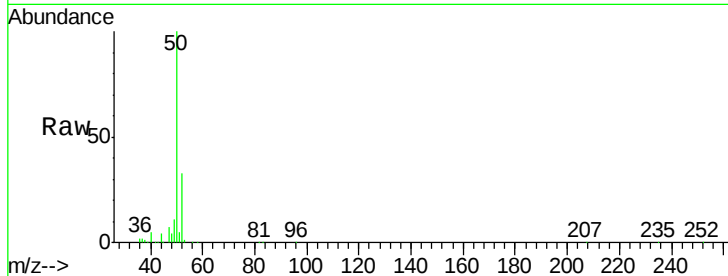
EP-3MS

Tgt Ion: 50 Resp: 135072

Ion Ratio Lower Upper

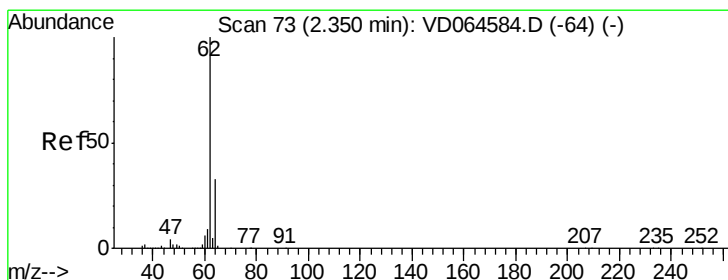
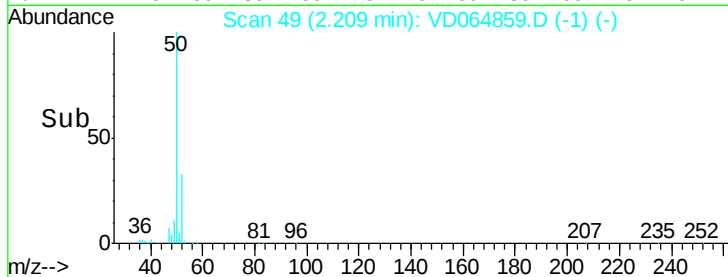
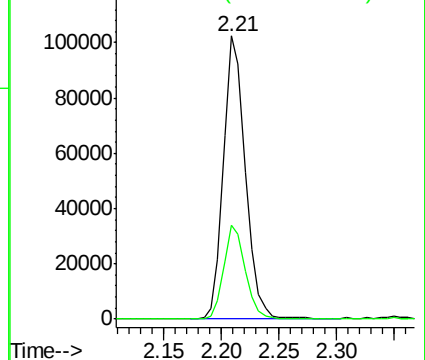
50 100

52 33.4 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 33.69 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064859.D

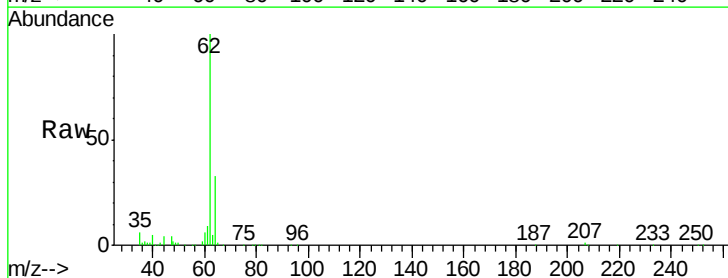
Acq: 17 Jan 2020 13:23

Tgt Ion: 62 Resp: 157082

Ion Ratio Lower Upper

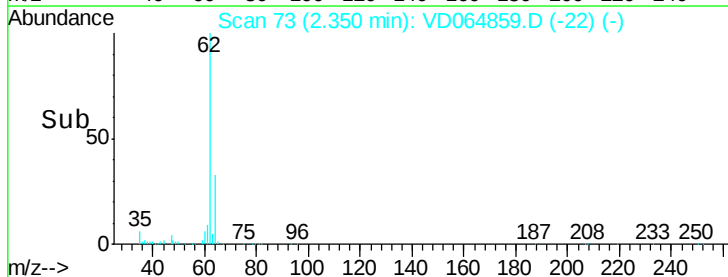
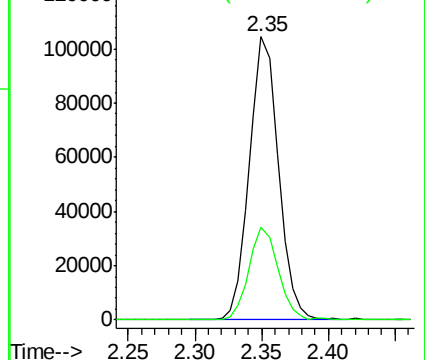
62 100

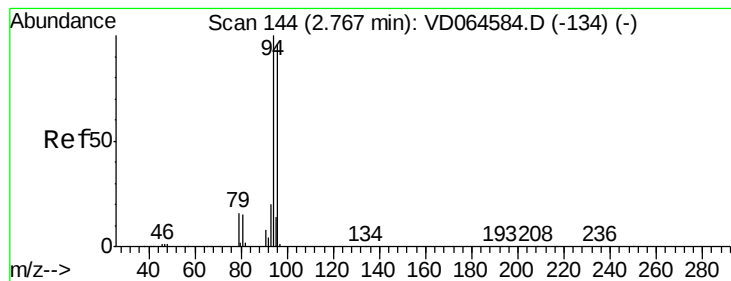
64 32.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 35.01 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

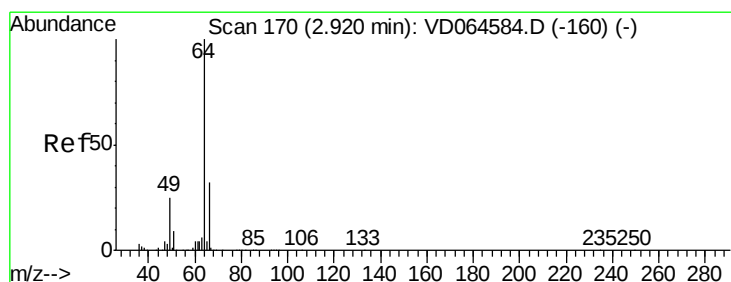
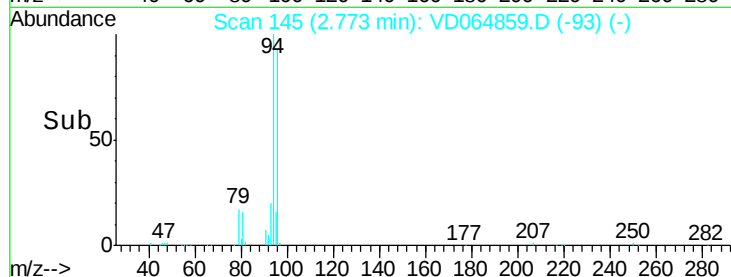
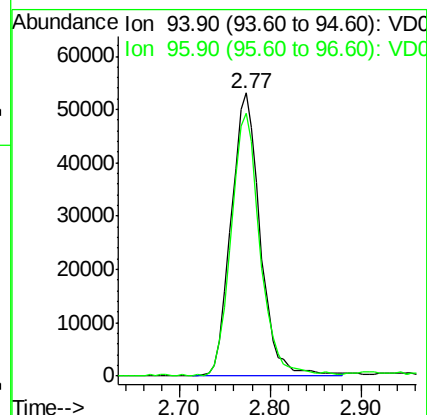
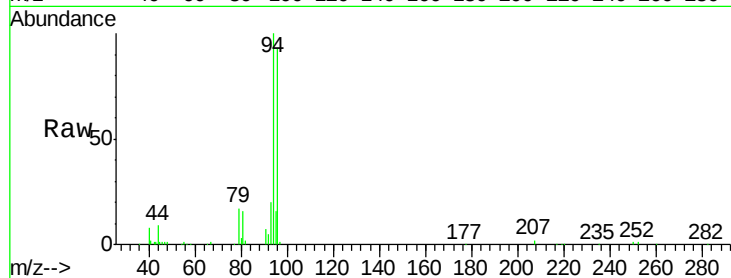
EP-3MS

Tgt Ion: 94 Resp: 118688

Ion Ratio Lower Upper

94 100

96 93.0 77.2 115.8



#6

Chloroethane

Concen: 36.07 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064859.D

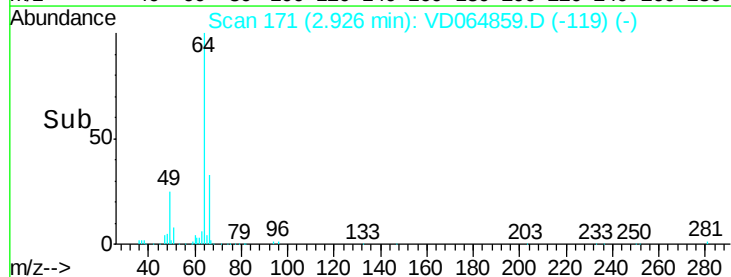
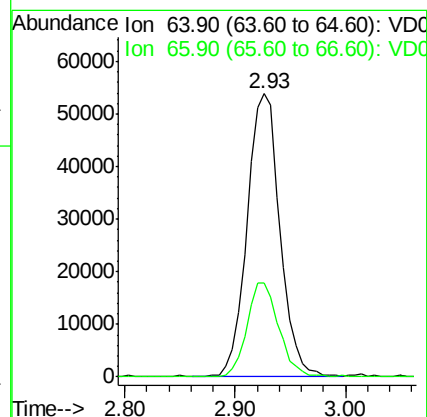
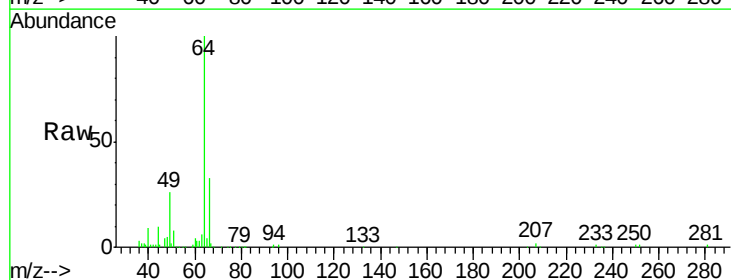
Acq: 17 Jan 2020 13:23

Tgt Ion: 64 Resp: 112695

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9





#7

Trichlorofluoromethane

Concen: 32.49 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

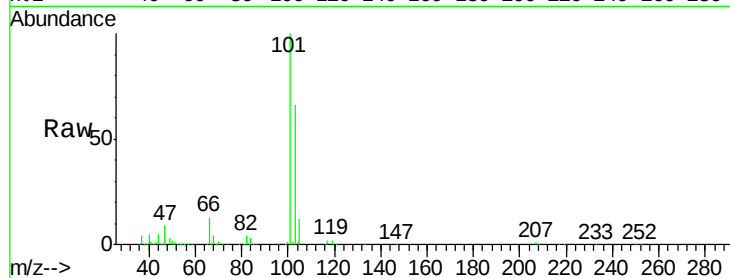
EP-3MS

Tgt Ion:101 Resp: 255104

Ion Ratio Lower Upper

101 100

103 65.8 52.2 78.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

120000

100000

80000

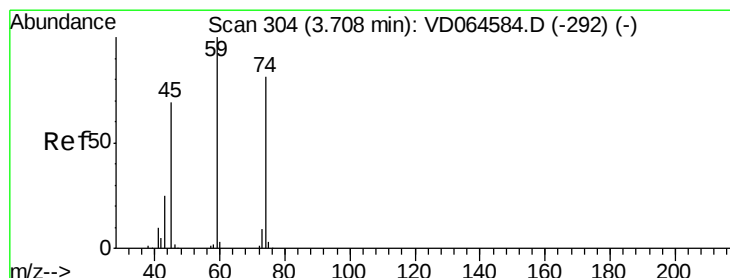
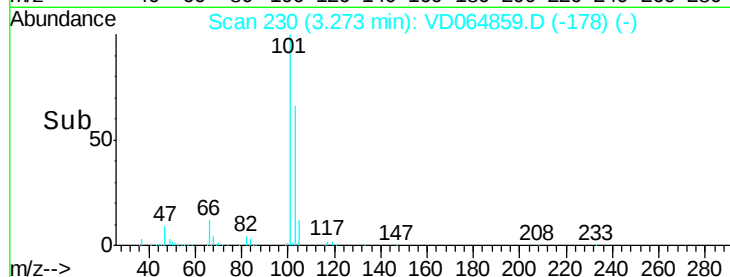
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 43.77 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064859.D

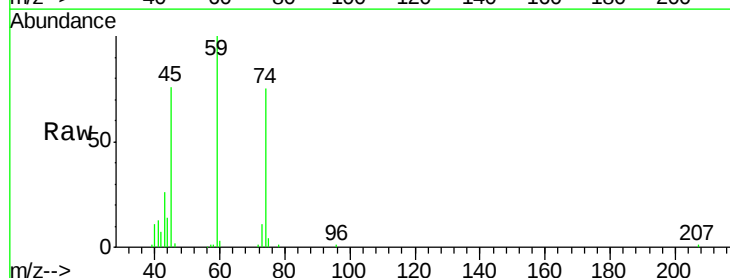
Acq: 17 Jan 2020 13:23

Tgt Ion: 74 Resp: 68233

Ion Ratio Lower Upper

74 100

45 92.5 47.5 142.5



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.71

30000

25000

20000

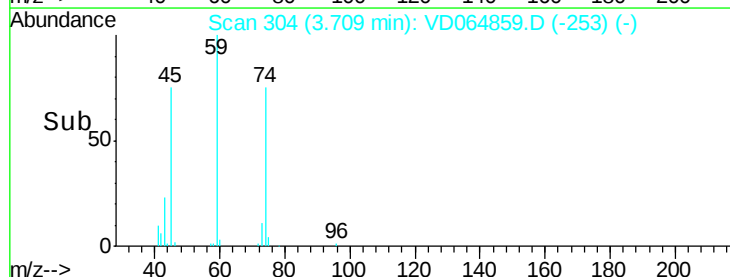
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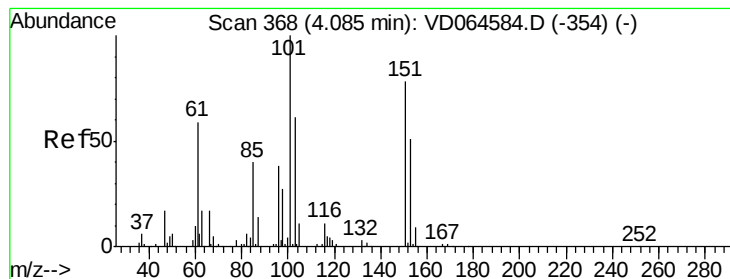
10000

5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.27 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

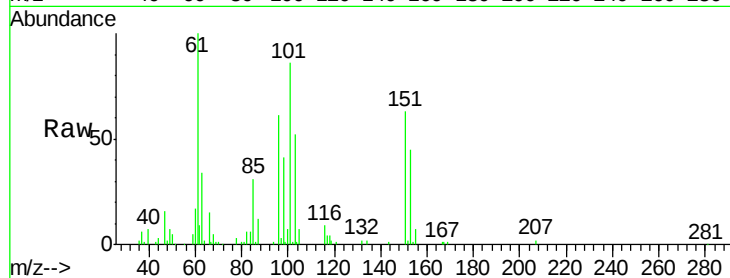
Tgt Ion:101 Resp: 114667

Ion Ratio Lower Upper

101 100

85 44.6 35.2 52.8

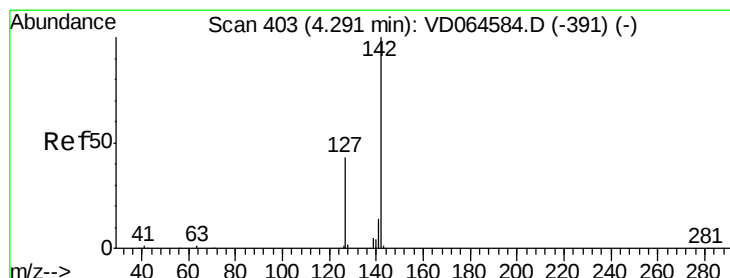
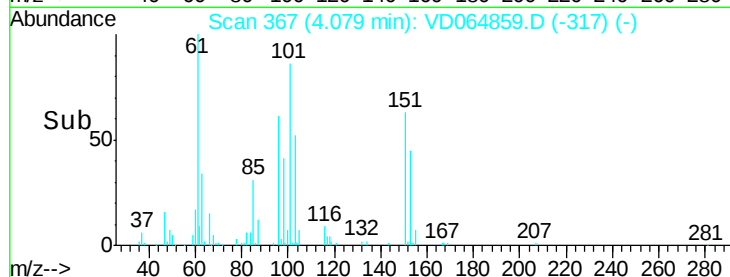
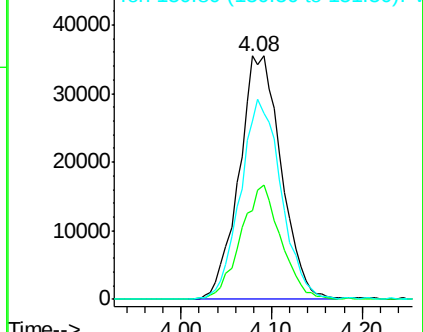
151 79.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 38.99 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

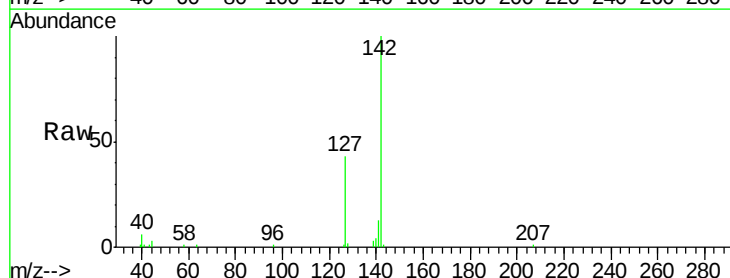
Tgt Ion:142 Resp: 136180

Ion Ratio Lower Upper

142 100

127 46.2 36.2 54.4

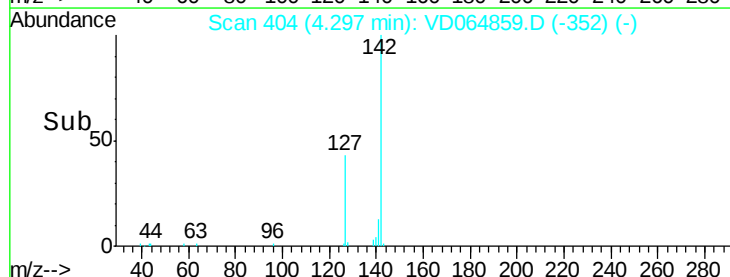
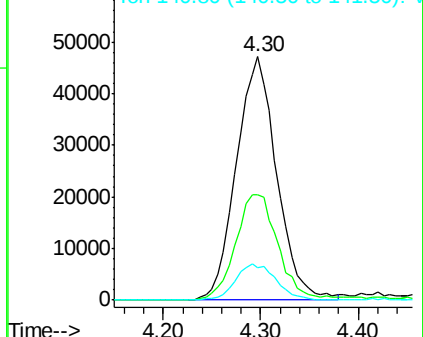
141 14.9 11.8 17.8

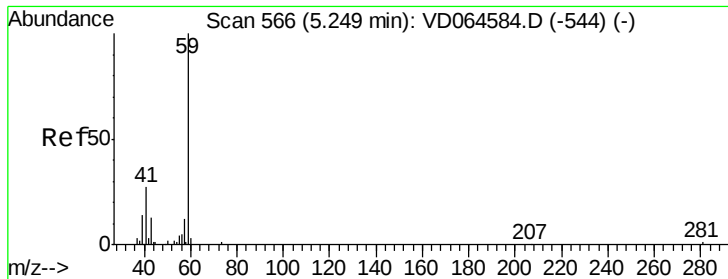


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

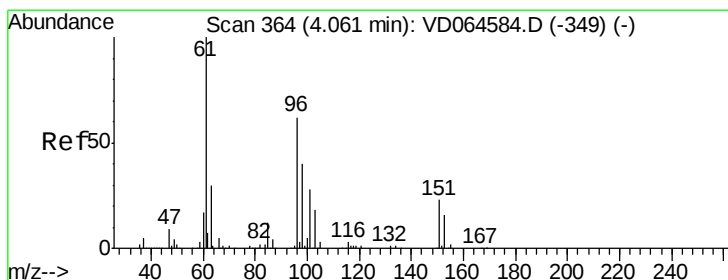
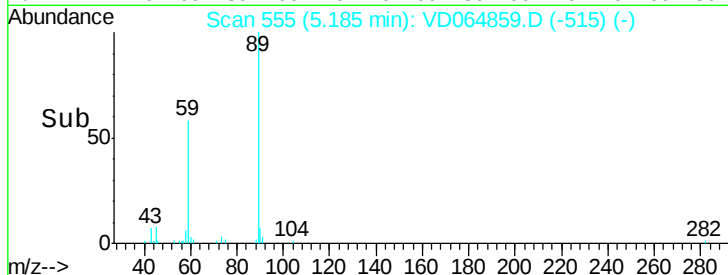
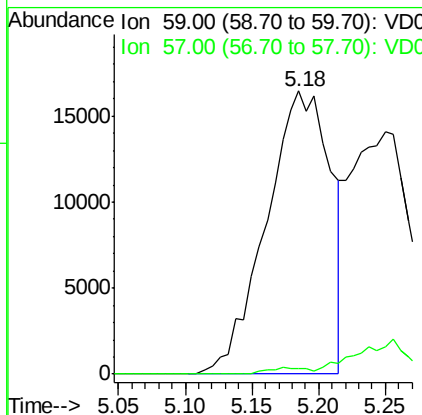
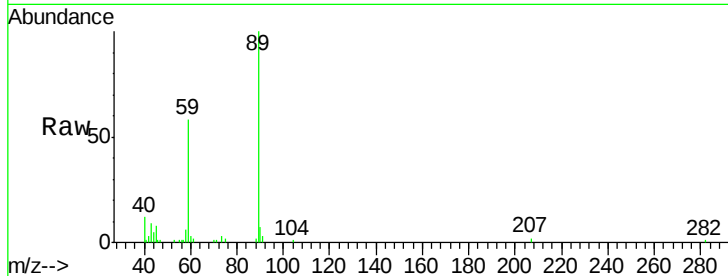




#11
Tert butyl alcohol
Concen: 309.41 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

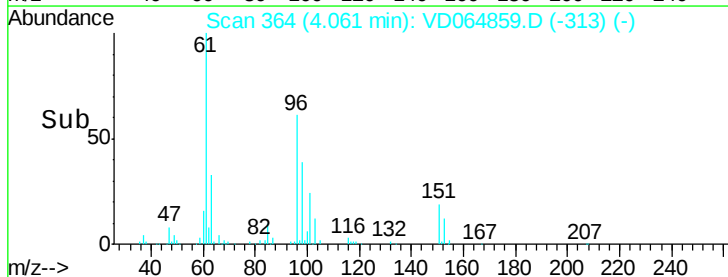
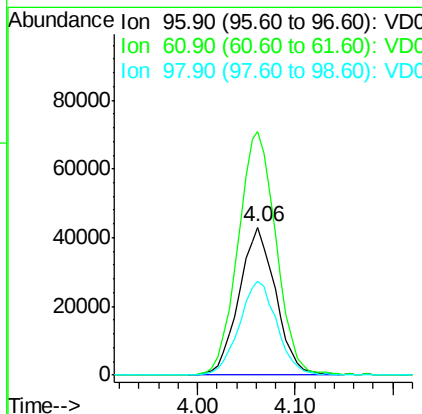
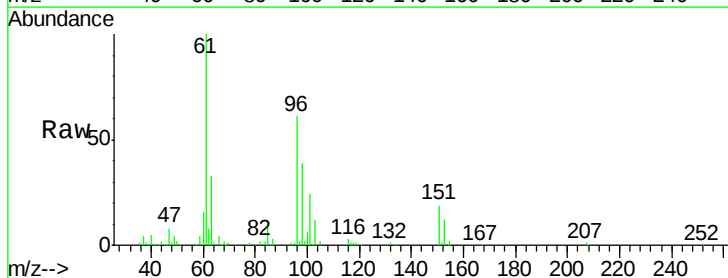
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

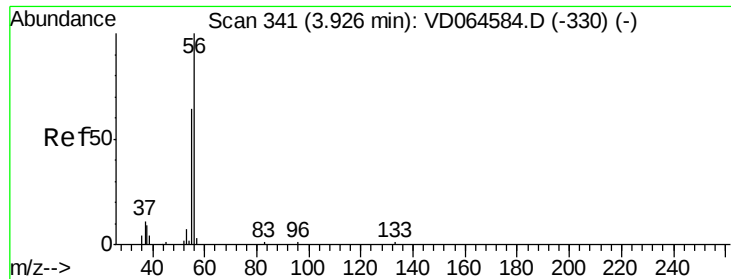
Tgt Ion: 59 Resp: 55017
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 36.26 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 96 Resp: 112255
Ion Ratio Lower Upper
96 100
61 164.4 129.4 194.0
98 63.6 51.4 77.0





#13

Acrolein

Concen: 162.79 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

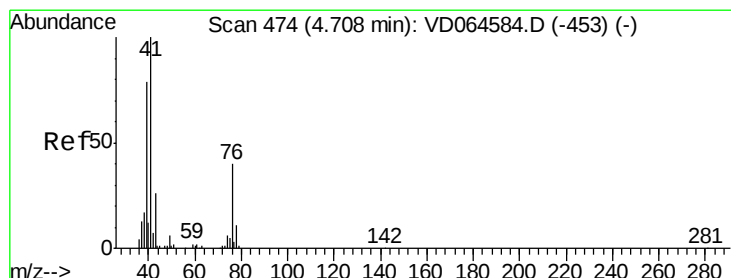
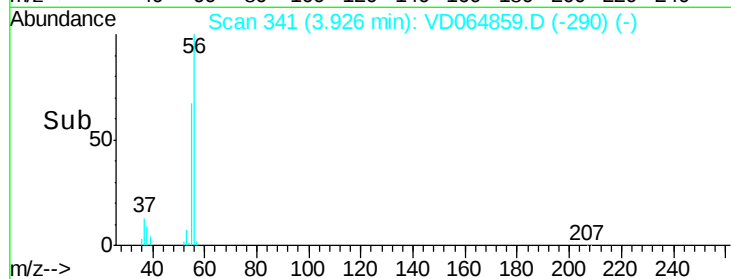
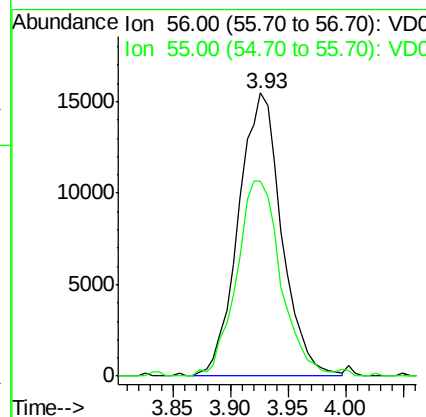
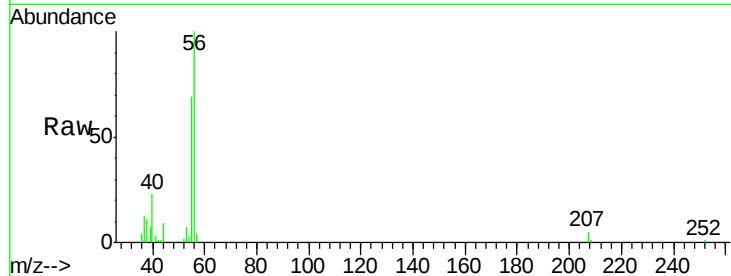
EP-3MS

Tgt Ion: 56 Resp: 40340

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Allyl chloride

Concen: 41.13 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

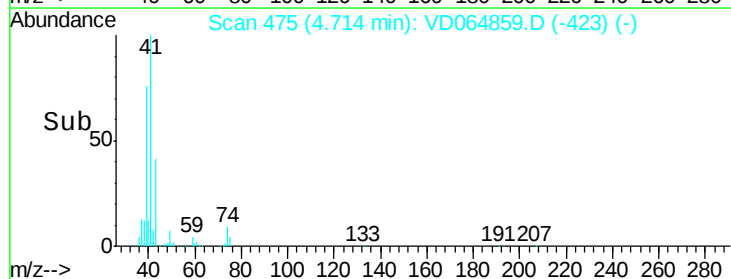
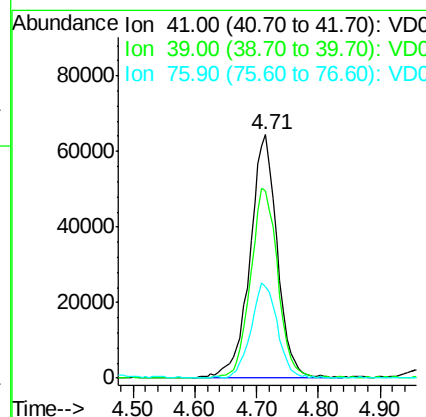
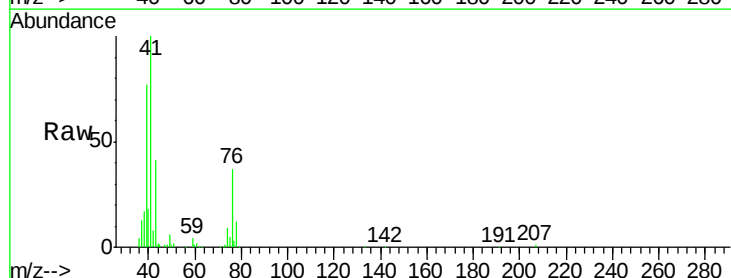
Tgt Ion: 41 Resp: 198493

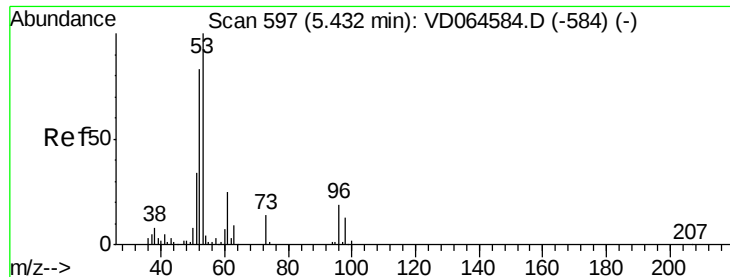
Ion Ratio Lower Upper

41 100

39 77.6 62.3 93.5

76 36.8 29.7 44.5





#15

Acrylonitrile

Concen: 240.88 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

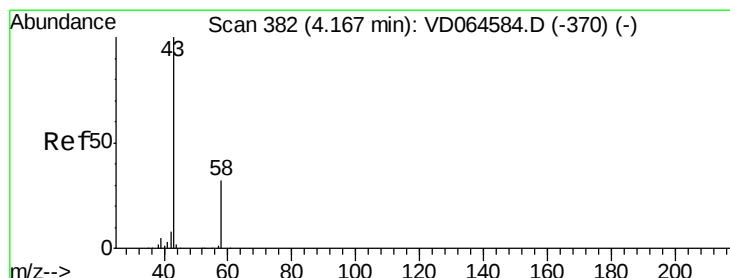
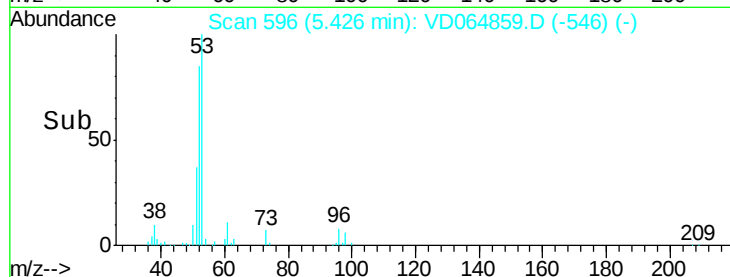
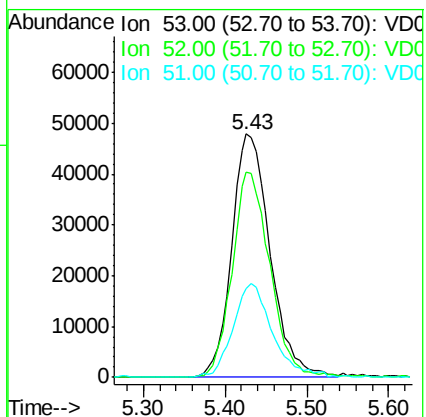
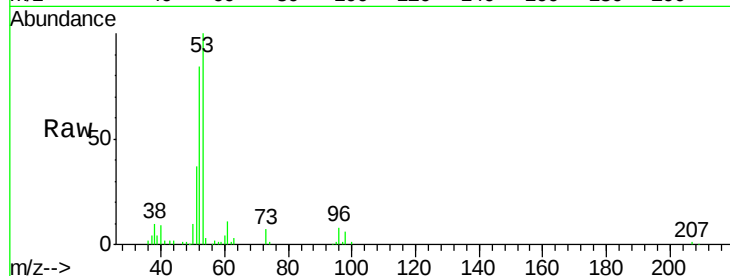
Tgt Ion: 53 Resp: 156426

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

51 39.7 30.1 45.1



#16

Acetone

Concen: 338.47 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064859.D

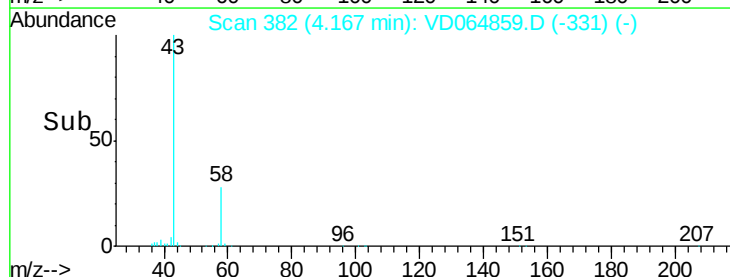
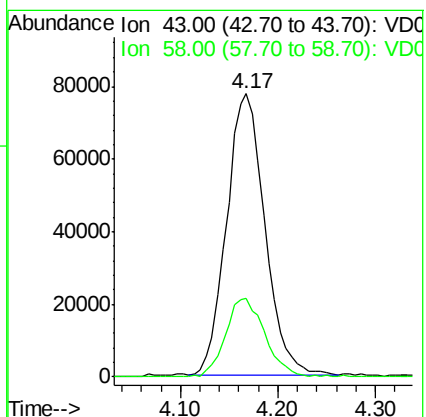
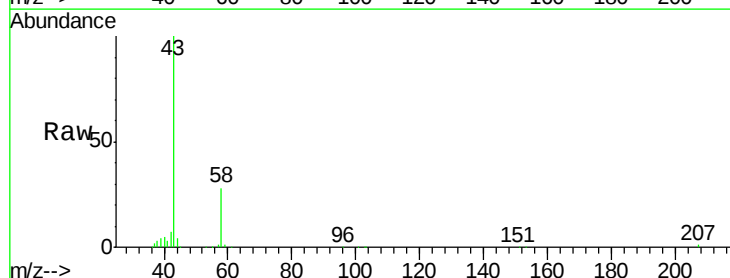
Acq: 17 Jan 2020 13:23

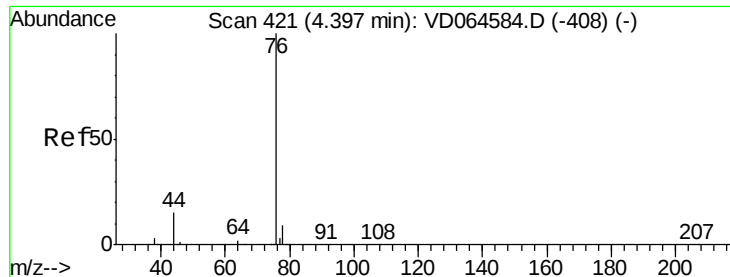
Tgt Ion: 43 Resp: 212433

Ion Ratio Lower Upper

43 100

58 27.8 25.8 38.6

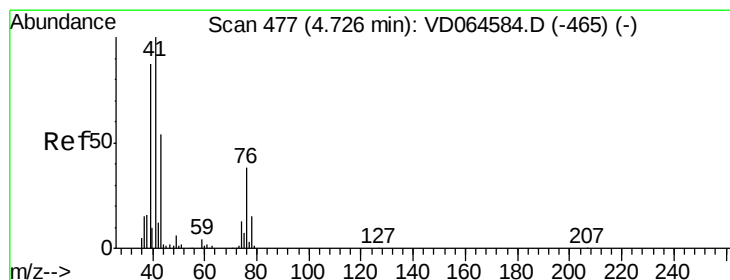
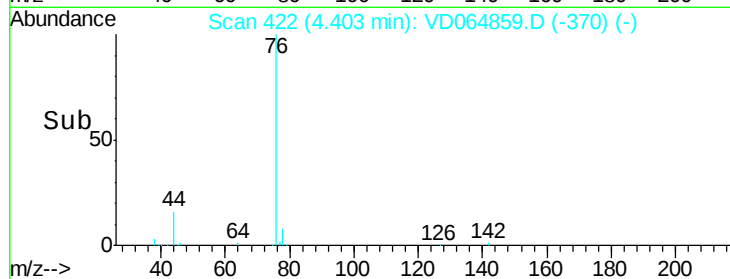
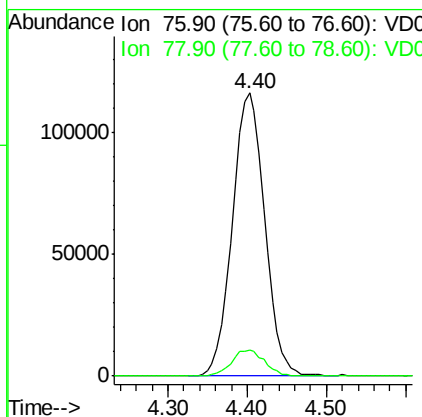
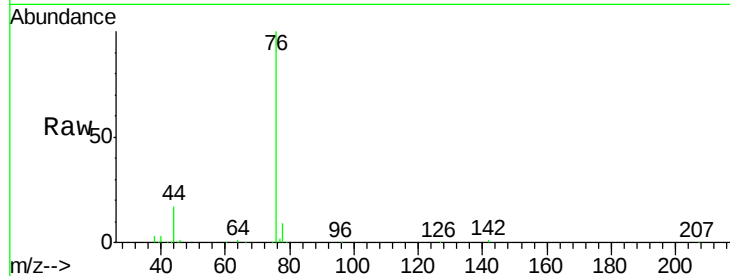




#17
Carbon Disulfide
Concen: 32.98 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

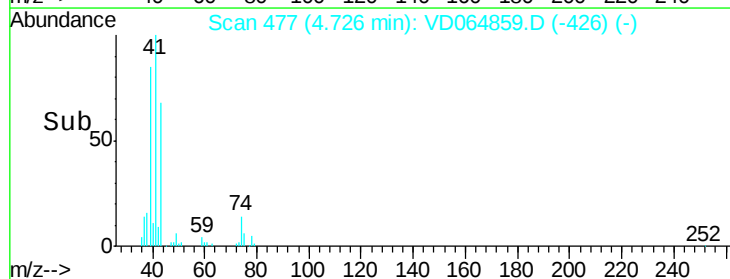
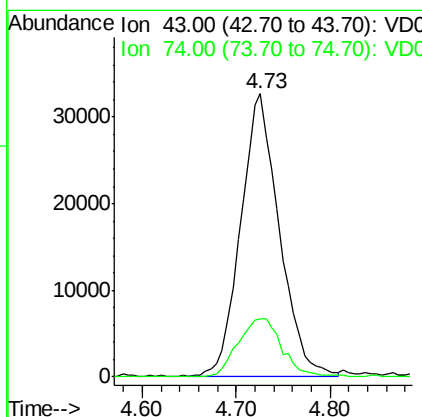
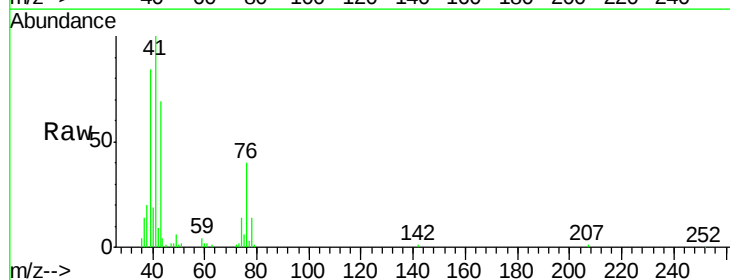
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

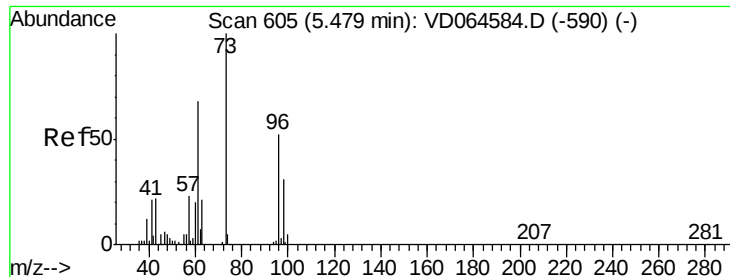
Tgt Ion: 76 Resp: 330126
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 53.43 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 43 Resp: 93323
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 47.35 ug/l

RT: 5.48 min Scan# 606

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

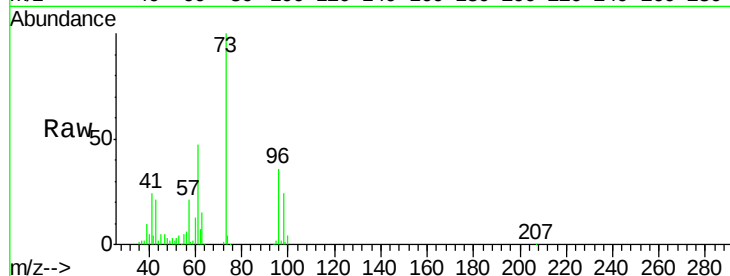
EP-3MS

Tgt Ion: 73 Resp: 325530

Ion Ratio Lower Upper

73 100

57 20.7 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.48

100000

80000

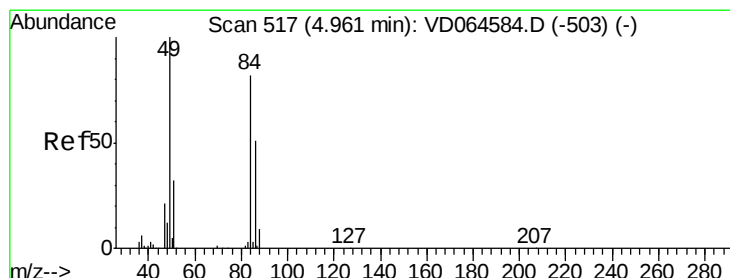
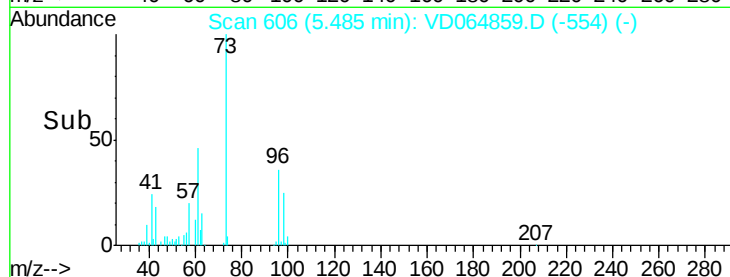
60000

40000

20000

0

Time--> 5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 47.57 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion: 84 Resp: 151713

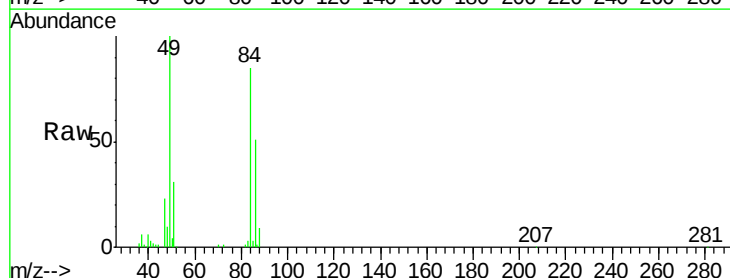
Ion Ratio Lower Upper

84 100

49 117.3 97.2 145.8

51 36.9 31.4 47.0

86 60.1 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

80000

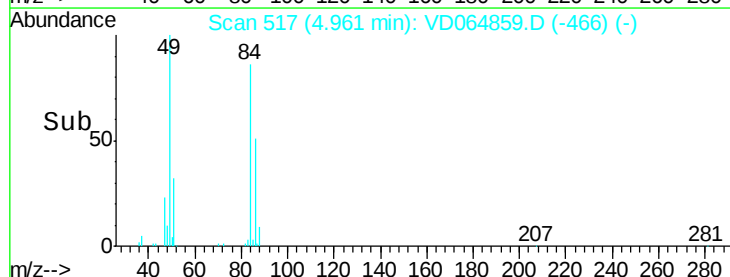
60000

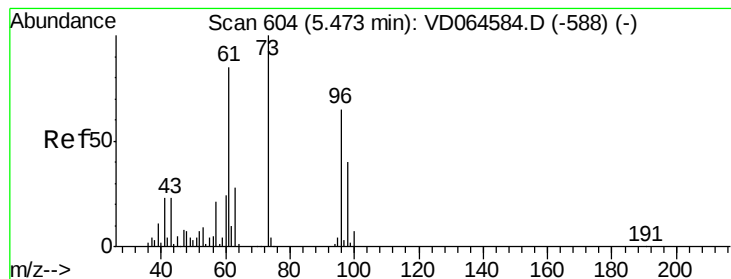
40000

20000

0

Time--> 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 39.73 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

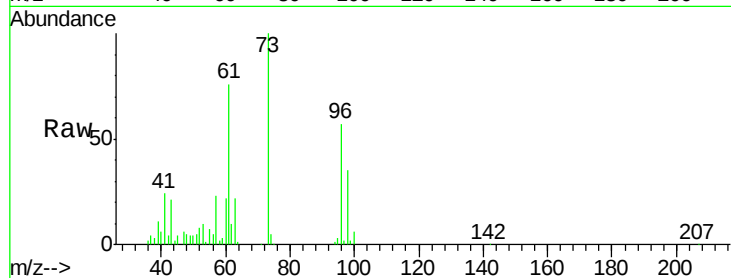
Tgt Ion: 96 Resp: 140053

Ion Ratio Lower Upper

96 100

61 133.6 104.7 157.1

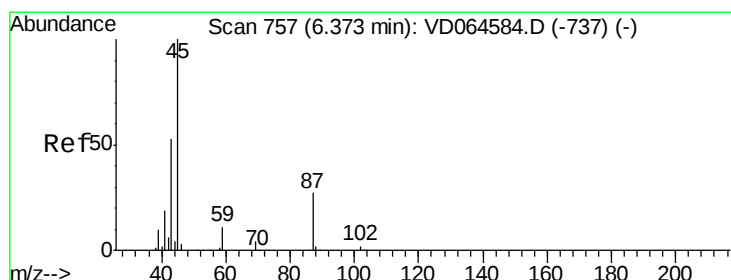
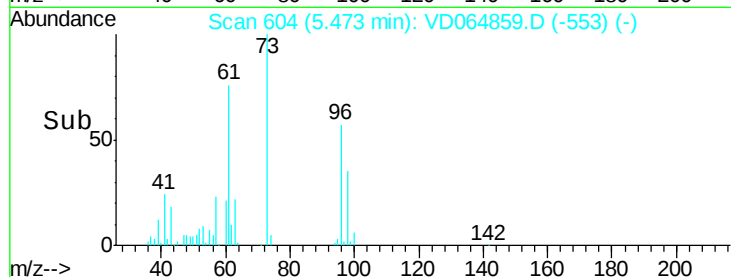
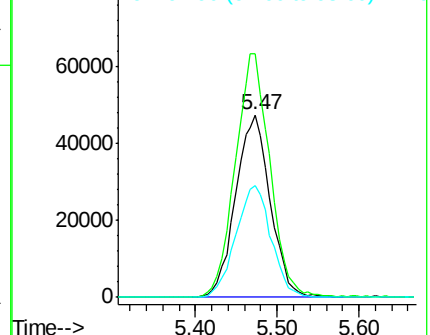
98 61.2 49.4 74.2



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: 46.43 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion: 45 Resp: 446946

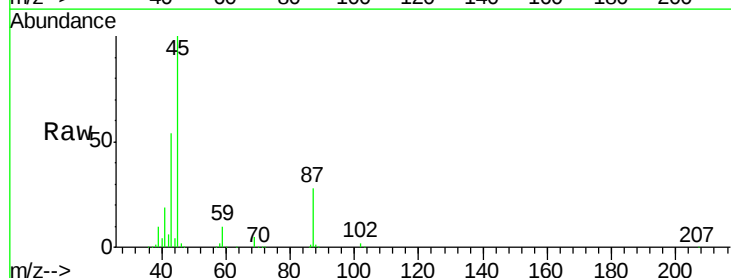
Ion Ratio Lower Upper

45 100

43 53.2 43.2 64.8

87 27.8 21.9 32.9

59 10.2 9.0 13.4

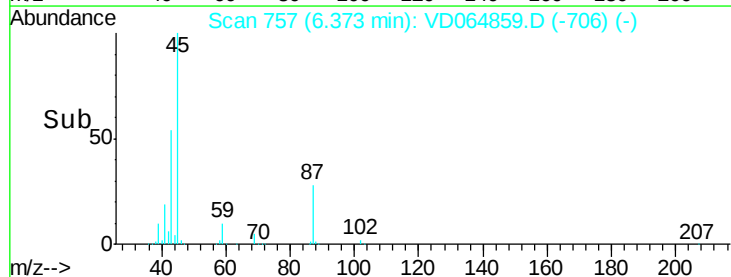
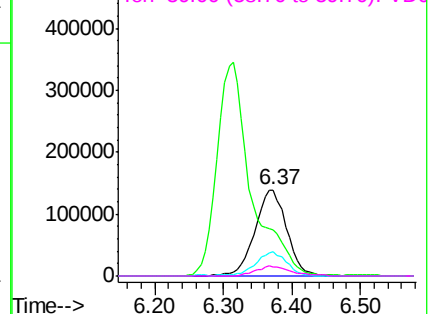


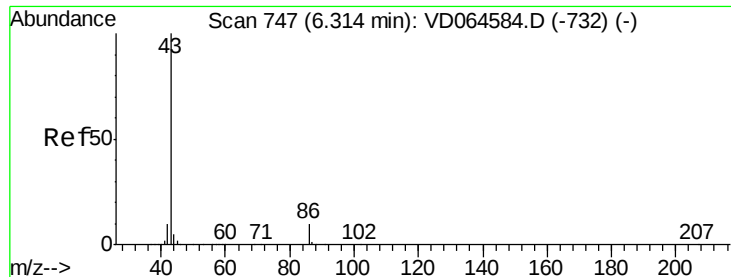
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 220.42 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

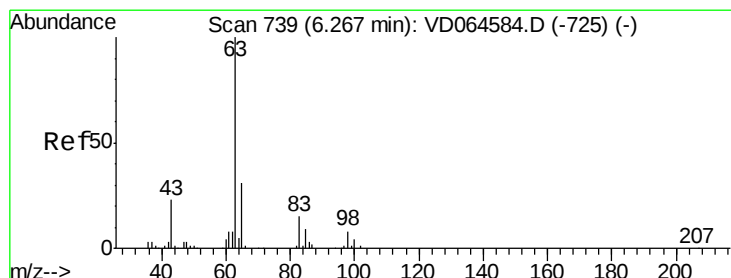
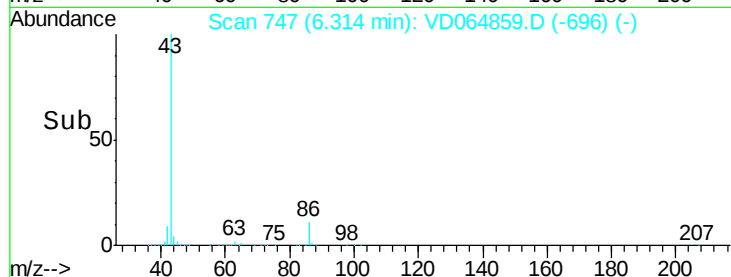
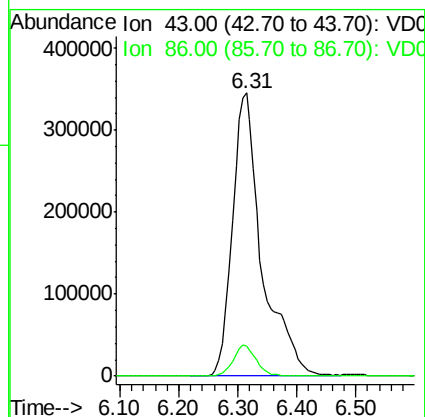
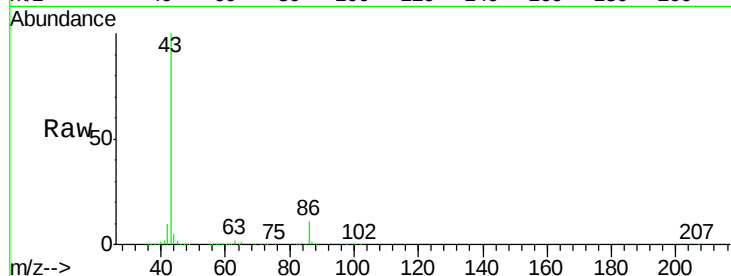
EP-3MS

Tgt Ion: 43 Resp: 1203657

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 43.77 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

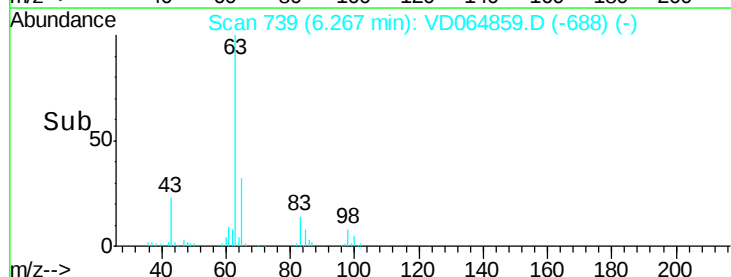
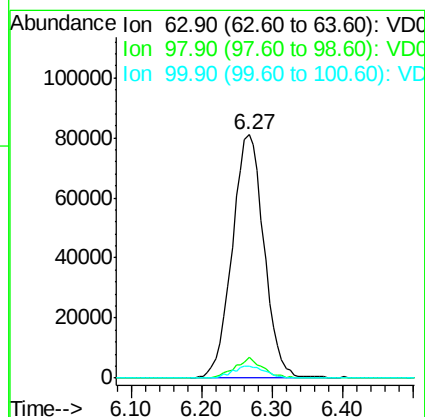
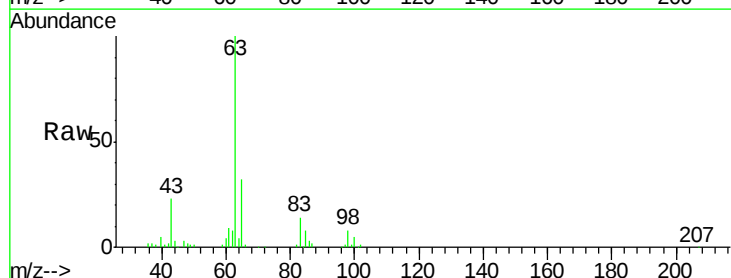
Tgt Ion: 63 Resp: 252954

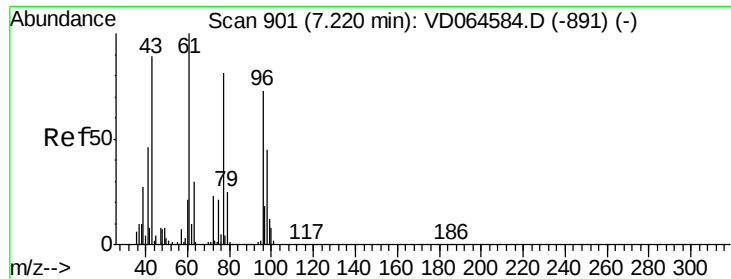
Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 266.39 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

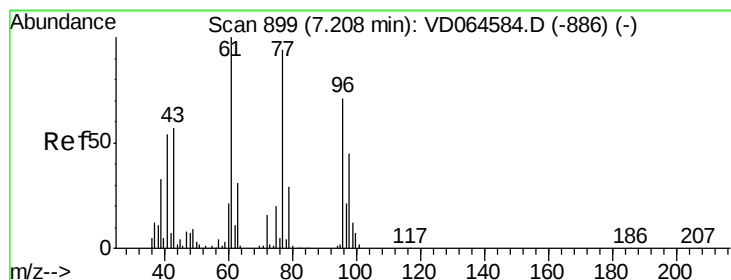
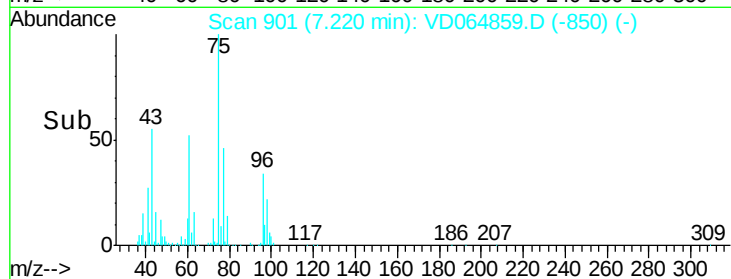
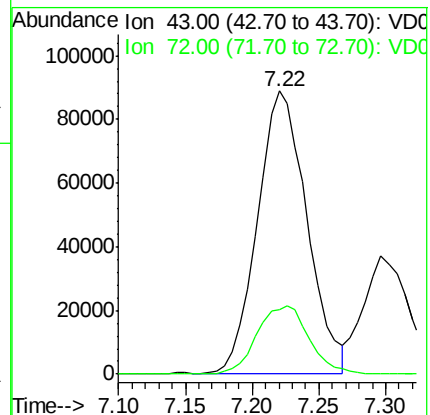
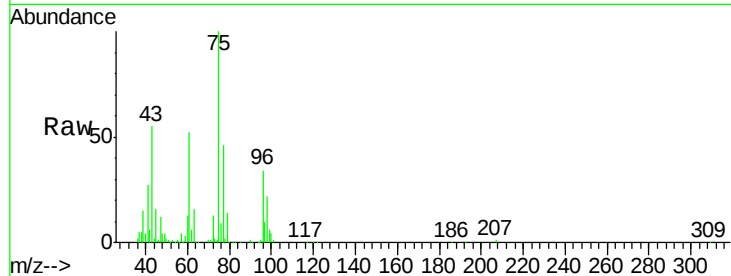
EP-3MS

Tgt Ion: 43 Resp: 227185

Ion Ratio Lower Upper

43 100

72 22.9 20.7 31.1



#26

2,2-Dichloropropane

Concen: 44.95 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064859.D

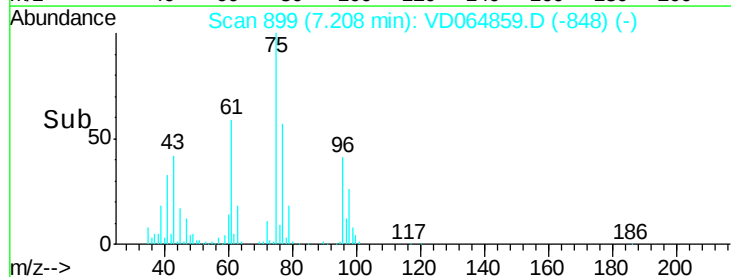
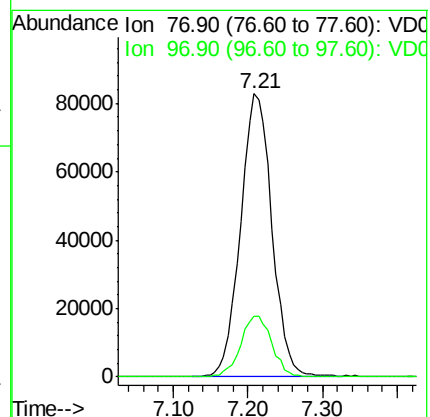
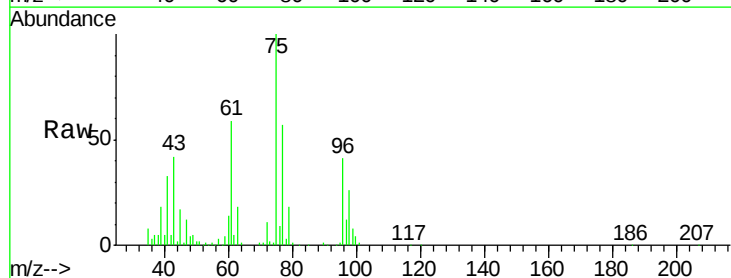
Acq: 17 Jan 2020 13:23

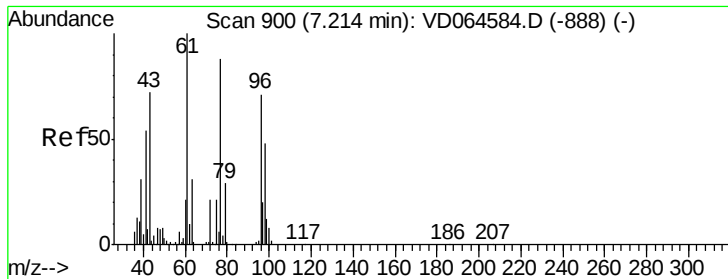
Tgt Ion: 77 Resp: 241537

Ion Ratio Lower Upper

77 100

97 21.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 42.26 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

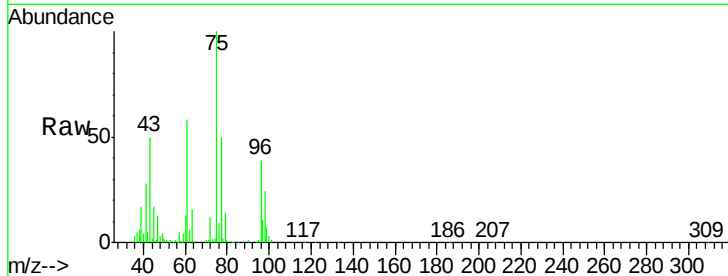
Tgt Ion: 96 Resp: 160803

Ion Ratio Lower Upper

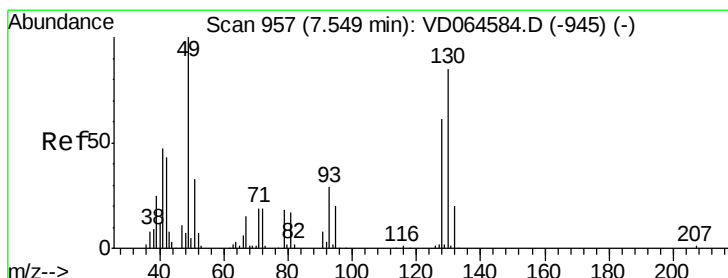
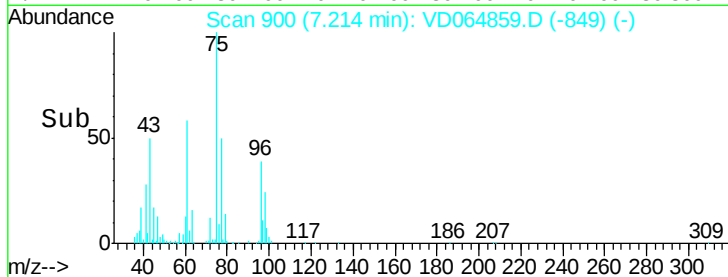
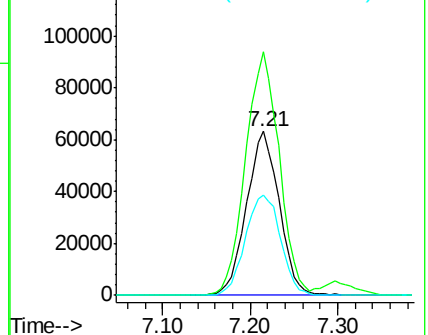
96 100

61 152.1 0.0 282.6

98 65.4 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: 53.93 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

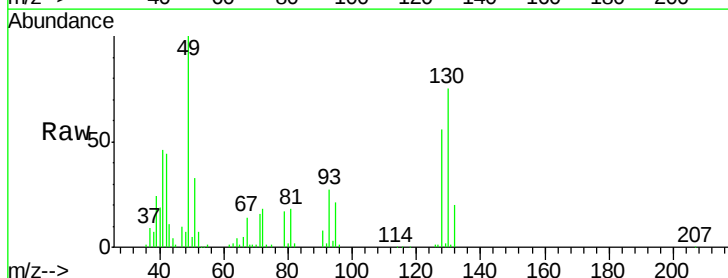
Tgt Ion: 49 Resp: 121146

Ion Ratio Lower Upper

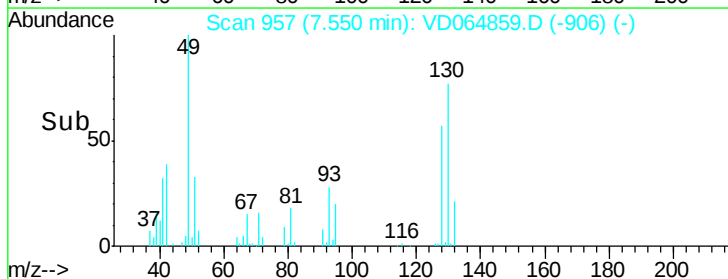
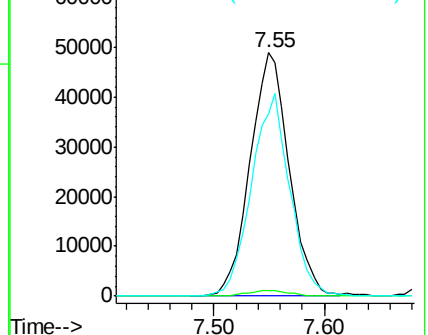
49 100

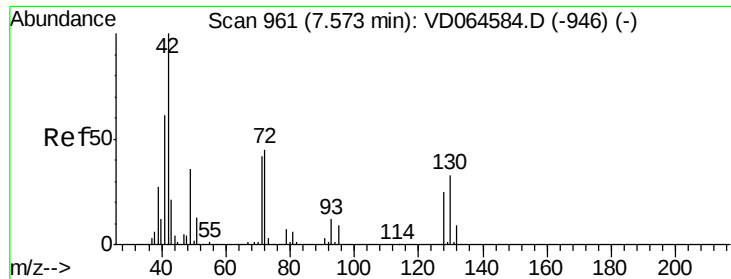
129 2.4 0.0 4.8

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): VDC
Ion 129.80 (129.50 to 130.50): VDC

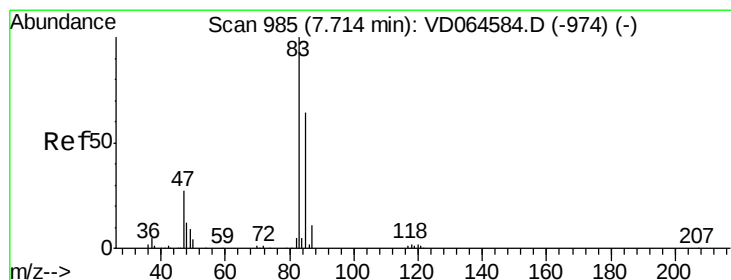
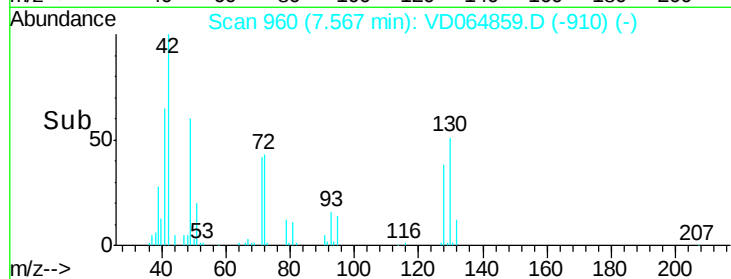
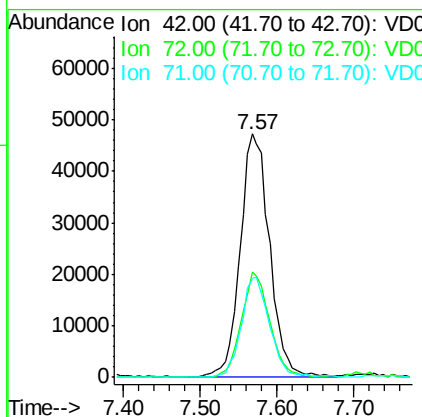
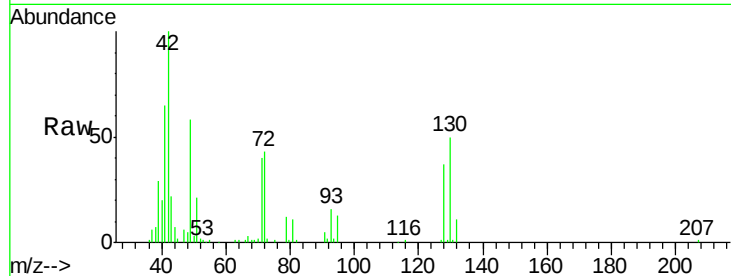




#29
Tetrahydrofuran
Concen: 239.16 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

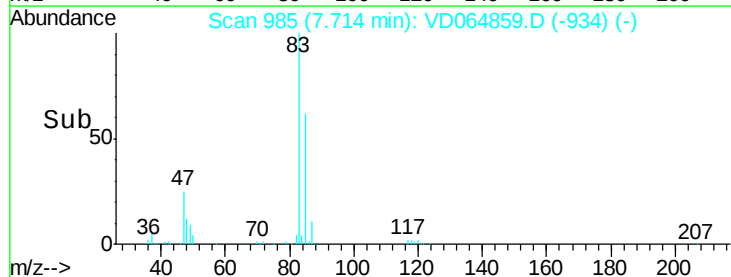
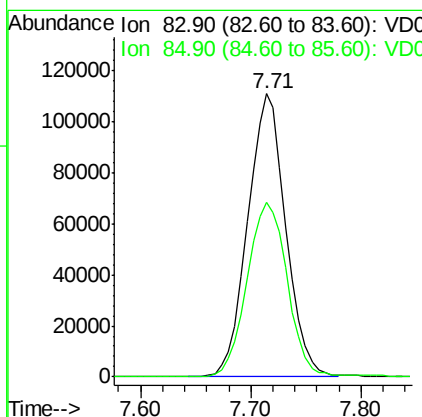
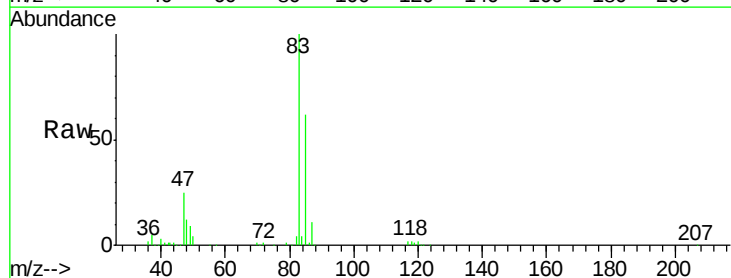
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

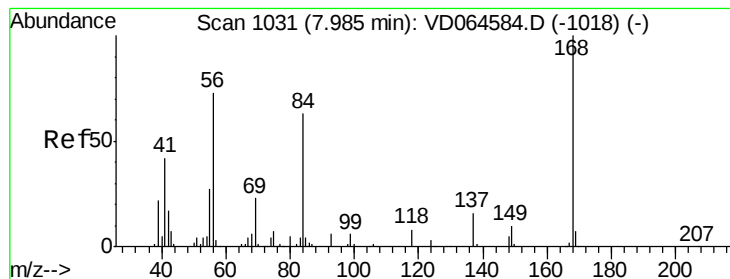
Tgt Ion: 42 Resp: 126842
Ion Ratio Lower Upper
42 100
72 41.7 35.0 52.4
71 39.5 32.9 49.3



#30
Chloroform
Concen: 44.18 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 83 Resp: 267864
Ion Ratio Lower Upper
83 100
85 61.8 51.1 76.7





#31

Cyclohexane

Concen: 32.97 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

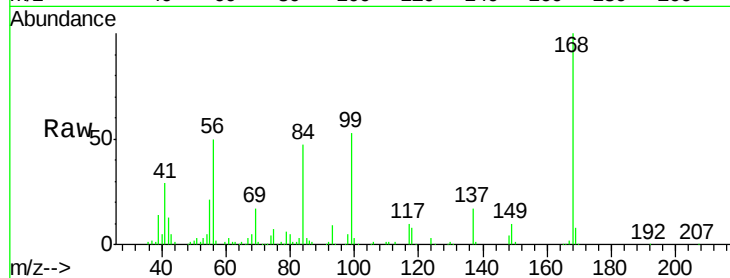
Tgt Ion: 56 Resp: 190726

Ion Ratio Lower Upper

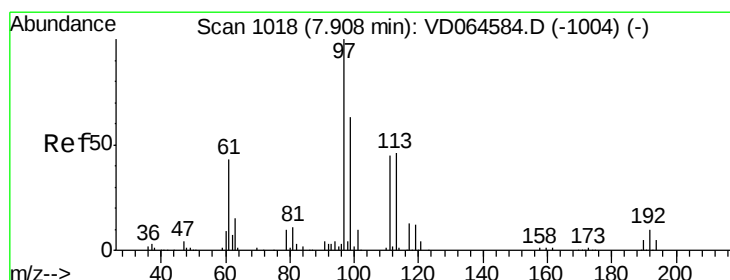
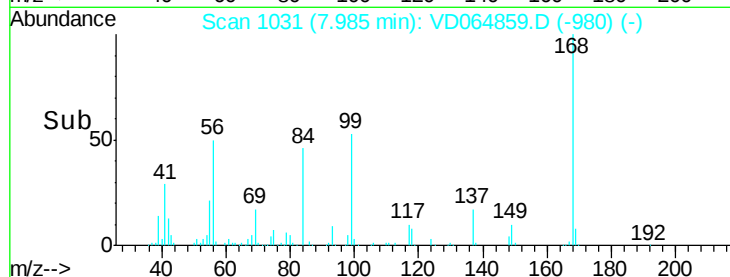
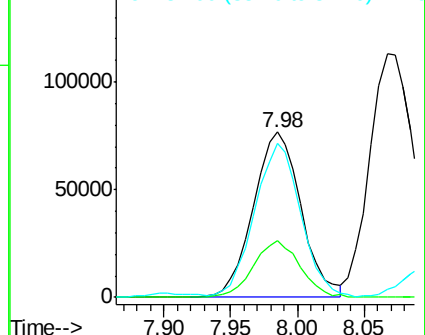
56 100

69 34.3 24.7 37.1

84 91.6 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: 40.72 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

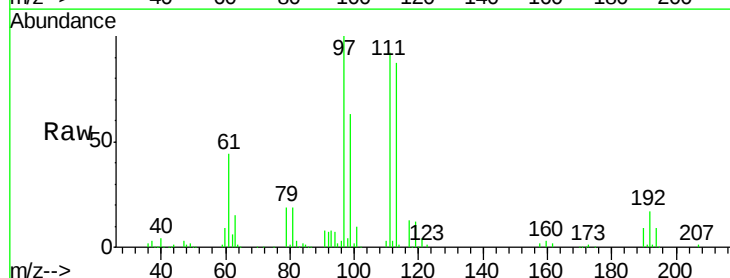
Tgt Ion: 97 Resp: 231928

Ion Ratio Lower Upper

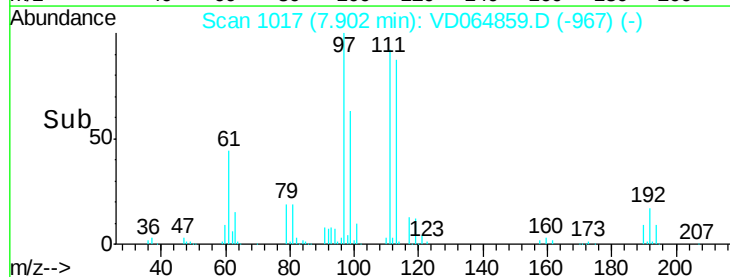
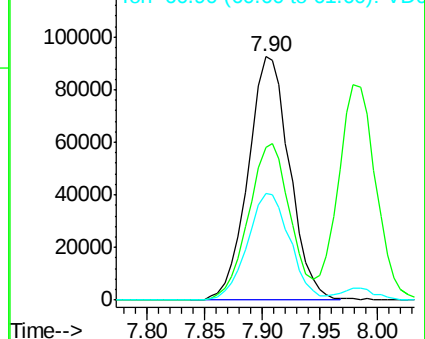
97 100

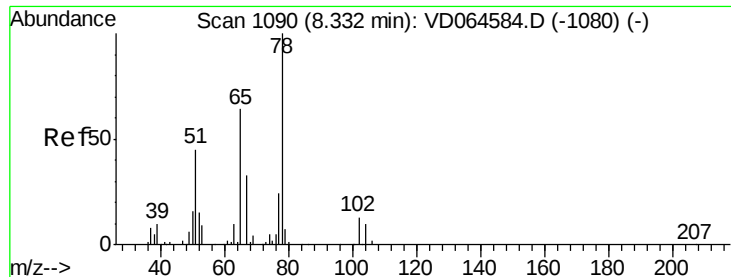
99 64.7 51.0 76.6

61 44.8 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

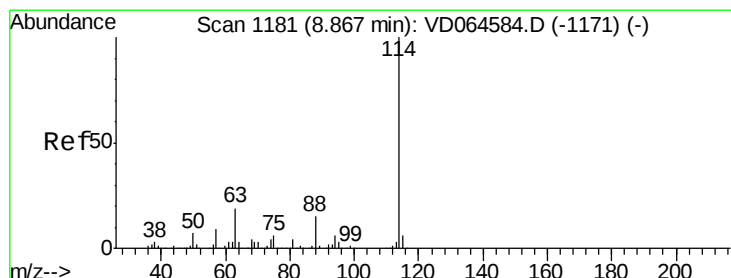
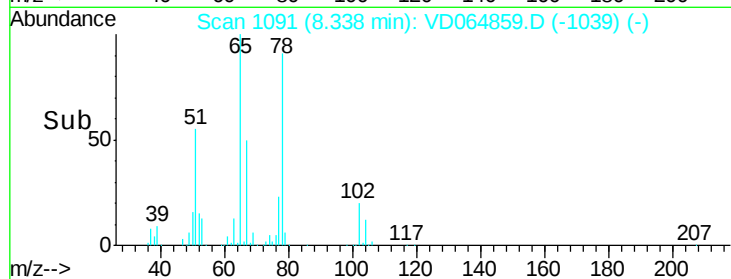
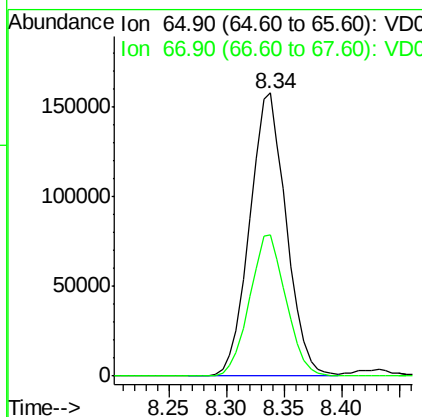
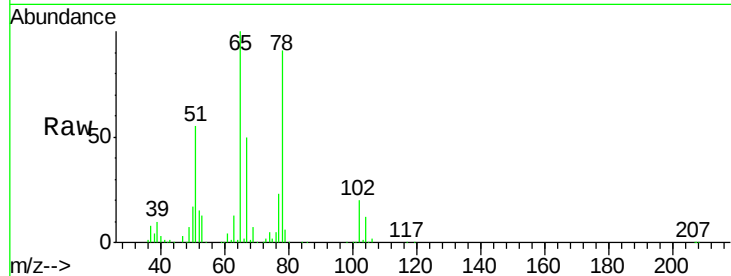




#33
 1,2-Dichloroethane-d4
 Concen: 112.44 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

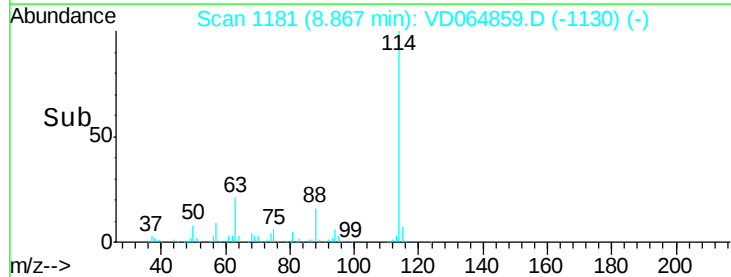
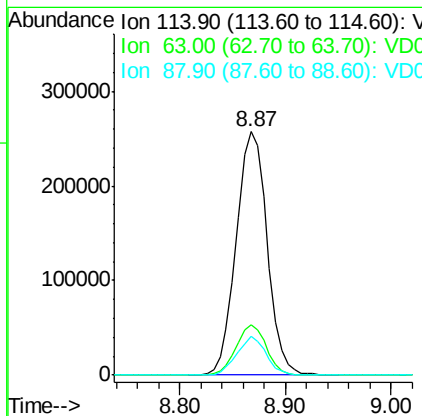
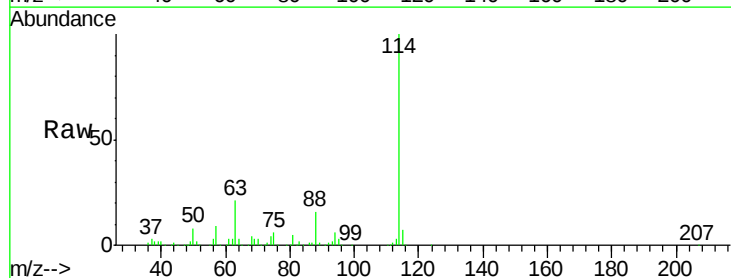
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

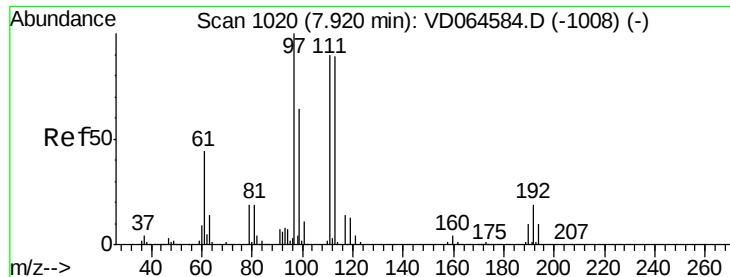
Tgt Ion: 65 Resp: 348868
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 114 Resp: 523107
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.0
 88 15.8 0.0 29.2

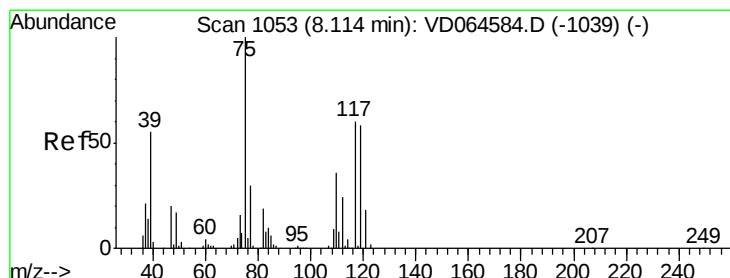
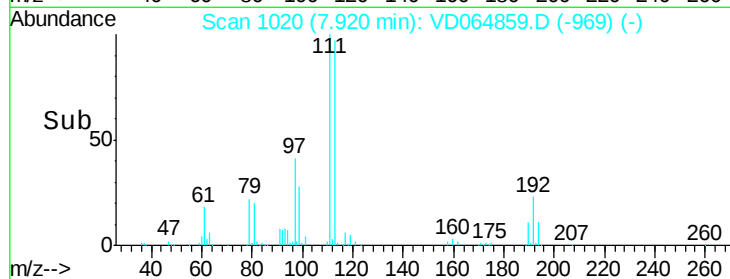
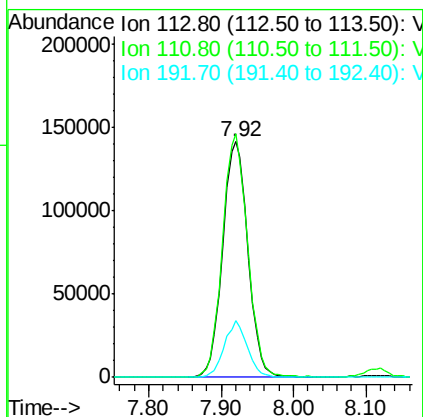
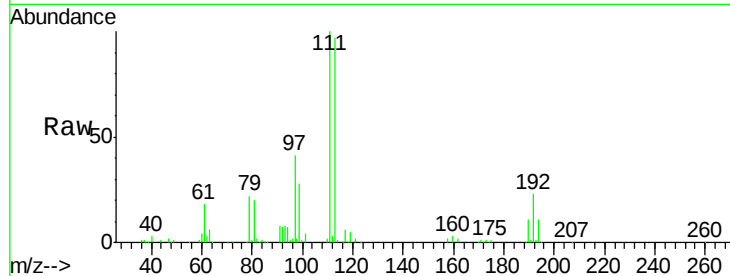




#35
 Dibromofluoromethane
 Concen: 106.56 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

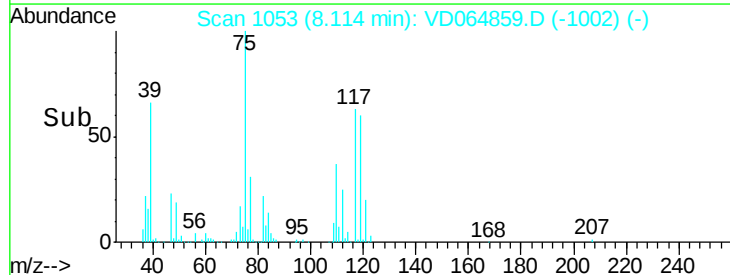
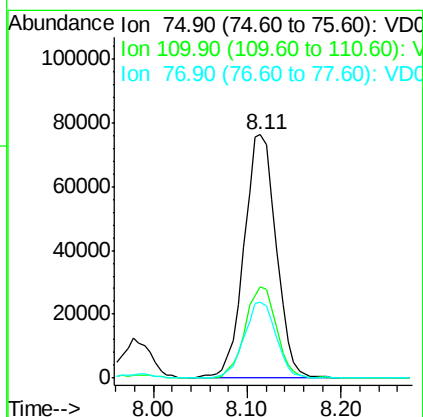
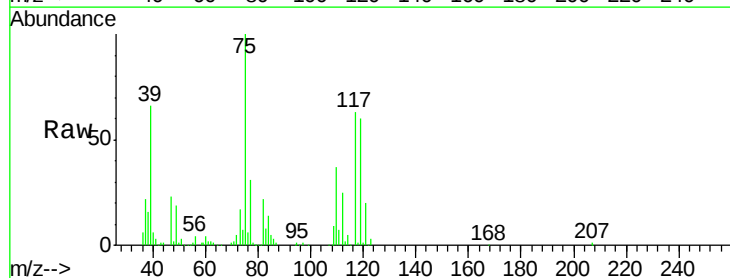
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	121.0
192	22.1	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 35.65 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.1
77	31.5	24.2	36.4

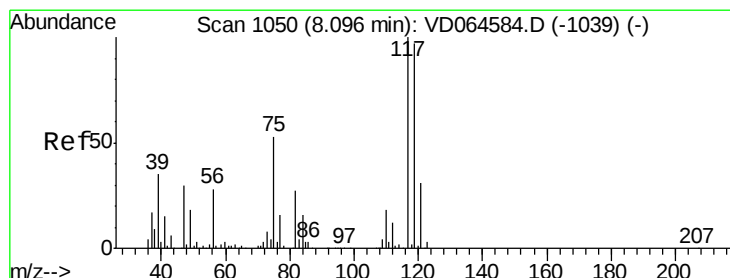
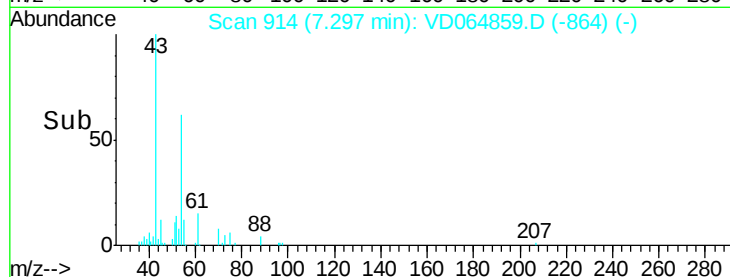
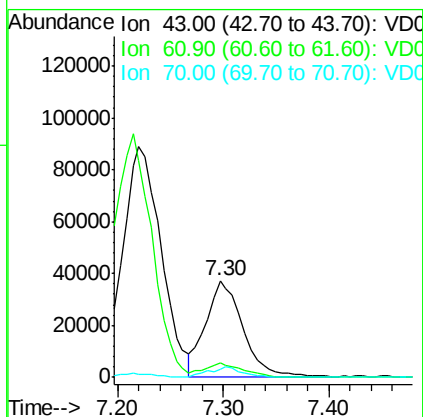
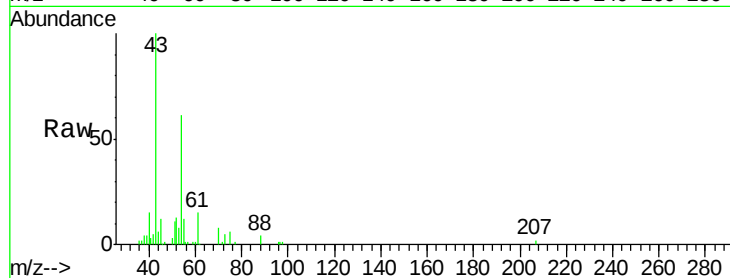




#37
Ethyl Acetate
Concen: 45.74 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

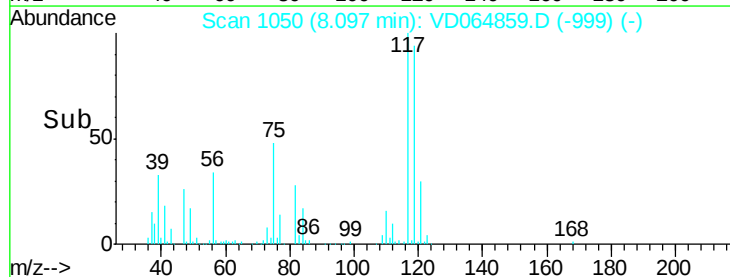
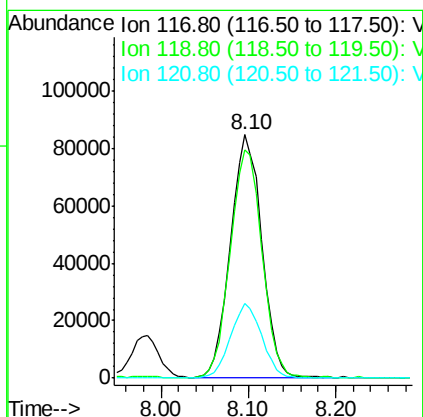
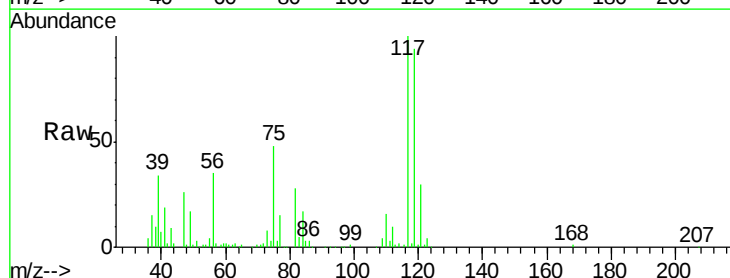
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

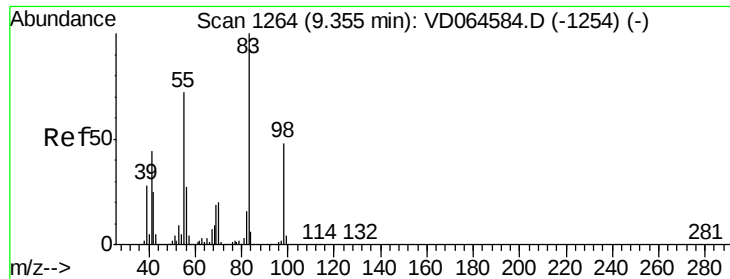
Tgt Ion: 43 Resp: 90475
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 8.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 38.25 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 117 Resp: 205327
Ion Ratio Lower Upper
117 100
119 94.1 77.3 115.9
121 30.5 25.0 37.6

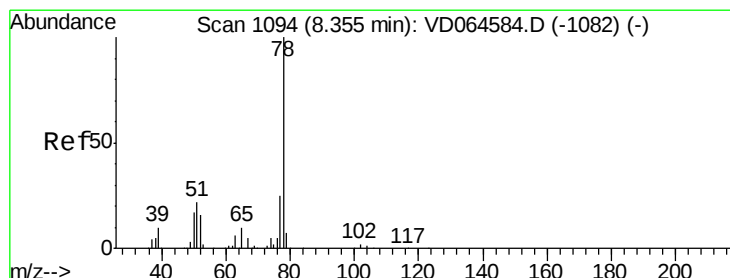
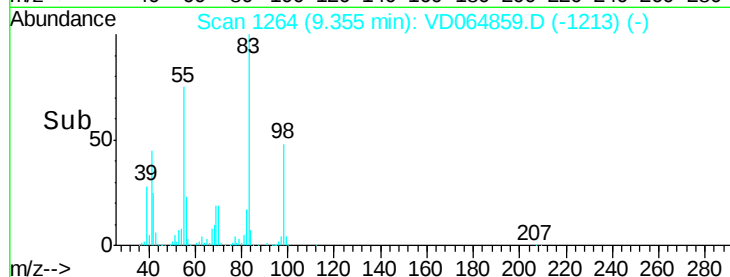
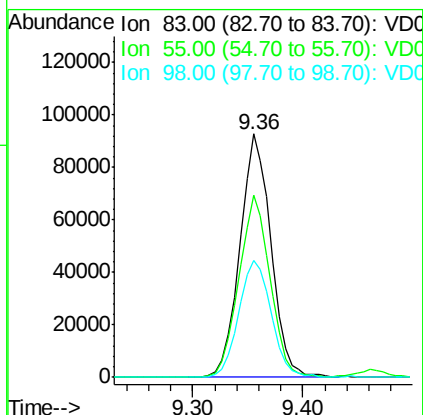
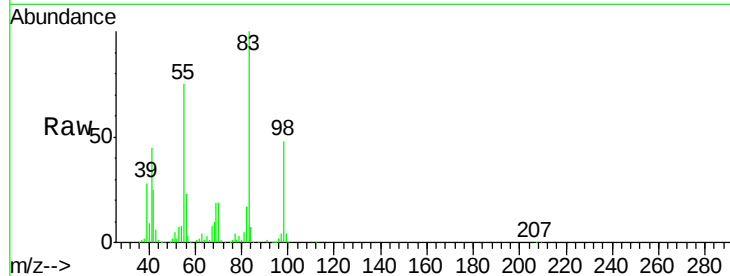




#39
Methylcyclohexane
Concen: 30.11 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

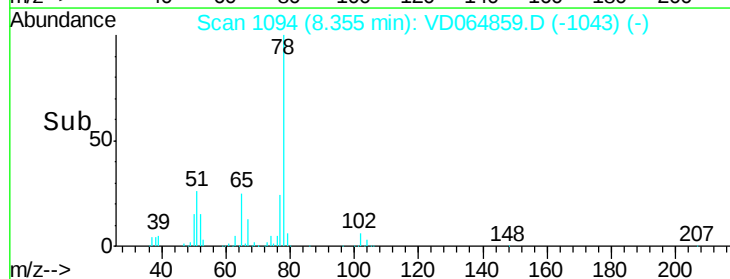
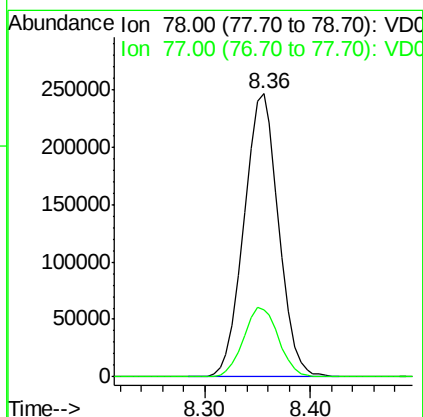
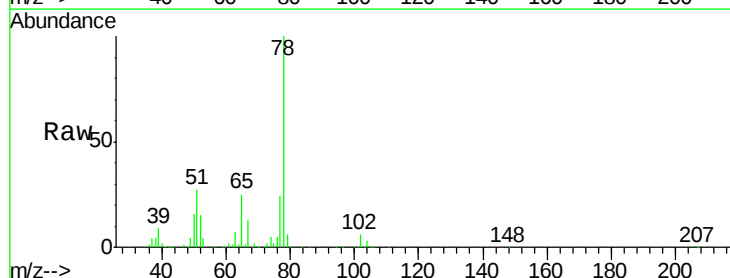
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

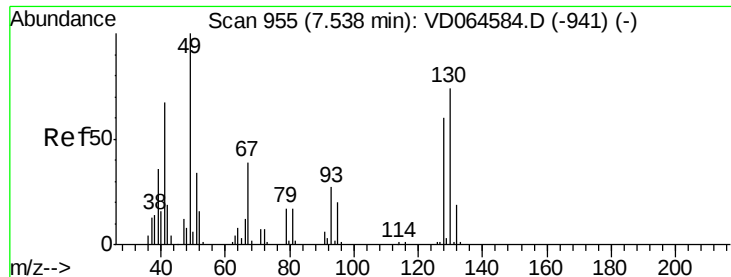
Tgt Ion: 83 Resp: 183629
Ion Ratio Lower Upper
83 100
55 74.9 57.8 86.6
98 47.8 38.7 58.1



#40
Benzene
Concen: 40.74 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 78 Resp: 559944
Ion Ratio Lower Upper
78 100
77 23.6 19.9 29.9





#41

Methacrylonitrile

Concen: 45.08 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tgt Ion: 41 Resp: 51730

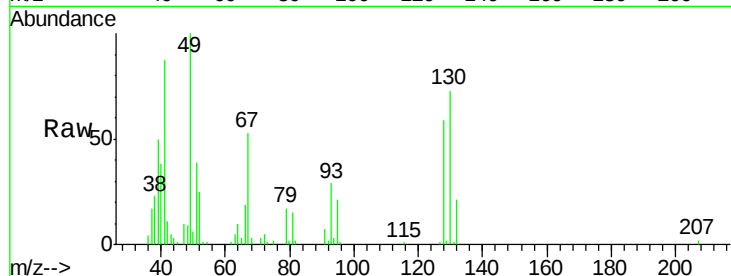
Ion Ratio Lower Upper

41 100

39 67.6 46.7 70.1

67 74.8 52.5 78.7

52 33.8 24.1 36.1

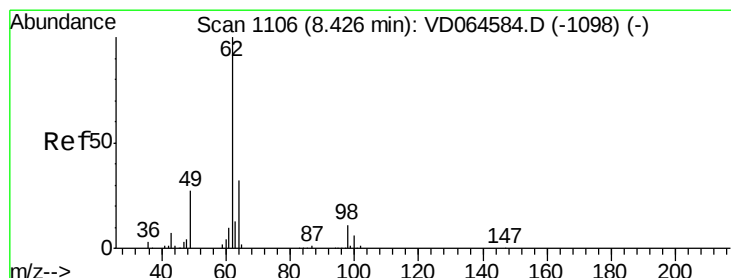
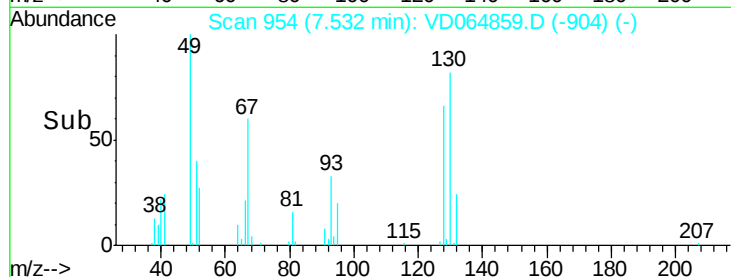
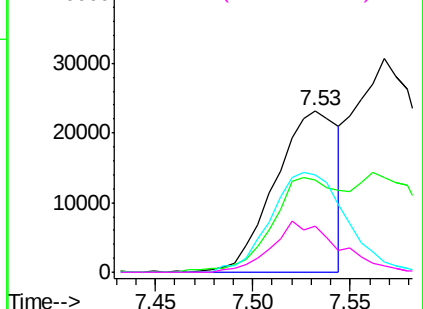


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.20 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD064859.D

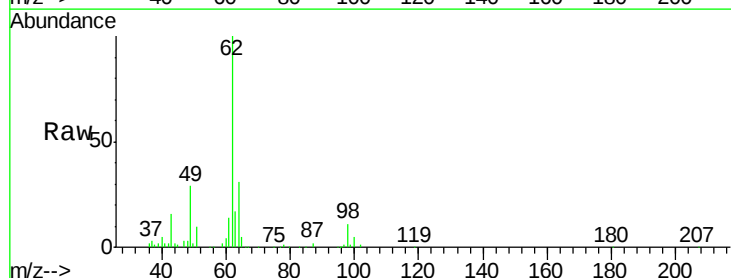
Acq: 17 Jan 2020 13:23

Tgt Ion: 62 Resp: 183492

Ion Ratio Lower Upper

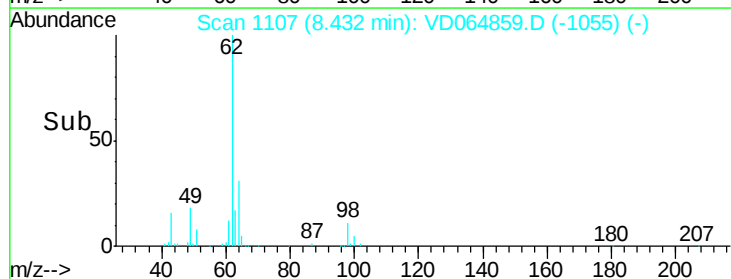
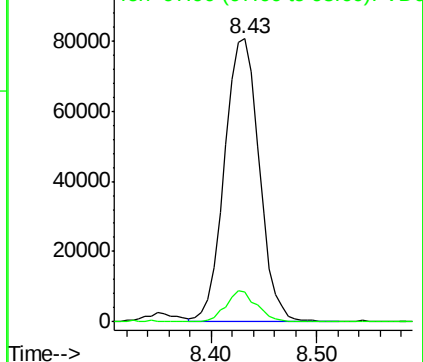
62 100

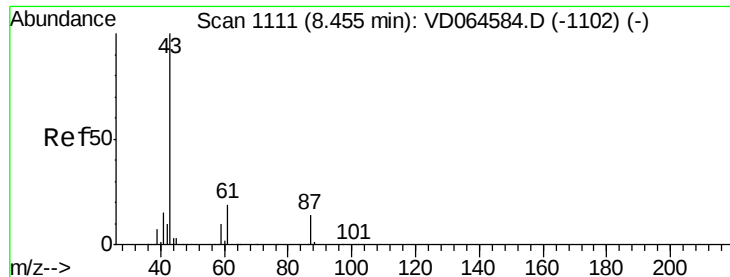
98 9.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.77 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

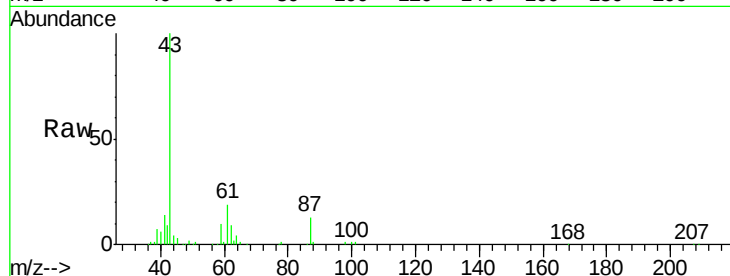
Tgt Ion: 43 Resp: 180204

Ion Ratio Lower Upper

43 100

61 28.7 23.7 35.5

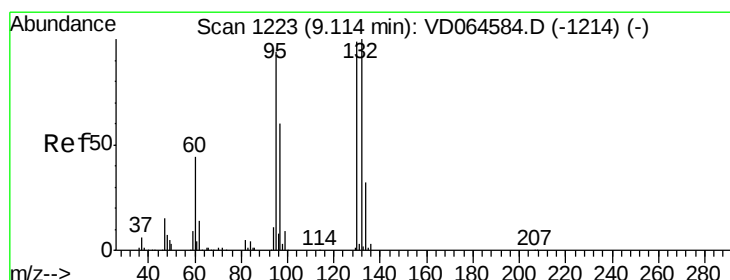
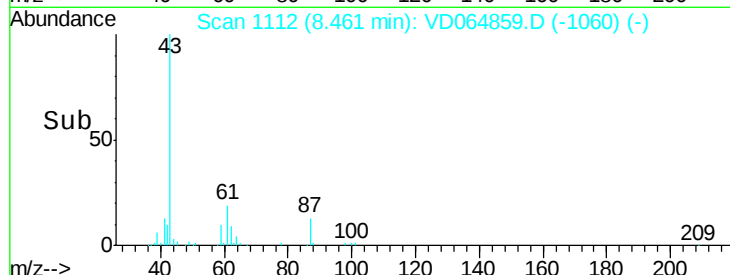
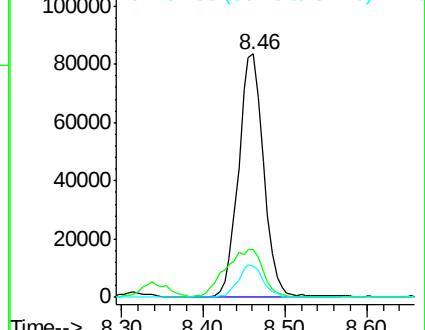
87 13.0 10.5 15.7



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: 36.86 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064859.D

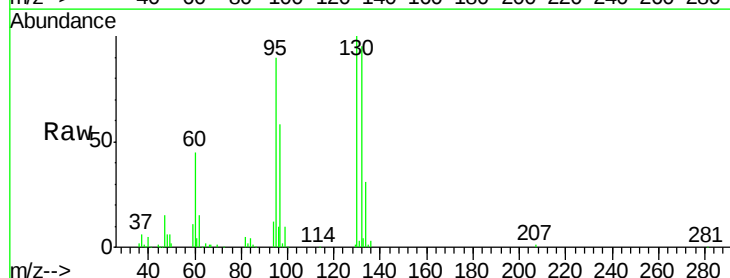
Acq: 17 Jan 2020 13:23

Tgt Ion:130 Resp: 148823

Ion Ratio Lower Upper

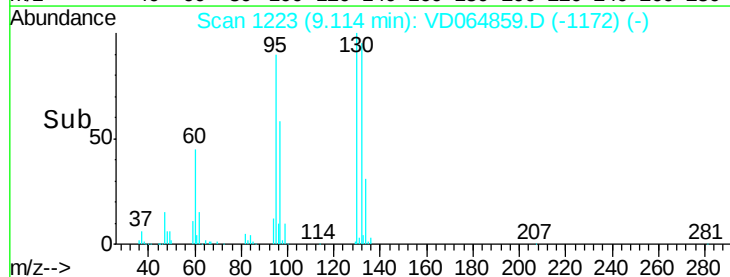
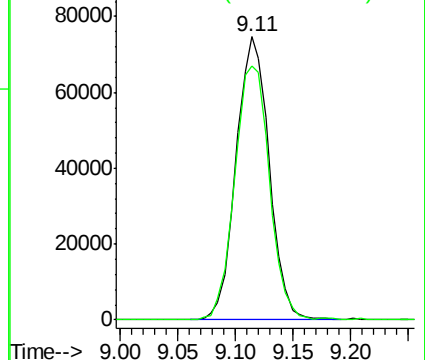
130 100

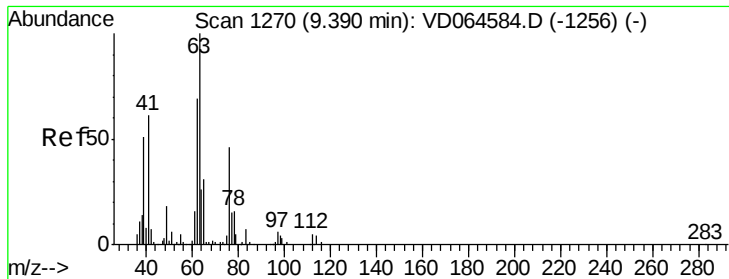
95 89.7 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

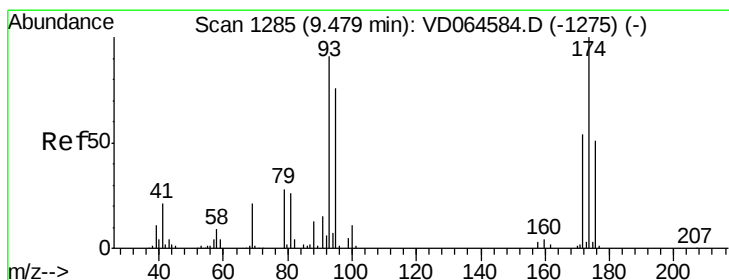
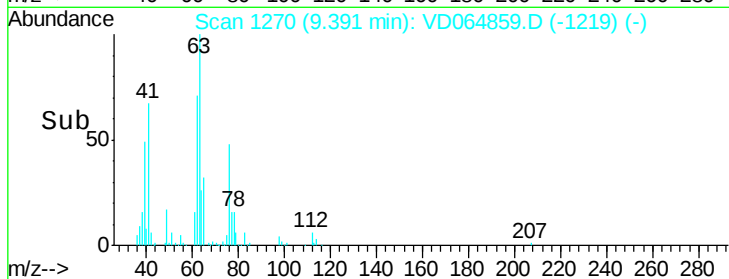
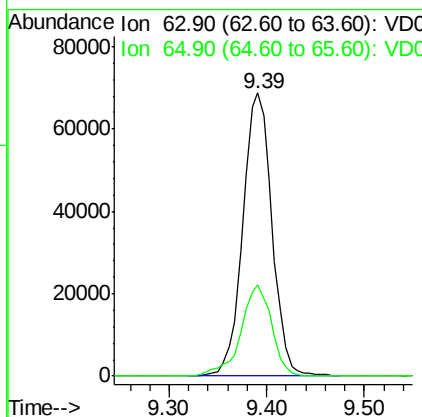
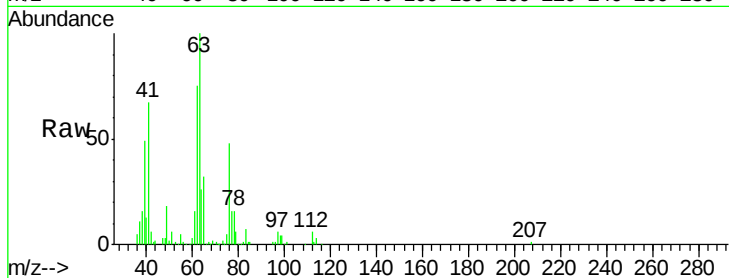




#45
 1,2-Dichloropropane
 Concen: 43.87 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

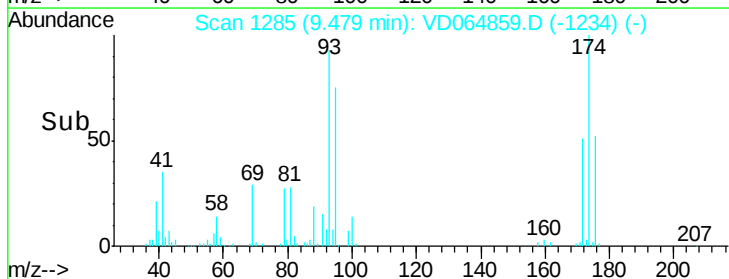
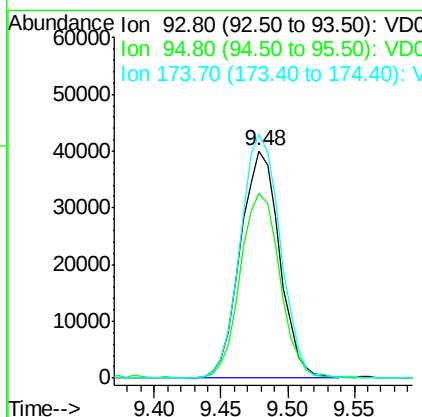
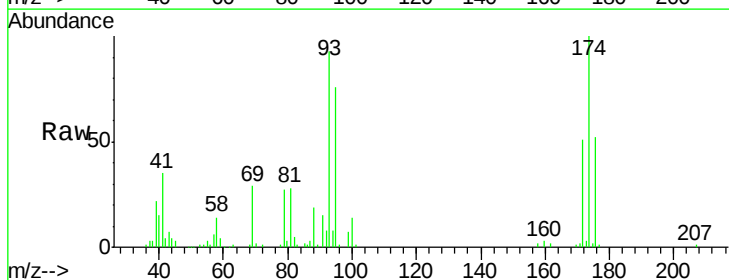
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

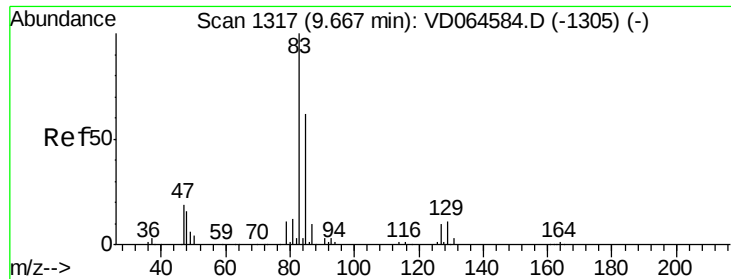
Tgt Ion: 63 Resp: 143960
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.2 37.8



#46
 Dibromomethane
 Concen: 44.49 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 93 Resp: 81408
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.6 97.0
 174 109.5 88.1 132.1





#47

Bromodichloromethane

Concen: 44.19 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

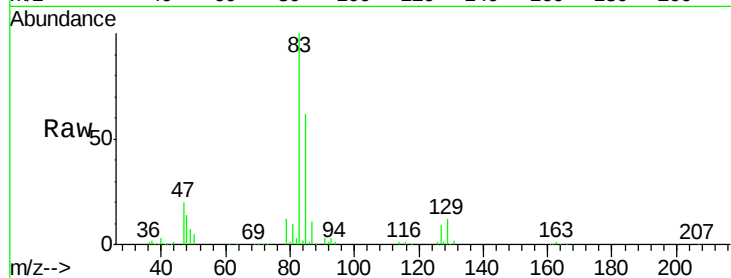
Tgt Ion: 83 Resp: 215151

Ion Ratio Lower Upper

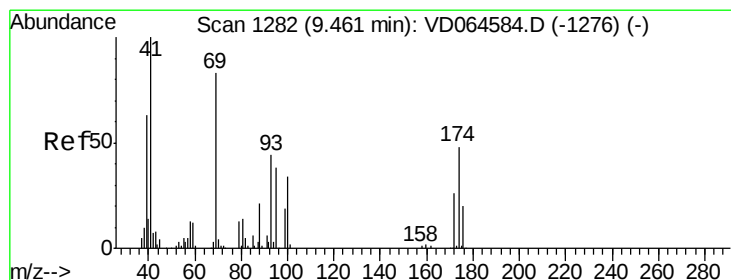
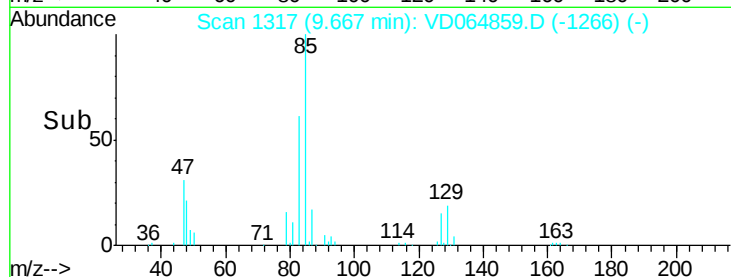
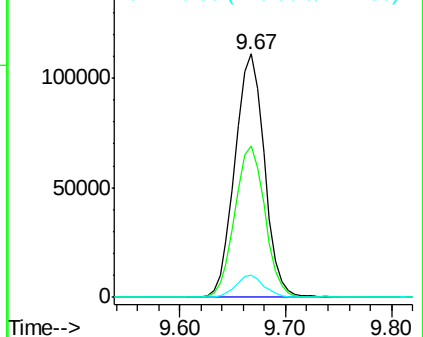
83 100

85 62.5 49.5 74.3

127 9.1 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: 45.04 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

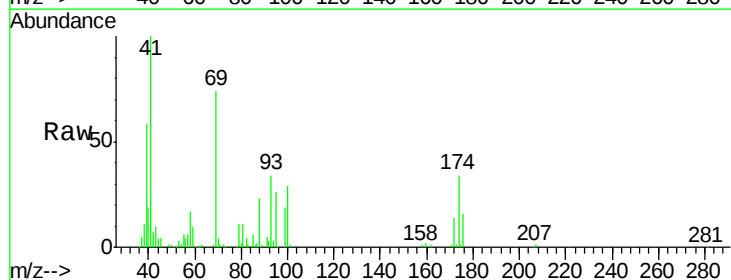
Tgt Ion: 41 Resp: 83486

Ion Ratio Lower Upper

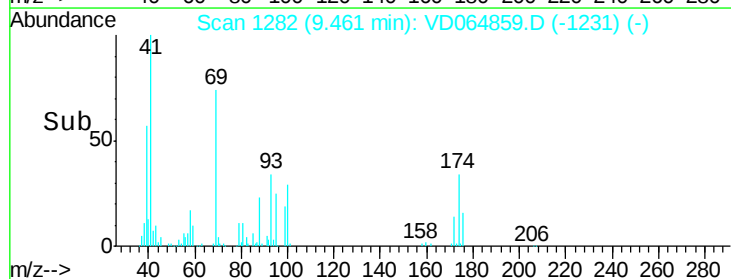
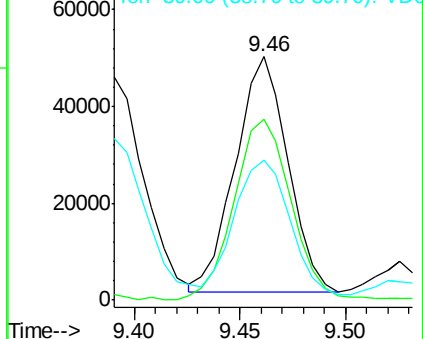
41 100

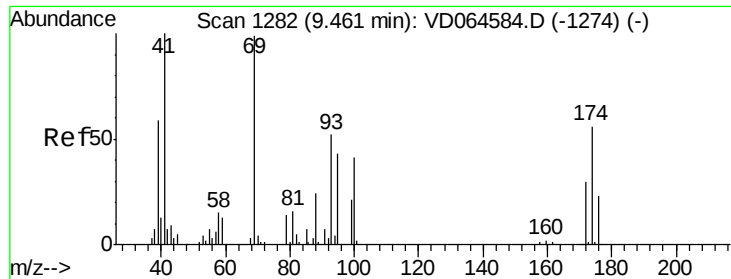
69 84.7 63.0 94.6

39 65.9 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

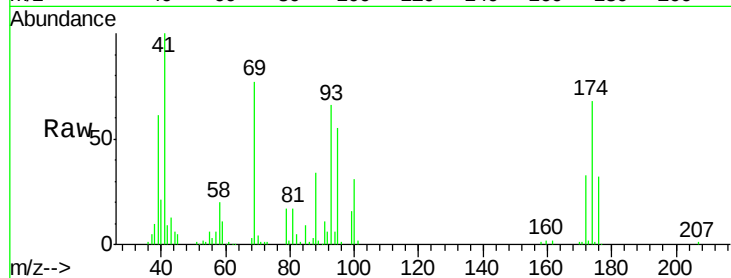




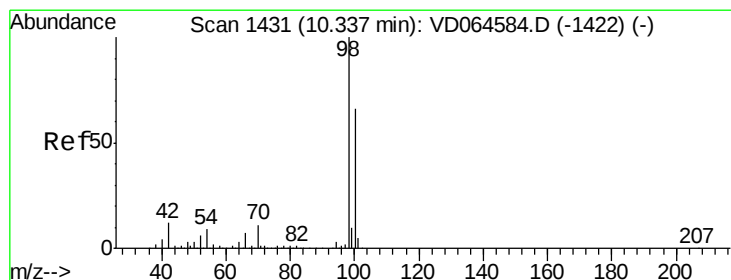
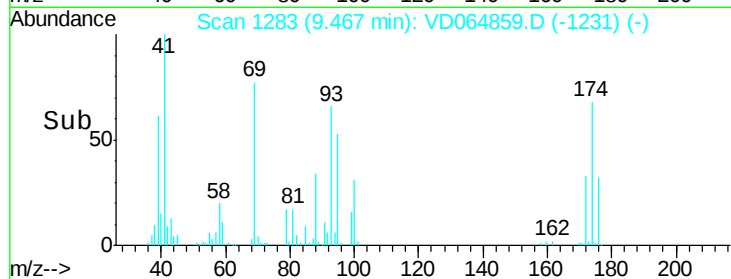
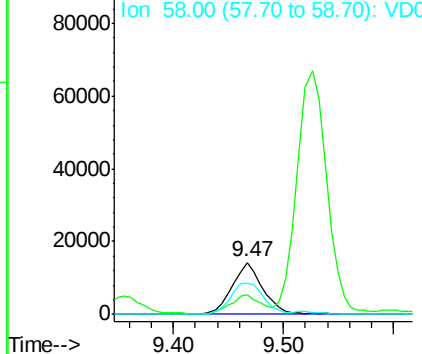
#49
 1,4-Dioxane
 Concen: 1317.89 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tgt Ion: 88 Resp: 27804
 Ion Ratio Lower Upper
 88 100
 43 38.1 27.7 41.5
 58 66.1 53.8 80.6

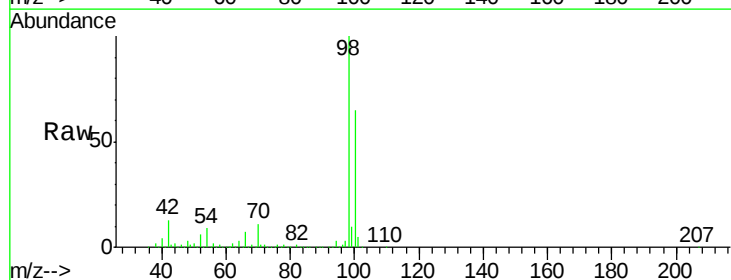


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

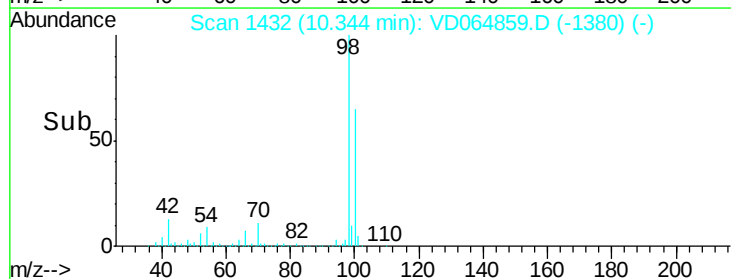
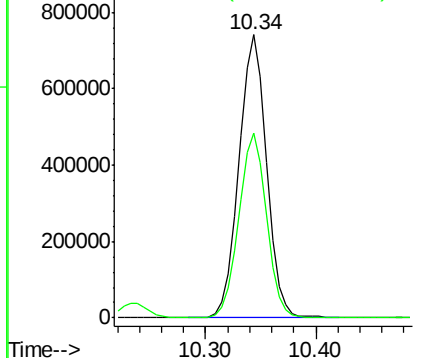


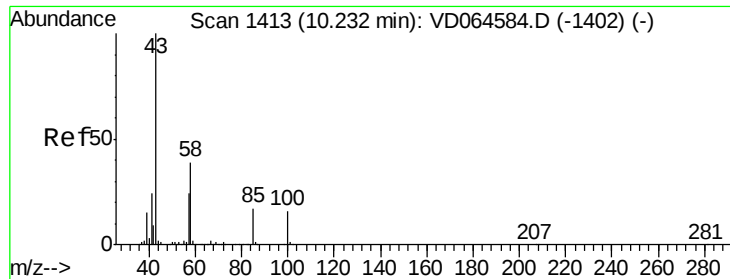
#50
 Toluene-d8
 Concen: 106.31 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 98 Resp: 1306721
 Ion Ratio Lower Upper
 98 100
 100 65.5 51.7 77.5



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

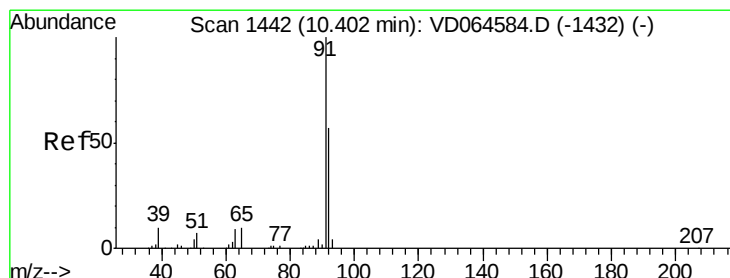
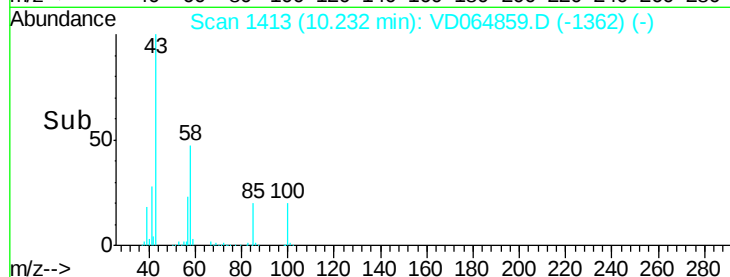
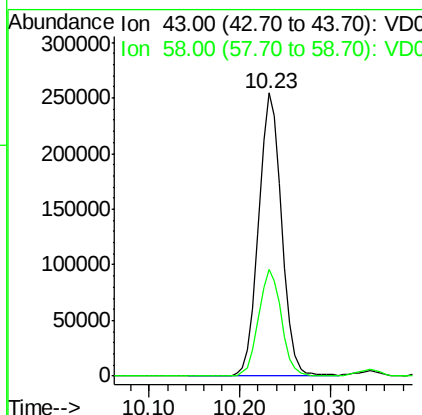
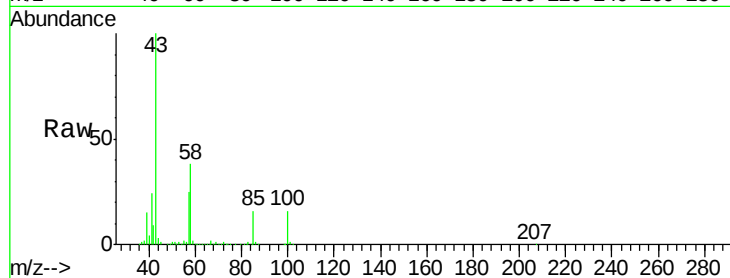




#51
 4-Methyl-2-Pentanone
 Concen: 232.00 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

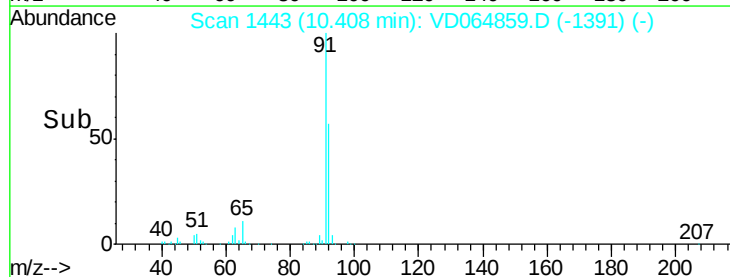
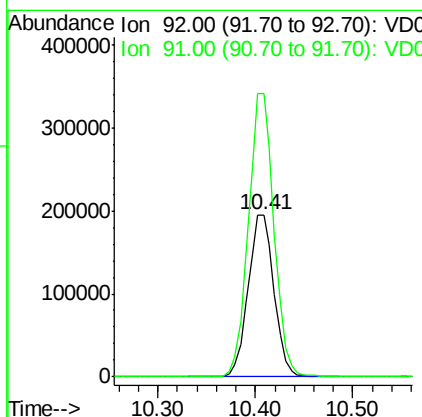
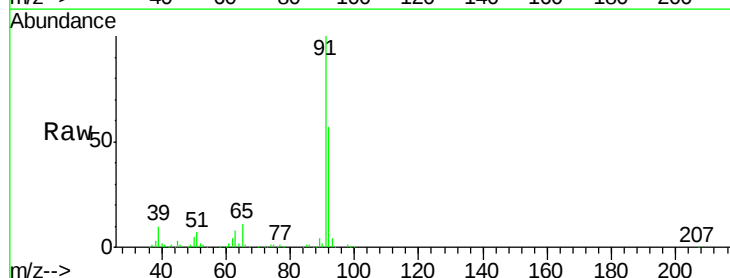
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

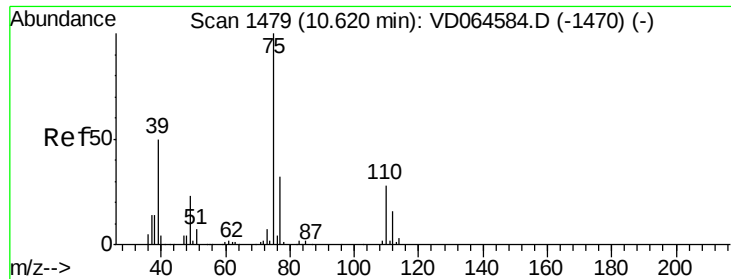
Tgt Ion: 43 Resp: 451455
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.2 45.2



#52
 Toluene
 Concen: 40.26 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 92 Resp: 363050
 Ion Ratio Lower Upper
 92 100
 91 172.7 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 45.31 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

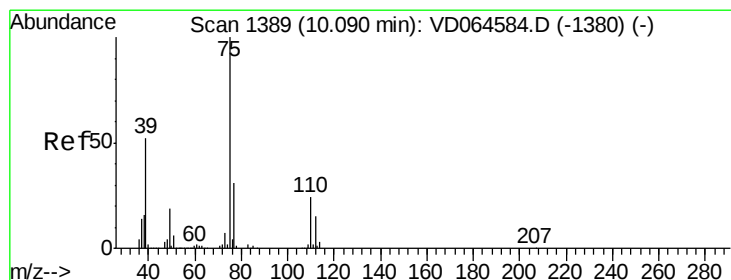
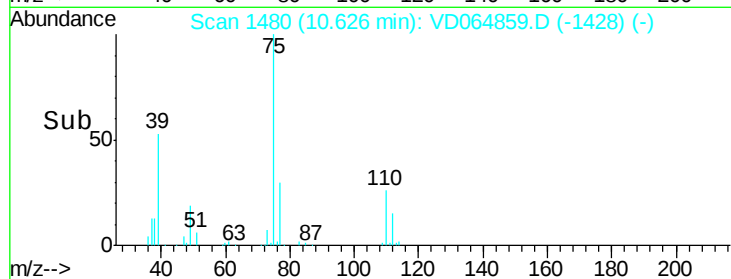
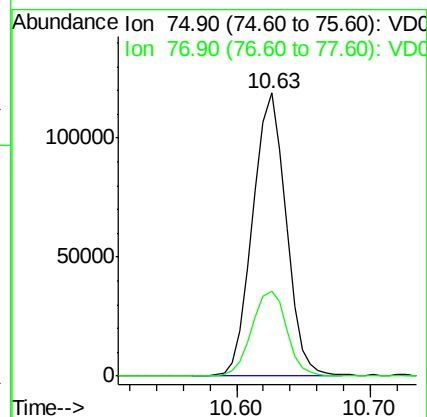
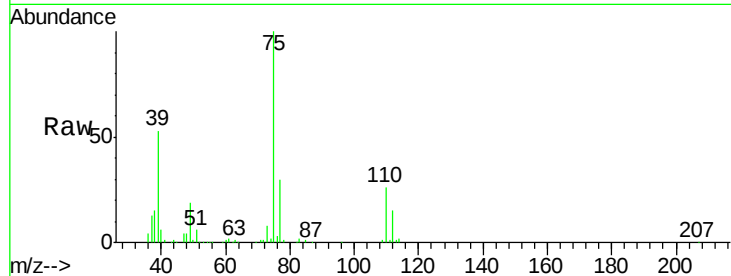
EP-3MS

Tgt Ion: 75 Resp: 205683

Ion Ratio Lower Upper

75 100

77 30.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 43.96 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

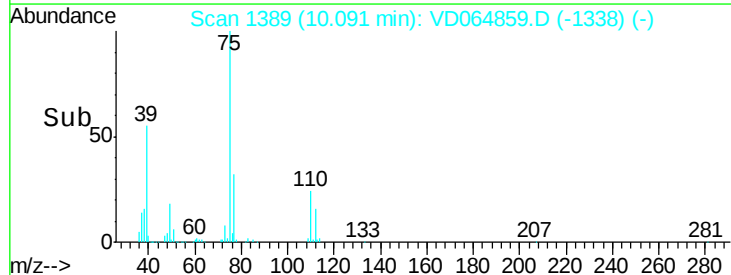
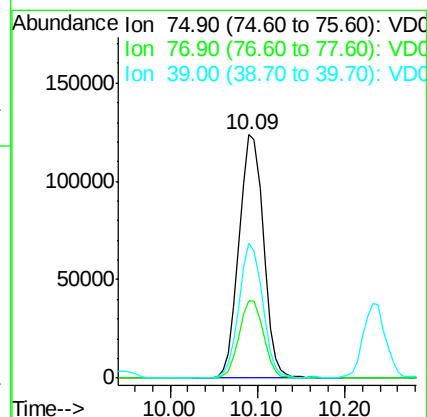
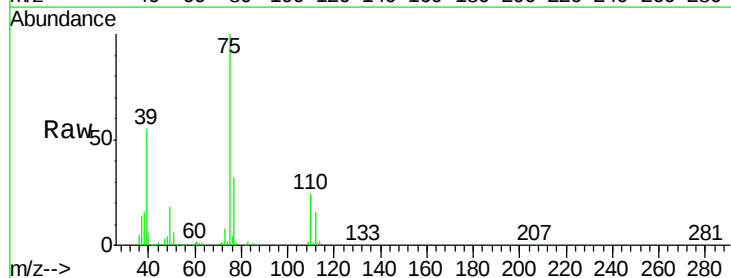
Tgt Ion: 75 Resp: 235303

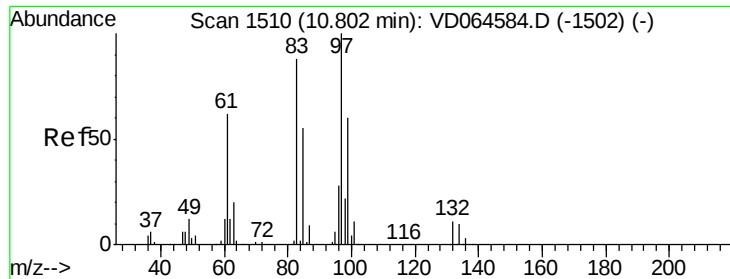
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 54.9 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 44.66 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tgt Ion: 97 Resp: 110131

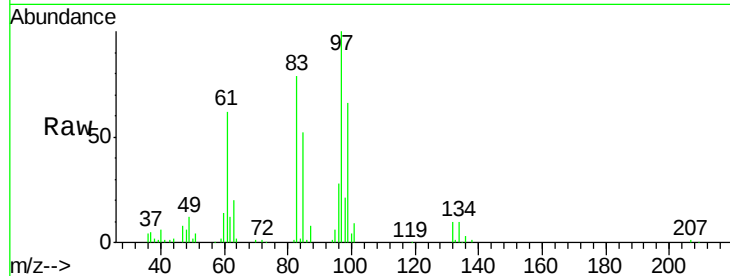
Ion Ratio Lower Upper

97 100

83 79.3 70.2 105.4

85 52.3 44.0 66.0

99 65.5 47.8 71.6

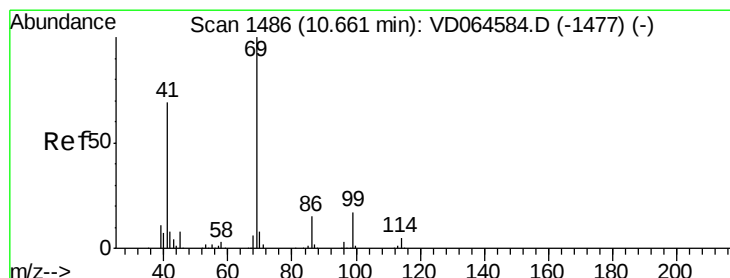
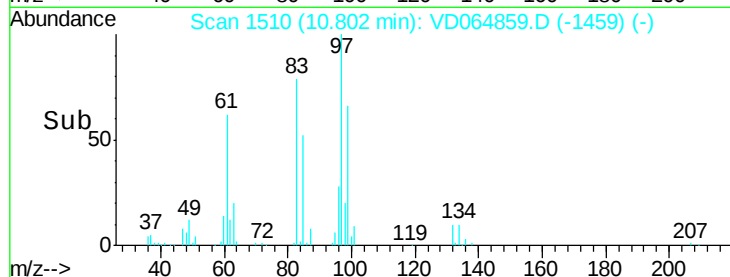
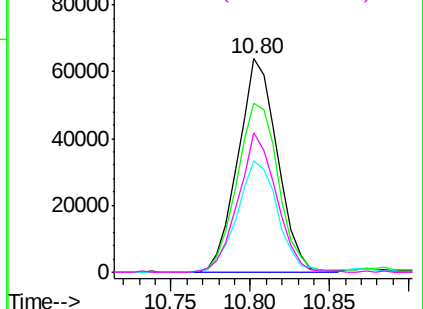


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 44.93 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

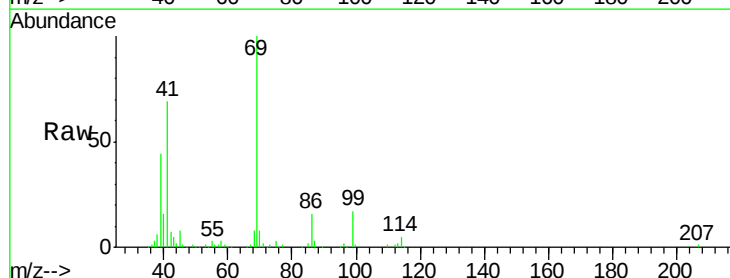
Tgt Ion: 69 Resp: 138346

Ion Ratio Lower Upper

69 100

41 70.3 55.3 82.9

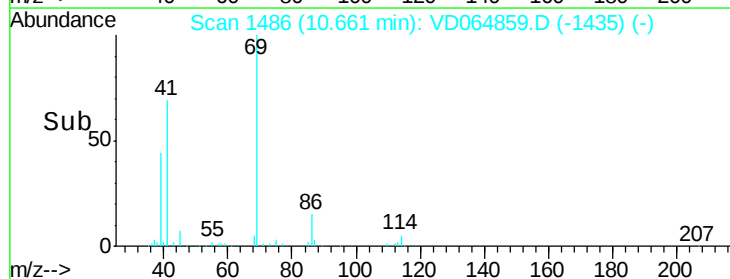
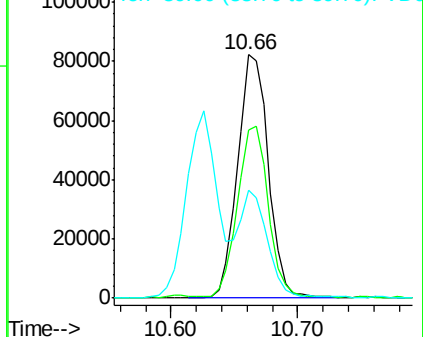
39 39.1 33.8 50.8

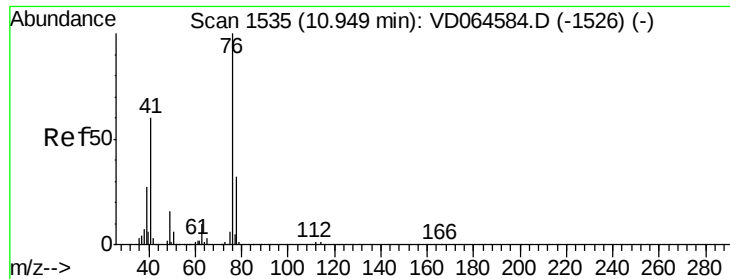


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

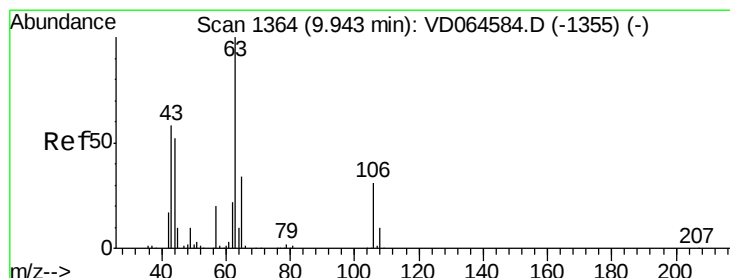
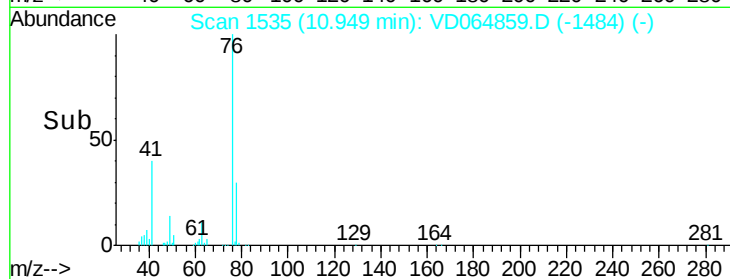
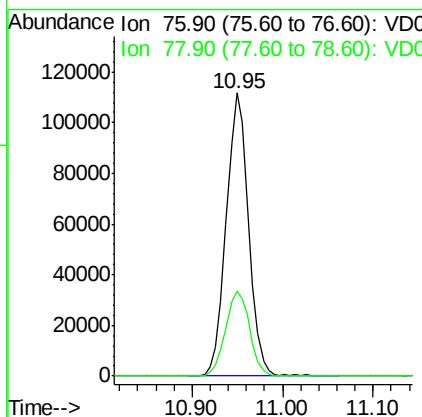
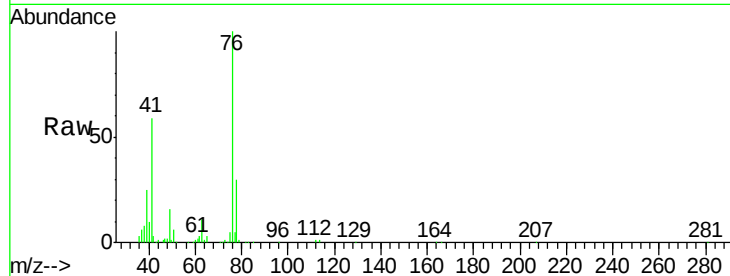




#57
 1,3-Dichloropropane
 Concen: 45.14 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

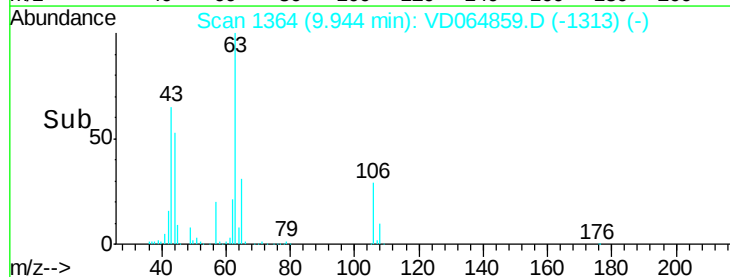
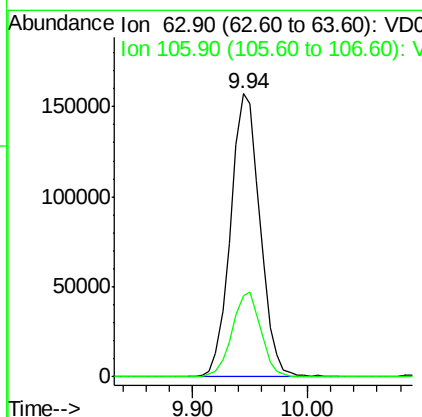
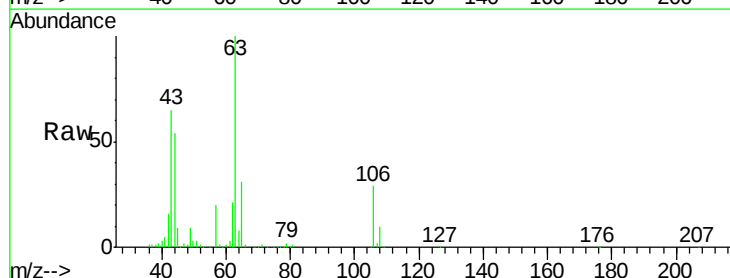
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

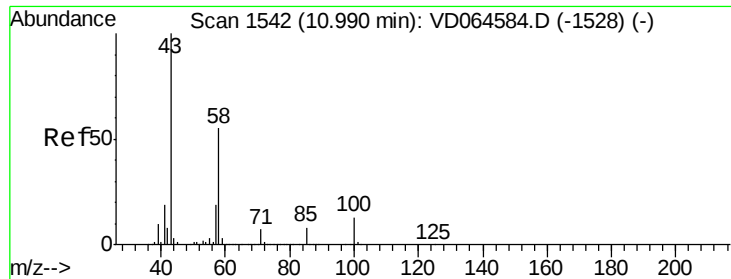
Tgt Ion: 76 Resp: 191658
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.64 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 63 Resp: 277643
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8

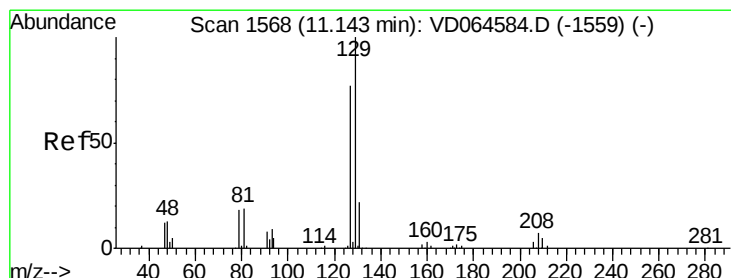
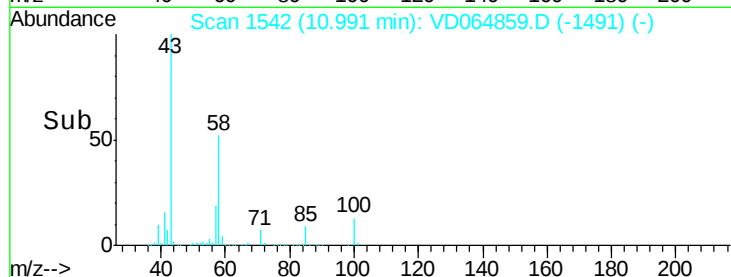
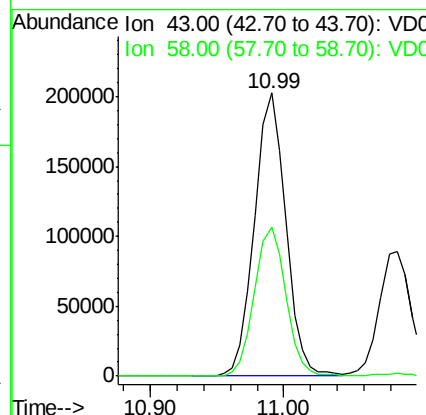
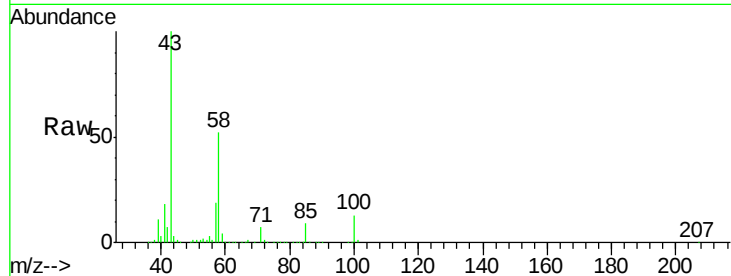




#59
2-Hexanone
Concen: 248.83 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

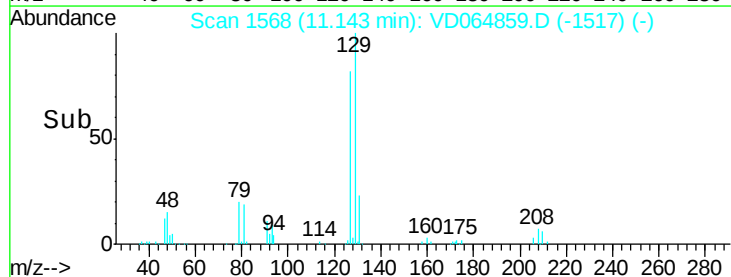
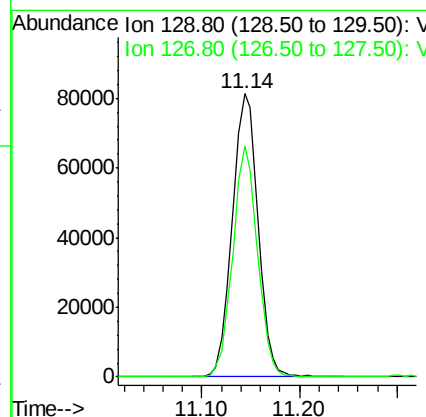
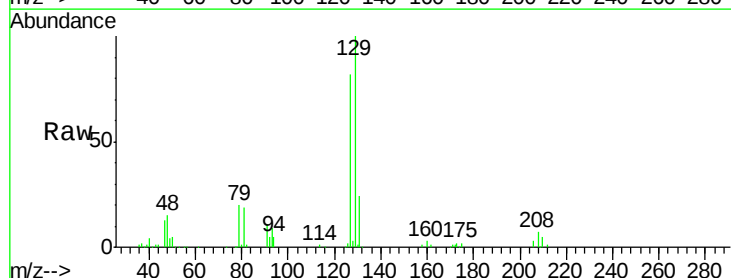
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

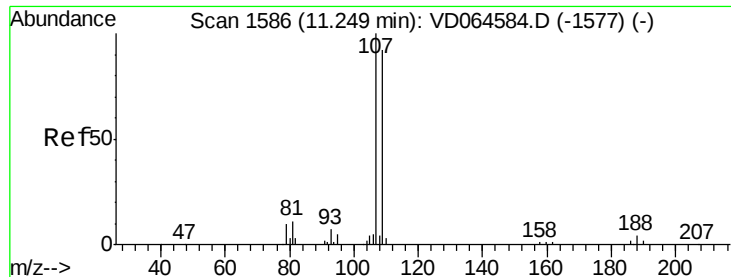
Tgt Ion: 43 Resp: 328643
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0



#60
Dibromochloromethane
Concen: 43.79 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 129 Resp: 149331
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.2

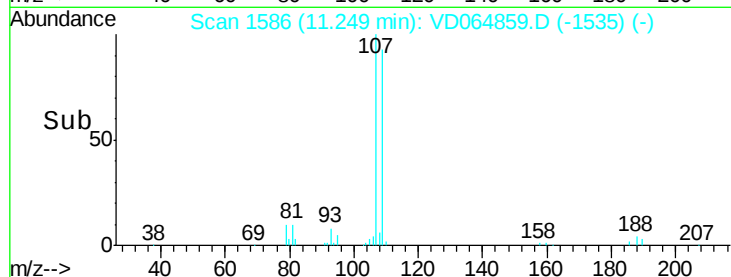
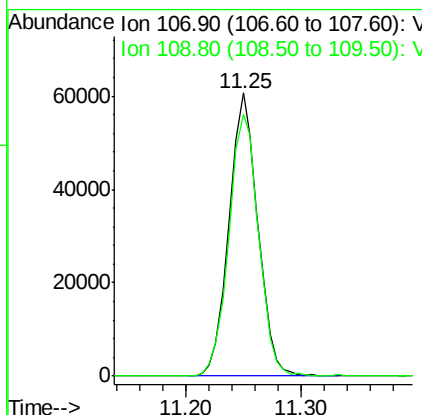
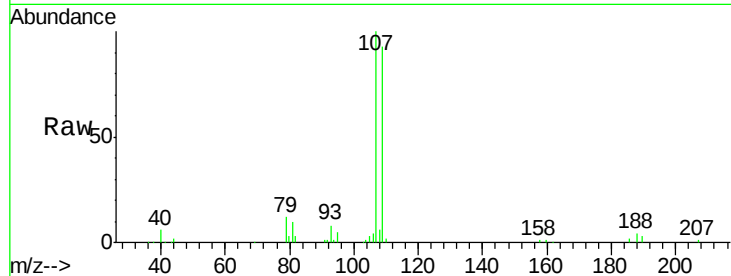




#61
 1,2-Dibromoethane
 Concen: 43.08 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

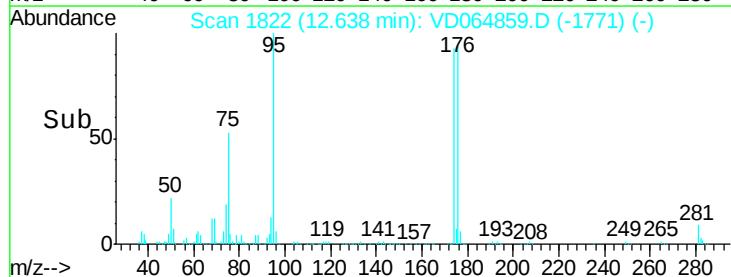
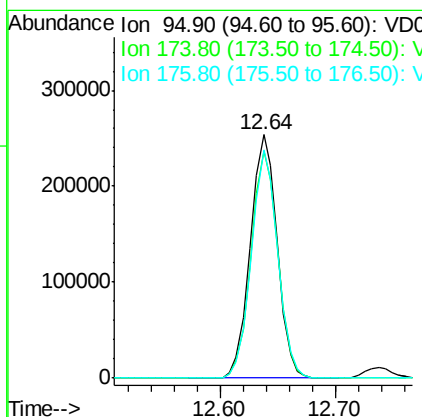
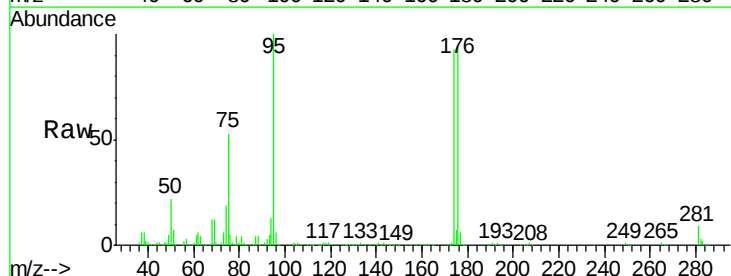
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

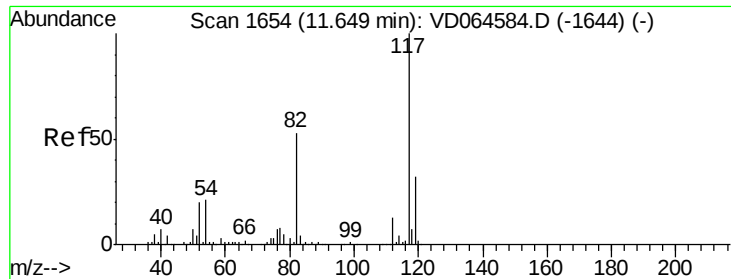
Tgt Ion: 107 Resp: 104777
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 105.82 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 95 Resp: 411289
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 193.2
 176 91.8 0.0 184.2

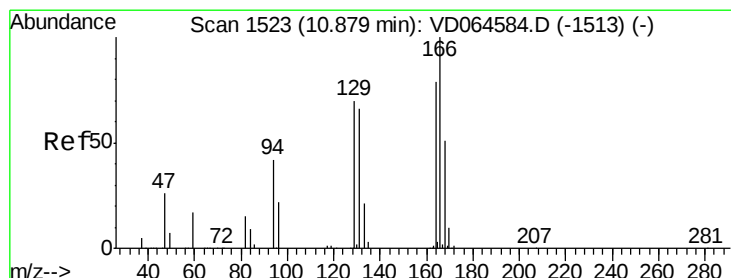
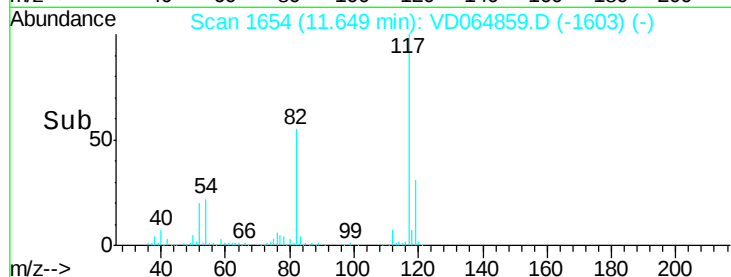
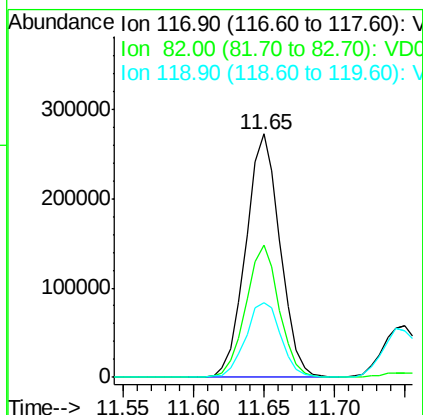
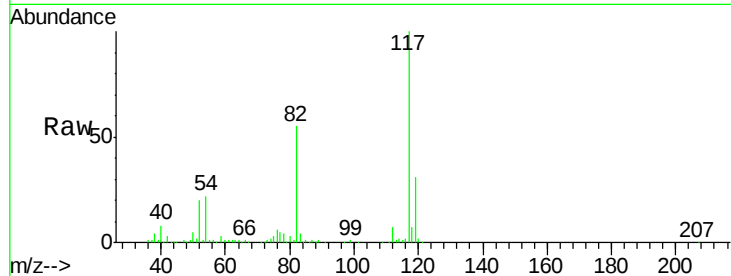




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

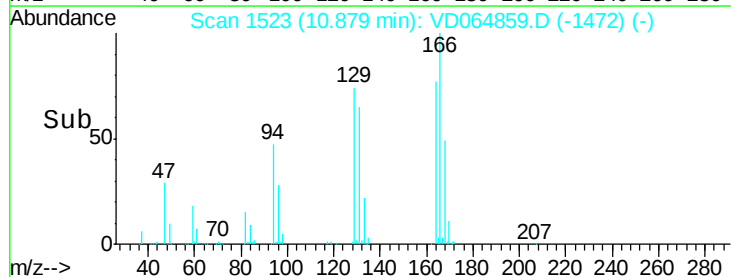
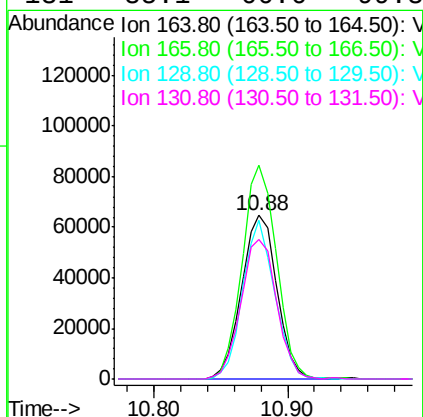
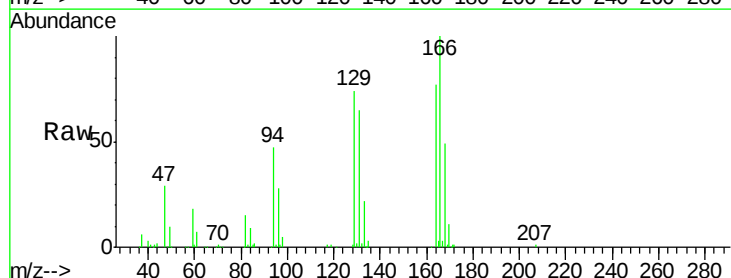
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tgt Ion:117 Resp: 463812
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 30.9 26.0 39.0



#64
Tetrachloroethene
Concen: 33.20 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion:164 Resp: 118138
Ion Ratio Lower Upper
164 100
166 130.5 101.3 151.9
129 96.9 70.5 105.7
131 85.1 66.6 99.8

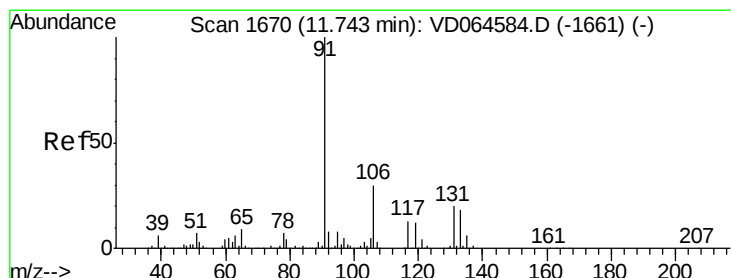
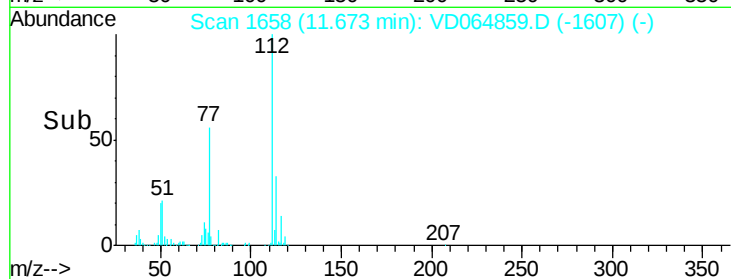
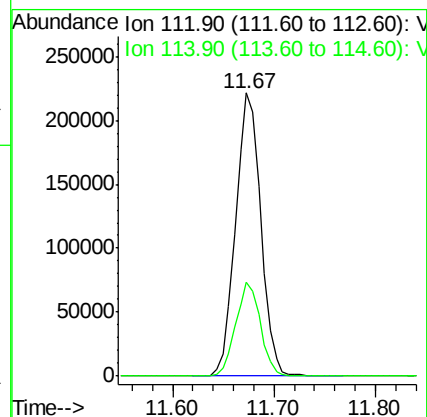
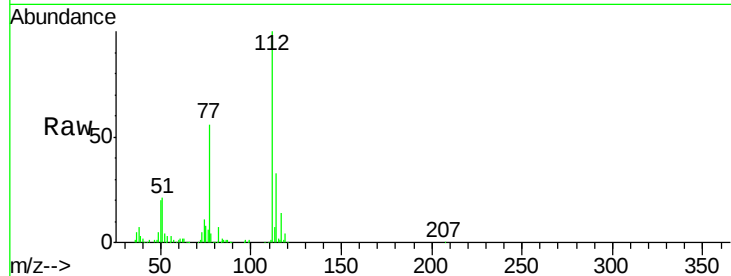




#65
Chlorobenzene
Concen: 39.64 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

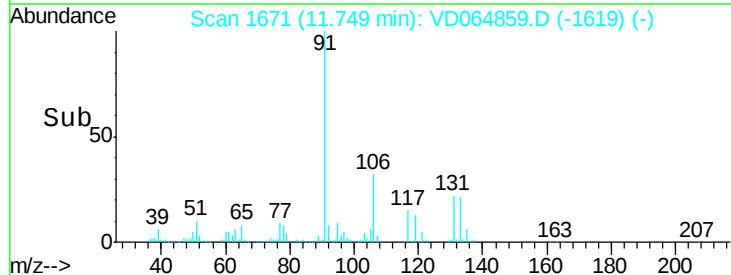
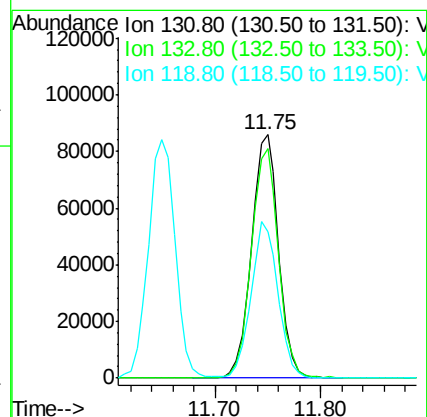
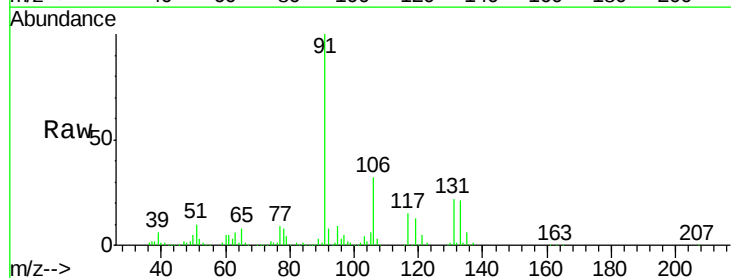
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

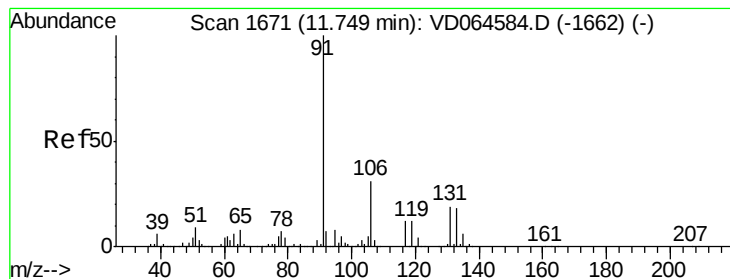
Tgt Ion:112 Resp: 381551
Ion Ratio Lower Upper
112 100
114 33.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 42.14 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion:131 Resp: 152918
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.8
119 64.3 32.1 96.3





#67

Ethyl Benzene

Concen: 37.25 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

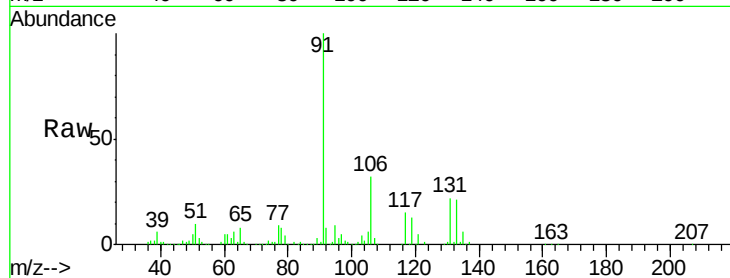
EP-3MS

Tgt Ion: 91 Resp: 650925

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

600000

500000

400000

300000

200000

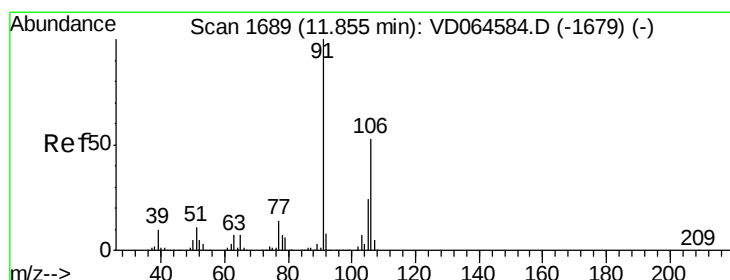
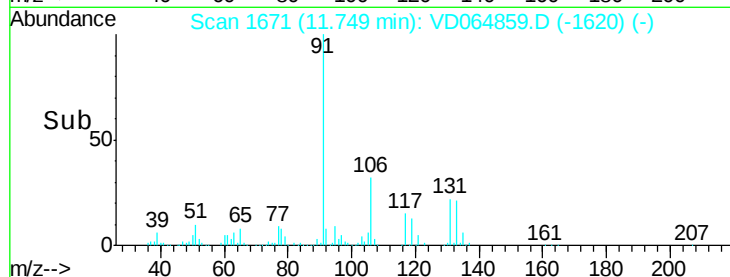
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 73.22 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064859.D

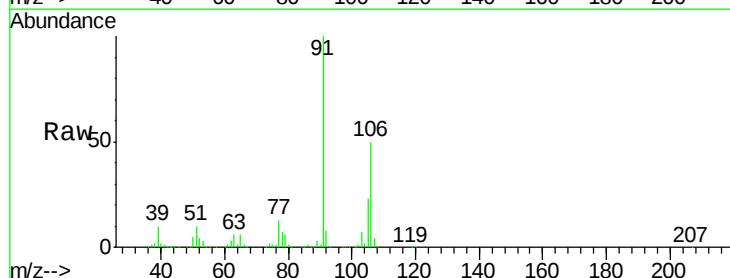
Acq: 17 Jan 2020 13:23

Tgt Ion: 106 Resp: 493807

Ion Ratio Lower Upper

106 100

91 201.5 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

300000

200000

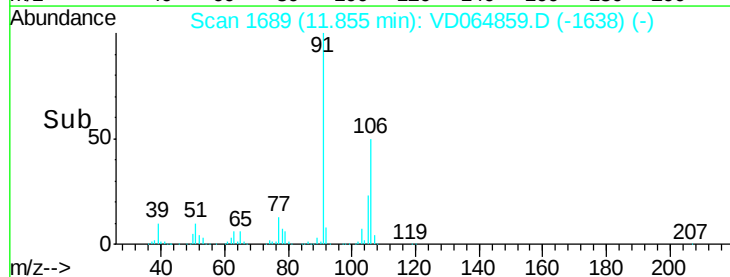
100000

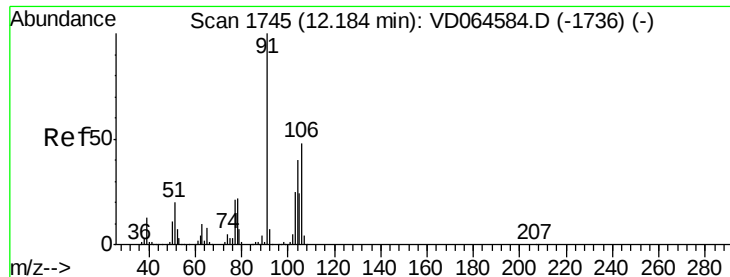
0

11.86

11.90

Time-->

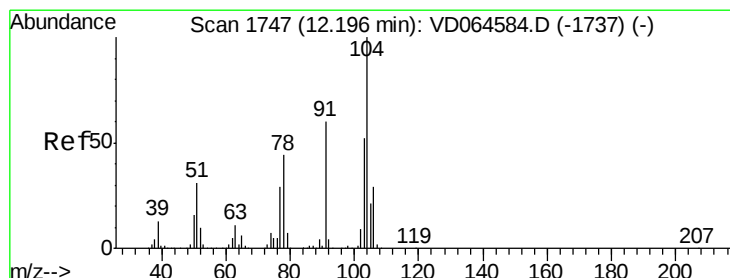
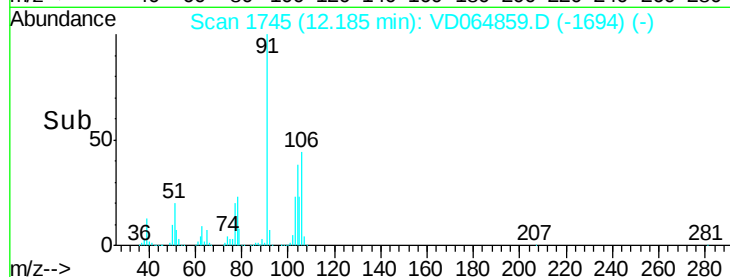
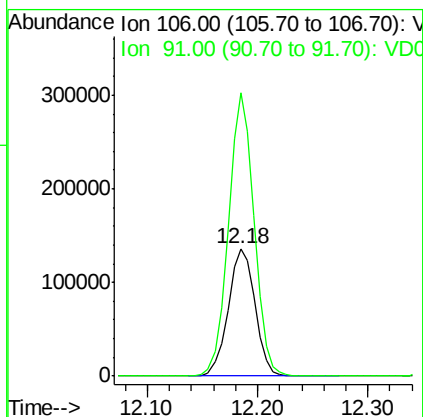
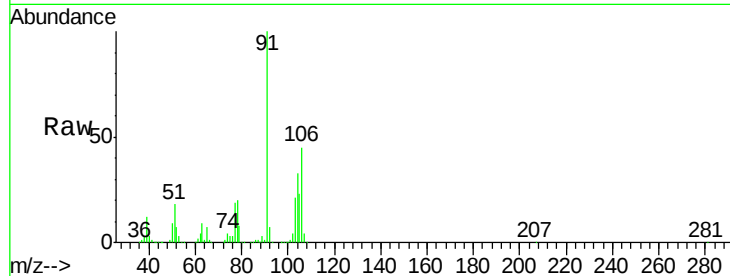




#69
o-Xylene
Concen: 37.83 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

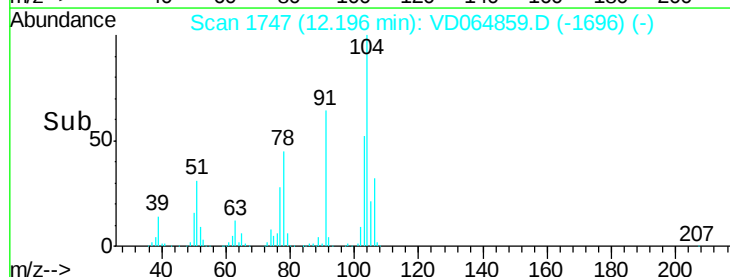
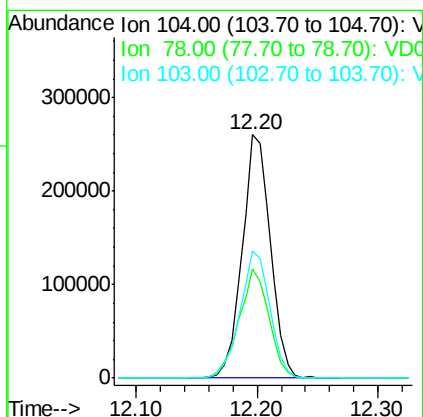
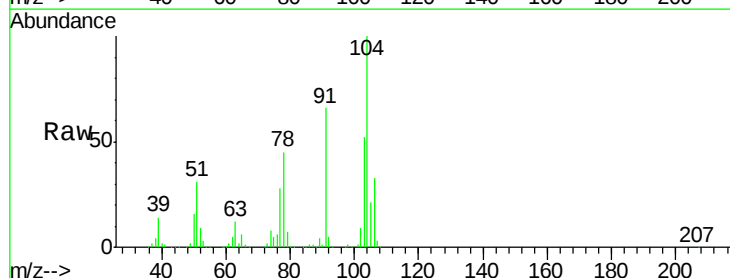
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

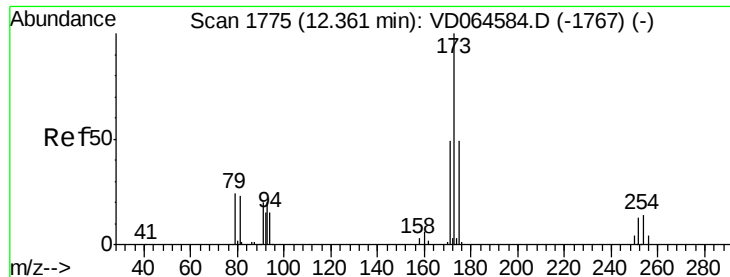
Tgt Ion:106 Resp: 230415
Ion Ratio Lower Upper
106 100
91 212.8 104.8 314.4



#70
Styrene
Concen: 39.78 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion:104 Resp: 425288
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 55.1 44.6 67.0





#71

Bromoform

Concen: 44.23 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

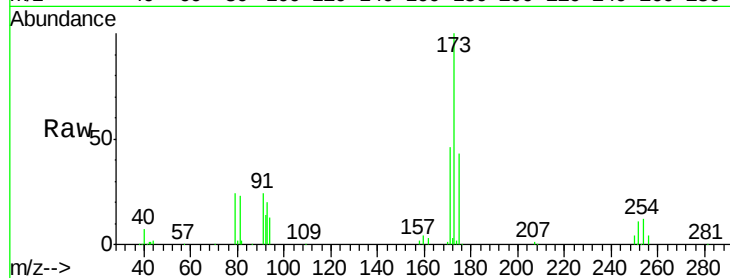
Tgt Ion:173 Resp: 91526

Ion Ratio Lower Upper

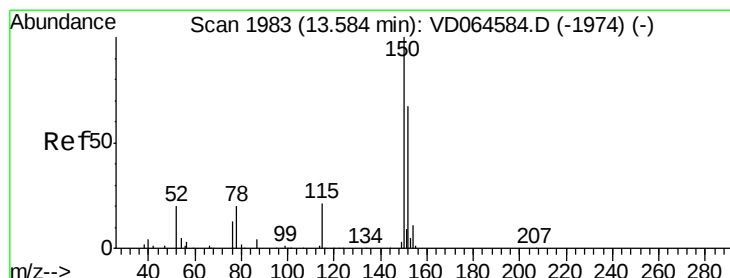
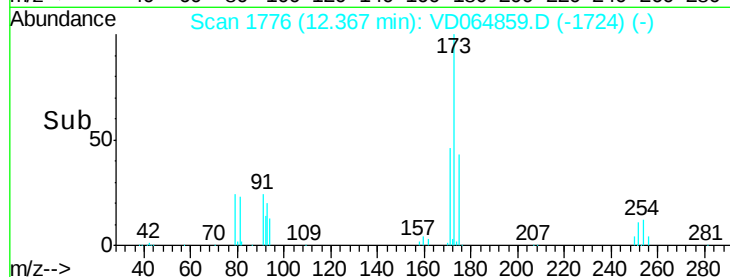
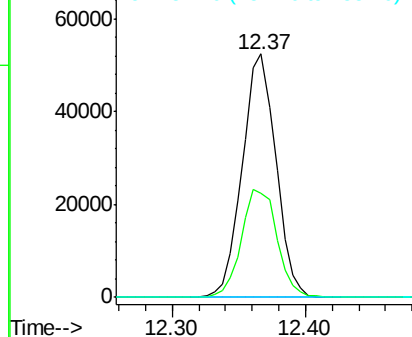
173 100

175 46.7 24.6 73.8

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

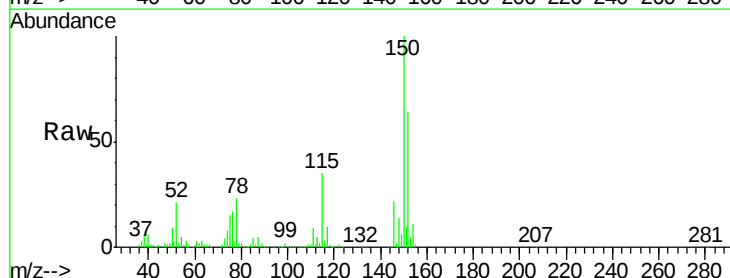
Tgt Ion:152 Resp: 227344

Ion Ratio Lower Upper

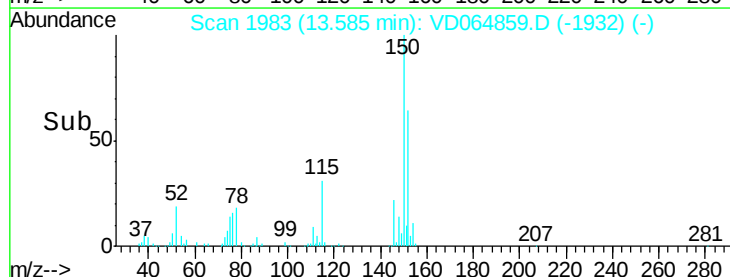
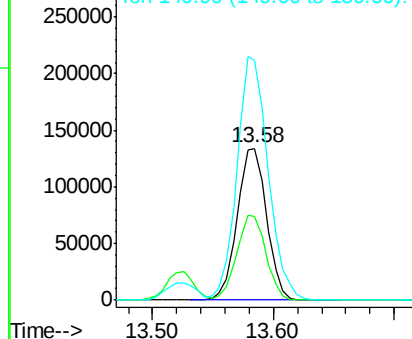
152 100

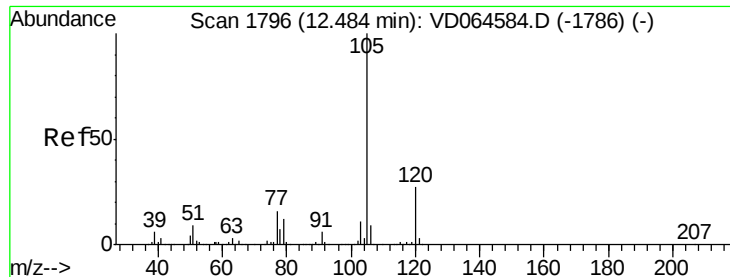
115 55.3 27.8 83.4

150 170.5 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: 36.13 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

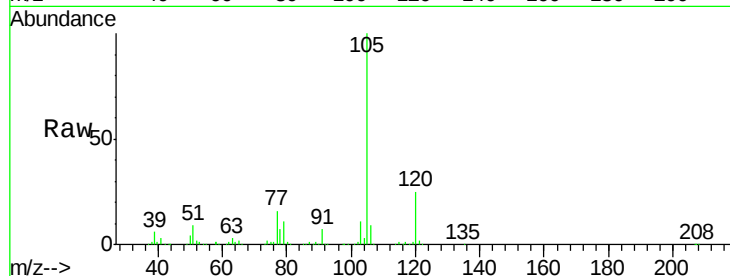
EP-3MS

Tgt Ion:105 Resp: 587062

Ion Ratio Lower Upper

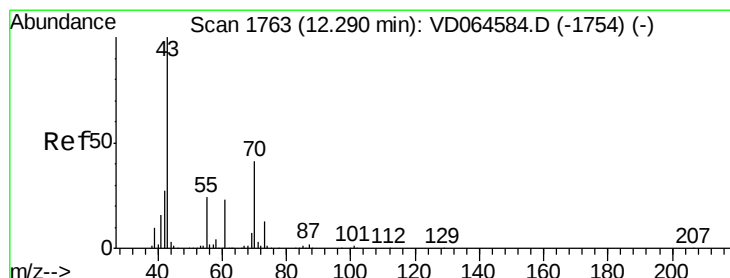
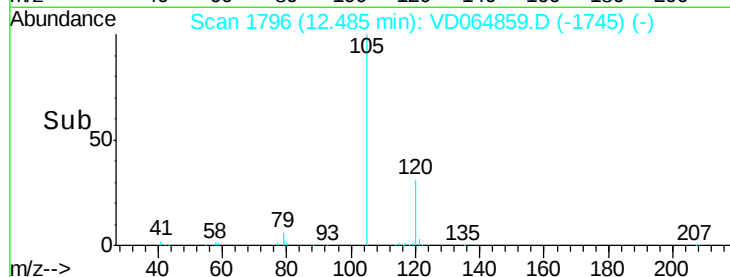
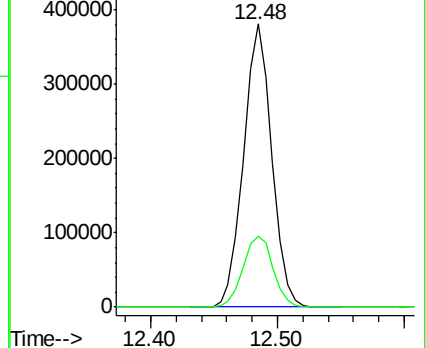
105 100

120 26.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.27 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion: 43 Resp: 153732

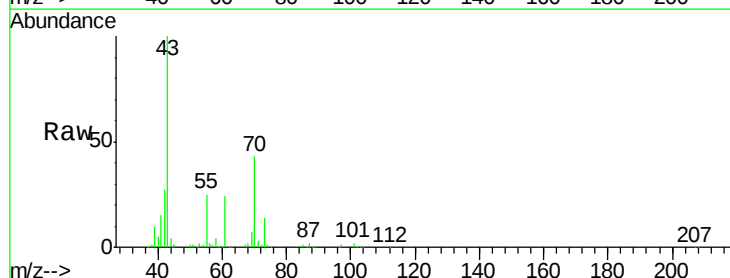
Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 26.0 19.4 29.0

61 23.8 18.3 27.5

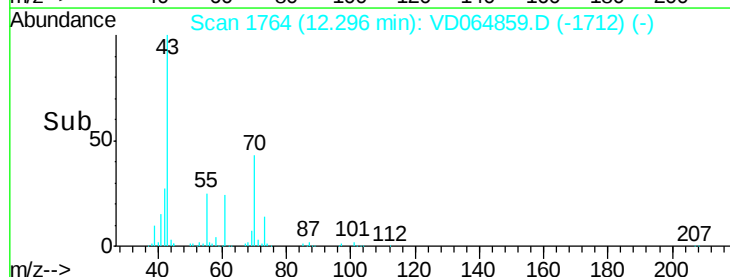
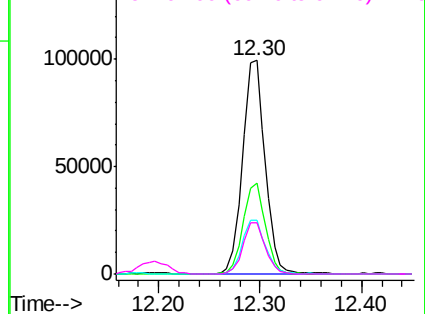


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.31 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

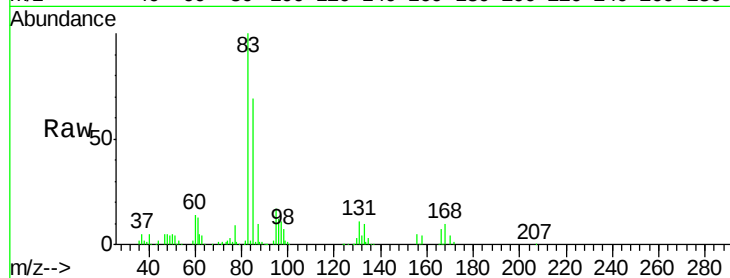
Tgt Ion: 83 Resp: 118185

Ion Ratio Lower Upper

83 100

131 10.7 5.8 17.4

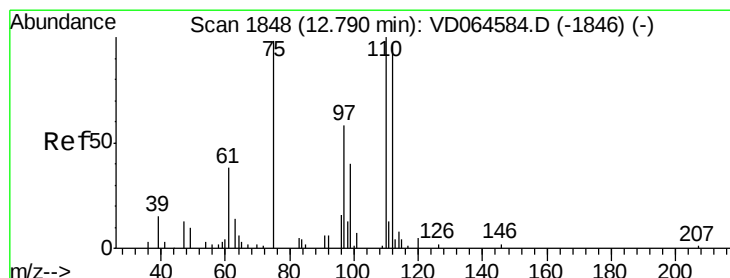
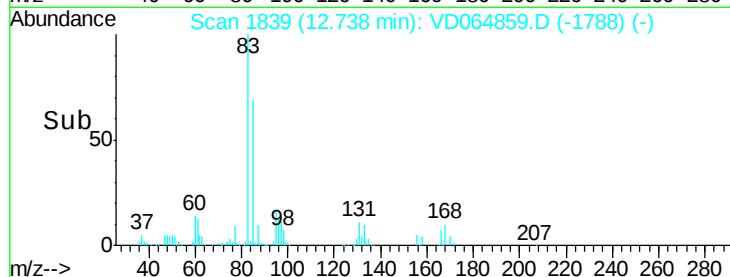
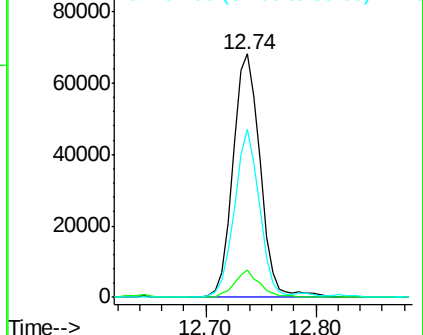
85 63.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.60 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064859.D

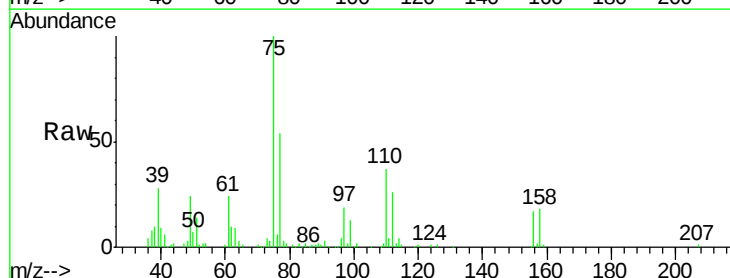
Acq: 17 Jan 2020 13:23

Tgt Ion: 75 Resp: 153666

Ion Ratio Lower Upper

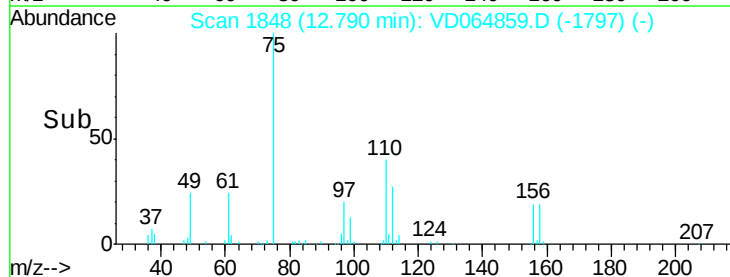
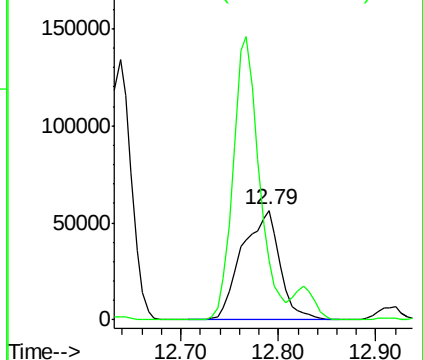
75 100

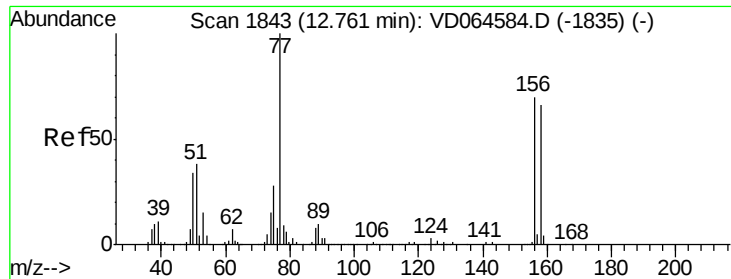
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 40.22 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

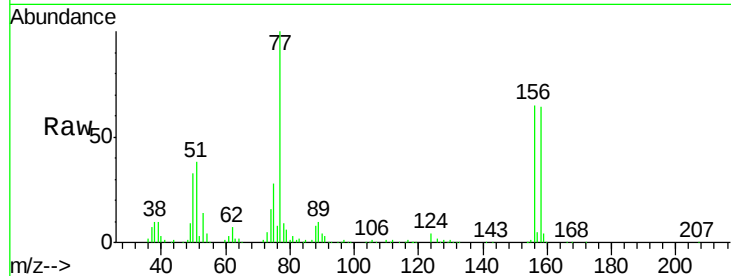
Tgt Ion:156 Resp: 160548

Ion Ratio Lower Upper

156 100

77 169.9 80.9 242.7

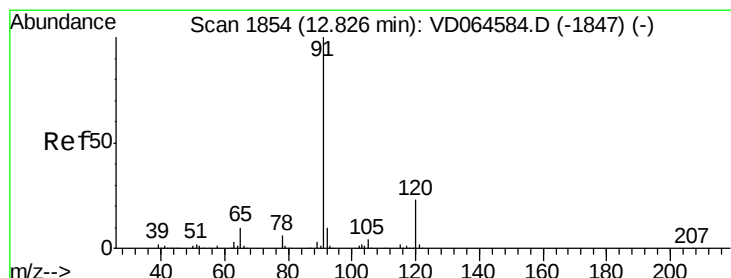
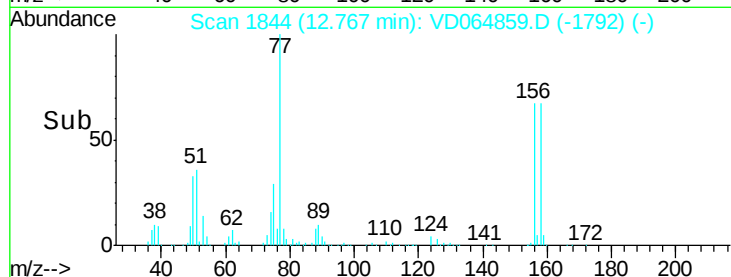
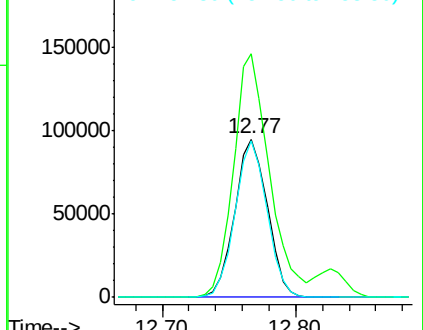
158 96.7 48.0 144.2



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: 35.22 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064859.D

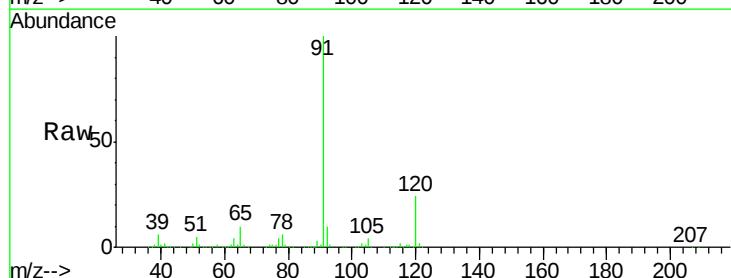
Acq: 17 Jan 2020 13:23

Tgt Ion: 91 Resp: 667538

Ion Ratio Lower Upper

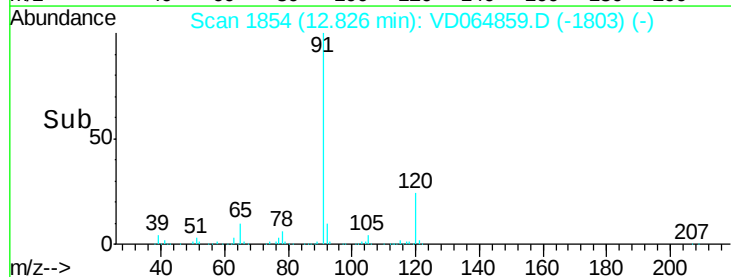
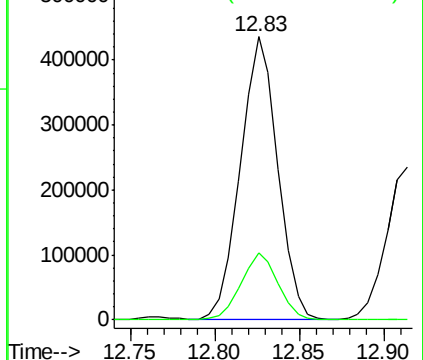
91 100

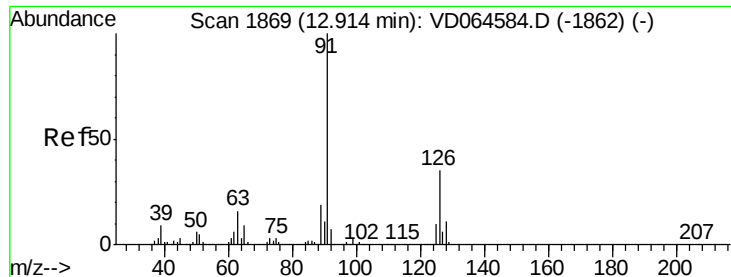
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 37.80 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

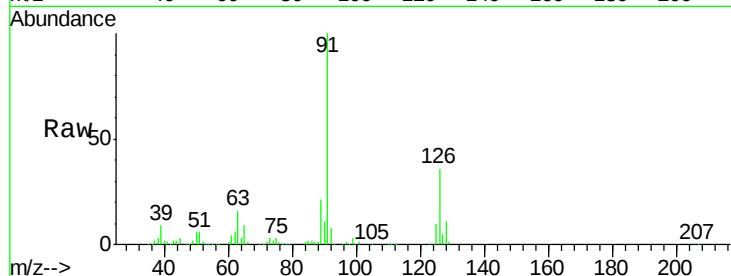
EP-3MS

Tgt Ion: 91 Resp: 393592

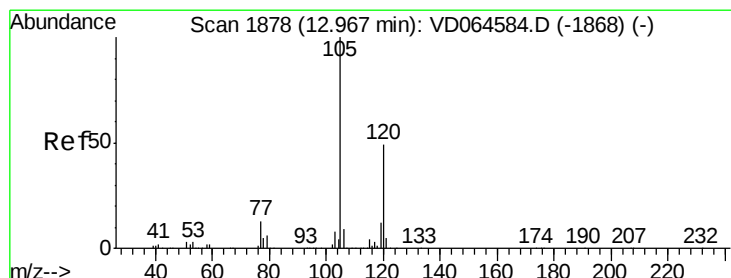
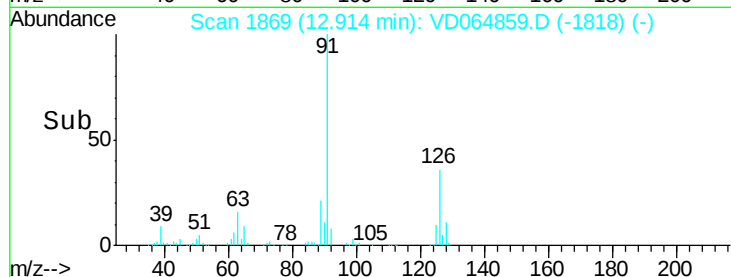
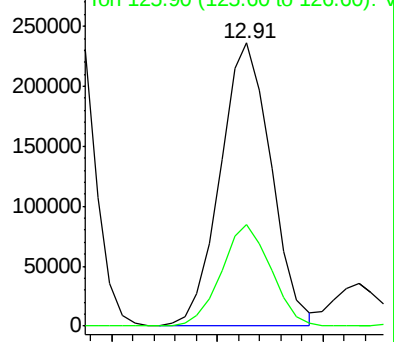
Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 35.62 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064859.D

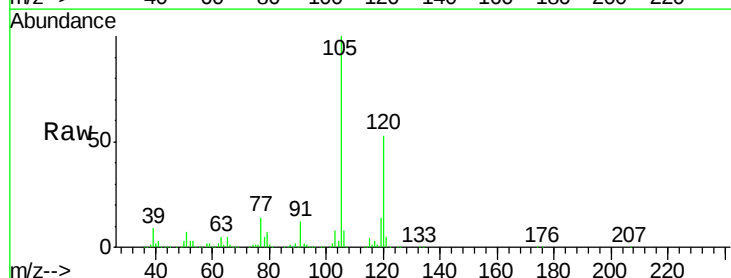
Acq: 17 Jan 2020 13:23

Tgt Ion: 105 Resp: 475342

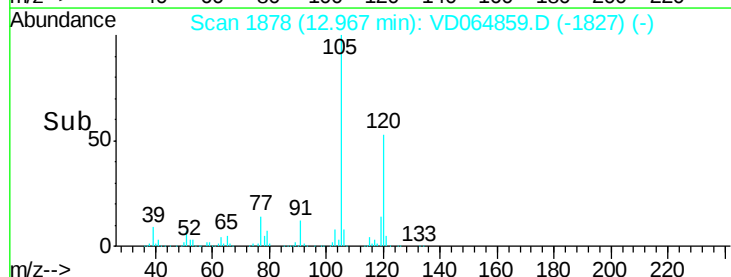
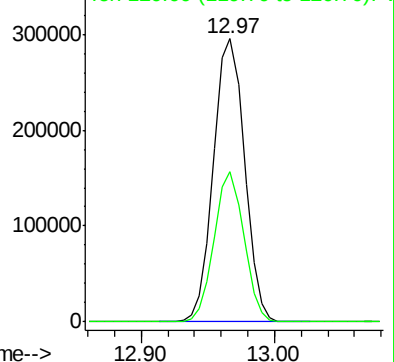
Ion Ratio Lower Upper

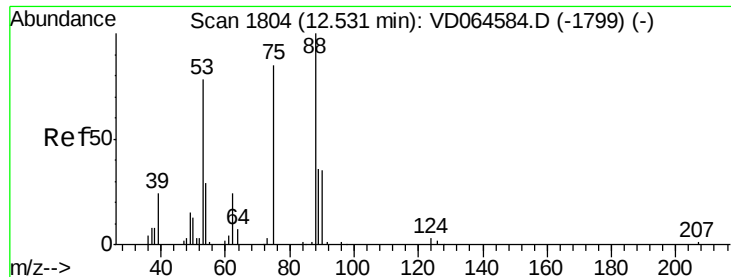
105 100

120 51.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 46.31 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

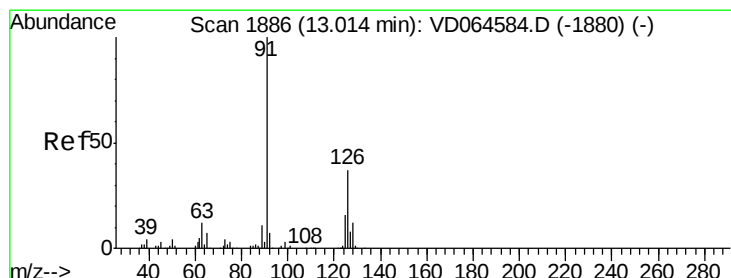
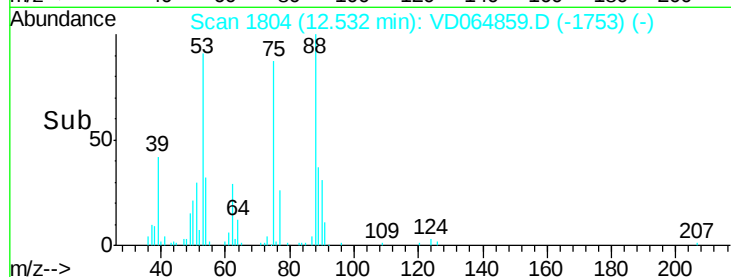
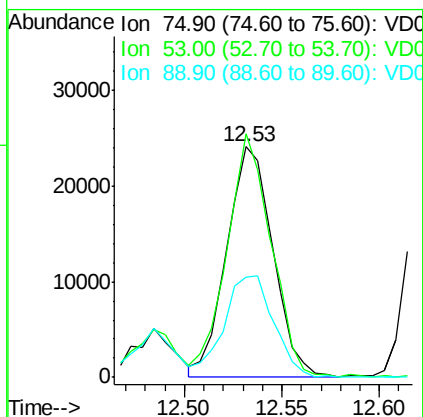
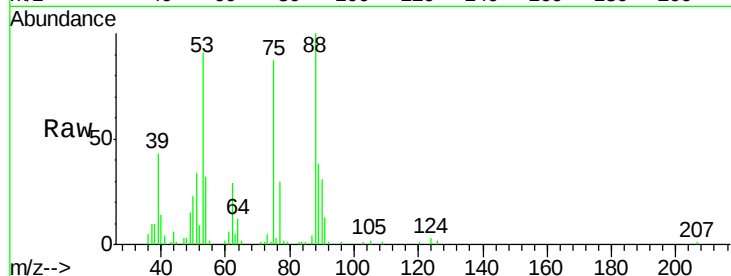
Tgt Ion: 75 Resp: 39748

Ion Ratio Lower Upper

75 100

53 100.8 78.8 118.2

89 47.1 38.3 57.5



#82

4-Chlorotoluene

Concen: 37.84 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064859.D

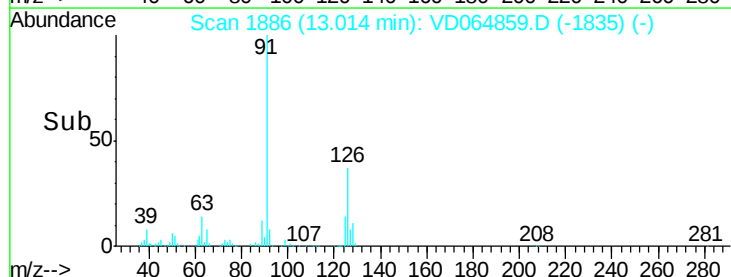
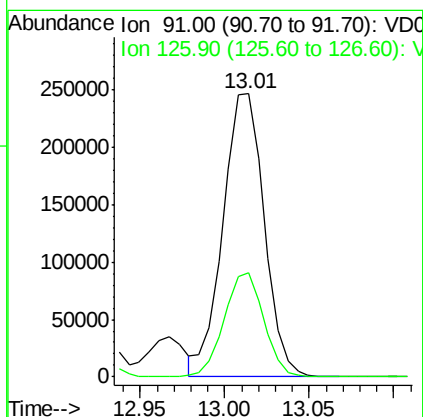
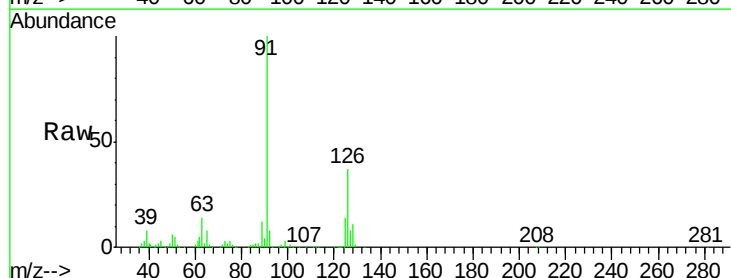
Acq: 17 Jan 2020 13:23

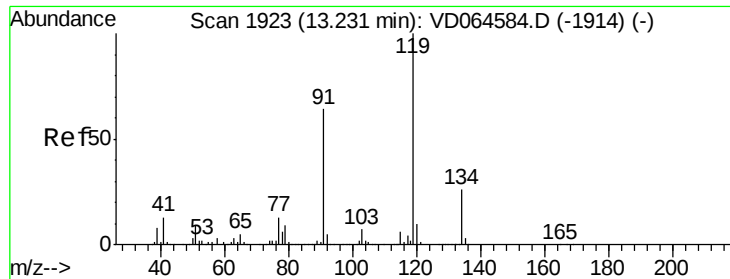
Tgt Ion: 91 Resp: 419251

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5

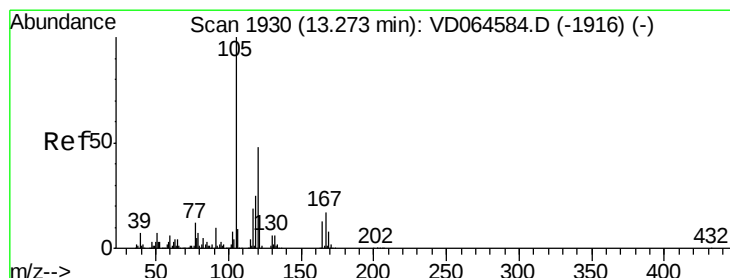
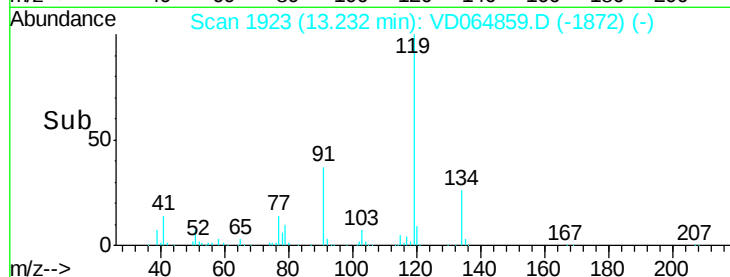
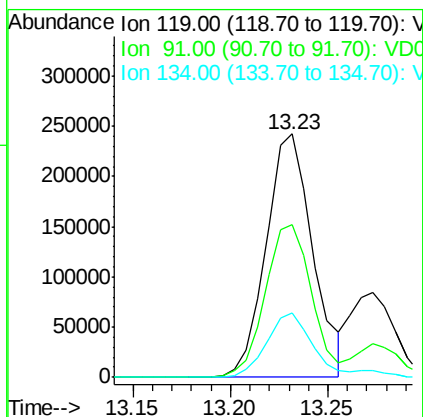
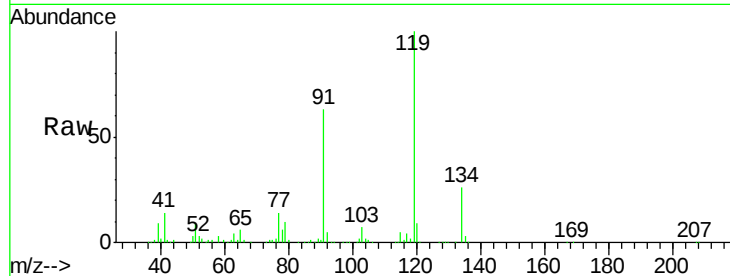




#83
tert-Butylbenzene
Concen: 34.65 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

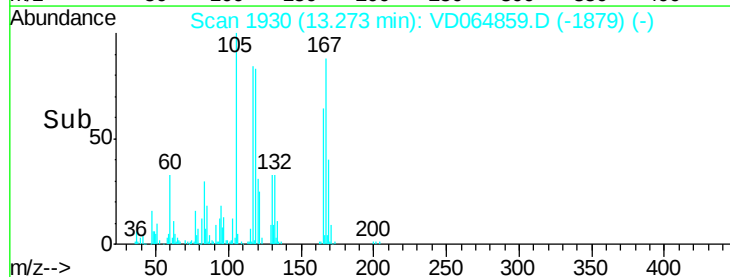
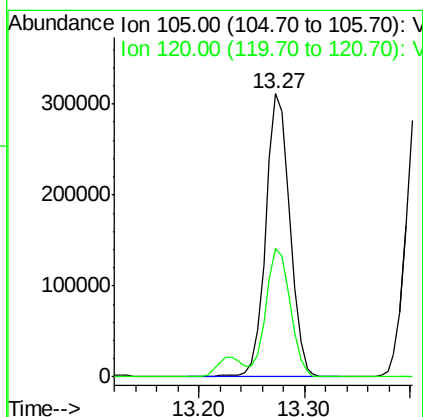
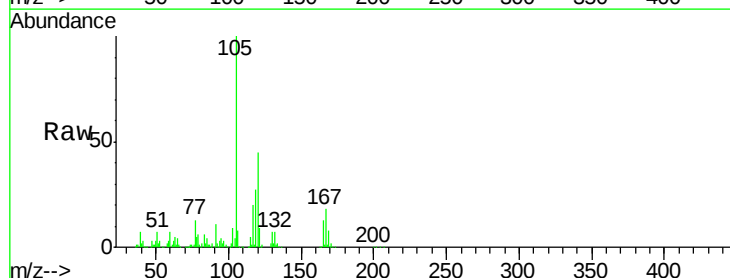
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

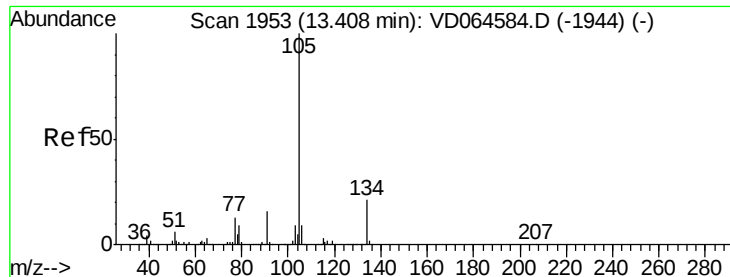
Tgt Ion:119 Resp: 401560
Ion Ratio Lower Upper
119 100
91 62.3 30.8 92.4
134 27.9 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 36.96 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion:105 Resp: 491227
Ion Ratio Lower Upper
105 100
120 45.5 23.8 71.2





#85

sec-Butylbenzene

Concen: 33.36 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

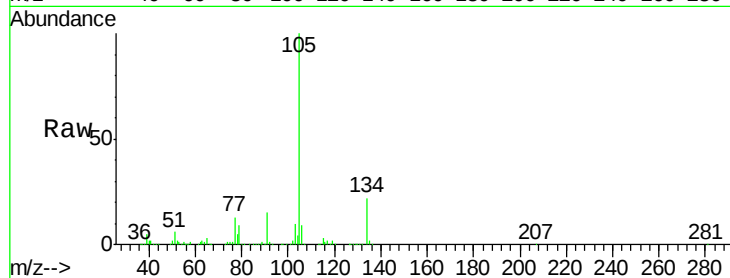
EP-3MS

Tgt Ion:105 Resp: 529927

Ion Ratio Lower Upper

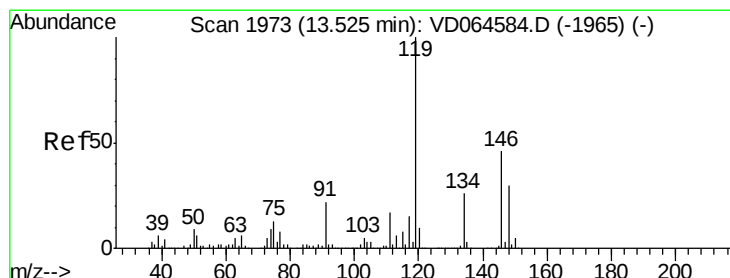
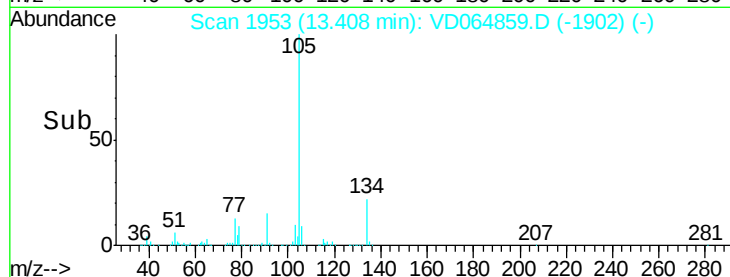
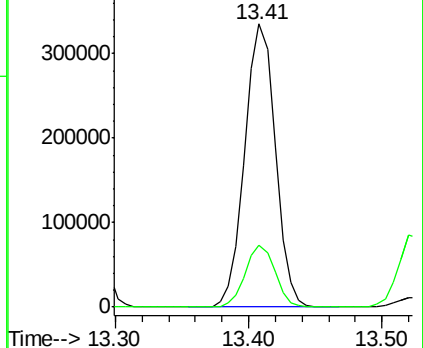
105 100

134 21.2 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: 33.73 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

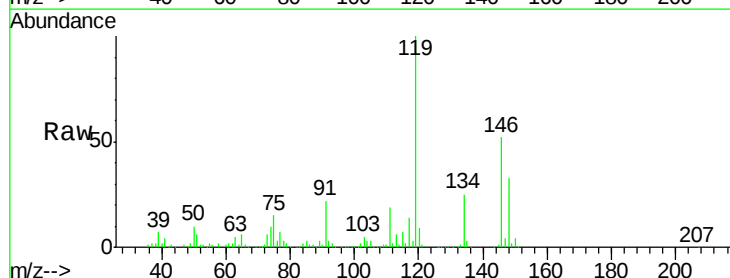
Tgt Ion:119 Resp: 512291

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

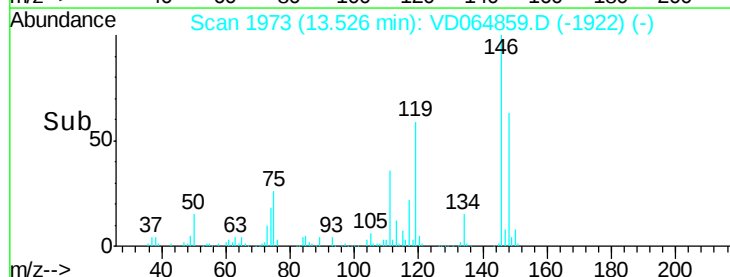
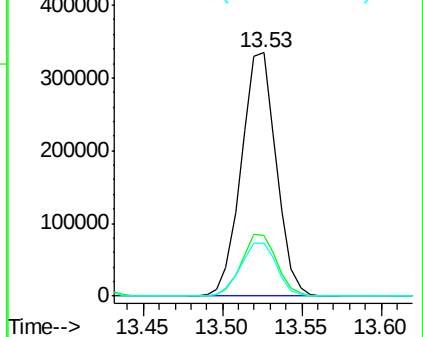
91 22.6 11.2 33.6

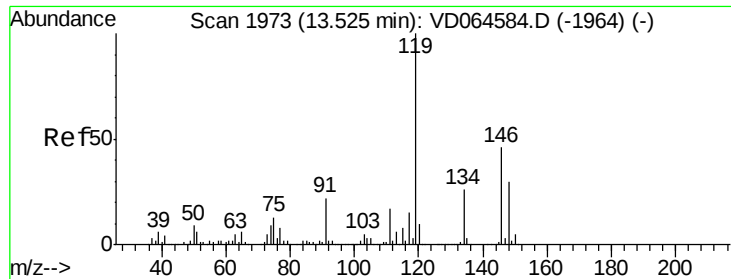


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

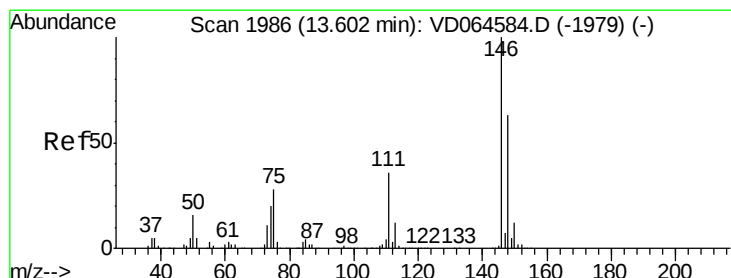
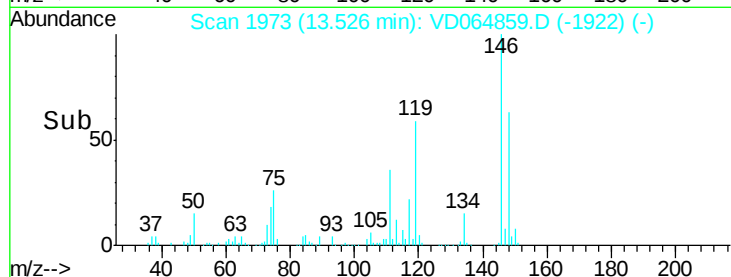
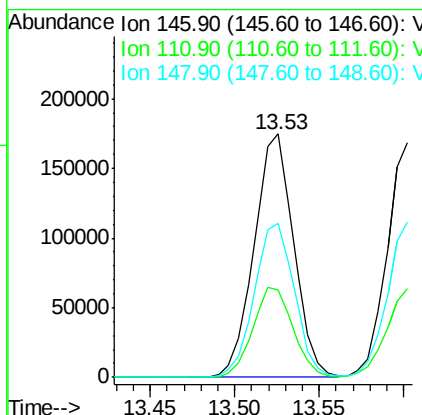
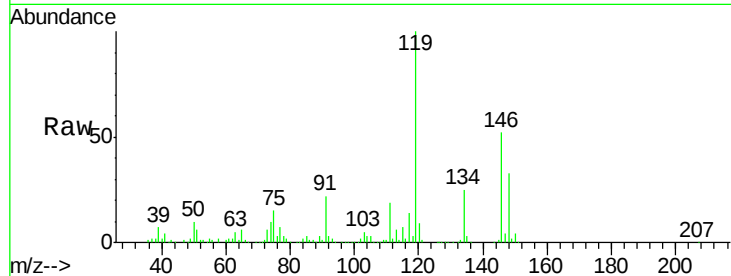




#87
 1,3-Dichlorobenzene
 Concen: 37.46 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

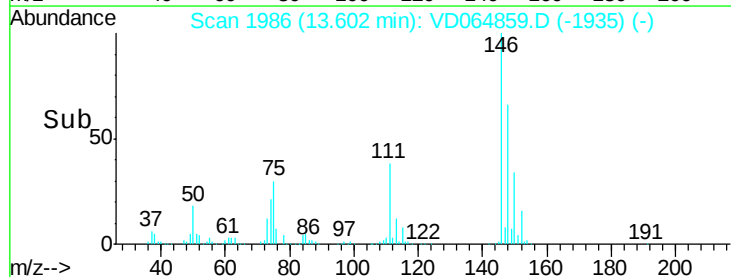
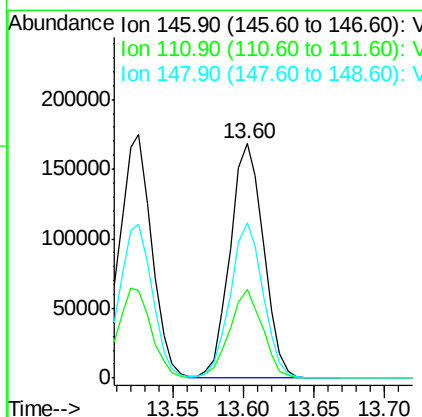
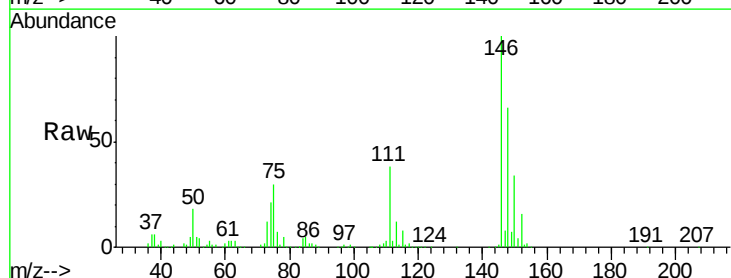
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

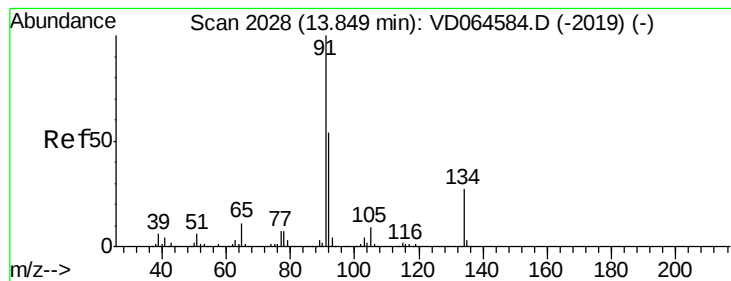
Tgt Ion:146 Resp: 285048
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 37.38 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion:146 Resp: 279434
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.1 54.1
 148 64.8 32.3 96.9





#89

n-Butylbenzene

Concen: 32.56 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

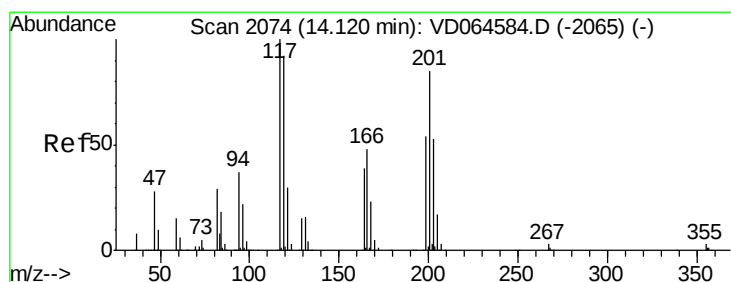
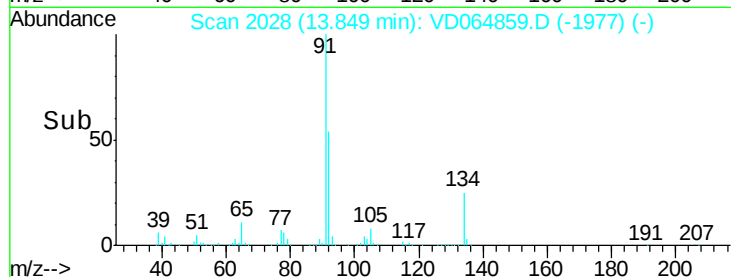
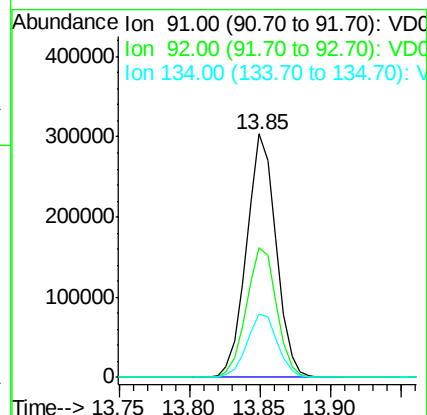
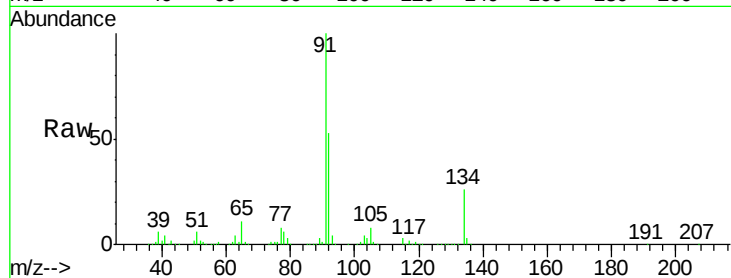
Tgt Ion: 91 Resp: 445352

Ion Ratio Lower Upper

91 100

92 54.3 26.8 80.4

134 27.0 14.0 41.9



#90

Hexachloroethane

Concen: 34.99 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064859.D

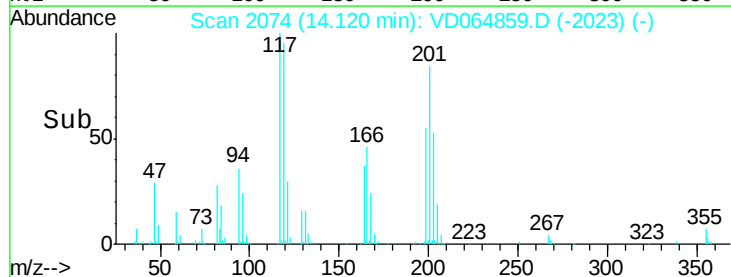
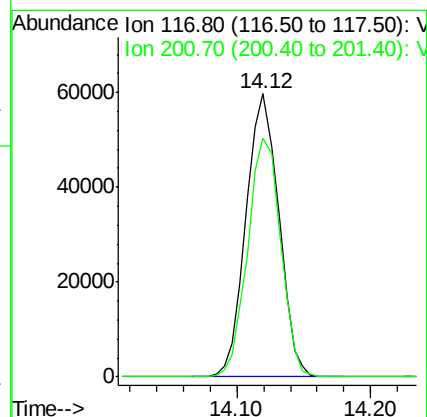
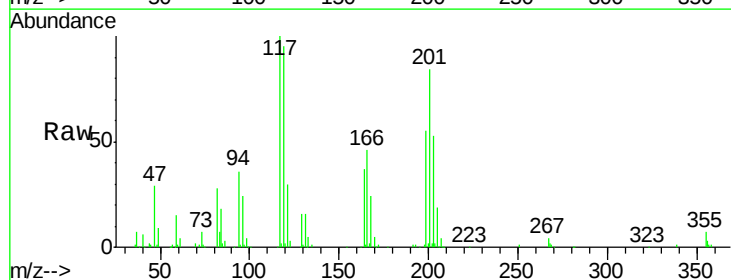
Acq: 17 Jan 2020 13:23

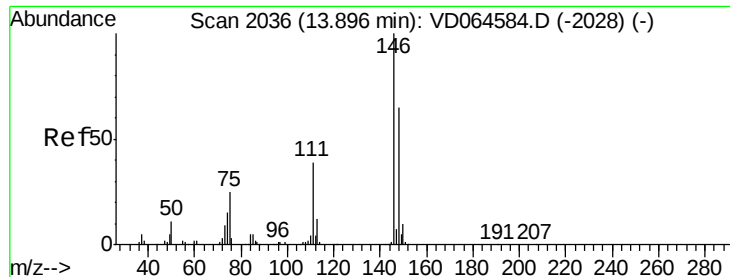
Tgt Ion: 117 Resp: 101535

Ion Ratio Lower Upper

117 100

201 84.4 44.0 131.8

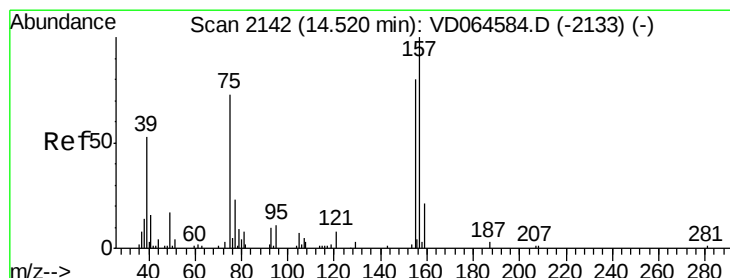
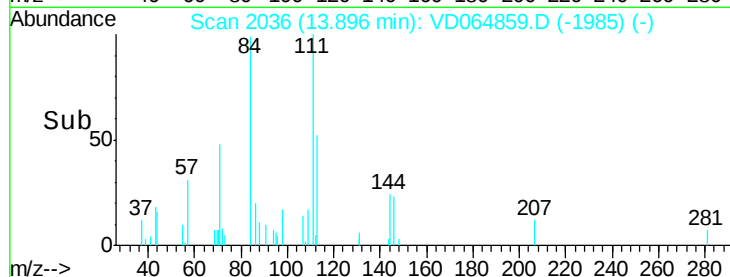
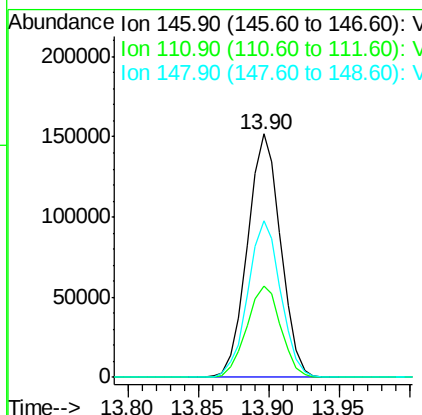
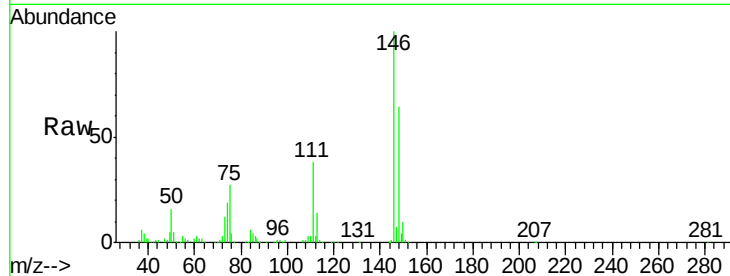




#91
 1,2-Dichlorobenzene
 Concen: 38.55 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

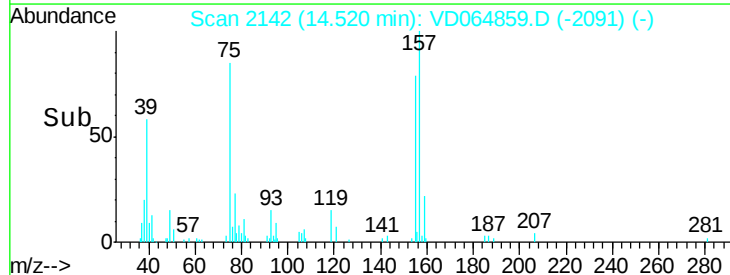
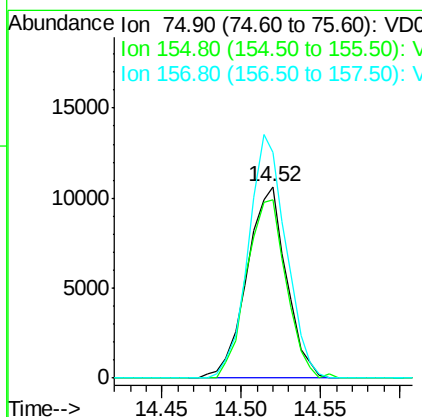
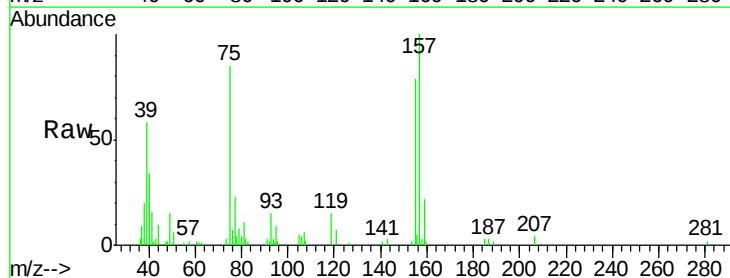
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

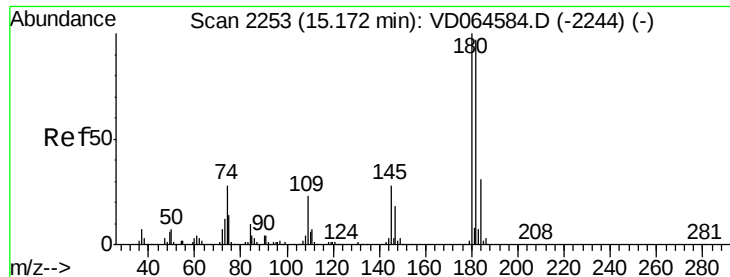
Tgt Ion: 146 Resp: 250169
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 63.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.50 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 75 Resp: 18410
 Ion Ratio Lower Upper
 75 100
 155 93.7 48.0 144.0
 157 121.4 64.1 192.3

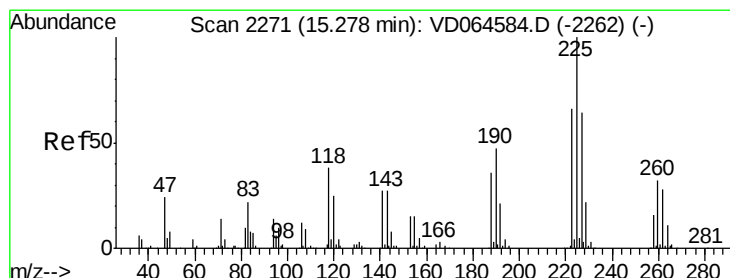
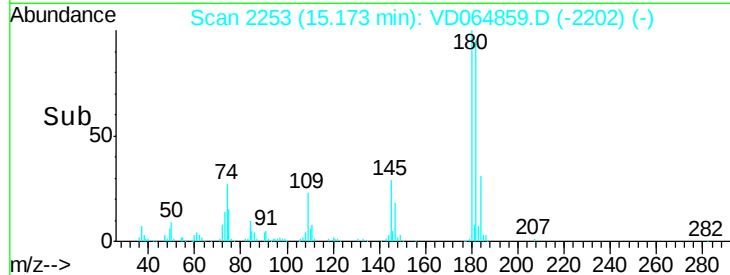
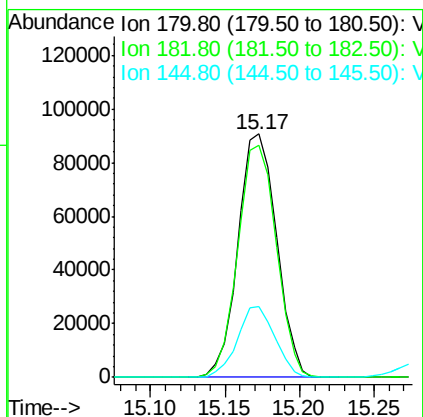
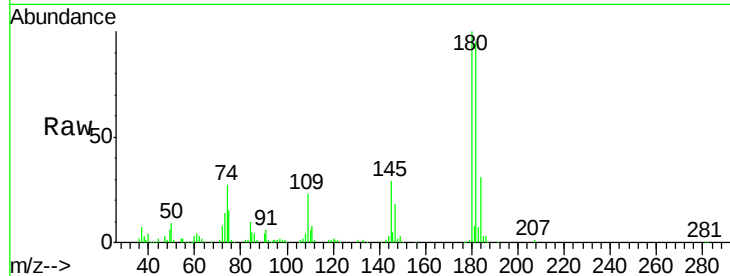




#93
 1,2,4-Trichlorobenzene
 Concen: 34.01 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

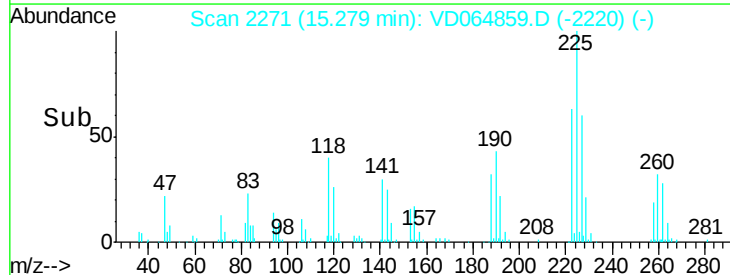
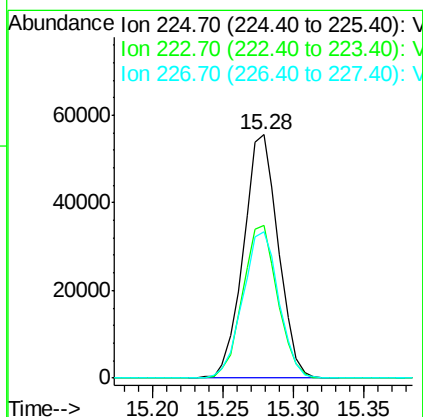
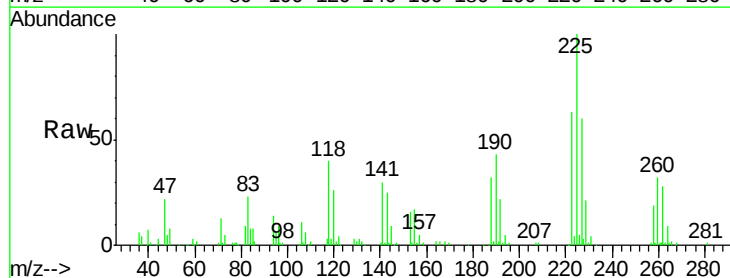
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

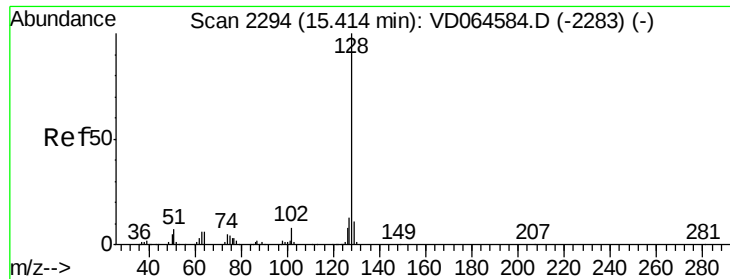
Tgt Ion:180 Resp: 162521
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.0 144.2
 145 28.4 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 31.91 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion:225 Resp: 95943
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 62.3 30.9 92.7





#95

Naphthalene

Concen: 39.06 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

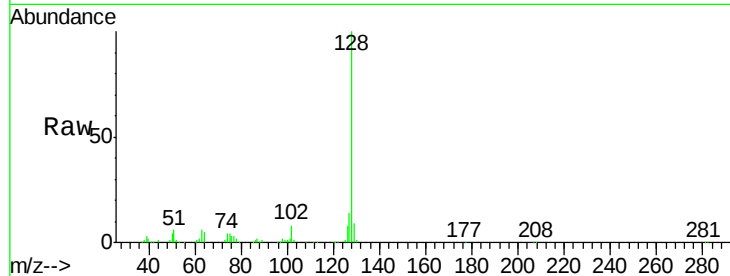
Tgt Ion:128 Resp: 295253

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

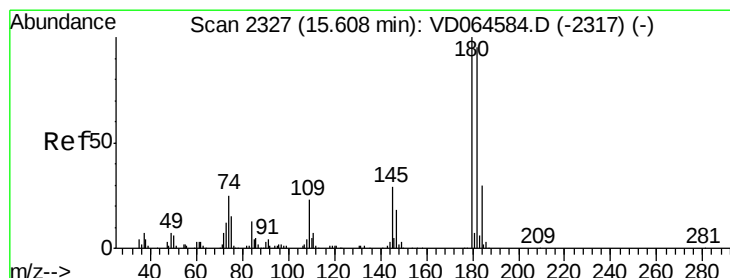
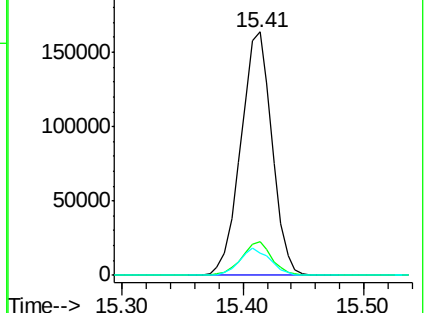
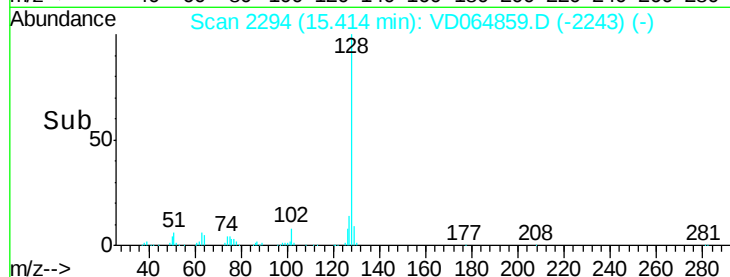
129 11.0 8.5 12.7



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: 34.64 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

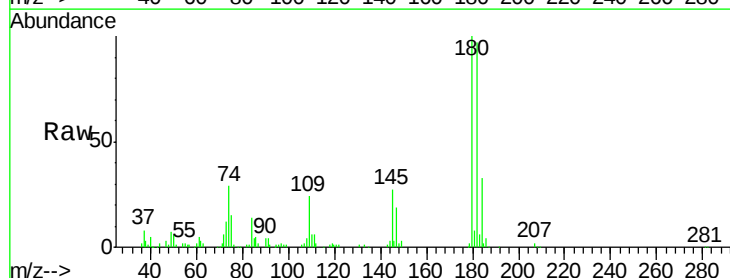
Tgt Ion:180 Resp: 141303

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.7

145 30.2 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

