

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD011720\
 Data File : VD064860.D
 Acq On : 17 Jan 2020 13:51
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 4.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Quant Time: Jan 17 22:51:25 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	369508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	535588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165743	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.92	113	163371	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.34	98	595446	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.64	95	188500	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114094	39.73	ug/l	96
3) Chloromethane	2.21	50	172953	43.06	ug/l	99
4) Vinyl Chloride	2.35	62	205311	41.93	ug/l	98
5) Bromomethane	2.77	94	143927	40.42	ug/l	91
6) Chloroethane	2.93	64	137911	42.03	ug/l	98
7) Trichlorofluoromethane	3.27	101	342191	41.50	ug/l	100
8) Diethyl Ether	3.71	74	78024	47.65	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	163090	47.76	ug/l	97
10) Methyl Iodide	4.30	142	177509	48.40	ug/l	98
11) Tert butyl alcohol	5.25	59	53894	288.61	ug/l	95
12) 1,1-Dichloroethene	4.06	96	149019	45.84	ug/l	98
13) Acrolein	3.93	56	463	1.78	ug/l #	49
14) Allyl chloride	4.71	41	255677	50.44	ug/l	99
15) Acrylonitrile	5.43	53	176424	258.69	ug/l	99
16) Acetone	4.17	43	220747	334.24	ug/l	92
17) Carbon Disulfide	4.40	76	426134	40.54	ug/l	98
18) Methyl Acetate	4.73	43	109554	59.72	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	378823	52.46	ug/l	94
20) Methylene Chloride	4.97	84	172535	51.97	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	177092	47.83	ug/l	97
22) Diisopropyl ether	6.37	45	536278	53.05	ug/l	96
23) Vinyl Acetate	6.31	43	1402861	244.62	ug/l	100
24) 1,1-Dichloroethane	6.27	63	309451	50.99	ug/l	96
25) 2-Butanone	7.22	43	244501	273.00	ug/l	99
26) 2,2-Dichloropropane	7.21	77	288974	51.21	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	198773	49.75	ug/l	98
28) Bromochloromethane	7.56	49	123359	52.29	ug/l	97
29) Tetrahydrofuran	7.57	42	140434	252.14	ug/l	99
30) Chloroform	7.72	83	329818	51.80	ug/l	99
31) Cyclohexane	7.98	56	264388	43.52	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	303242	50.70	ug/l	99
36) 1,1-Dichloropropene	8.11	75	245810	47.68	ug/l	99
37) Ethyl Acetate	7.30	43	102900	50.81	ug/l	99
38) Carbon Tetrachloride	8.10	117	270683	49.24	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	279395	44.75	ug/l	96
40) Benzene	8.36	78	701076	49.82	ug/l	98
41) Methacrylonitrile	7.53	41	56304	47.92	ug/l	91
42) 1,2-Dichloroethane	8.43	62	210578	51.78	ug/l	99
43) Isopropyl Acetate	8.46	43	199857	49.58	ug/l	99
44) Trichloroethene	9.11	130	201066	48.64	ug/l	95
45) 1,2-Dichloropropane	9.39	63	176174	52.43	ug/l	98
46) Dibromomethane	9.48	93	92848	49.56	ug/l	97
47) Bromodichloromethane	9.67	83	254291	51.01	ug/l	99
48) Methyl methacrylate	9.46	41	95677	50.41	ug/l	94
49) 1,4-Dioxane	9.47	88	21084	976.08	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	522548	262.27	ug/l	100
52) Toluene	10.41	92	469937	50.90	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	239414	51.51	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	282112	51.48	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	126566	50.13	ug/l	97
56) Ethyl methacrylate	10.67	69	159359	50.54	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221977	51.07	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	296620	246.93	ug/l	98
59) 2-Hexanone	10.99	43	384618	284.42	ug/l	99
60) Dibromochloromethane	11.14	129	176279	50.49	ug/l	100
61) 1,2-Dibromoethane	11.25	107	124031	49.81	ug/l	99
64) Tetrachloroethene	10.88	164	168547	45.95	ug/l	98
65) Chlorobenzene	11.68	112	482575	48.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	193415	51.71	ug/l	97
67) Ethyl Benzene	11.75	91	878493	48.78	ug/l	99
68) m/p-Xylenes	11.86	106	674682	97.06	ug/l	98
69) o-Xylene	12.18	106	303968	48.41	ug/l	97
70) Styrene	12.20	104	546259	49.56	ug/l	99
71) Bromoform	12.37	173	104228	48.86	ug/l #	98
73) Isopropylbenzene	12.48	105	837416	49.21	ug/l	100
74) N-amyl acetate	12.30	43	179143	49.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134904	50.46	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	178542	94.95	ug/l #	100
77) Bromobenzene	12.77	156	205924	49.25	ug/l	100
78) n-propylbenzene	12.83	91	983431	49.54	ug/l	100
79) 2-Chlorotoluene	12.91	91	541461	49.65	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	686737	49.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	46814	52.07	ug/l	97
82) 4-Chlorotoluene	13.01	91	580423	50.01	ug/l	99
83) tert-Butylbenzene	13.23	119	587547	48.41	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	696739	50.04	ug/l	98
85) sec-Butylbenzene	13.41	105	819611	49.26	ug/l	99
86) p-Isopropyltoluene	13.53	119	783474	49.24	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	396642	49.76	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	383711	49.00	ug/l	99
89) n-Butylbenzene	13.86	91	708189	49.43	ug/l	99
90) Hexachloroethane	14.12	117	150091	49.38	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	335658	49.38	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21618	49.88	ug/l	93

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

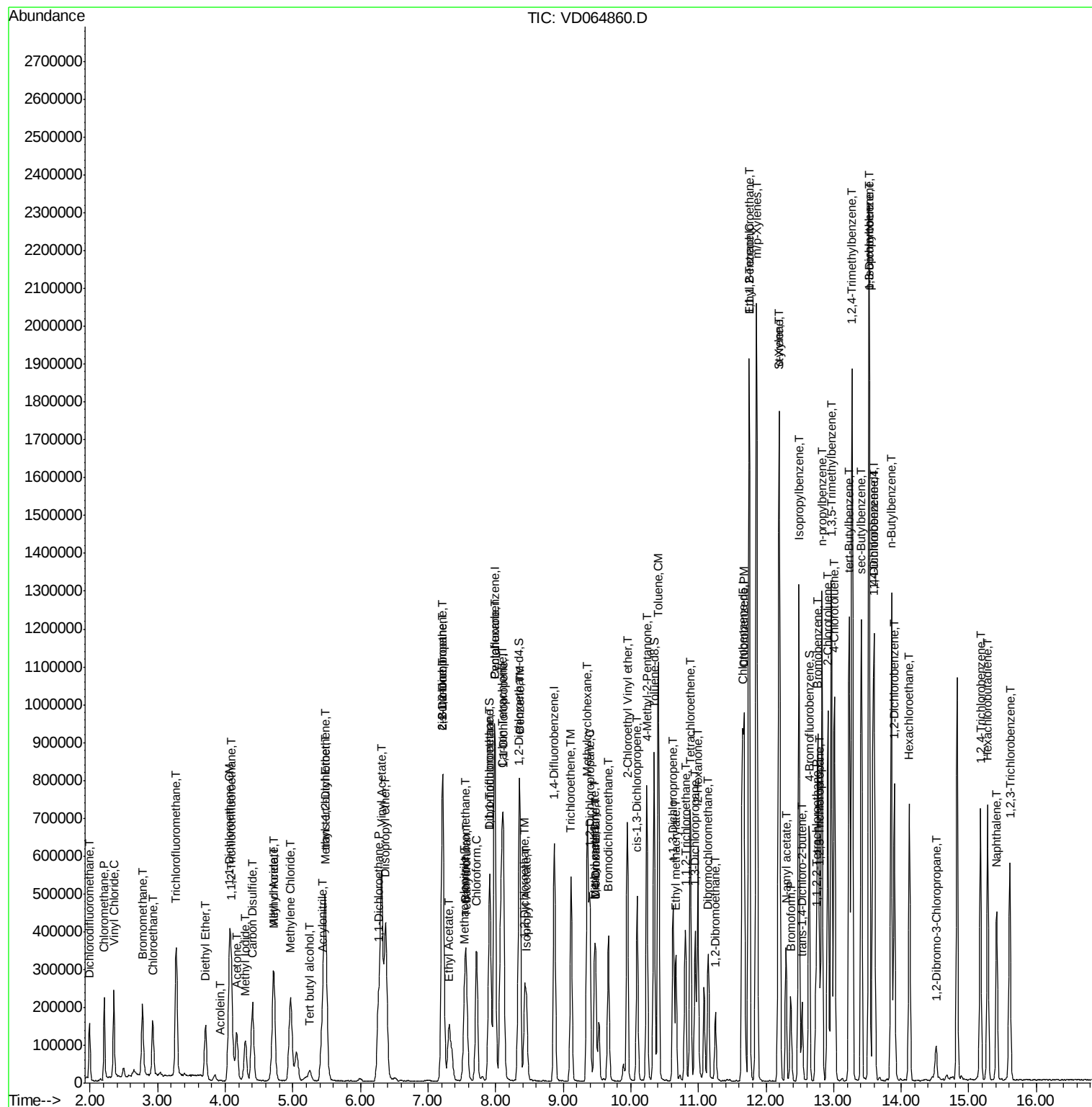
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	236937	47.34	ug/l	99
94) Hexachlorobutadiene	15.28	225	144010	45.73	ug/l	98
95) Naphthalene	15.41	128	391767	49.48	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	207189	48.49	ug/l	99

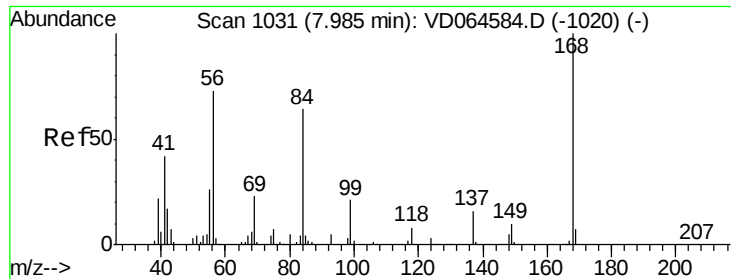
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

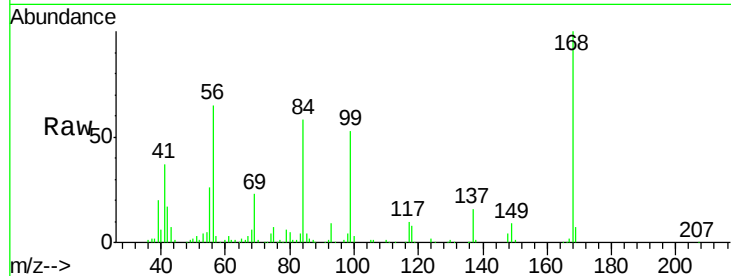
EP-3MSD

Tgt Ion:168 Resp: 369508

Ion Ratio Lower Upper

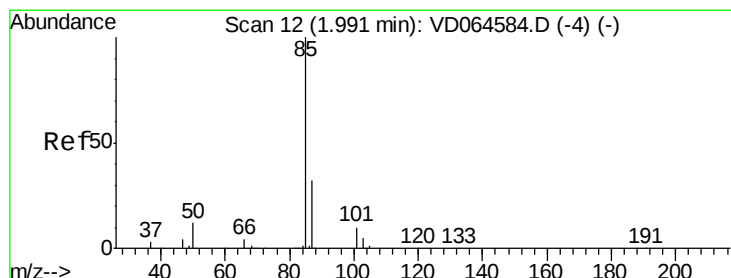
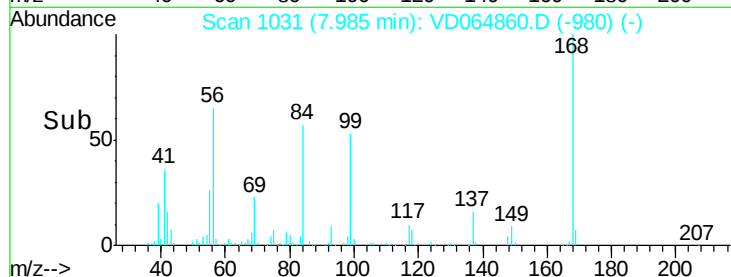
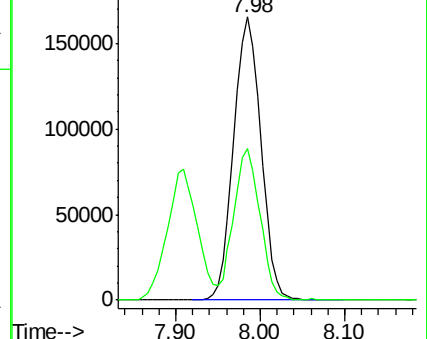
168 100

99 53.3 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: 39.73 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064860.D

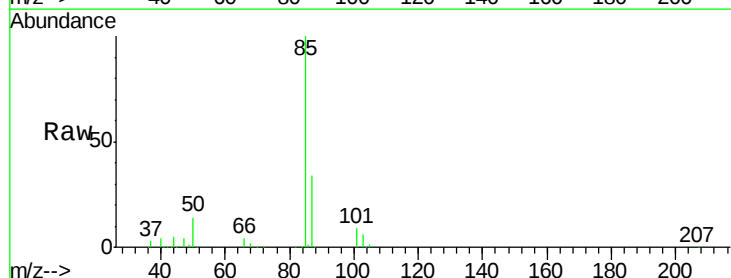
Acq: 17 Jan 2020 13:51

Tgt Ion: 85 Resp: 114094

Ion Ratio Lower Upper

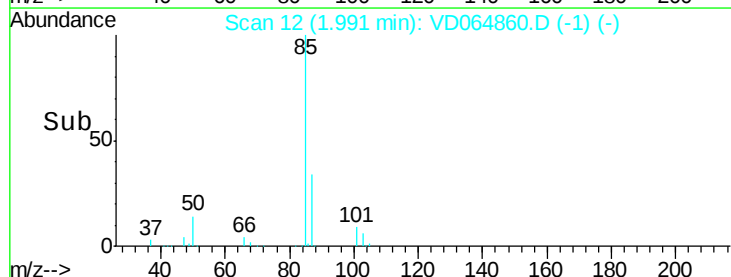
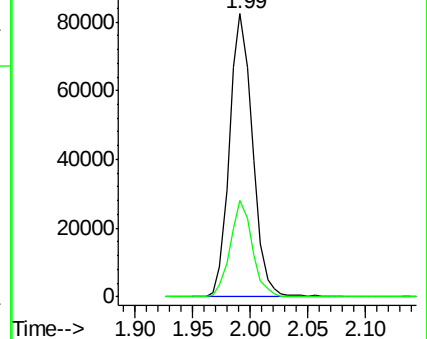
85 100

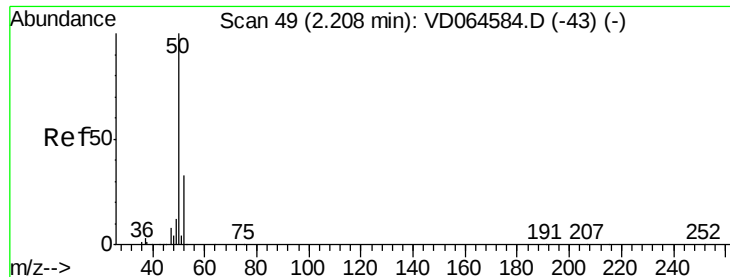
87 34.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.06 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

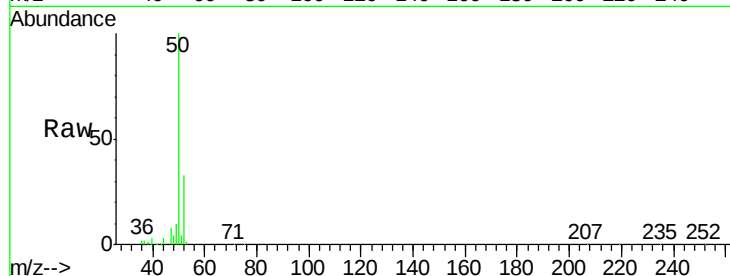
EP-3MSD

Tgt Ion: 50 Resp: 172953

Ion Ratio Lower Upper

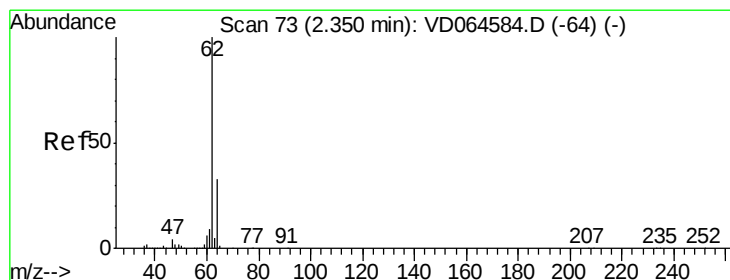
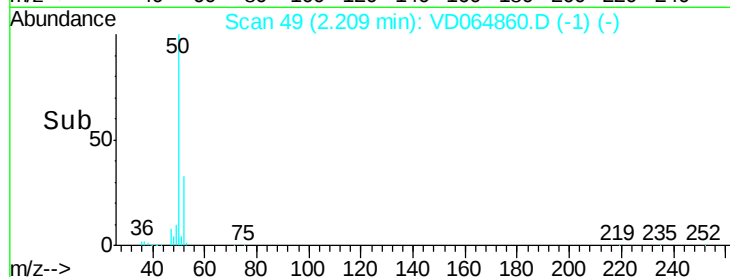
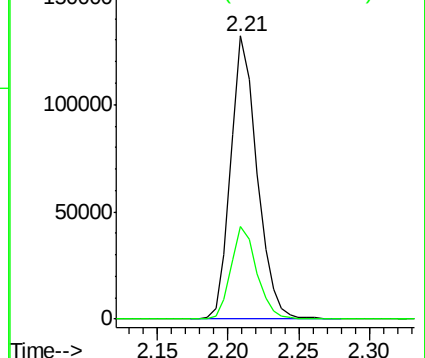
50 100

52 32.8 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: 41.93 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064860.D

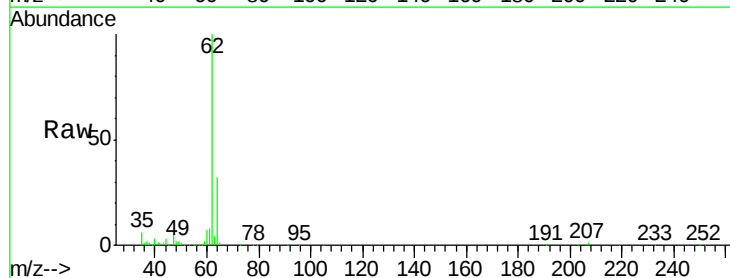
Acq: 17 Jan 2020 13:51

Tgt Ion: 62 Resp: 205311

Ion Ratio Lower Upper

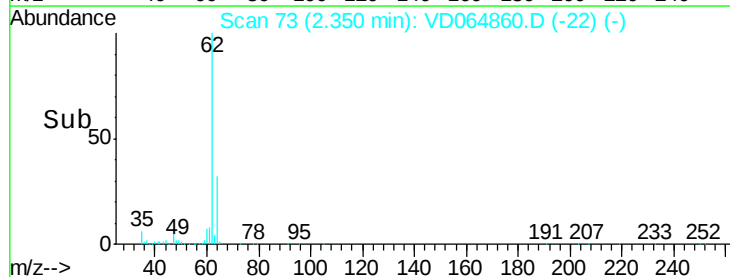
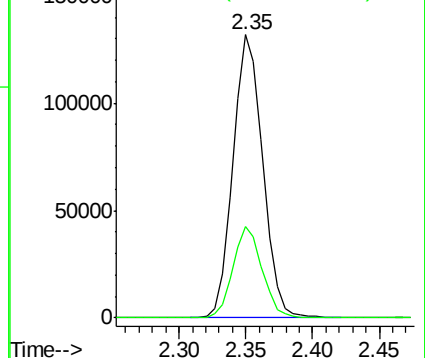
62 100

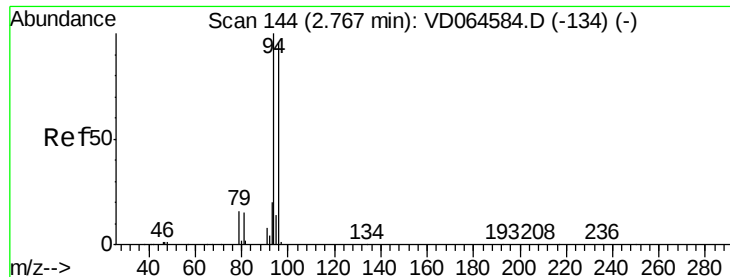
64 32.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 40.42 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

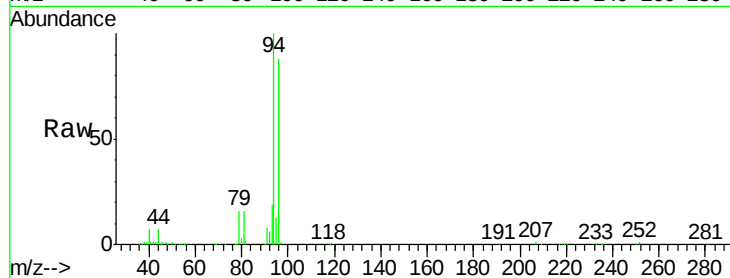
EP-3MSD

Tgt Ion: 94 Resp: 143927

Ion Ratio Lower Upper

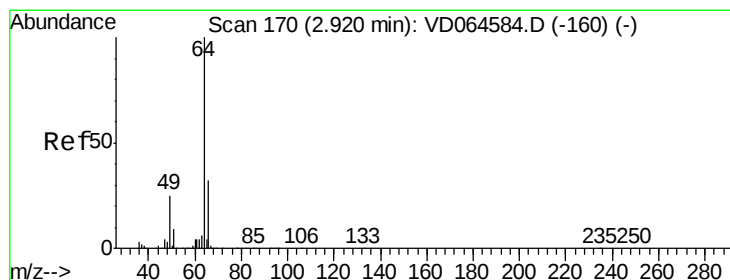
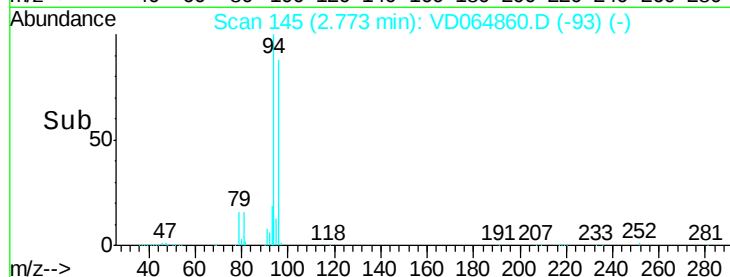
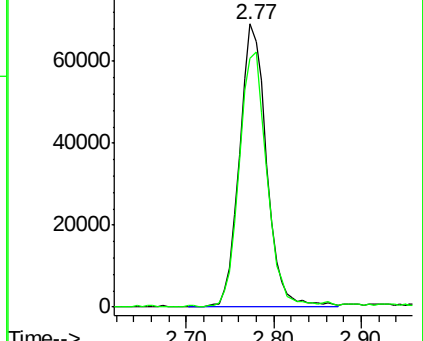
94 100

96 87.3 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.03 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064860.D

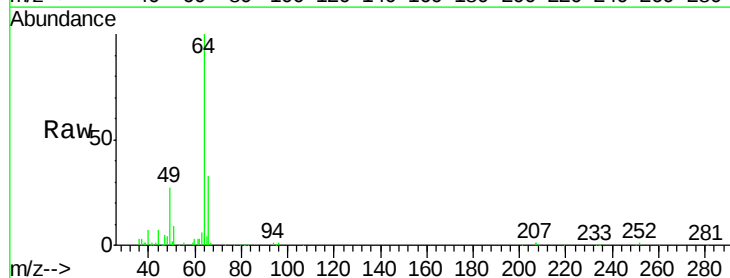
Acq: 17 Jan 2020 13:51

Tgt Ion: 64 Resp: 137911

Ion Ratio Lower Upper

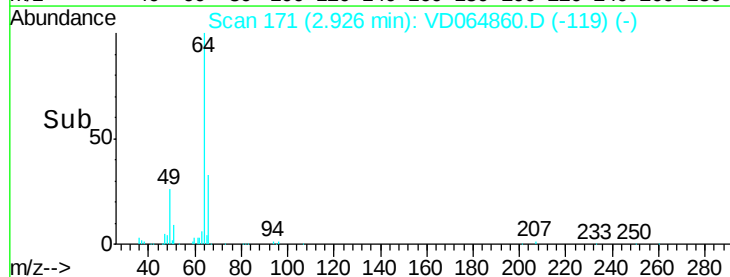
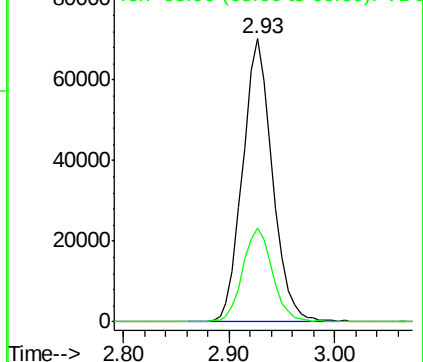
64 100

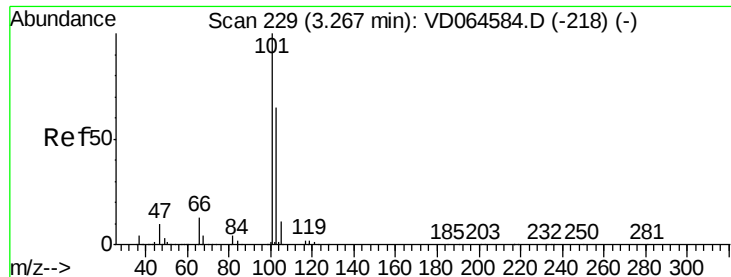
66 33.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 41.50 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

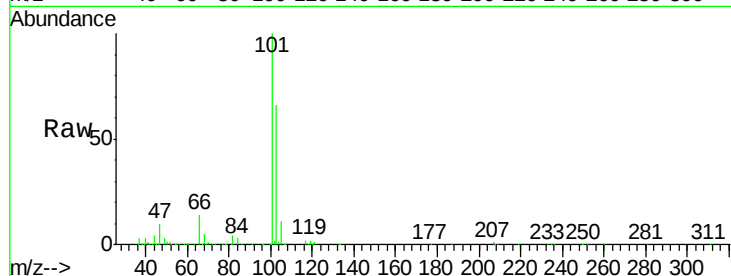
EP-3MSD

Tgt Ion:101 Resp: 342191

Ion Ratio Lower Upper

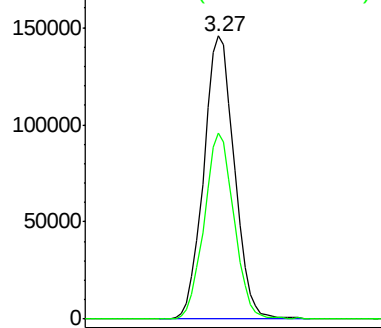
101 100

103 65.4 52.2 78.4

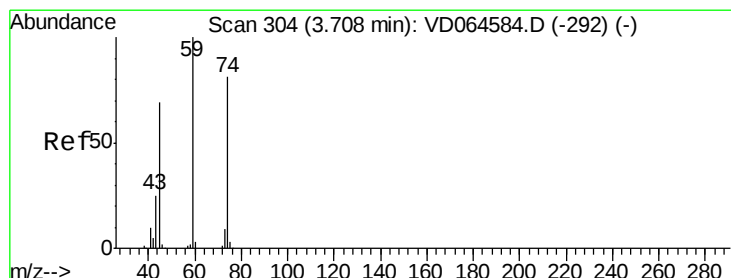
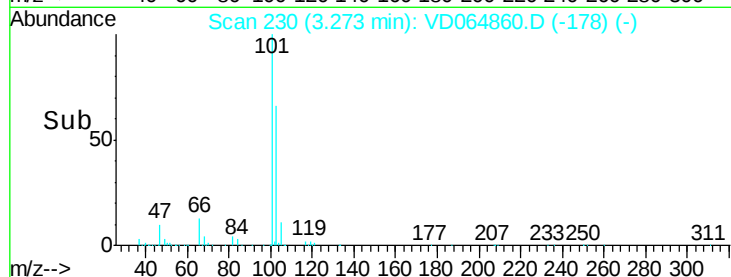


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 47.65 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064860.D

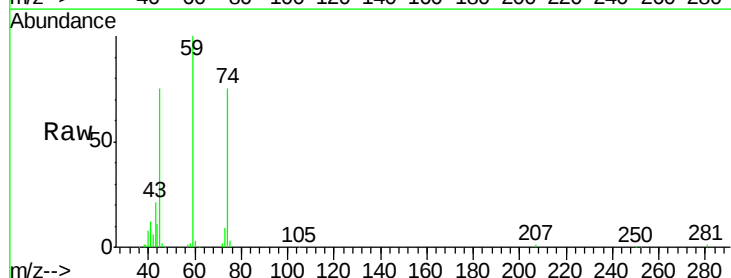
Acq: 17 Jan 2020 13:51

Tgt Ion: 74 Resp: 78024

Ion Ratio Lower Upper

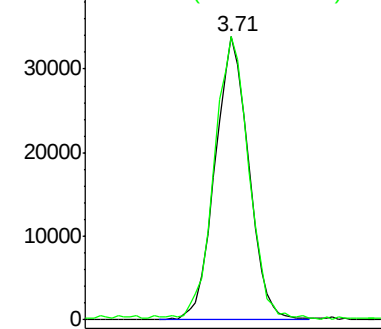
74 100

45 102.5 47.5 142.5

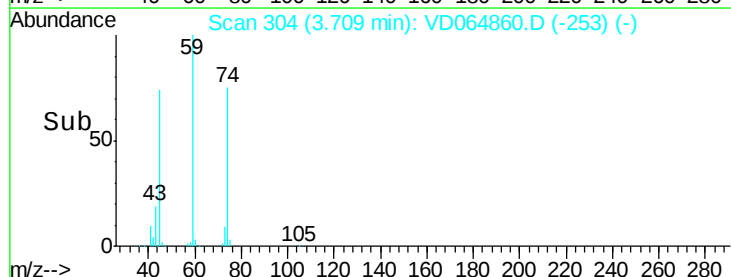


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.76 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

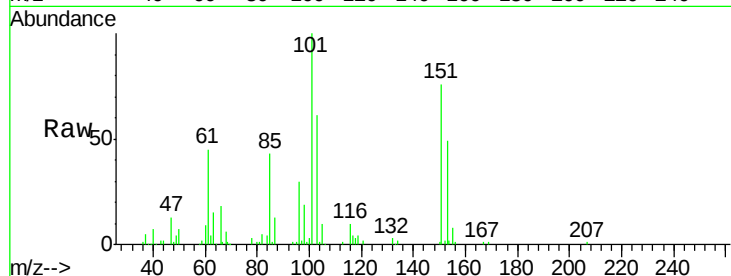
Tgt Ion:101 Resp: 163090

Ion Ratio Lower Upper

101 100

85 44.2 35.2 52.8

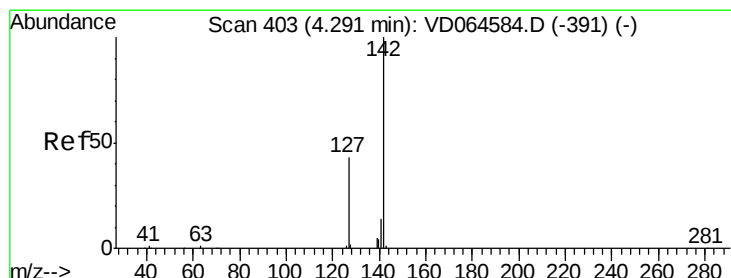
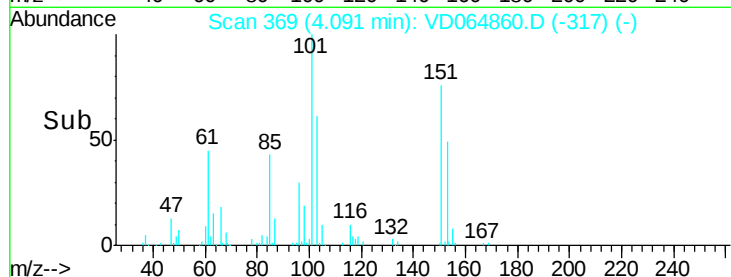
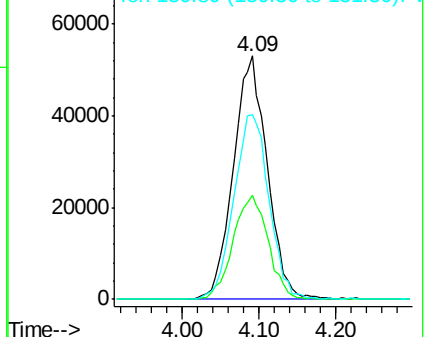
151 78.7 66.2 99.4



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: 48.40 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

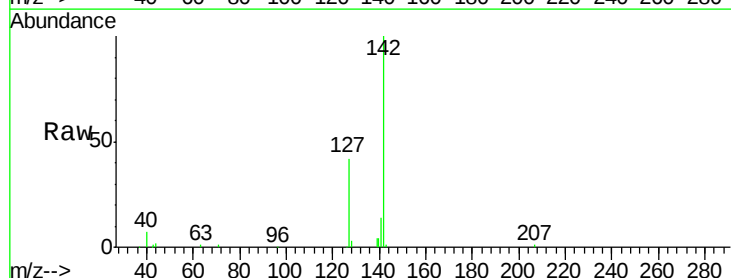
Tgt Ion:142 Resp: 177509

Ion Ratio Lower Upper

142 100

127 44.1 36.2 54.4

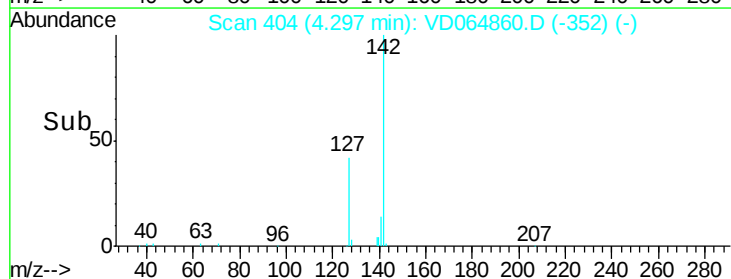
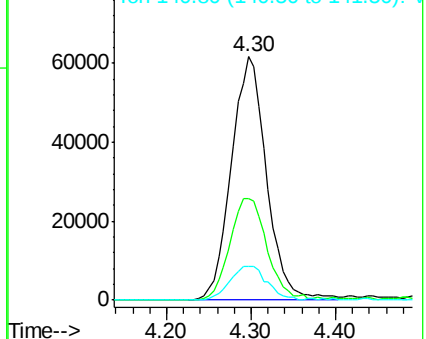
141 14.6 11.8 17.8



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



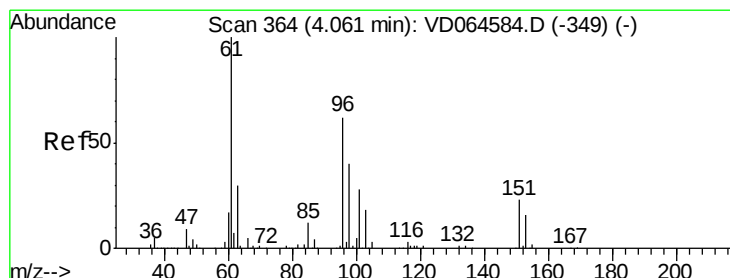
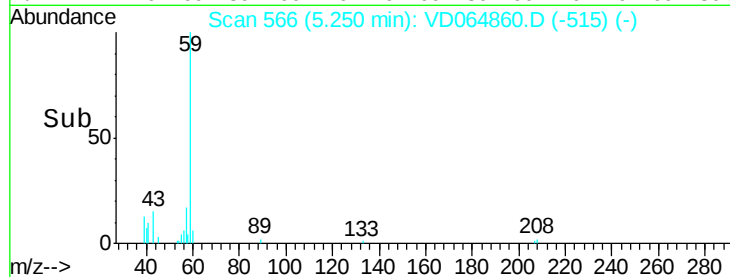
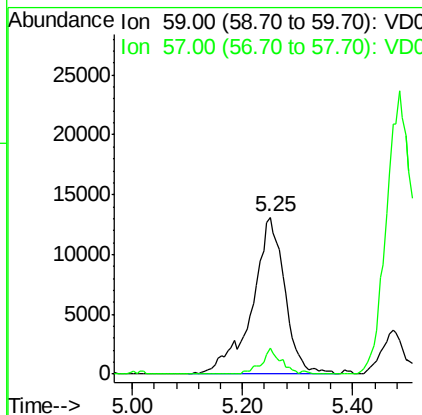
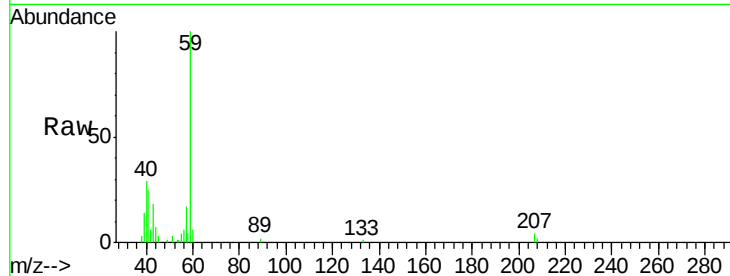


#11

Tert butyl alcohol
 Concen: 288.61 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

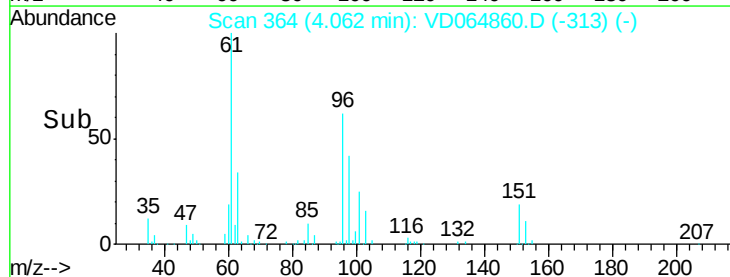
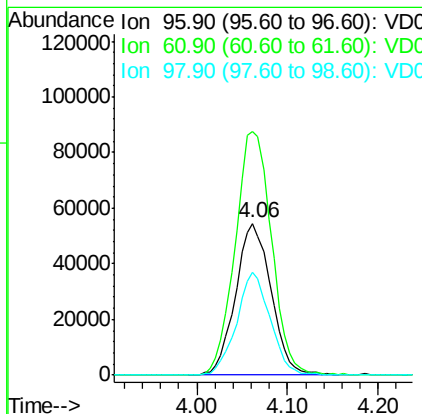
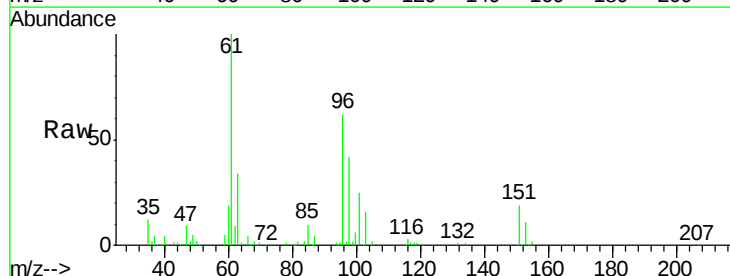
Tgt Ion: 59 Resp: 53894
 Ion Ratio Lower Upper
 59 100
 57 9.7 9.3 13.9

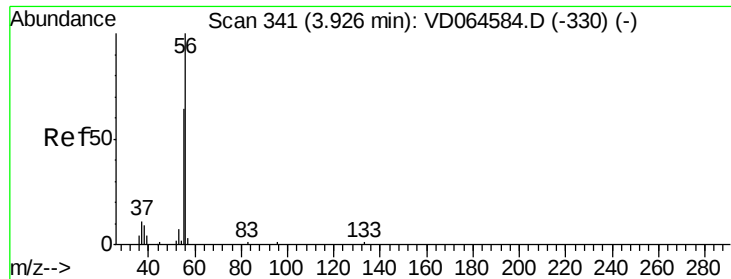


#12

1,1-Dichloroethene
 Concen: 45.84 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 96 Resp: 149019
 Ion Ratio Lower Upper
 96 100
 61 160.4 129.4 194.0
 98 68.1 51.4 77.0





#13

Acrolein

Concen: 1.78 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

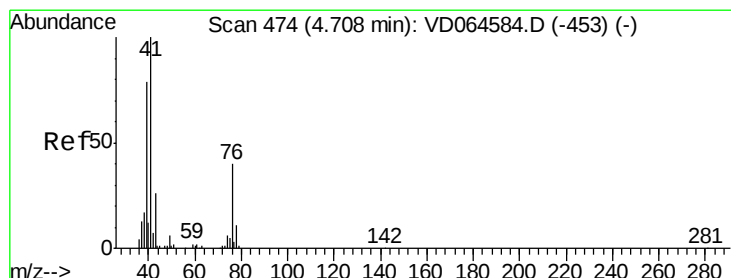
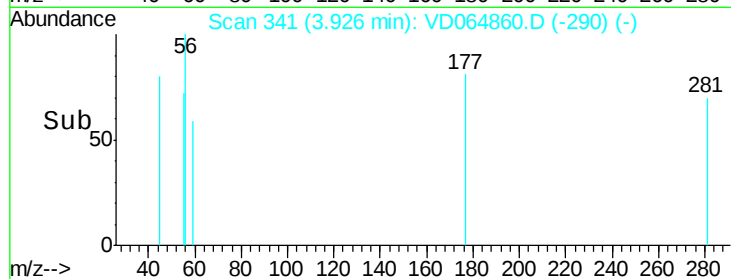
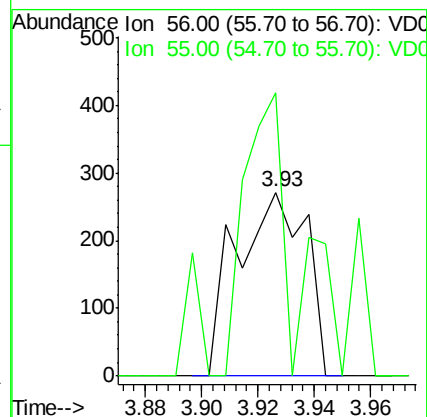
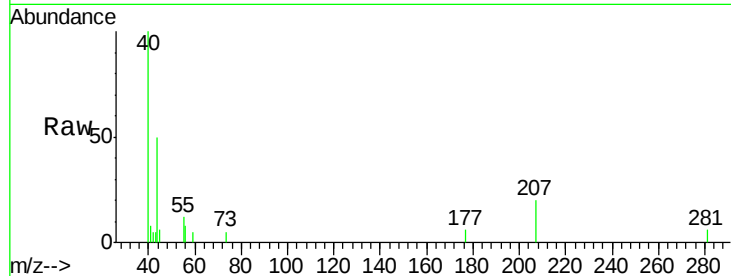
EP-3MSD

Tgt Ion: 56 Resp: 463

Ion Ratio Lower Upper

56 100

55 112.7 56.7 85.1#



#14

Allyl chloride

Concen: 50.44 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

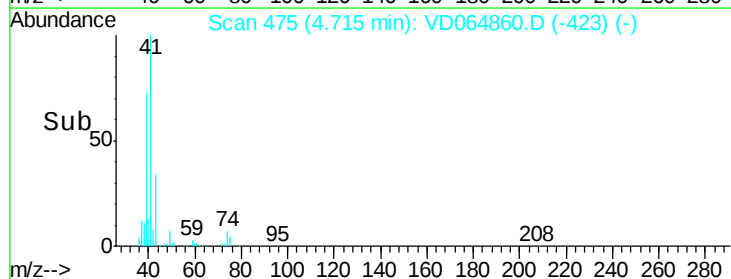
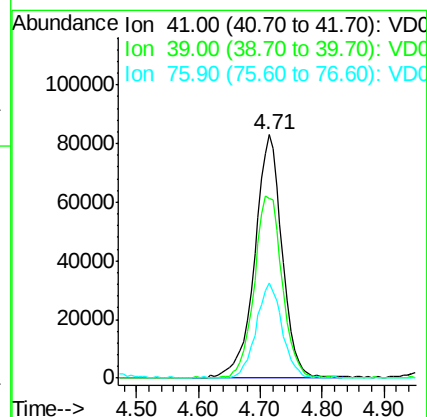
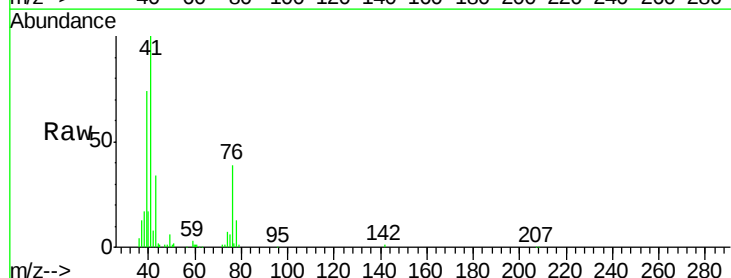
Tgt Ion: 41 Resp: 255677

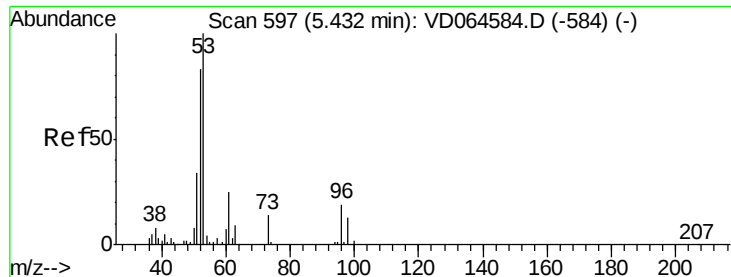
Ion Ratio Lower Upper

41 100

39 76.3 62.3 93.5

76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 258.69 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

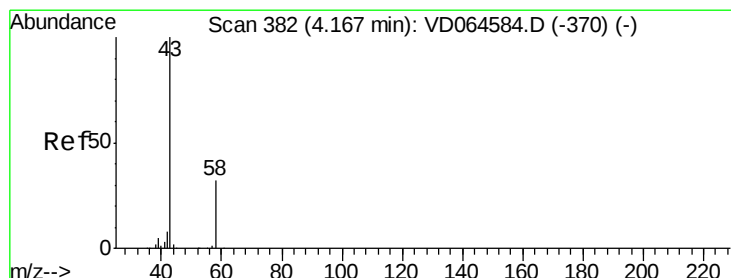
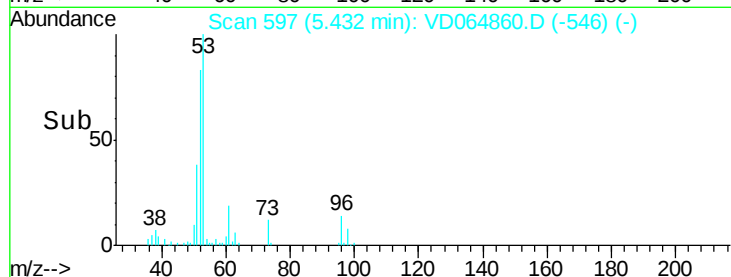
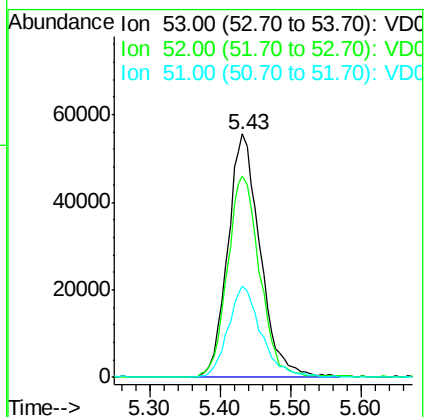
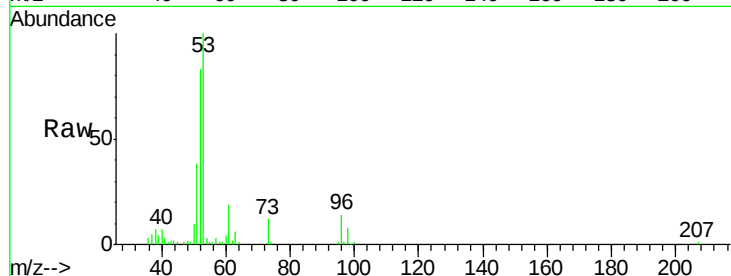
Tgt Ion: 53 Resp: 176424

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.2

51 38.5 30.1 45.1



#16

Acetone

Concen: 334.24 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064860.D

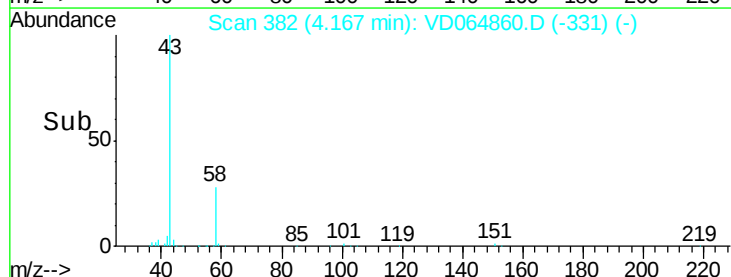
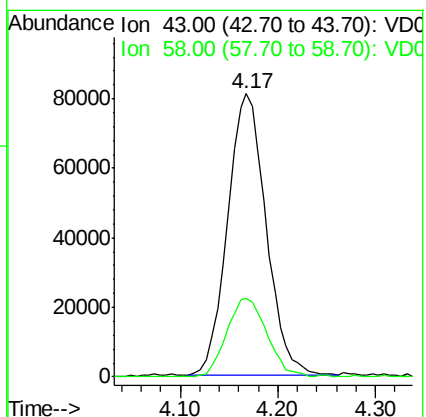
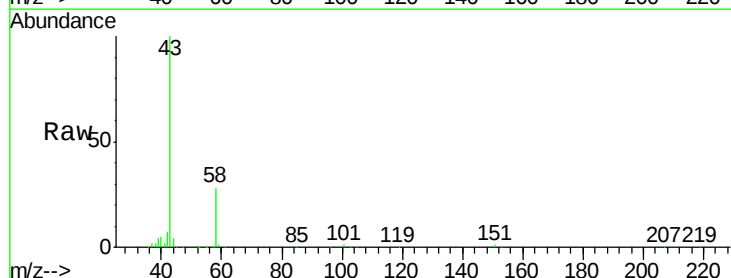
Acq: 17 Jan 2020 13:51

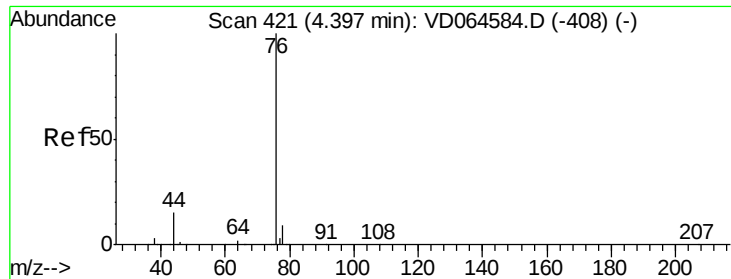
Tgt Ion: 43 Resp: 220747

Ion Ratio Lower Upper

43 100

58 27.7 25.8 38.6

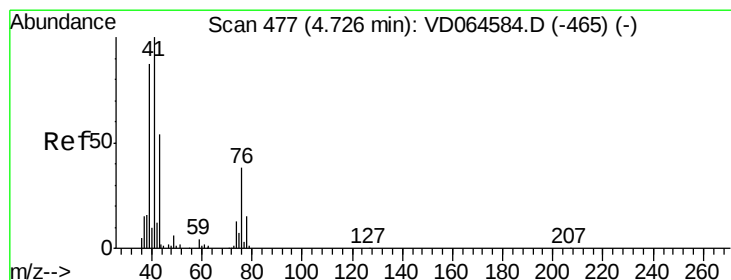
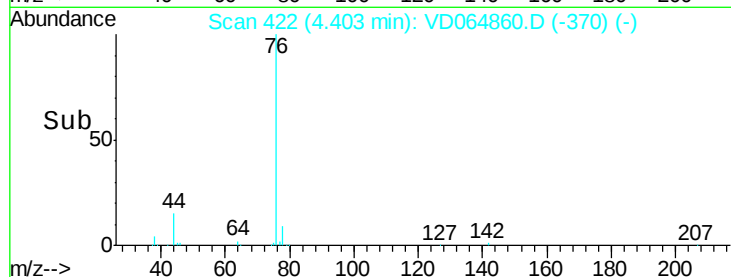
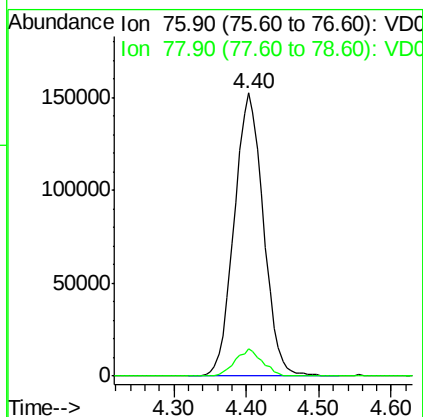
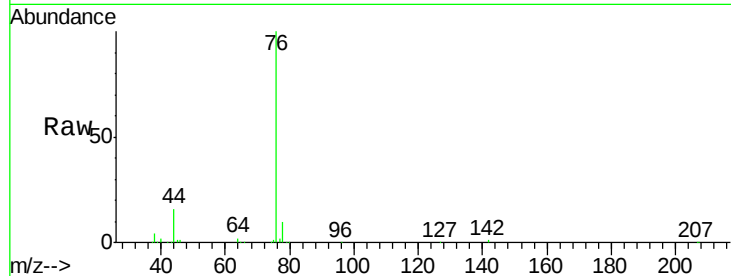




#17
Carbon Disulfide
Concen: 40.54 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

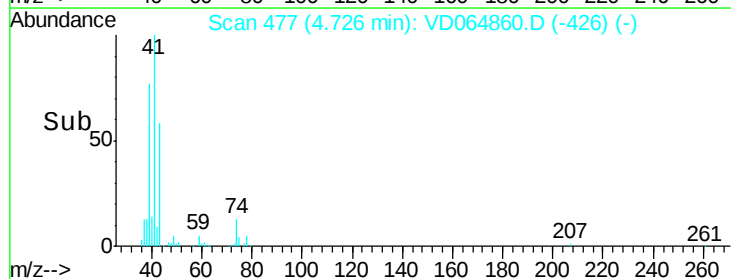
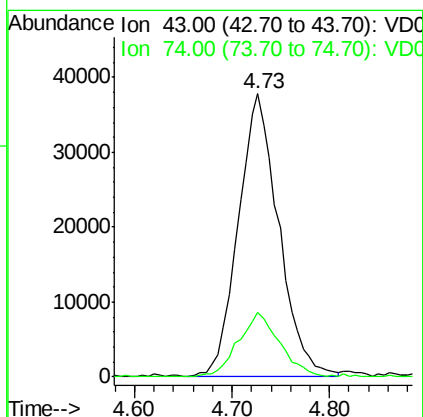
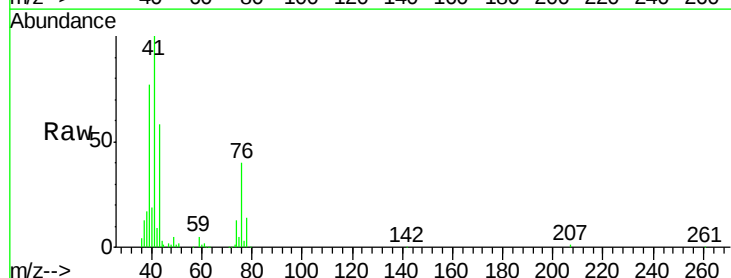
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

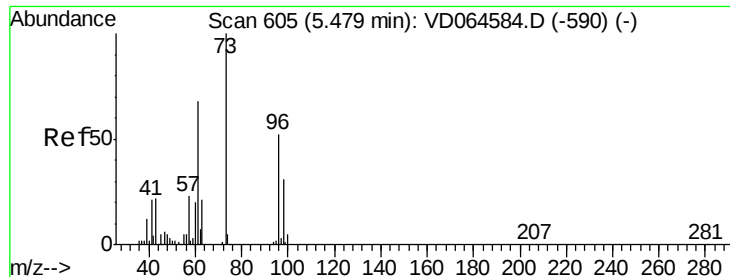
Tgt Ion: 76 Resp: 426134
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 59.72 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 43 Resp: 109554
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

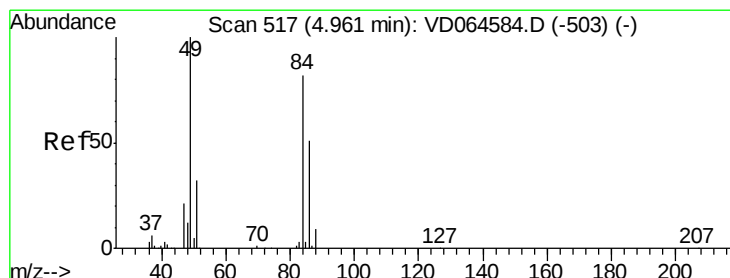
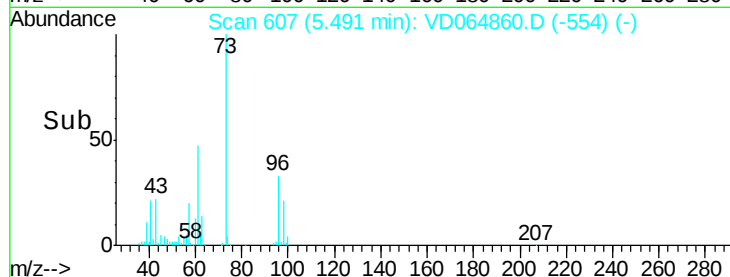
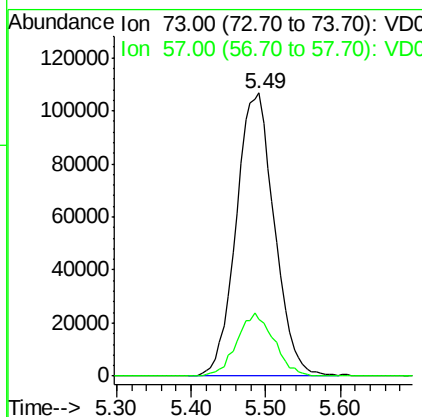
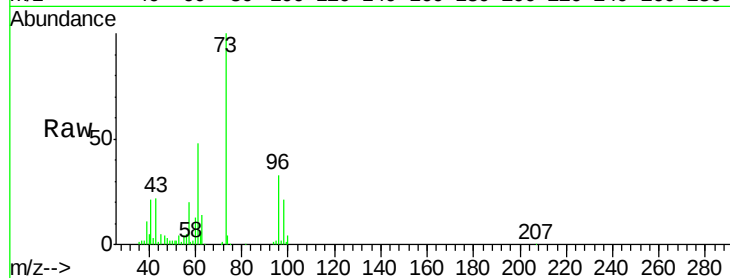




#19
Methyl tert-butyl Ether
Concen: 52.46 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

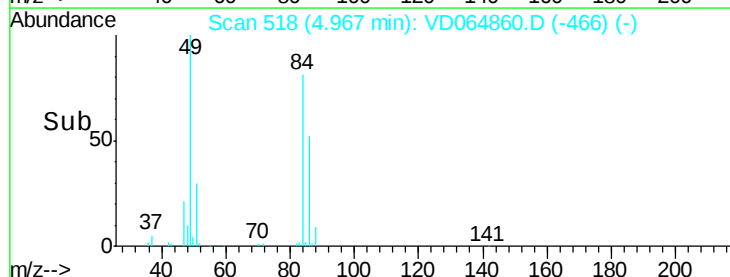
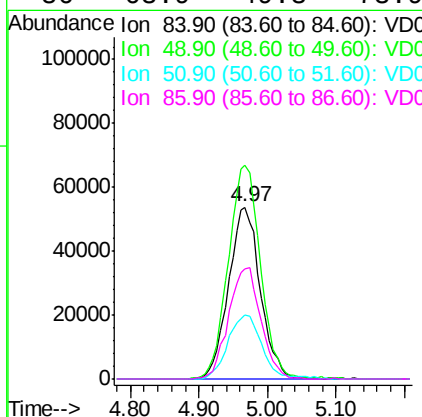
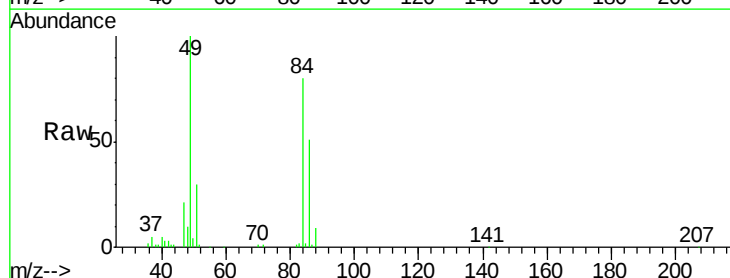
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

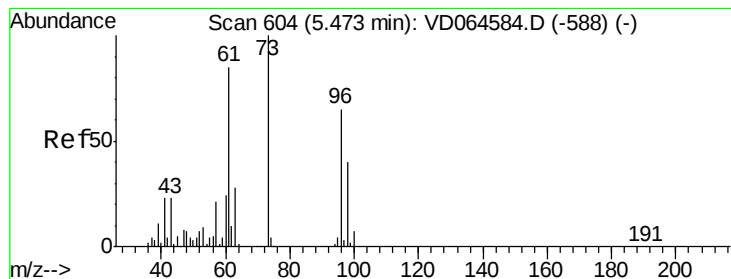
Tgt Ion: 73 Resp: 378823
Ion Ratio Lower Upper
73 100
57 20.1 18.6 27.8



#20
Methylene Chloride
Concen: 51.97 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 84 Resp: 172535
Ion Ratio Lower Upper
84 100
49 124.5 97.2 145.8
51 37.4 31.4 47.0
86 63.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 47.83 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

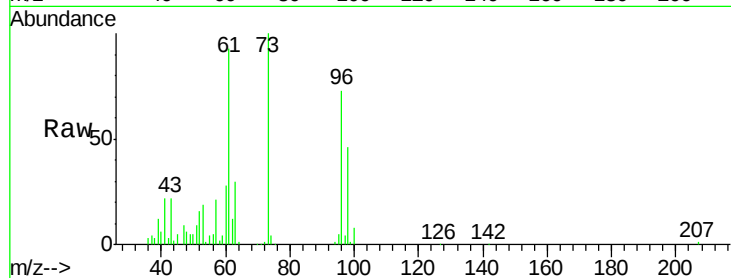
Tgt Ion: 96 Resp: 177092

Ion Ratio Lower Upper

96 100

61 126.7 104.7 157.1

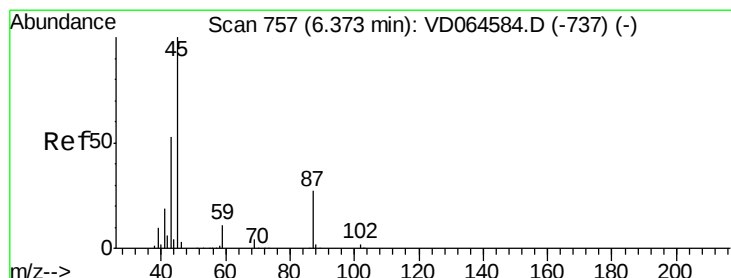
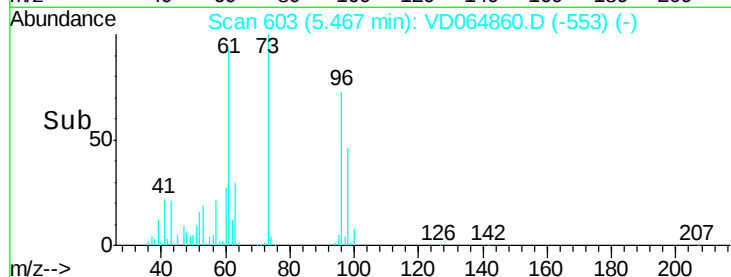
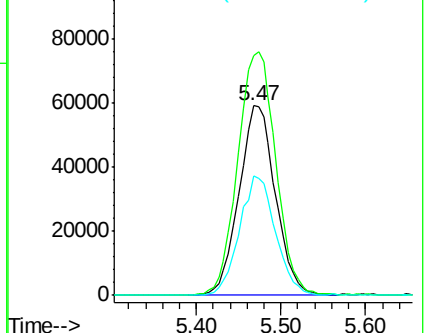
98 63.3 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.05 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion: 45 Resp: 536278

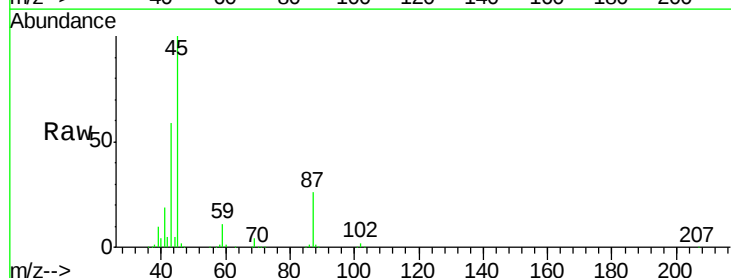
Ion Ratio Lower Upper

45 100

43 58.1 43.2 64.8

87 26.1 21.9 32.9

59 10.5 9.0 13.4

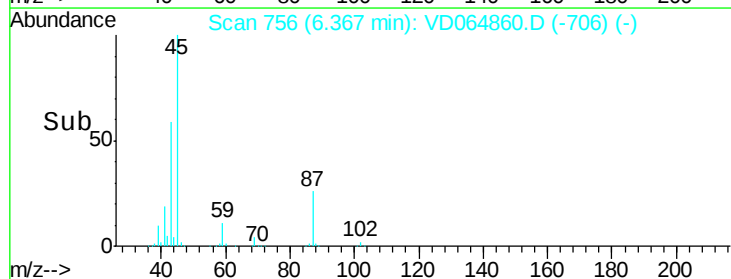
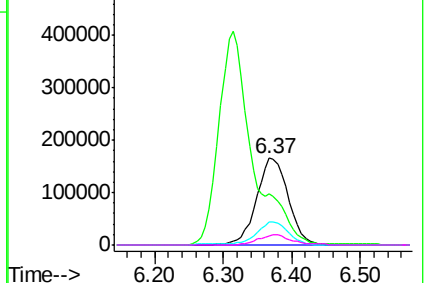


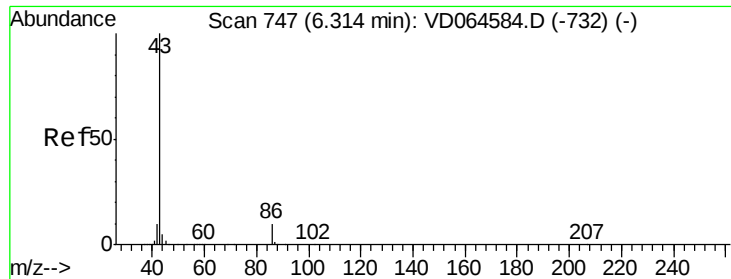
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 244.62 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

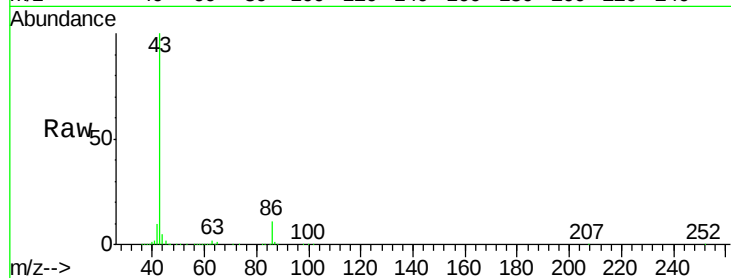
EP-3MSD

Tgt Ion: 43 Resp: 1402861

Ion Ratio Lower Upper

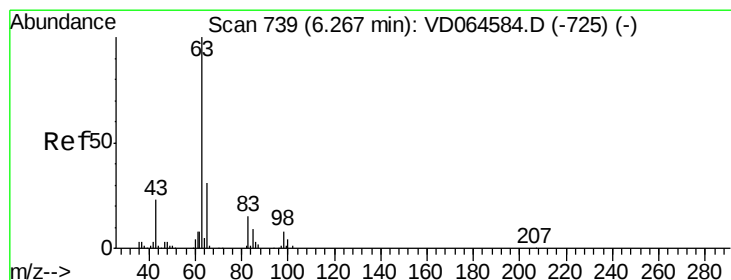
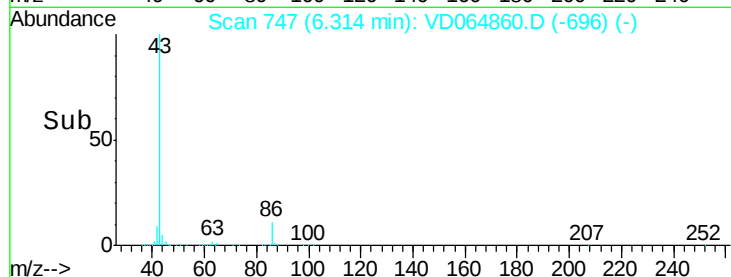
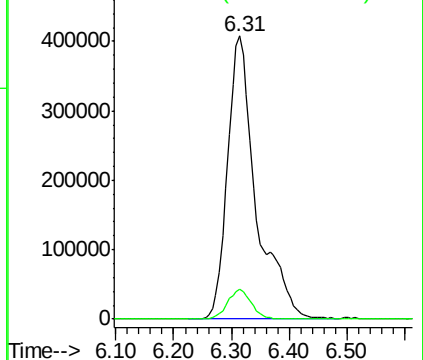
43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.99 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

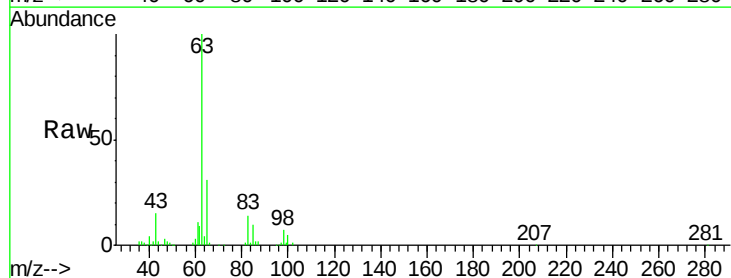
Tgt Ion: 63 Resp: 309451

Ion Ratio Lower Upper

63 100

98 6.5 4.1 12.3

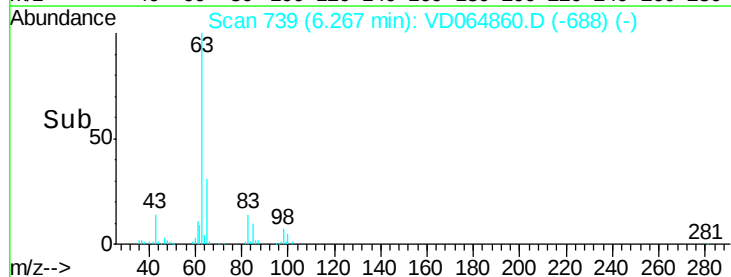
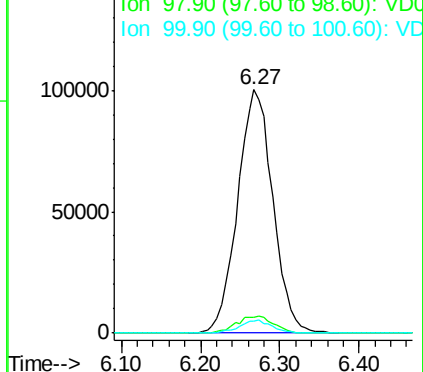
100 5.2 2.2 6.6

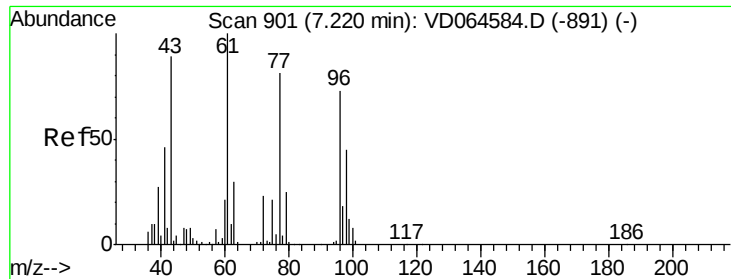


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 273.00 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

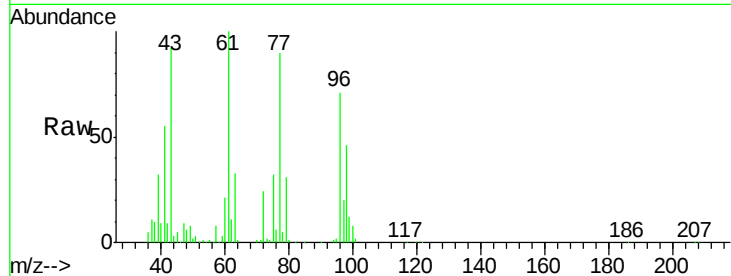
EP-3MSD

Tgt Ion: 43 Resp: 244501

Ion Ratio Lower Upper

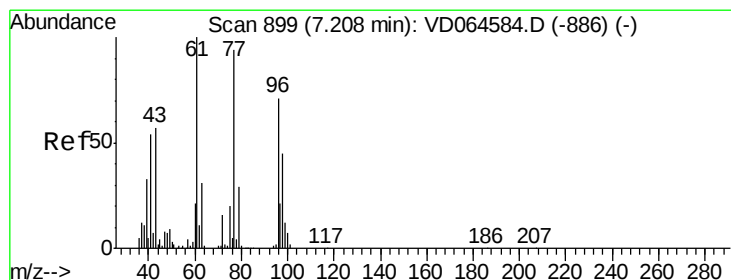
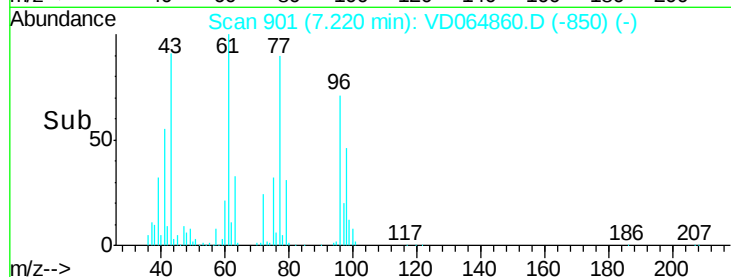
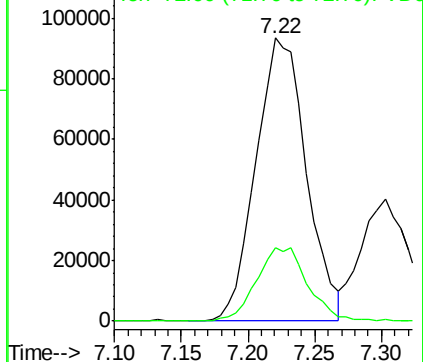
43 100

72 26.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.21 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064860.D

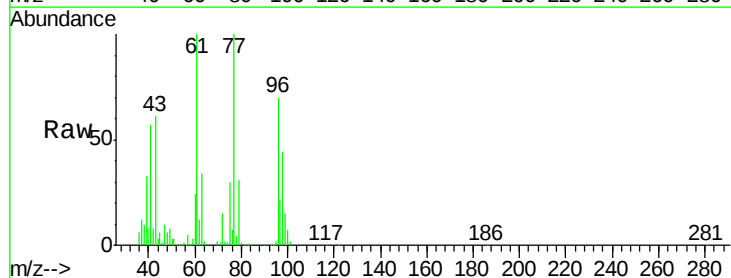
Acq: 17 Jan 2020 13:51

Tgt Ion: 77 Resp: 288974

Ion Ratio Lower Upper

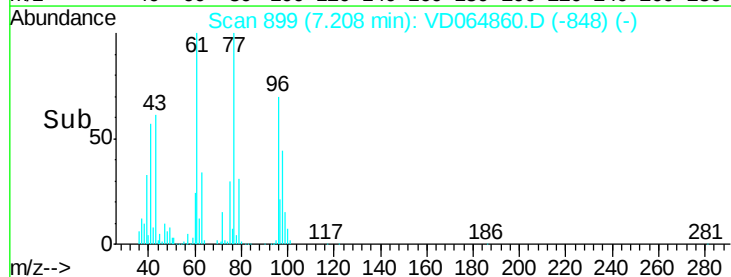
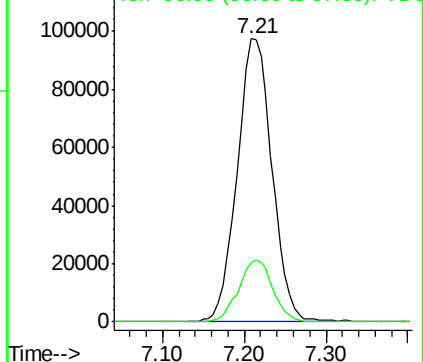
77 100

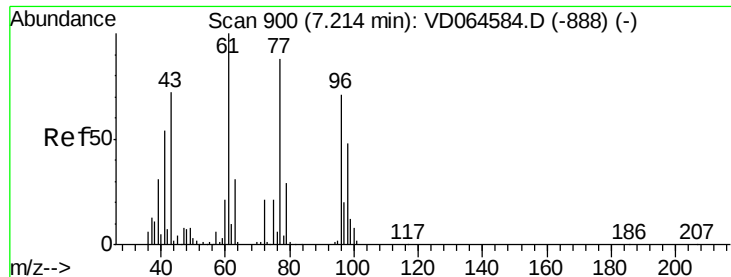
97 21.6 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 49.75 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

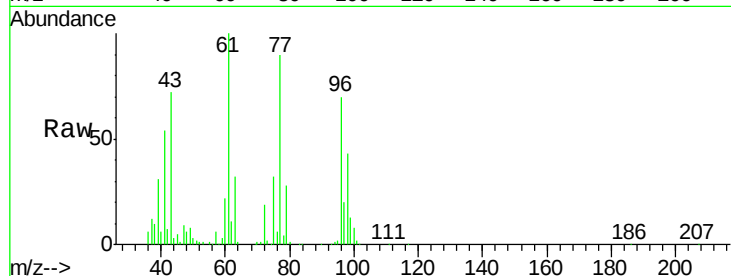
Tgt Ion: 96 Resp: 198773

Ion Ratio Lower Upper

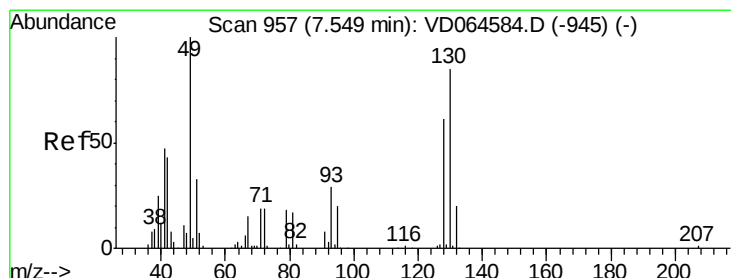
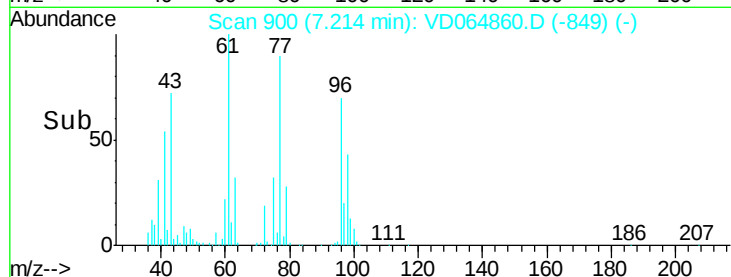
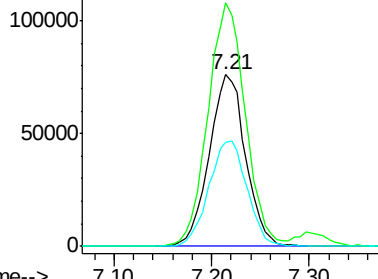
96 100

61 145.2 0.0 282.6

98 64.6 0.0 130.8



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



#28

Bromochloromethane

Concen: 52.29 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

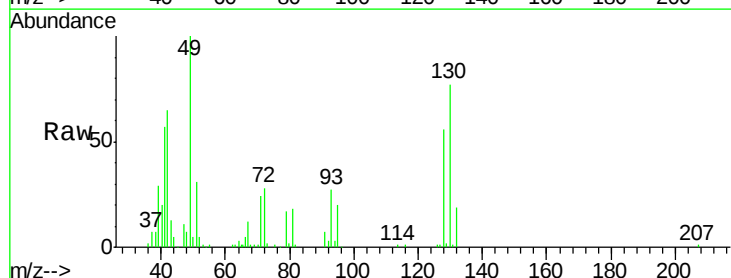
Tgt Ion: 49 Resp: 123359

Ion Ratio Lower Upper

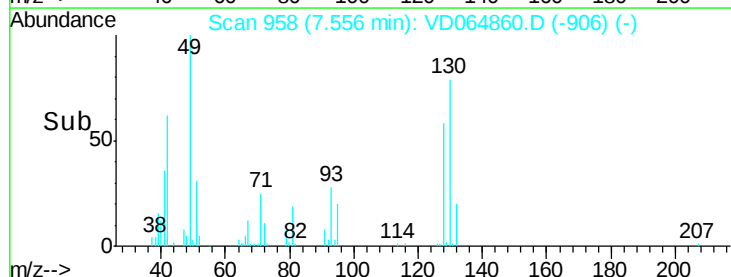
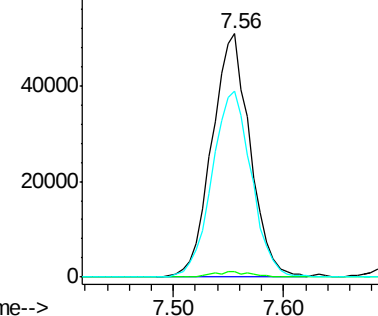
49 100

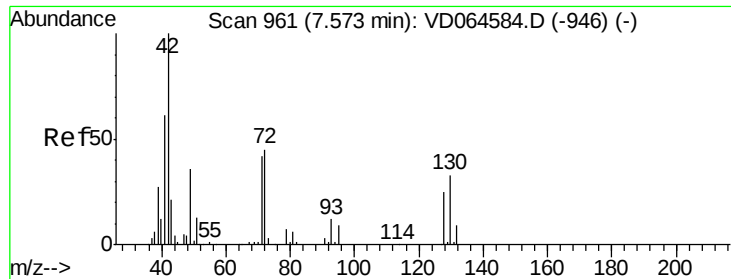
129 2.2 0.0 4.8

130 78.9 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

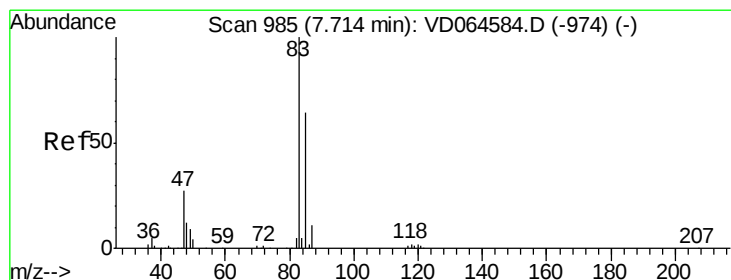
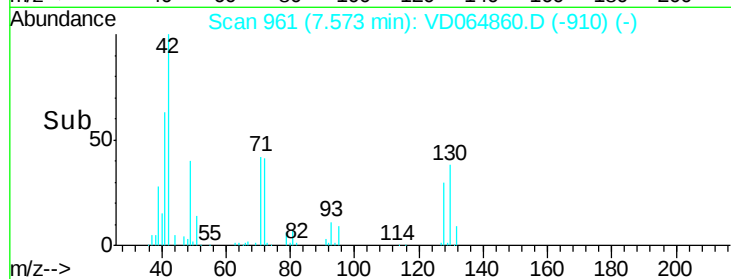
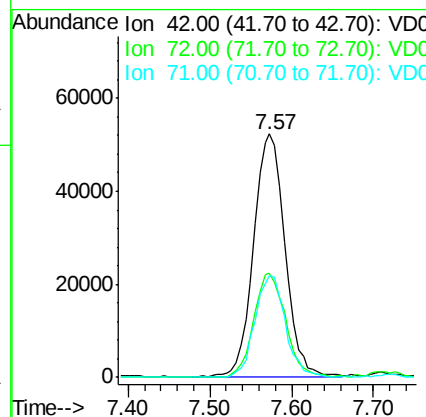
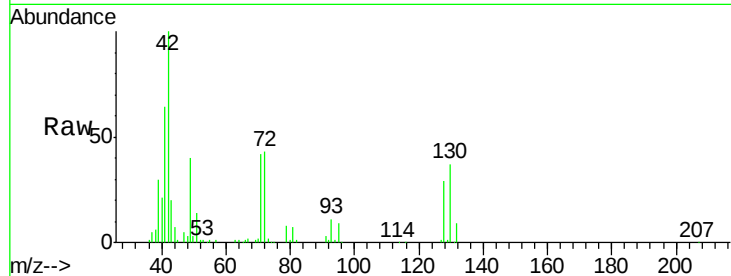




#29
Tetrahydrofuran
Concen: 252.14 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

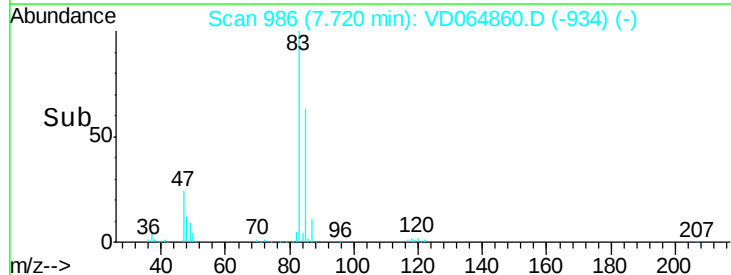
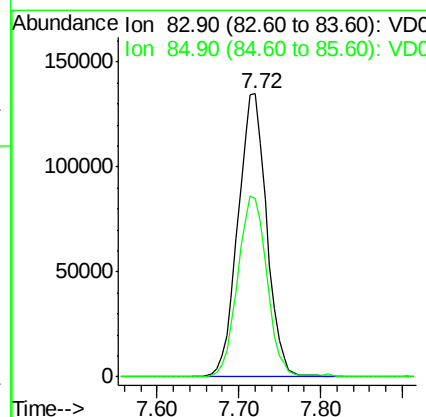
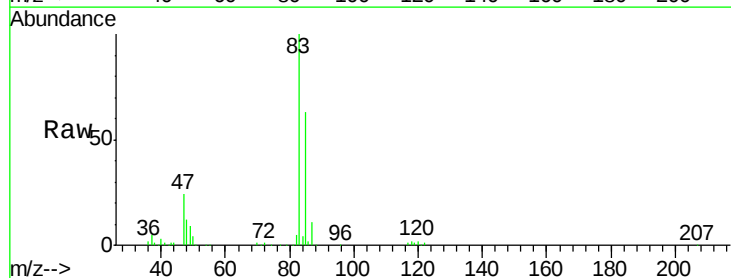
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

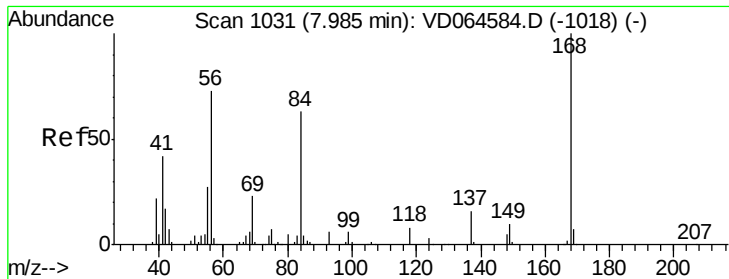
Tgt Ion: 42 Resp: 140434
Ion Ratio Lower Upper
42 100
72 43.1 35.0 52.4
71 40.2 32.9 49.3



#30
Chloroform
Concen: 51.80 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 83 Resp: 329818
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7

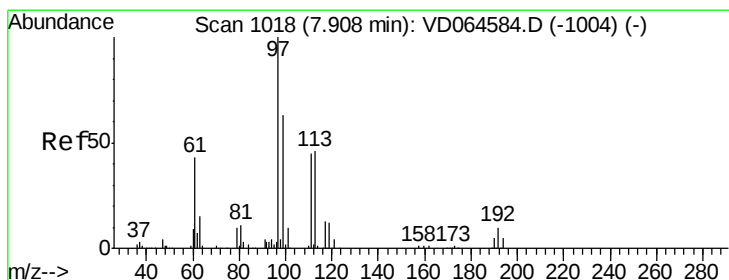
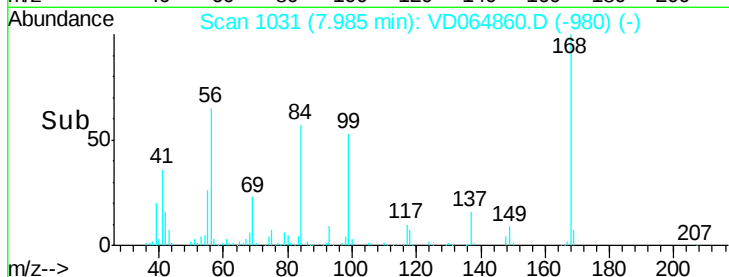
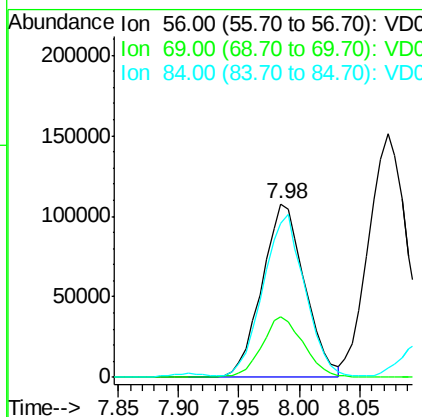
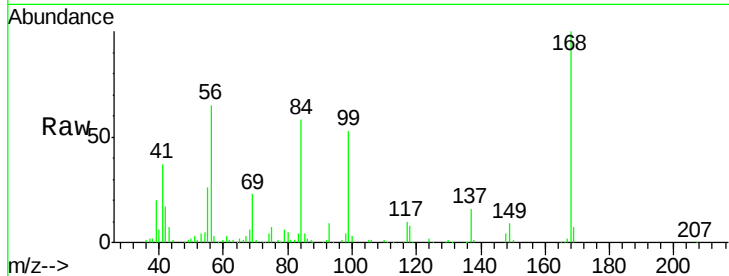




#31
Cyclohexane
Concen: 43.52 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

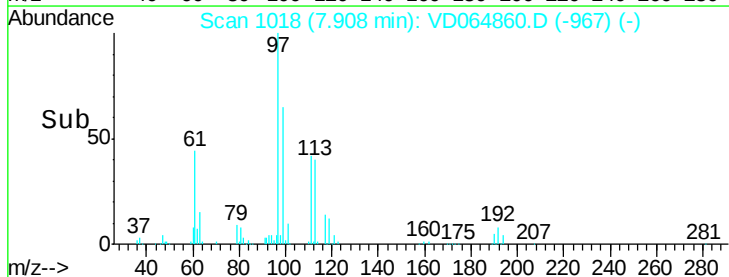
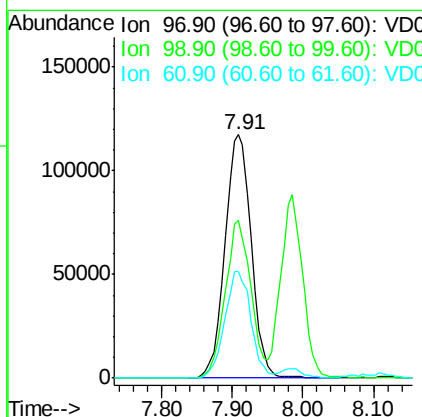
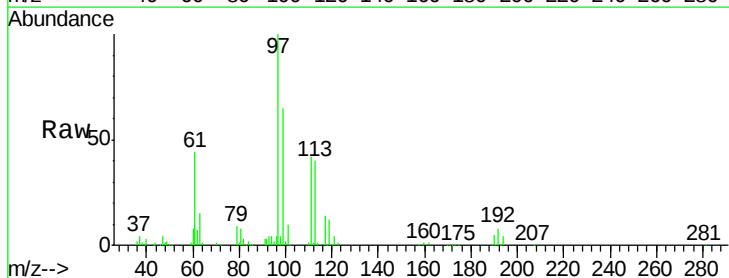
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

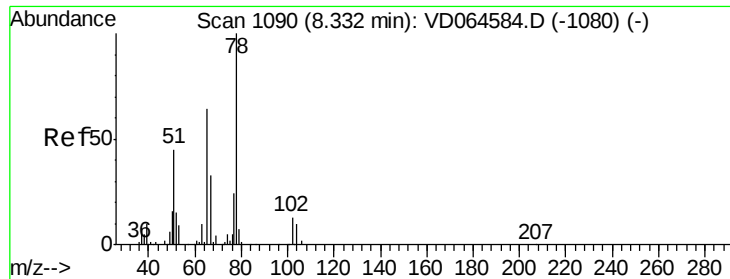
Tgt Ion: 56 Resp: 264388
Ion Ratio Lower Upper
56 100
69 34.8 24.7 37.1
84 86.9 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 50.70 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 97 Resp: 303242
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.6
61 43.7 35.4 53.0

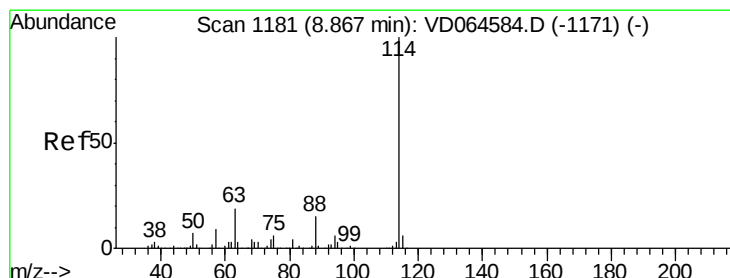
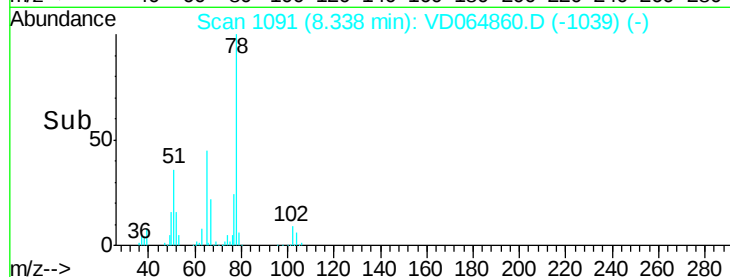
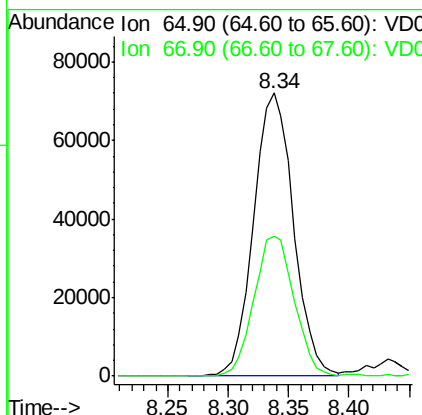
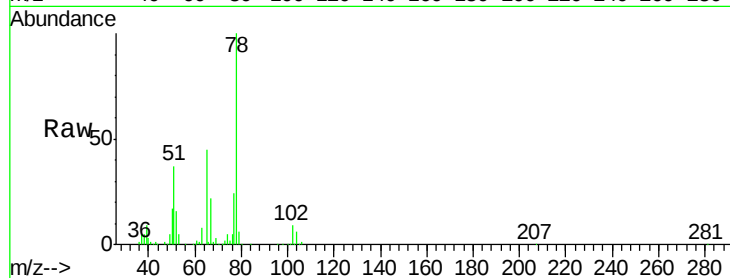




#33
 1,2-Dichloroethane-d4
 Concen: 50.87 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

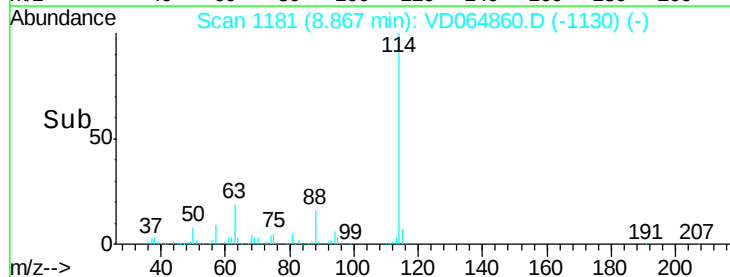
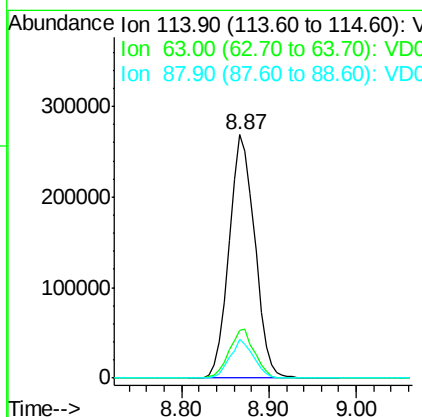
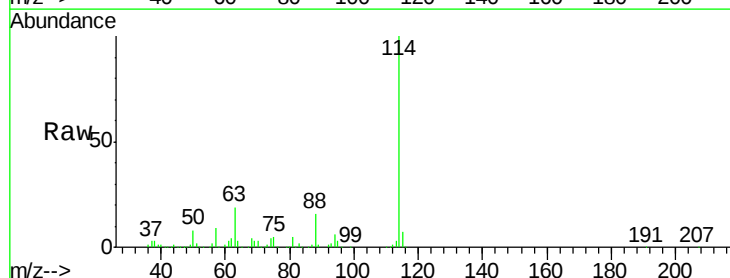
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tgt Ion: 65 Resp: 165743
 Ion Ratio Lower Upper
 65 100
 67 49.8 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: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 114 Resp: 535588
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 15.9 0.0 29.2

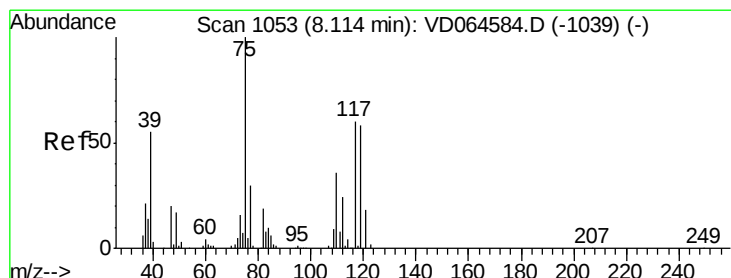
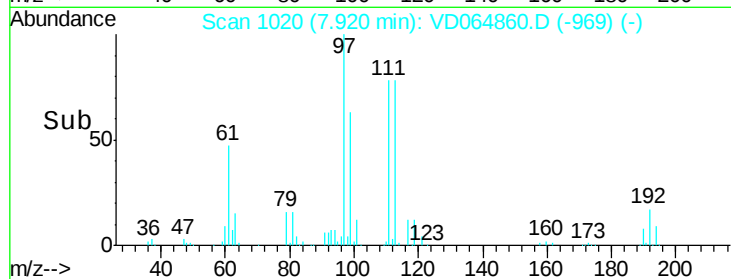
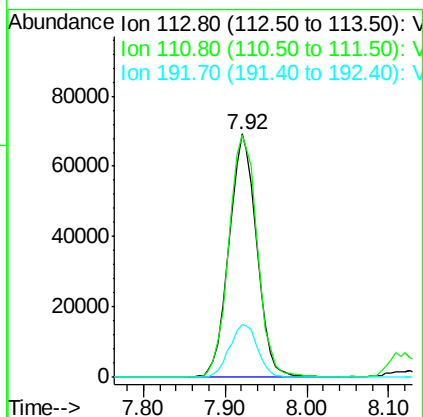
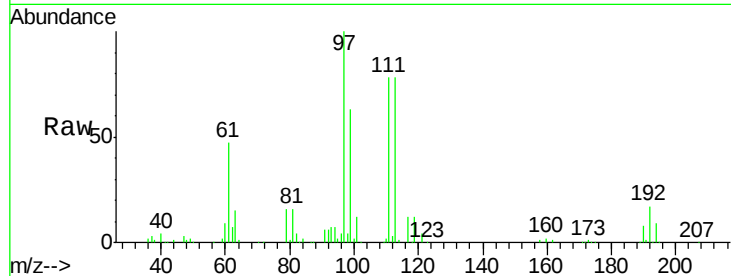




#35
 Dibromofluoromethane
 Concen: 49.72 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

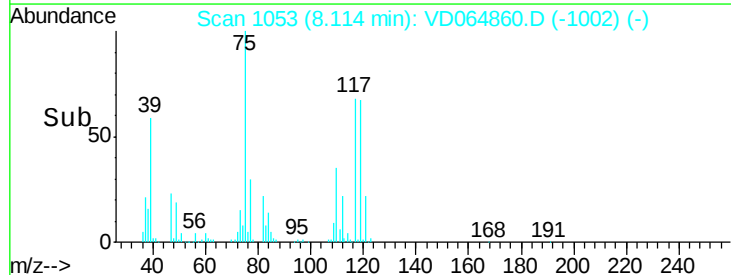
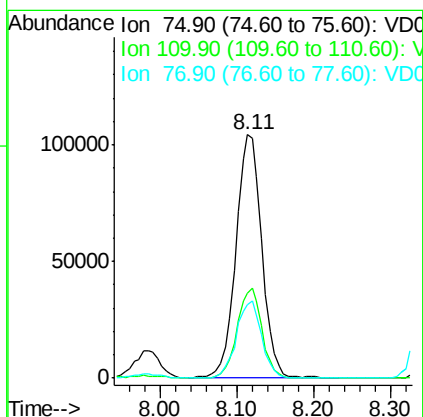
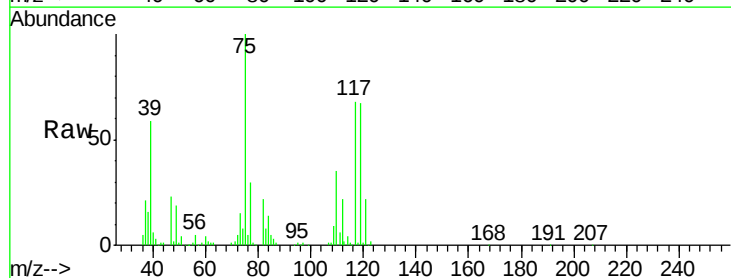
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tgt Ion: 113 Resp: 163371
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.6 121.0
 192 22.0 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 47.68 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 75 Resp: 245810
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.1 54.1
 77 31.0 24.2 36.4

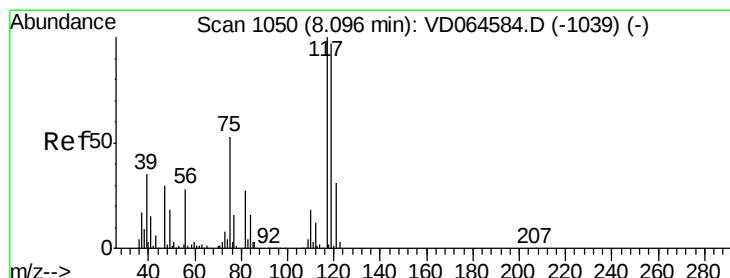
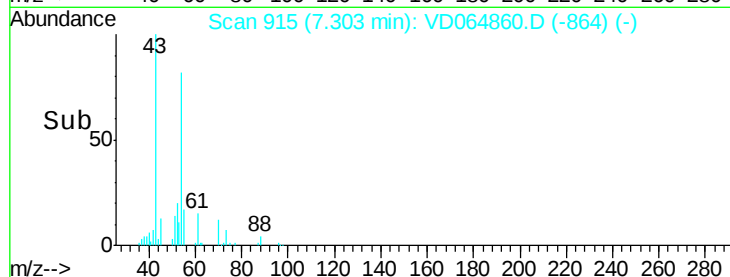
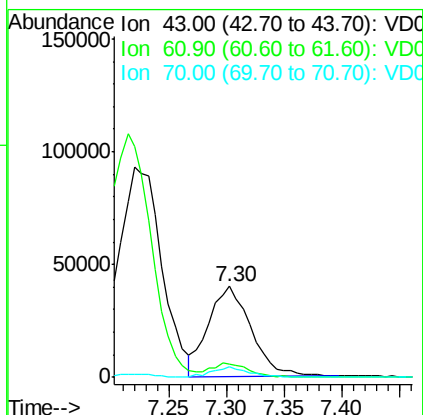
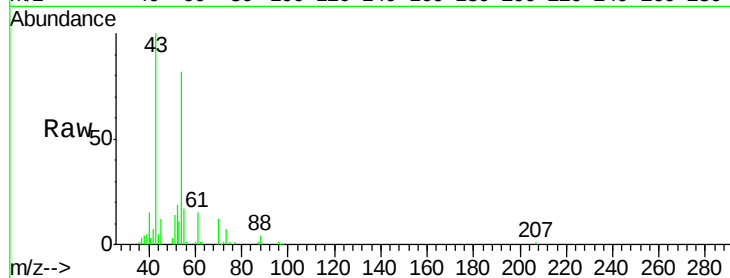




#37
Ethyl Acetate
Concen: 50.81 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

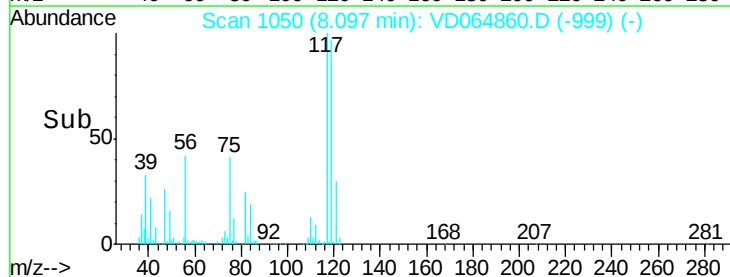
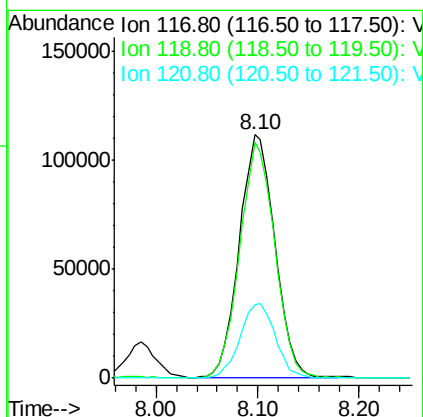
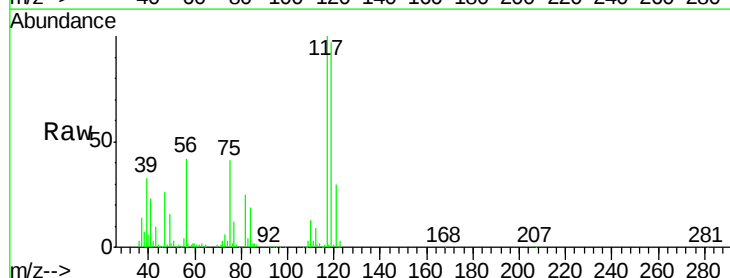
Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tgt Ion: 43 Resp: 102900
Ion Ratio Lower Upper
43 100
61 13.3 10.3 15.5
70 10.1 7.6 11.4



#38
Carbon Tetrachloride
Concen: 49.24 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 117 Resp: 270683
Ion Ratio Lower Upper
117 100
119 96.9 77.3 115.9
121 30.1 25.0 37.6

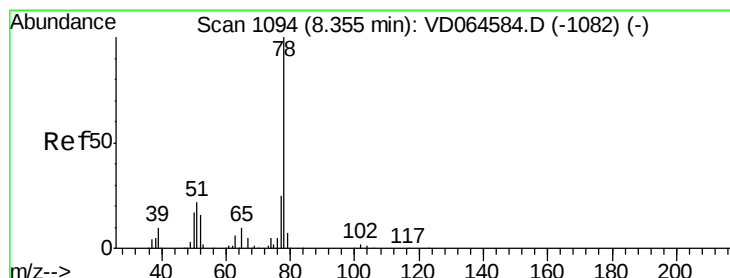
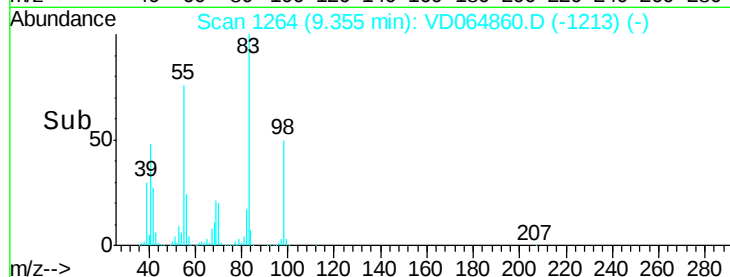
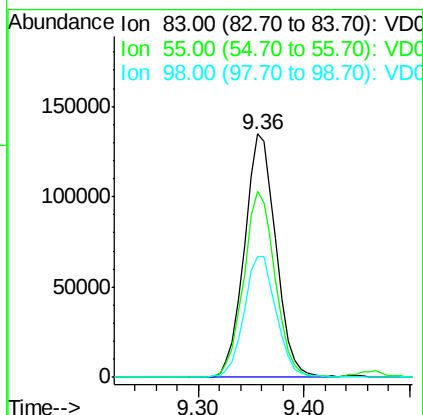
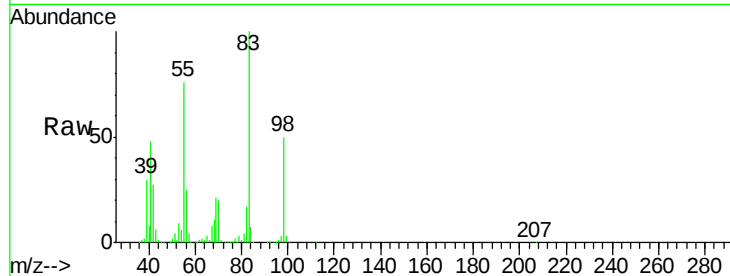




#39
Methylcyclohexane
Concen: 44.75 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

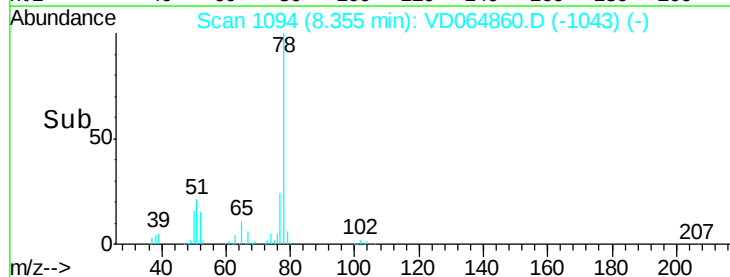
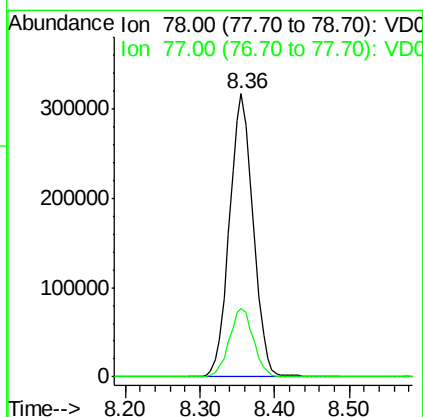
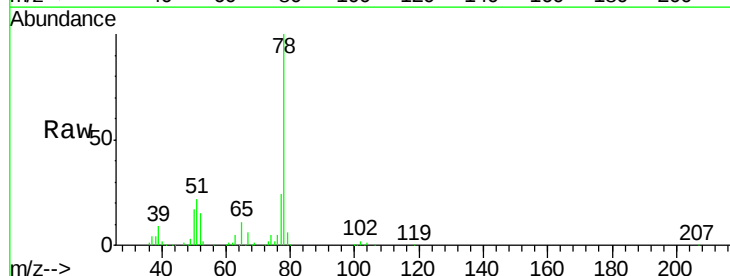
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

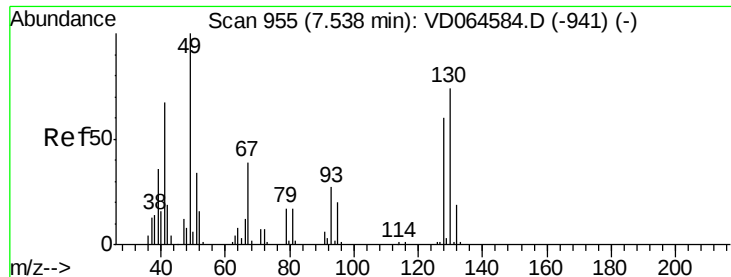
Tgt Ion: 83 Resp: 279395
Ion Ratio Lower Upper
83 100
55 76.2 57.8 86.6
98 49.8 38.7 58.1



#40
Benzene
Concen: 49.82 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 78 Resp: 701076
Ion Ratio Lower Upper
78 100
77 24.1 19.9 29.9

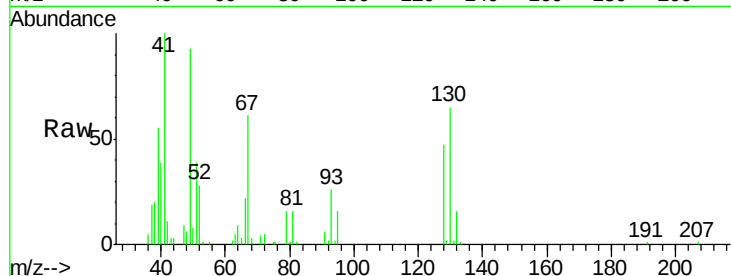




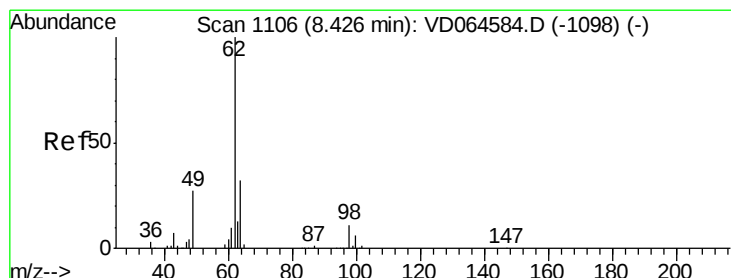
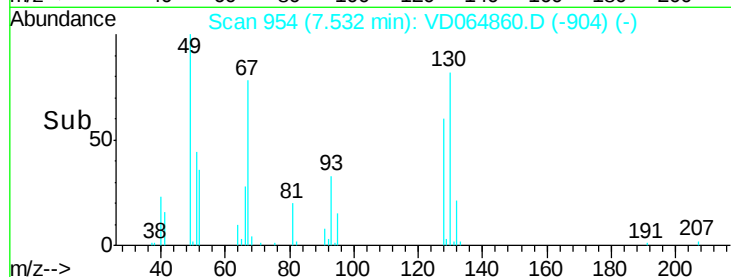
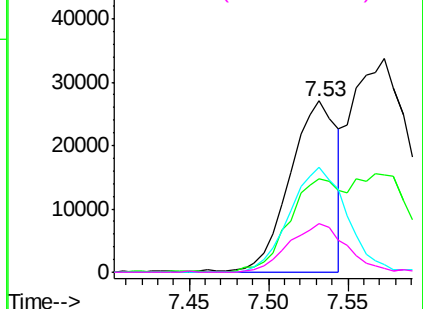
#41
Methacrylonitrile
Concen: 47.92 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tgt Ion: 41 Resp: 56304
Ion Ratio Lower Upper
41 100
39 64.1 46.7 70.1
67 74.0 52.5 78.7
52 35.4 24.1 36.1

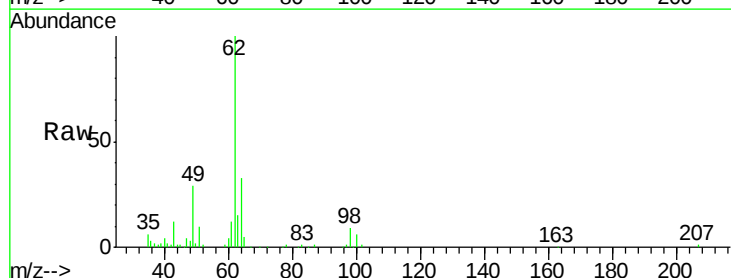


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

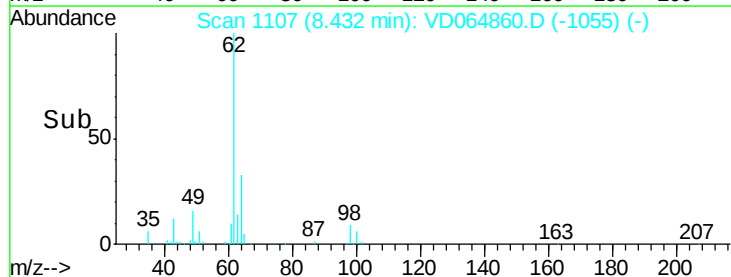
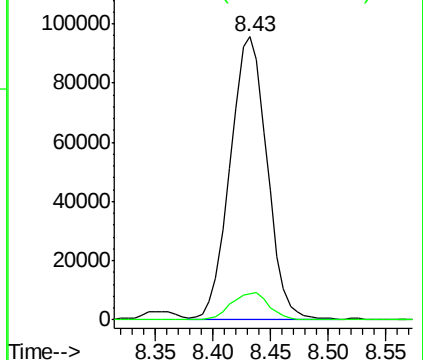


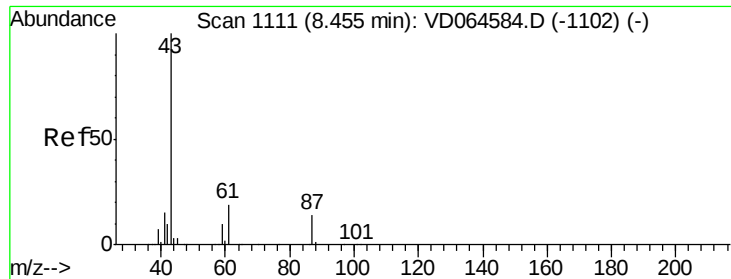
#42
1,2-Dichloroethane
Concen: 51.78 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 62 Resp: 210578
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: 49.58 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

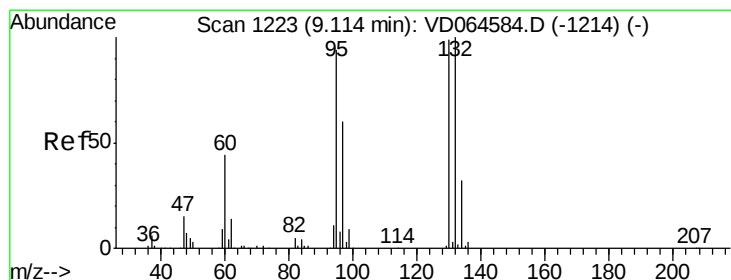
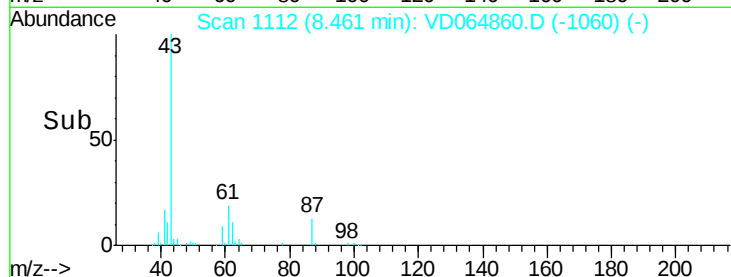
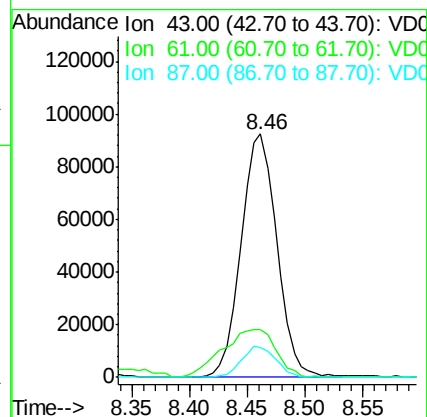
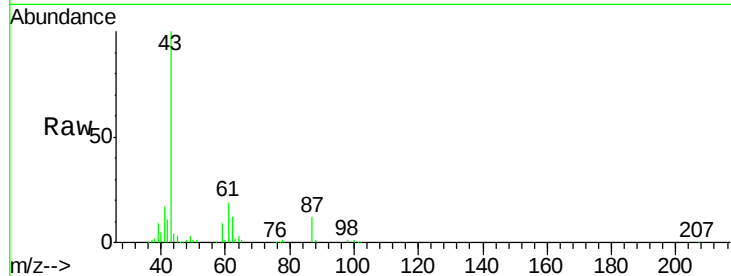
Tgt Ion: 43 Resp: 199857

Ion Ratio Lower Upper

43 100

61 29.6 23.7 35.5

87 12.4 10.5 15.7



#44

Trichloroethene

Concen: 48.64 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064860.D

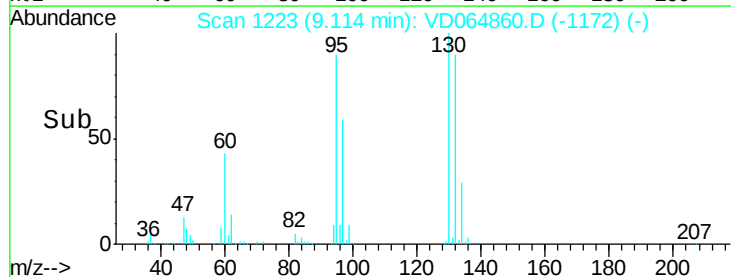
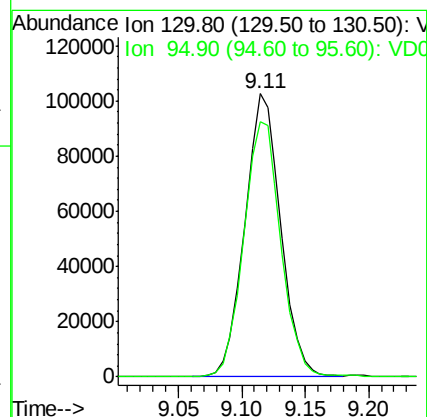
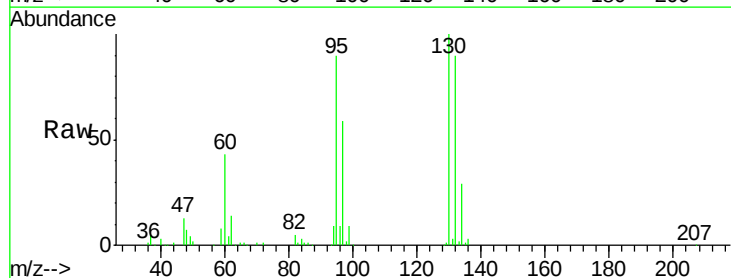
Acq: 17 Jan 2020 13:51

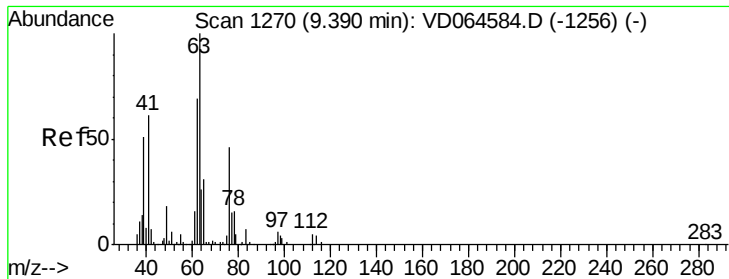
Tgt Ion: 130 Resp: 201066

Ion Ratio Lower Upper

130 100

95 90.3 0.0 190.2





#45

1,2-Dichloropropane

Concen: 52.43 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

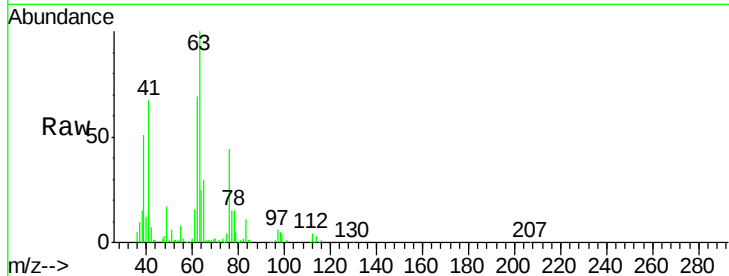
EP-3MSD

Tgt Ion: 63 Resp: 176174

Ion Ratio Lower Upper

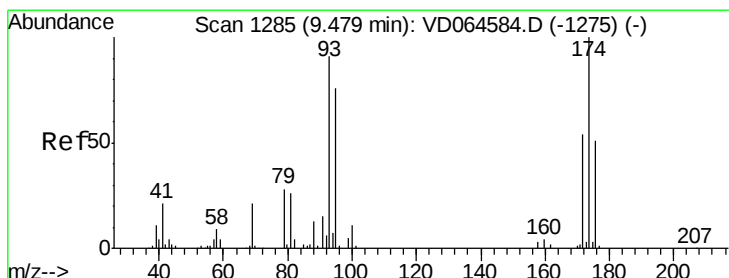
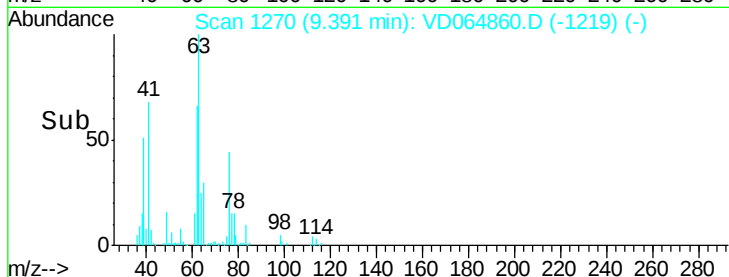
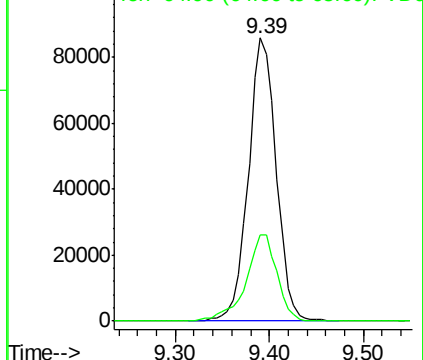
63 100

65 30.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.56 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

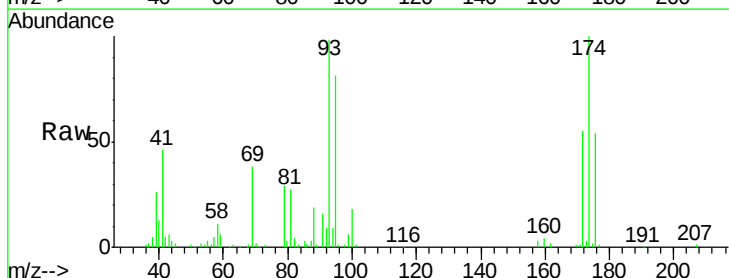
Tgt Ion: 93 Resp: 92848

Ion Ratio Lower Upper

93 100

95 83.4 64.6 97.0

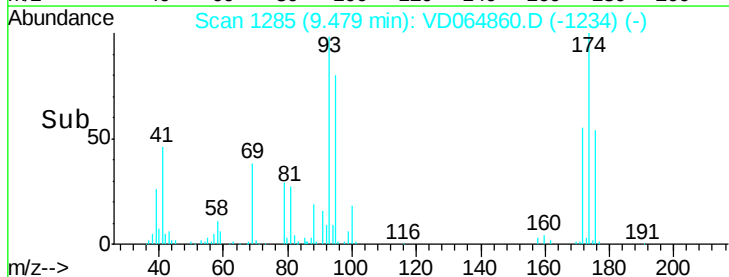
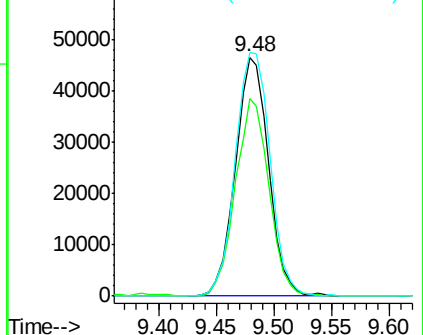
174 106.8 88.1 132.1

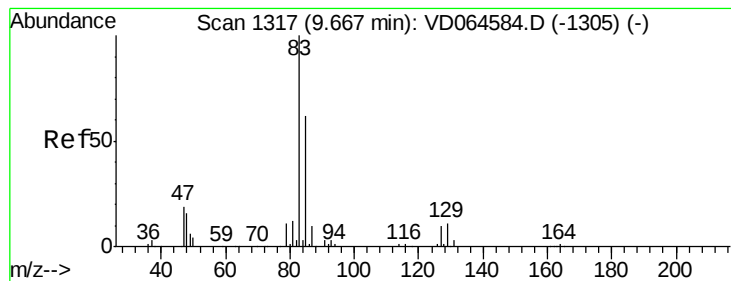


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.01 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

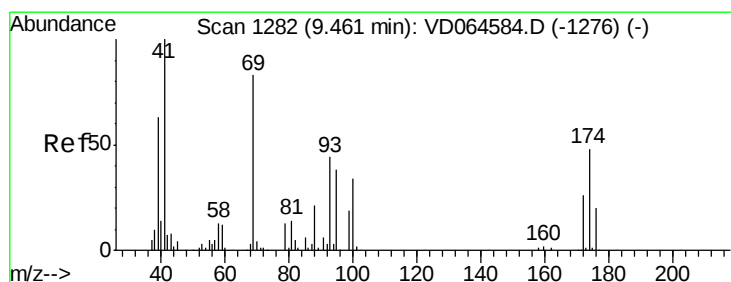
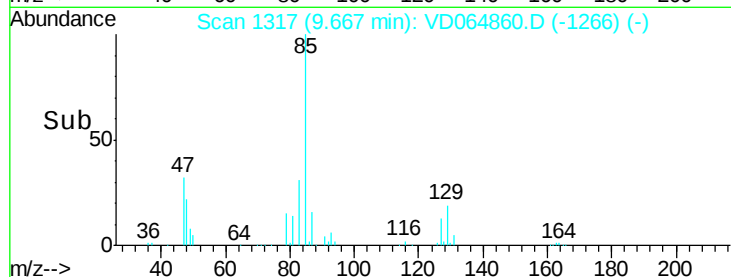
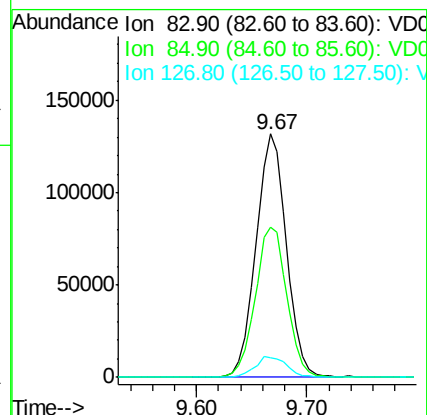
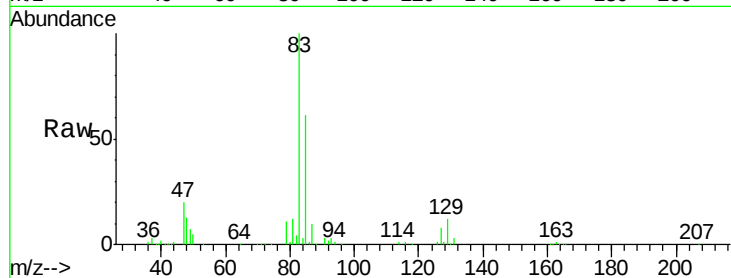
Tgt Ion: 83 Resp: 254291

Ion Ratio Lower Upper

83 100

85 61.5 49.5 74.3

127 8.2 7.8 11.6



#48

Methyl methacrylate

Concen: 50.41 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

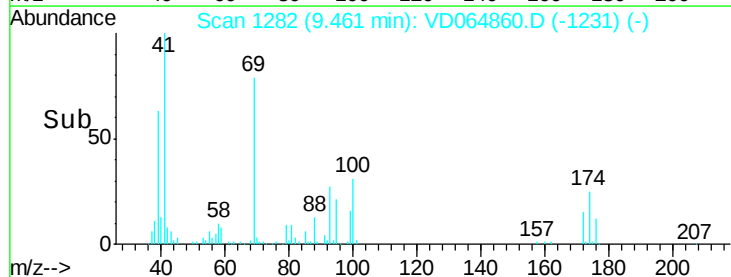
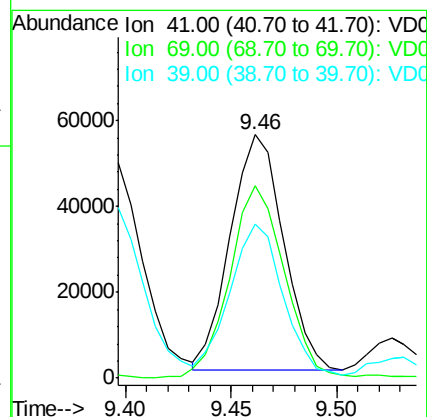
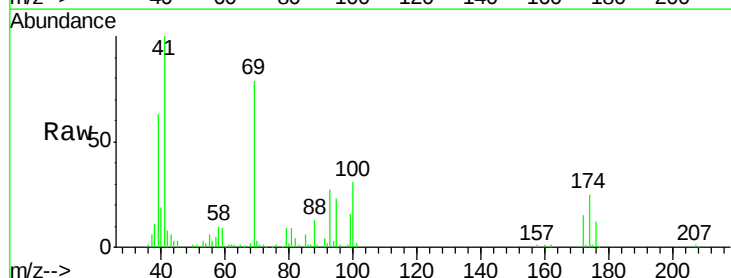
Tgt Ion: 41 Resp: 95677

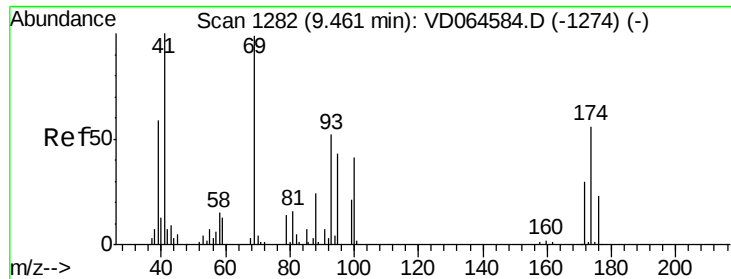
Ion Ratio Lower Upper

41 100

69 84.4 63.0 94.6

39 63.5 47.4 71.2

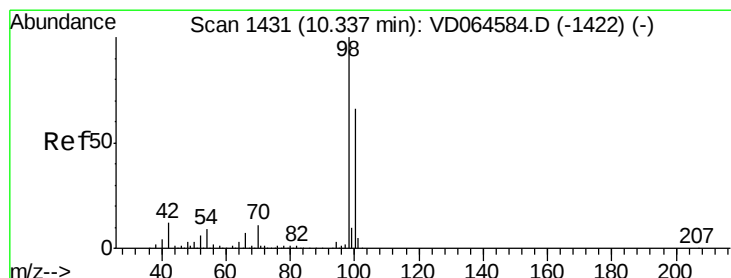
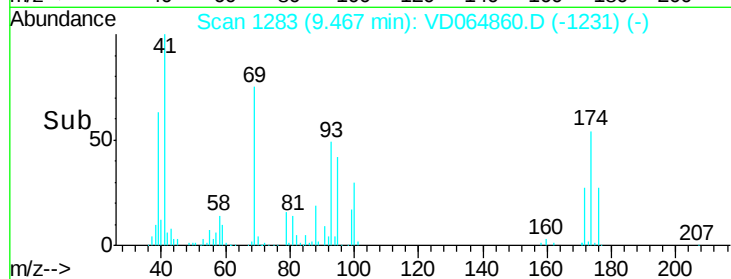
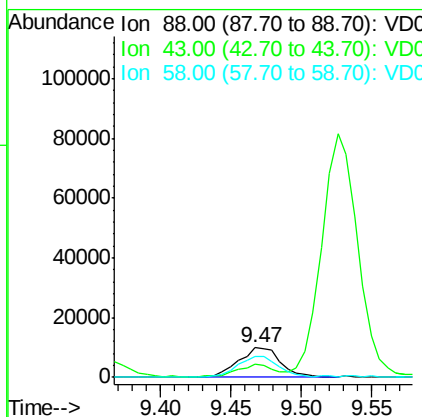
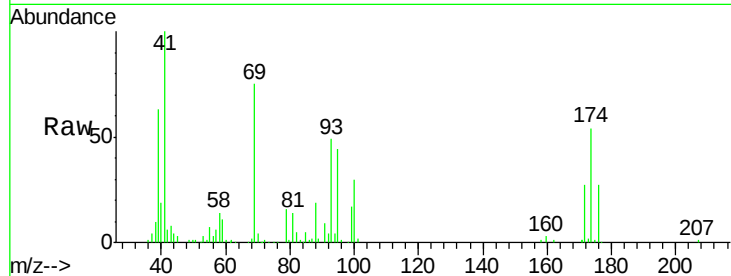




#49
 1,4-Dioxane
 Concen: 976.08 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

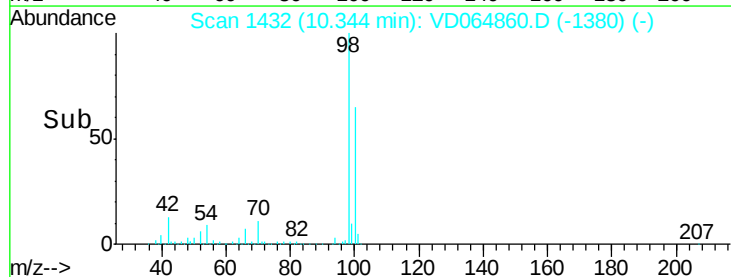
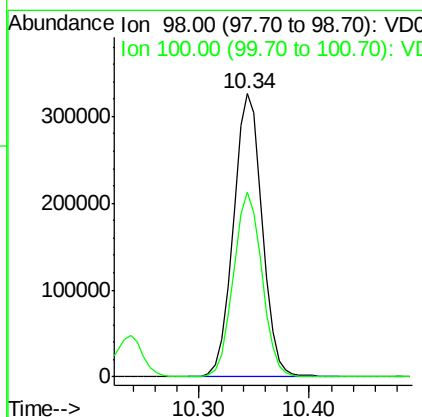
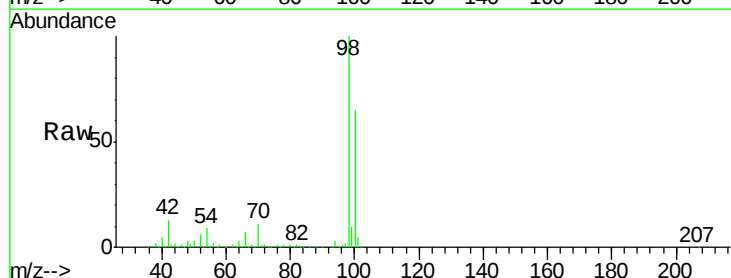
Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

Tgt Ion: 88 Resp: 21084
 Ion Ratio Lower Upper
 88 100
 43 38.0 27.7 41.5
 58 67.4 53.8 80.6



#50
 Toluene-d8
 Concen: 47.31 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 98 Resp: 595446
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.7 77.5

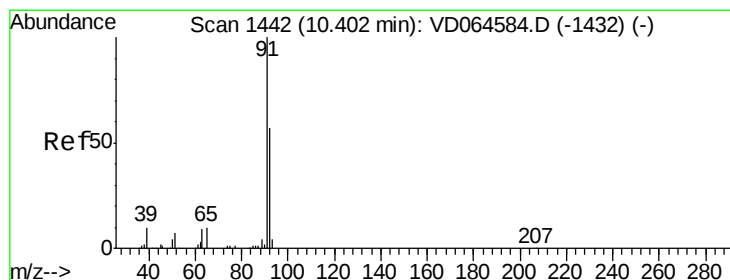
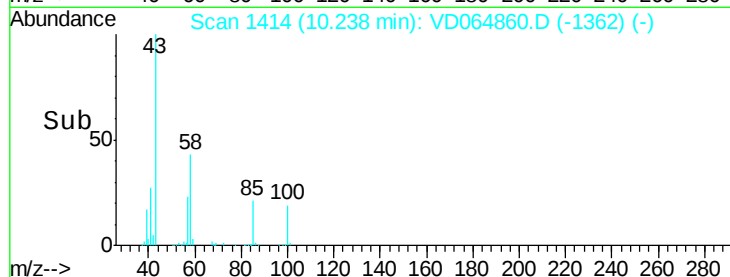
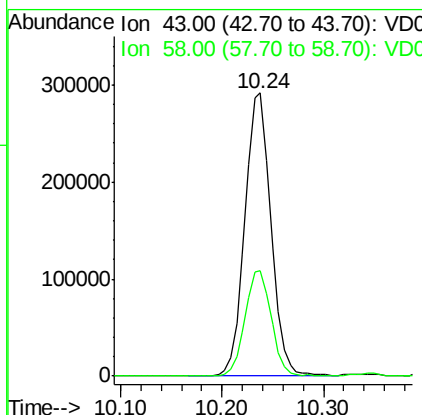
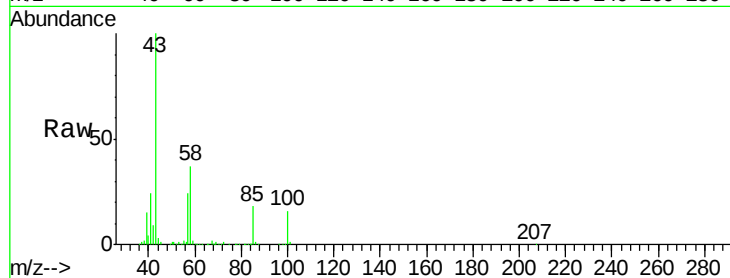




#51
 4-Methyl-2-Pentanone
 Concen: 262.27 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

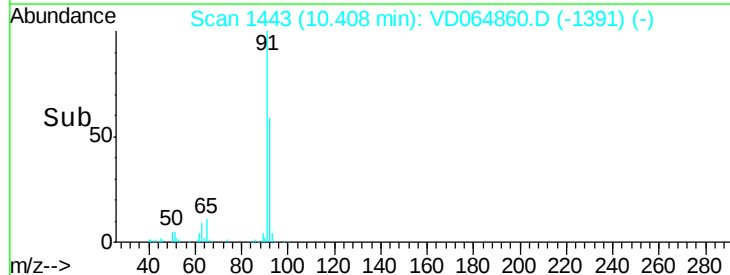
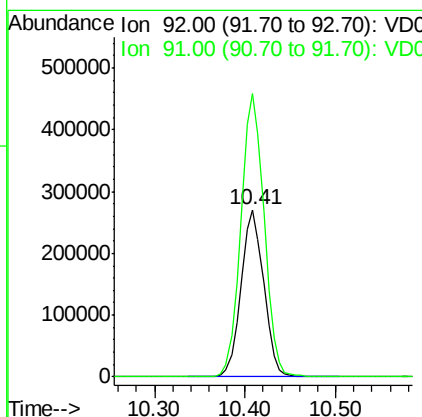
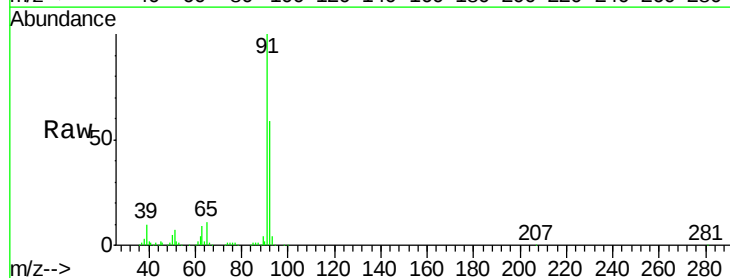
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

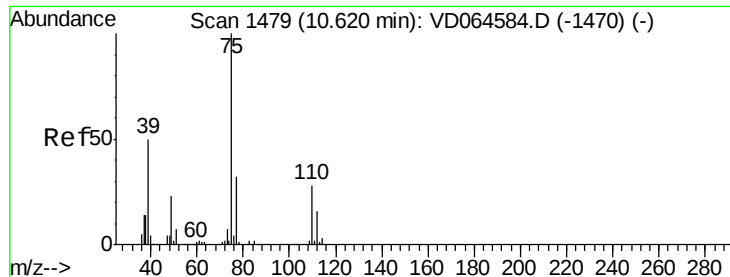
Tgt Ion: 43 Resp: 522548
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.2



#52
 Toluene
 Concen: 50.90 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 92 Resp: 469937
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 51.51 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

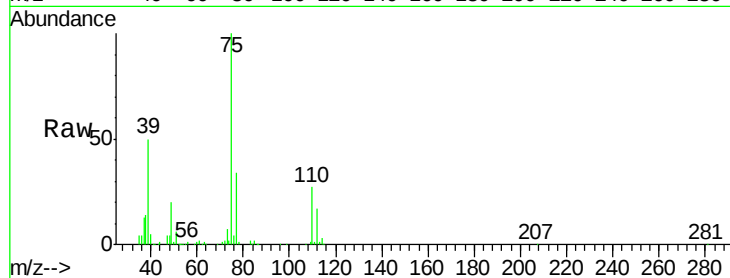
EP-3MSD

Tgt Ion: 75 Resp: 239414

Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

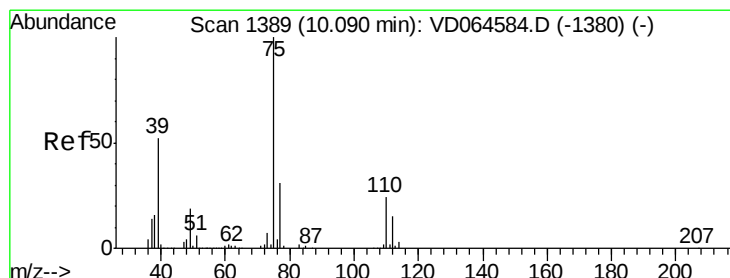
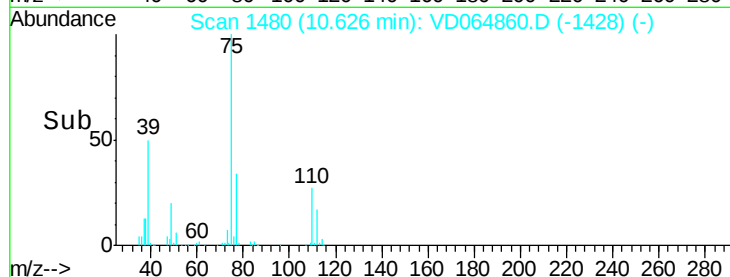
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.48 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

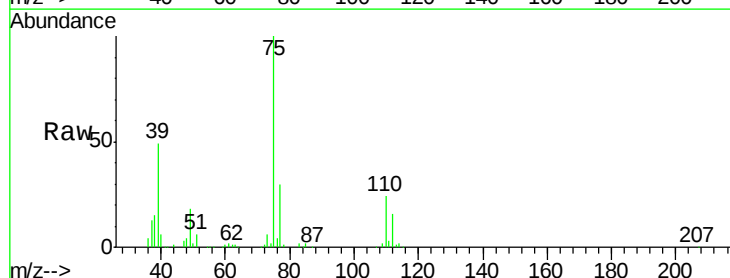
Tgt Ion: 75 Resp: 282112

Ion Ratio Lower Upper

75 100

77 30.5 24.6 36.8

39 49.3 41.4 62.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

200000

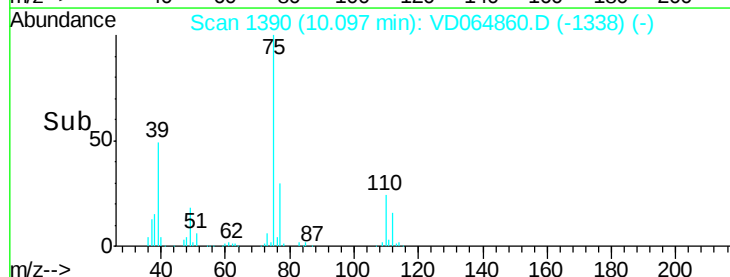
150000

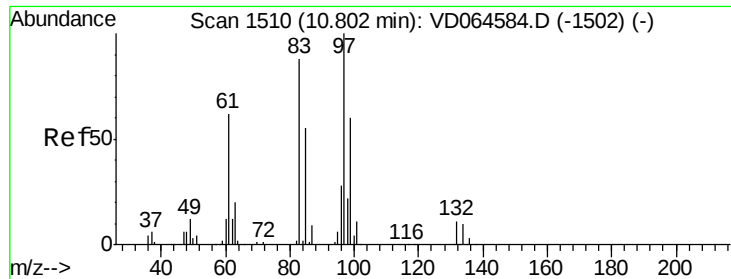
100000

50000

0

Time-->

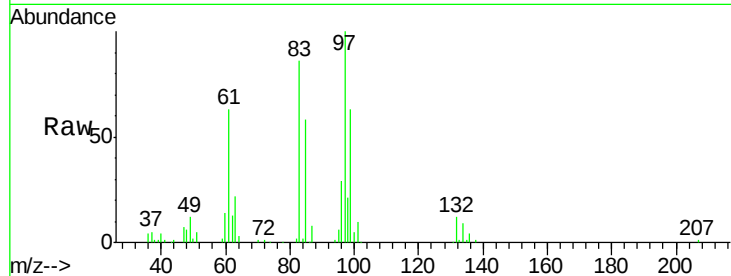




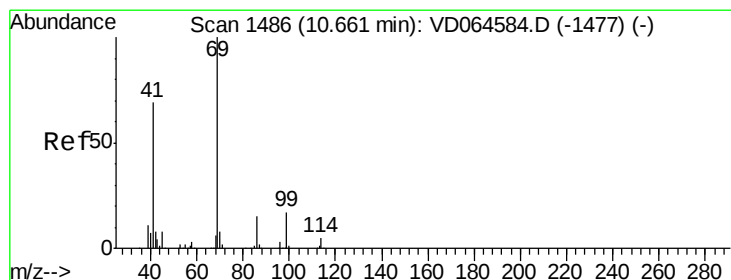
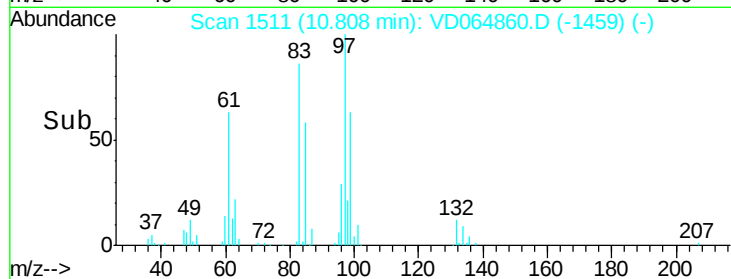
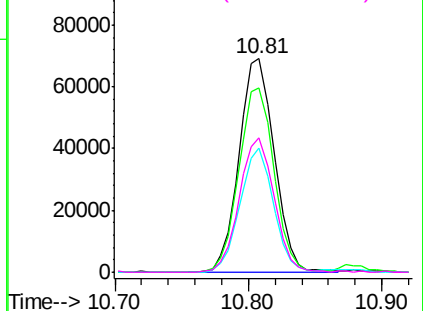
#55
 1,1,2-Trichloroethane
 Concen: 50.13 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tgt Ion: 97 Resp: 126566
 Ion Ratio Lower Upper
 97 100
 83 86.1 70.2 105.4
 85 58.4 44.0 66.0
 99 63.1 47.8 71.6

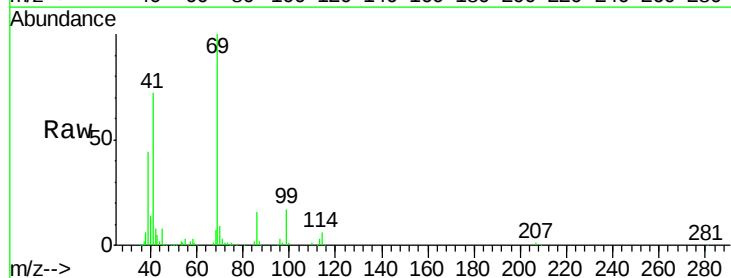


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

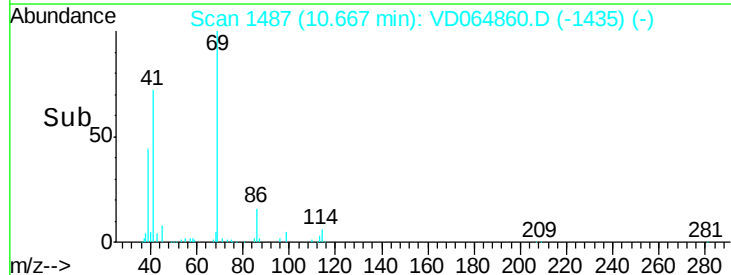
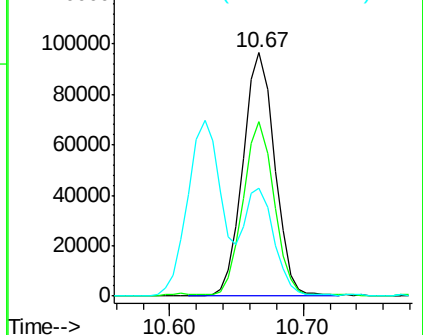


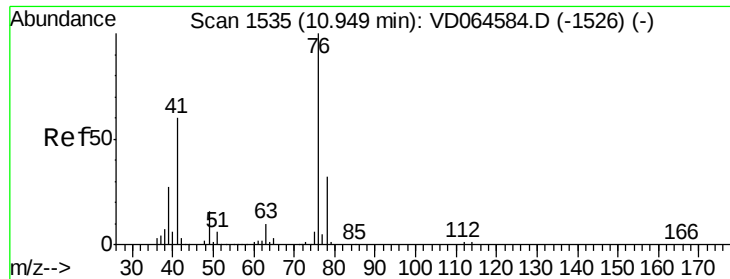
#56
 Ethyl methacrylate
 Concen: 50.54 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 69 Resp: 159359
 Ion Ratio Lower Upper
 69 100
 41 68.7 55.3 82.9
 39 40.4 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: 51.07 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

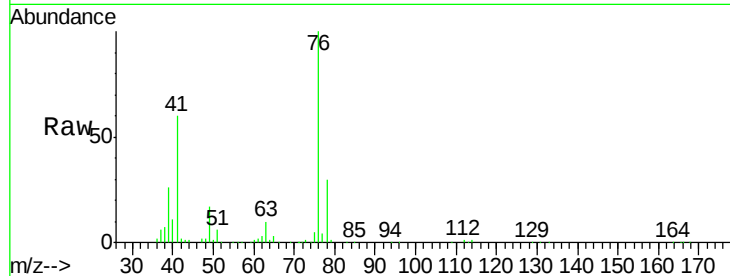
EP-3MSD

Tgt Ion: 76 Resp: 221977

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

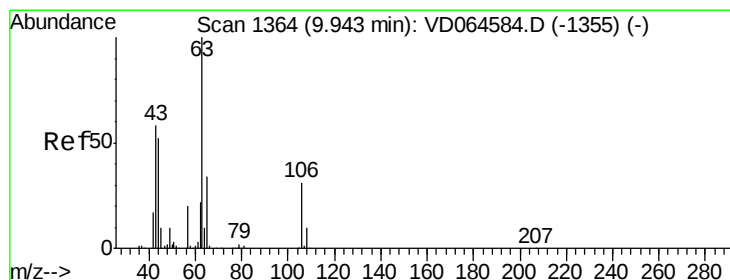
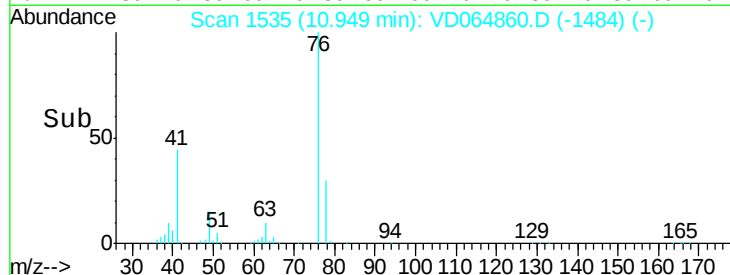
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.93 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064860.D

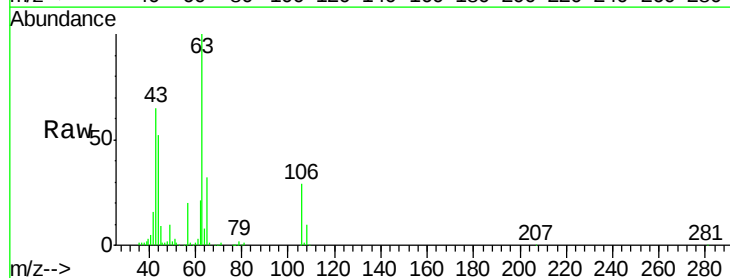
Acq: 17 Jan 2020 13:51

Tgt Ion: 63 Resp: 296620

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200000

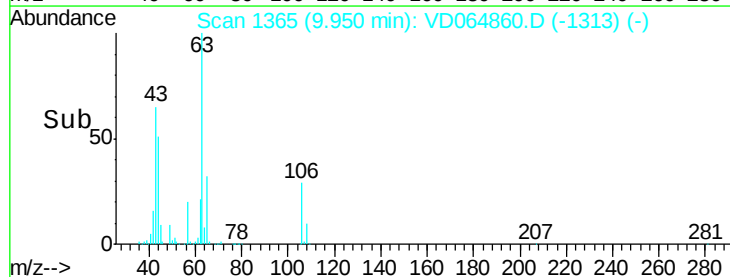
150000

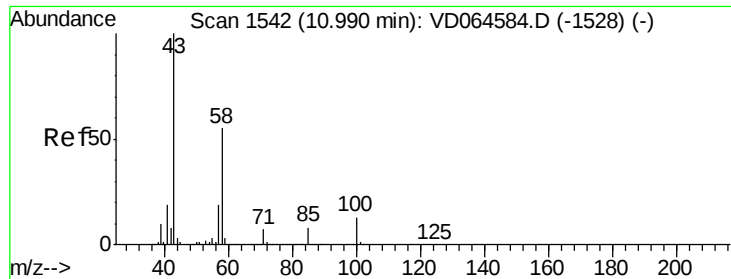
100000

50000

0

Time-->

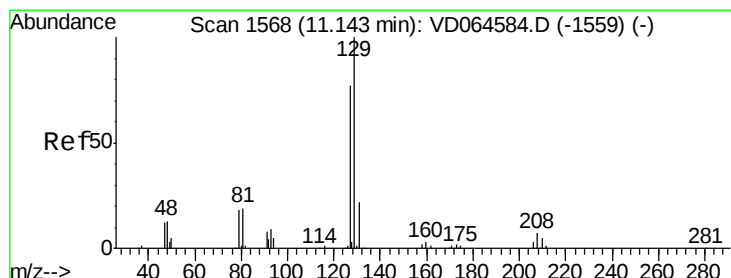
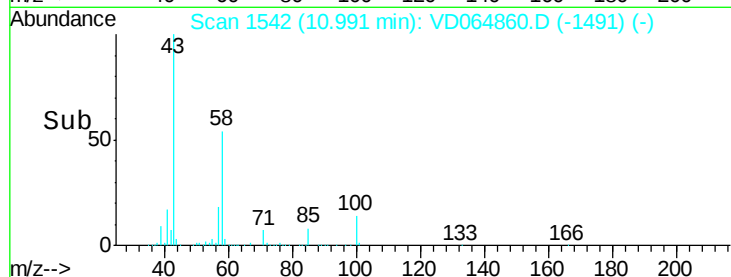
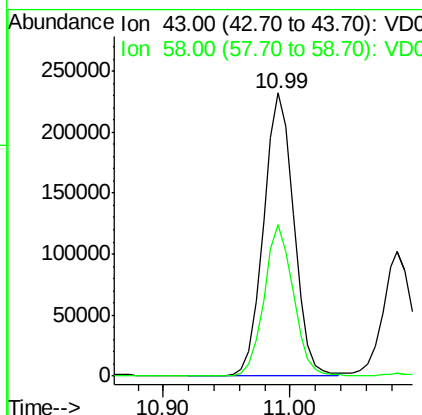
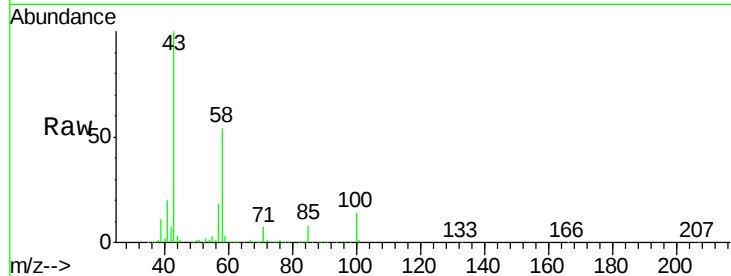




#59
2-Hexanone
Concen: 284.42 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

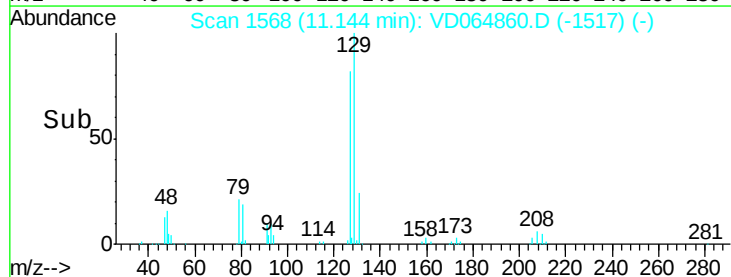
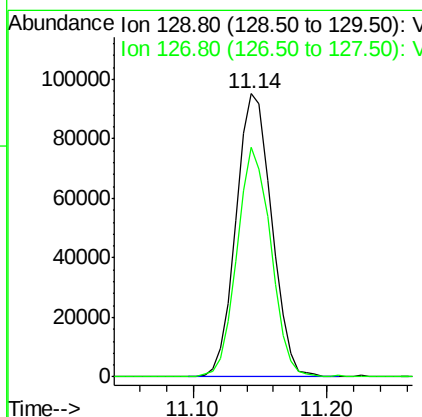
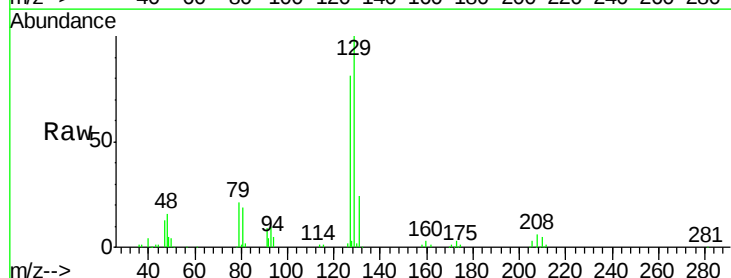
Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

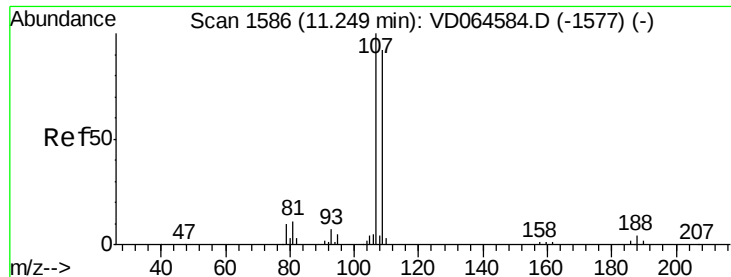
Tgt Ion: 43 Resp: 384618
Ion Ratio Lower Upper
43 100
58 51.8 26.4 79.0



#60
Dibromochloromethane
Concen: 50.49 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 129 Resp: 176279
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

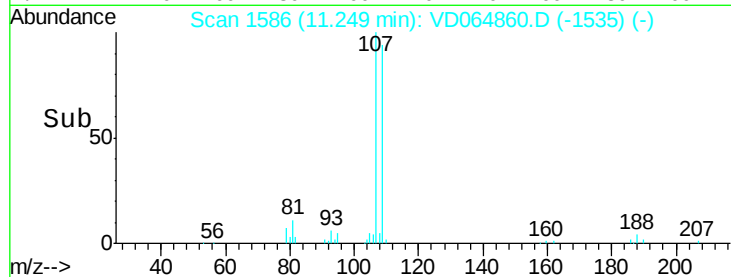
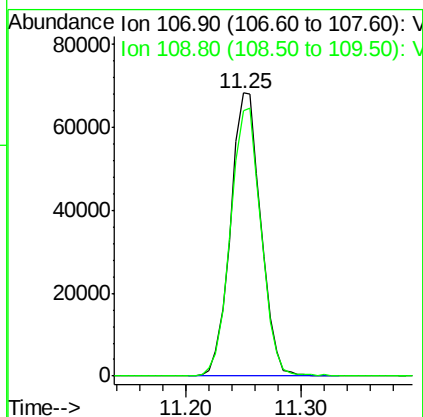
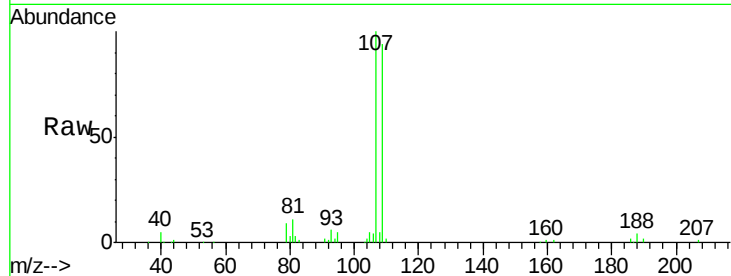




#61
 1,2-Dibromoethane
 Concen: 49.81 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

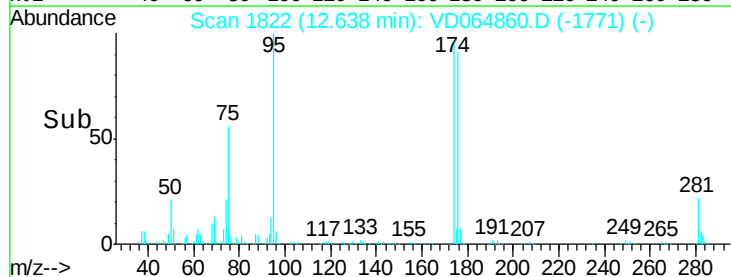
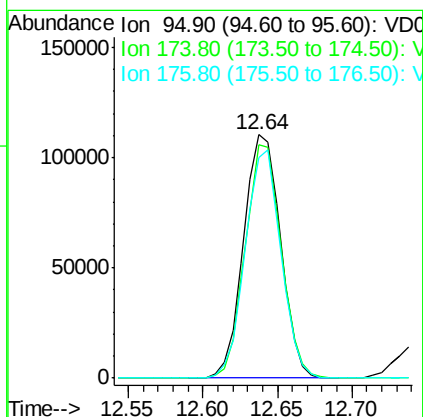
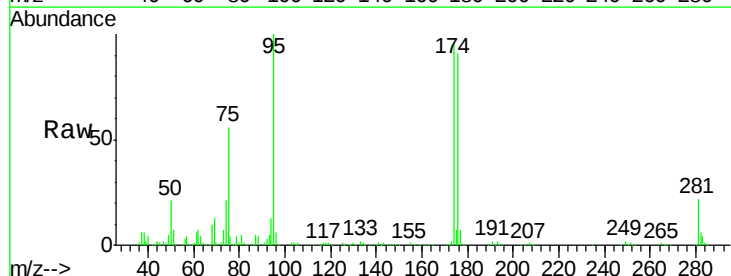
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

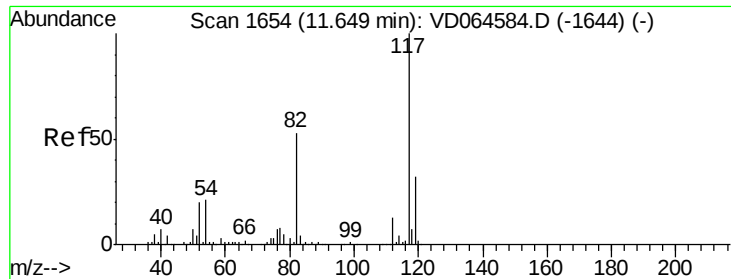
Tgt Ion: 107 Resp: 124031
 Ion Ratio Lower Upper
 107 100
 109 95.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.37 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 95 Resp: 188500
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 193.2
 176 90.6 0.0 184.2

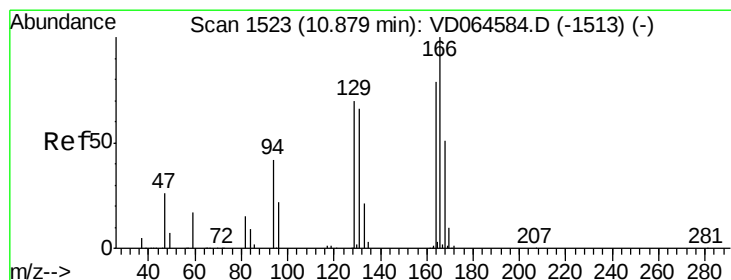
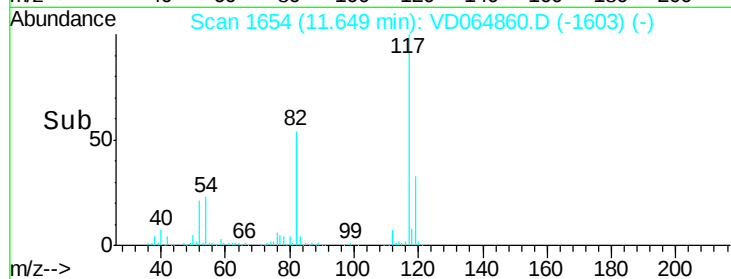
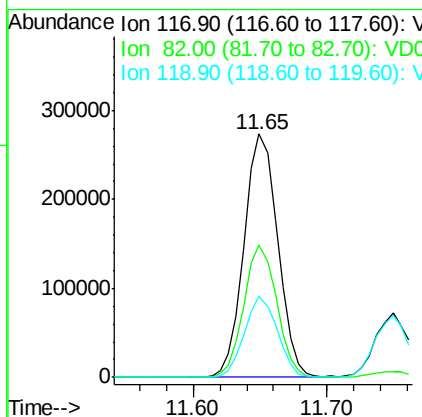
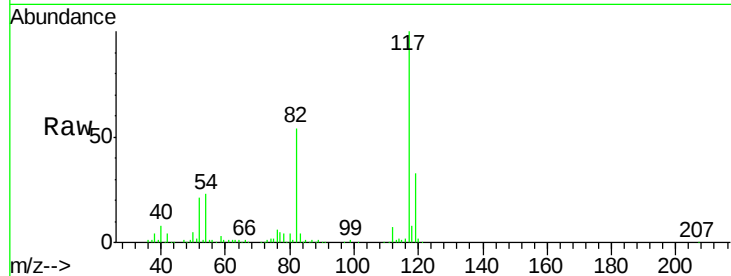




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

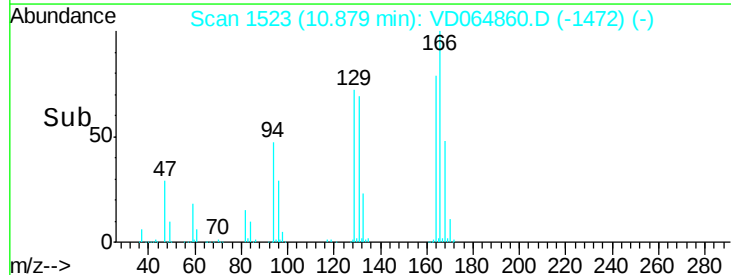
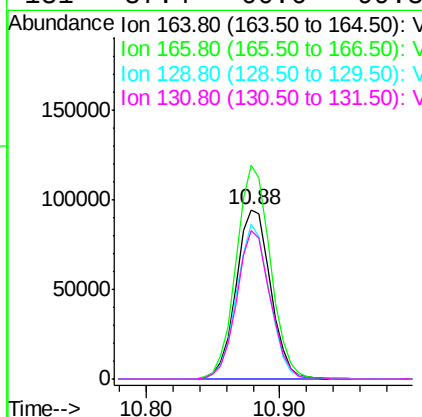
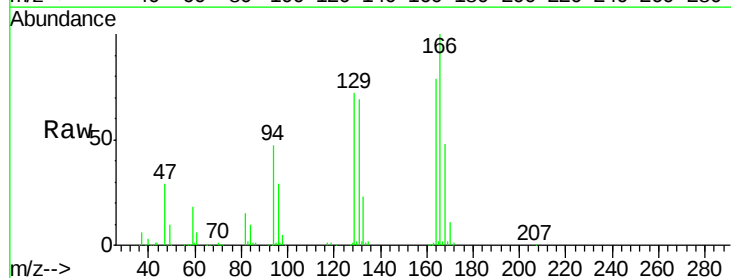
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

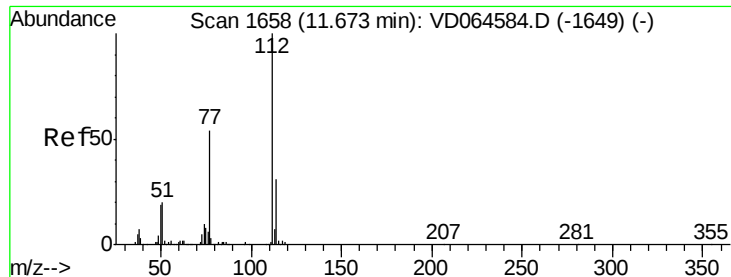
Tgt Ion:117 Resp: 478082
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 33.2 26.0 39.0



#64
Tetrachloroethene
Concen: 45.95 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion:164 Resp: 168547
Ion Ratio Lower Upper
164 100
166 126.1 101.3 151.9
129 91.1 70.5 105.7
131 87.4 66.6 99.8

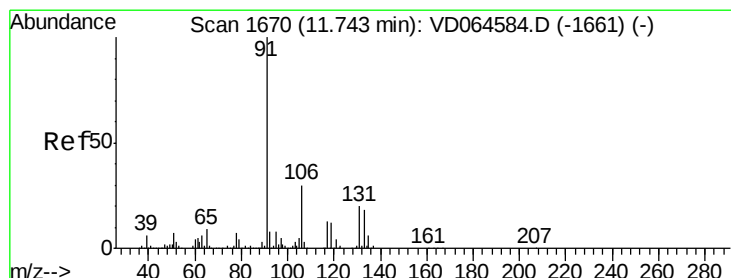
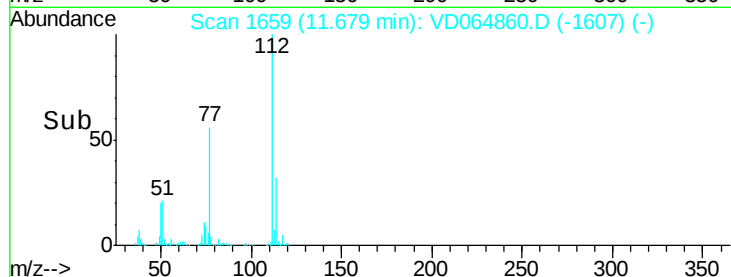
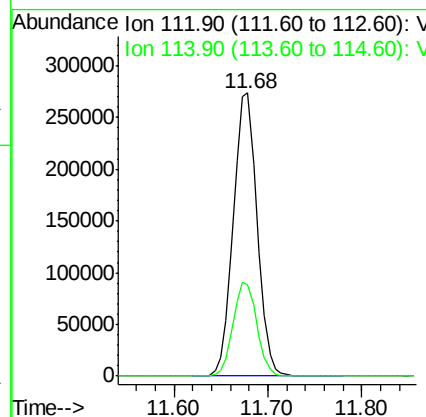
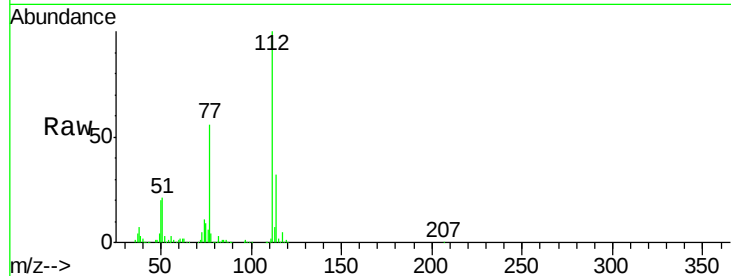




#65
Chlorobenzene
Concen: 48.63 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

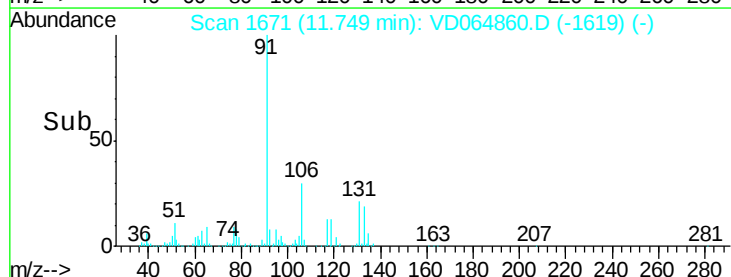
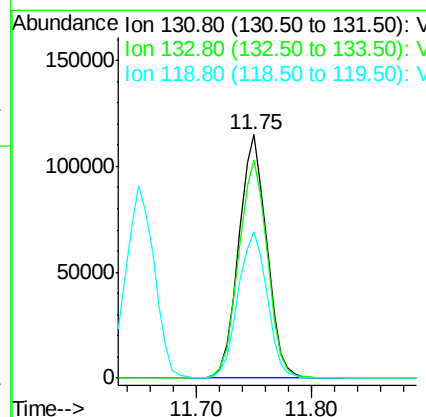
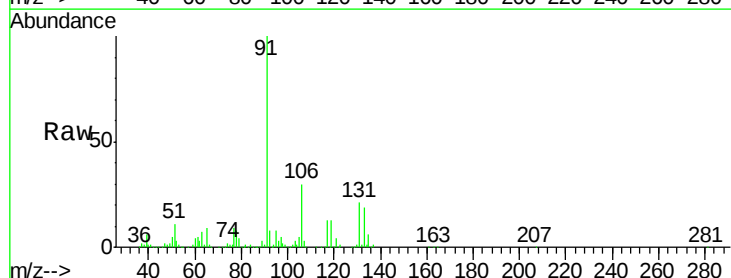
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

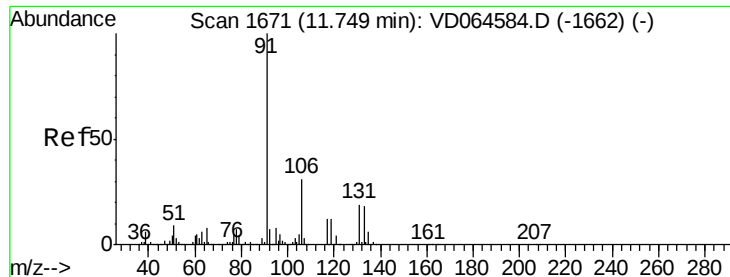
Tgt Ion:112 Resp: 482575
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.71 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion:131 Resp: 193415
Ion Ratio Lower Upper
131 100
133 92.3 48.3 144.8
119 62.6 32.1 96.3





#67

Ethyl Benzene

Concen: 48.78 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

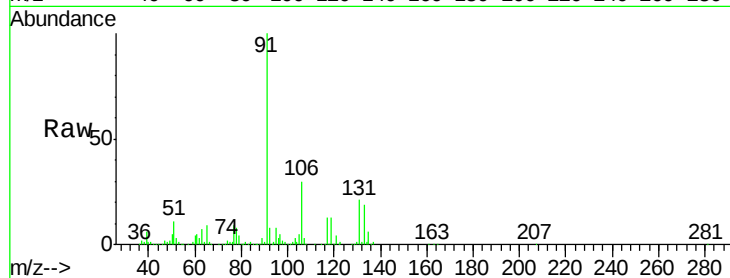
EP-3MSD

Tgt Ion: 91 Resp: 878493

Ion Ratio Lower Upper

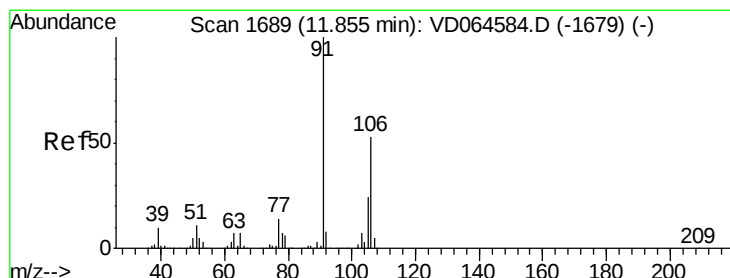
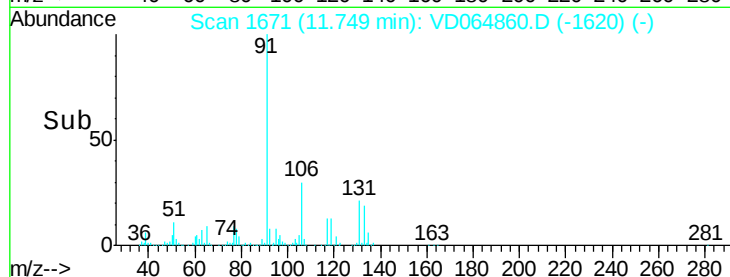
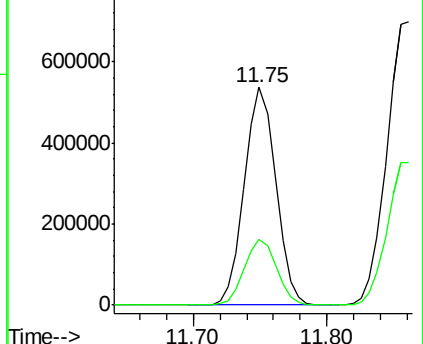
91 100

106 30.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.06 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064860.D

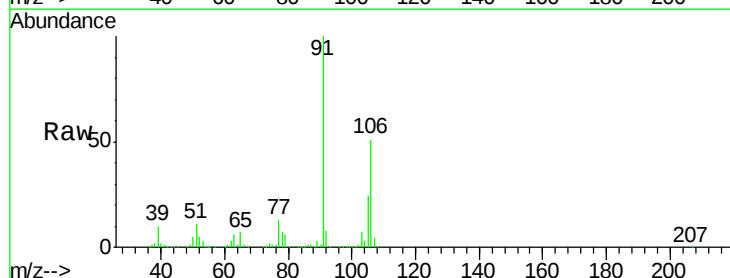
Acq: 17 Jan 2020 13:51

Tgt Ion: 106 Resp: 674682

Ion Ratio Lower Upper

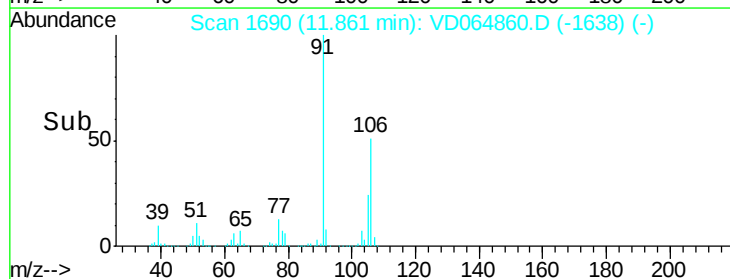
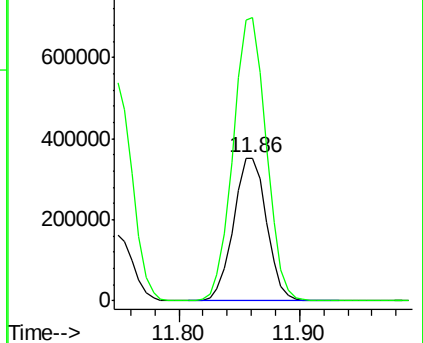
106 100

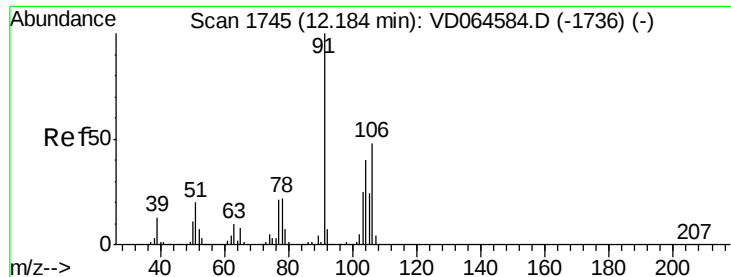
91 198.9 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

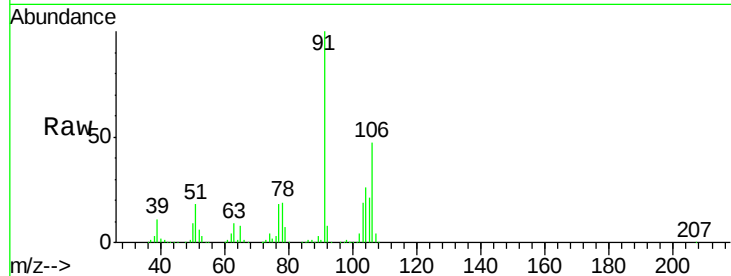




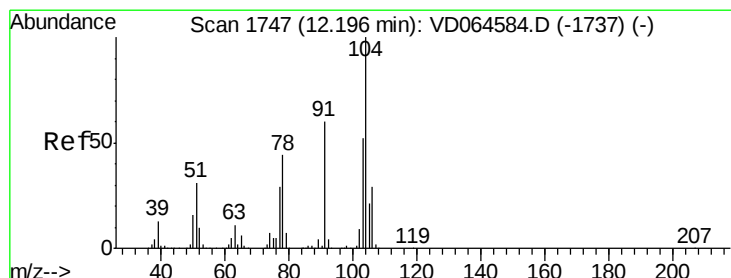
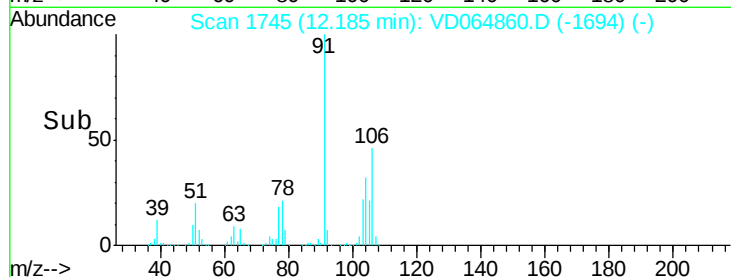
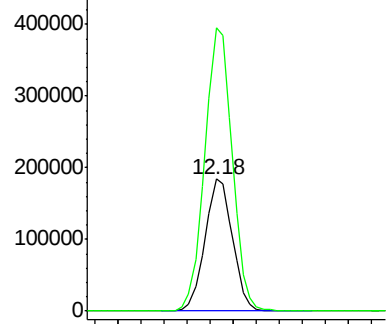
#69
o-Xylene
Concen: 48.41 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tgt Ion:106 Resp: 303968
Ion Ratio Lower Upper
106 100
91 214.0 104.8 314.4

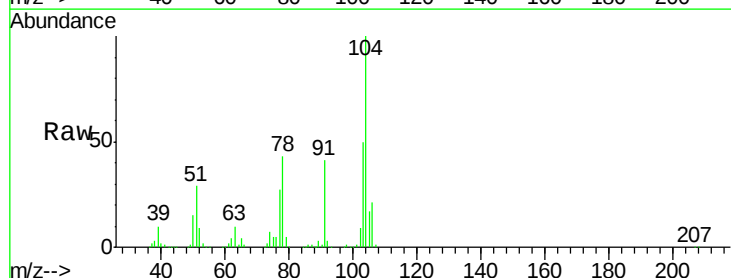


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

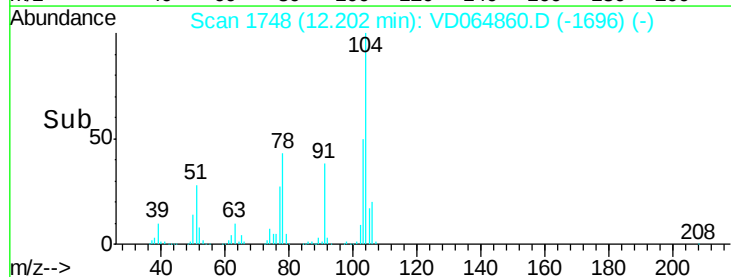
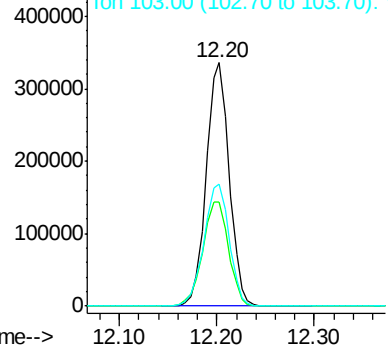


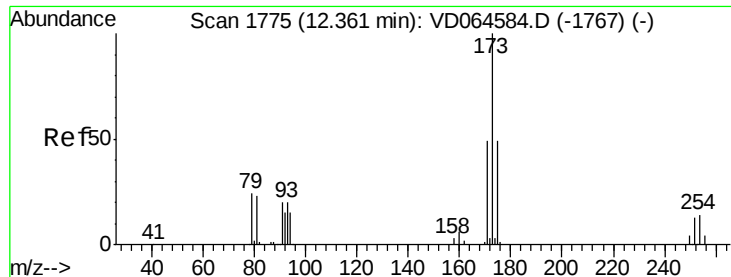
#70
Styrene
Concen: 49.56 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion:104 Resp: 546259
Ion Ratio Lower Upper
104 100
78 48.7 38.2 57.2
103 55.3 44.6 67.0



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





#71

Bromoform

Concen: 48.86 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

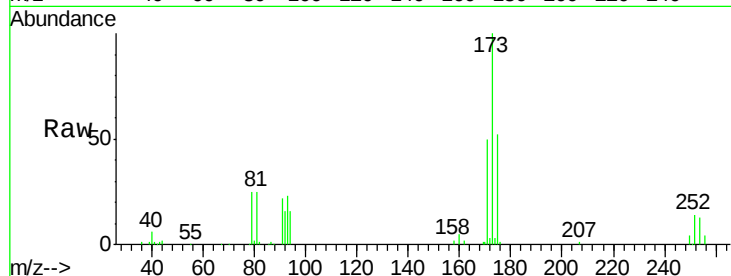
Tgt Ion:173 Resp: 104228

Ion Ratio Lower Upper

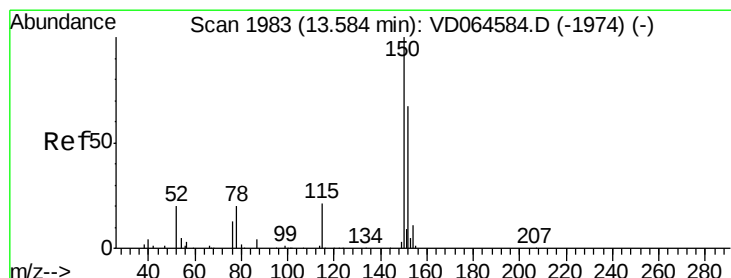
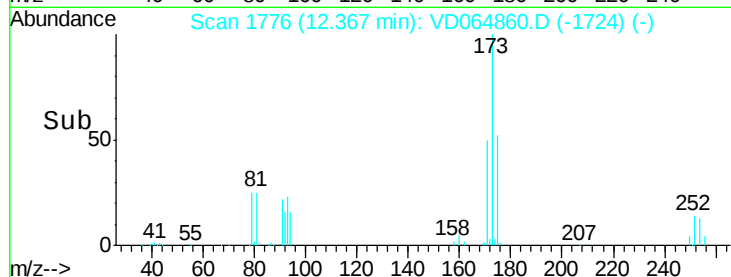
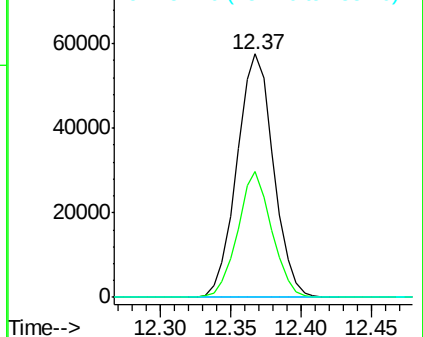
173 100

175 47.8 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

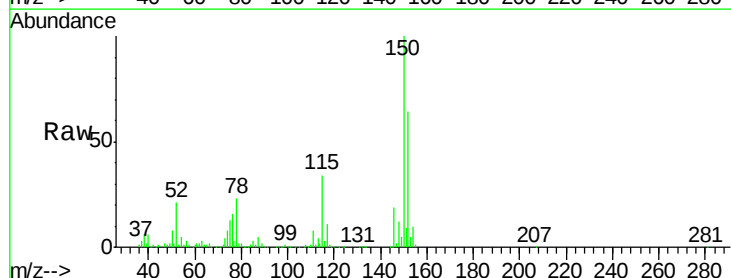
Tgt Ion:152 Resp: 238135

Ion Ratio Lower Upper

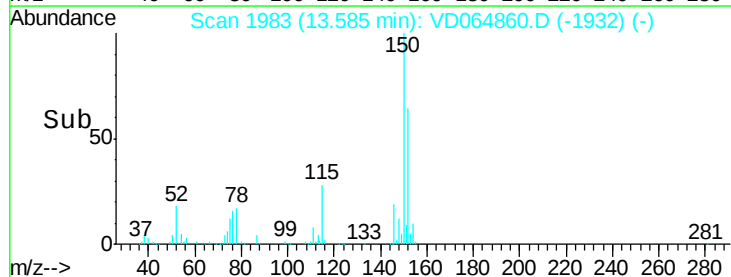
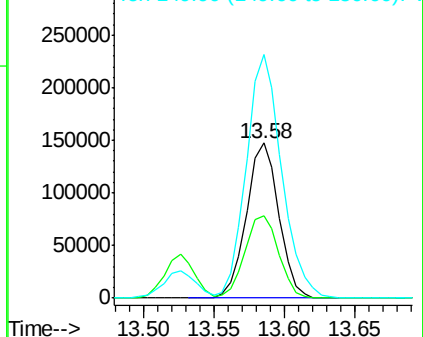
152 100

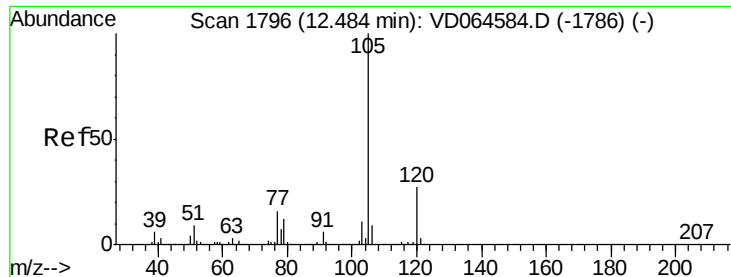
115 55.6 27.8 83.4

150 171.5 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: 49.21 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

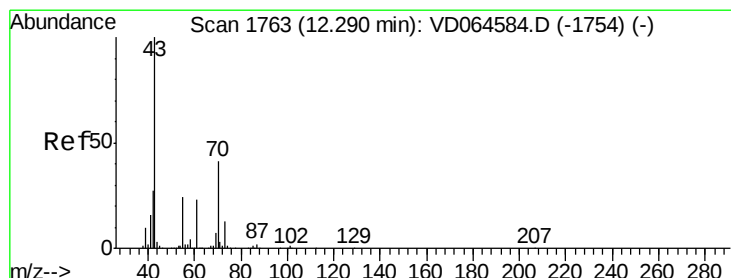
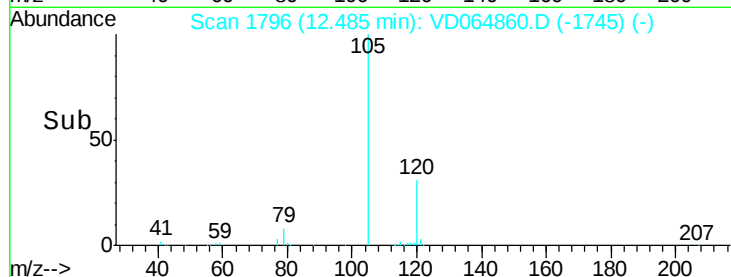
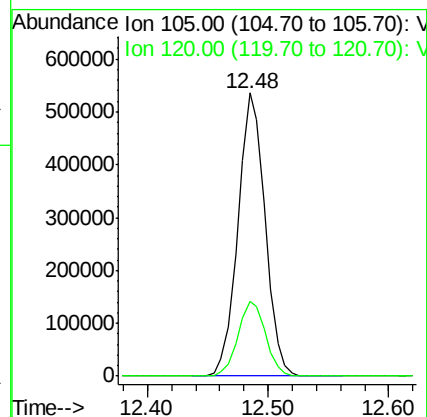
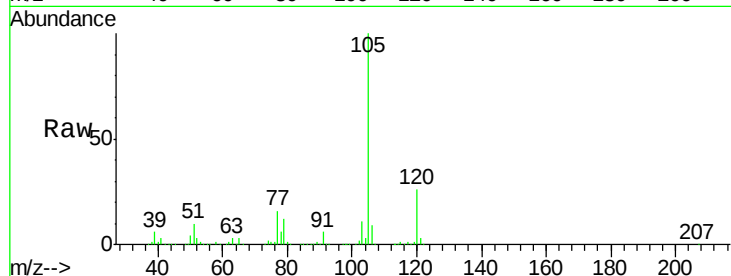
EP-3MSD

Tgt Ion:105 Resp: 837416

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 49.25 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion: 43 Resp: 179143

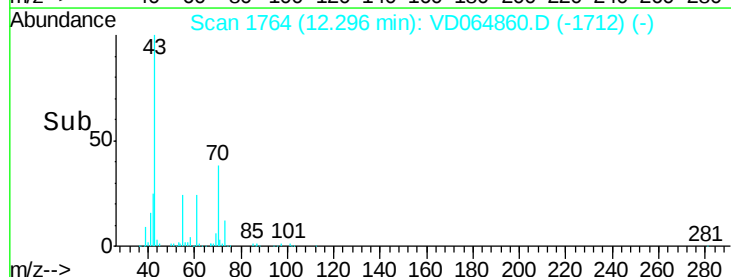
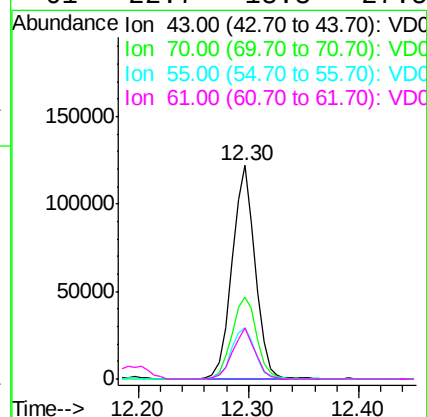
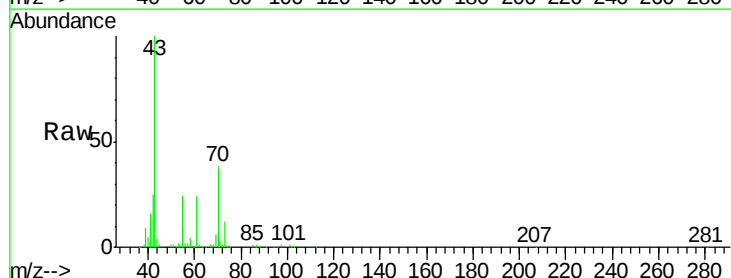
Ion Ratio Lower Upper

43 100

70 40.9 33.4 50.0

55 24.9 19.4 29.0

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.46 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

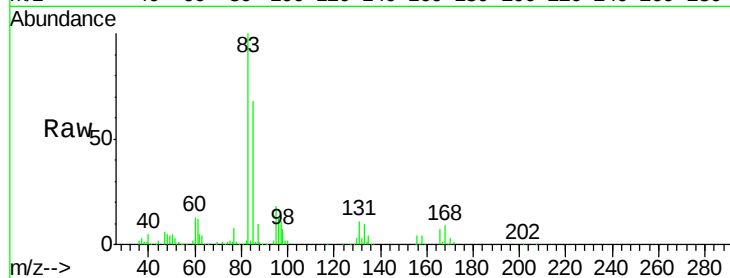
Tgt Ion: 83 Resp: 134904

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

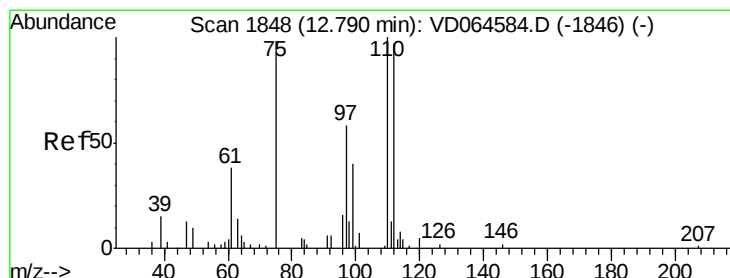
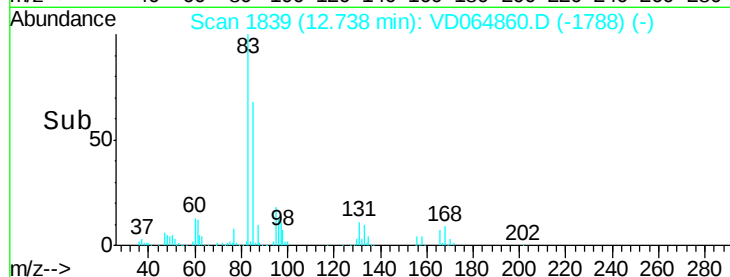
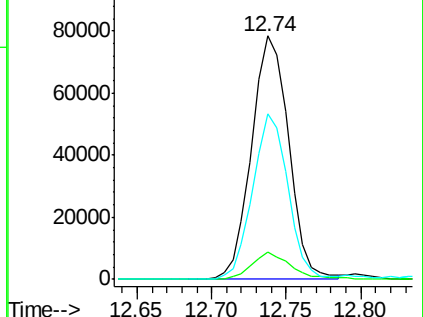
85 64.7 32.3 96.9



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: 94.95 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064860.D

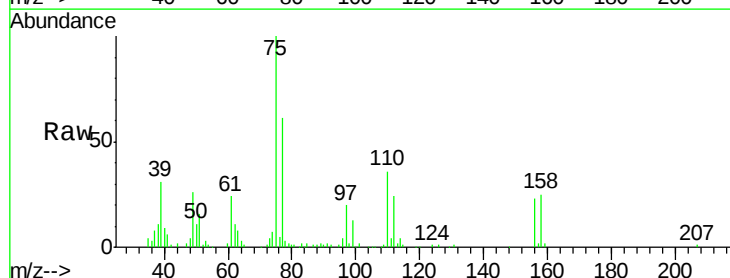
Acq: 17 Jan 2020 13:51

Tgt Ion: 75 Resp: 178542

Ion Ratio Lower Upper

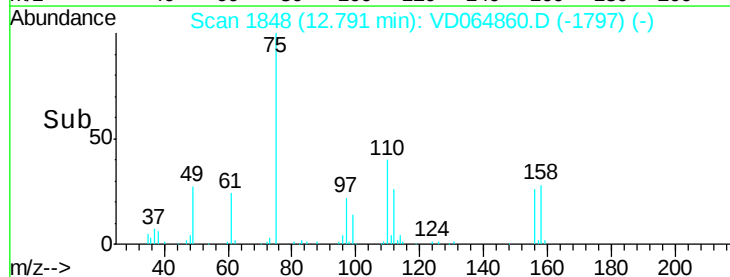
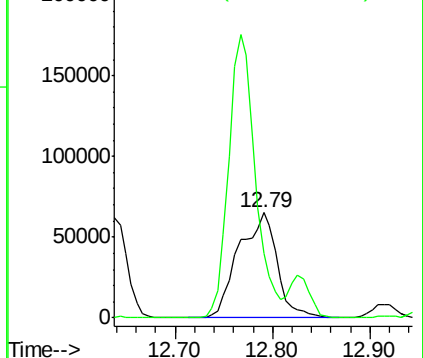
75 100

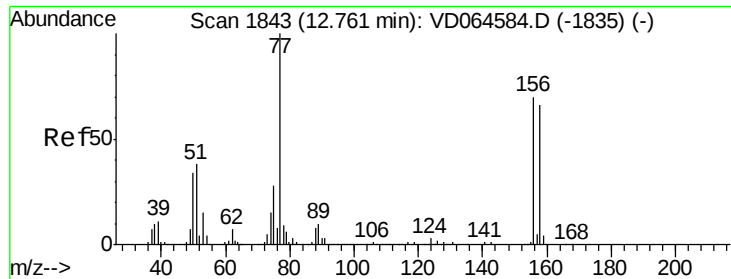
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

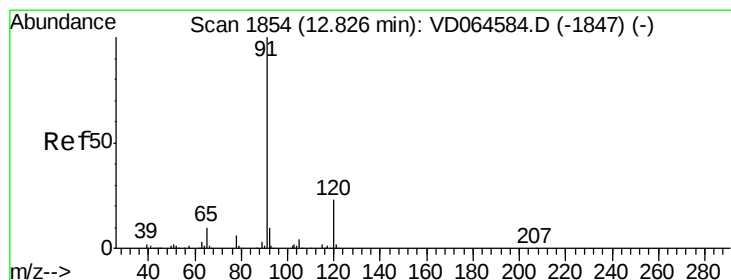
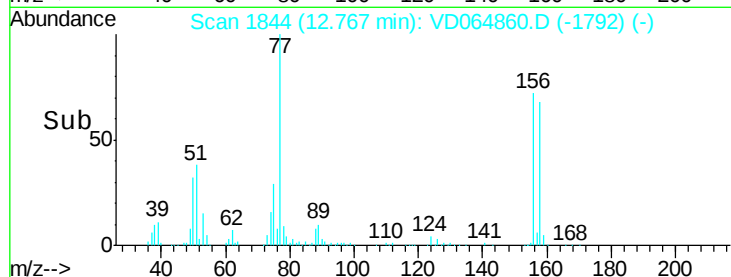
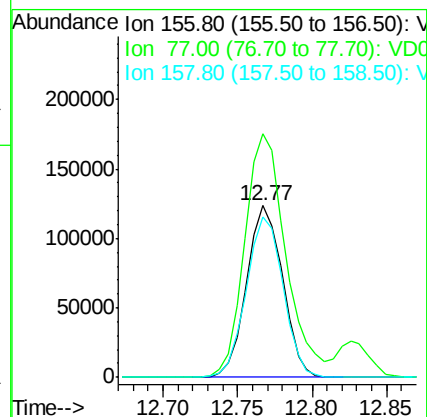
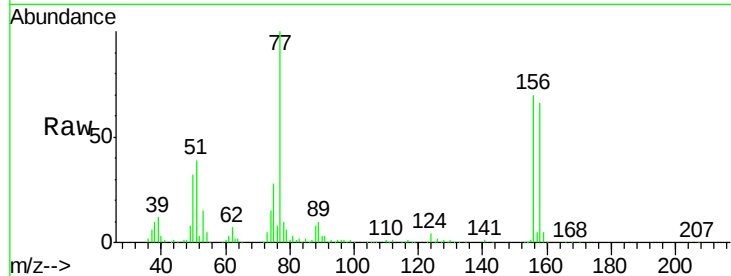




#77
Bromobenzene
Concen: 49.25 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

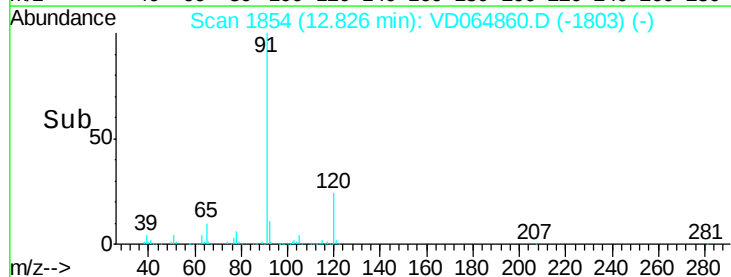
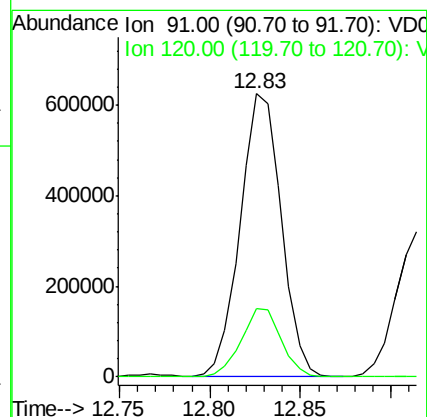
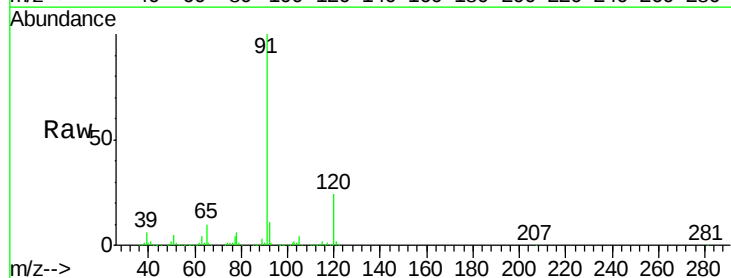
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

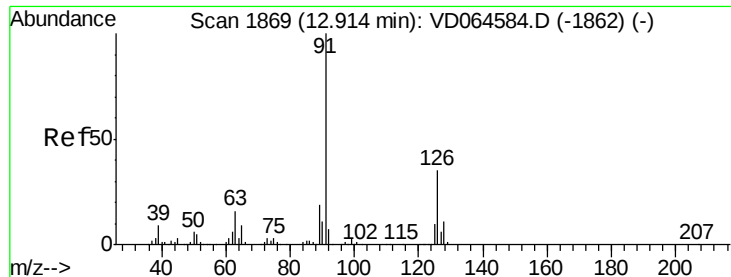
Tgt Ion:156 Resp: 205924
Ion Ratio Lower Upper
156 100
77 161.9 80.9 242.7
158 95.9 48.0 144.2



#78
n-propylbenzene
Concen: 49.54 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 91 Resp: 983431
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.9





#79

2-Chlorotoluene

Concen: 49.65 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

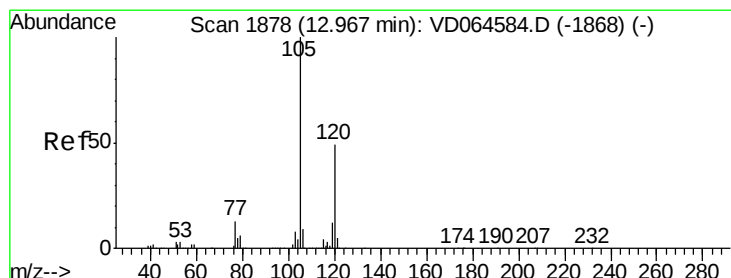
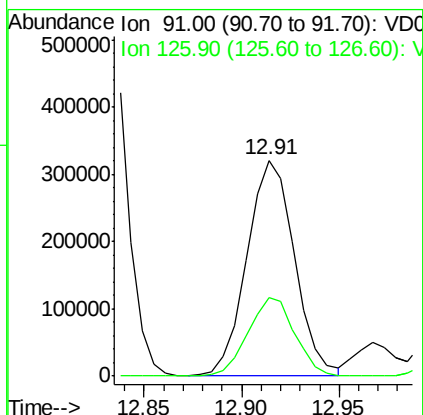
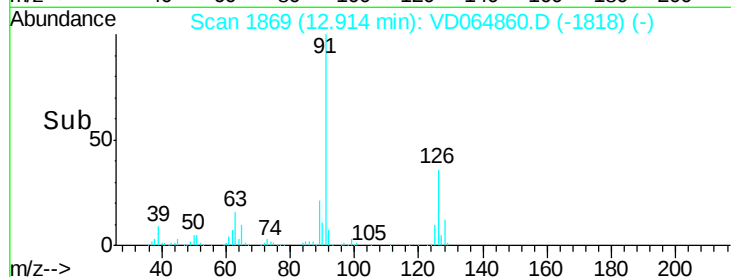
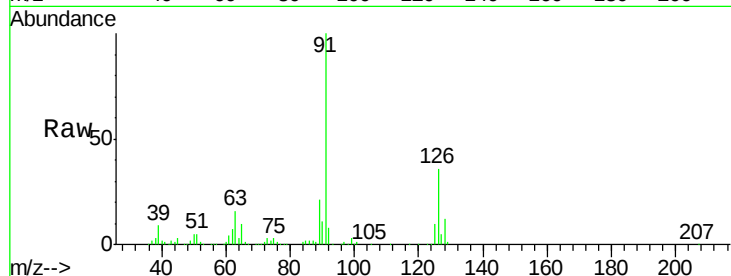
EP-3MSD

Tgt Ion: 91 Resp: 541461

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 49.13 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064860.D

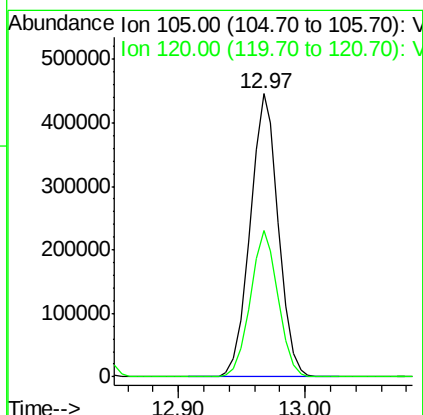
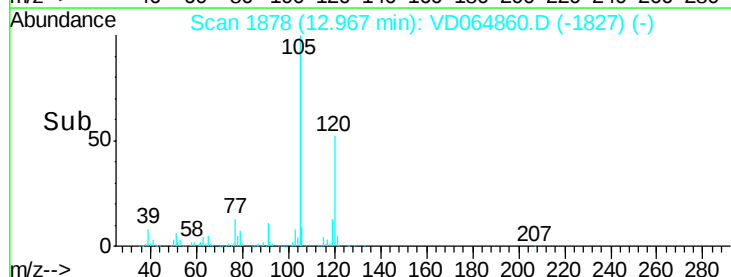
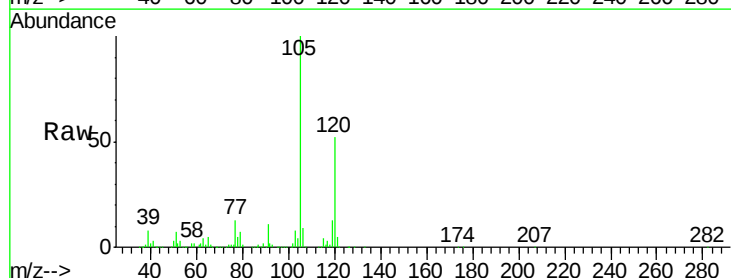
Acq: 17 Jan 2020 13:51

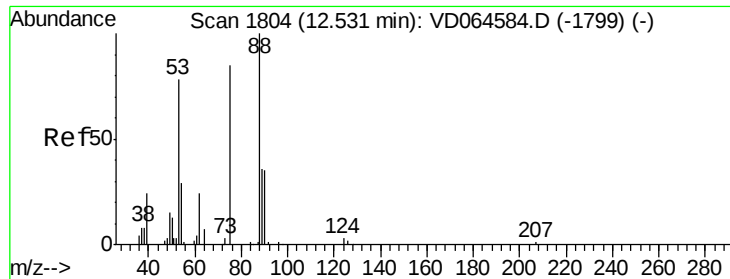
Tgt Ion: 105 Resp: 686737

Ion Ratio Lower Upper

105 100

120 51.0 25.0 75.0

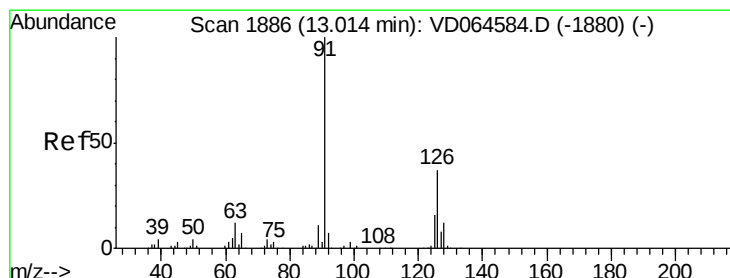
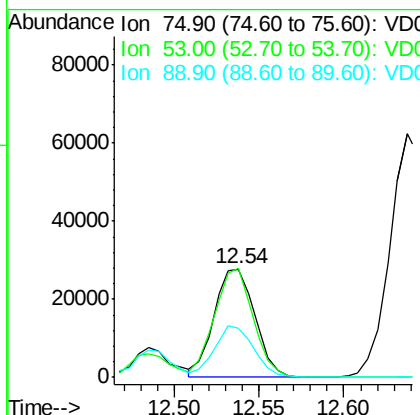
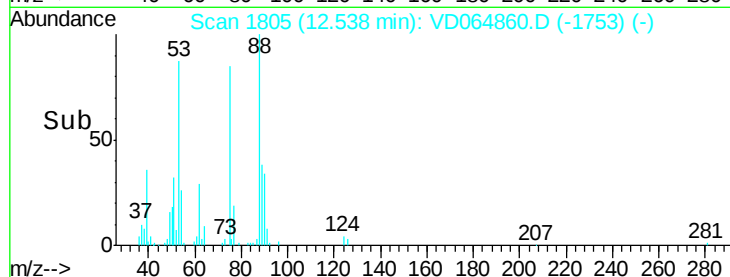
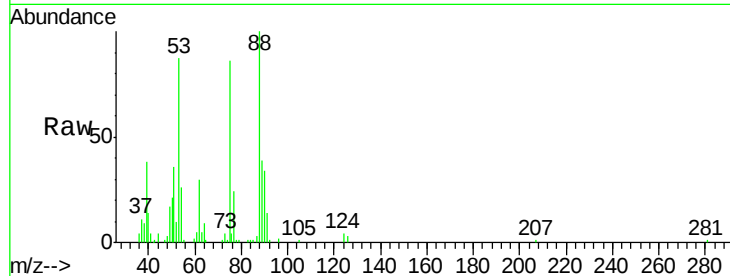




#81
trans-1,4-Dichloro-2-butene
Concen: 52.07 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

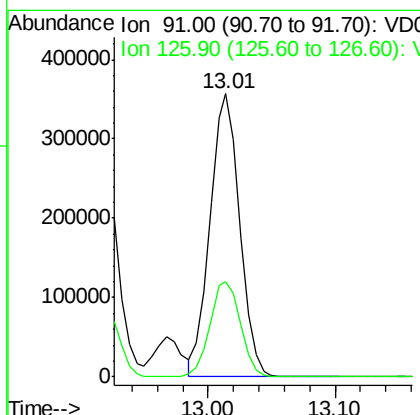
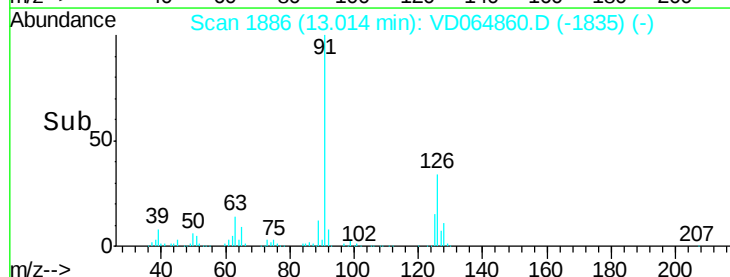
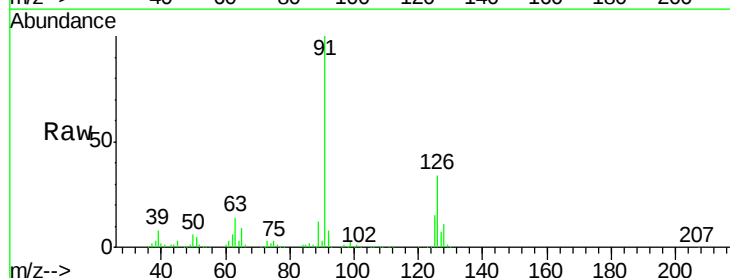
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

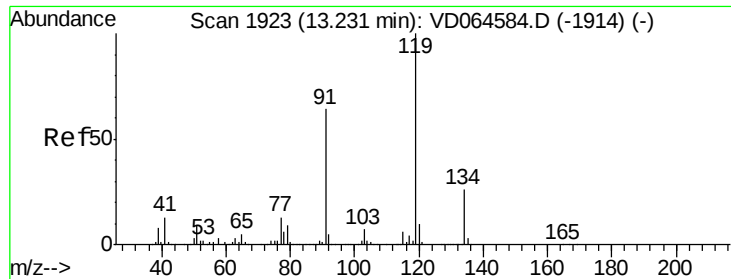
Tgt Ion: 75 Resp: 46814
Ion Ratio Lower Upper
75 100
53 95.6 78.8 118.2
89 45.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 50.01 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 91 Resp: 580423
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.5

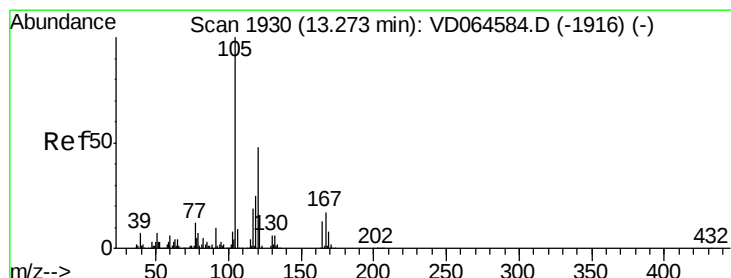
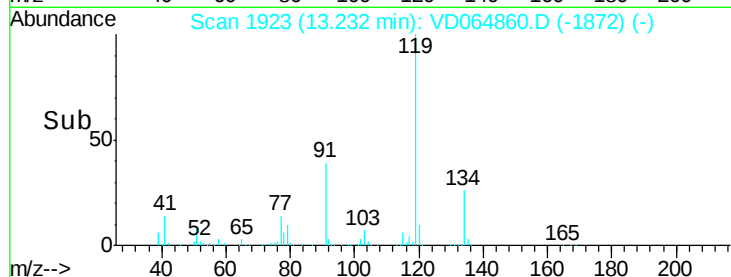
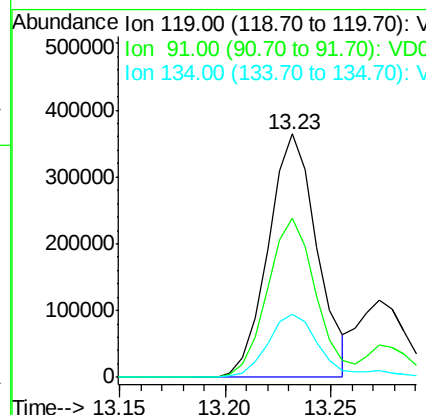
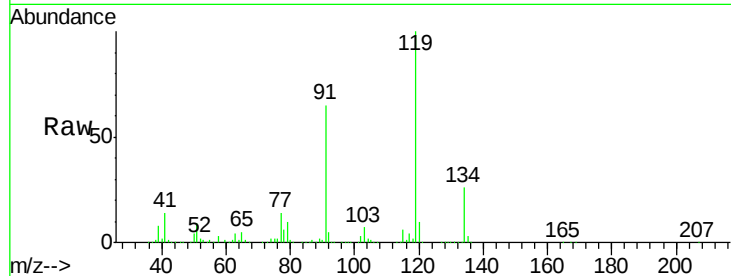




#83
 tert-Butylbenzene
 Concen: 48.41 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

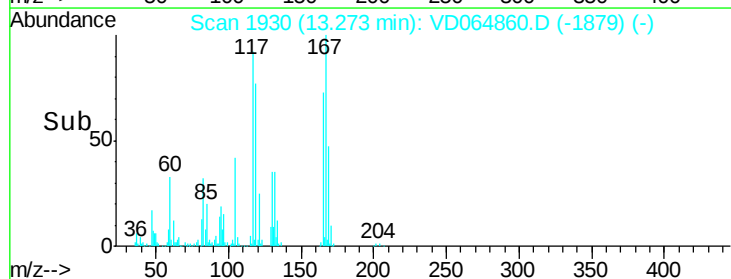
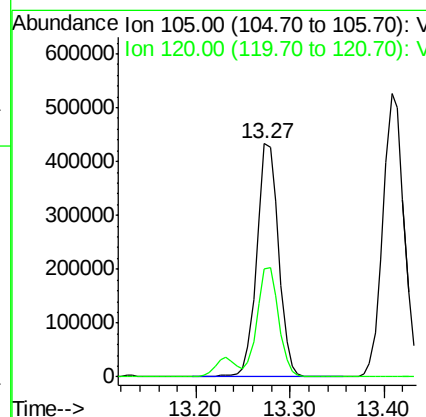
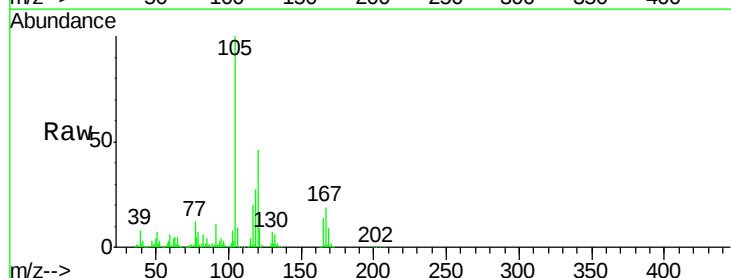
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tgt Ion:119 Resp: 587547
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.8 92.4
 134 28.4 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.04 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion:105 Resp: 696739
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.8 71.2

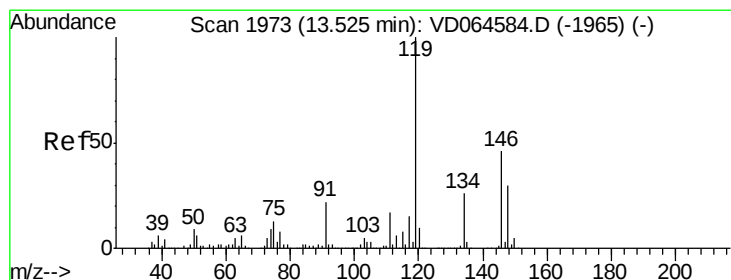
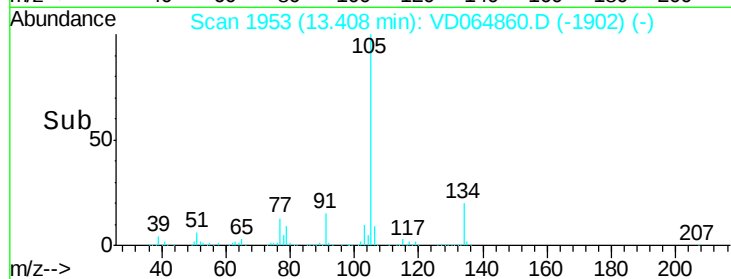
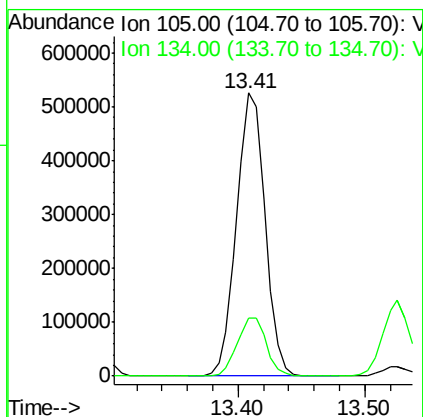
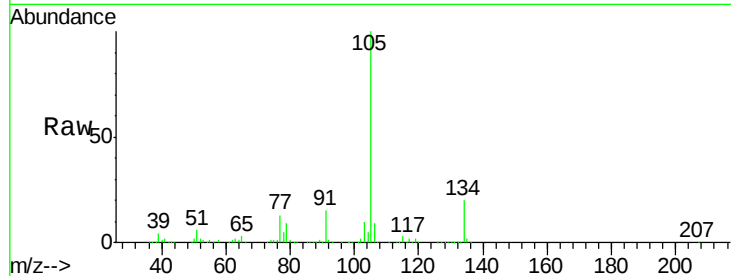




#85
 sec-Butylbenzene
 Concen: 49.26 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

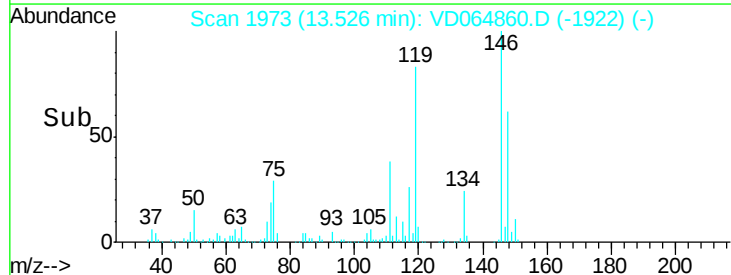
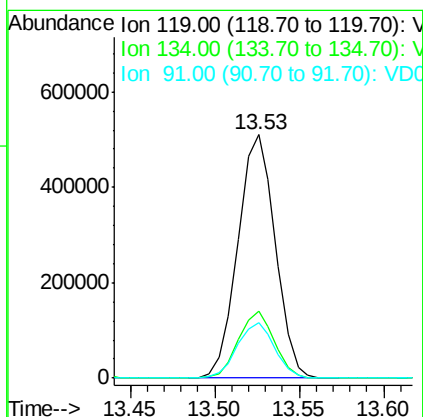
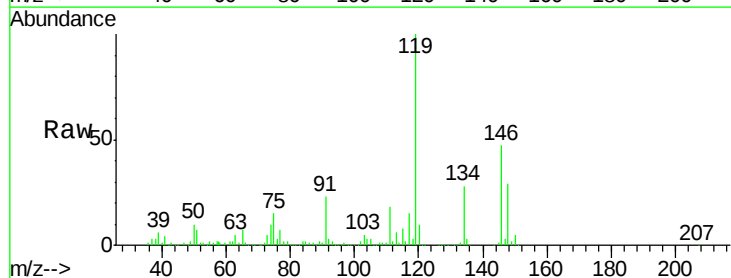
Instrument :
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 ClientSampleId :
 EP-3MSD

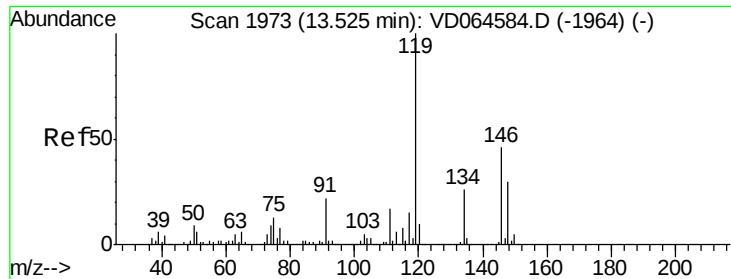
Tgt Ion:105 Resp: 819611
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 49.24 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion:119 Resp: 783474
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 22.8 11.2 33.6

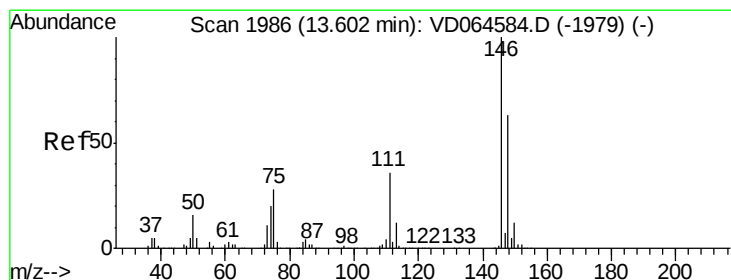
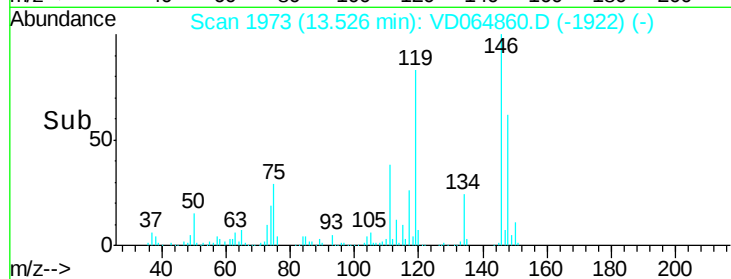
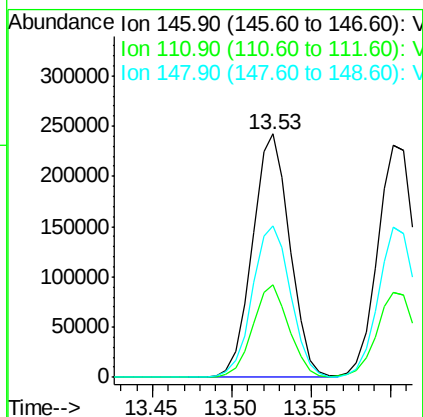
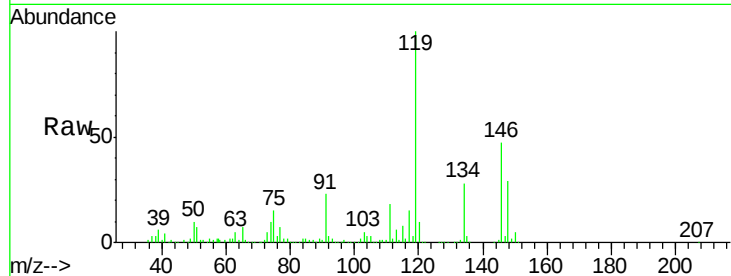




#87
 1,3-Dichlorobenzene
 Concen: 49.76 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

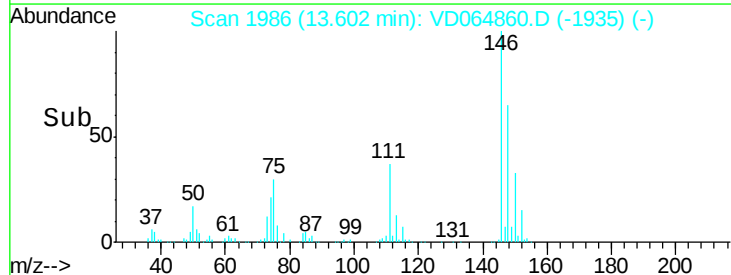
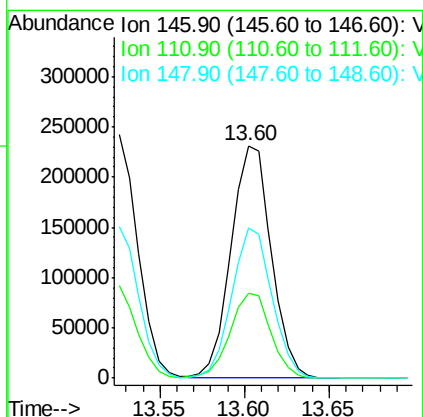
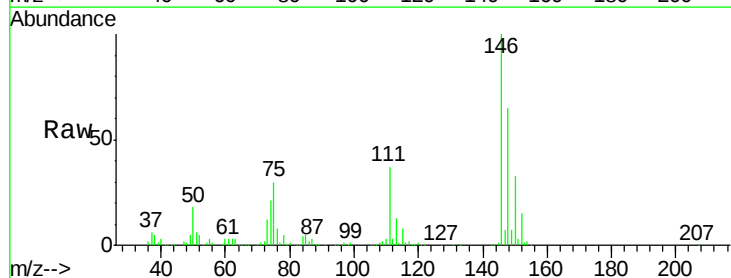
Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

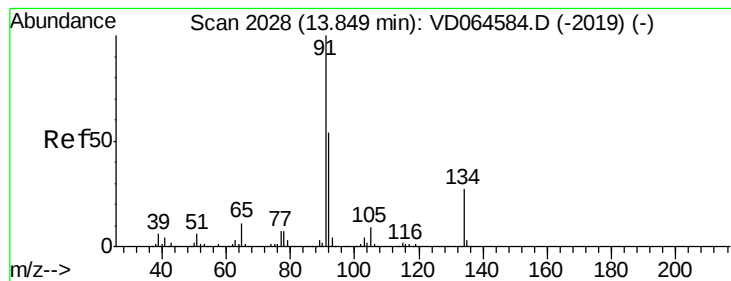
Tgt Ion:146 Resp: 396642
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.8 56.4
 148 63.9 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 49.00 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion:146 Resp: 383711
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.1
 148 64.3 32.3 96.9





#89

n-Butylbenzene

Concen: 49.43 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

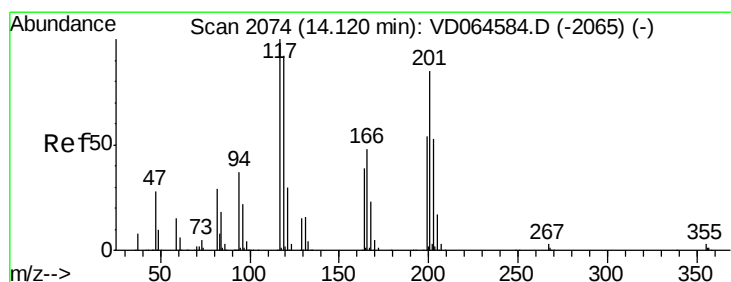
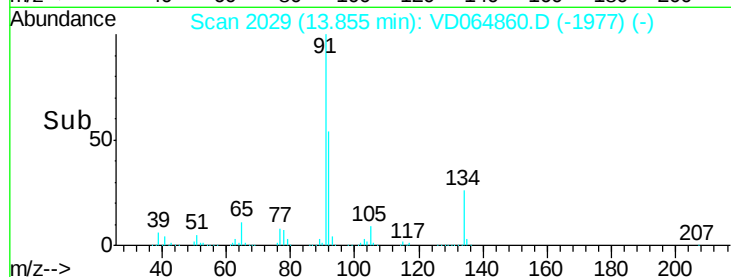
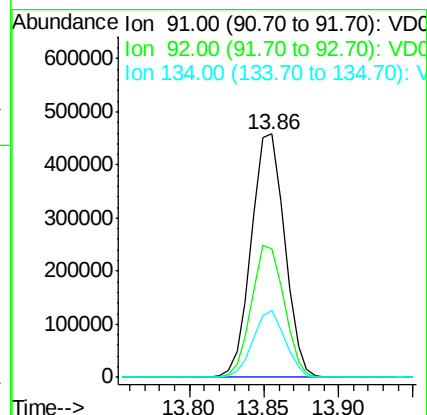
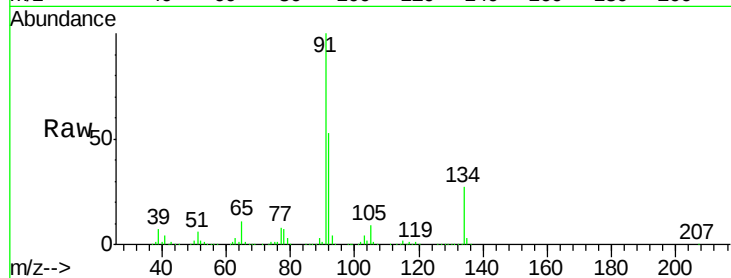
Tgt Ion: 91 Resp: 708189

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.4

134 26.4 14.0 41.9



#90

Hexachloroethane

Concen: 49.38 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD064860.D

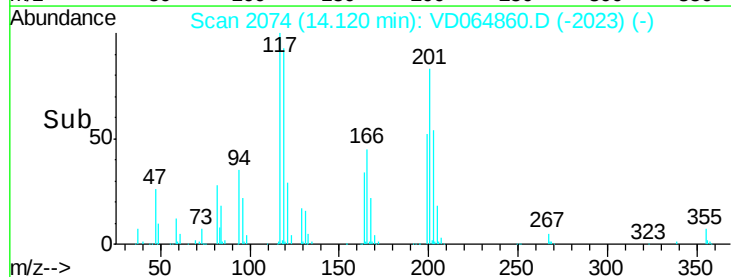
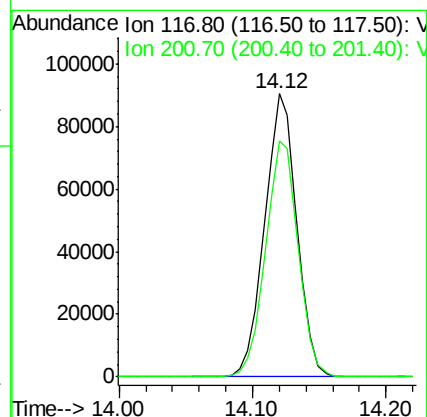
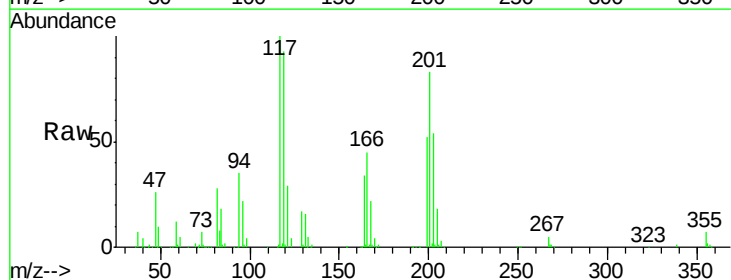
Acq: 17 Jan 2020 13:51

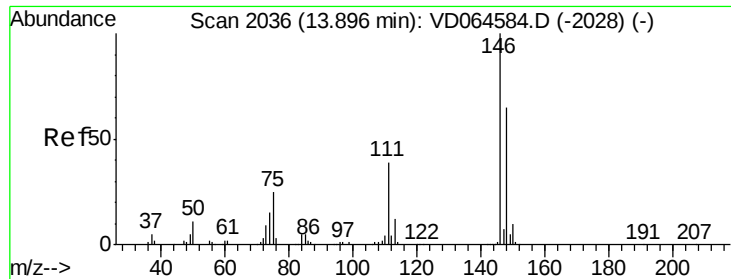
Tgt Ion: 117 Resp: 150091

Ion Ratio Lower Upper

117 100

201 84.8 44.0 131.8

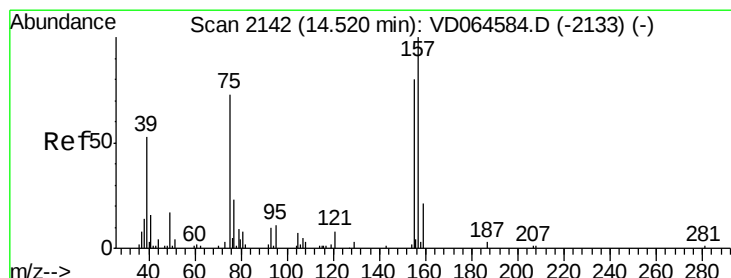
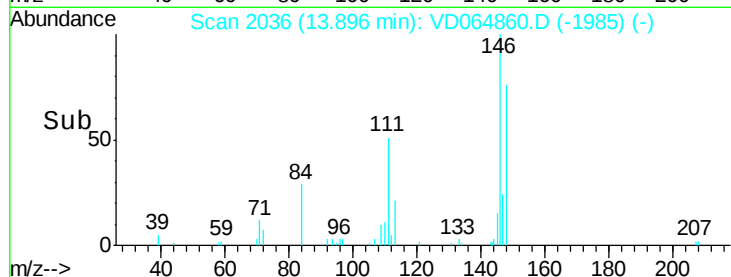
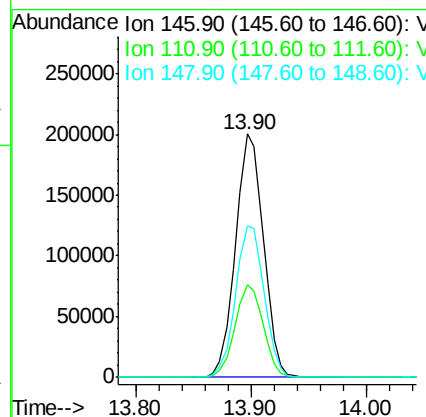
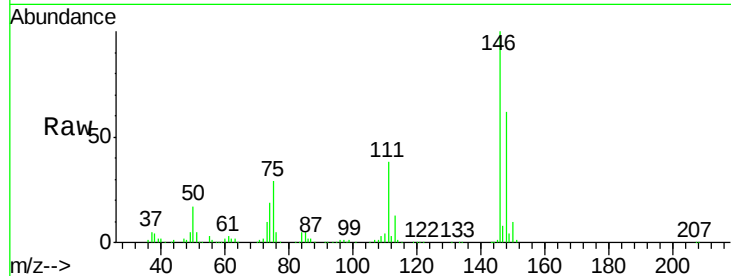




#91
 1,2-Dichlorobenzene
 Concen: 49.38 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

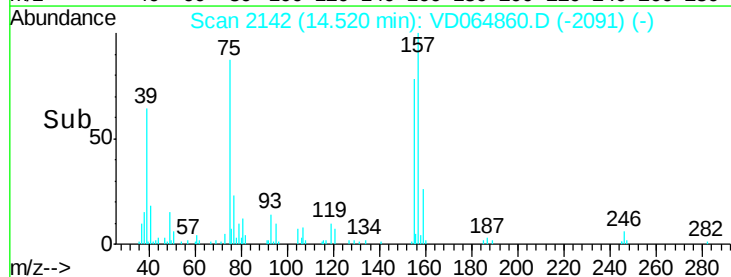
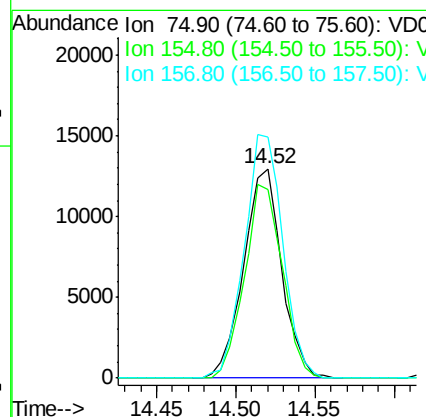
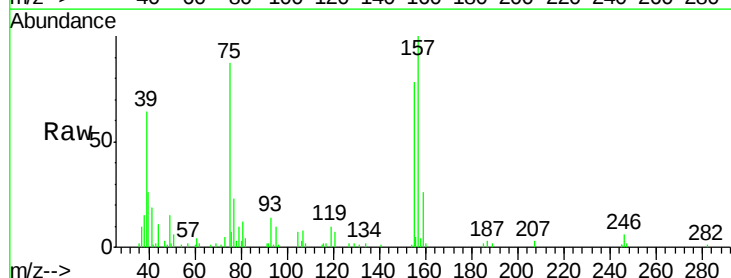
Instrument :
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 ClientSampleId :
 EP-3MSD

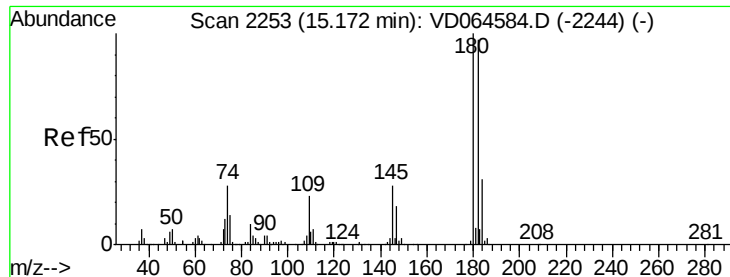
Tgt Ion:146 Resp: 335658
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.3 57.9
 148 63.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.88 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 75 Resp: 21618
 Ion Ratio Lower Upper
 75 100
 155 91.6 48.0 144.0
 157 117.6 64.1 192.3

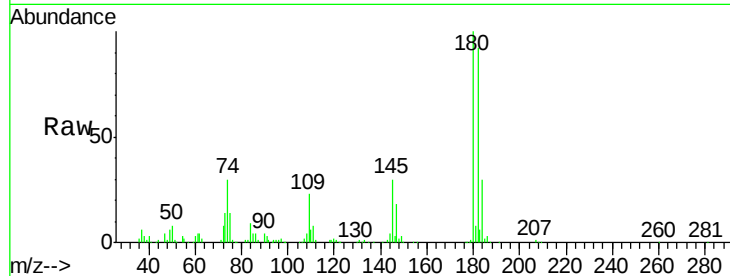




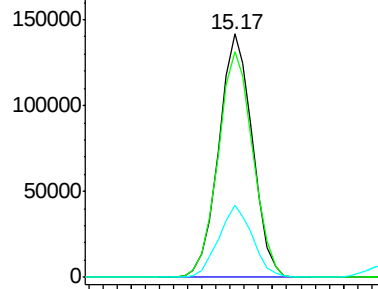
#93
 1,2,4-Trichlorobenzene
 Concen: 47.34 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

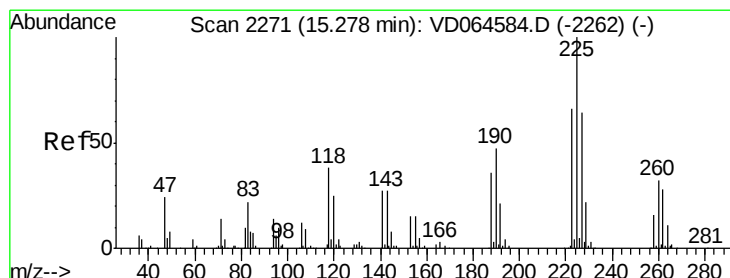
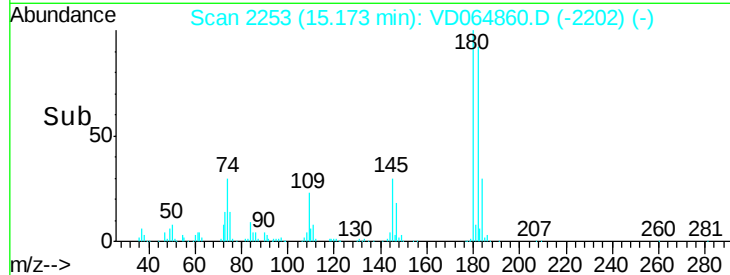
Tgt Ion:180 Resp: 236937
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.0 144.2
 145 29.6 13.8 41.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

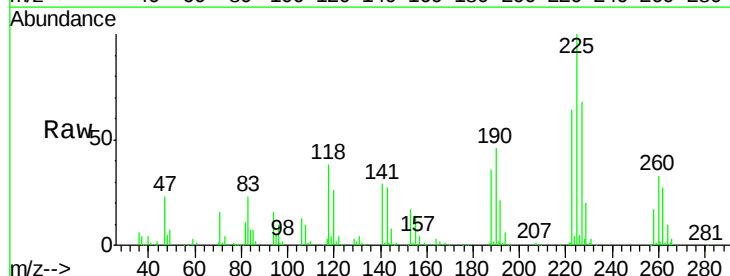


Time-->

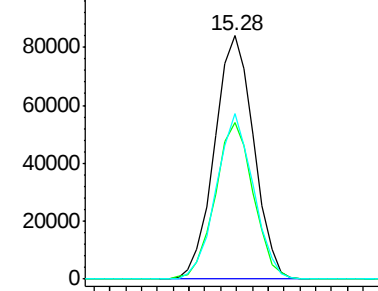


#94
 Hexachlorobutadiene
 Concen: 45.73 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

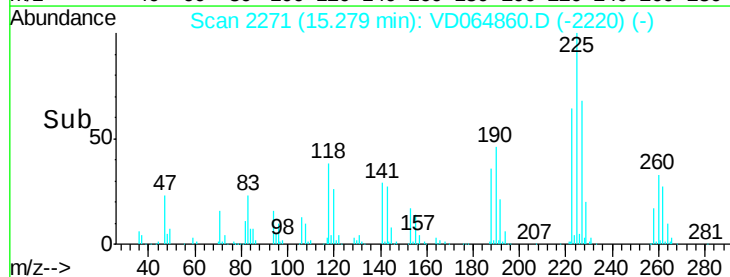
Tgt Ion:225 Resp: 144010
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.1 93.2
 227 64.4 30.9 92.7

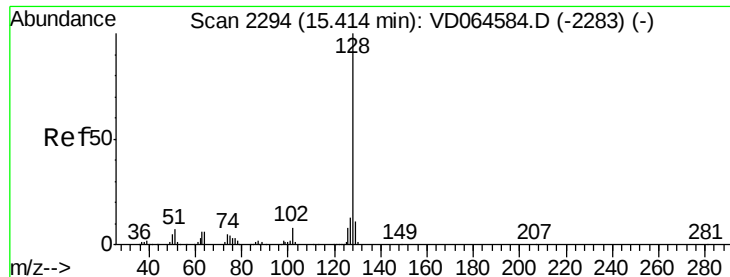


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->

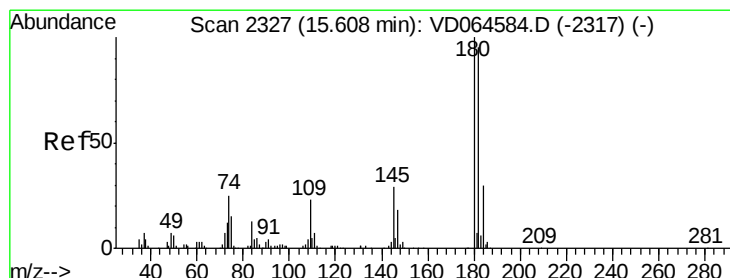
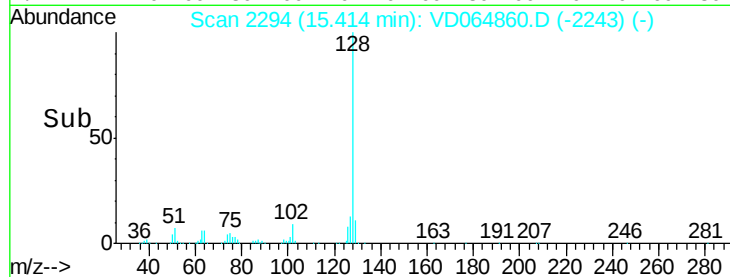
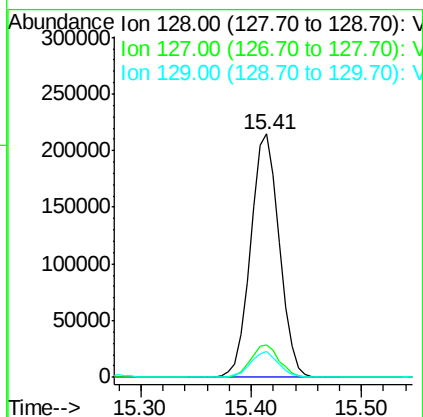
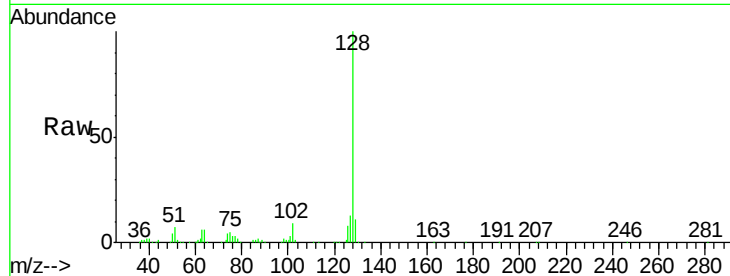




#95
Naphthalene
Concen: 49.48 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.4	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 48.49 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.0	14.9	44.7

