

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059979.D
 Acq On : 6 Sep 2018 11:40
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/7/2018 10:24:26 AM

Quant Time: Sep 07 04:21:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1279413	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1743301	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1491044	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	787224	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	514592	47.72	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	6.30	113	725273	53.07	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	9.44	98	1946494	51.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.42	95	794818	51.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	436611m	38.18	ug/l	
3) Chloromethane	1.74	50	400729	38.68	ug/l	97
4) Vinyl Chloride	1.83	62	337262	41.52	ug/l	98
5) Bromomethane	2.12	94	50983	36.35	ug/l	92
6) Chloroethane	2.22	64	109873	39.74	ug/l	99
7) Trichlorofluoromethane	2.48	101	423603	45.07	ug/l	99
8) Diethyl Ether	2.79	74	102093	48.42	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.06	101	280427	48.72	ug/l	96
10) Methyl Iodide	3.21	142	277507	45.59	ug/l	97
11) Tert butyl alcohol	3.95	59	226626	275.43	ug/l	100
12) 1,1-Dichloroethene	3.04	96	212610	47.45	ug/l	98
13) Acrolein	2.95	56	84938	238.01	ug/l	94
14) Allyl chloride	3.50	41	509288	50.24	ug/l	98
15) Acrylonitrile	4.05	53	814630	264.39	ug/l	99
16) Acetone	3.13	43	581381	295.92	ug/l	99
17) Carbon Disulfide	3.28	76	588543	42.32	ug/l	99
18) Methyl Acetate	3.52	43	232924	56.79	ug/l	96
19) Methyl tert-butyl Ether	4.09	73	1305062	51.49	ug/l	99
20) Methylene Chloride	3.68	84	717115	55.07	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	605237	49.03	ug/l	97
22) Diisopropyl ether	4.82	45	2558656	49.49	ug/l	99
23) Vinyl Acetate	4.77	43	7134092	246.86	ug/l	99
24) 1,1-Dichloroethane	4.72	63	1104188	49.44	ug/l	100
25) 2-Butanone	5.60	43	1554962	267.24	ug/l	95
26) 2,2-Dichloropropane	5.56	77	879290	47.10	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	698761	51.70	ug/l	93
28) Bromochloromethane	5.89	49	512775	47.91	ug/l	96
29) Tetrahydrofuran	5.92	42	718498	259.38	ug/l	97
30) Chloroform	6.07	83	1122207	49.44	ug/l	98
31) Cyclohexane	6.34	56	879465	42.83	ug/l	100
32) 1,1,1-Trichloroethane	6.27	97	902643	46.86	ug/l	98
36) 1,1-Dichloropropene	6.49	75	759503	48.06	ug/l	99
37) Ethyl Acetate	5.67	43	637026	51.80	ug/l	99
38) Carbon Tetrachloride	6.47	117	749347	46.99	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	837710	49.06	ug/l	96
40) Benzene	6.77	78	2096785	51.03	ug/l	100
41) Methacrylonitrile	5.89	41	301885m	48.73	ug/l	
42) 1,2-Dichloroethane	6.87	62	653003	49.50	ug/l	98
43) Isopropyl Acetate	8.33	43	831257	51.96	ug/l #	97
44) Trichloroethene	7.71	130	647355	53.51	ug/l	98
45) 1,2-Dichloropropane	8.09	63	593277	51.65	ug/l	99
46) Dibromomethane	8.20	93	388220	52.57	ug/l	95
47) Bromodichloromethane	8.47	83	846962	50.66	ug/l	98
48) Methyl methacrylate	8.23	41	468268	50.21	ug/l	98
49) 1,4-Dioxane	8.21	88	96165	1154.98	ug/l #	87
51) 4-Methyl-2-Pentanone	9.33	43	3291030	275.93	ug/l	100
52) Toluene	9.54	92	1378431	52.31	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	781294	50.52	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	917257	51.16	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	492159	51.10	ug/l	98
56) Ethyl methacrylate	10.02	69	576791	51.89	ug/l	97
57) 1,3-Dichloropropane	10.37	76	730946	52.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1441173	270.27	ug/l	97
59) 2-Hexanone	10.48	43	2434389	276.72	ug/l	98
60) Dibromochloromethane	10.63	129	614117	50.73	ug/l	98
61) 1,2-Dibromoethane	10.75	107	516620	53.05	ug/l	98
64) Tetrachloroethene	10.23	164	580127	50.32	ug/l	99
65) Chlorobenzene	11.31	112	1542100	52.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	539088	49.80	ug/l	97
67) Ethyl Benzene	11.41	91	2474918	49.65	ug/l	99
68) m/p-Xylenes	11.56	106	1843064	101.55	ug/l	96
69) o-Xylene	11.93	106	927575	52.25	ug/l	98
70) Styrene	11.95	104	1579731	51.40	ug/l	99
71) Bromoform	12.10	173	467256	49.89	ug/l	100
73) Isopropylbenzene	12.27	105	2482492	49.40	ug/l	97
74) N-amyl acetate	12.12	43	1047560	47.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	596816	51.35	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	603110	49.29	ug/l	100
77) Bromobenzene	12.54	156	730314	52.42	ug/l	81
78) n-propylbenzene	12.64	91	3035187	47.70	ug/l	96
79) 2-Chlorotoluene	12.69	91	1755577	48.79	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1957344	48.99	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.33	75	180541	47.44	ug/l	99
82) 4-Chlorotoluene	12.80	91	1991571	48.52	ug/l	97
83) tert-Butylbenzene	13.04	119	2069577m	45.47	ug/l	
84) 1,2,4-Trimethylbenzene	13.09	105	2012865	48.34	ug/l	98
85) sec-Butylbenzene	13.22	105	2551427	47.67	ug/l	98
86) p-Isopropyltoluene	13.33	119	2162543	49.68	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	1274847	51.25	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1279665	51.56	ug/l	98
89) n-Butylbenzene	13.64	91	2171755	52.95	ug/l	98
90) Hexachloroethane	13.86	117	554568	47.45	ug/l	75
91) 1,2-Dichlorobenzene	13.66	146	1104126	52.20	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	82037	45.90	ug/l	87

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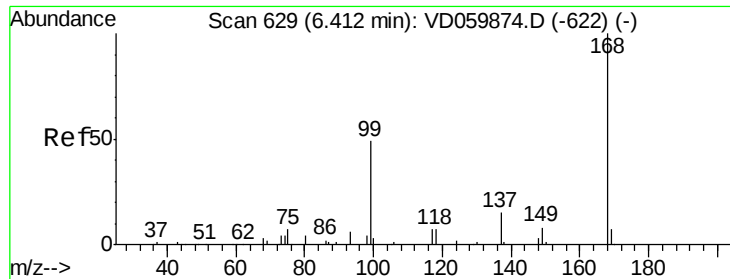
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	940719	51.95	ug/l	98
94) Hexachlorobutadiene	14.88	225	622500	52.44	ug/l	100
95) Naphthalene	14.96	128	1460363	52.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	818951	52.88	ug/l	97

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



#1

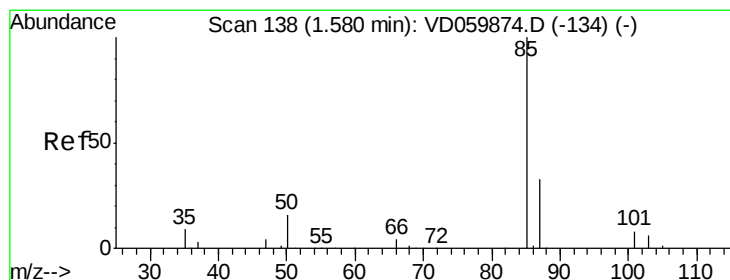
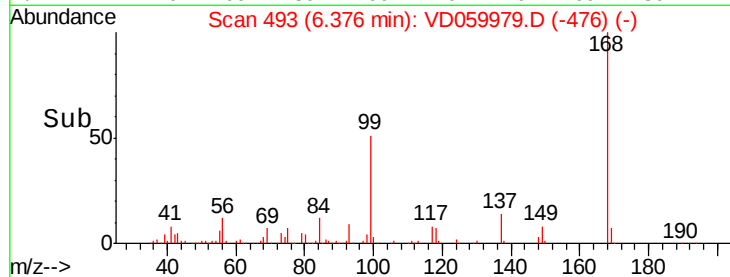
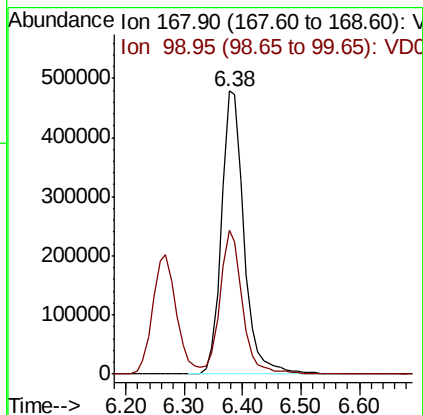
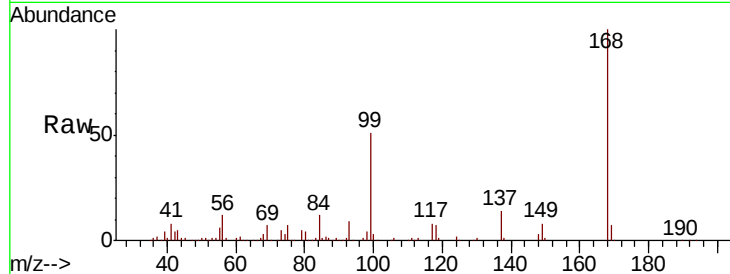
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:168 Resp: 1279413
 Ion Ratio Lower Upper
 168 100
 99 50.8 42.2 63.2

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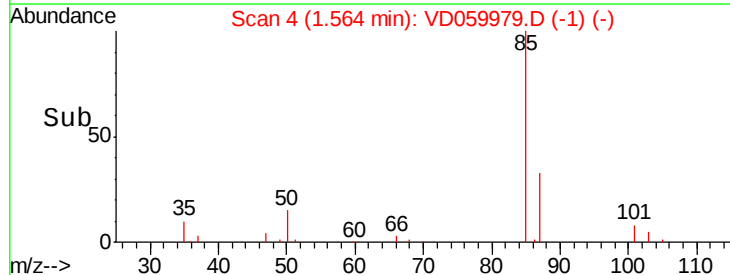
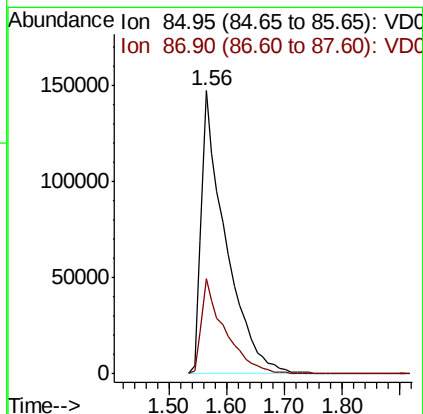
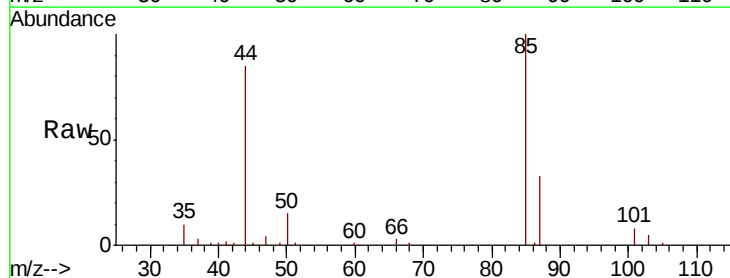
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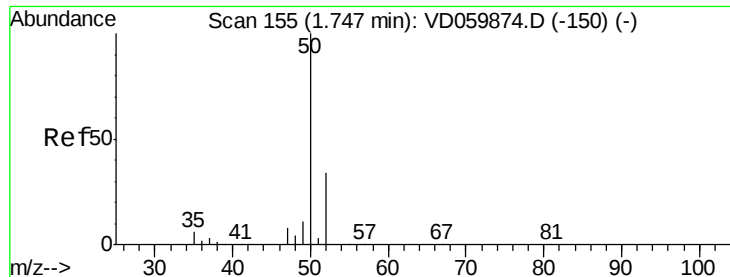


#2

Dichlorodifluoromethane
 Concen: 38.18 ug/l m
 RT: 1.56 min Scan# 4
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 85 Resp: 436611
 Ion Ratio Lower Upper
 85 100
 87 33.5 16.8 50.3





#3

Chloromethane

Concen: 38.68 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.01 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 400729

Ion Ratio Lower Upper

50 100

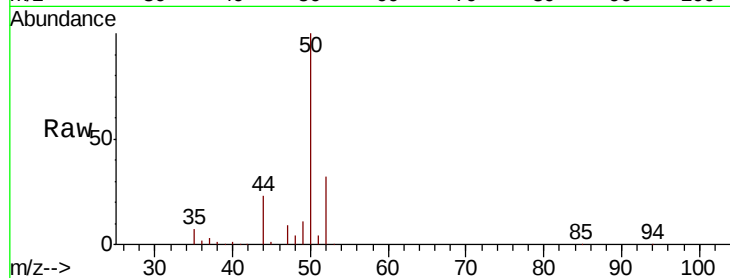
52 31.9 27.0 40.6

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

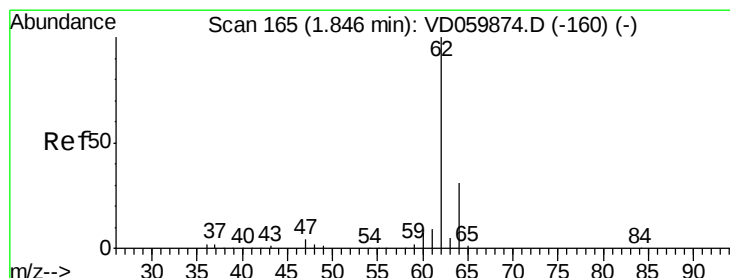
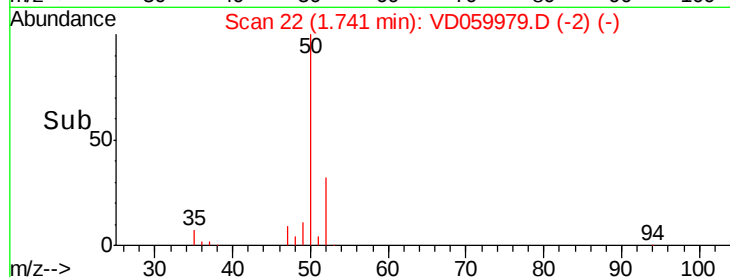
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD059979.D

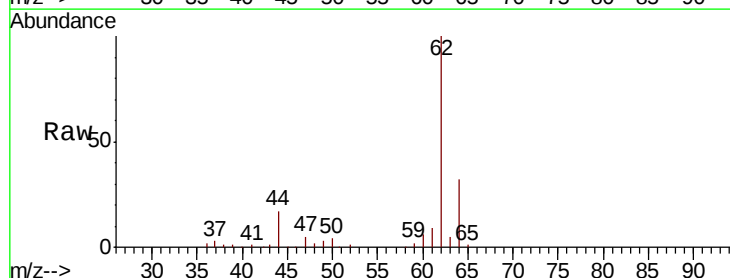
Acq: 6 Sep 2018 11:40

Tgt Ion: 62 Resp: 337262

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.83

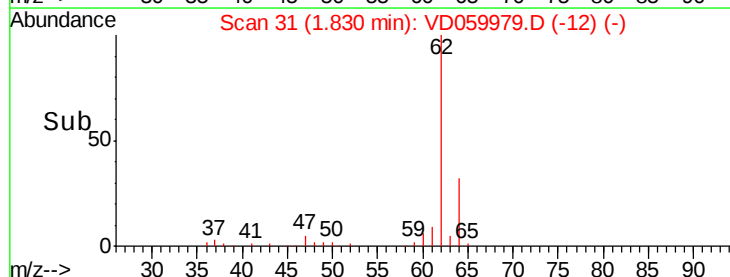
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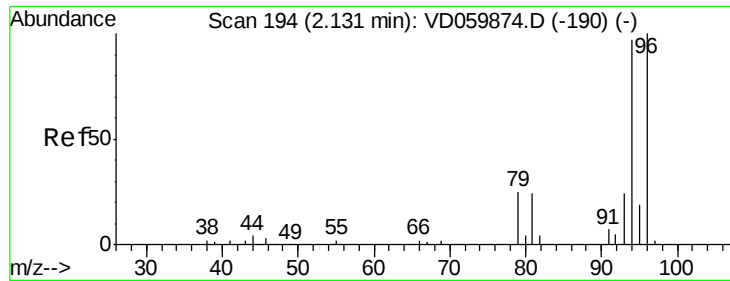
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50000

0

Time-->





#5

Bromomethane

Concen: 36.35 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50983

Ion Ratio Lower Upper

94 100

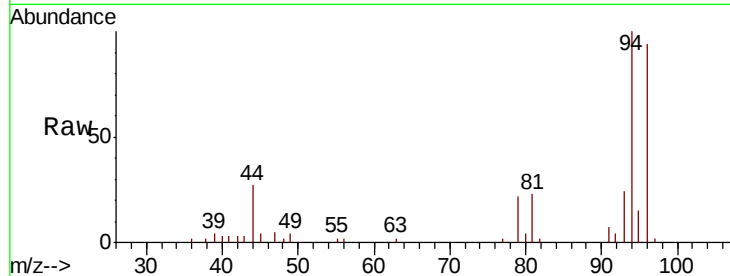
96 94.4 82.4 123.6

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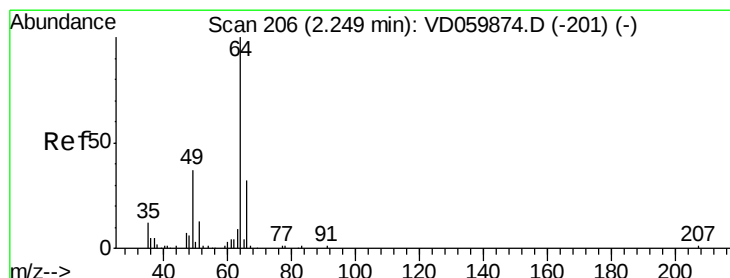
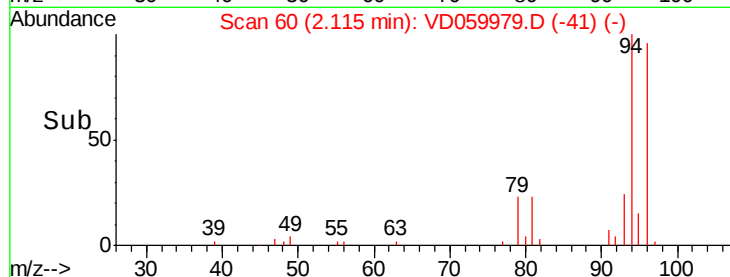
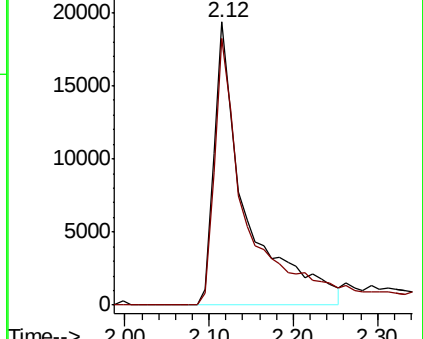
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 39.74 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD059979.D

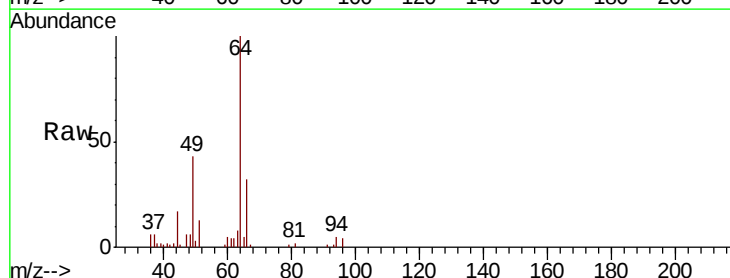
Acq: 6 Sep 2018 11:40

Tgt Ion: 64 Resp: 109873

Ion Ratio Lower Upper

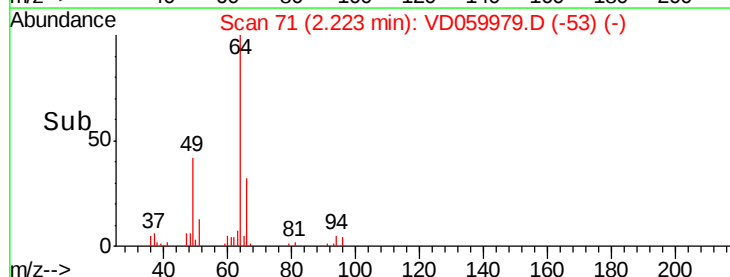
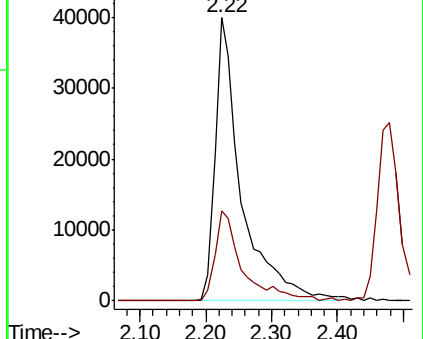
64 100

66 32.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 45.07 ug/l

RT: 2.48 min Scan# 97

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 423603

Ion Ratio Lower Upper

101 100

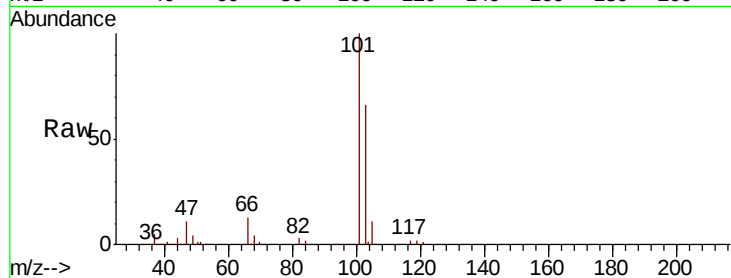
103 66.5 53.7 80.5

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

200000

150000

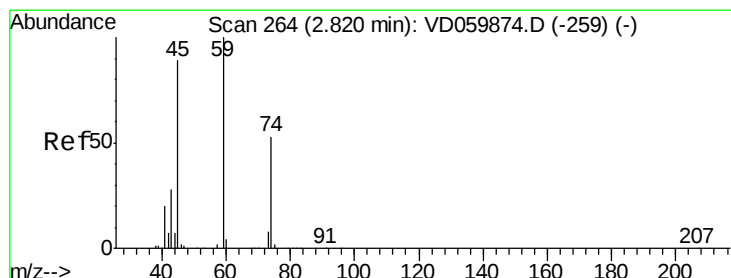
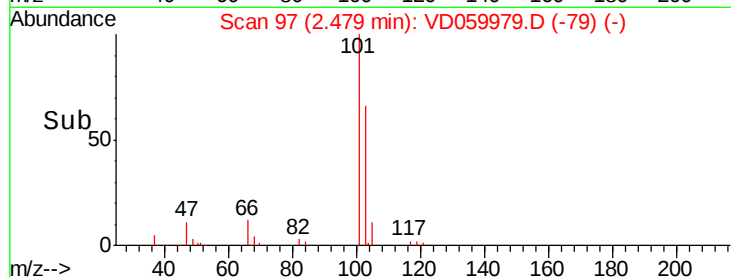
100000

50000

0

2.40 2.50 2.60 2.70

Time-->



#8

Diethyl Ether

Concen: 48.42 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.03 min

Lab File: VD059979.D

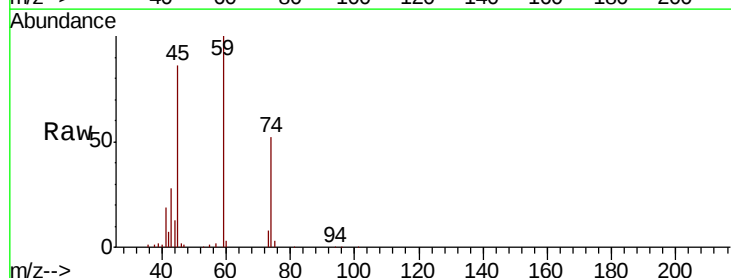
Acq: 6 Sep 2018 11:40

Tgt Ion: 74 Resp: 102093

Ion Ratio Lower Upper

74 100

45 165.0 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

80000

60000

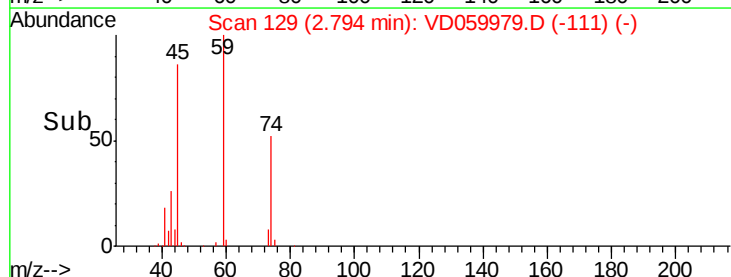
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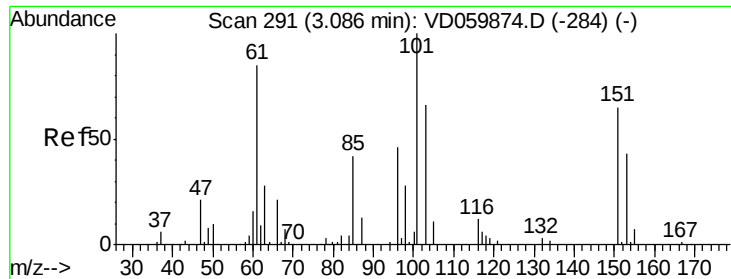
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0

2.70 2.80 2.90 3.00

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.72 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

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MSVOA_D

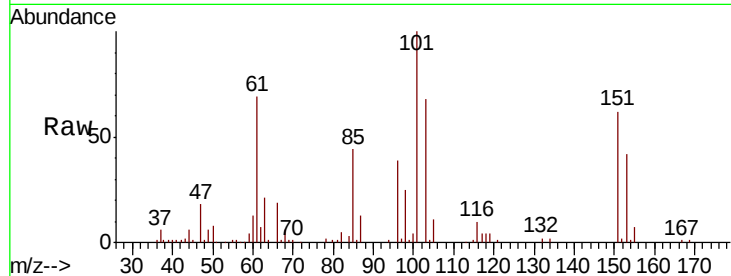
ClientSampleId :

VSTDCCC050

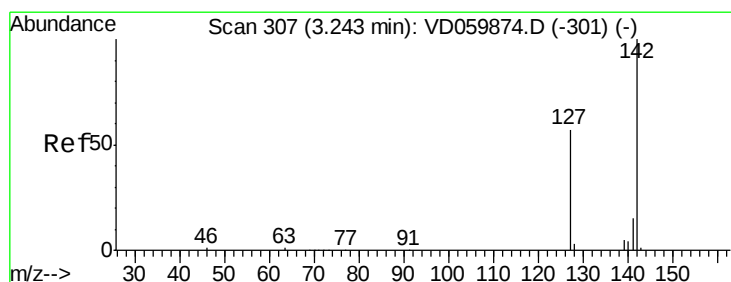
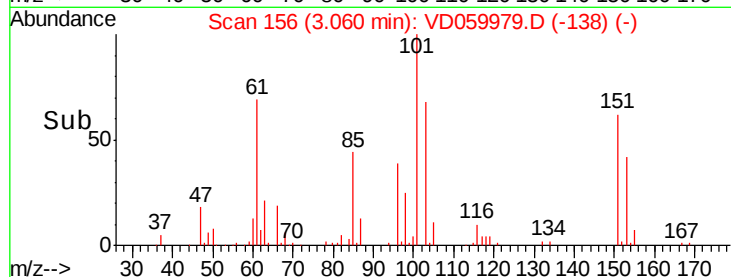
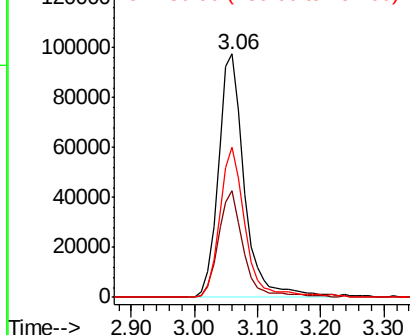
Tot Ion:	101	Resp:	280427
Ion Ratio	Lower	Upper	
101	100		
85	43.9	33.6	50.4
151	61.9	52.0	78.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.59 ug/l

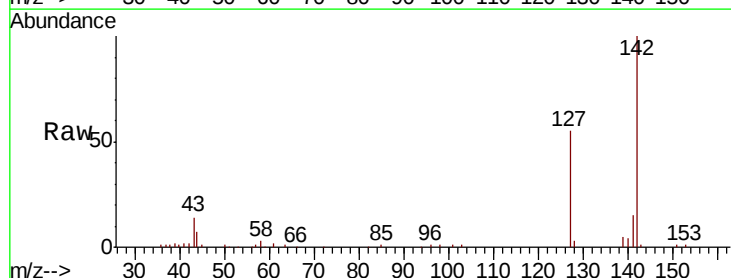
RT: 3.21 min Scan# 171

Delta R.T. -0.04 min

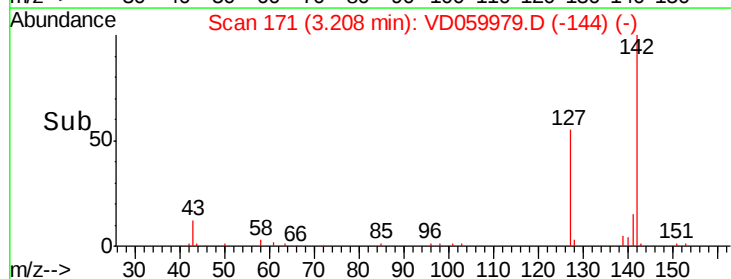
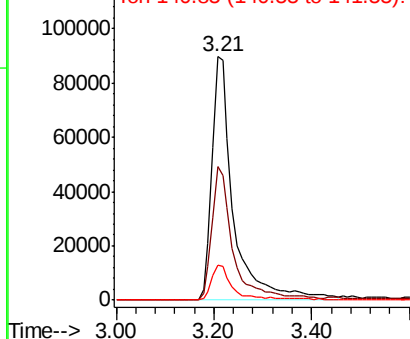
Lab File: VD059979.D

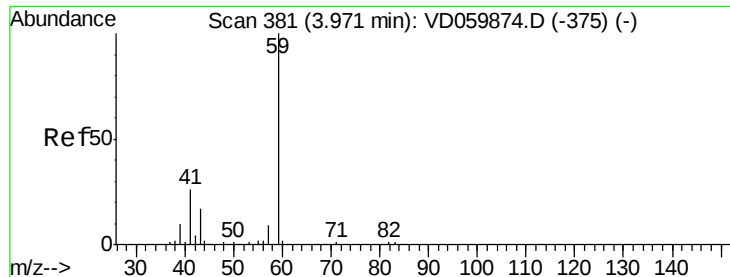
Acq: 6 Sep 2018 11:40

Tgt Ion:	142	Resp:	277507
Ion Ratio	Lower	Upper	
142	100		
127	54.9	45.8	68.6
141	14.5	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





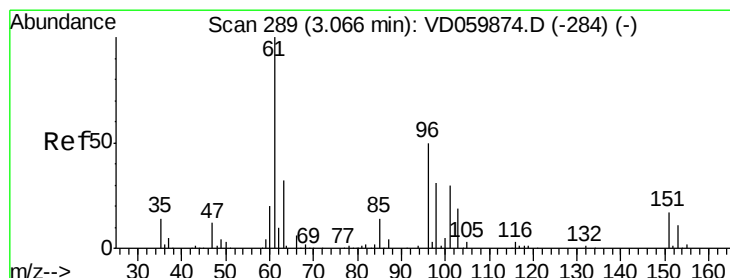
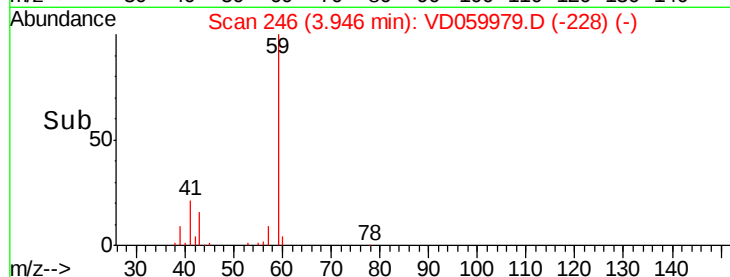
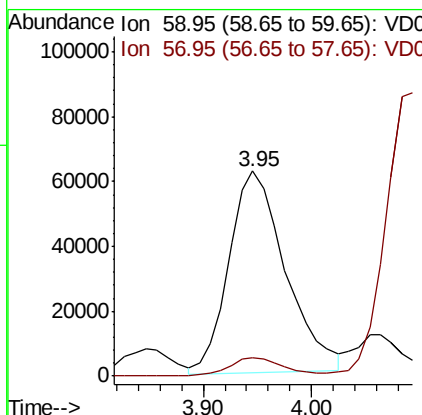
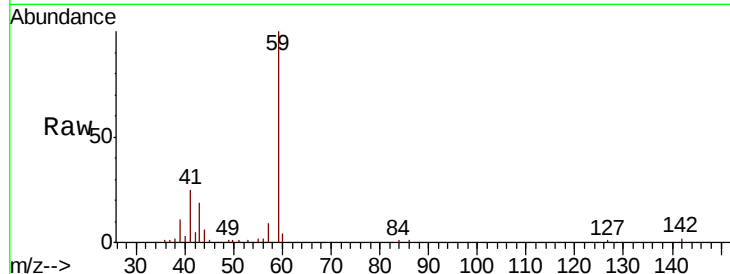
#11
Tert butyl alcohol
Concen: 275.43 ug/l
RT: 3.95 min Scan# 246
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 226626
Ion Ratio Lower Upper
59 100
57 9.3 7.4 11.0

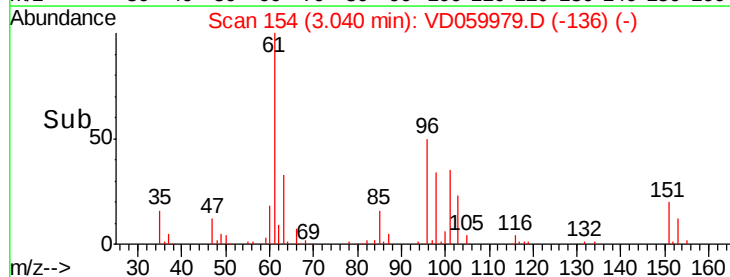
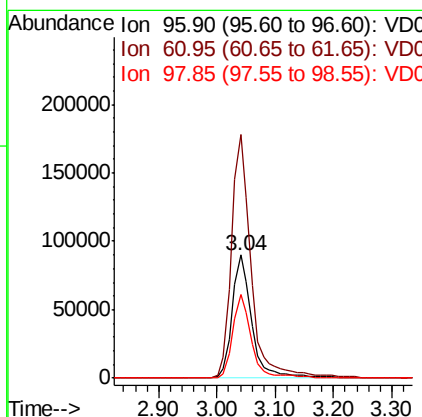
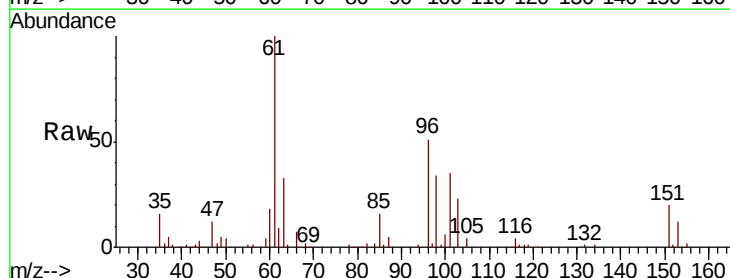
Manual Integrations
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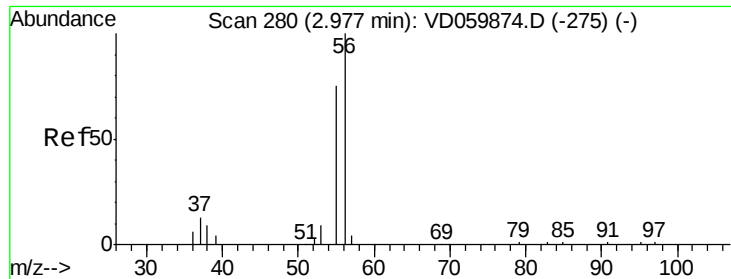
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#12
1,1-Dichloroethene
Concen: 47.45 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 96 Resp: 212610
Ion Ratio Lower Upper
96 100
61 197.9 158.8 238.2
98 67.7 48.7 73.1





#13

Acrolein

Concen: 238.01 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 84938

Ion Ratio Lower Upper

56 100

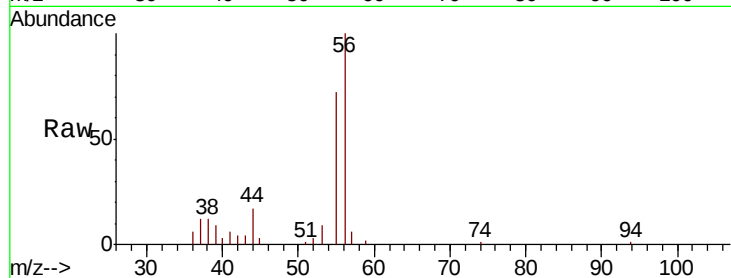
55 72.3 61.9 92.9

Manual Integrations

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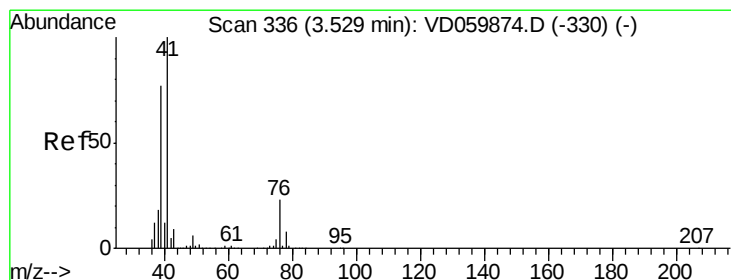
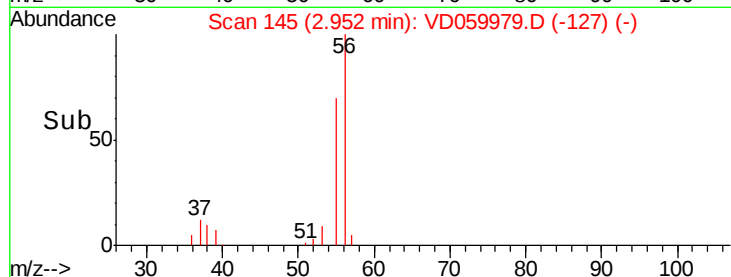
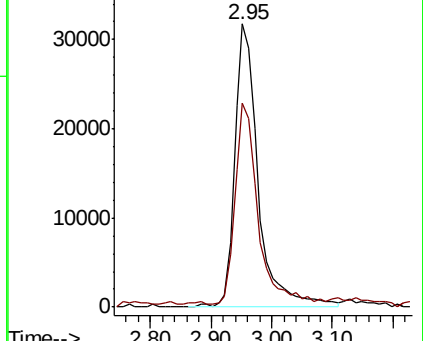
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.24 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

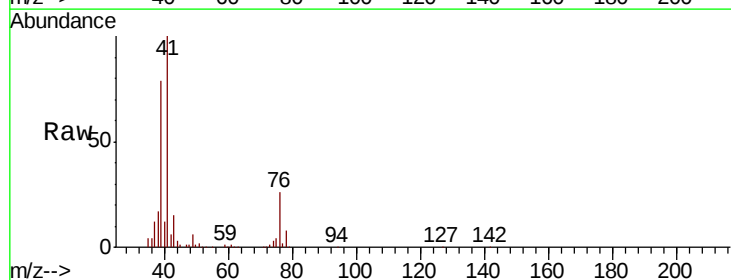
Tgt Ion: 41 Resp: 509288

Ion Ratio Lower Upper

41 100

39 78.6 61.8 92.6

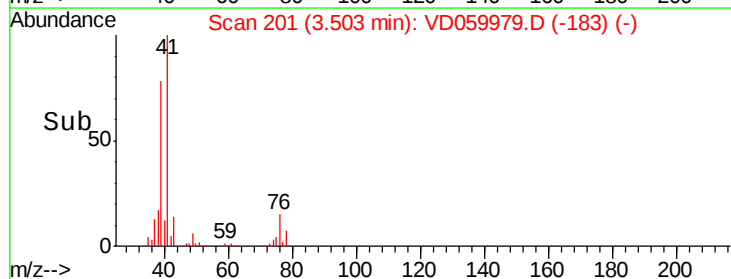
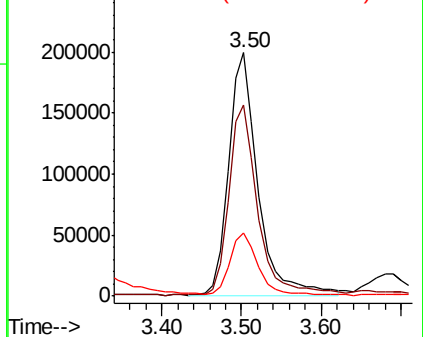
76 25.9 19.4 29.2

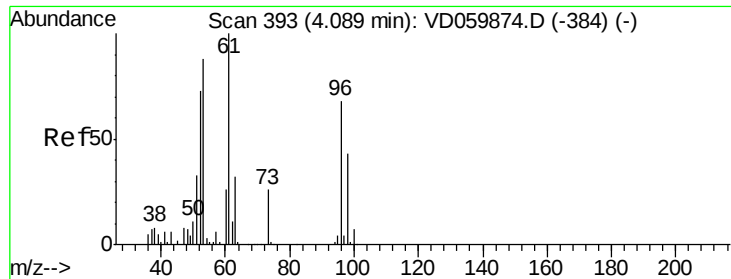


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 264.39 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

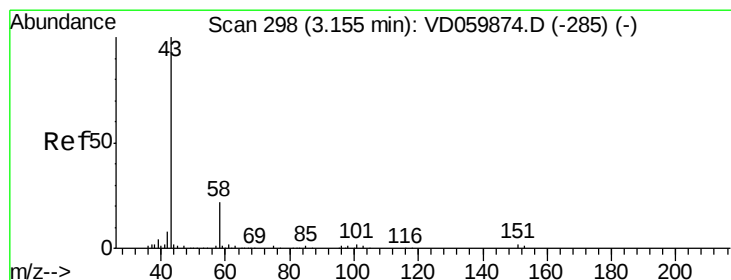
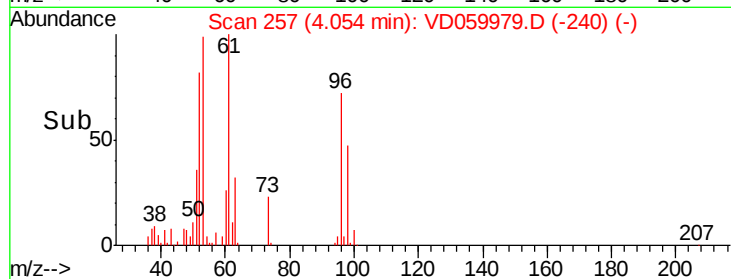
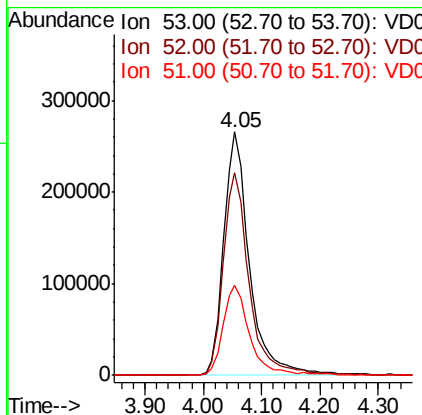
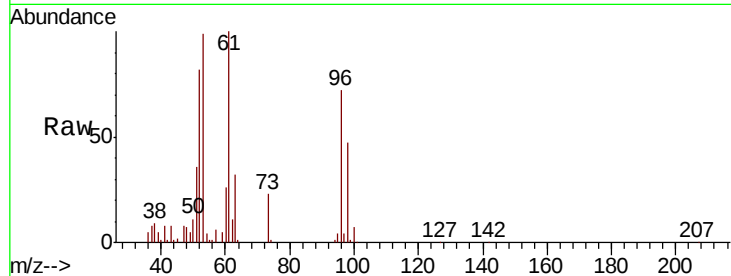
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	814630
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	36.8	30.3	45.5

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#16

Acetone

Concen: 295.92 ug/l

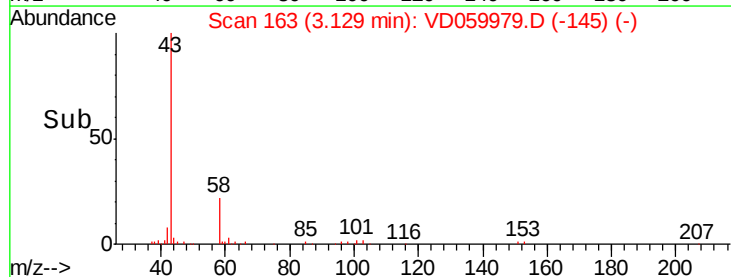
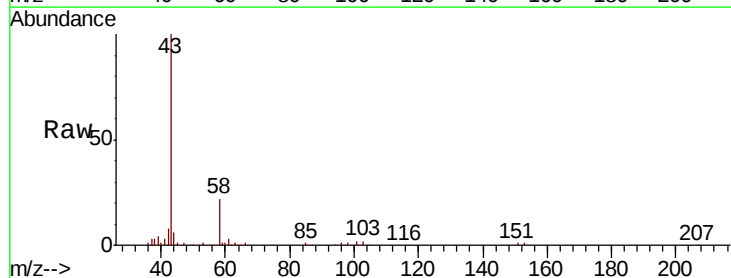
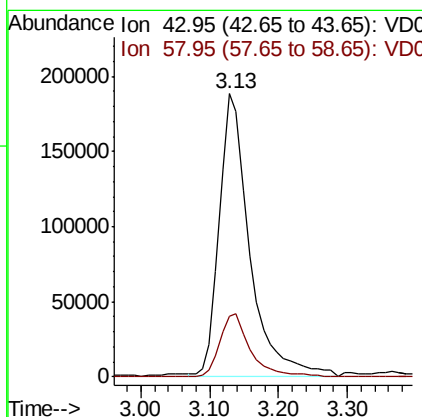
RT: 3.13 min Scan# 163

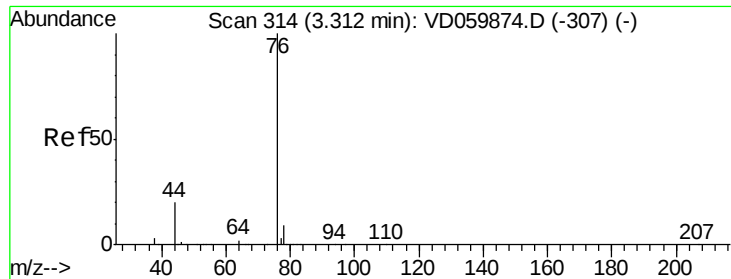
Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	43	Resp:	581381
Ion	Ratio	Lower	Upper
43	100		
58	21.6	17.6	26.4





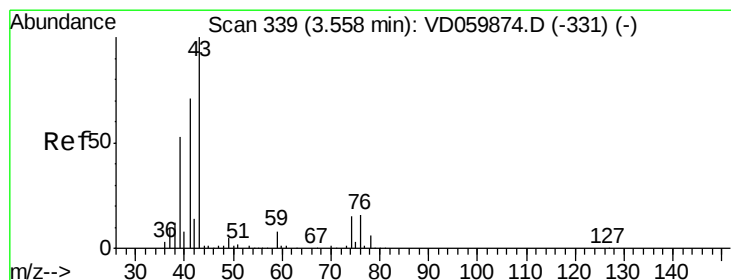
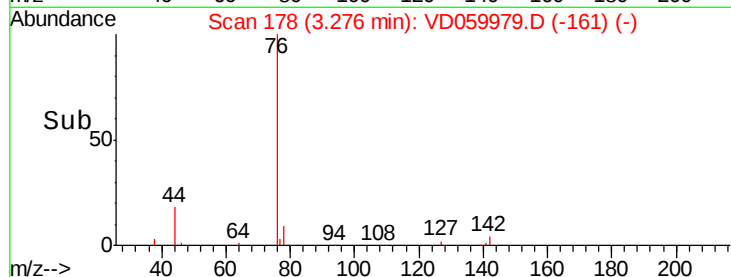
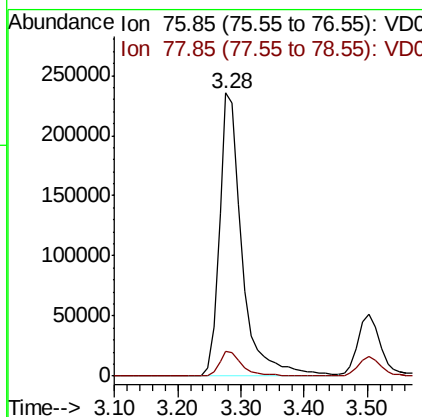
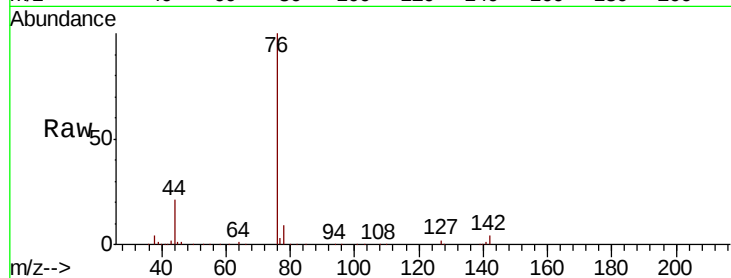
#17
Carbon Disulfide
Concen: 42.32 ug/l
RT: 3.28 min Scan# 178
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

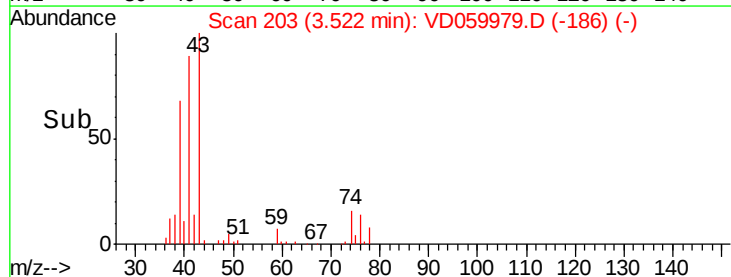
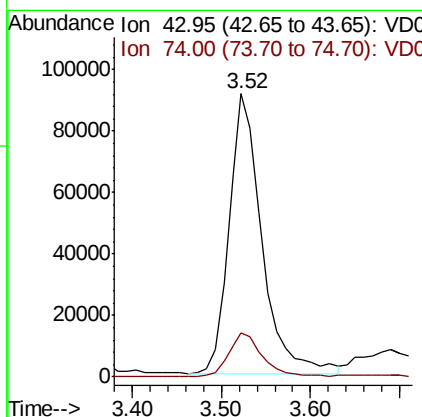
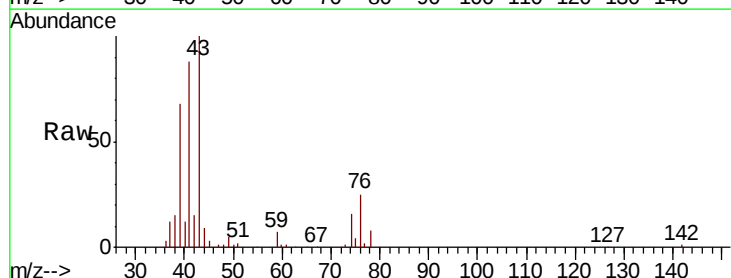
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#18
Methyl Acetate
Concen: 56.79 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	11.2	16.8





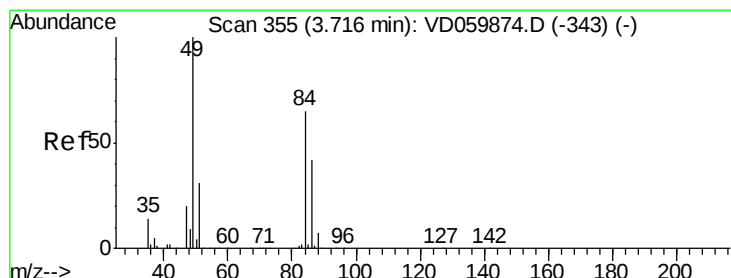
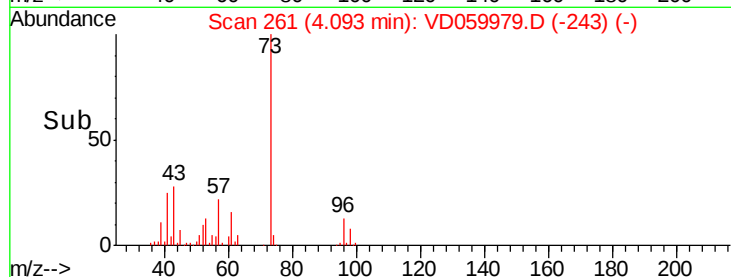
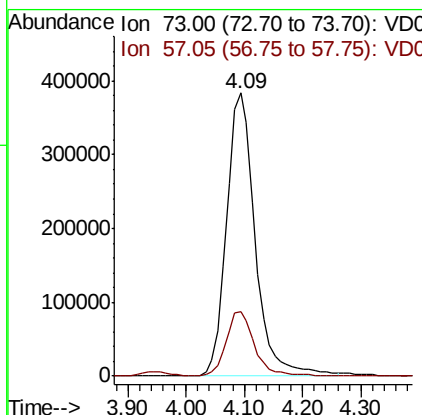
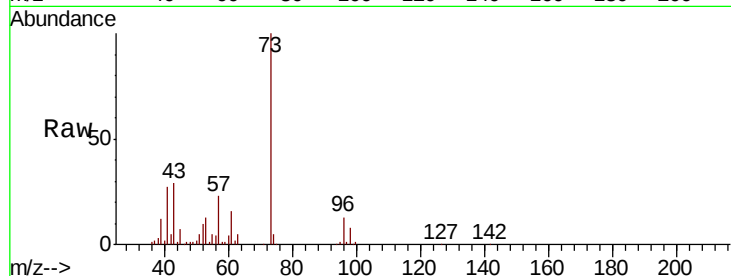
#19
Methvl tert-butvl Ether
Concen: 51.49 ug/l
RT: 4.09 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1305062
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

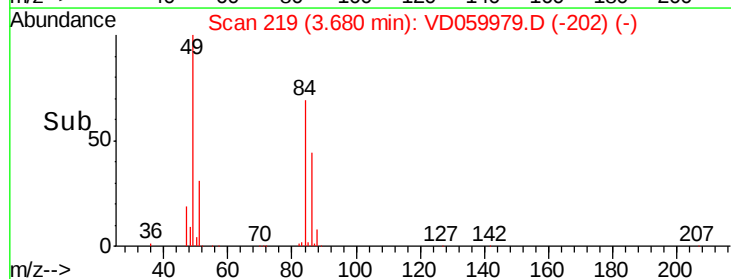
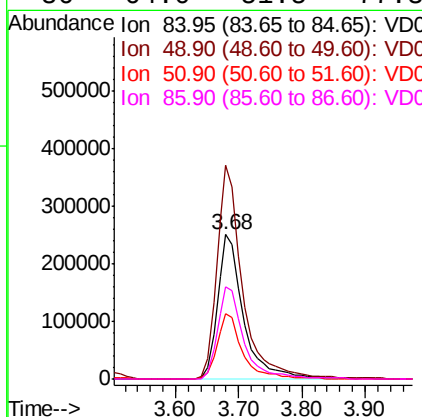
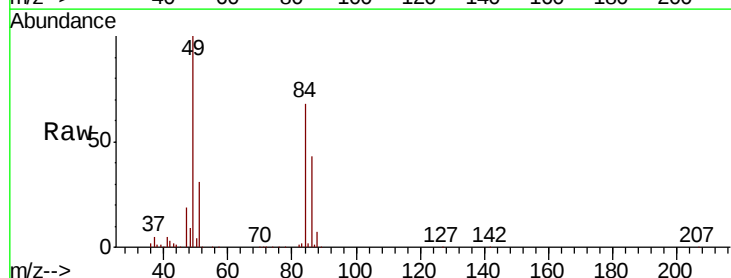
Manual Integrations
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#20
Methylene Chloride
Concen: 55.07 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 84 Resp: 717115
Ion Ratio Lower Upper
84 100
49 148.0 122.6 183.8
51 45.4 38.4 57.6
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.03 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

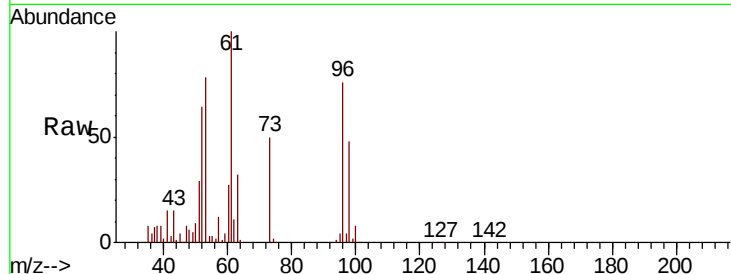
ClientSampleId :

VSTDCCC050

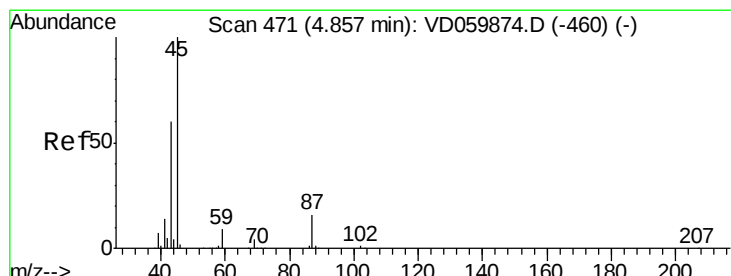
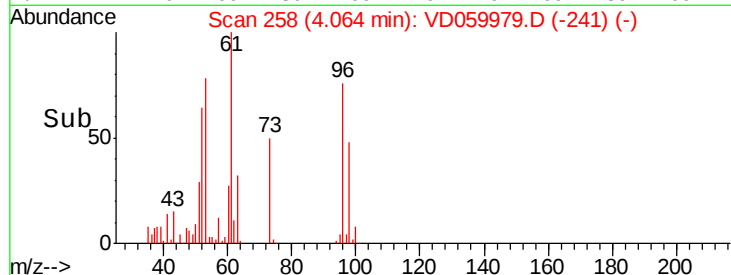
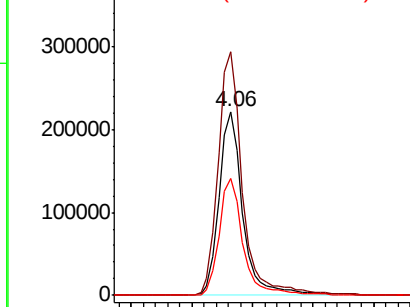
Tot Ion:	96	Resp:	605237
Ion	Ratio	Lower	Upper
96	100		
61	132.4	110.2	165.4
98	63.7	50.9	76.3

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.49 ug/l

RT: 4.82 min Scan# 335

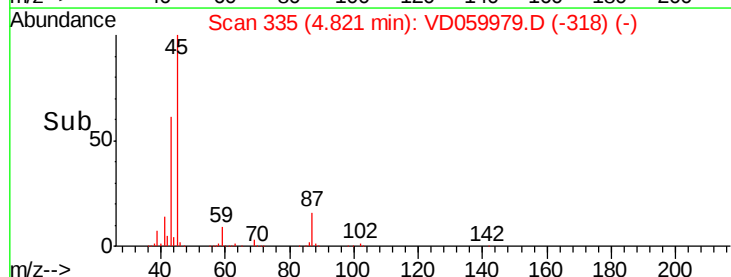
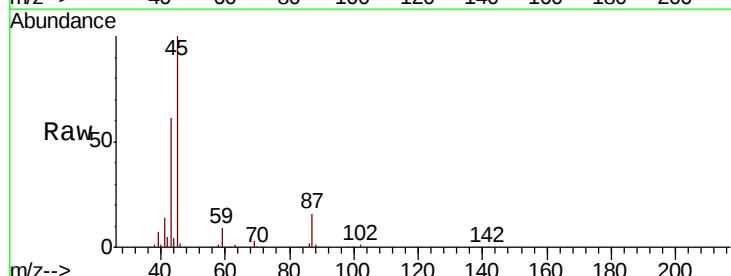
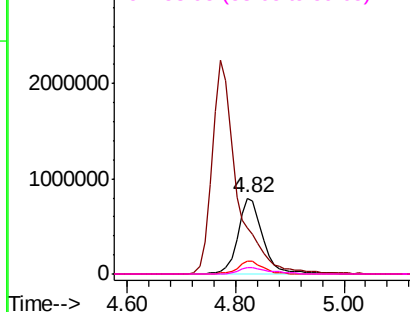
Delta R.T. -0.04 min

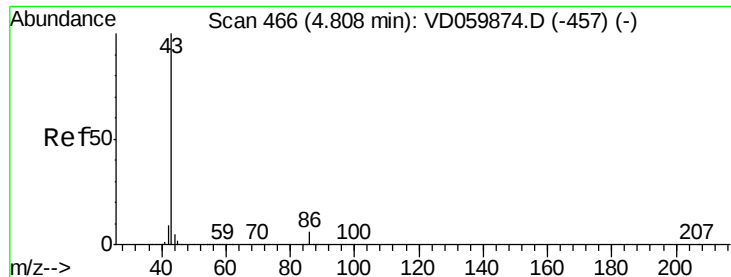
Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	45	Resp:	2558656
Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.6	72.8
87	16.3	13.3	19.9
59	8.6	7.1	10.7

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 246.86 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 7134092

Ion Ratio Lower Upper

43 100

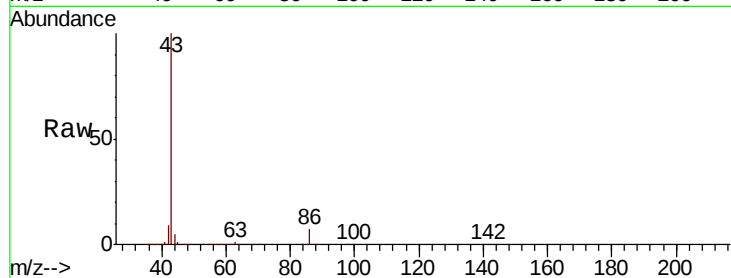
86 6.6 5.0 7.6

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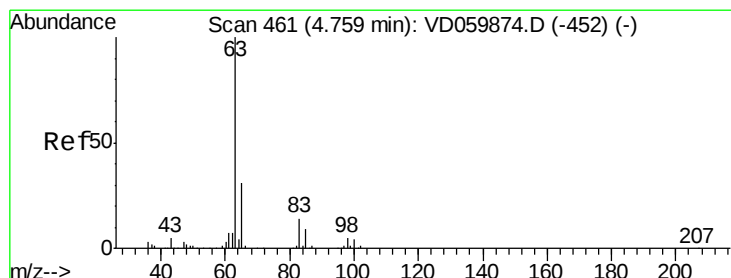
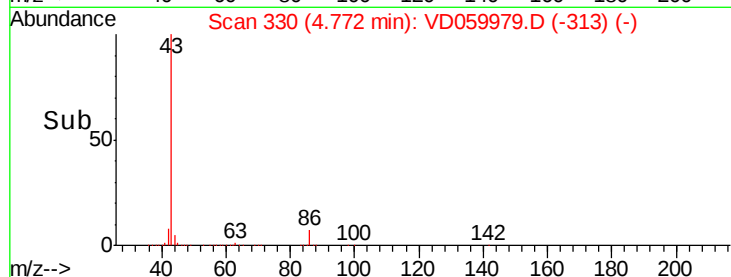
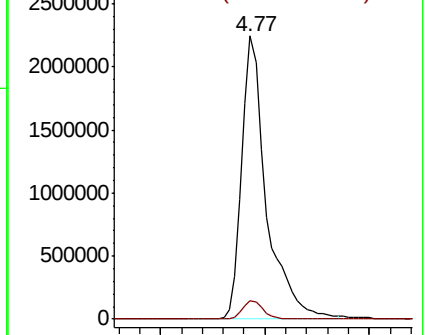
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.44 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

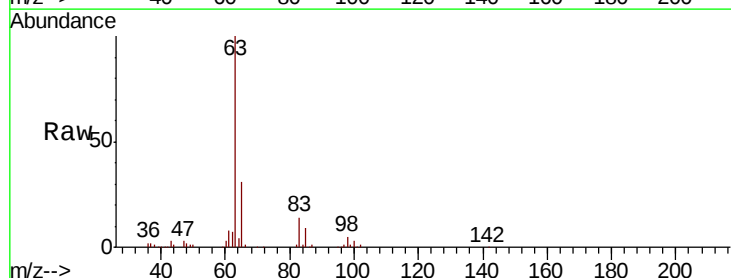
Tgt Ion: 63 Resp: 1104188

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

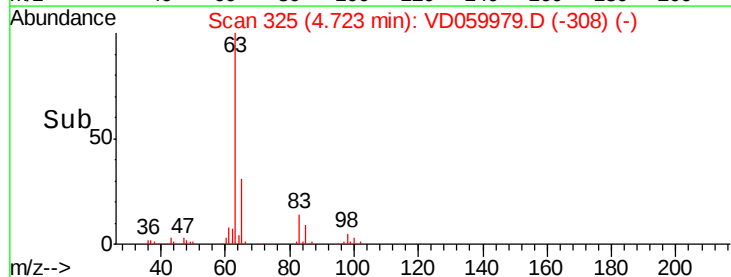
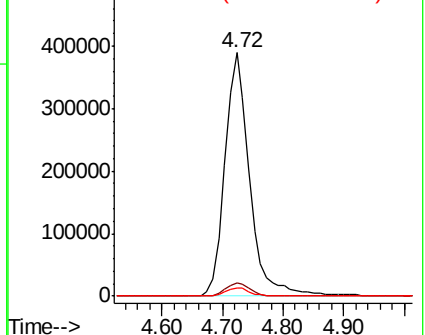
100 3.4 1.8 5.3

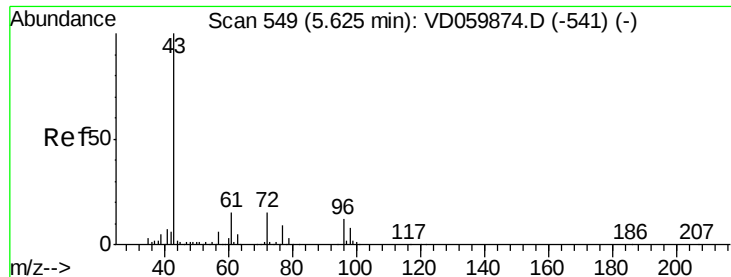


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 267.24 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1554962

Ion Ratio Lower Upper

43 100

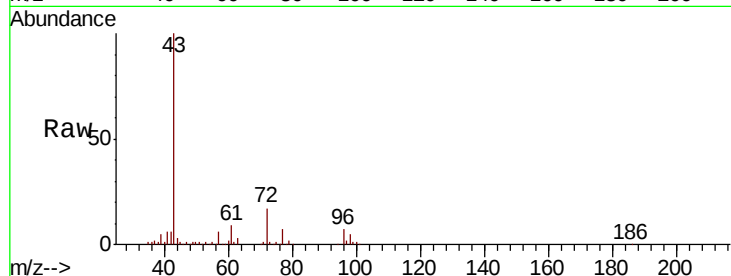
72 17.4 12.3 18.5

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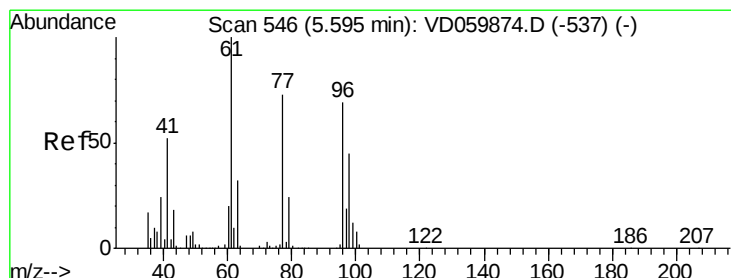
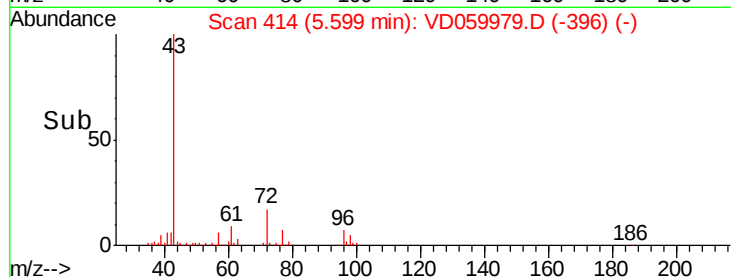
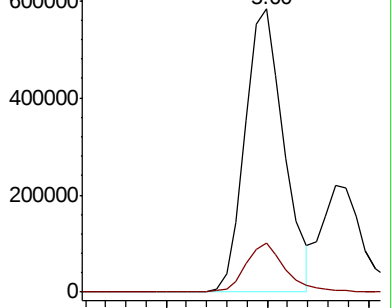
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.10 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.04 min

Lab File: VD059979.D

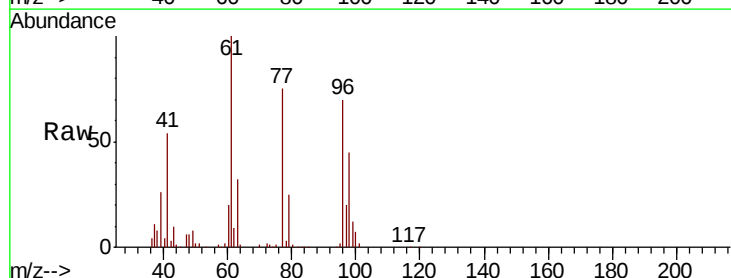
Acq: 6 Sep 2018 11:40

Tgt Ion: 77 Resp: 879290

Ion Ratio Lower Upper

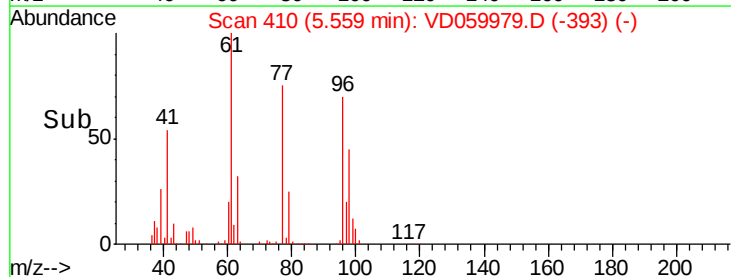
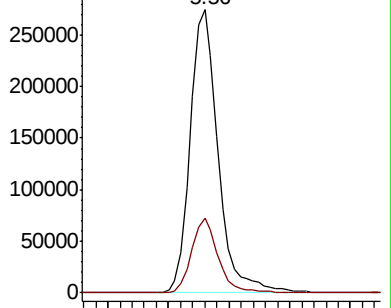
77 100

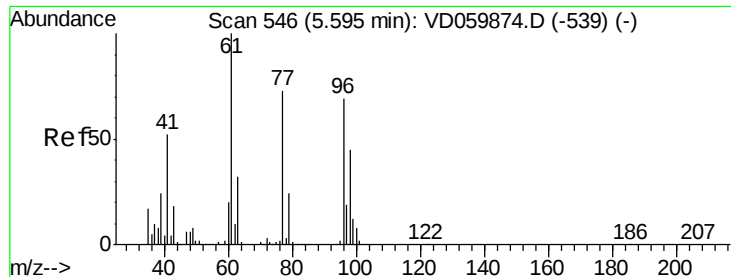
97 26.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

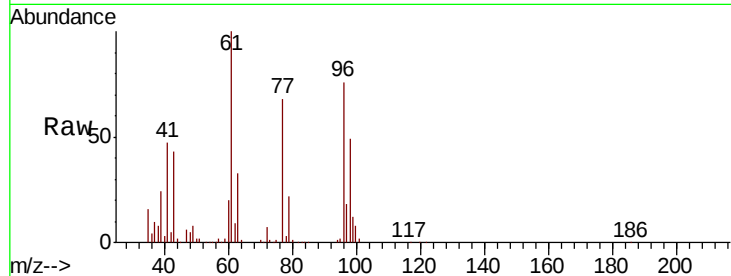
cis-1,2-Dichloroethene
 Concen: 51.70 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

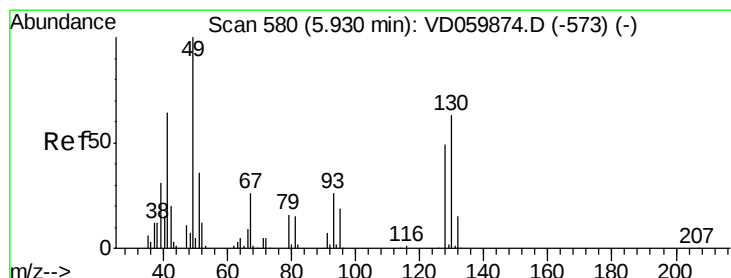
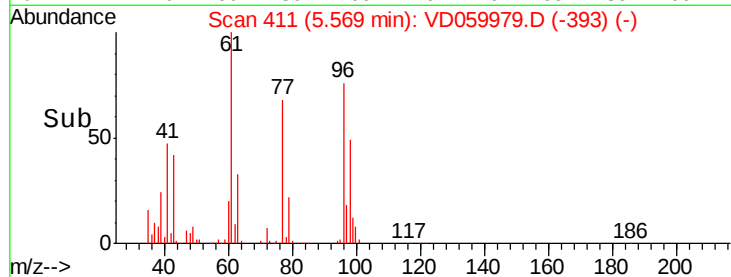
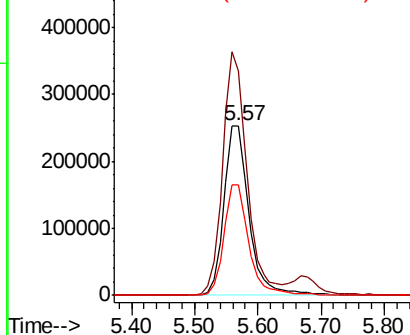
Tot Ion	Ratio	Resp	Lower	Upper
96	100	698761		
61	132.4	0.0	290.2	
98	64.8	0.0	130.4	

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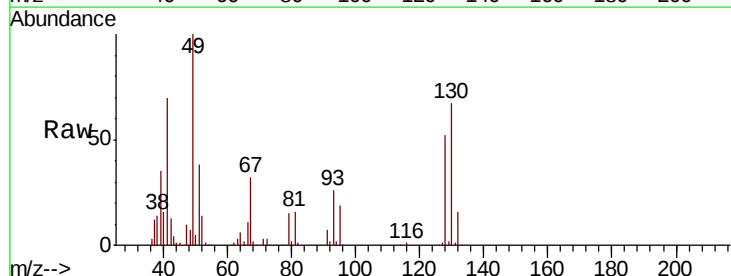
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



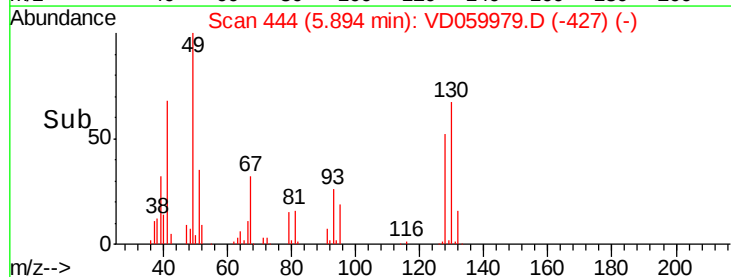
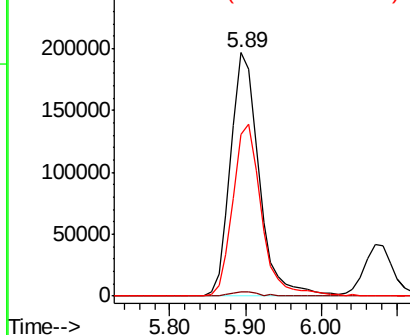
#28

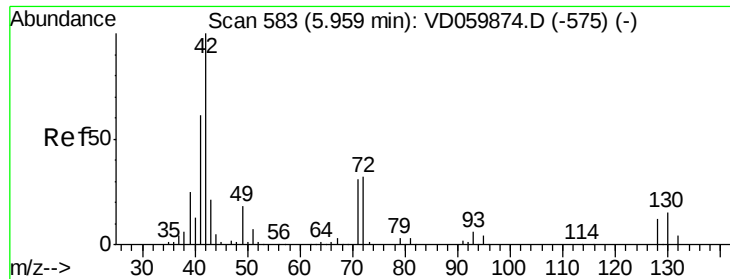
Bromochloromethane
 Concen: 47.91 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	512775		
129	1.6	0.0	3.2	
130	66.7	50.6	75.8	



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





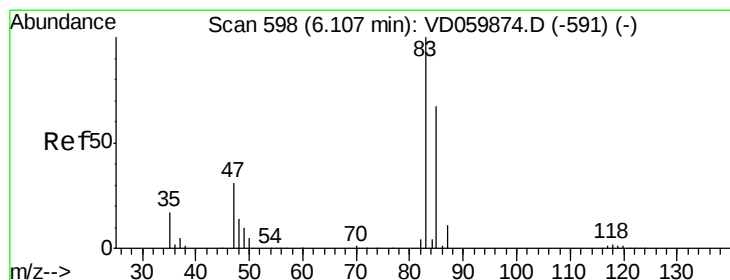
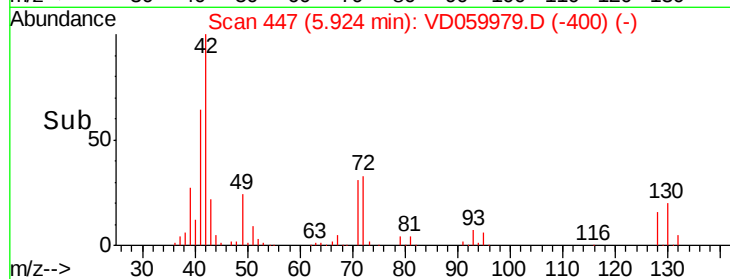
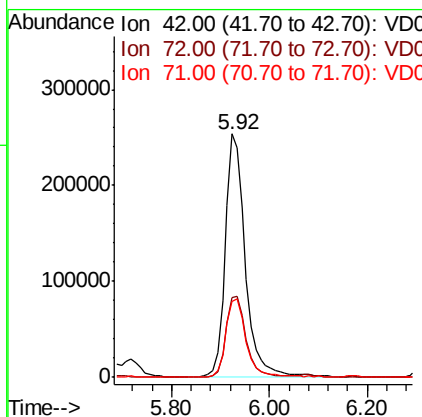
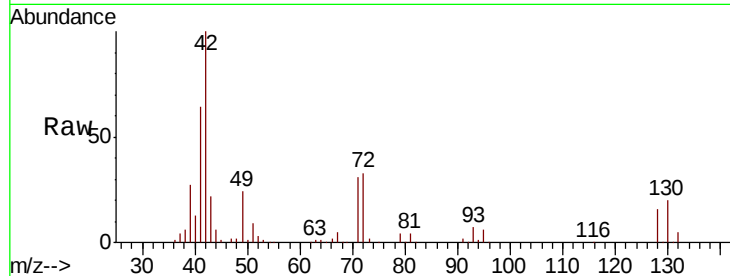
#29
Tetrahydrofuran
Concen: 259.38 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	25.7	38.5
71	32.9	25.3	37.9

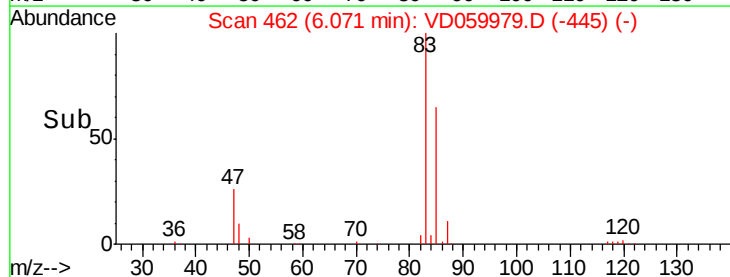
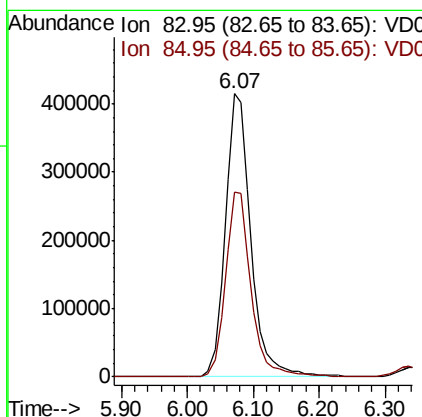
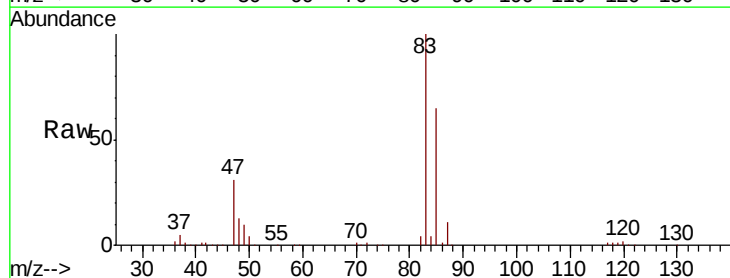
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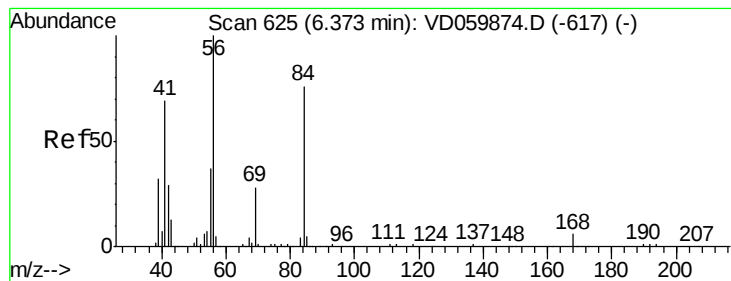
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#30
Chloroform
Concen: 49.44 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3





#31

Cvclohexane

Concen: 42.83 ug/l

RT: 6.34 min Scan# 489

Delta R.T. -0.04 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

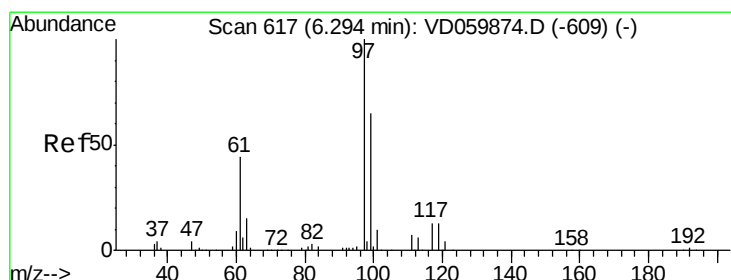
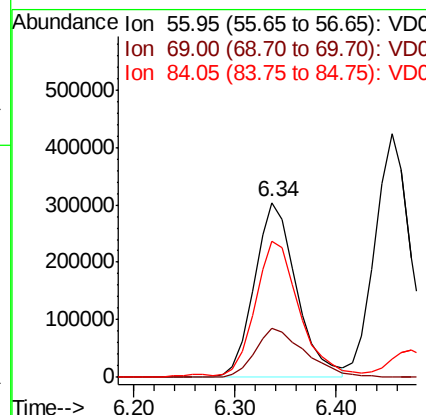
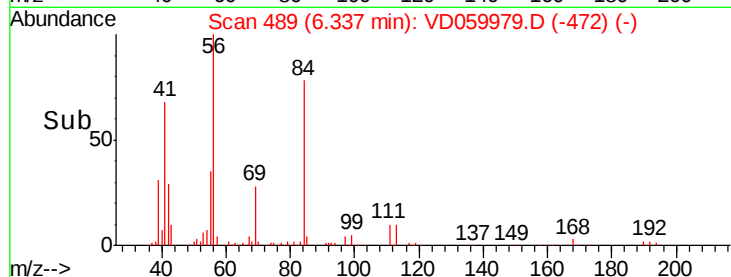
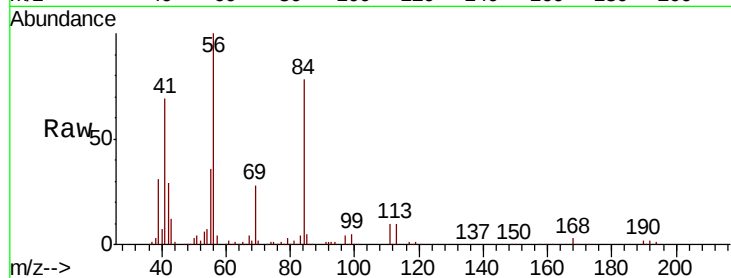
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	879465
Ion	Ratio	Lower	Upper
56	100		
69	27.9	22.4	33.6
84	78.0	62.1	93.1

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#32

1,1,1-Trichloroethane

Concen: 46.86 ug/l

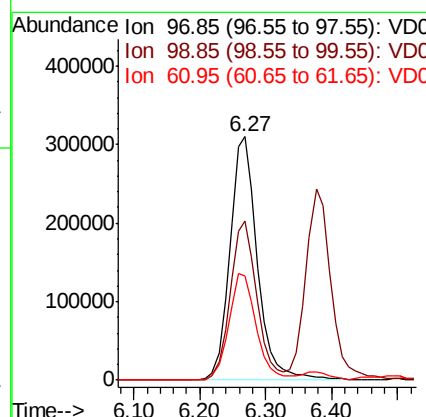
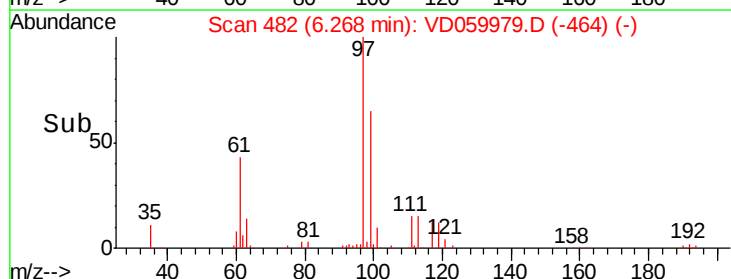
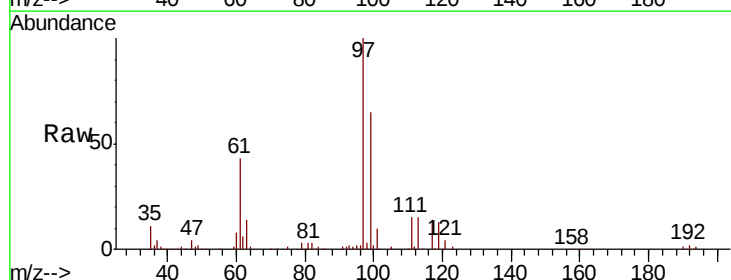
RT: 6.27 min Scan# 482

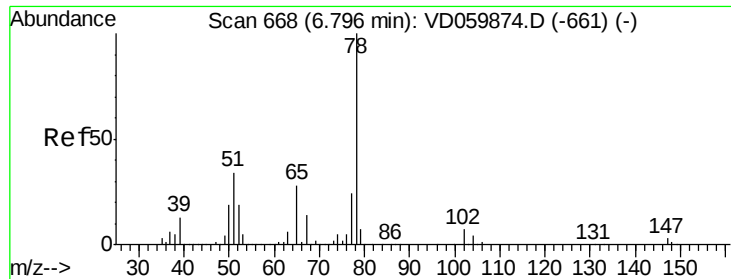
Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	97	Resp:	902643
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	42.7	35.4	53.2





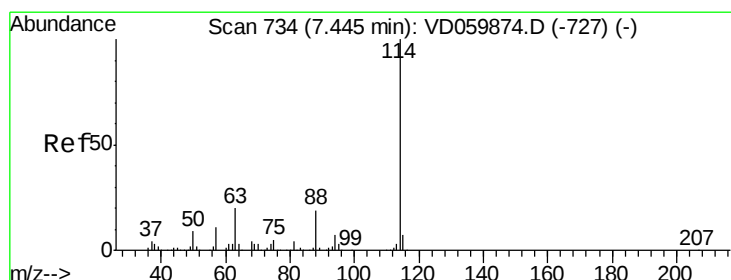
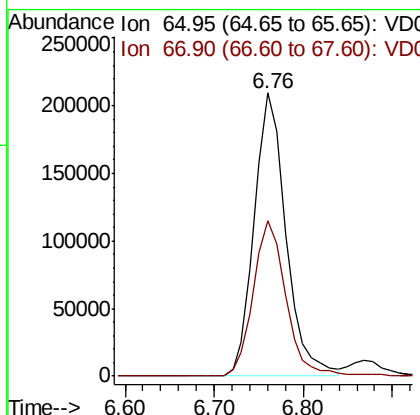
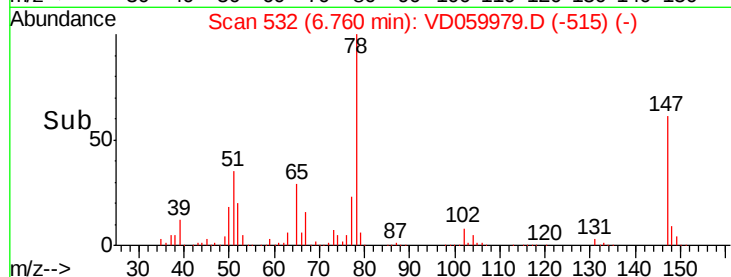
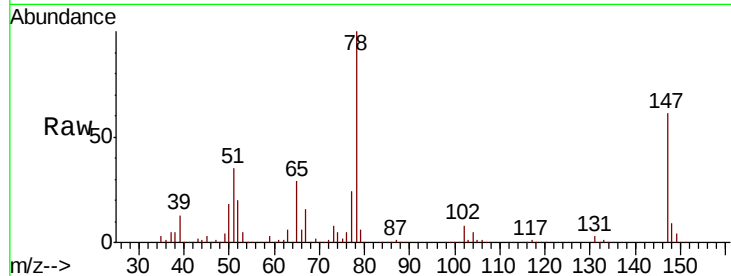
#33
 1,2-Dichloroethane-d4
 Concen: 46.86 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	103.8	

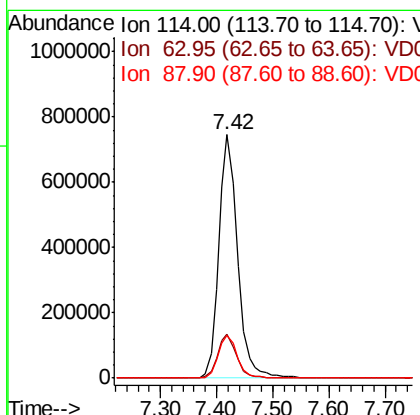
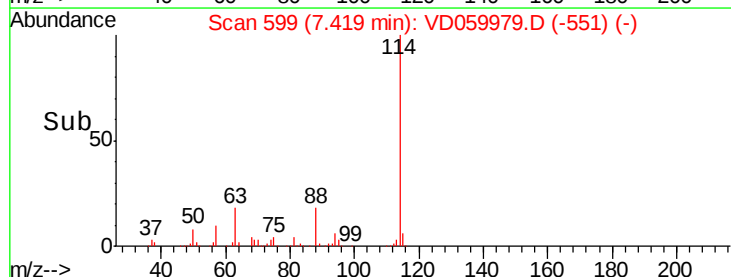
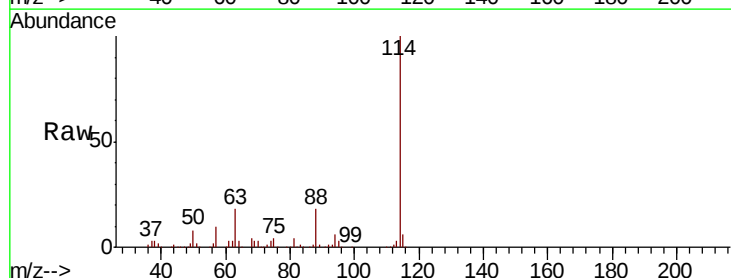
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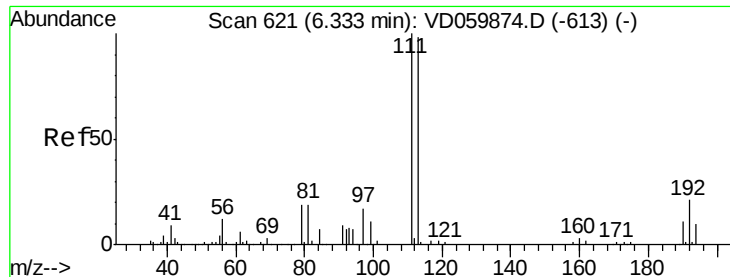
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	39.4	
88	17.8	0.0	37.6	





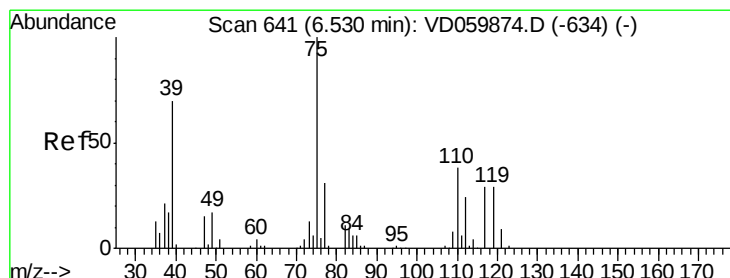
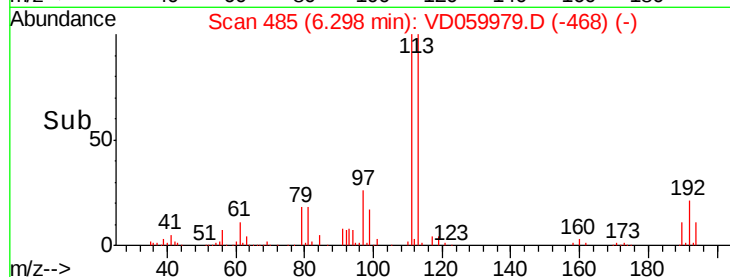
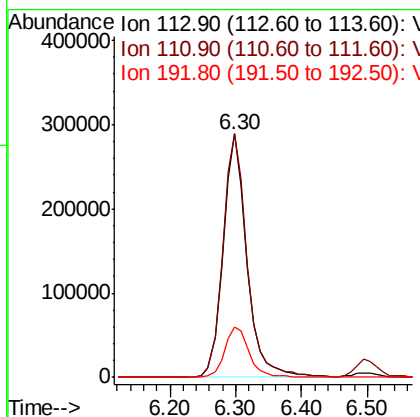
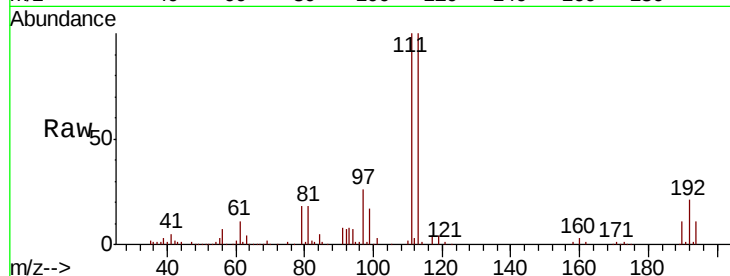
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	725273		
111	100.1	81.4	122.2	
192	20.9	17.0	25.6	

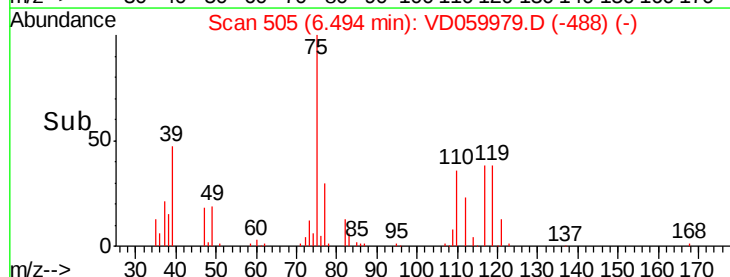
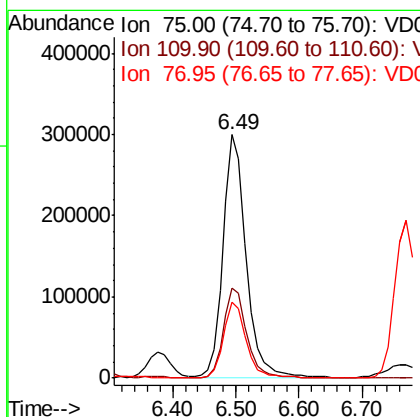
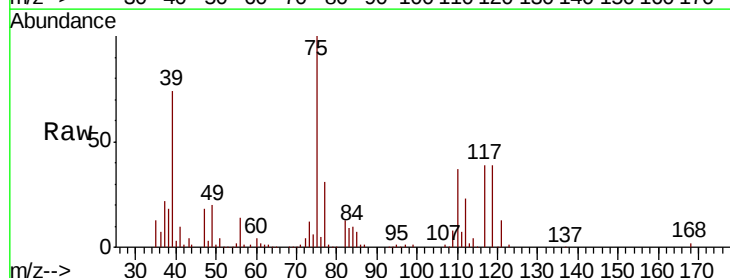
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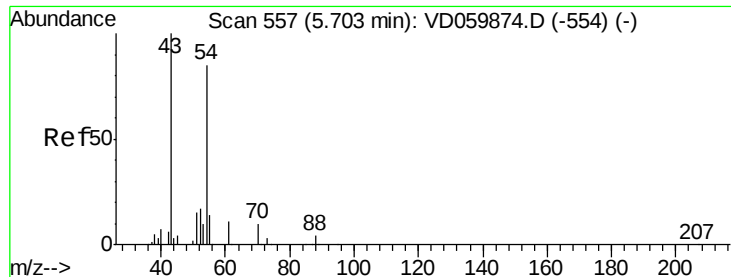
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#36
 1,1-Dichloropropene
 Concen: 48.06 ug/l
 RT: 6.49 min Scan# 505
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	759503		
110	36.8	18.6	56.0	
77	30.9	25.1	37.7	





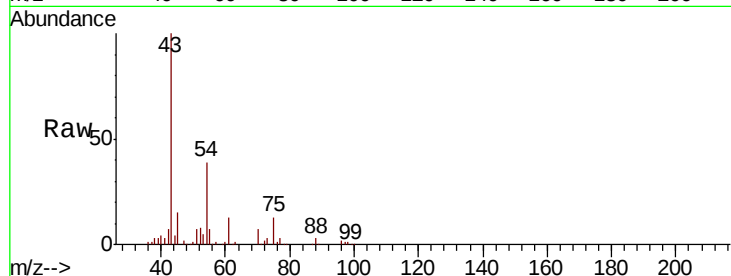
#37
Ethyl Acetate
Concen: 51.80 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.6
70	7.1	5.7	8.5

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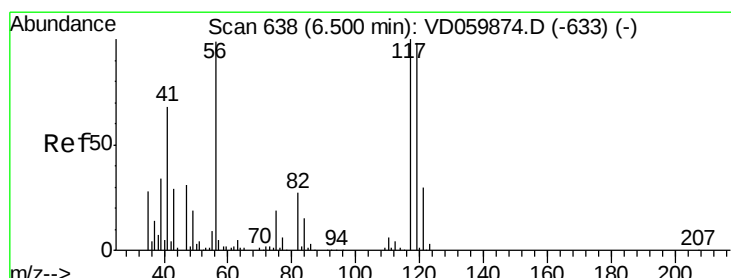
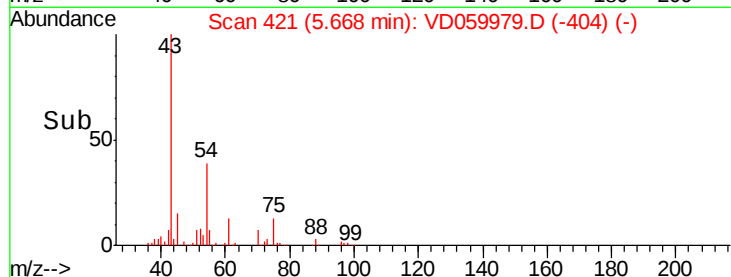
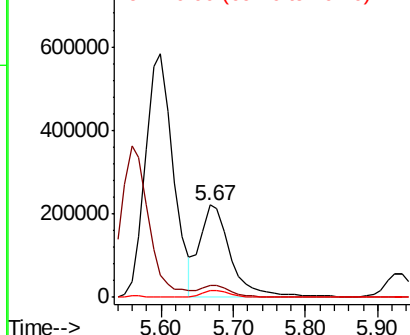


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 46.99 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

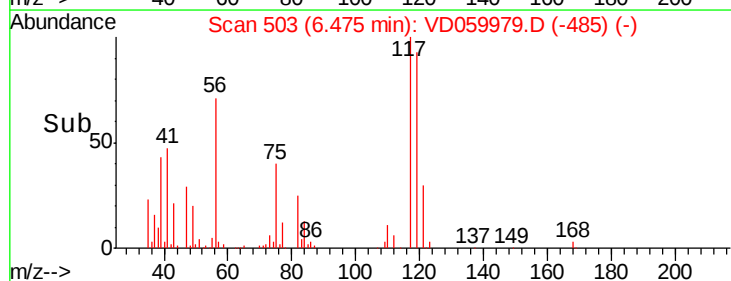
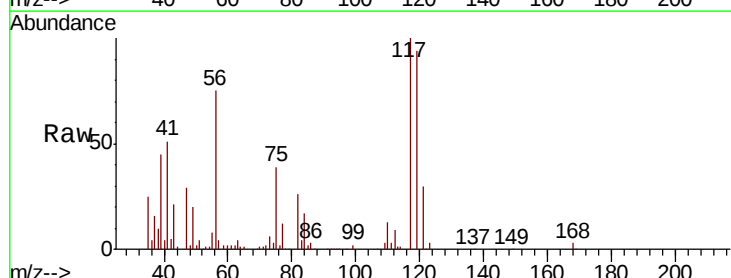
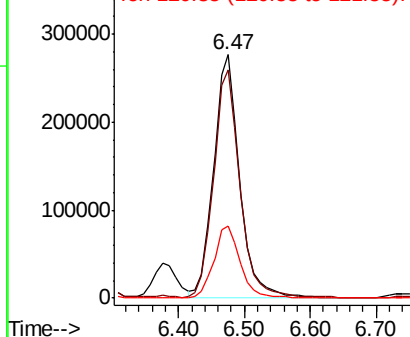
Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.2	115.8
121	29.8	24.0	36.0

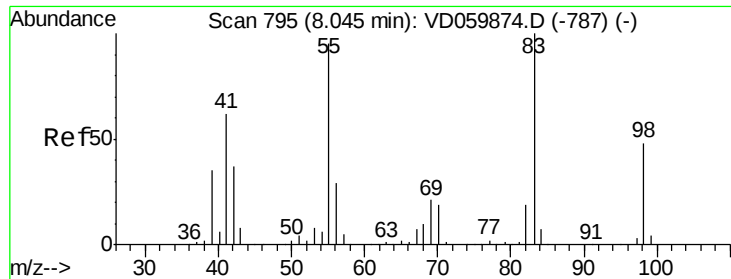
Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





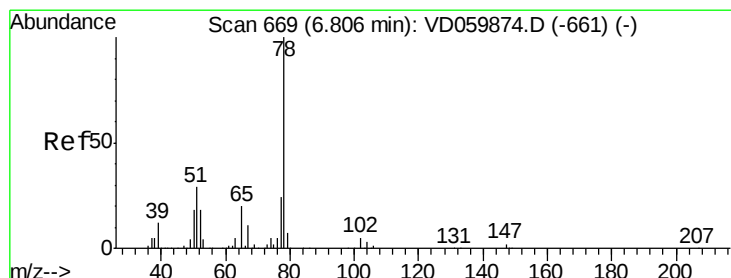
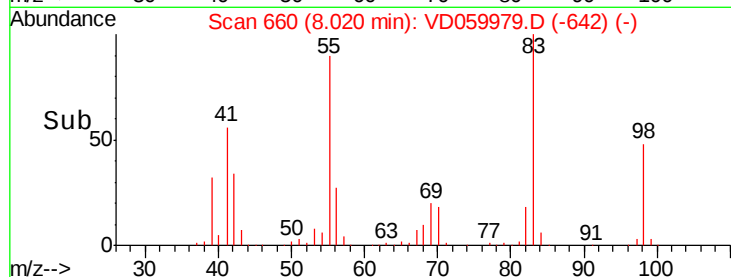
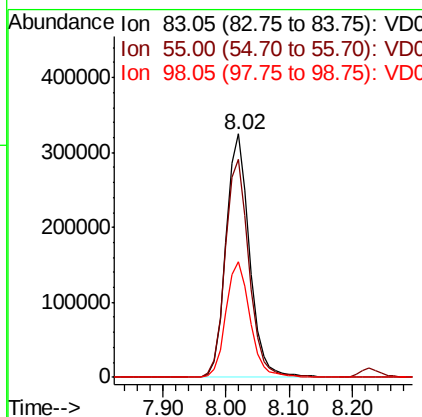
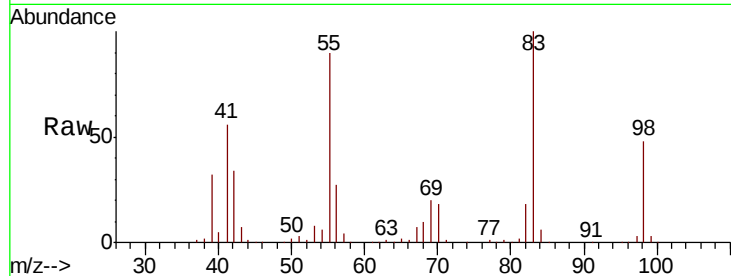
#39
Methvlcvclohexane
Concen: 49.06 ug/l
RT: 8.02 min Scan# 660
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	837710
Ion Ratio	100	Lower	Upper
83	100		
55	89.6	75.8	113.6
98	47.7	38.3	57.5

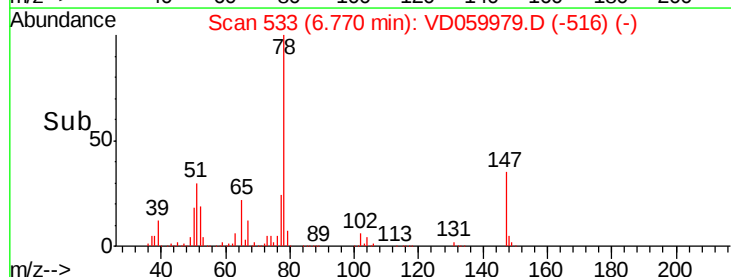
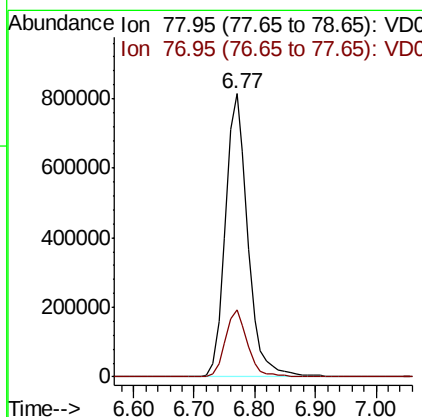
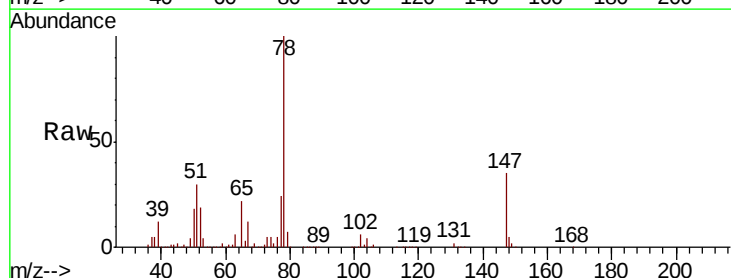
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#40
Benzene
Concen: 51.03 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	78	Resp	2096785
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 48.73 ug/l m

RT: 5.89 min Scan# 444

Delta R.T. -0.05 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 301885

Ion Ratio Lower Upper

41 100

39 49.5 39.4 59.2

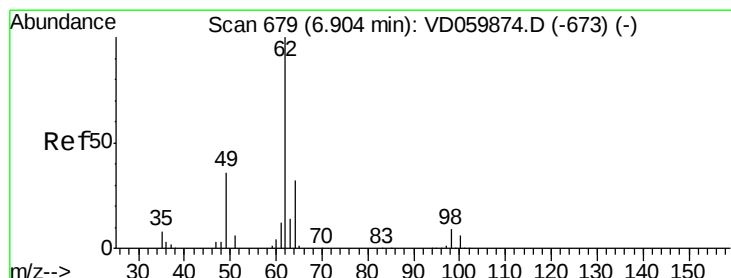
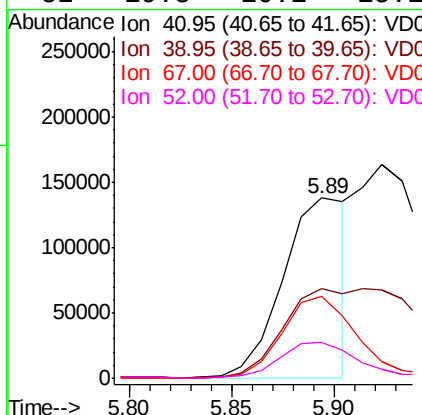
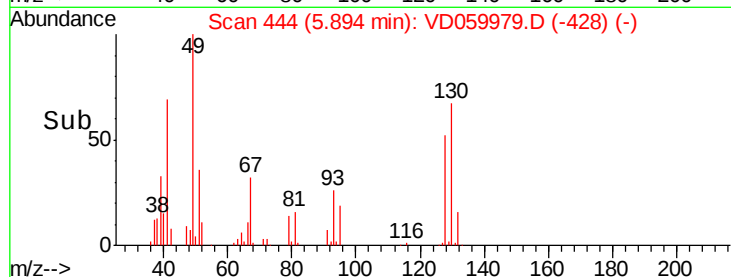
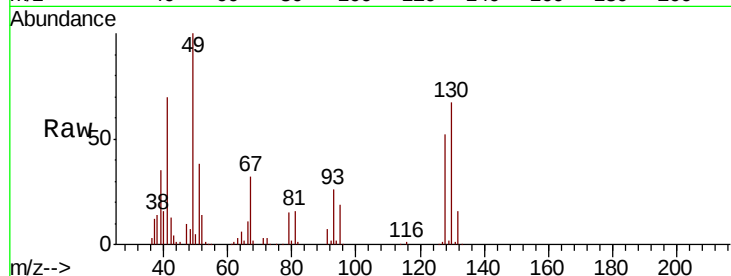
67 45.5 22.2 33.2#

52 19.8 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 49.50 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.04 min

Lab File: VD059979.D

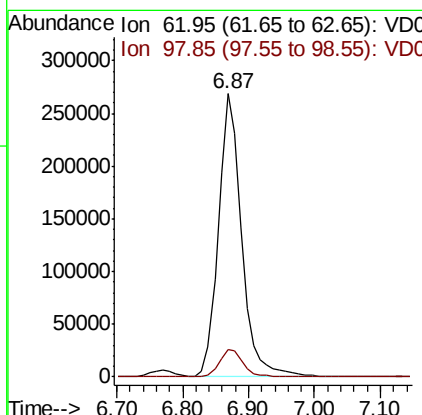
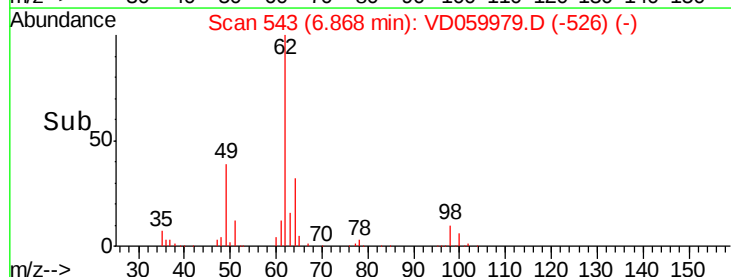
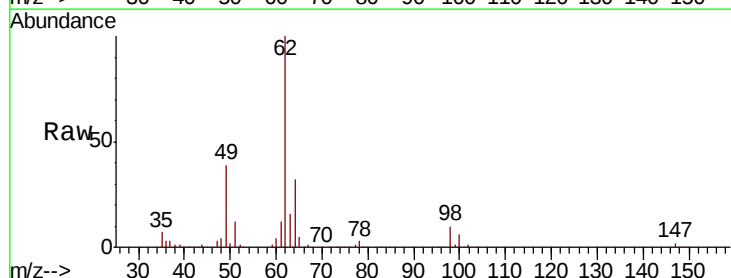
Acq: 6 Sep 2018 11:40

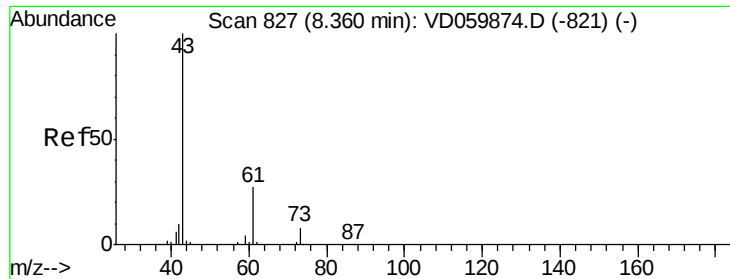
Tgt Ion: 62 Resp: 653003

Ion Ratio Lower Upper

62 100

98 9.8 0.0 18.4





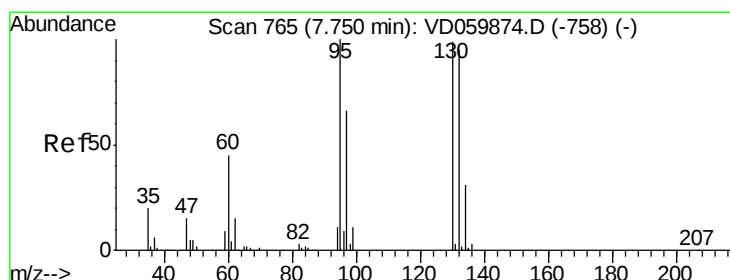
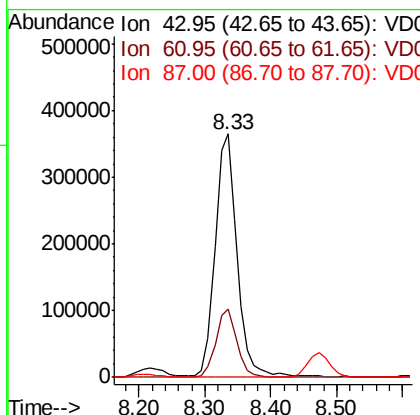
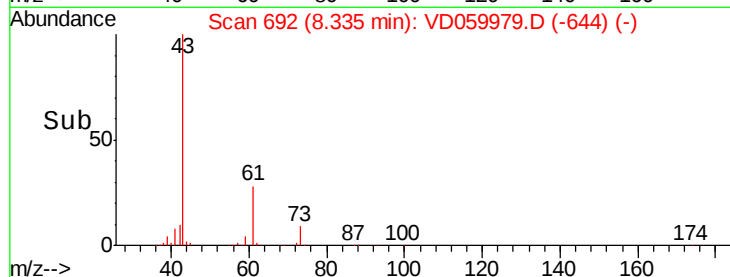
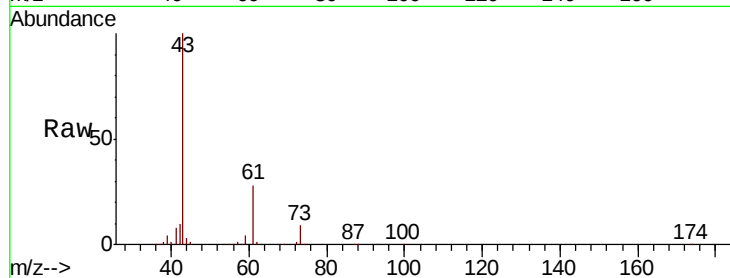
#43
Isopropyl Acetate
Concen: 51.96 ug/l
RT: 8.33 min Scan# 692
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	21.4	32.2
87	0.4	0.2	0.4#

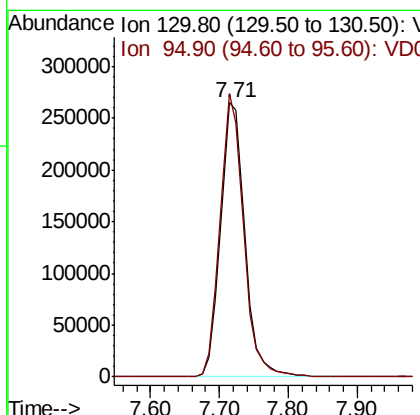
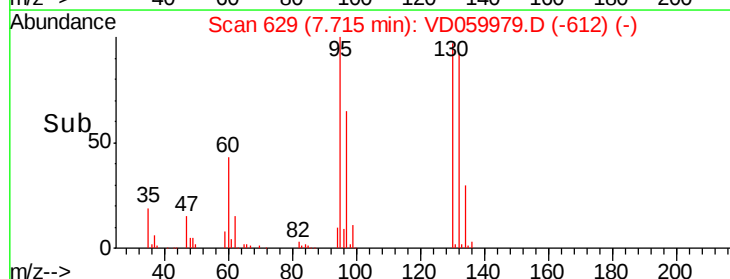
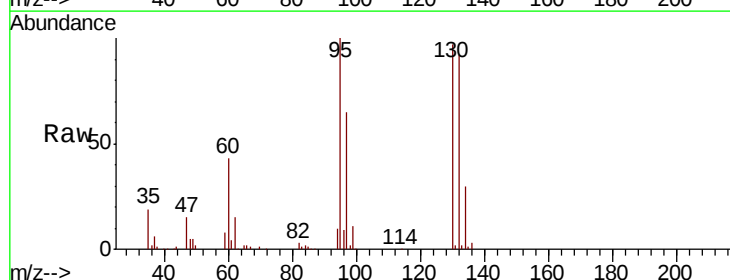
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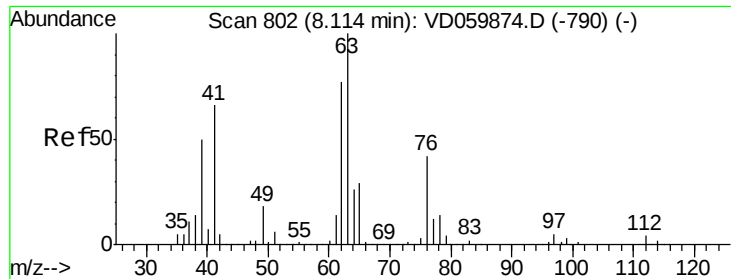
apatel
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#44
Trichloroethene
Concen: 53.51 ug/l
RT: 7.71 min Scan# 629
Delta R.T. -0.04 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	202.0





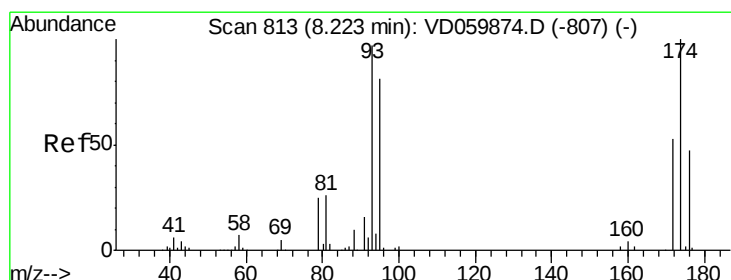
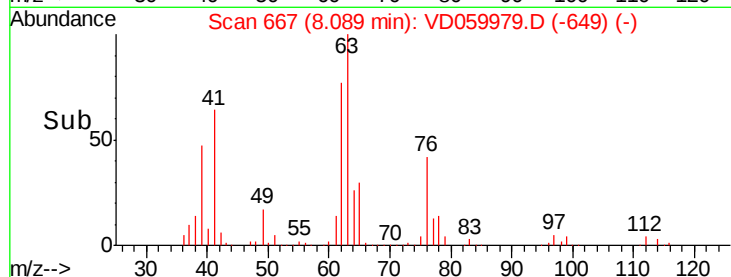
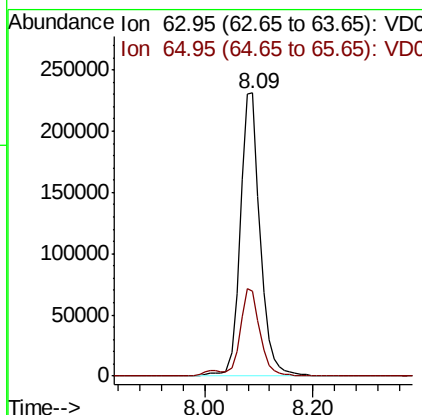
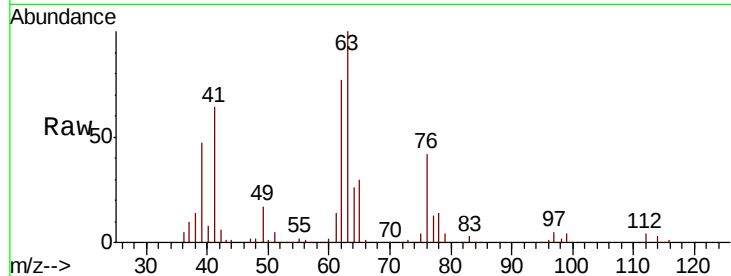
#45
 1,2-Dichloropropane
 Concen: 51.65 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 593277
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.5 35.3

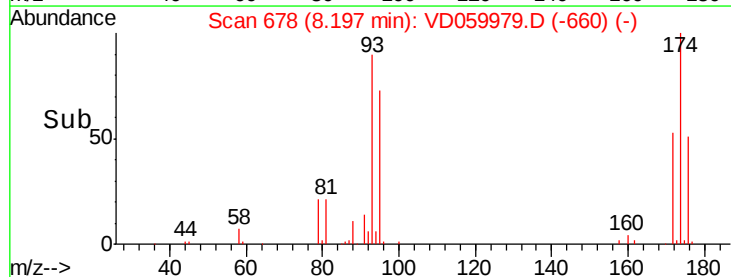
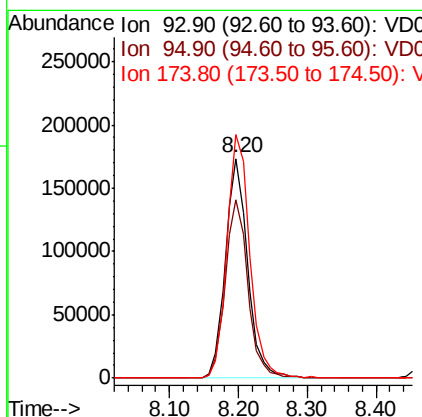
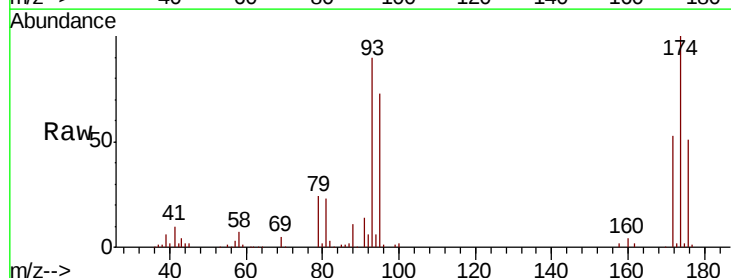
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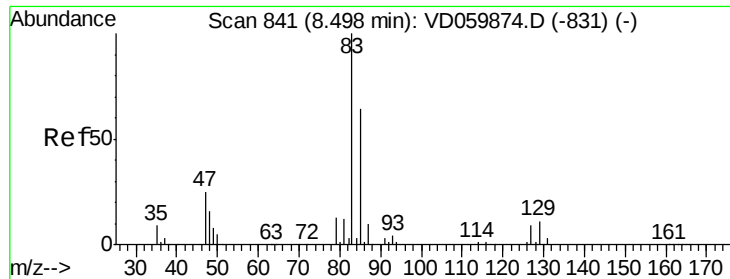
apatel
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#46
 Dibromomethane
 Concen: 52.57 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 93 Resp: 388220
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.6 100.0
 174 110.7 82.4 123.6





#47

Bromodichloromethane

Concen: 50.66 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

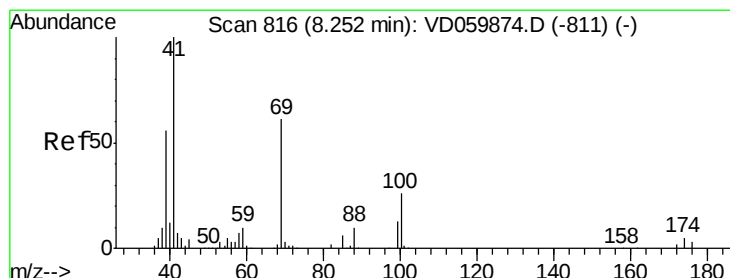
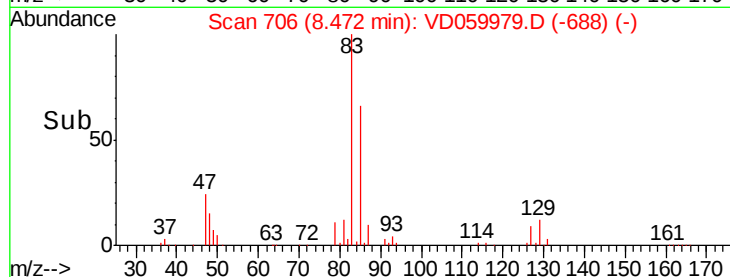
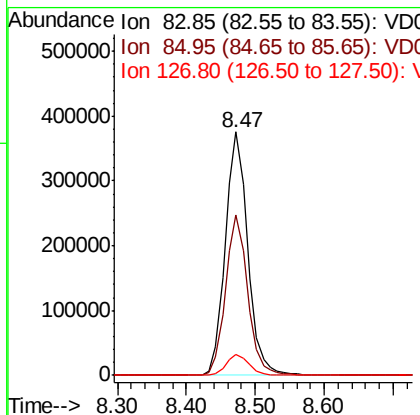
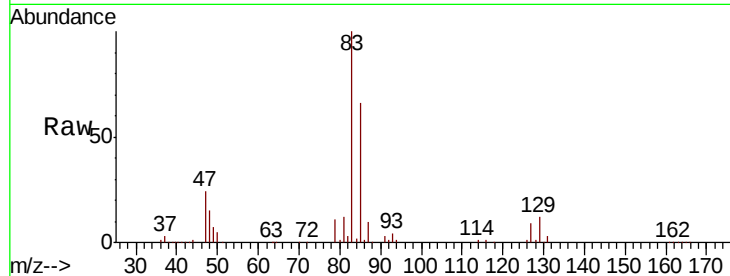
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	846962
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.3	76.9
127	8.6	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.21 ug/l

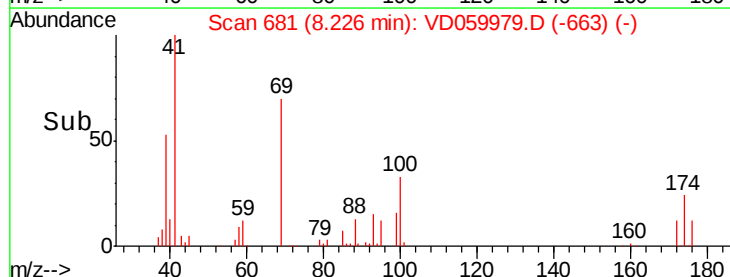
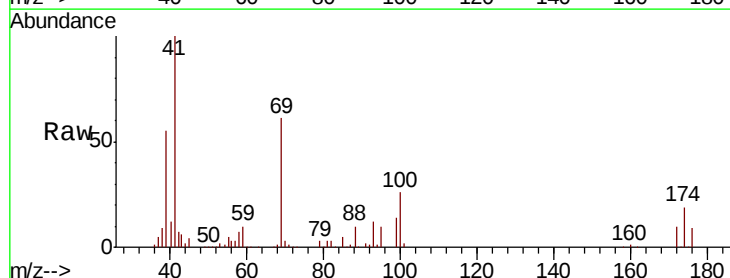
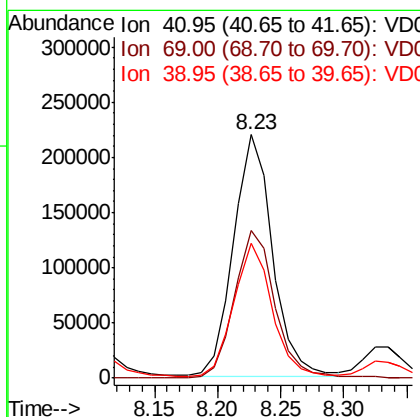
RT: 8.23 min Scan# 681

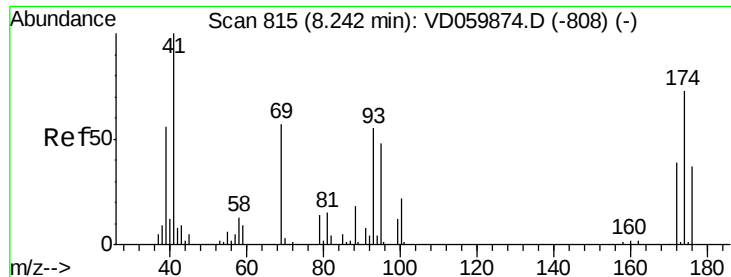
Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	41	Resp:	468268
Ion Ratio	Lower	Upper	
41	100		
69	60.8	48.0	72.0
39	55.2	45.4	68.0





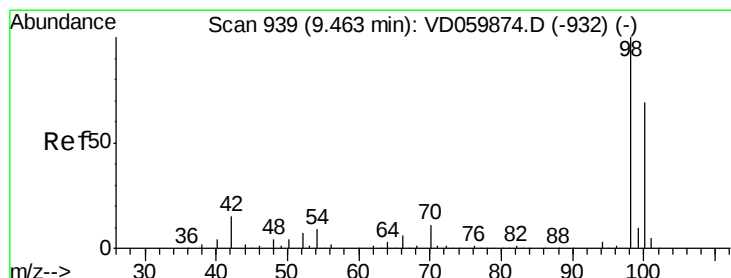
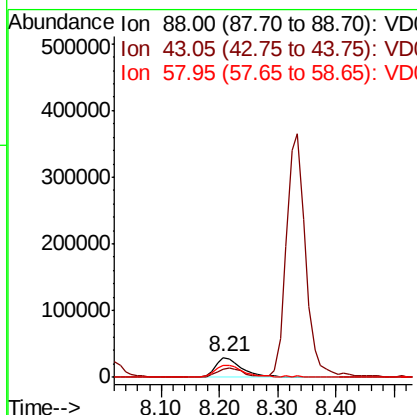
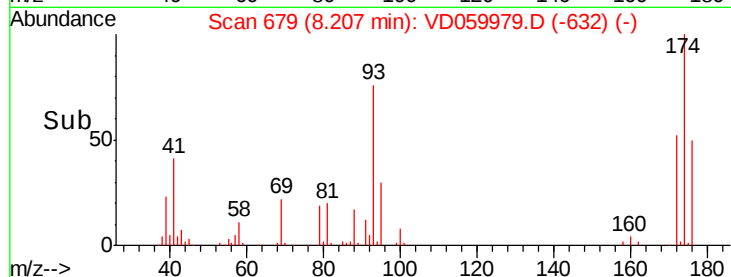
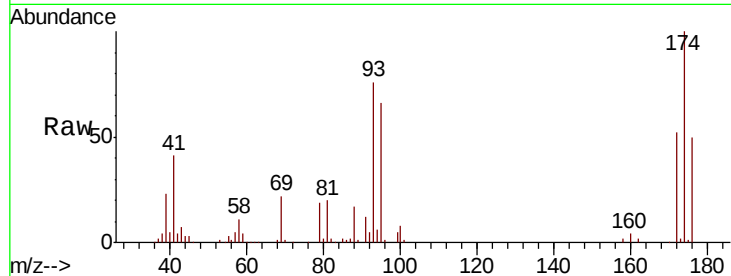
#49
 1,4-Dioxane
 Concen: 1154.98 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.04 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.9	45.0	67.6#
58	61.9	55.8	83.8

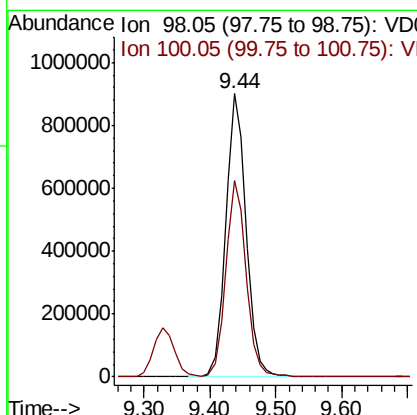
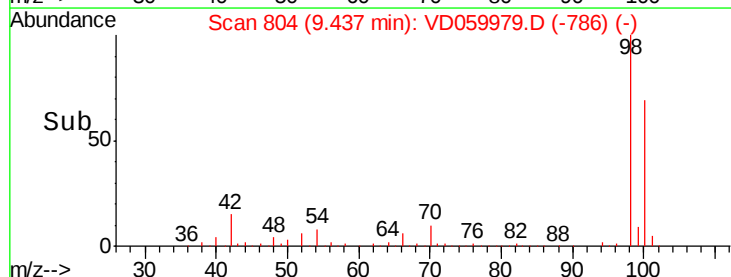
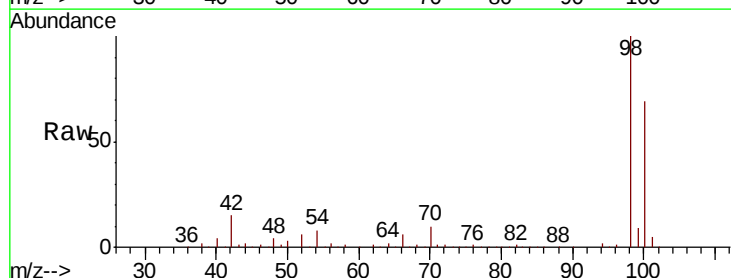
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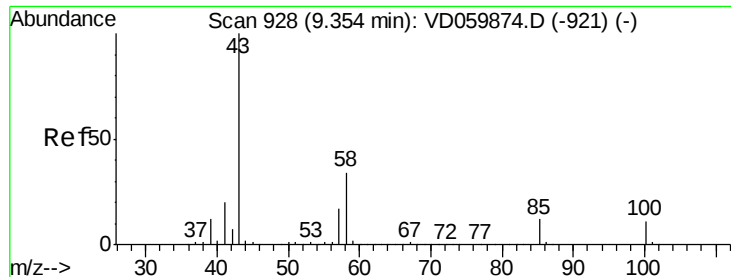
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#50
 Toluene-d8
 Concen: 1154.98 ug/l
 RT: 9.44 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 275.93 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tot Ion: 43 Resp: 3291030

Ion Ratio Lower Upper

43 100

58 33.9 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

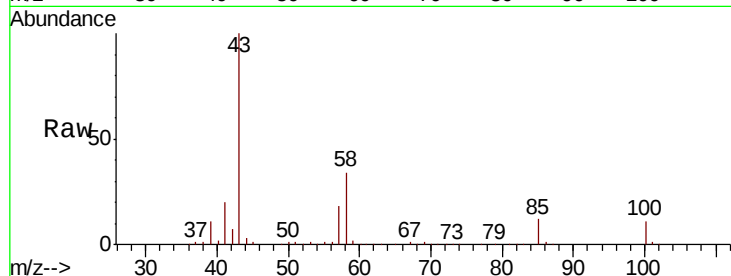
VSTDCCC050

Manual Integrations

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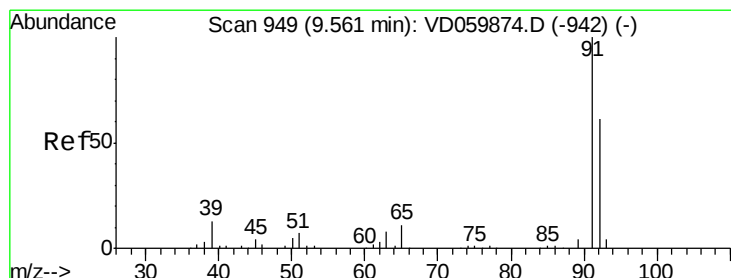
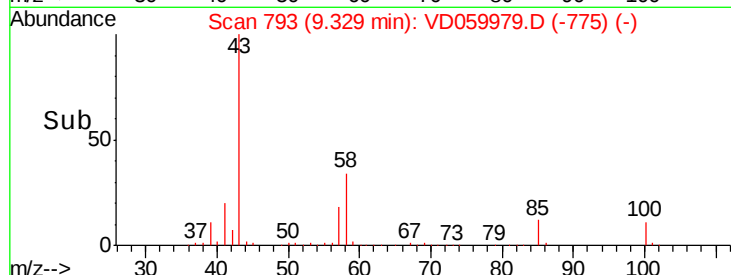
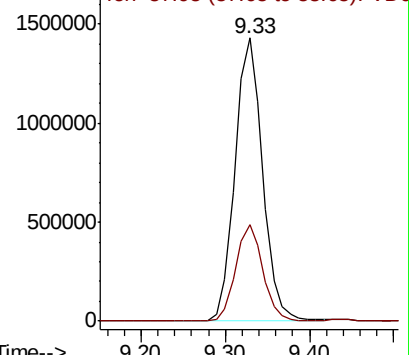
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.31 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.03 min

Lab File: VD059979.D

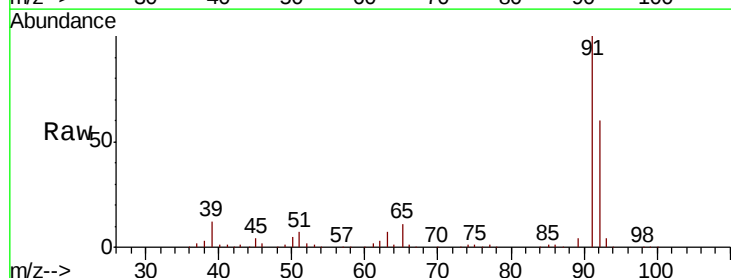
Acq: 6 Sep 2018 11:40

Tgt Ion: 92 Resp: 1378431

Ion Ratio Lower Upper

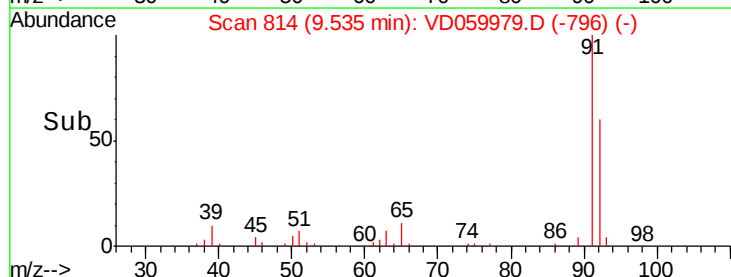
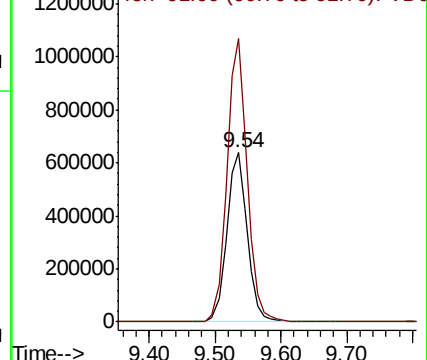
92 100

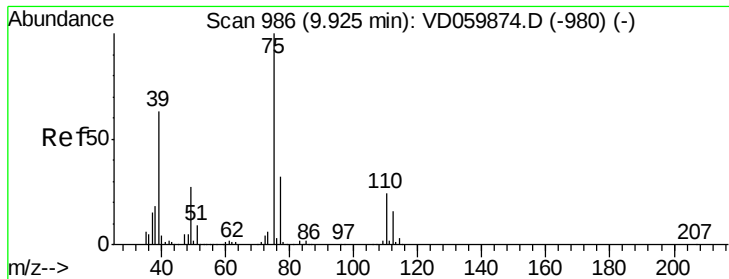
91 167.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.52 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 781294

Ion Ratio Lower Upper

75 100

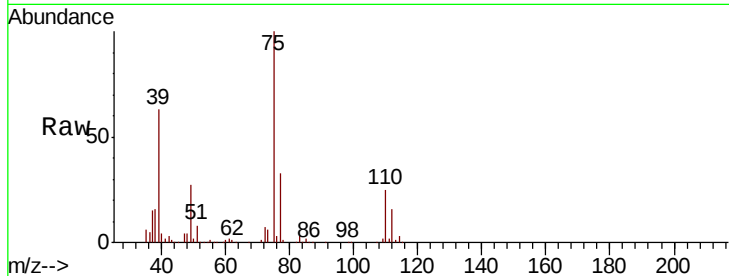
77 32.7 25.4 38.2

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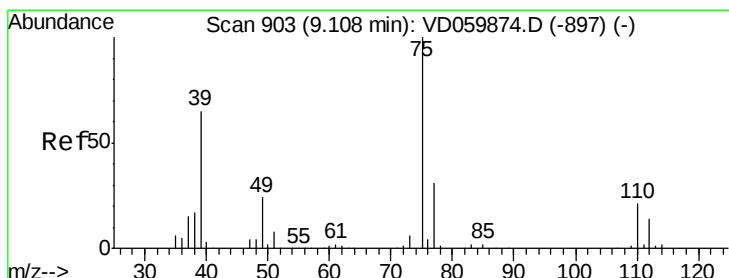
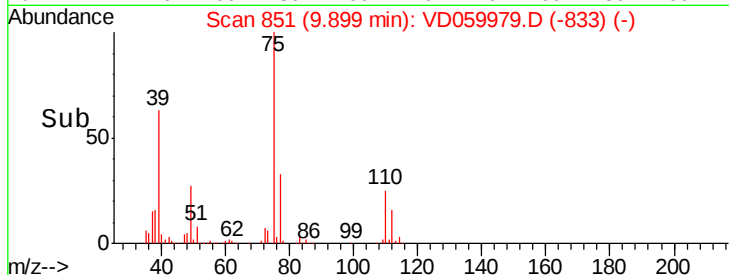
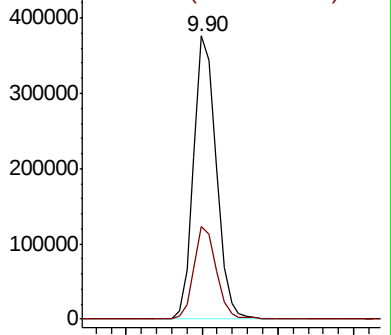
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.16 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

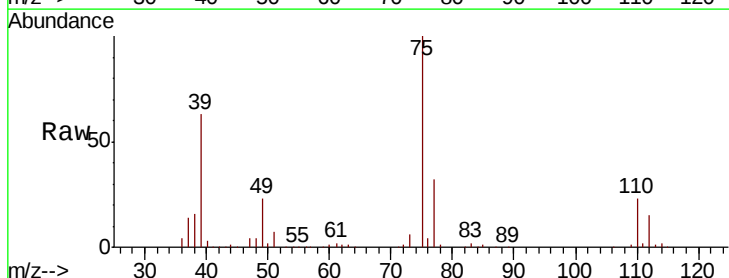
Tgt Ion: 75 Resp: 917257

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

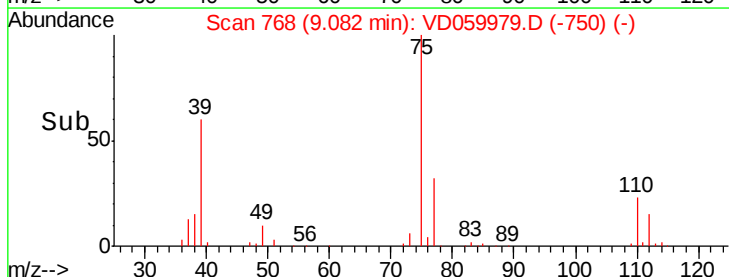
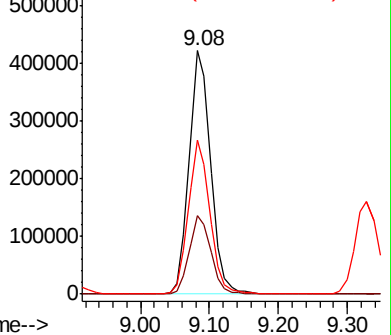
39 63.2 52.1 78.1

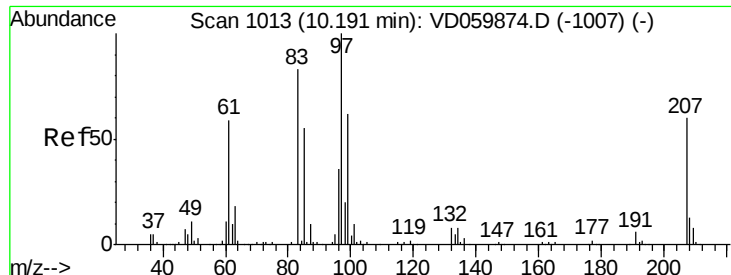


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 51.10 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 492159

Ion Ratio Lower Upper

97 100

83 83.9 66.7 100.1

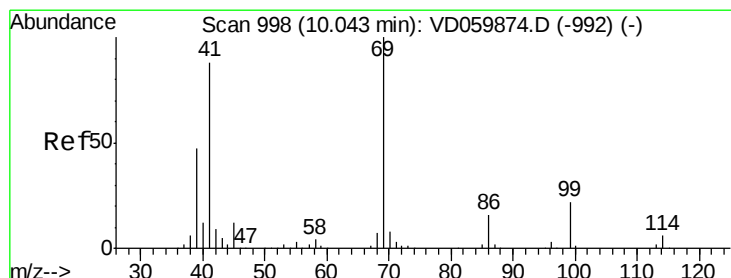
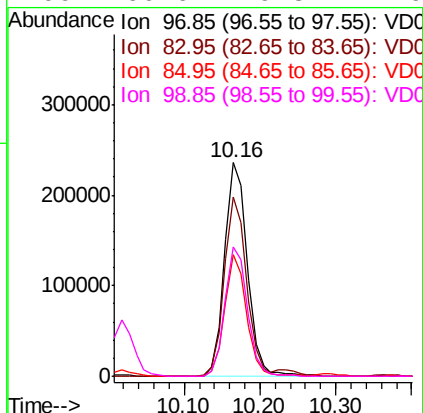
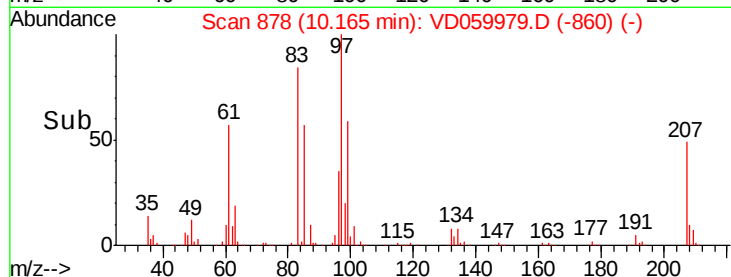
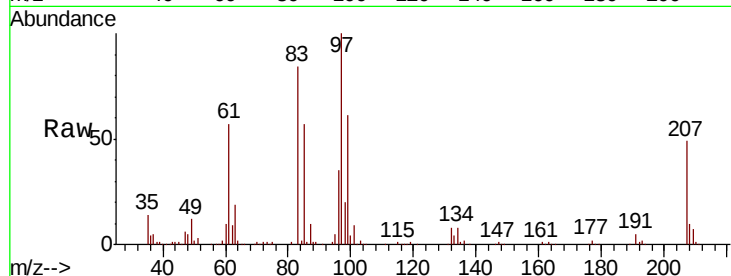
85 56.8 43.8 65.6

99 60.6 49.8 74.6

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#56

Ethyl methacrylate

Concen: 51.89 ug/l

RT: 10.02 min Scan# 863

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

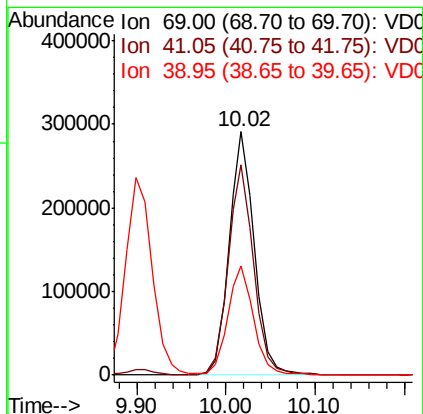
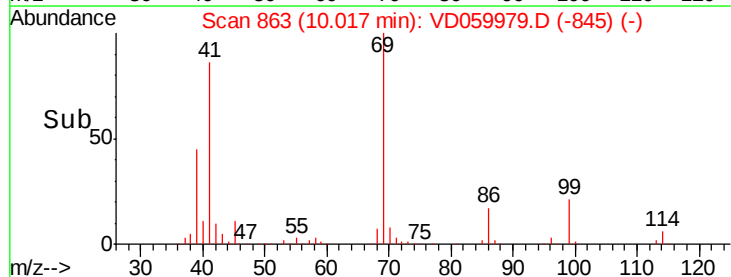
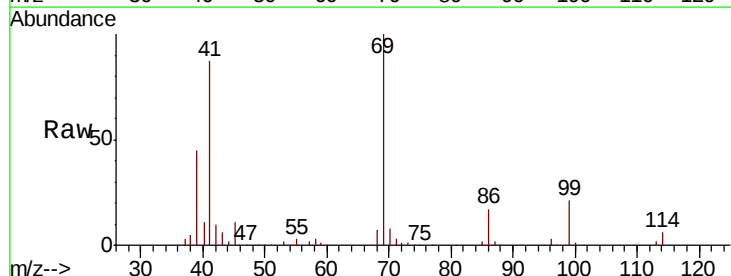
Tgt Ion: 69 Resp: 576791

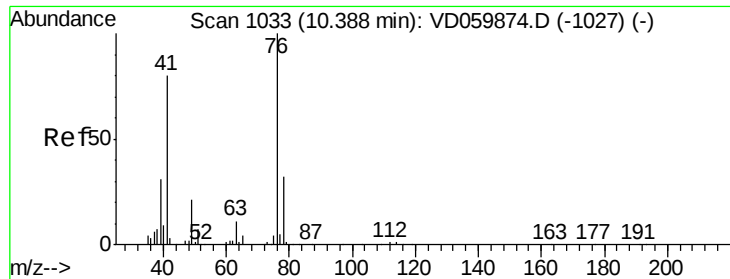
Ion Ratio Lower Upper

69 100

41 86.5 71.0 106.4

39 44.6 38.5 57.7





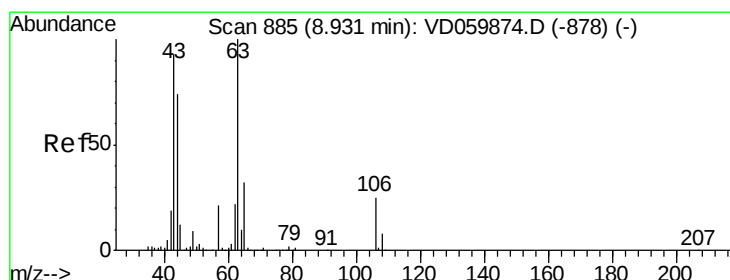
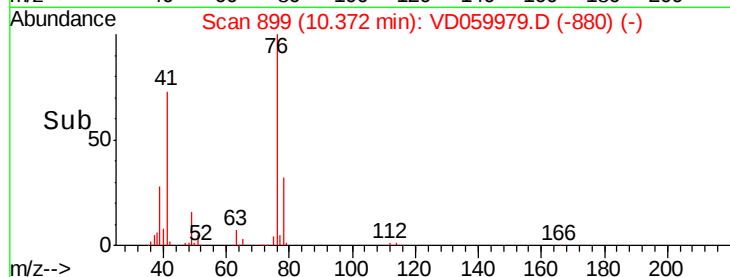
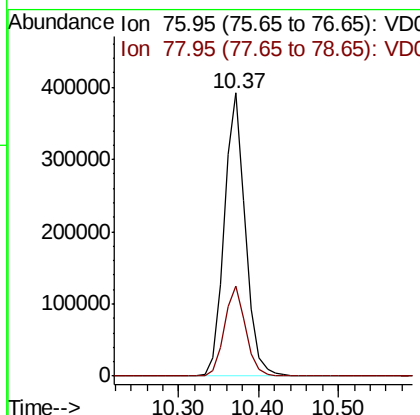
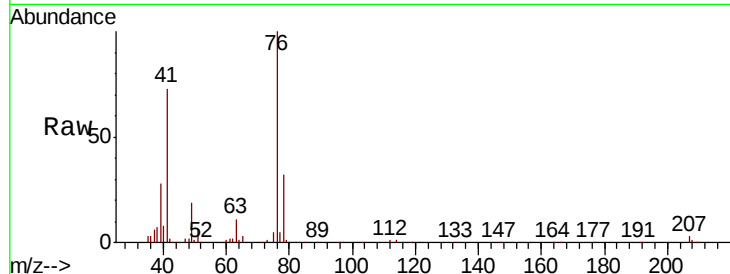
#57
 1,3-Dichloropropane
 Concen: 52.43 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 730946
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6

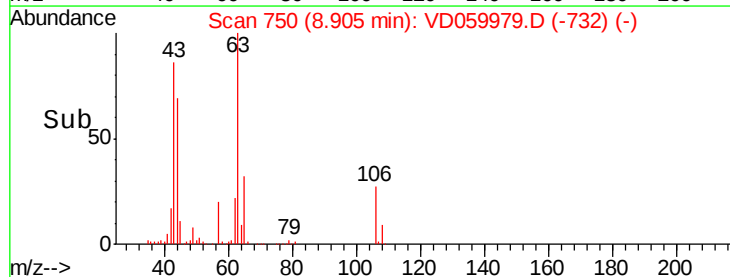
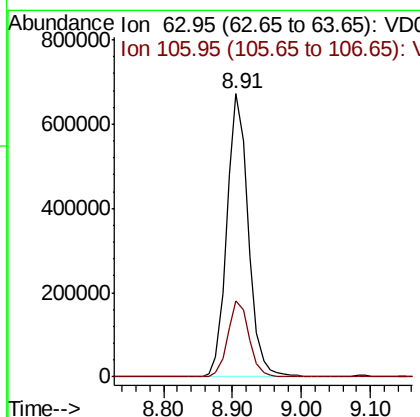
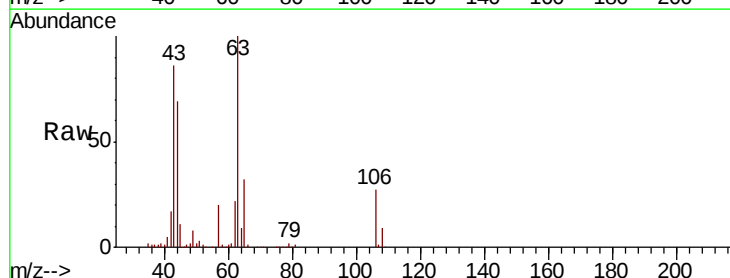
Manual Integrations
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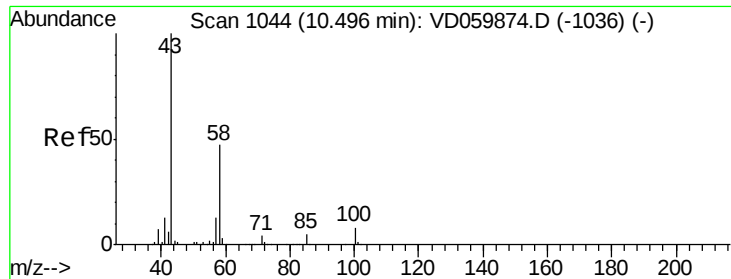
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.27 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 63 Resp: 1441173
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.1 30.1





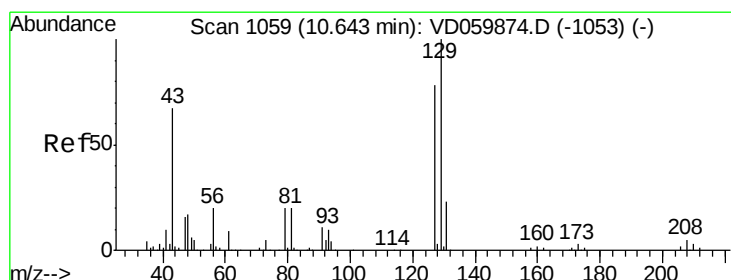
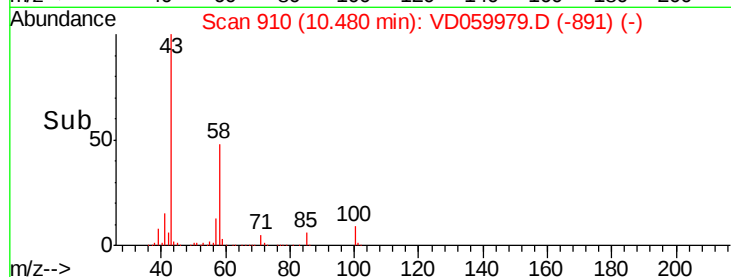
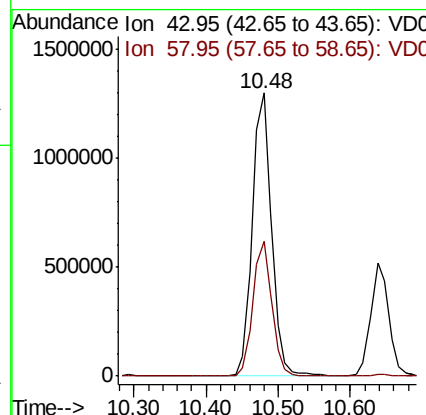
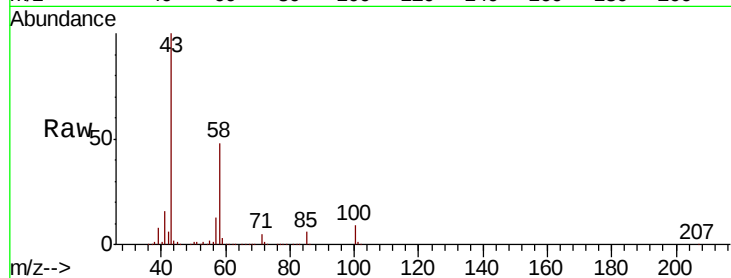
#59
2-Hexanone
Concen: 276.72 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2434389
Ion Ratio Lower Upper
43 100
58 47.8 23.3 69.8

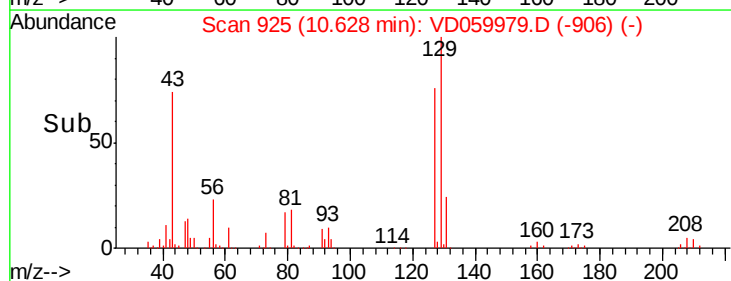
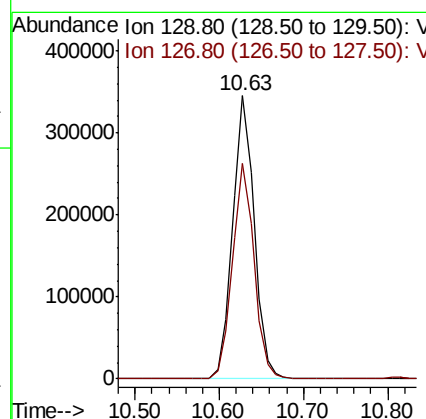
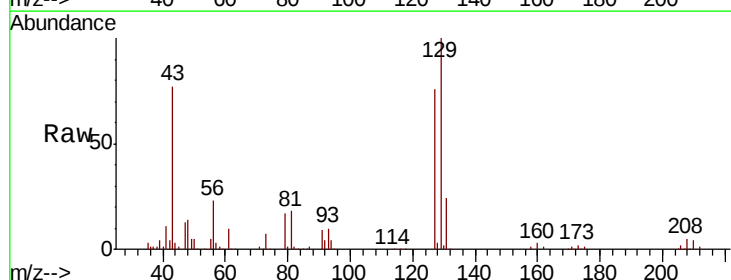
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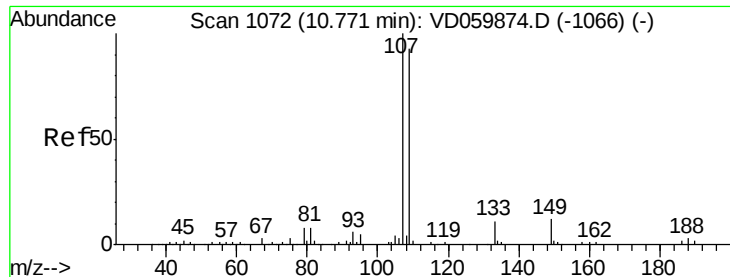
apatel
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#60
Dibromochloromethane
Concen: 50.73 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:129 Resp: 614117
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 53.05 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.03 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 516620

Ion Ratio Lower Upper

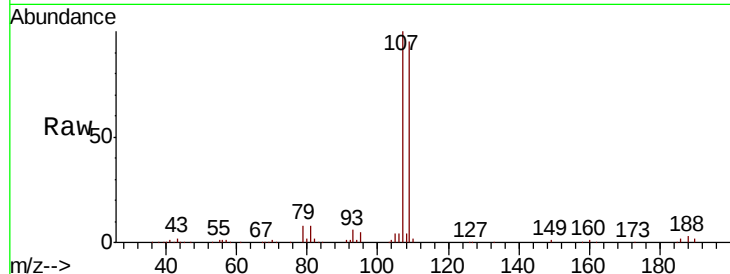
107 100

109 95.1 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

300000

200000

100000

0

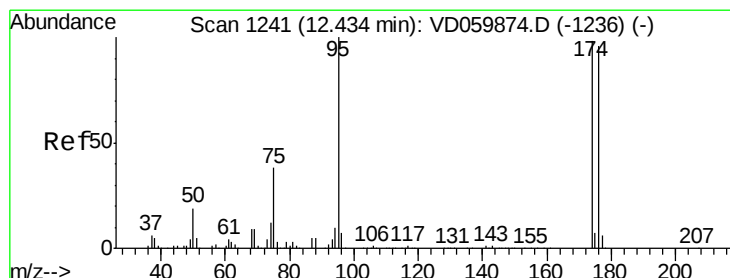
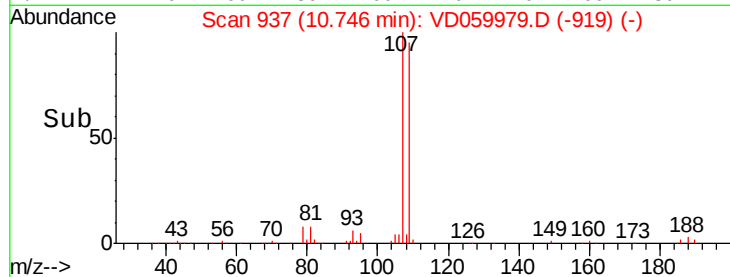
10.75

10.70

10.80

10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 53.05 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

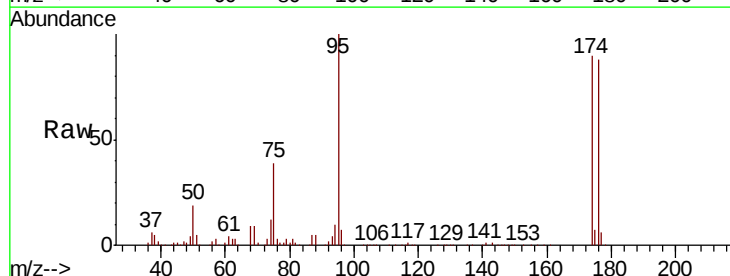
Tgt Ion: 95 Resp: 794818

Ion Ratio Lower Upper

95 100

174 89.8 0.0 195.6

176 87.9 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

600000

400000

200000

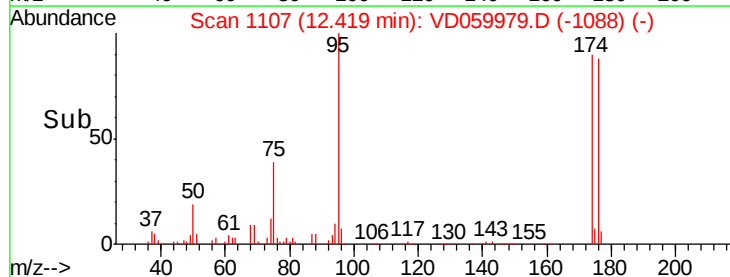
0

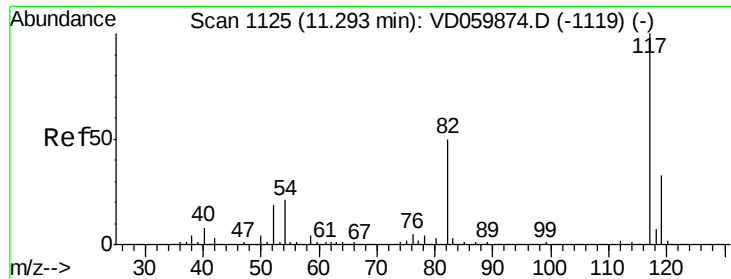
12.42

12.40

12.50

Time-->





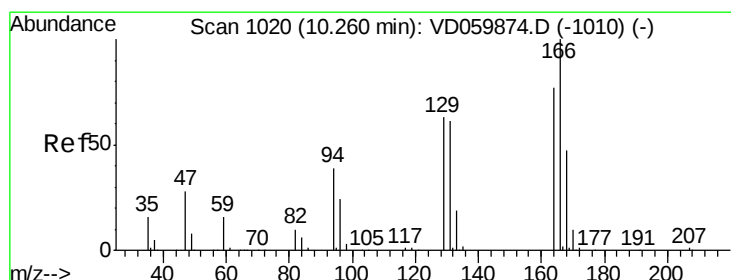
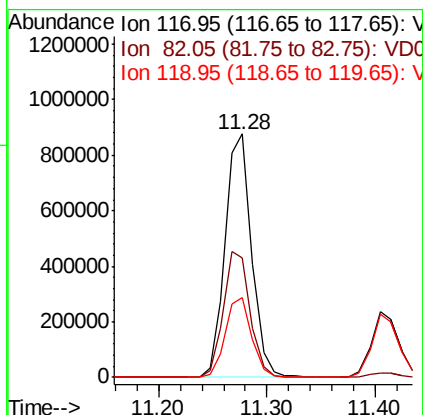
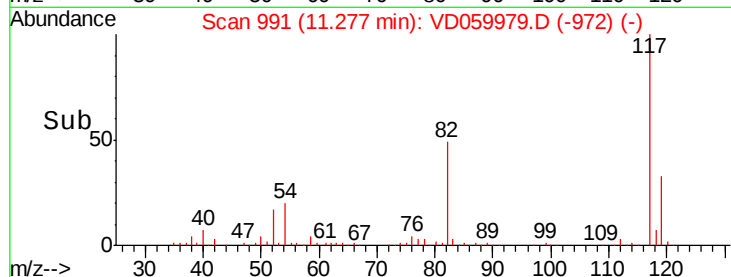
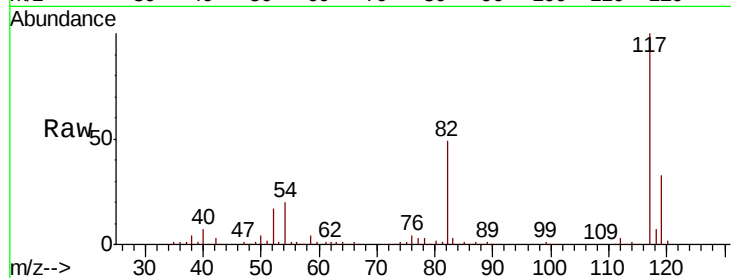
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1491044
Ion Ratio Lower Upper
117 100
82 49.0 40.1 60.1
119 32.6 26.7 40.1

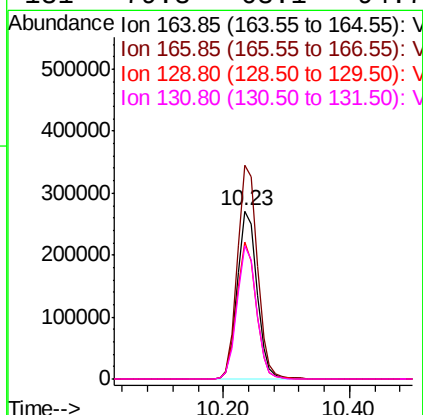
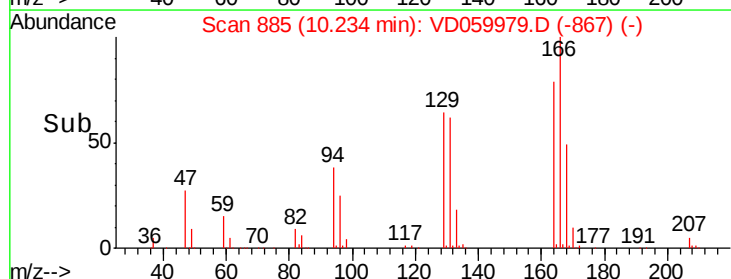
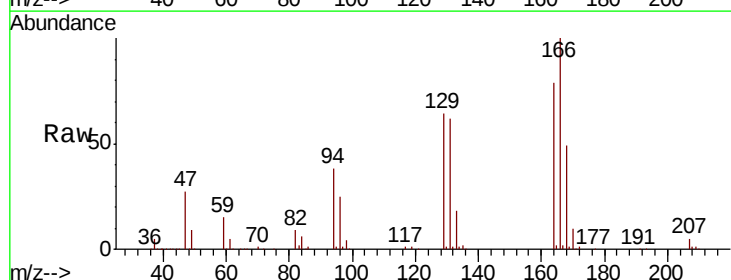
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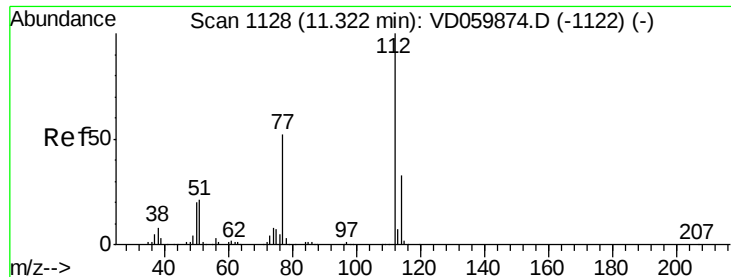
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#64
Tetrachloroethene
Concen: 50.32 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.03 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:164 Resp: 580127
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.2
129 81.8 65.2 97.8
131 79.3 63.1 94.7





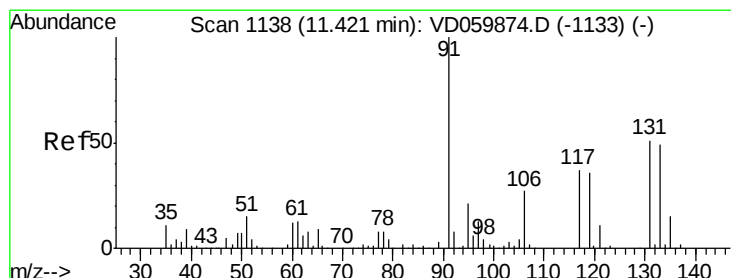
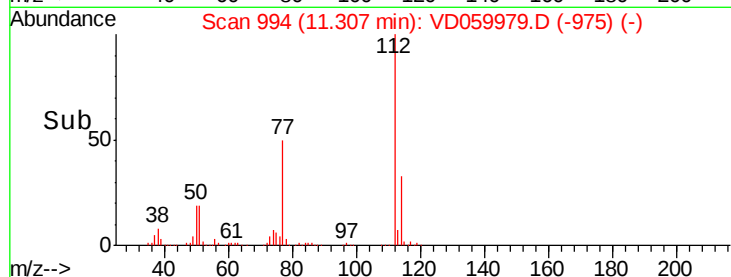
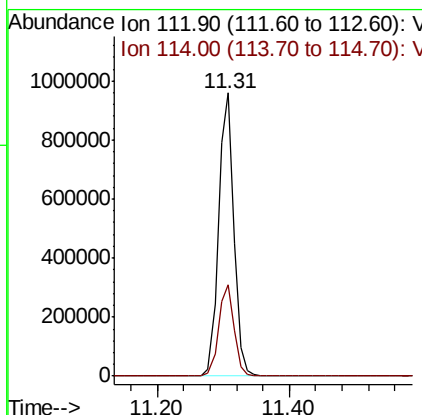
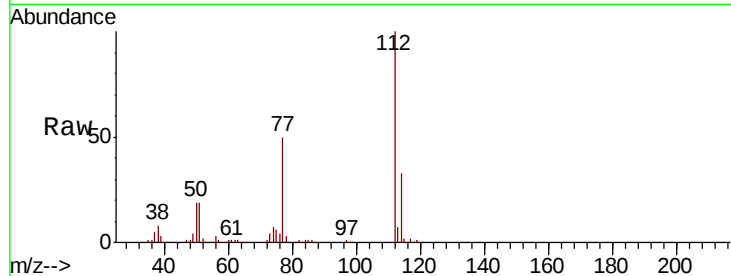
#65
Chlorobenzene
Concen: 52.05 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1542100
Ion Ratio Lower Upper
112 100
114 32.5 26.4 39.6

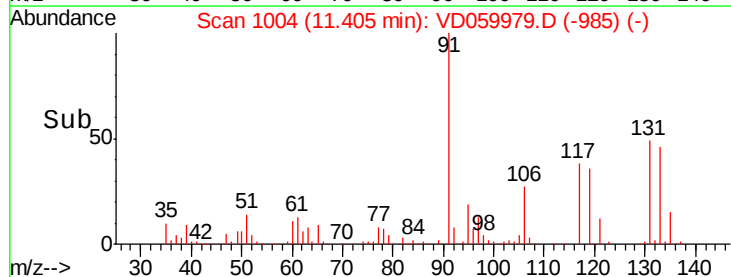
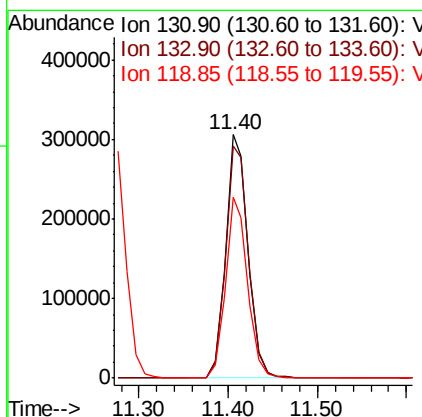
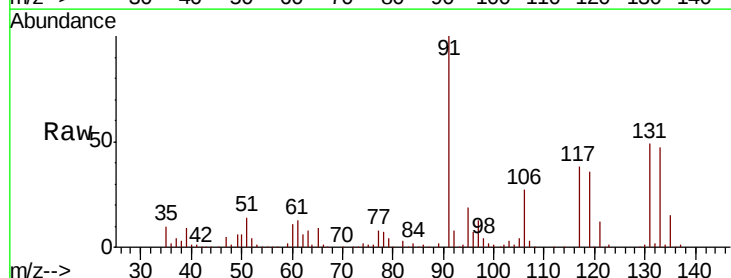
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.80 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:131 Resp: 539088
Ion Ratio Lower Upper
131 100
133 95.2 48.3 144.8
119 74.4 35.4 106.3





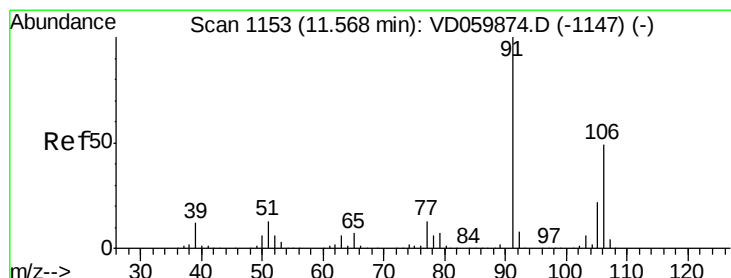
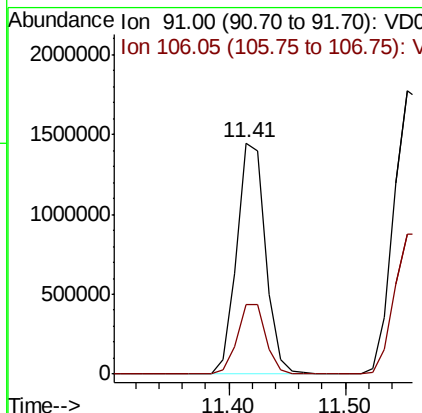
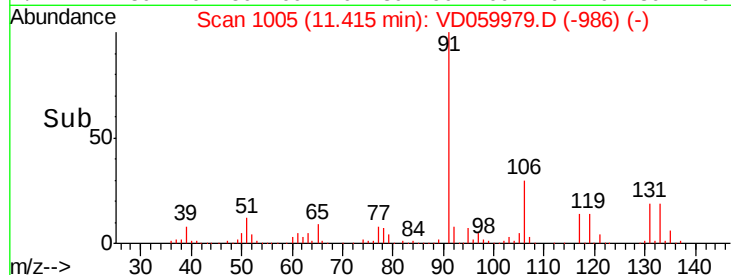
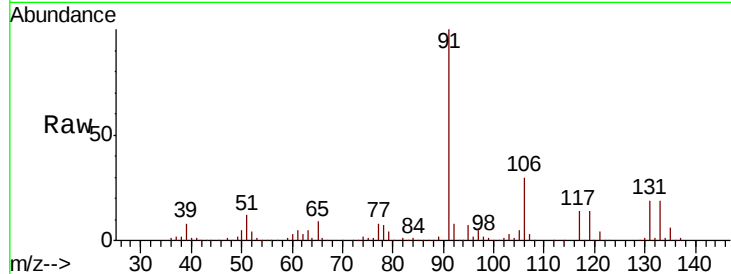
#67
Ethyl Benzene
Concen: 49.65 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2474918
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

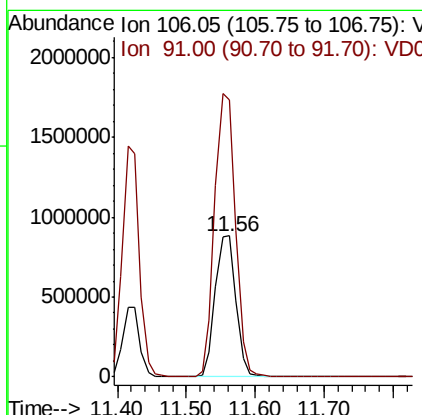
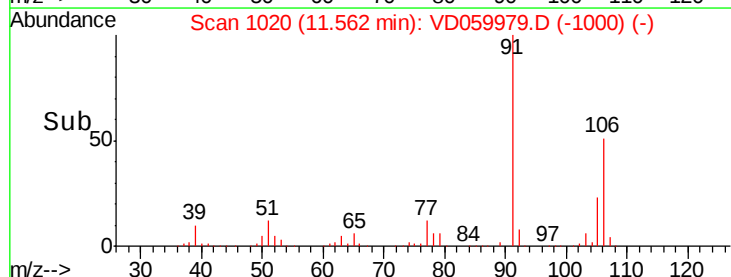
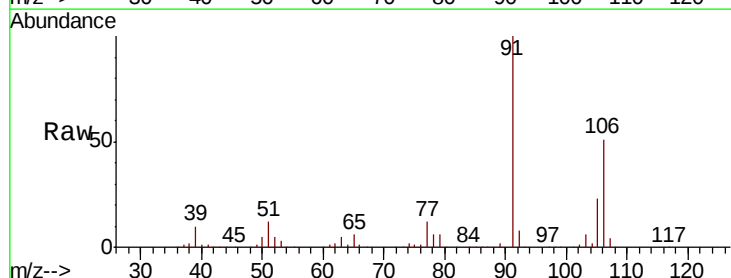
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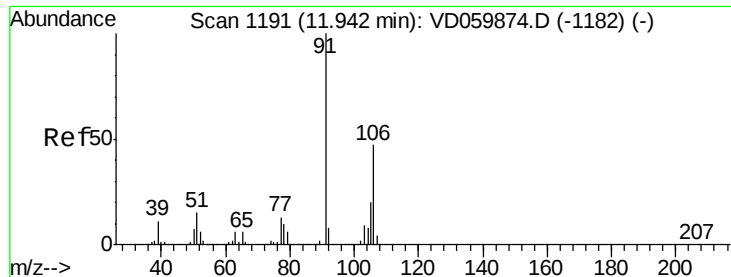
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#68
m/p-Xylenes
Concen: 101.55 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion:106 Resp: 1843064
Ion Ratio Lower Upper
106 100
91 196.5 162.0 243.0





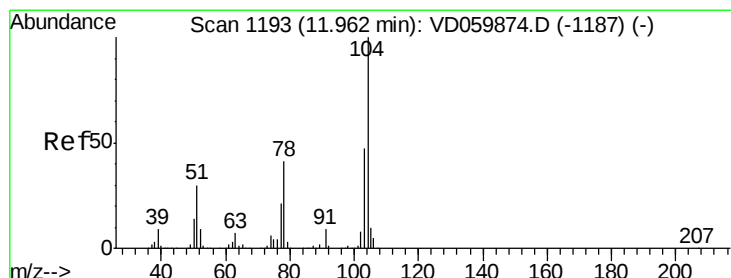
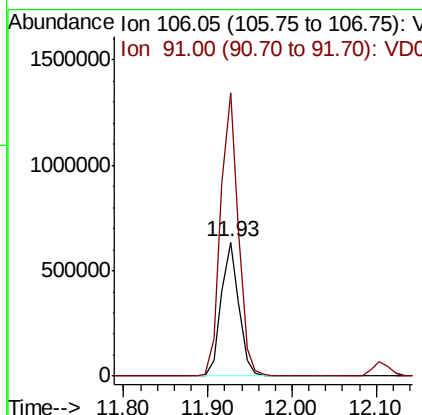
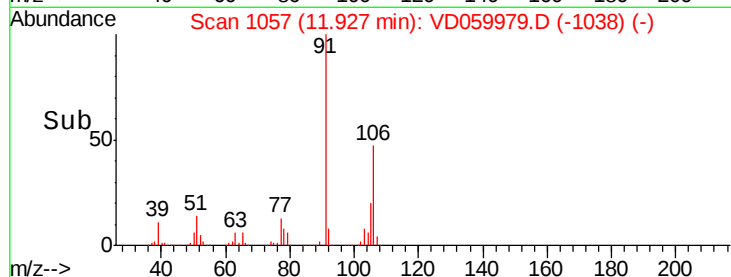
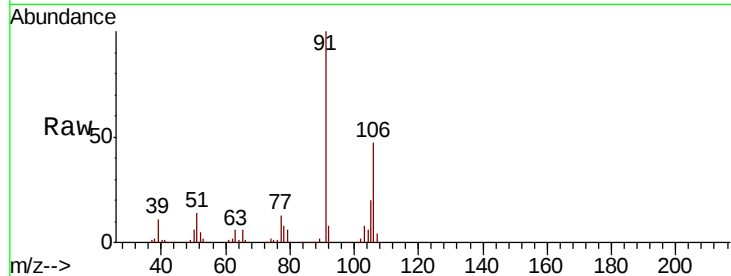
#69
o-Xylene
Concen: 52.25 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	107.3	322.0

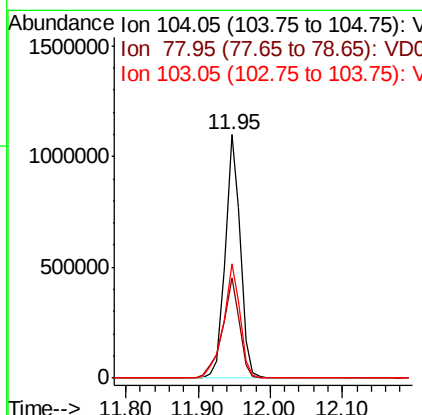
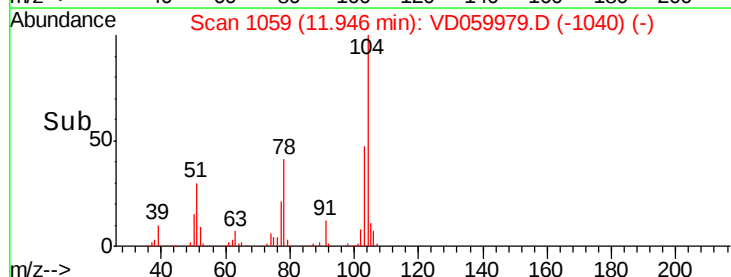
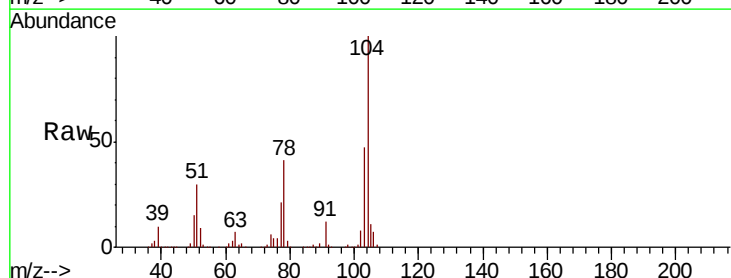
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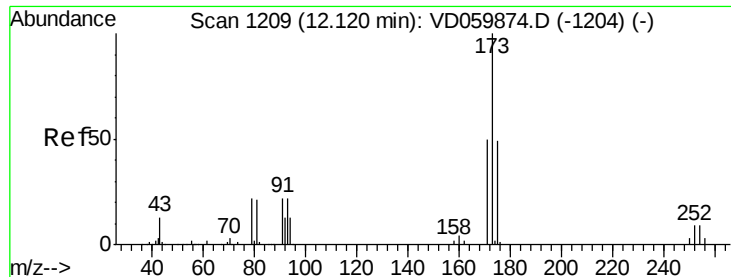
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#70
Styrene
Concen: 51.40 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.1	32.6	49.0
103	46.7	37.7	56.5





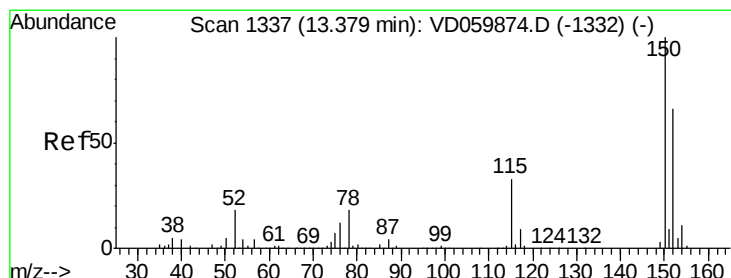
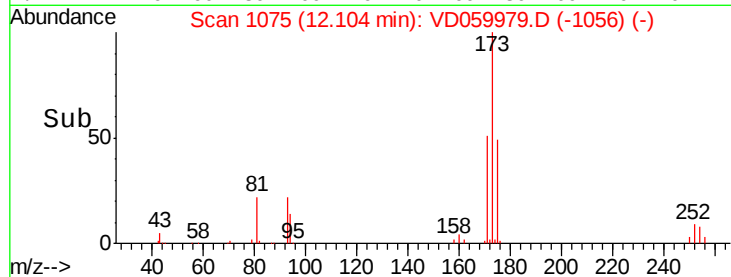
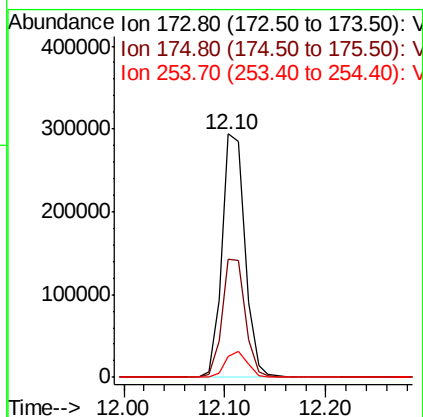
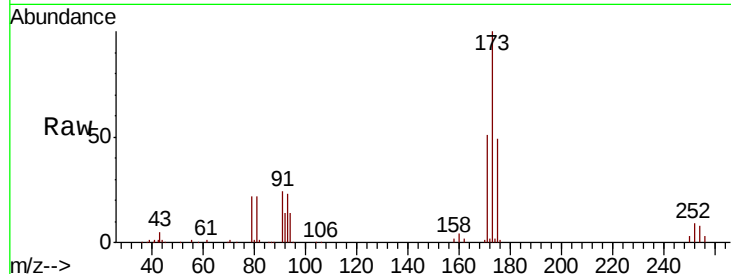
#71
Bromoform
Concen: 49.89 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	8.4	7.0	10.6

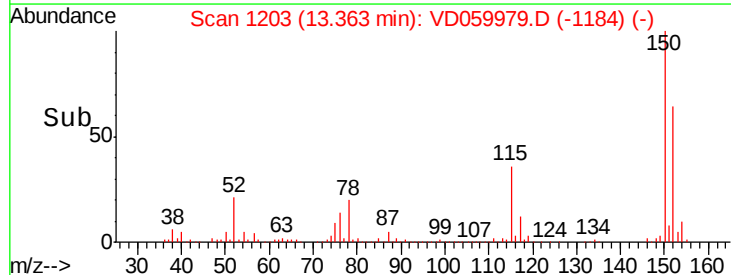
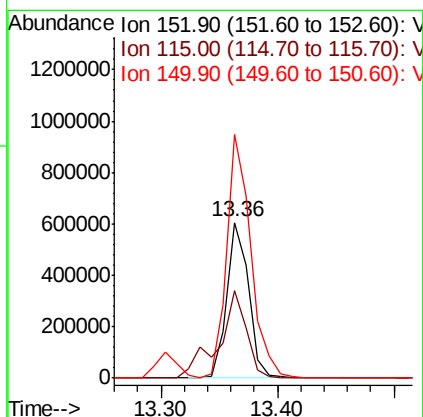
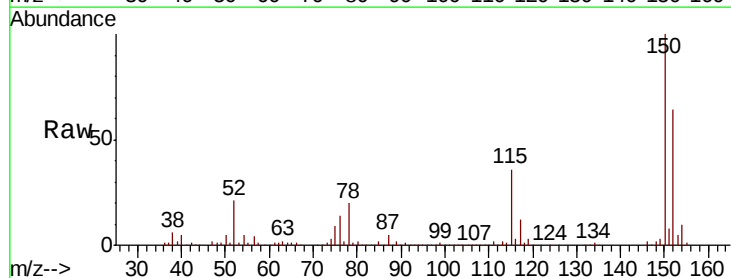
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	25.7	77.0
150	156.5	0.0	310.2





#73

Isopropylbenzene

Concen: 49.40 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2482492

Ion Ratio Lower Upper

105 100

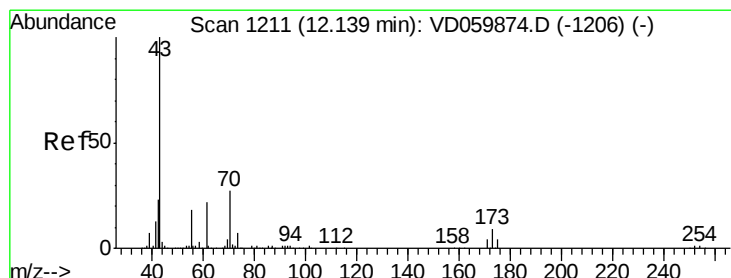
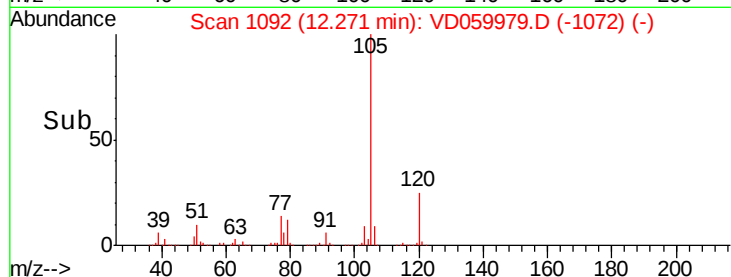
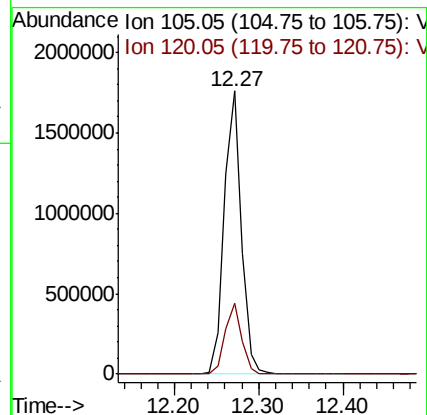
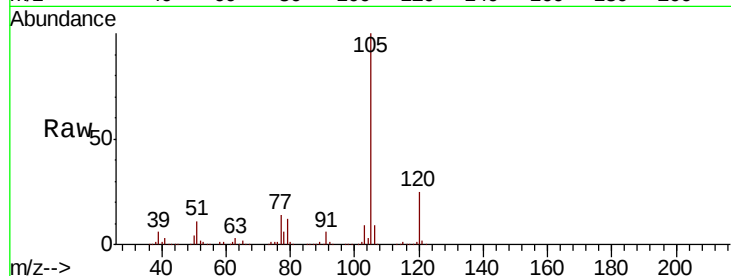
120 25.0 11.8 35.4

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#74

N-ethyl acetate

Concen: 47.61 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion: 43 Resp: 1047560

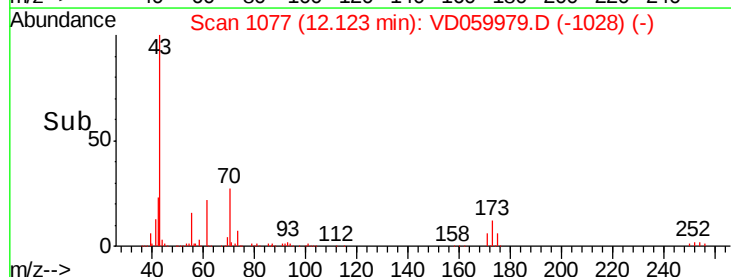
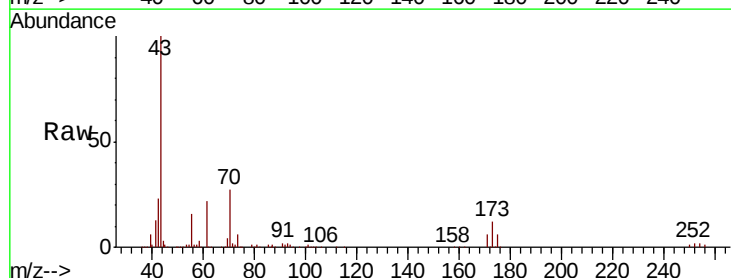
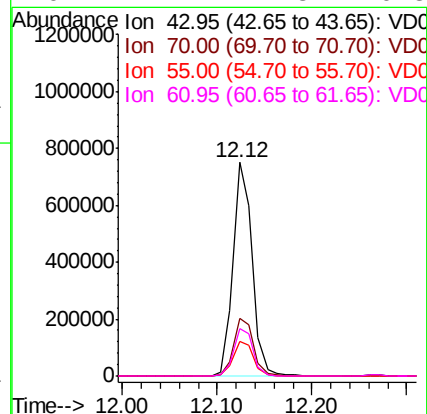
Ion Ratio Lower Upper

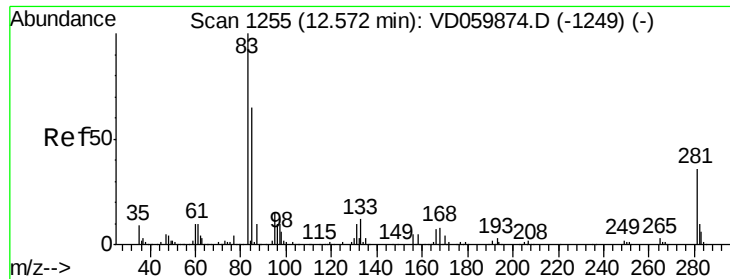
43 100

70 27.1 21.4 32.2

55 16.4 14.1 21.1

61 22.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.35 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

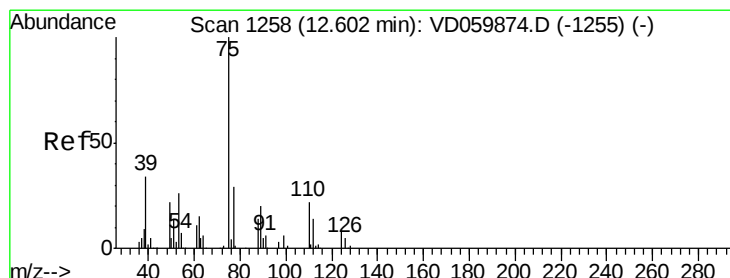
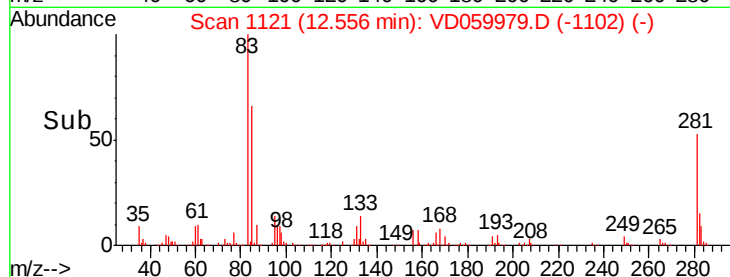
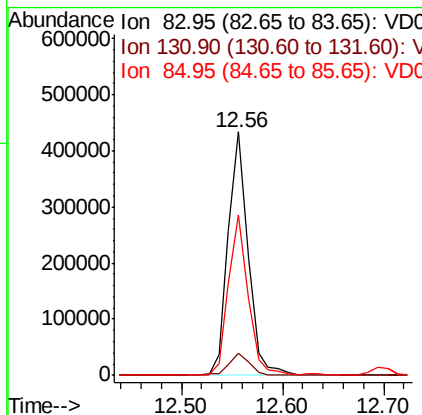
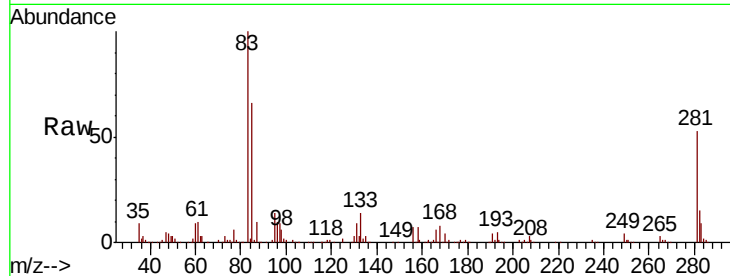
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	596816
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.8	14.4
85	65.8	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 49.29 ug/l

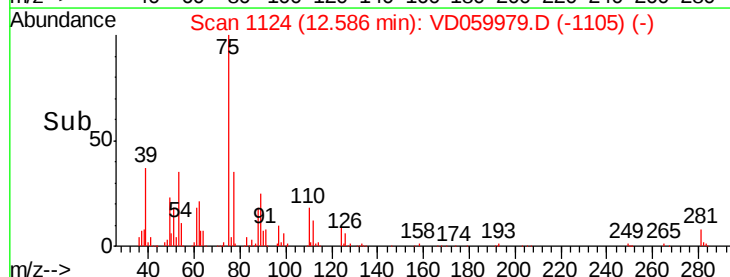
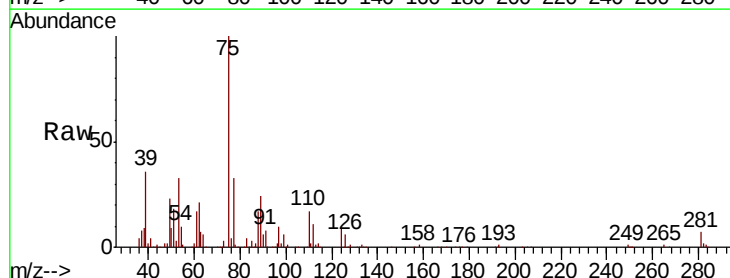
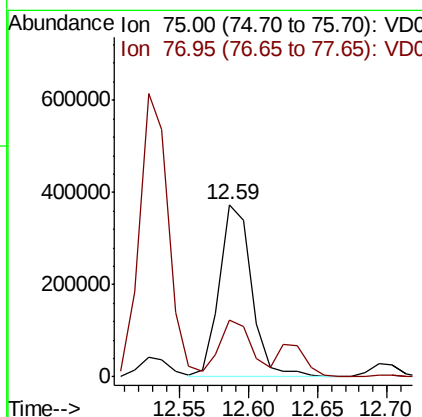
RT: 12.59 min Scan# 1124

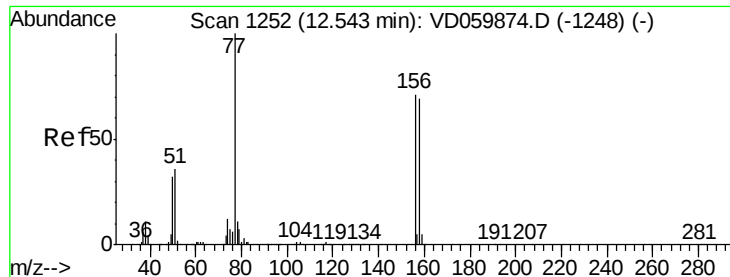
Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	75	Resp:	603110
Ion Ratio	Lower	Upper	
75	100		
77	33.0	16.4	49.2





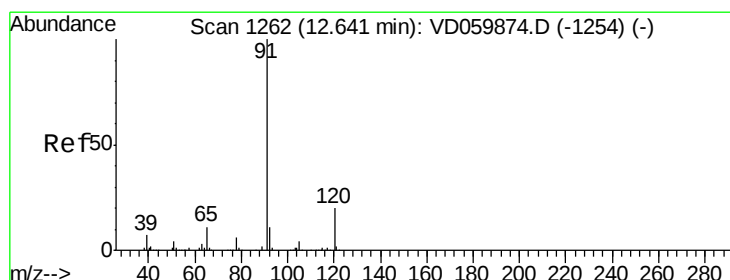
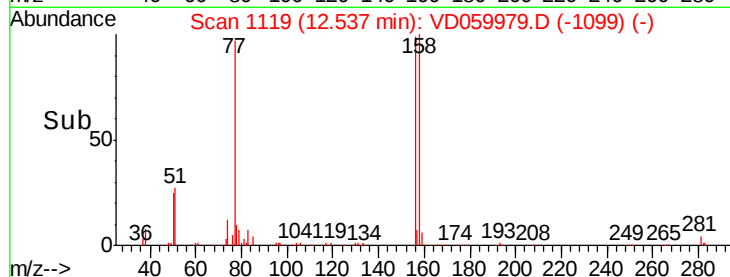
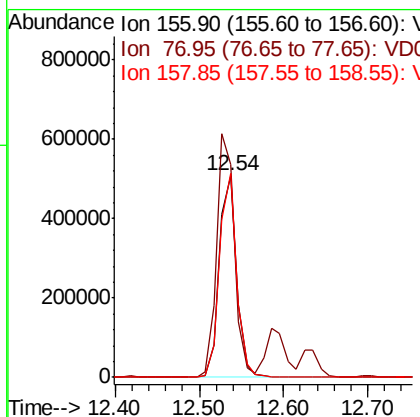
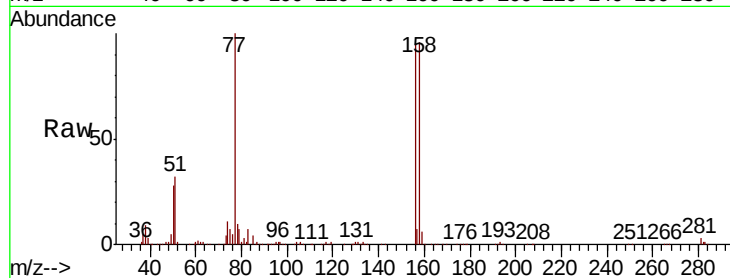
#77
Bromobenzene
Concen: 52.42 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	105.8	70.2	210.4
158	101.3	48.4	145.2

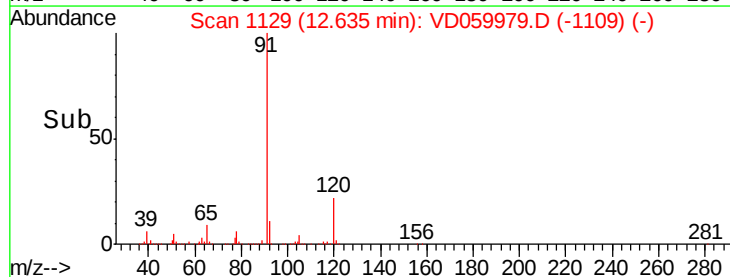
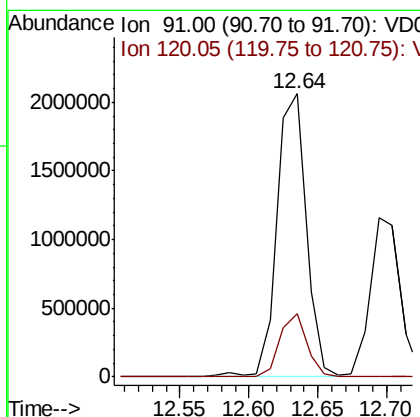
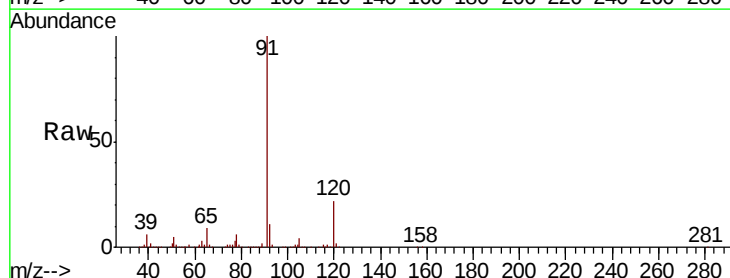
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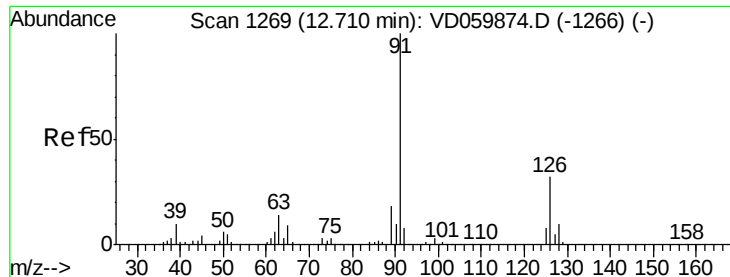
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#78
n-propylbenzene
Concen: 47.70 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.1	30.3





#79

2-Chlorotoluene

Concen: 48.79 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1755577

Ion Ratio Lower Upper

91 100

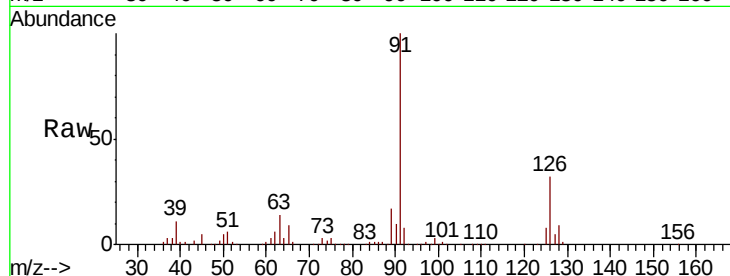
126 31.6 16.1 48.2

Manual Integrations

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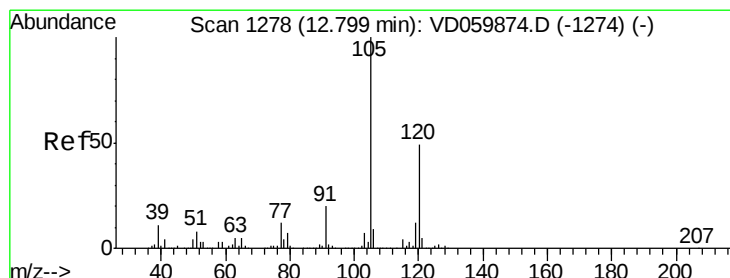
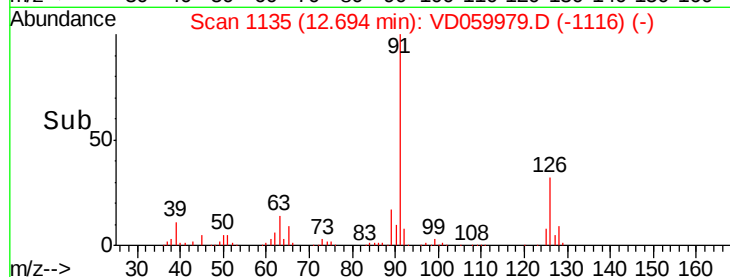
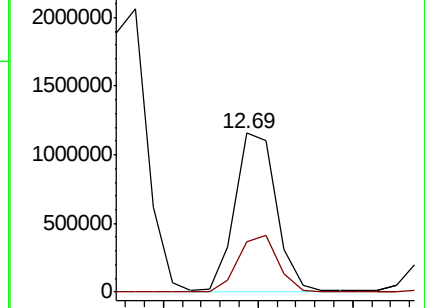
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 48.99 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD059979.D

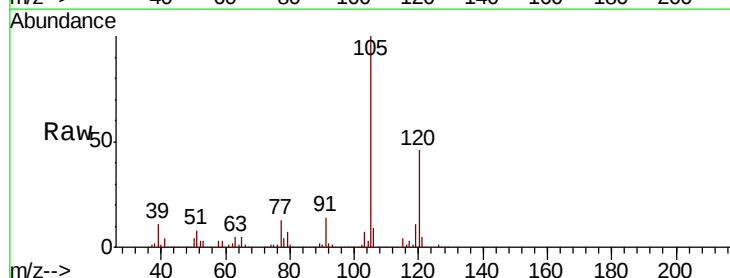
Acq: 6 Sep 2018 11:40

Tgt Ion:105 Resp: 1957344

Ion Ratio Lower Upper

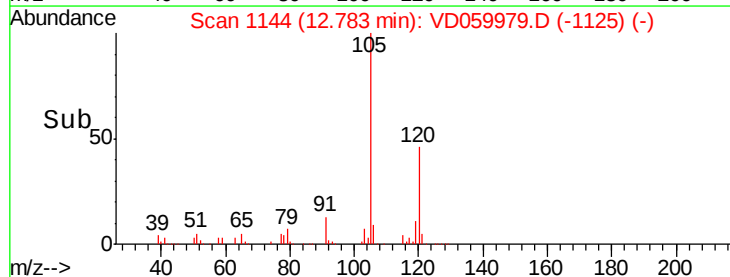
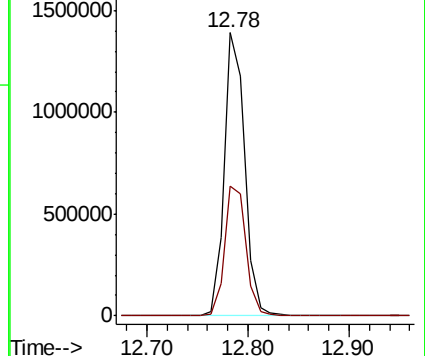
105 100

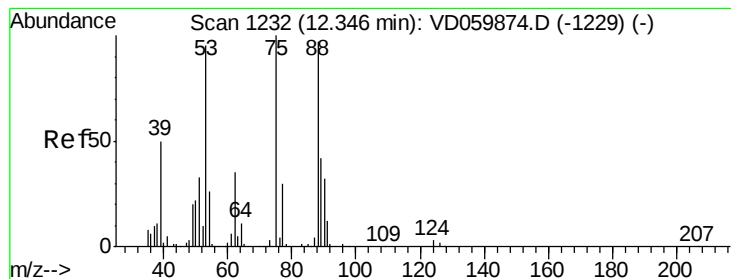
120 45.8 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.44 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

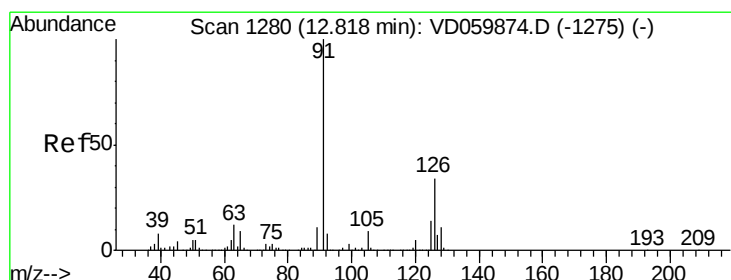
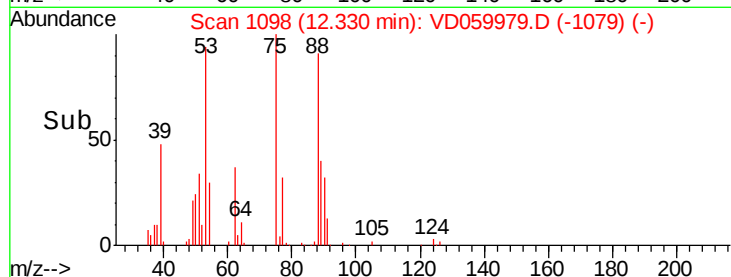
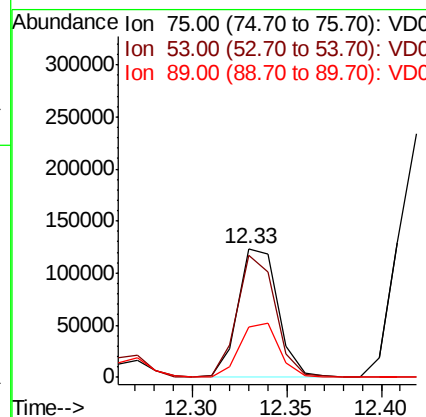
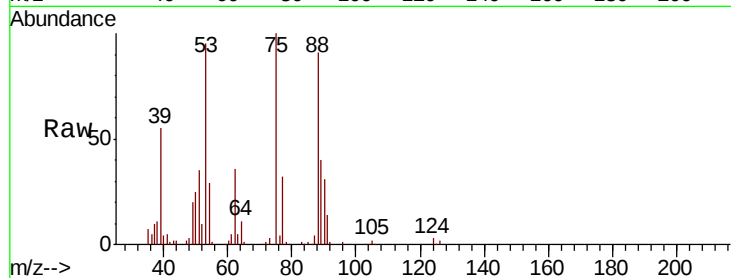
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	180541
Ion Ratio	Lower	Upper	
75	100		
53	94.9	75.8	113.6
89	39.6	33.6	50.4

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#82

4-Chlorotoluene

Concen: 48.52 ug/l

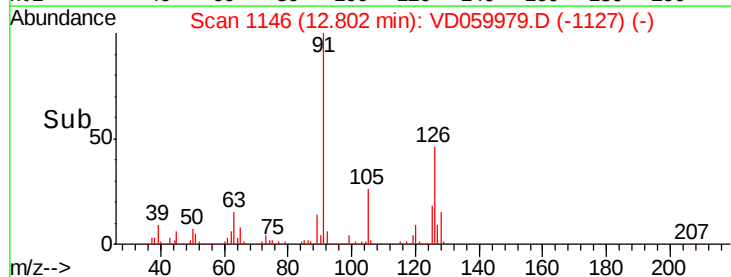
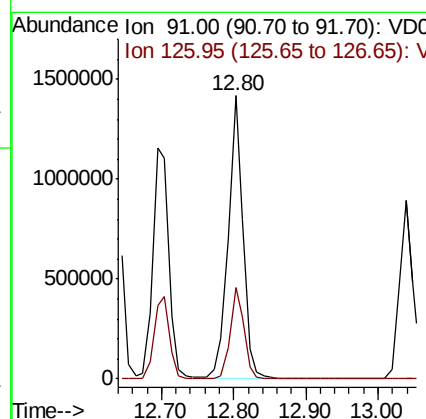
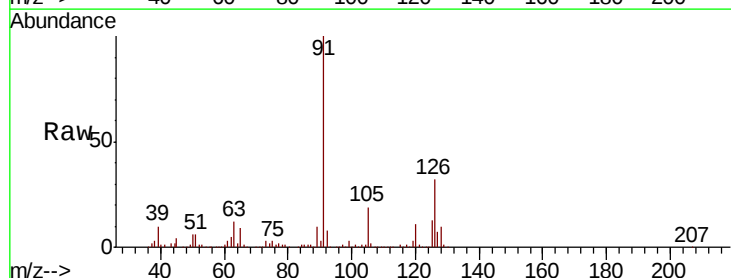
RT: 12.80 min Scan# 1146

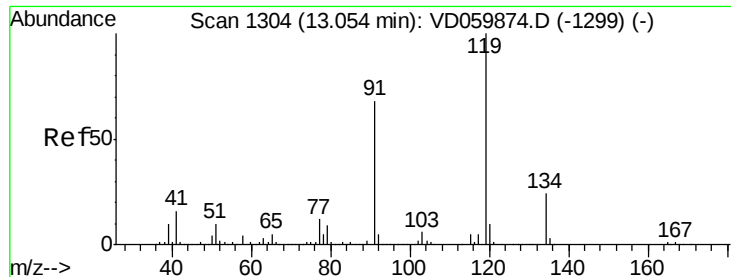
Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Tgt Ion:	91	Resp:	1991571
Ion Ratio	Lower	Upper	
91	100		
126	32.4	17.1	51.2





#83

tert-Butylbenzene

Concen: 45.47 ug/l m

RT: 13.04 min Scan# 1170

Delta R.T. -0.02 min

Lab File: VD059979.D

Acq: 6 Sep 2018 11:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2069577

Ion Ratio Lower Upper

119 100

91 71.4 34.3 102.9

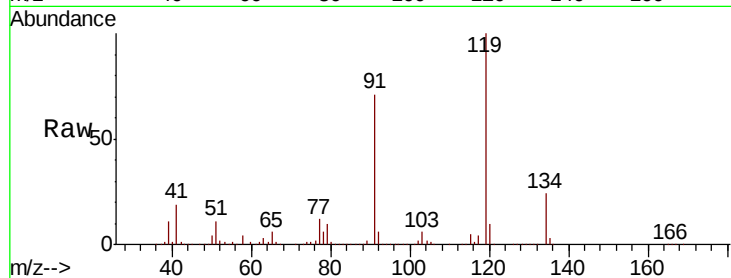
134 24.3 11.9 35.9

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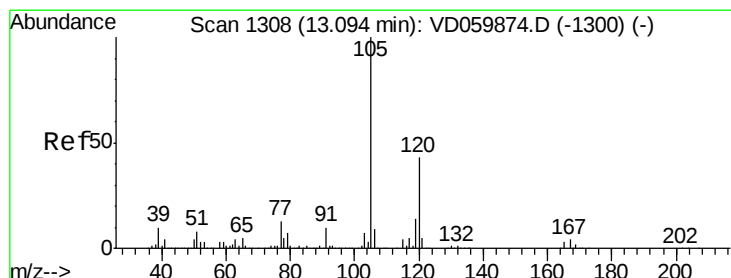
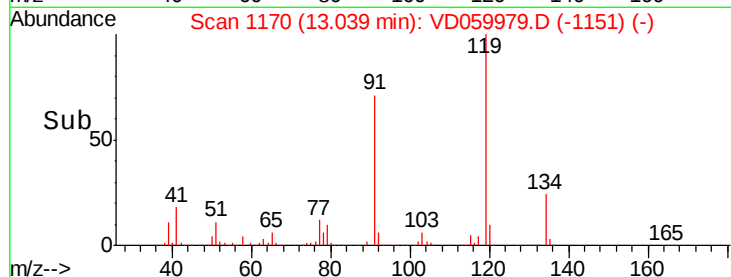
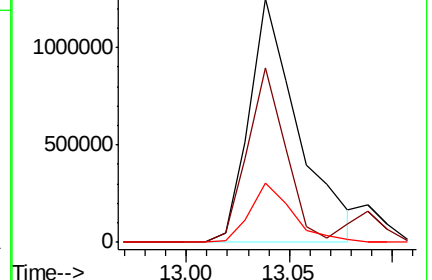
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.34 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD059979.D

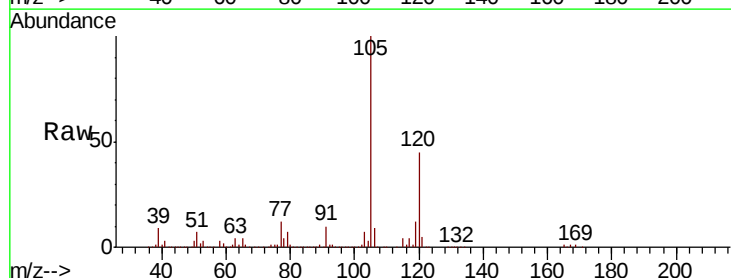
Acq: 6 Sep 2018 11:40

Tgt Ion:105 Resp: 2012865

Ion Ratio Lower Upper

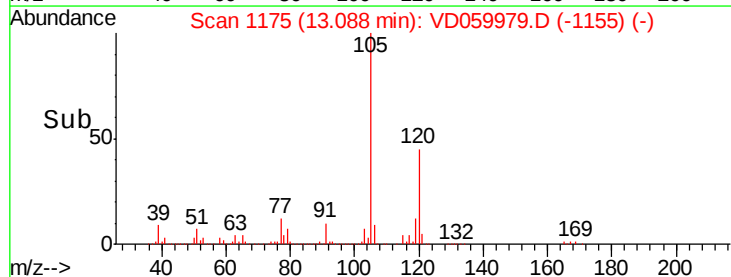
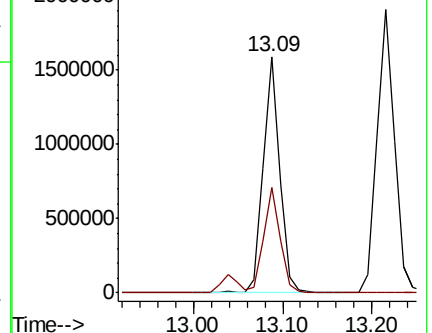
105 100

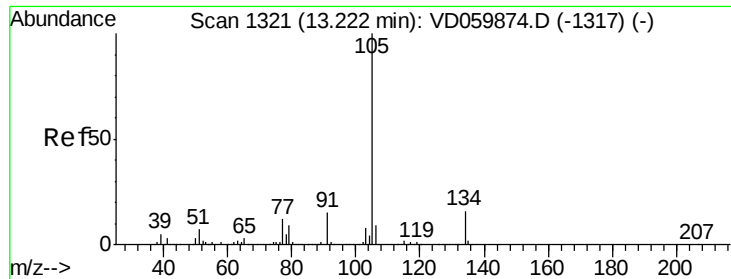
120 44.6 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





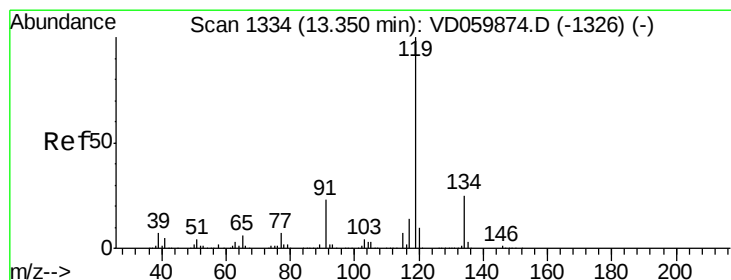
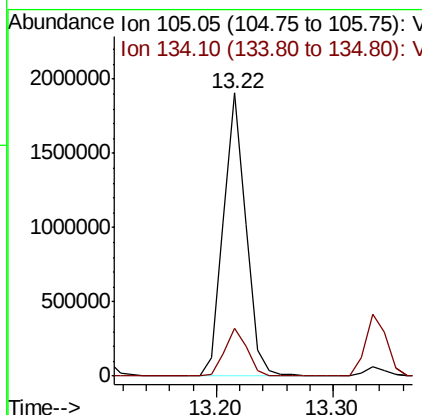
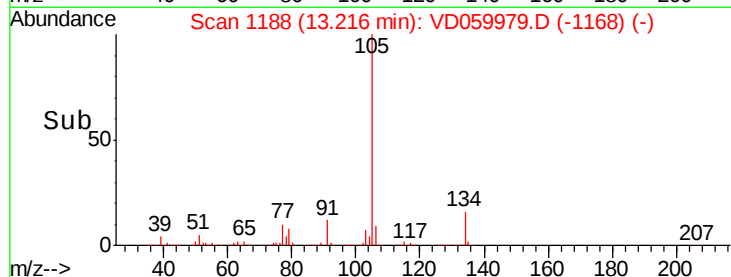
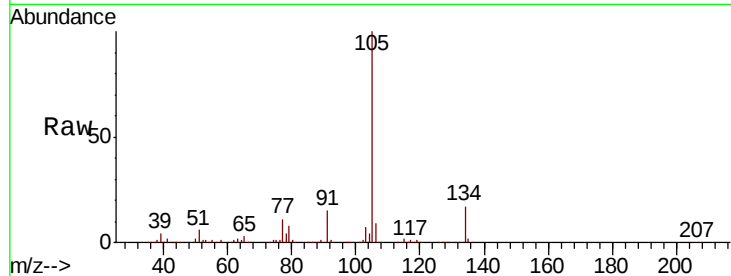
#85
 sec-Butylbenzene
 Concen: 47.67 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2551427
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.4

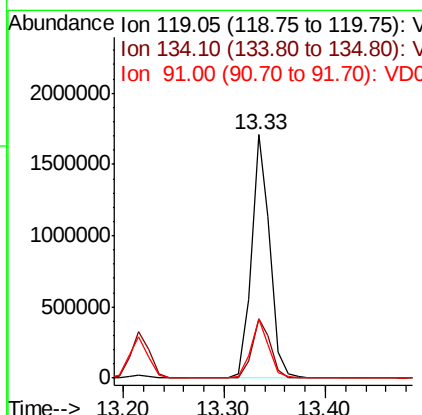
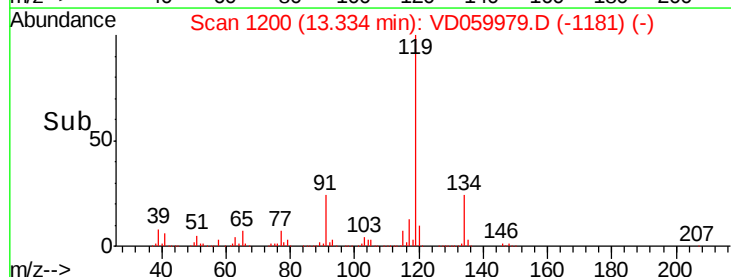
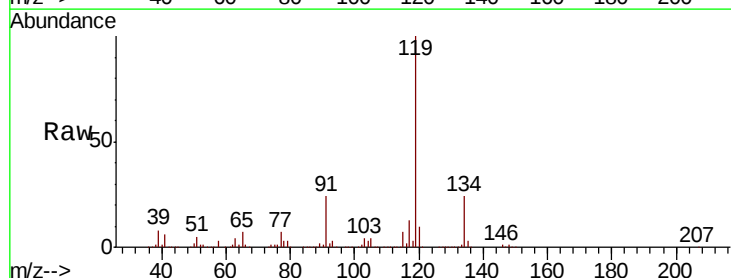
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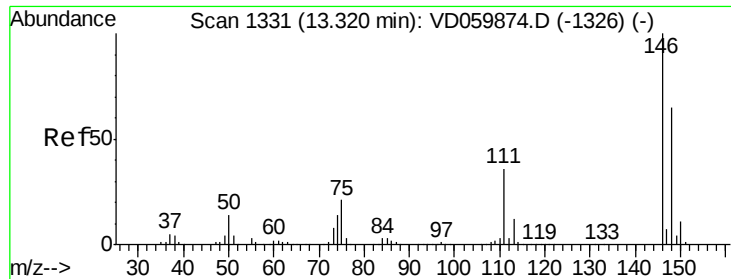
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#86
 p-Isopropyltoluene
 Concen: 49.68 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion:119 Resp: 2162543
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.7 38.1
 91 24.1 11.7 35.0





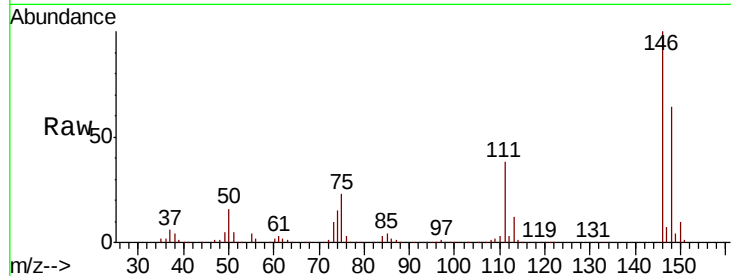
#87
 1,3-Dichlorobenzene
 Concen: 51.25 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

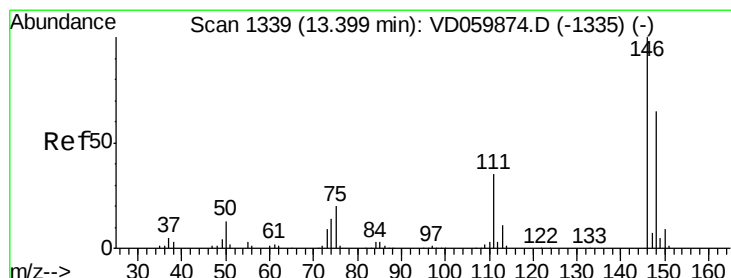
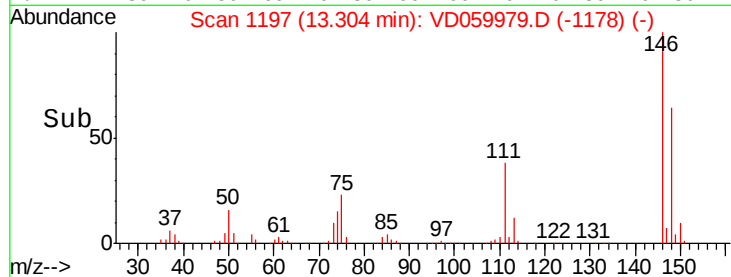
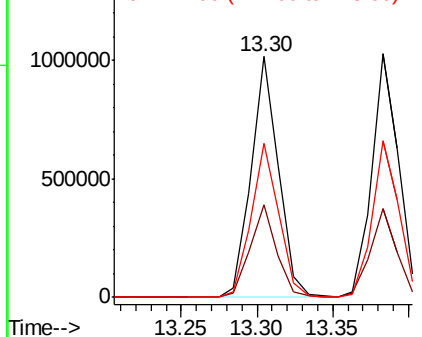
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	17.9	53.7
148	64.2	32.4	97.0

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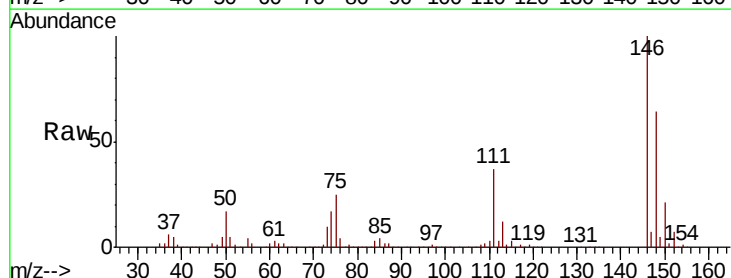


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

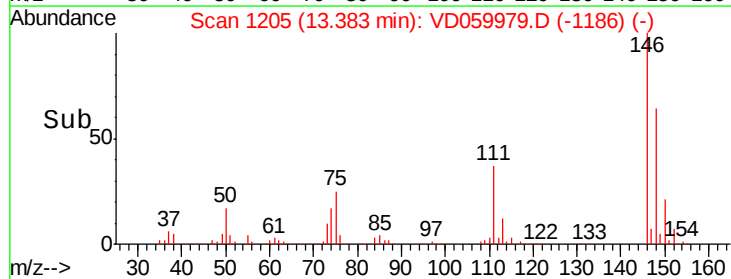
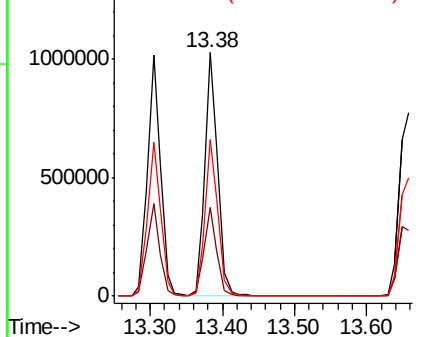


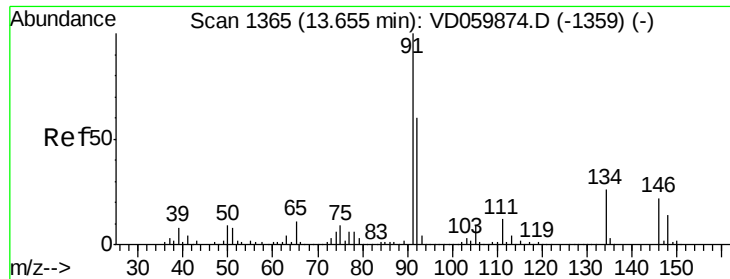
#88
 1,4-Dichlorobenzene
 Concen: 51.56 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.5	52.6
148	64.2	32.5	97.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





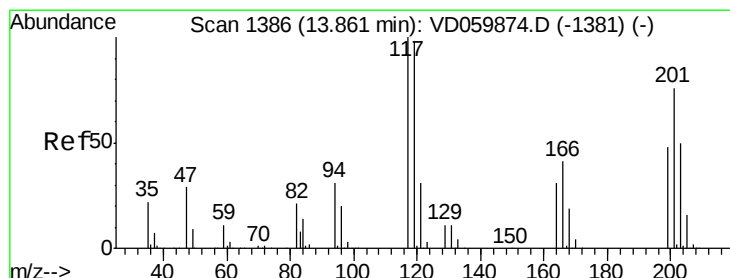
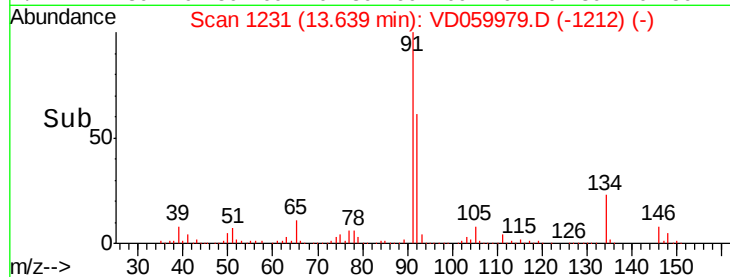
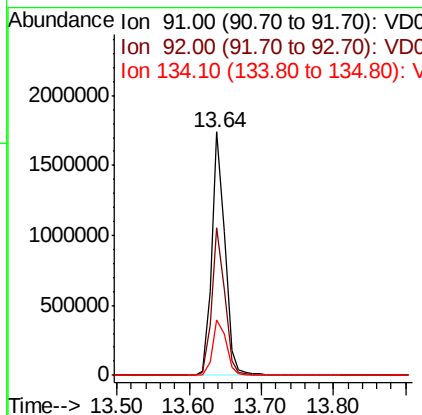
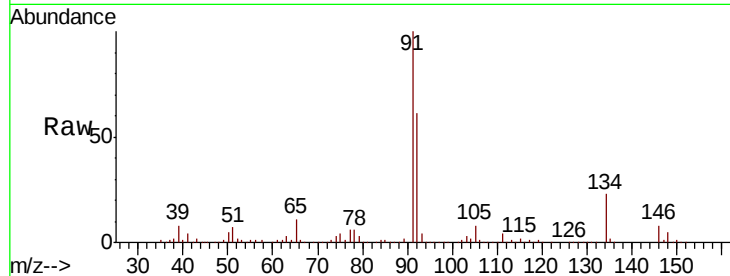
#89
n-Butylbenzene
Concen: 52.95 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2171755
Ion Ratio Lower Upper
91 100
92 60.7 30.0 90.1
134 23.0 12.8 38.4

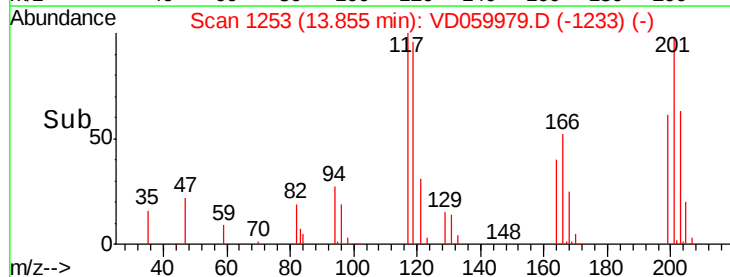
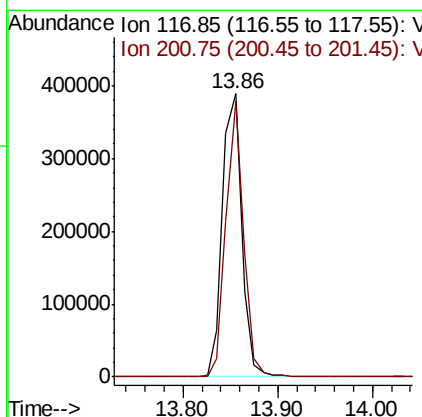
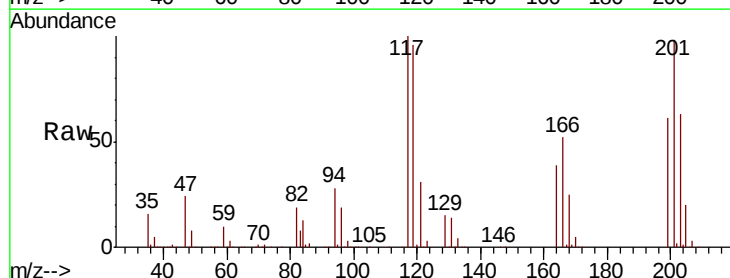
Manual Integrations
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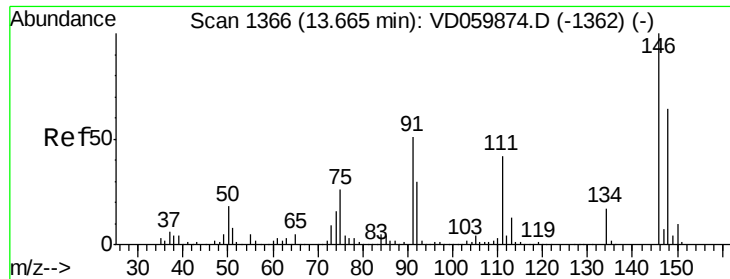
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#90
Hexachloroethane
Concen: 47.45 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion: 117 Resp: 554568
Ion Ratio Lower Upper
117 100
201 97.6 38.1 114.5





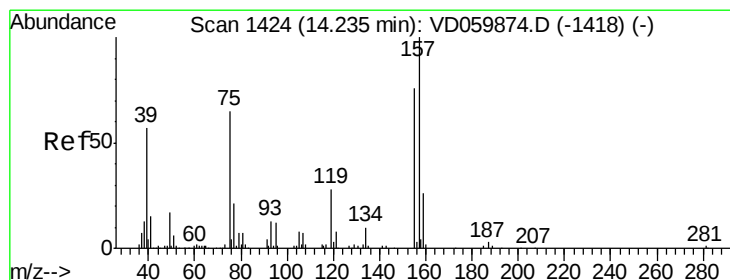
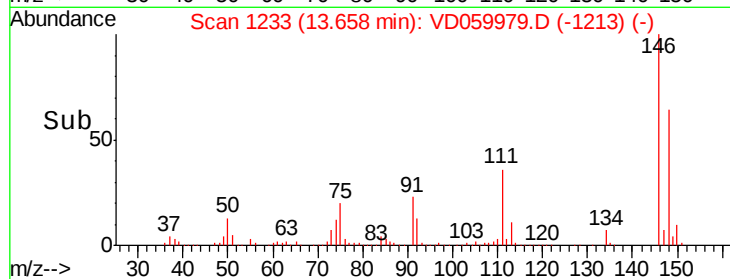
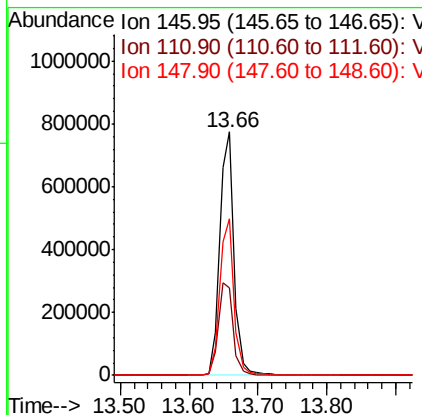
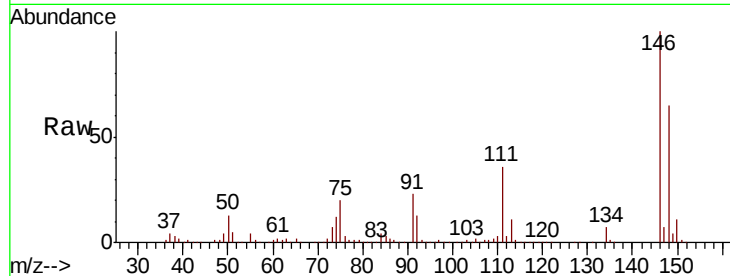
#91
 1,2-Dichlorobenzene
 Concen: 52.20 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1104126
 Ion Ratio Lower Upper
 146 100
 111 36.0 21.1 63.1
 148 64.5 32.2 96.6

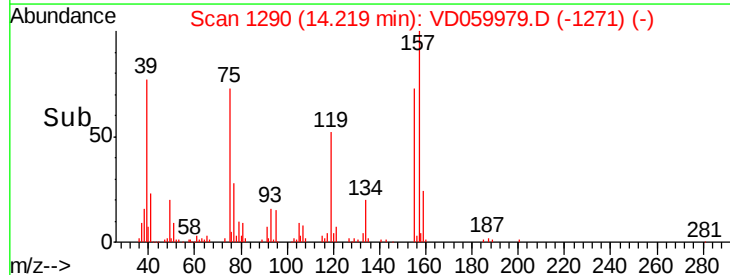
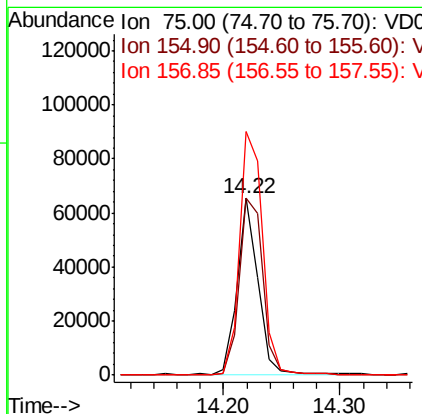
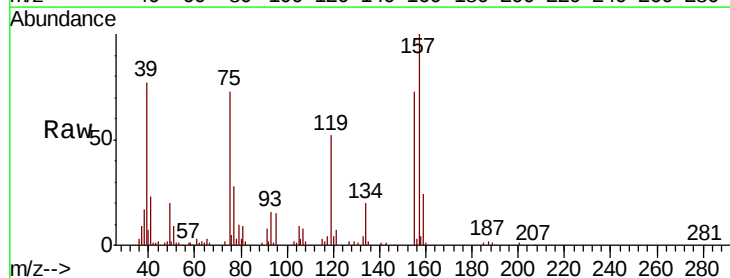
Manual Integrations
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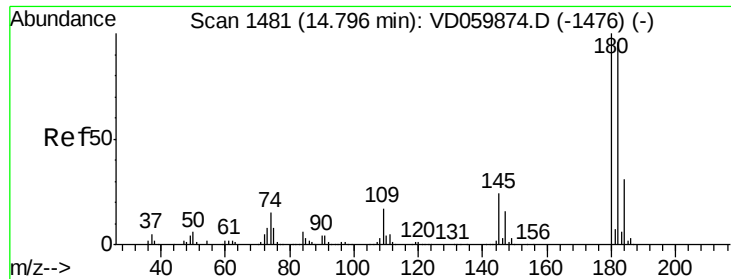
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.90 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion: 75 Resp: 82037
 Ion Ratio Lower Upper
 75 100
 155 100.2 58.2 174.6
 157 137.9 76.8 230.4





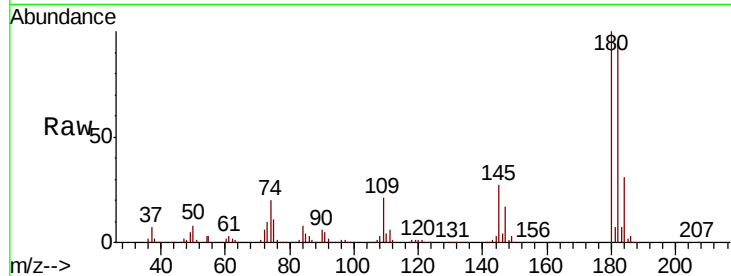
#93
 1,2,4-Trichlorobenzene
 Concen: 51.95 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.02 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	940719		
182	94.8	47.9	143.7	
145	26.7	12.2	36.4	

Manual Integrations
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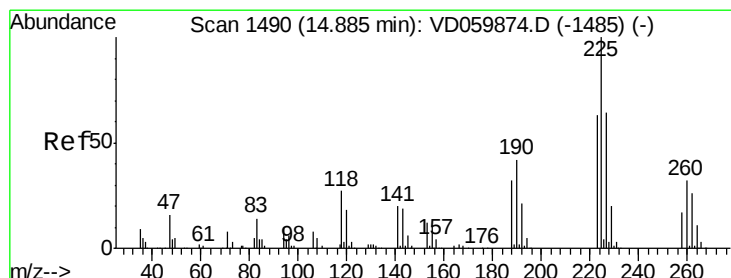
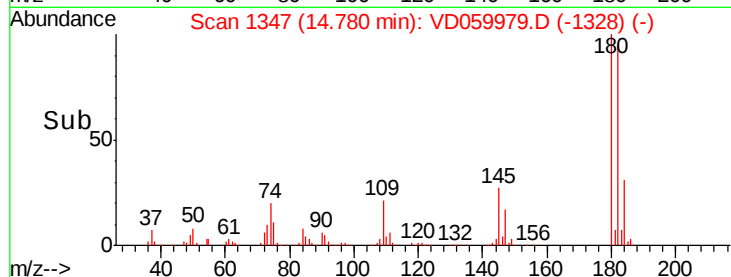
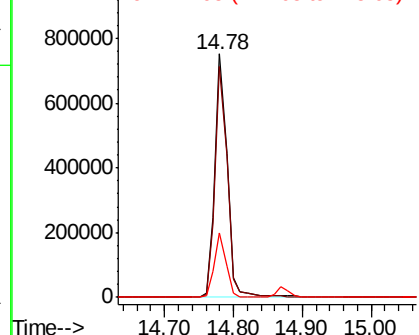


Abundance

Ion 179.85 (179.55 to 180.55): V

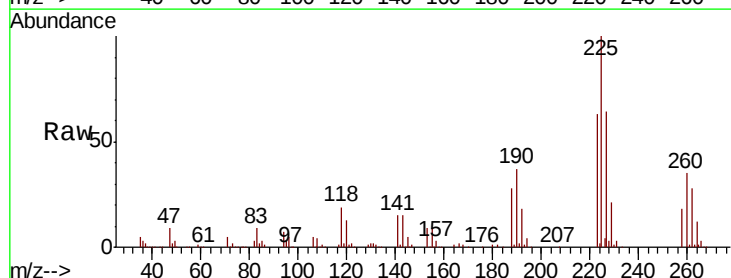
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 52.44 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD059979.D
 Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	622500		
223	62.8	31.6	94.8	
227	63.8	32.0	96.0	

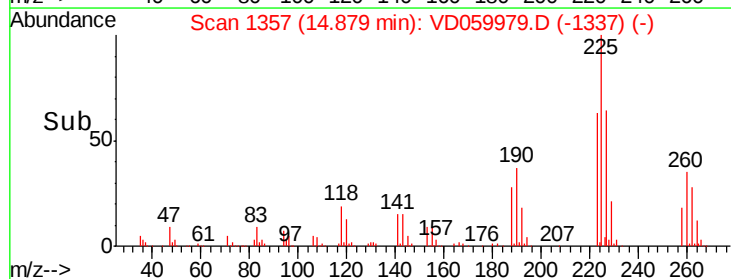
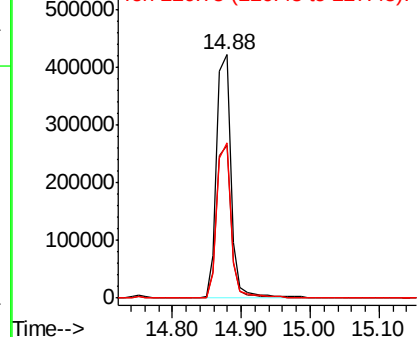


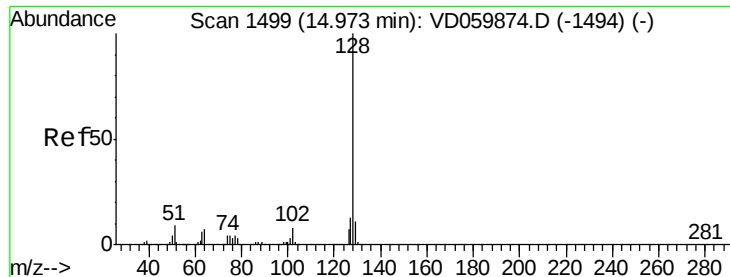
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





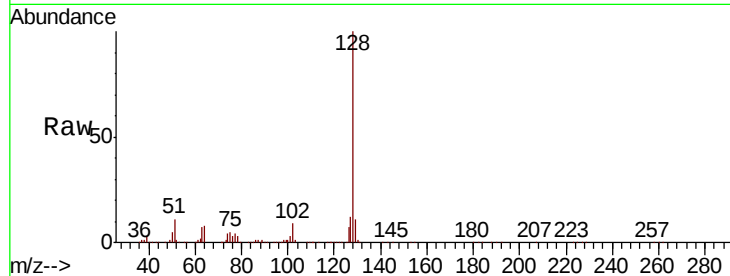
#95
Naphthalene
Concen: 52.77 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

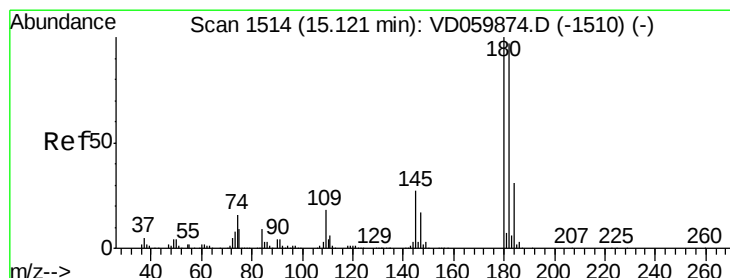
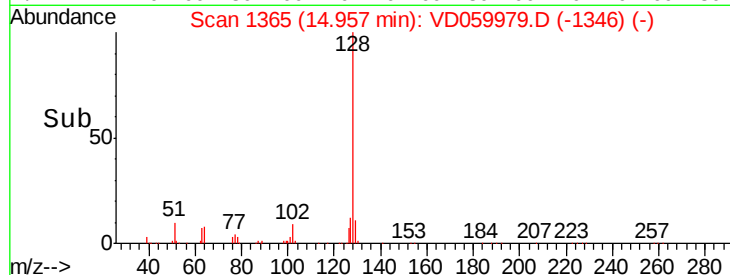
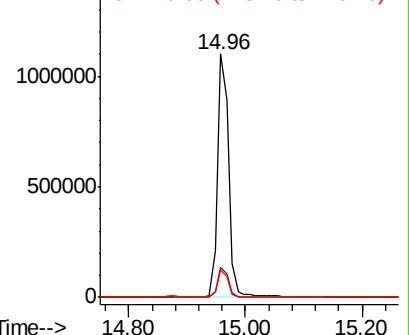
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	11.0	8.6	13.0

Manual Integrations
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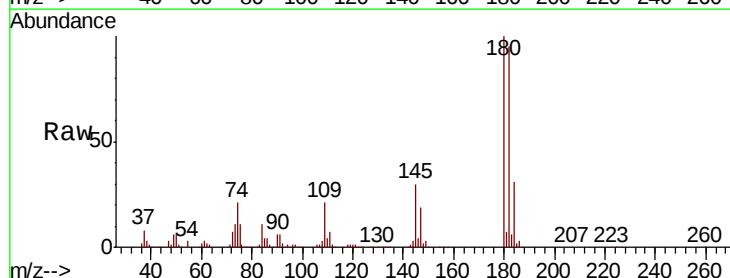


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.88 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.02 min
Lab File: VD059979.D
Acq: 6 Sep 2018 11:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.6	145.8
145	29.9	13.6	40.8



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

