

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059908.D
 Acq On : 27 Aug 2018 11:14
 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
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 8/28/2018 2:12:24 PM

Quant Time: Aug 27 14:54:46 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	6.39	168	1327748	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1807546	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1487429	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	803782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	552814	49.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	6.30	113	720587	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	9.44	98	2019823	51.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.43	95	787614	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	558314	47.04	ug/l	96
3) Chloromethane	1.75	50	490820	45.65	ug/l	98
4) Vinyl Chloride	1.84	62	428494	50.83	ug/l	98
5) Bromomethane	2.13	94	64781	44.51	ug/l	95
6) Chloroethane	2.24	64	124278	44.35	ug/l	98
7) Trichlorofluoromethane	2.49	101	497959	51.06	ug/l	97
8) Diethyl Ether	2.81	74	111983	51.18	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	305015	51.07	ug/l	97
10) Methyl Iodide	3.22	142	309238	48.70	ug/l	99
11) Tert butyl alcohol	3.95	59	227427	266.34	ug/l	99
12) 1,1-Dichloroethene	3.06	96	238931	51.38	ug/l	98
13) Acrolein	2.97	56	81399	219.79	ug/l	95
14) Allyl chloride	3.51	41	534787	50.84	ug/l	96
15) Acrylonitrile	4.06	53	814955	254.86	ug/l	99
16) Acetone	3.15	43	607241	297.84	ug/l	99
17) Carbon Disulfide	3.29	76	736348	51.02	ug/l	100
18) Methyl Acetate	3.54	43	228077	53.59	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1324769	50.36	ug/l	98
20) Methylene Chloride	3.70	84	697268	51.34	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	629456	49.13	ug/l	99
22) Diisopropyl ether	4.84	45	2727677	50.84	ug/l	98
23) Vinyl Acetate	4.79	43	7774918	259.24	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1167873	50.39	ug/l	99
25) 2-Butanone	5.61	43	1707255	282.73	ug/l	97
26) 2,2-Dichloropropane	5.57	77	942824	48.66	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	703617	50.16	ug/l	99
28) Bromochloromethane	5.91	49	556215	50.07	ug/l	95
29) Tetrahydrofuran	5.94	42	751902	261.55	ug/l	99
30) Chloroform	6.09	83	1213496	51.52	ug/l	98
31) Cyclohexane	6.35	56	981217	46.05	ug/l	98
32) 1,1,1-Trichloroethane	6.27	97	1008045	50.42	ug/l	98
36) 1,1-Dichloropropene	6.51	75	823900	50.28	ug/l	98
37) Ethyl Acetate	5.68	43	646919	50.74	ug/l	99
38) Carbon Tetrachloride	6.48	117	819335	49.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	900255	50.85	ug/l	99
40) Benzene	6.78	78	2216241	52.02	ug/l	100
41) Methacrylonitrile	5.91	41	282815m	44.03	ug/l	
42) 1,2-Dichloroethane	6.88	62	706376	51.65	ug/l	98
43) Isopropyl Acetate	8.34	43	874423	52.71	ug/l	100
44) Trichloroethene	7.73	130	639661	50.99	ug/l	97
45) 1,2-Dichloropropane	8.10	63	627145	52.66	ug/l	97
46) Dibromomethane	8.20	93	397400	51.90	ug/l	96
47) Bromodichloromethane	8.48	83	903980	52.15	ug/l	100
48) Methyl methacrylate	8.23	41	501651	51.88	ug/l	99
49) 1,4-Dioxane	8.21	88	92962	1076.83	ug/l #	91
51) 4-Methyl-2-Pentanone	9.33	43	3408832	275.65	ug/l	100
52) Toluene	9.54	92	1401656	51.31	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	839757	52.37	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	969804	52.17	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	488412	48.91	ug/l	97
56) Ethyl methacrylate	10.02	69	597942	51.88	ug/l	99
57) 1,3-Dichloropropane	10.38	76	755227	52.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1454657	263.10	ug/l	98
59) 2-Hexanone	10.49	43	2573477	282.13	ug/l	99
60) Dibromochloromethane	10.63	129	664734	52.96	ug/l	99
61) 1,2-Dibromoethane	10.75	107	526464	52.14	ug/l	98
64) Tetrachloroethene	10.24	164	596084	51.83	ug/l	99
65) Chlorobenzene	11.30	112	1559240	52.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	560174	51.87	ug/l	99
67) Ethyl Benzene	11.42	91	2530702	50.89	ug/l	98
68) m/p-Xylenes	11.56	106	1880356	103.86	ug/l	100
69) o-Xylene	11.93	106	944764	53.35	ug/l	99
70) Styrene	11.95	104	1604173	52.32	ug/l	100
71) Bromoform	12.11	173	504555	54.00	ug/l	98
73) Isopropylbenzene	12.27	105	2547112	49.64	ug/l	100
74) N-amyl acetate	12.13	43	1136207	50.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	620664	52.30	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	645297	51.65	ug/l	100
77) Bromobenzene	12.53	156	746097	52.45	ug/l	96
78) n-propylbenzene	12.63	91	3175809	48.88	ug/l	100
79) 2-Chlorotoluene	12.70	91	1837053	50.00	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2012248	49.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	191920	49.39	ug/l	99
82) 4-Chlorotoluene	12.81	91	2055331	49.04	ug/l	99
83) tert-Butylbenzene	13.04	119	2346502	50.50	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2141253	50.36	ug/l	98
85) sec-Butylbenzene	13.21	105	2756796	50.45	ug/l	99
86) p-Isopropyltoluene	13.34	119	2251607	50.66	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	1277785	50.31	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1299890	51.30	ug/l	99
89) n-Butylbenzene	13.65	91	2215971	52.91	ug/l	100
90) Hexachloroethane	13.85	117	594684	49.83	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1114904	51.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	92991	50.96	ug/l	96

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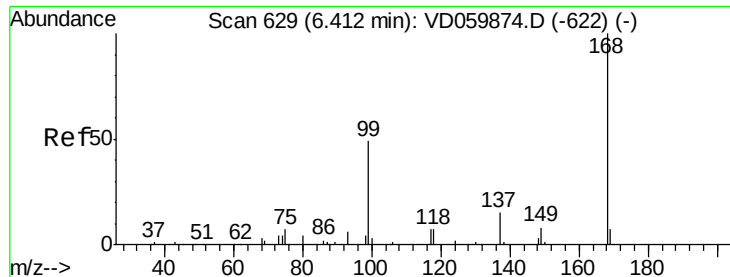
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	948702	51.31	ug/l	98
94) Hexachlorobutadiene	14.88	225	629021	51.90	ug/l	100
95) Naphthalene	14.96	128	1492942	52.84	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	806932	51.03	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1327748

Ion Ratio Lower Upper

168 100

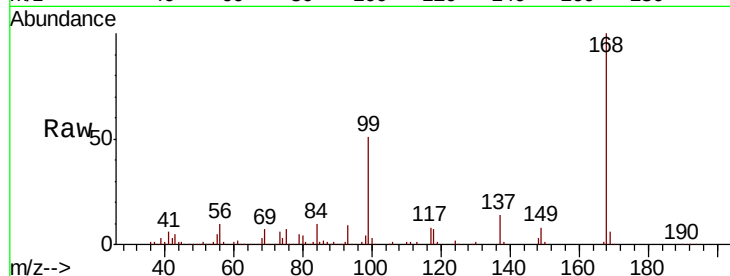
99 51.2 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

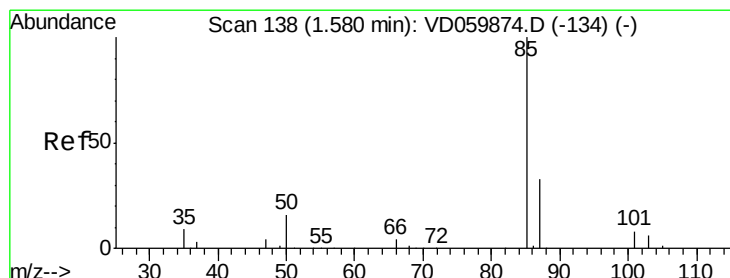
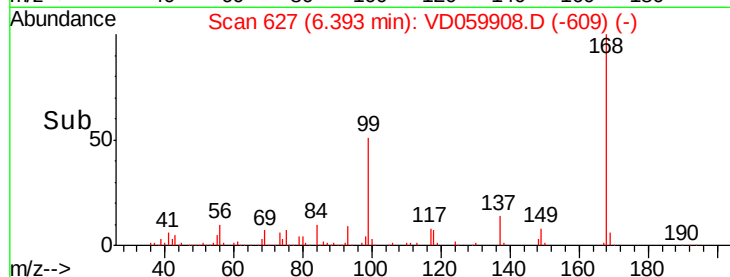
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.04 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059908.D

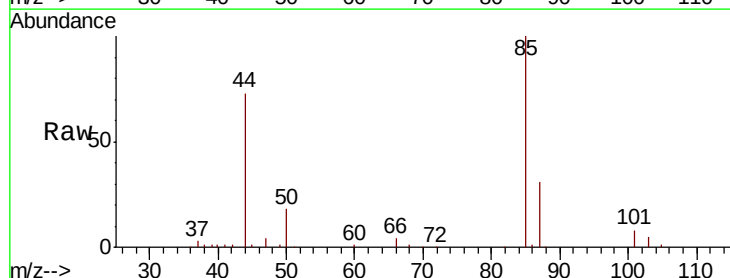
Acq: 27 Aug 2018 11:14

Tgt Ion: 85 Resp: 558314

Ion Ratio Lower Upper

85 100

87 31.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

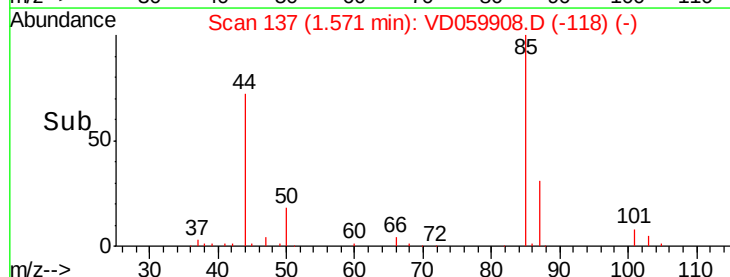
150000

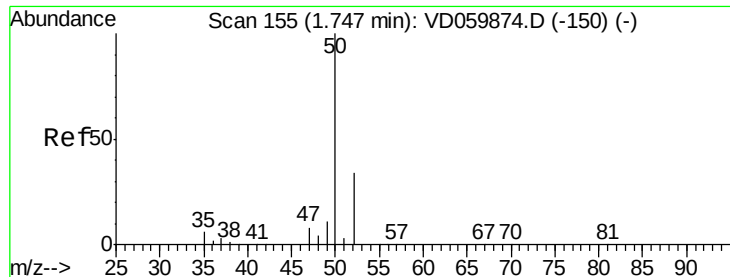
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.65 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 490820

Ion Ratio Lower Upper

50 100

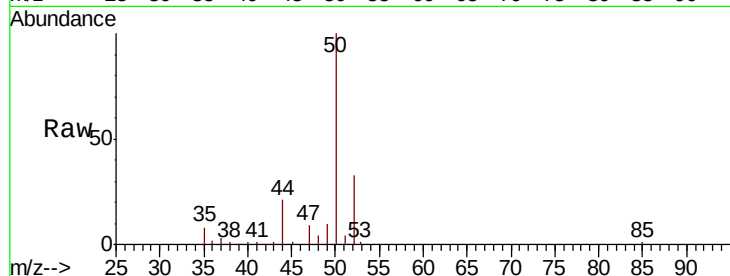
52 32.8 27.0 40.6

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

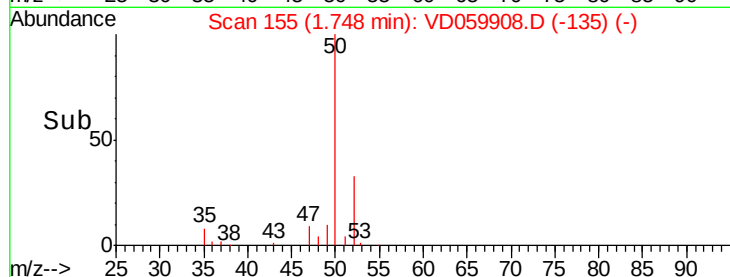
150000

100000

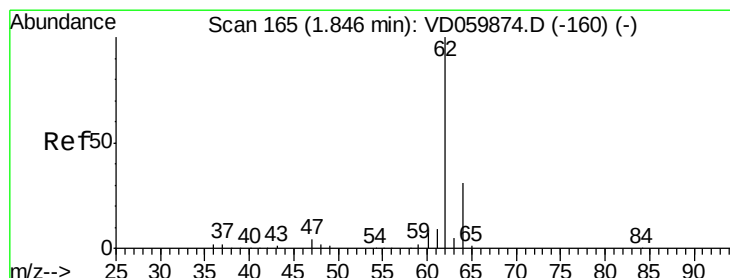
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 50.83 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059908.D

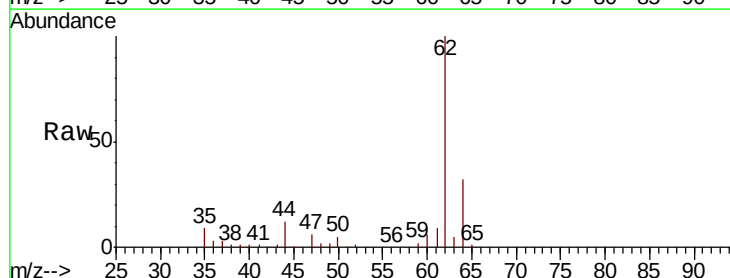
Acq: 27 Aug 2018 11:14

Tgt Ion: 62 Resp: 428494

Ion Ratio Lower Upper

62 100

64 32.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

200000

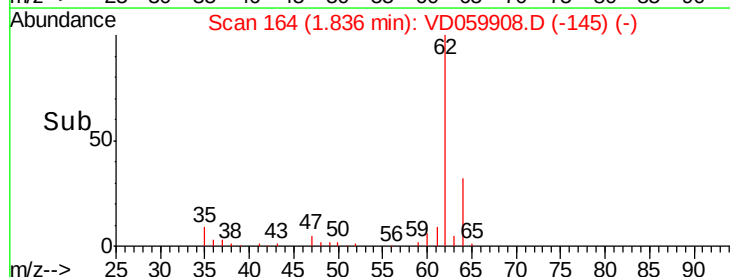
150000

100000

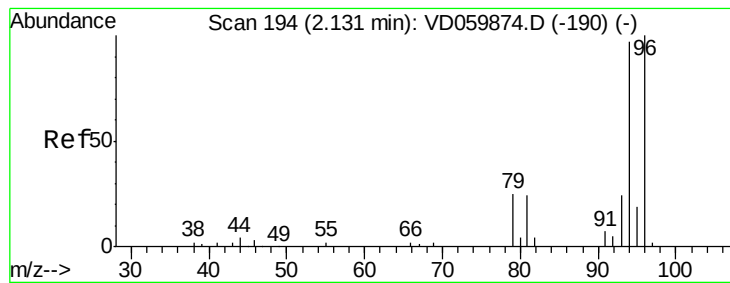
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 44.51 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64781

Ion Ratio Lower Upper

94 100

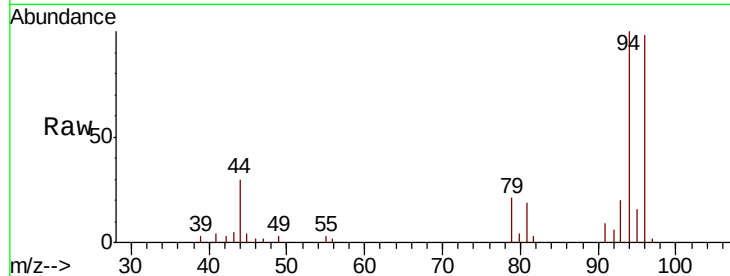
96 98.0 82.4 123.6

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

25000

20000

15000

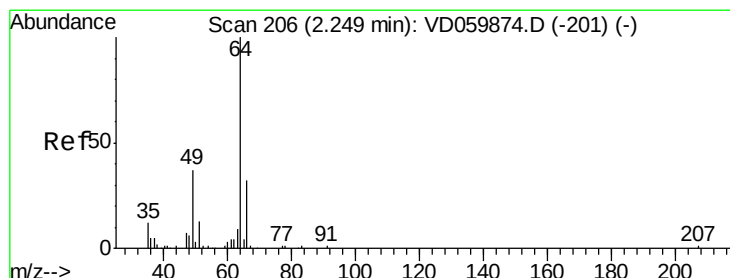
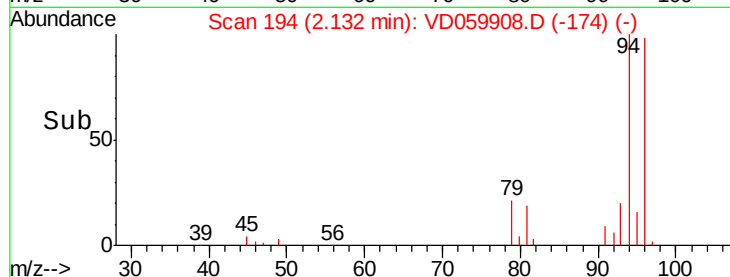
10000

5000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 44.35 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059908.D

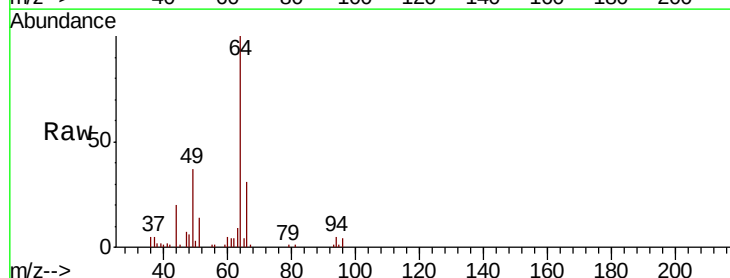
Acq: 27 Aug 2018 11:14

Tgt Ion: 64 Resp: 124278

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.24

50000

40000

30000

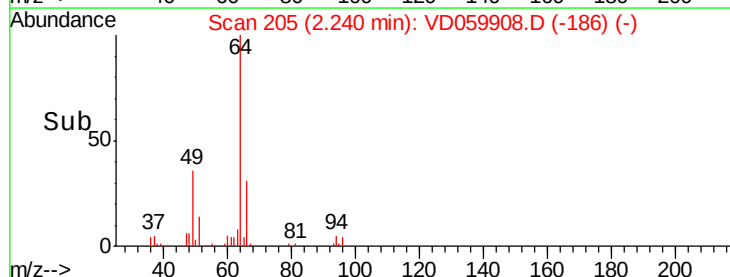
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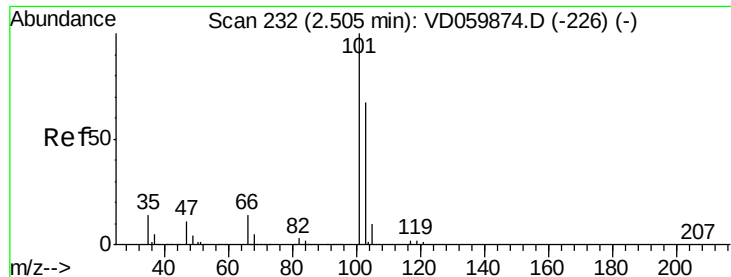
10000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 51.06 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 497959

Ion Ratio Lower Upper

101 100

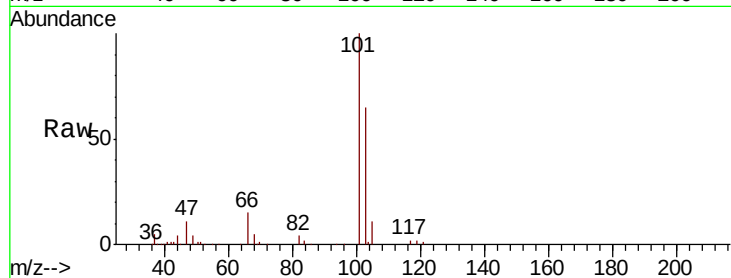
103 64.7 53.7 80.5

Manual Integrations

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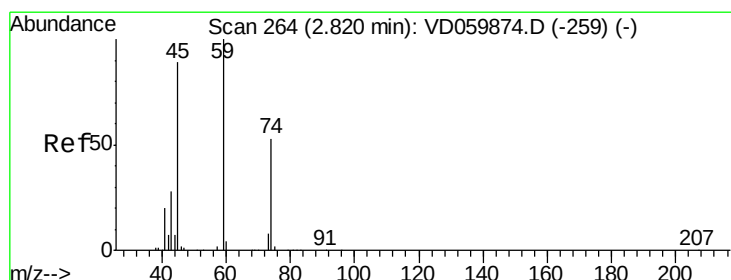
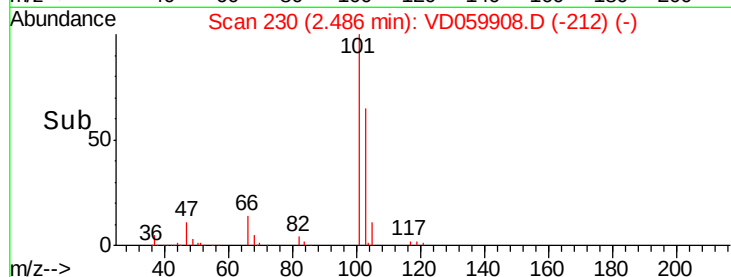
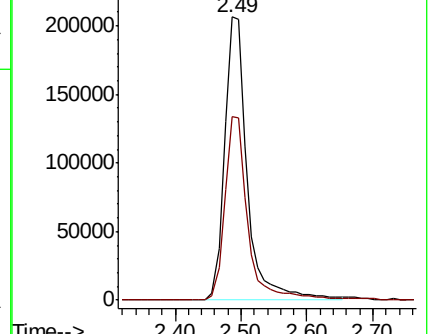
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 51.18 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059908.D

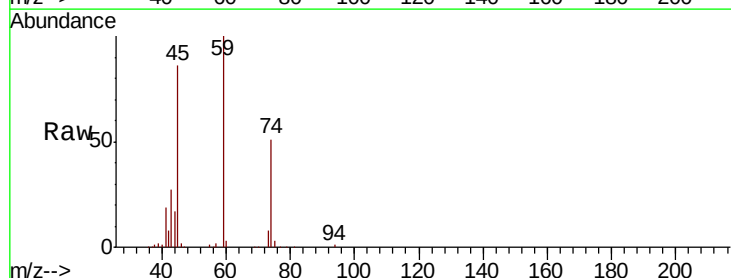
Acq: 27 Aug 2018 11:14

Tgt Ion: 74 Resp: 111983

Ion Ratio Lower Upper

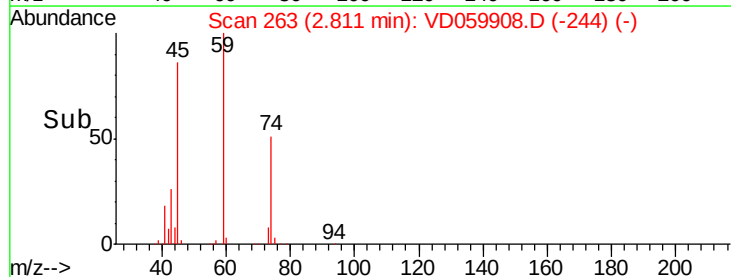
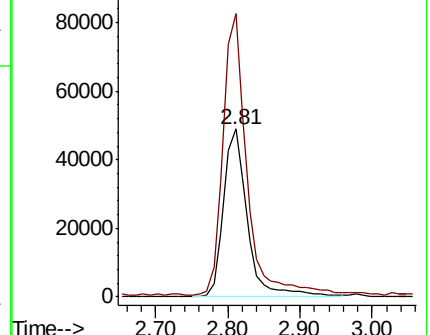
74 100

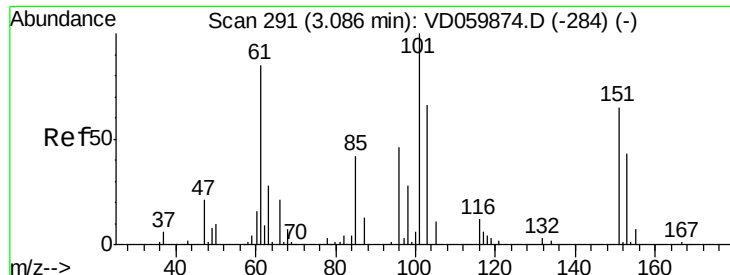
45 168.7 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.07 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

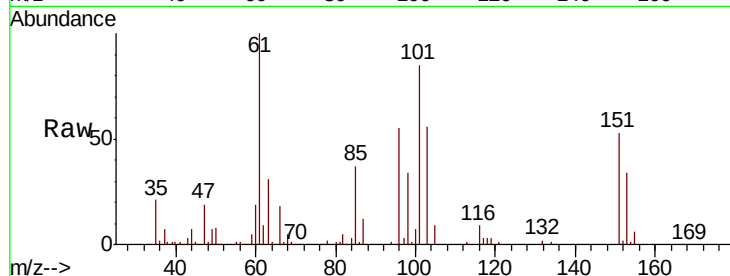
ClientSampleId :

VSTDCCC050

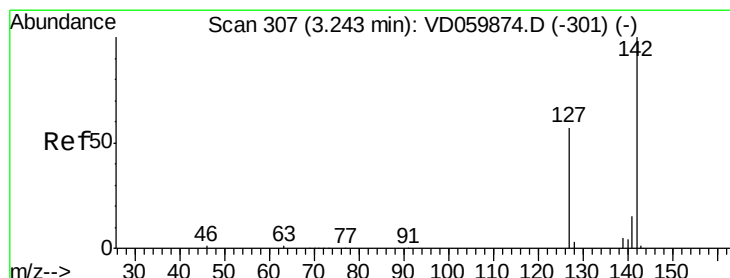
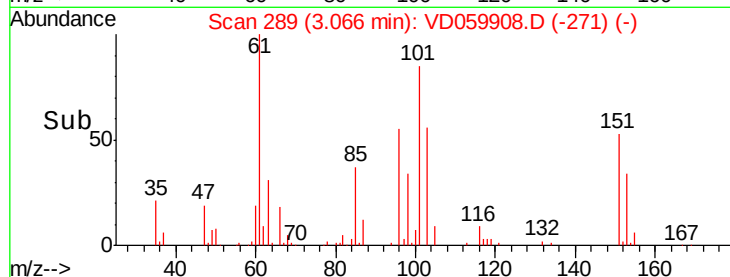
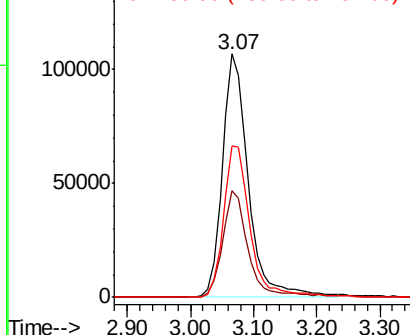
Tot Ion:	101	Resp:	305015
Ion Ratio	Lower	Upper	
101	100		
85	43.7	33.6	50.4
151	62.0	52.0	78.0

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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: 48.70 ug/l

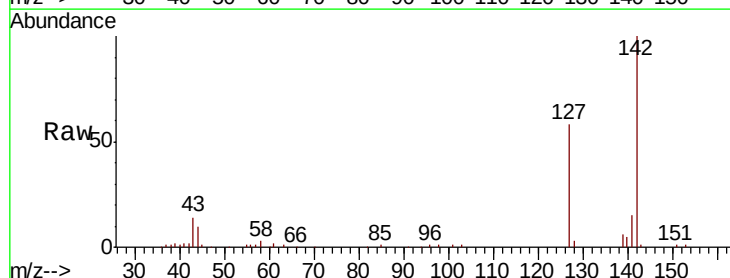
RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

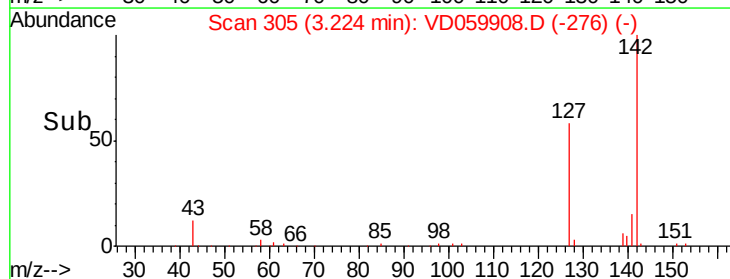
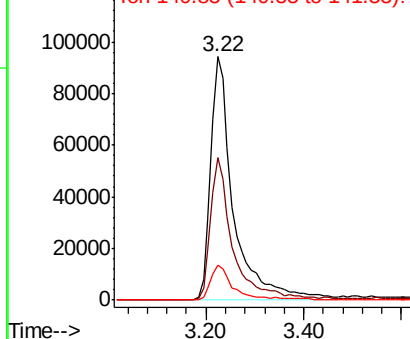
Lab File: VD059908.D

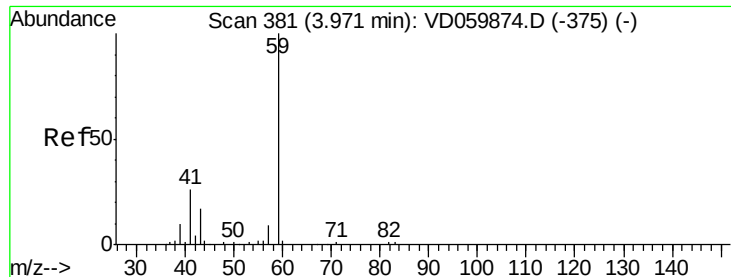
Acq: 27 Aug 2018 11:14

Tgt Ion:	142	Resp:	309238
Ion Ratio	Lower	Upper	
142	100		
127	58.3	45.8	68.6
141	14.6	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





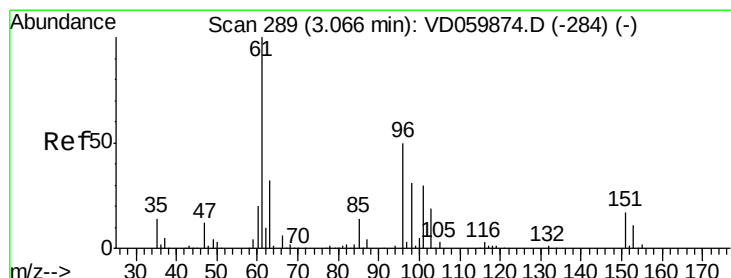
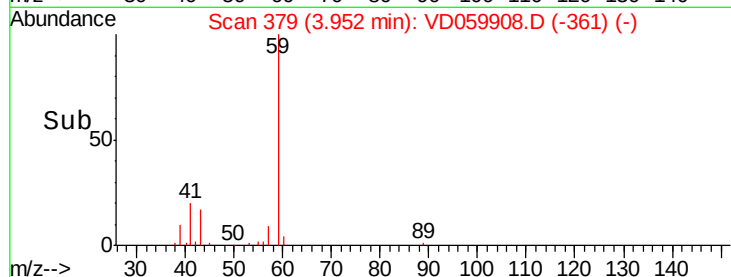
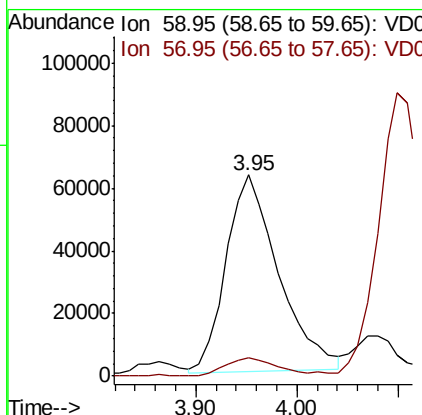
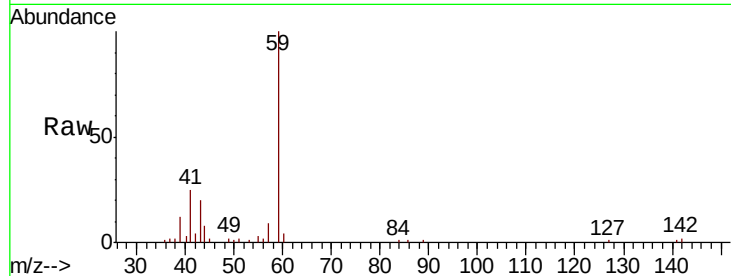
#11
Tert butyl alcohol
Concen: 266.34 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.4	11.0

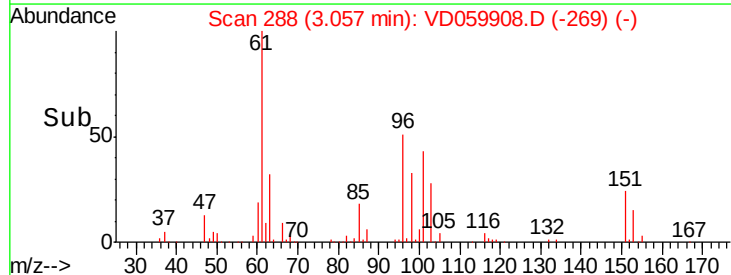
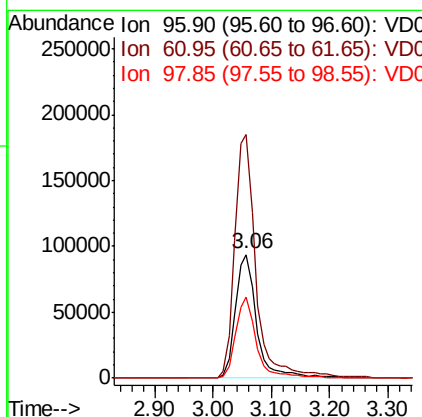
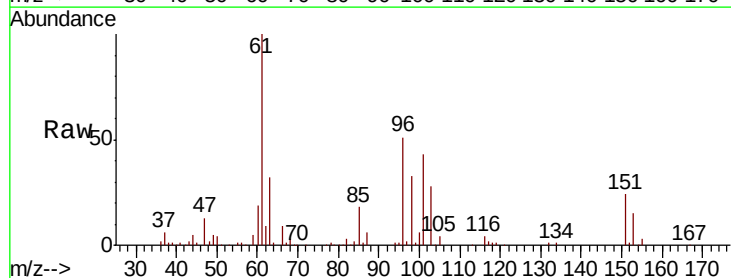
Manual Integrations
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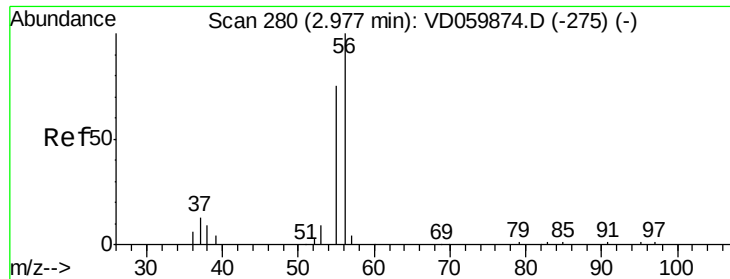
apatel
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#12
1,1-Dichloroethene
Concen: 51.38 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.7	158.8	238.2
98	65.0	48.7	73.1





#13

Acrolein

Concen: 219.79 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 81399

Ion Ratio Lower Upper

56 100

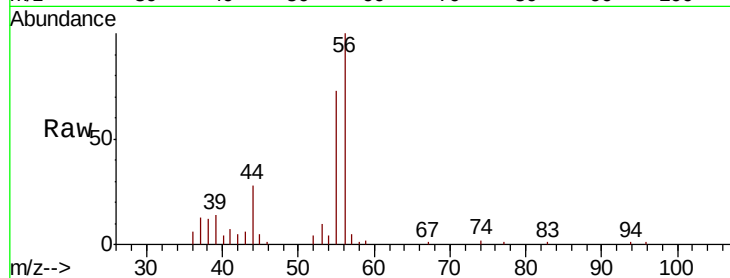
55 73.1 61.9 92.9

Manual Integrations

APPROVED

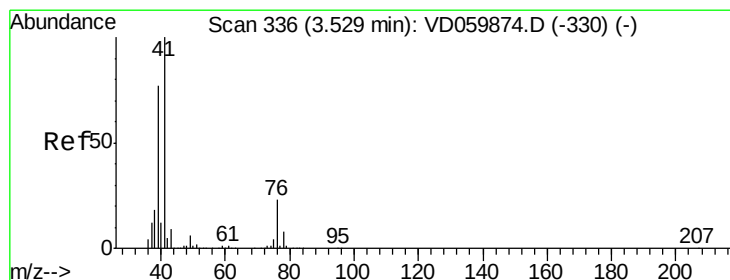
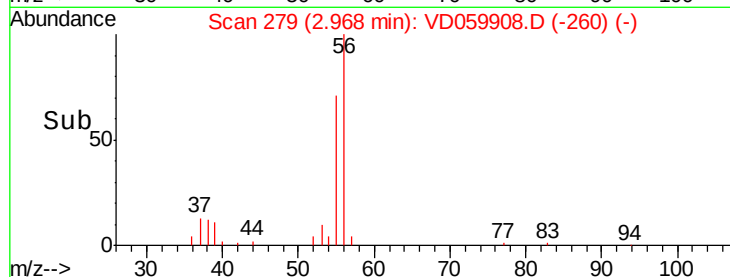
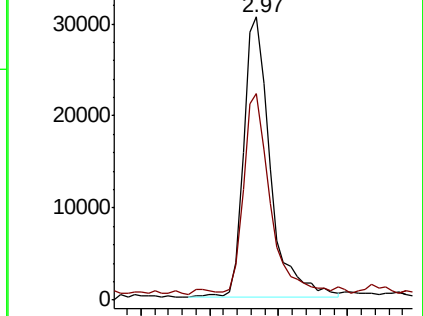
apatel

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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: 50.84 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

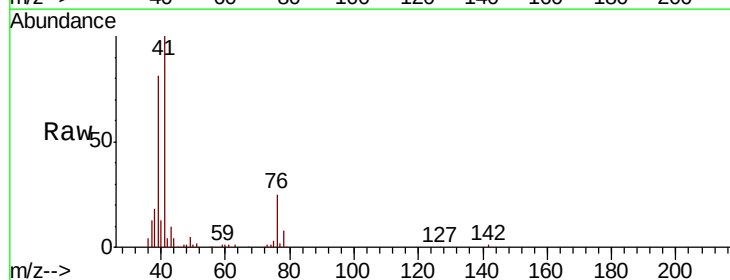
Tgt Ion: 41 Resp: 534787

Ion Ratio Lower Upper

41 100

39 81.1 61.8 92.6

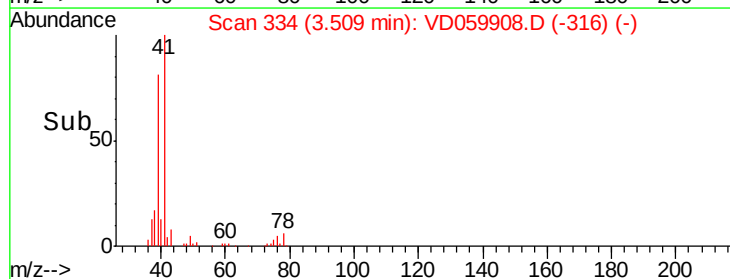
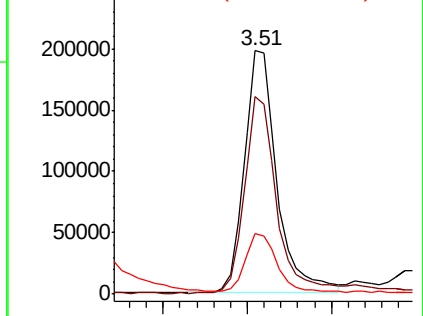
76 24.8 19.4 29.2

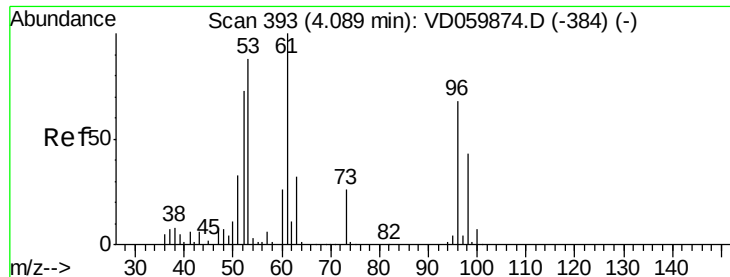


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 254.86 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

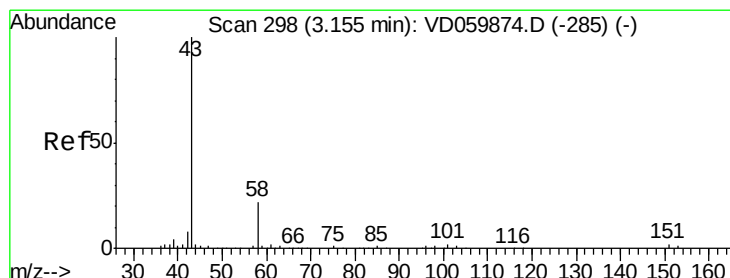
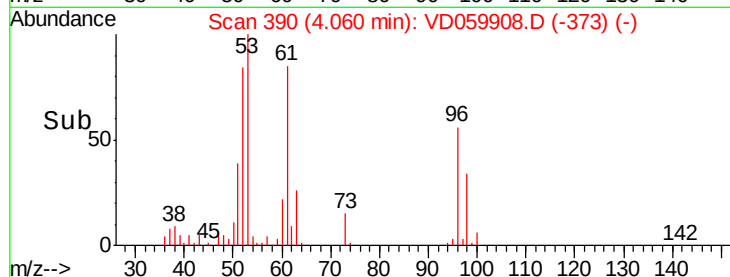
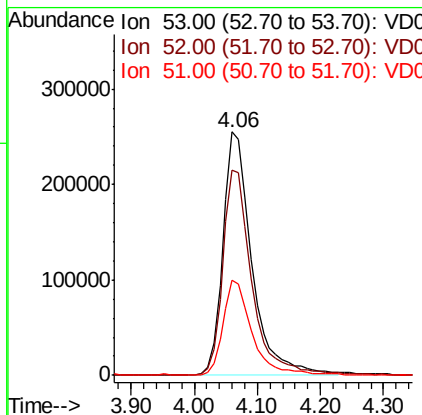
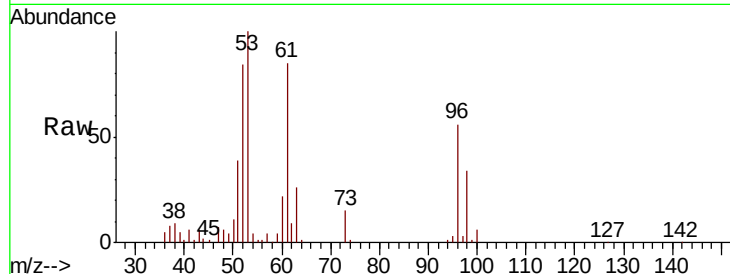
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	814955
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.9	100.3
51	38.8	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 297.84 ug/l

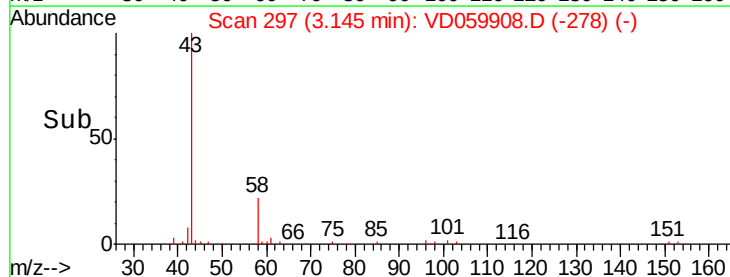
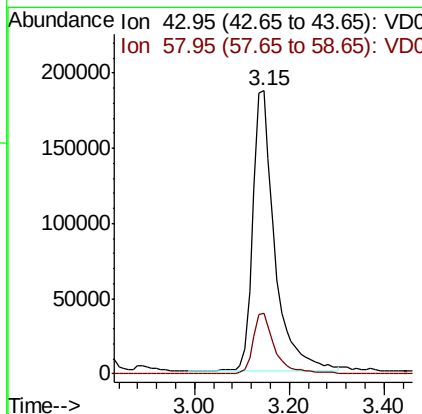
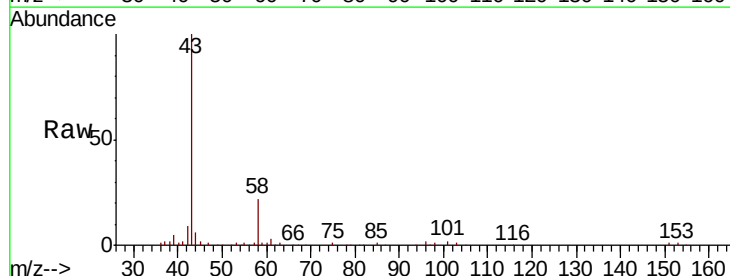
RT: 3.15 min Scan# 297

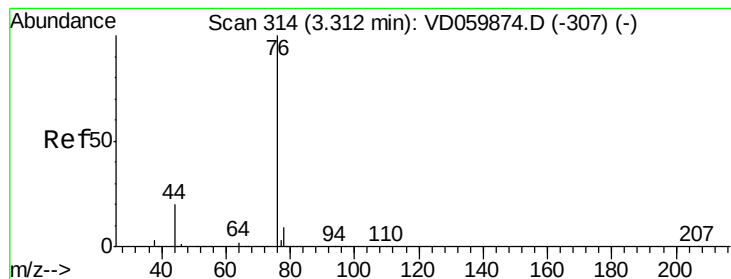
Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion:	43	Resp:	607241
Ion	Ratio	Lower	Upper
43	100		
58	21.5	17.6	26.4





#17

Carbon Disulfide

Concen: 51.02 ug/l

RT: 3.29 min Scan# 312

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 736348

Ion Ratio Lower Upper

76 100

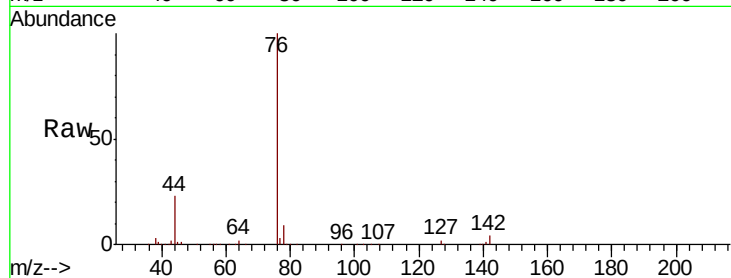
78 9.2 7.4 11.2

Manual Integrations

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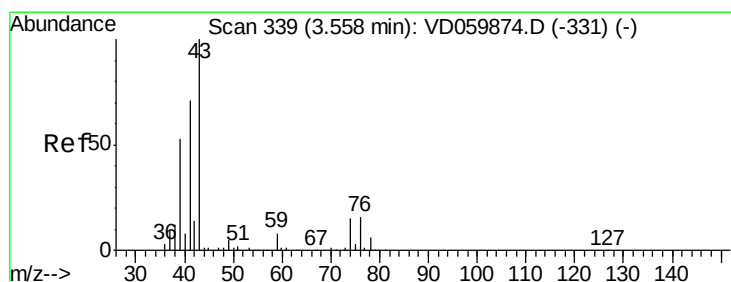
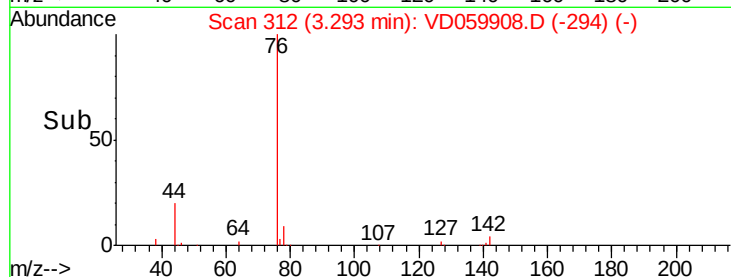
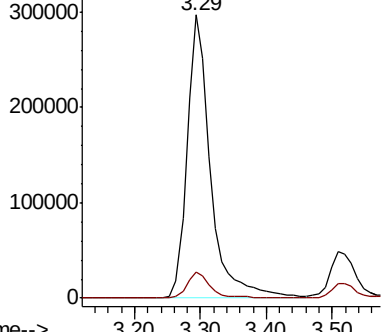
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 53.59 ug/l

RT: 3.54 min Scan# 337

Delta R.T. -0.02 min

Lab File: VD059908.D

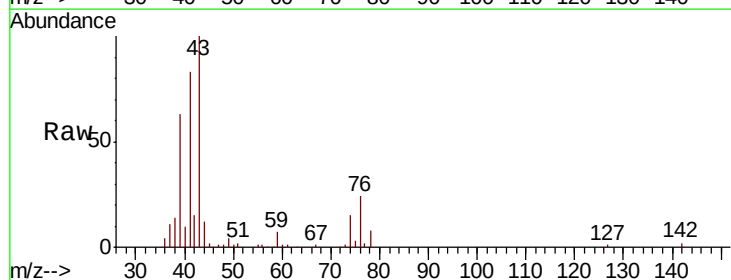
Acq: 27 Aug 2018 11:14

Tgt Ion: 43 Resp: 228077

Ion Ratio Lower Upper

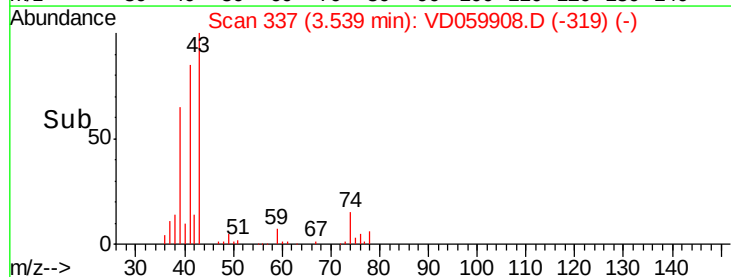
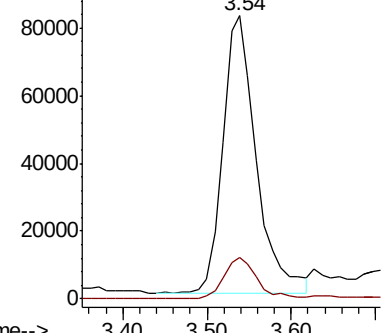
43 100

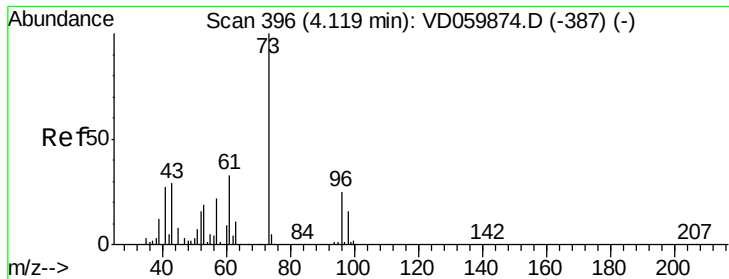
74 14.7 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

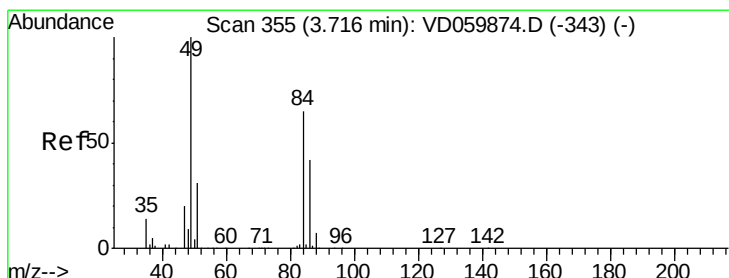
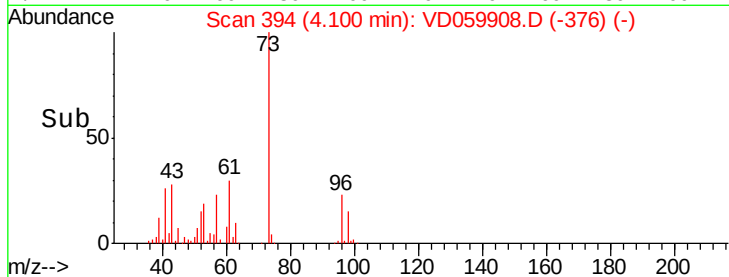
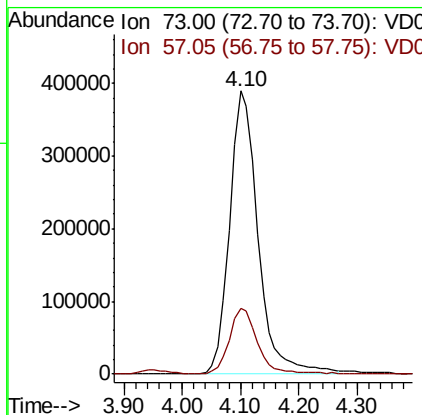
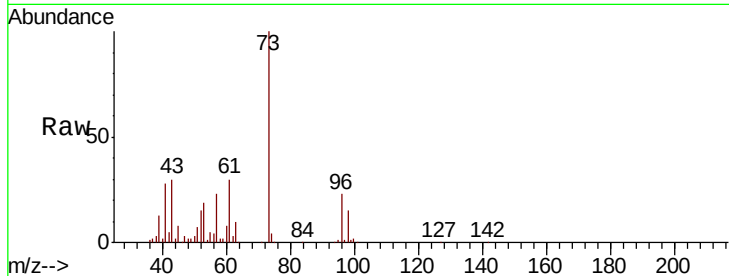
Methyl tert-butyl Ether
 Concen: 50.36 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1324769
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.9 26.9

Manual Integrations
 APPROVED

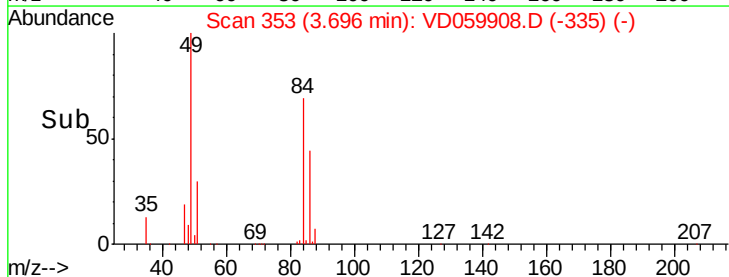
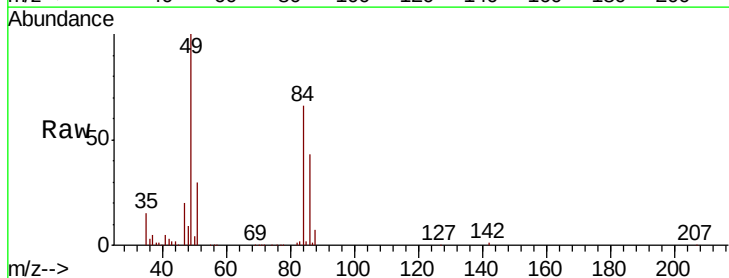
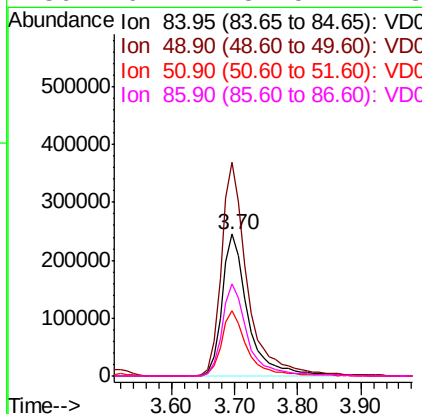
apatel
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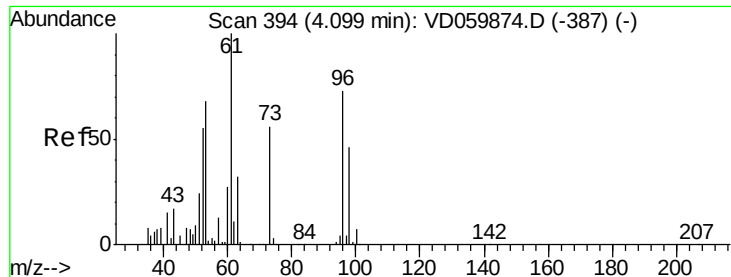


#20

Methylene Chloride
 Concen: 51.34 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 84 Resp: 697268
 Ion Ratio Lower Upper
 84 100
 49 150.4 122.6 183.8
 51 45.8 38.4 57.6
 86 64.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.13 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

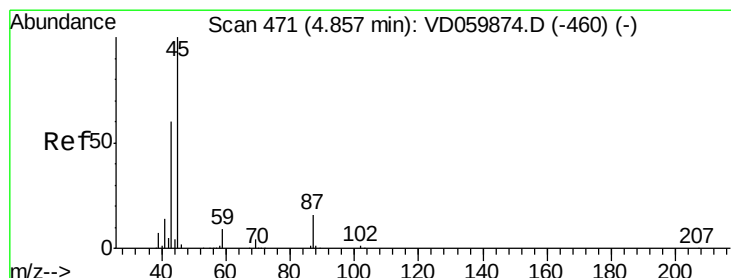
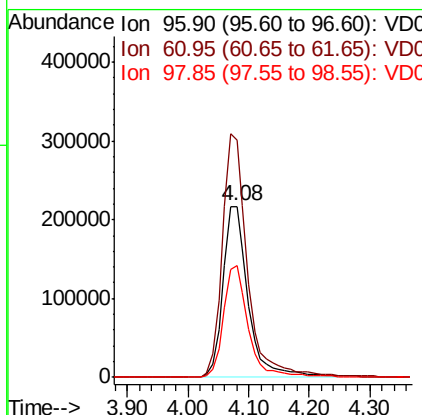
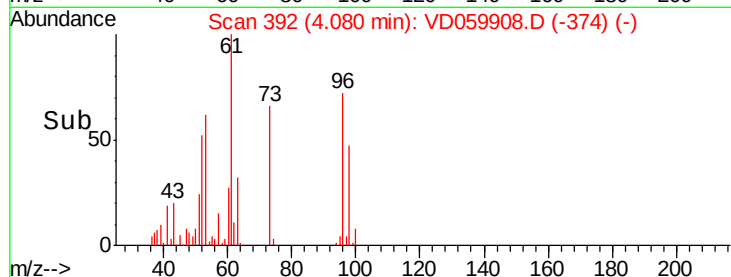
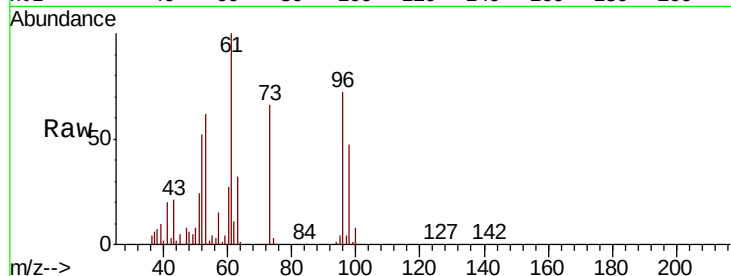
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	629456
Ion	Ratio	Lower	Upper
96	100		
61	138.6	110.2	165.4
98	65.1	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.84 ug/l

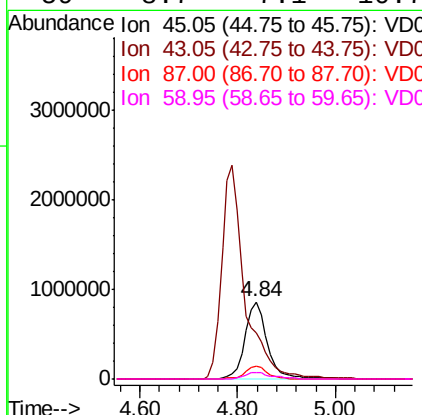
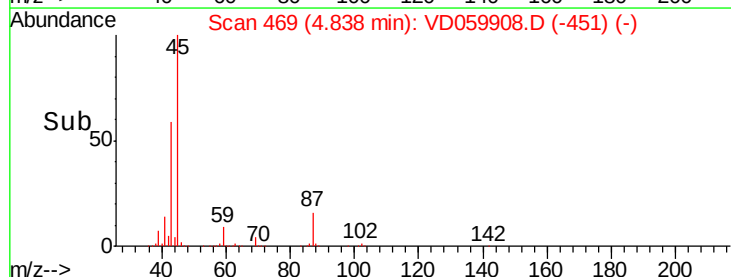
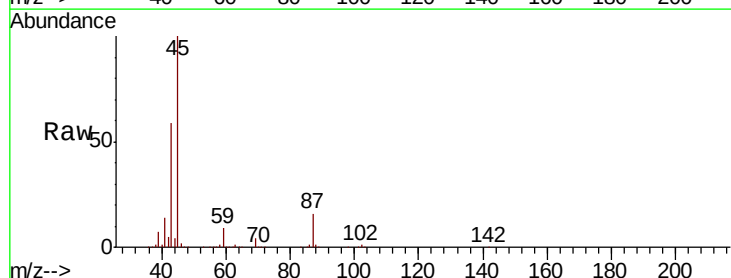
RT: 4.84 min Scan# 469

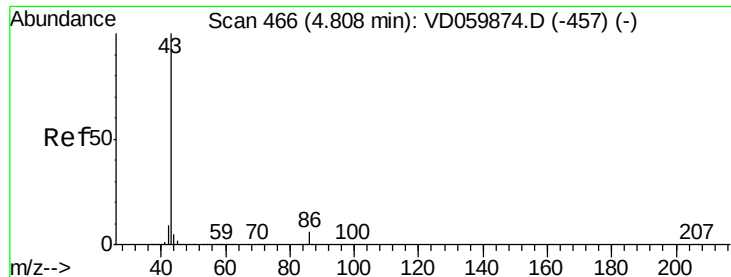
Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion:	45	Resp:	2727677
Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.6	72.8
87	16.4	13.3	19.9
59	8.7	7.1	10.7





#23

Vinyl Acetate

Concen: 259.24 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 7774918

Ion Ratio Lower Upper

43 100

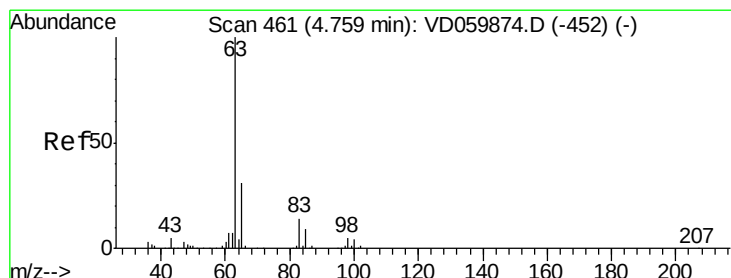
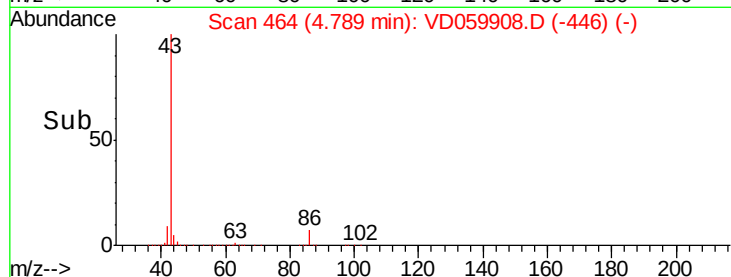
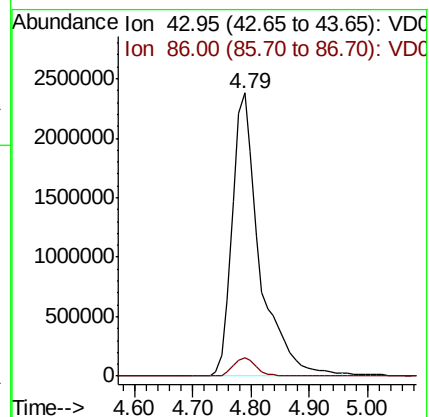
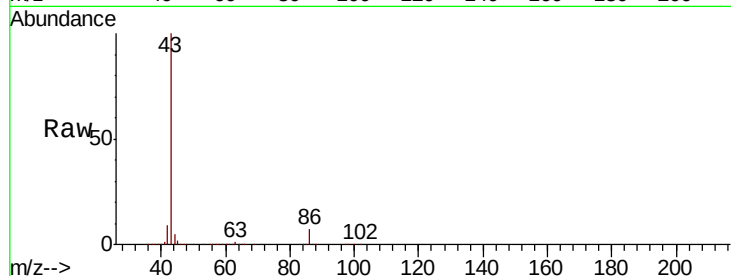
86 6.6 5.0 7.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.39 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

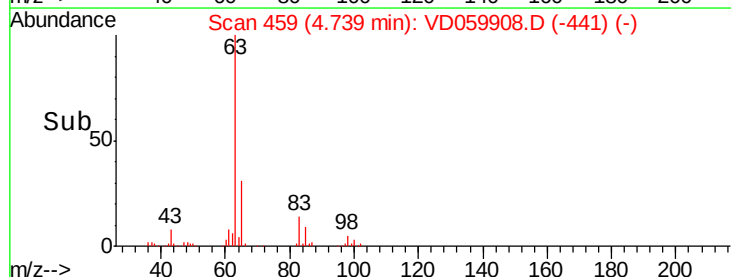
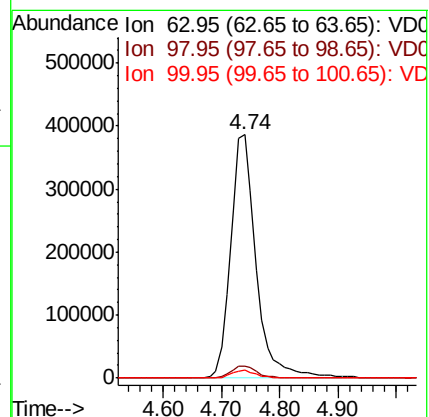
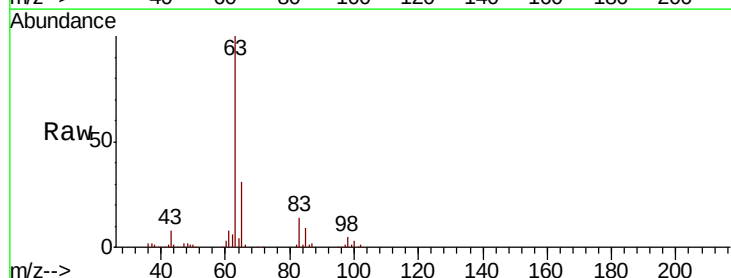
Tgt Ion: 63 Resp: 1167873

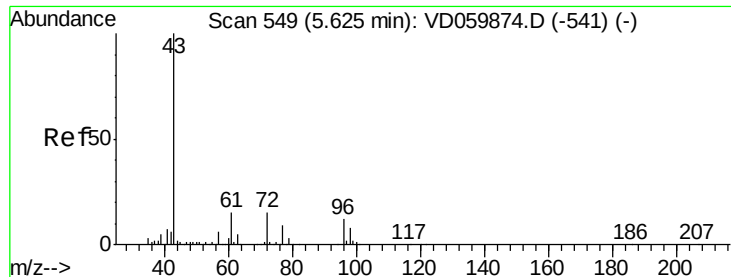
Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 282.73 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1707255

Ion Ratio Lower Upper

43 100

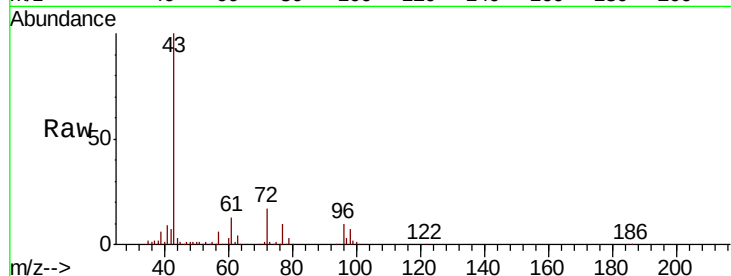
72 16.8 12.3 18.5

Manual Integrations

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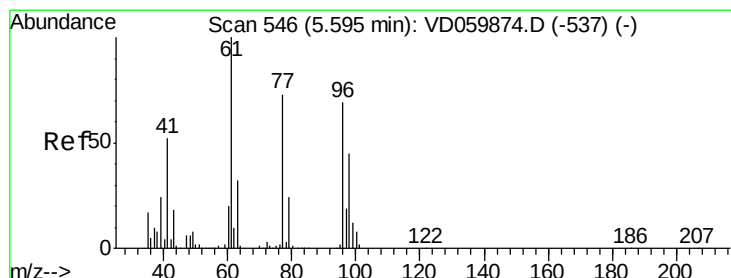
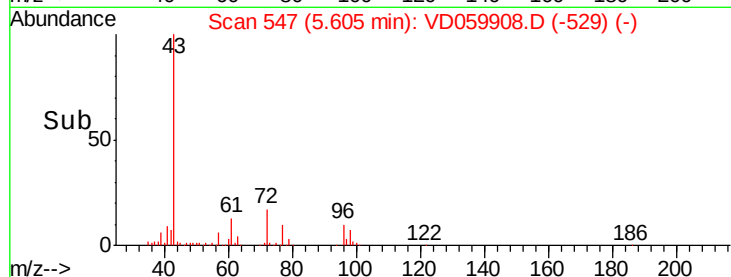
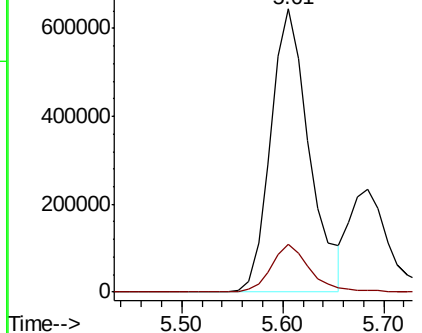
apatel

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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: 48.66 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059908.D

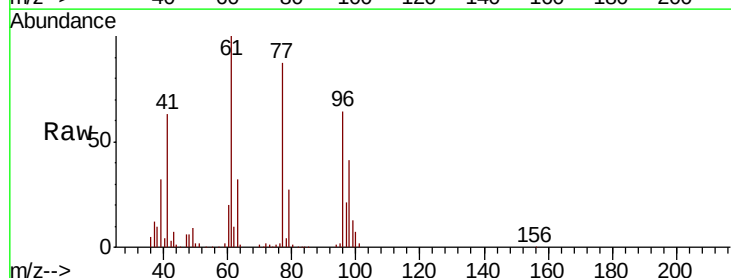
Acq: 27 Aug 2018 11:14

Tgt Ion: 77 Resp: 942824

Ion Ratio Lower Upper

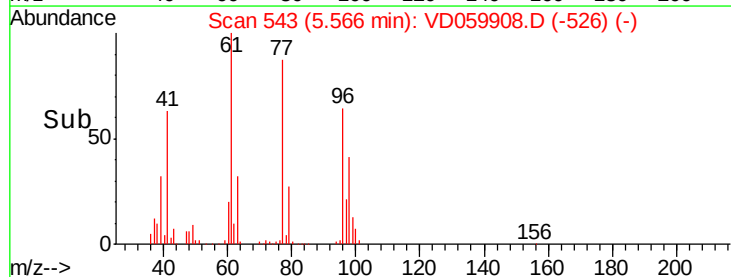
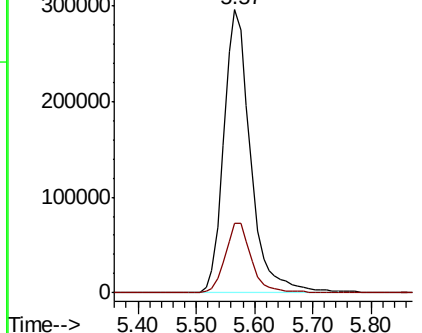
77 100

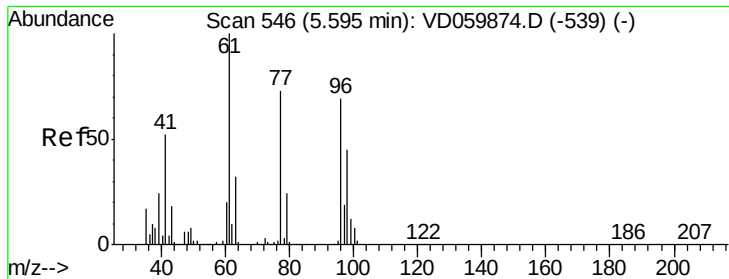
97 24.6 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





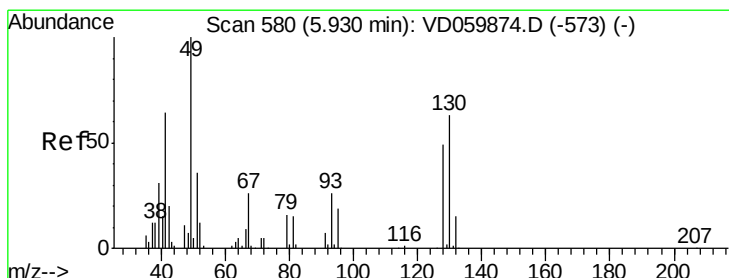
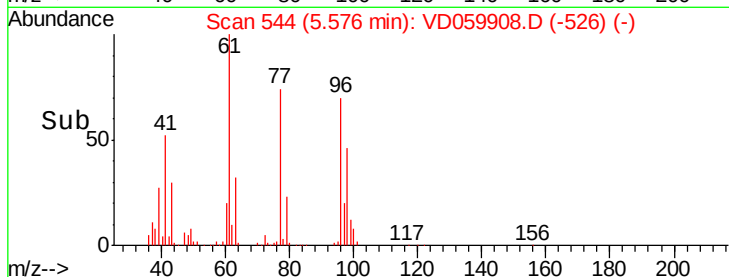
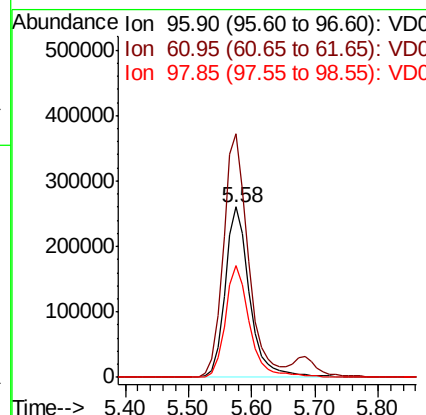
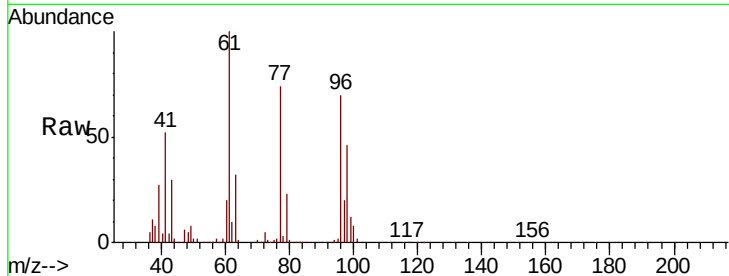
#27
 cis-1,2-Dichloroethene
 Concen: 50.16 ug/l
 RT: 5.58 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.7	0.0	290.2	
98	65.6	0.0	130.4	

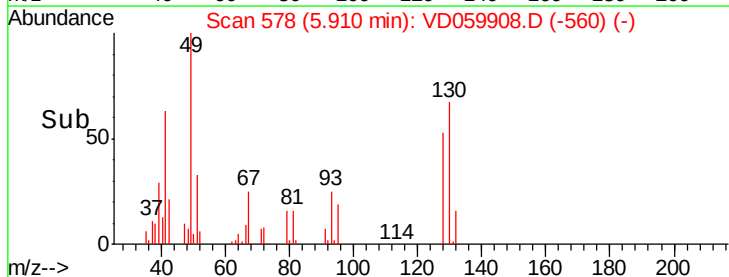
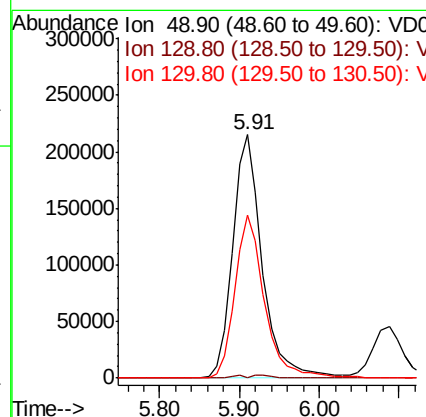
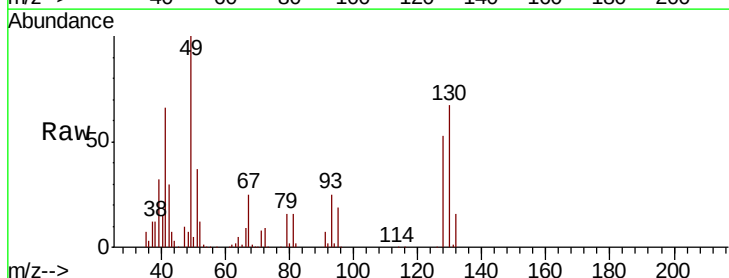
Manual Integrations
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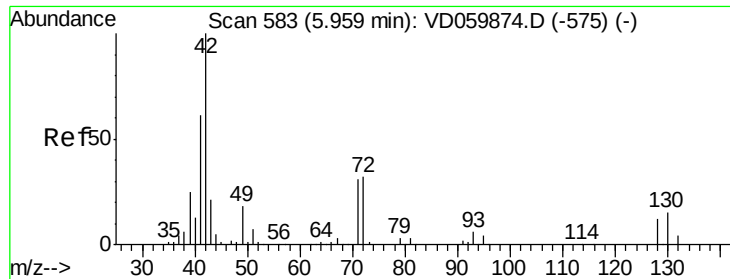
apatel
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#28
 Bromochloromethane
 Concen: 50.07 ug/l
 RT: 5.91 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.2	
130	66.9	50.6	75.8	





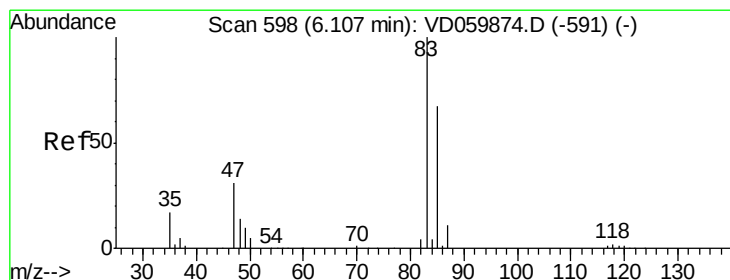
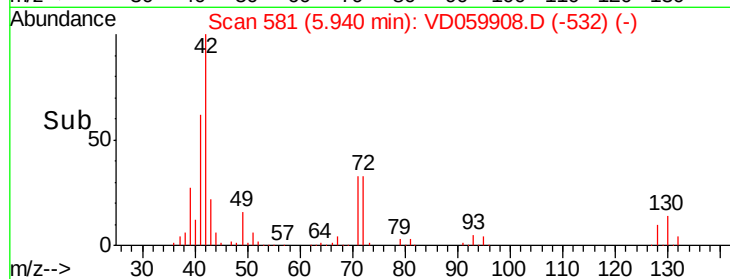
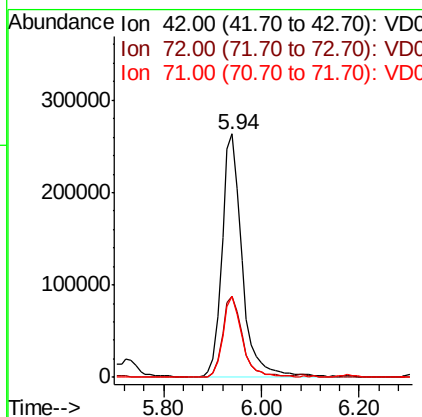
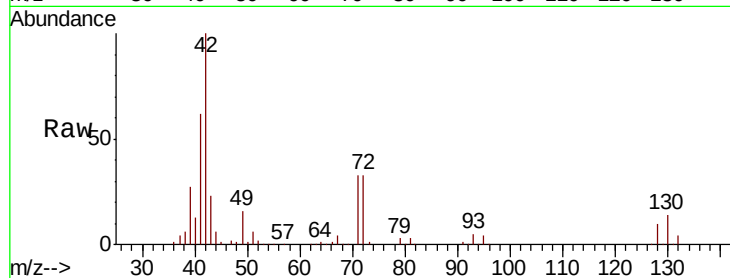
#29
Tetrahydrofuran
Concen: 261.55 ug/l
RT: 5.94 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	25.7	38.5
71	32.1	25.3	37.9

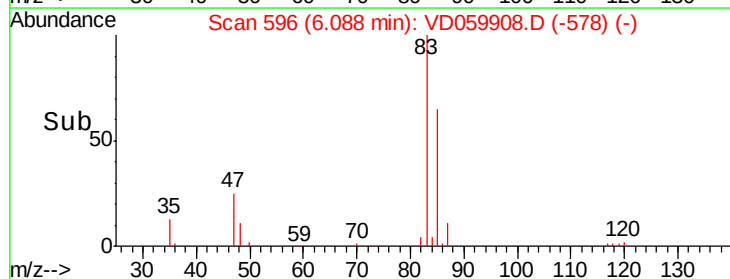
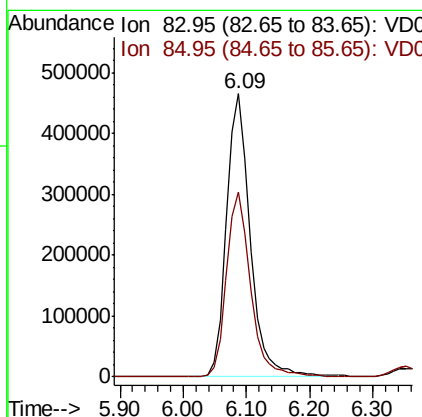
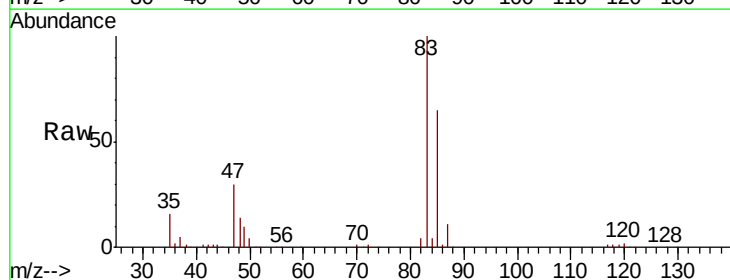
Manual Integrations
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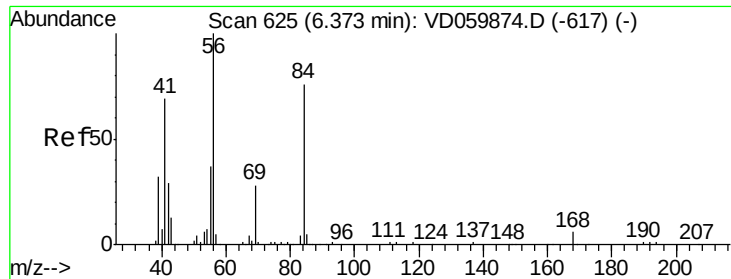
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#30
Chloroform
Concen: 51.52 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.5	80.3





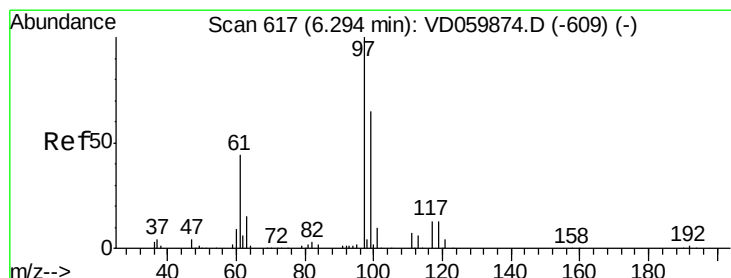
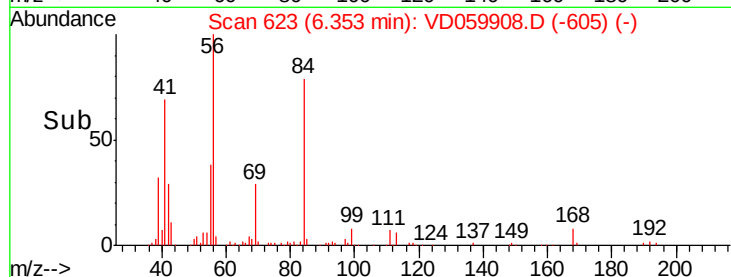
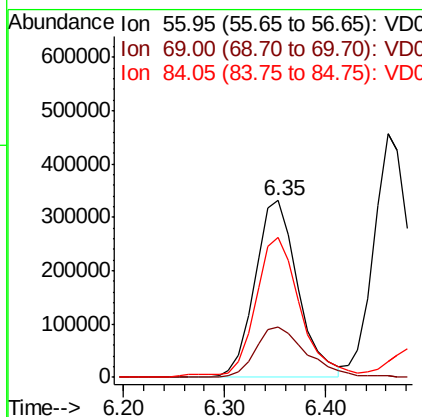
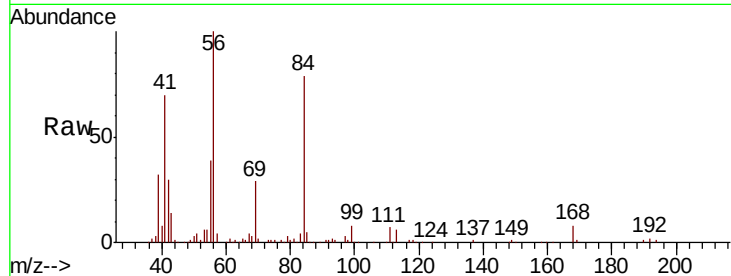
#31
Cyclohexane
Concen: 46.05 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.4	33.6
84	79.2	62.1	93.1

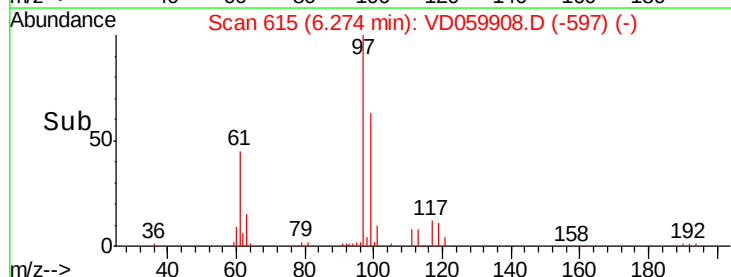
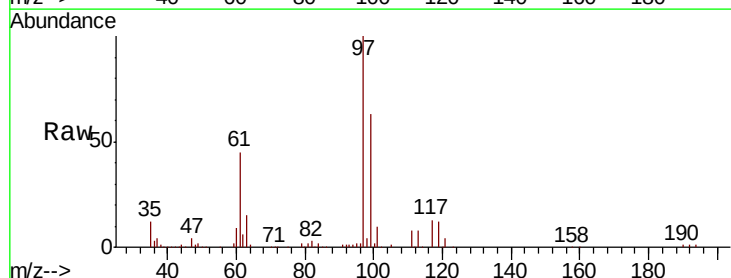
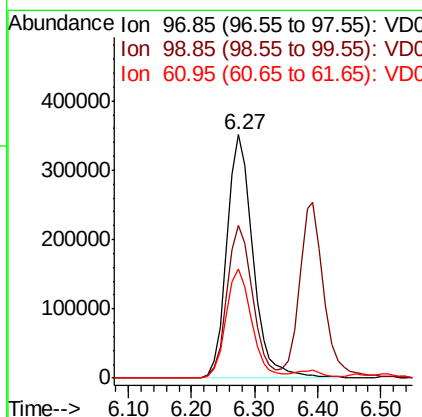
Manual Integrations
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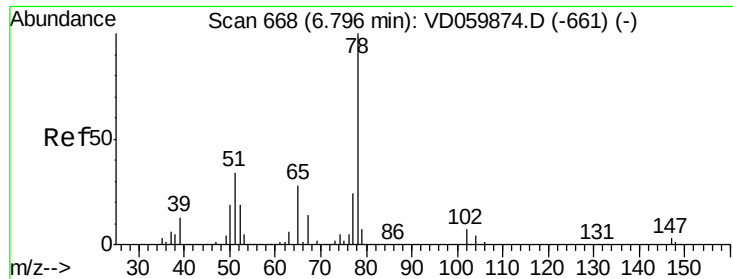
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#32
1,1,1-Trichloroethane
Concen: 50.42 ug/l
RT: 6.27 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.7	77.5
61	44.8	35.4	53.2





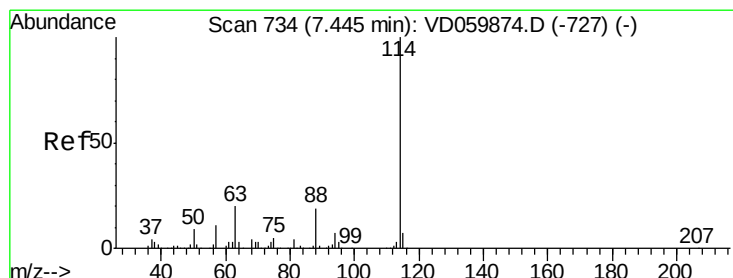
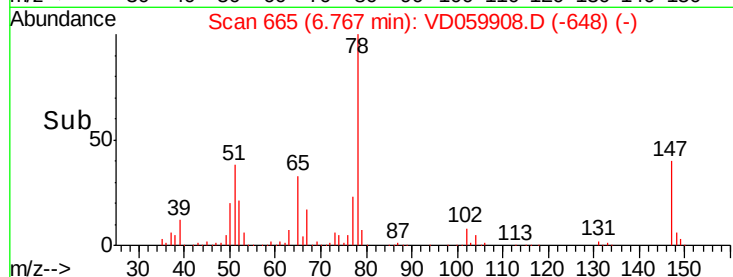
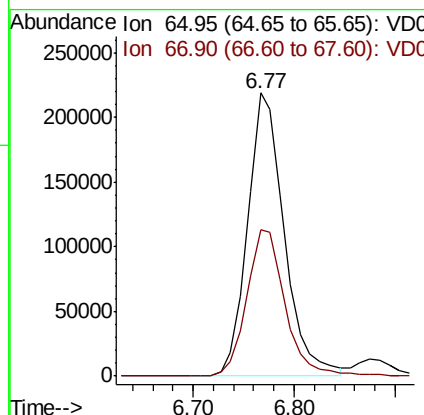
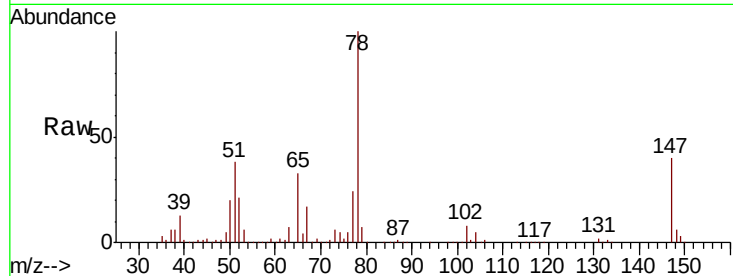
#33
 1,2-Dichloroethane-d4
 Concen: 50.42 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.5	0.0	103.8	

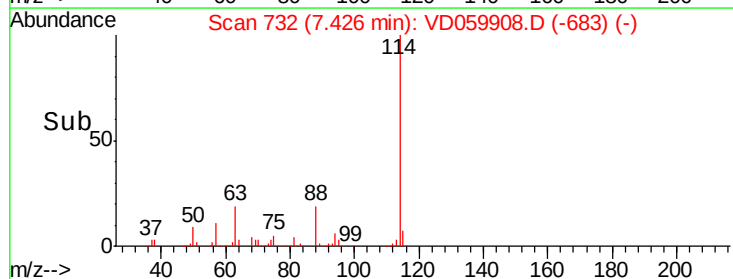
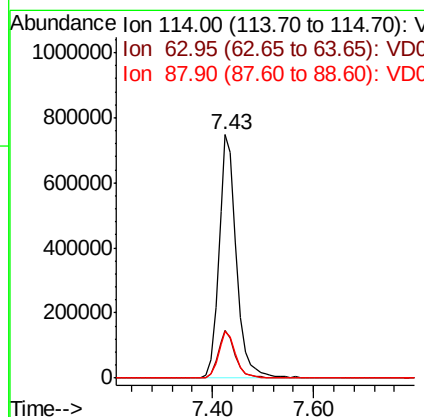
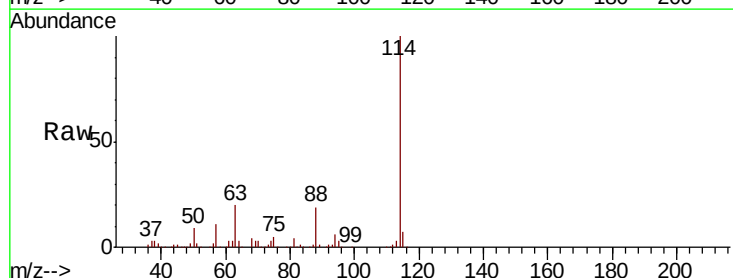
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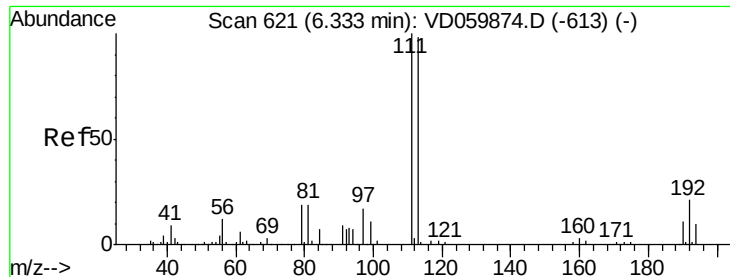
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.4	
88	19.0	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

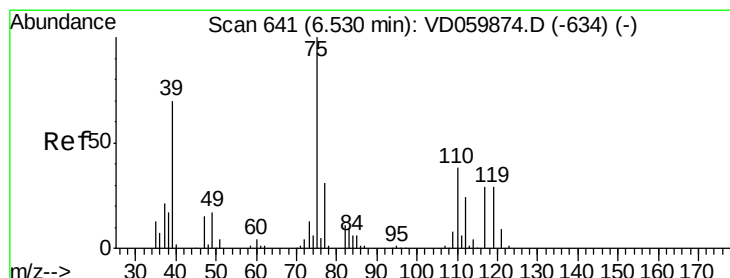
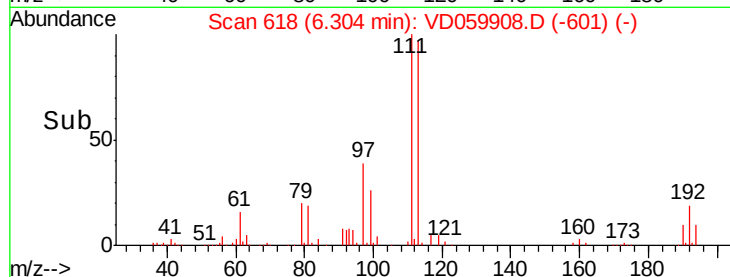
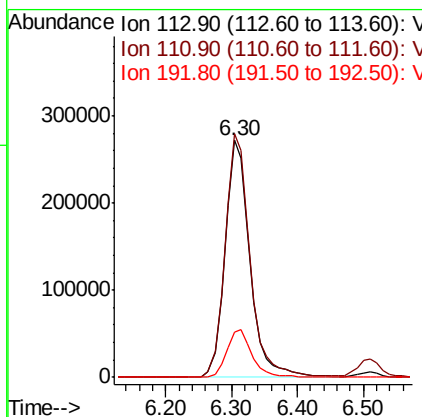
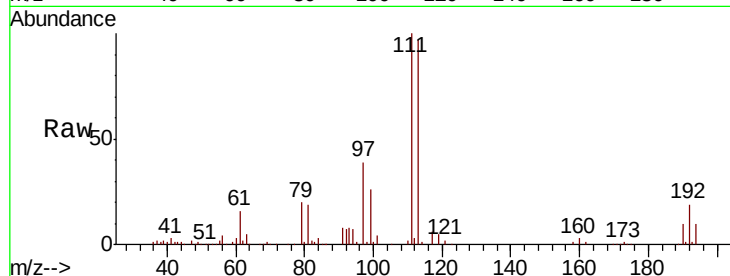
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	720587
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.4	122.2
192	19.4	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.28 ug/l

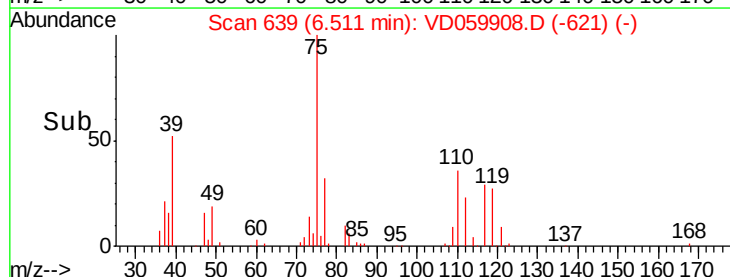
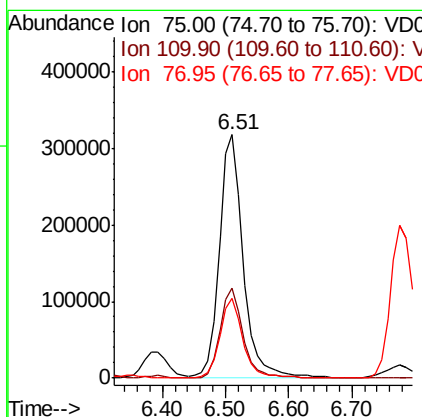
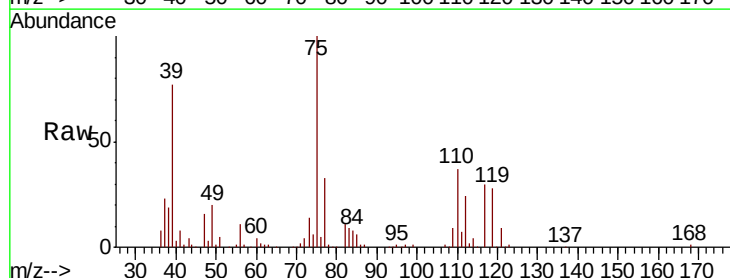
RT: 6.51 min Scan# 639

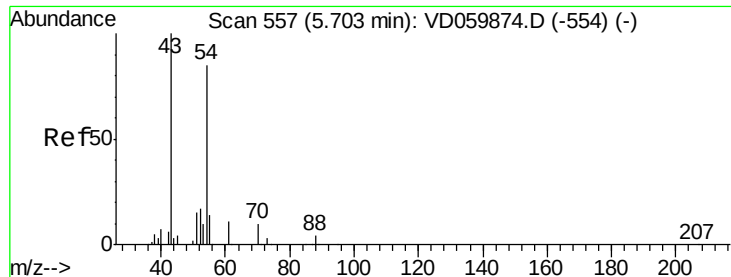
Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion:	75	Resp:	823900
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.6	56.0
77	32.7	25.1	37.7





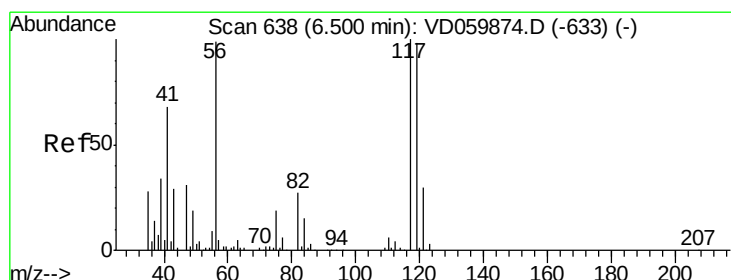
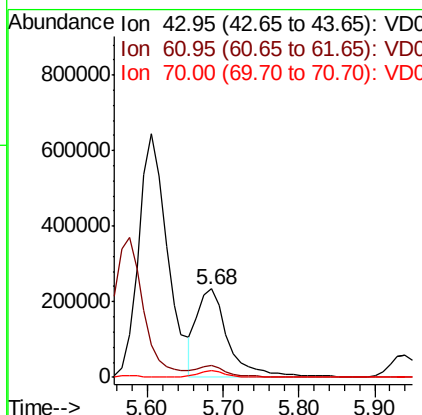
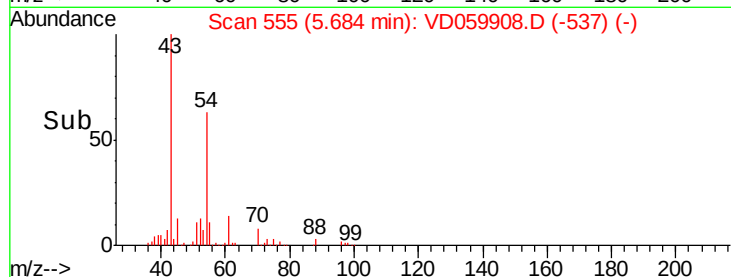
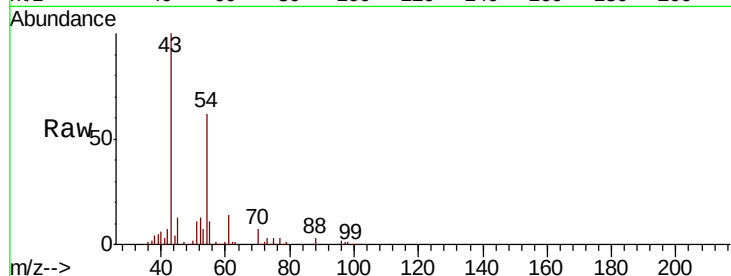
#37
Ethyl Acetate
Concen: 50.74 ug/l
RT: 5.68 min Scan# 555
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.6
70	7.5	5.7	8.5

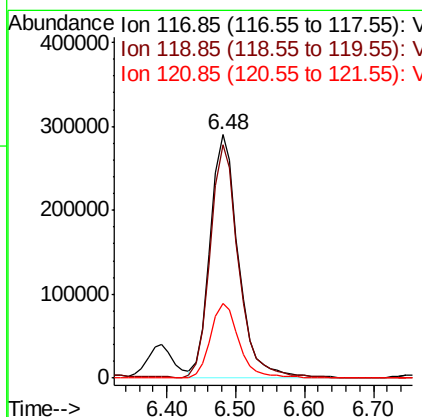
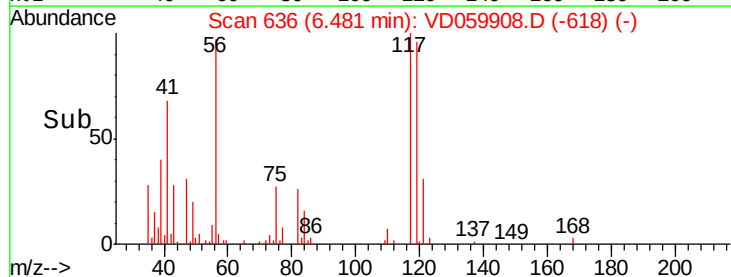
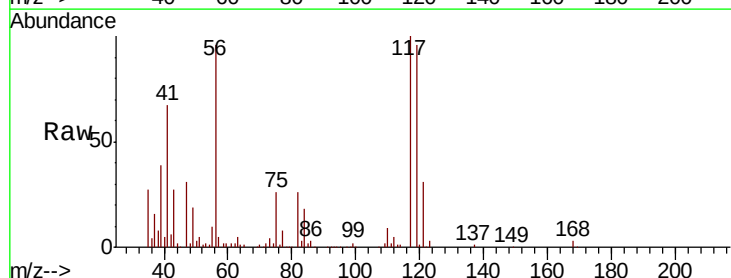
Manual Integrations
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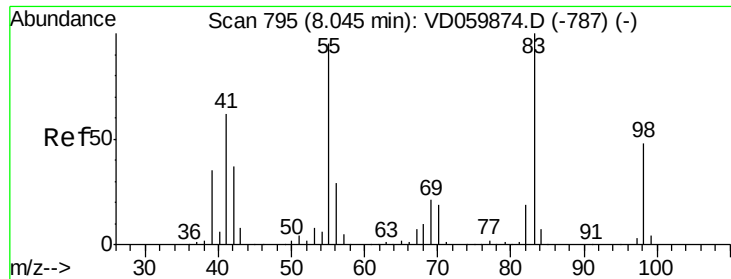
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#38
Carbon Tetrachloride
Concen: 49.55 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	30.5	24.0	36.0





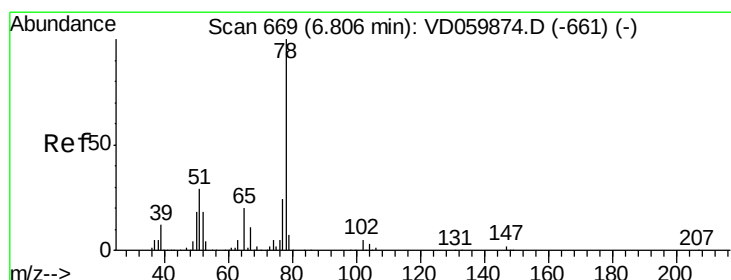
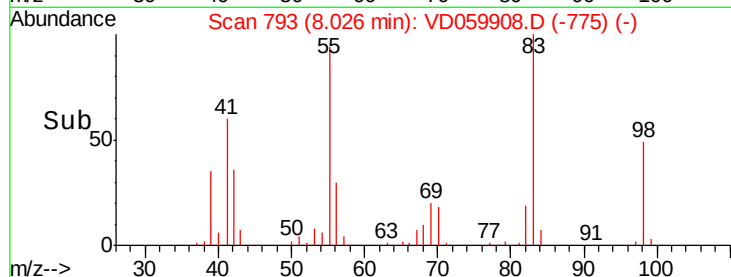
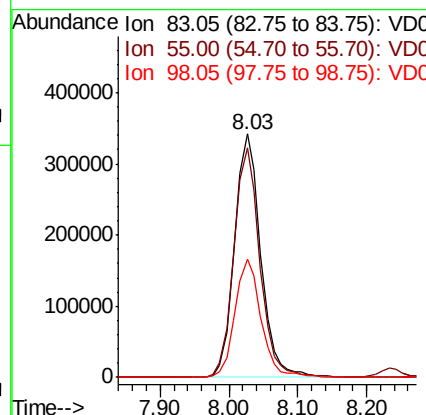
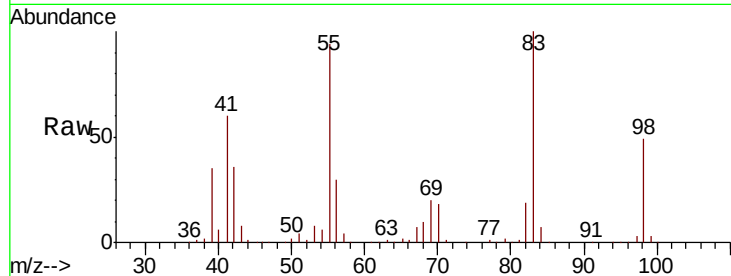
#39
Methylvlcyclohexane
Concen: 50.85 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.2	75.8	113.6
98	48.7	38.3	57.5

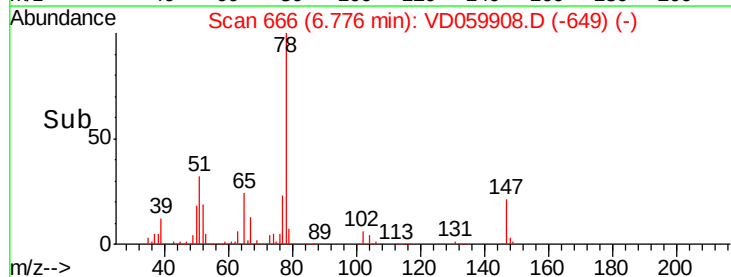
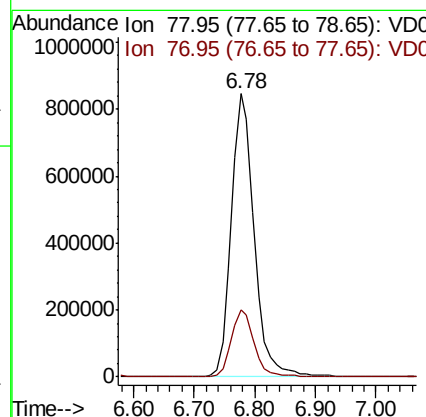
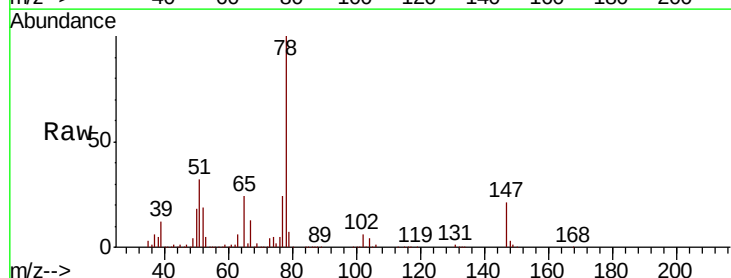
Manual Integrations
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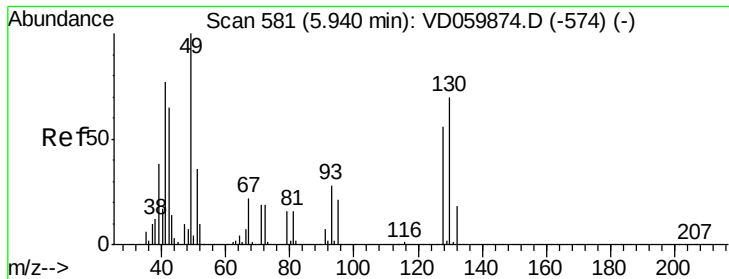
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#40
Benzene
Concen: 52.02 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 44.03 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 282815

Ion Ratio Lower Upper

41 100

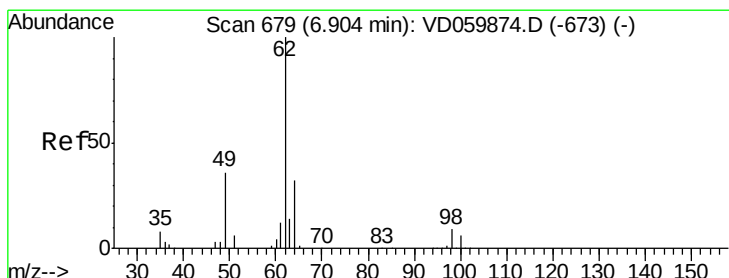
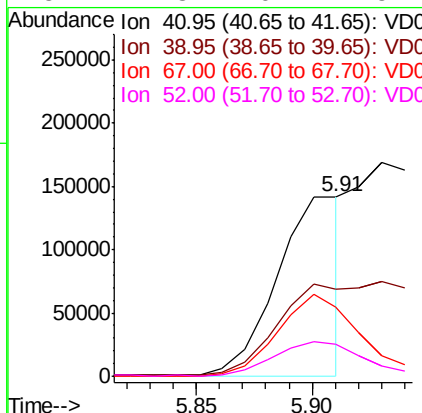
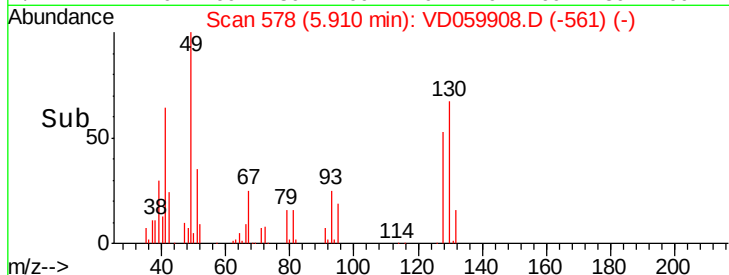
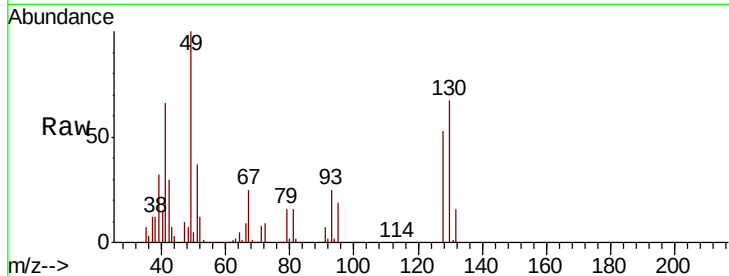
39 48.8 39.4 59.2

67 38.5 22.2 33.2#

52 17.8 10.1 15.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.65 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059908.D

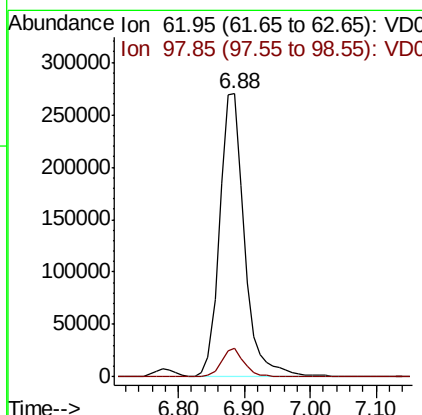
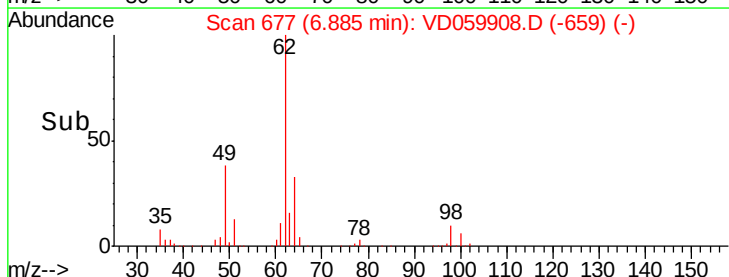
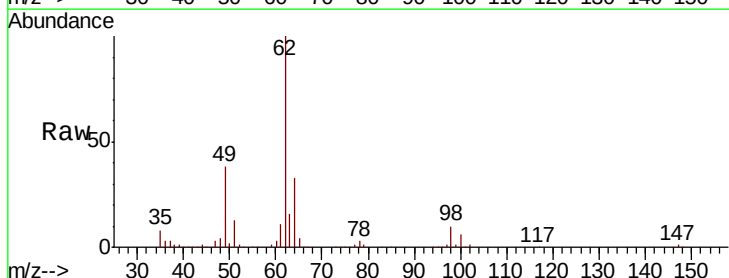
Acq: 27 Aug 2018 11:14

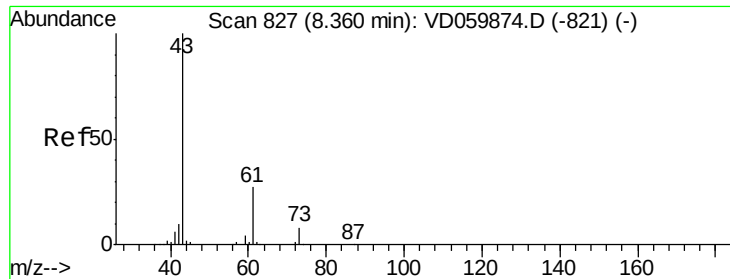
Tgt Ion: 62 Resp: 706376

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 52.71 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

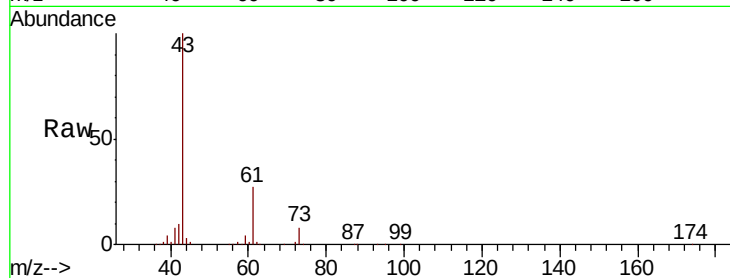
ClientSampleId :

VSTDCCC050

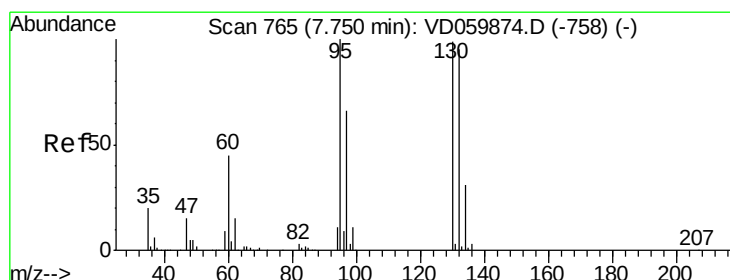
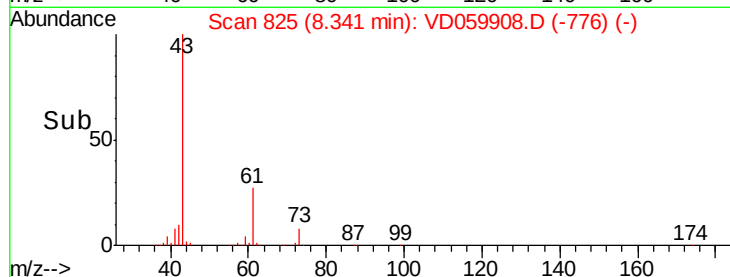
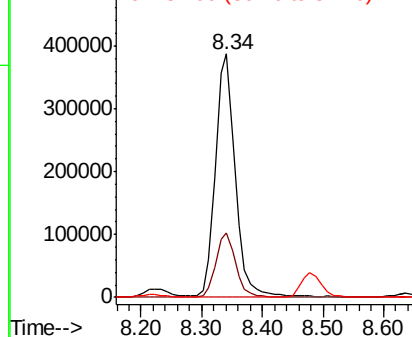
Tot Ion:	43	Resp:	874423
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.4	32.2
87	0.2	0.2	0.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.99 ug/l

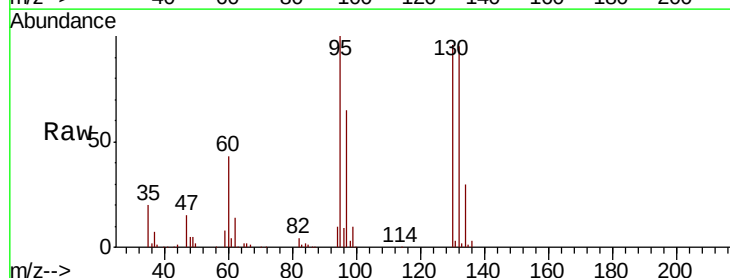
RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

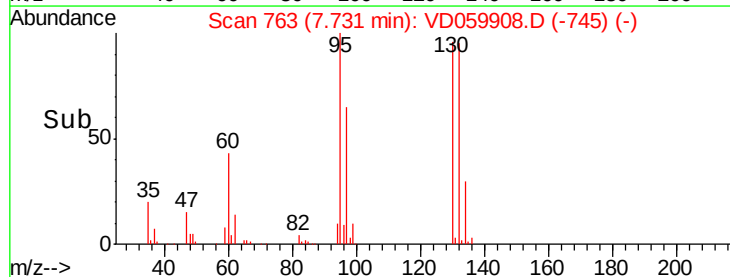
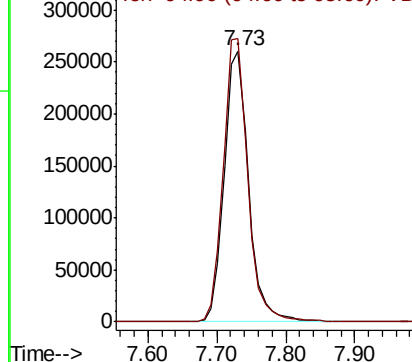
Lab File: VD059908.D

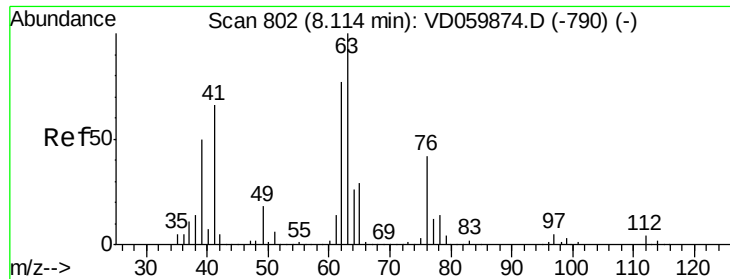
Acq: 27 Aug 2018 11:14

Tgt Ion:	130	Resp:	639661
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	202.0



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





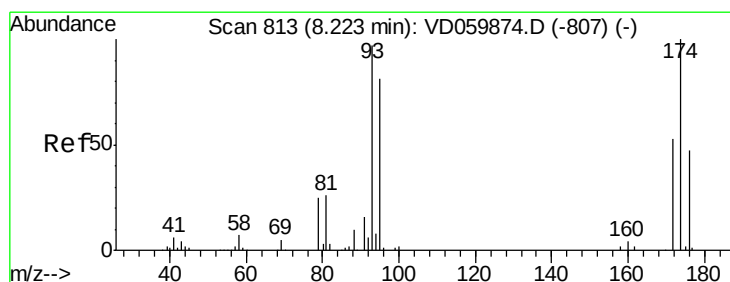
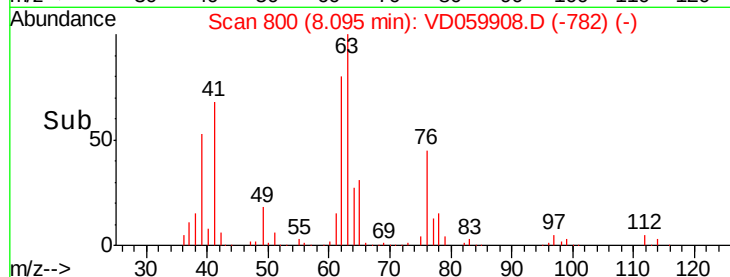
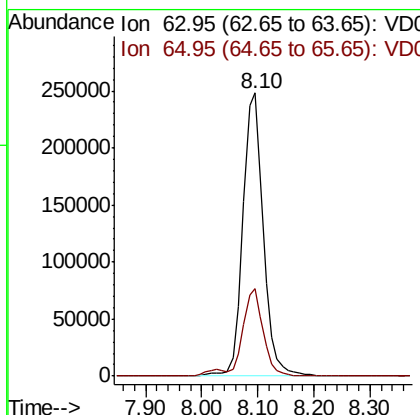
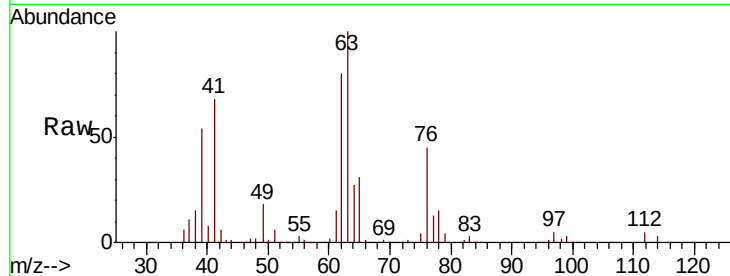
#45
 1,2-Dichloropropane
 Concen: 52.66 ug/l
 RT: 8.10 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 627145
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.5 35.3

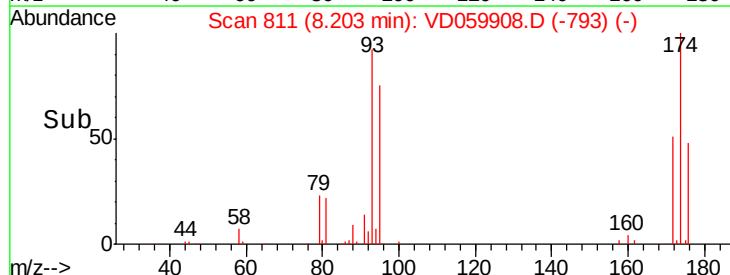
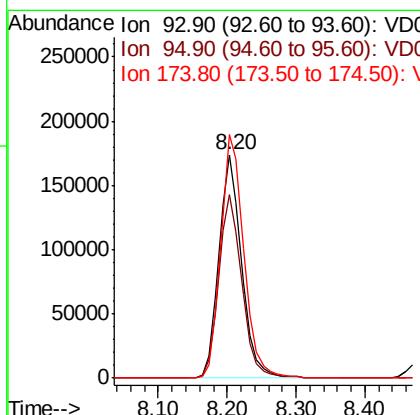
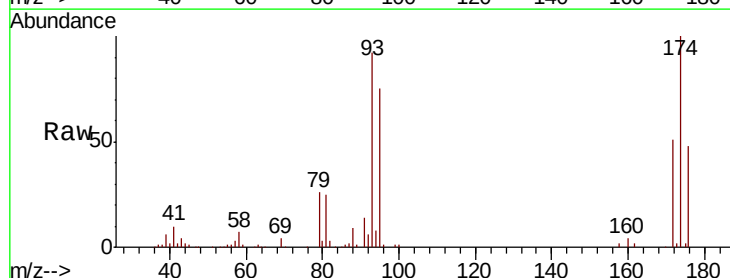
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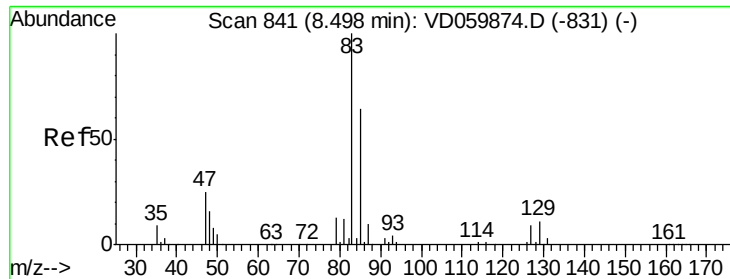
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#46
 Dibromomethane
 Concen: 51.90 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 93 Resp: 397400
 Ion Ratio Lower Upper
 93 100
 95 81.8 66.6 100.0
 174 108.9 82.4 123.6





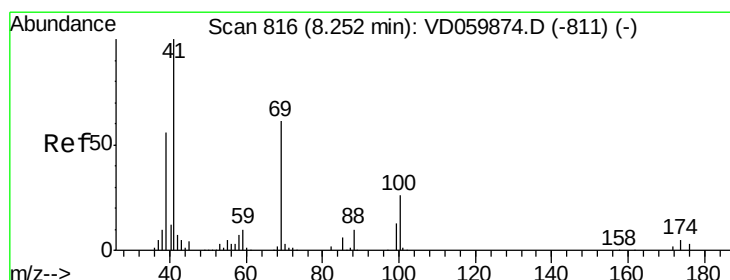
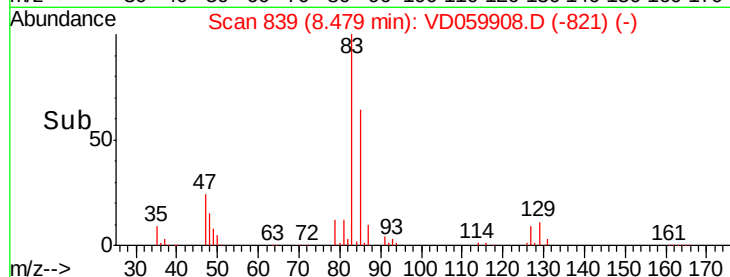
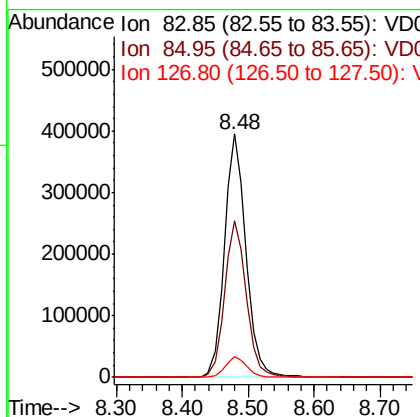
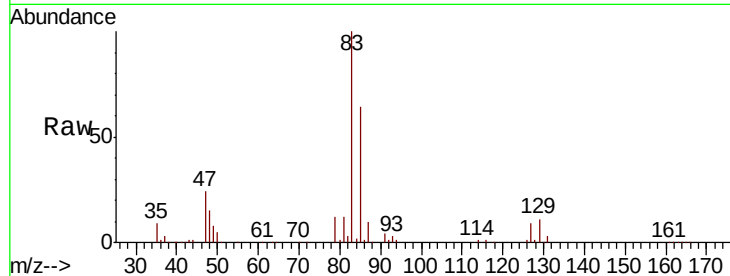
#47
Bromodichloromethane
Concen: 52.15 ug/l
RT: 8.48 min Scan# 839
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	903980
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.5	7.0	10.4

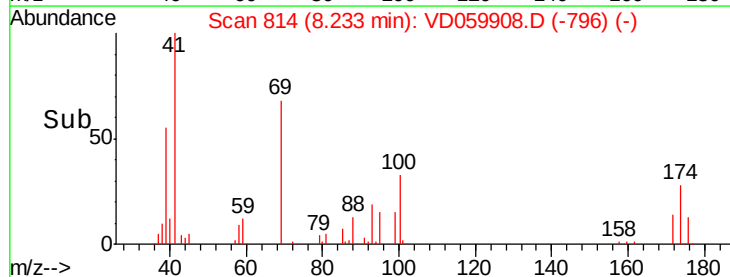
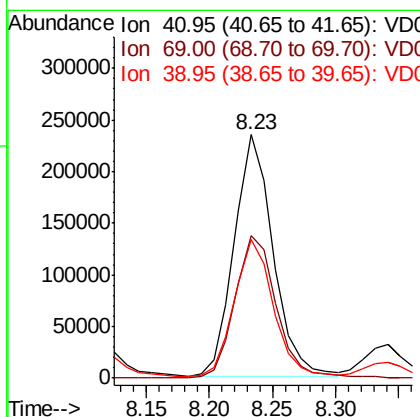
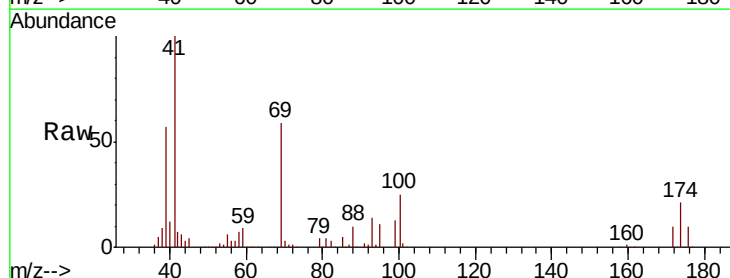
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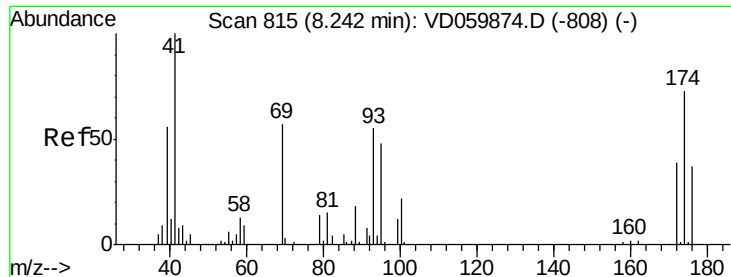
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#48
Methyl methacrylate
Concen: 51.88 ug/l
RT: 8.23 min Scan# 814
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	41	Resp	501651
Ion Ratio	100	Lower	Upper
41	100		
69	58.7	48.0	72.0
39	56.8	45.4	68.0





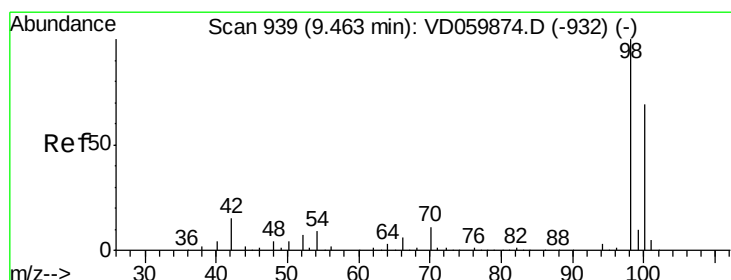
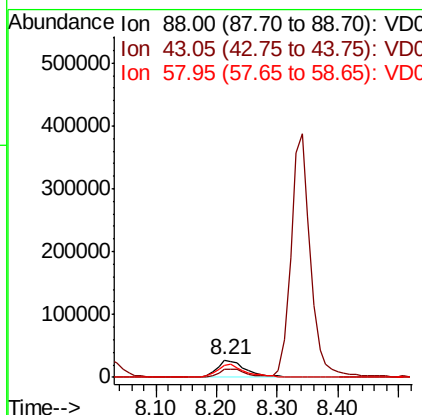
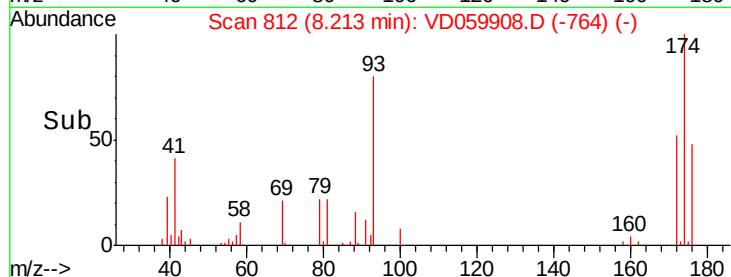
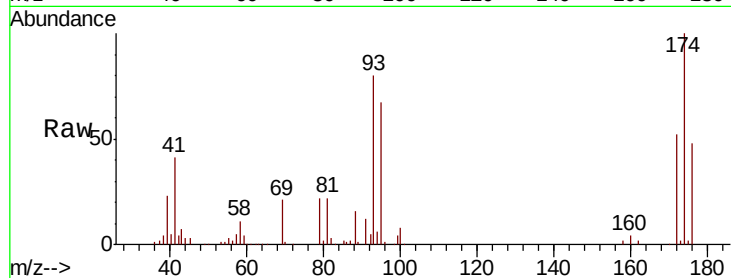
#49
1,4-Dioxane
Concen: 1076.83 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.7	45.0	67.6#
58	66.3	55.8	83.8

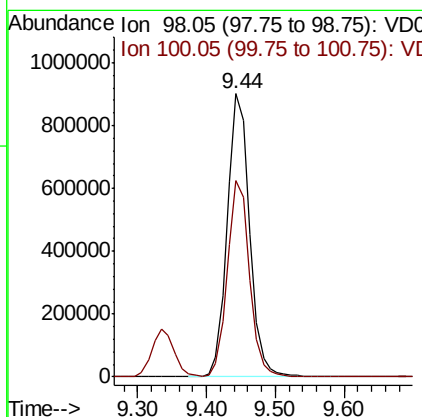
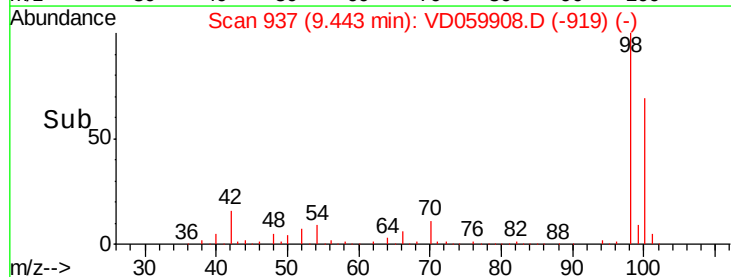
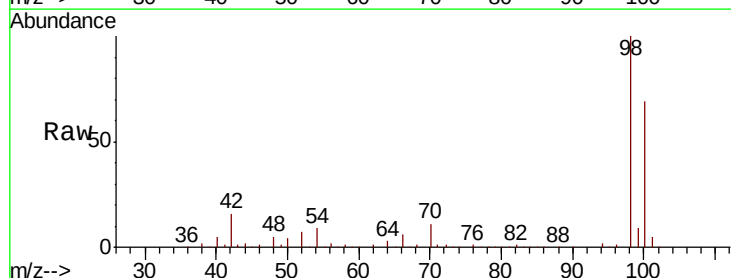
Manual Integrations
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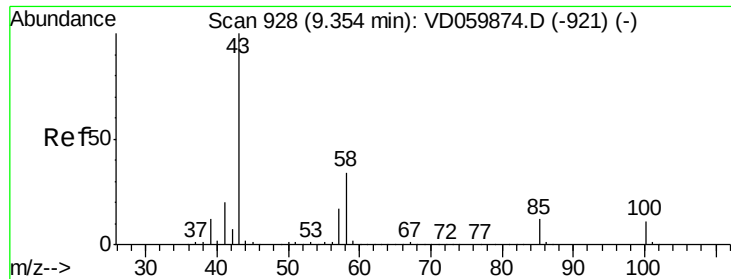
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#50
Toluene-d8
Concen: 1076.83 ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 275.65 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tot Ion: 43 Resp: 3408832

Ion Ratio Lower Upper

43 100

58 33.8 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

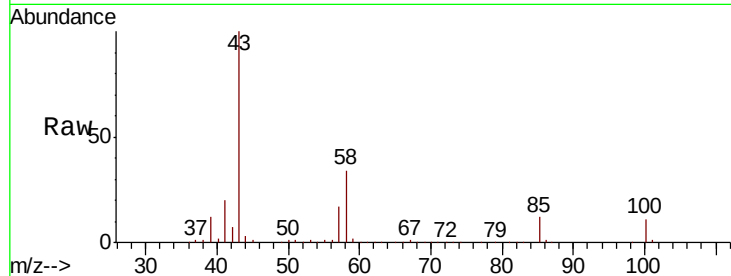
VSTDCCC050

Manual Integrations

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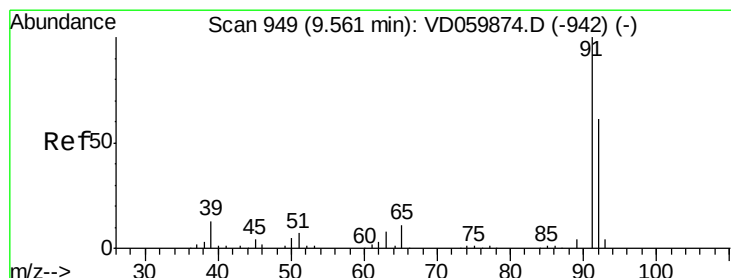
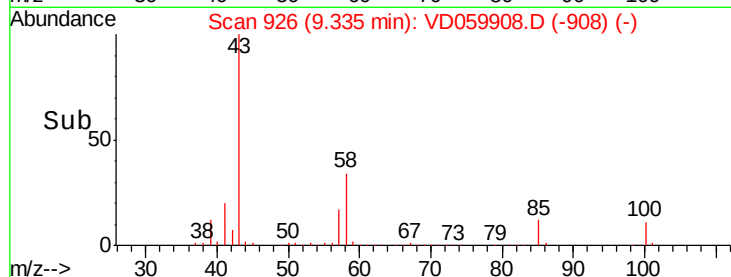
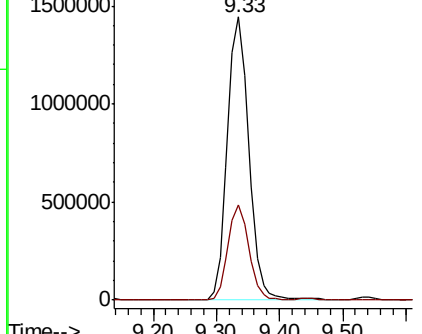
apatel

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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: 51.31 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059908.D

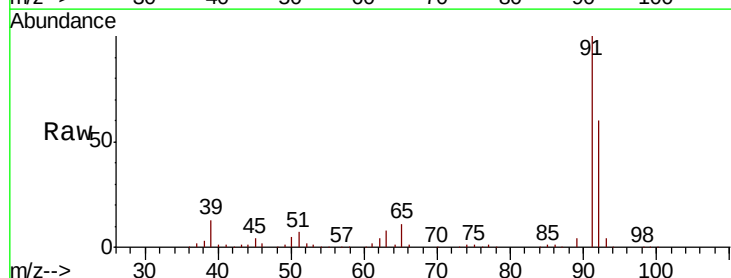
Acq: 27 Aug 2018 11:14

Tgt Ion: 92 Resp: 1401656

Ion Ratio Lower Upper

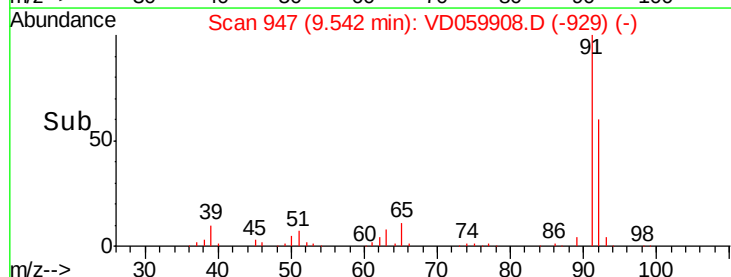
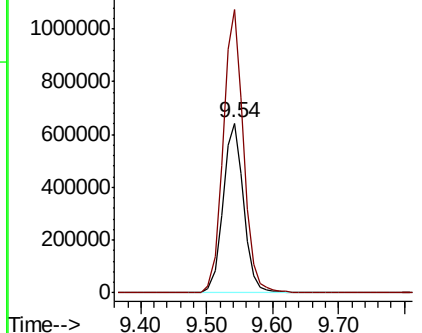
92 100

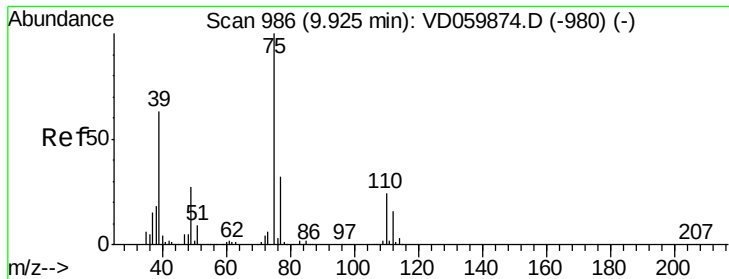
91 166.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





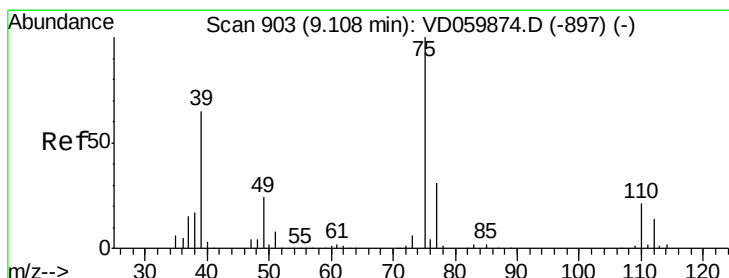
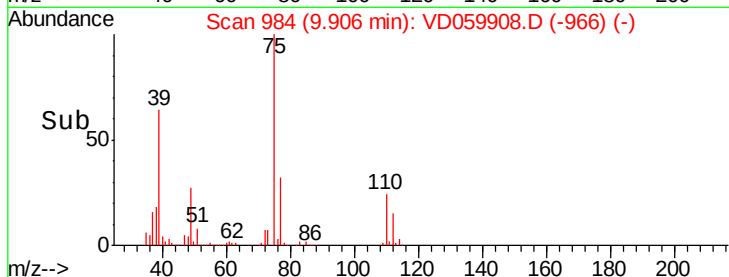
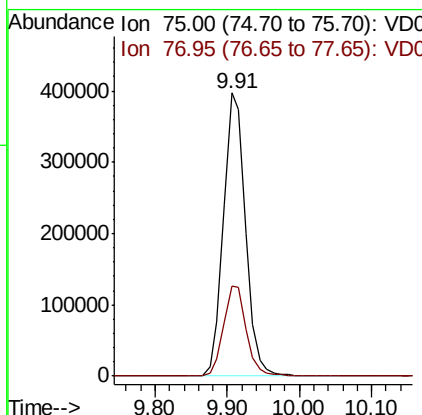
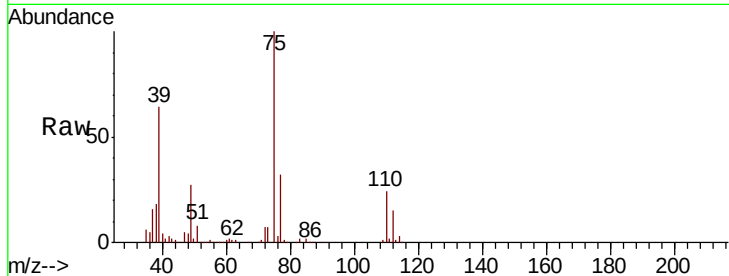
#53
 t-1,3-Dichloropropene
 Concen: 52.37 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 839757
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2

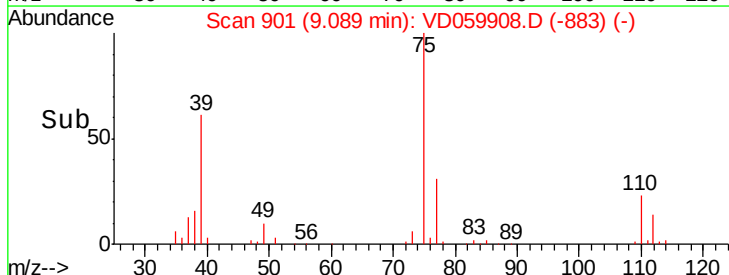
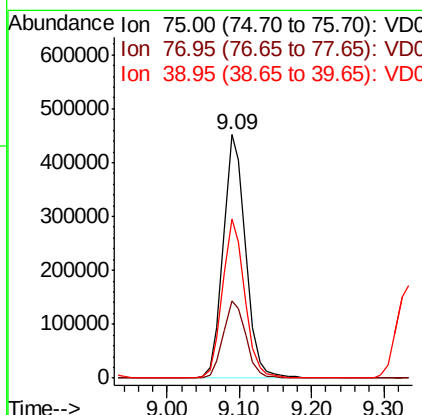
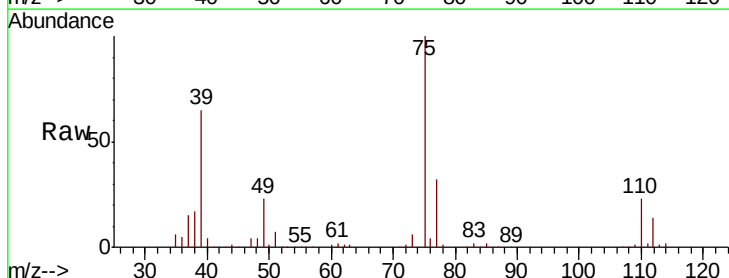
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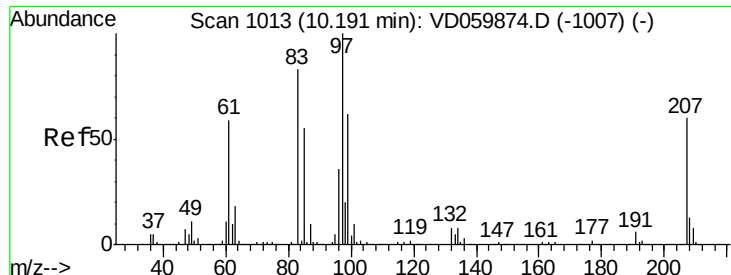
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#54
 cis-1,3-Dichloropropene
 Concen: 52.17 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 969804
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 65.2 52.1 78.1





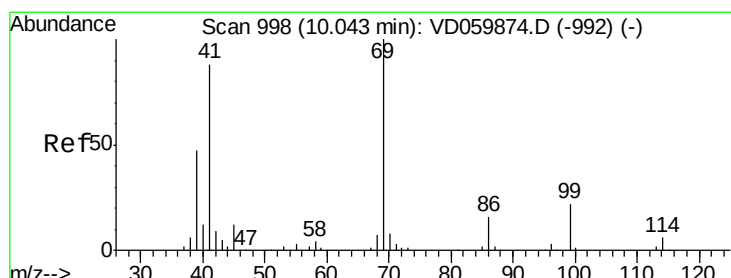
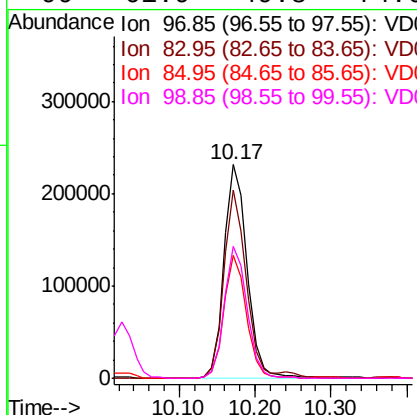
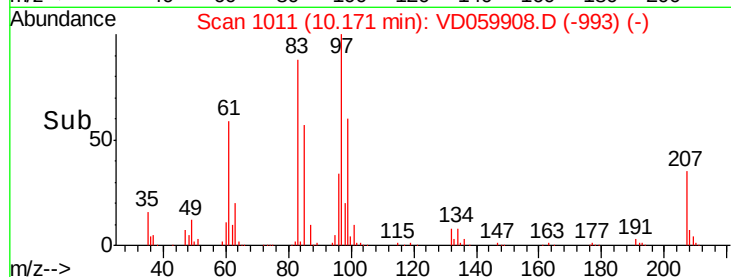
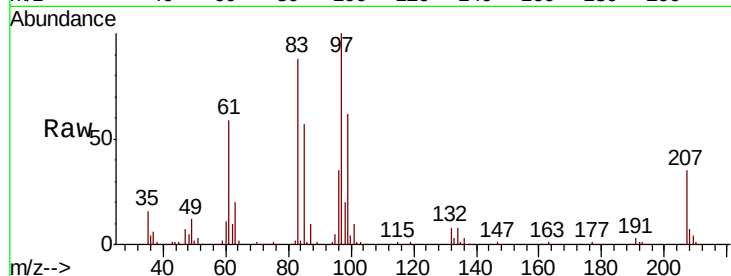
#55
 1,1,2-Trichloroethane
 Concen: 48.91 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	488412		
83	87.9	66.7	100.1	
85	57.3	43.8	65.6	
99	61.9	49.8	74.6	

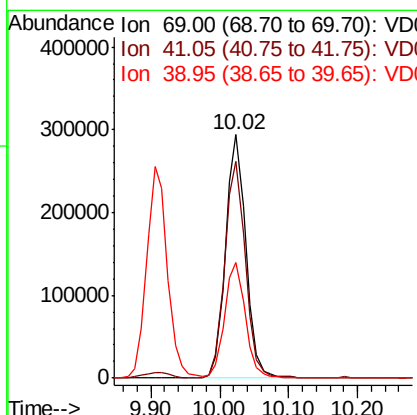
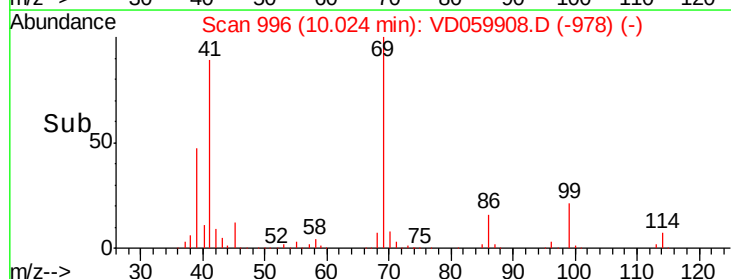
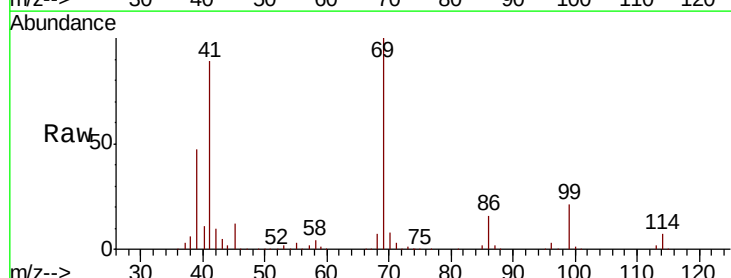
Manual Integrations
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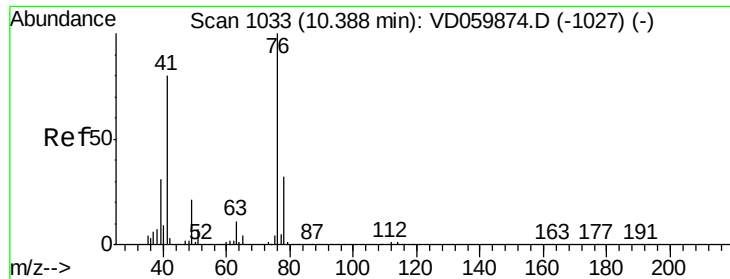
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#56
 Ethyl methacrylate
 Concen: 51.88 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	597942		
41	89.2	71.0	106.4	
39	47.3	38.5	57.7	





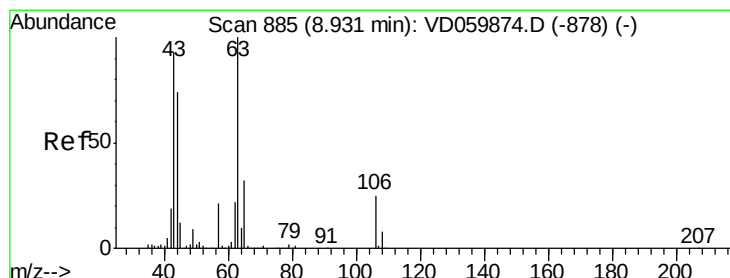
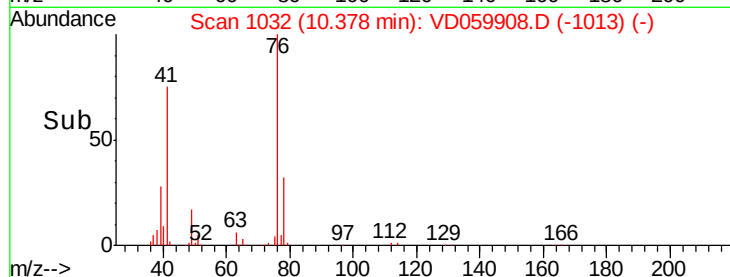
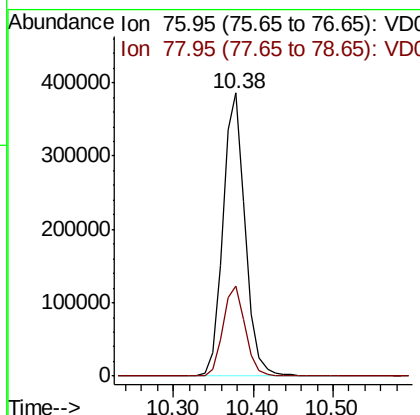
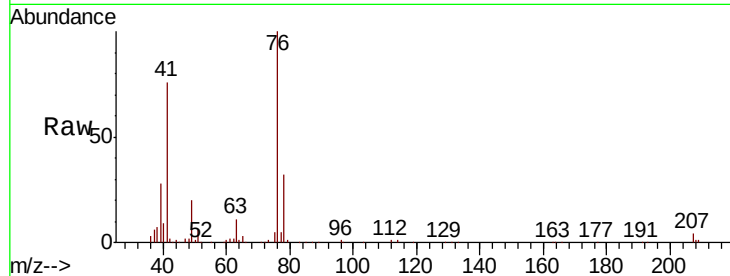
#57
 1,3-Dichloropropane
 Concen: 52.25 ug/l
 RT: 10.38 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 755227
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.6

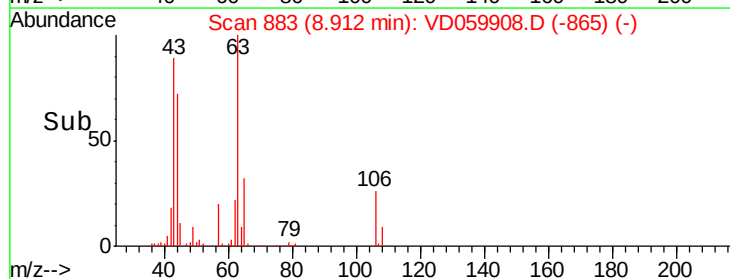
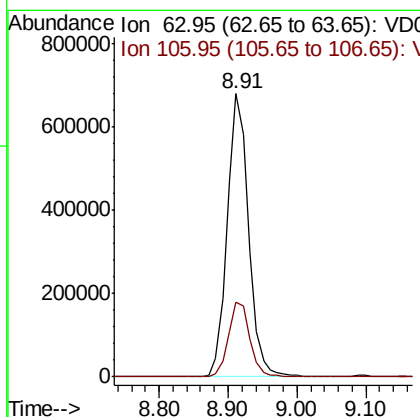
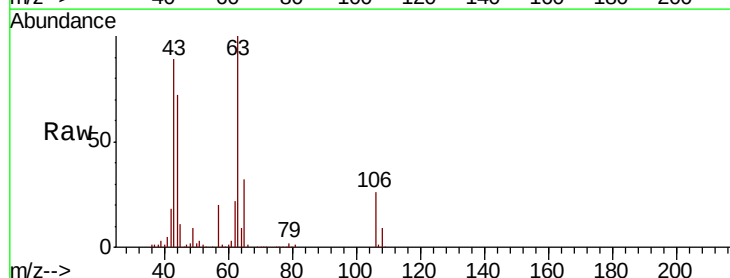
Manual Integrations
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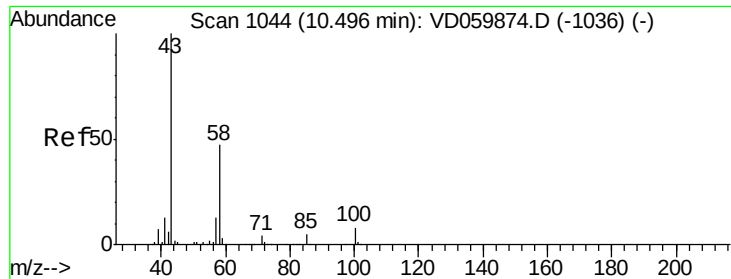
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#58
 2-Chloroethyl Vinyl ether
 Concen: 263.10 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 63 Resp: 1454657
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.1 30.1





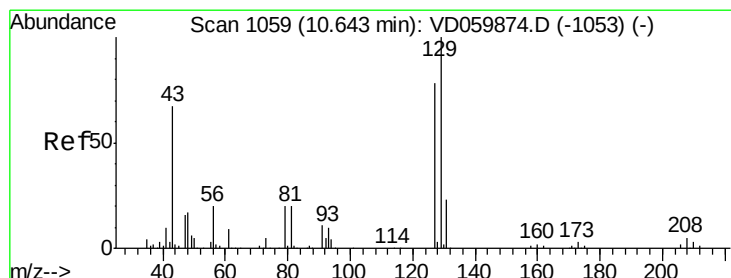
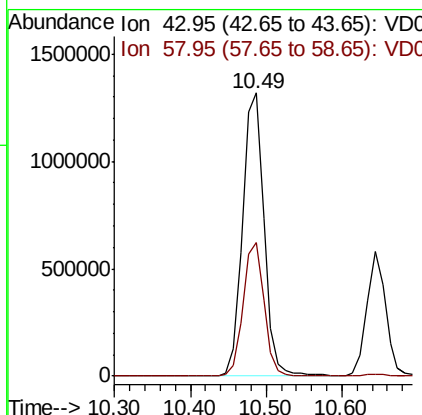
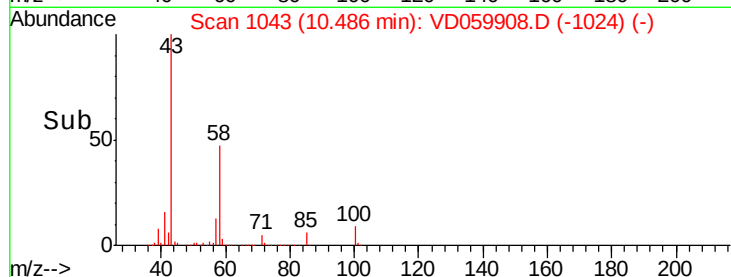
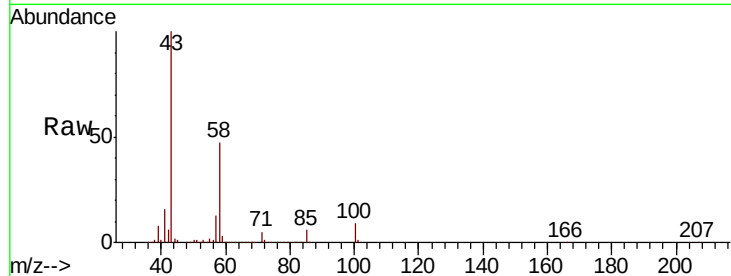
#59
2-Hexanone
Concen: 282.13 ug/l
RT: 10.49 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2573477
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.8

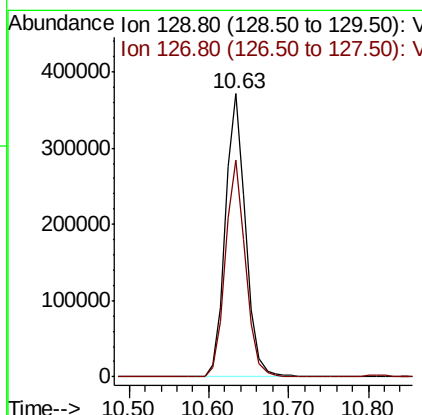
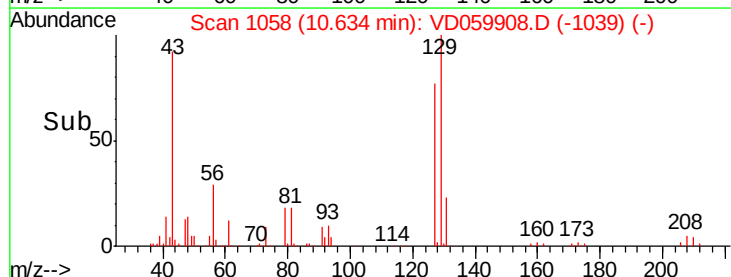
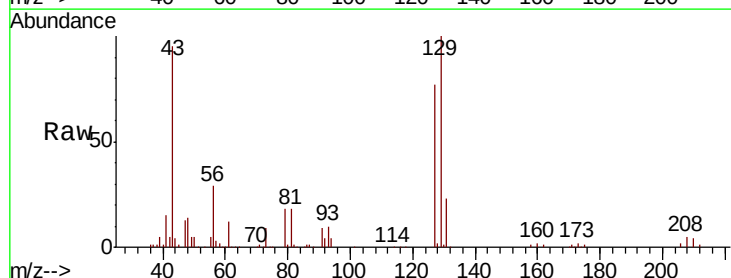
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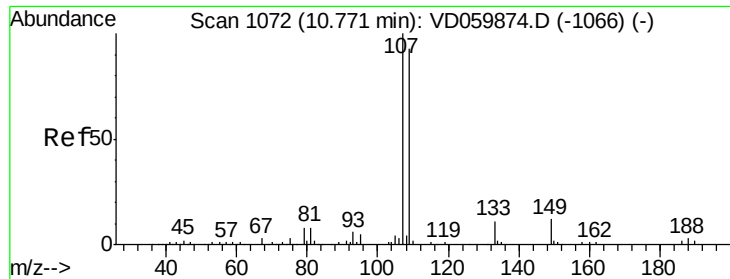
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#60
Dibromochloromethane
Concen: 52.96 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 129 Resp: 664734
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.14 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 526464

Ion Ratio Lower Upper

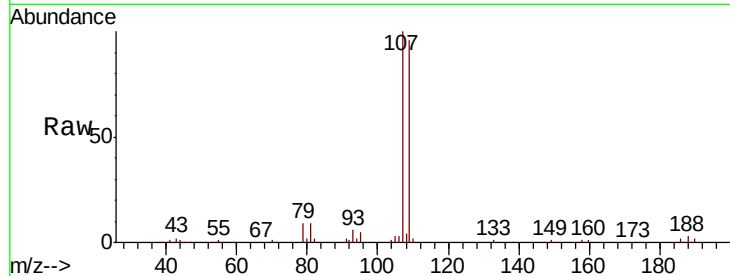
107 100

109 95.5 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

10.75

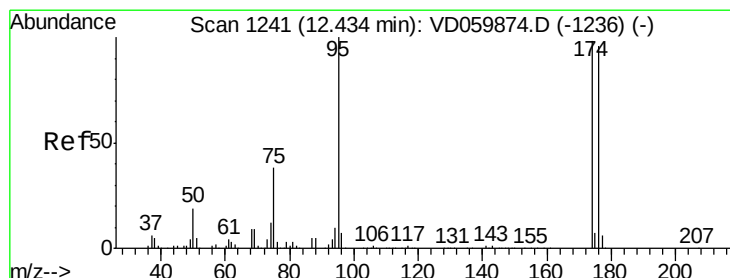
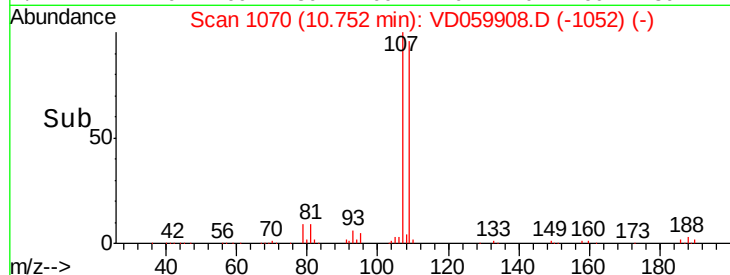
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 52.14 ug/l

RT: 12.43 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

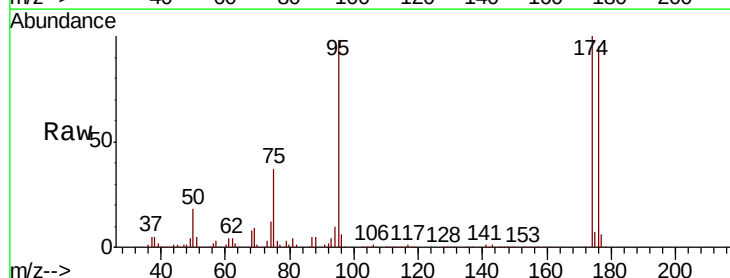
Tgt Ion: 95 Resp: 787614

Ion Ratio Lower Upper

95 100

174 102.3 0.0 195.6

176 97.6 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

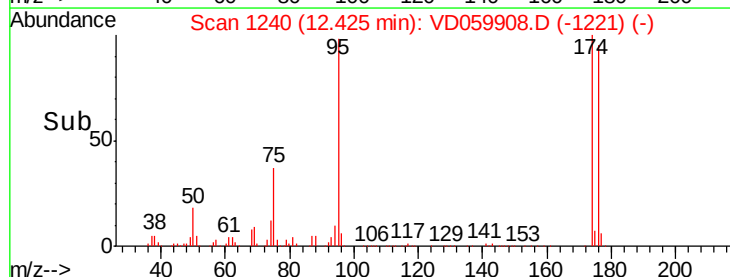
600000

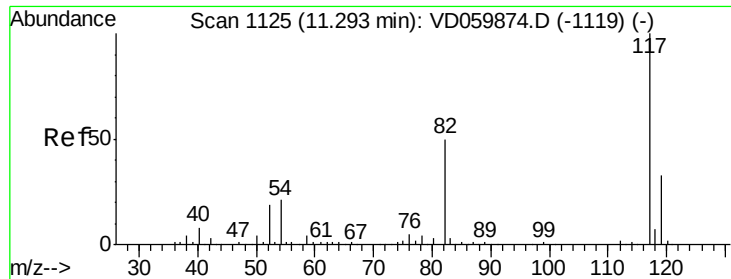
400000

200000

0

Time--> 12.40 12.50





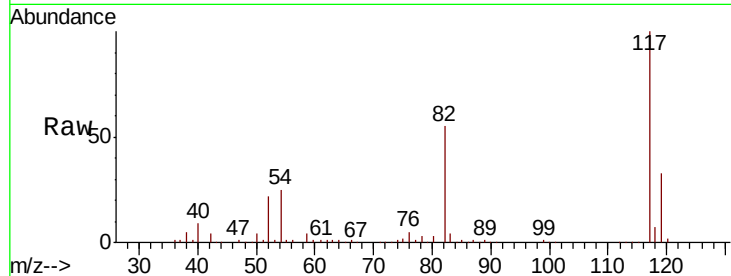
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

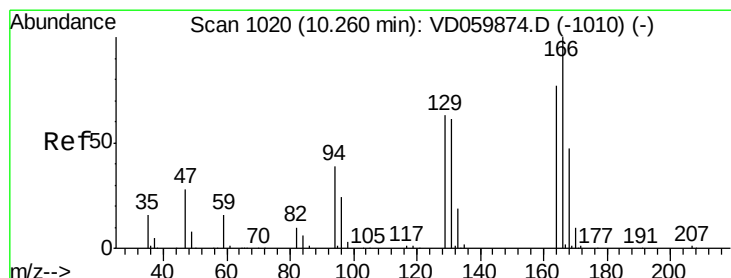
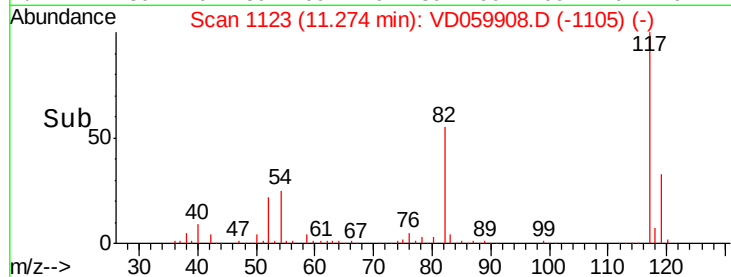
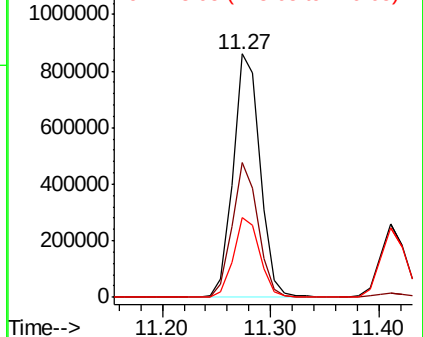
Tot Ion:117 Resp: 1487429
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.7 26.7 40.1

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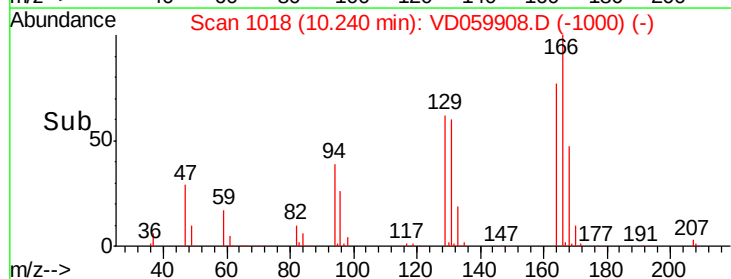
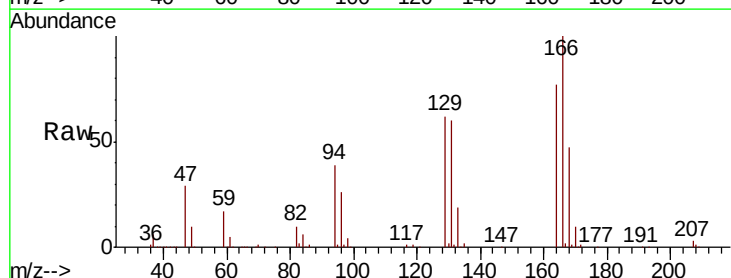
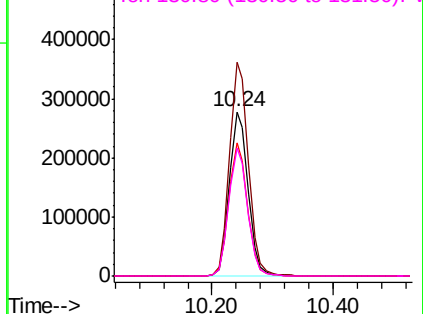
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

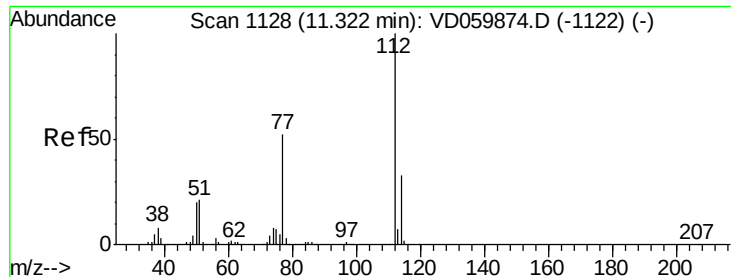


#64
Tetrachloroethene
Concen: 51.83 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:164 Resp: 596084
Ion Ratio Lower Upper
164 100
166 130.2 103.4 155.2
129 81.0 65.2 97.8
131 78.1 63.1 94.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





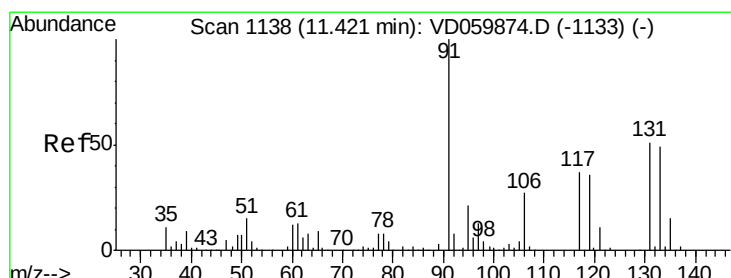
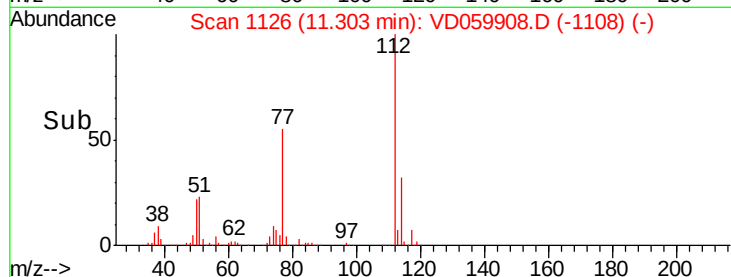
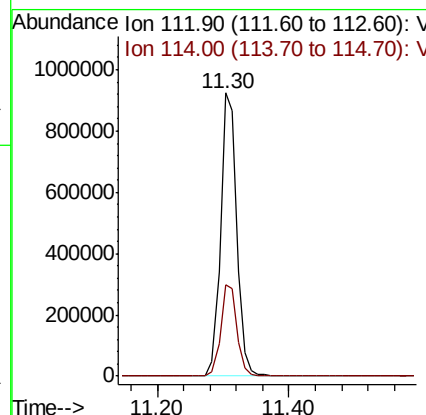
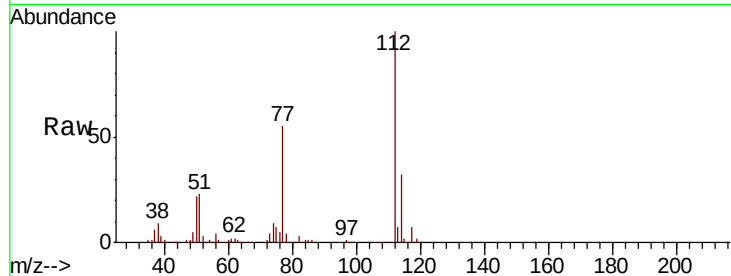
#65
Chlorobenzene
Concen: 52.75 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1559240
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6

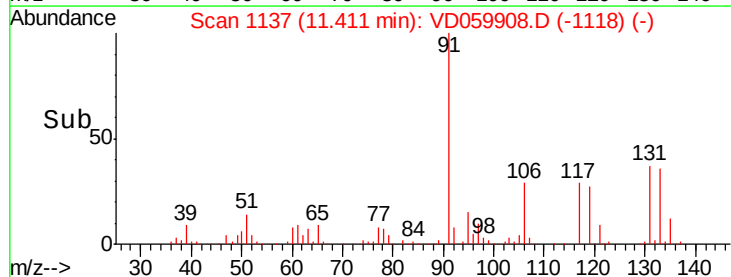
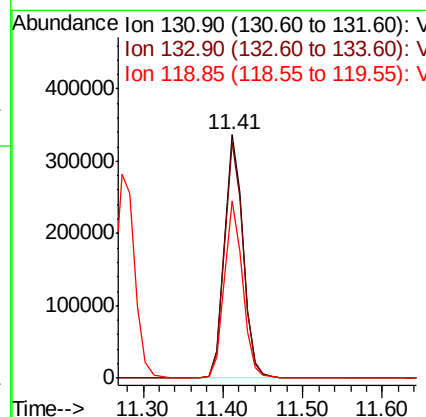
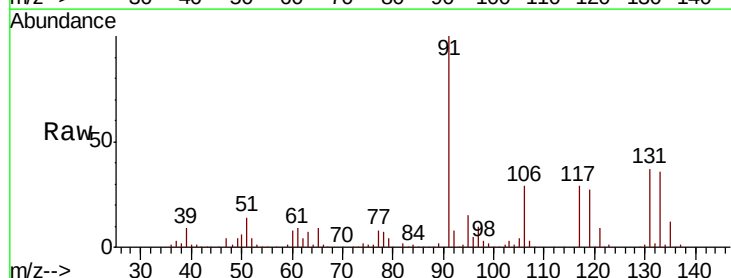
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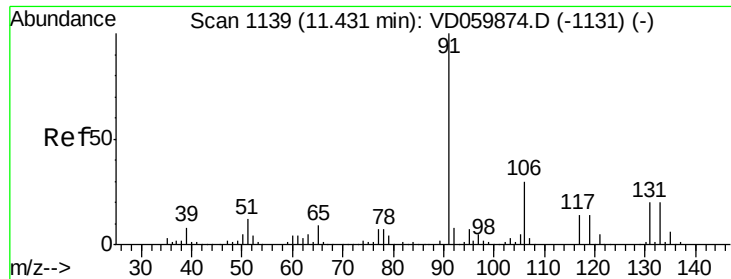
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.87 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:131 Resp: 560174
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 72.6 35.4 106.3





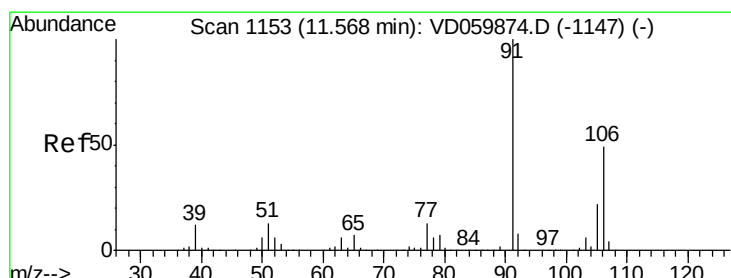
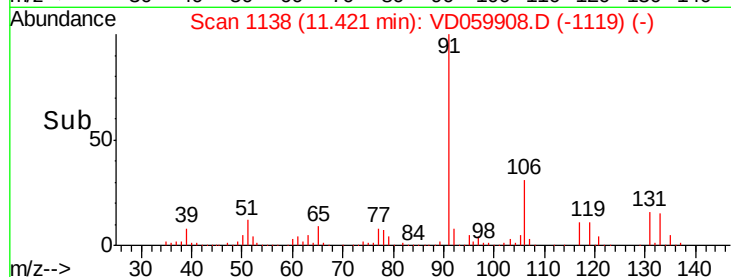
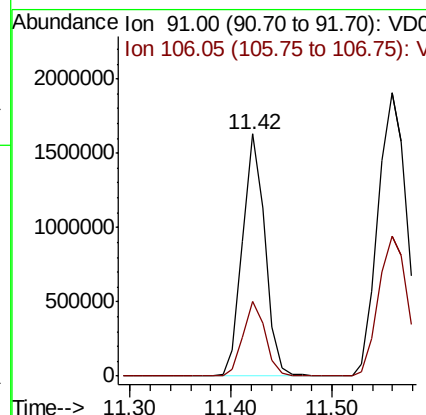
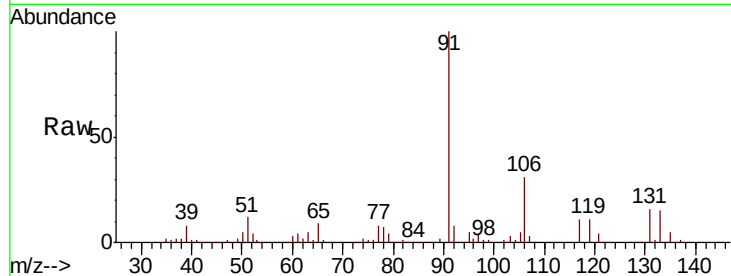
#67
Ethyl Benzene
Concen: 50.89 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2530702
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.8

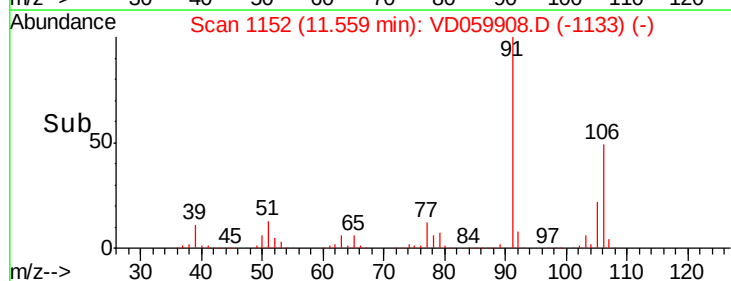
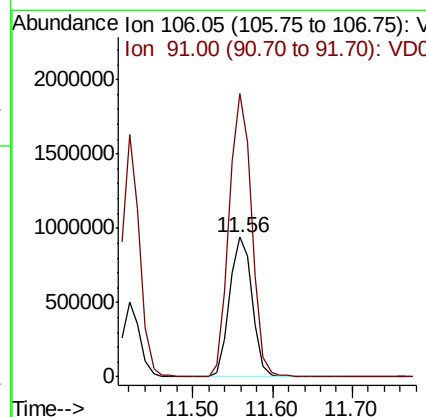
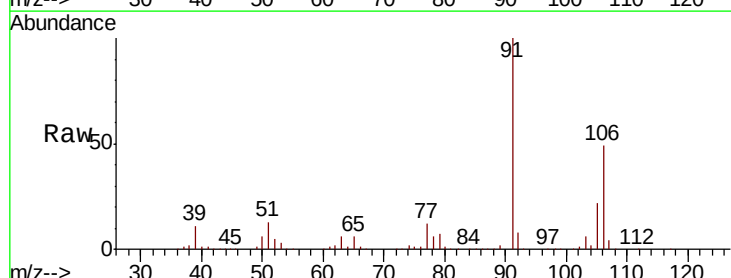
Manual Integrations
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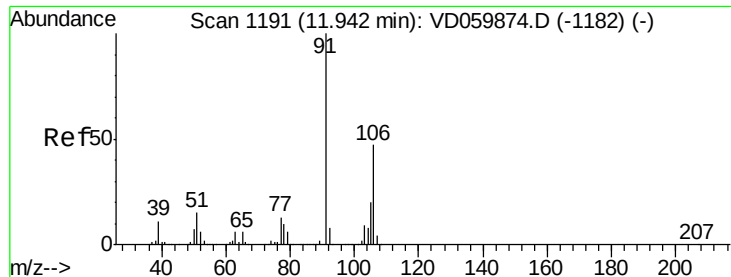
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#68
m/p-Xylenes
Concen: 103.86 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 106 Resp: 1880356
Ion Ratio Lower Upper
106 100
91 202.6 162.0 243.0





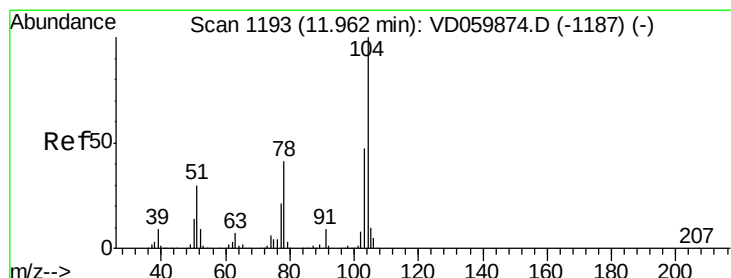
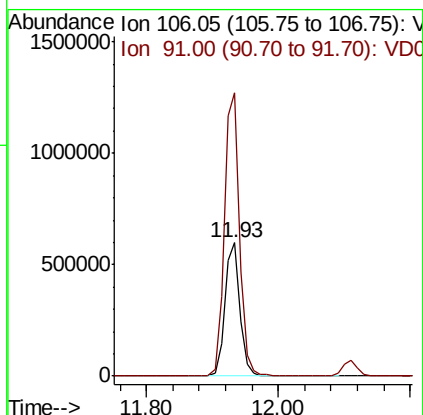
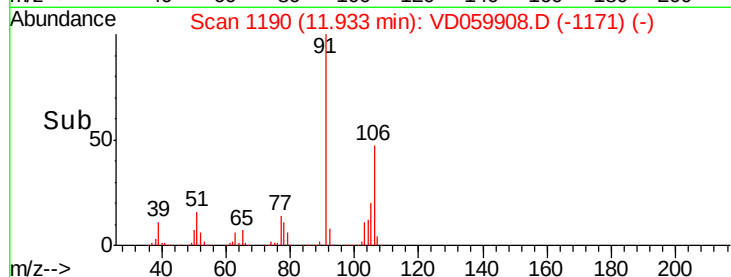
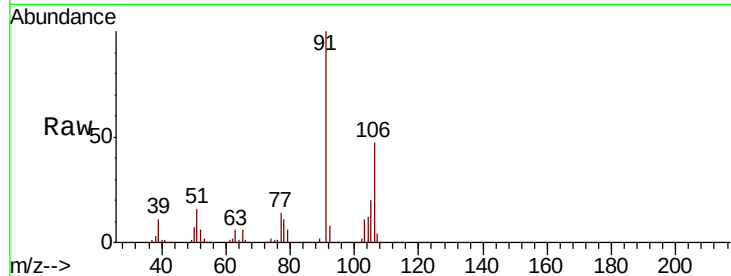
#69
o-Xylene
Concen: 53.35 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		944764		
91	212.7	107.3	322.0		

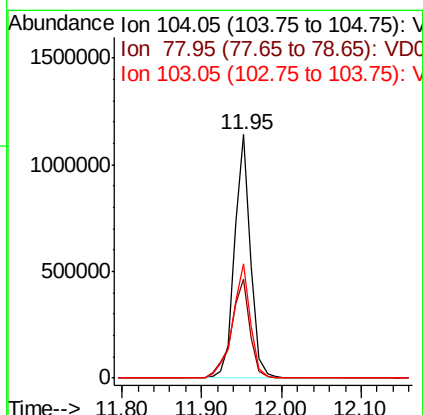
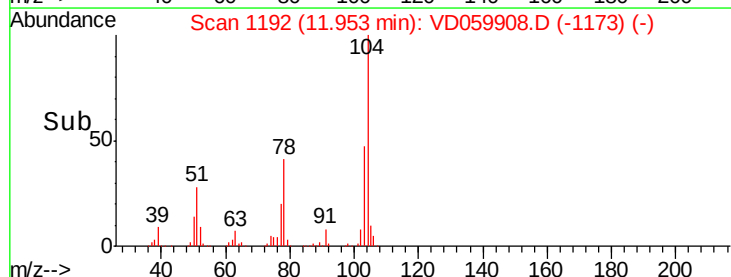
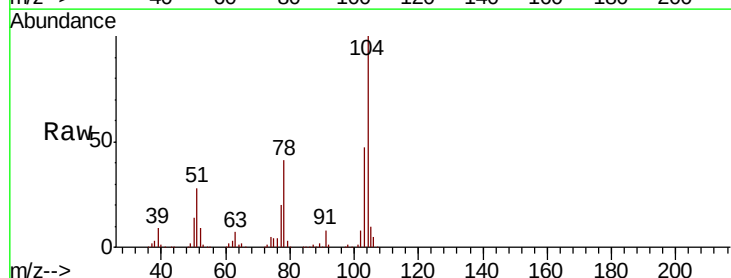
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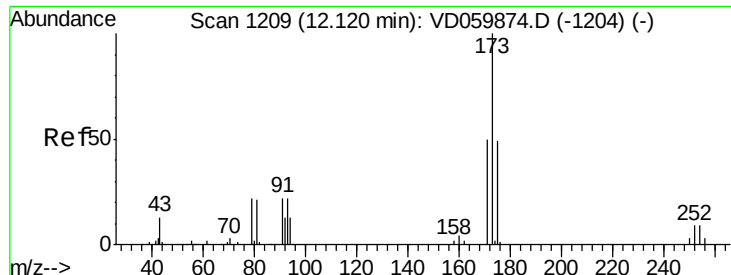
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#70
Styrene
Concen: 52.32 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	40.9	32.6	49.0	
103	46.8	37.7	56.5	





#71

Bromoform

Concen: 54.00 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

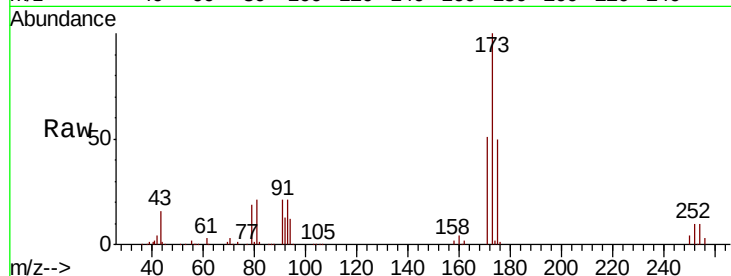
ClientSampleId :

VSTDCCC050

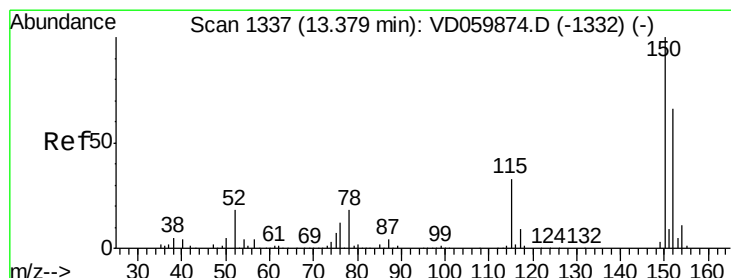
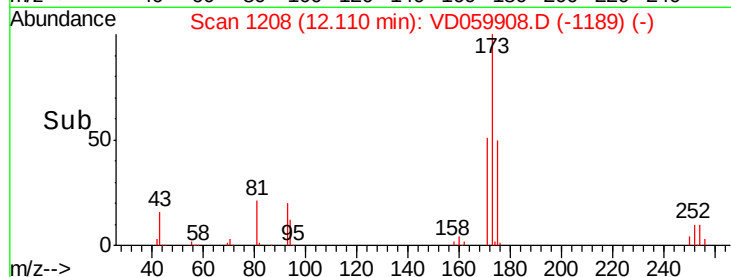
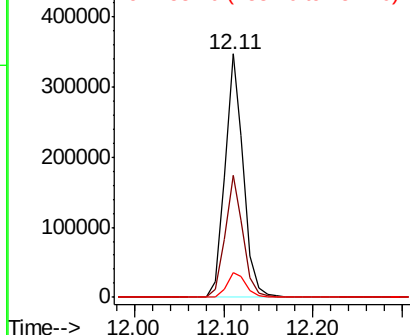
Tot Ion:	173	Resp:	504555
Ion Ratio	Lower	Upper	
173	100		
175	50.3	24.3	73.0
254	9.9	7.0	10.6

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

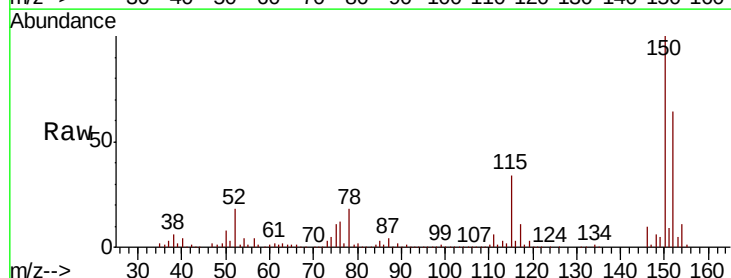
RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

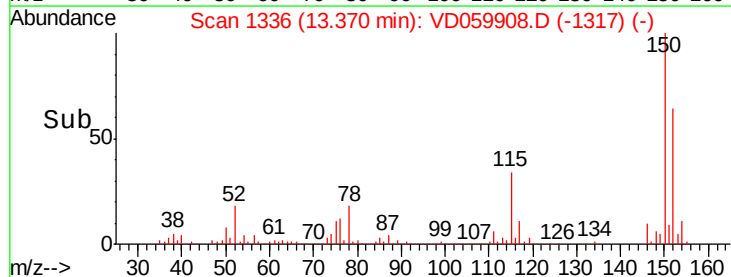
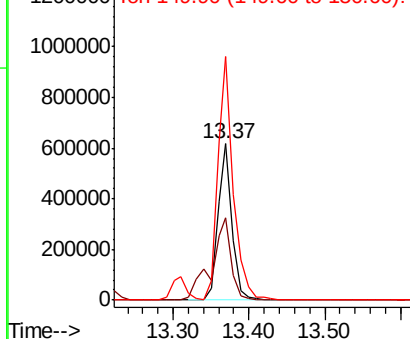
Lab File: VD059908.D

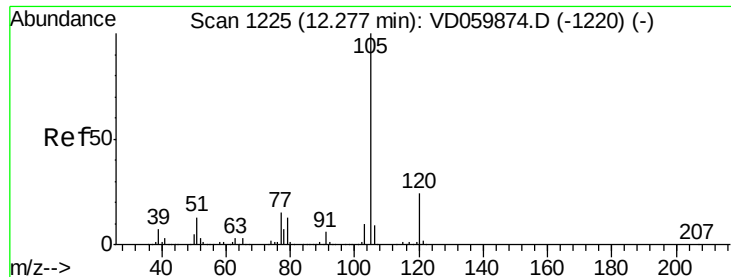
Acq: 27 Aug 2018 11:14

Tgt Ion:	152	Resp:	803782
Ion Ratio	Lower	Upper	
152	100		
115	52.7	25.7	77.0
150	155.6	0.0	310.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.64 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2547112

Ion Ratio Lower Upper

105 100

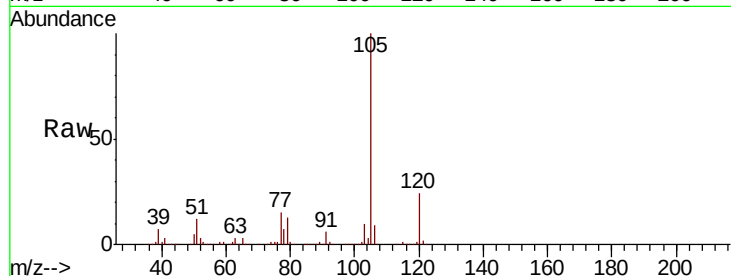
120 23.8 11.8 35.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2000000

1500000

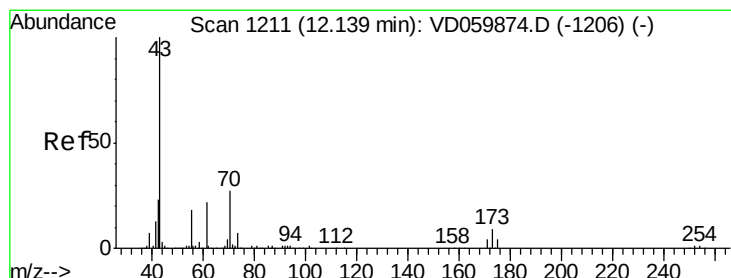
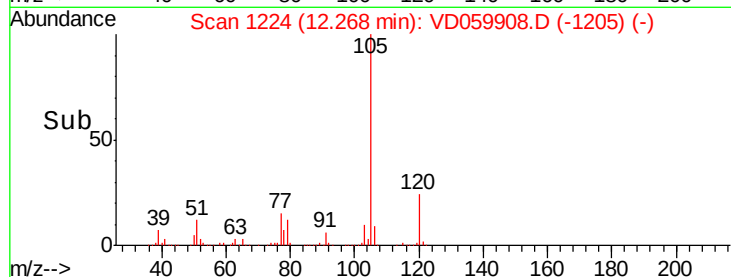
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 50.57 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Tgt Ion: 43 Resp: 1136207

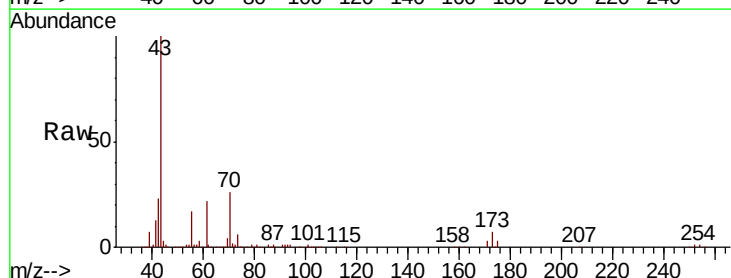
Ion Ratio Lower Upper

43 100

70 26.1 21.4 32.2

55 16.6 14.1 21.1

61 22.2 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

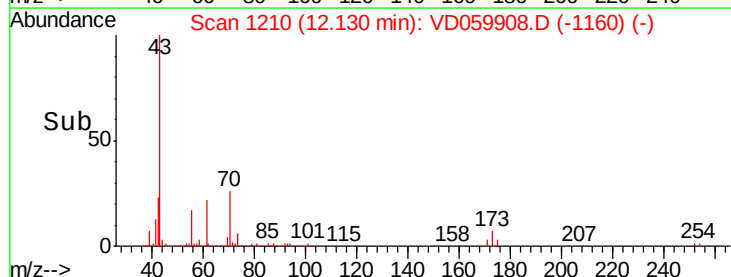
1000000

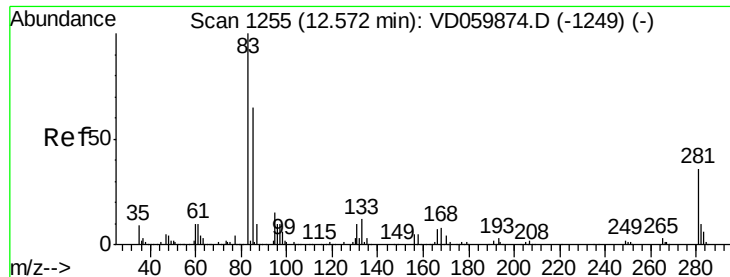
500000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.30 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 620664

Ion Ratio Lower Upper

83 100

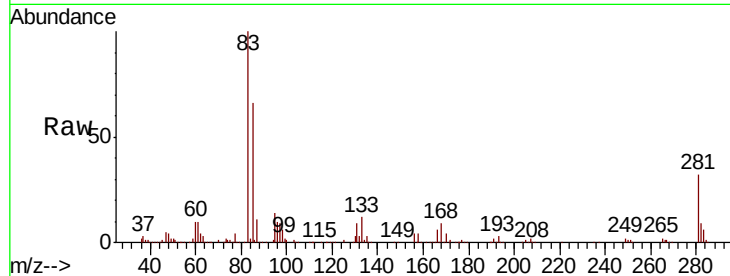
131 9.4 4.8 14.4

85 65.7 32.6 97.8

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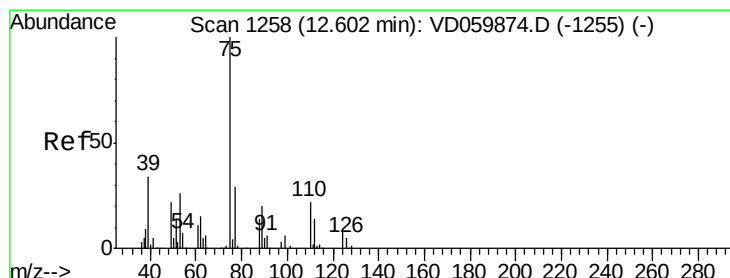
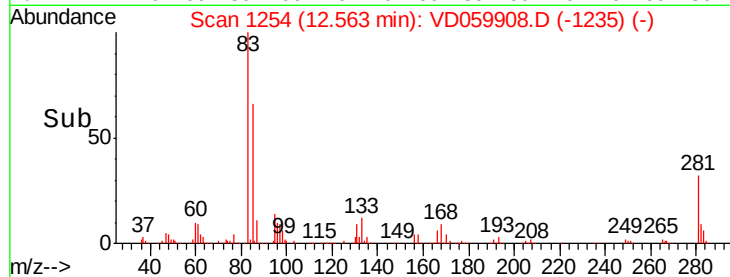
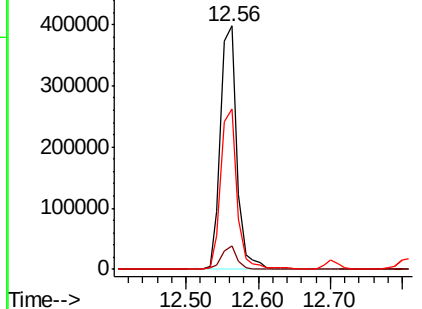
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 51.65 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059908.D

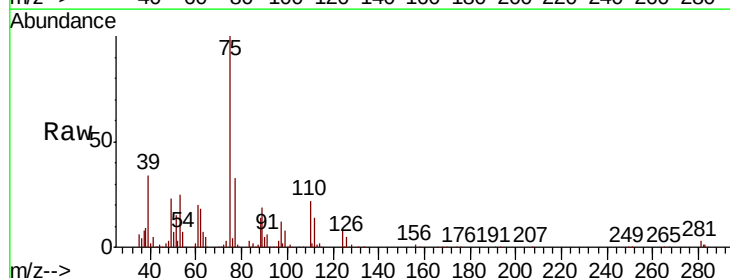
Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 645297

Ion Ratio Lower Upper

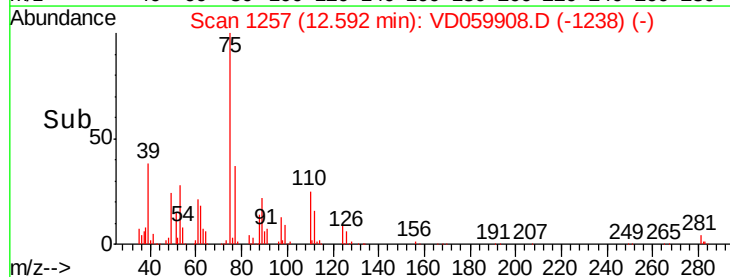
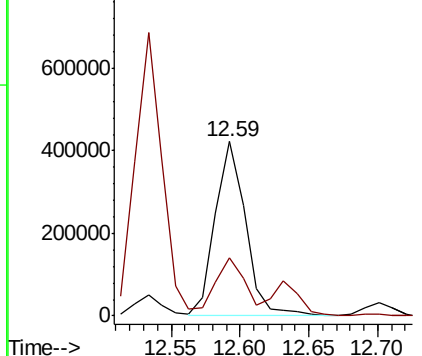
75 100

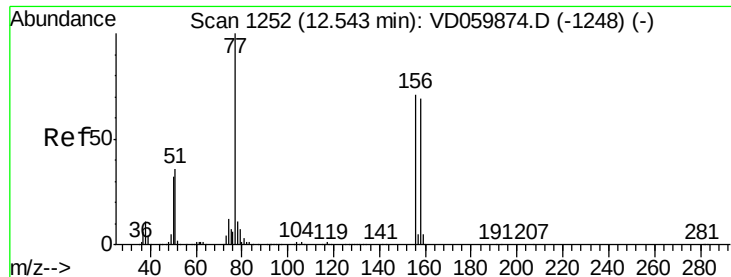
77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





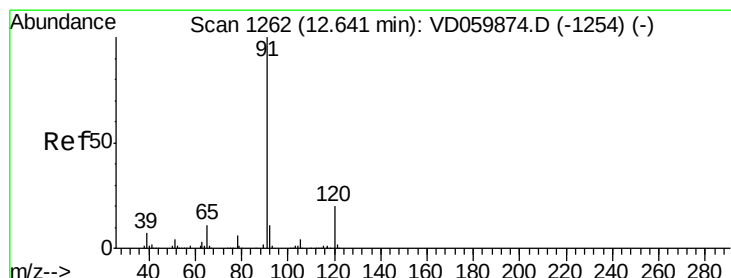
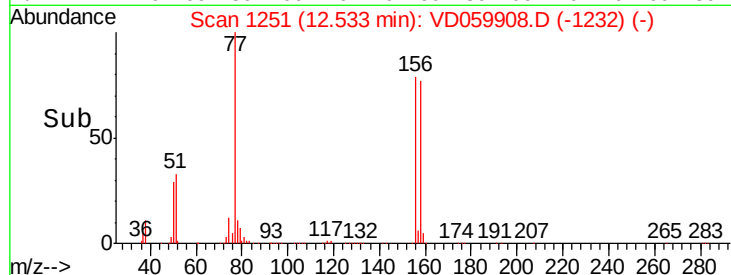
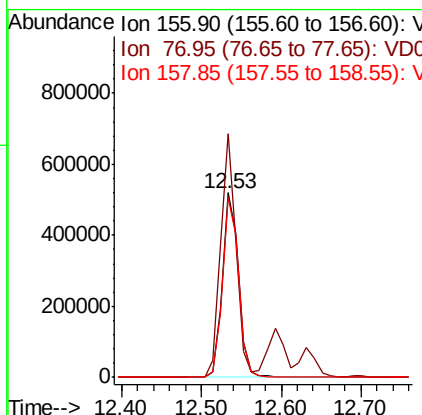
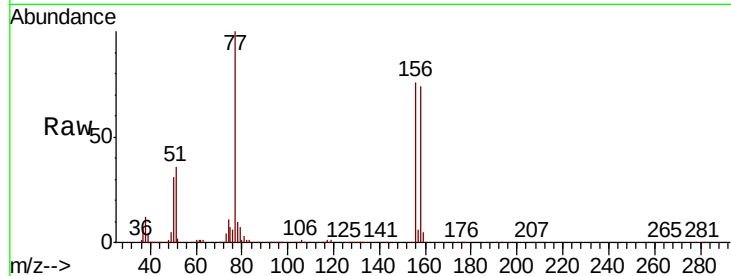
#77
Bromobenzene
Concen: 52.45 ug/l
RT: 12.53 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.2	70.2	210.4
158	97.3	48.4	145.2

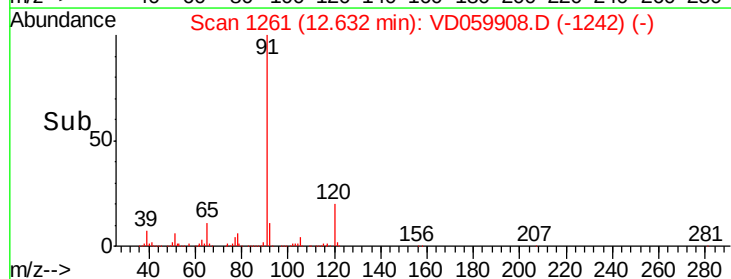
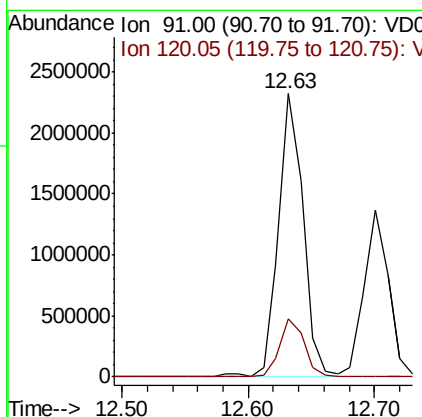
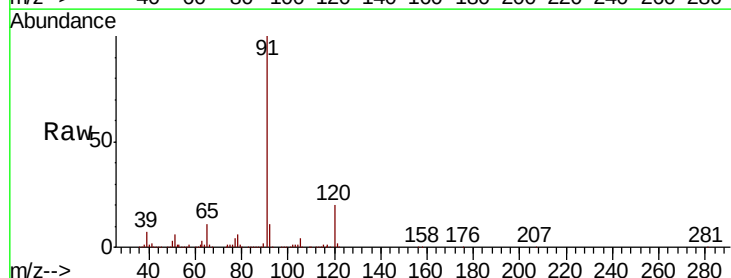
Manual Integrations
APPROVED

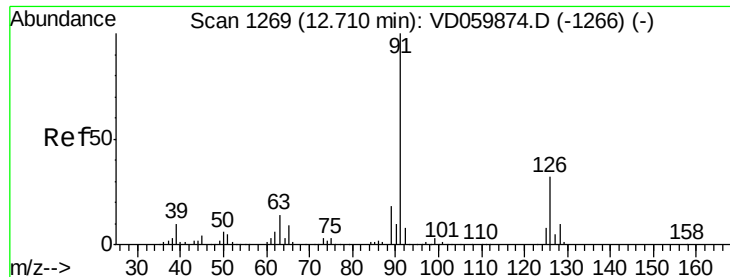
apatel
8/28/2018 2:12:24 PM



#78
n-propylbenzene
Concen: 48.88 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.1	30.3





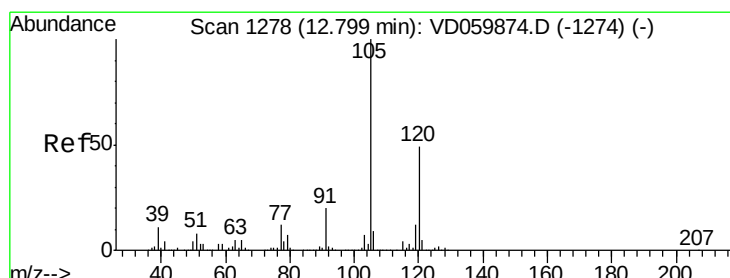
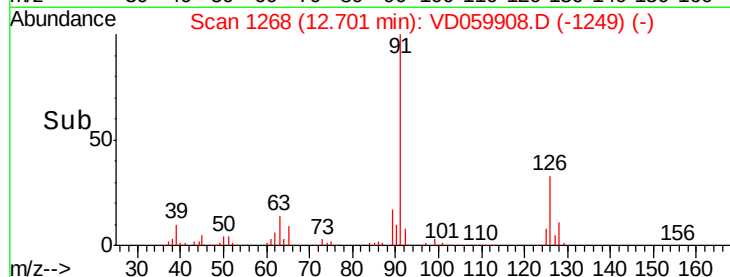
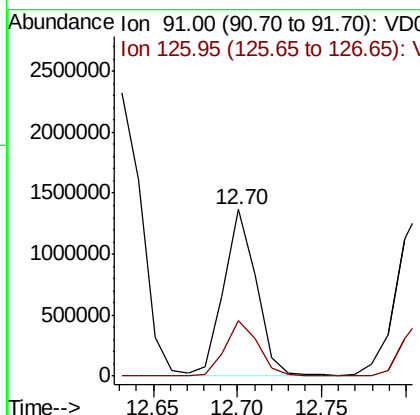
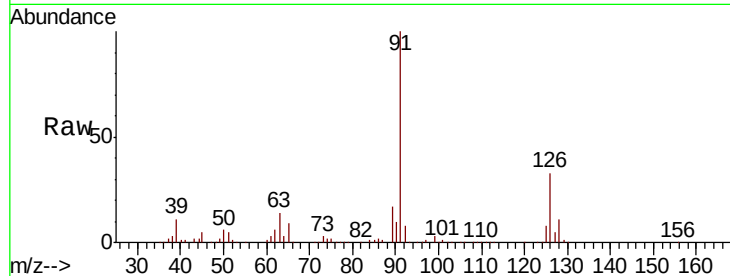
#79
2-Chlorotoluene
Concen: 50.00 ug/l
RT: 12.70 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1837053
Ion Ratio Lower Upper
91 100
126 33.3 16.1 48.2

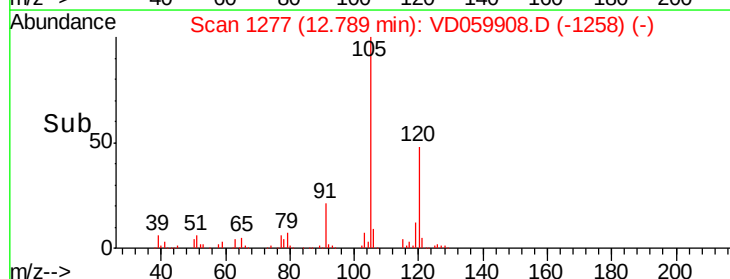
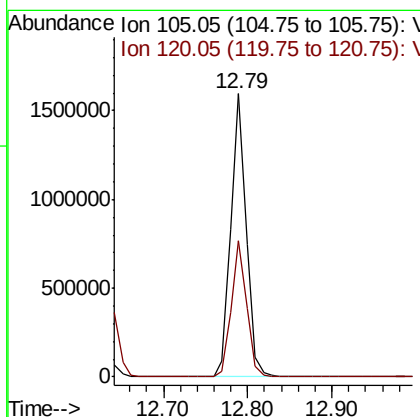
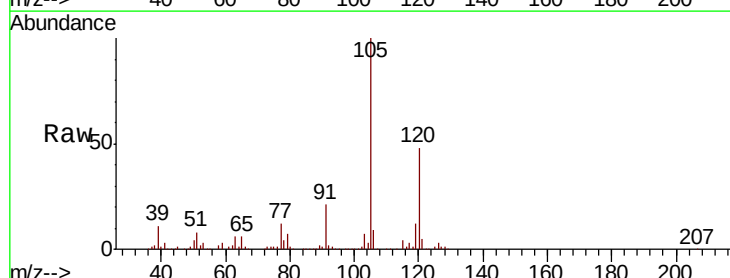
Manual Integrations
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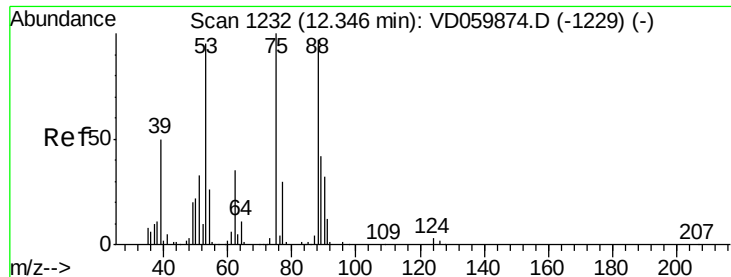
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#80
1,3,5-Trimethylbenzene
Concen: 49.33 ug/l
RT: 12.79 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion: 105 Resp: 2012248
Ion Ratio Lower Upper
105 100
120 48.2 24.5 73.5





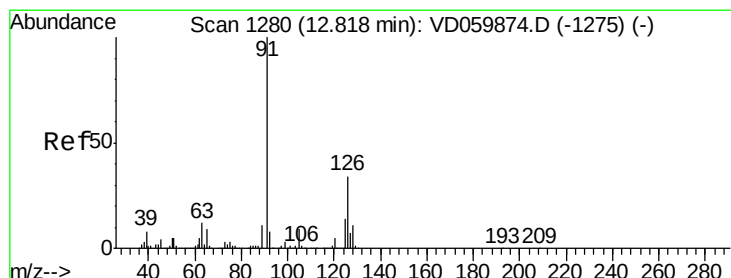
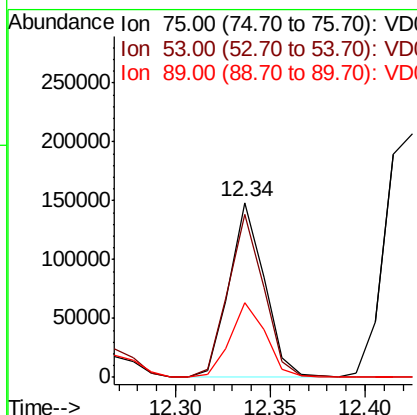
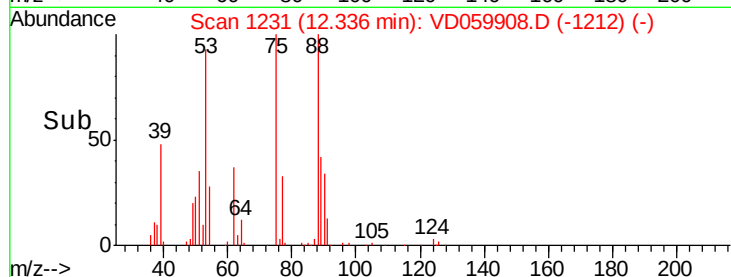
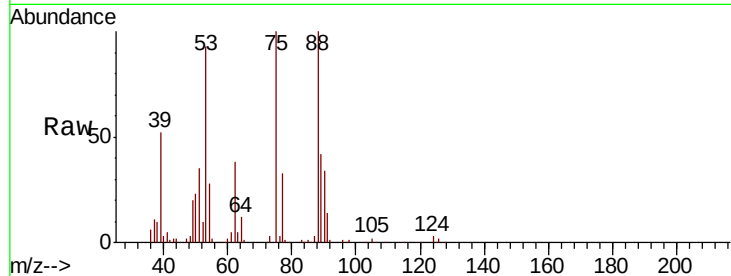
#81
trans-1,4-Dichloro-2-butene
Concen: 49.39 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	75.8	113.6
89	42.5	33.6	50.4

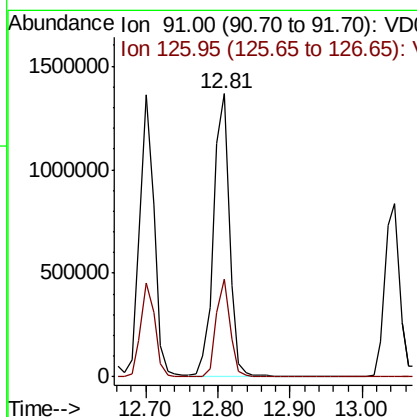
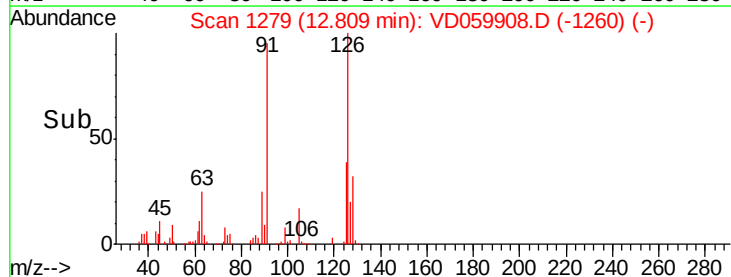
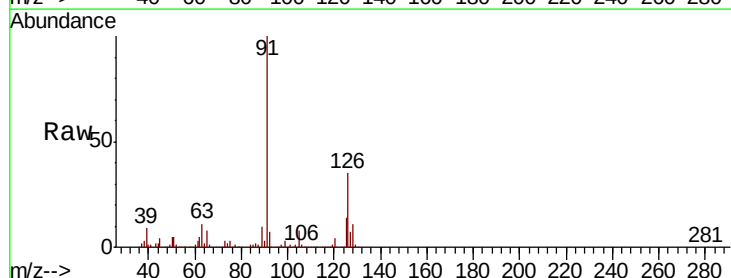
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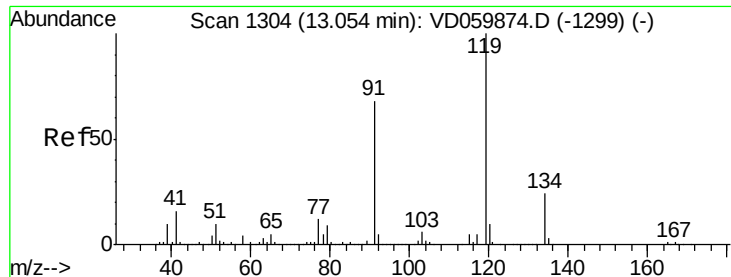
apatel
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#82
4-Chlorotoluene
Concen: 49.04 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.1	51.2





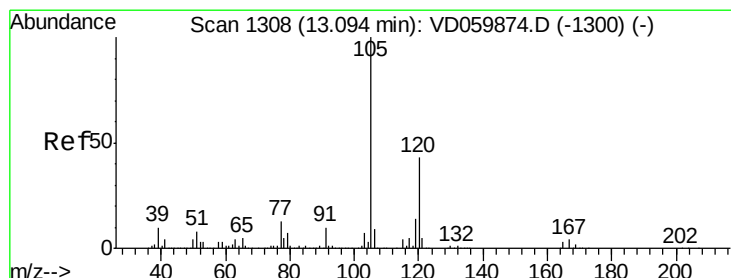
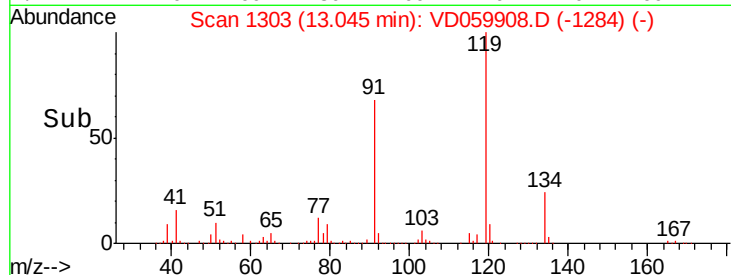
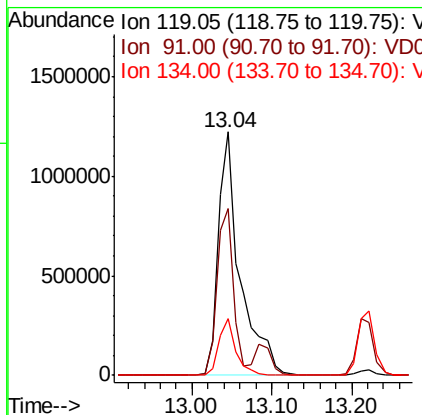
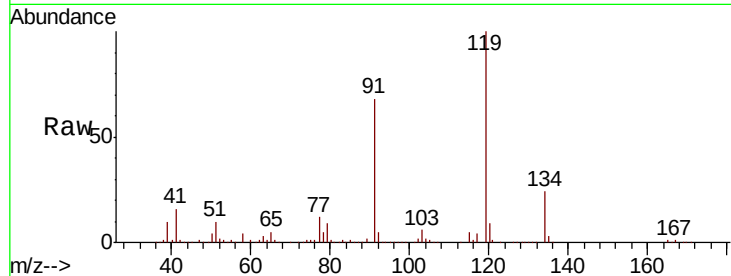
#83
 tert-Butylbenzene
 Concen: 50.50 ug/l
 RT: 13.04 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2346502
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.3 102.9
 134 23.5 11.9 35.9

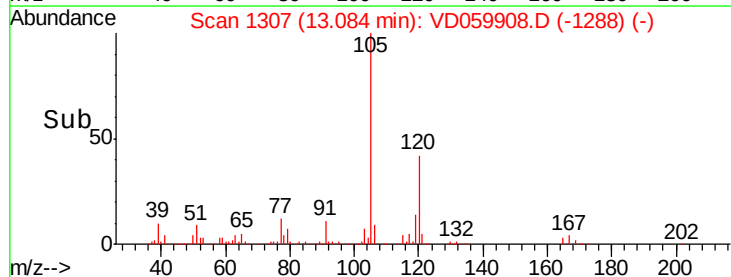
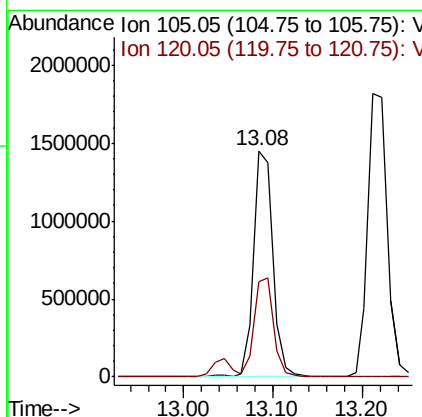
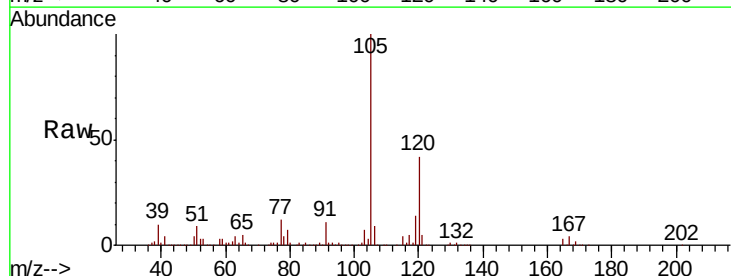
Manual Integrations
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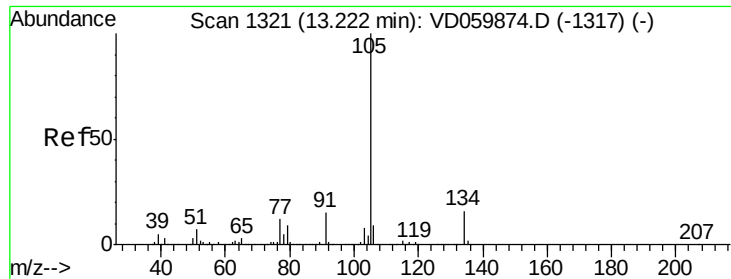
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.36 ug/l
 RT: 13.08 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:105 Resp: 2141253
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.8 65.3





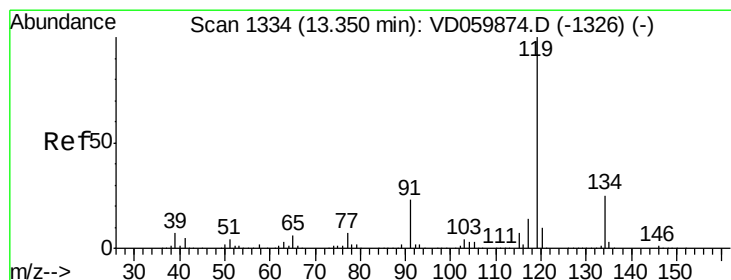
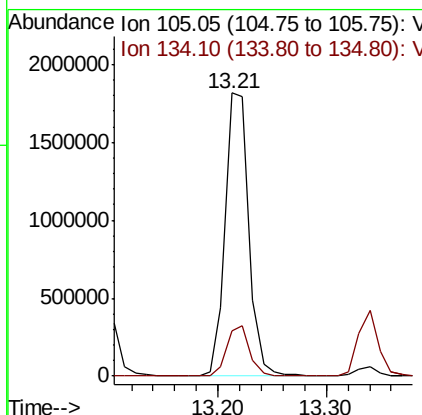
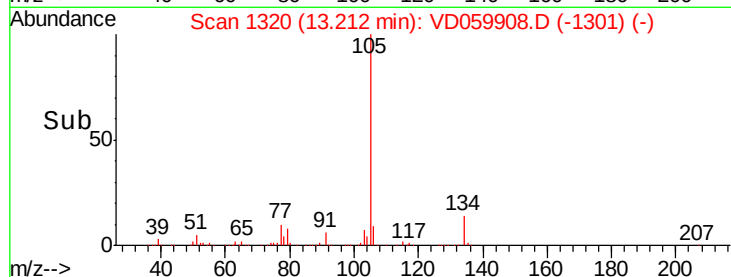
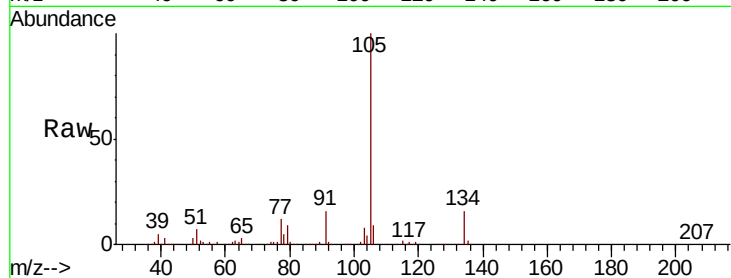
#85
 sec-Butylbenzene
 Concen: 50.45 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2756796
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.4

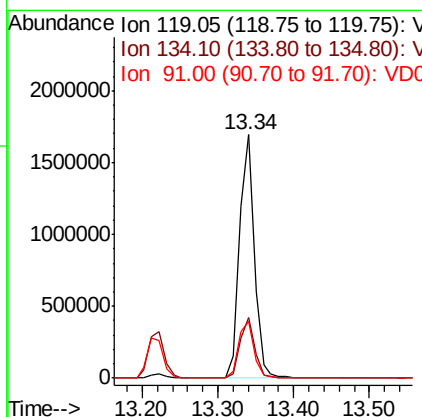
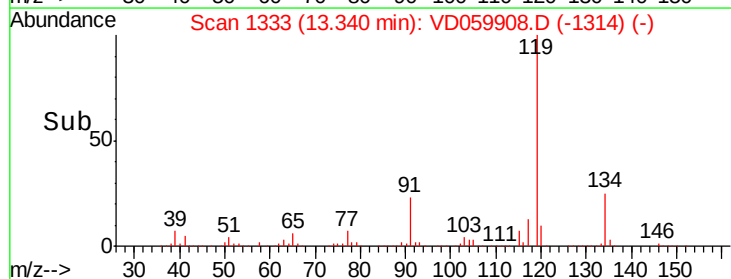
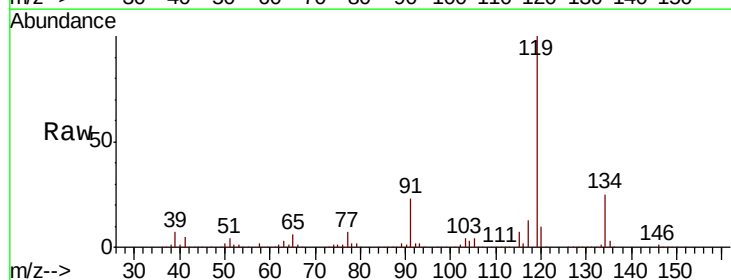
Manual Integrations
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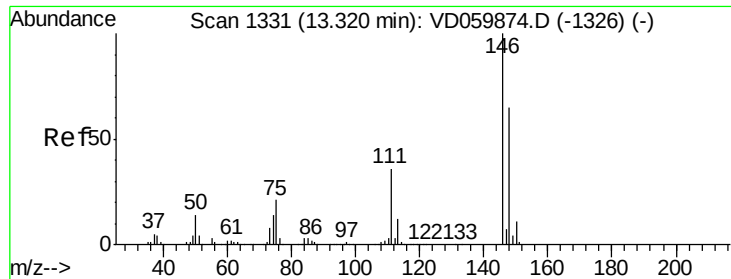
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#86
 p-Isopropyltoluene
 Concen: 50.66 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion:119 Resp: 2251607
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 23.3 11.7 35.0





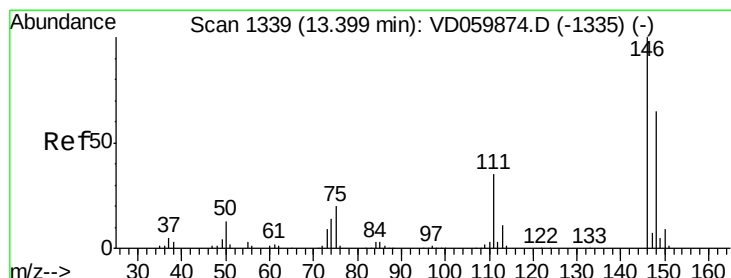
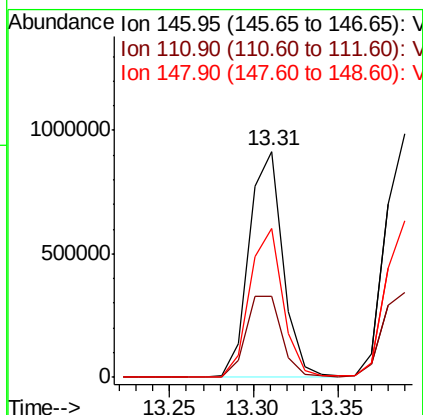
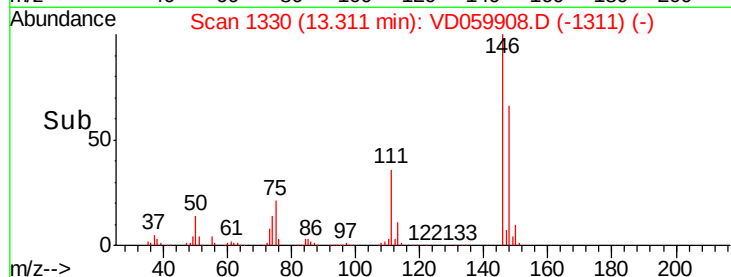
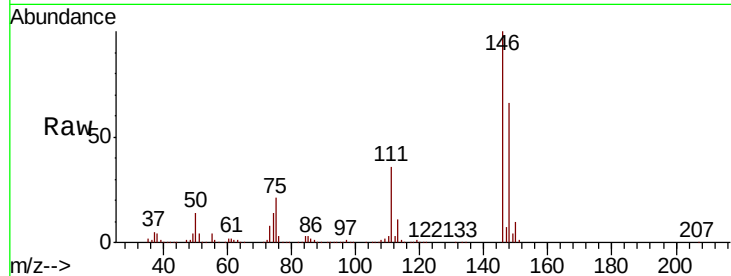
#87
 1,3-Dichlorobenzene
 Concen: 50.31 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	65.6	32.4	97.0

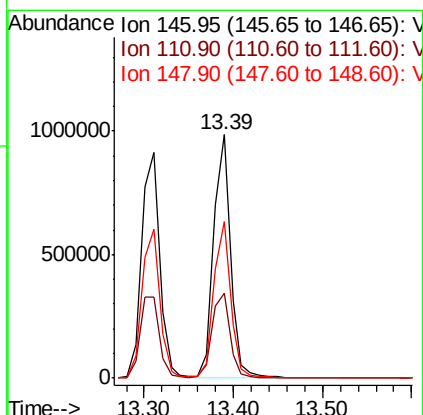
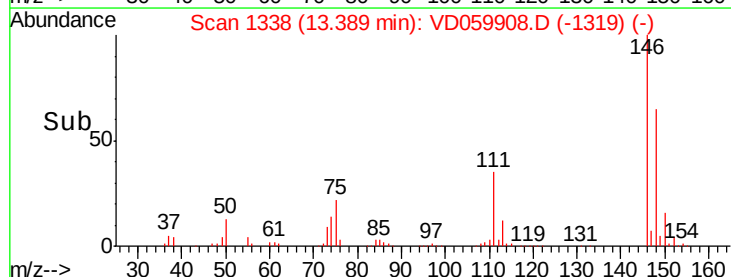
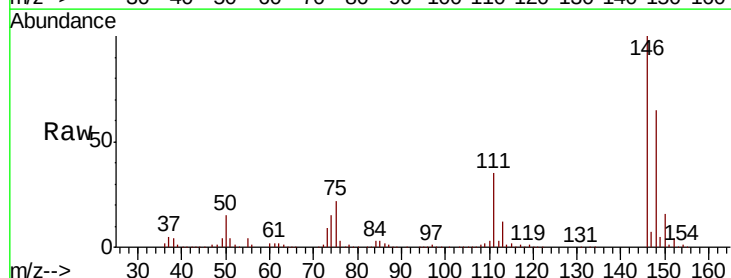
Manual Integrations
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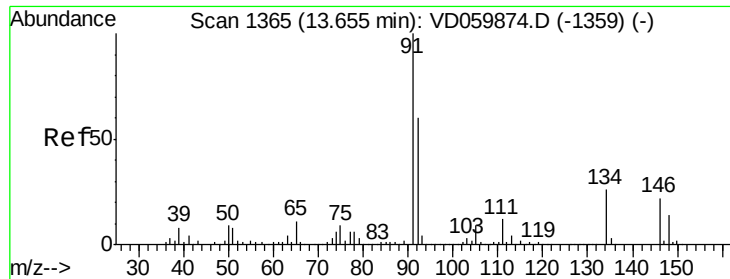
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#88
 1,4-Dichlorobenzene
 Concen: 51.30 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.5	52.6
148	64.5	32.5	97.5





#89

n-Butylbenzene

Concen: 52.91 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059908.D

Acq: 27 Aug 2018 11:14

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 91 Resp: 2215971

Ion Ratio Lower Upper

91 100

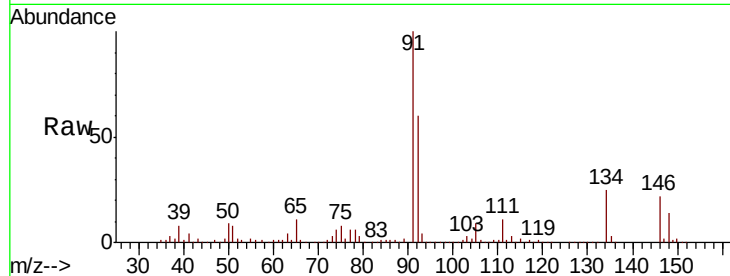
92 59.9 30.0 90.1

134 25.4 12.8 38.4

Manual Integrations
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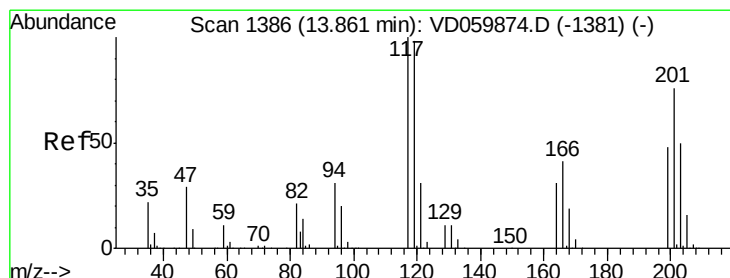
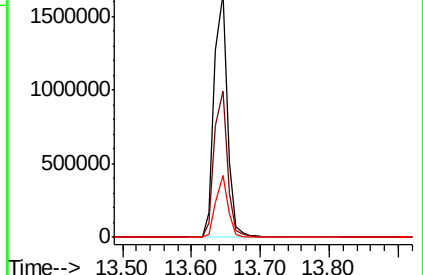
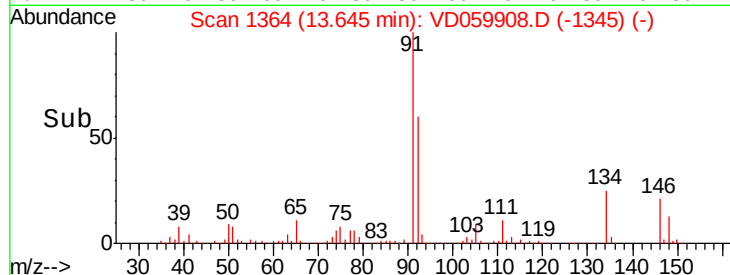
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 49.83 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059908.D

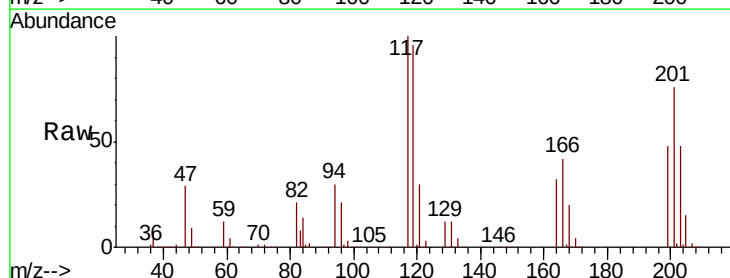
Acq: 27 Aug 2018 11:14

Tgt Ion: 117 Resp: 594684

Ion Ratio Lower Upper

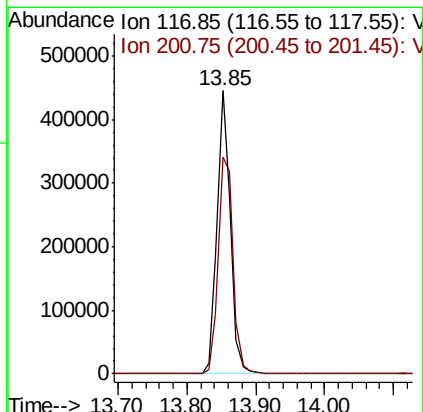
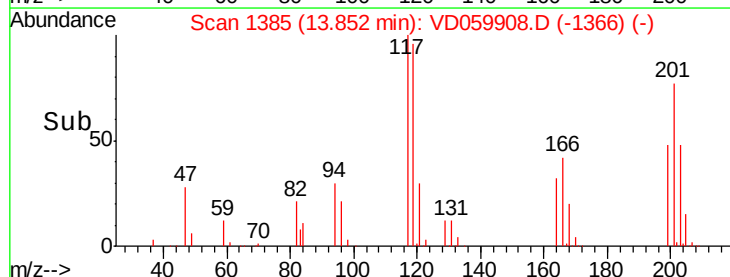
117 100

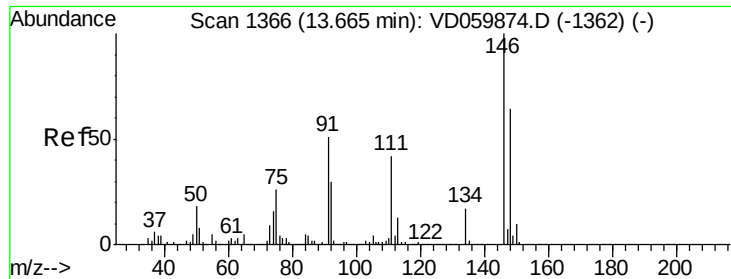
201 76.4 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





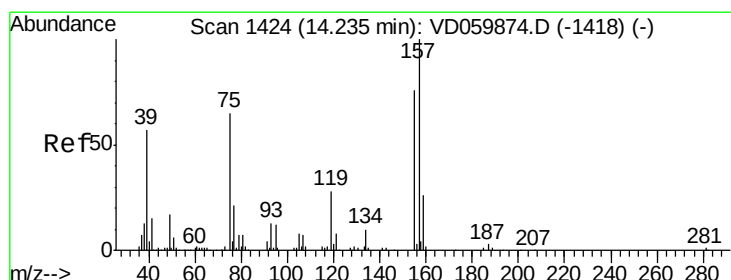
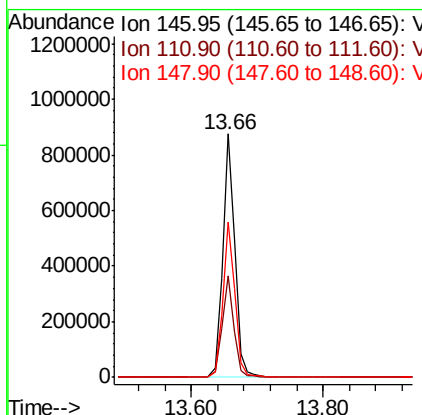
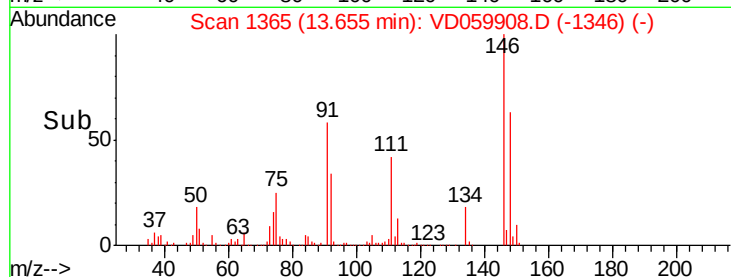
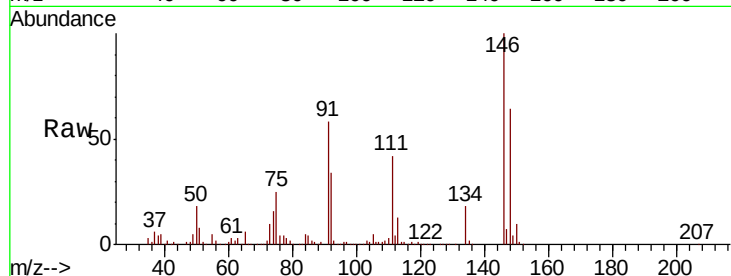
#91
 1,2-Dichlorobenzene
 Concen: 51.63 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:146 Resp: 1114904
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.1
 148 63.5 32.2 96.6

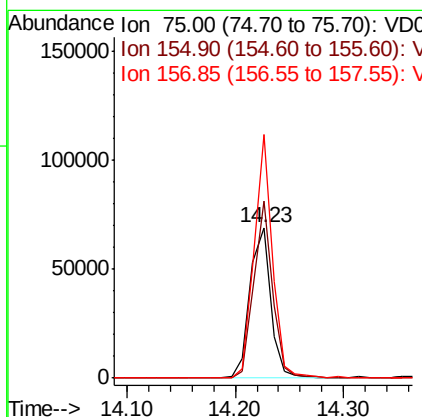
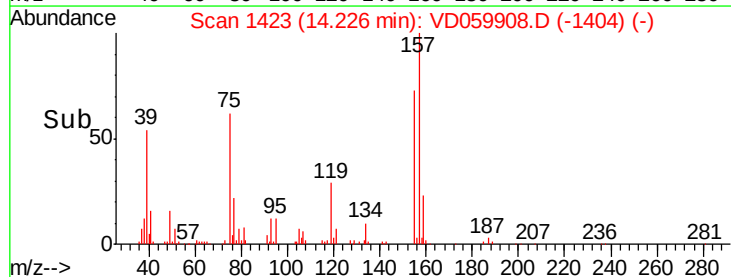
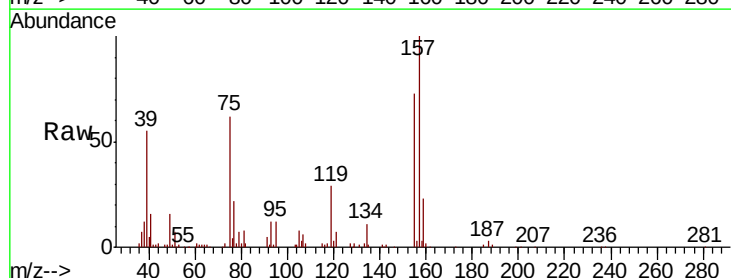
Manual Integrations
 APPROVED

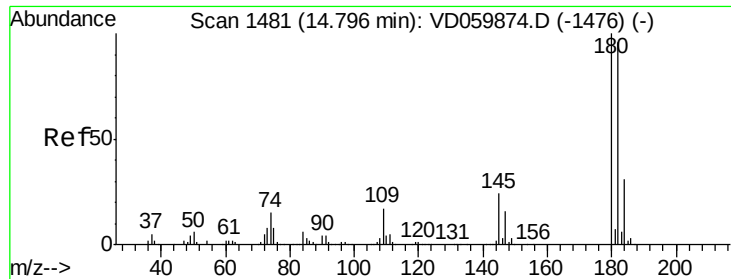
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.96 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion: 75 Resp: 92991
 Ion Ratio Lower Upper
 75 100
 155 118.1 58.2 174.6
 157 162.0 76.8 230.4





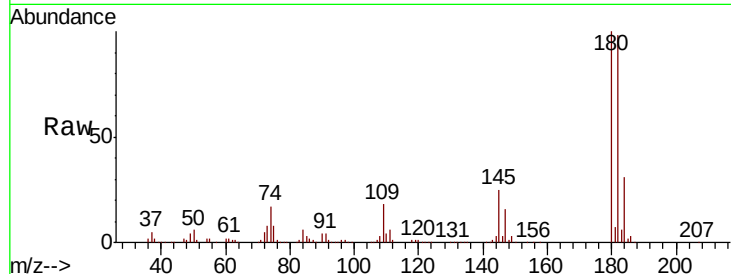
#93
 1,2,4-Trichlorobenzene
 Concen: 51.31 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

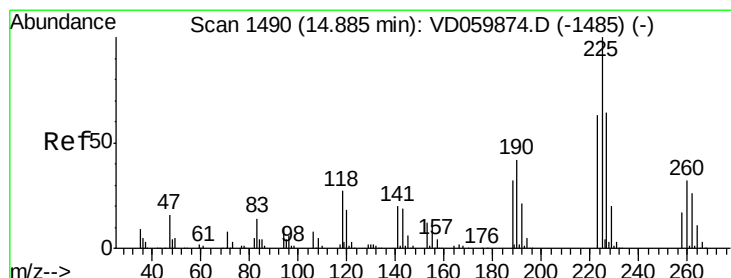
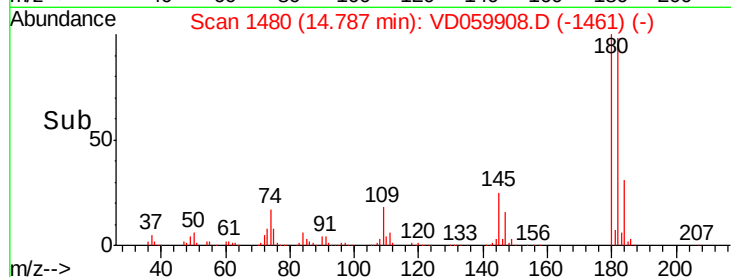
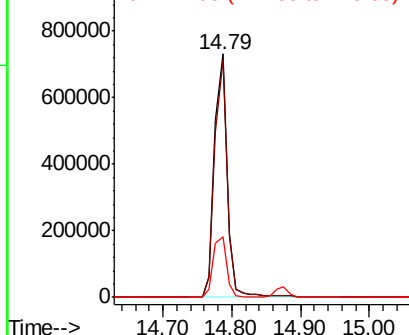
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	25.1	12.2	36.4

Manual Integrations
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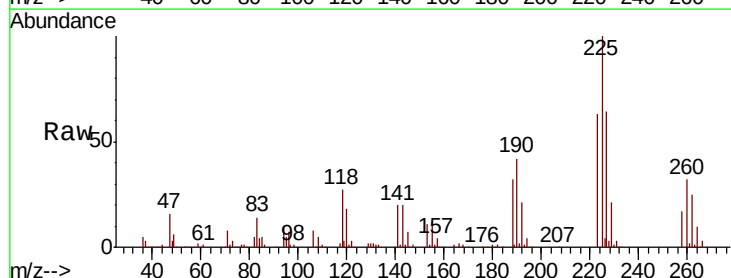


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

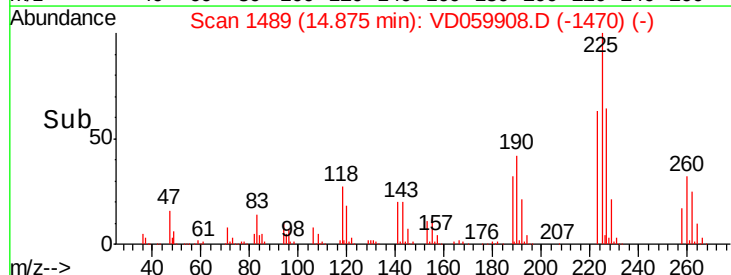
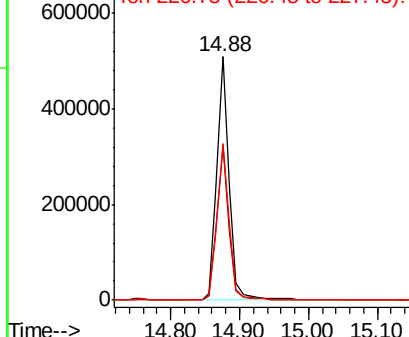


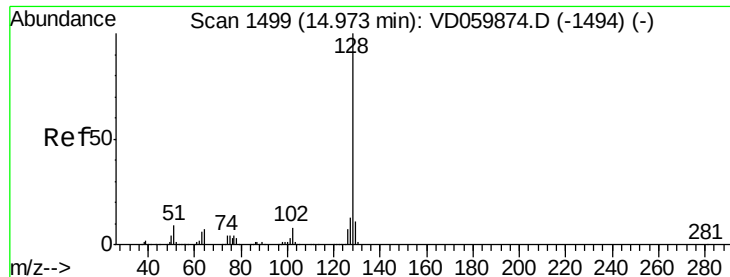
#94
 Hexachlorobutadiene
 Concen: 51.90 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059908.D
 Acq: 27 Aug 2018 11:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	94.8
227	64.3	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





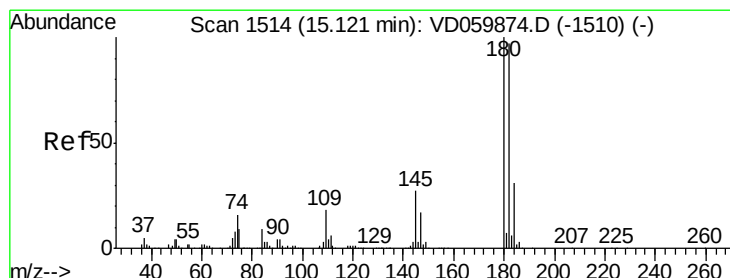
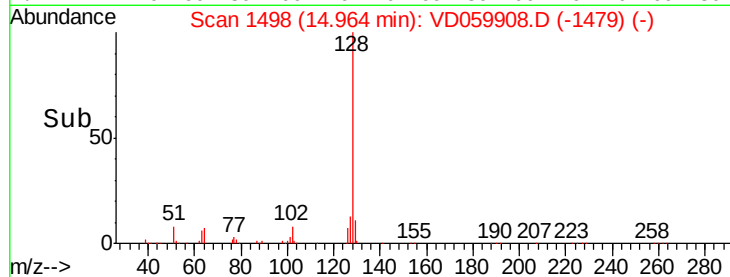
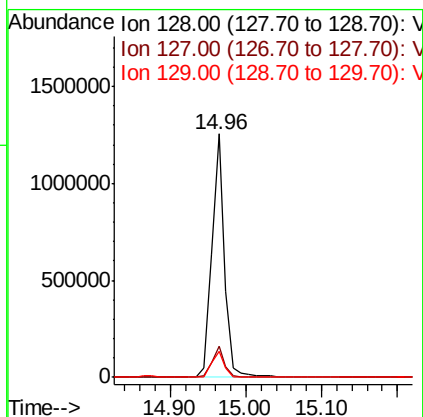
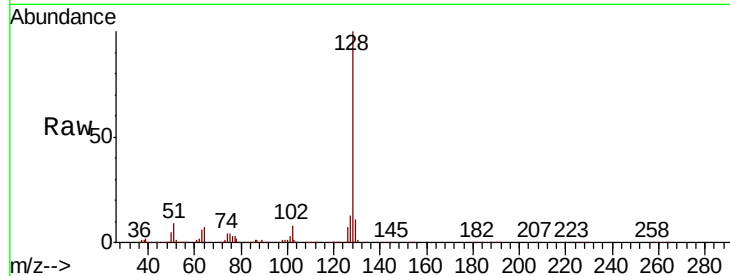
#95
Naphthalene
Concen: 52.84 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1492942
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.9 8.6 13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.03 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059908.D
Acq: 27 Aug 2018 11:14

Tgt Ion:180 Resp: 806932
Ion Ratio Lower Upper
180 100
182 97.3 48.6 145.8
145 27.0 13.6 40.8

