

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059897.D
 Acq On : 23 Aug 2018 19:26
 Operator : JC/SY
 Sample : J4559-10MS
 Misc : 5.10u/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:44 PM

Quant Time: Aug 24 07:07:19 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	57476	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	90119	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	72544	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	27092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	50837	104.94	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	209.88%	
35) Dibromofluoromethane	6.30	113	43751	61.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	123.84%	
50) Toluene-d8	9.44	98	97323	49.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.42	95	36664	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	24467	47.62	ug/l	99
3) Chloromethane	1.73	50	27967	60.09	ug/l	93
4) Vinyl Chloride	1.83	62	17880	48.99	ug/l	96
5) Bromomethane	2.13	94	12317	195.48	ug/l	92
6) Chloroethane	2.24	64	8819	Below	Cal	97
7) Trichlorofluoromethane	2.49	101	23422	55.48	ug/l	95
8) Diethyl Ether	2.80	74	9852	104.01	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.07	101	9577	37.04	ug/l	95
10) Methyl Iodide	3.22	142	10858	40.15	ug/l #	91
11) Tert butyl alcohol	3.94	59	58275	1576.56	ug/l #	91
12) 1,1-Dichloroethene	3.06	96	10460	51.97	ug/l	96
13) Acrolein	2.96	56	11813	736.84	ug/l	89
14) Allyl chloride	3.51	41	34743	76.30	ug/l #	92
15) Acrylonitrile	4.06	53	171429	1238.47	ug/l	100
16) Acetone	3.13	43	138295	1566.93	ug/l	97
17) Carbon Disulfide	3.29	76	26752	42.82	ug/l	98
18) Methyl Acetate	3.53	43	107297	582.36	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	122023	107.16	ug/l	94
20) Methylene Chloride	3.70	84	47079	82.33	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	28773	51.88	ug/l	93
22) Diisopropyl ether	4.83	45	185108	79.71	ug/l	99
23) Vinyl Acetate	4.78	43	469619	361.73	ug/l	98
24) 1,1-Dichloroethane	4.73	63	62876	62.67	ug/l	99
25) 2-Butanone	5.60	43	355227	1358.97	ug/l	98
26) 2,2-Dichloropropane	5.57	77	44814	53.43	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	40063	65.98	ug/l	95
28) Bromochloromethane	5.90	49	41092	85.46	ug/l	85
29) Tetrahydrofuran	5.93	42	171654	1379.37	ug/l	97
30) Chloroform	6.09	83	70406	69.05	ug/l	94
31) Cyclohexane	6.35	56	20820	22.57	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	43234	49.96	ug/l	95
36) 1,1-Dichloropropene	6.51	75	32311	39.55	ug/l	98
37) Ethyl Acetate	5.67	43	95517	150.25	ug/l #	93
38) Carbon Tetrachloride	6.48	117	30662	37.19	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	9027	10.23	ug/l	93
40) Benzene	6.78	78	117798	55.46	ug/l	99
41) Methacrylonitrile	5.91	41	52113m	162.74	ug/l	
42) 1,2-Dichloroethane	6.87	62	57304	84.03	ug/l	98
43) Isopropyl Acetate	8.34	43	94044	113.71	ug/l #	93
44) Trichloroethene	7.72	130	27148	43.41	ug/l	98
45) 1,2-Dichloropropane	8.08	63	36920	62.18	ug/l	97
46) Dibromomethane	8.20	93	33018	86.49	ug/l	92
47) Bromodichloromethane	8.48	83	56387	65.24	ug/l	93
48) Methyl methacrylate	8.23	41	76110	157.87	ug/l	98
49) 1,4-Dioxane	8.21	88	23147	5377.84	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	640726	1039.18	ug/l	97
52) Toluene	9.54	92	62260	45.71	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	58276	72.90	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	61134	65.96	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	44349	89.07	ug/l	94
56) Ethyl methacrylate	10.02	69	55431	96.47	ug/l	96
57) 1,3-Dichloropropane	10.38	76	59831	83.03	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.91	63	166551	604.20	ug/l	98
59) 2-Hexanone	10.48	43	505881	1112.39	ug/l	94
60) Dibromochloromethane	10.63	129	46155	73.75	ug/l	97
61) 1,2-Dibromoethane	10.75	107	47106	93.57	ug/l	99
64) Tetrachloroethene	10.24	164	18146	32.35	ug/l	92
65) Chlorobenzene	11.30	112	70088	48.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.41	131	29355	55.74	ug/l	99
67) Ethyl Benzene	11.42	91	98376	40.56	ug/l	96
68) m/p-Xylenes	11.56	106	68787	77.90	ug/l	91
69) o-Xylene	11.93	106	35695	41.33	ug/l	93
70) Styrene	11.95	104	66645	44.57	ug/l	94
71) Bromoform	12.11	173	40936	89.83	ug/l	98
73) Isopropylbenzene	12.27	105	60002	34.70	ug/l	99
74) N-amyl acetate	12.13	43	74328	98.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	70202	175.50	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	82528	195.99	ug/l	98
77) Bromobenzene	12.53	156	31742	66.20	ug/l	97
78) n-propylbenzene	12.63	91	73327	33.48	ug/l	93
79) 2-Chlorotoluene	12.70	91	56038	45.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	48801	35.49	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	21735	165.94	ug/l	96
82) 4-Chlorotoluene	12.81	91	71275	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	50731	32.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	57602	40.19	ug/l	100
85) sec-Butylbenzene	13.21	105	36306	19.71	ug/l	99
86) p-Isopropyltoluene	13.34	119	30336	20.25	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	36074	42.14	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	40556	47.49	ug/l	98
89) n-Butylbenzene	13.64	91	26830	16.17	ug/l	99
90) Hexachloroethane	13.85	117	6497	16.15	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	39407	54.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	12444	202.33	ug/l	95

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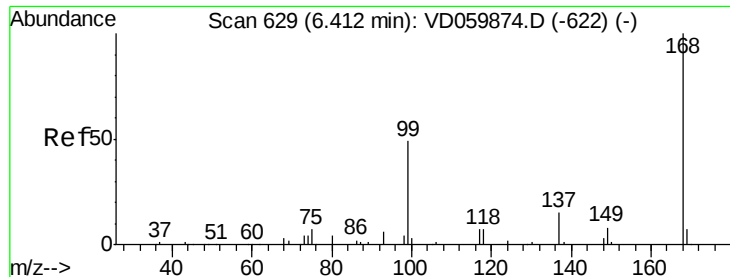
Manual Integrations
APPROVED

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8/24/2018 3:09:44 PM

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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)
93) 1,2,4-Trichlorobenzene	14.79	180	14178	22.75	ug/l	88
94) Hexachlorobutadiene	14.88	225	3029	7.41	ug/l	92
95) Naphthalene	14.96	128	76434	80.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	14239	26.71	ug/l	92

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



#1

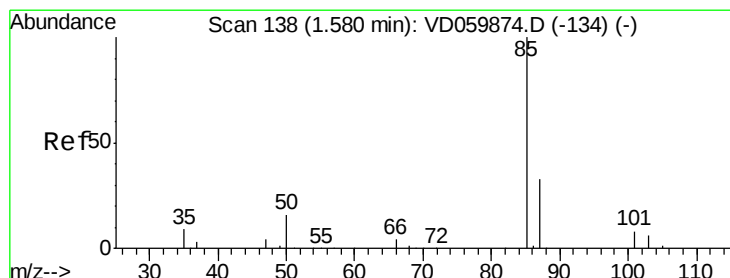
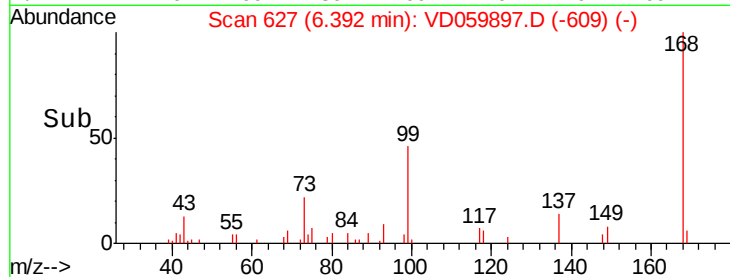
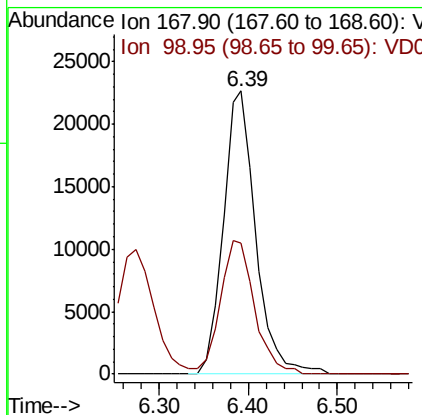
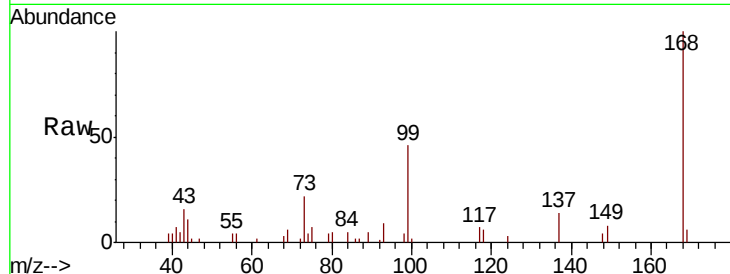
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.4	42.2	63.2

Manual Integrations
 APPROVED

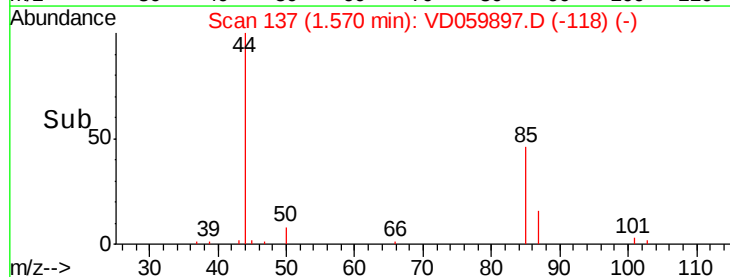
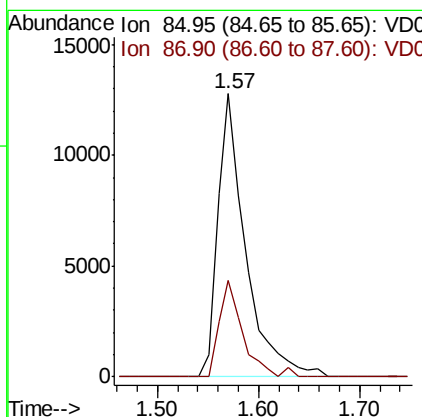
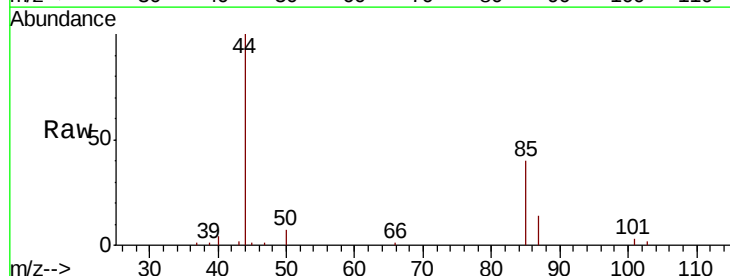
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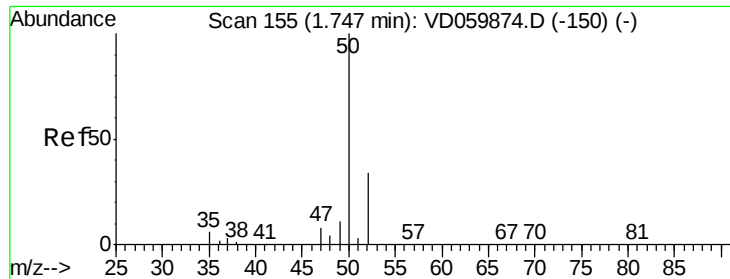


#2

Dichlorodifluoromethane
 Concen: 47.62 ug/l
 RT: 1.57 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.0	16.8	50.3





#3

Chloromethane

Concen: 60.09 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 50 Resp: 27967

Ion Ratio Lower Upper

50 100

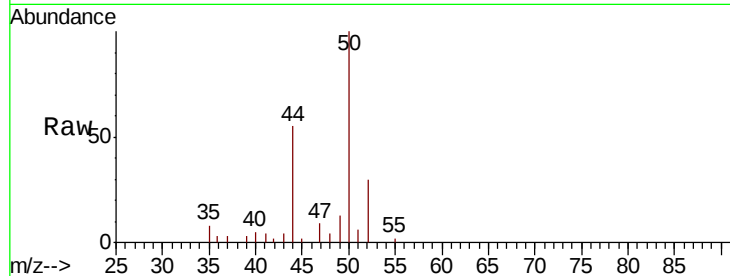
52 29.6 27.0 40.6

Manual Integrations

APPROVED

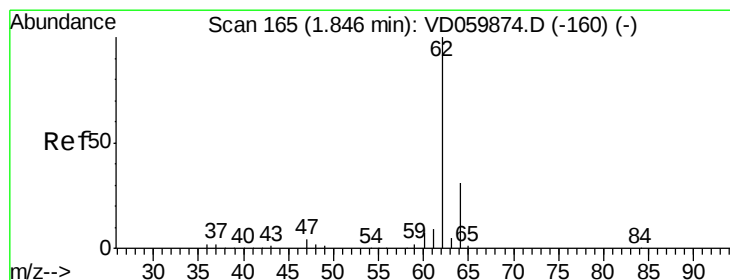
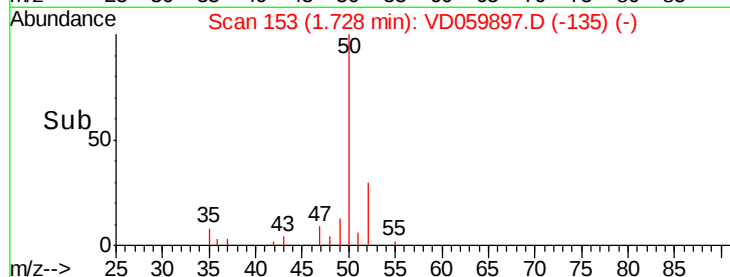
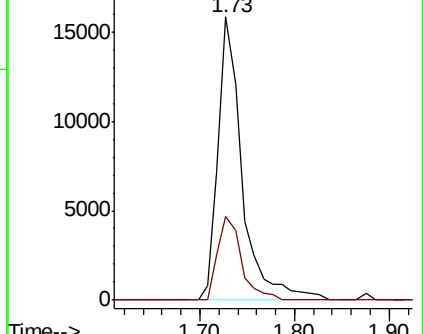
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.99 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059897.D

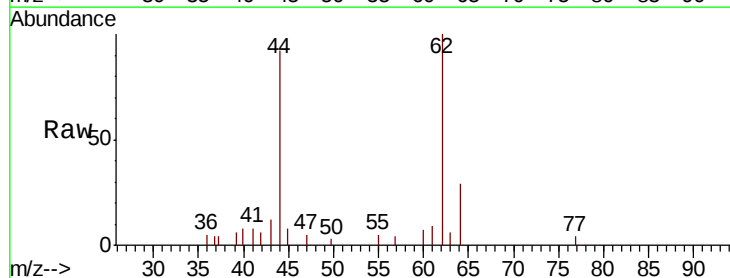
Acq: 23 Aug 2018 19:26

Tgt Ion: 62 Resp: 17880

Ion Ratio Lower Upper

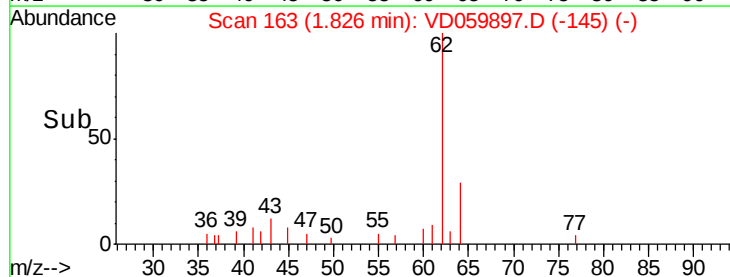
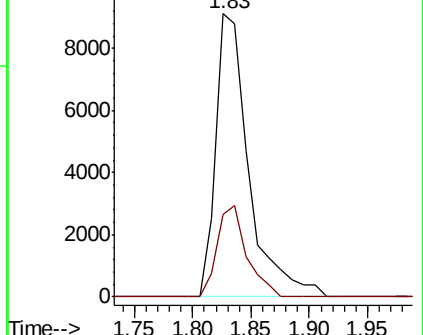
62 100

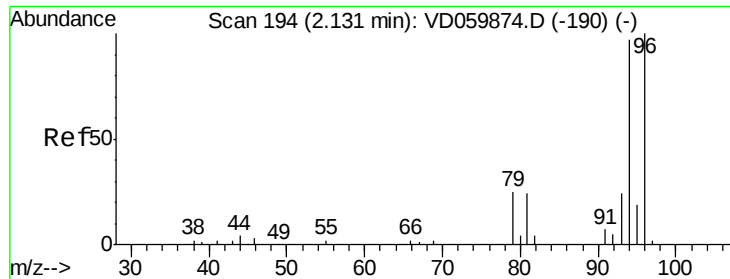
64 29.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 195.48 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 94 Resp: 12317

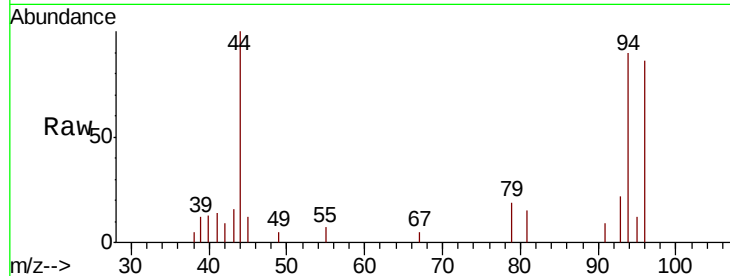
Ion Ratio Lower Upper

94 100

96 95.2 82.4 123.6

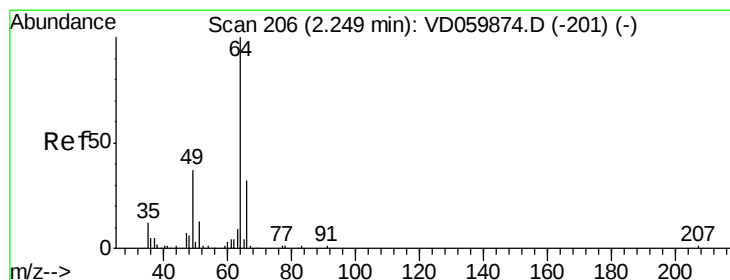
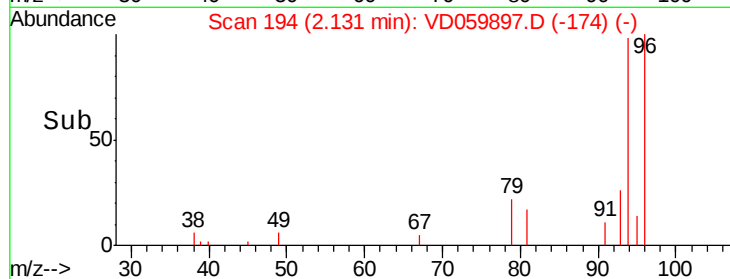
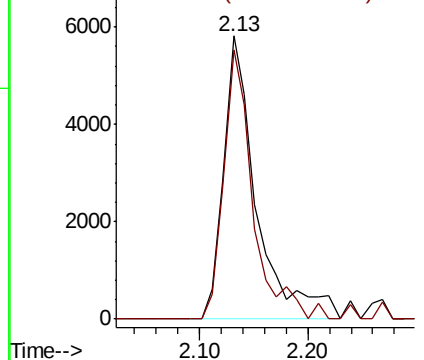
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: Below Cal

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059897.D

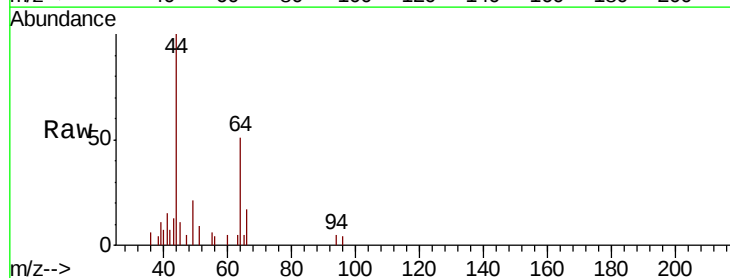
Acq: 23 Aug 2018 19:26

Tgt Ion: 64 Resp: 8819

Ion Ratio Lower Upper

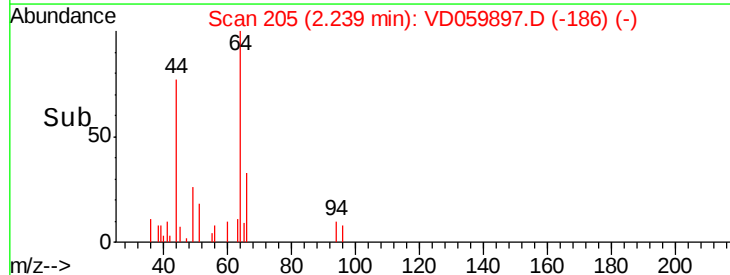
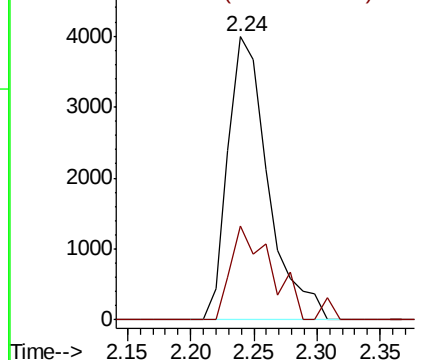
64 100

66 33.2 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

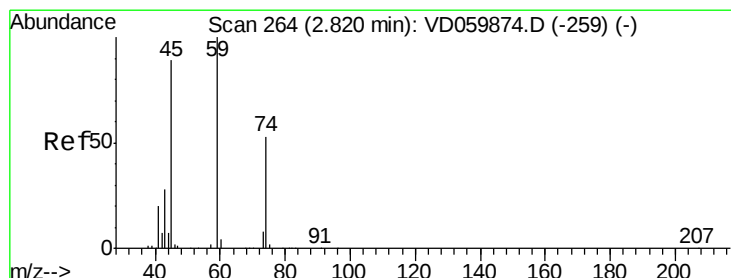
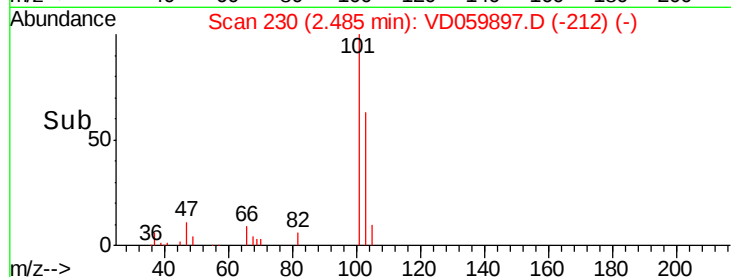
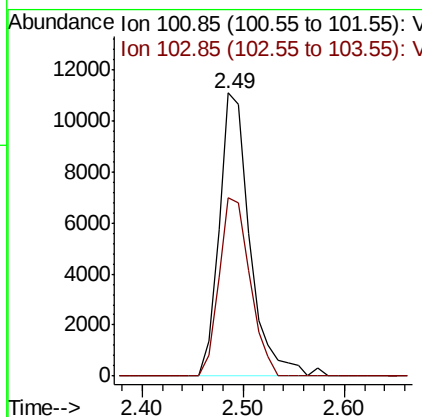
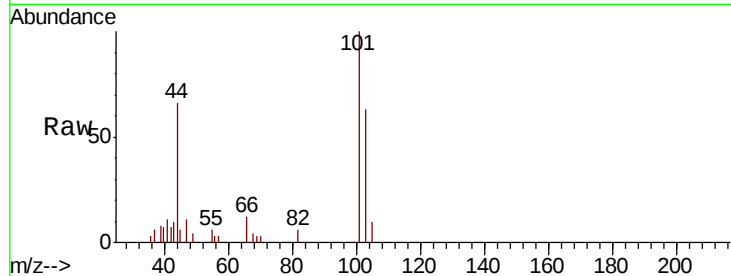
Trichlorofluoromethane
 Concen: 55.48 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.7	80.5

Manual Integrations
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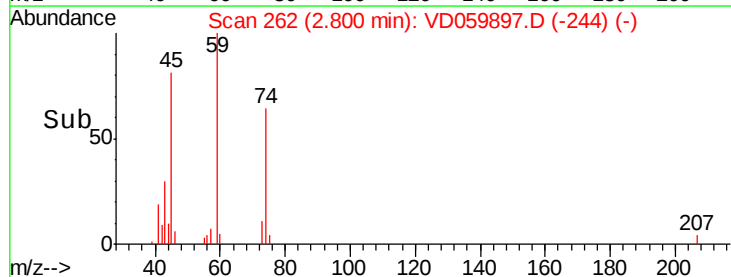
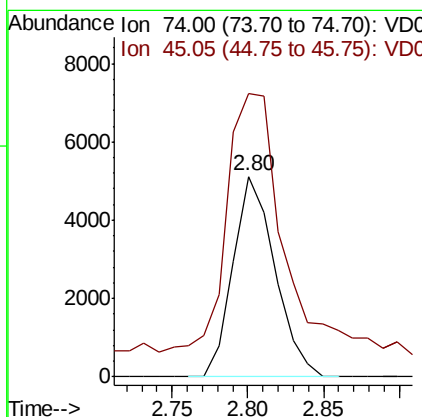
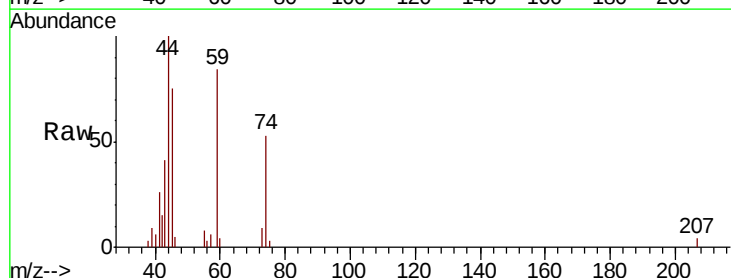
MMDadoda
 8/24/2018 3:09:44 PM

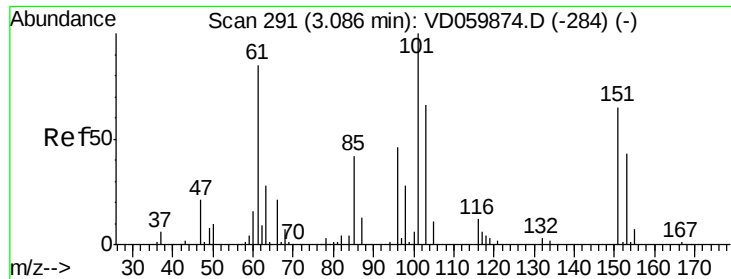


#8

Diethyl Ether
 Concen: 104.01 ug/l
 RT: 2.80 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.0	85.7	257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.04 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

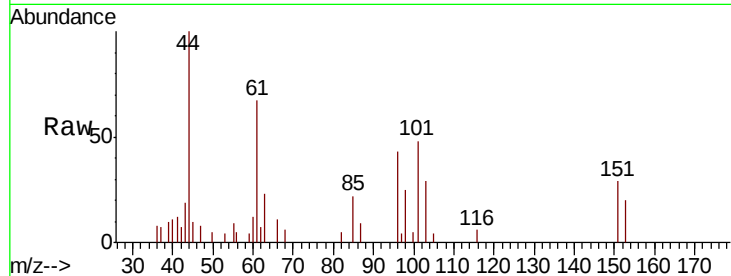
ClientSampleId :

RA-081718-WSW-20-053

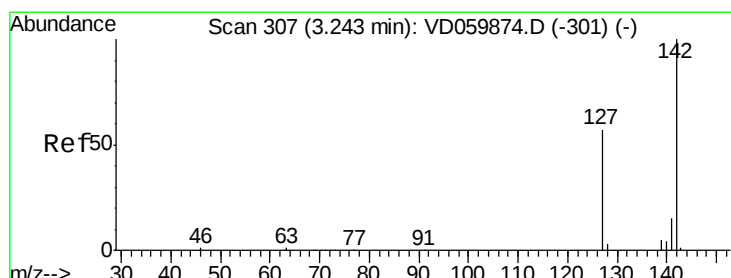
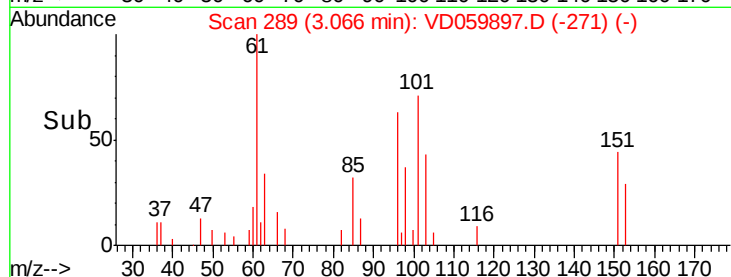
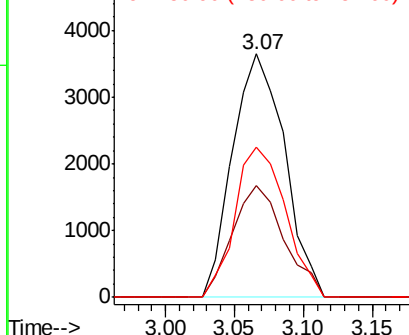
Tot Ion:	101	Resp:	9577
Ion Ratio	Lower	Upper	
101	100		
85	45.9	33.6	50.4
151	61.8	52.0	78.0

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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: 40.15 ug/l

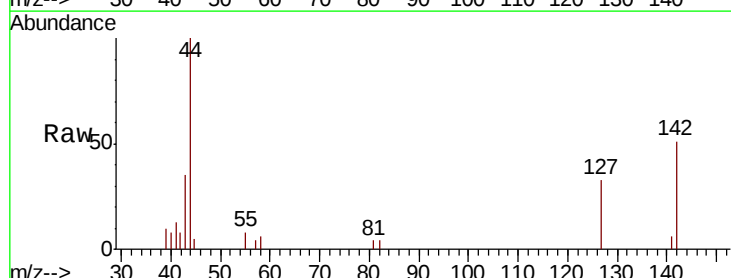
RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

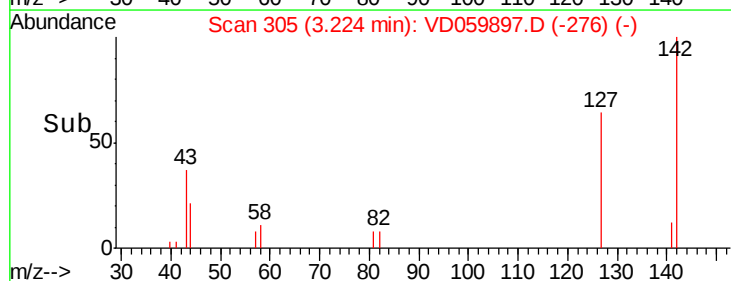
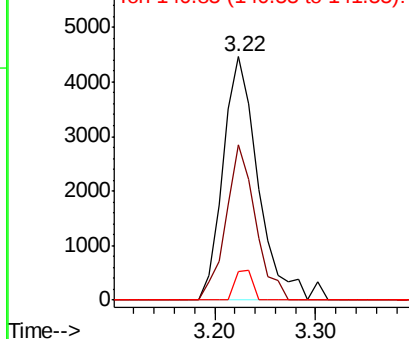
Lab File: VD059897.D

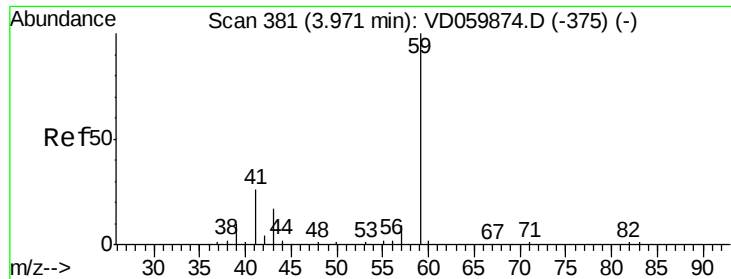
Acq: 23 Aug 2018 19:26

Tgt Ion:	142	Resp:	10858
Ion Ratio	Lower	Upper	
142	100		
127	64.0	45.8	68.6
141	11.5	11.6	17.4#



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





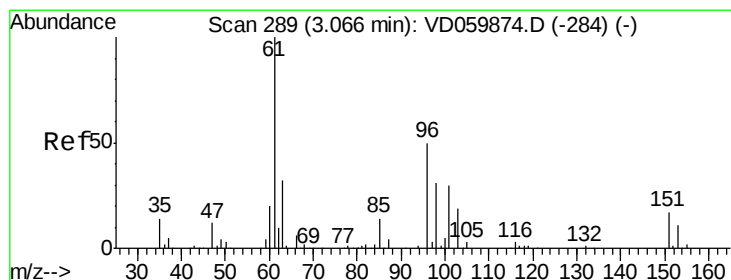
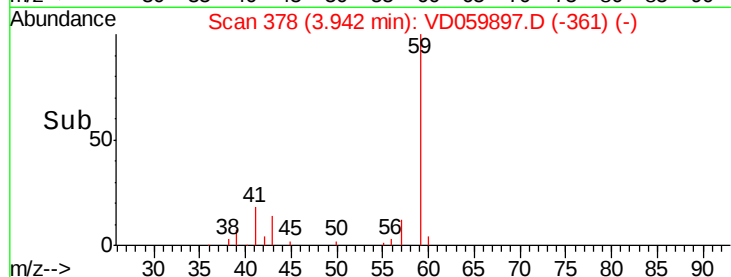
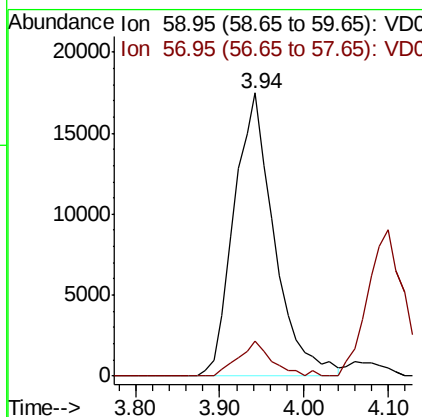
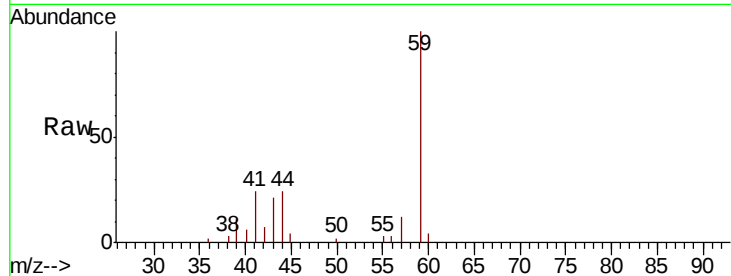
#11
Tert butyl alcohol
Concen: 1576.56 ug/l
RT: 3.94 min Scan# 378
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 59 Resp: 58275
Ion Ratio Lower Upper
59 100
57 12.4 7.4 11.0#

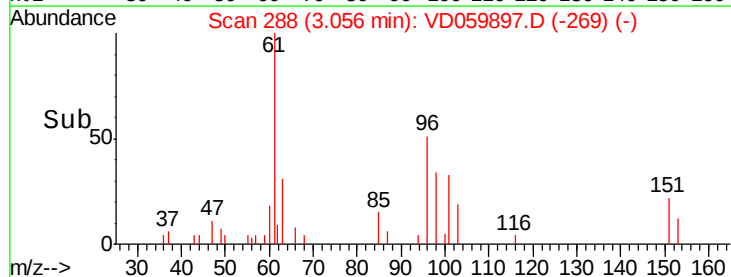
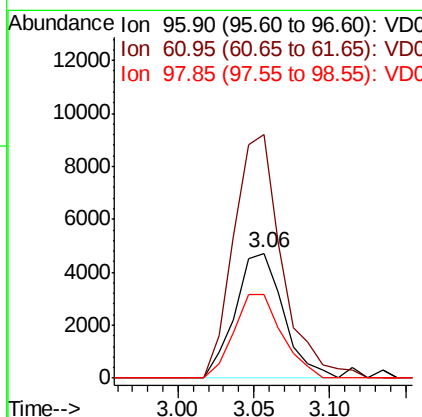
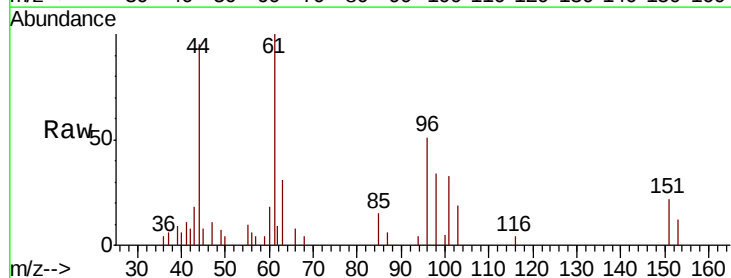
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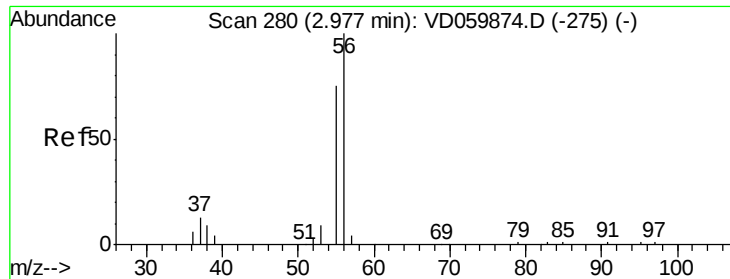
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#12
1,1-Dichloroethene
Concen: 51.97 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 96 Resp: 10460
Ion Ratio Lower Upper
96 100
61 195.1 158.8 238.2
98 66.9 48.7 73.1





#13

Acrolein

Concen: 736.84 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 56 Resp: 11813

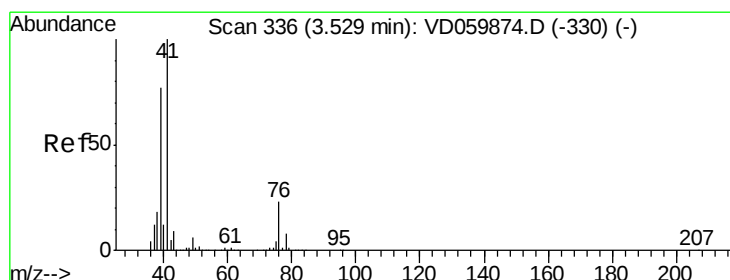
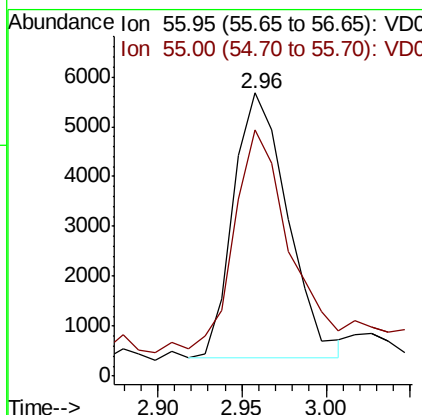
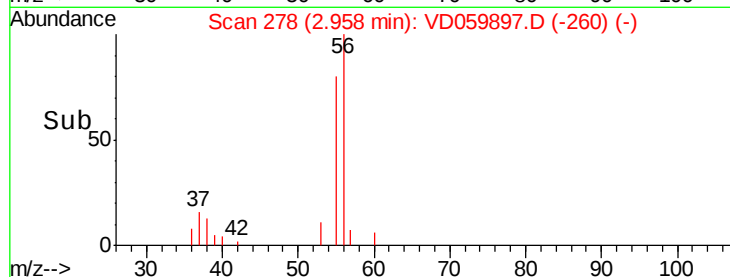
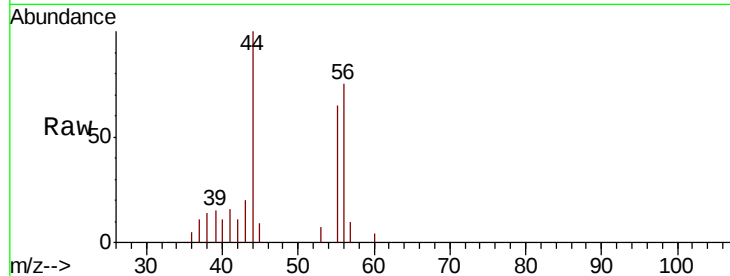
Ion Ratio Lower Upper

56 100

55 87.0 61.9 92.9

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#14

Allyl chloride

Concen: 76.30 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

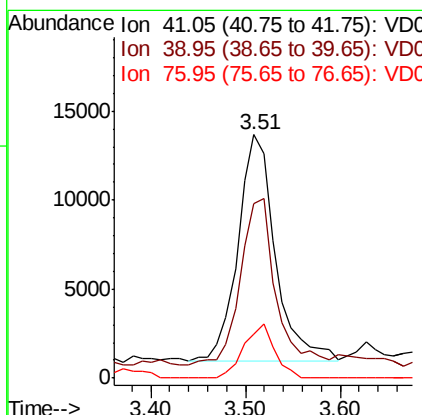
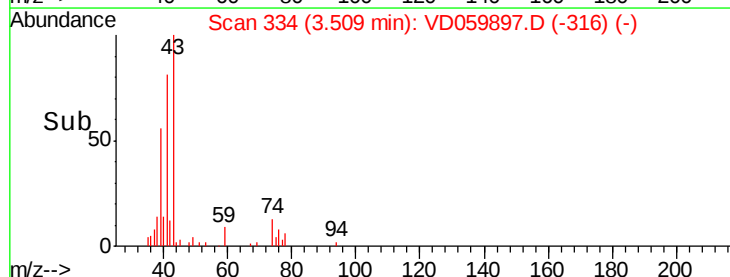
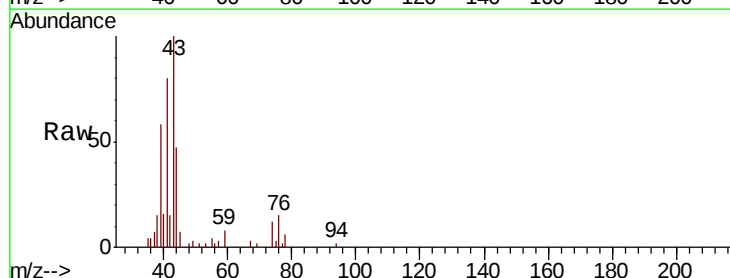
Tgt Ion: 41 Resp: 34743

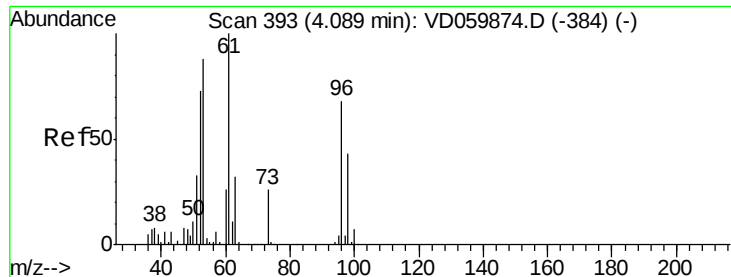
Ion Ratio Lower Upper

41 100

39 71.9 61.8 92.6

76 18.2 19.4 29.2#





#15

Acrylonitrile

Concen: 1238.47 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

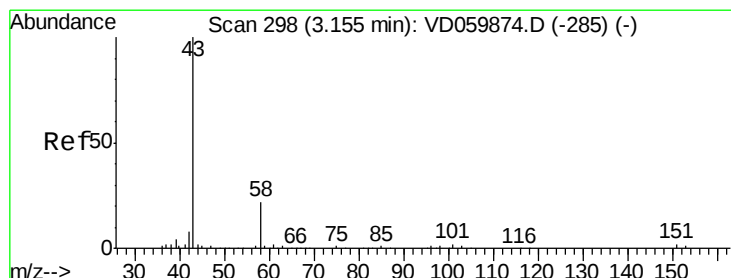
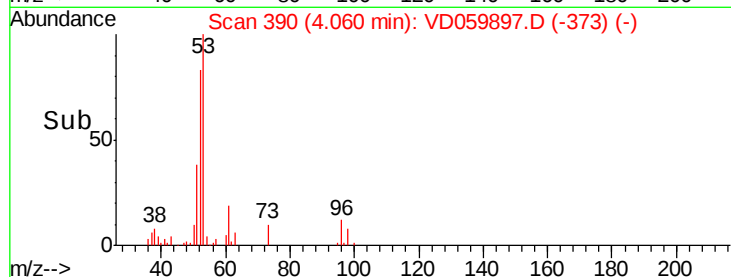
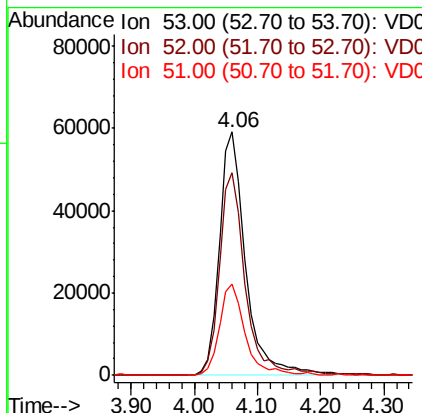
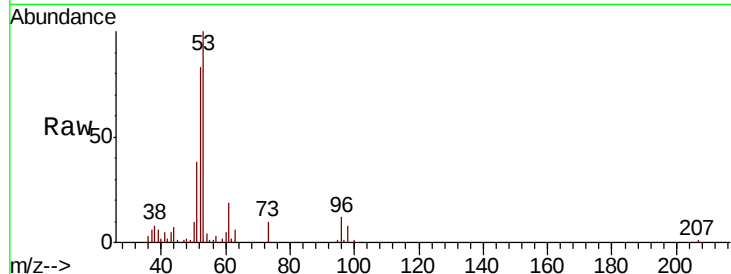
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	53	Resp:	171429
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	37.7	30.3	45.5

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#16

Acetone

Concen: 1566.93 ug/l

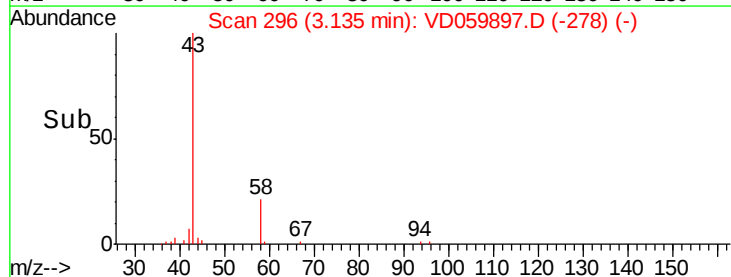
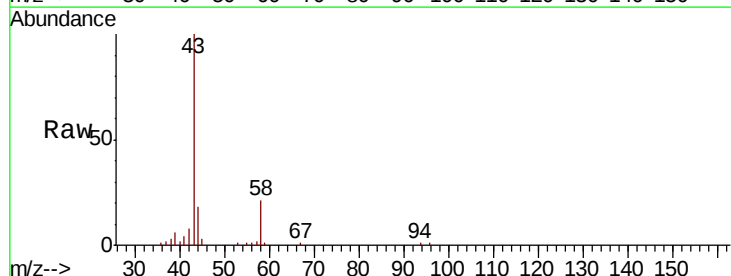
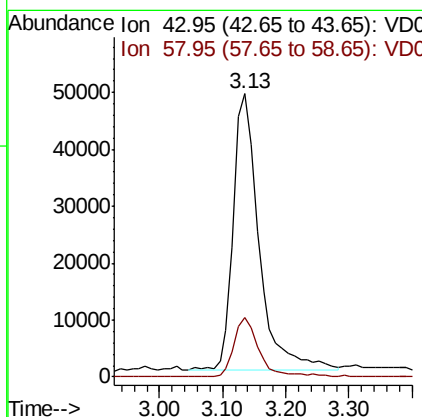
RT: 3.13 min Scan# 296

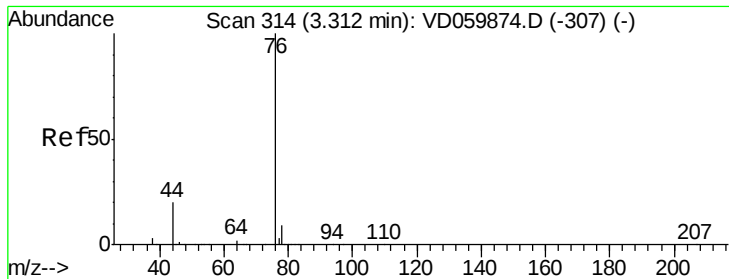
Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion:	43	Resp:	138295
Ion	Ratio	Lower	Upper
43	100		
58	20.8	17.6	26.4





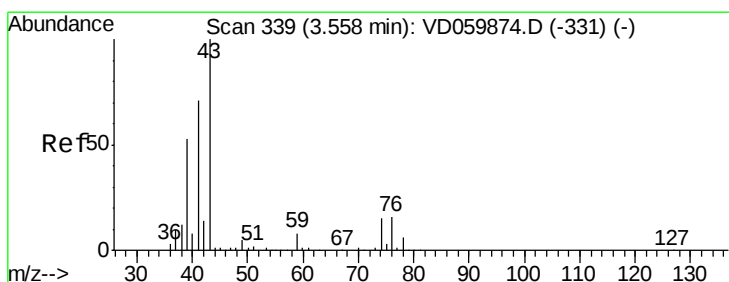
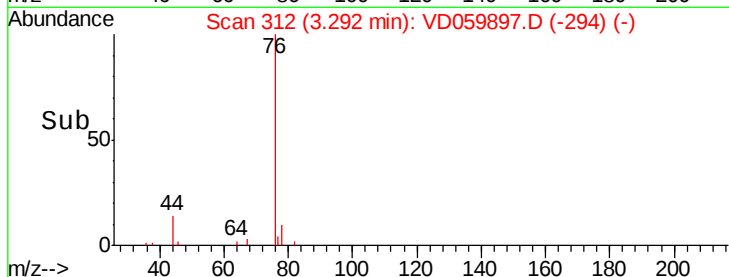
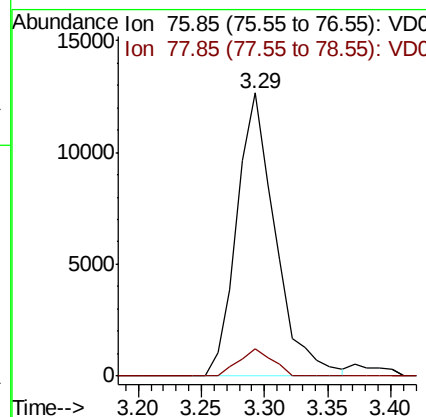
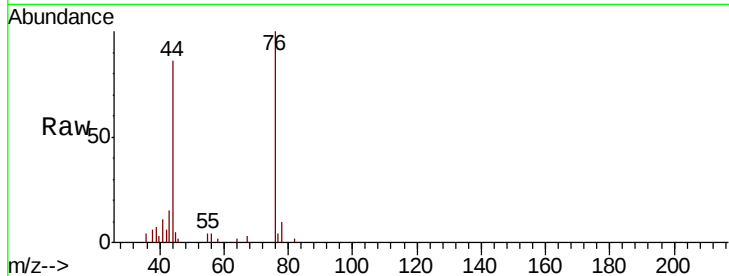
#17
Carbon Disulfide
Concen: 42.82 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.2

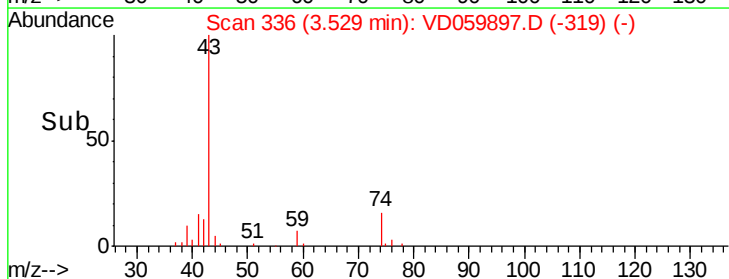
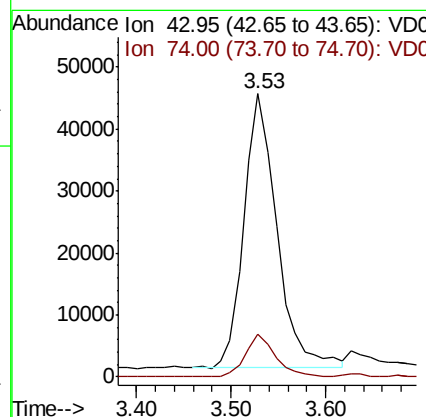
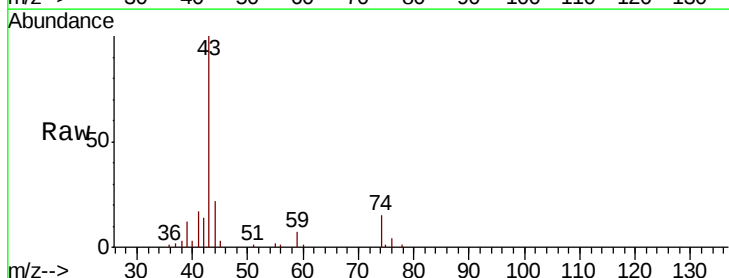
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#18
Methyl Acetate
Concen: 582.36 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	11.2	16.8





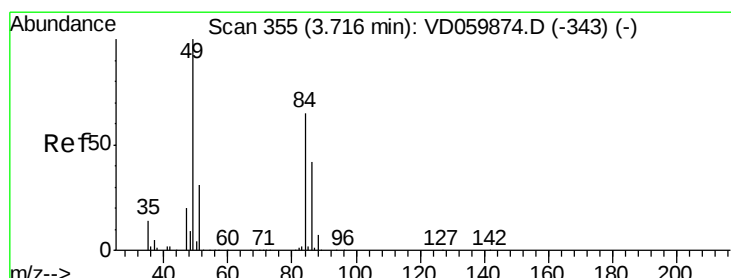
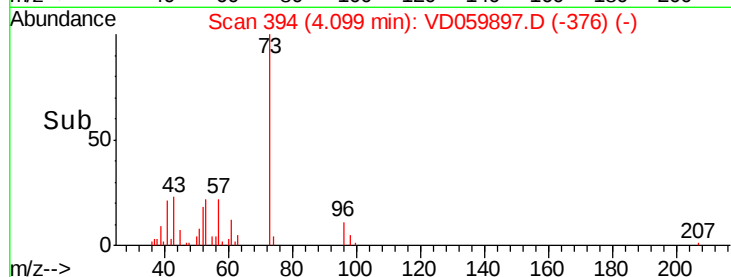
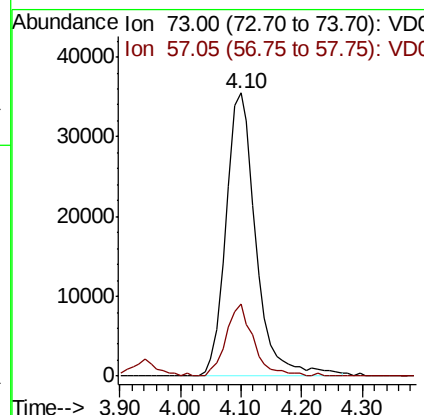
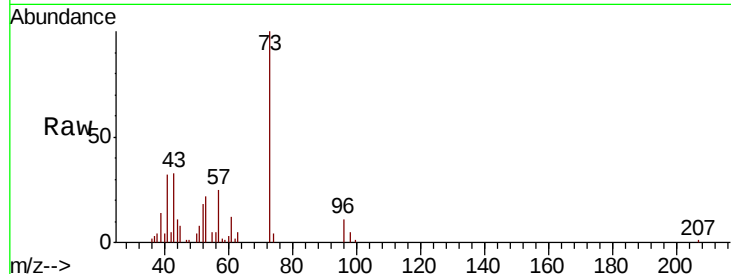
#19
Methyl tert-butyl Ether
Concen: 107.16 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 73 Resp: 122023
Ion Ratio Lower Upper
73 100
57 25.4 17.9 26.9

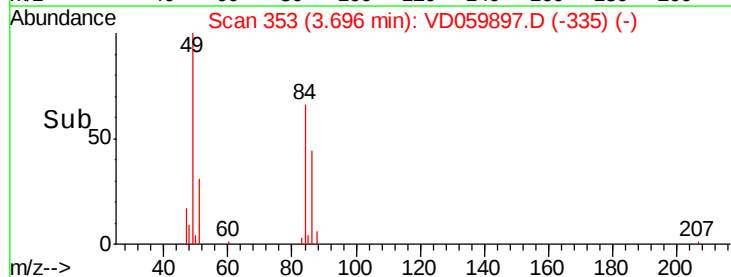
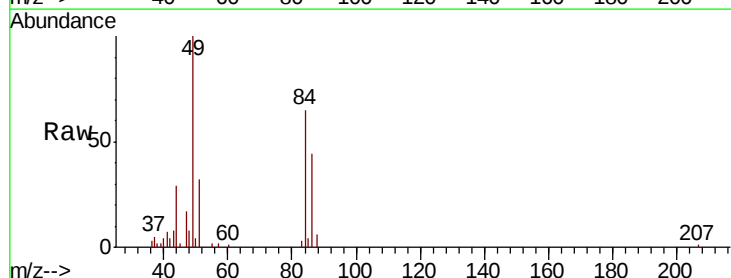
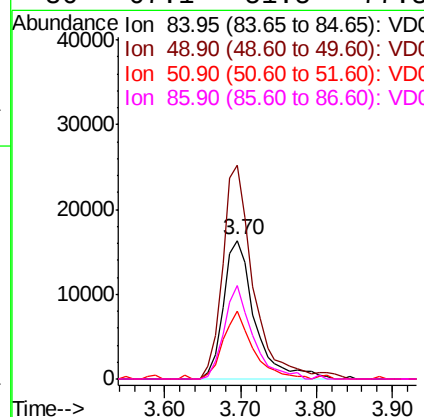
Manual Integrations
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#20
Methylene Chloride
Concen: 82.33 ug/l
RT: 3.70 min Scan# 353
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 84 Resp: 47079
Ion Ratio Lower Upper
84 100
49 154.0 122.6 183.8
51 49.4 38.4 57.6
86 67.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.88 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

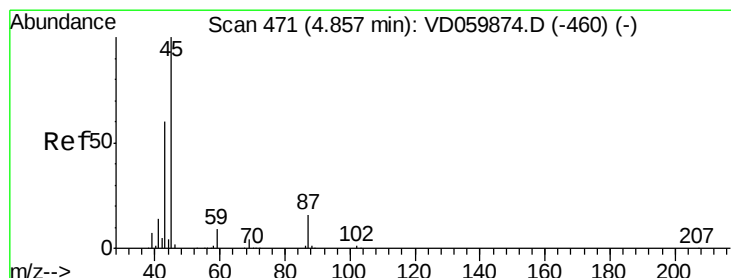
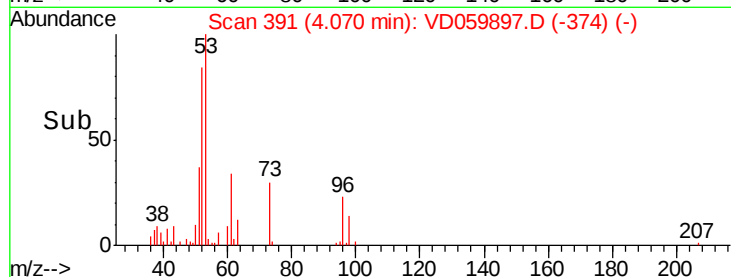
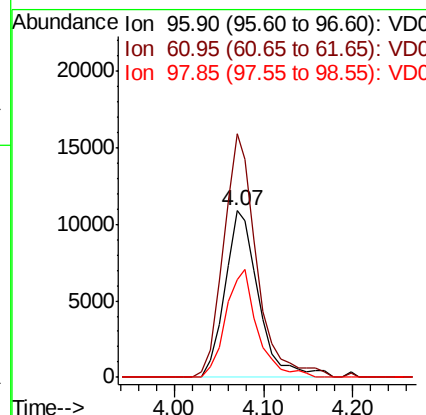
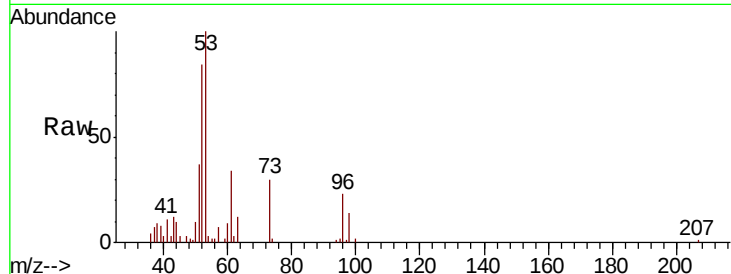
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	96	Resp:	28773
Ion	Ratio	Lower	Upper
96	100		
61	146.0	110.2	165.4
98	58.4	50.9	76.3

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#22

Diisopropyl ether

Concen: 79.71 ug/l

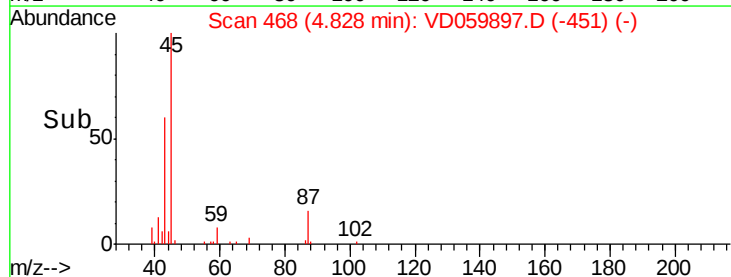
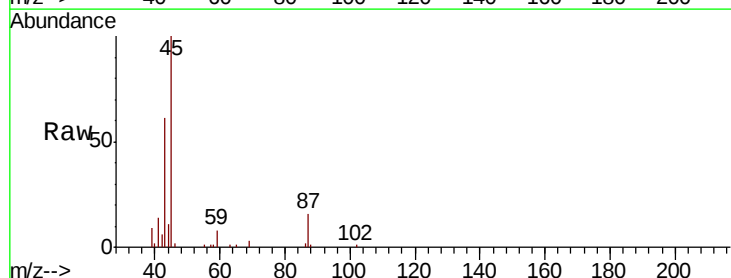
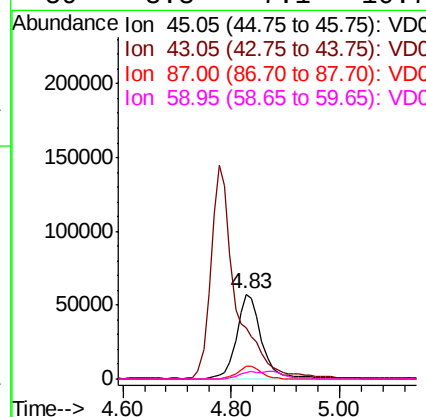
RT: 4.83 min Scan# 468

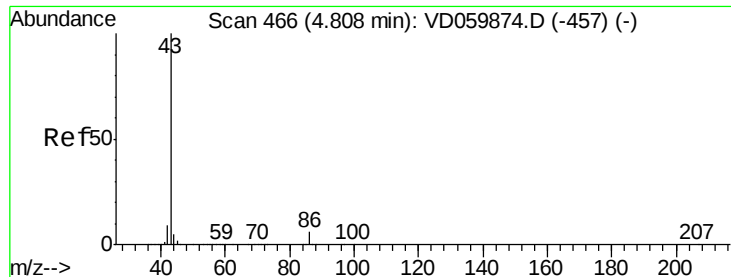
Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion:	45	Resp:	185108
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.6	72.8
87	15.6	13.3	19.9
59	8.3	7.1	10.7





#23

Vinyl Acetate

Concen: 361.73 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 43 Resp: 469619

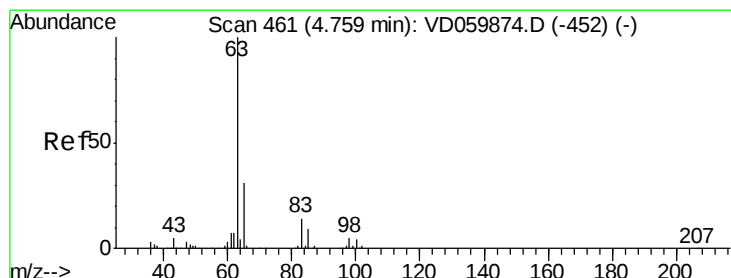
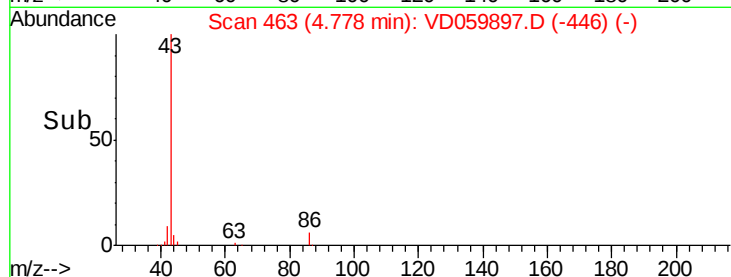
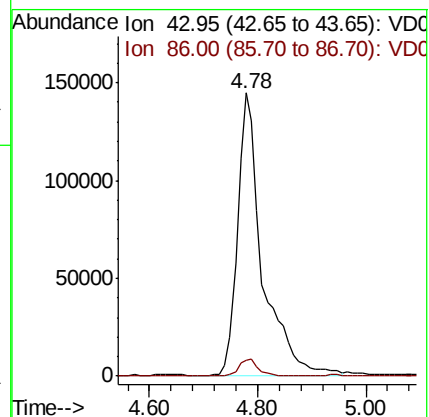
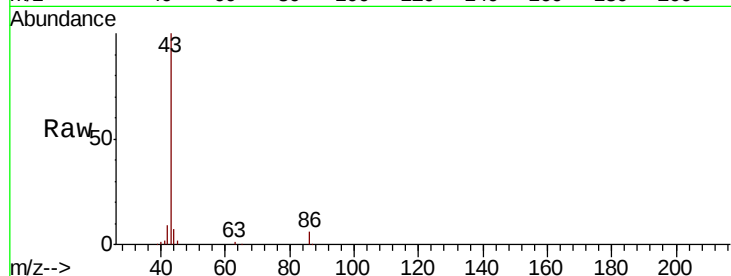
Ion Ratio Lower Upper

43 100

86 5.7 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 62.67 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

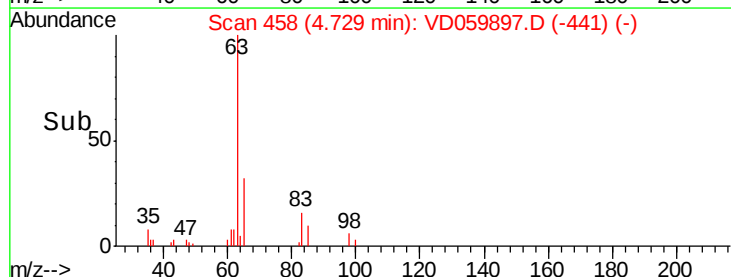
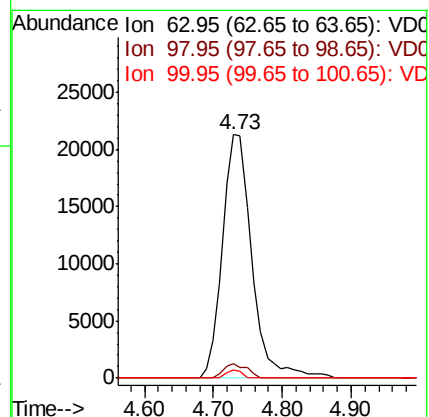
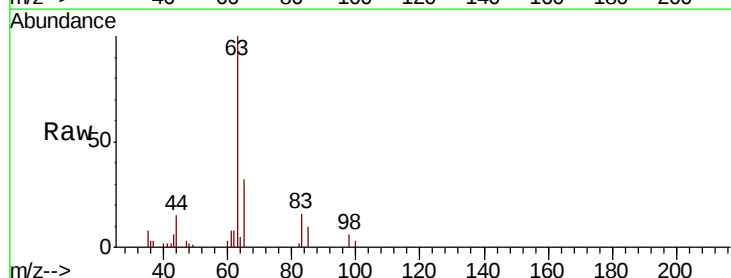
Tgt Ion: 63 Resp: 62876

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 1358.97 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

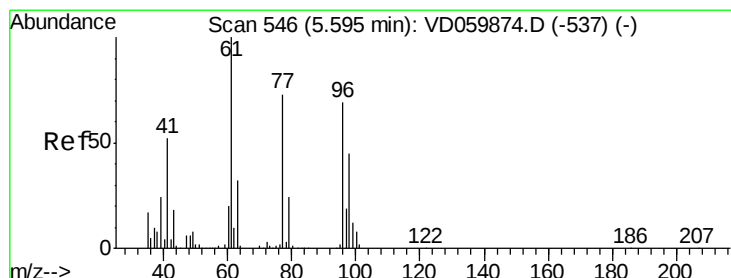
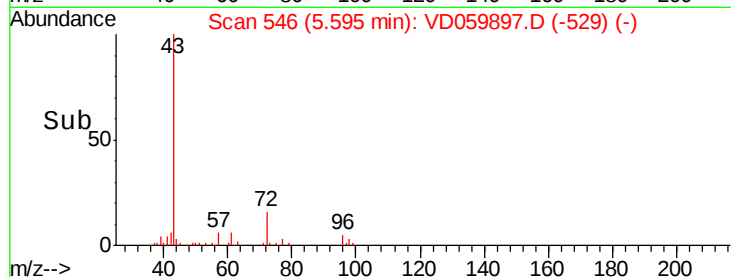
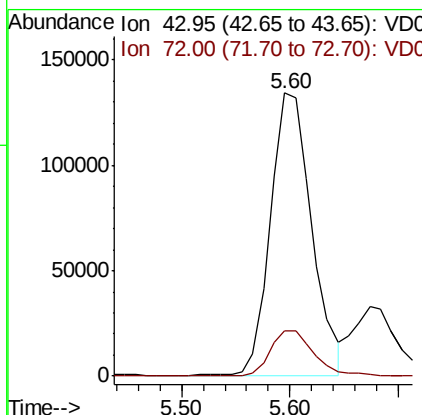
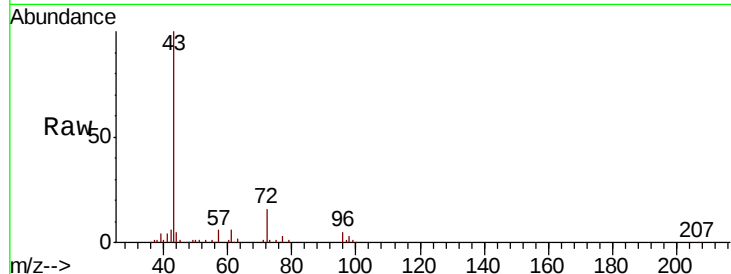
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
43	100		
72	16.2	12.3	18.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 53.43 ug/l

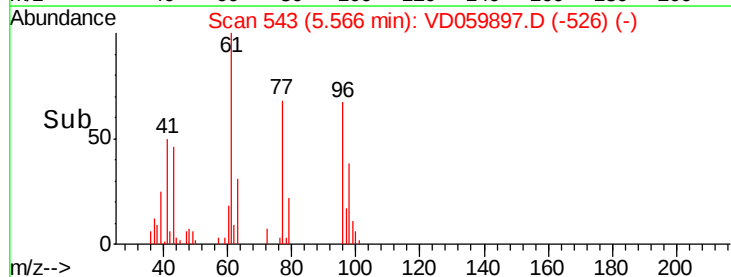
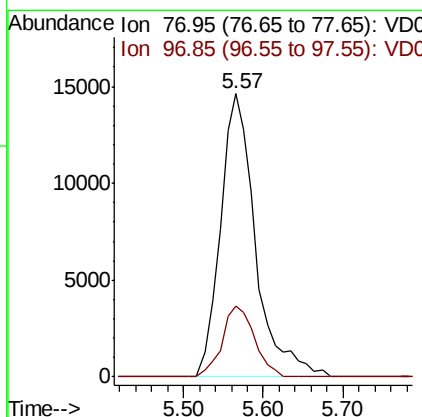
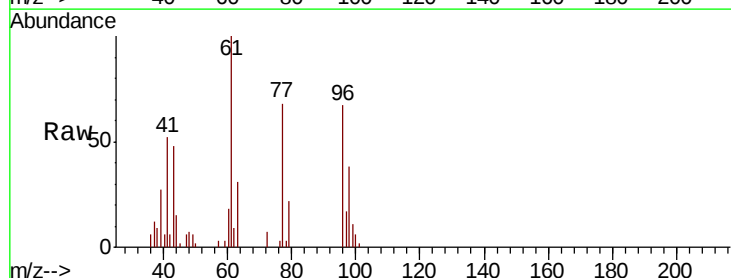
RT: 5.57 min Scan# 543

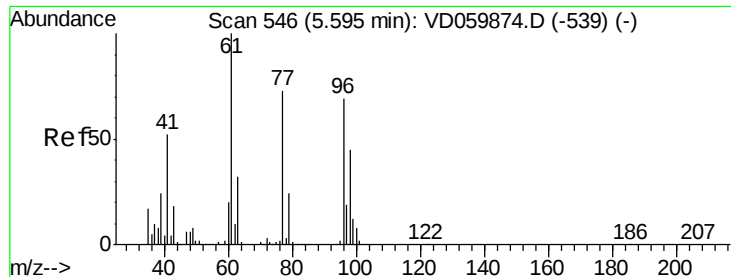
Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.9	13.0	38.9





#27

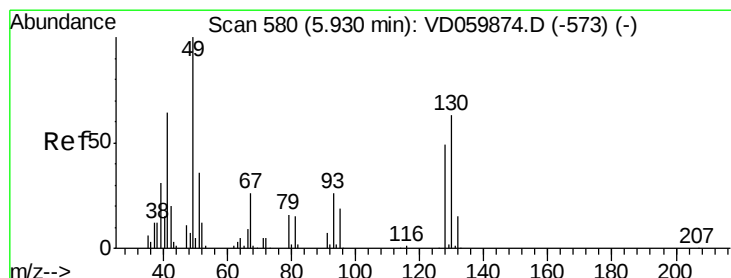
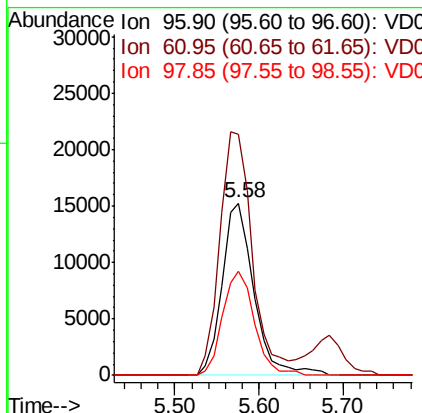
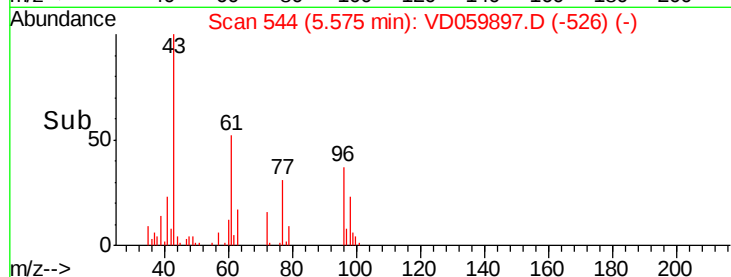
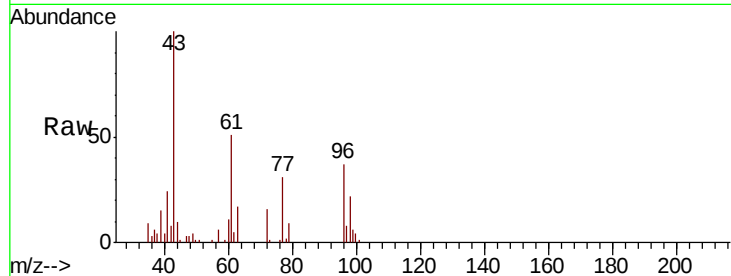
cis-1,2-Dichloroethene
 Concen: 65.98 ug/l
 RT: 5.58 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.9	0.0	290.2	
98	60.5	0.0	130.4	

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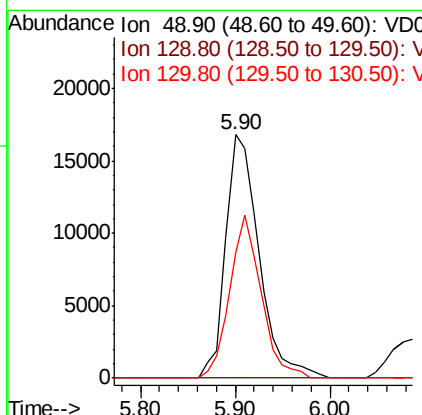
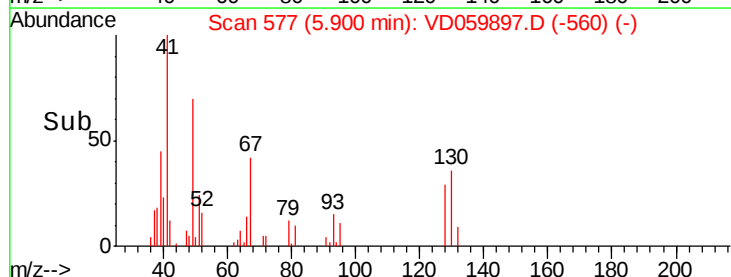
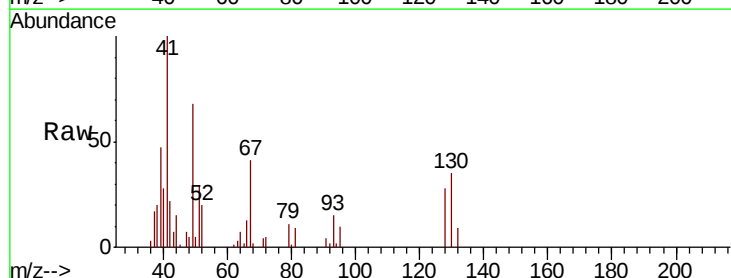
MMDadoda
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#28

Bromochloromethane
 Concen: 85.46 ug/l
 RT: 5.90 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.2	
130	51.7	50.6	75.8	





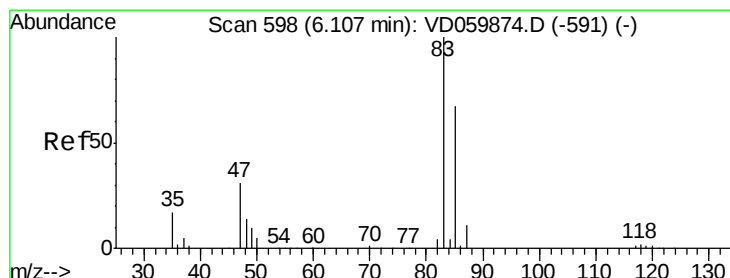
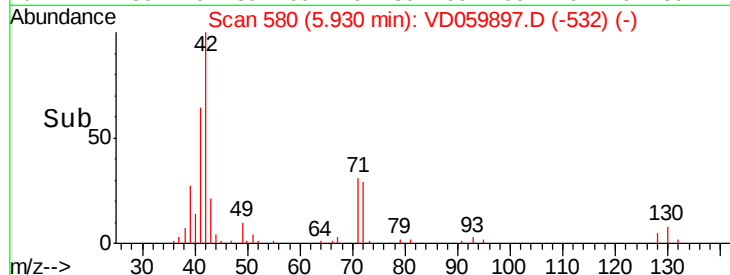
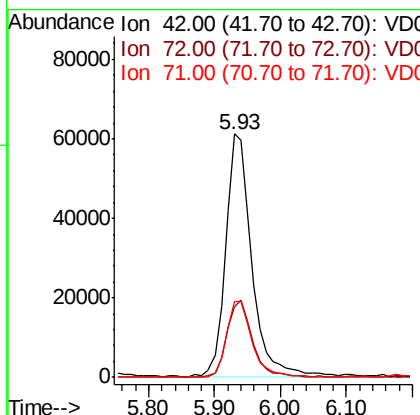
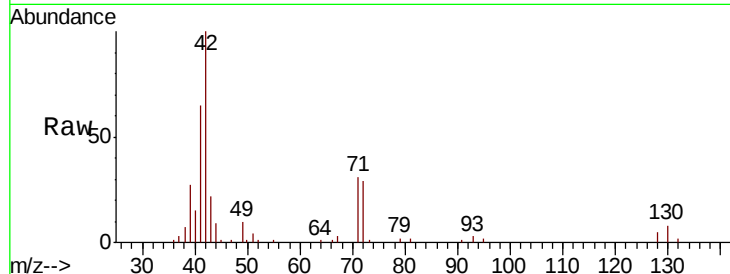
#29
Tetrahydrofuran
Concen: 1379.37 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.4	25.7	38.5
71	30.3	25.3	37.9

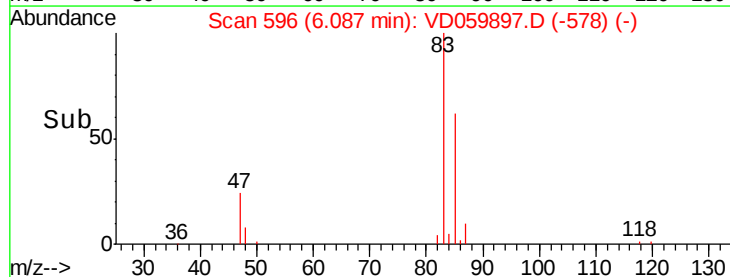
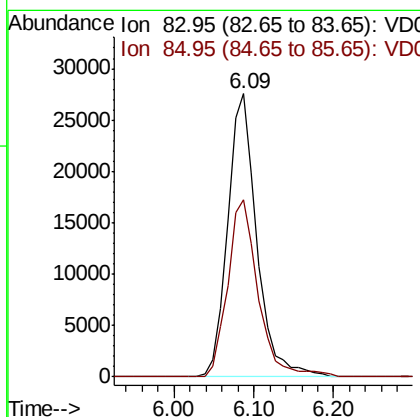
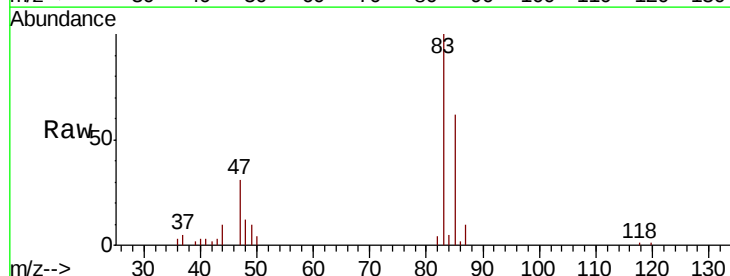
Manual Integrations
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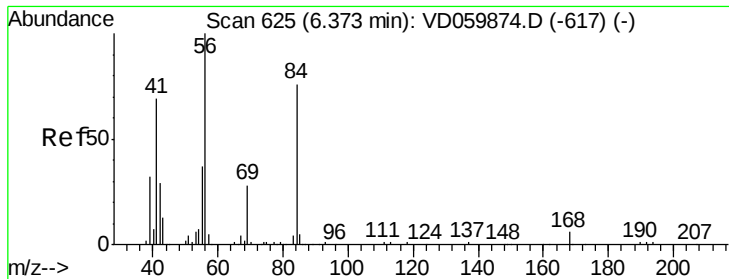
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#30
Chloroform
Concen: 69.05 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.5	80.3





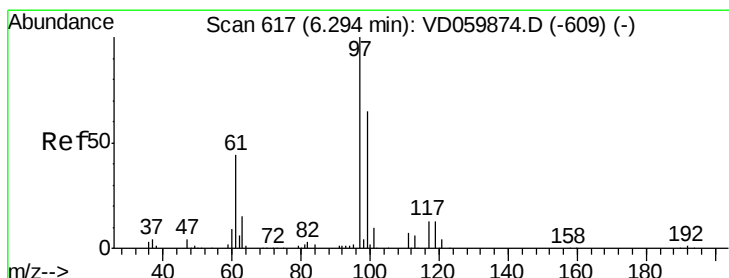
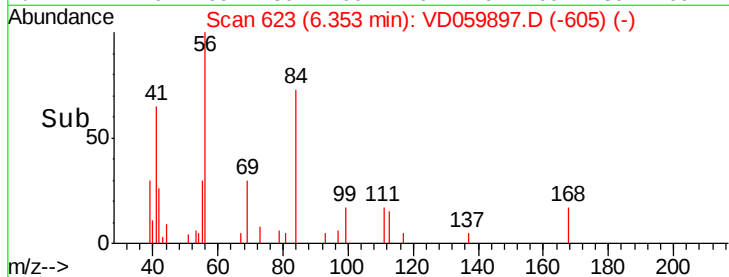
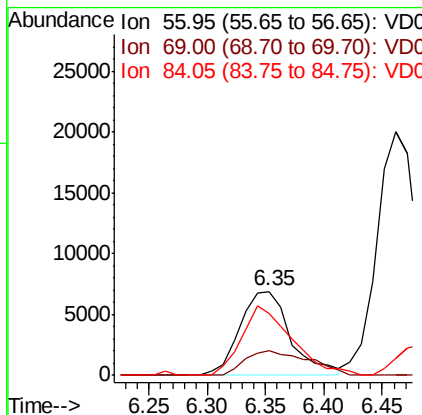
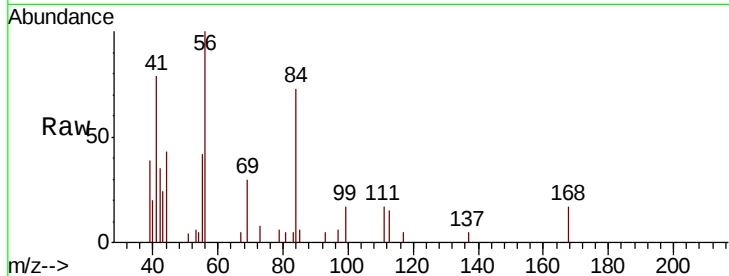
#31
Cyclohexane
Concen: 22.57 ug/l
RT: 6.35 min Scan# 623
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.4	33.6
84	73.4	62.1	93.1

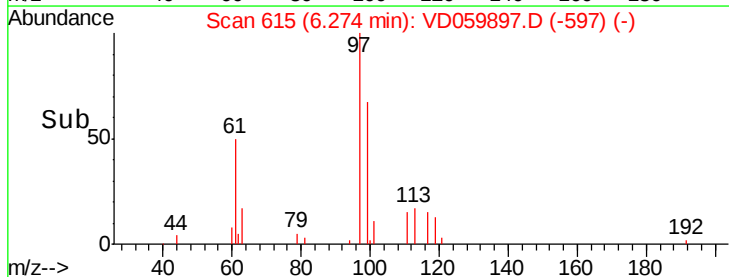
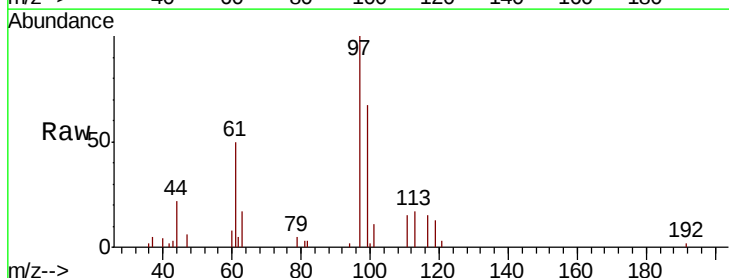
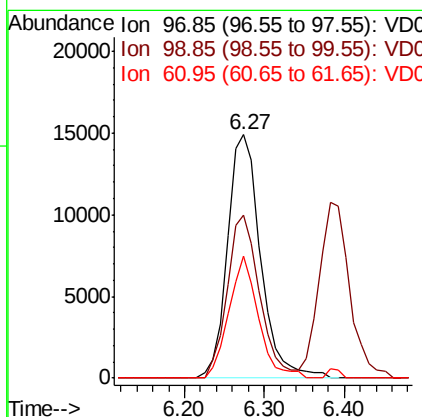
Manual Integrations
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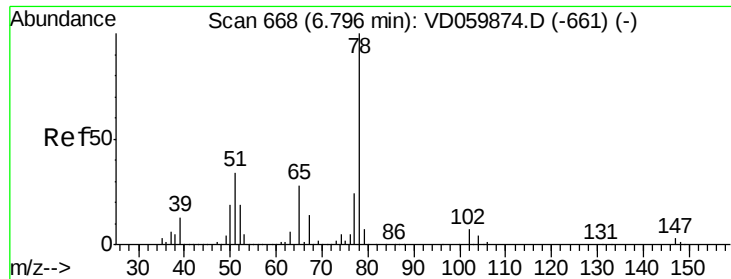
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#32
1,1,1-Trichloroethane
Concen: 49.96 ug/l
RT: 6.27 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.7	77.5
61	50.0	35.4	53.2





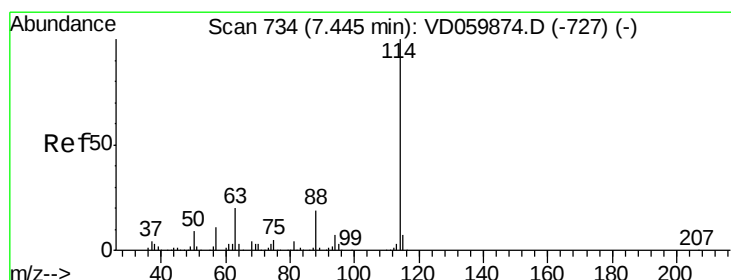
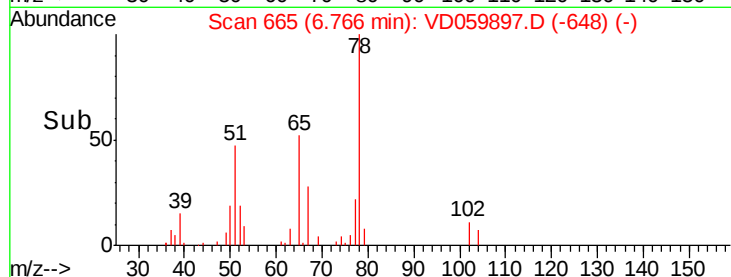
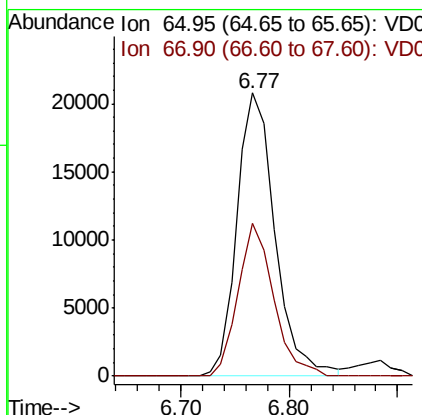
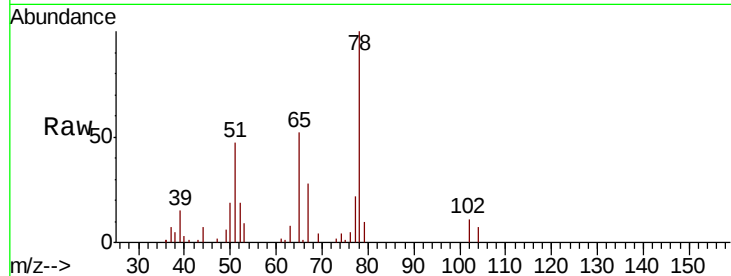
#33
 1,2-Dichloroethane-d4
 Concen: 49.96 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
65	100	50837		
67	53.8	0.0	103.8	

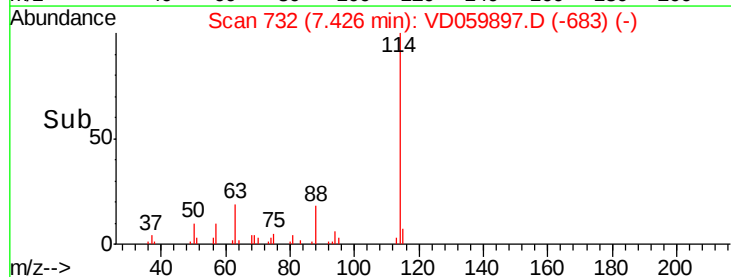
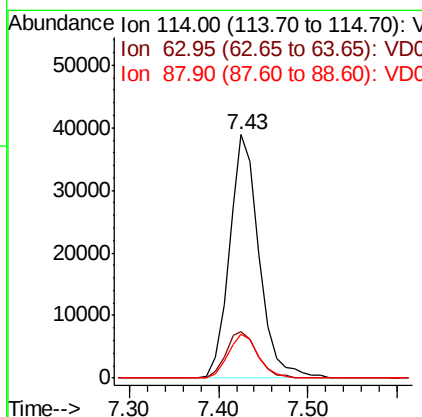
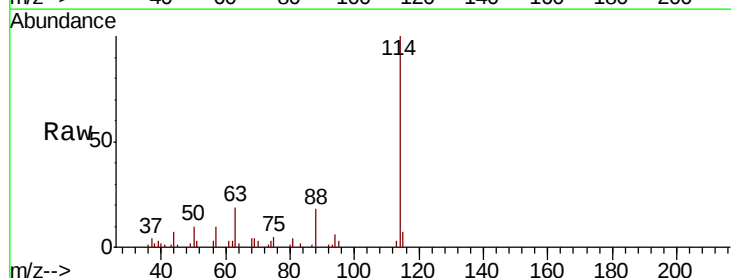
Manual Integrations
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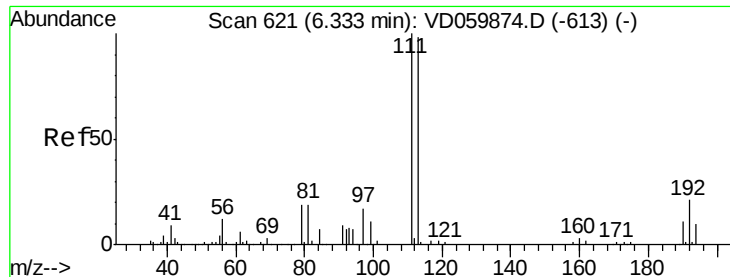
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	90119		
63	18.8	0.0	39.4	
88	18.0	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: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

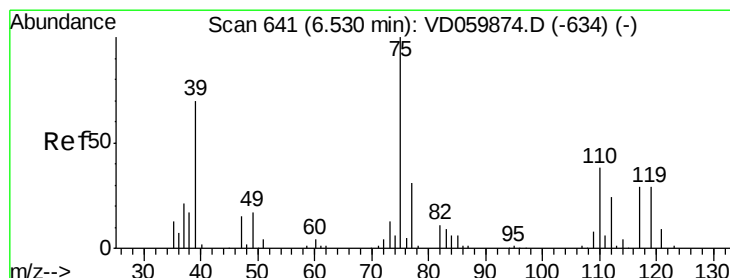
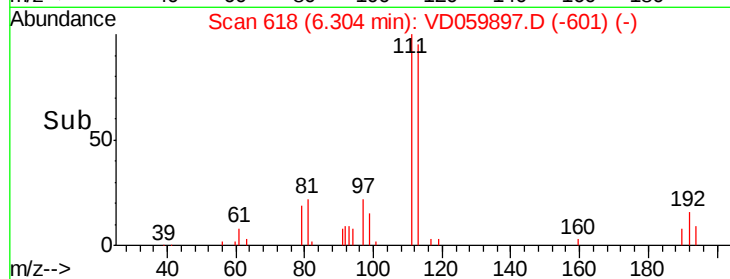
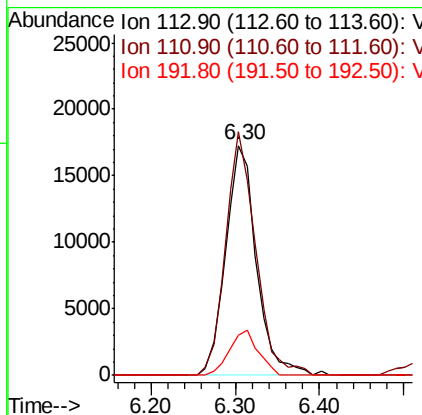
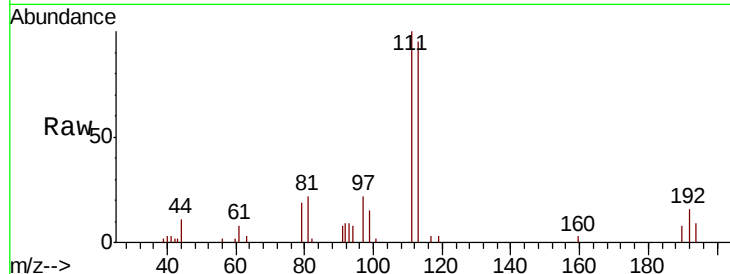
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	113	Resp:	43751
Ion	Ratio	Lower	Upper
113	100		
111	105.8	81.4	122.2
192	17.2	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 39.55 ug/l

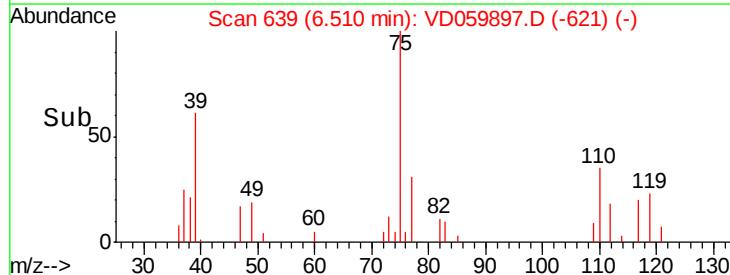
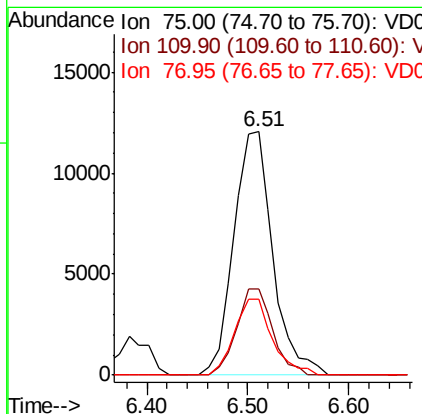
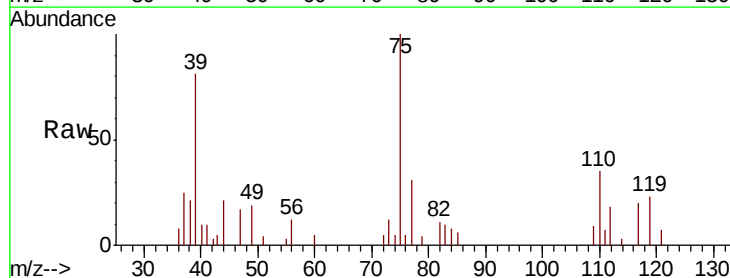
RT: 6.51 min Scan# 639

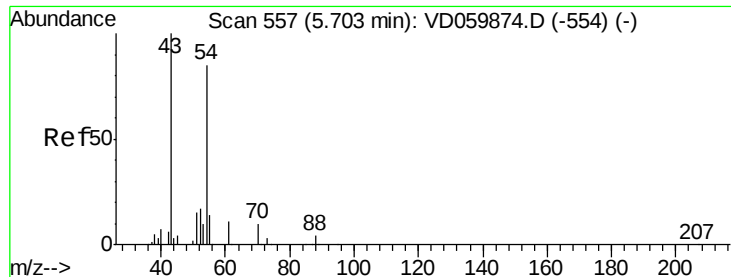
Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion:	75	Resp:	32311
Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.6	56.0
77	30.9	25.1	37.7





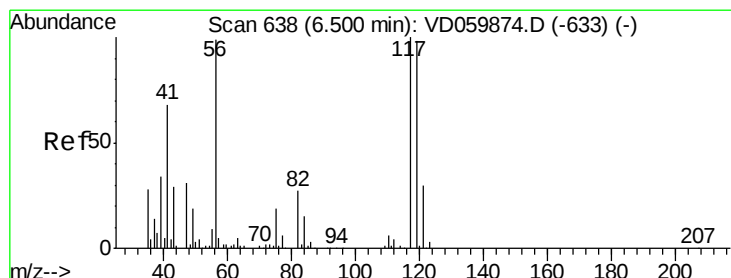
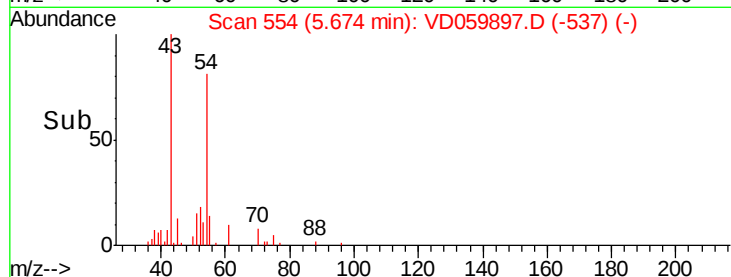
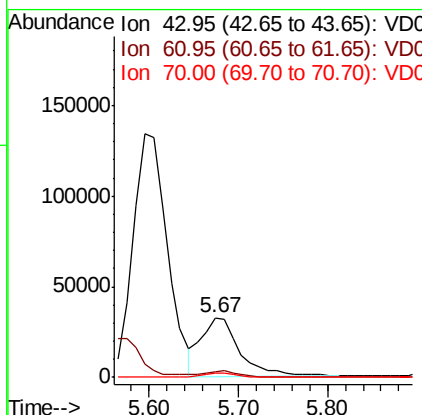
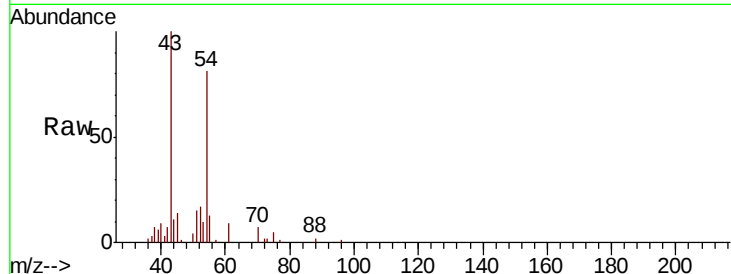
#37
Ethyl Acetate
Concen: 150.25 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.5	11.0	16.6#
70	7.4	5.7	8.5

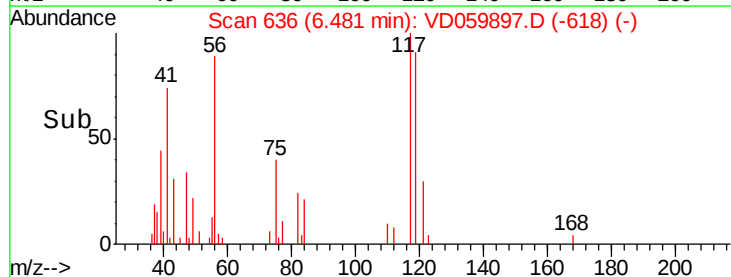
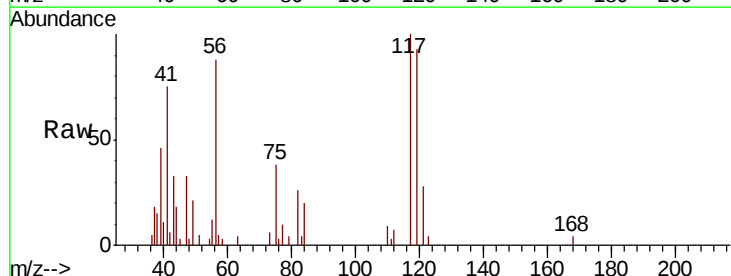
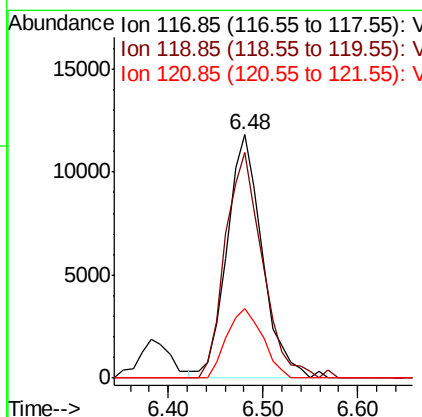
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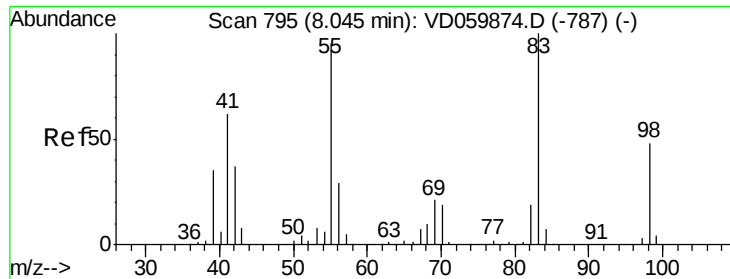
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#38
Carbon Tetrachloride
Concen: 37.19 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.2	115.8
121	28.5	24.0	36.0





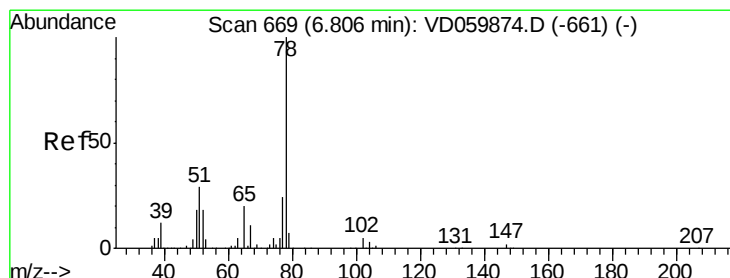
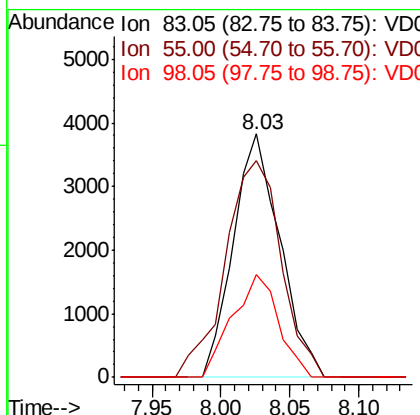
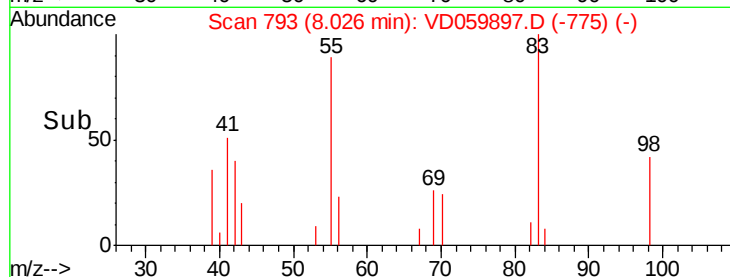
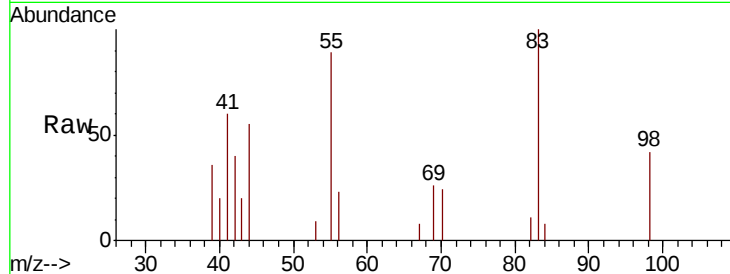
#39
Methvlcvclohexane
Concen: 10.23 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	75.8	113.6
98	42.1	38.3	57.5

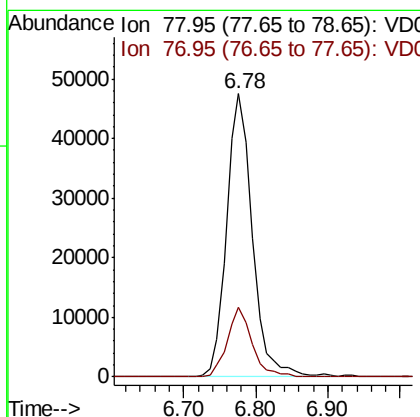
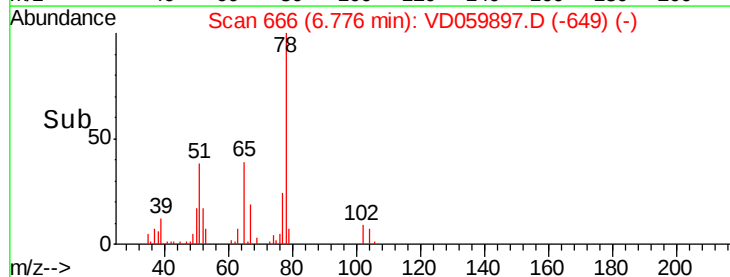
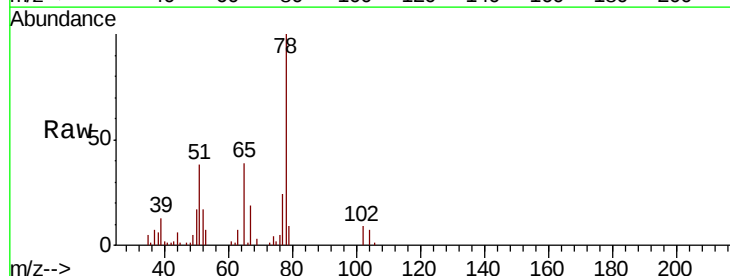
Manual Integrations
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#40
Benzene
Concen: 55.46 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4





#41

Methacrylonitrile

Concen: 162.74 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

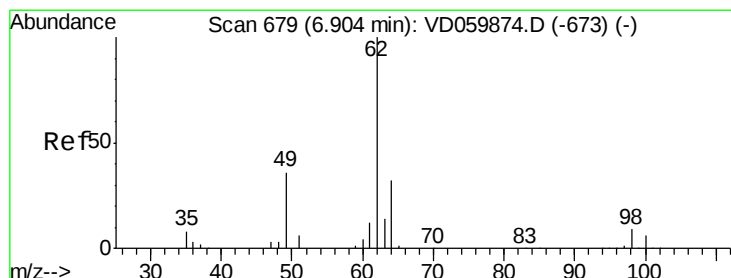
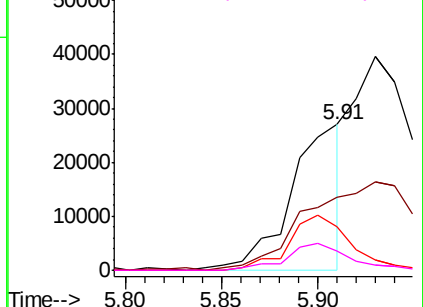
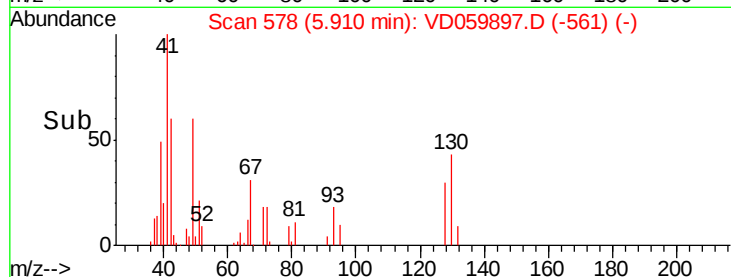
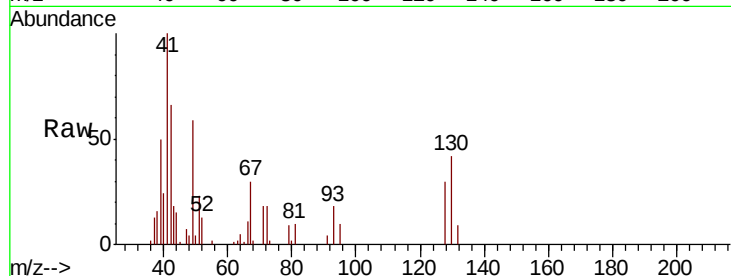
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	41	Resp:	52113
Ion	Ratio	Lower	Upper
41	100		
39	50.2	39.4	59.2
67	29.9	22.2	33.2
52	12.8	10.1	15.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 84.03 ug/l

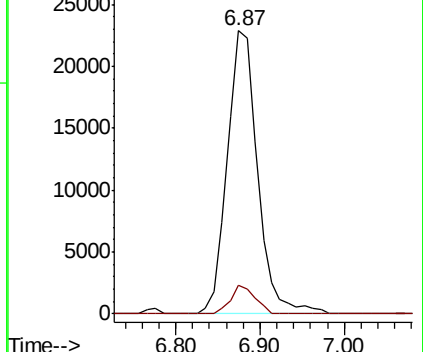
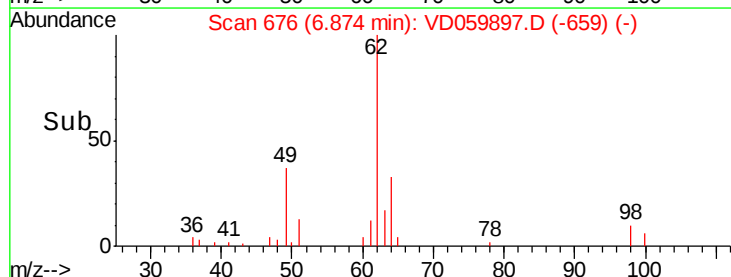
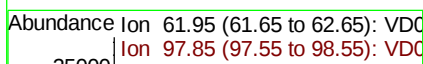
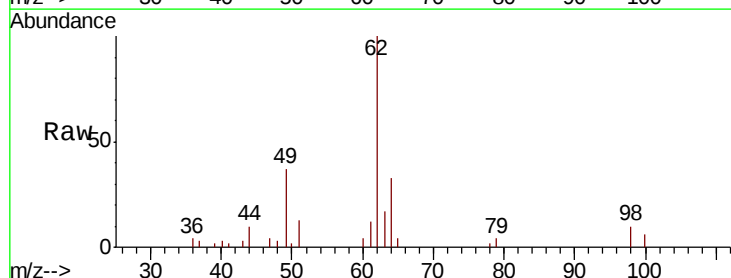
RT: 6.87 min Scan# 676

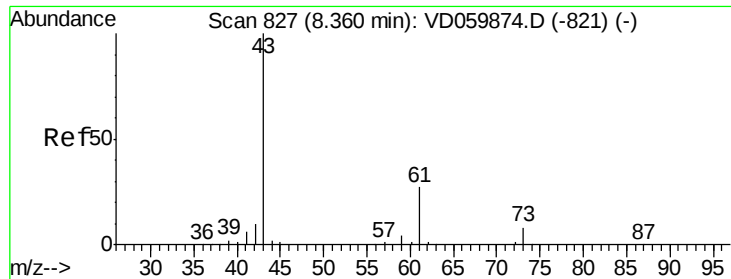
Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion:	62	Resp:	57304
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.4





#43

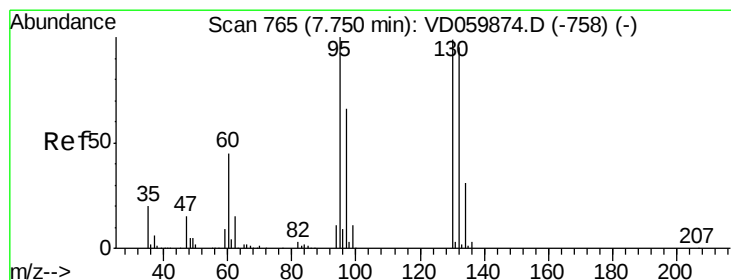
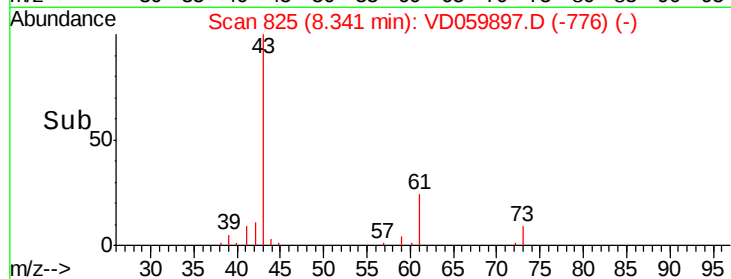
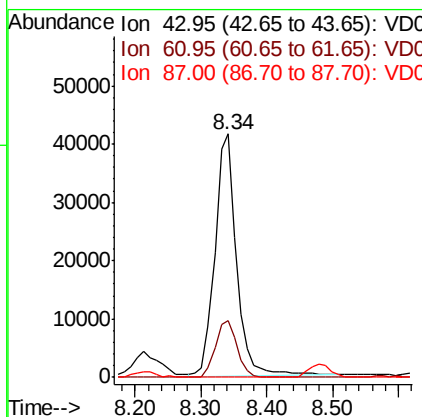
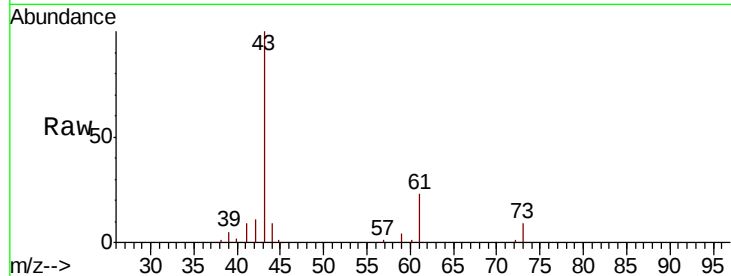
Isopropyl Acetate
 Concen: 113.71 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.4	21.4	32.2
87	0.0	0.2	0.4

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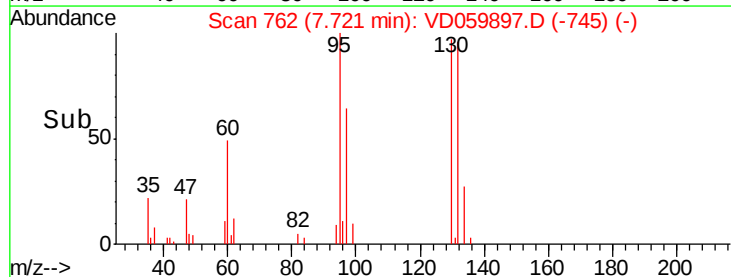
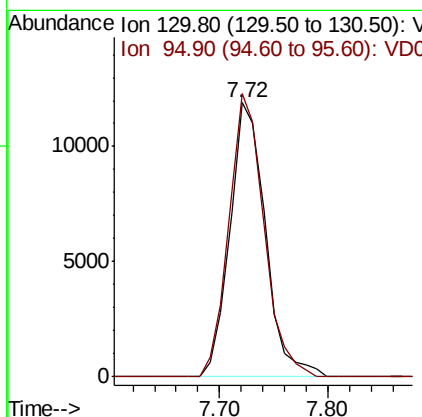
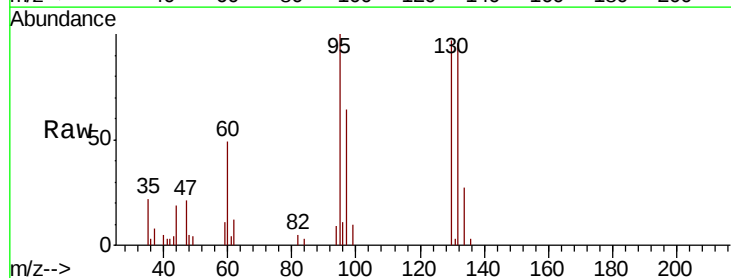
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#44

Trichloroethene
 Concen: 43.41 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	202.0





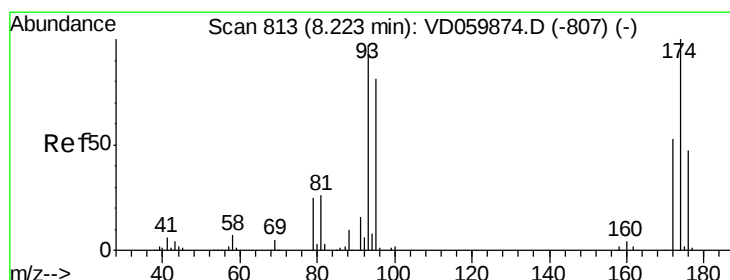
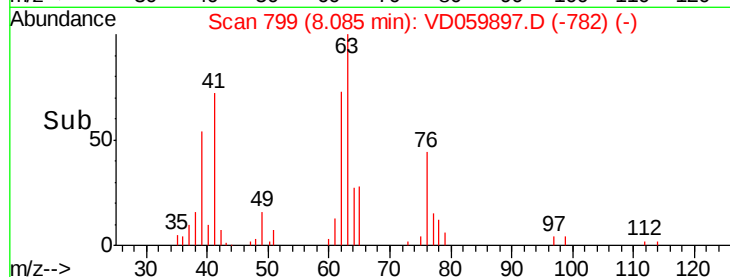
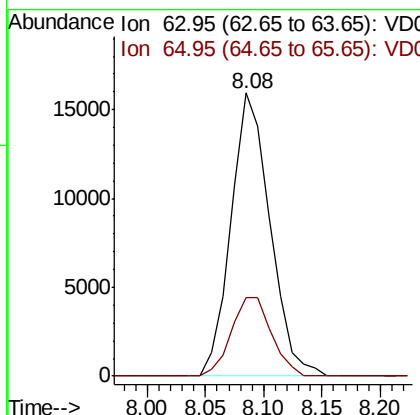
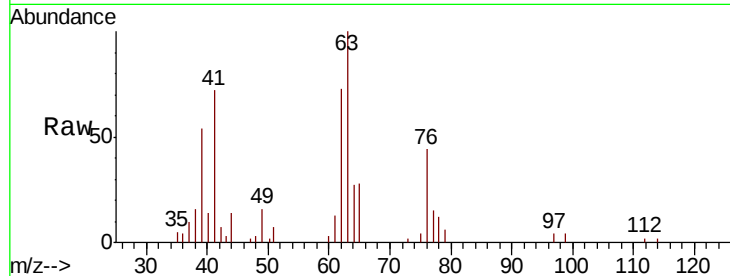
#45
 1,2-Dichloropropane
 Concen: 62.18 ug/l
 RT: 8.08 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion: 63 Resp: 36920
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.5 35.3

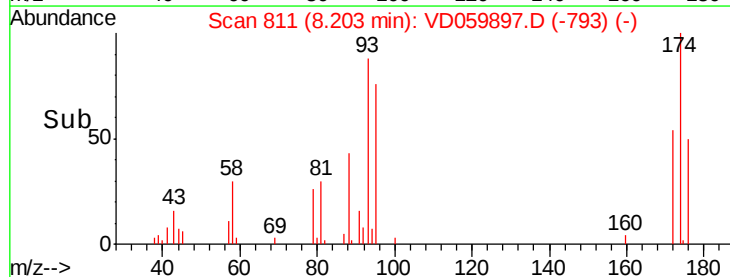
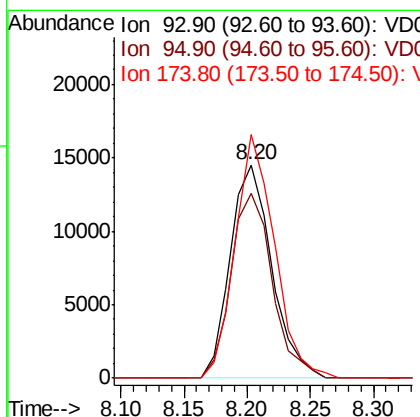
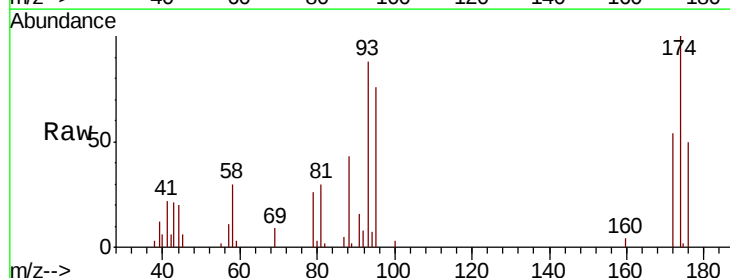
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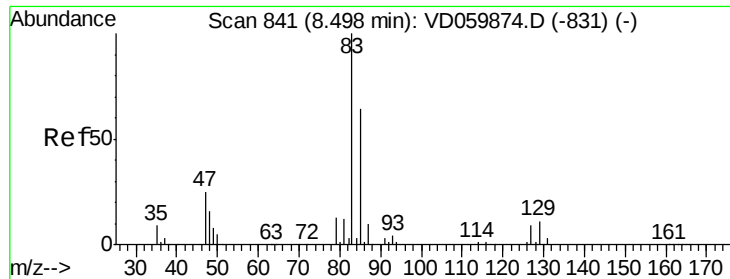
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#46
 Dibromomethane
 Concen: 86.49 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 93 Resp: 33018
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.6 100.0
 174 114.3 82.4 123.6





#47

Bromodichloromethane

Concen: 65.24 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

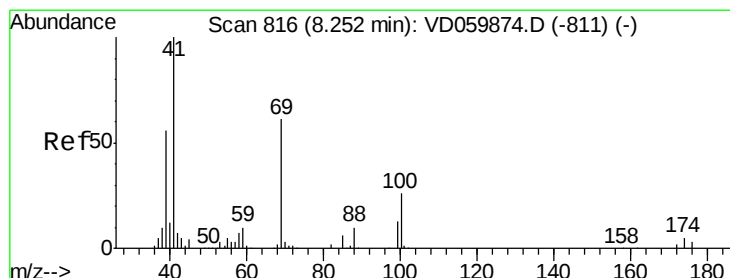
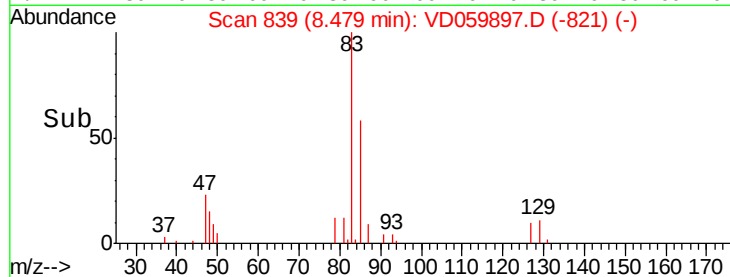
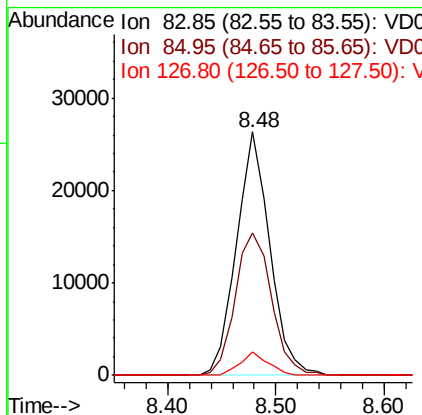
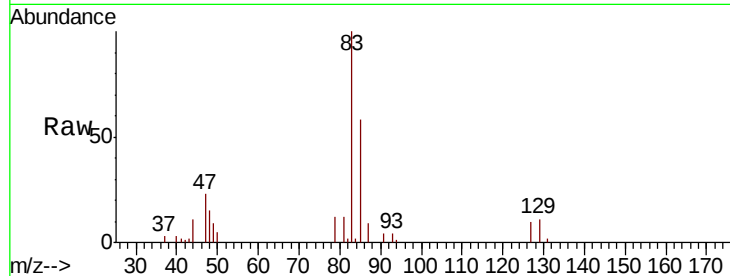
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	83	Resp:	56387
Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.3	76.9
127	9.6	7.0	10.4

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#48

Methyl methacrylate

Concen: 157.87 ug/l

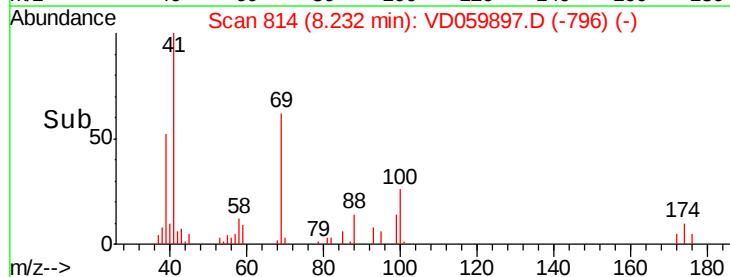
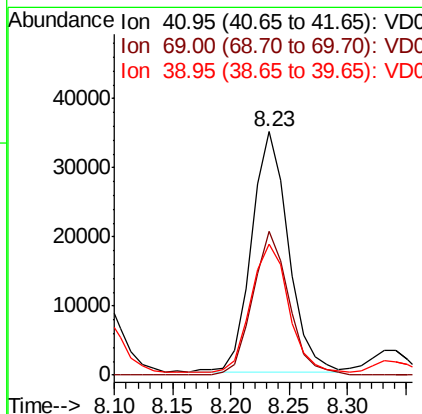
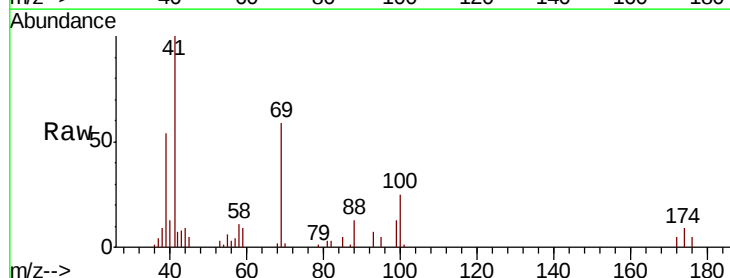
RT: 8.23 min Scan# 814

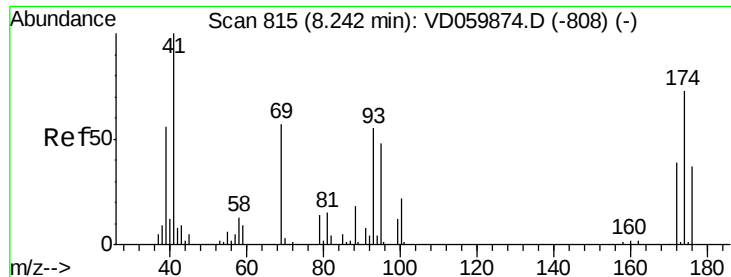
Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion:	41	Resp:	76110
Ion	Ratio	Lower	Upper
41	100		
69	59.3	48.0	72.0
39	53.8	45.4	68.0





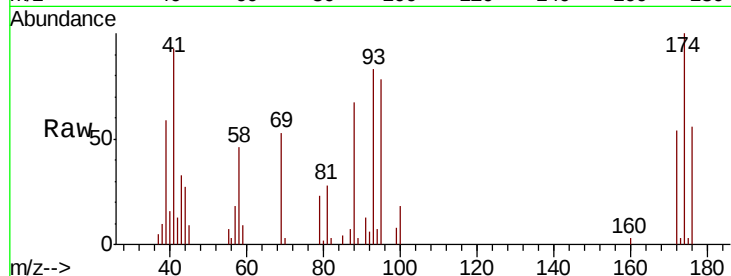
#49
1,4-Dioxane
Concen: 5377.84 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

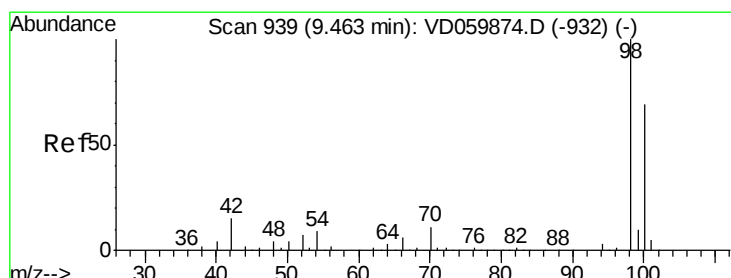
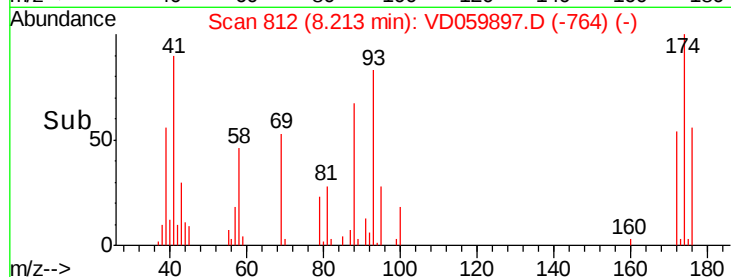
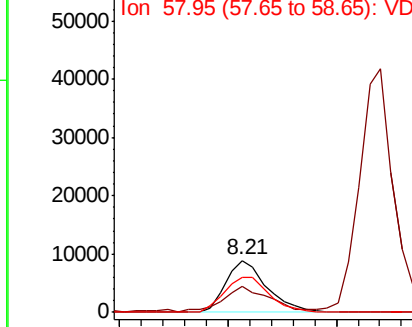
Tot Ion	88	Resp	23147
Ion	Ratio	Lower	Upper
88	100		
43	50.1	45.0	67.6
58	68.2	55.8	83.8

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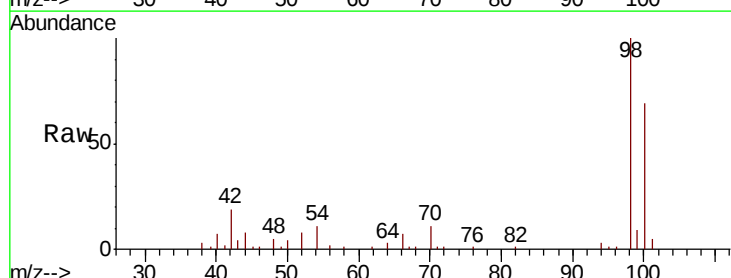


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

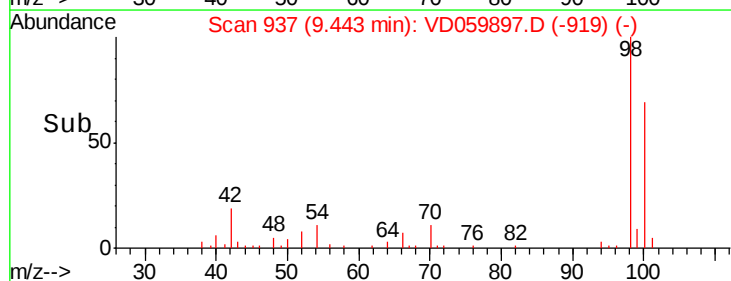
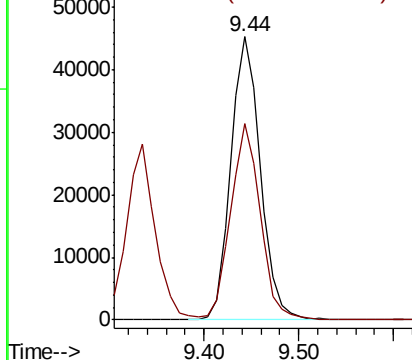


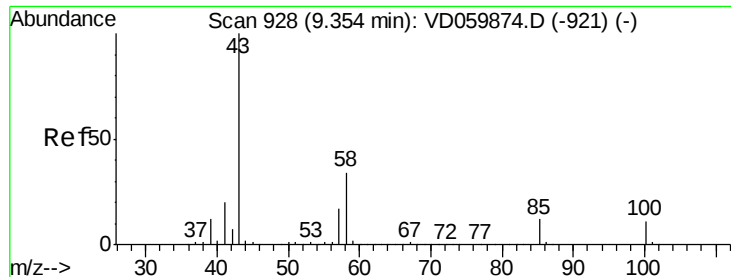
#50
Toluene-d8
Concen: 5377.84 ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	98	Resp	97323
Ion	Ratio	Lower	Upper
98	100		
100	69.3	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1039.18 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 43 Resp: 640726

Ion Ratio Lower Upper

43 100

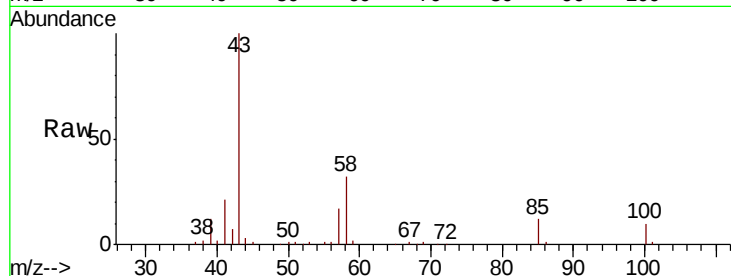
58 32.2 27.0 40.4

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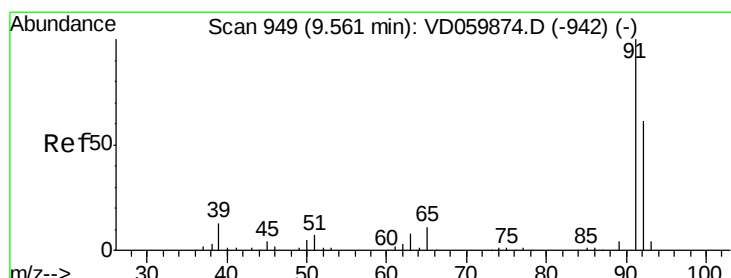
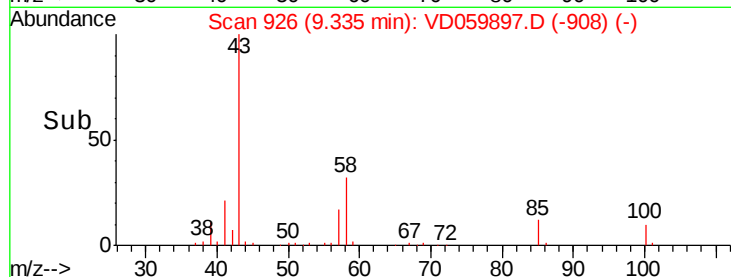
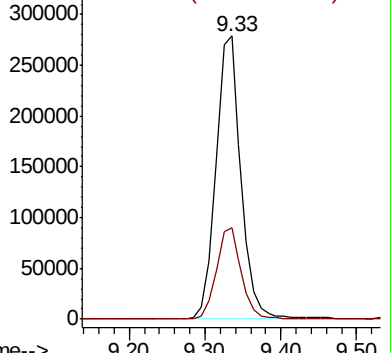
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.71 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059897.D

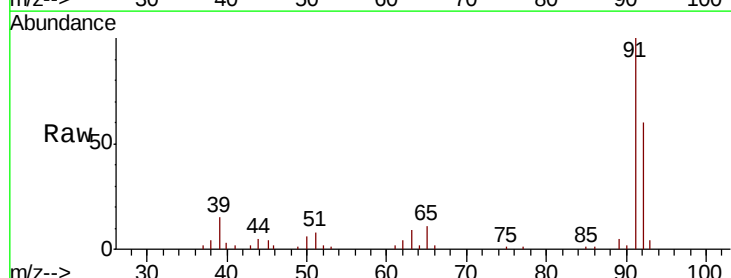
Acq: 23 Aug 2018 19:26

Tgt Ion: 92 Resp: 62260

Ion Ratio Lower Upper

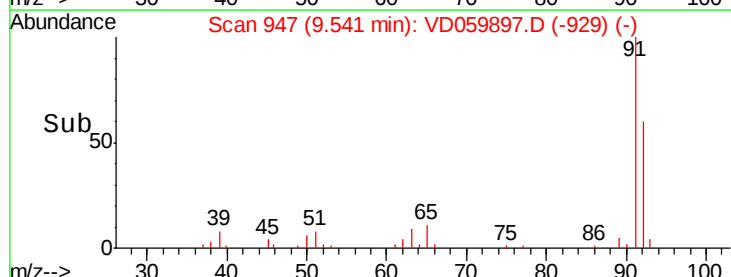
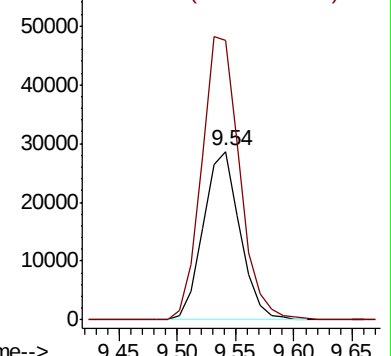
92 100

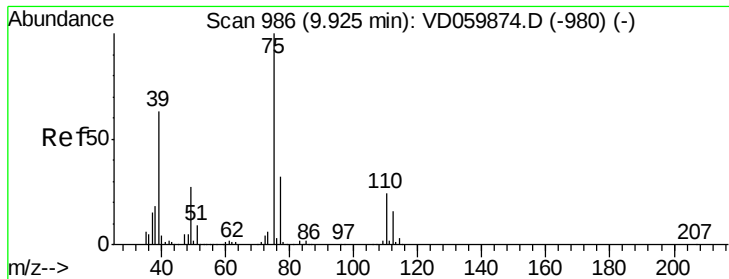
91 165.8 131.4 197.2



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: 72.90 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 75 Resp: 58276

Ion Ratio Lower Upper

75 100

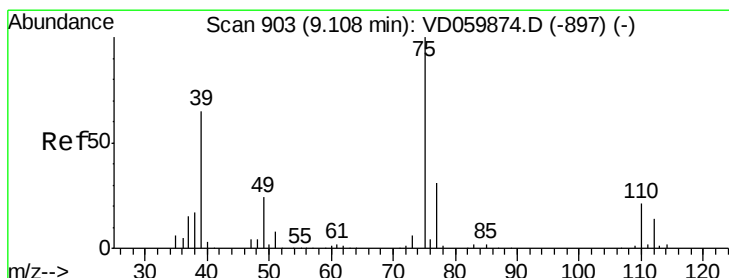
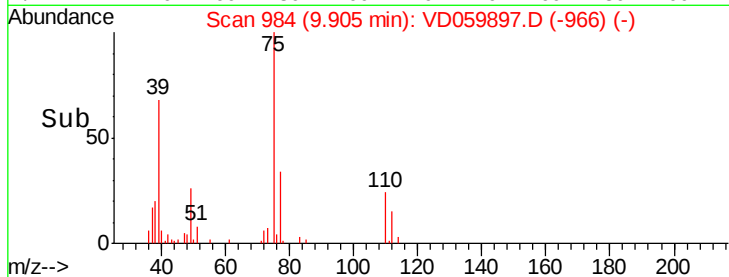
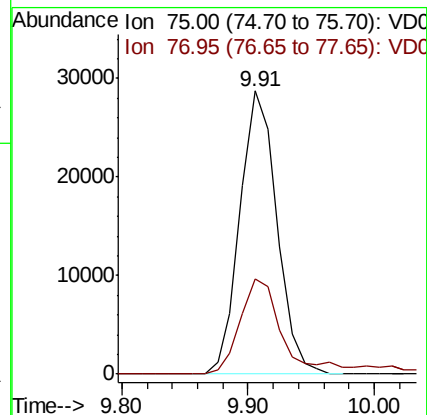
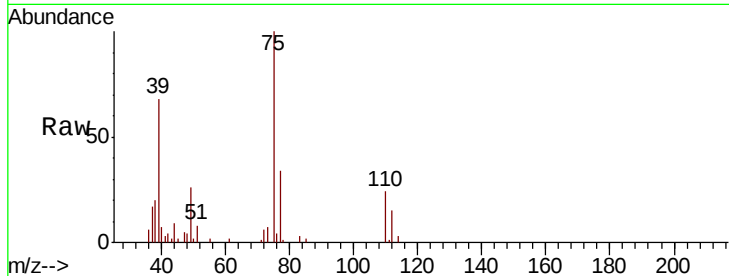
77 33.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 65.96 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

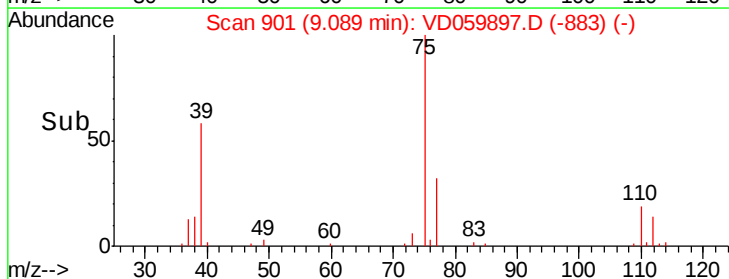
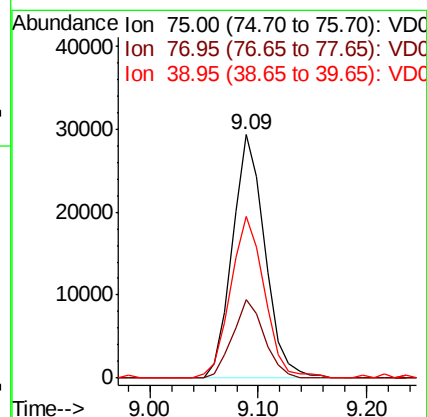
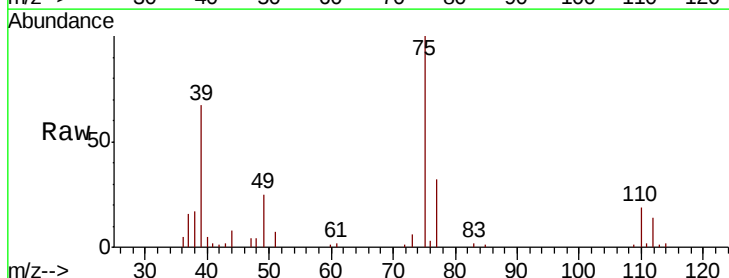
Tgt Ion: 75 Resp: 61134

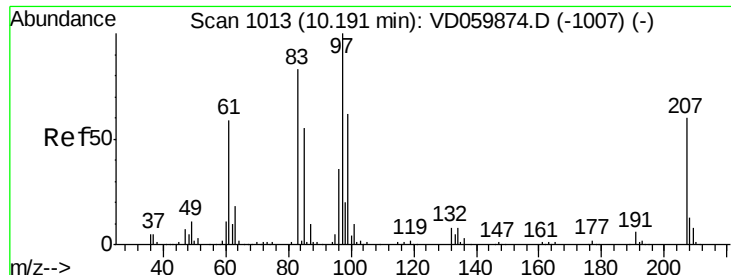
Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 66.5 52.1 78.1





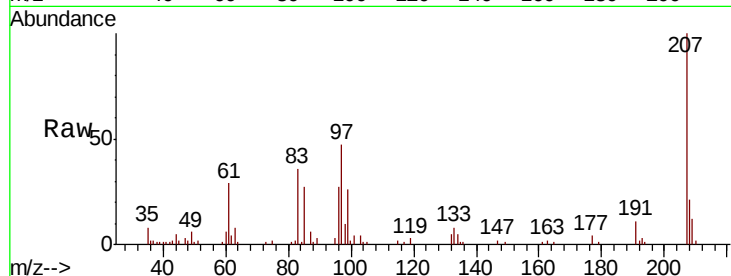
#55
 1,1,2-Trichloroethane
 Concen: 89.07 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

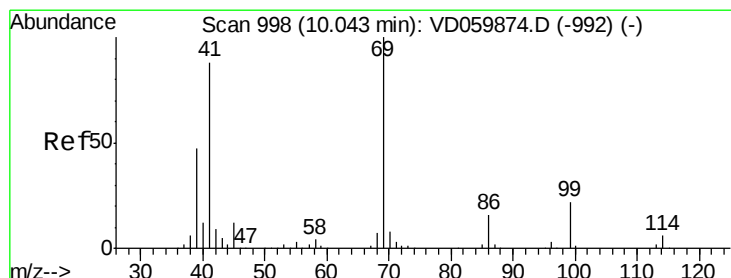
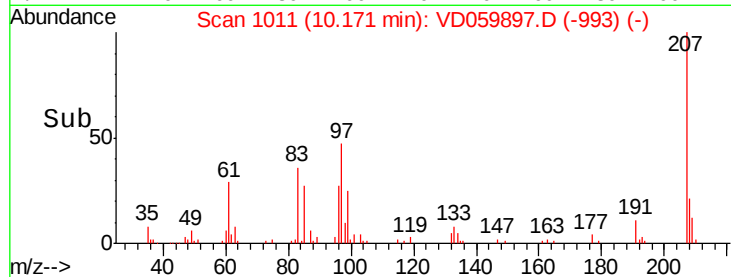
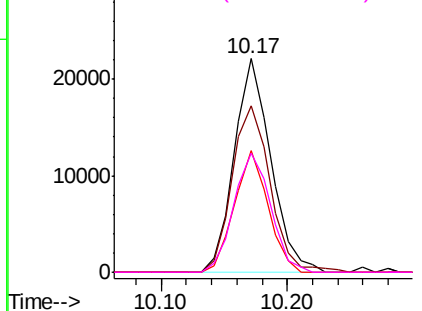
Tot Ion:	97	Resp:	44349
Ion	Ratio	Lower	Upper
97	100		
83	77.7	66.7	100.1
85	57.1	43.8	65.6
99	55.8	49.8	74.6

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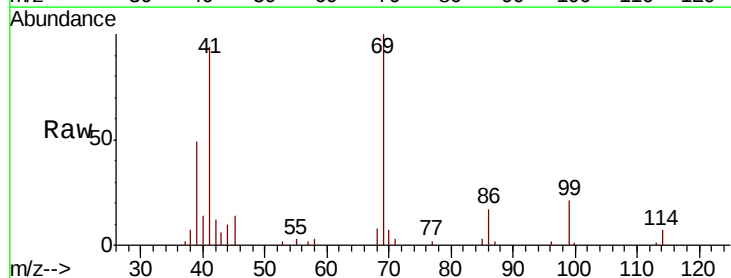


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

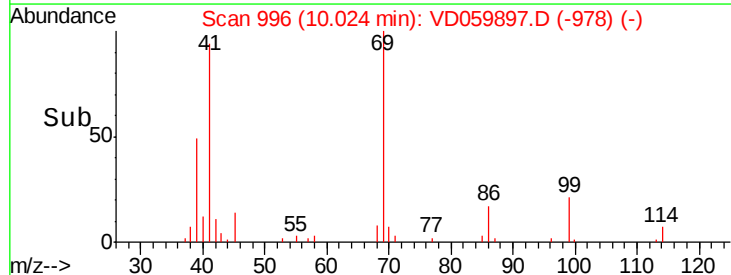
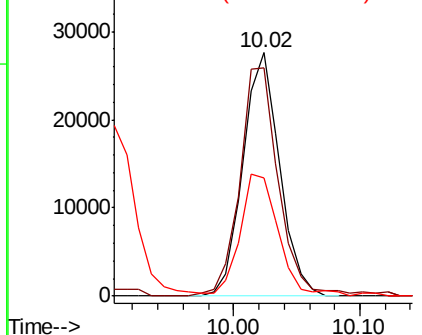


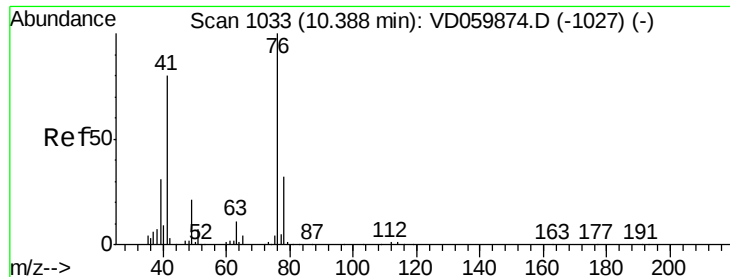
#56
 Ethyl methacrylate
 Concen: 96.47 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion:	69	Resp:	55431
Ion	Ratio	Lower	Upper
69	100		
41	94.0	71.0	106.4
39	48.8	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 83.03 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 76 Resp: 59831

Ion Ratio Lower Upper

76 100

78 29.7

25.8

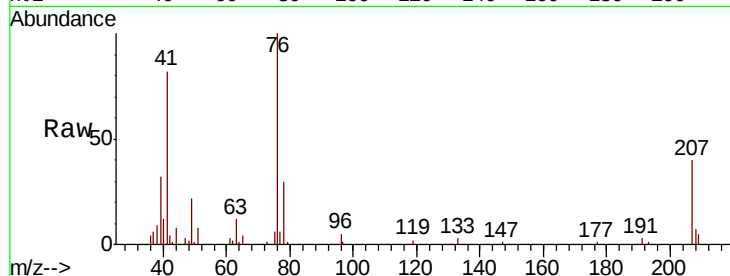
38.6

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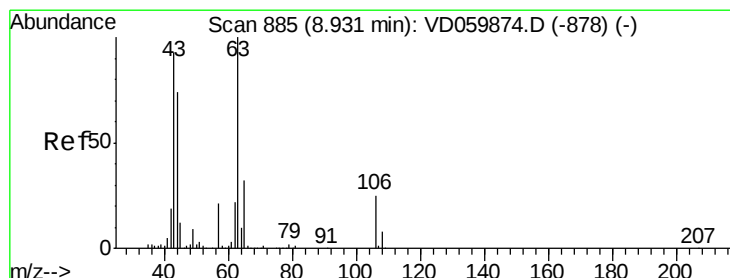
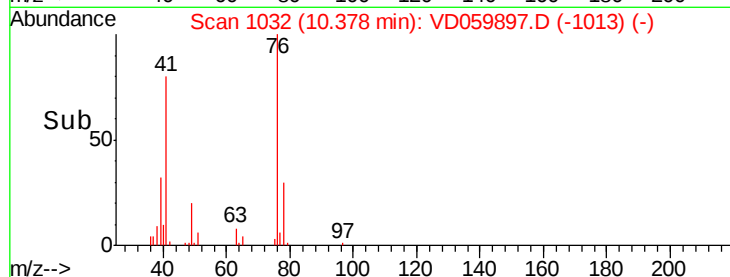
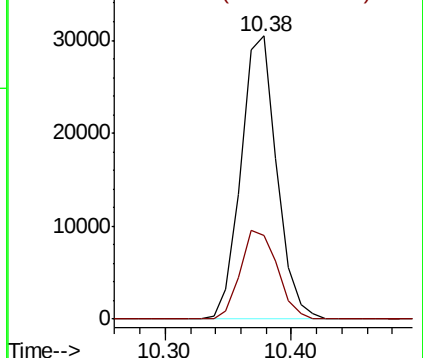
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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 604.20 ug/l

RT: 8.91 min Scan# 883

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion: 63 Resp: 166551

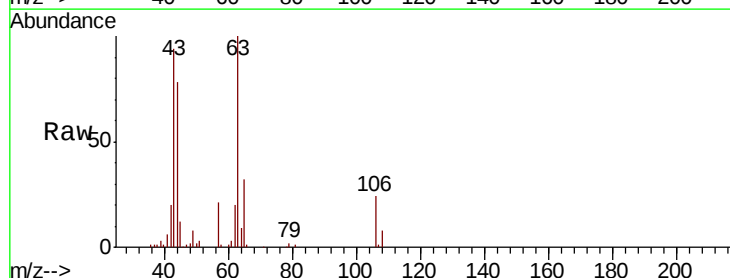
Ion Ratio Lower Upper

63 100

106 24.1

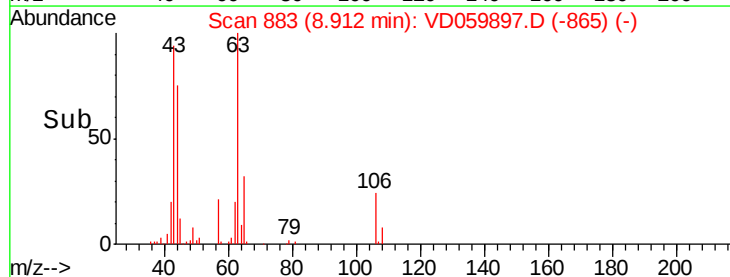
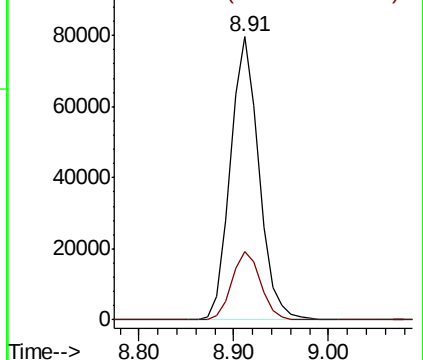
20.1

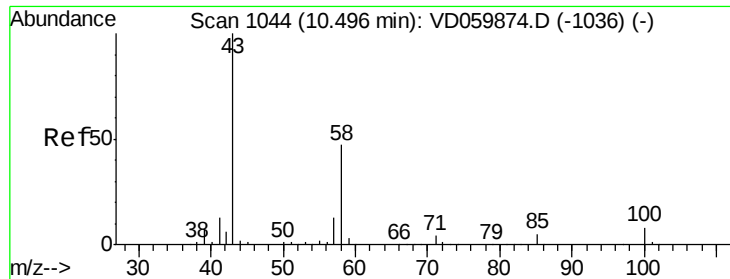
30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





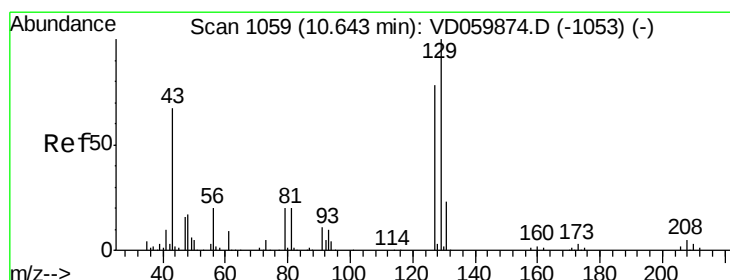
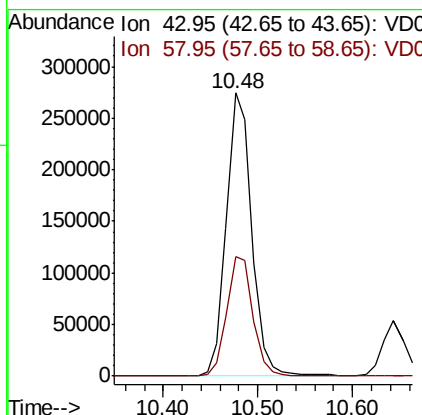
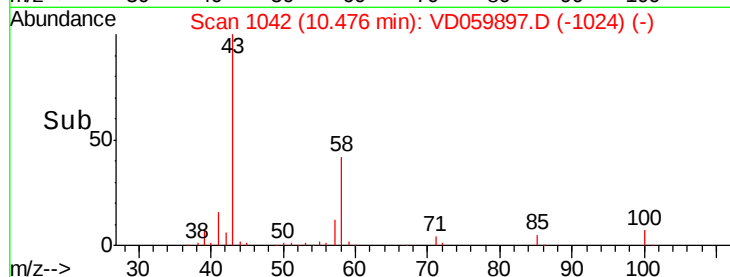
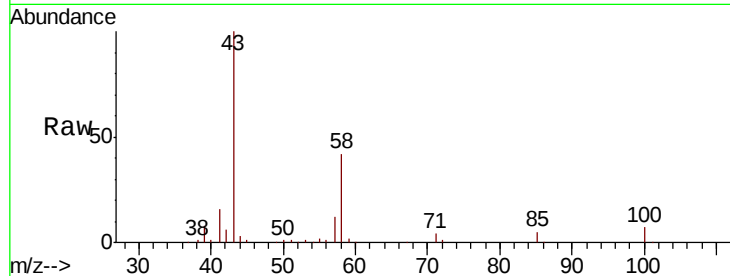
#59
2-Hexanone
Concen: 1112.39 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 505881
Ion Ratio Lower Upper
43 100
58 42.3 23.3 69.8

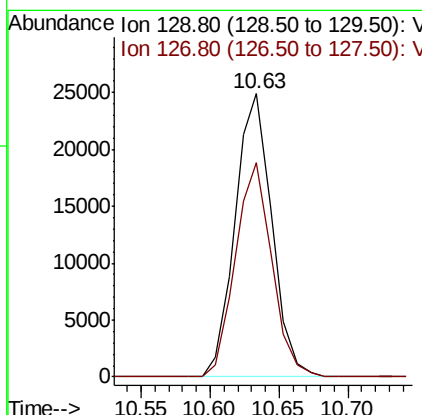
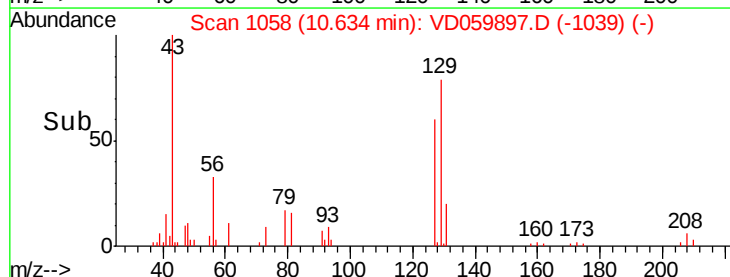
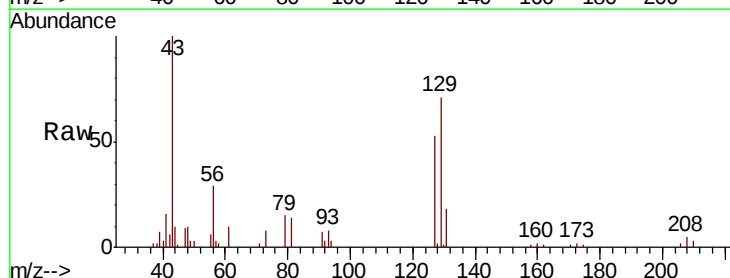
Manual Integrations
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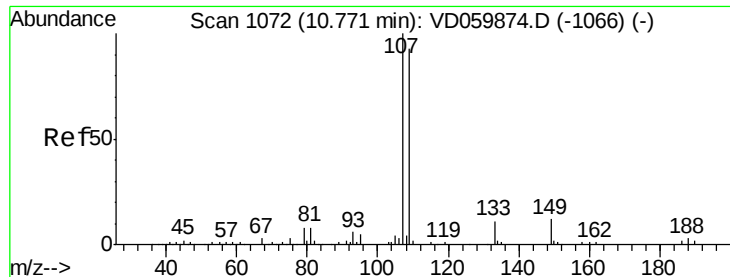
MMDadoda
8/24/2018 3:09:44 PM



#60
Dibromochloromethane
Concen: 73.75 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 129 Resp: 46155
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.2





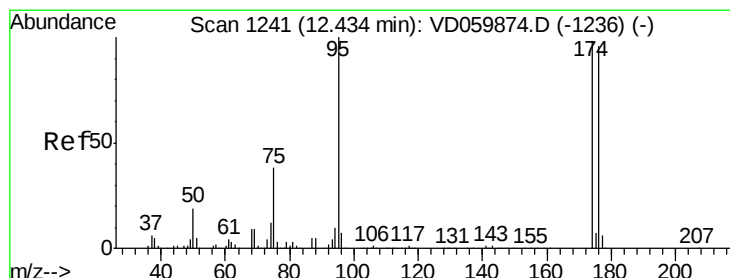
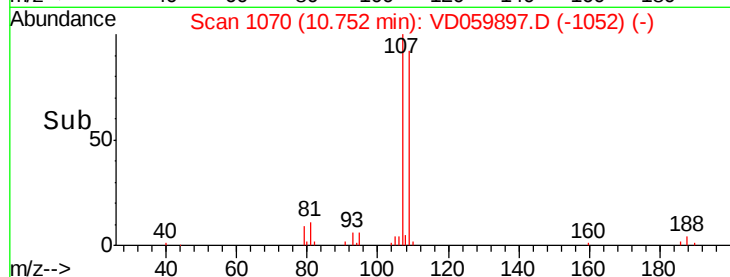
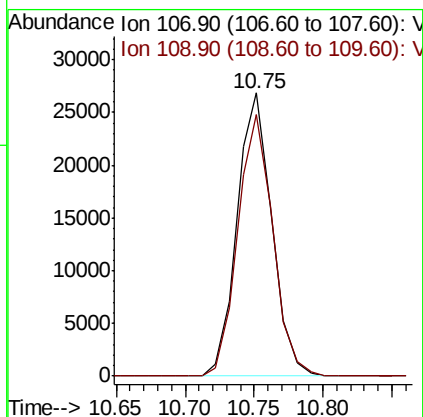
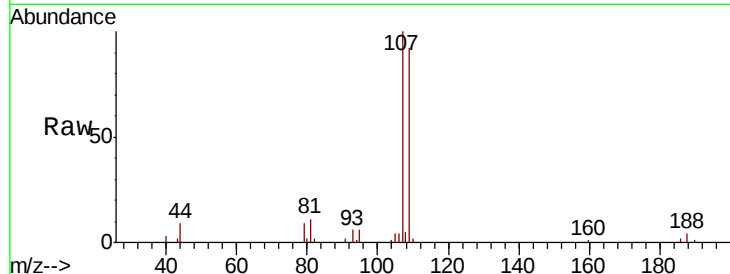
#61
 1,2-Dibromoethane
 Concen: 93.57 ug/l
 RT: 10.75 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion:107 Resp: 47106
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.6 112.0

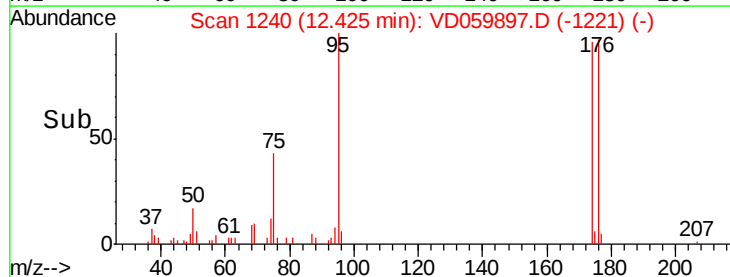
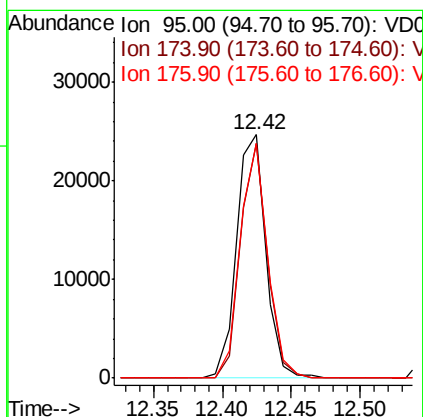
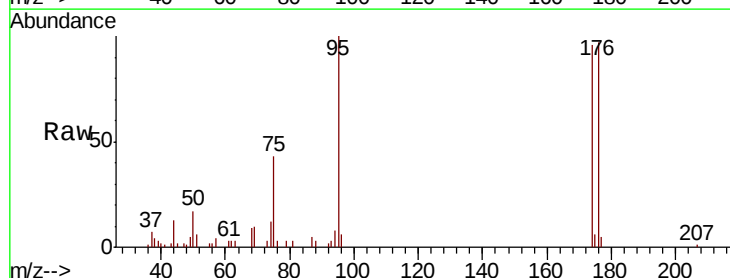
Manual Integrations
 APPROVED

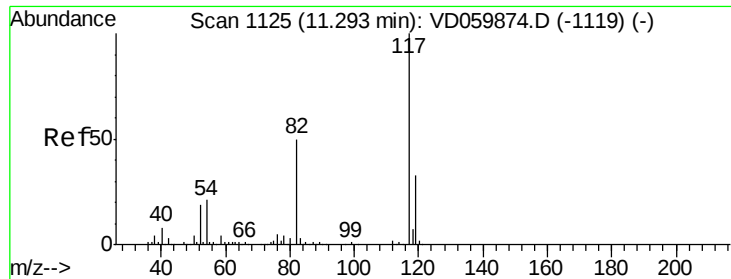
MMDadoda
 8/24/2018 3:09:44 PM



#62
 4-Bromofluorobenzene
 Concen: 93.57 ug/l
 RT: 12.42 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 95 Resp: 36664
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 195.6
 176 96.6 0.0 191.2





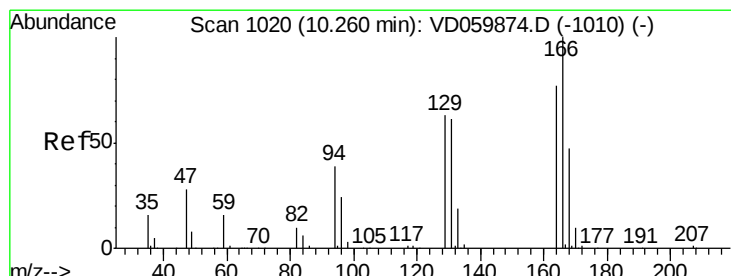
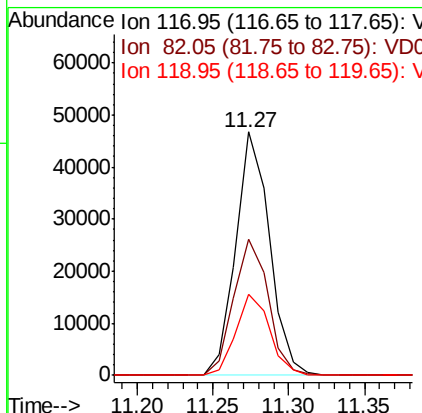
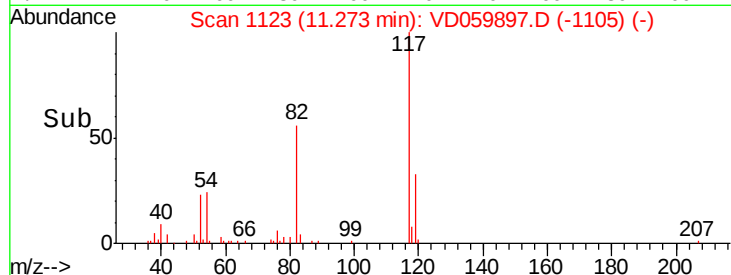
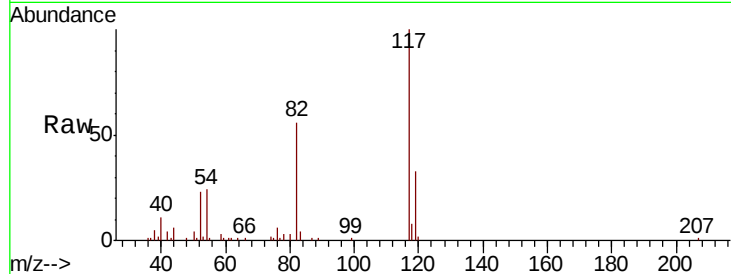
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
117	100	72544		
82	56.1		40.1	60.1
119	33.2		26.7	40.1

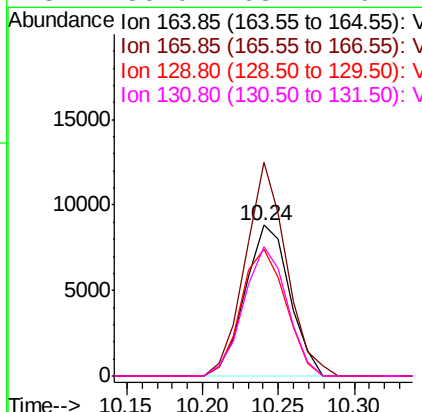
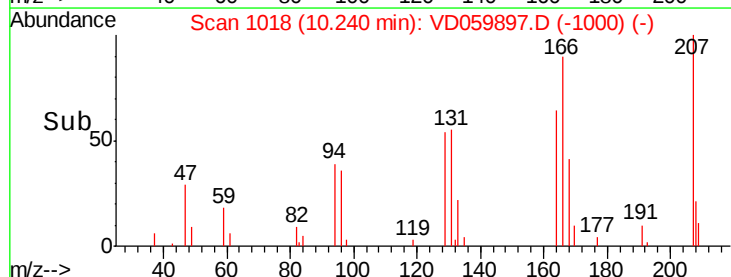
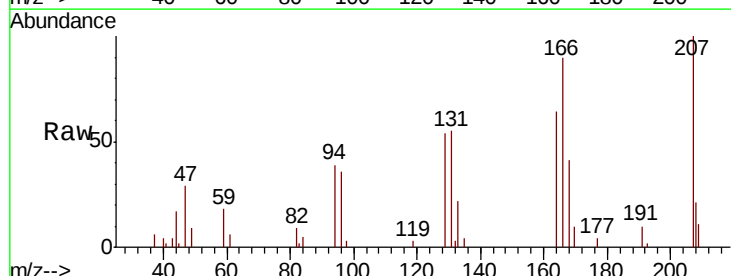
Manual Integrations
APPROVED

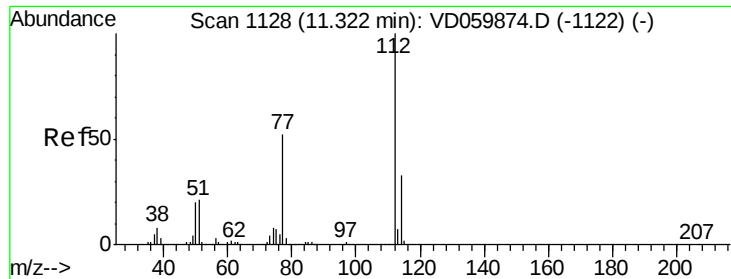
MMDadoda
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#64
Tetrachloroethene
Concen: 32.35 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18146		
166	141.9		103.4	155.2
129	84.2		65.2	97.8
131	86.0		63.1	94.7





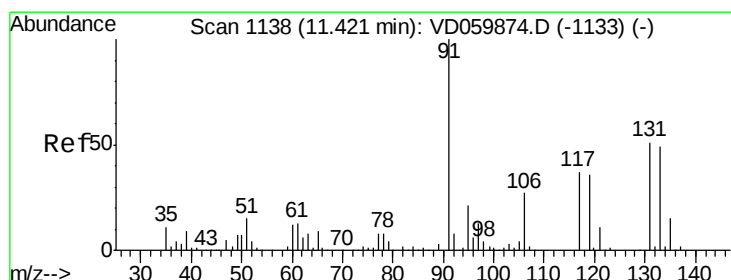
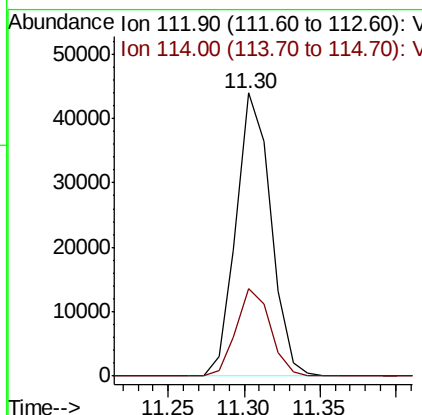
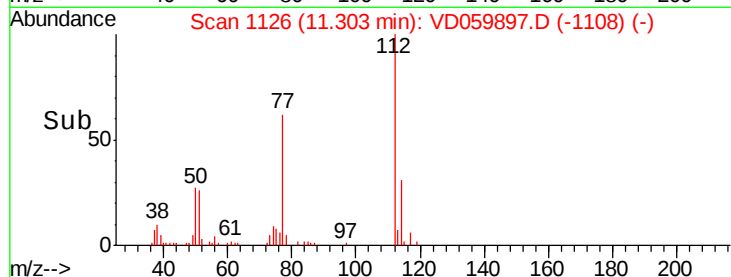
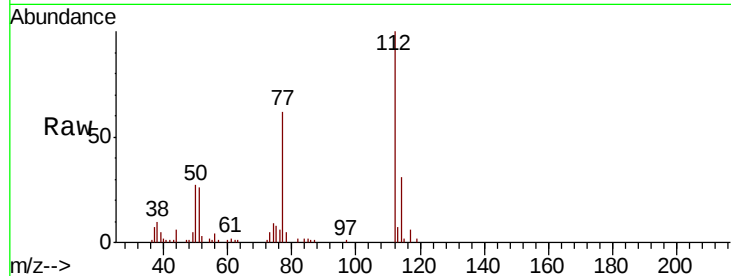
#65
Chlorobenzene
Concen: 48.62 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion:112 Resp: 70088
Ion Ratio Lower Upper
112 100
114 30.7 26.4 39.6

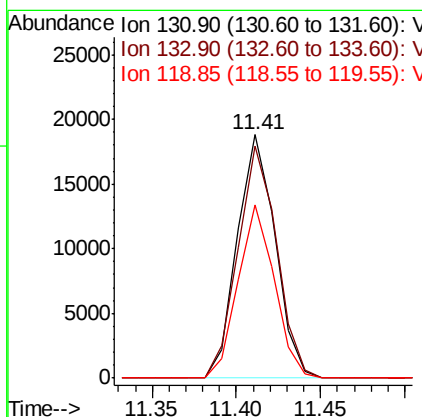
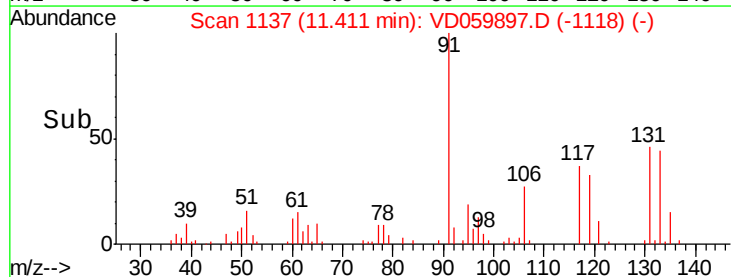
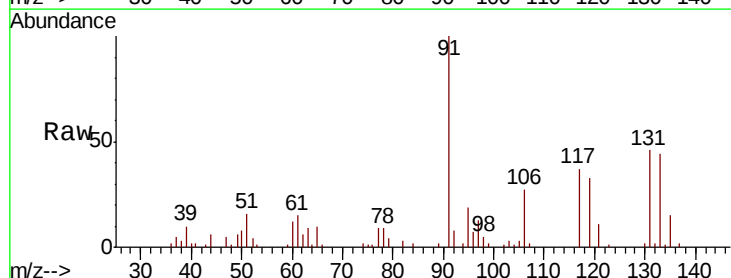
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.74 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:131 Resp: 29355
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.8
119 71.3 35.4 106.3





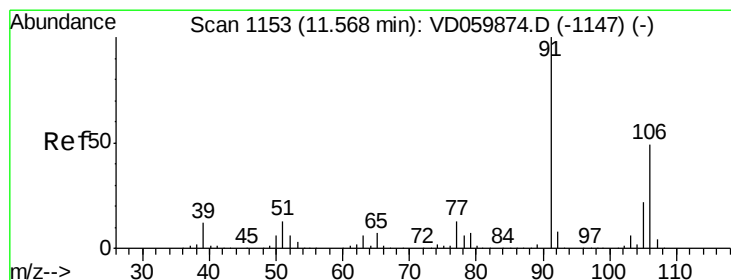
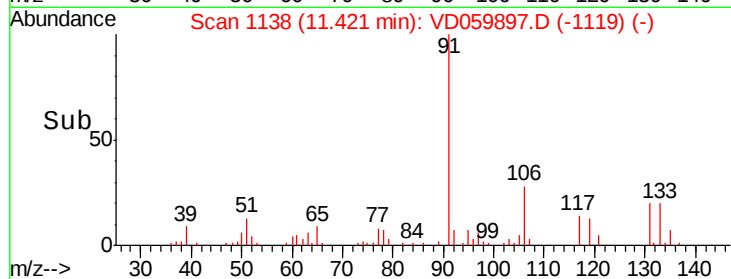
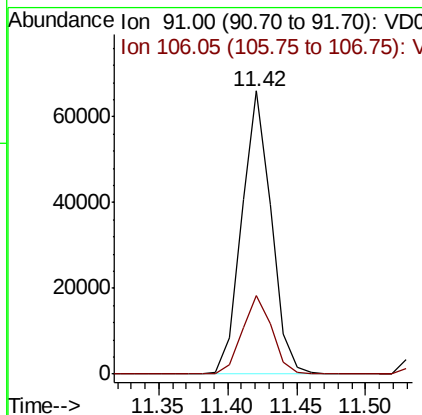
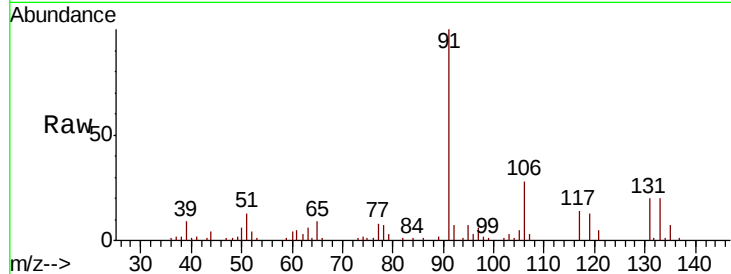
#67
Ethyl Benzene
Concen: 40.56 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 98376
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.8

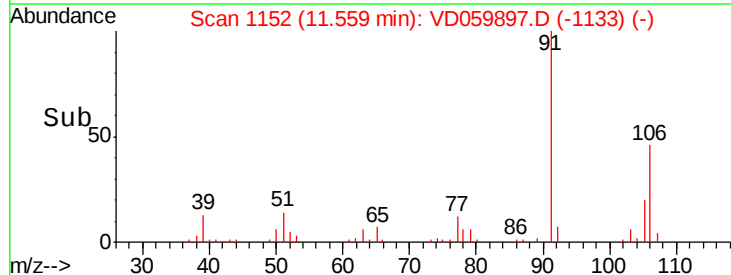
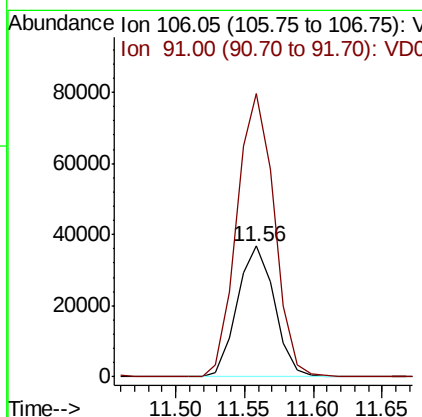
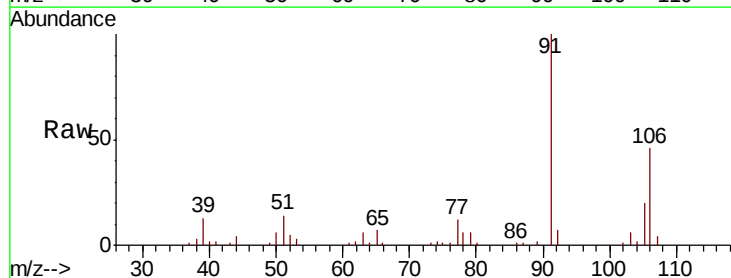
Manual Integrations
APPROVED

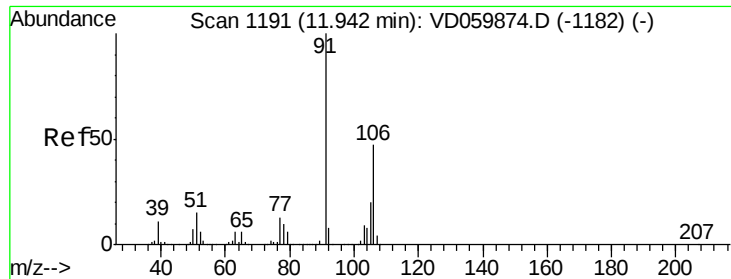
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#68
m/p-Xylenes
Concen: 77.90 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:106 Resp: 68787
Ion Ratio Lower Upper
106 100
91 216.8 162.0 243.0





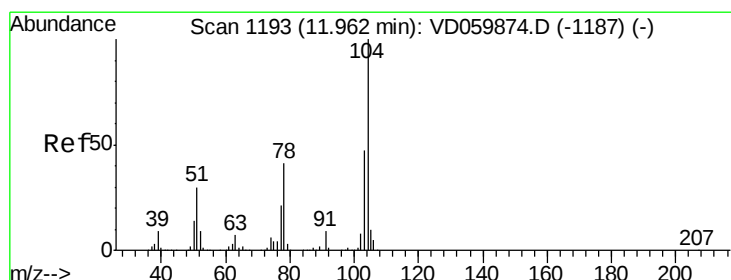
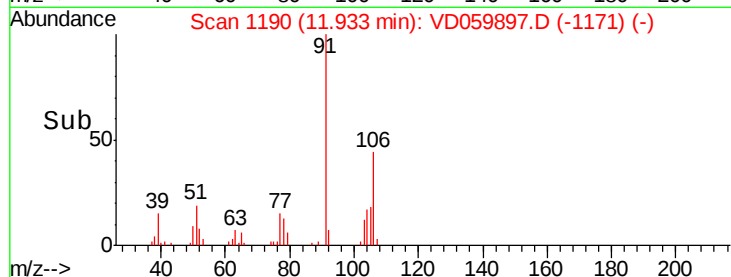
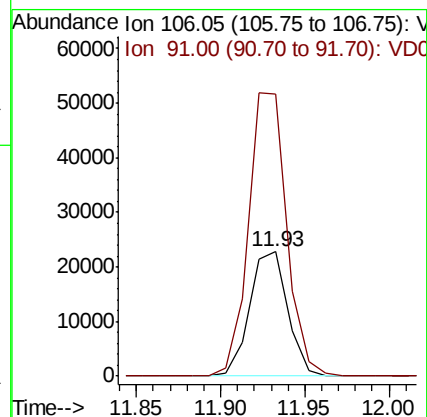
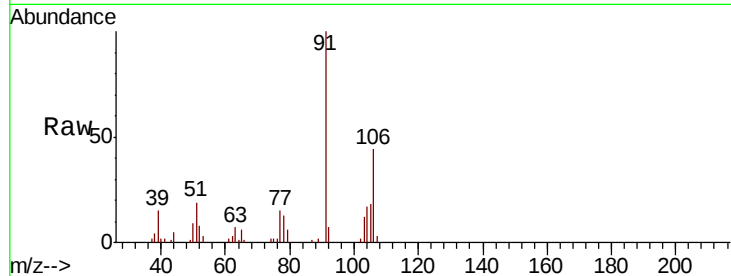
#69
o-Xylene
Concen: 41.33 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	35695		
91	91	226.1	107.3	322.0	

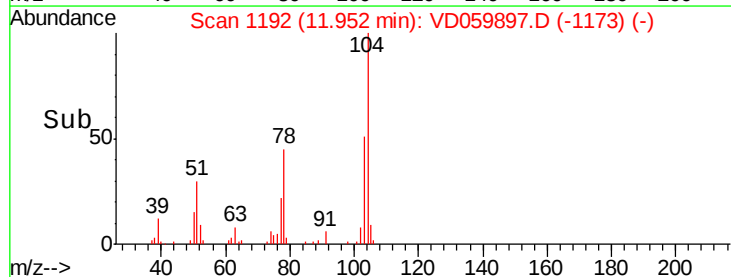
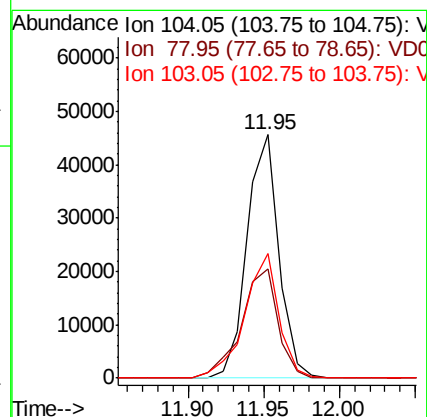
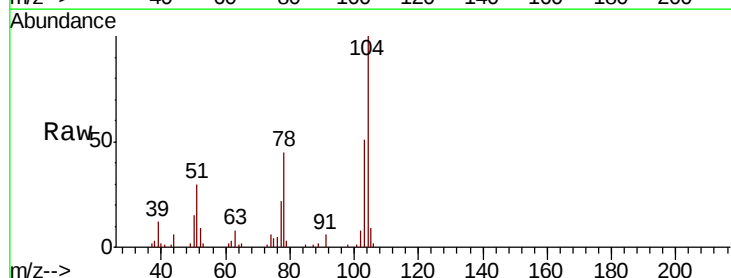
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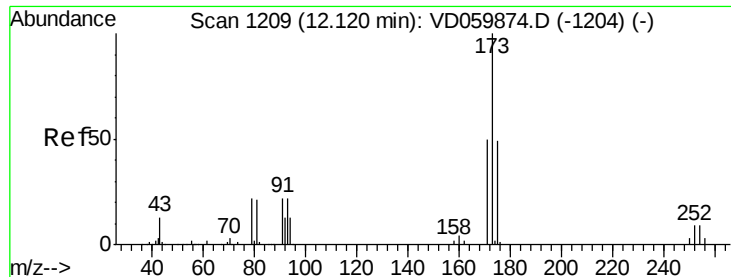
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#70
Styrene
Concen: 44.57 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	66645		
78	78	44.8	32.6	49.0	
103	103	51.3	37.7	56.5	





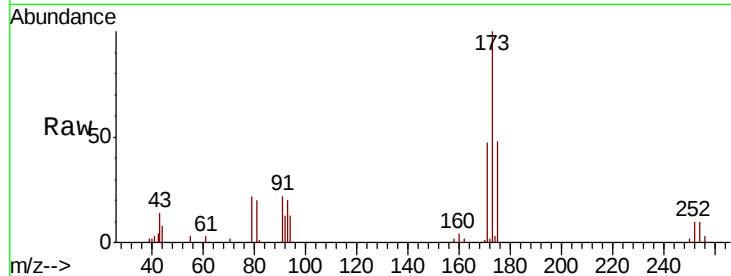
#71
Bromoform
Concen: 89.83 ug/l
RT: 12.11 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	73.0
254	9.5	7.0	10.6

Manual Integrations
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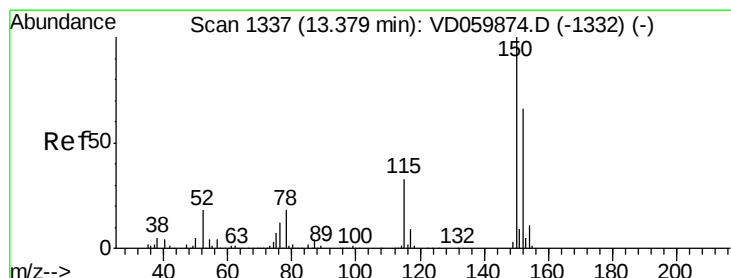
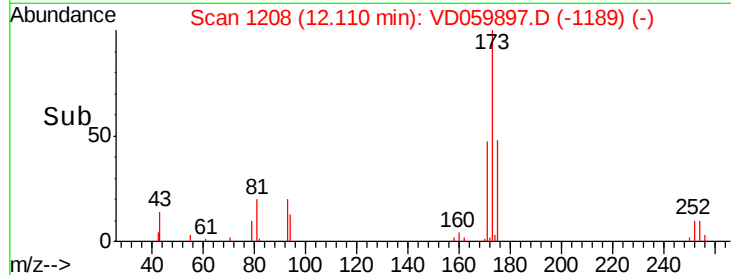
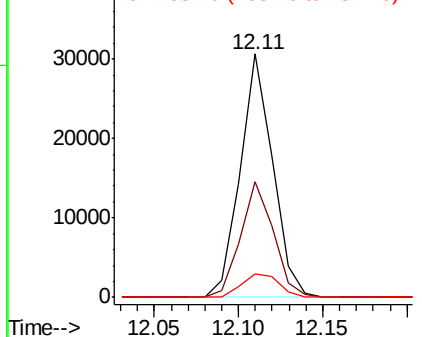


Abundance

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: VD059897.D
Acq: 23 Aug 2018 19:26

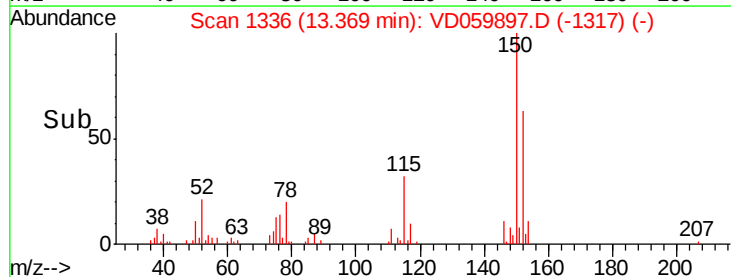
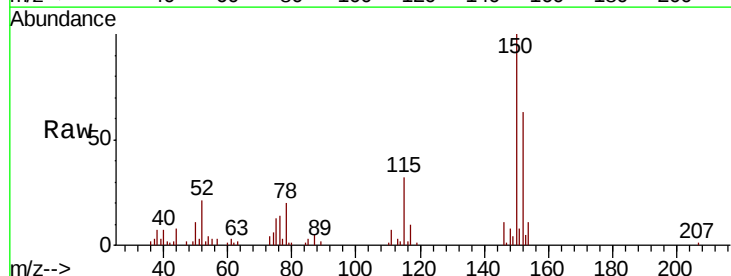
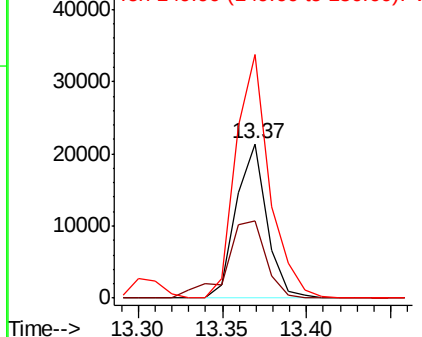
Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.0	25.7	77.0
150	157.8	0.0	310.2

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: 34.70 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 105 Resp: 60002

Ion Ratio Lower Upper

105 100

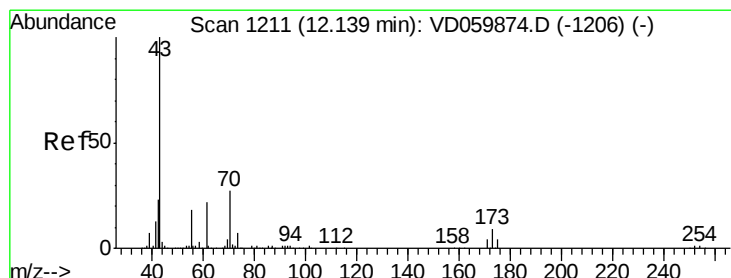
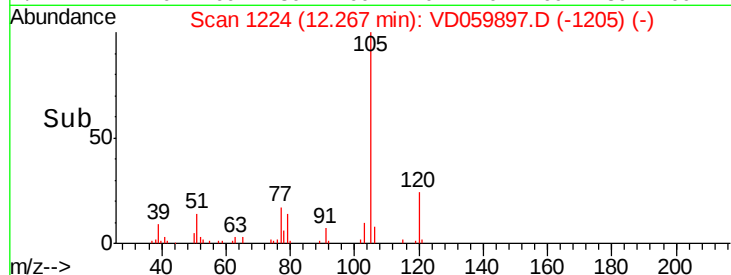
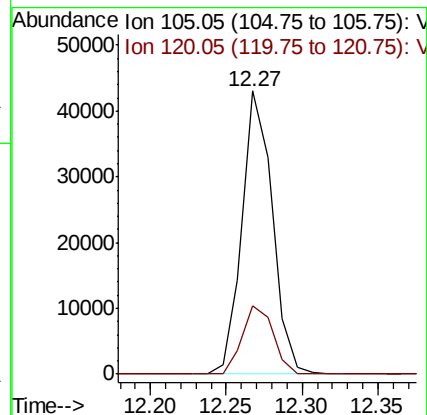
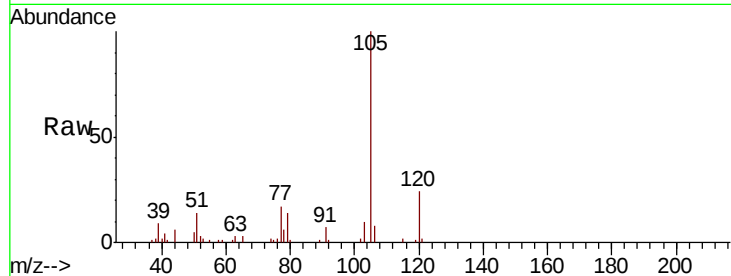
120 24.2 11.8 35.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 98.16 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion: 43 Resp: 74328

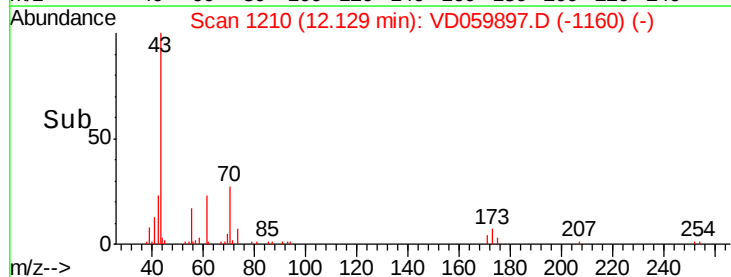
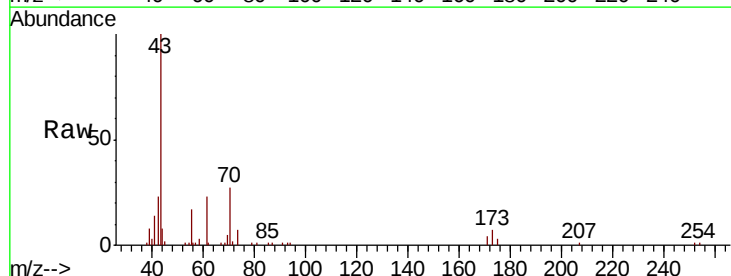
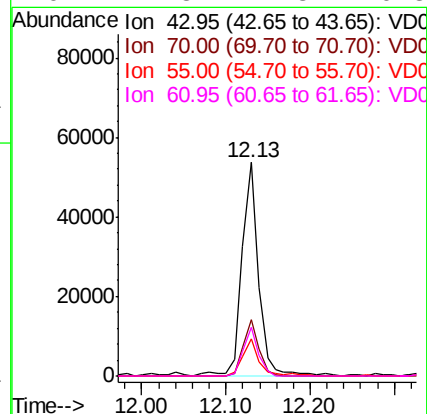
Ion Ratio Lower Upper

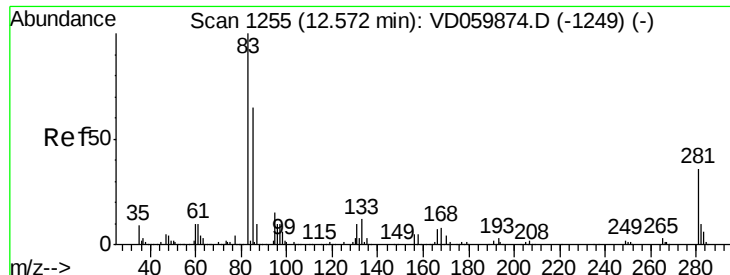
43 100

70 26.6 21.4 32.2

55 17.5 14.1 21.1

61 22.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 175.50 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 83 Resp: 70202

Ion Ratio Lower Upper

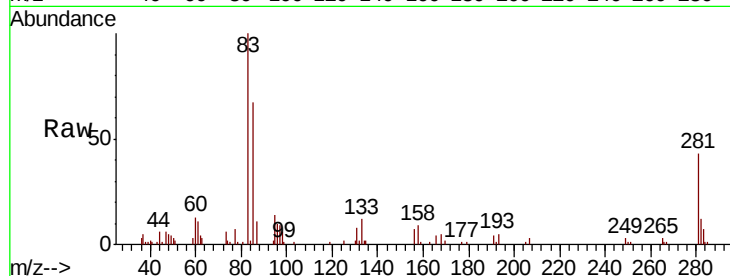
83 100

131 8.3 4.8 14.4

85 66.8 32.6 97.8

Manual Integrations
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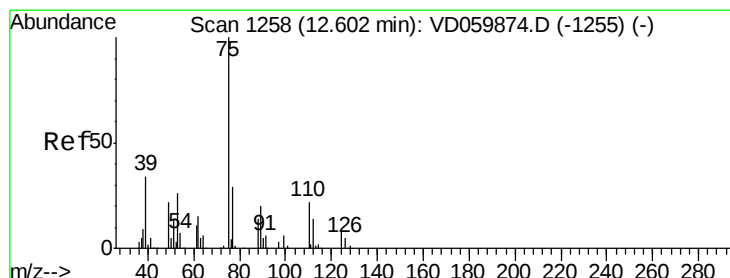
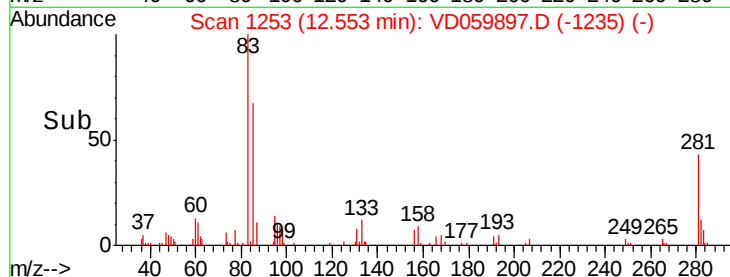
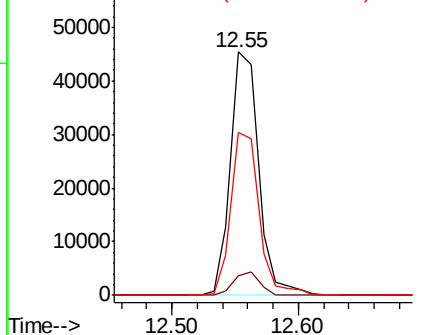
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 195.99 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059897.D

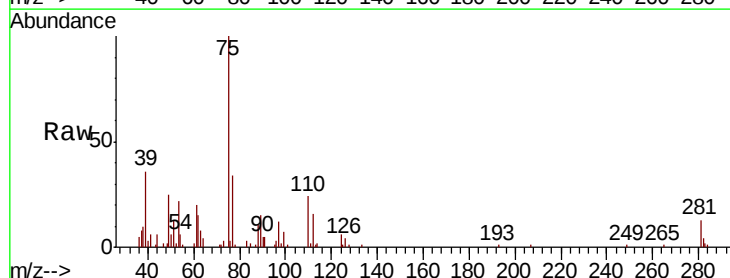
Acq: 23 Aug 2018 19:26

Tgt Ion: 75 Resp: 82528

Ion Ratio Lower Upper

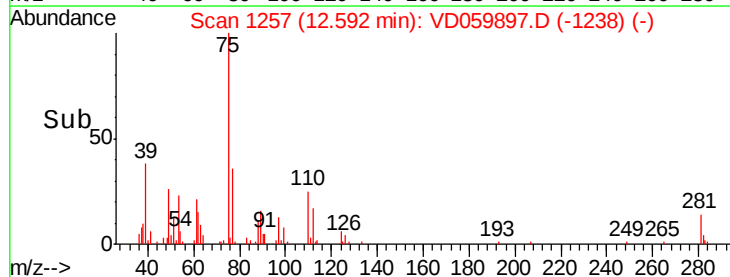
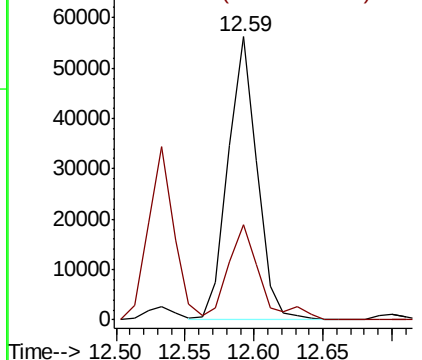
75 100

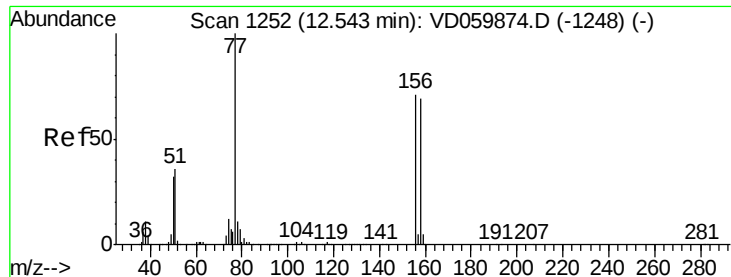
77 33.9 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 66.20 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

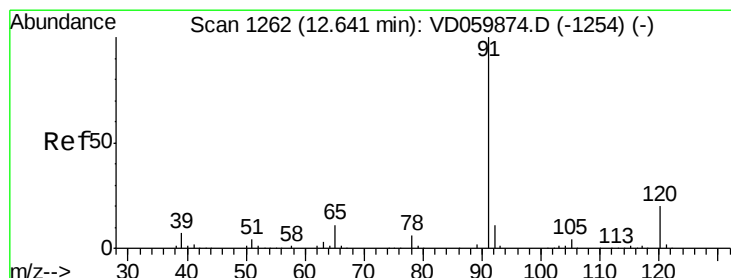
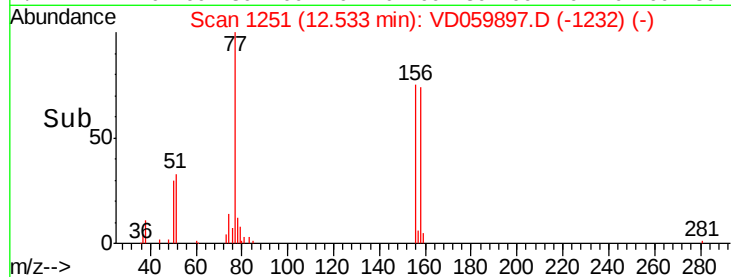
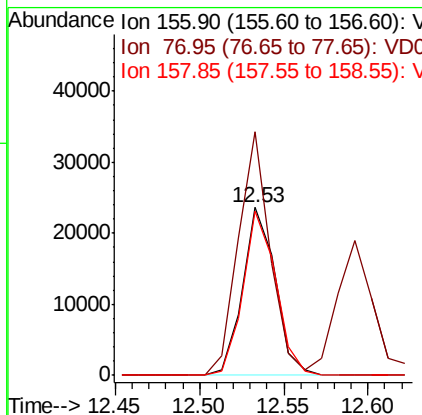
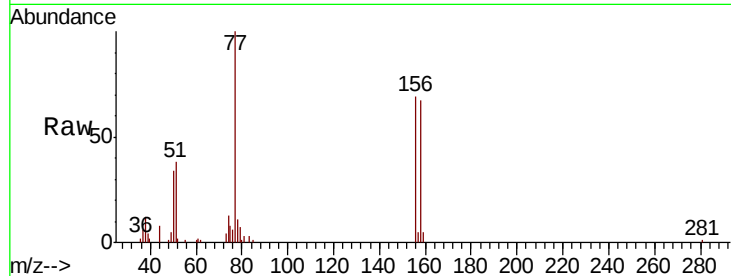
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	70.2	210.4
158	97.9	48.4	145.2

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#78

n-propylbenzene

Concen: 33.48 ug/l

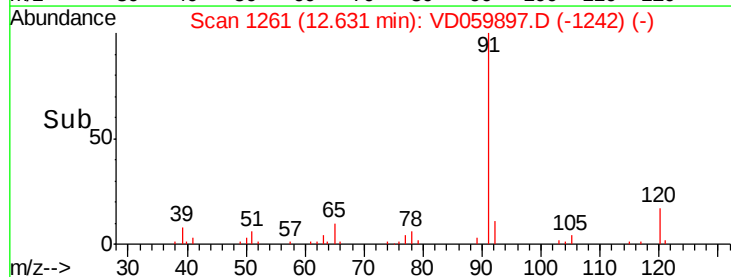
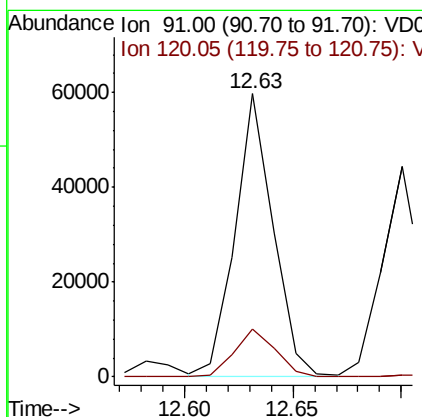
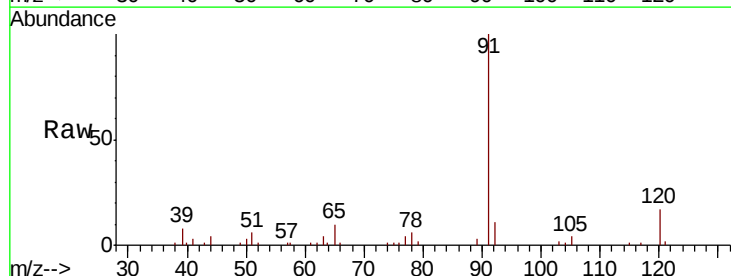
RT: 12.63 min Scan# 1261

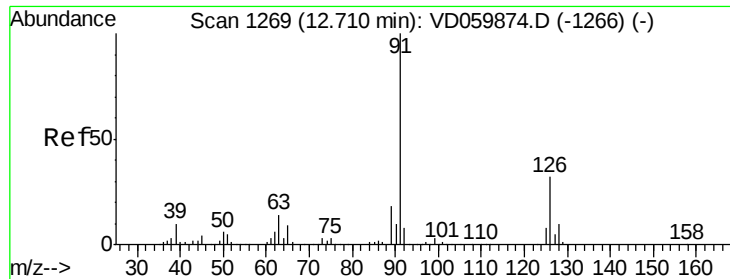
Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	17.1	10.1	30.3





#79

2-Chlorotoluene

Concen: 45.25 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 91 Resp: 56038

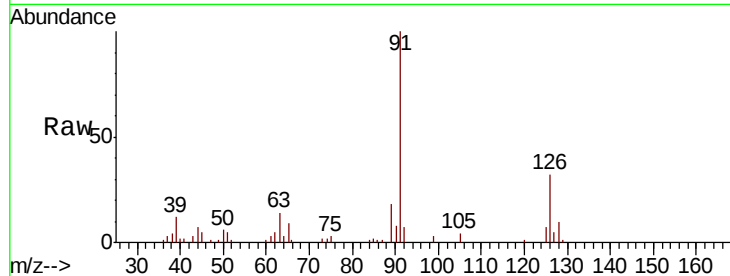
Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.2

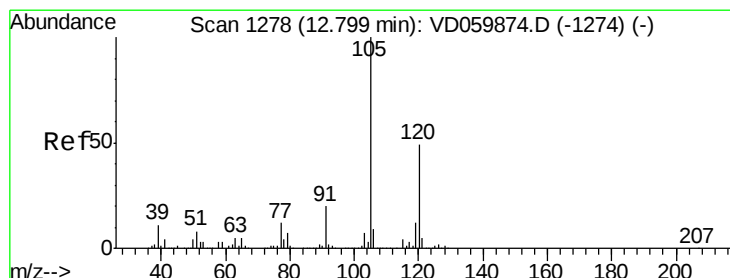
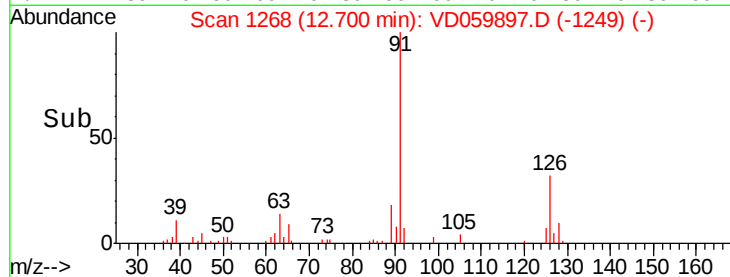
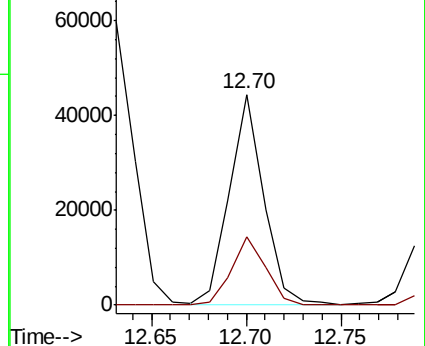
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 35.49 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059897.D

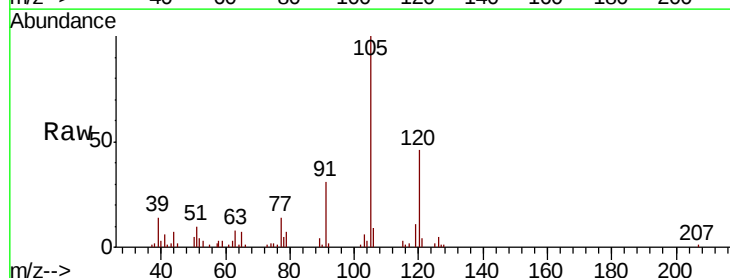
Acq: 23 Aug 2018 19:26

Tgt Ion:105 Resp: 48801

Ion Ratio Lower Upper

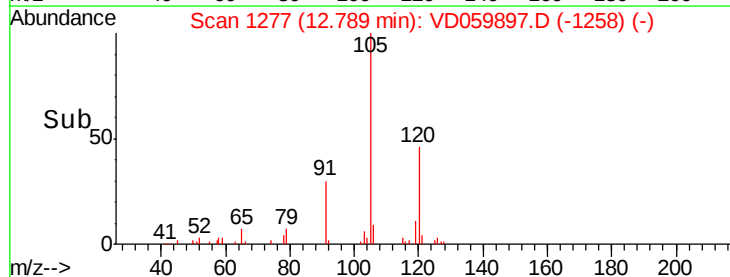
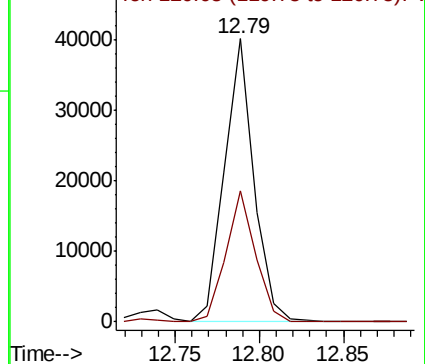
105 100

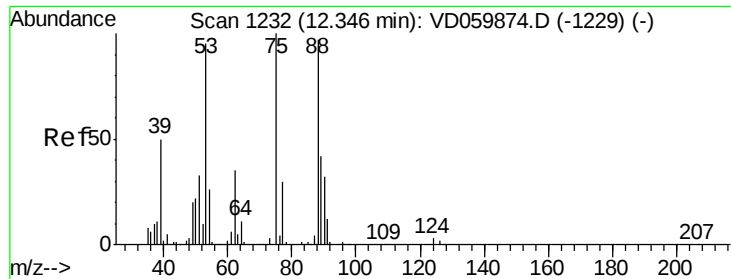
120 46.3 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





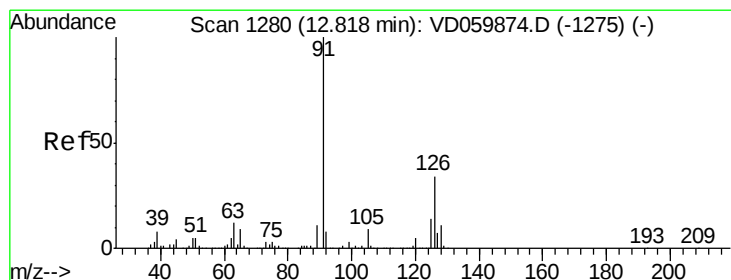
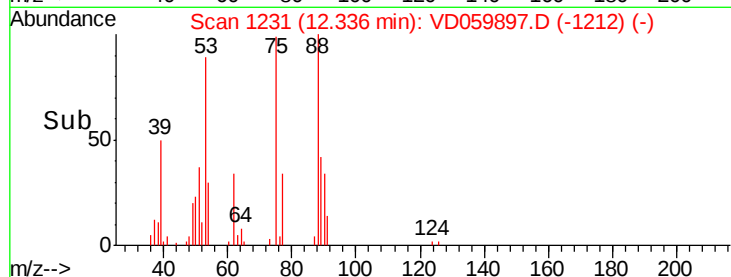
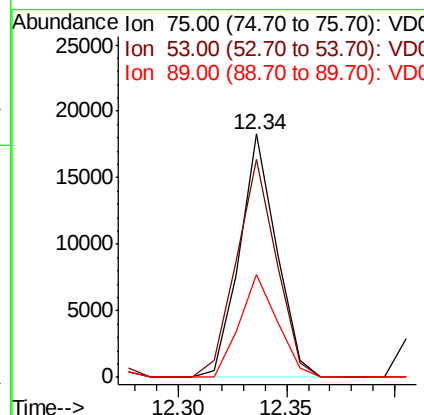
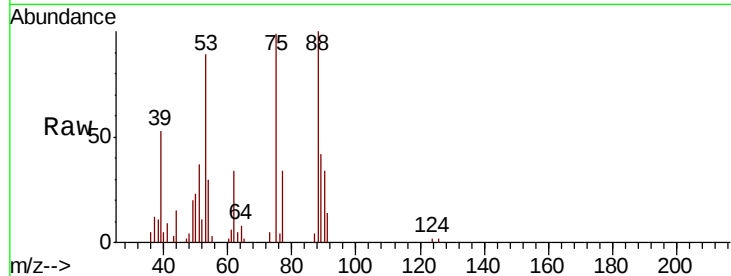
#81
trans-1,4-Dichloro-2-butene
Concen: 165.94 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	75.8	113.6
89	42.1	33.6	50.4

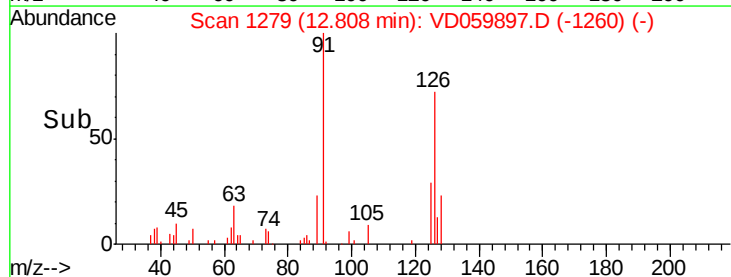
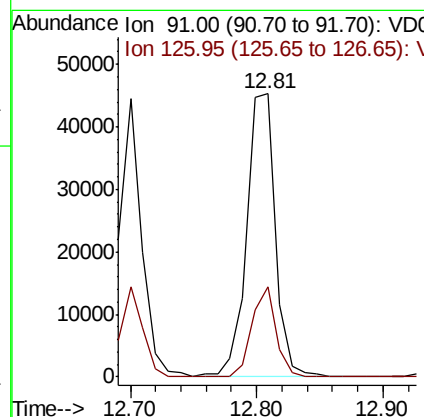
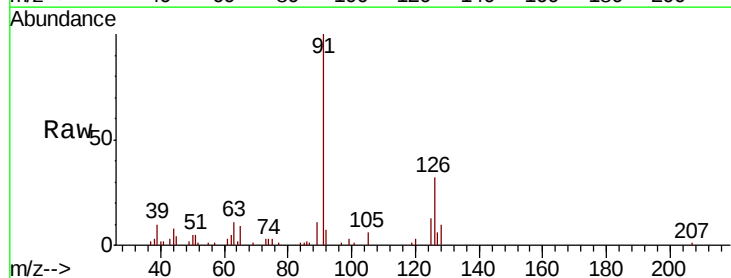
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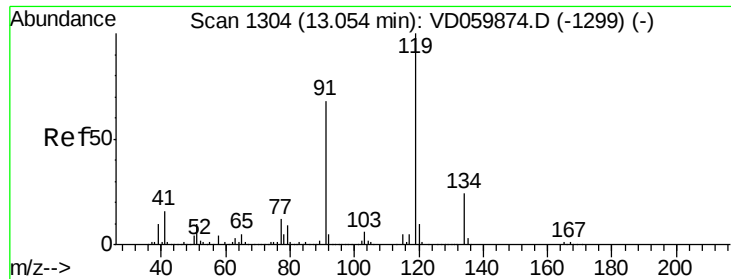
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#82
4-Chlorotoluene
Concen: 50.46 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.1	51.2





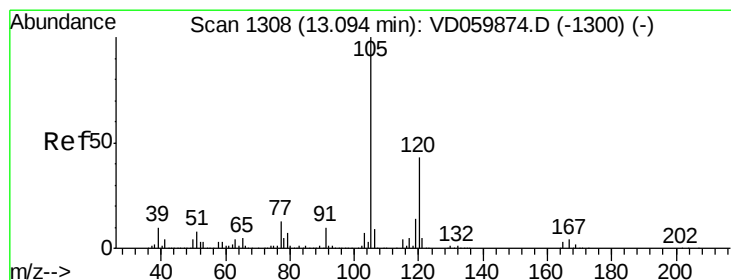
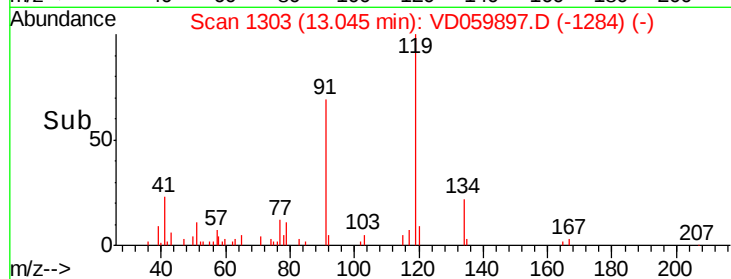
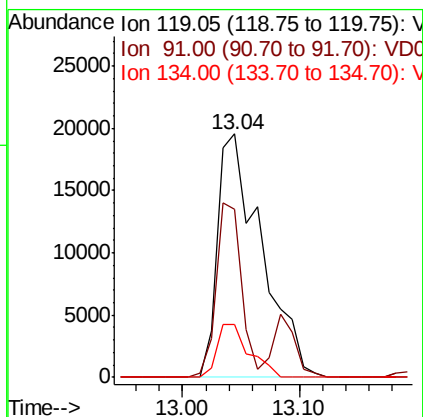
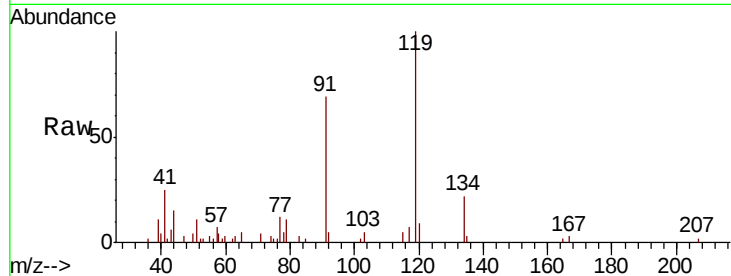
#83
tert-Butylbenzene
Concen: 32.39 ug/l
RT: 13.04 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.3	102.9
134	21.8	11.9	35.9

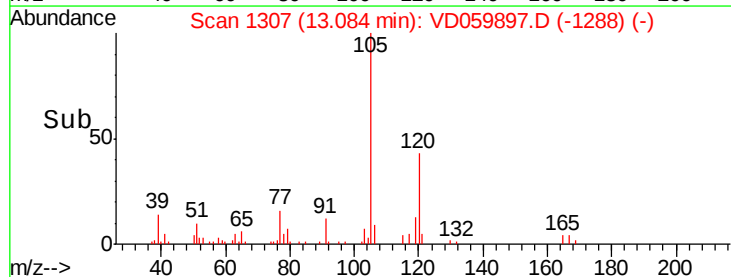
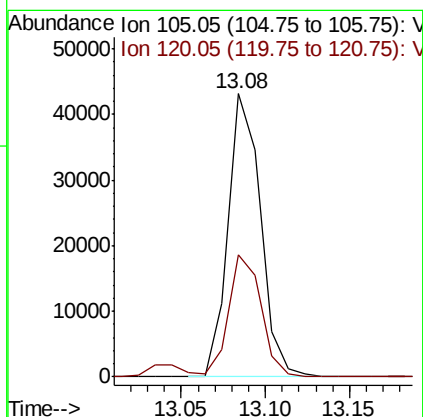
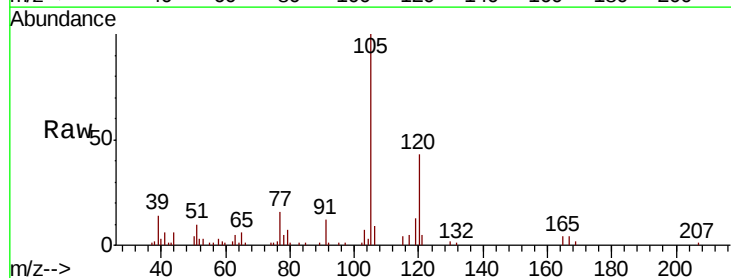
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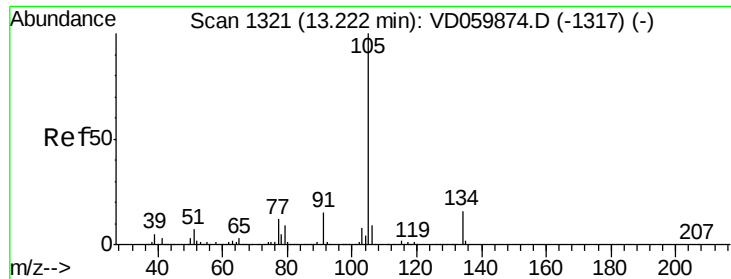
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#84
1,2,4-Trimethylbenzene
Concen: 40.19 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.8	65.3





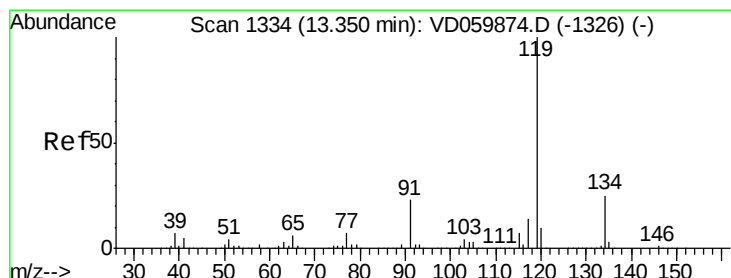
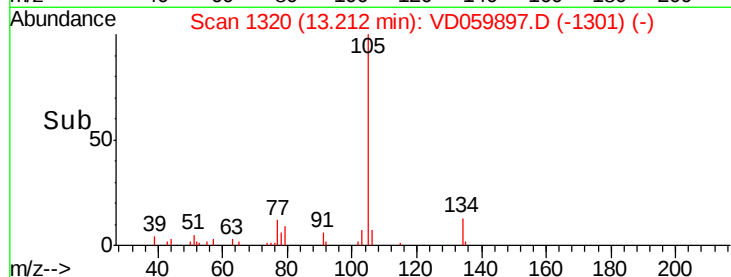
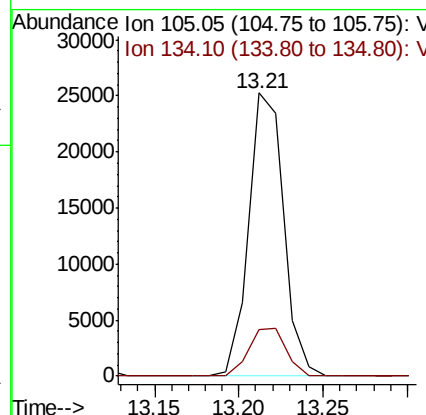
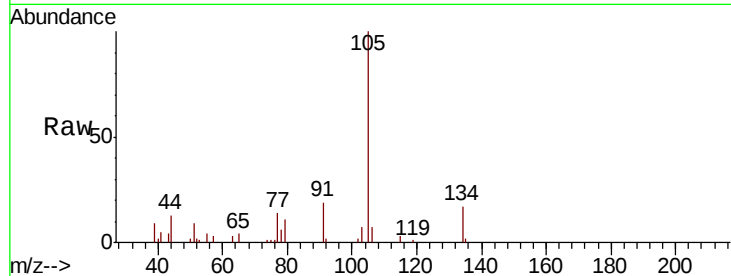
#85
 sec-Butylbenzene
 Concen: 19.71 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.6	8.2	24.4

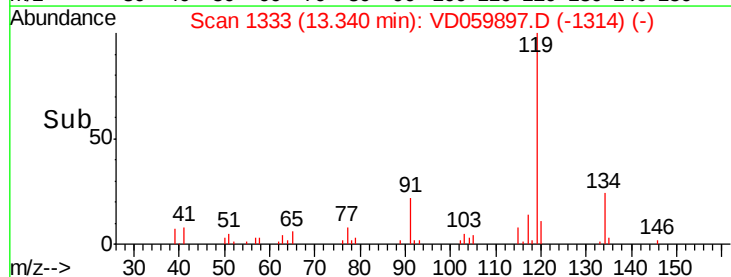
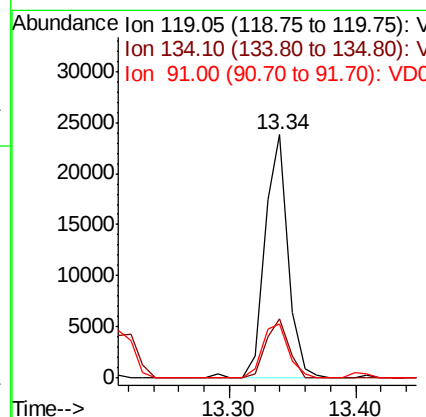
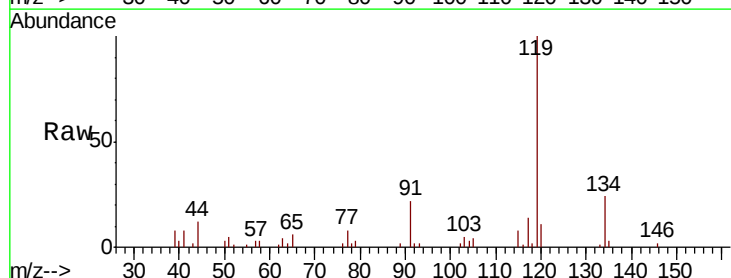
Manual Integrations
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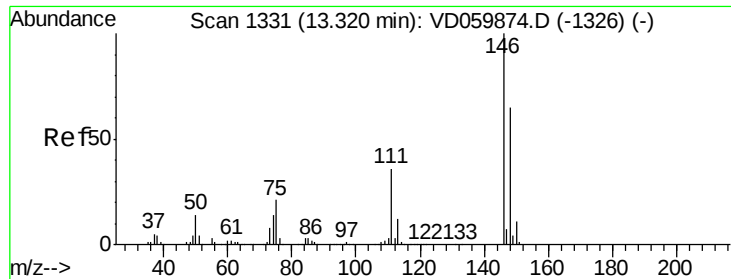
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#86
 p-Isopropyltoluene
 Concen: 20.25 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	12.7	38.1
91	22.2	11.7	35.0





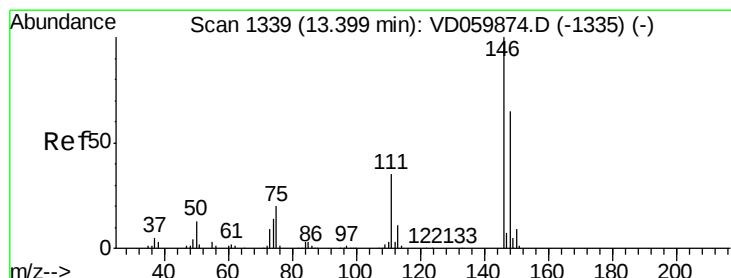
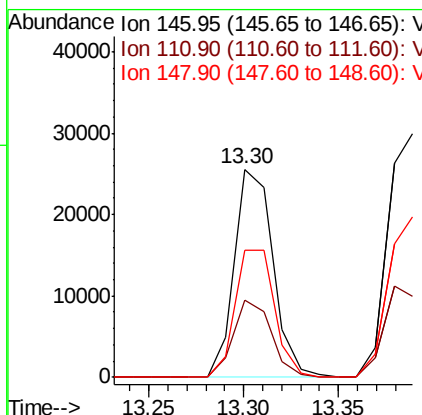
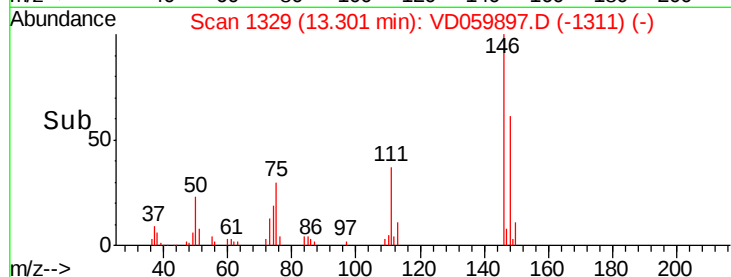
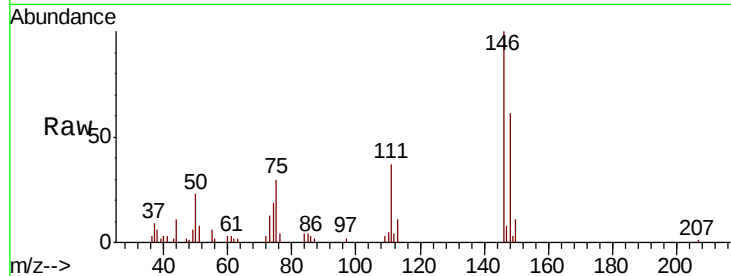
#87
 1,3-Dichlorobenzene
 Concen: 42.14 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.9	53.7
148	61.2	32.4	97.0

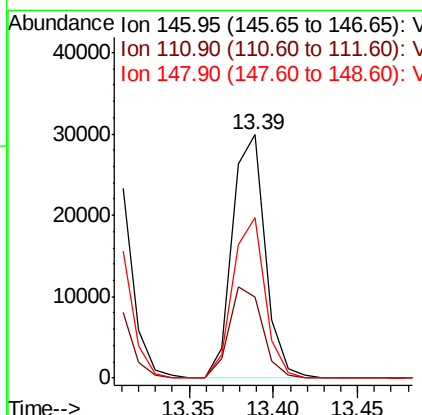
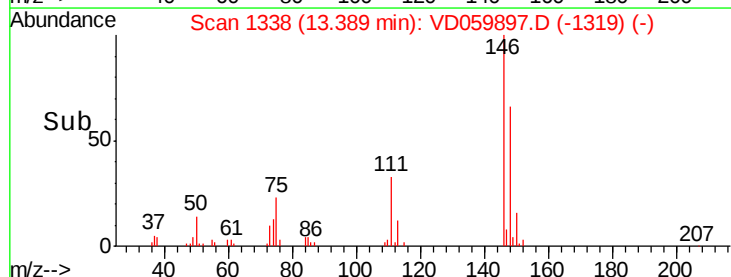
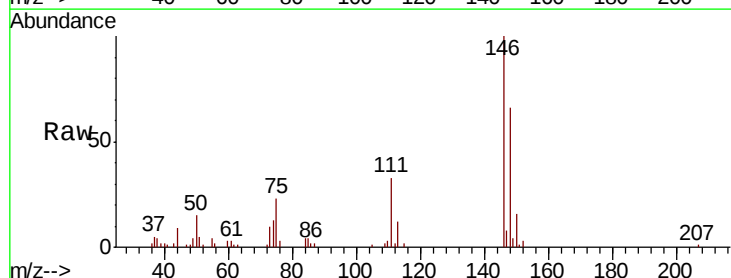
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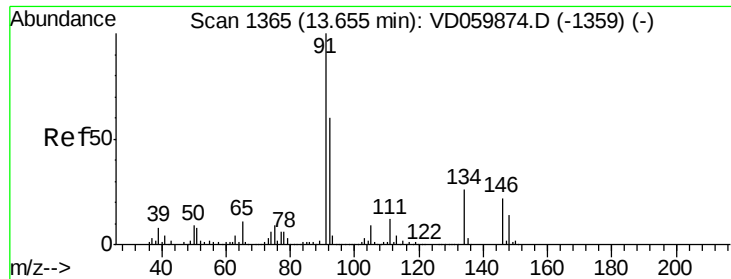
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#88
 1,4-Dichlorobenzene
 Concen: 47.49 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.4	17.5	52.6
148	65.9	32.5	97.5





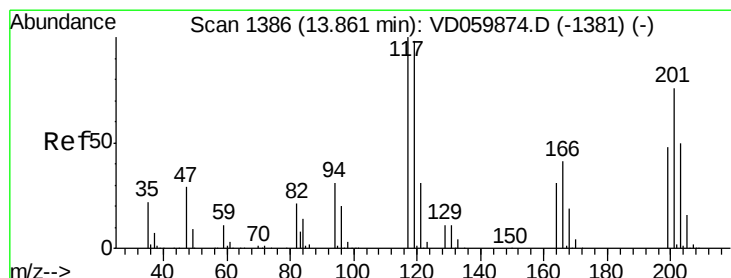
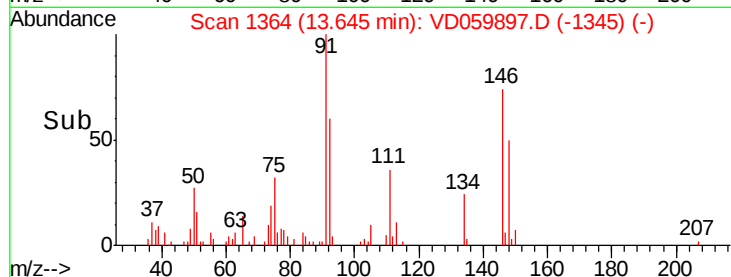
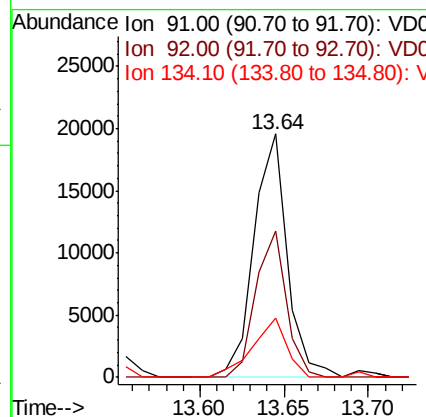
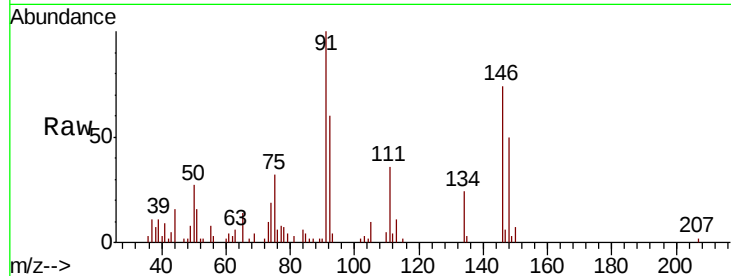
#89
n-Butylbenzene
Concen: 16.17 ug/l
RT: 13.64 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	30.0	90.1
134	24.1	12.8	38.4

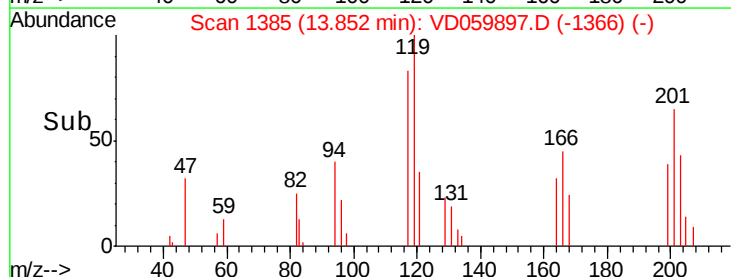
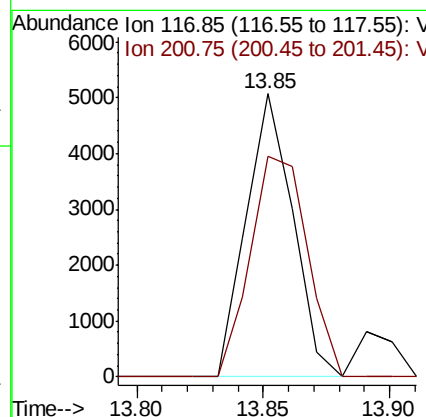
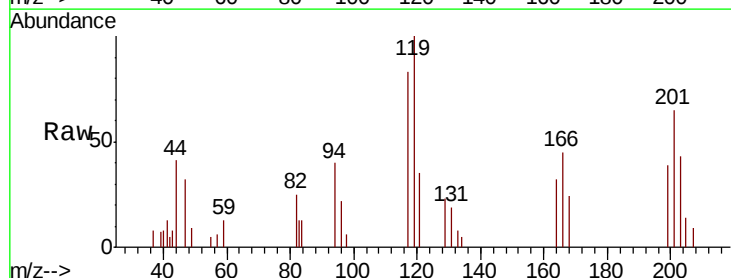
Manual Integrations
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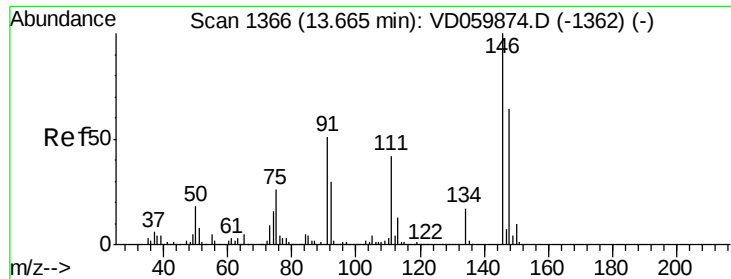
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#90
Hexachloroethane
Concen: 16.15 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.1	38.1	114.5





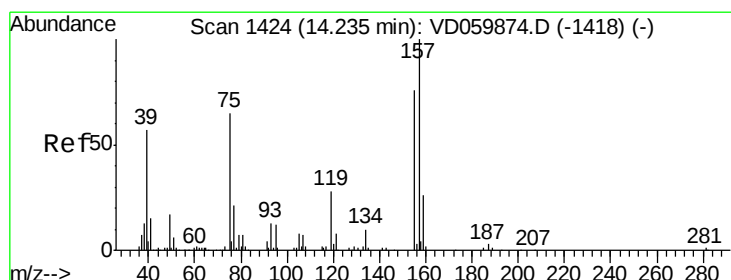
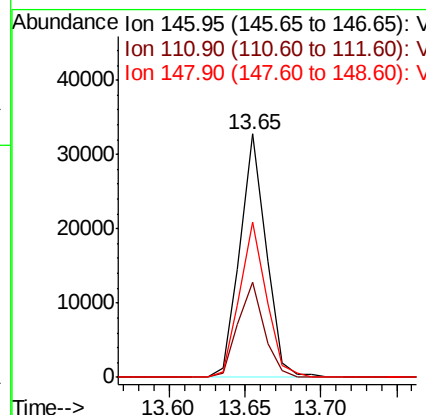
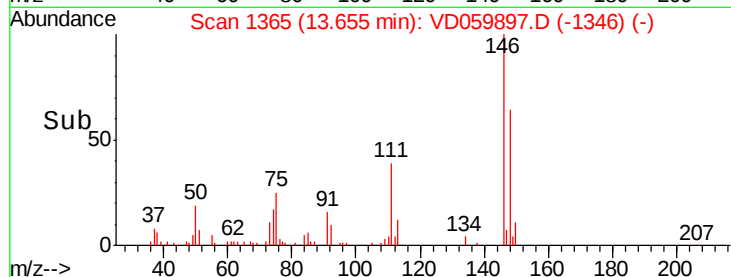
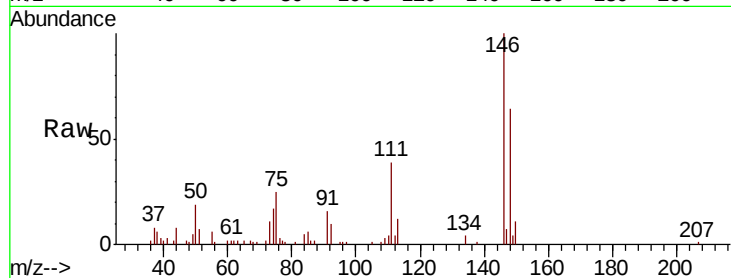
#91
 1,2-Dichlorobenzene
 Concen: 54.14 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.1
148	63.8	32.2	96.6

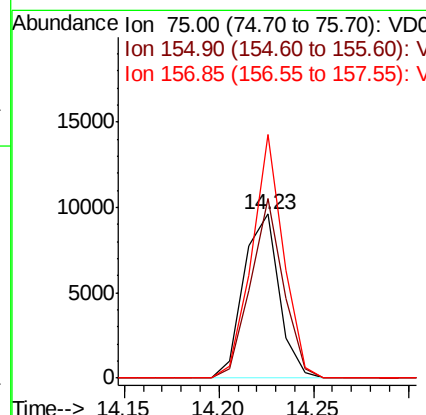
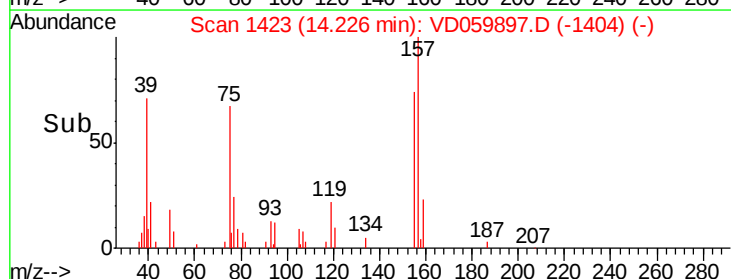
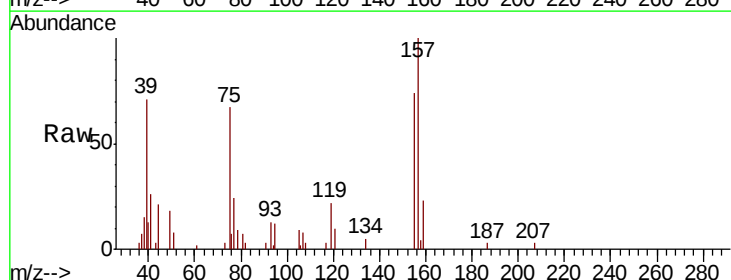
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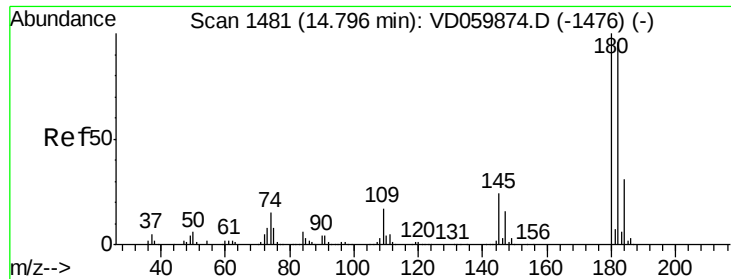
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 202.33 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.3	58.2	174.6
157	148.4	76.8	230.4





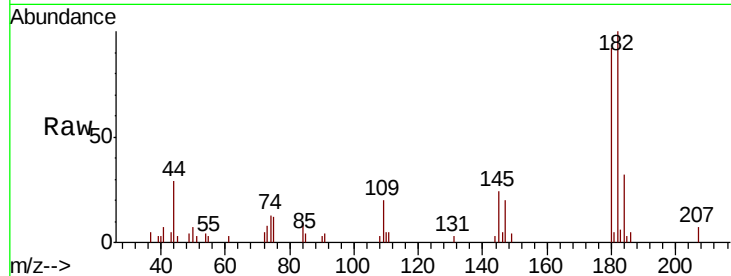
#93
 1,2,4-Trichlorobenzene
 Concen: 22.75 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.1	47.9	143.7
145	26.2	12.2	36.4

Manual Integrations
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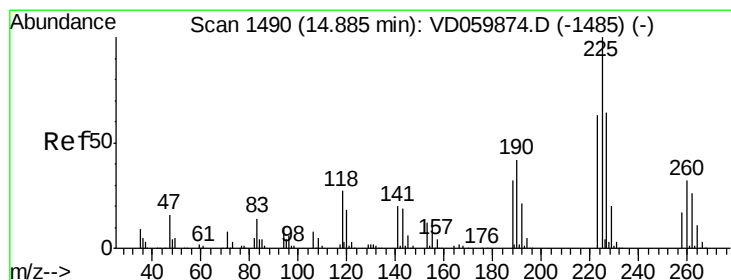
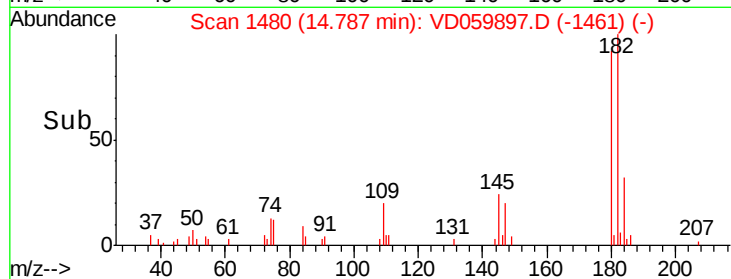
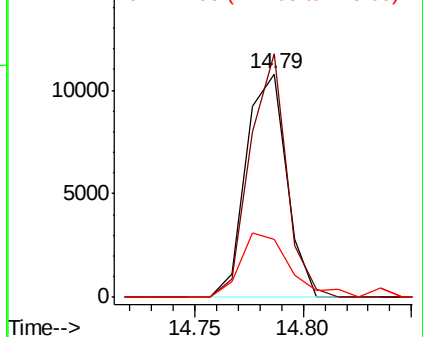


Abundance

Ion 179.85 (179.55 to 180.55): V

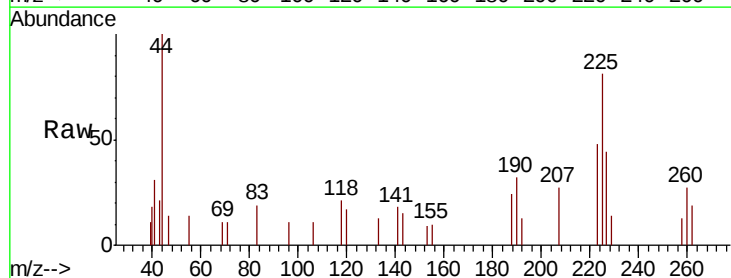
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 7.41 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	31.6	94.8
227	54.1	32.0	96.0

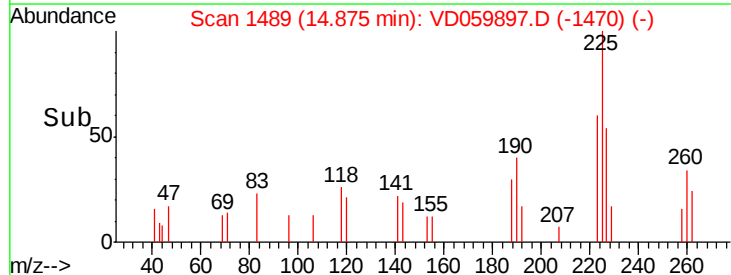
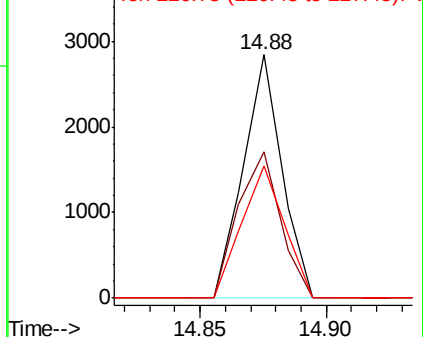


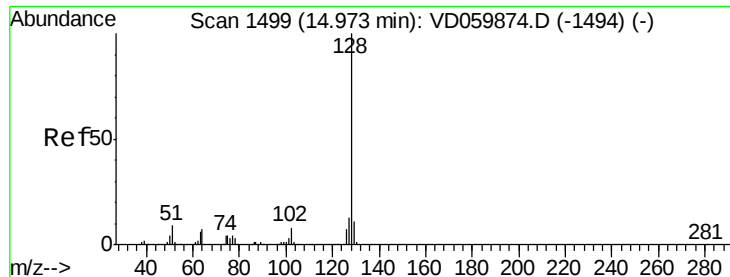
Abundance

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





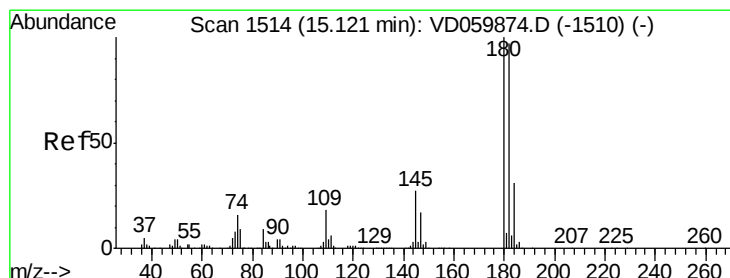
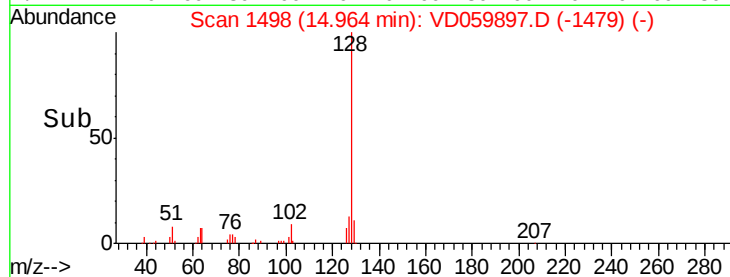
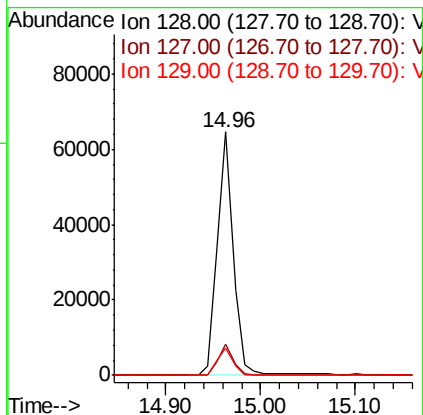
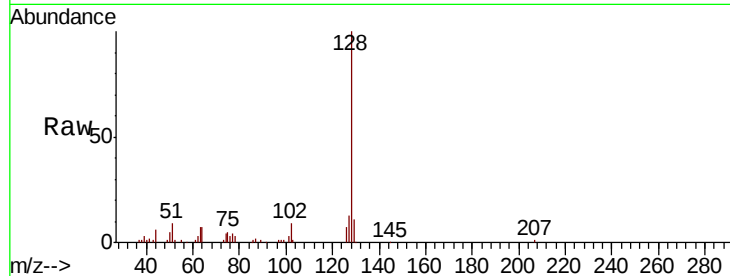
#95
Naphthalene
Concen: 80.26 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion:	128	Resp:	76434
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.0	15.0
129	11.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 26.71 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:	180	Resp:	14239
Ion Ratio	Lower	Upper	
180	100		
182	88.3	48.6	145.8
145	30.1	13.6	40.8

