

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063093.D
 Acq On : 15 Jul 2019 20:59
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:14:51 AM

Quant Time: Jul 16 08:50:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	409747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	580651	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	525894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	304635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	226624	44.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.80%	
35) Dibromofluoromethane	6.91	113	213850	36.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.96%	
50) Toluene-d8	10.40	98	414840	33.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.78%	
62) 4-Bromofluorobenzene	13.55	95	234780	40.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	164181	37.484	ug/l	97
3) Chloromethane	1.74	50	155761	41.413	ug/l #	87
4) Vinyl Chloride	1.84	62	141706	32.404	ug/l	96
5) Bromomethane	2.14	94	105721	64.359	ug/l	92
6) Chloroethane	2.26	64	86762	42.710	ug/l	99
7) Trichlorofluoromethane	2.53	101	338238	38.207	ug/l	93
8) Diethyl Ether	2.86	74	78144	62.751	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	197235	38.638	ug/l	98
10) Methyl Iodide	3.29	142	272585	43.497	ug/l	92
11) Tert butyl alcohol	4.07	59	101585	344.861	ug/l	98
12) 1,1-Dichloroethene	3.11	96	143716	39.647	ug/l	94
13) Acrolein	3.02	56	17896	201.293	ug/l	85
14) Allyl chloride	3.60	41	272772	47.880	ug/l	98
15) Acrylonitrile	4.18	53	225220	345.882	ug/l	94
16) Acetone	3.21	43	397824	322.697	ug/l	98
17) Carbon Disulfide	3.36	76	378246	36.455	ug/l	98
18) Methyl Acetate	3.63	43	128970	77.006	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	556317	60.797	ug/l	98
20) Methylene Chloride	3.80	84	214179	45.986	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	182598	45.377	ug/l	96
22) Diisopropyl ether	5.11	45	680949	54.975	ug/l	90
23) Vinyl Acetate	5.05	43	2334192	323.007	ug/l	99
24) 1,1-Dichloroethane	4.97	63	374224	49.047	ug/l	98
25) 2-Butanone	6.06	43	396310	336.645	ug/l	97
26) 2,2-Dichloropropane	6.00	77	386374	45.756	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	225058	49.166	ug/l	98
28) Bromochloromethane	6.42	49	96597	34.897	ug/l	92
29) Tetrahydrofuran	6.44	42	187950	352.198	ug/l	99
30) Chloroform	6.65	83	491696	52.327	ug/l	99
31) Cyclohexane	6.94	56	185777	38.233	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	434538	46.896	ug/l	99
36) 1,1-Dichloropropene	7.13	75	273112	41.821	ug/l	95
37) Ethyl Acetate	6.17	43	200355	71.687	ug/l	97
38) Carbon Tetrachloride	7.09	117	421783m	42.505	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	208475	36.925	ug/l	91
40) Benzene	7.44	78	627787	45.899	ug/l	97
41) Methacrylonitrile	6.43	41	237590	62.702	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	417999	57.363	ug/l	97
43) Isopropyl Acetate	9.23	43	255266	63.720	ug/l	100
44) Trichloroethene	8.52	130	244393	46.235	ug/l	99
45) 1,2-Dichloropropane	8.93	63	167777	49.200	ug/l	95
46) Dibromomethane	9.05	93	180837	61.711	ug/l	93
47) Bromodichloromethane	9.36	83	432217	56.522	ug/l #	97
48) Methyl methacrylate	9.11	41	173409	65.916	ug/l	90
49) 1,4-Dioxane	9.07	88	30823	1358.549	ug/l #	87
51) 4-Methyl-2-Pentanone	10.29	43	951150	357.975	ug/l	97
52) Toluene	10.50	92	424686	46.498	ug/l	96
53) t-1,3-Dichloropropene	10.90	75	368105	56.187	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	375378	55.414	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	189666	60.090	ug/l	93
56) Ethyl methacrylate	11.03	69	214577	60.845	ug/l	100
57) 1,3-Dichloropropane	11.40	76	264651	55.103	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	723802	368.604	ug/l	96
59) 2-Hexanone	11.52	43	654386	319.349	ug/l	97
60) Dibromochloromethane	11.67	129	362254	59.873	ug/l	96
61) 1,2-Dibromoethane	11.80	107	233801	61.883	ug/l	99
64) Tetrachloroethene	11.25	164	213470	41.833	ug/l	94
65) Chlorobenzene	12.39	112	593119	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	292963	51.114	ug/l	98
67) Ethyl Benzene	12.52	91	985309	45.872	ug/l	99
68) m/p-Xylenes	12.66	106	659125	85.674	ug/l	94
69) o-Xylene	13.04	106	360012	49.351	ug/l	96
70) Styrene	13.06	104	608270	47.636	ug/l	97
71) Bromoform	13.23	173	235206	58.617	ug/l	98
73) Isopropylbenzene	13.39	105	1054728	44.832	ug/l	95
74) N-amyl acetate	13.26	43	355129	54.126	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.69	83	242454	56.642	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	253554	54.107	ug/l	98
77) Bromobenzene	13.66	156	323126	48.433	ug/l	82
78) n-propylbenzene	13.77	91	1074548	39.690	ug/l	98
79) 2-Chlorotoluene	13.84	91	692778	42.322	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	809865	39.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	68826	55.773	ug/l	90
82) 4-Chlorotoluene	13.95	91	825382	43.180	ug/l	96
83) tert-Butylbenzene	14.18	119	992897	42.827	ug/l	86
84) 1,2,4-Trimethylbenzene	14.23	105	890956	43.585	ug/l	99
85) sec-Butylbenzene	14.36	105	1032255	41.906	ug/l	95
86) p-Isopropyltoluene	14.49	119	1000373	43.534	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	550937	46.241	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	569352	49.846	ug/l	97
89) n-Butylbenzene	14.79	91	901452	42.561	ug/l	99
90) Hexachloroethane	15.00	117	264612	43.075	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	530611	50.013	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	48967	59.682	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	351668	44.120	ug/l	96
94) Hexachlorobutadiene	16.03	225	264762	45.065	ug/l	98
95) Naphthalene	16.12	128	641161	54.991	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	293077	45.708	ug/l	99

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

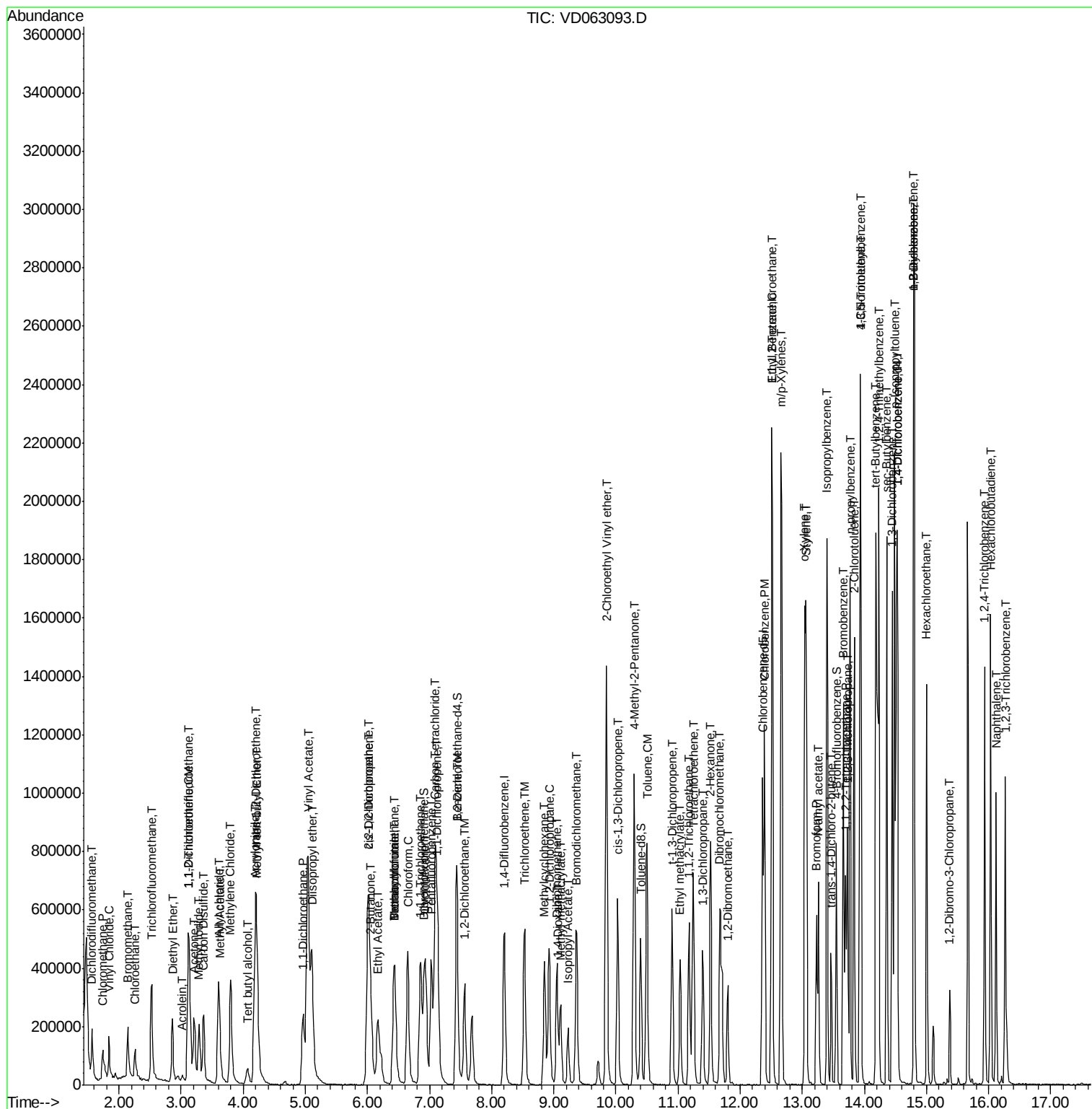
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Data File : VD063093.D
Acq On : 15 Jul 2019 20:59
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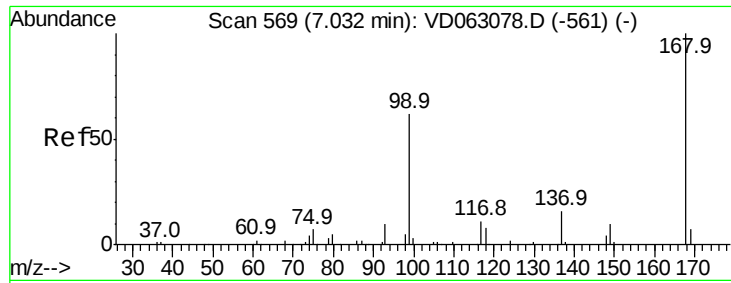
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 409747

Ion Ratio Lower Upper

168 100

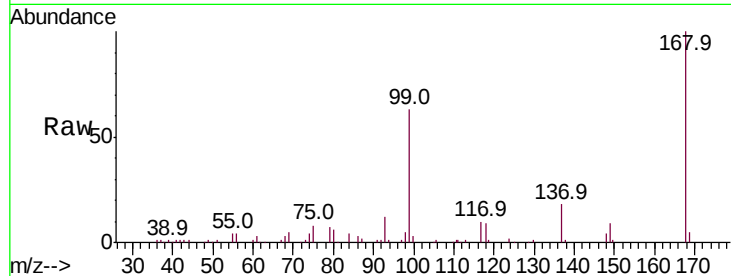
99 63.0 50.8 76.2

Manual Integrations

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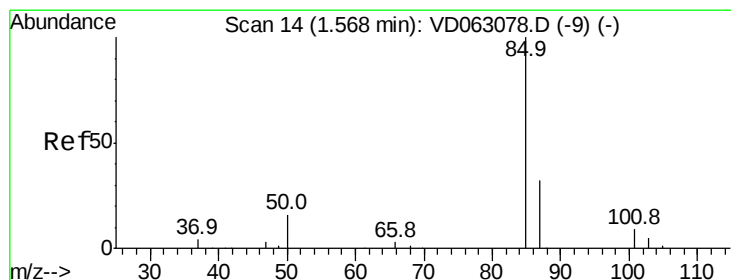
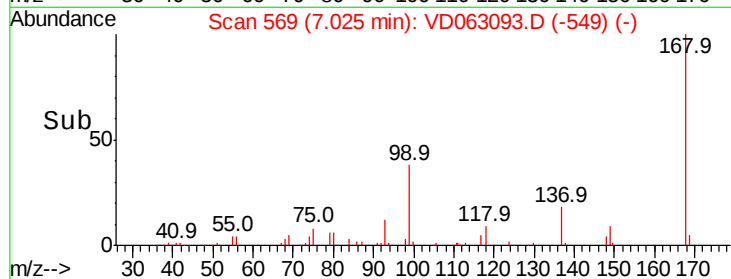
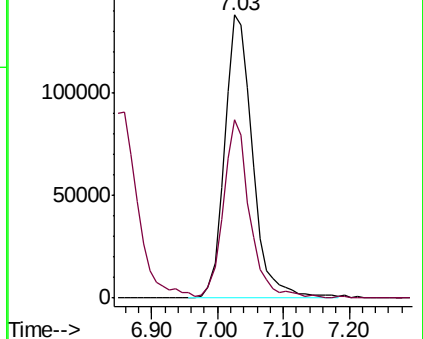
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 37.484 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.01 min

Lab File: VD063093.D

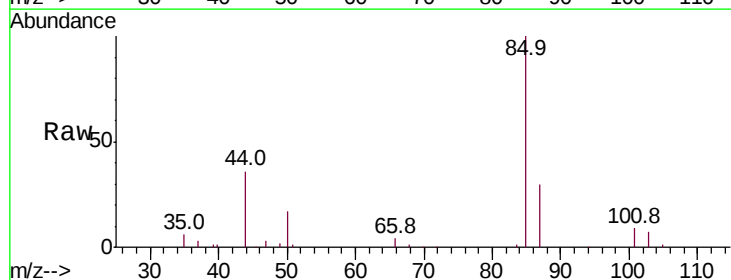
Acq: 15 Jul 2019 20:59

Tgt Ion: 85 Resp: 164181

Ion Ratio Lower Upper

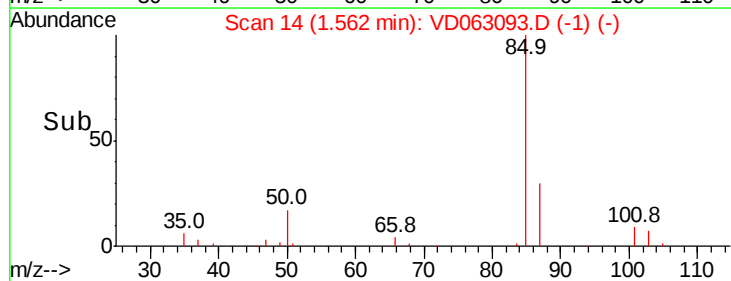
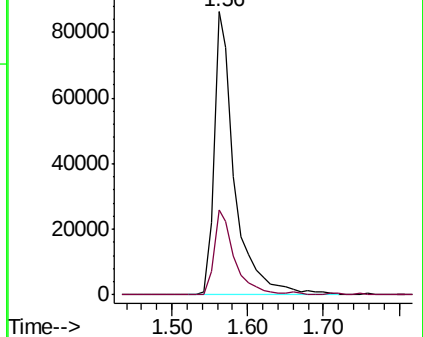
85 100

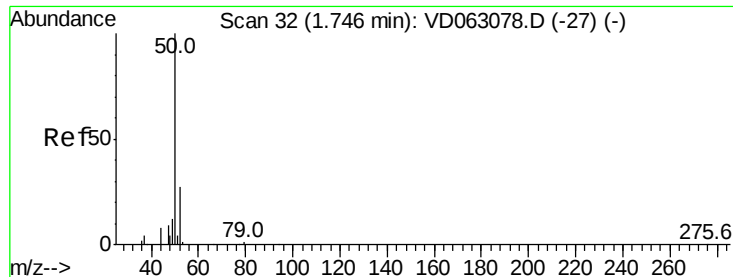
87 30.2 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.413 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 155761

Ion Ratio Lower Upper

50 100

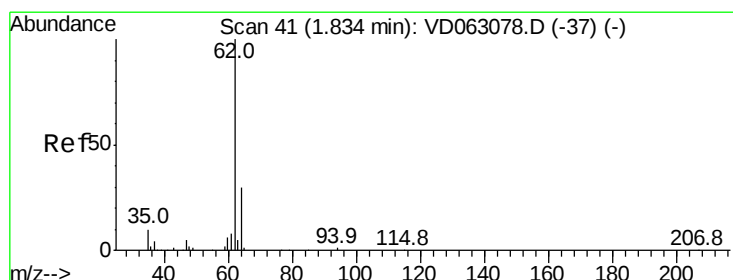
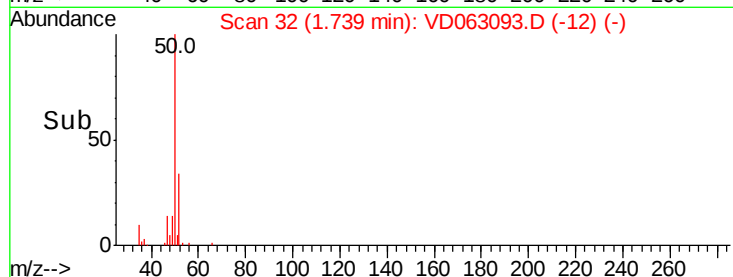
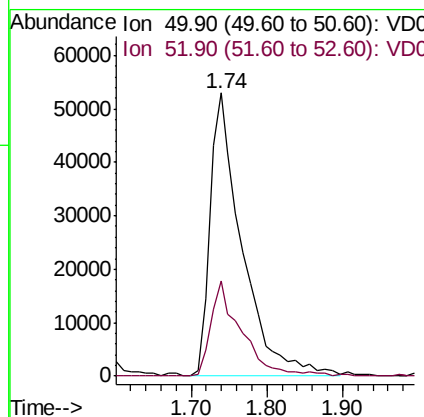
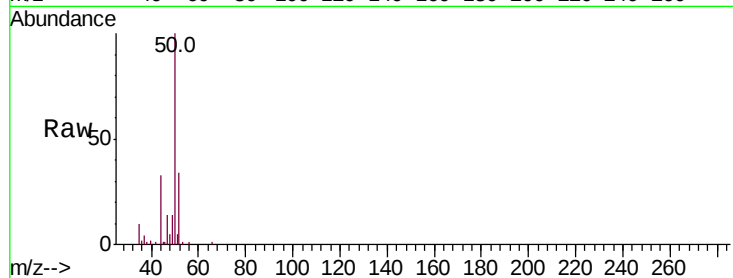
52 33.5 21.4 32.2#

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#4

Vinyl Chloride

Concen: 32.404 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063093.D

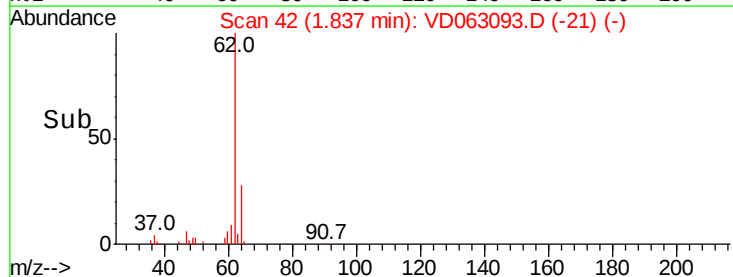
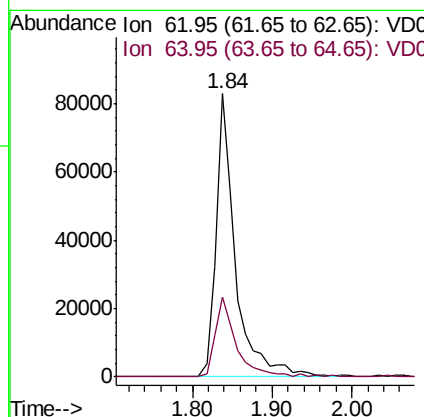
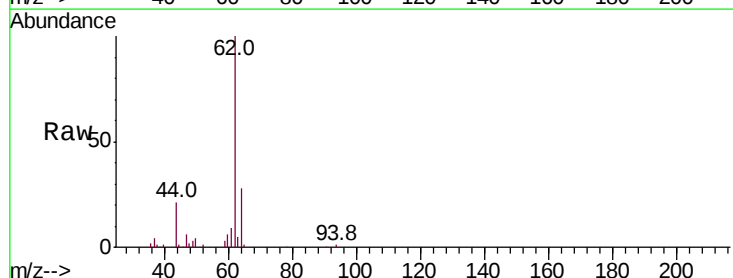
Acq: 15 Jul 2019 20:59

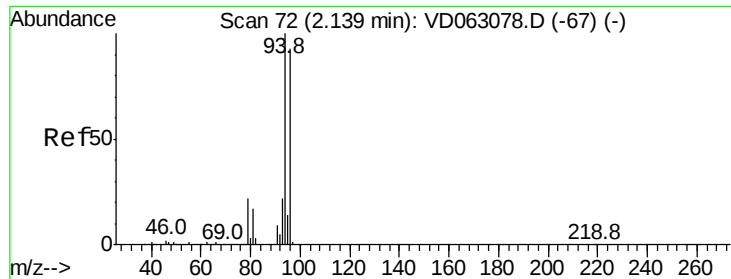
Tgt Ion: 62 Resp: 141706

Ion Ratio Lower Upper

62 100

64 28.1 24.4 36.6





#5

Bromomethane

Concen: 64.359 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

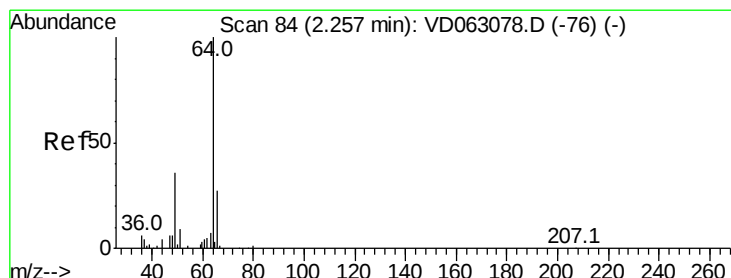
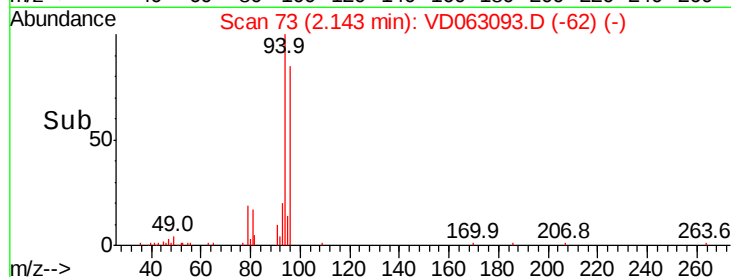
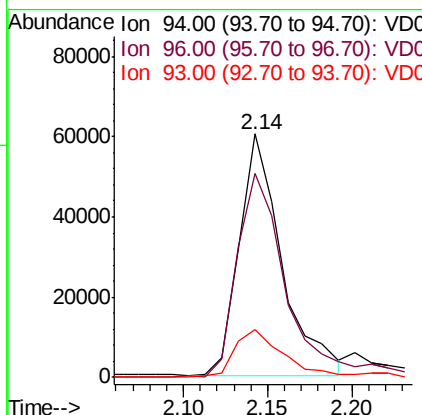
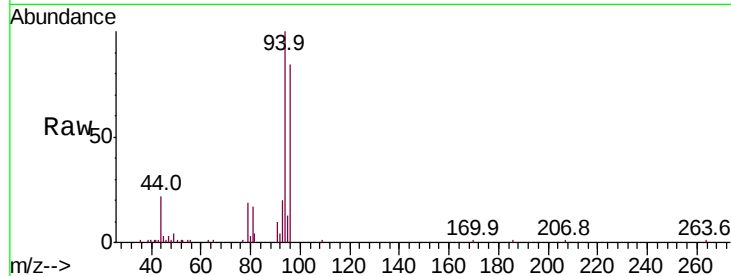
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	105721
Ion Ratio	Lower	Upper	
94	100		
96	84.0	74.2	111.2
93	19.7	17.8	26.6

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#6

Chloroethane

Concen: 42.710 ug/l

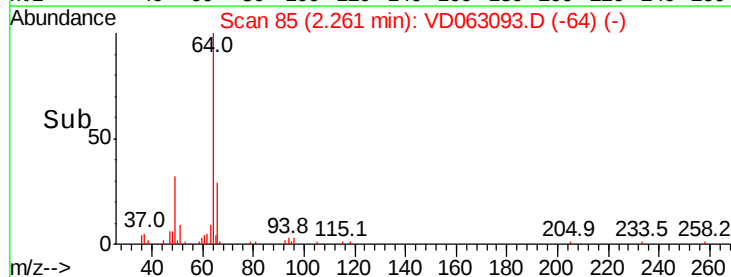
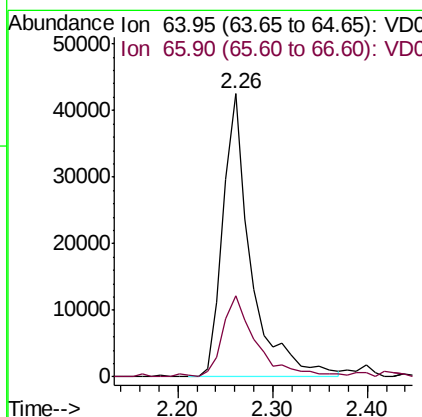
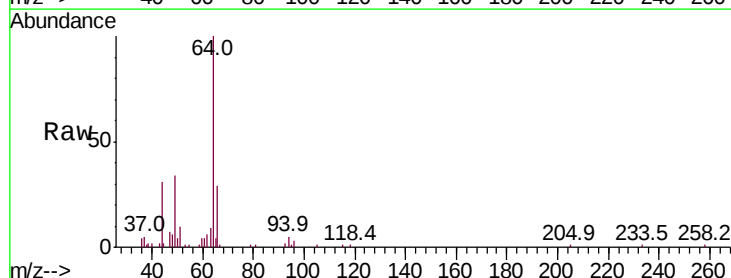
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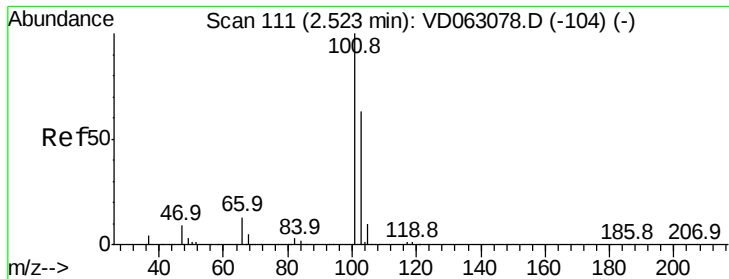
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	64	Resp:	86762
Ion Ratio	Lower	Upper	
64	100		
66	28.9	22.5	33.7





#7

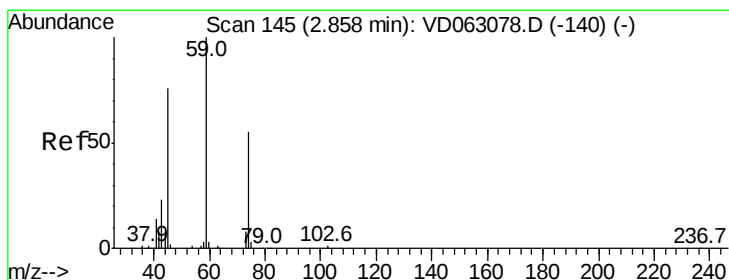
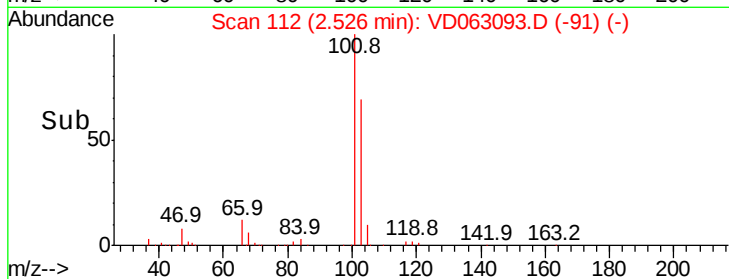
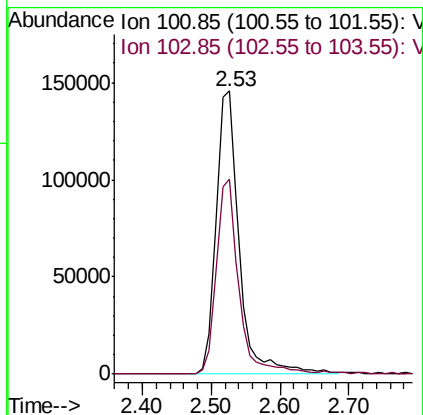
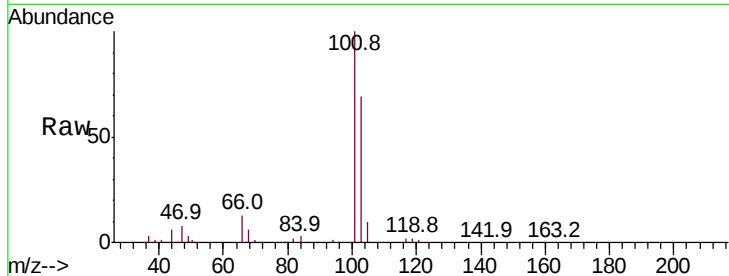
Trichlorofluoromethane
 Concen: 38.207 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	338238		
103	68.9	50.6	76.0	

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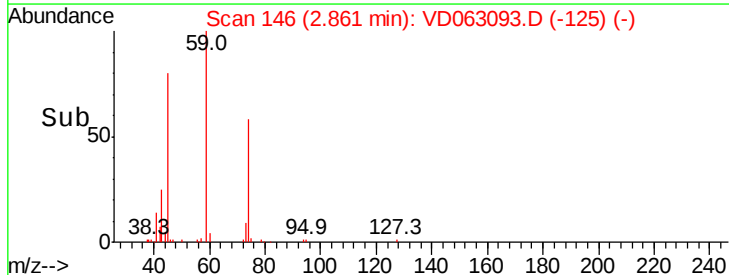
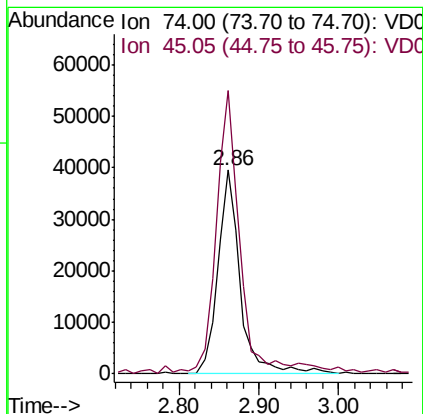
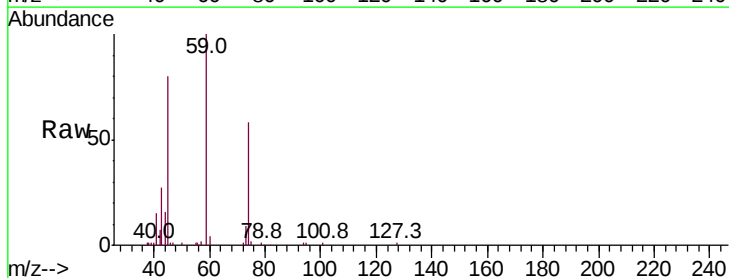
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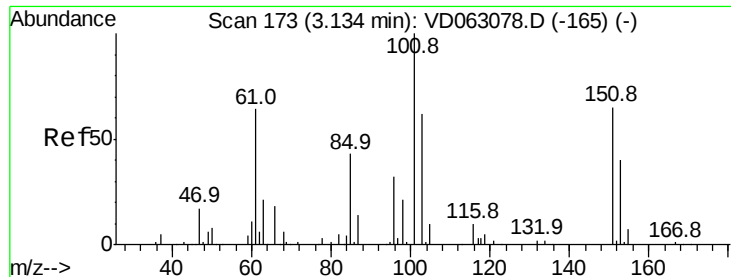


#8

Diethyl Ether
 Concen: 62.751 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	78144		
45	138.8	69.5	208.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.638 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

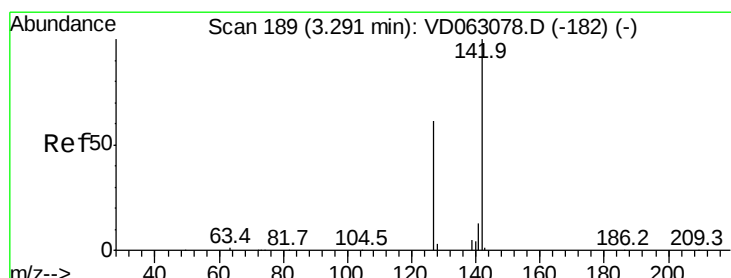
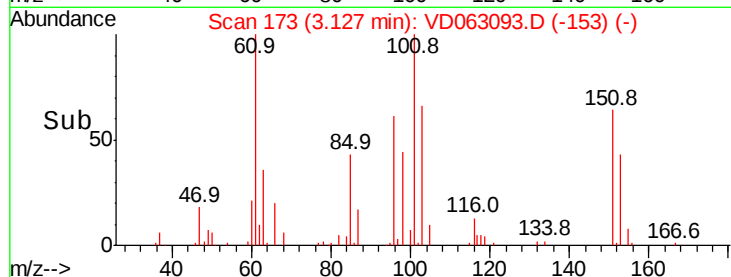
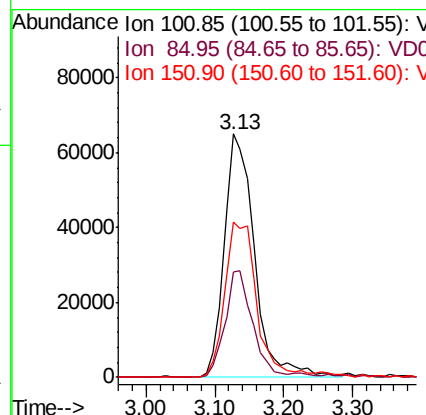
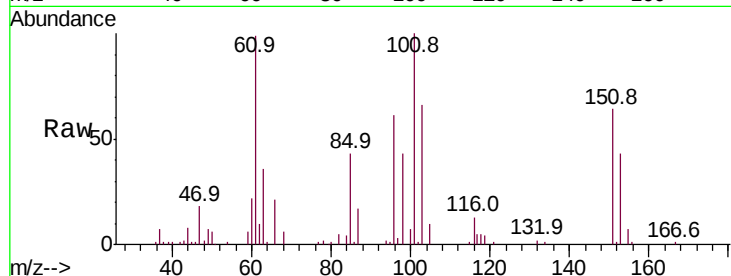
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	197235
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.6	51.8
151	63.6	52.4	78.6

Manual Integrations
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#10

Methyl Iodide

Concen: 43.497 ug/l

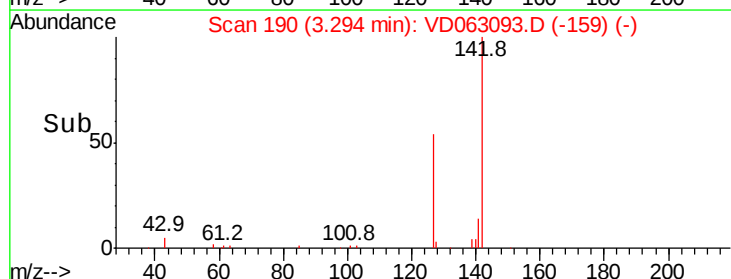
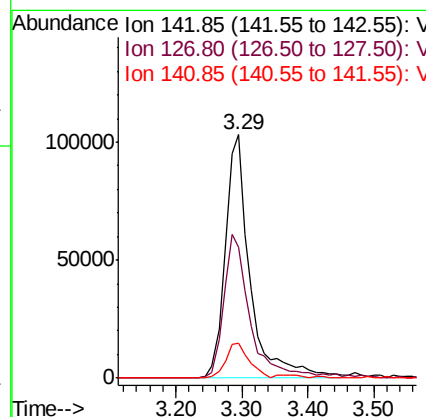
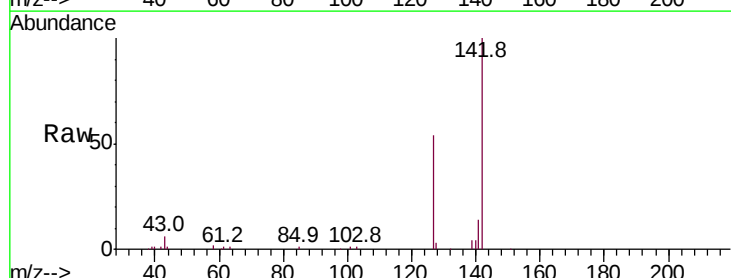
RT: 3.29 min Scan# 190

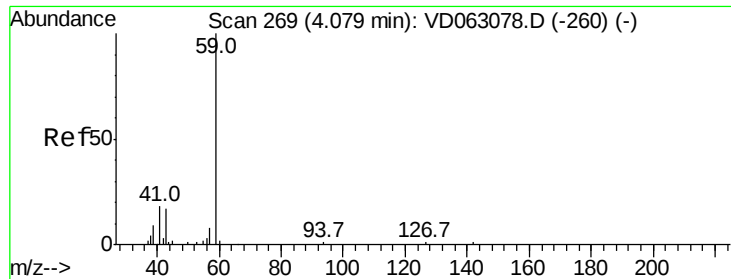
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	142	Resp:	272585
Ion Ratio	Lower	Upper	
142	100		
127	53.7	48.6	73.0
141	14.2	10.6	16.0





#11

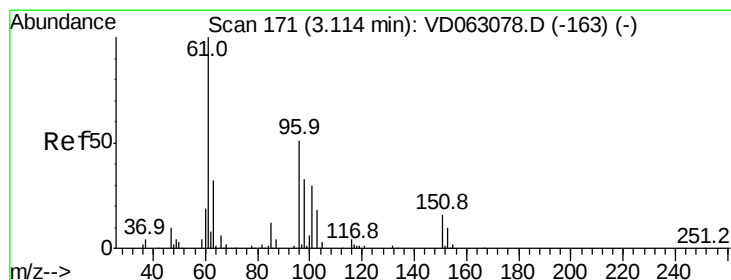
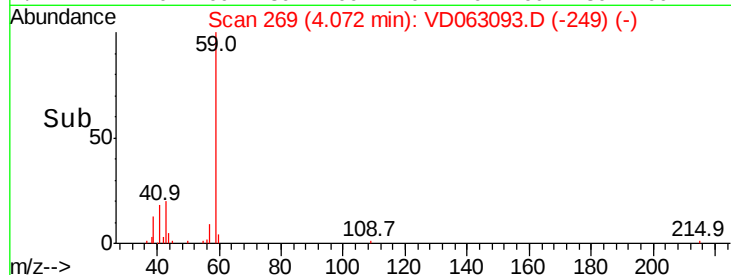
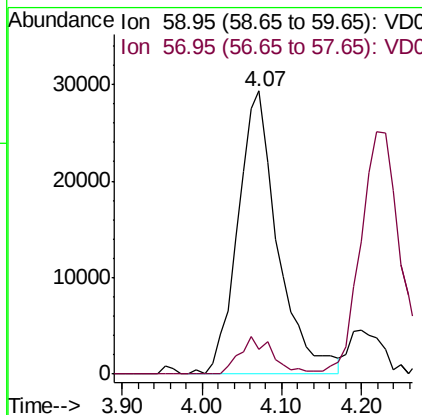
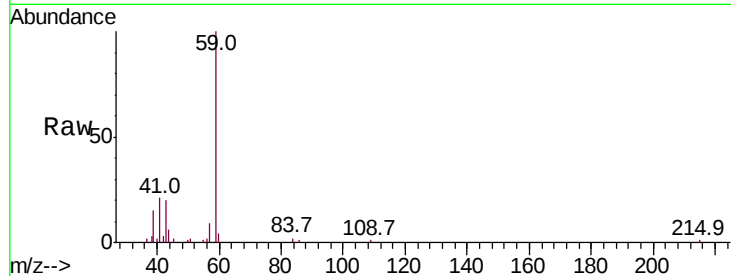
Tert butyl alcohol
 Concen: 344.861 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	101585		
57	8.8		6.4	9.6

Manual Integrations
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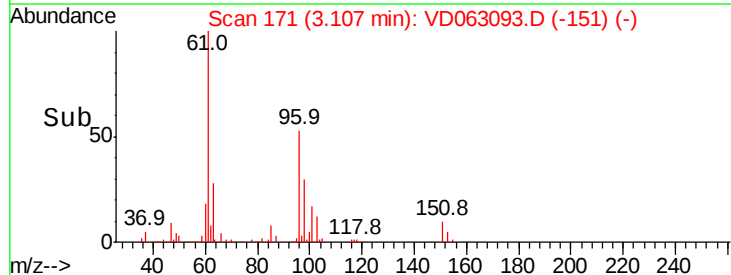
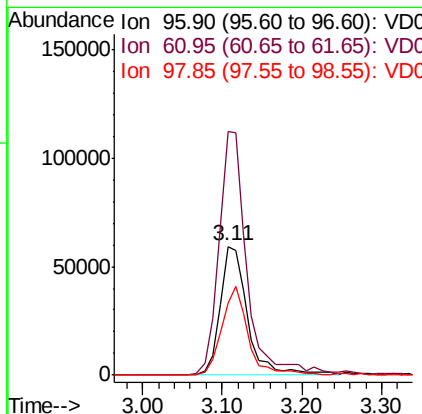
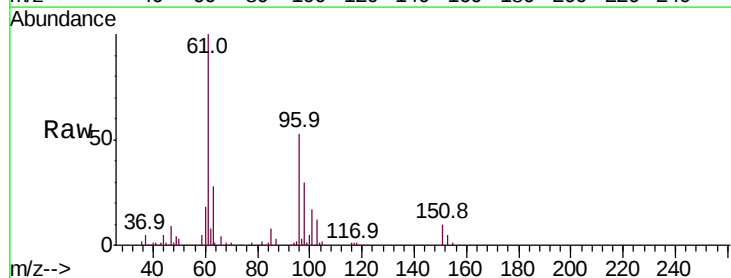
MMDadoda
 7/16/2019 9:14:51 AM

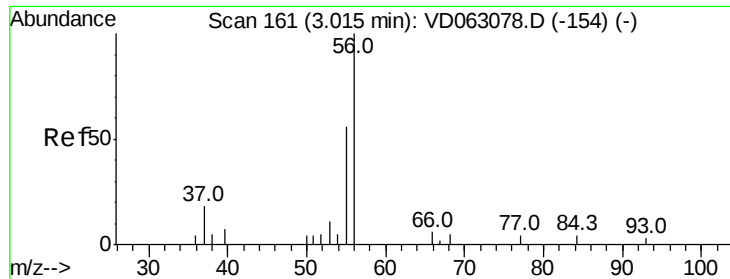


#12

1,1-Dichloroethene
 Concen: 39.647 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143716		
61	188.8		155.5	233.3
98	55.7		51.5	77.3





#13

Acrolein

Concen: 201.293 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 17896

Ion Ratio Lower Upper

56 100

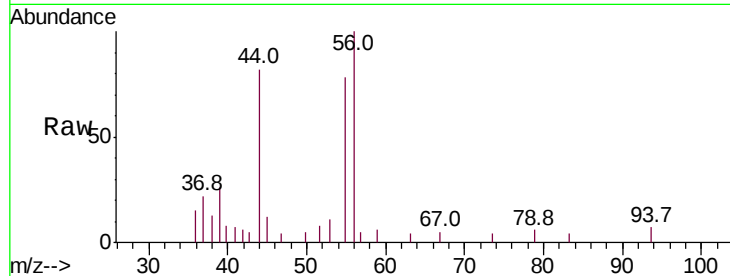
55 78.5 53.0 79.4

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

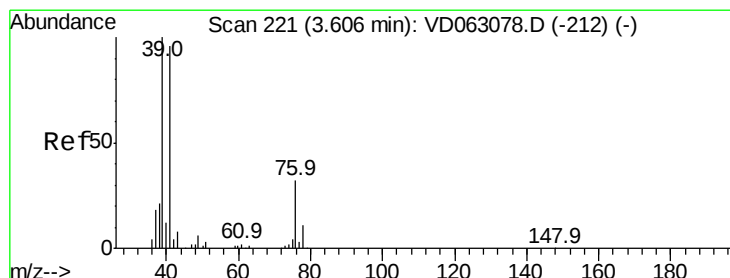
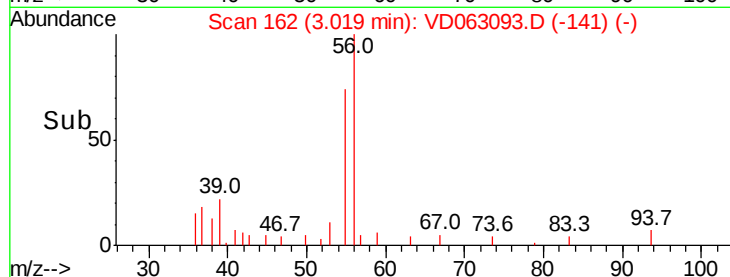
4000

2000

0

3.00 3.10

Time-->



#14

Allyl chloride

Concen: 47.880 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

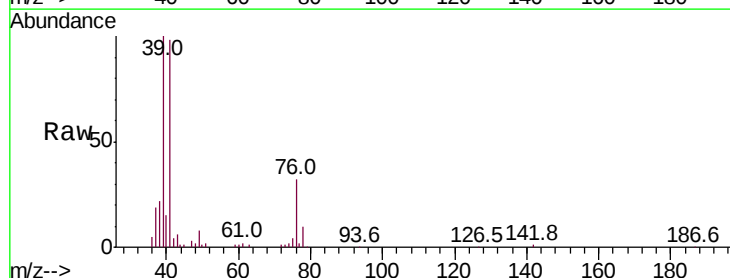
Tgt Ion: 41 Resp: 272772

Ion Ratio Lower Upper

41 100

39 102.3 83.5 125.3

76 33.2 27.8 41.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

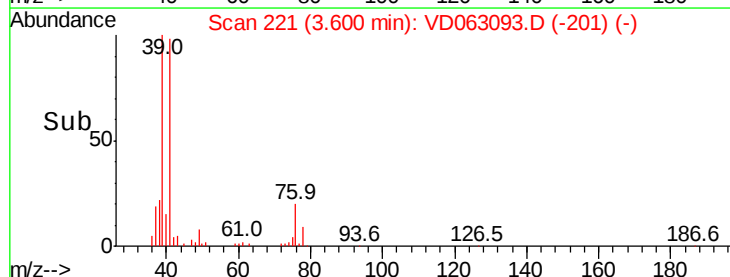
100000

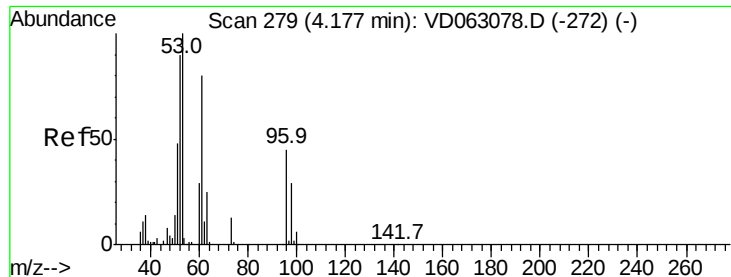
50000

0

3.50 3.60 3.70 3.80

Time-->





#15

Acrylonitrile

Concen: 345.882 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

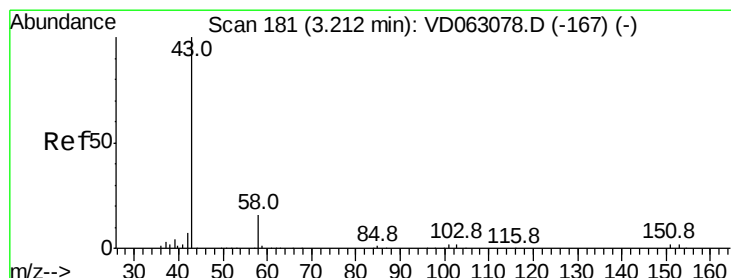
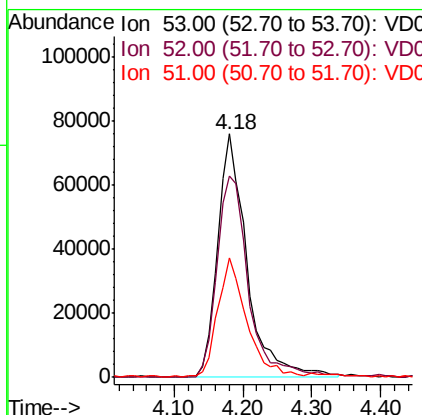
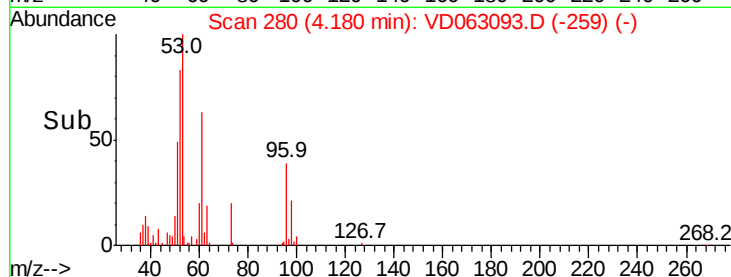
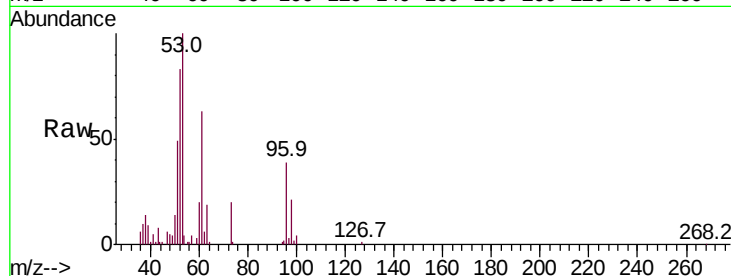
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	225220
Ion	Ratio	Lower	Upper
53	100		
52	82.6	72.3	108.5
51	49.3	38.0	57.0

Manual Integrations
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#16

Acetone

Concen: 322.697 ug/l

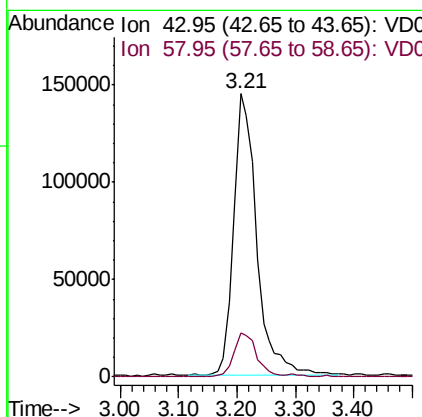
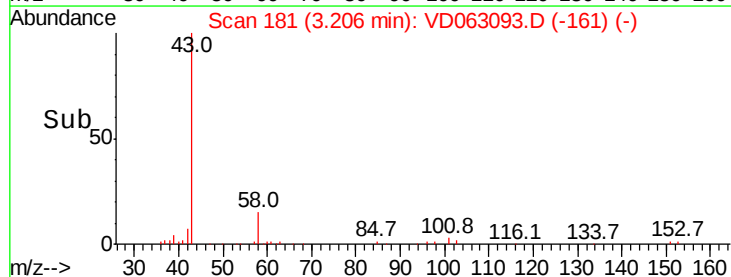
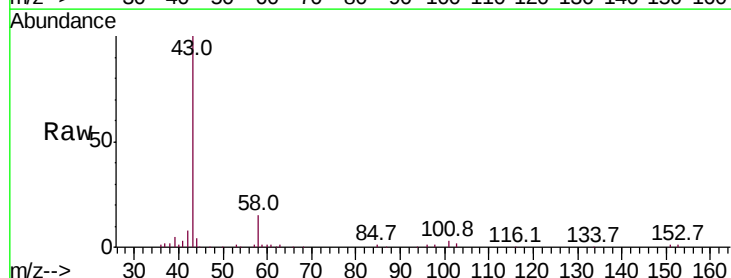
RT: 3.21 min Scan# 181

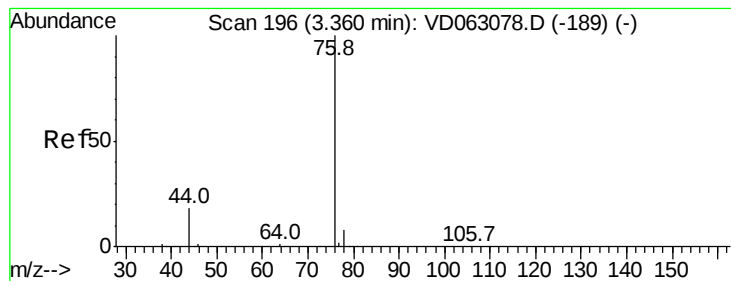
Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	43	Resp:	397824
Ion	Ratio	Lower	Upper
43	100		
58	15.4	13.0	19.4





#17

Carbon Disulfide

Concen: 36.455 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 378246

Ion Ratio Lower Upper

76 100

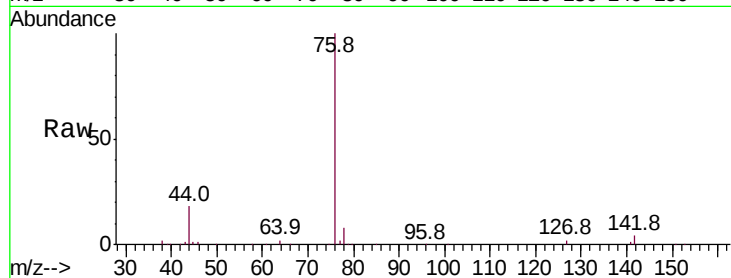
78 7.5 6.7 10.1

Manual Integrations

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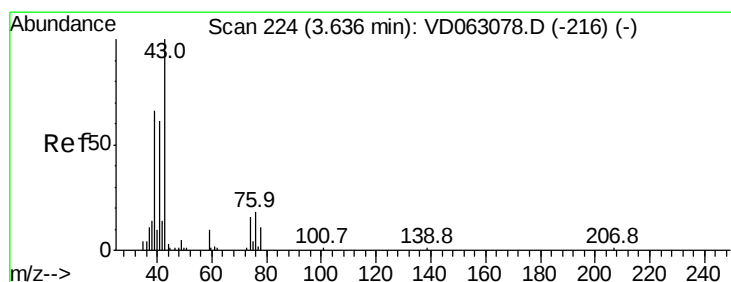
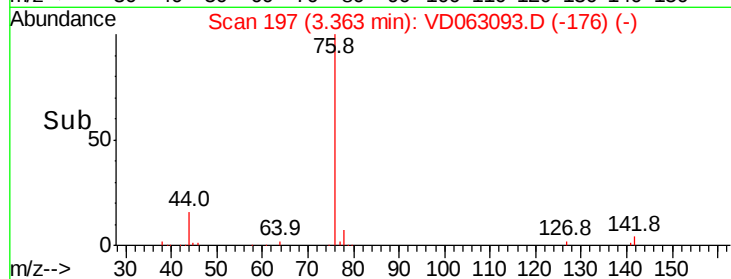
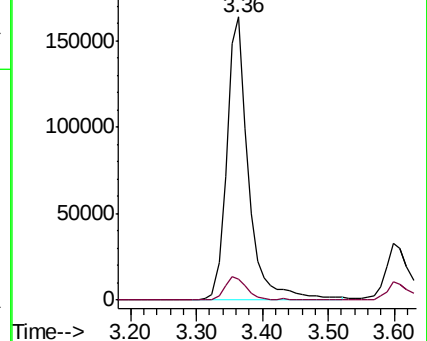
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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 77.006 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063093.D

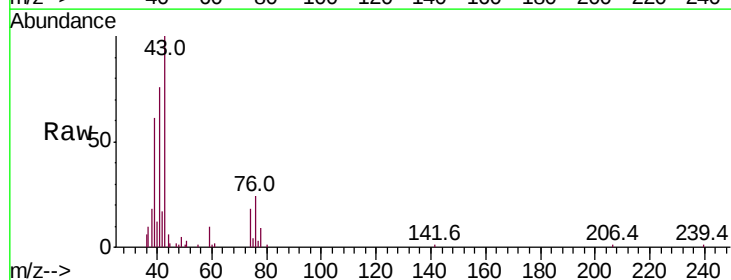
Acq: 15 Jul 2019 20:59

Tgt Ion: 43 Resp: 128970

Ion Ratio Lower Upper

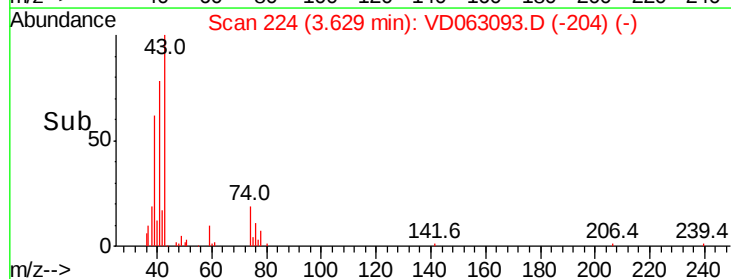
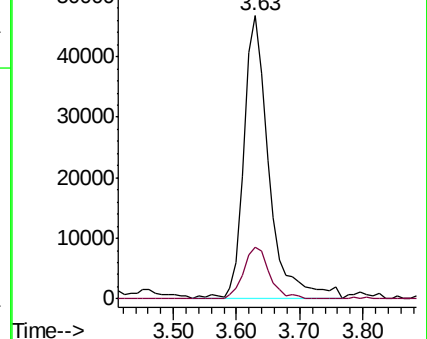
43 100

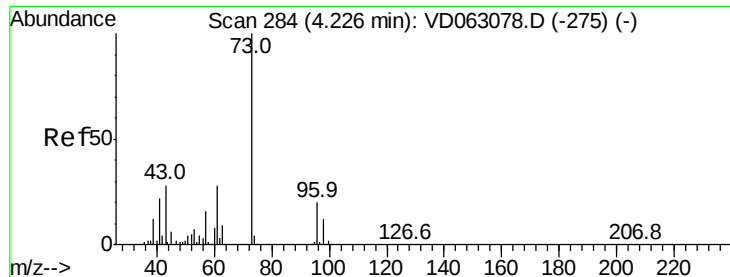
74 18.4 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

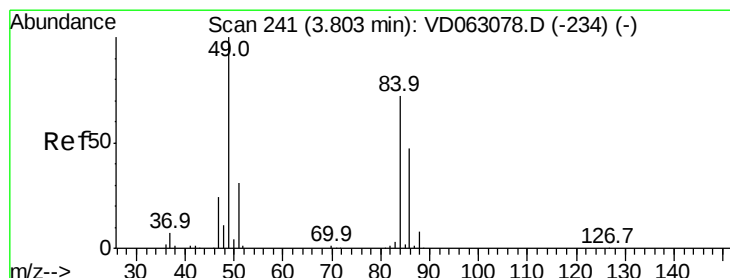
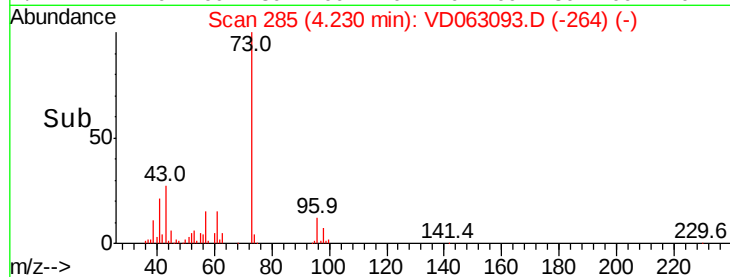
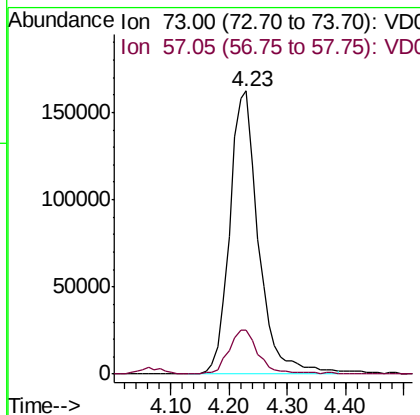
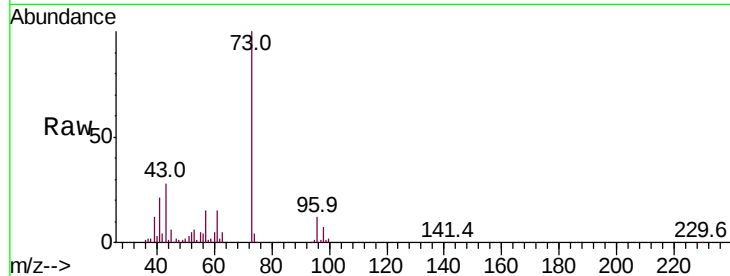
Methyl tert-butyl Ether
 Concen: 60.797 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.4	13.1	19.7

Manual Integrations
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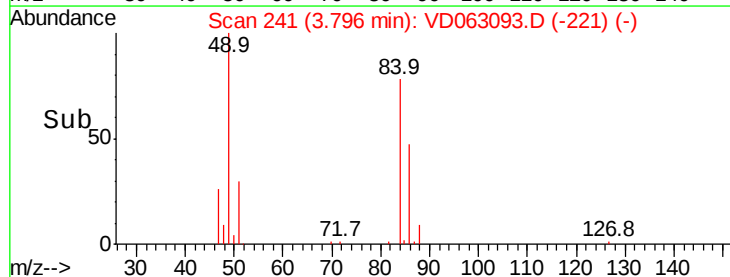
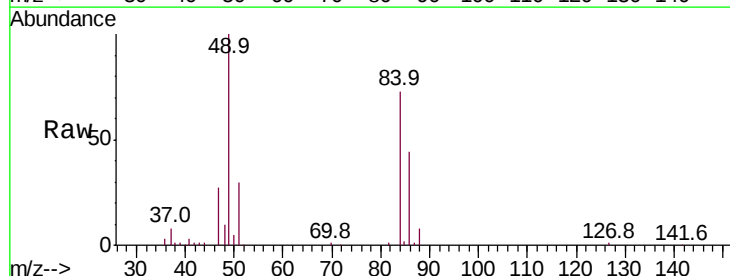
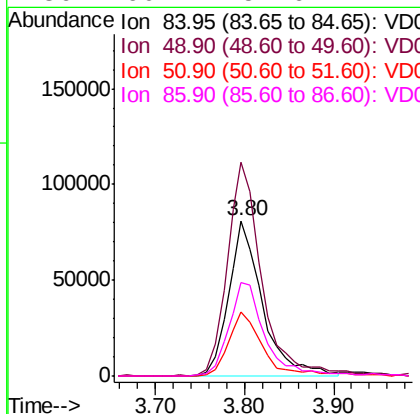
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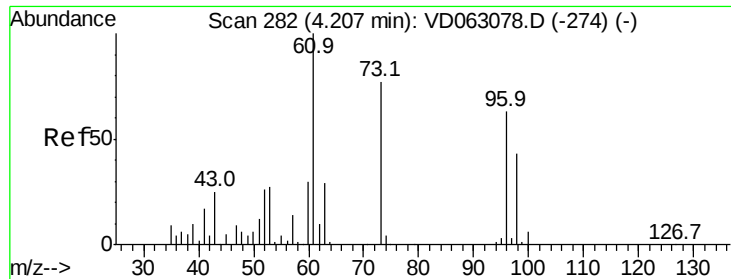


#20

Methylene Chloride
 Concen: 45.986 ug/l
 RT: 3.80 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.4	110.5	165.7
51	41.5	34.6	51.8
86	60.2	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 45.377 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 182598

Ion Ratio Lower Upper

96 100

61 167.2 128.0 192.0

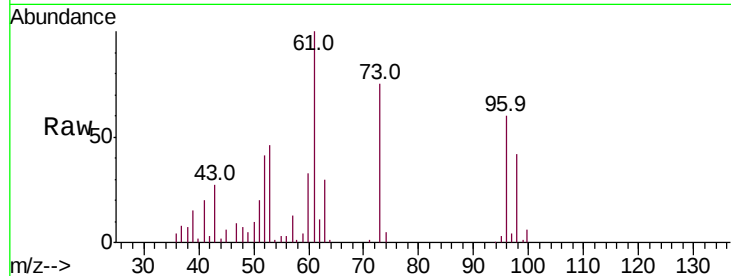
98 69.5 55.2 82.8

Manual Integrations

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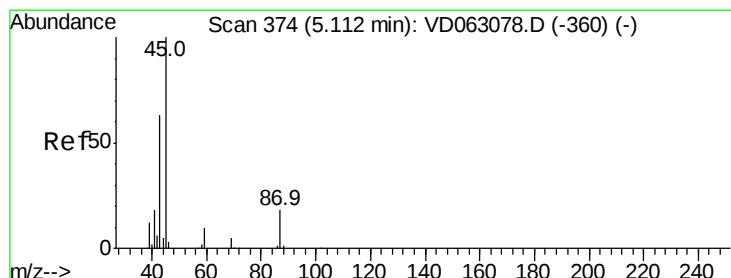
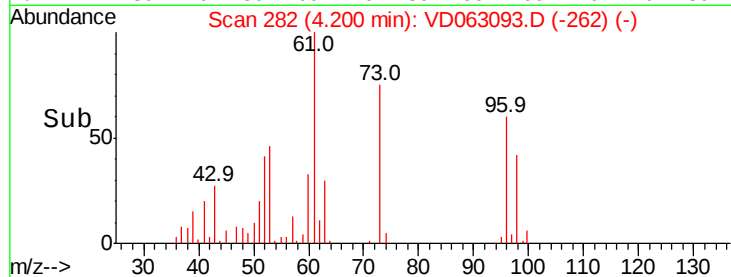


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

100000
50000
0

4.20

Time-->



#22

Diisopropyl ether

Concen: 54.975 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion: 45 Resp: 680949

Ion Ratio Lower Upper

45 100

43 72.8 50.5 75.7

87 16.9 15.1 22.7

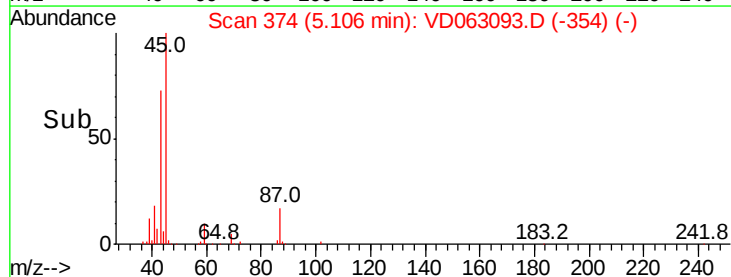
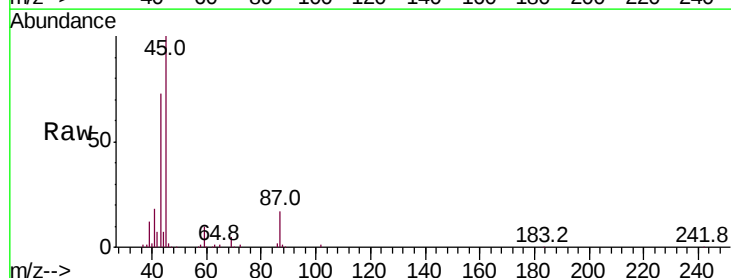
59 10.2 7.6 11.4

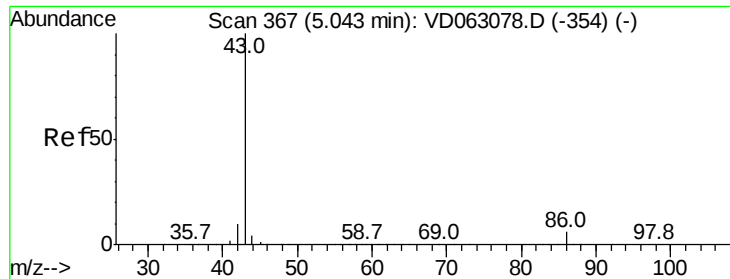
Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

800000
600000
400000
200000
0

5.11

Time-->





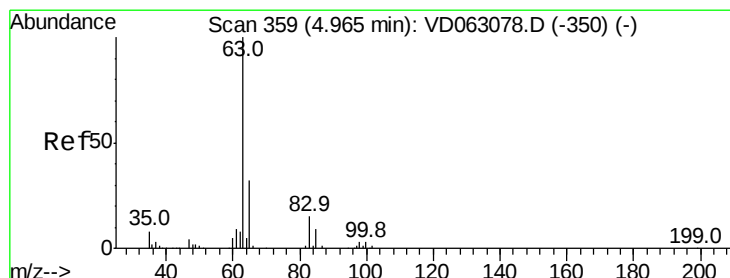
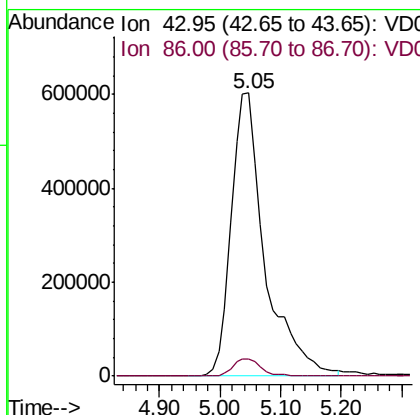
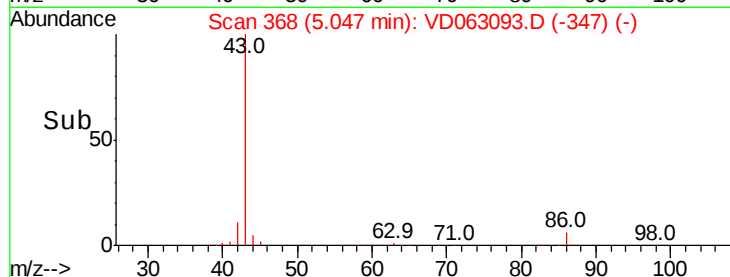
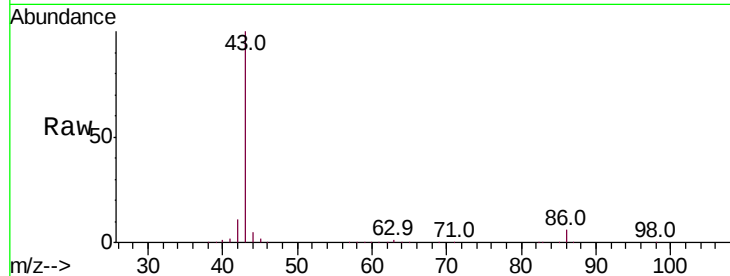
#23
 Vinyl Acetate
 Concen: 323.007 ug/l
 RT: 5.05 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2334192
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.0 7.6

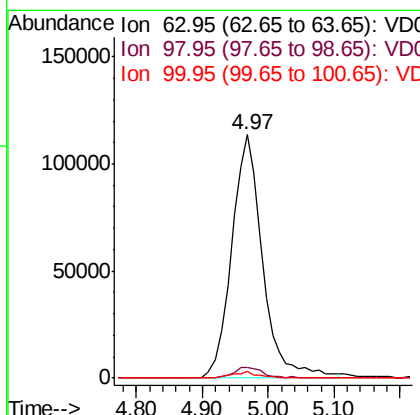
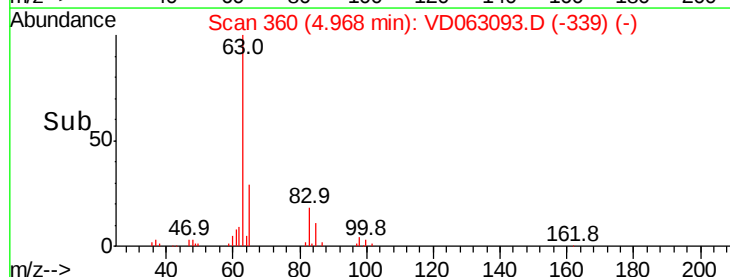
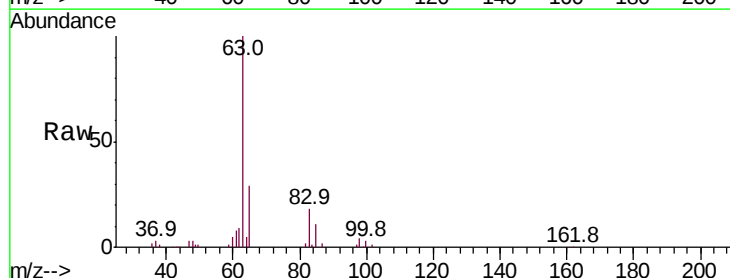
Manual Integrations
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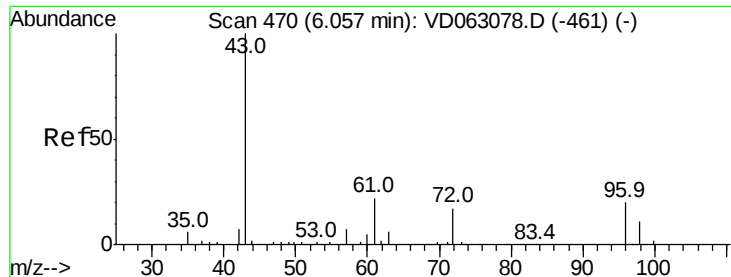
MMDadoda
 7/16/2019 9:14:51 AM



#24
 1,1-Dichloroethane
 Concen: 49.047 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 63 Resp: 374224
 Ion Ratio Lower Upper
 63 100
 98 4.5 1.7 5.1
 100 2.6 1.5 4.5





#25

2-Butanone

Concen: 336.645 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 396310

Ion Ratio Lower Upper

43 100

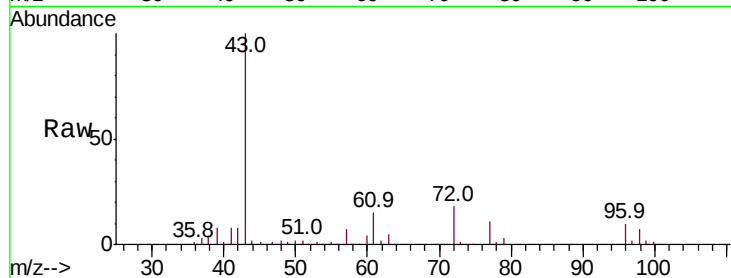
72 17.9 13.4 20.0

Manual Integrations

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MMDadoda

7/16/2019 9:14:51 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

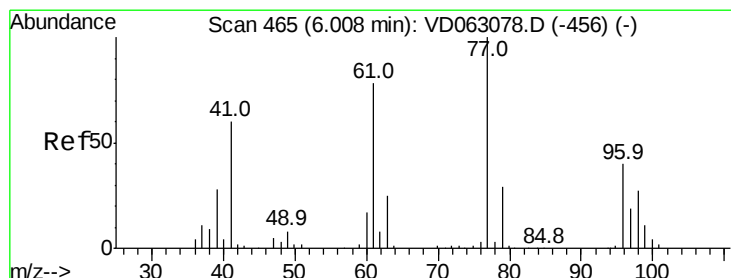
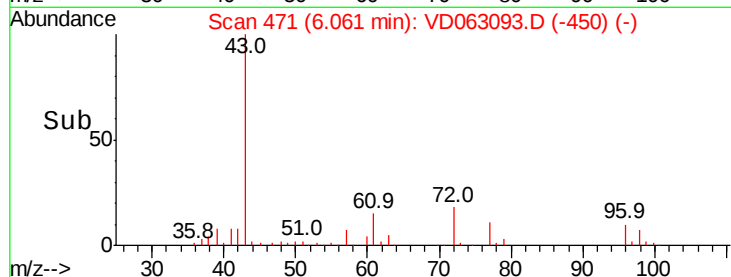
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#26

2,2-Dichloropropane

Concen: 45.756 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD063093.D

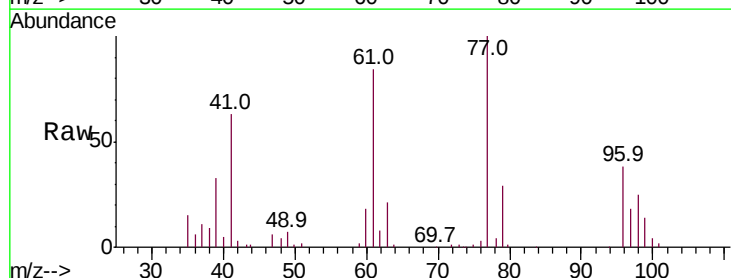
Acq: 15 Jul 2019 20:59

Tgt Ion: 77 Resp: 386374

Ion Ratio Lower Upper

77 100

97 18.1 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

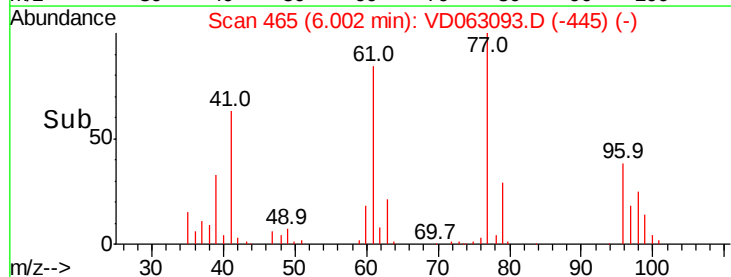
60000

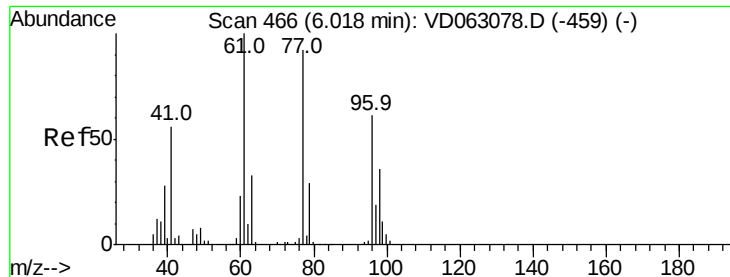
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#27

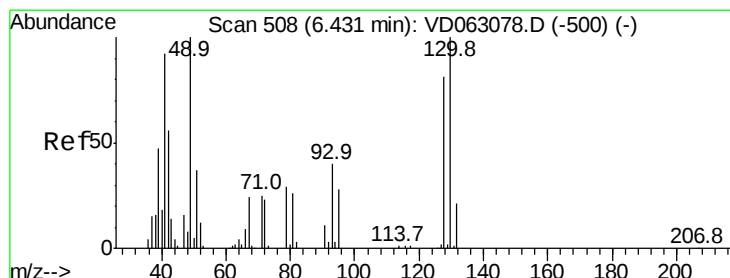
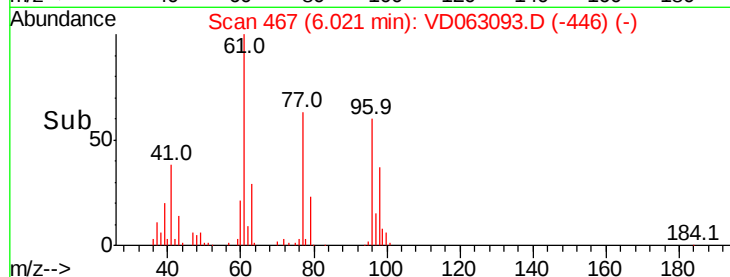
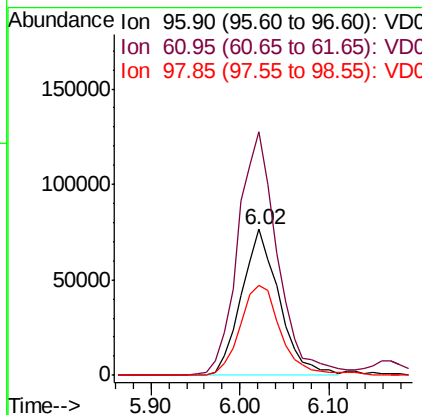
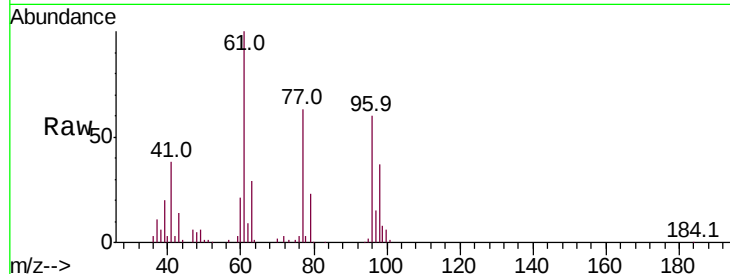
cis-1,2-Dichloroethene
Concen: 49.166 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	167.0	0.0	329.6	
98	61.7	0.0	118.4	

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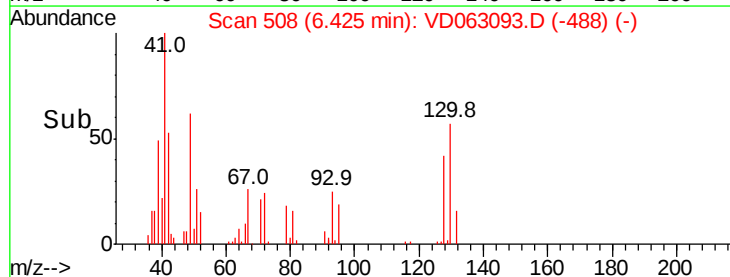
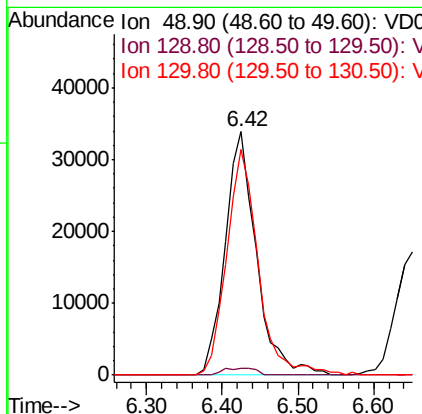
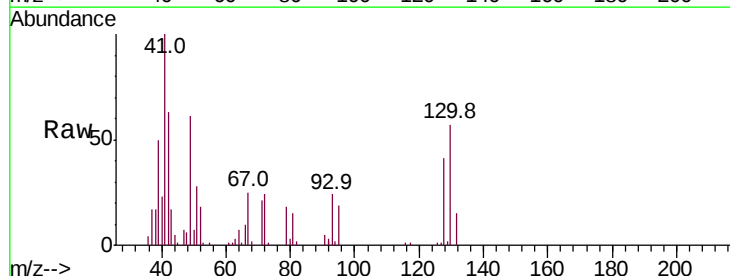
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7/16/2019 9:14:51 AM

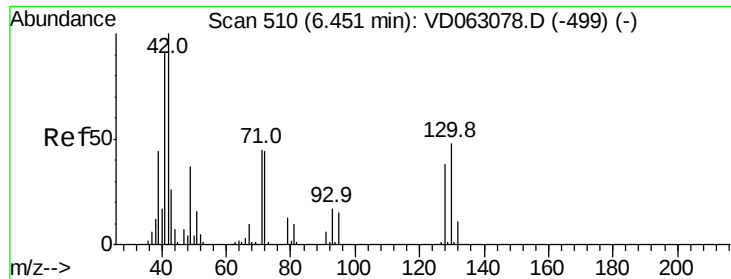


#28

Bromochloromethane
Concen: 34.897 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	3.6	
130	92.6	80.3	120.5	





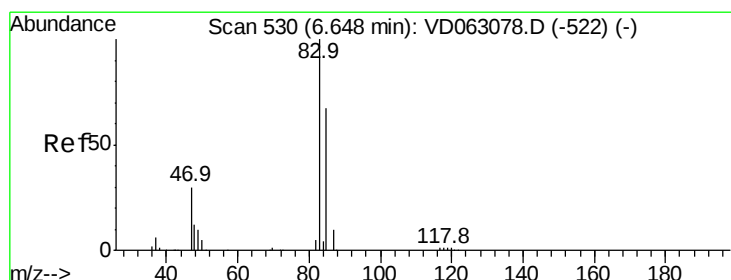
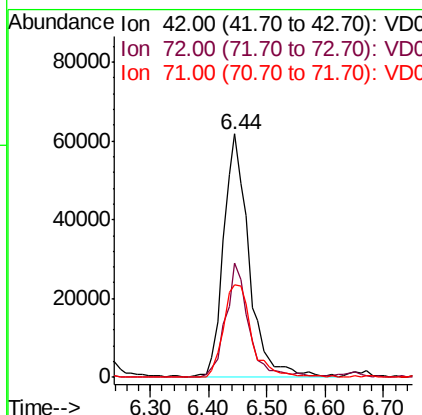
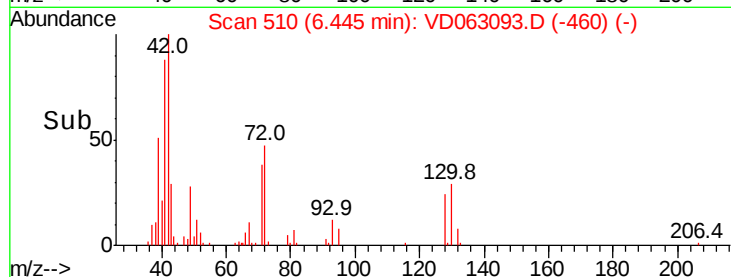
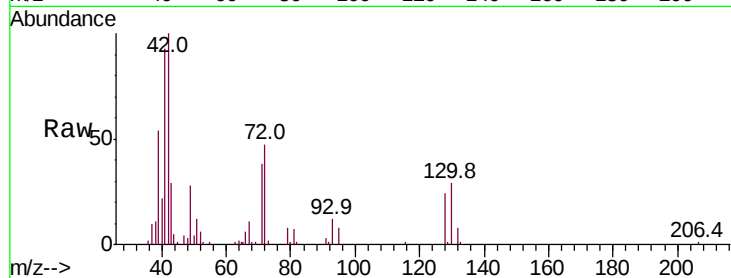
#29
Tetrahydrofuran
Concen: 352.198 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	42.3	34.2	51.2

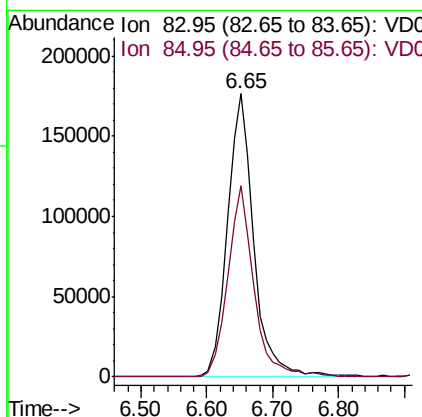
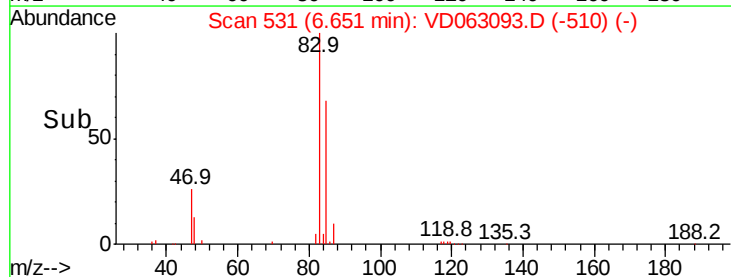
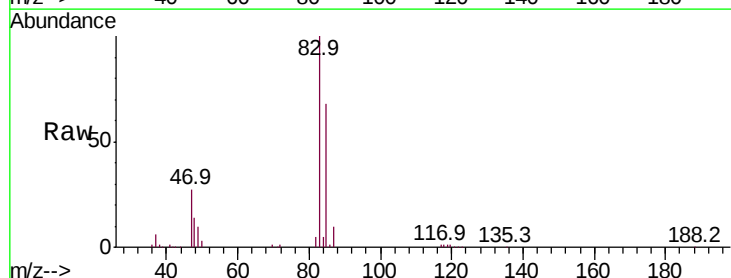
Manual Integrations
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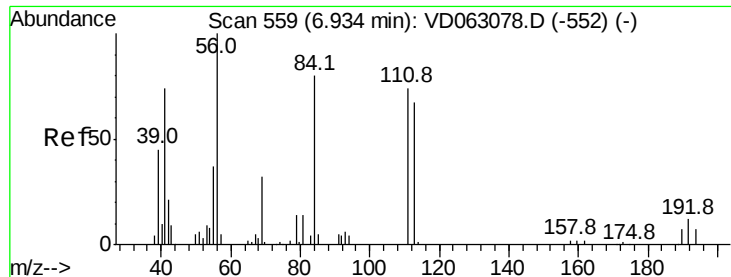
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#30
Chloroform
Concen: 52.327 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.8	80.8





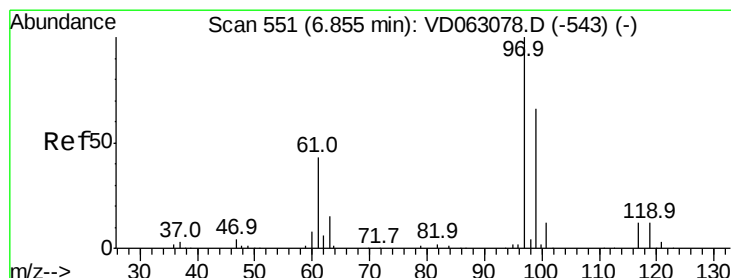
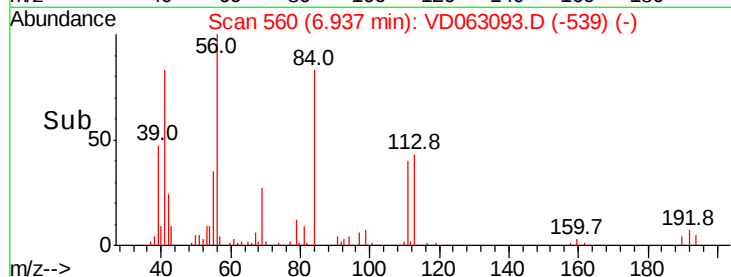
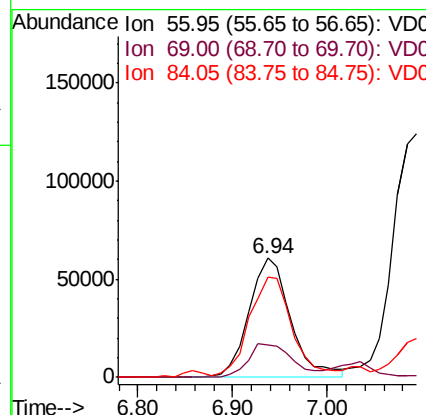
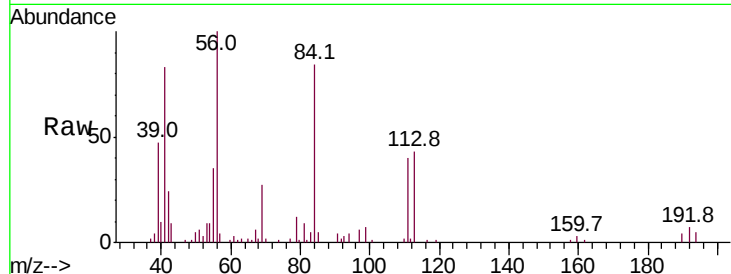
#31
Cyclohexane
Concen: 38.233 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	25.3	37.9
84	84.1	64.2	96.4

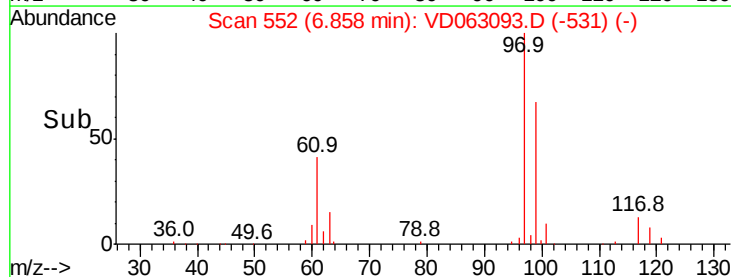
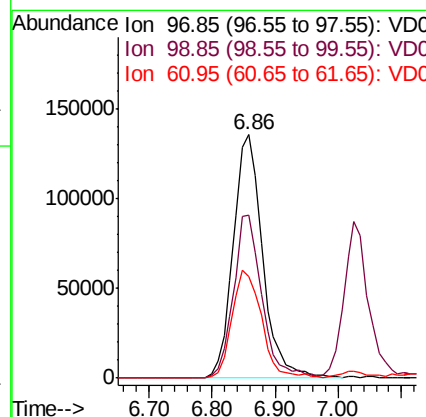
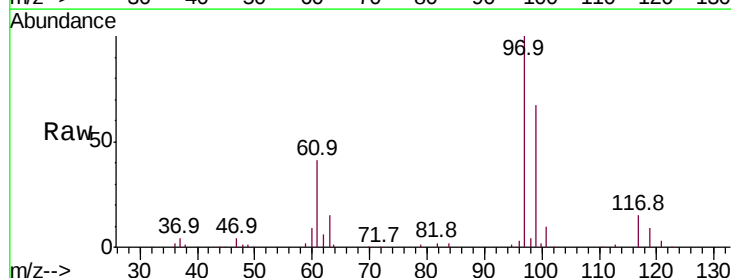
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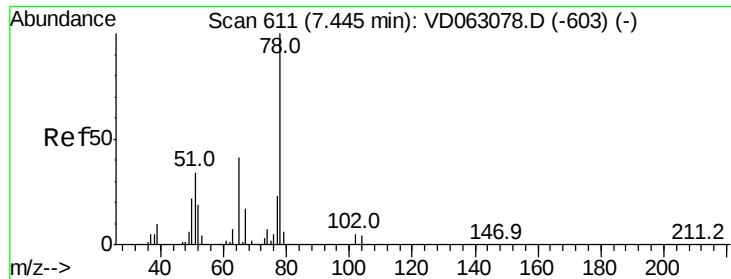
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#32
1,1,1-Trichloroethane
Concen: 46.896 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	52.9	79.3
61	41.5	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 44.400 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 226624

Ion Ratio Lower Upper

65 100

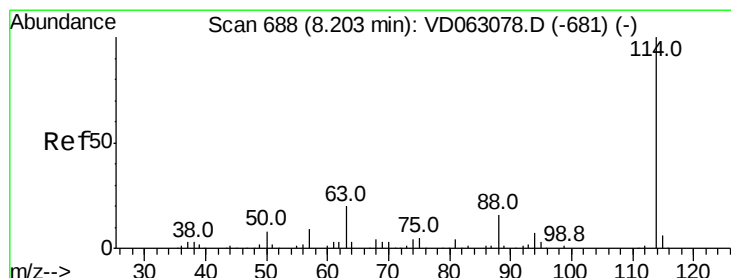
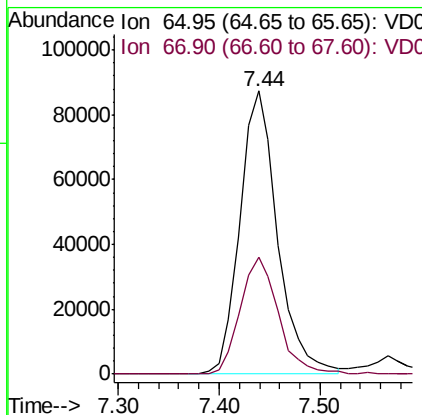
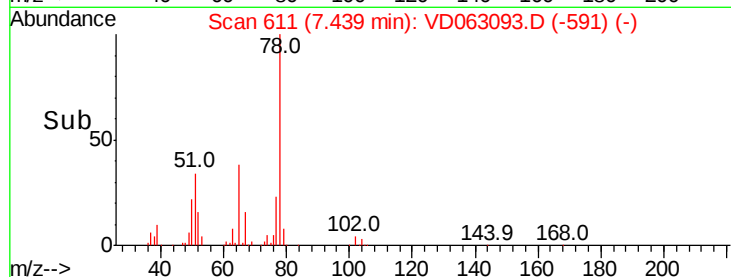
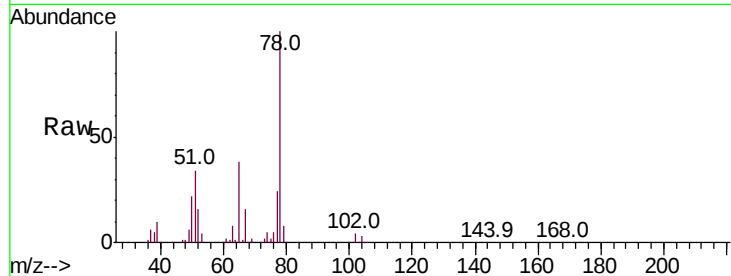
67 41.4 0.0 86.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

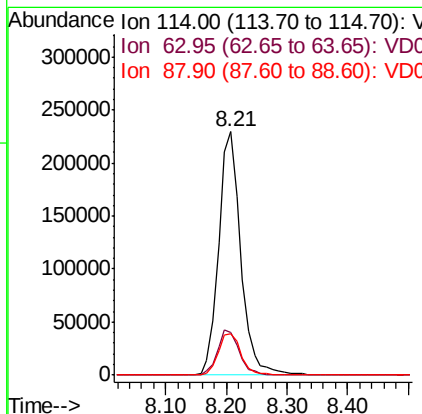
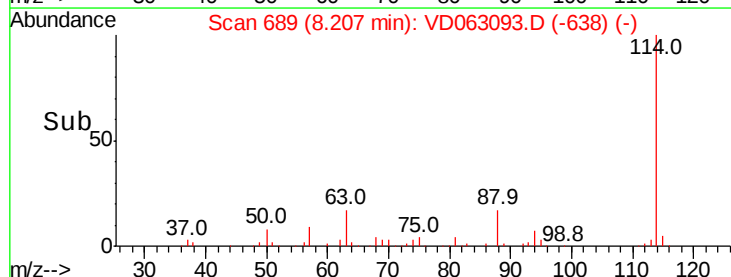
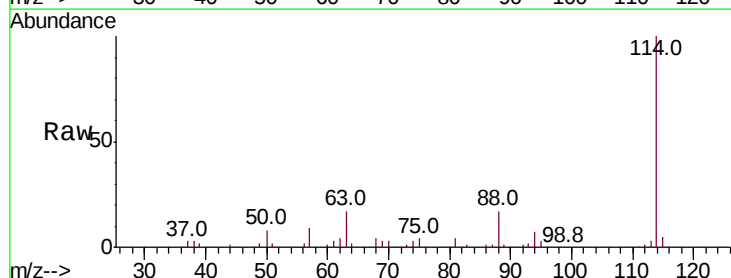
Tgt Ion: 114 Resp: 580651

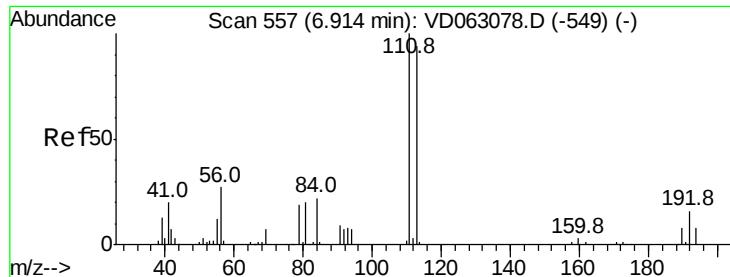
Ion Ratio Lower Upper

114 100

63 17.4 0.0 40.6

88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 36.976 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

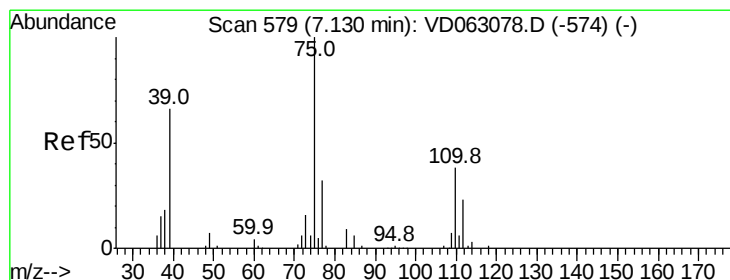
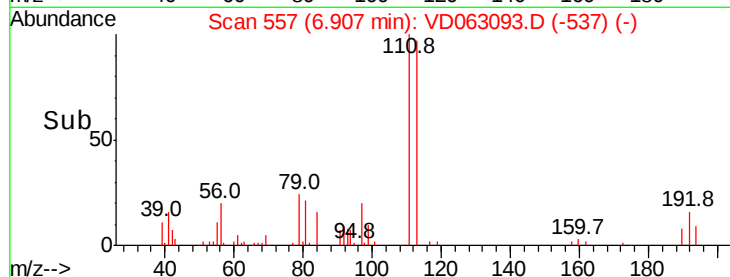
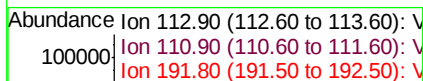
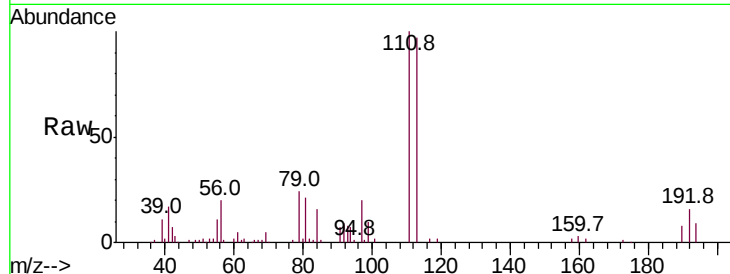
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	213850
Ion Ratio	Lower	Upper	
113	100		
111	102.8	84.8	127.2
192	16.4	13.4	20.0

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#36

1,1-Dichloropropene

Concen: 41.821 ug/l

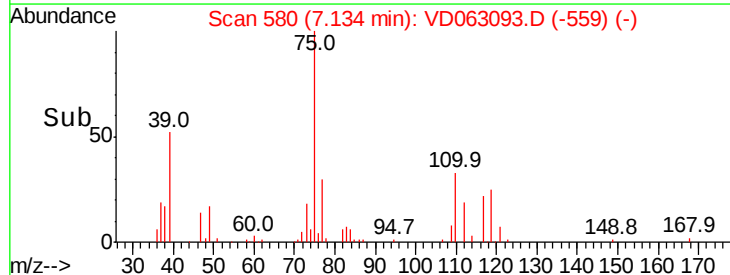
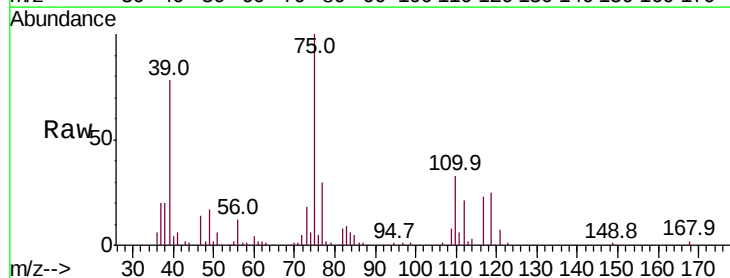
RT: 7.13 min Scan# 580

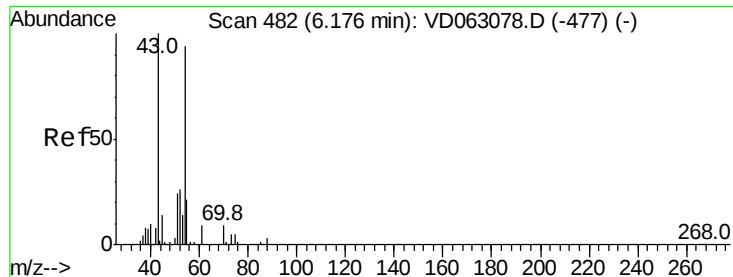
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	75	Resp:	273112
Ion Ratio	Lower	Upper	
75	100		
110	33.1	18.9	56.5
77	30.2	25.2	37.8





#37

Ethyl Acetate

Concen: 71.687 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

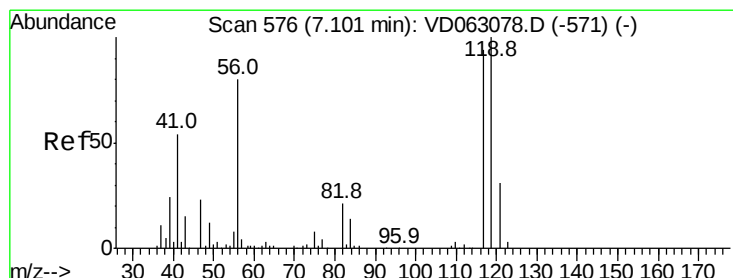
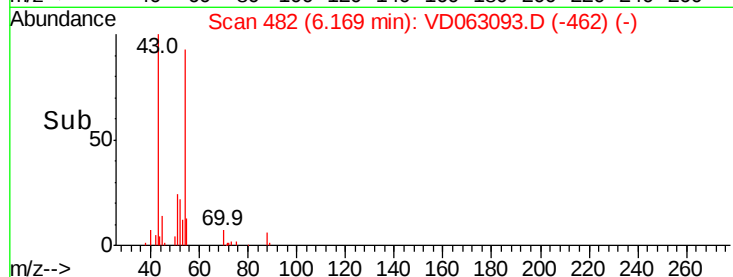
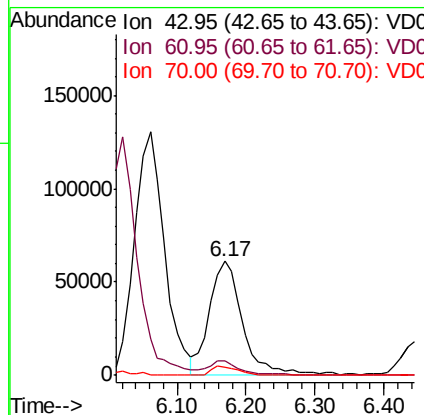
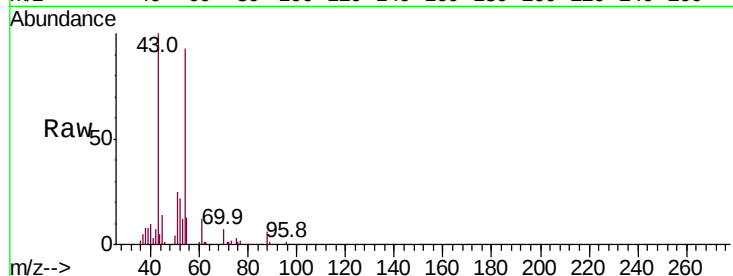
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	200355
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	16.0
70	7.0	6.6	9.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 42.505 ug/l m

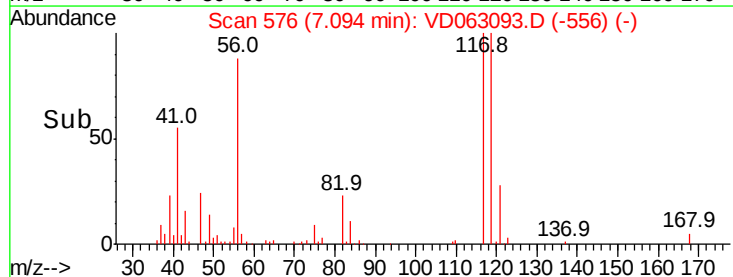
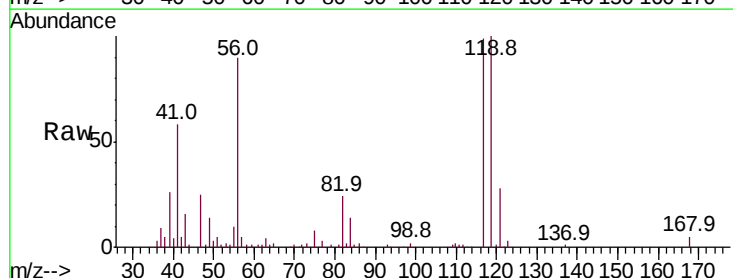
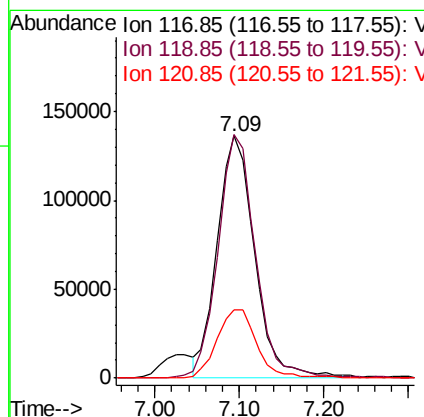
RT: 7.09 min Scan# 576

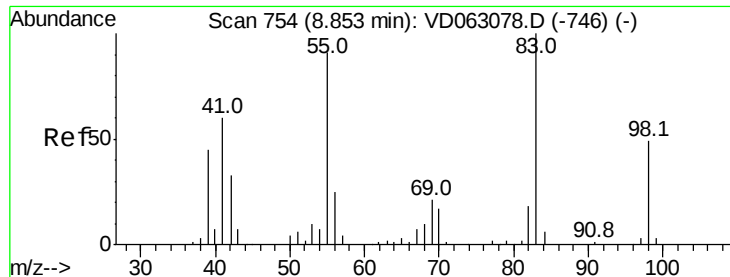
Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	117	Resp:	421783
Ion	Ratio	Lower	Upper
117	100		
119	100.5	80.0	120.0
121	28.0	25.0	37.4





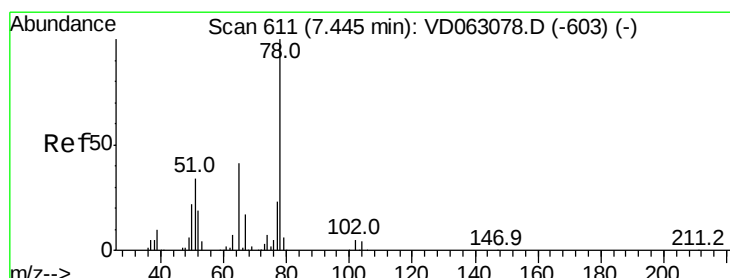
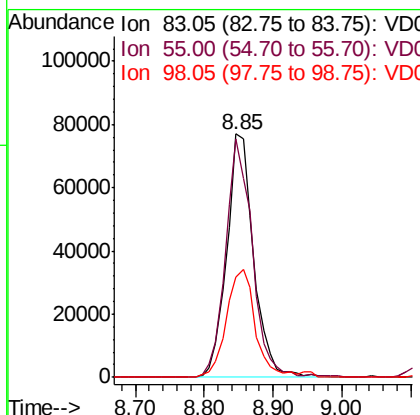
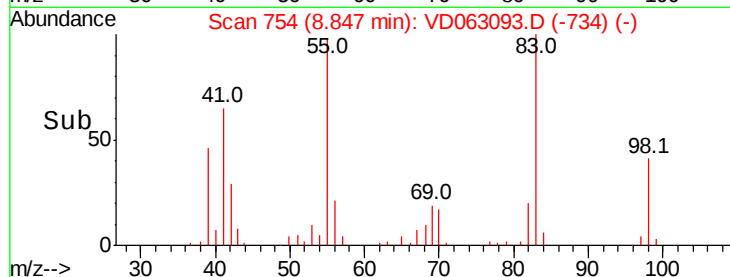
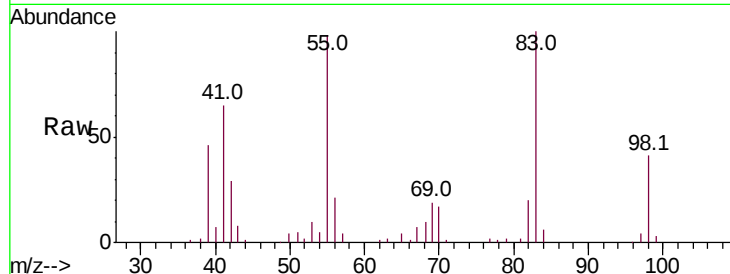
#39
Methvlcvclohexane
Concen: 36.925 ug/l
RT: 8.85 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	208475
Ion Ratio	100	Lower	Upper
55	98.2	73.0	109.4
98	41.0	39.4	59.0

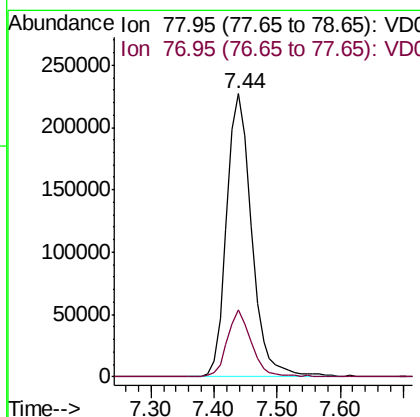
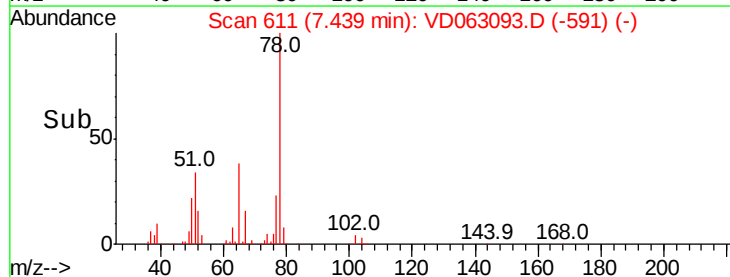
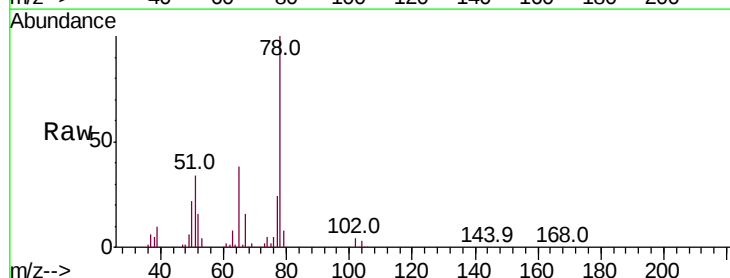
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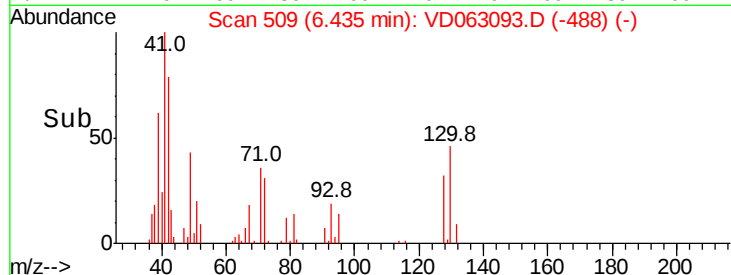
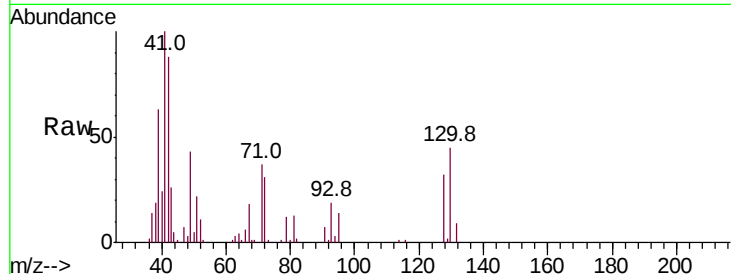
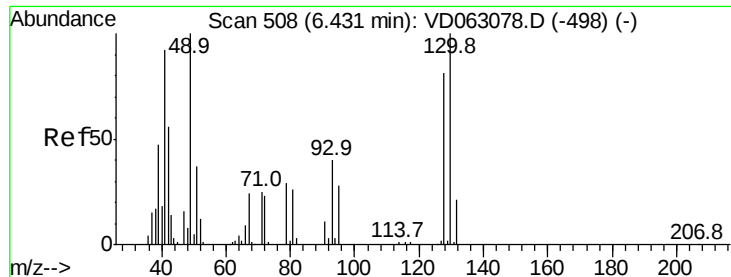
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#40
Benzene
Concen: 45.899 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	78	Resp	627787
Ion Ratio	100	Lower	Upper
77	23.8	18.1	27.1





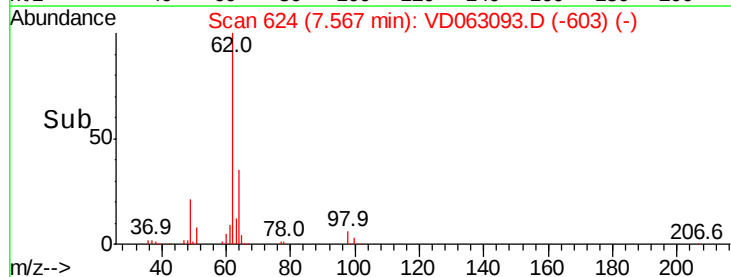
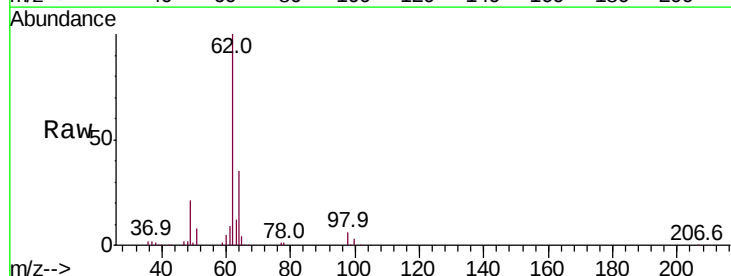
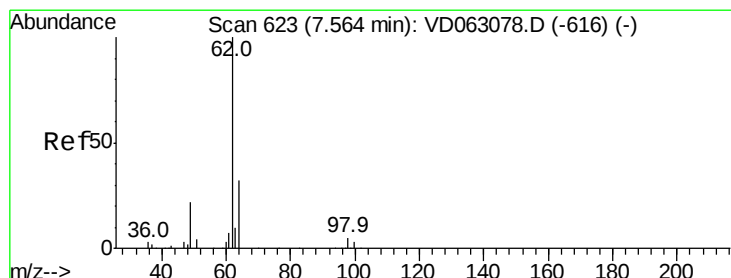
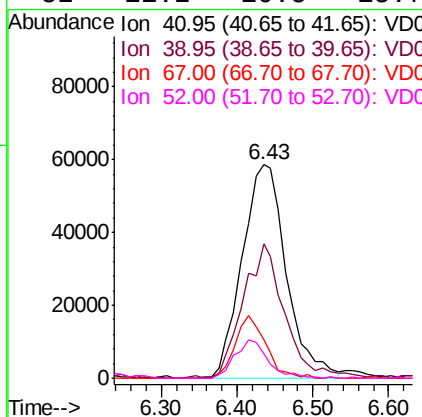
#41
Methacrylonitrile
Concen: 62.702 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	41.0	61.6#
67	17.8	21.3	31.9#
52	11.2	10.5	15.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

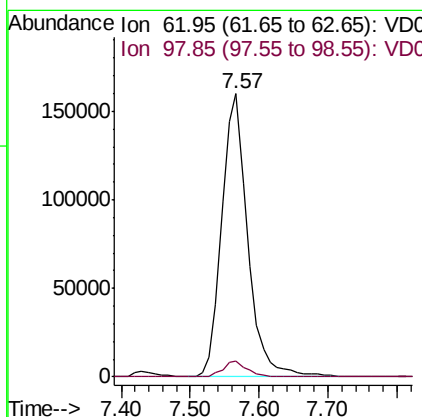
Manual Integrations
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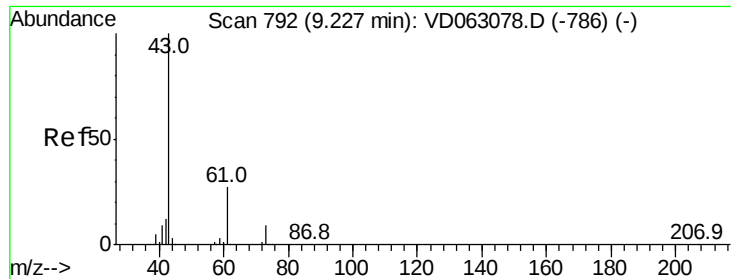
MMDadoda
7/16/2019 9:14:51 AM



#42
1,2-Dichloroethane
Concen: 57.363 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	9.6





#43

Isopropyl Acetate

Concen: 63.720 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

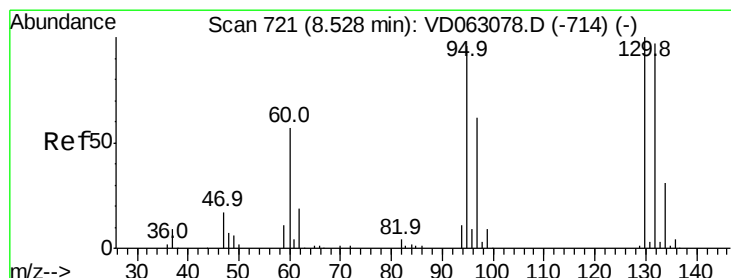
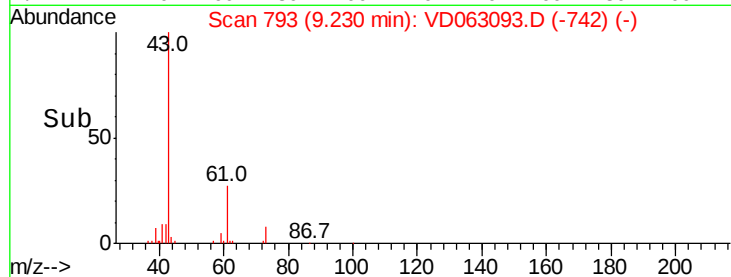
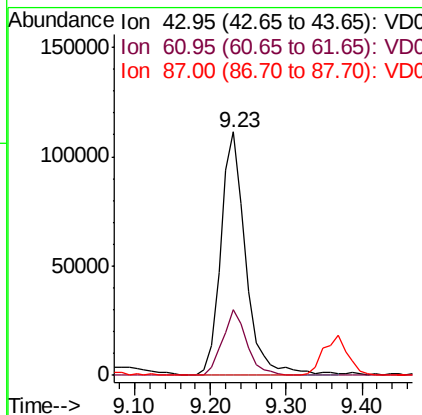
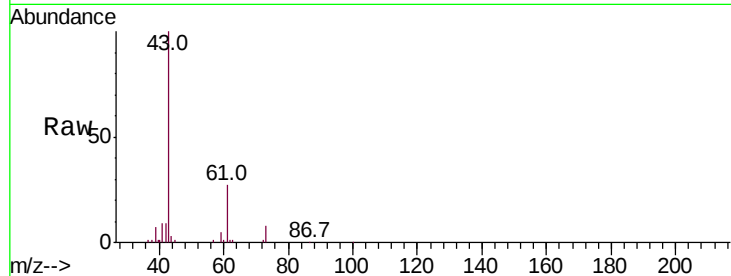
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	255266
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.7	32.5
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 46.235 ug/l

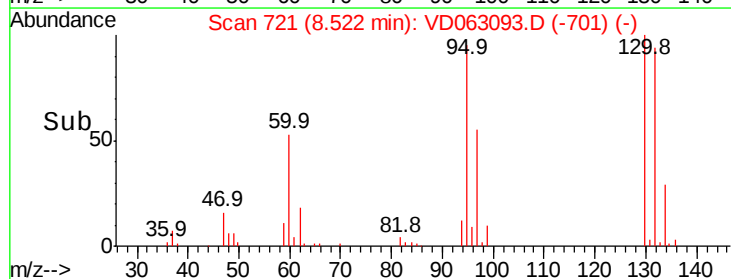
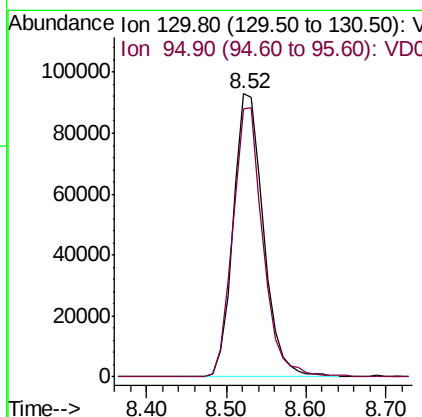
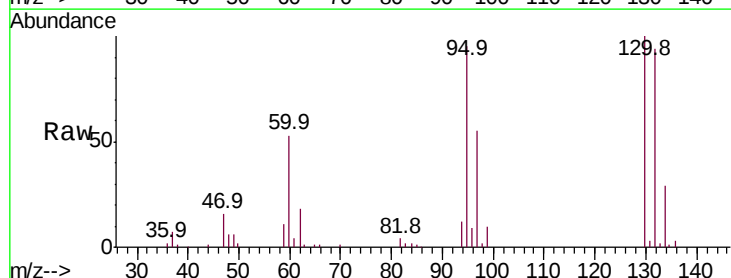
RT: 8.52 min Scan# 721

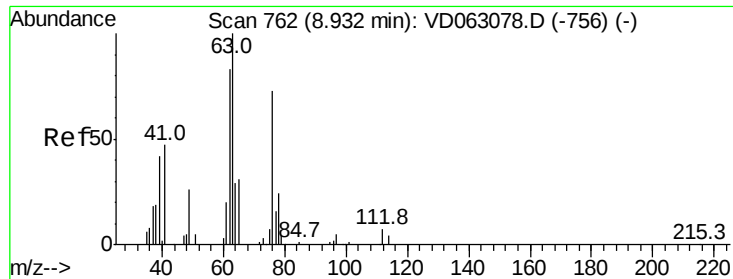
Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	130	Resp:	244393
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	191.4





#45

1,2-Dichloropropane

Concen: 49.200 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 167777

Ion Ratio Lower Upper

63 100

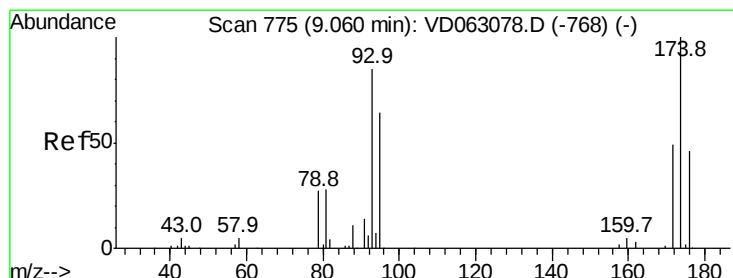
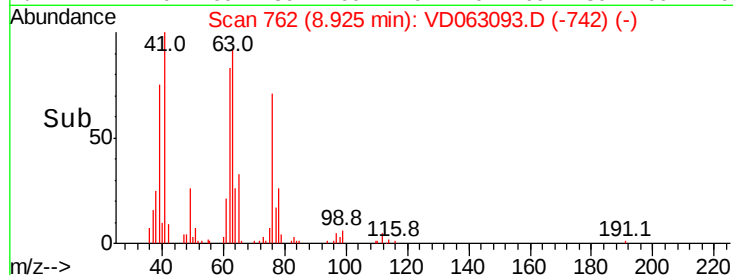
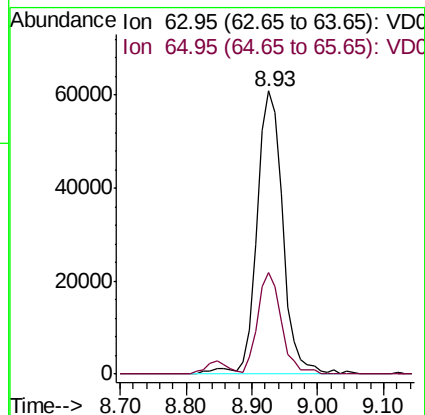
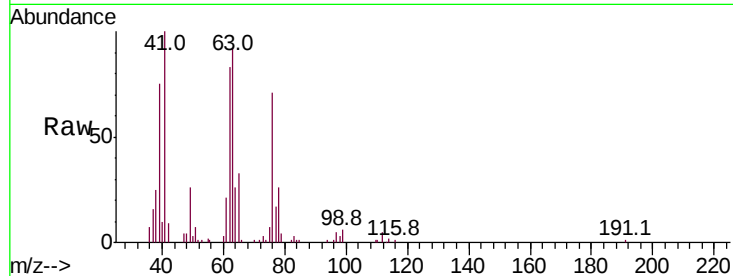
65 36.0 26.3 39.5

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#46

Dibromomethane

Concen: 61.711 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

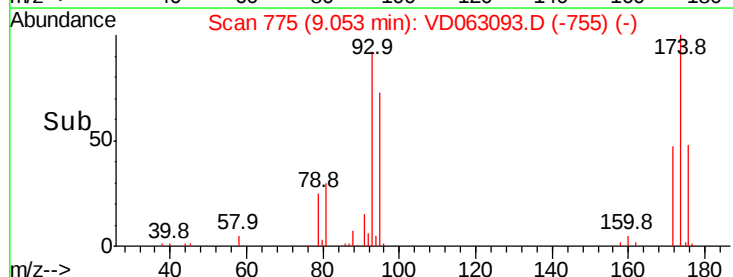
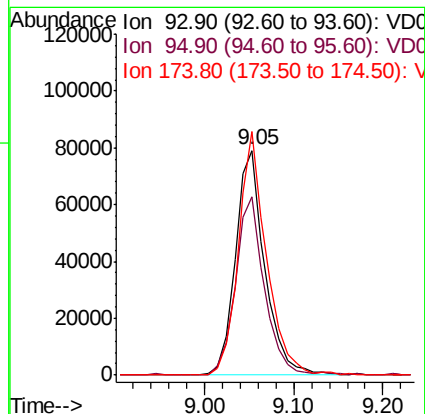
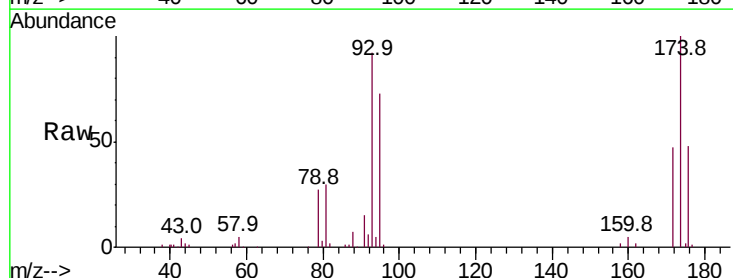
Tgt Ion: 93 Resp: 180837

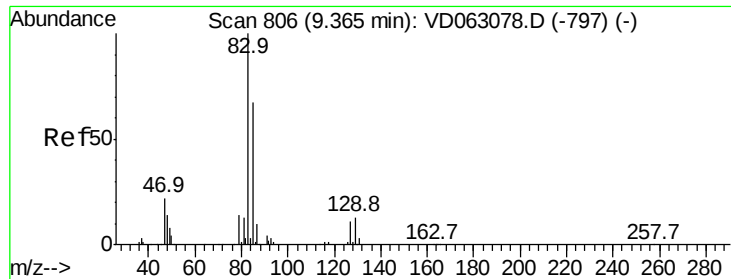
Ion Ratio Lower Upper

93 100

95 79.4 59.7 89.5

174 108.4 93.9 140.9





#47

Bromodichloromethane

Concen: 56.522 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

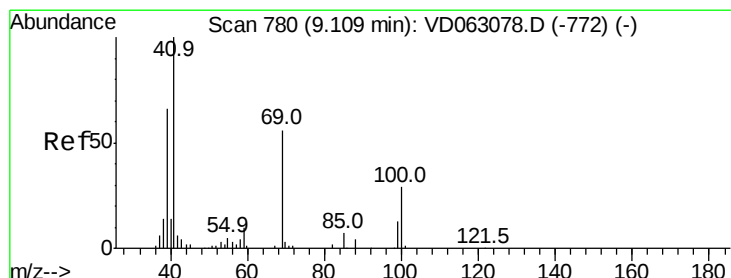
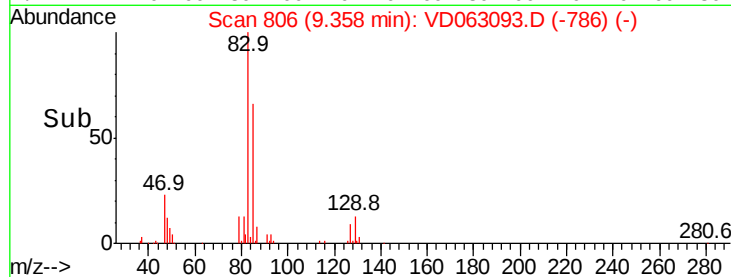
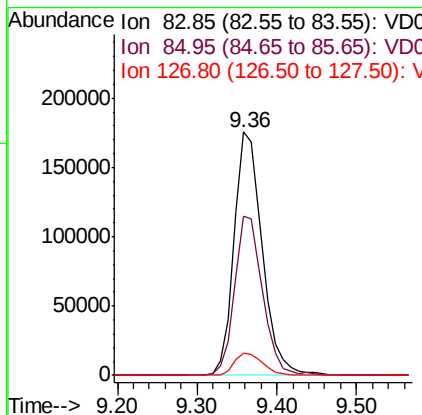
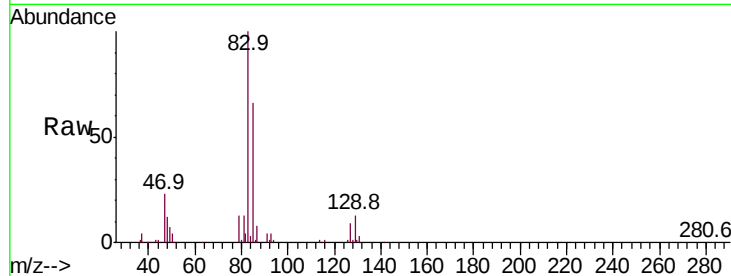
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	432217
Ion Ratio	Lower	Upper	
83	100		
85	65.5	53.7	80.5
127	9.0	9.0	13.6#

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#48

Methyl methacrylate

Concen: 65.916 ug/l

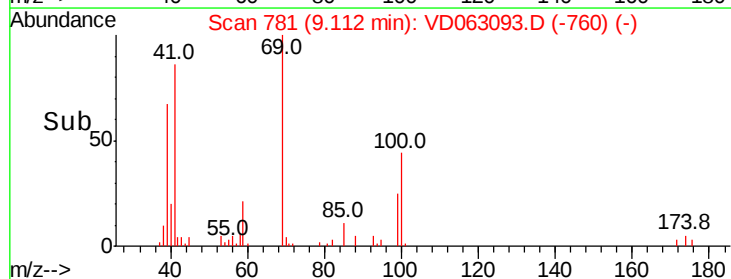
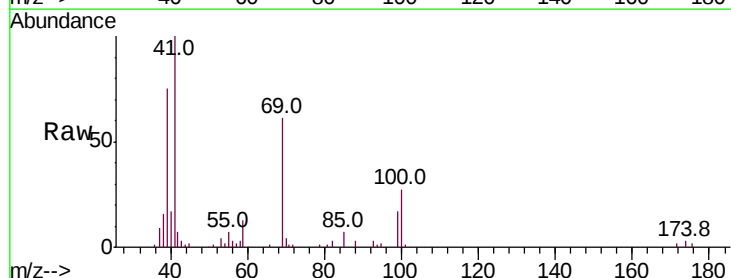
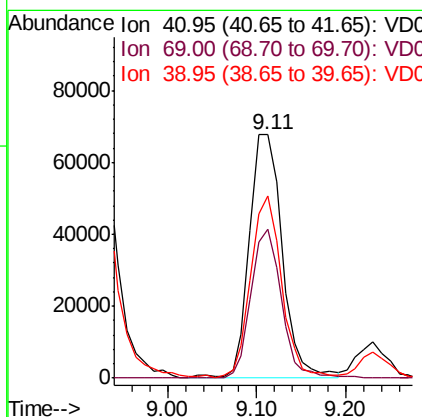
RT: 9.11 min Scan# 781

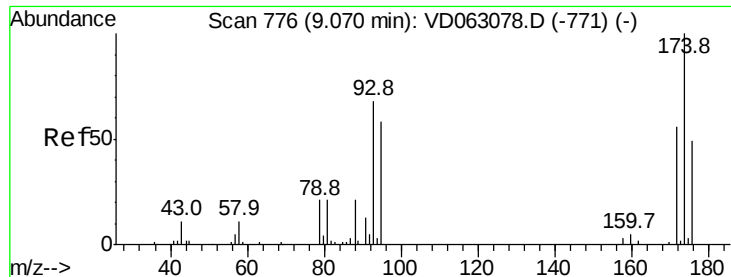
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	41	Resp:	173409
Ion Ratio	Lower	Upper	
41	100		
69	61.0	44.3	66.5
39	74.9	52.6	78.8





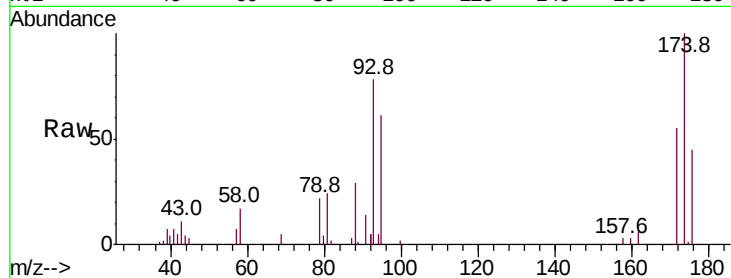
#49
1,4-Dioxane
Concen: 1358.549 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

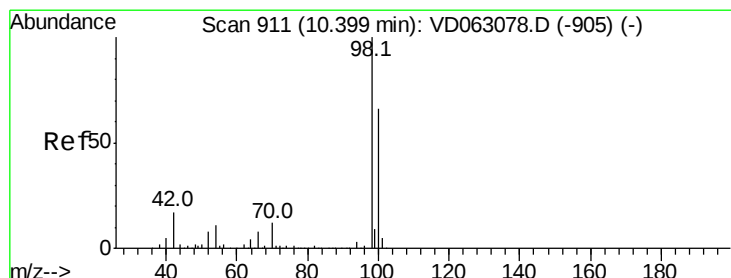
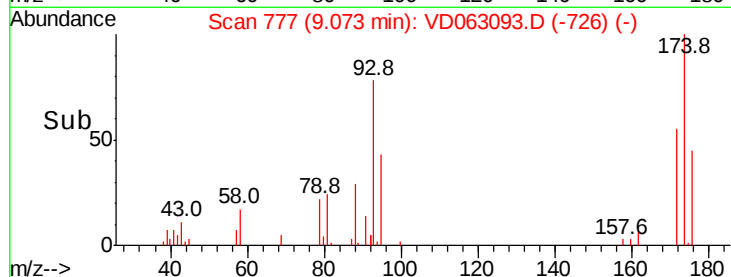
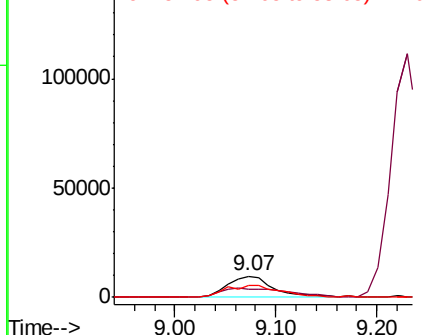
Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	40.2	60.4#
58	58.2	41.6	62.4

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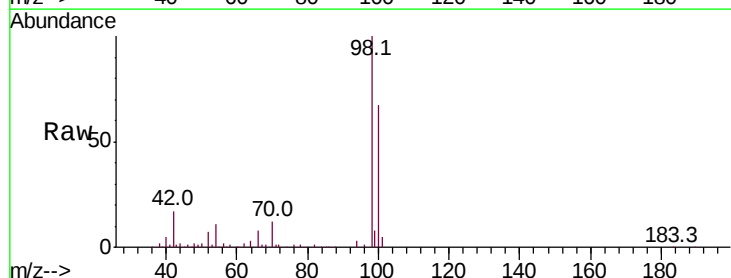


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

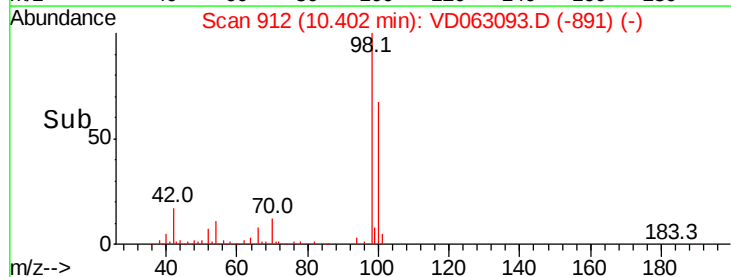
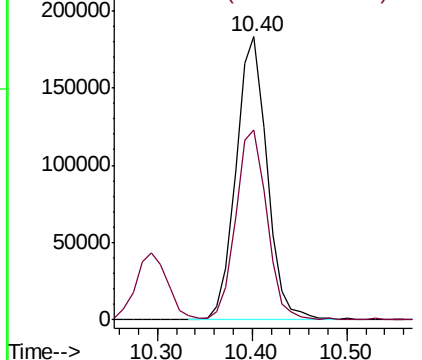


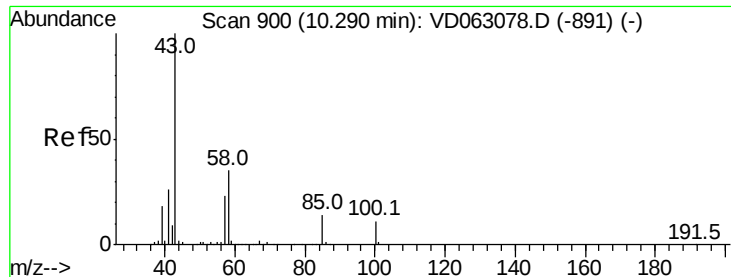
#50
Toluene-d8
Concen: 33.393 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.5	80.3



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





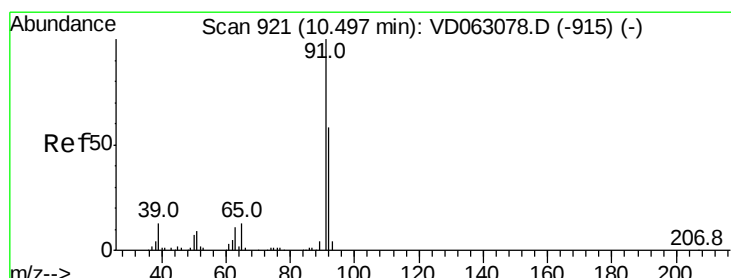
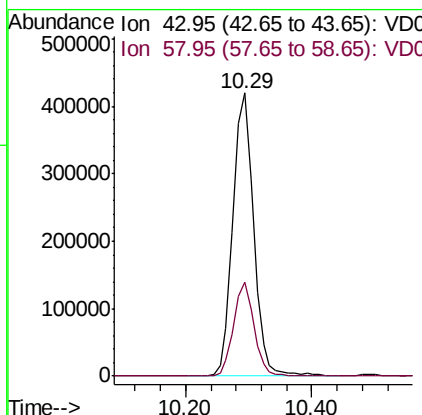
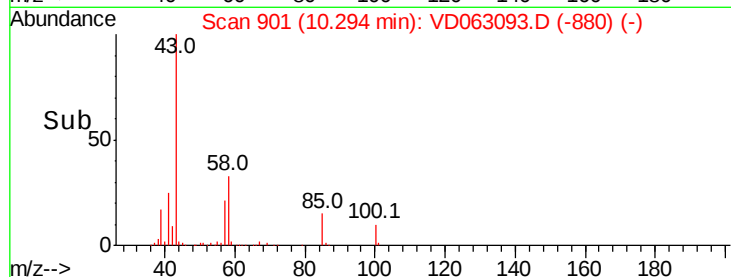
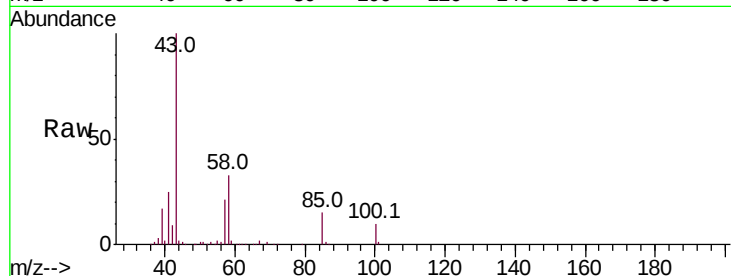
#51
4-Methyl-2-Pentanone
Concen: 357.975 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 951150
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.6

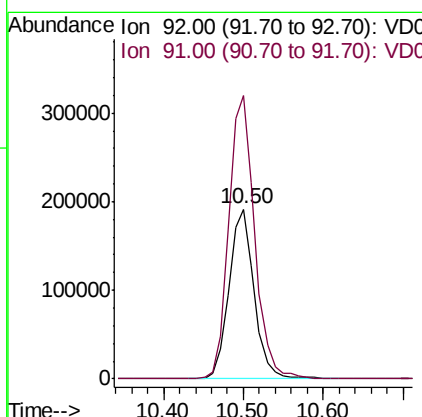
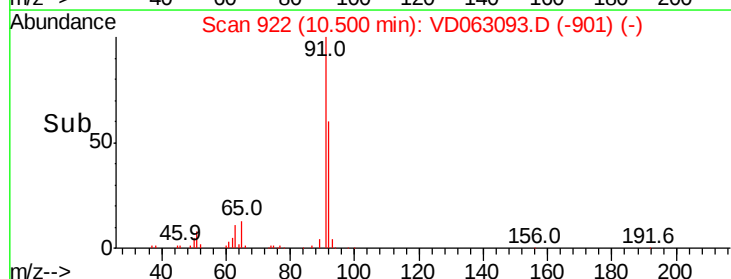
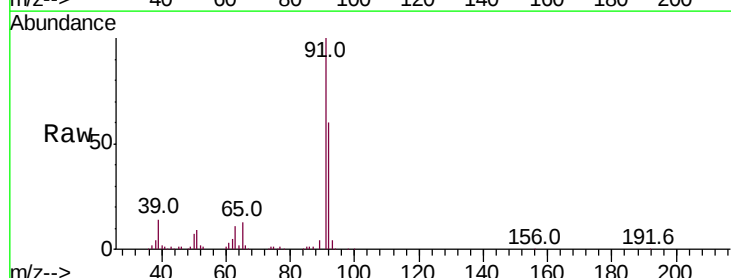
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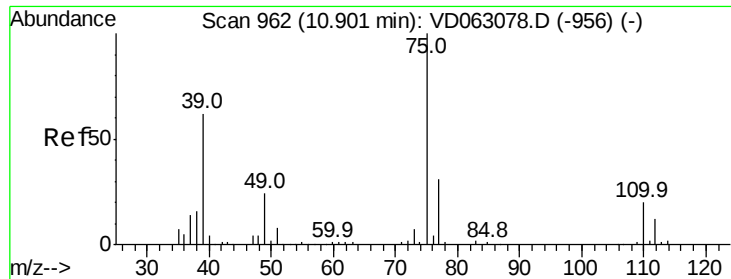
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#52
Toluene
Concen: 46.498 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 92 Resp: 424686
Ion Ratio Lower Upper
92 100
91 166.7 137.9 206.9





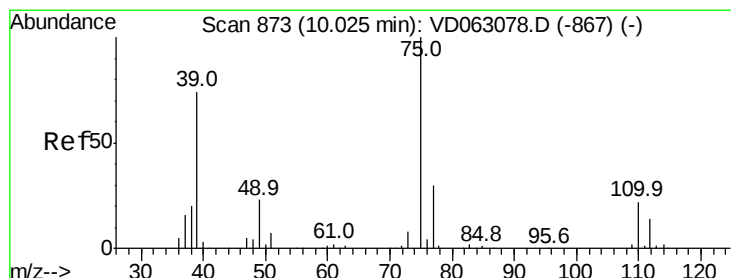
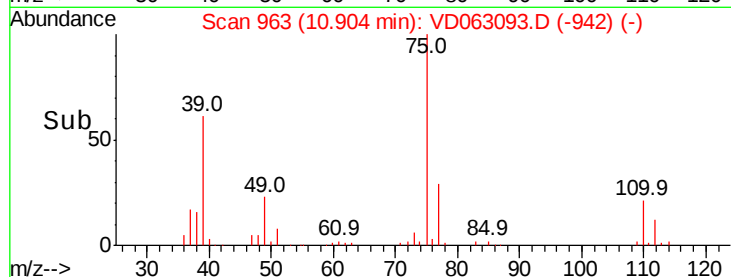
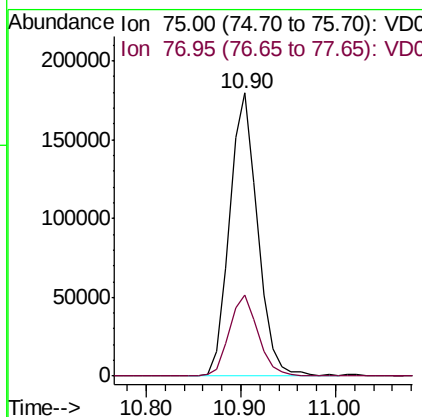
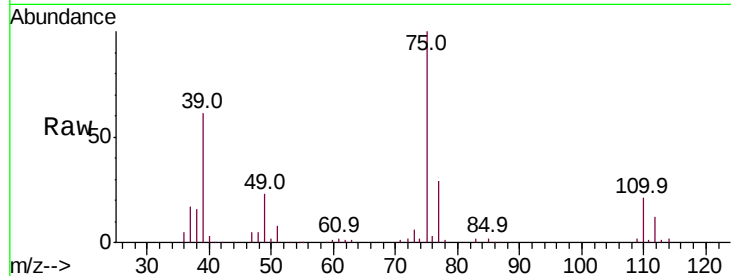
#53
t-1,3-Dichloropropene
Concen: 56.187 ug/l
RT: 10.90 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 368105
Ion Ratio Lower Upper
75 100
77 28.5 24.9 37.3

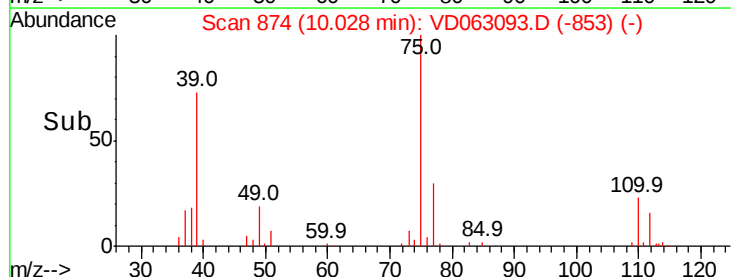
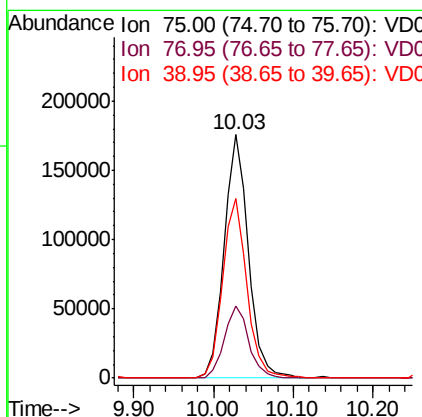
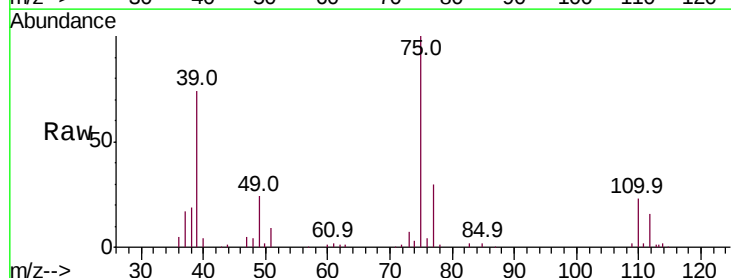
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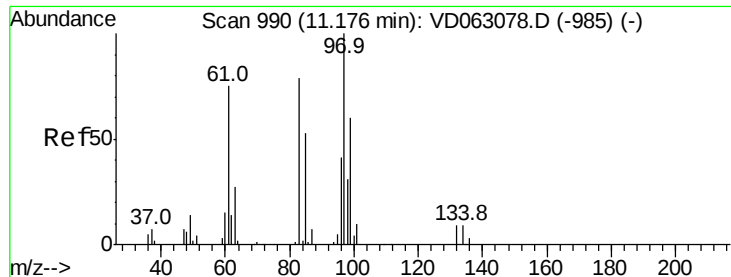
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#54
cis-1,3-Dichloropropene
Concen: 55.414 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 75 Resp: 375378
Ion Ratio Lower Upper
75 100
77 29.7 23.9 35.9
39 73.7 59.4 89.0





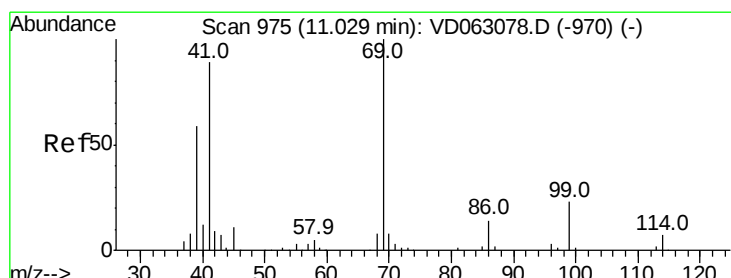
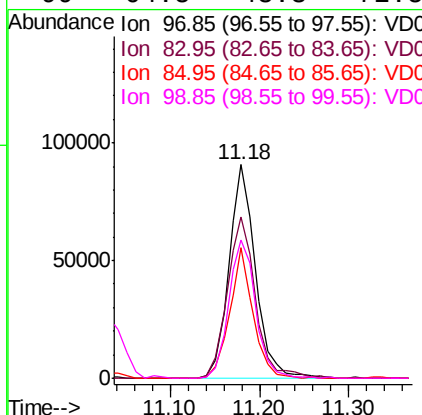
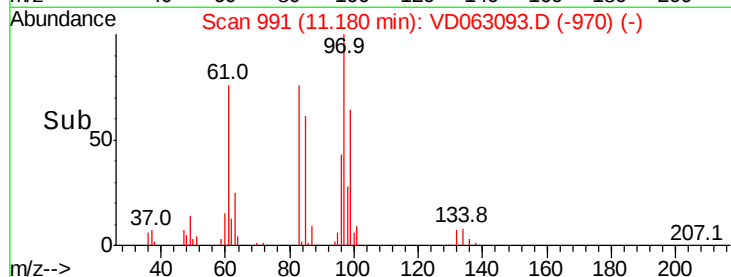
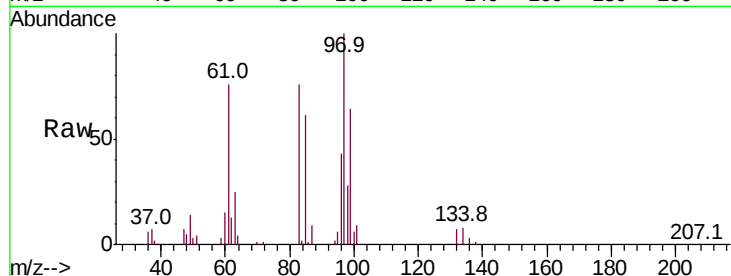
#55
 1,1,2-Trichloroethane
 Concen: 60.090 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	189666		
83	75.7	63.2	94.8	
85	61.0	42.0	63.0	
99	64.5	48.3	72.5	

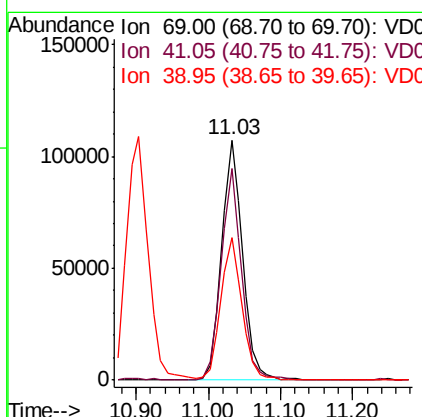
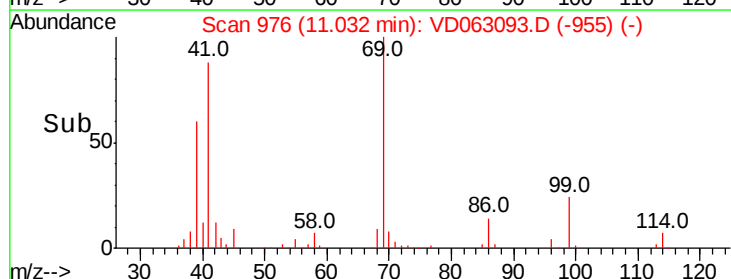
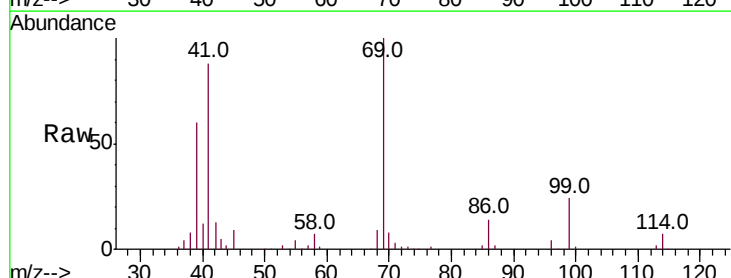
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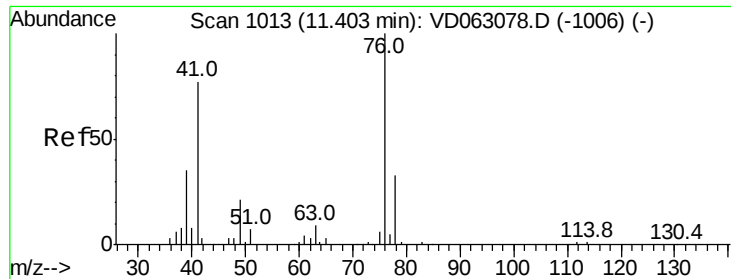
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#56
 Ethyl methacrylate
 Concen: 60.845 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	214577		
41	88.3	71.0	106.4	
39	59.5	47.7	71.5	





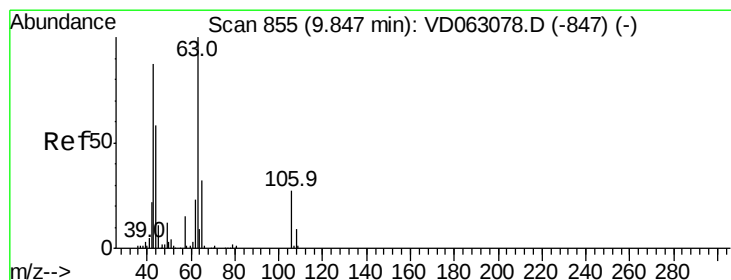
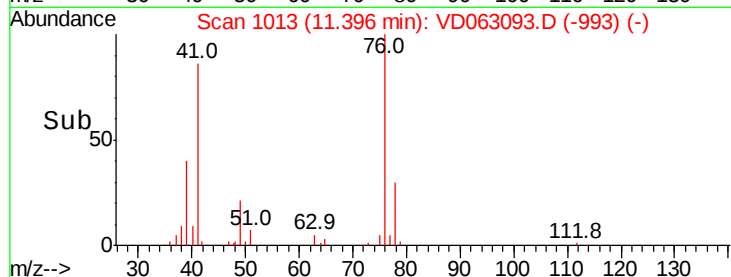
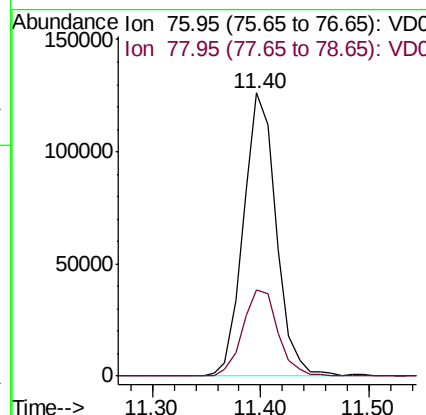
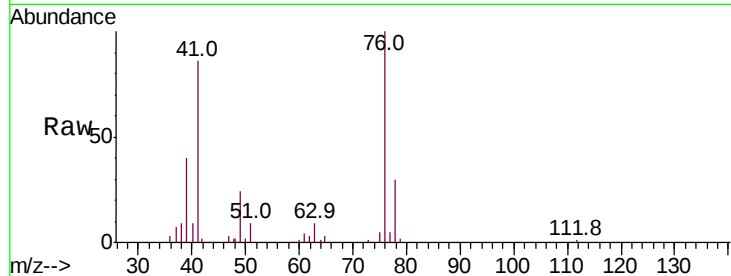
#57
 1,3-Dichloropropane
 Concen: 55.103 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 264651
 Ion Ratio Lower Upper
 76 100
 78 30.4 26.8 40.2

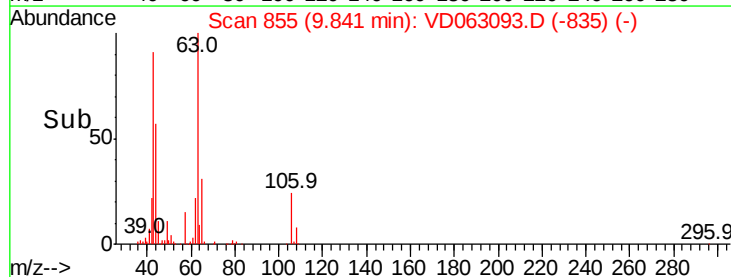
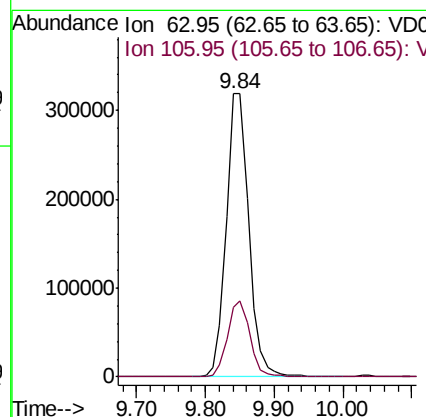
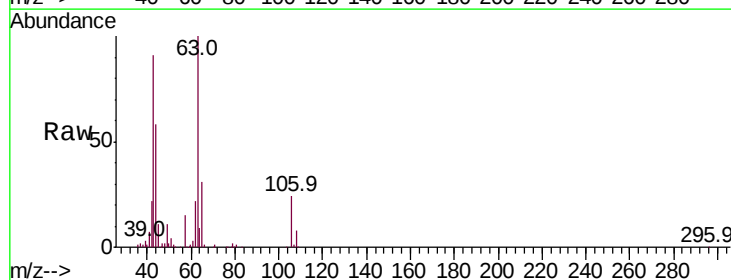
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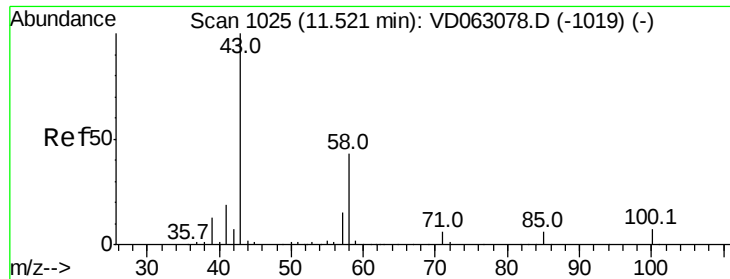
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#58
 2-Chloroethyl Vinyl ether
 Concen: 368.604 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion: 63 Resp: 723802
 Ion Ratio Lower Upper
 63 100
 106 24.4 21.3 31.9





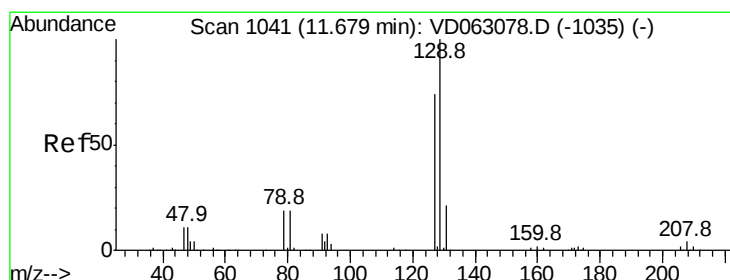
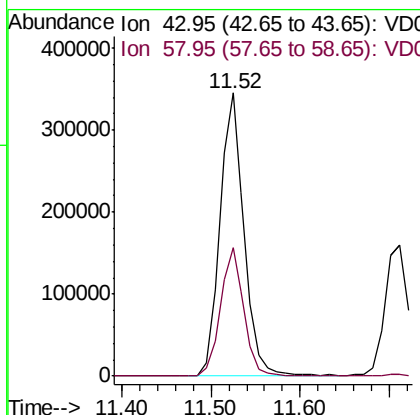
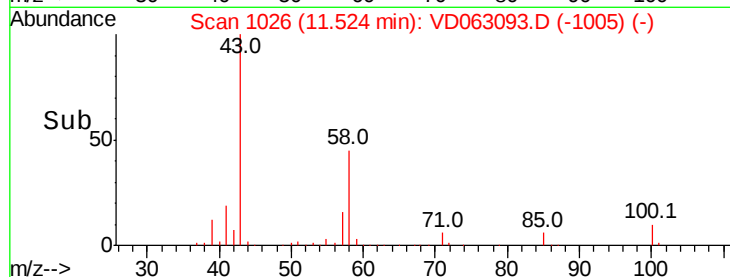
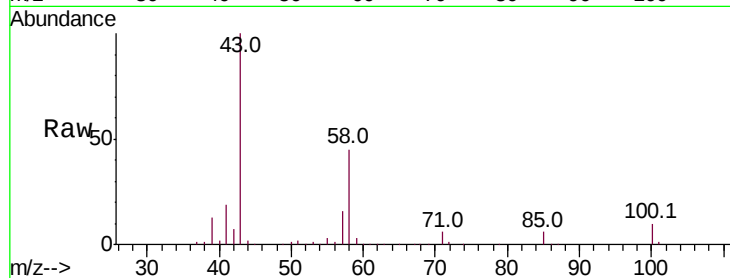
#59
2-Hexanone
Concen: 319.349 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 654386
Ion Ratio Lower Upper
43 100
58 45.2 21.7 65.1

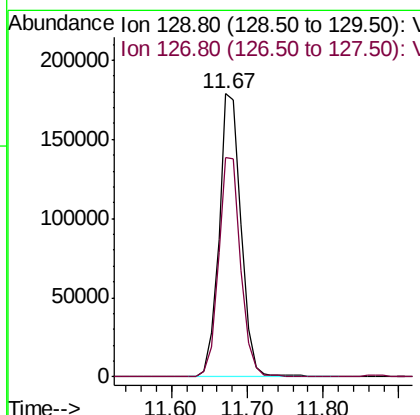
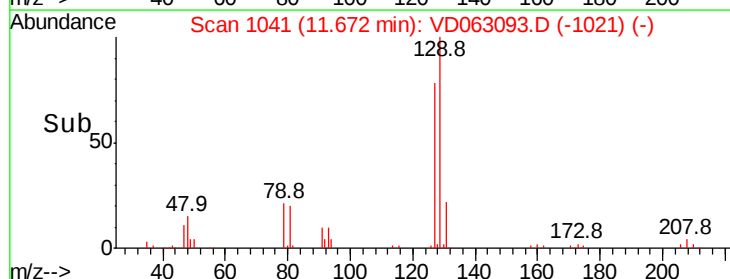
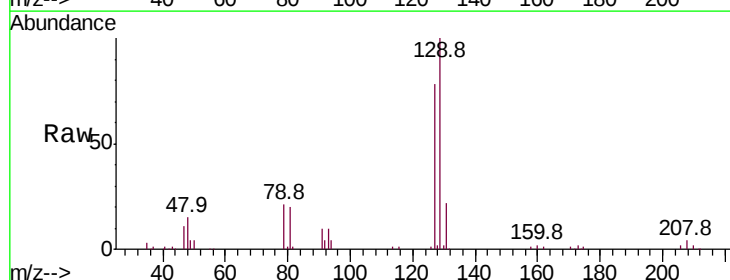
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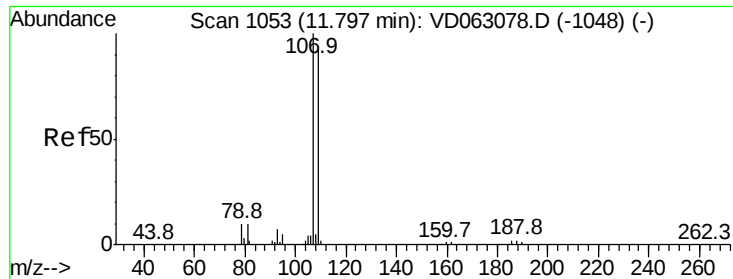
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#60
Dibromochloromethane
Concen: 59.873 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 129 Resp: 362254
Ion Ratio Lower Upper
129 100
127 77.5 37.0 110.9





#61

1,2-Dibromoethane

Concen: 61.883 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 233801

Ion Ratio Lower Upper

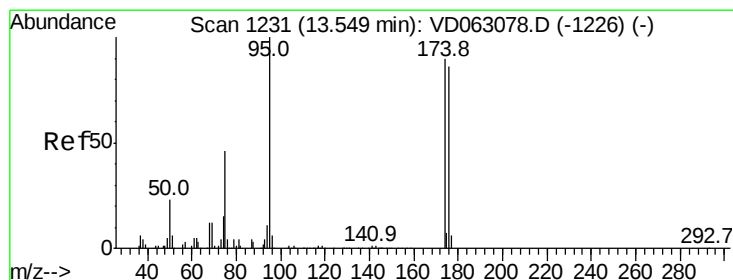
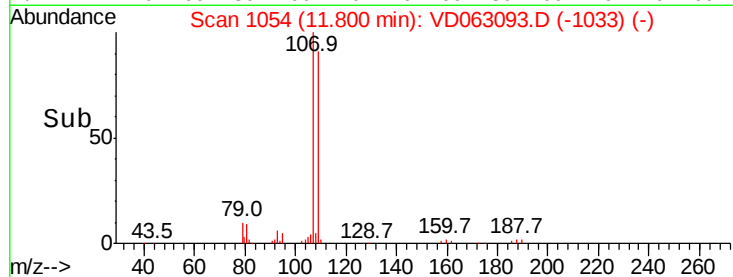
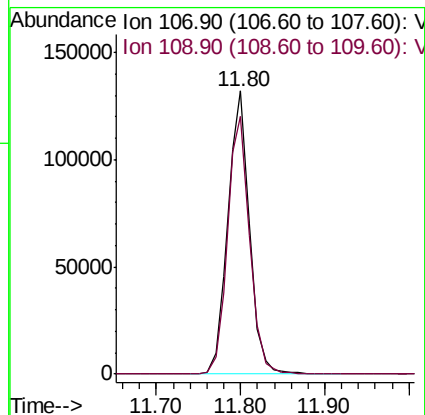
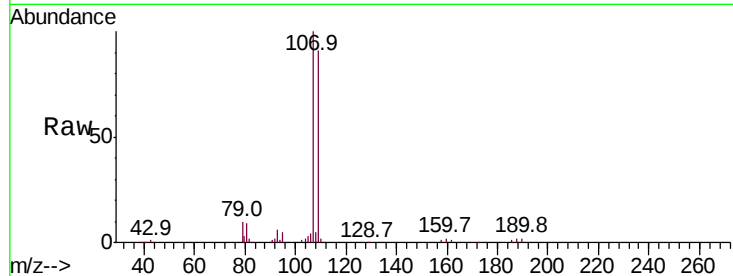
107 100

109 91.3 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 40.851 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

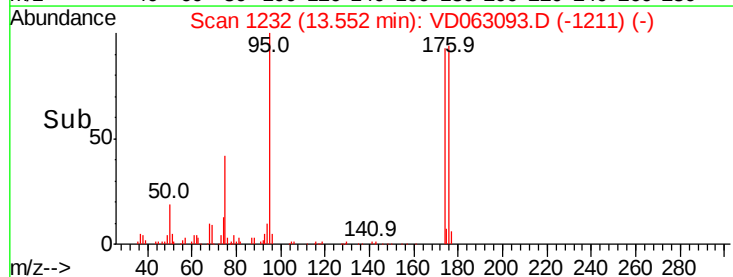
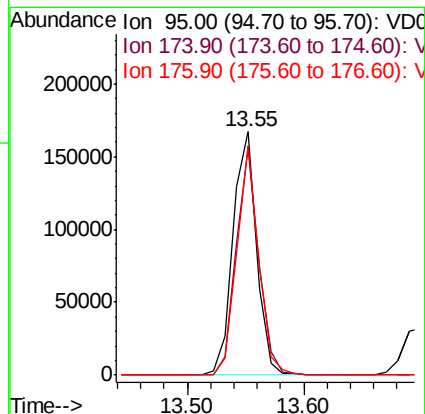
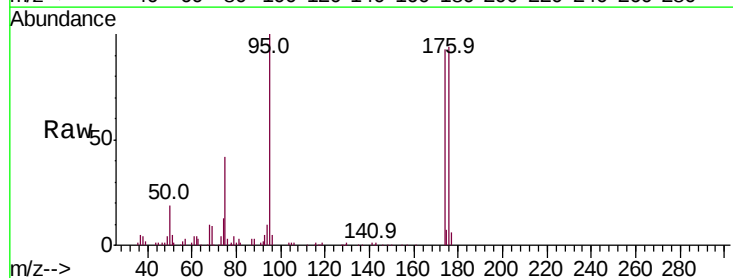
Tgt Ion: 95 Resp: 234780

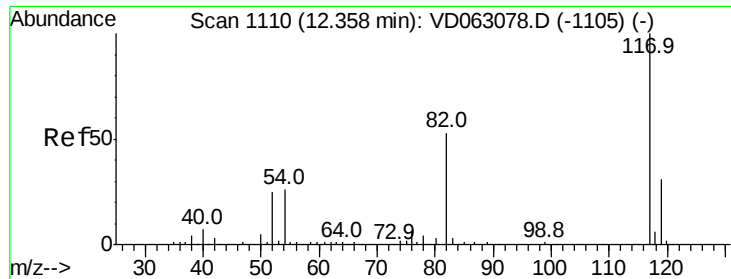
Ion Ratio Lower Upper

95 100

174 93.3 0.0 180.6

176 94.1 0.0 172.2





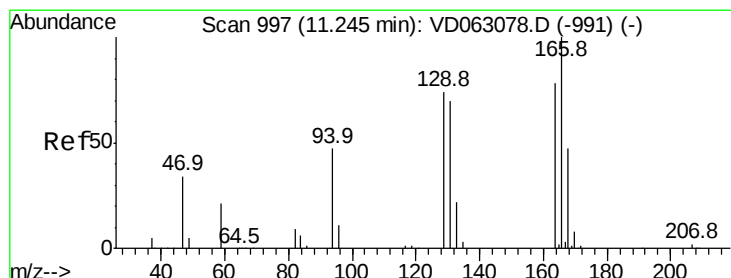
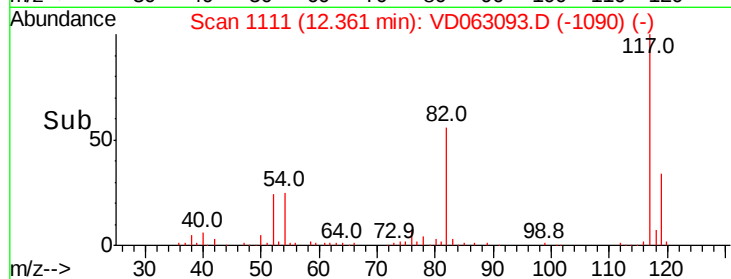
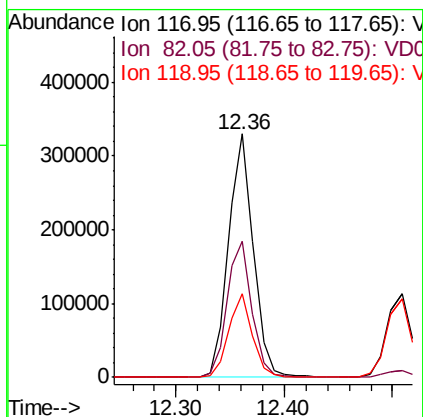
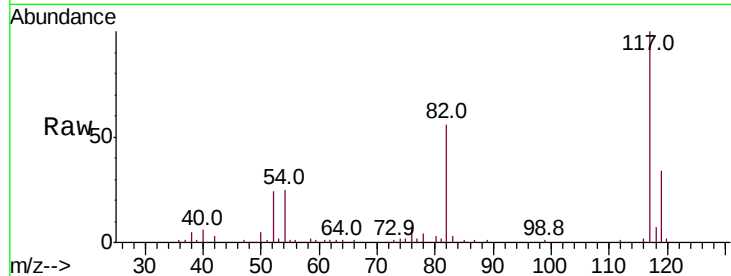
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	42.3	63.5
119	34.5	25.2	37.8

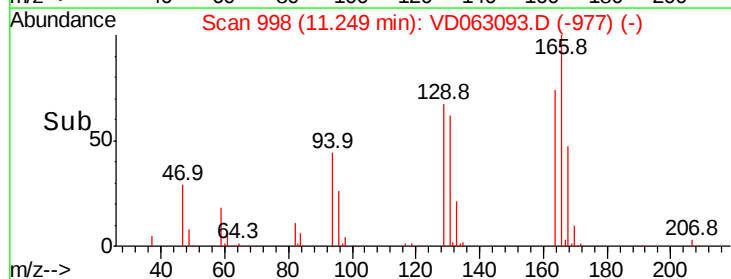
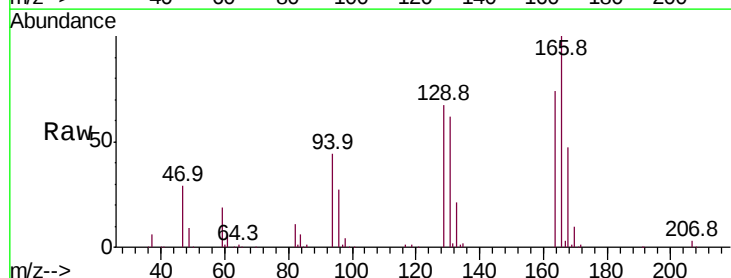
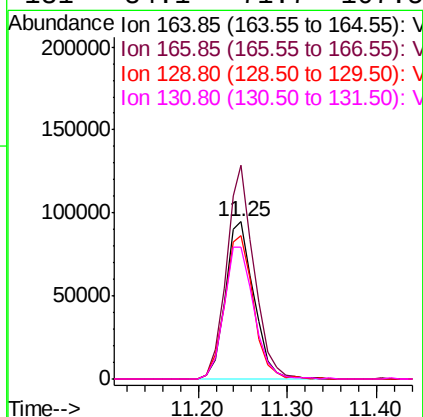
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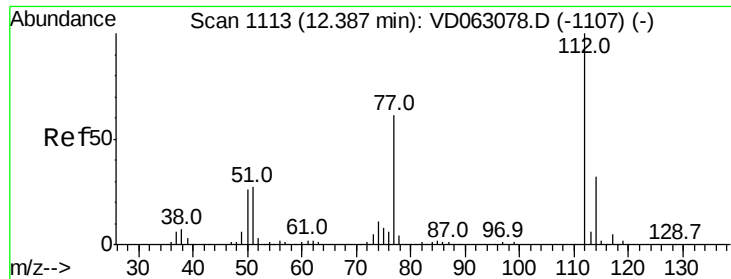
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#64
Tetrachloroethene
Concen: 41.833 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.7	102.8	154.2
129	91.3	76.4	114.6
131	84.1	71.7	107.5





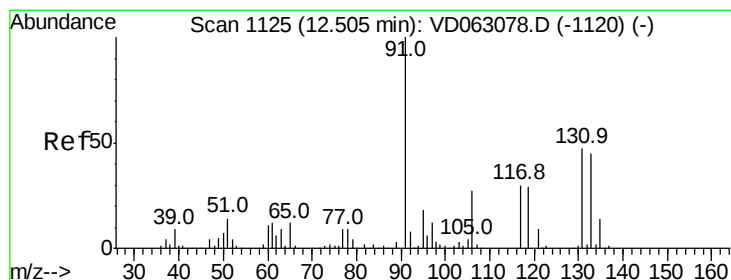
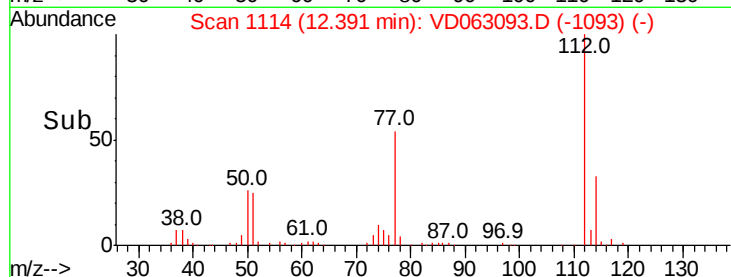
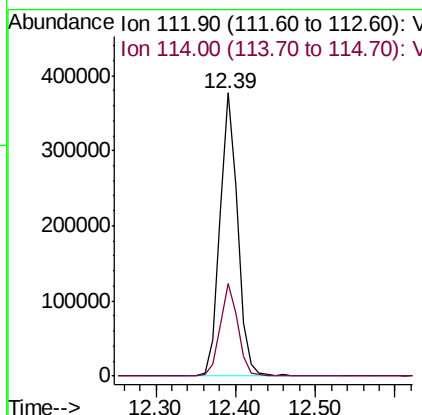
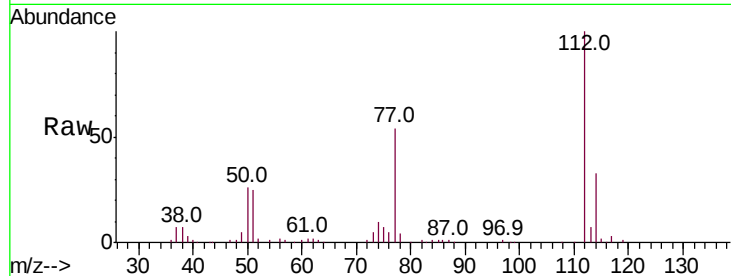
#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 593119
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9

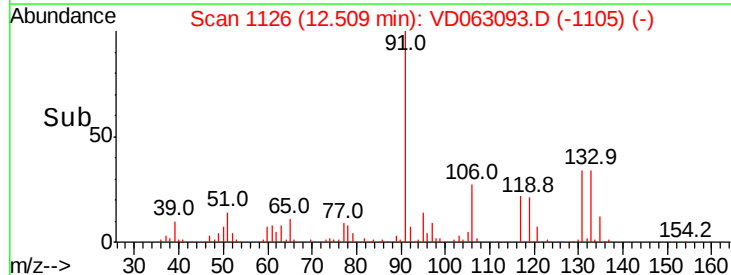
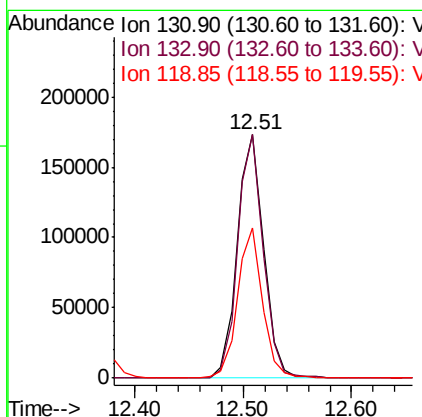
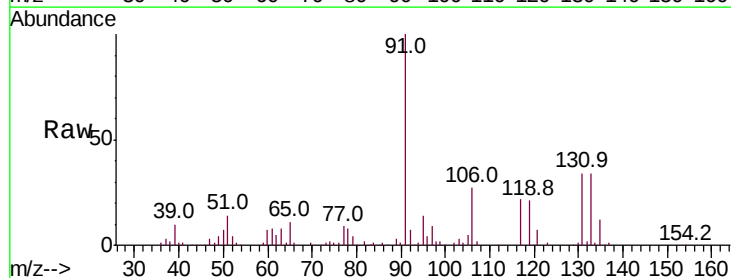
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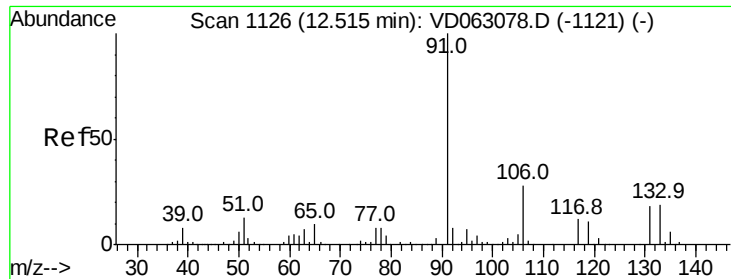
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.114 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:131 Resp: 292963
Ion Ratio Lower Upper
131 100
133 100.0 48.5 145.6
119 61.6 30.8 92.3





#67

Ethyl Benzene

Concen: 45.872 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 985309

Ion Ratio Lower Upper

91 100

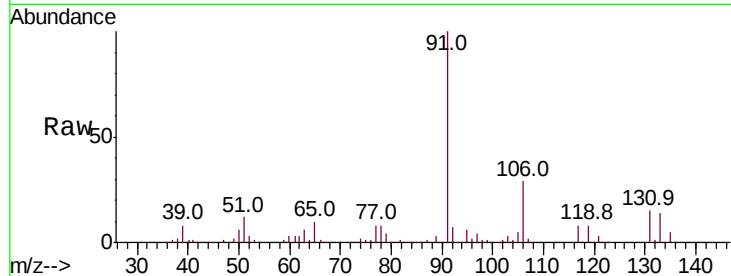
106 28.8 22.5 33.7

Manual Integrations

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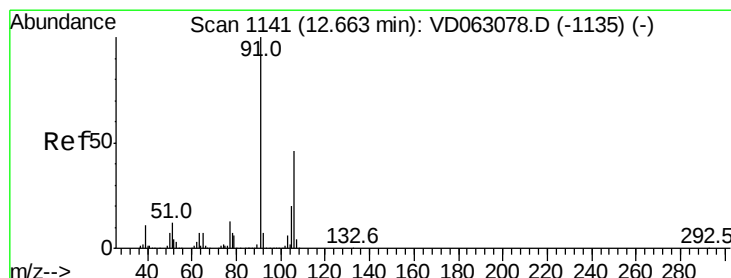
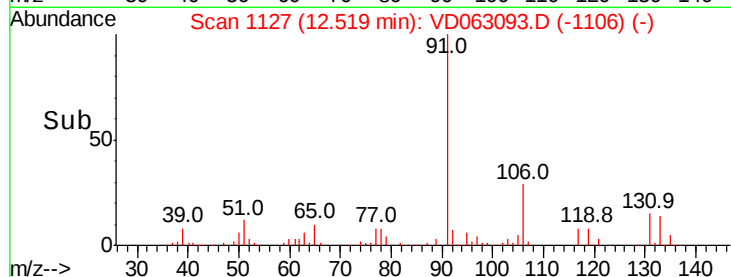
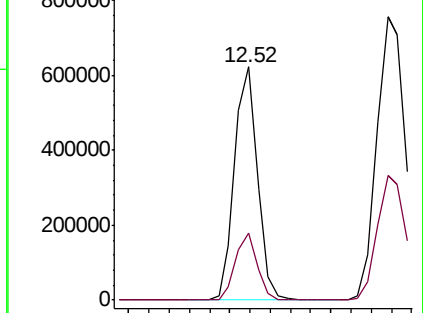
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 85.674 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD063093.D

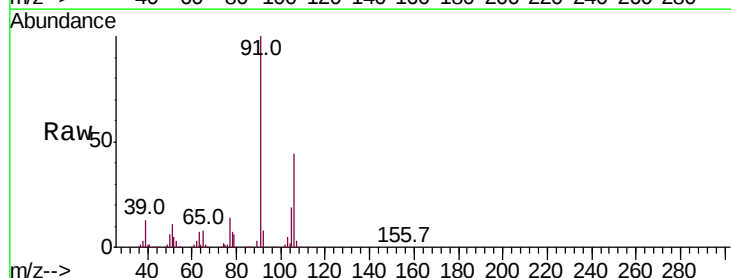
Acq: 15 Jul 2019 20:59

Tgt Ion: 106 Resp: 659125

Ion Ratio Lower Upper

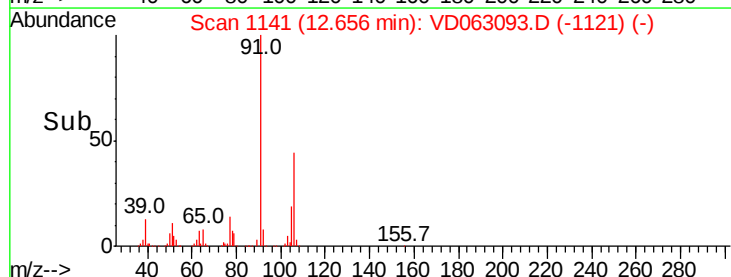
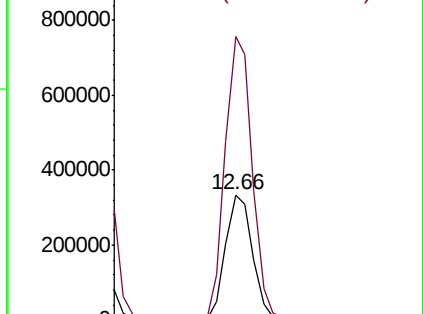
106 100

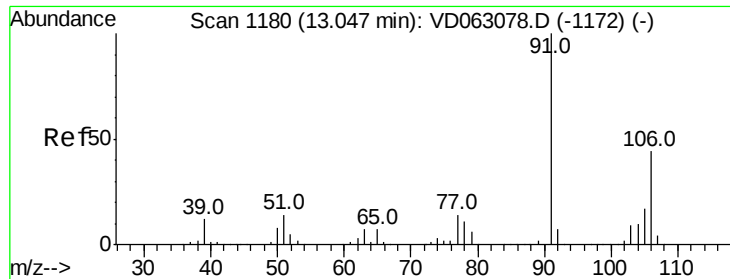
91 226.0 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





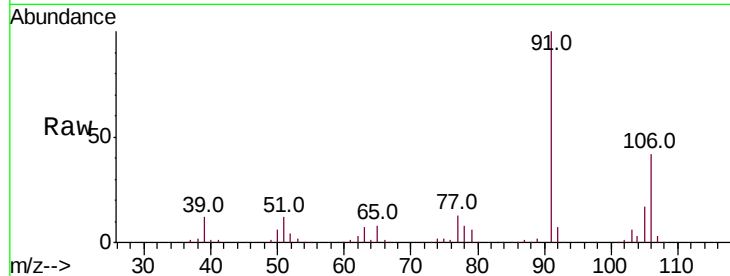
#69
o-Xylene
Concen: 49.351 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

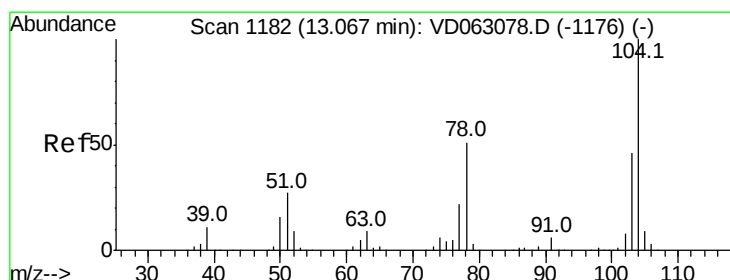
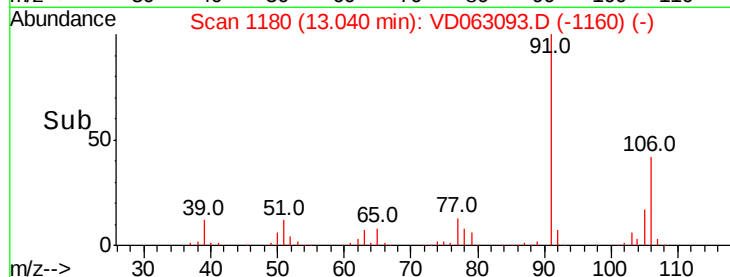
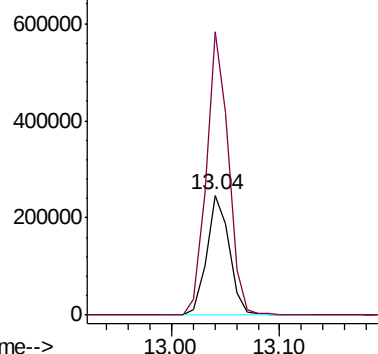
Tot Ion:106 Resp: 360012
Ion Ratio Lower Upper
106 100
91 235.8 114.9 344.7

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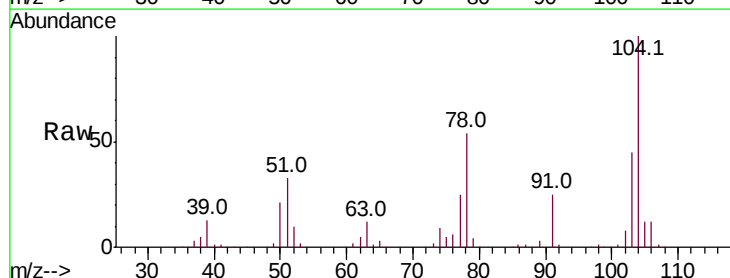


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

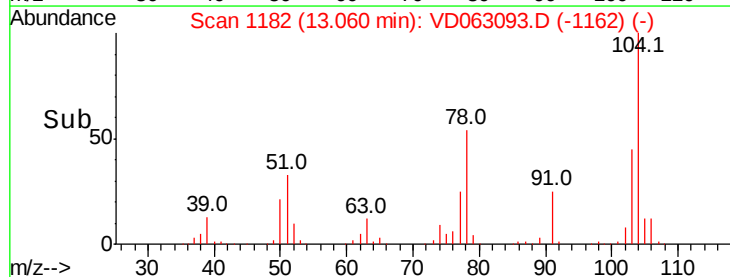
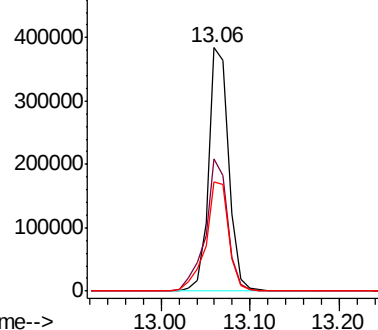


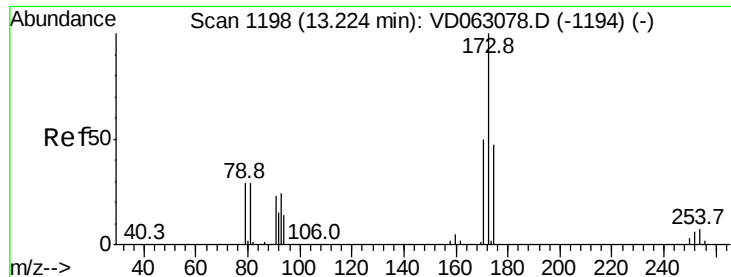
#70
Styrene
Concen: 47.636 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:104 Resp: 608270
Ion Ratio Lower Upper
104 100
78 54.1 41.1 61.7
103 44.9 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





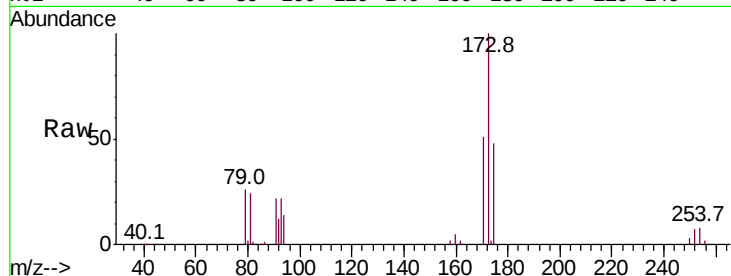
#71
Bromoform
Concen: 58.617 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

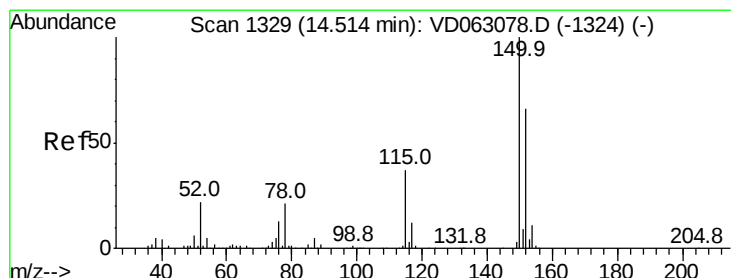
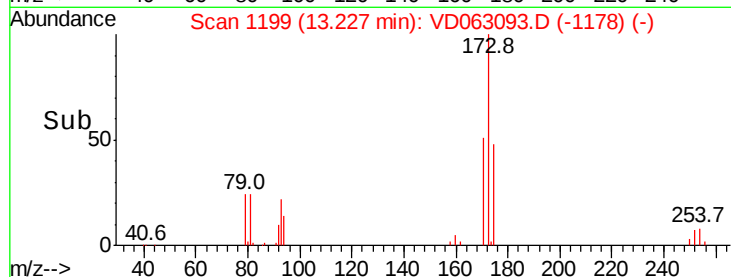
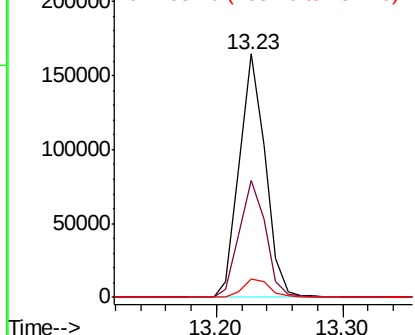
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.4	70.2
254	7.5	5.4	8.0

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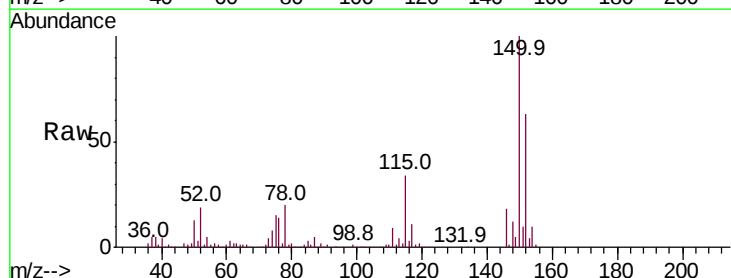


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

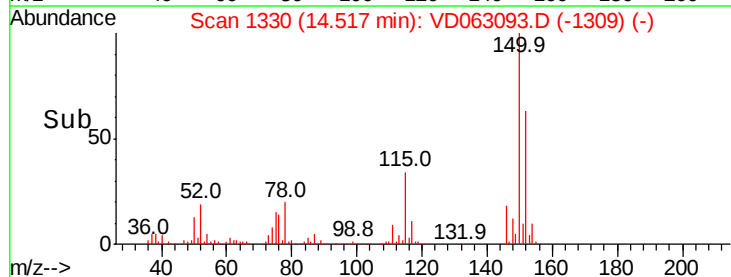
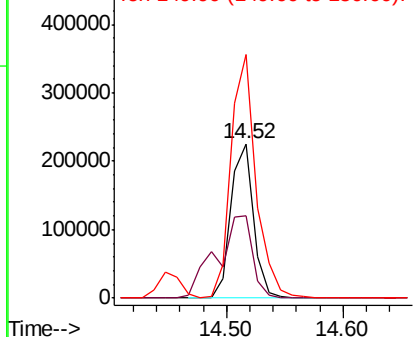


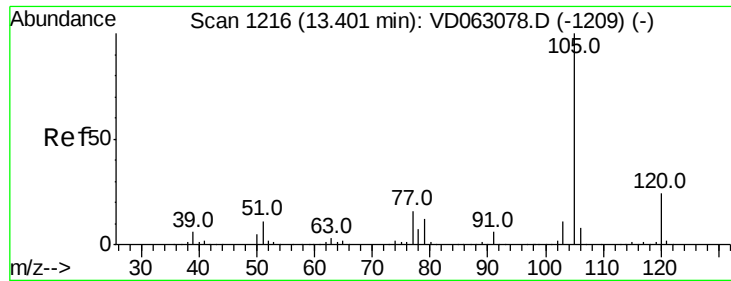
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	28.9	86.8
150	158.1	0.0	313.8



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: 44.832 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1054728

Ion Ratio Lower Upper

105 100

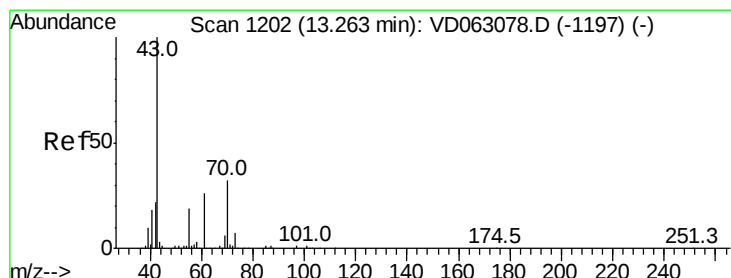
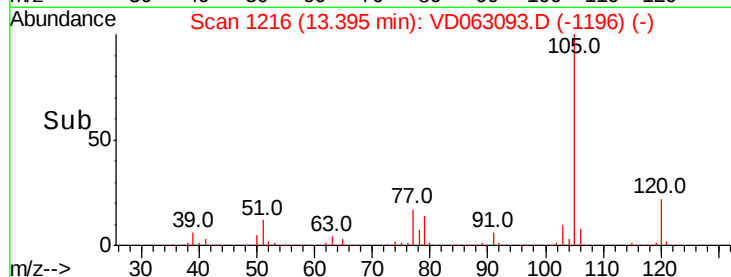
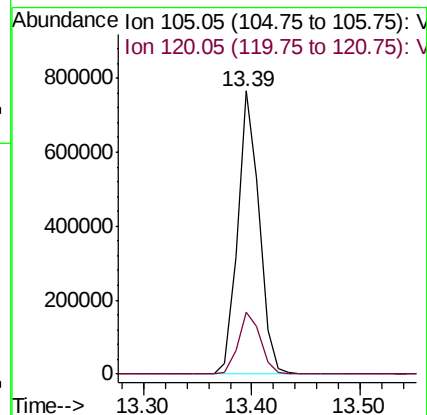
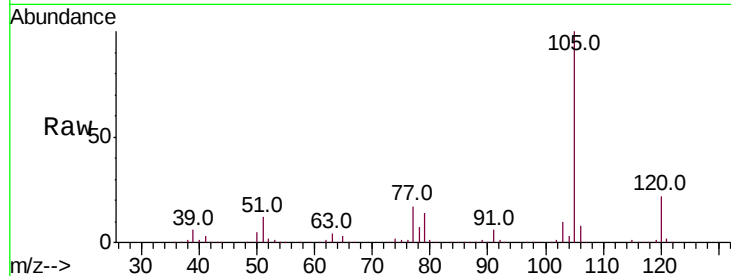
120 21.7 12.2 36.4

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#74

N-ethyl acetate

Concen: 54.126 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion: 43 Resp: 355129

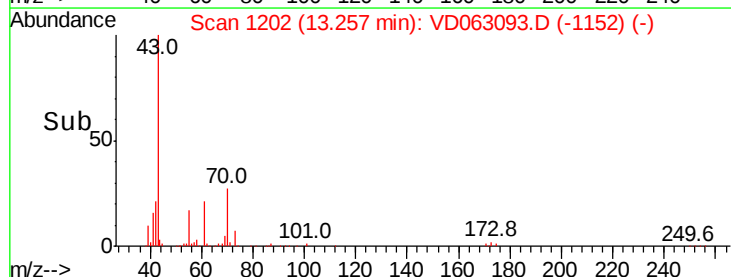
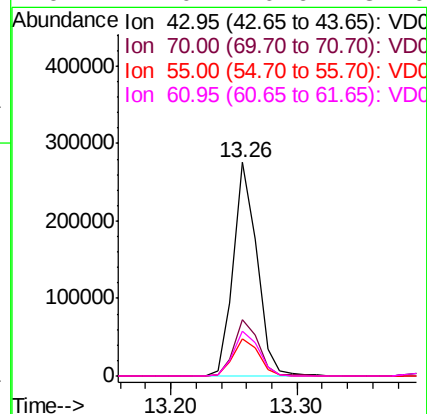
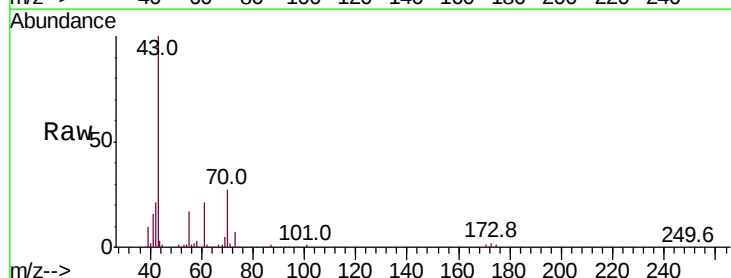
Ion Ratio Lower Upper

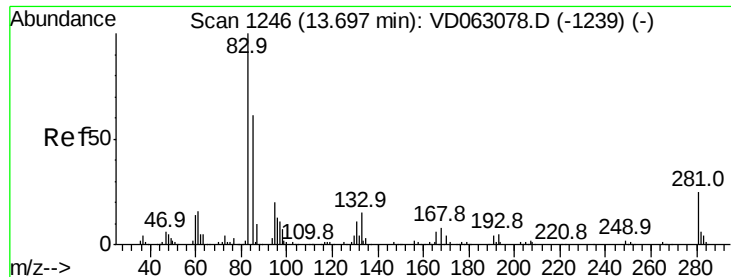
43 100

70 26.6 25.5 38.3

55 17.3 15.4 23.0

61 21.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.642 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

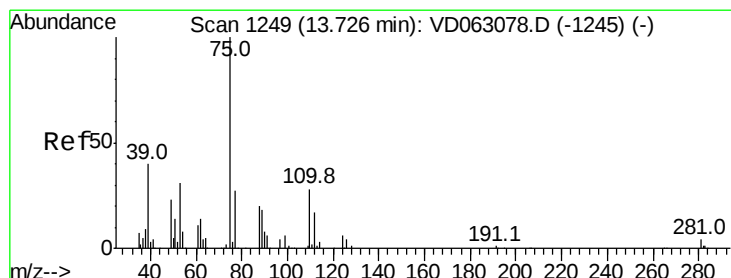
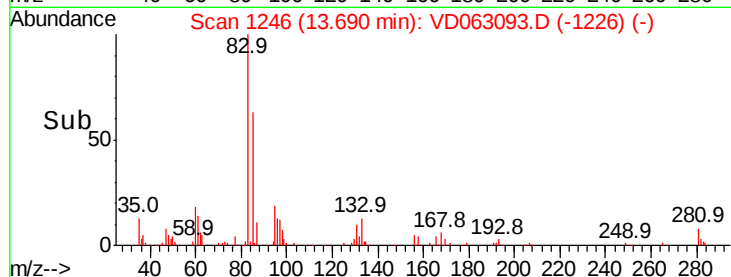
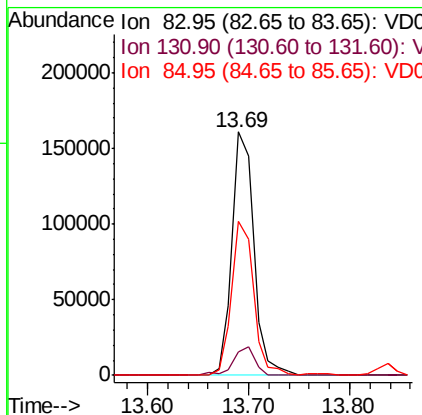
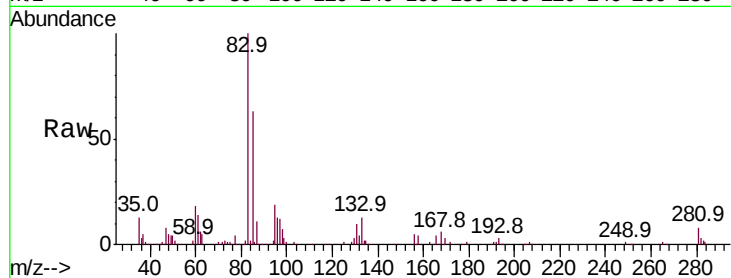
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	242454
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.5	16.7
85	63.2	30.7	92.1

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#76

1,2,3-Trichloropropane

Concen: 54.107 ug/l

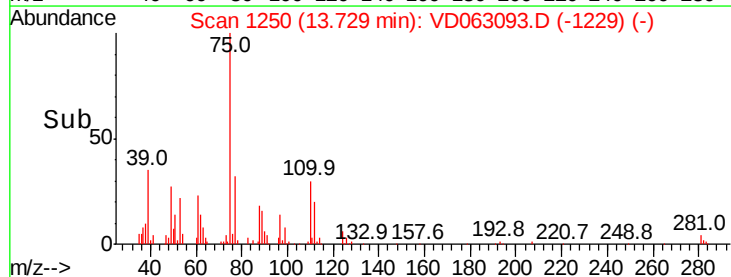
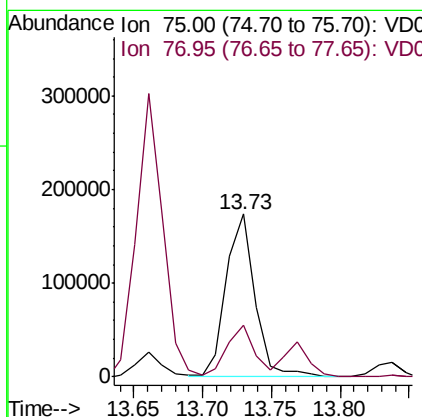
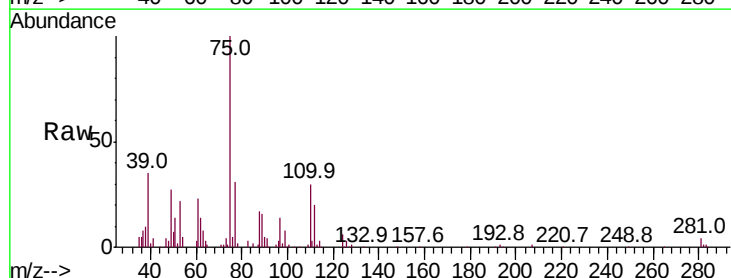
RT: 13.73 min Scan# 1250

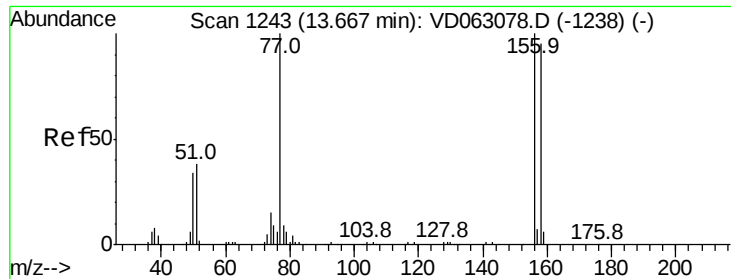
Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	75	Resp:	253554
Ion Ratio	Lower	Upper	
75	100		
77	31.4	16.3	48.8





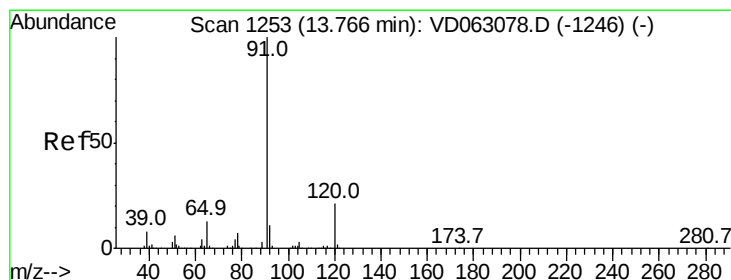
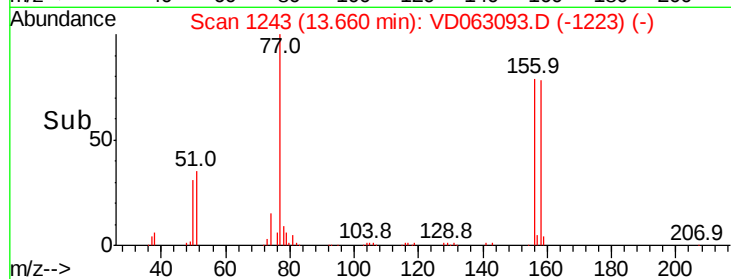
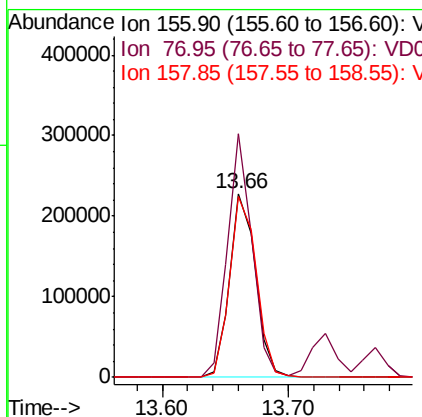
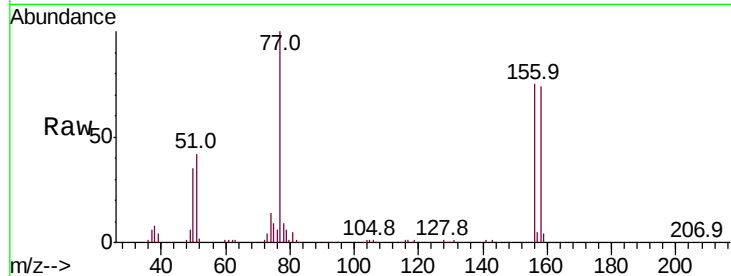
#77
Bromobenzene
Concen: 48.433 ug/l
RT: 13.66 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	132.5	50.2	150.7
158	98.3	47.6	142.9

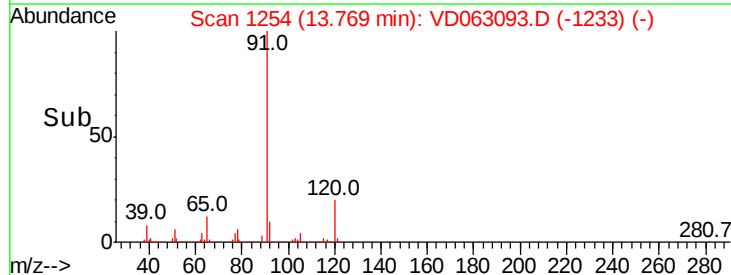
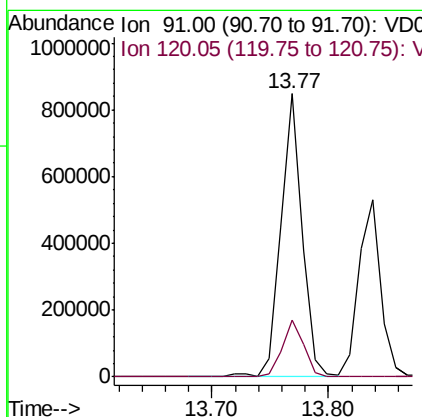
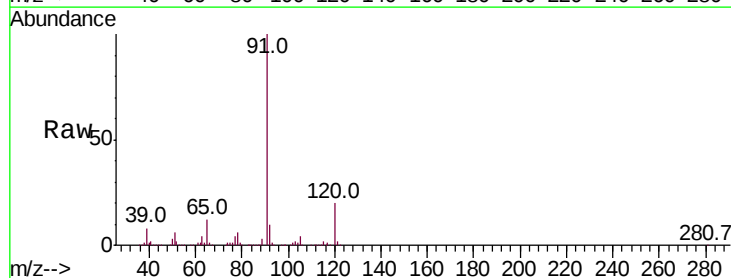
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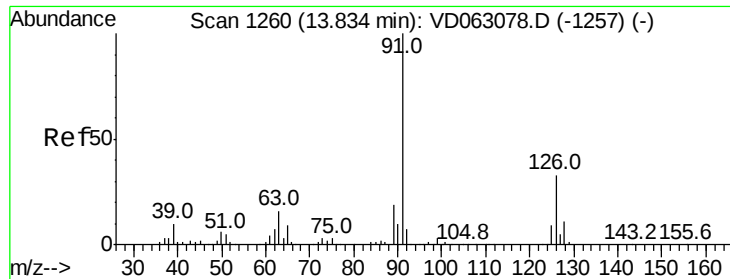
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#78
n-propylbenzene
Concen: 39.690 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.5	31.6





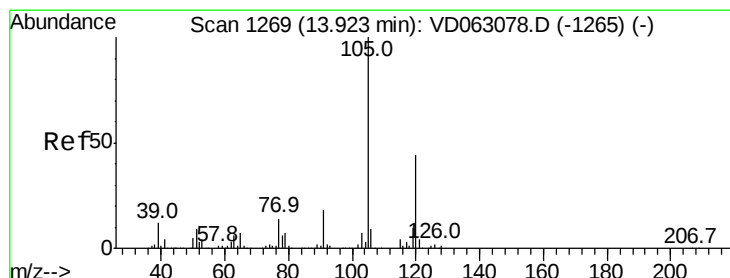
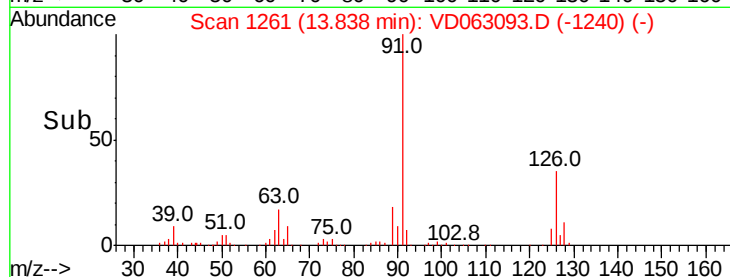
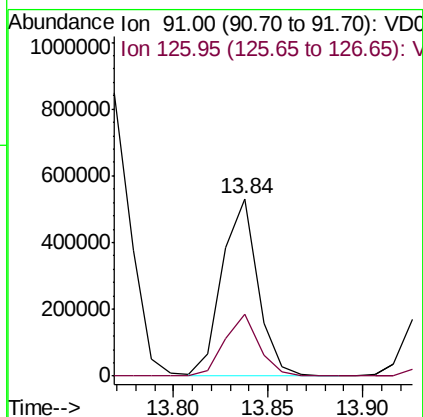
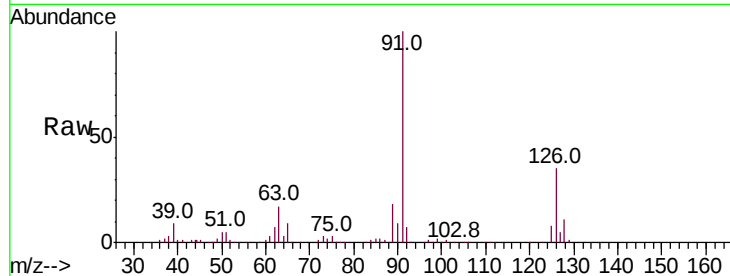
#79
2-Chlorotoluene
Concen: 42.322 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 692778
Ion Ratio Lower Upper
91 100
126 35.2 16.4 49.2

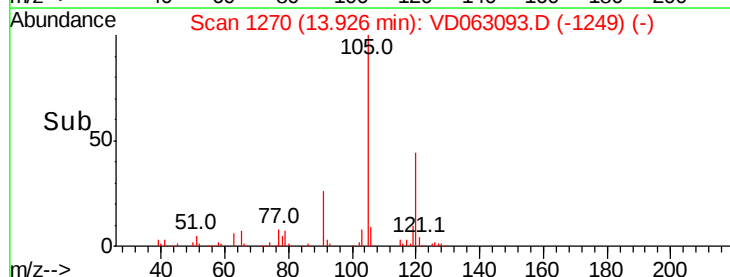
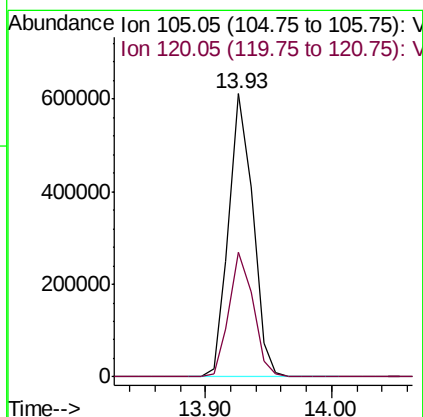
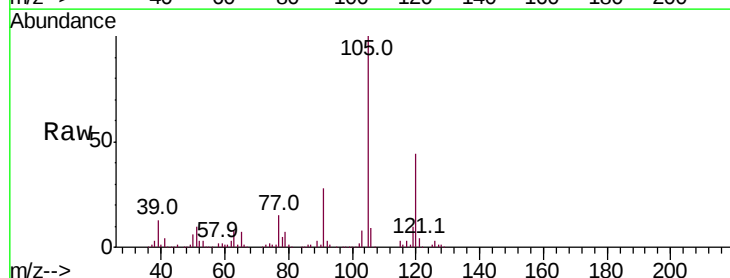
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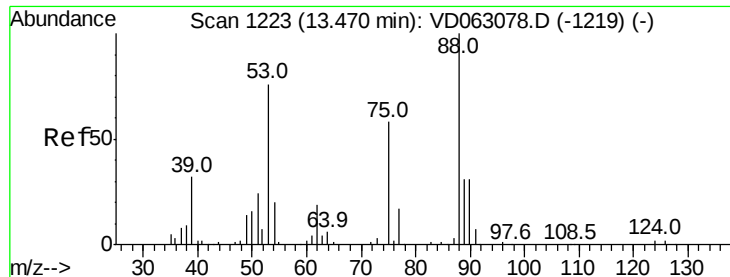
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 39.498 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion:105 Resp: 809865
Ion Ratio Lower Upper
105 100
120 44.3 21.8 65.4





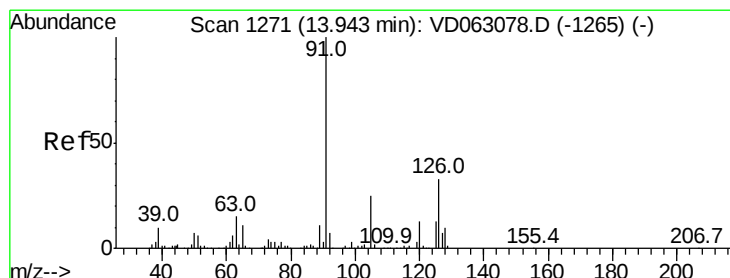
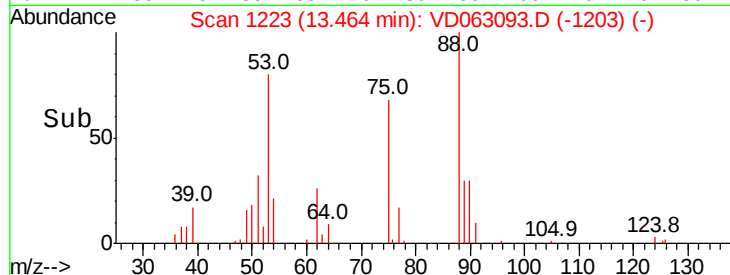
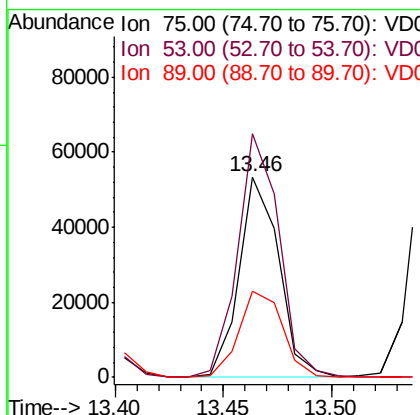
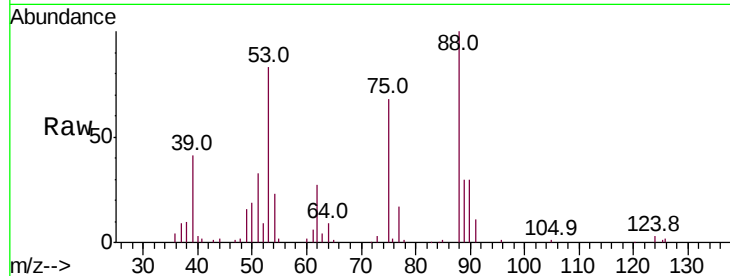
#81
trans-1,4-Dichloro-2-butene
Concen: 55.773 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 68826
Ion Ratio Lower Upper
75 100
53 121.5 104.4 156.6
89 43.2 43.1 64.7

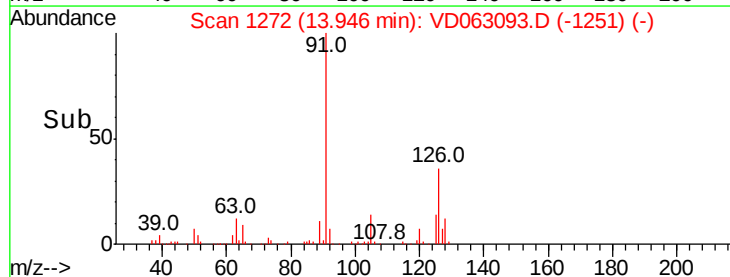
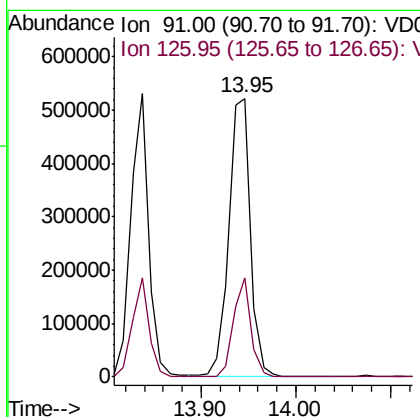
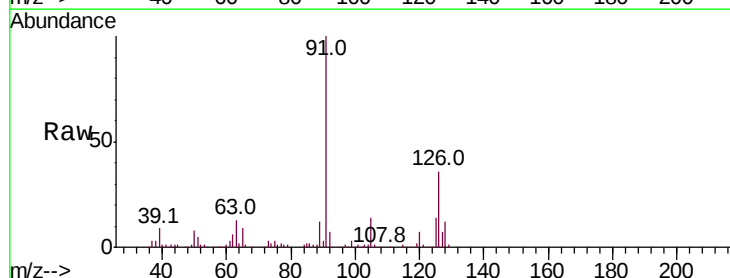
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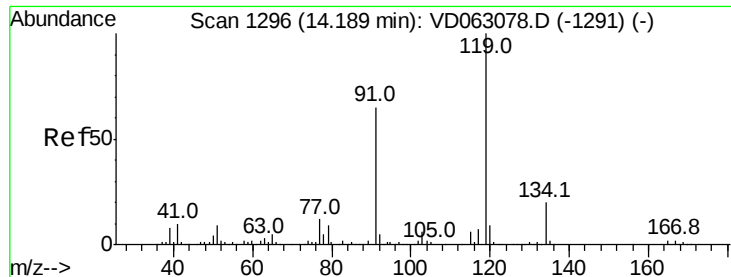
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#82
4-Chlorotoluene
Concen: 43.180 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion: 91 Resp: 825382
Ion Ratio Lower Upper
91 100
126 35.5 16.7 50.1





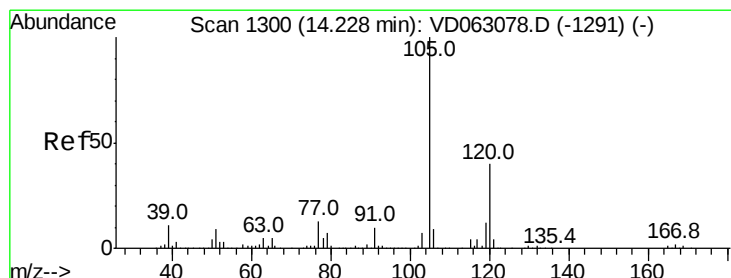
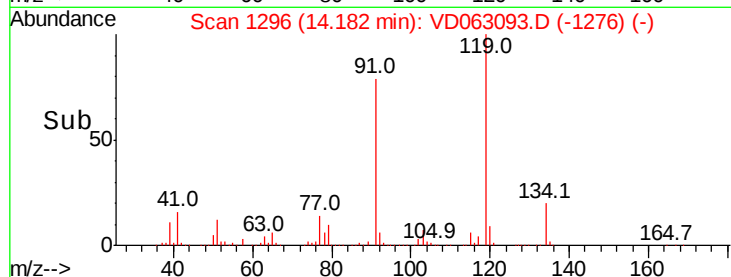
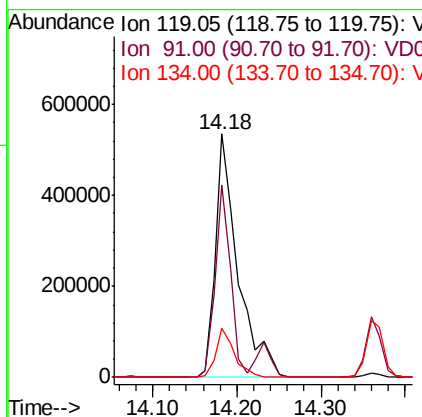
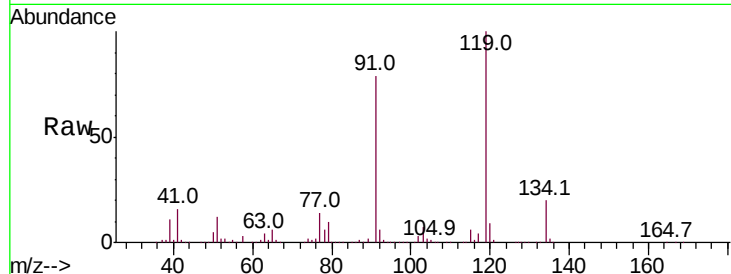
#83
tert-Butylbenzene
Concen: 42.827 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	992897		
91	79.0	32.4	97.2	
134	20.0	10.2	30.6	

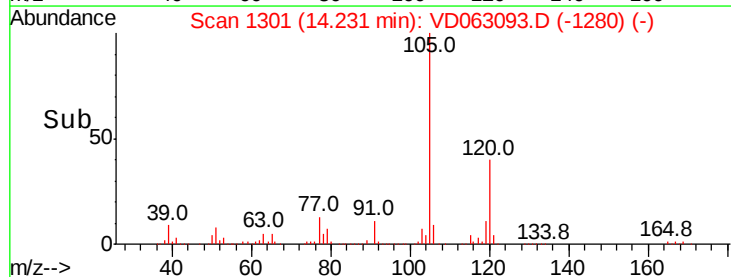
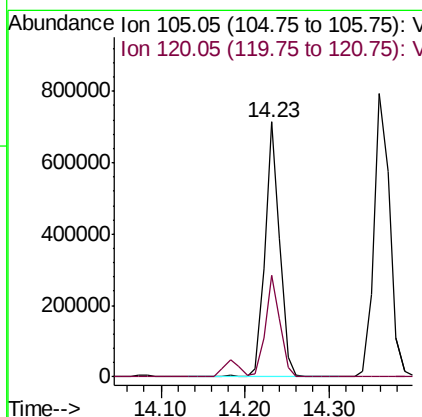
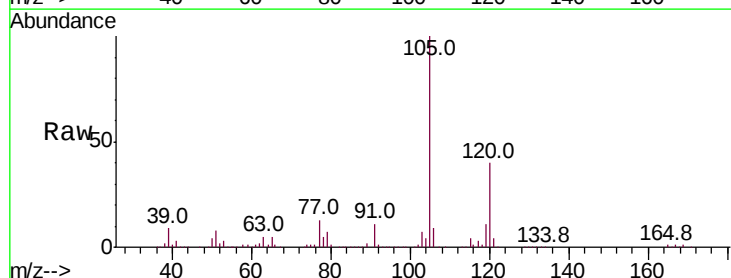
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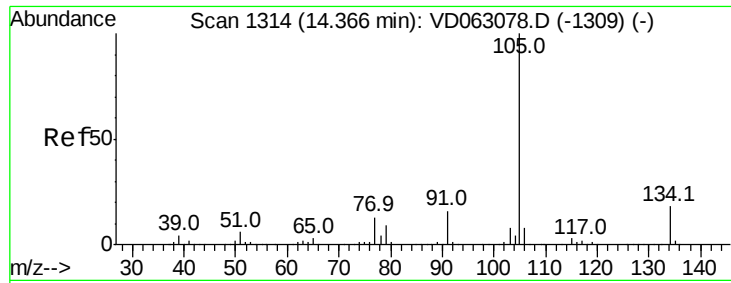
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#84
1,2,4-Trimethylbenzene
Concen: 43.585 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	890956		
120	39.9	20.2	60.6	





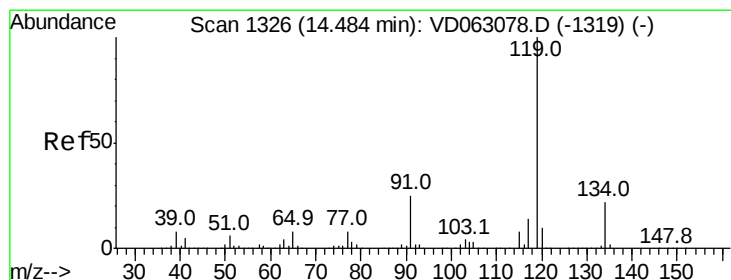
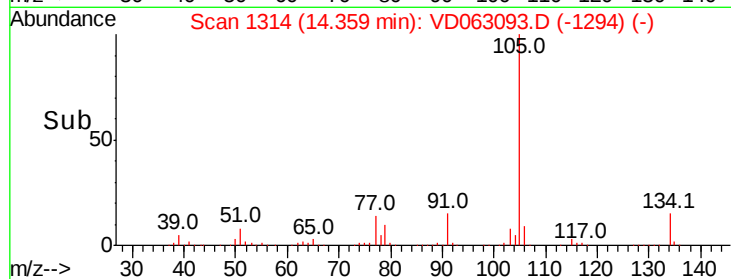
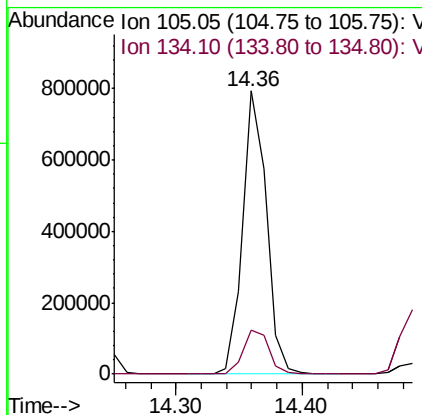
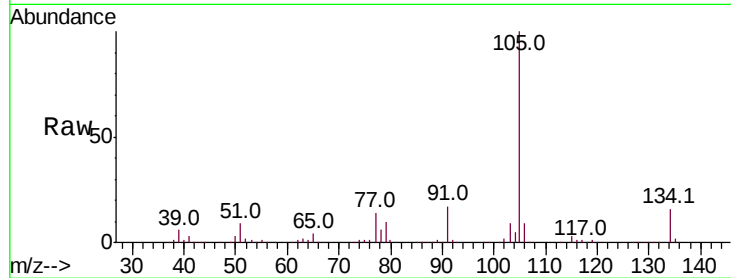
#85
 sec-Butylbenzene
 Concen: 41.906 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1032255
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.9 26.8

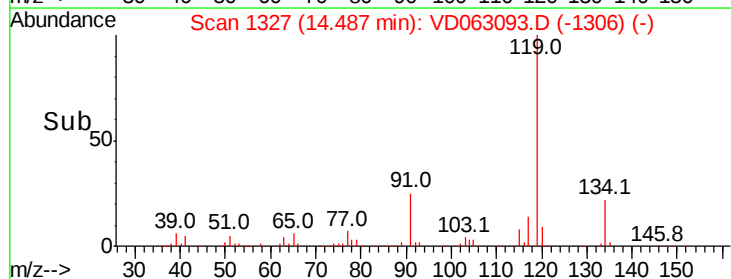
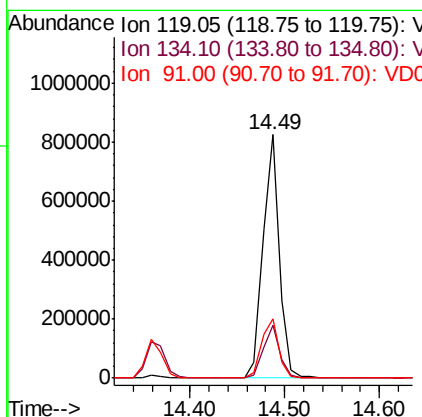
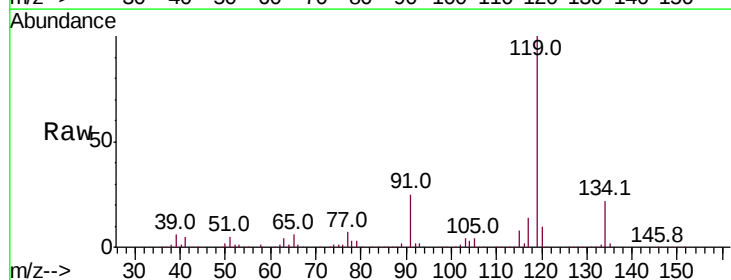
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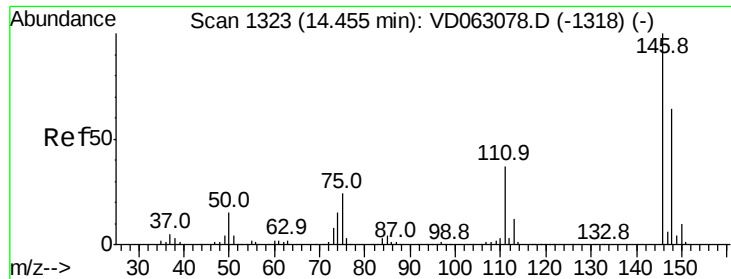
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#86
 p-Isopropyltoluene
 Concen: 43.534 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion:119 Resp: 1000373
 Ion Ratio Lower Upper
 119 100
 134 21.8 10.8 32.4
 91 24.6 12.5 37.5





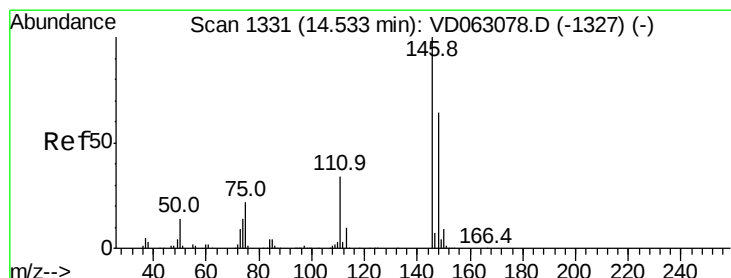
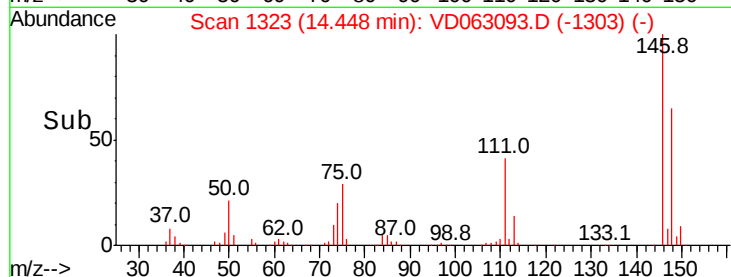
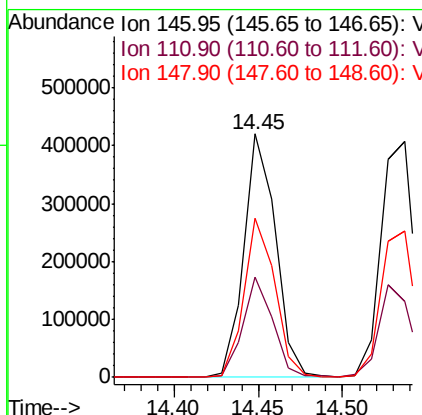
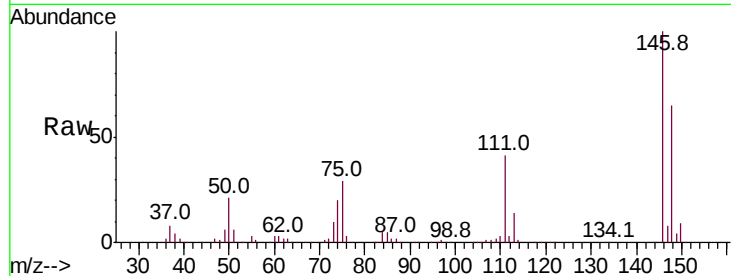
#87
 1,3-Dichlorobenzene
 Concen: 46.241 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.6	55.6
148	65.5	32.0	96.0

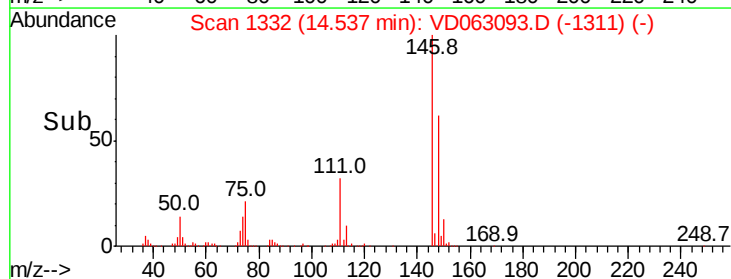
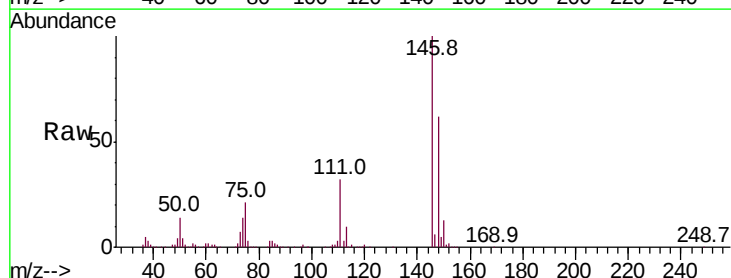
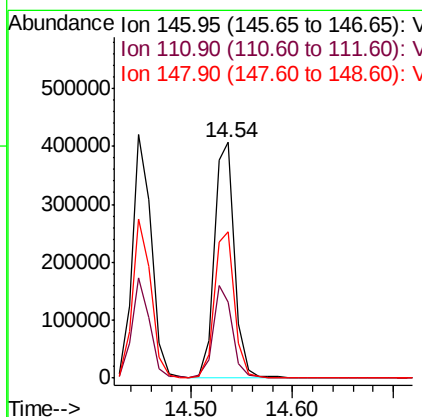
Manual Integrations
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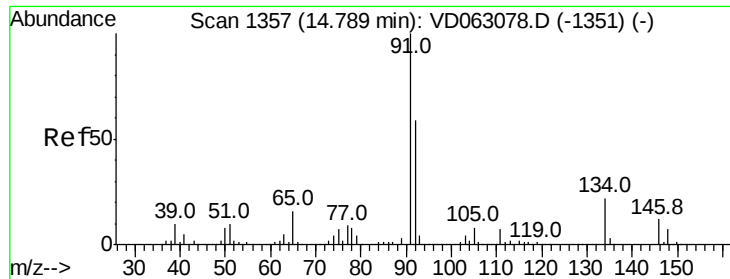
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#88
 1,4-Dichlorobenzene
 Concen: 49.846 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.0	17.0	51.0
148	62.4	32.0	96.2





#89

n-Butylbenzene

Concen: 42.561 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Instrument :

MSVOA_D

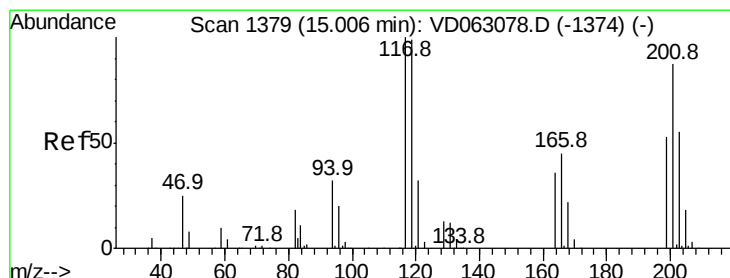
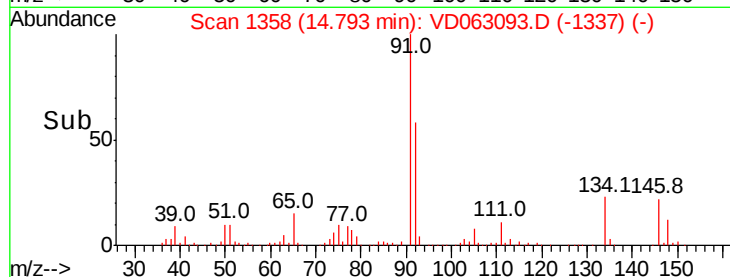
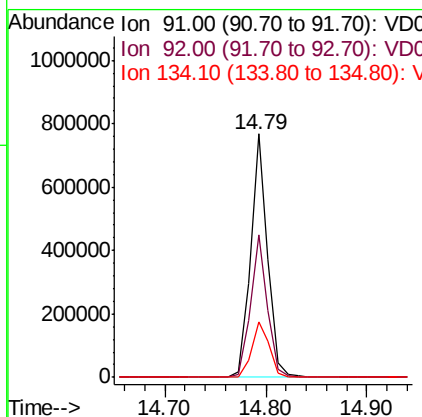
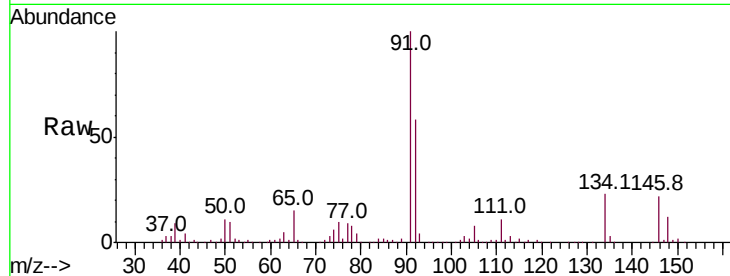
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	901452
Ion Ratio	Lower	Upper	
91	100		
92	58.5	29.4	88.3
134	23.0	11.3	33.8

Manual Integrations
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#90

Hexachloroethane

Concen: 43.075 ug/l

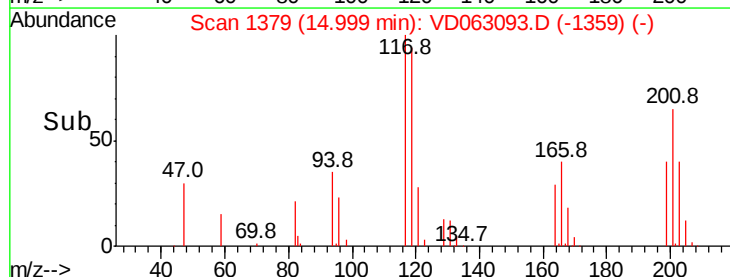
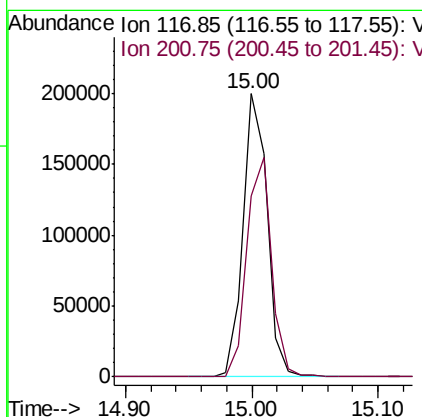
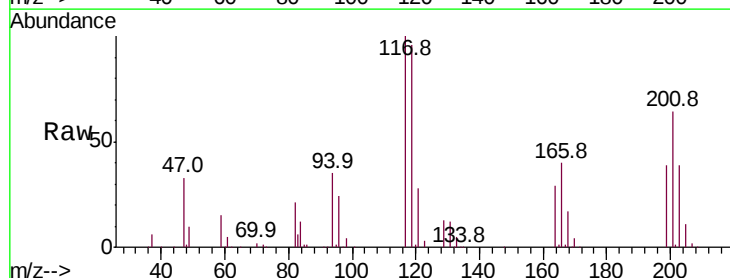
RT: 15.00 min Scan# 1379

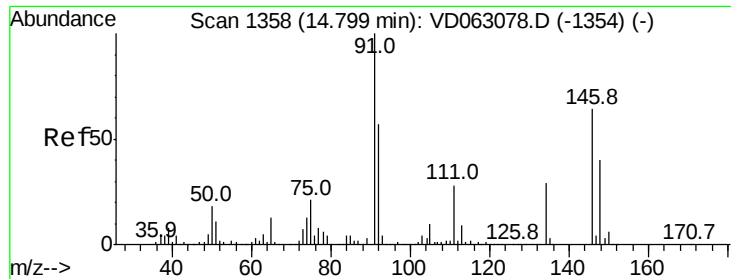
Delta R.T. -0.01 min

Lab File: VD063093.D

Acq: 15 Jul 2019 20:59

Tgt Ion:	117	Resp:	264612
Ion Ratio	Lower	Upper	
117	100		
201	63.8	43.4	130.1





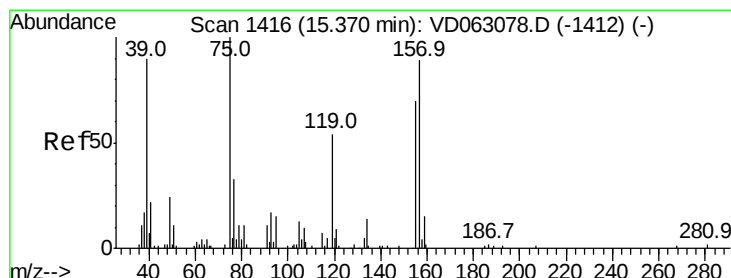
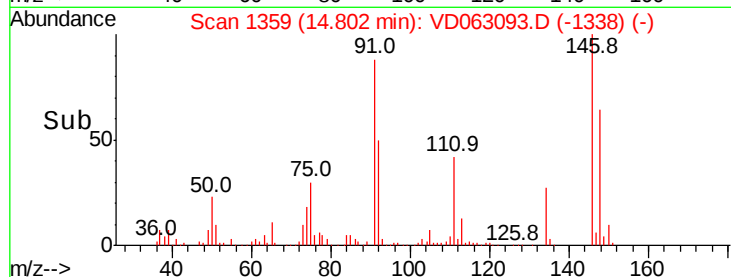
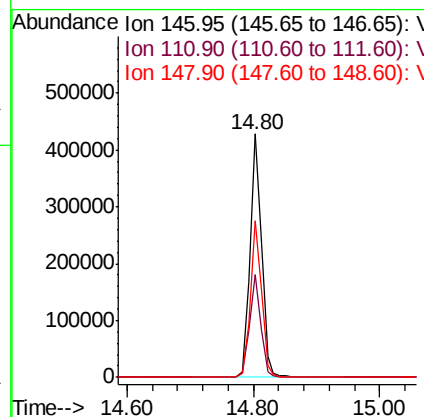
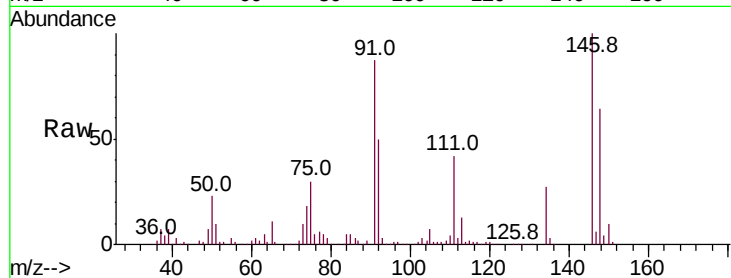
#91
 1,2-Dichlorobenzene
 Concen: 50.013 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.9	65.5
148	64.2	31.5	94.5

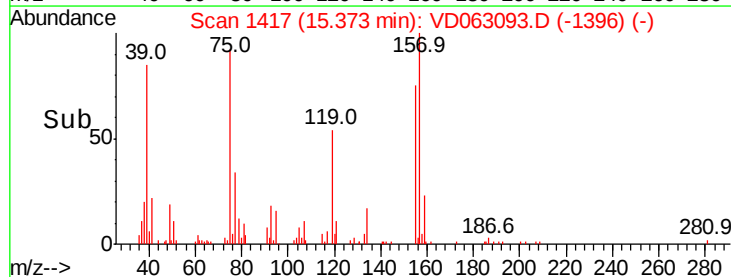
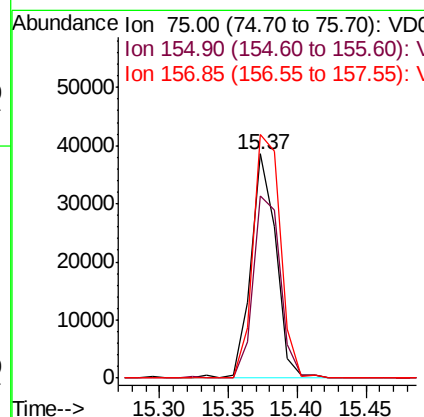
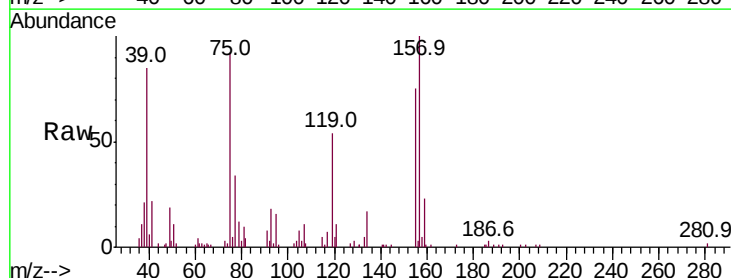
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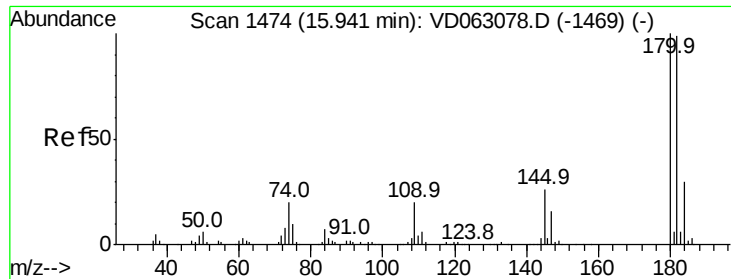
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.682 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	34.8	104.3
157	108.8	44.7	134.1





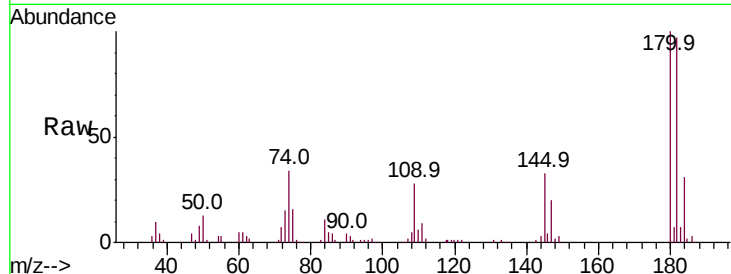
#93
 1,2,4-Trichlorobenzene
 Concen: 44.120 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

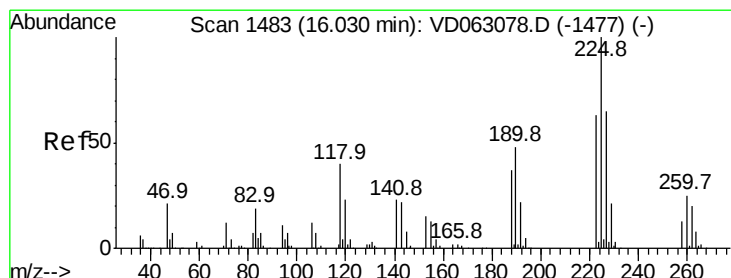
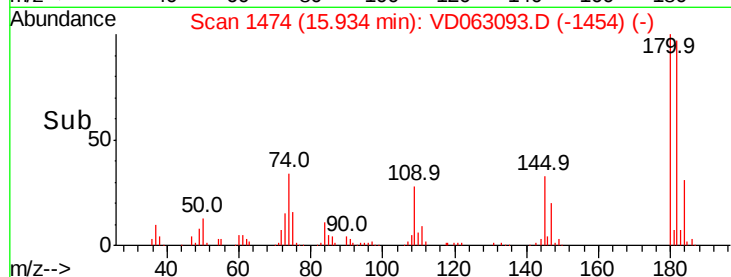
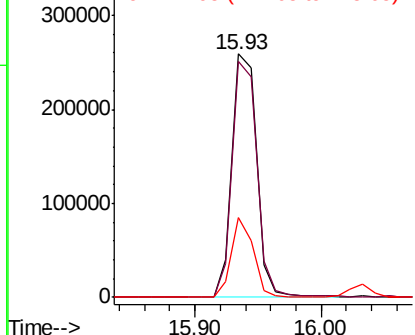
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	49.5	148.3	
145	32.8	12.8	38.4	

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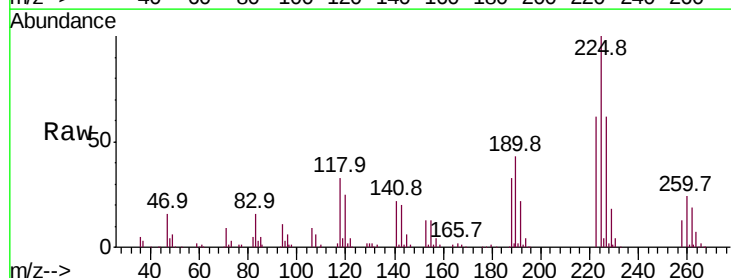


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

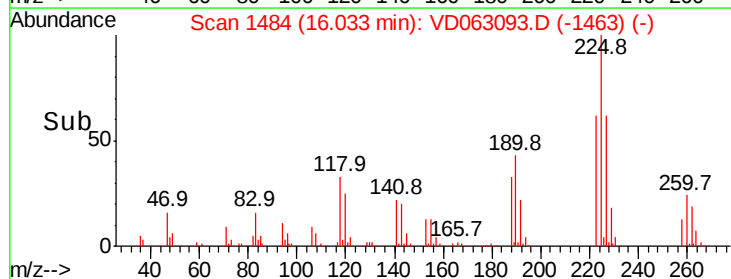
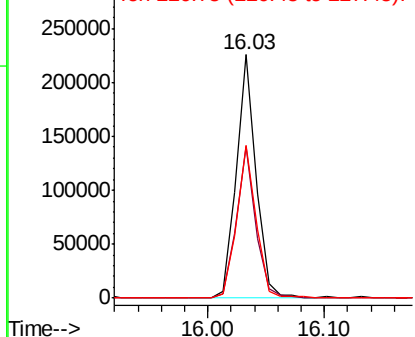


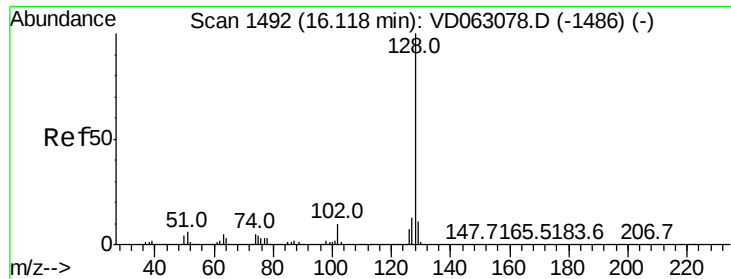
#94
 Hexachlorobutadiene
 Concen: 45.065 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063093.D
 Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.4	94.2	
227	62.5	32.6	97.8	



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





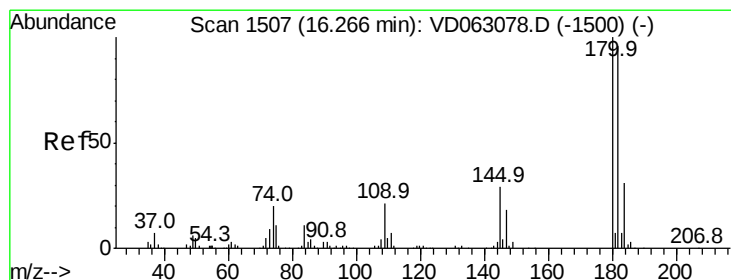
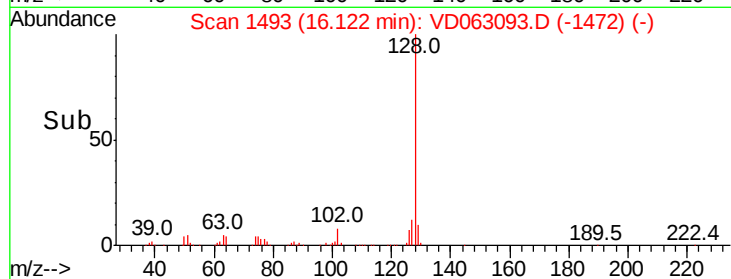
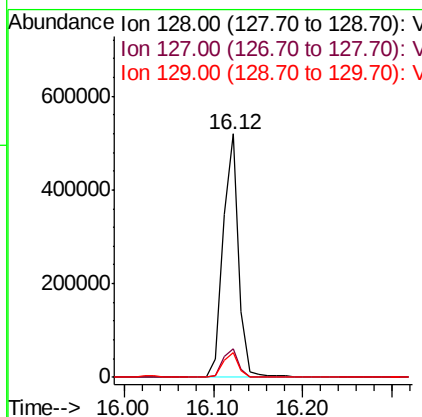
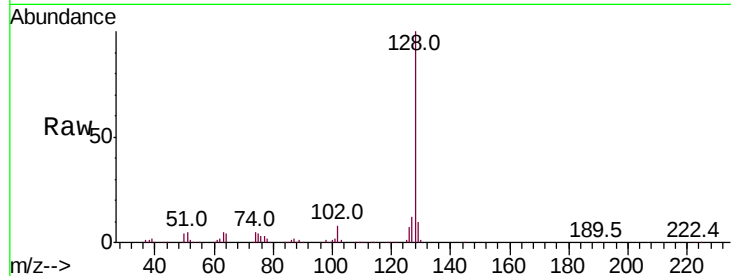
#95
Naphthalene
Concen: 54.991 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.7	16.1
129	9.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 45.708 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063093.D
Acq: 15 Jul 2019 20:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.6
145	28.1	14.4	43.4

