

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063078.D
 Acq On : 15 Jul 2019 12:15
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:02 AM

Quant Time: Jul 16 07:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:23:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	773270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1074035	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	896168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	465413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	471240	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	6.91	113	493387	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.40	98	1038994	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	13.55	95	478757	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	413906	42.506	ug/l	100
3) Chloromethane	1.75	50	335296	45.056	ug/l	100
4) Vinyl Chloride	1.83	62	352471	47.852	ug/l	100
5) Bromomethane	2.14	94	154589	46.036	ug/l	100
6) Chloroethane	2.26	64	175795	52.303	ug/l	100
7) Trichlorofluoromethane	2.52	101	796476	52.474	ug/l	100
8) Diethyl Ether	2.86	74	107410	56.055	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.13	101	397253	48.703	ug/l	100
10) Methyl Iodide	3.29	142	555729	51.731	ug/l	100
11) Tert butyl alcohol	4.08	59	135852	328.935	ug/l	100
12) 1,1-Dichloroethene	3.11	96	289359	47.538	ug/l	100
13) Acrolein	3.02	56	24695	71.392	ug/l	100
14) Allyl chloride	3.61	41	507401	55.313	ug/l	100
15) Acrylonitrile	4.18	53	286413	305.621	ug/l	100
16) Acetone	3.21	43	613370	306.078	ug/l	100
17) Carbon Disulfide	3.36	76	838319	43.975	ug/l	100
18) Methyl Acetate	3.64	43	147264	56.316	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	811908	59.628	ug/l	100
20) Methylene Chloride	3.80	84	390707	58.687	ug/l	100
21) trans-1,2-Dichloroethene	4.21	96	325997	50.062	ug/l	100
22) Diisopropyl ether	5.11	45	1111874	58.411	ug/l	100
23) Vinyl Acetate	5.04	43	3465455	292.238	ug/l	100
24) 1,1-Dichloroethane	4.96	63	682352	55.847	ug/l	100
25) 2-Butanone	6.06	43	545231	327.308	ug/l	100
26) 2,2-Dichloropropane	6.01	77	745036	57.300	ug/l	100
27) cis-1,2-Dichloroethene	6.02	96	399359	56.491	ug/l	100
28) Bromochloromethane	6.43	49	253022	57.952	ug/l	100
29) Tetrahydrofuran	6.45	42	244895	312.701	ug/l	100
30) Chloroform	6.65	83	821855	55.409	ug/l	100
31) Cyclohexane	6.93	56	405577	51.343	ug/l	100
32) 1,1,1-Trichloroethane	6.85	97	817936	53.581	ug/l	100
36) 1,1-Dichloropropene	7.13	75	527310	51.802	ug/l	100
37) Ethyl Acetate	6.18	43	248666	52.095	ug/l	100
38) Carbon Tetrachloride	7.10	117	817521m	53.085	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	439026	49.467	ug/l	100
40) Benzene	7.45	78	1165169	56.061	ug/l	100
41) Methacrylonitrile	6.43	41	318014	57.606	ug/l	100
42) 1,2-Dichloroethane	7.56	62	604583	53.968	ug/l	100
43) Isopropyl Acetate	9.23	43	351973	63.296	ug/l	100
44) Trichloroethene	8.53	130	425446	52.973	ug/l	100
45) 1,2-Dichloropropane	8.93	63	279104	54.126	ug/l	100
46) Dibromomethane	9.06	93	249612	55.931	ug/l	100
47) Bromodichloromethane	9.37	83	650695	56.821	ug/l	100
48) Methyl methacrylate	9.11	41	225447	57.463	ug/l	100
49) 1,4-Dioxane	9.07	88	42386	1273.090	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1196789	302.864	ug/l	100
52) Toluene	10.50	92	748542	54.051	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	564616	58.980	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	597388	57.866	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	269165	55.536	ug/l	100
56) Ethyl methacrylate	11.03	69	306077	58.977	ug/l	100
57) 1,3-Dichloropropane	11.40	76	393465	53.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	918958	331.431	ug/l	100
59) 2-Hexanone	11.52	43	939347	328.993	ug/l	100
60) Dibromochloromethane	11.68	129	526301	58.209	ug/l	100
61) 1,2-Dibromoethane	11.80	107	315429	55.578	ug/l	100
64) Tetrachloroethene	11.25	164	372263	50.134	ug/l	100
65) Chlorobenzene	12.39	112	967995	56.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	441265	55.538	ug/l	100
67) Ethyl Benzene	12.52	91	1623494	53.335	ug/l	100
68) m/p-Xylenes	12.66	106	1142118	108.414	ug/l	100
69) o-Xylene	13.05	106	561040	57.774	ug/l	100
70) Styrene	13.07	104	1006018	58.451	ug/l	100
71) Bromoform	13.22	173	324432	58.875	ug/l	100
73) Isopropylbenzene	13.40	105	1658495	54.458	ug/l	100
74) N-amyl acetate	13.26	43	494805	64.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	318575	61.779	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	355679	62.787	ug/l	100
77) Bromobenzene	13.67	156	480300	58.219	ug/l	100
78) n-propylbenzene	13.77	91	2030366	56.420	ug/l	100
79) 2-Chlorotoluene	13.83	91	1167887	57.011	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1432624	55.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	91679	61.911	ug/l	100
82) 4-Chlorotoluene	13.94	91	1369654	55.637	ug/l	100
83) tert-Butylbenzene	14.19	119	1692019	58.503	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1472665	56.132	ug/l	100
85) sec-Butylbenzene	14.37	105	1756175	56.048	ug/l	100
86) p-Isopropyltoluene	14.48	119	1583200	56.020	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	830190	56.258	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	814720	55.184	ug/l	100
89) n-Butylbenzene	14.79	91	1488250	55.501	ug/l	100
90) Hexachloroethane	15.01	117	450894	58.719	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	758774	59.198	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.37	75	62114	62.519	ug/l	100

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:23:20 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	594615	59.108	ug/l	100
94) Hexachlorobutadiene	16.03	225	440678	57.928	ug/l	100
95) Naphthalene	16.12	128	826222	59.311	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	486102	62.300	ug/l	100

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

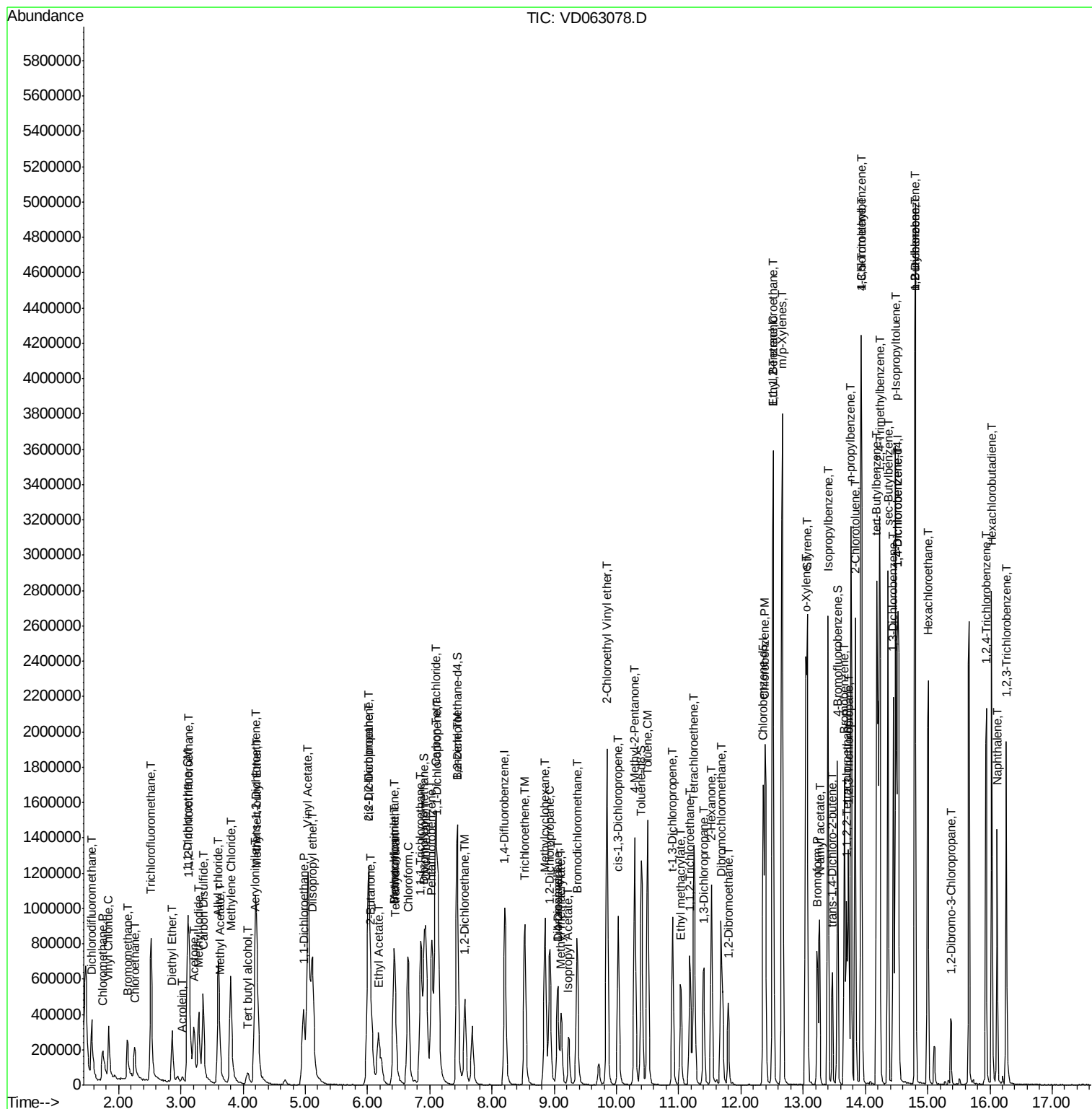
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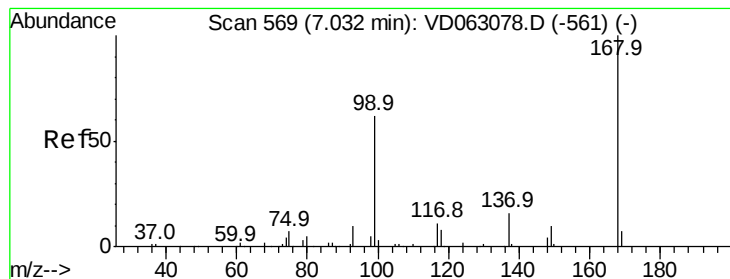
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 773270

Ion Ratio Lower Upper

168 100

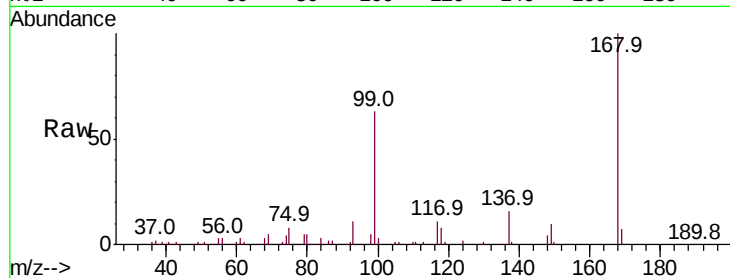
99 63.5 50.8 76.2

Manual Integrations

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7/16/2019 9:15:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

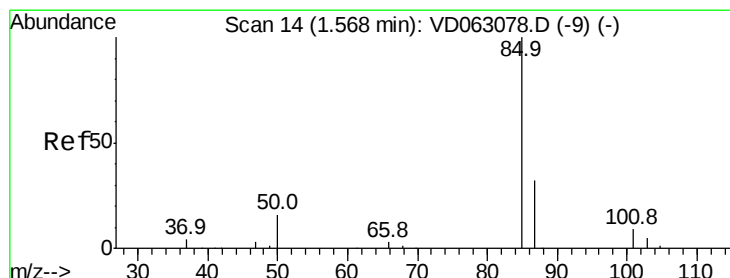
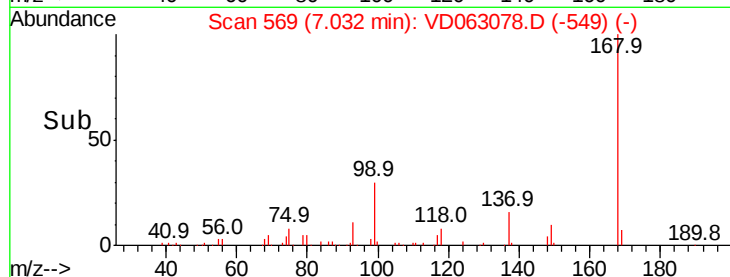
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 42.506 ug/l

RT: 1.57 min Scan# 14

Delta R.T. 0.00 min

Lab File: VD063078.D

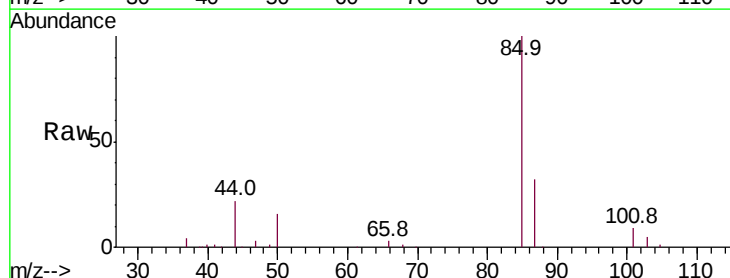
Acq: 15 Jul 2019 12:15

Tgt Ion: 85 Resp: 413906

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

200000

150000

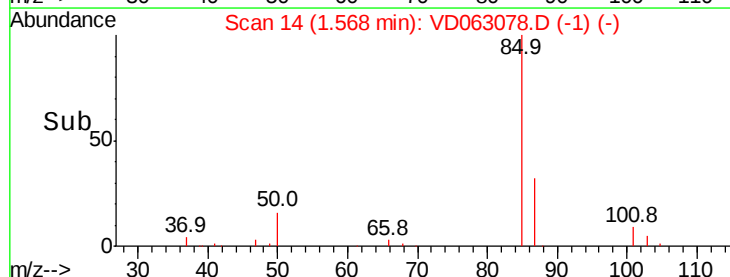
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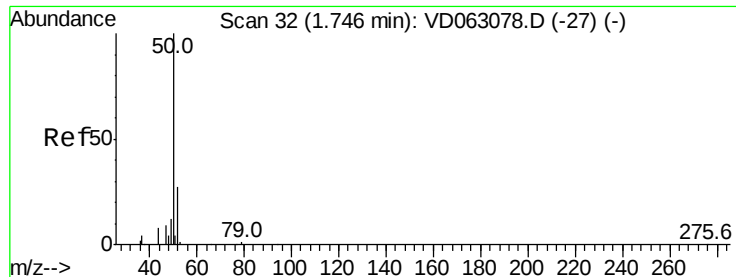
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.056 ug/l

RT: 1.75 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 335296

Ion Ratio Lower Upper

50 100

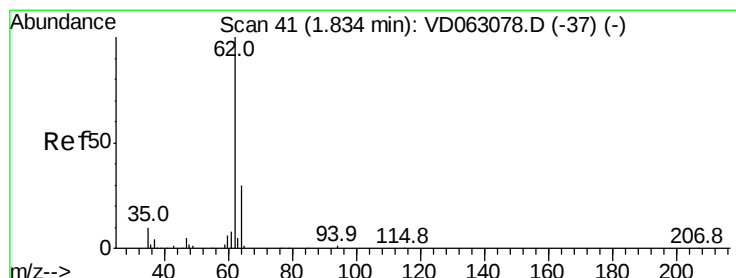
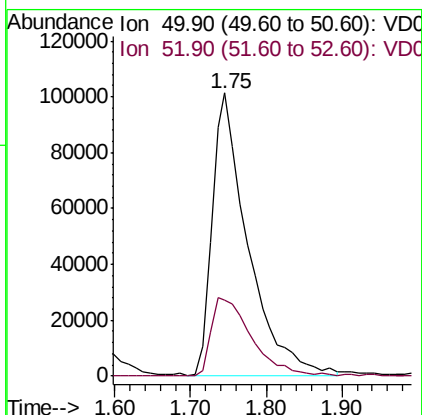
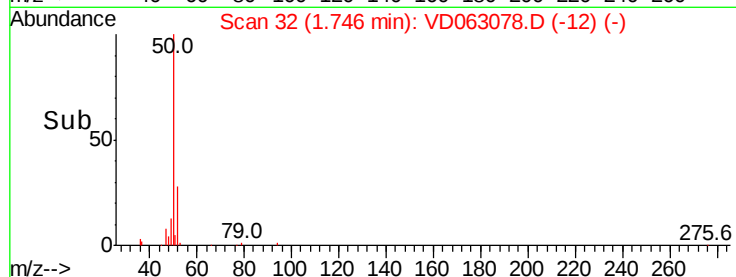
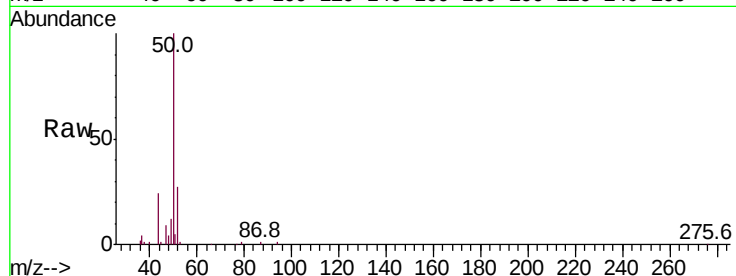
52 26.8 21.4 32.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.852 ug/l

RT: 1.83 min Scan# 41

Delta R.T. 0.00 min

Lab File: VD063078.D

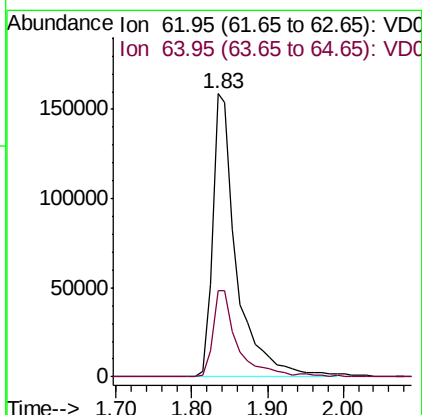
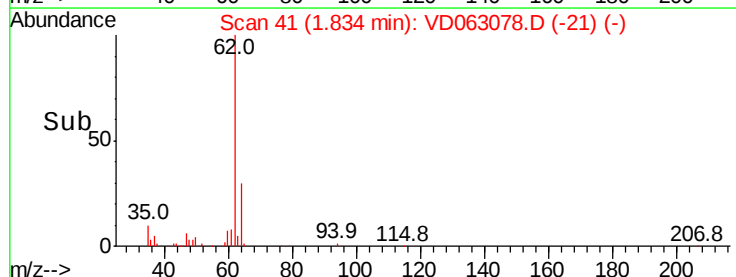
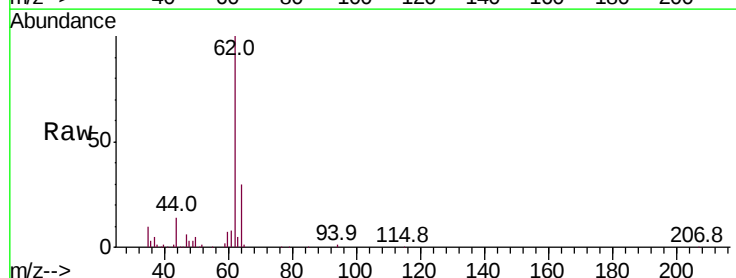
Acq: 15 Jul 2019 12:15

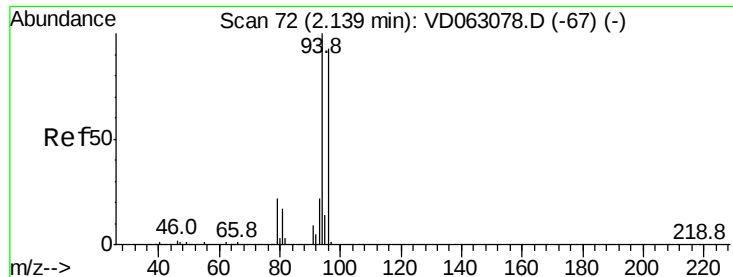
Tgt Ion: 62 Resp: 352471

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 46.036 ug/l

RT: 2.14 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

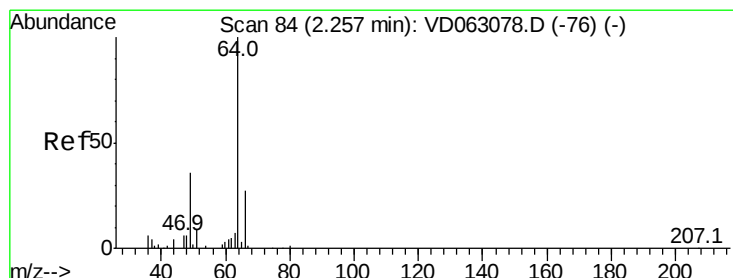
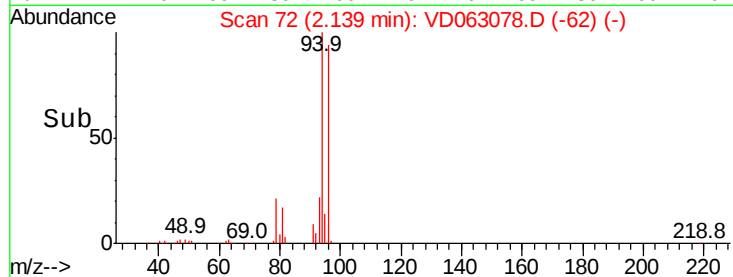
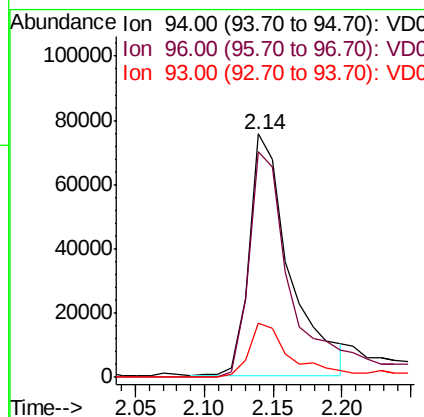
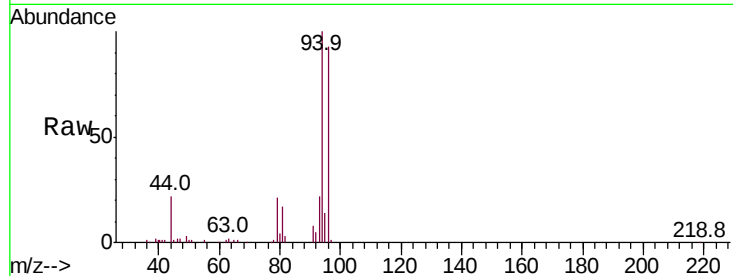
ClientSampleId :

VSTDICCC050

Tot Ion:	94	Resp:	154589
Ion	Ratio	Lower	Upper
94	100		
96	92.7	74.2	111.2
93	22.2	17.8	26.6

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#6

Chloroethane

Concen: 52.303 ug/l

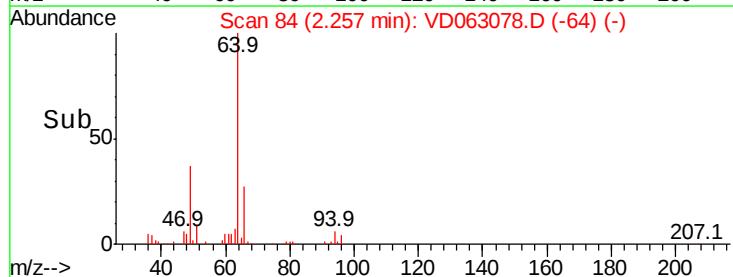
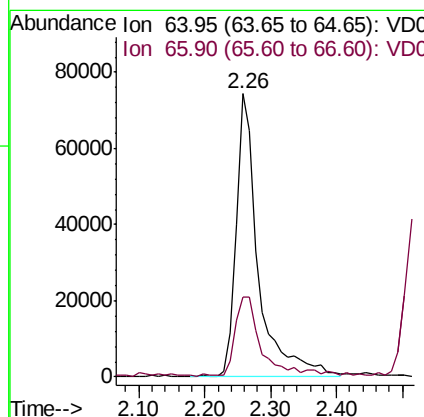
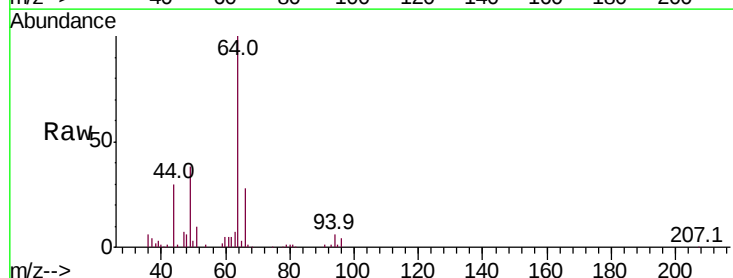
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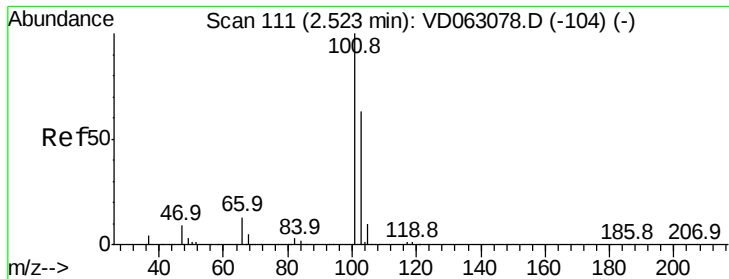
Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion:	64	Resp:	175795
Ion	Ratio	Lower	Upper
64	100		
66	28.1	22.5	33.7





#7

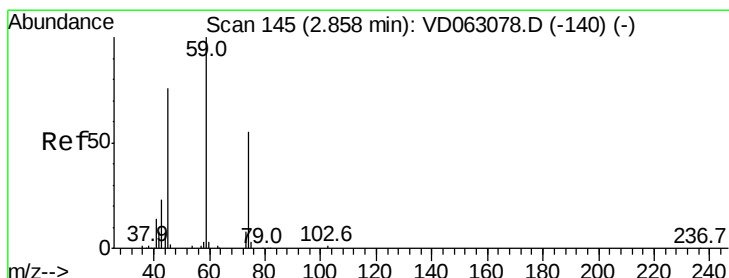
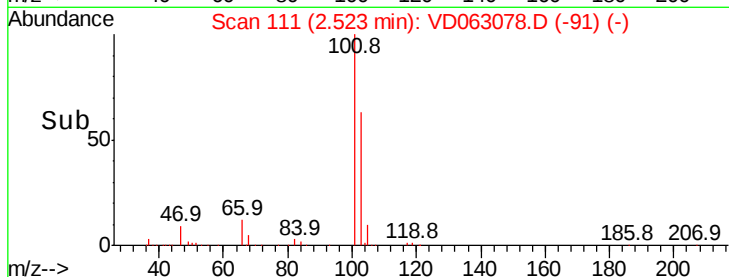
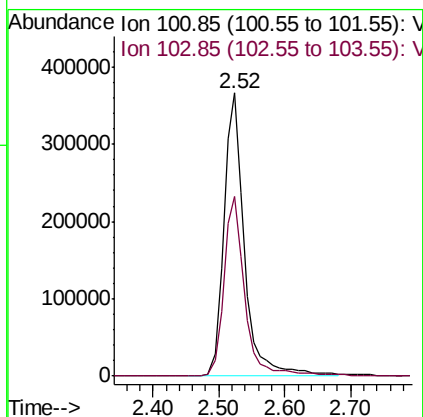
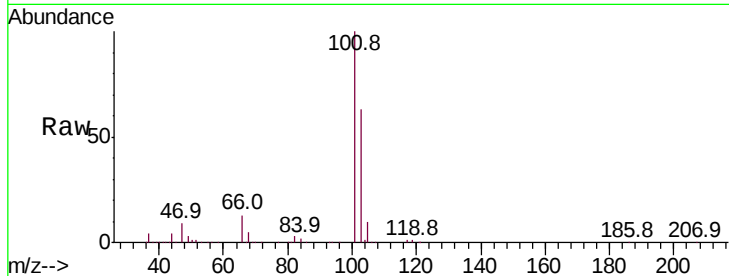
Trichlorofluoromethane
 Concen: 52.474 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.6	76.0

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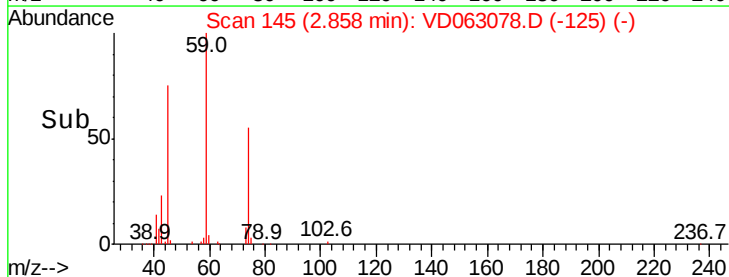
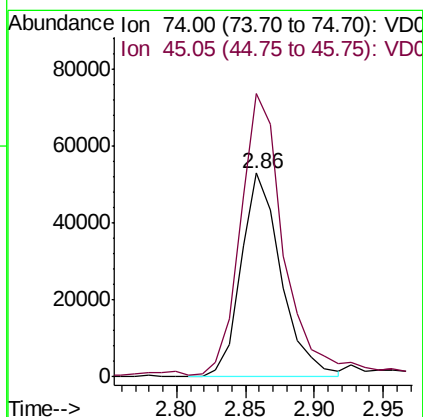
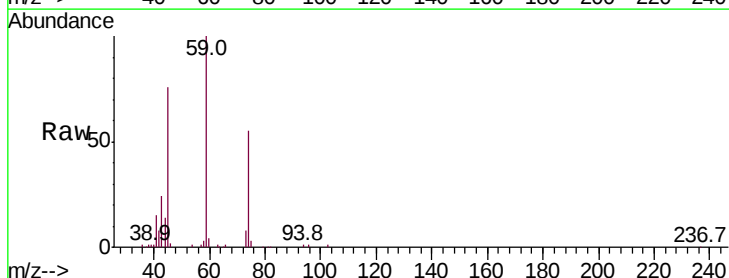
MMDadoda
 7/16/2019 9:15:02 AM

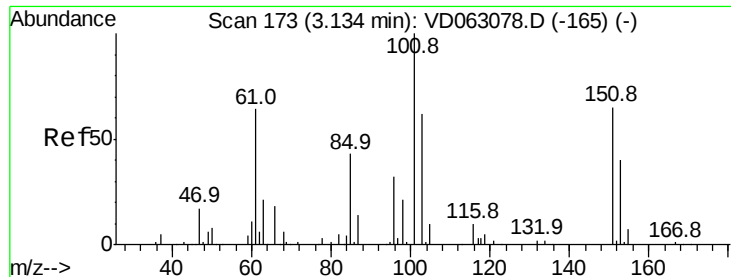


#8

Diethyl Ether
 Concen: 56.055 ug/l
 RT: 2.86 min Scan# 145
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.1	69.5	208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.703 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

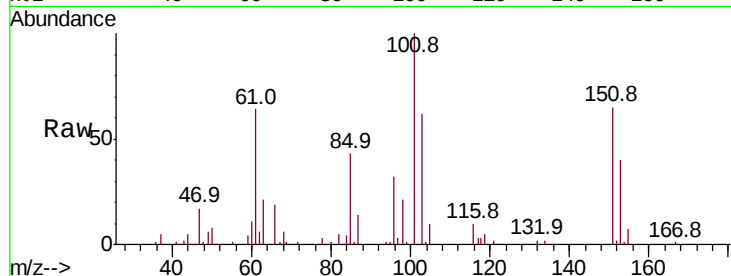
ClientSampleId :

VSTDICCC050

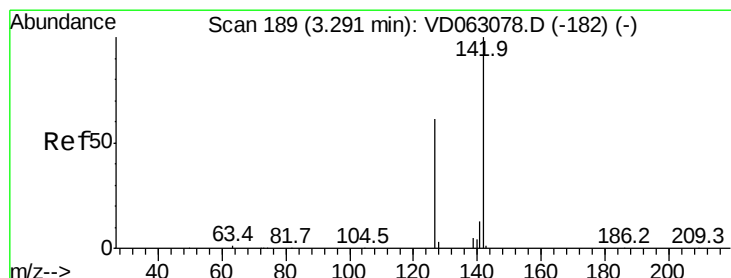
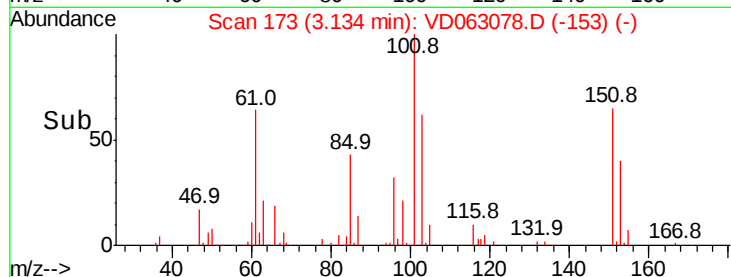
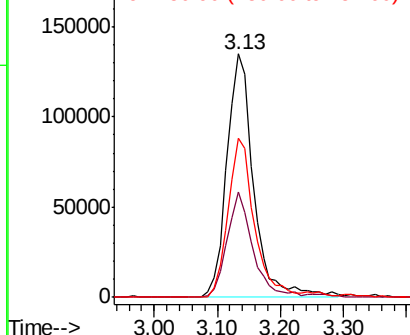
Tot Ion:	101	Resp:	397253
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	51.8
151	65.5	52.4	78.6

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



#10

Methyl Iodide

Concen: 51.731 ug/l

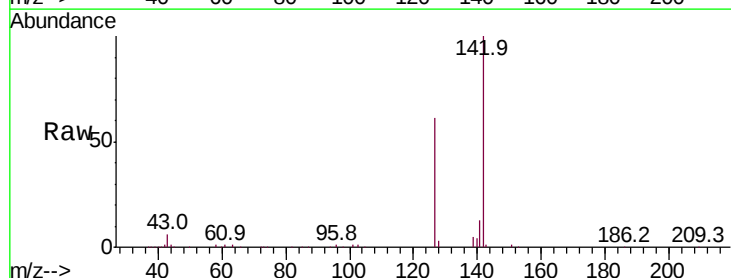
RT: 3.29 min Scan# 189

Delta R.T. 0.00 min

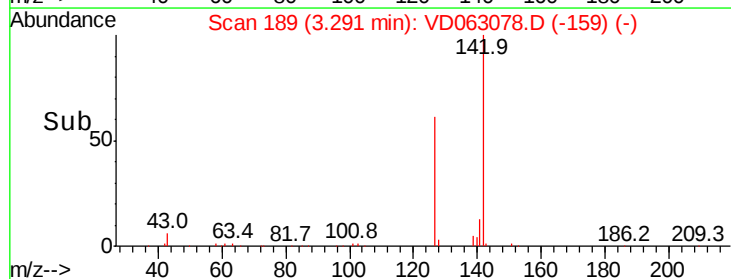
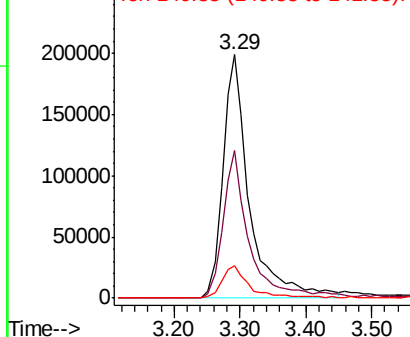
Lab File: VD063078.D

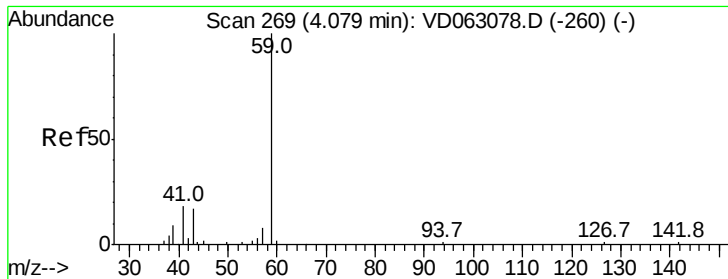
Acq: 15 Jul 2019 12:15

Tgt Ion:	142	Resp:	555729
Ion Ratio	Lower	Upper	
142	100		
127	60.8	48.6	73.0
141	13.3	10.6	16.0



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





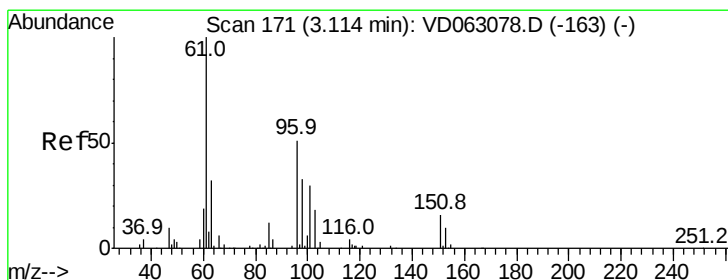
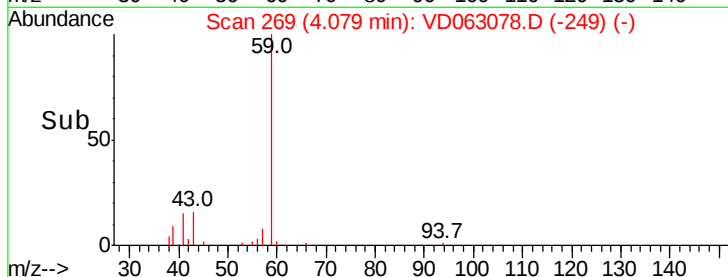
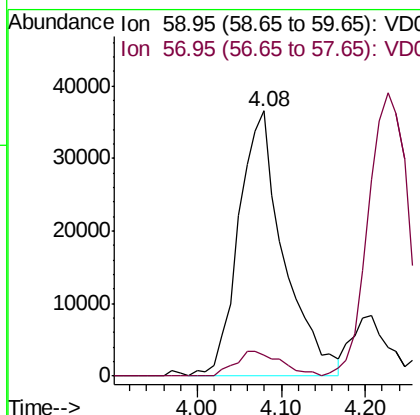
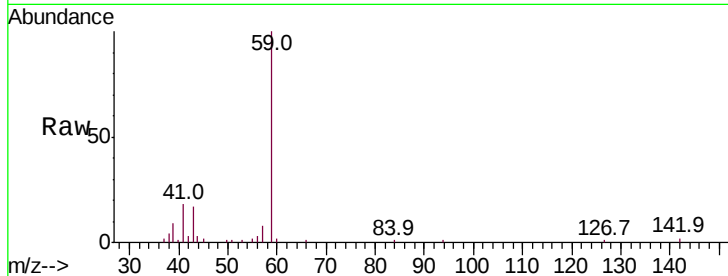
#11
Tert butyl alcohol
Concen: 328.935 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.0	6.4	9.6

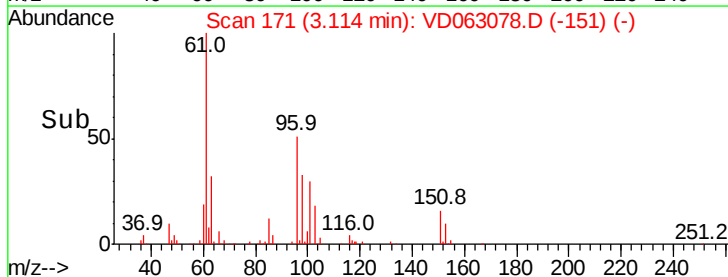
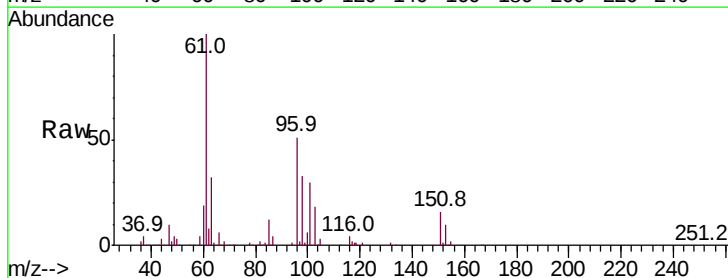
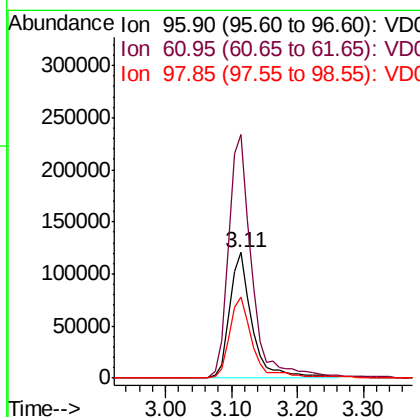
Manual Integrations
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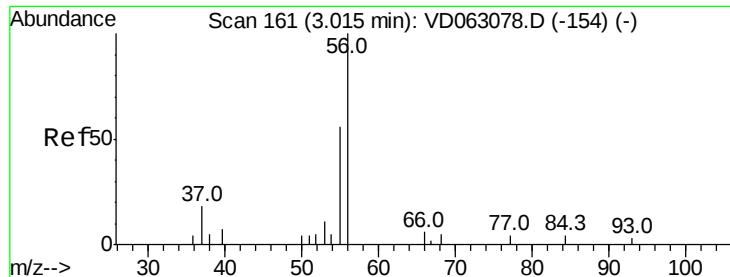
MMDadoda
7/16/2019 9:15:02 AM



#12
1,1-Dichloroethene
Concen: 47.538 ug/l
RT: 3.11 min Scan# 171
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	194.4	155.5	233.3
98	64.4	51.5	77.3





#13

Acrolein

Concen: 71.392 ug/l

RT: 3.02 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 24695

Ion Ratio Lower Upper

56 100

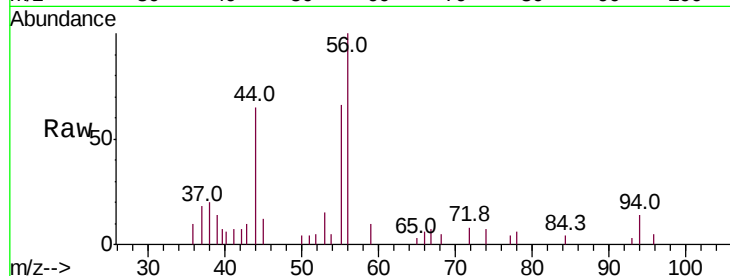
55 66.2 53.0 79.4

Manual Integrations

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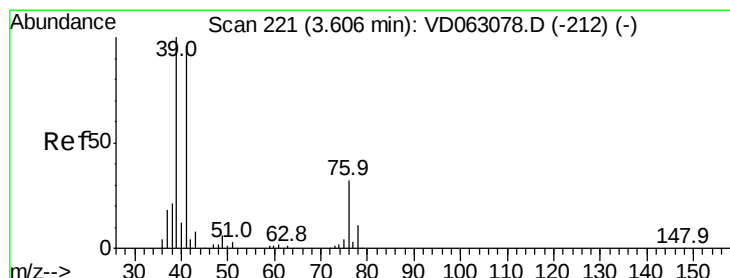
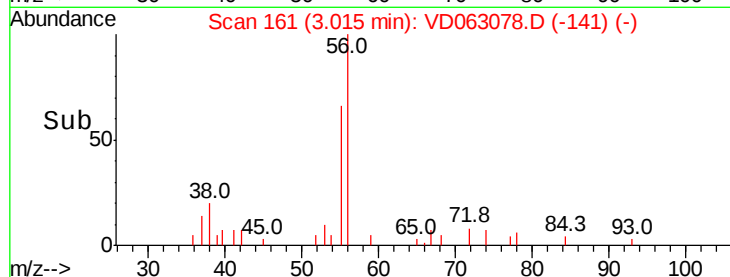
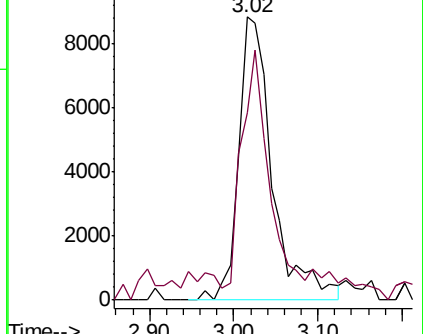
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.313 ug/l

RT: 3.61 min Scan# 221

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

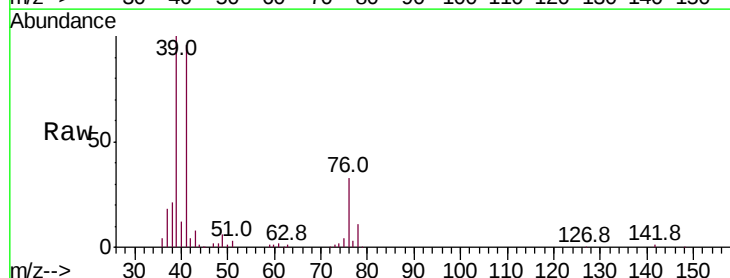
Tgt Ion: 41 Resp: 507401

Ion Ratio Lower Upper

41 100

39 104.4 83.5 125.3

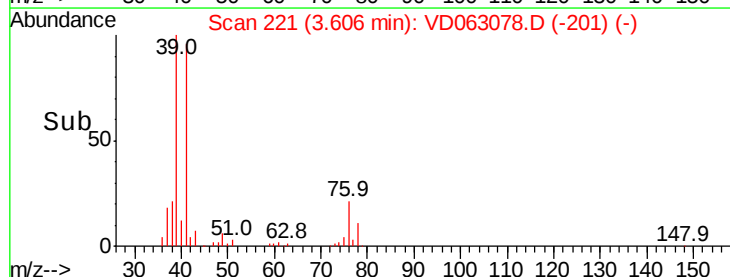
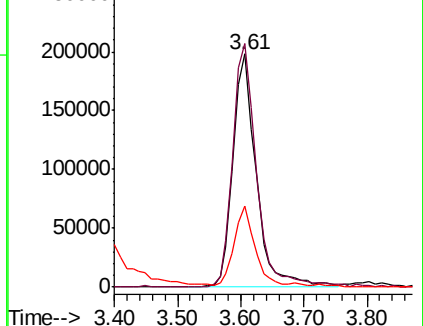
76 34.8 27.8 41.8

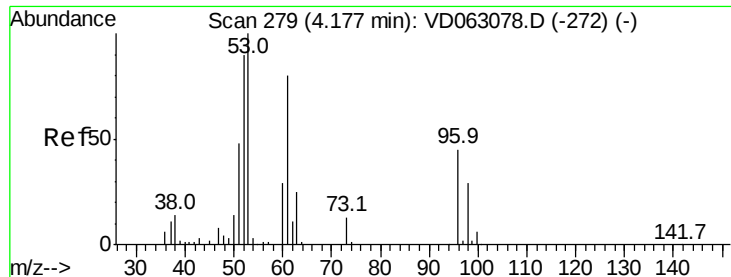


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 305.621 ug/l

RT: 4.18 min Scan# 279

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 286413

Ion Ratio Lower Upper

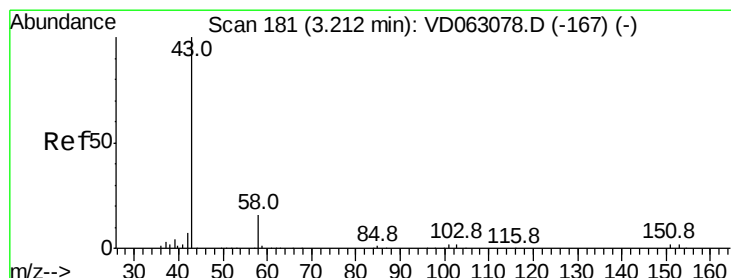
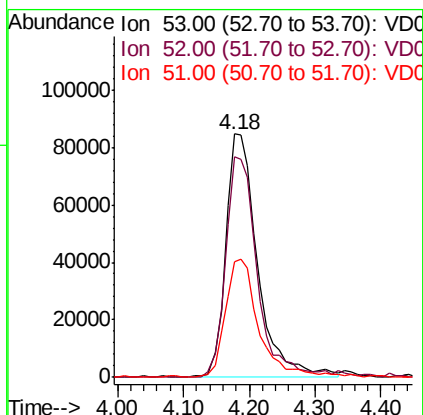
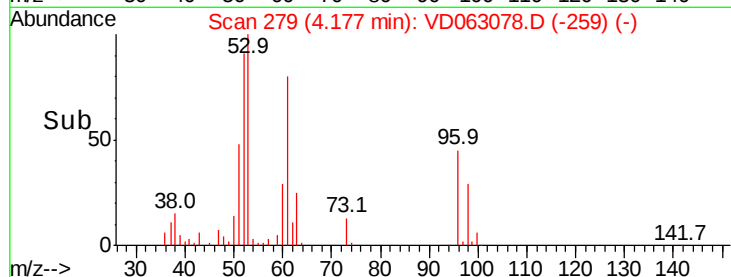
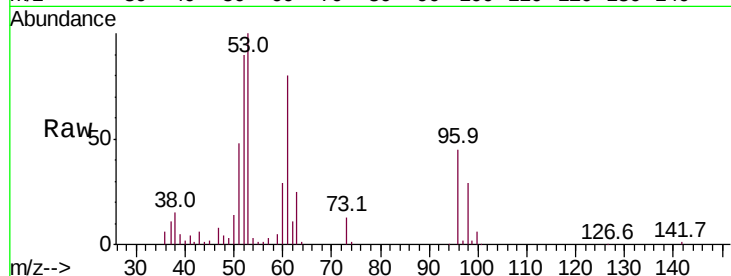
53 100

52 90.4 72.3 108.5

51 47.5 38.0 57.0

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#16

Acetone

Concen: 306.078 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD063078.D

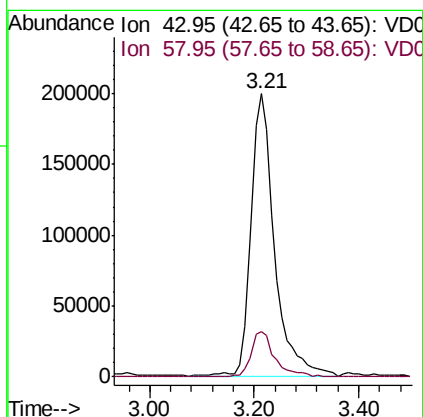
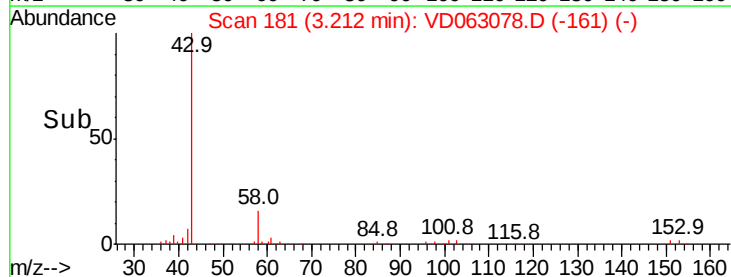
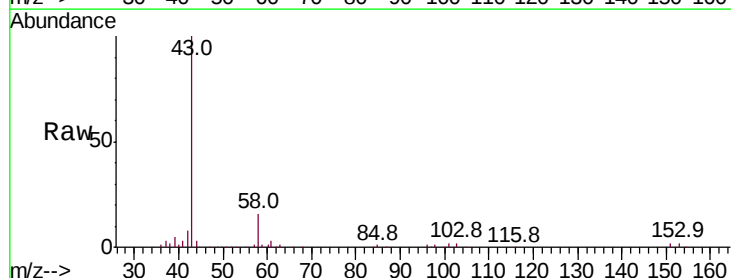
Acq: 15 Jul 2019 12:15

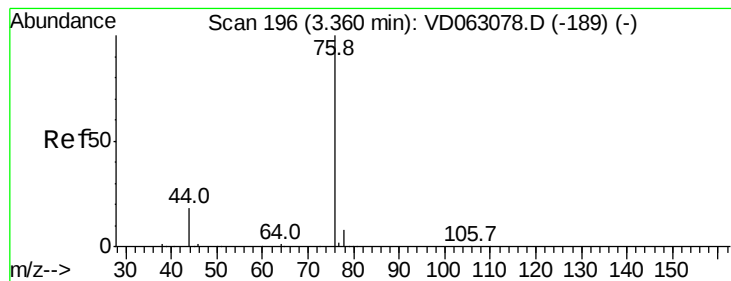
Tgt Ion: 43 Resp: 613370

Ion Ratio Lower Upper

43 100

58 16.2 13.0 19.4





#17

Carbon Disulfide

Concen: 43.975 ug/l

RT: 3.36 min Scan# 196

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 838319

Ion Ratio Lower Upper

76 100

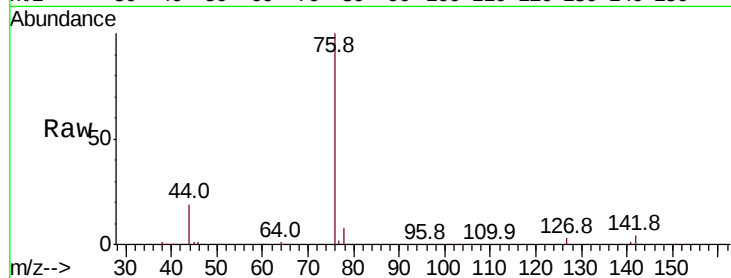
78 8.4 6.7 10.1

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

400000

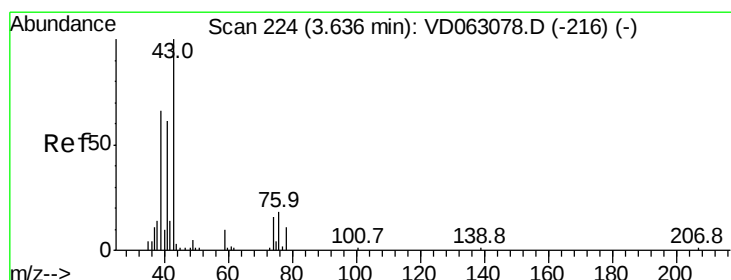
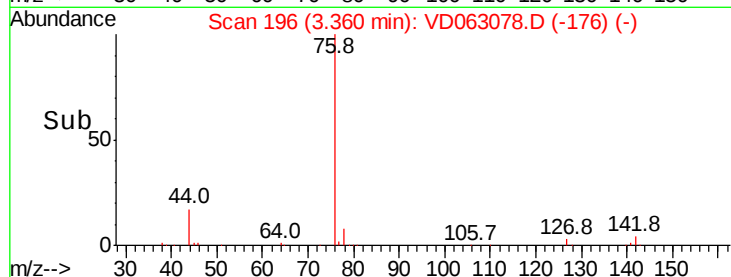
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.316 ug/l

RT: 3.64 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063078.D

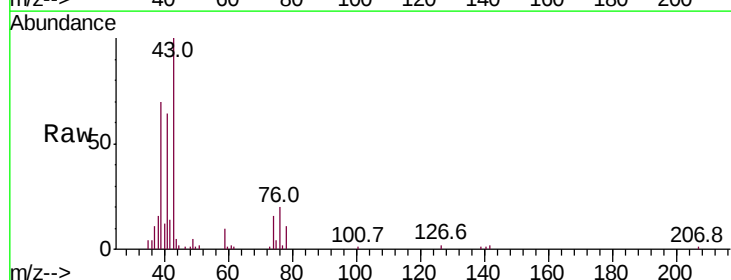
Acq: 15 Jul 2019 12:15

Tgt Ion: 43 Resp: 147264

Ion Ratio Lower Upper

43 100

74 15.6 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

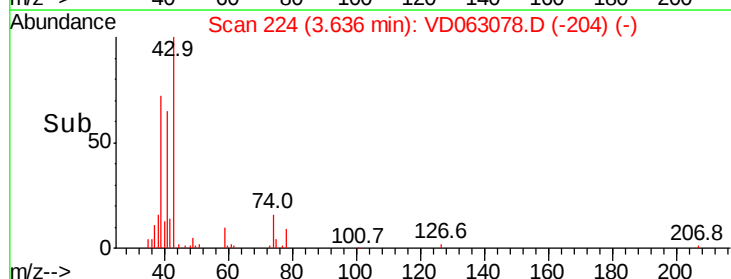
60000

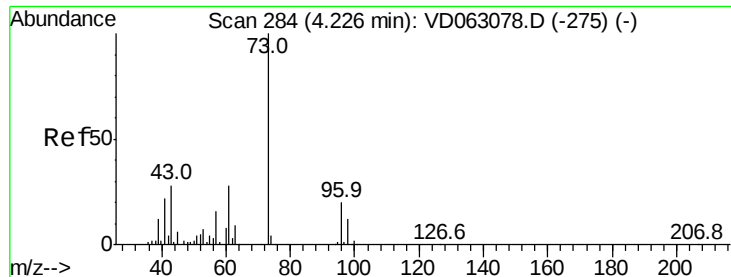
40000

20000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 59.628 ug/l

RT: 4.23 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

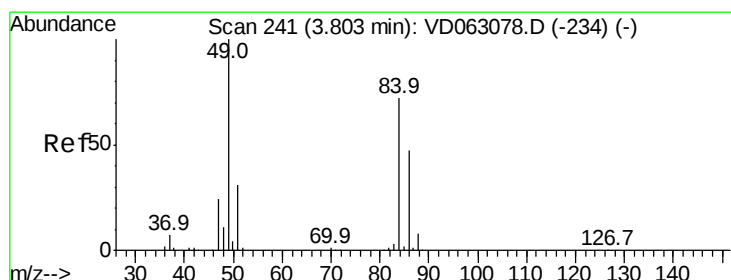
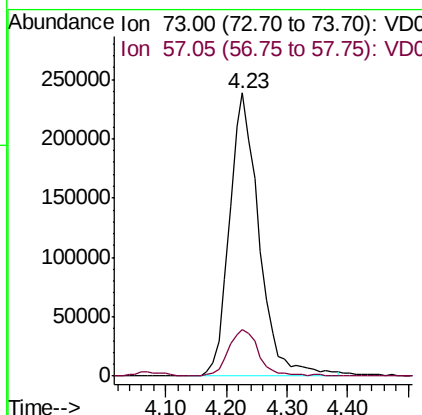
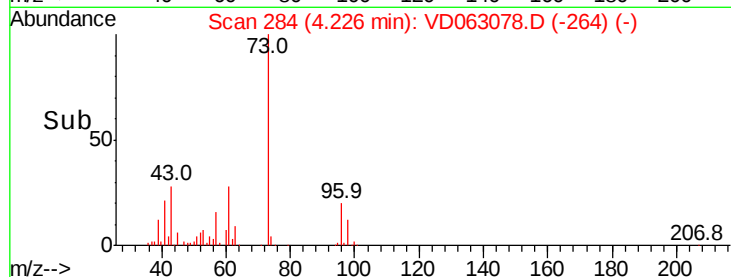
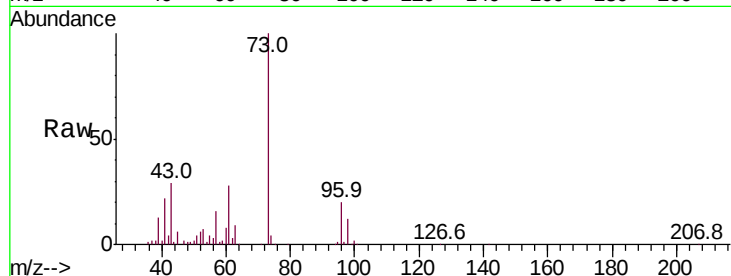
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 811908

Ion	Ratio	Lower	Upper
73	100		
57	16.4	13.1	19.7

Manual Integrations
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#20

Methylene Chloride

Concen: 58.687 ug/l

RT: 3.80 min Scan# 241

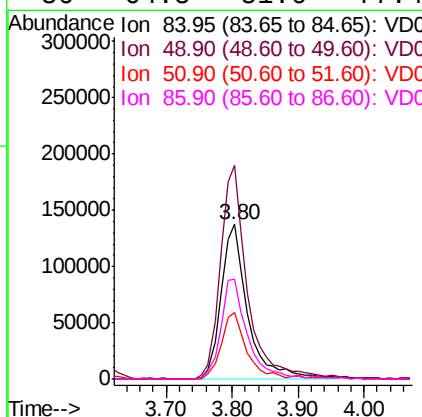
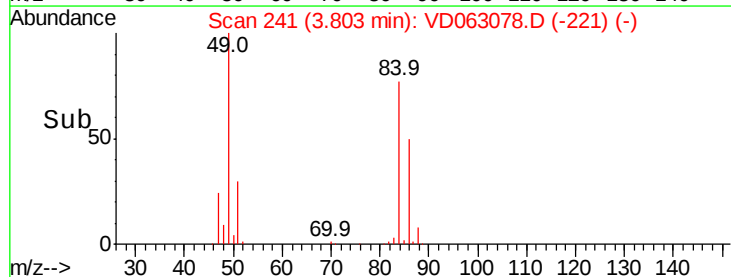
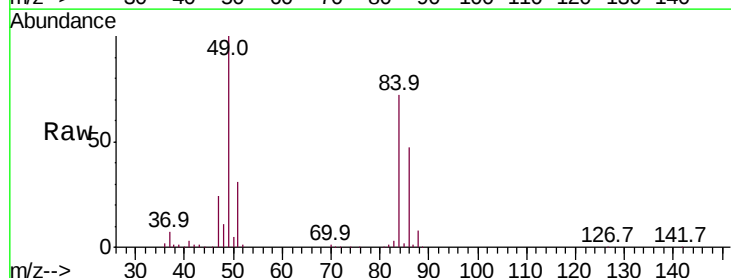
Delta R.T. 0.00 min

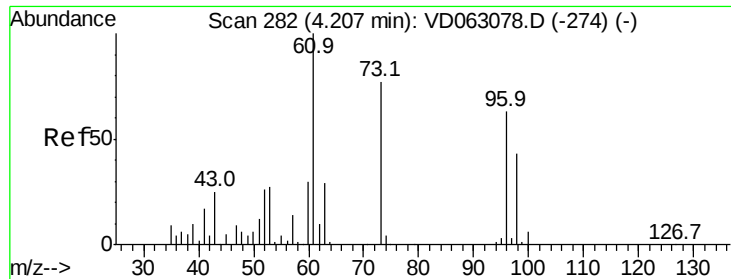
Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion: 84 Resp: 390707

Ion	Ratio	Lower	Upper
84	100		
49	138.1	110.5	165.7
51	43.2	34.6	51.8
86	64.5	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 50.062 ug/l

RT: 4.21 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 325997

Ion Ratio Lower Upper

96 100

61 160.0 128.0 192.0

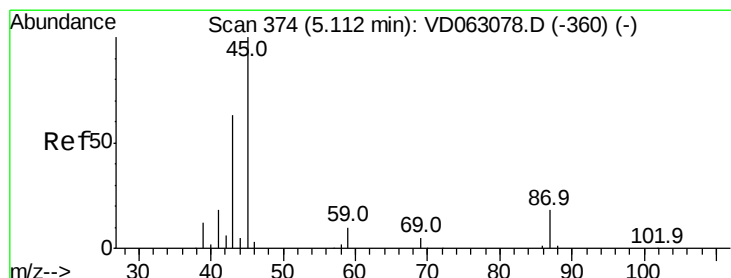
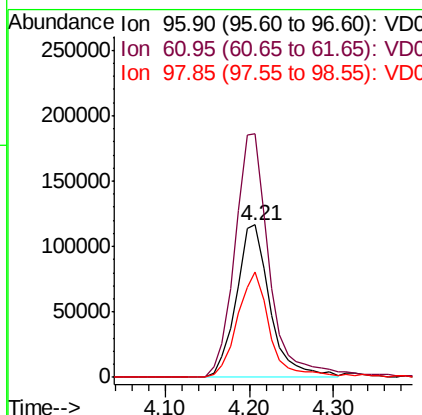
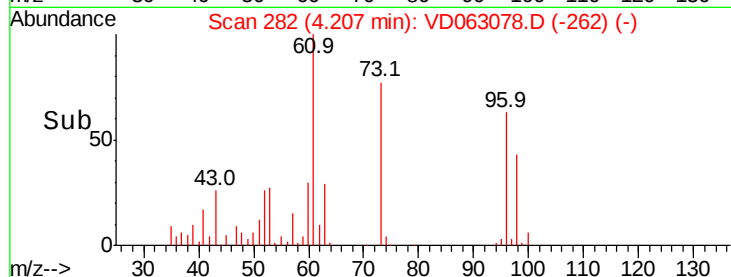
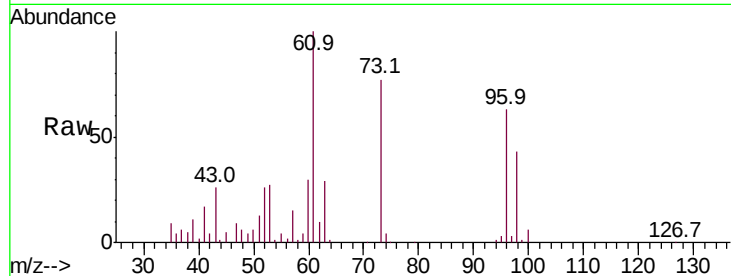
98 69.0 55.2 82.8

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#22

Diisopropyl ether

Concen: 58.411 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion: 45 Resp: 1111874

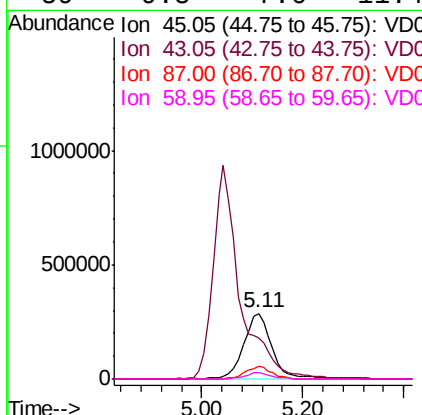
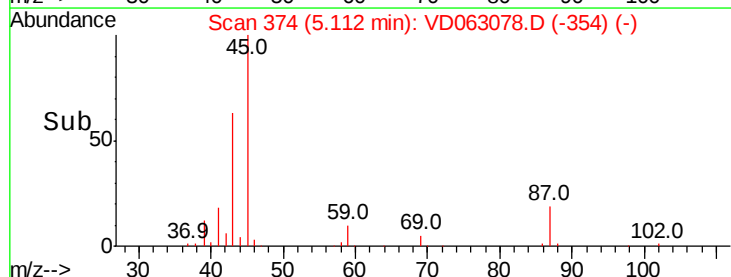
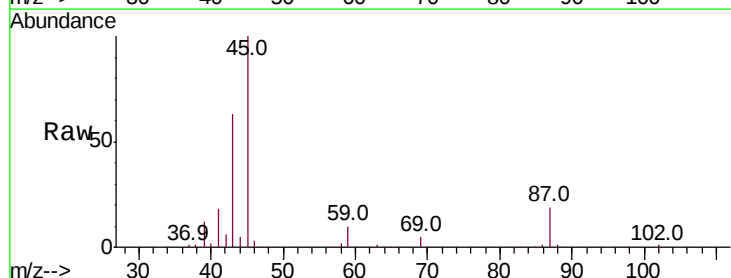
Ion Ratio Lower Upper

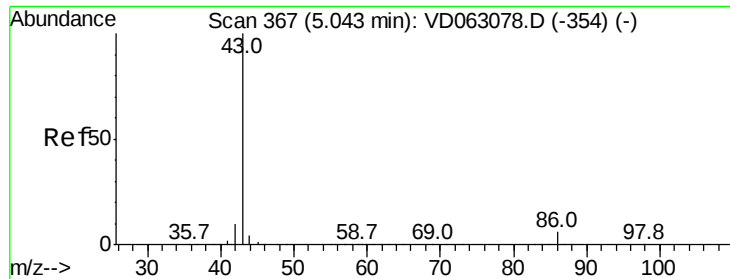
45 100

43 63.1 50.5 75.7

87 18.9 15.1 22.7

59 9.5 7.6 11.4





#23

Vinyl Acetate

Concen: 292.238 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3465455

Ion Ratio Lower Upper

43 100

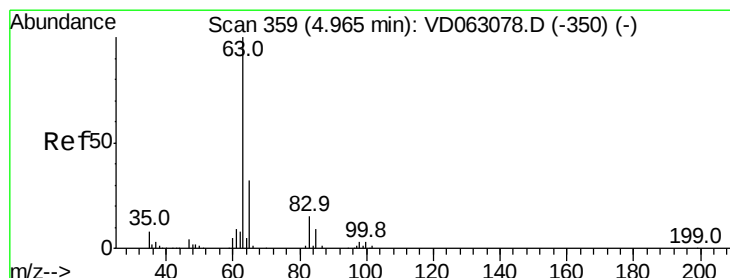
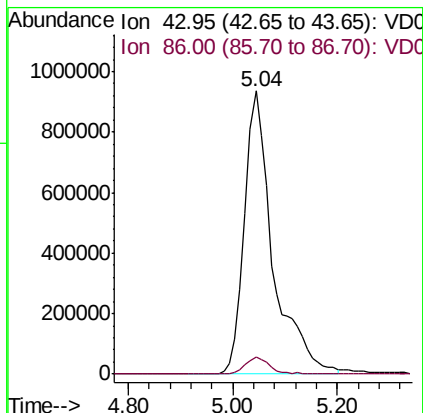
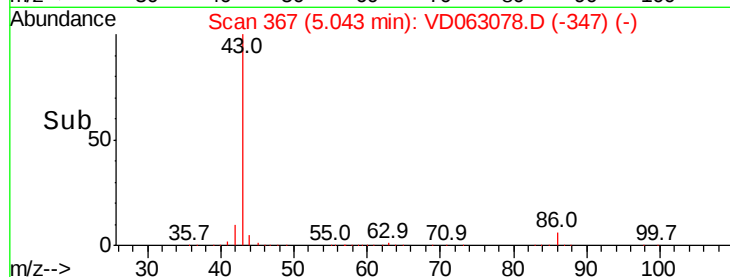
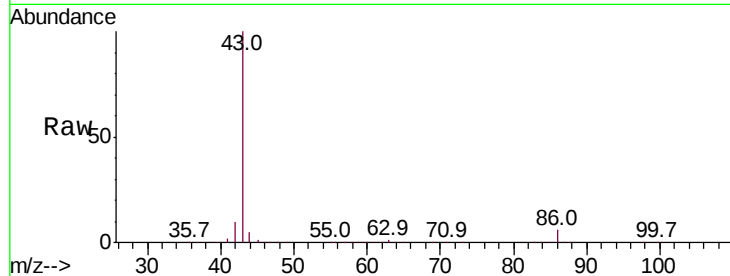
86 6.3 5.0 7.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.847 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

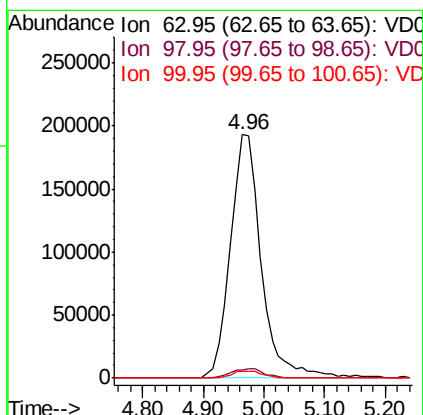
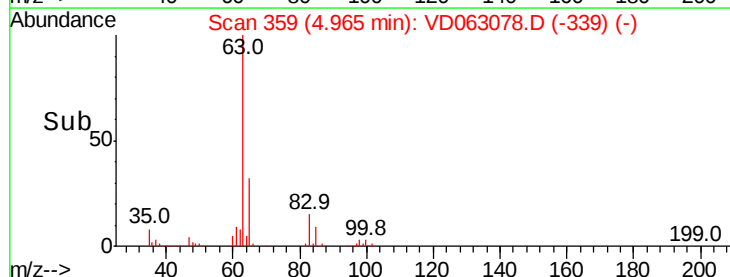
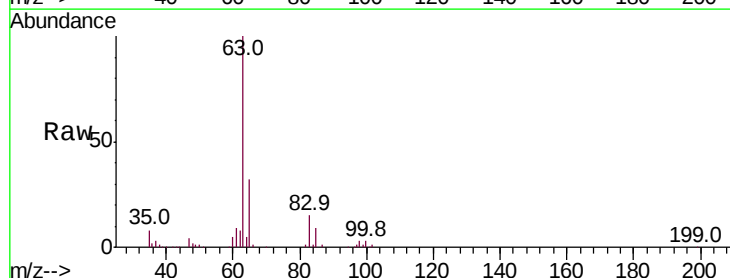
Tgt Ion: 63 Resp: 682352

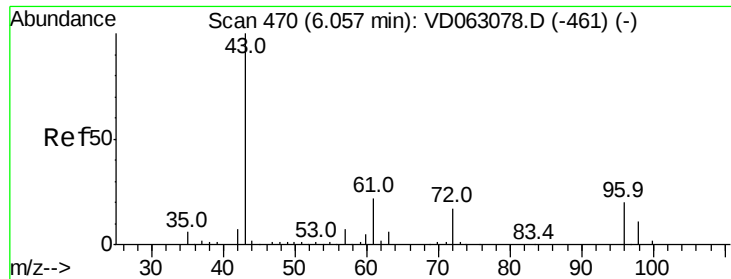
Ion Ratio Lower Upper

63 100

98 3.4 1.7 5.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 327.308 ug/l

RT: 6.06 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 545231

Ion Ratio Lower Upper

43 100

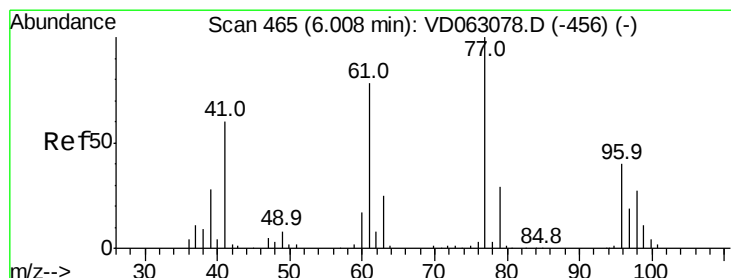
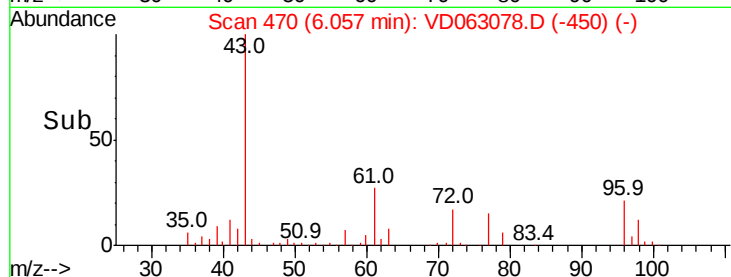
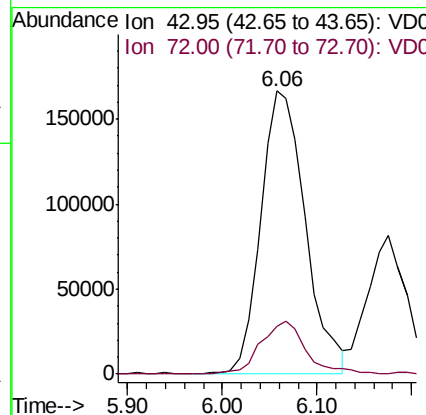
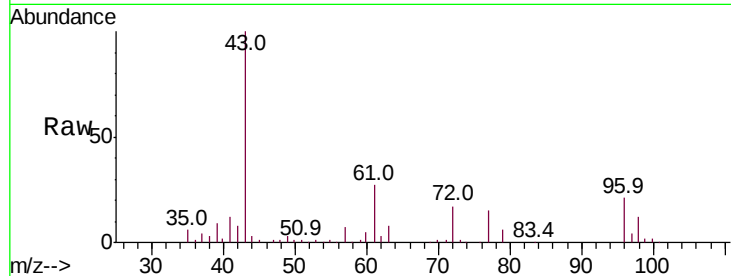
72 16.7 13.4 20.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 57.300 ug/l

RT: 6.01 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD063078.D

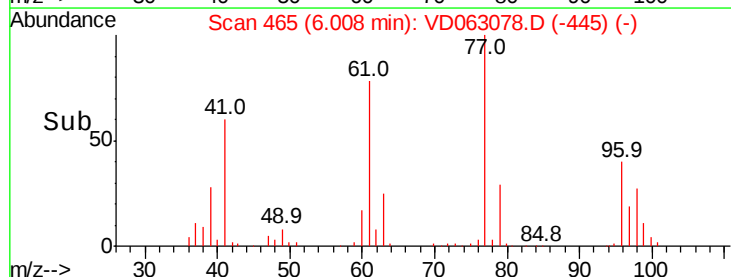
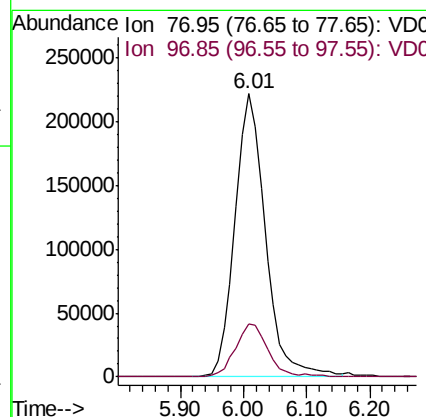
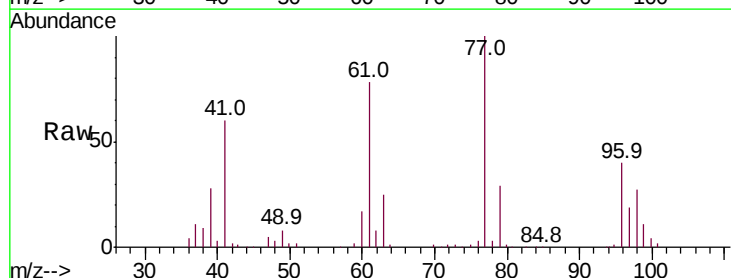
Acq: 15 Jul 2019 12:15

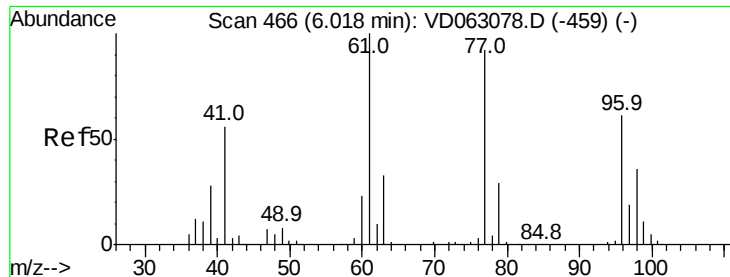
Tgt Ion: 77 Resp: 745036

Ion Ratio Lower Upper

77 100

97 18.6 9.3 27.9





#27

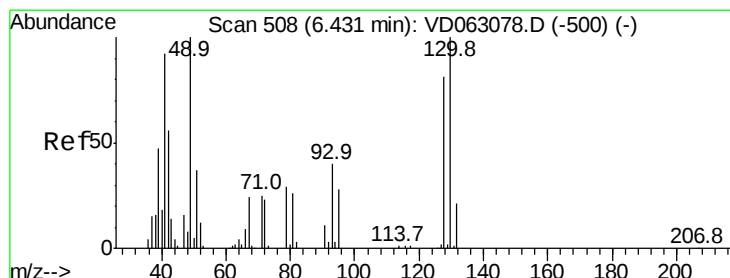
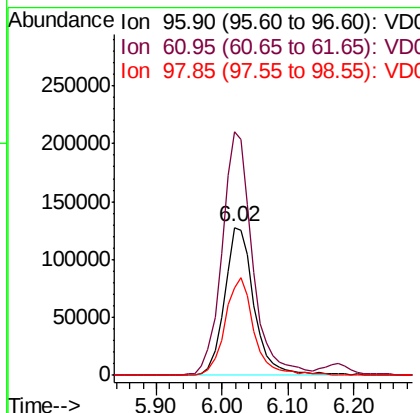
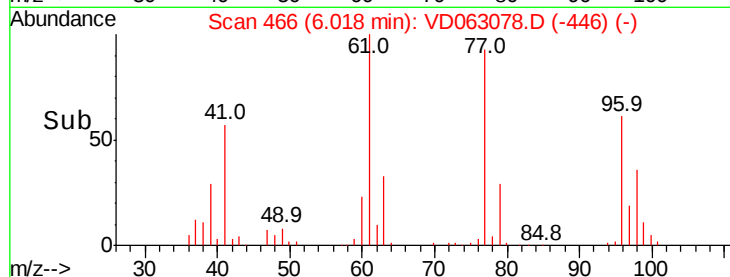
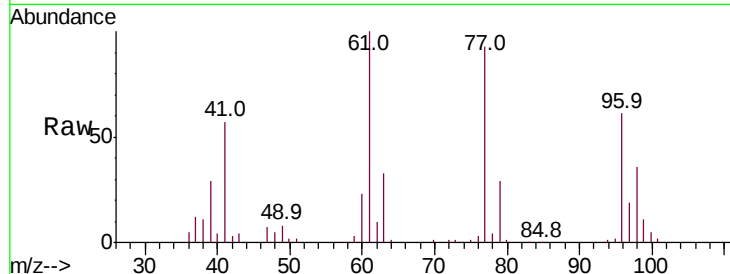
cis-1,2-Dichloroethene
Concen: 56.491 ug/l
RT: 6.02 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	399359		
61	164.8	0.0	329.6	
98	59.2	0.0	118.4	

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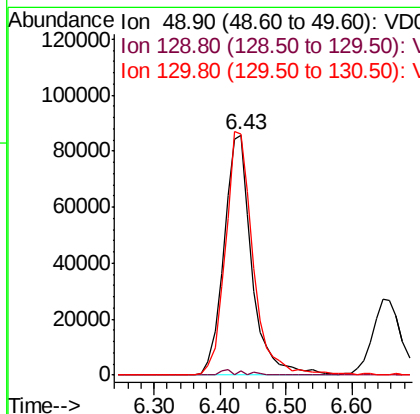
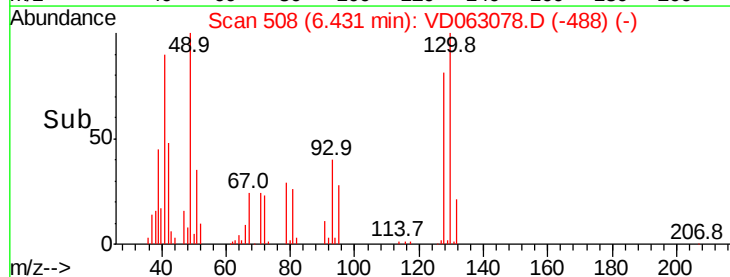
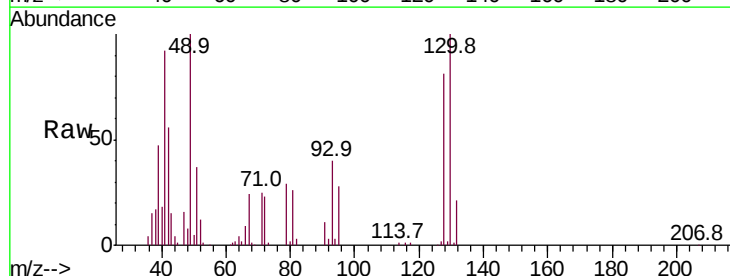
MMDadoda
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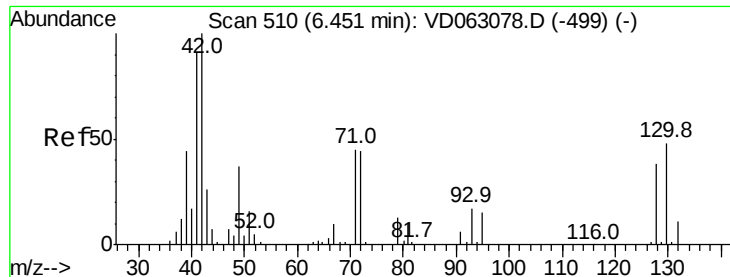


#28

Bromochloromethane
Concen: 57.952 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	253022		
129	1.8	0.0	3.6	
130	100.4	80.3	120.5	





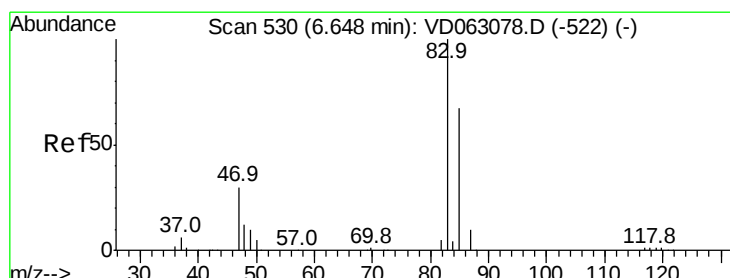
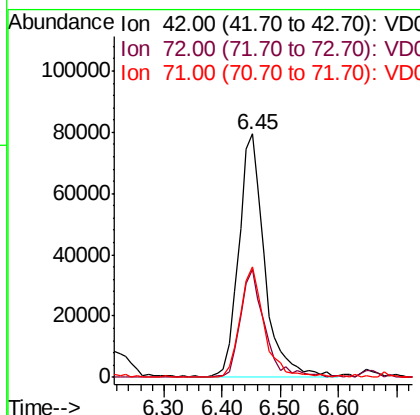
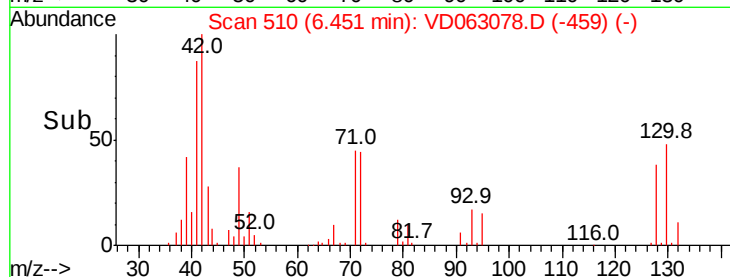
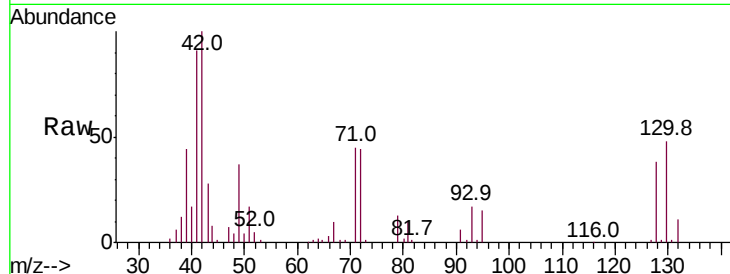
#29
Tetrahydrofuran
Concen: 312.701 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	42.7	34.2	51.2

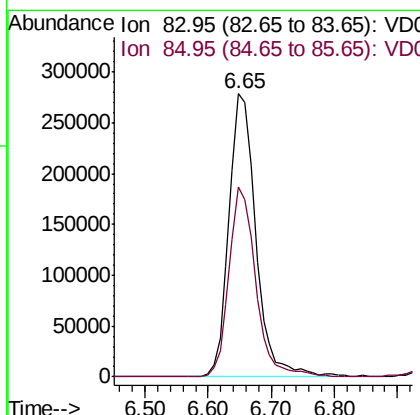
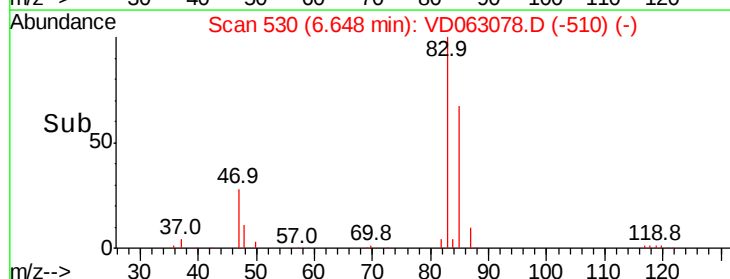
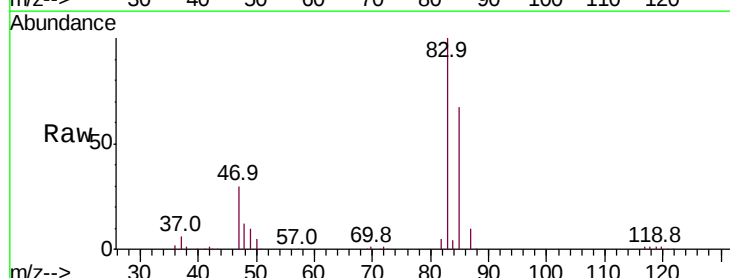
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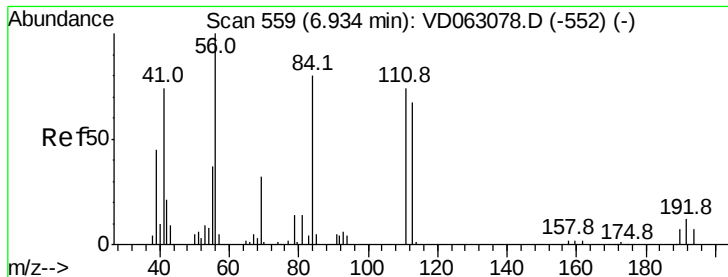
MMDadoda
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#30
Chloroform
Concen: 55.409 ug/l
RT: 6.65 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.8	80.8





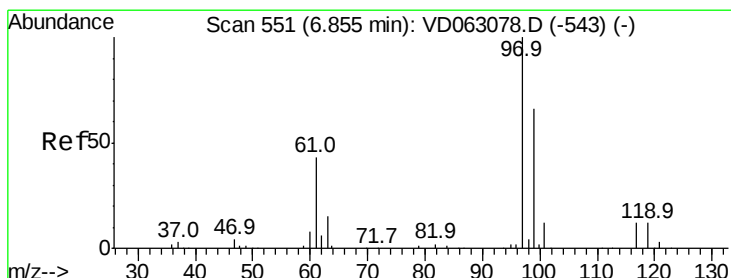
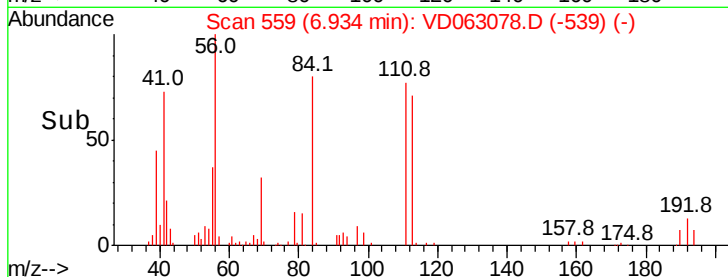
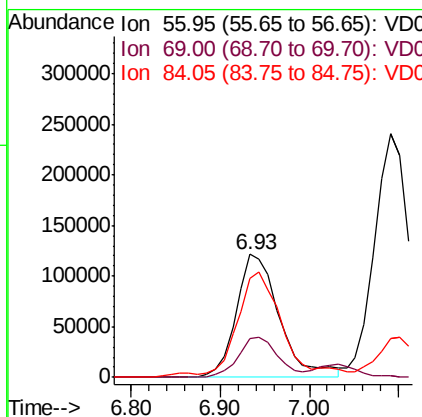
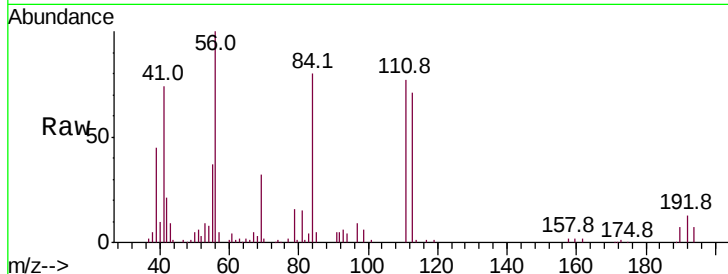
#31
Cyclohexane
Concen: 51.343 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	80.3	64.2	96.4

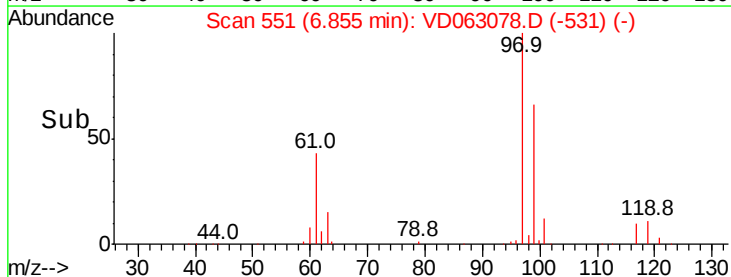
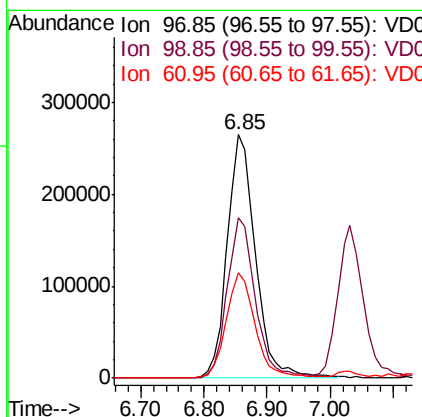
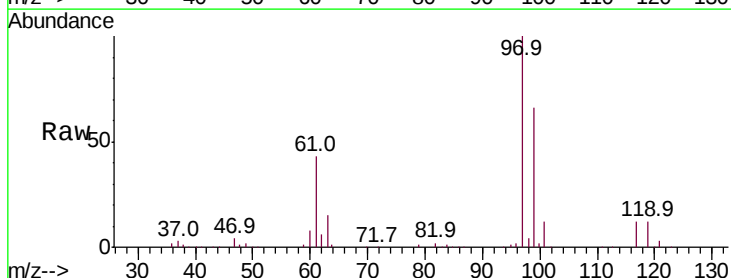
Manual Integrations
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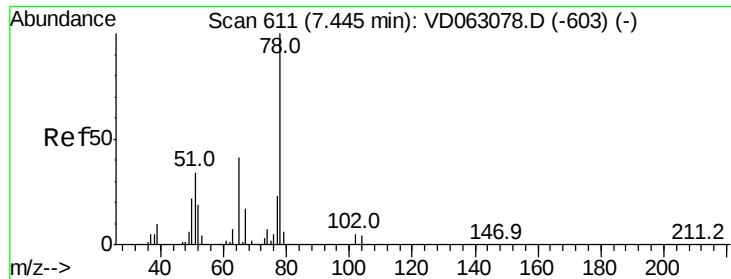
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#32
1,1,1-Trichloroethane
Concen: 53.581 ug/l
RT: 6.85 min Scan# 551
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.9	79.3
61	43.0	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 54.531 ug/l

RT: 7.45 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

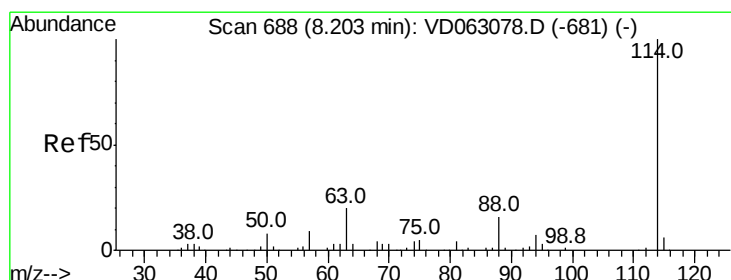
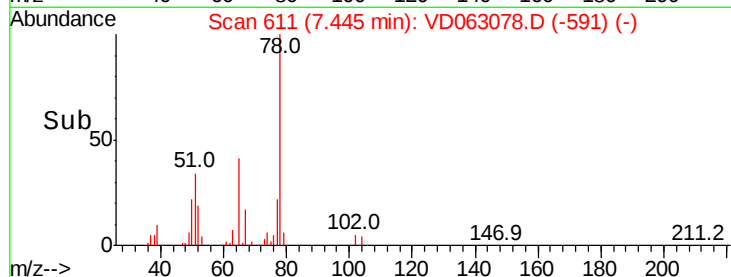
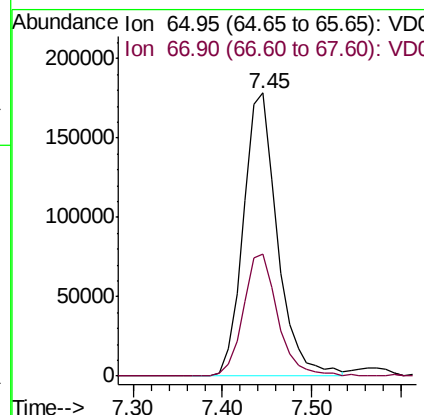
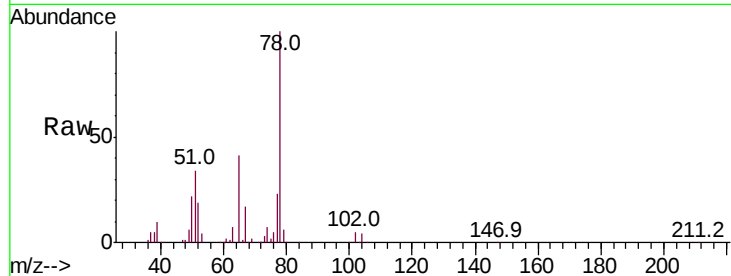
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 65 Resp: 471240

Ion	Ratio	Lower	Upper
65	100		
67	43.0	0.0	86.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

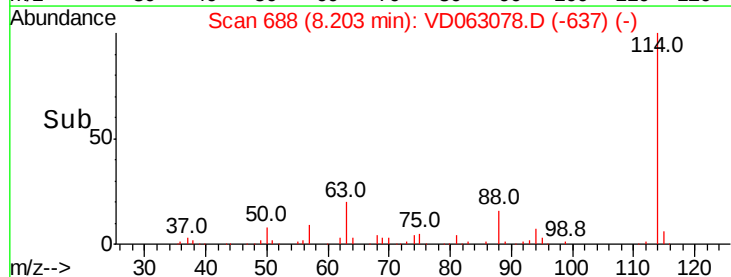
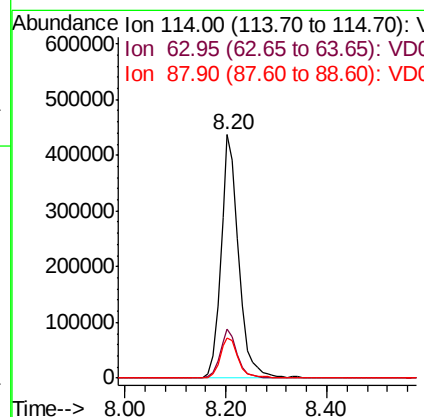
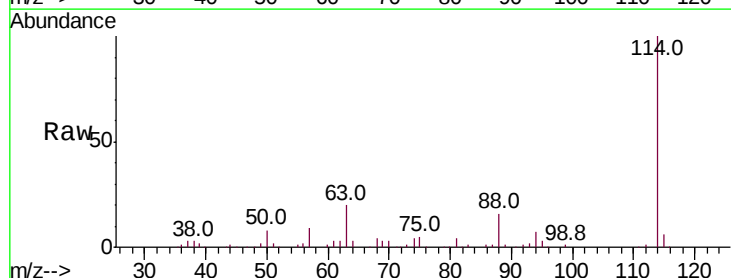
Delta R.T. 0.00 min

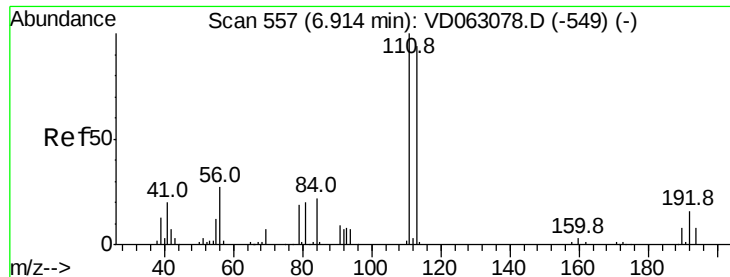
Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion: 114 Resp: 1074035

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.6
88	16.3	0.0	32.6





#35

Dibromofluoromethane

Concen: 52.951 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

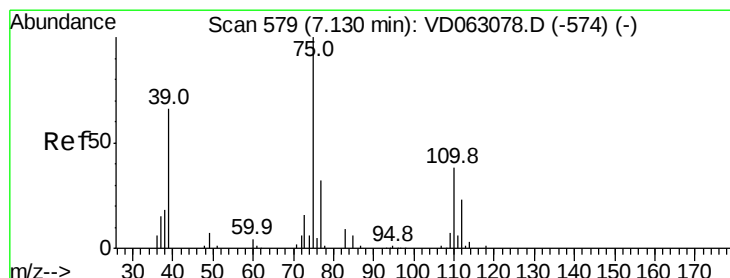
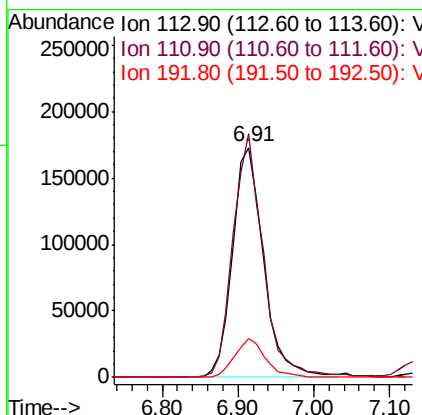
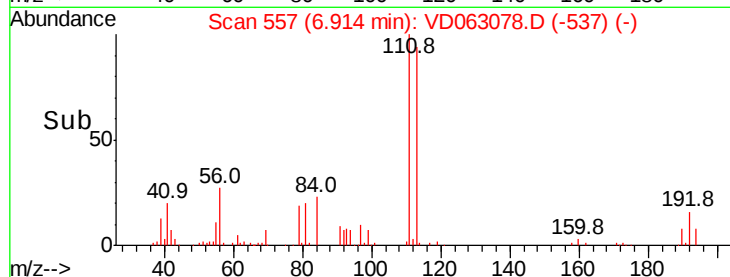
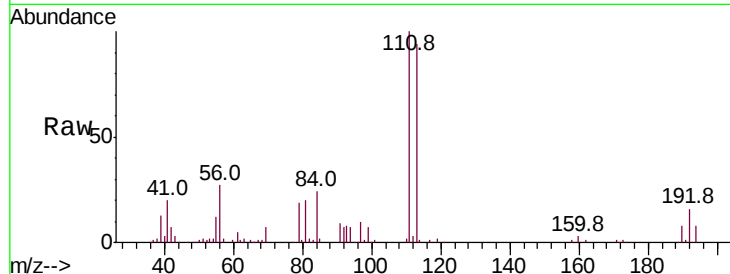
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	493387
Ion Ratio	Lower	Upper	
113	100		
111	106.0	84.8	127.2
192	16.7	13.4	20.0

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#36

1,1-Dichloropropene

Concen: 51.802 ug/l

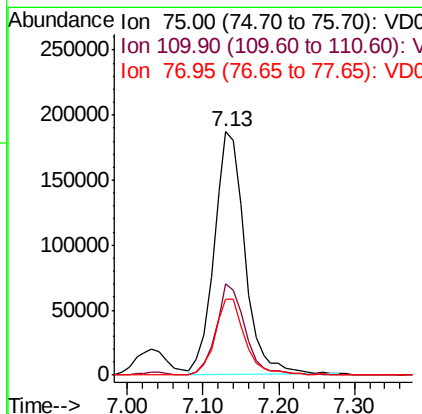
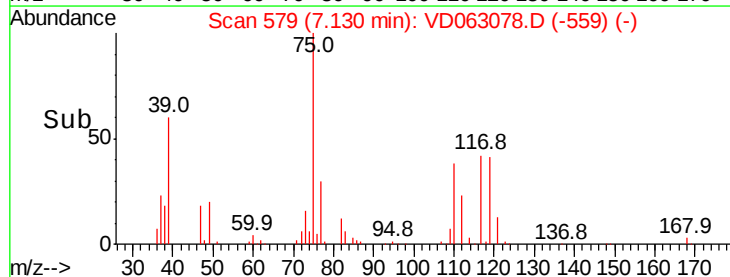
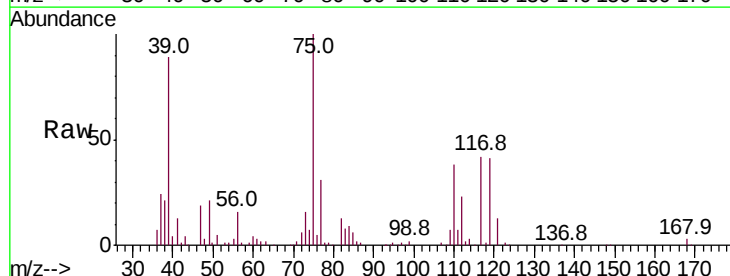
RT: 7.13 min Scan# 579

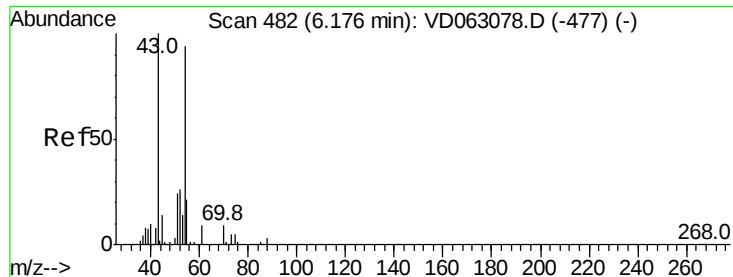
Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion:	75	Resp:	527310
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.9	56.5
77	31.5	25.2	37.8





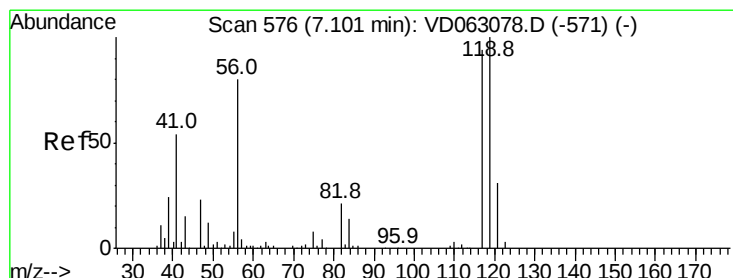
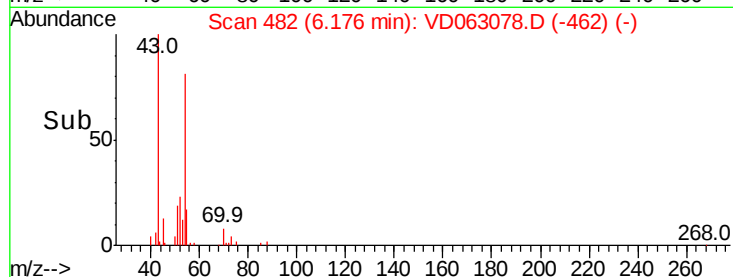
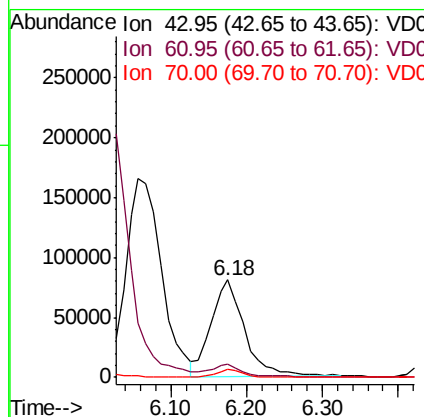
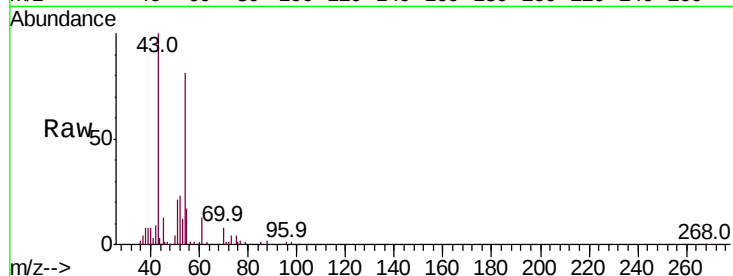
#37
Ethyl Acetate
Concen: 52.095 ug/l
RT: 6.18 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.6	16.0
70	8.2	6.6	9.8

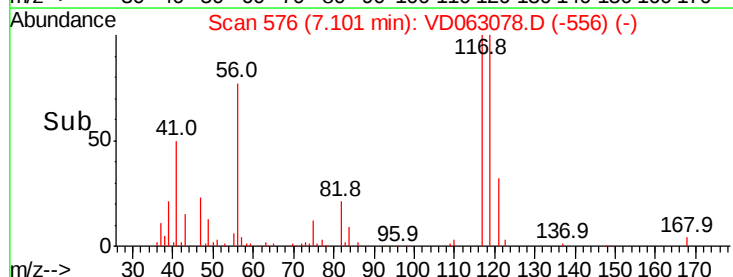
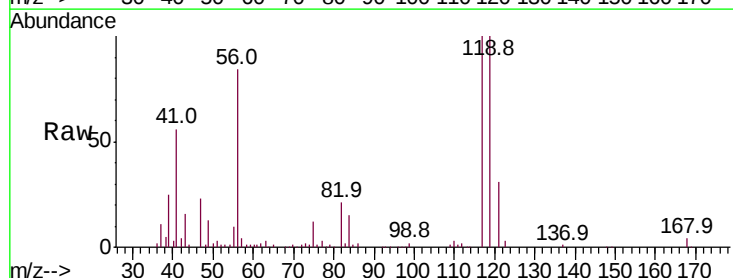
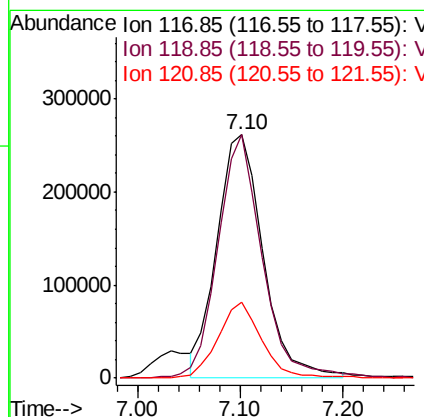
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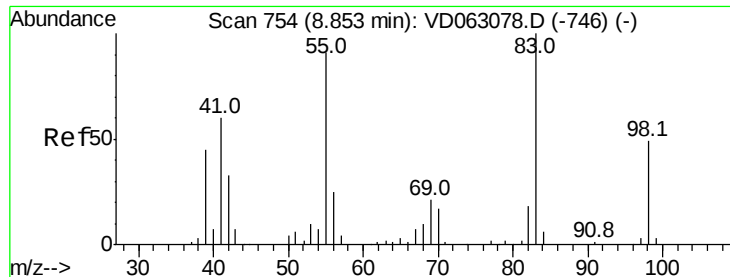
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#38
Carbon Tetrachloride
Concen: 53.085 ug/l m
RT: 7.10 min Scan# 576
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	80.0	120.0
121	31.2	25.0	37.4





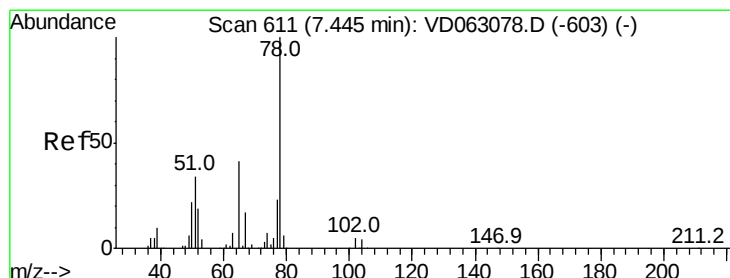
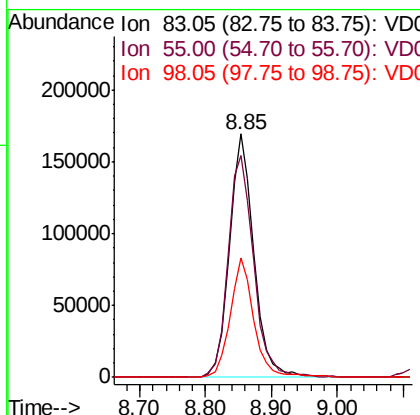
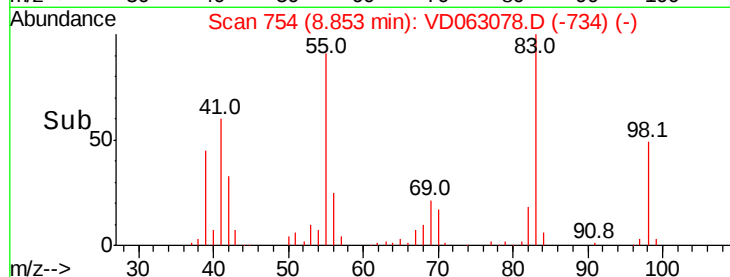
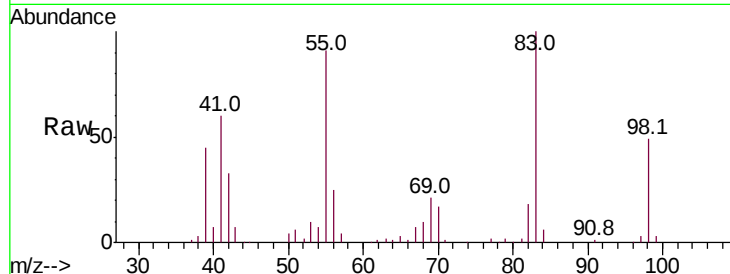
#39
Methvlcvclohexane
Concen: 49.467 ug/l
RT: 8.85 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	439026
Ion Ratio	100	Lower	Upper
83	100		
55	91.2	73.0	109.4
98	49.2	39.4	59.0

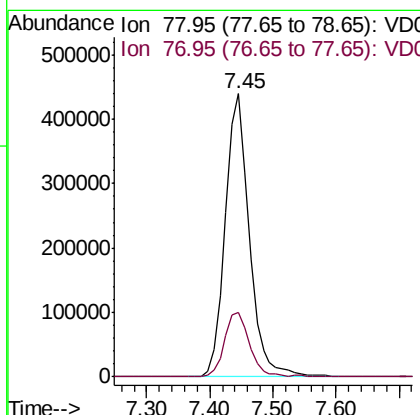
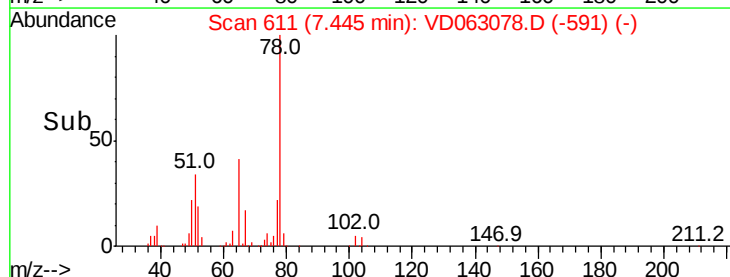
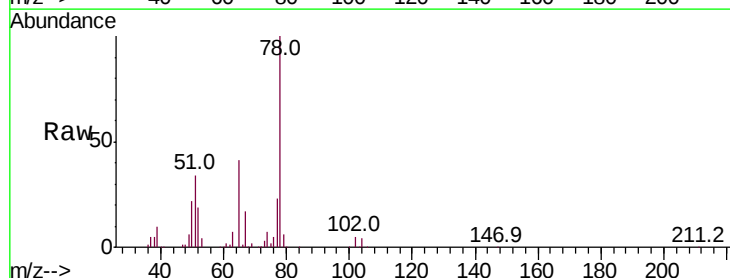
Manual Integrations
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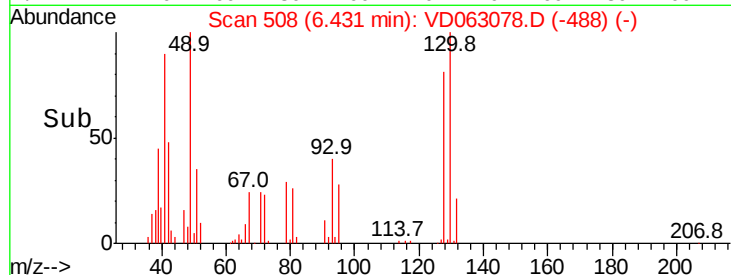
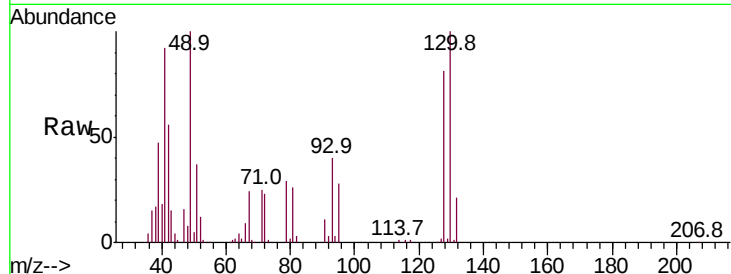
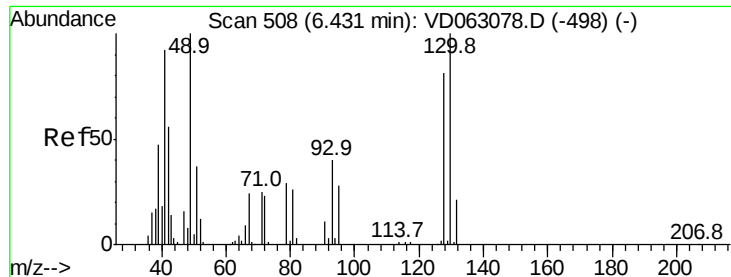
MMDadoda
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#40
Benzene
Concen: 56.061 ug/l
RT: 7.45 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	78	Resp	1165169
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	18.1	27.1





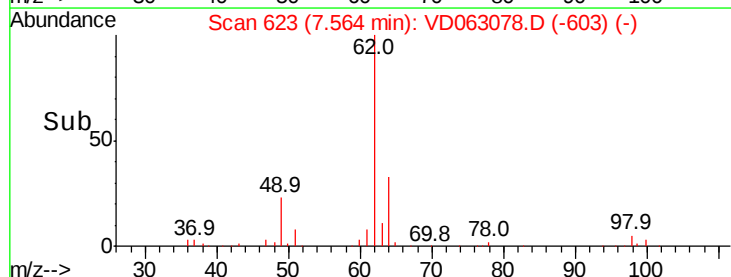
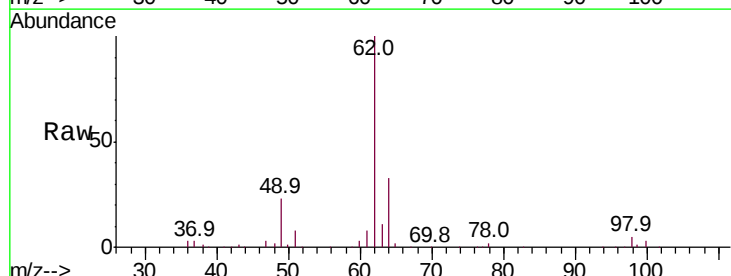
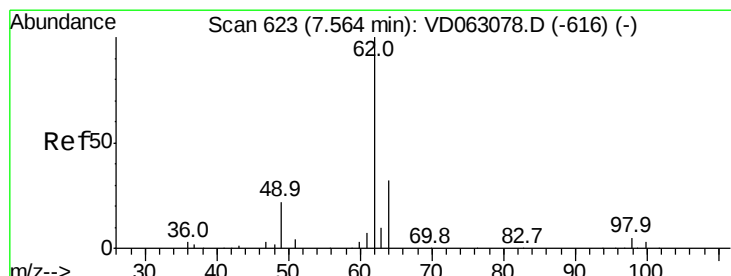
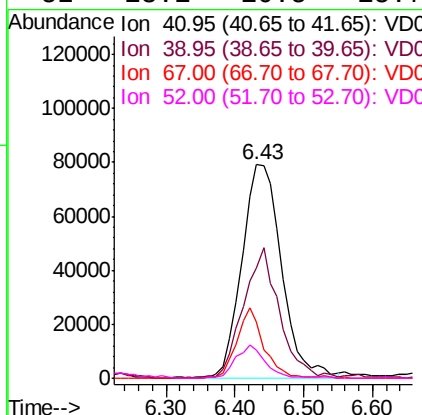
#41
Methacrylonitrile
Concen: 57.606 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	41.0	61.6	
67	26.6	21.3	31.9	
52	13.1	10.5	15.7	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

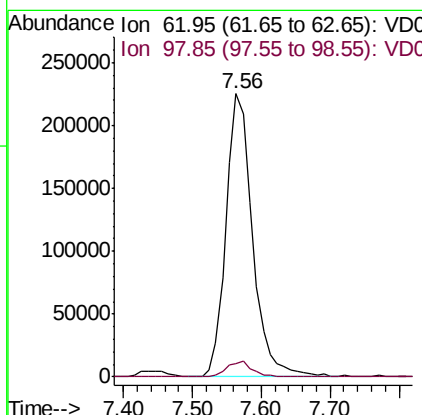
Manual Integrations
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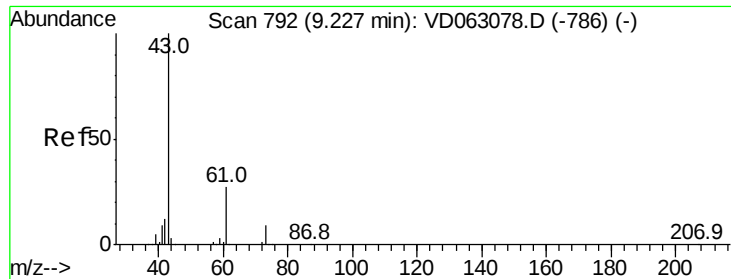
MMDadoda
7/16/2019 9:15:02 AM



#42
1,2-Dichloroethane
Concen: 53.968 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.8	0.0	9.6	





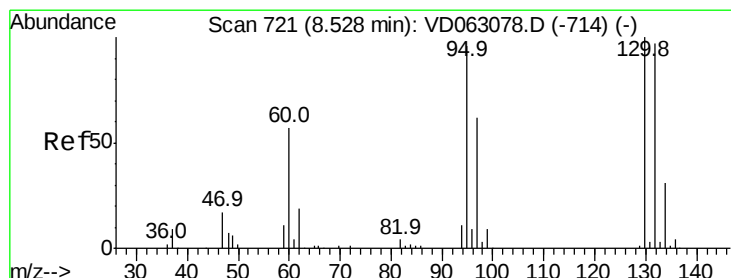
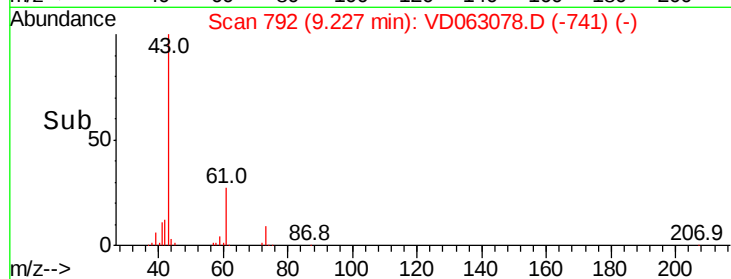
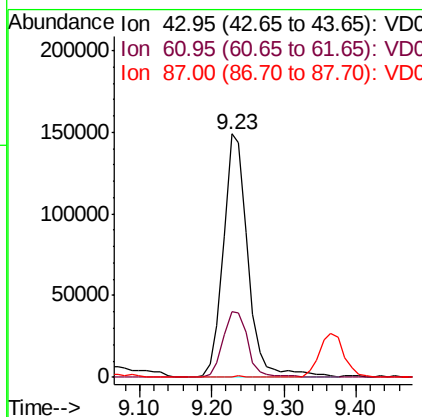
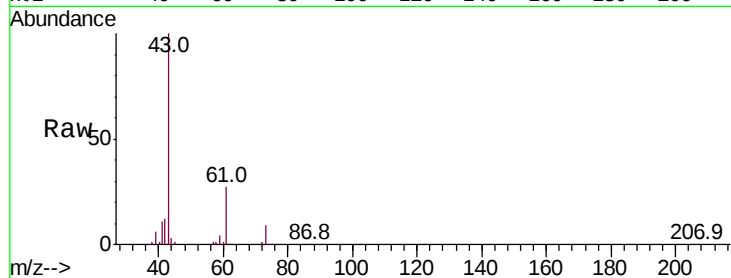
#43
Isopropyl Acetate
Concen: 63.296 ug/l
RT: 9.23 min Scan# 792
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.7	32.5
87	0.3	0.2	0.4

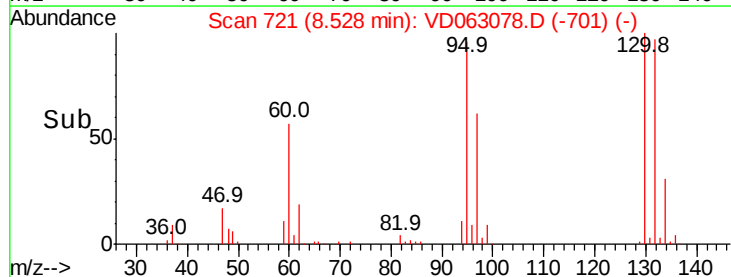
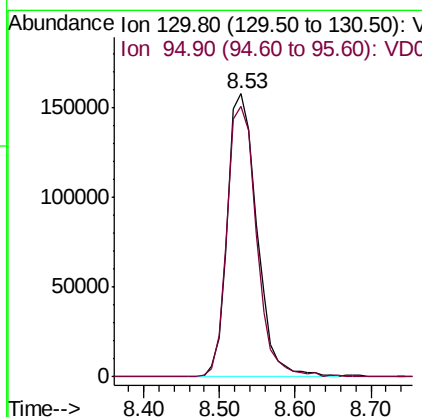
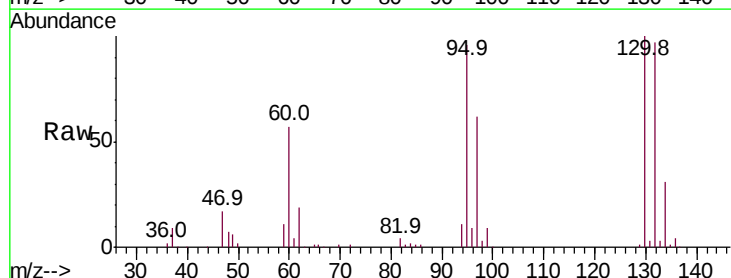
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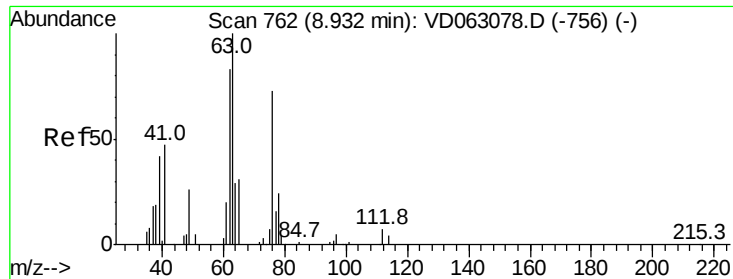
MMDadoda
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#44
Trichloroethene
Concen: 52.973 ug/l
RT: 8.53 min Scan# 721
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	191.4





#45

1,2-Dichloropropane

Concen: 54.126 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 279104

Ion Ratio Lower Upper

63 100

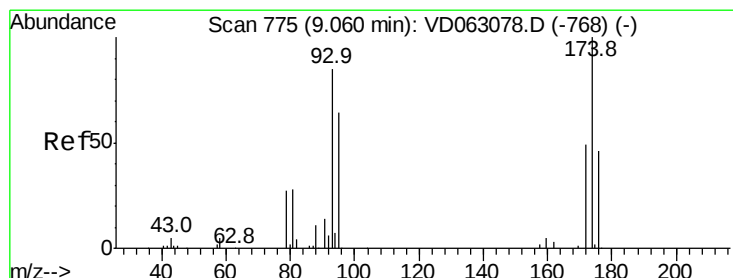
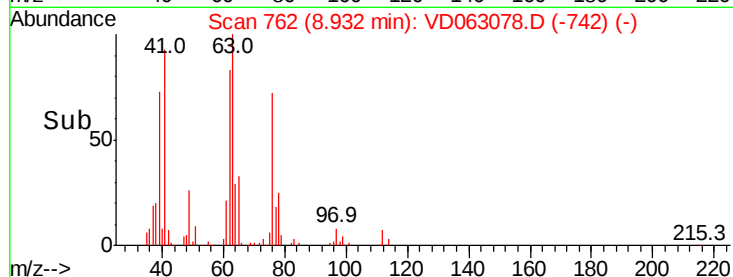
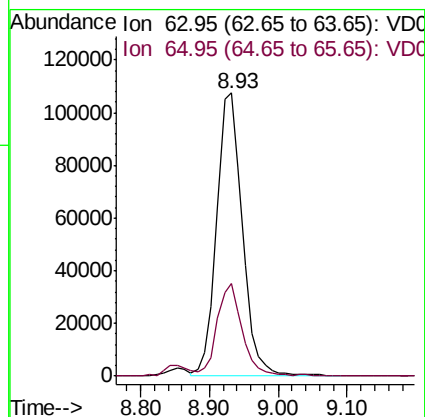
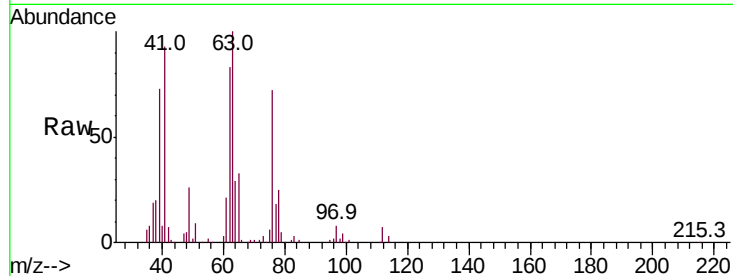
65 32.9 26.3 39.5

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#46

Dibromomethane

Concen: 55.931 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

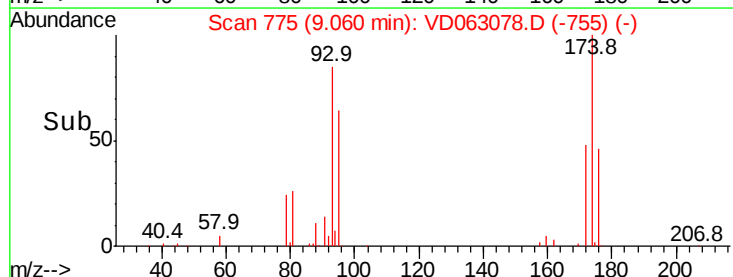
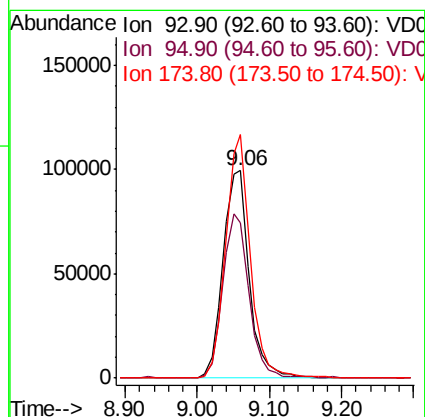
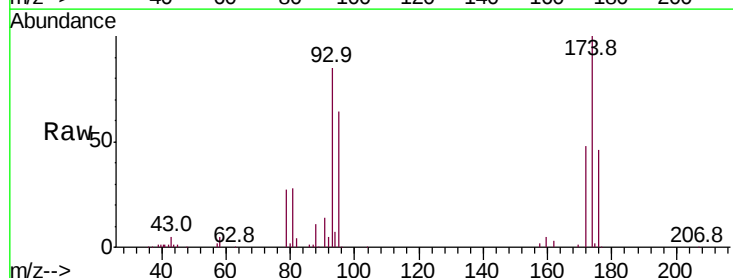
Tgt Ion: 93 Resp: 249612

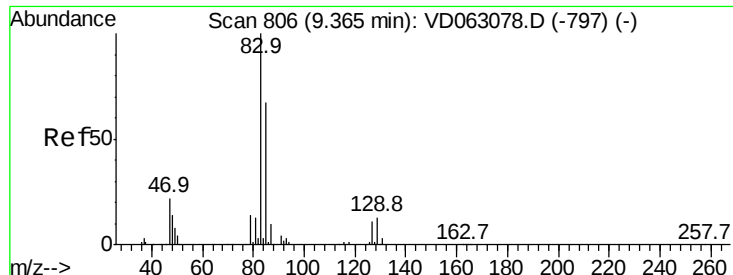
Ion Ratio Lower Upper

93 100

95 74.6 59.7 89.5

174 117.4 93.9 140.9





#47

Bromodichloromethane

Concen: 56.821 ug/l

RT: 9.37 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

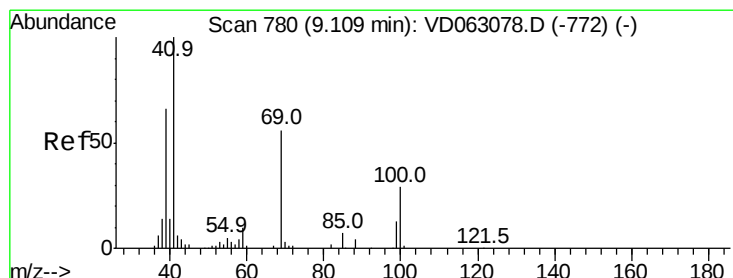
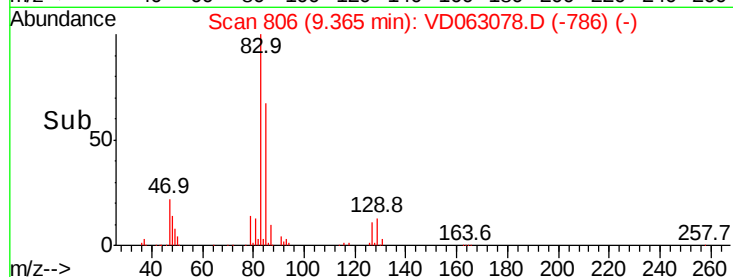
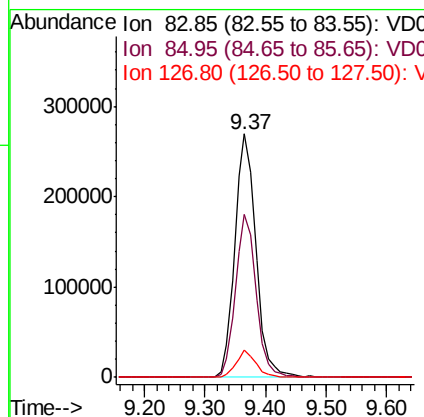
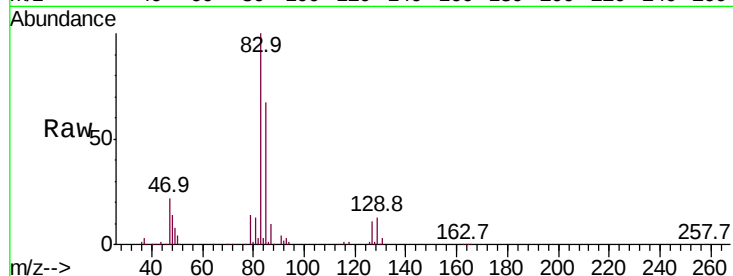
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	650695
Ion Ratio	Lower	Upper	
83	100		
85	67.1	53.7	80.5
127	11.3	9.0	13.6

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#48

Methyl methacrylate

Concen: 57.463 ug/l

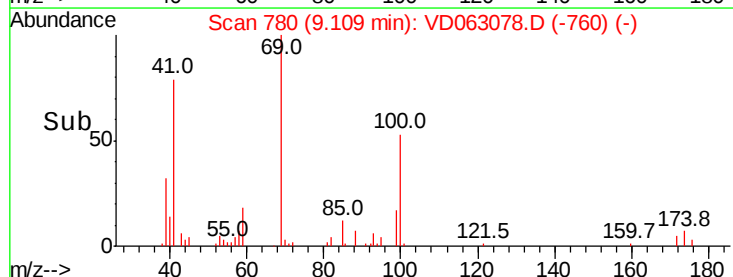
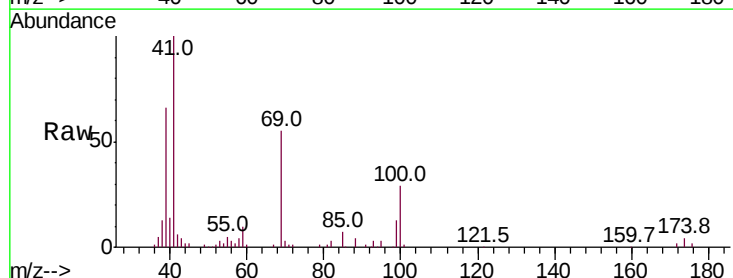
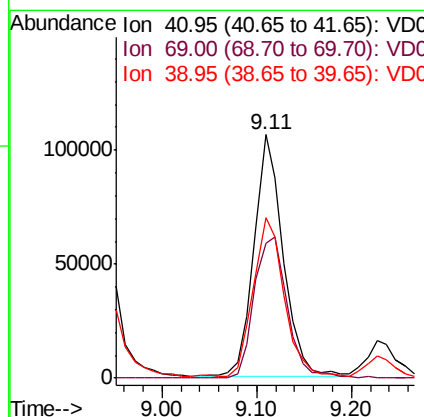
RT: 9.11 min Scan# 780

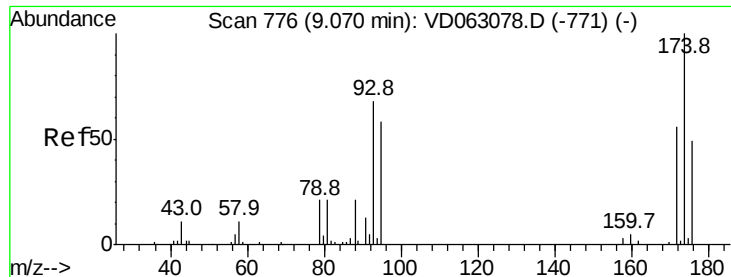
Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion:	41	Resp:	225447
Ion Ratio	Lower	Upper	
41	100		
69	55.4	44.3	66.5
39	65.7	52.6	78.8





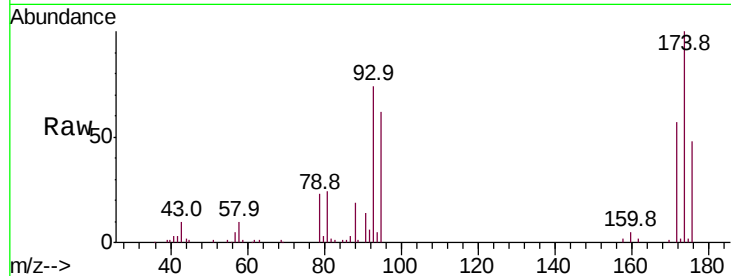
#49
 1,4-Dioxane
 Concen: 1273.090 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

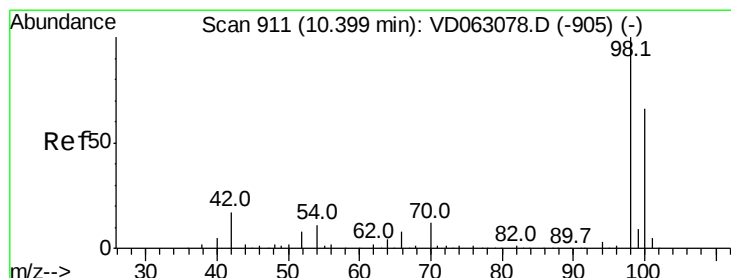
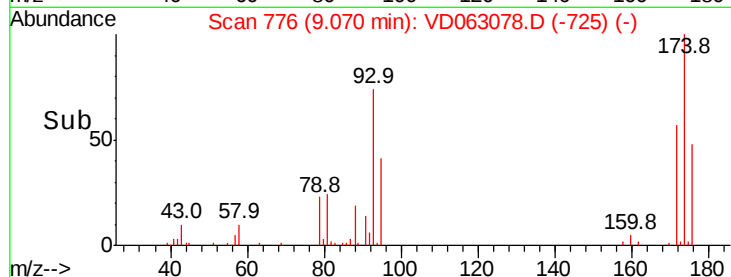
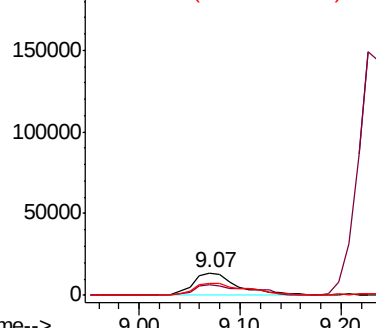
Tot Ion	Ratio	Lower	Upper
88	100		
43	50.3	40.2	60.4
58	52.0	41.6	62.4

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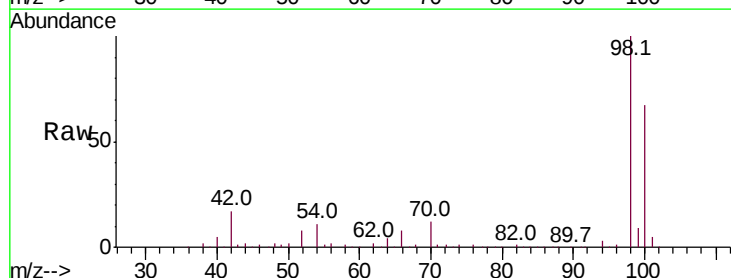


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

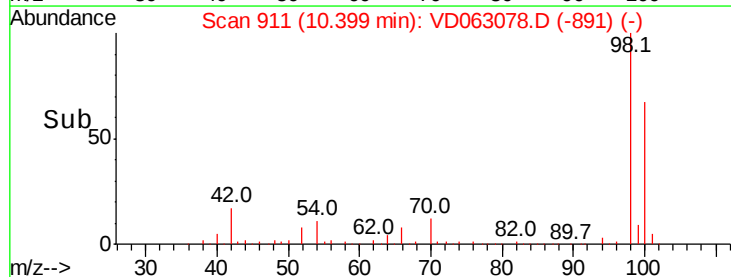
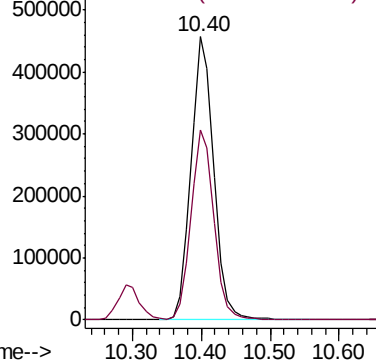


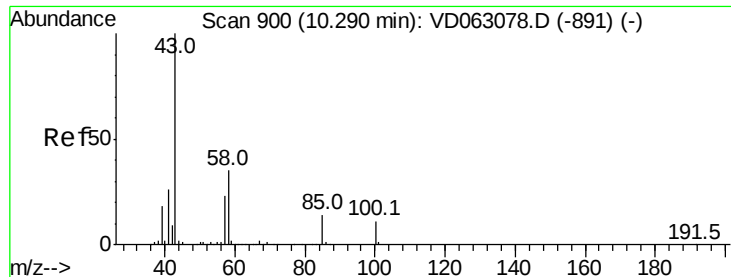
#50
 Toluene-d8
 Concen: 52.106 ug/l
 RT: 10.40 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	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: 302.864 ug/l

RT: 10.29 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1196789

Ion Ratio Lower Upper

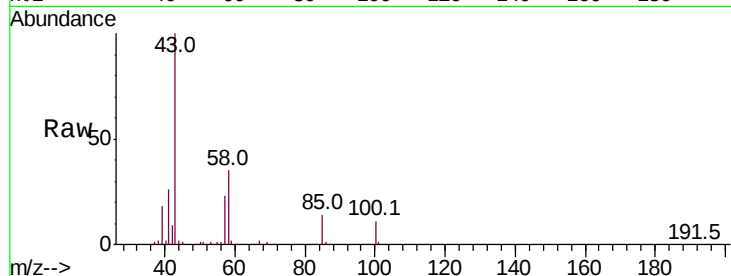
43 100

58 34.7 27.8 41.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

600000

500000

400000

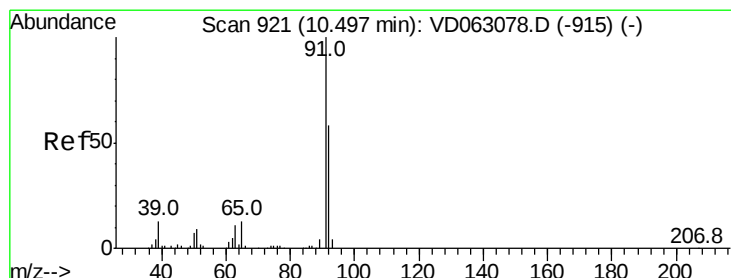
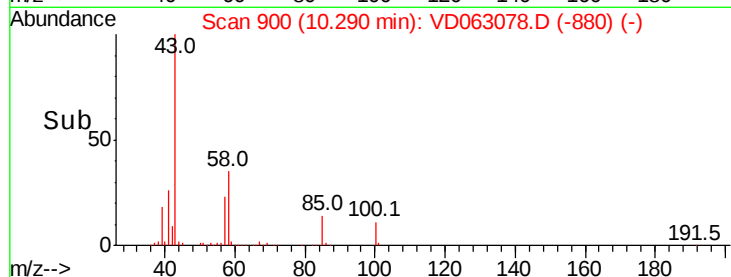
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.051 ug/l

RT: 10.50 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD063078.D

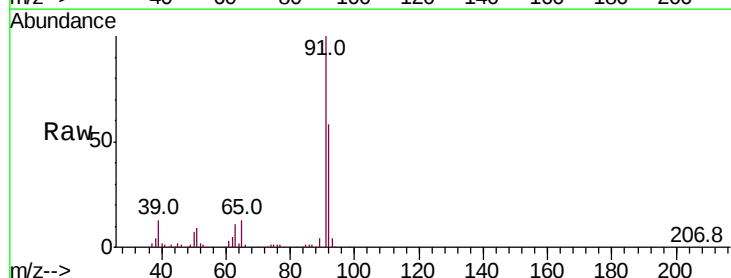
Acq: 15 Jul 2019 12:15

Tgt Ion: 92 Resp: 748542

Ion Ratio Lower Upper

92 100

91 172.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

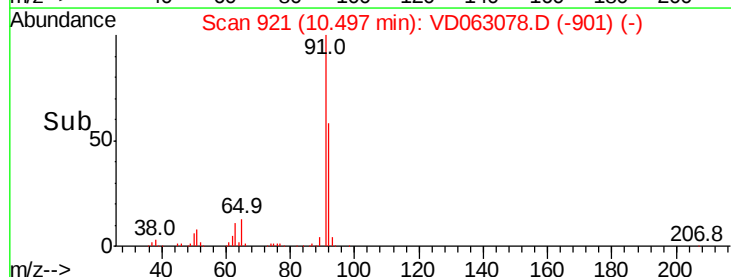
600000

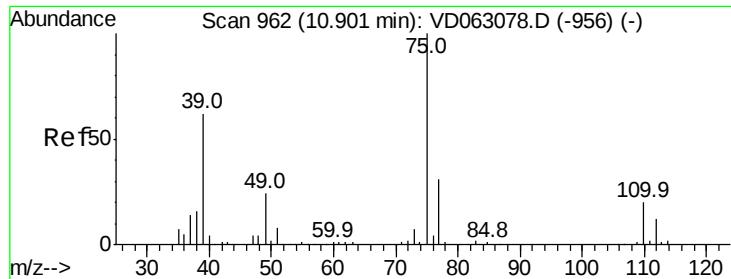
400000

200000

0

Time-->





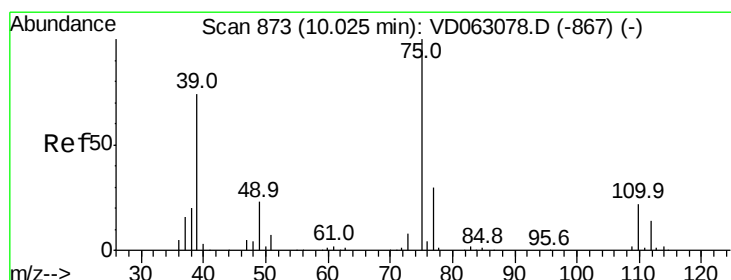
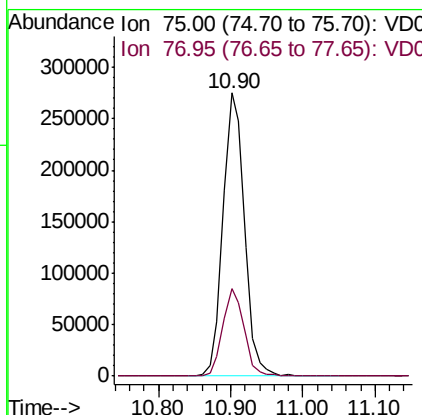
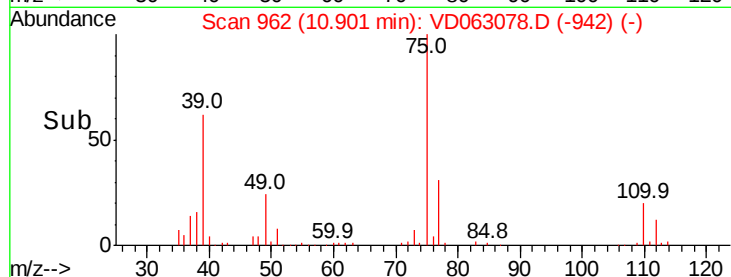
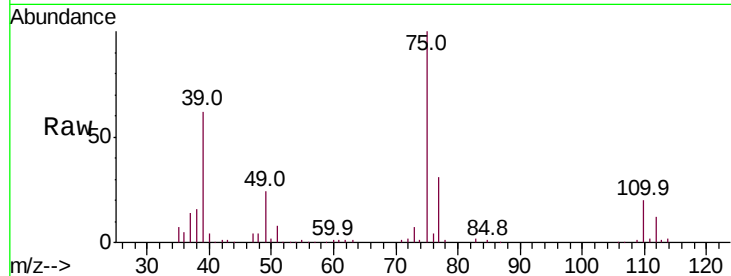
#53
 t-1,3-Dichloropropene
 Concen: 58.980 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 564616
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3

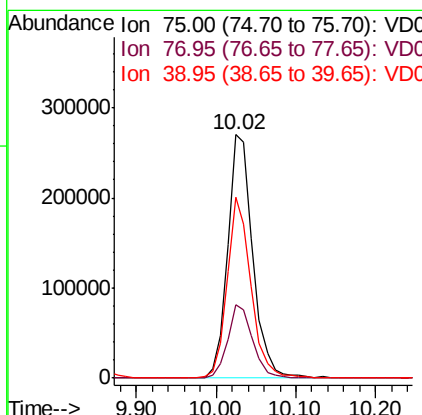
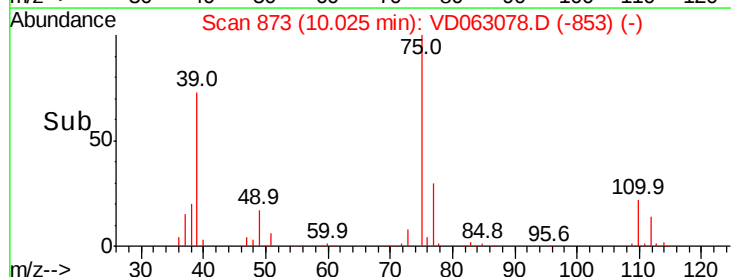
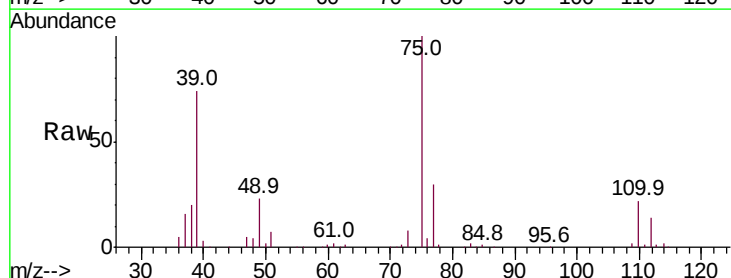
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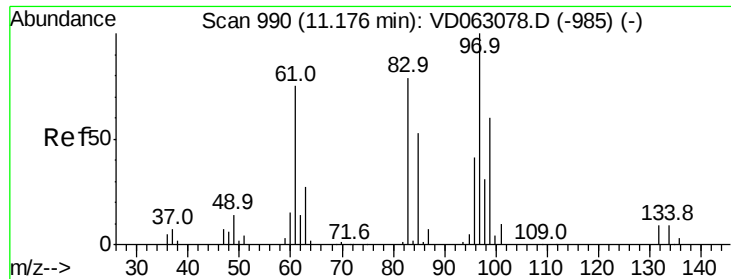
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#54
 cis-1,3-Dichloropropene
 Concen: 57.866 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 75 Resp: 597388
 Ion Ratio Lower Upper
 75 100
 77 29.9 23.9 35.9
 39 74.2 59.4 89.0





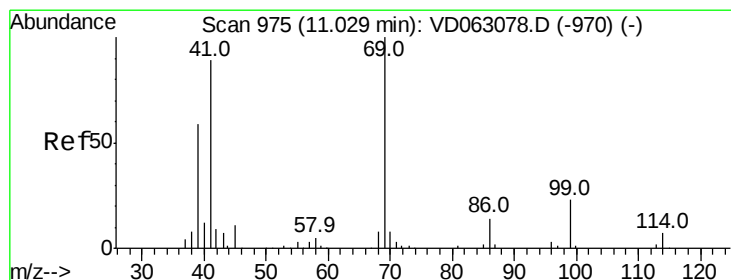
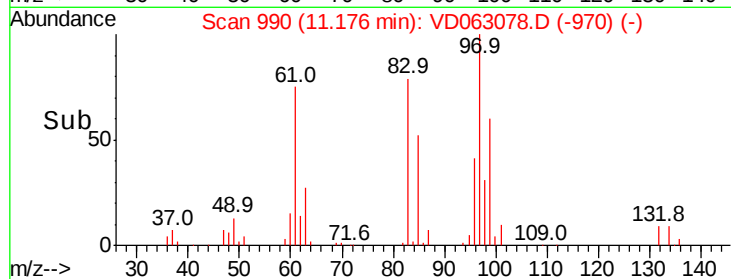
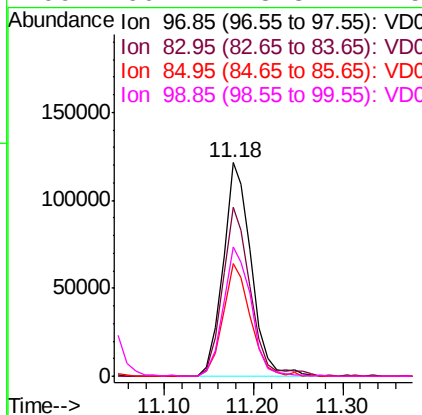
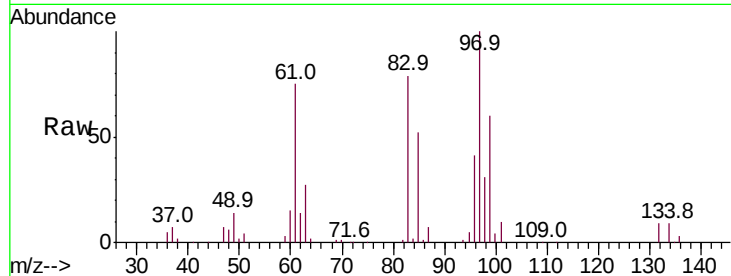
#55
 1,1,2-Trichloroethane
 Concen: 55.536 ug/l
 RT: 11.18 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	97	Resp	269165
Ion	Ratio	Lower	Upper
97	100		
83	79.0	63.2	94.8
85	52.5	42.0	63.0
99	60.4	48.3	72.5

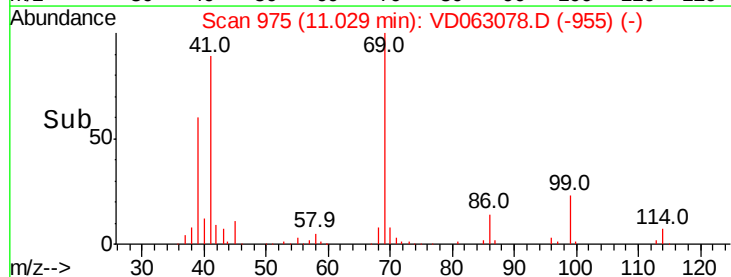
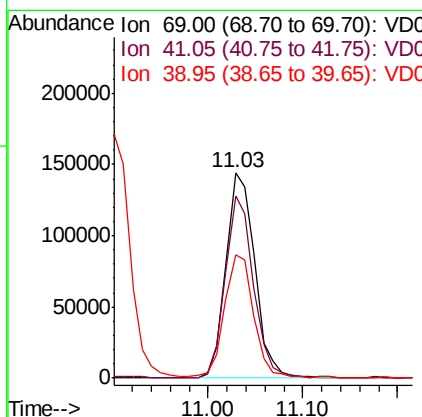
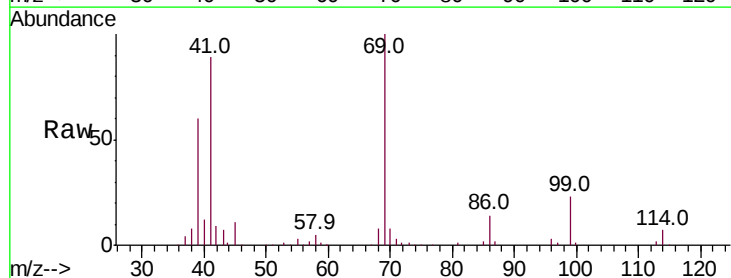
Manual Integrations
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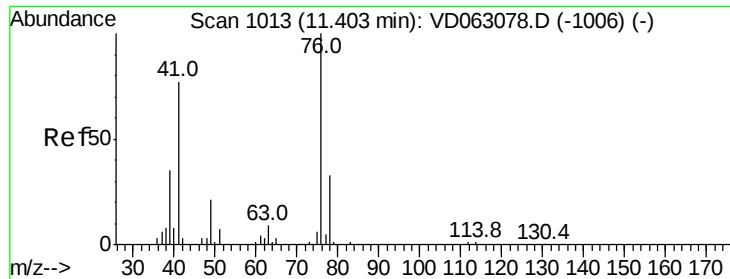
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#56
 Ethyl methacrylate
 Concen: 58.977 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	69	Resp	306077
Ion	Ratio	Lower	Upper
69	100		
41	88.7	71.0	106.4
39	59.6	47.7	71.5





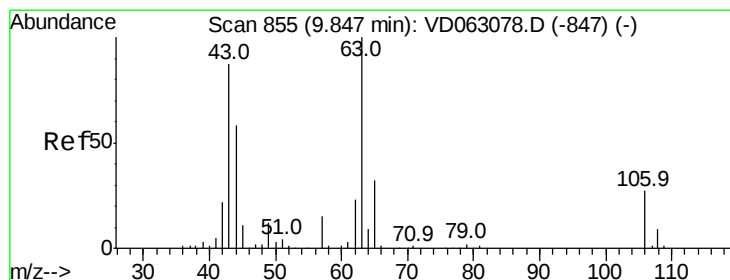
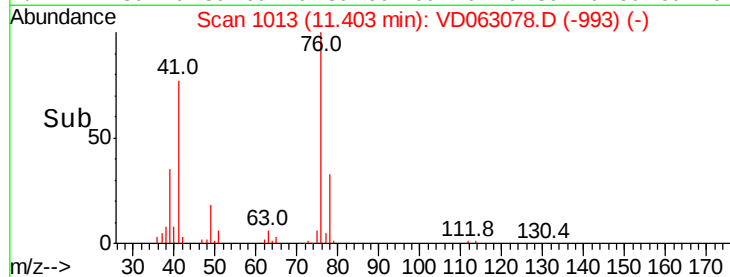
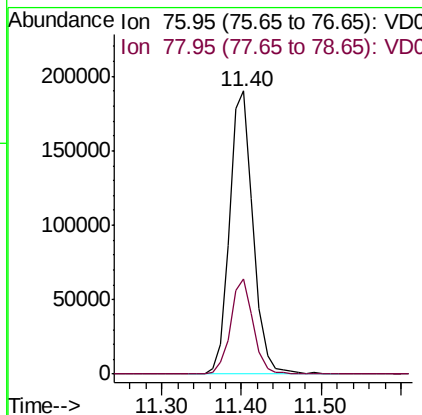
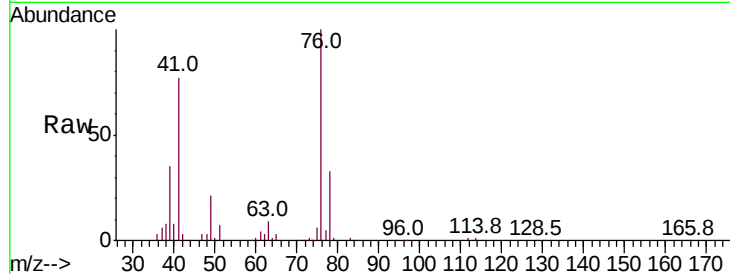
#57
 1,3-Dichloropropane
 Concen: 53.926 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 393465
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.8 40.2

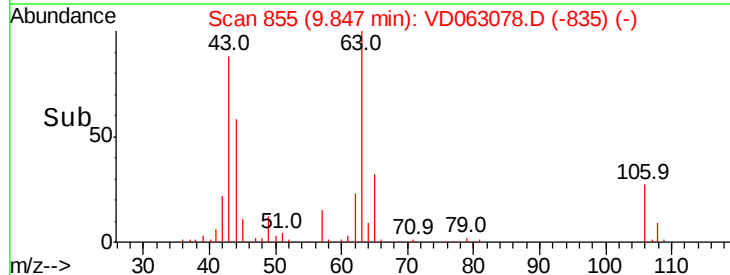
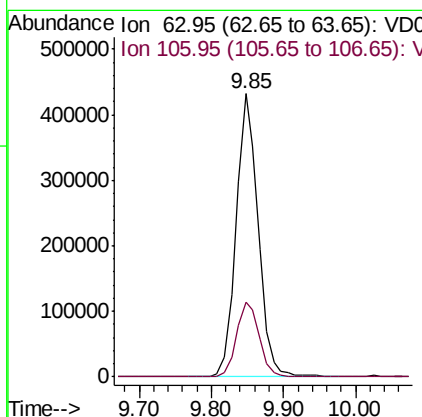
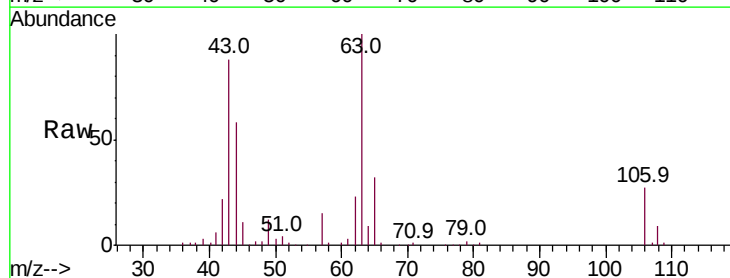
Manual Integrations
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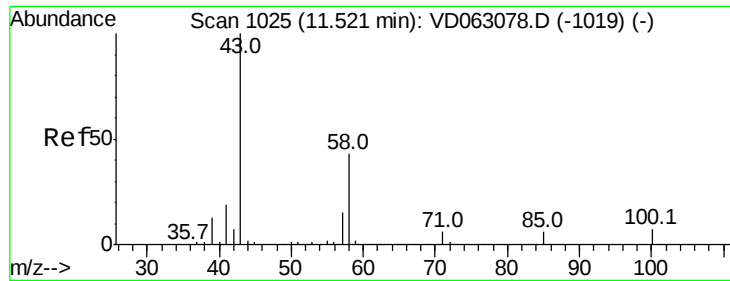
MMDadoda
 7/16/2019 9:15:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 331.431 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 63 Resp: 918958
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.3 31.9





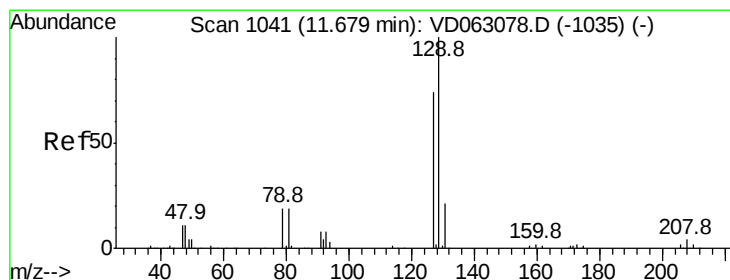
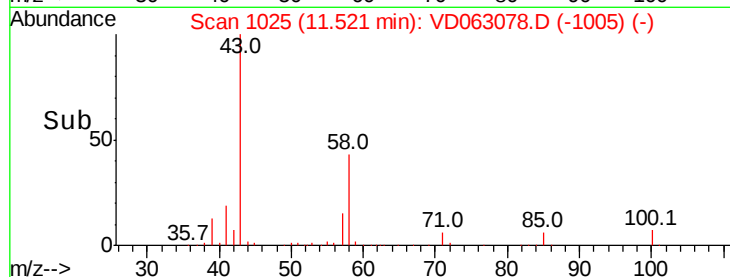
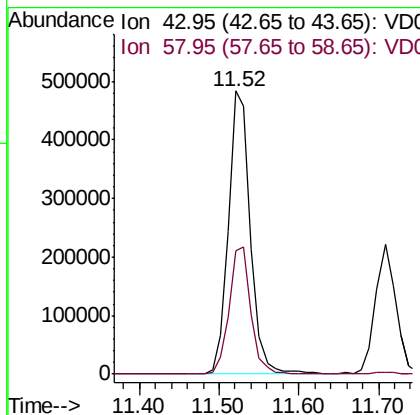
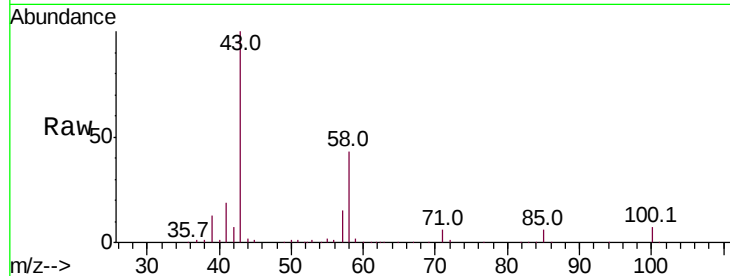
#59
2-Hexanone
Concen: 328.993 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 939347
Ion Ratio Lower Upper
43 100
58 43.4 21.7 65.1

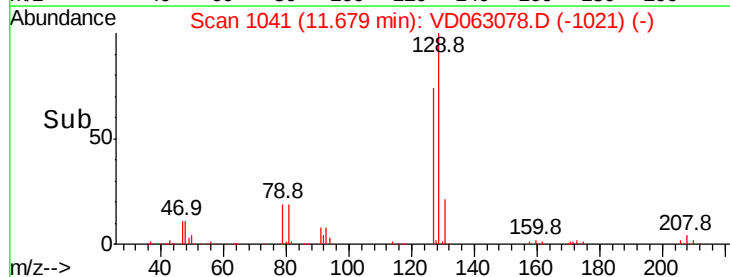
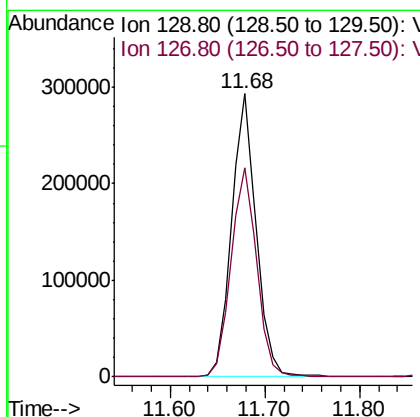
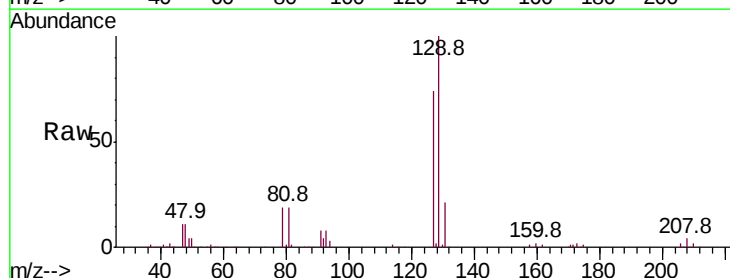
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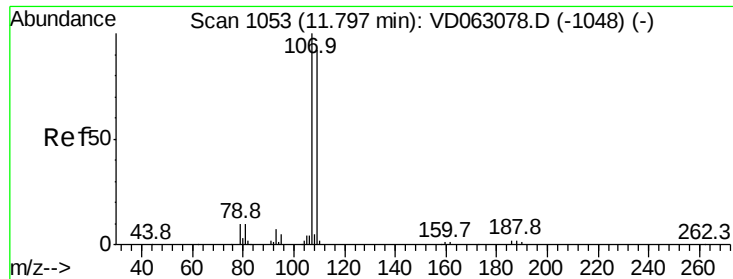
MMDadoda
7/16/2019 9:15:02 AM



#60
Dibromochloromethane
Concen: 58.209 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 129 Resp: 526301
Ion Ratio Lower Upper
129 100
127 73.9 37.0 110.9





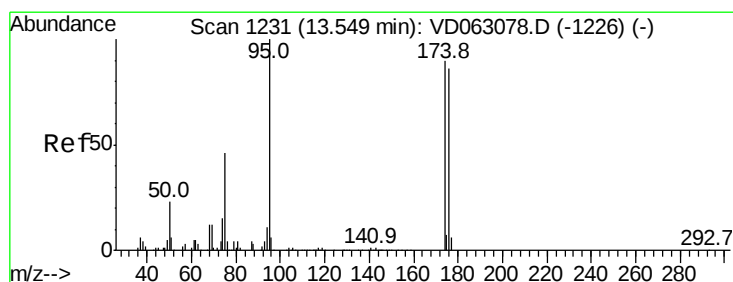
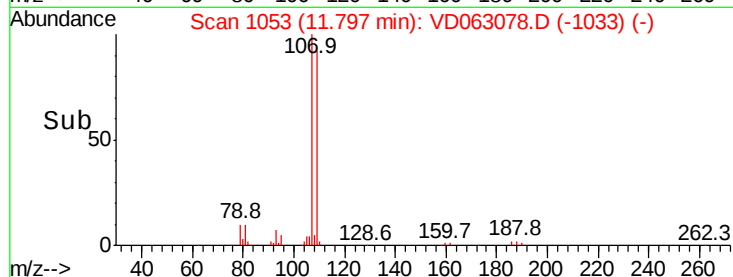
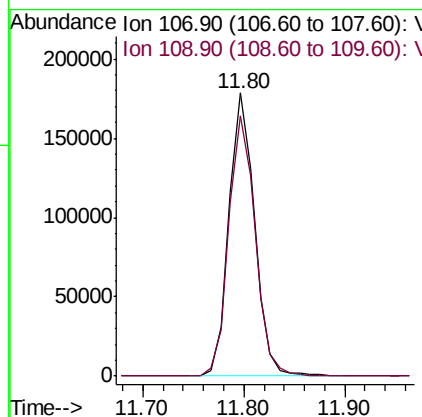
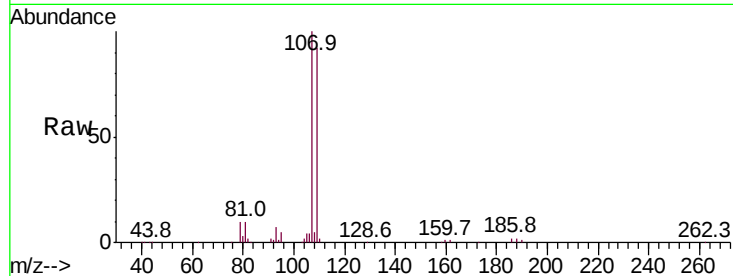
#61
 1,2-Dibromoethane
 Concen: 55.578 ug/l
 RT: 11.80 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	73.6	110.4

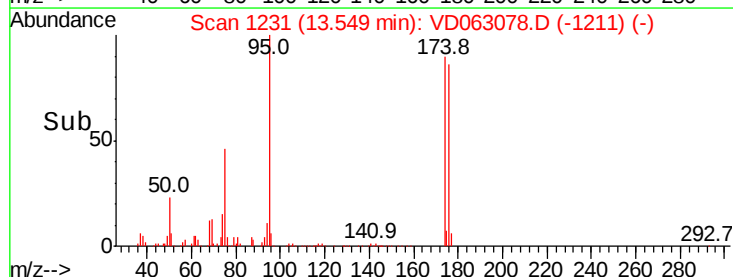
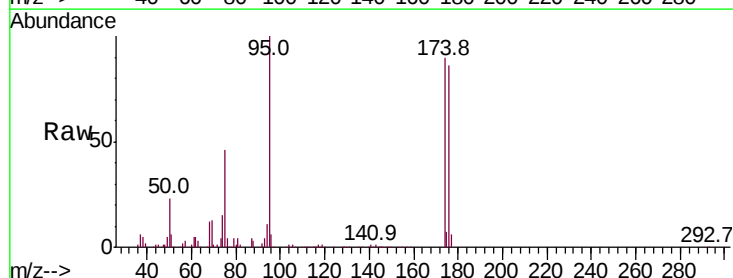
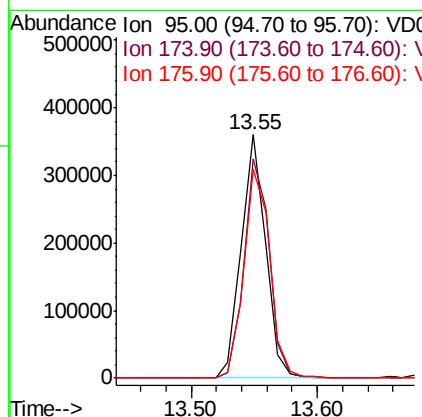
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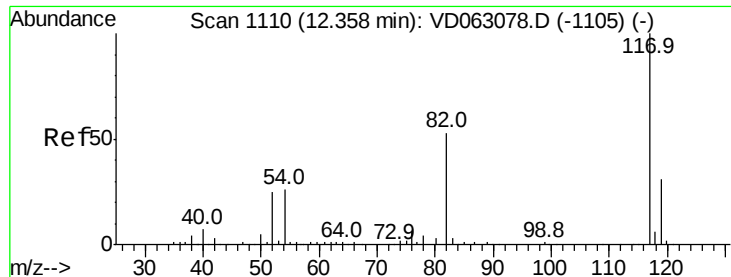
MMDadoda
 7/16/2019 9:15:02 AM



#62
 4-Bromofluorobenzene
 Concen: 52.366 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	180.6
176	86.1	0.0	172.2





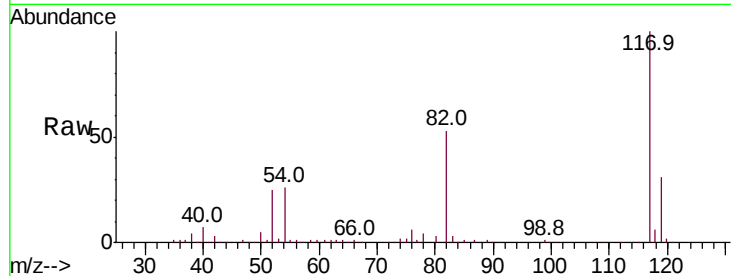
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.3	63.5
119	31.5	25.2	37.8

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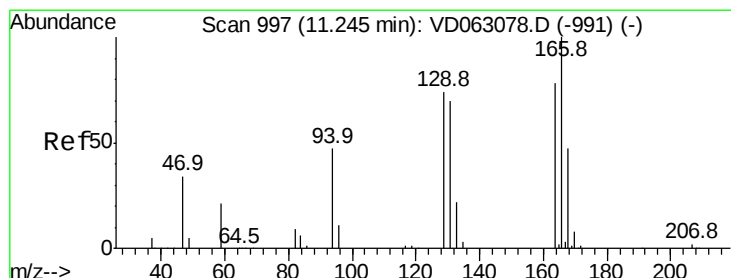
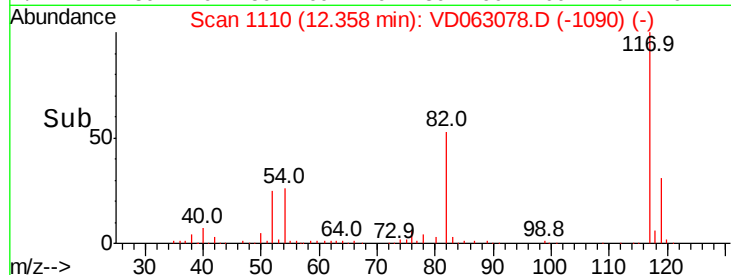
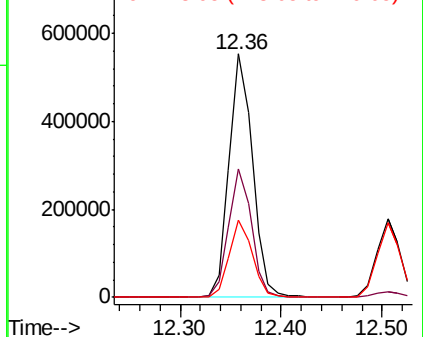


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 50.134 ug/l
RT: 11.25 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	95.5	76.4	114.6
131	89.6	71.7	107.5

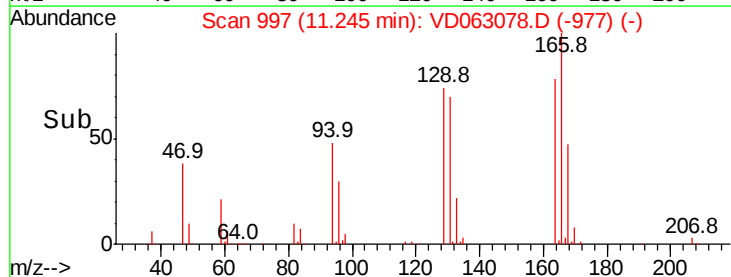
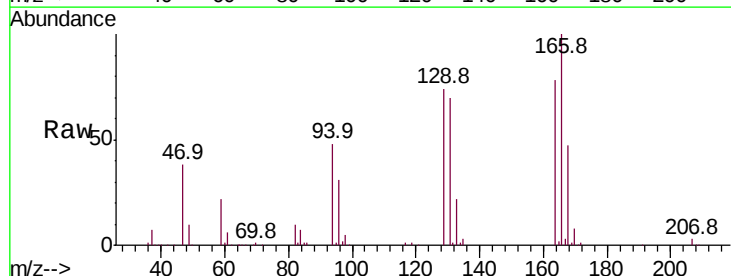
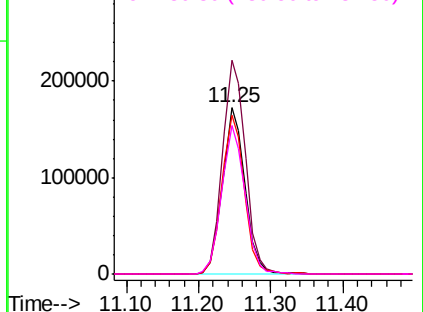
Abundance

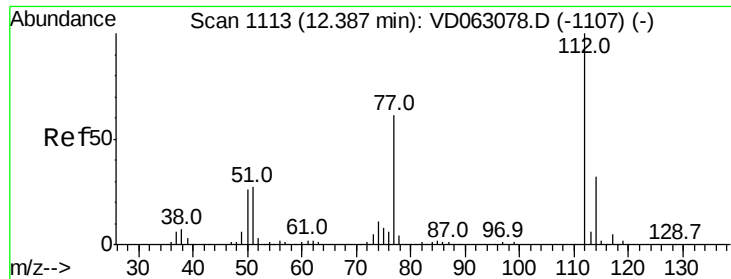
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





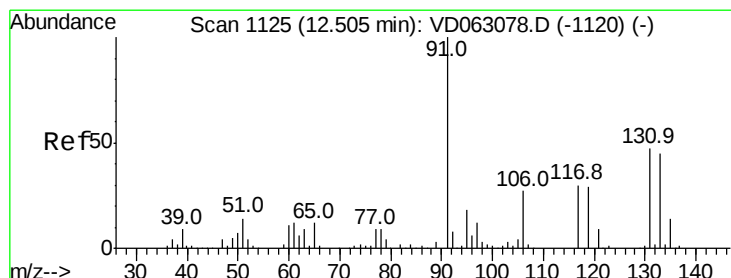
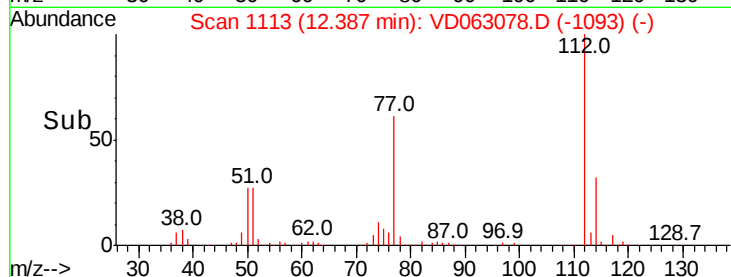
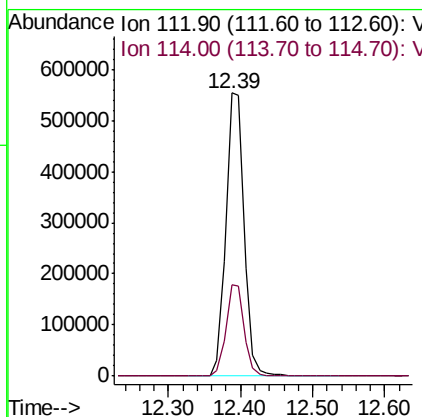
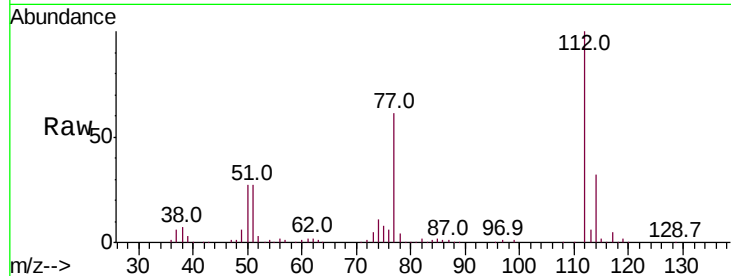
#65
Chlorobenzene
Concen: 56.825 ug/l
RT: 12.39 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 967995
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

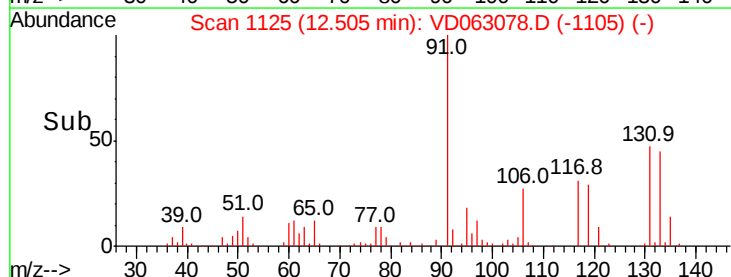
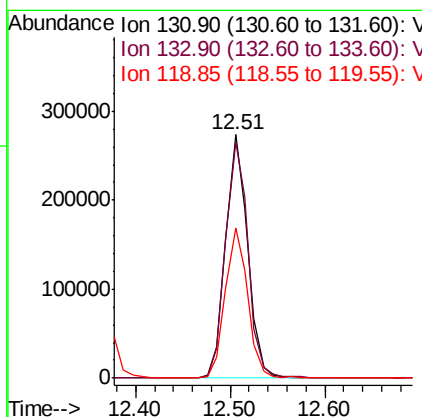
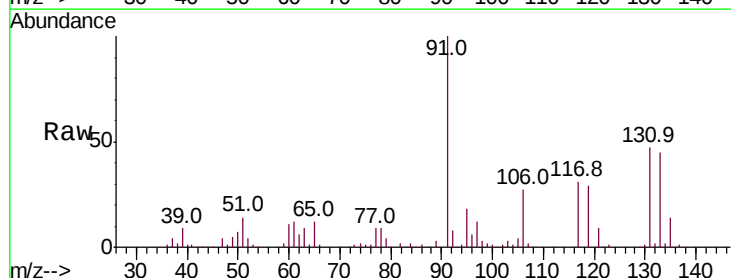
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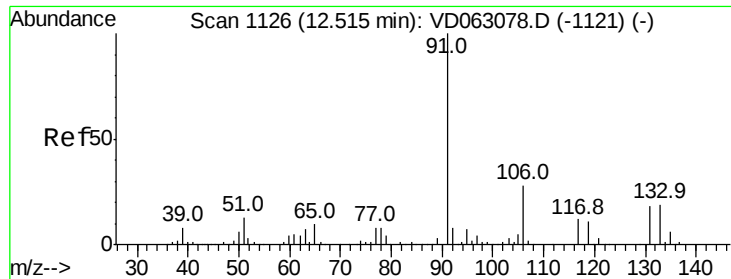
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.538 ug/l
RT: 12.51 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion:131 Resp: 441265
Ion Ratio Lower Upper
131 100
133 97.1 48.5 145.6
119 61.5 30.8 92.3





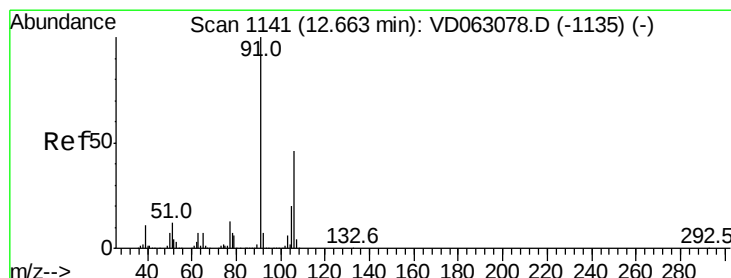
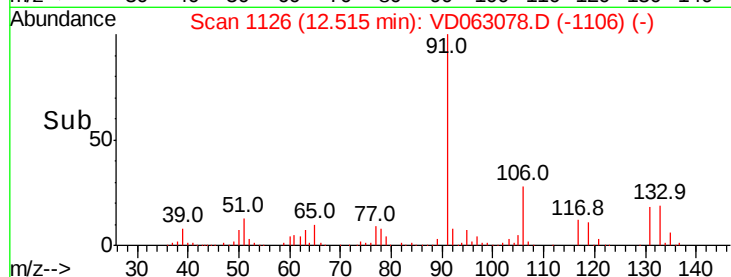
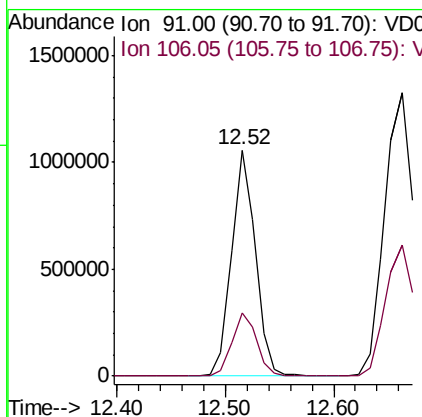
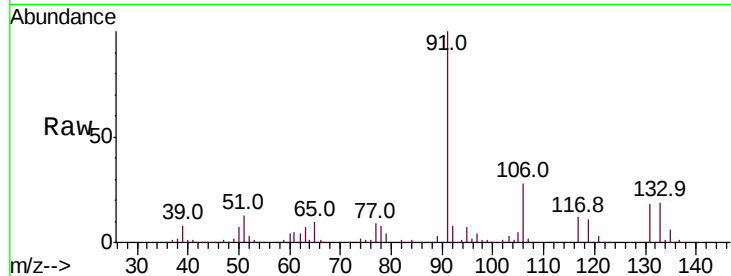
#67
Ethyl Benzene
Concen: 53.335 ug/l
RT: 12.52 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1623494
Ion Ratio Lower Upper
91 100
106 28.1 22.5 33.7

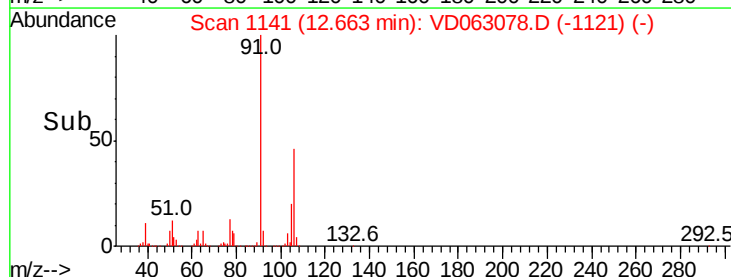
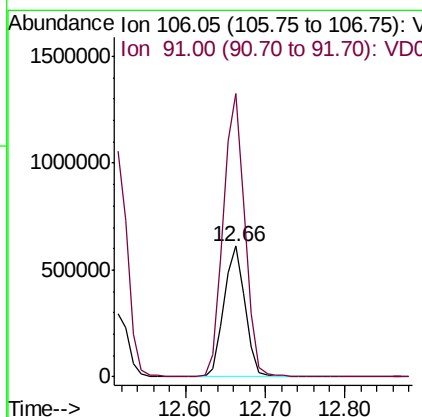
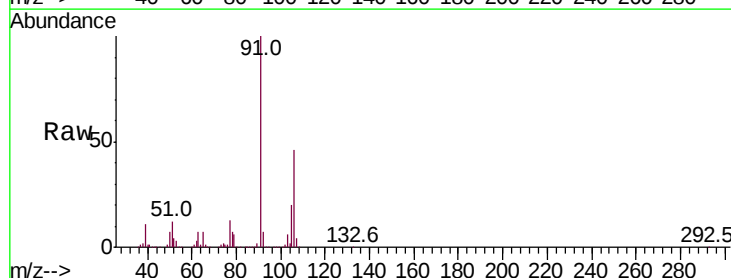
Manual Integrations
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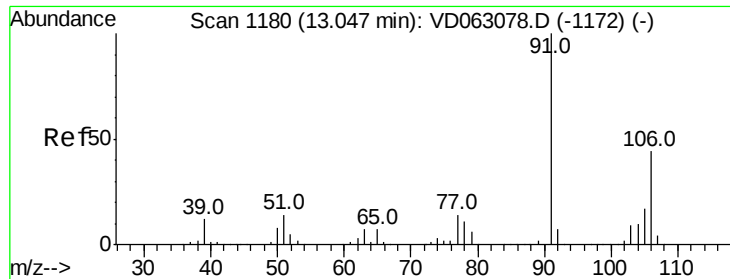
MMDadoda
7/16/2019 9:15:02 AM



#68
m/p-Xylenes
Concen: 108.414 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion: 106 Resp: 1142118
Ion Ratio Lower Upper
106 100
91 216.3 173.0 259.6





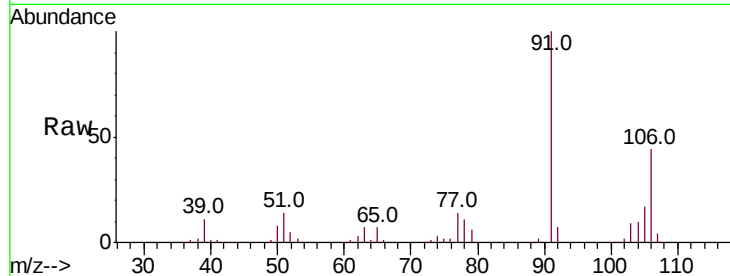
#69
o-Xylene
Concen: 57.774 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

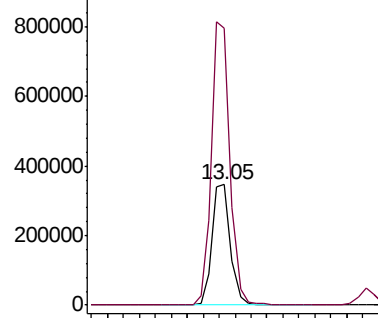
Tot Ion:106 Resp: 561040
Ion Ratio Lower Upper
106 100
91 229.8 114.9 344.7

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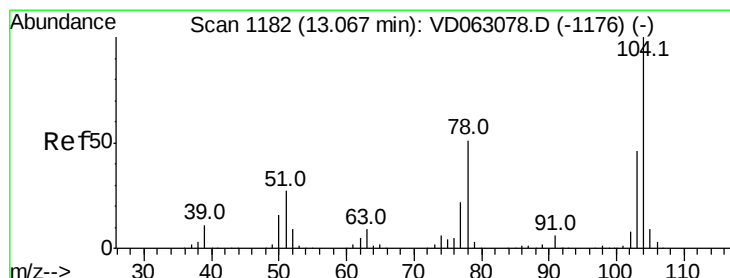
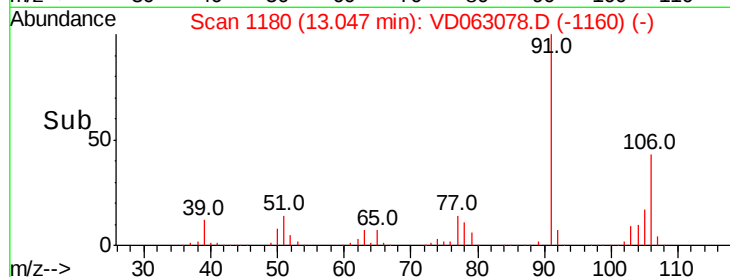
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Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

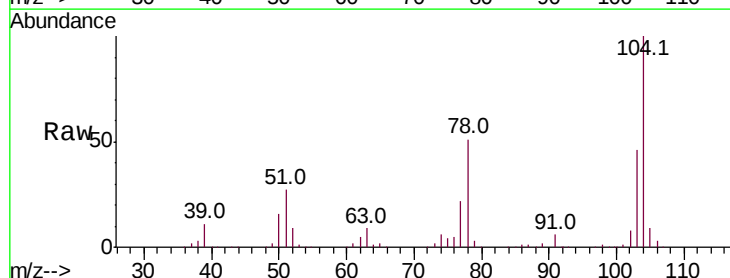


Time-->

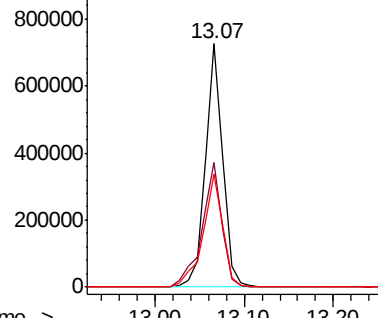


#70
Styrene
Concen: 58.451 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

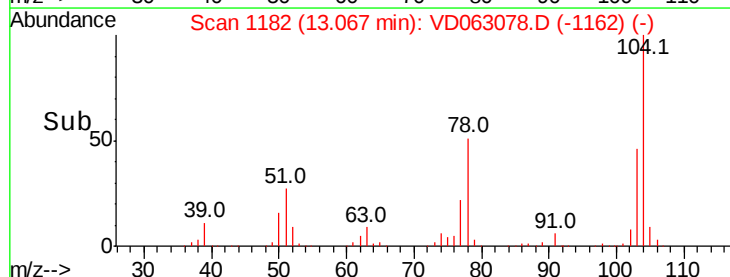
Tgt Ion:104 Resp: 1006018
Ion Ratio Lower Upper
104 100
78 51.4 41.1 61.7
103 46.3 37.0 55.6

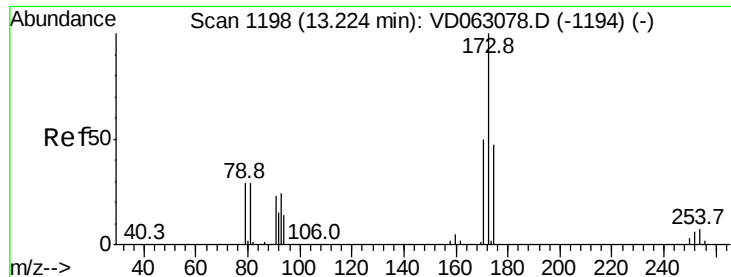


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 58.875 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 324432

Ion Ratio Lower Upper

173 100

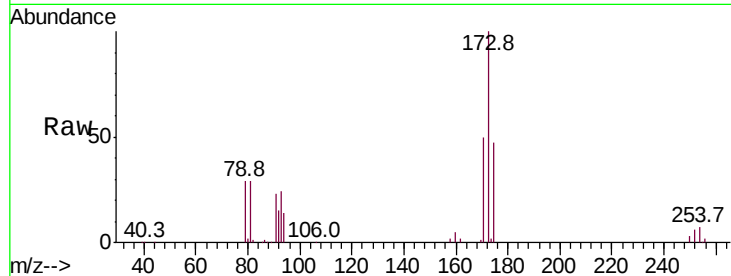
175 46.8 23.4 70.2

254 6.7 5.4 8.0

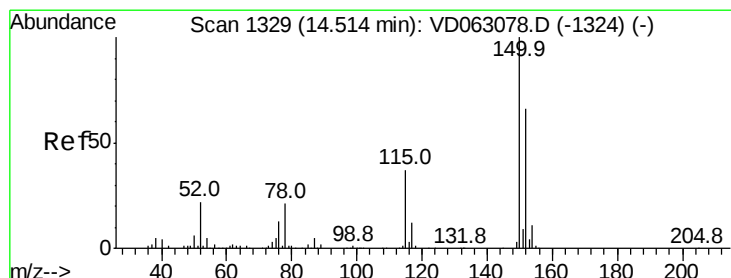
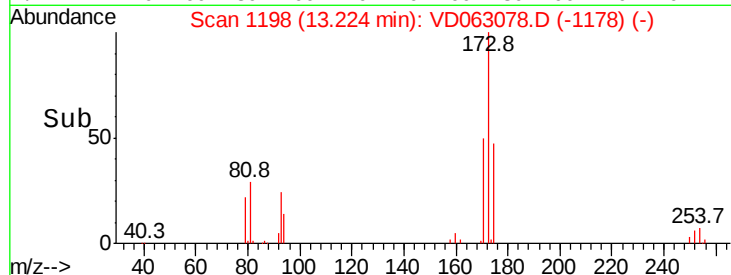
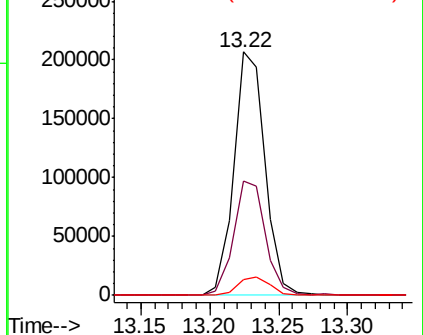
Manual Integrations
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

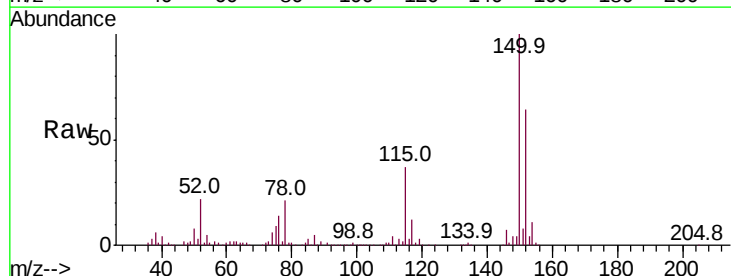
Tgt Ion:152 Resp: 465413

Ion Ratio Lower Upper

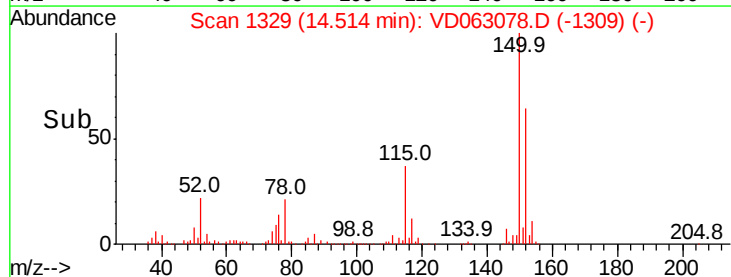
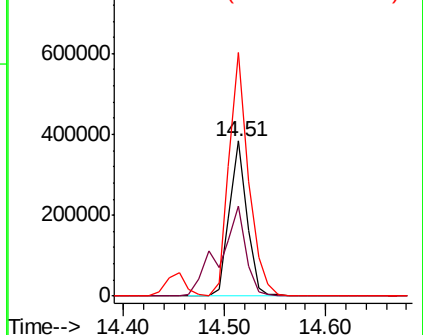
152 100

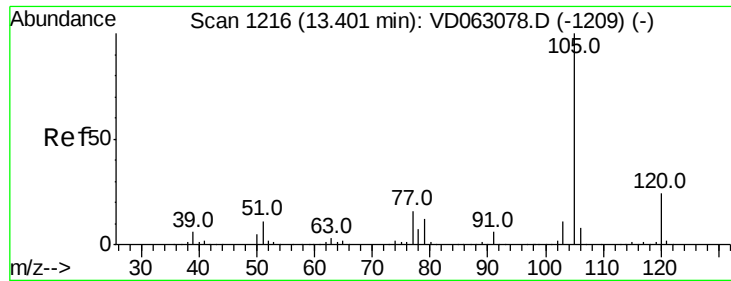
115 57.9 28.9 86.8

150 156.9 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: 54.458 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1658495

Ion Ratio Lower Upper

105 100

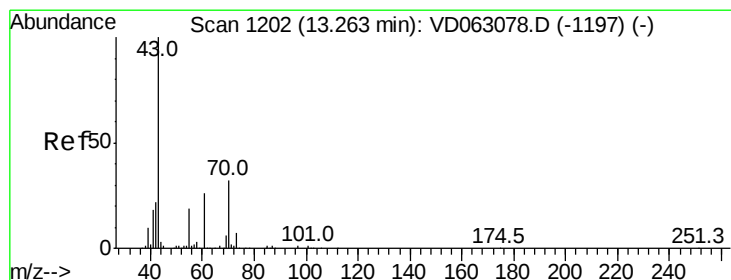
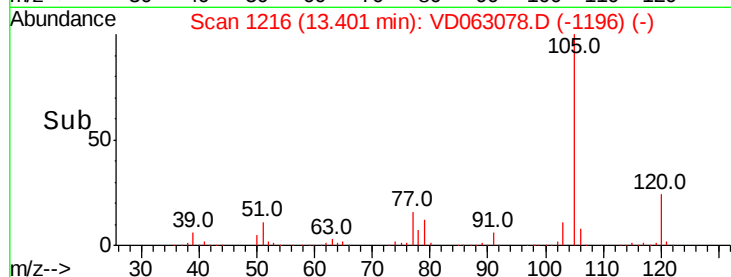
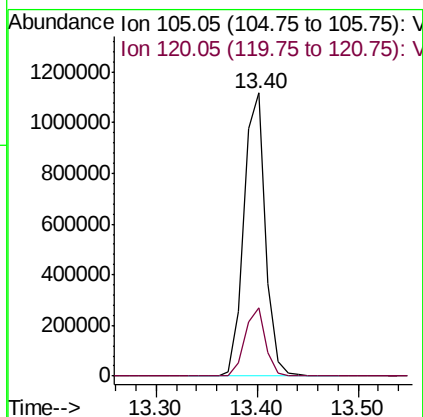
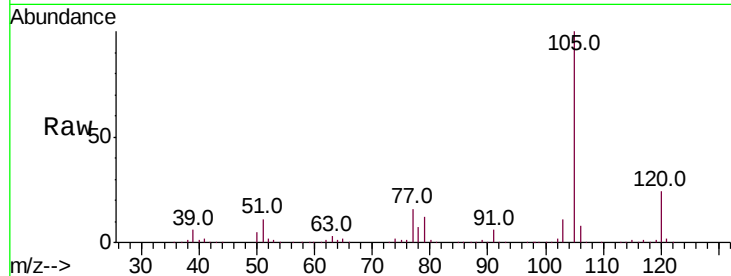
120 24.3 12.2 36.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 64.928 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Tgt Ion: 43 Resp: 494805

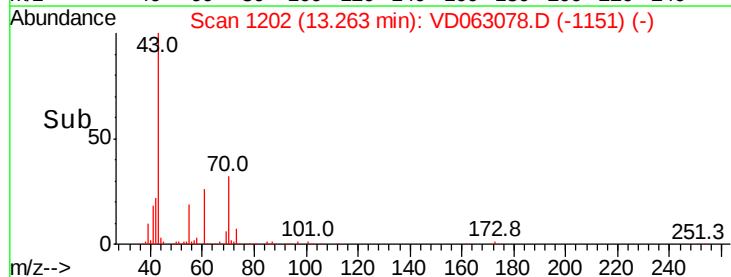
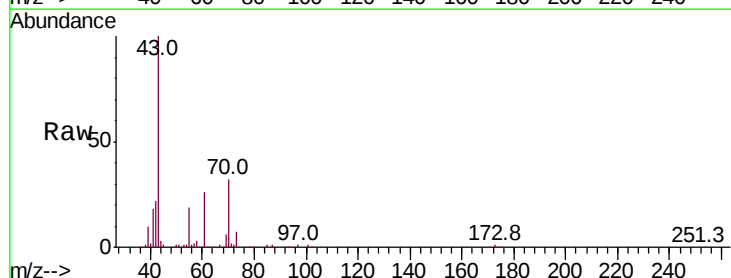
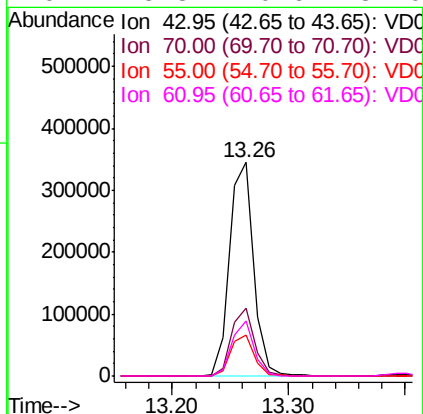
Ion Ratio Lower Upper

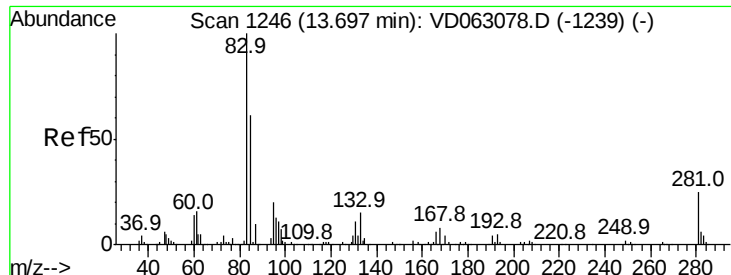
43 100

70 31.9 25.5 38.3

55 19.2 15.4 23.0

61 25.8 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.779 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 318575
Ion Ratio Lower Upper

83 100

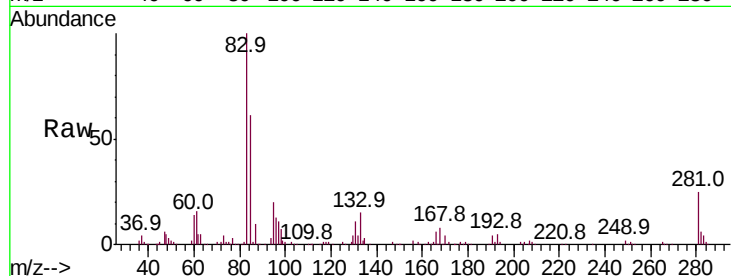
131 11.1 5.5 16.7

85 61.4 30.7 92.1

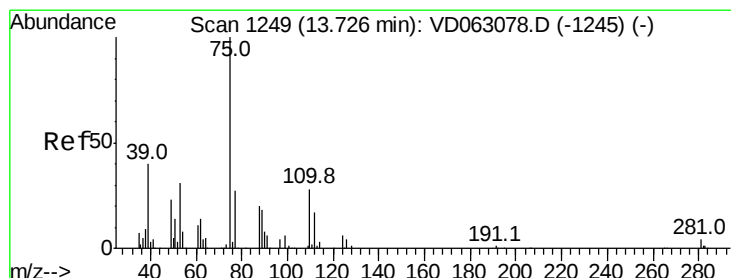
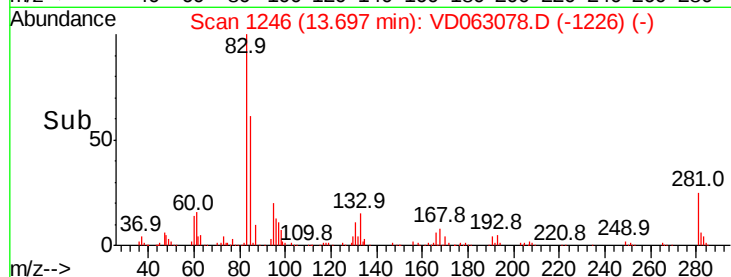
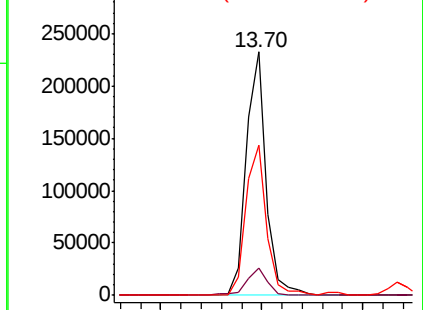
Manual Integrations
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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 62.787 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. 0.00 min

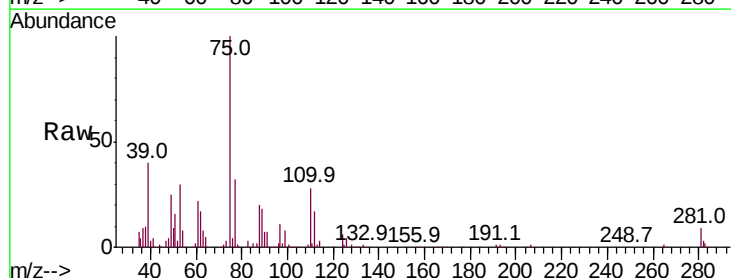
Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

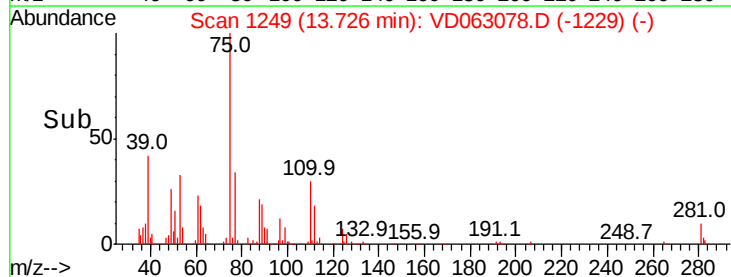
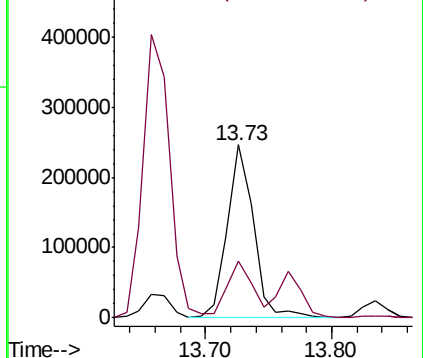
Tgt Ion: 75 Resp: 355679
Ion Ratio Lower Upper

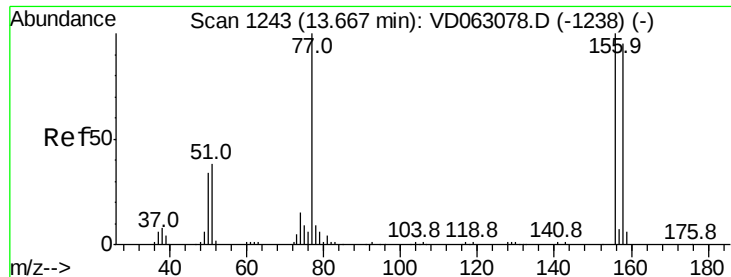
75 100

77 32.5 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 58.219 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD063078.D

Acq: 15 Jul 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 480300

Ion Ratio Lower Upper

156 100

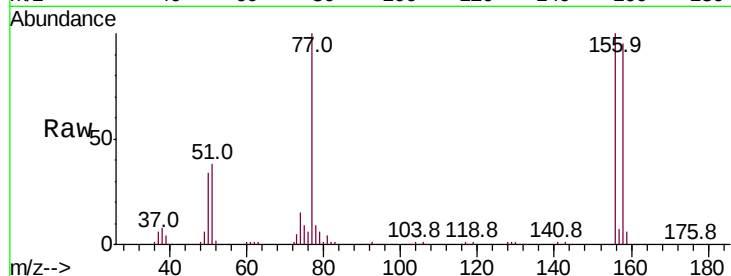
77 100.5 50.2 150.7

158 95.3 47.6 142.9

Manual Integrations
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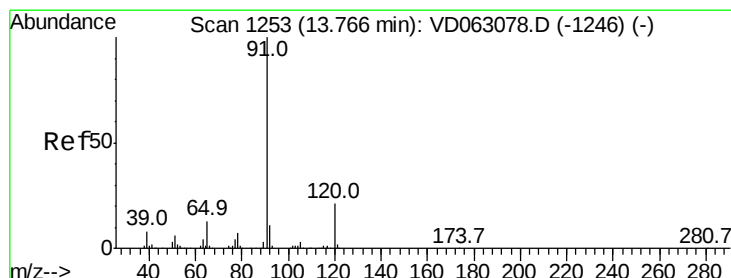
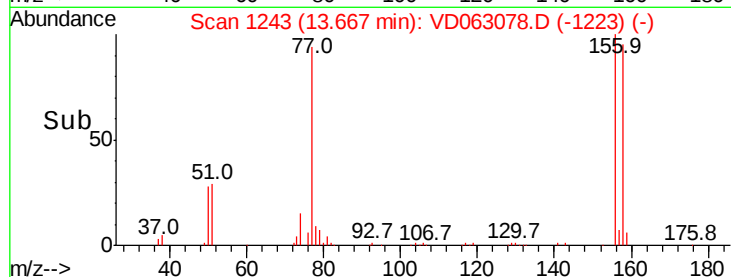
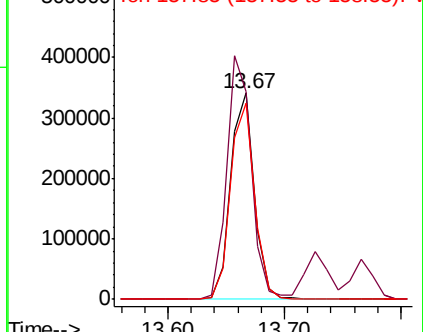
7/16/2019 9:15:02 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 56.420 ug/l

RT: 13.77 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD063078.D

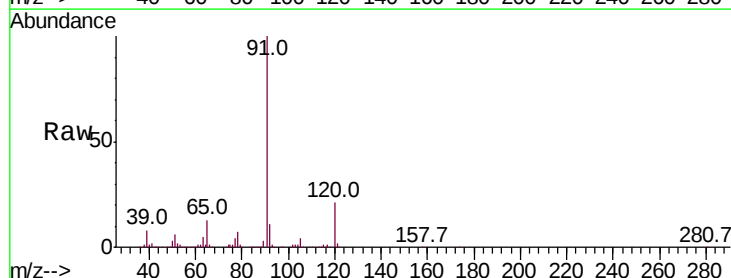
Acq: 15 Jul 2019 12:15

Tgt Ion: 91 Resp: 2030366

Ion Ratio Lower Upper

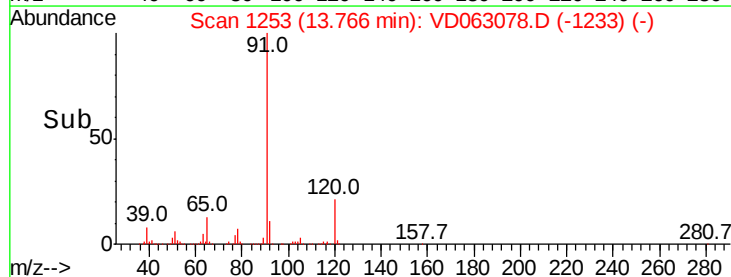
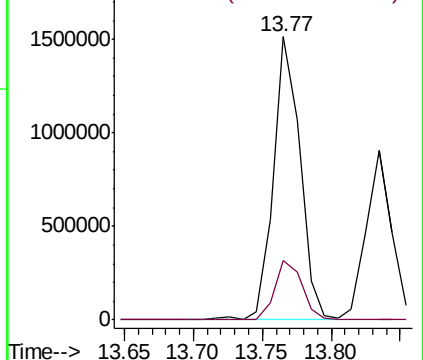
91 100

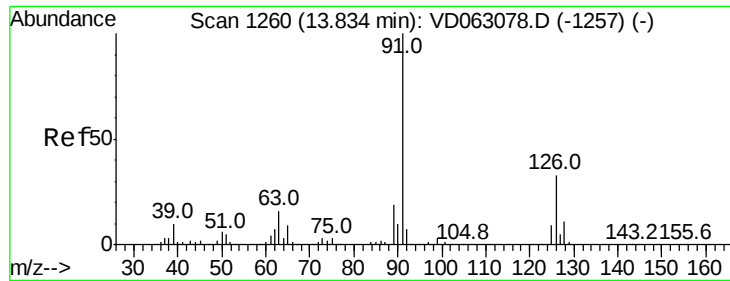
120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





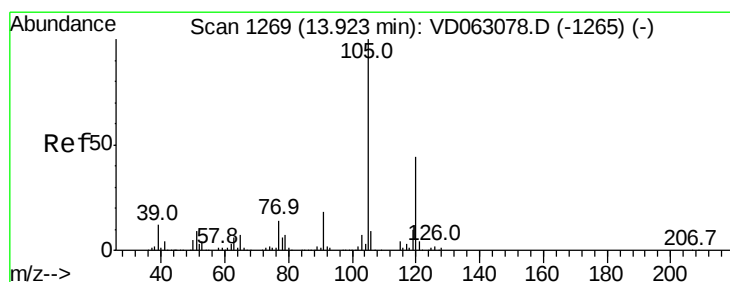
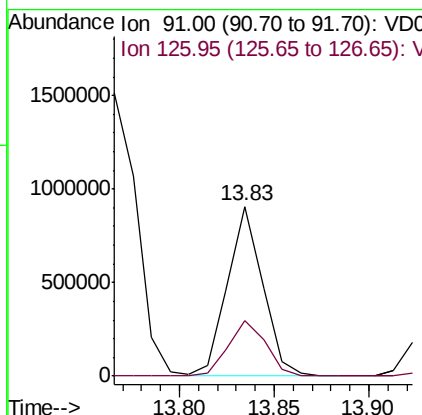
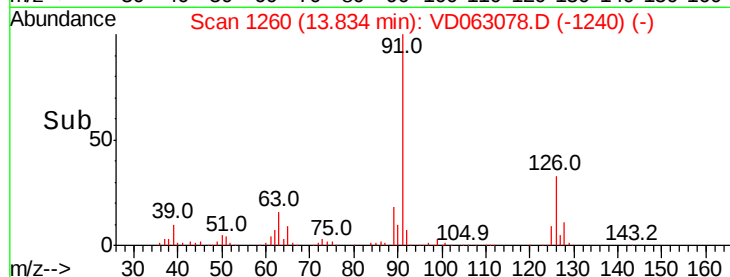
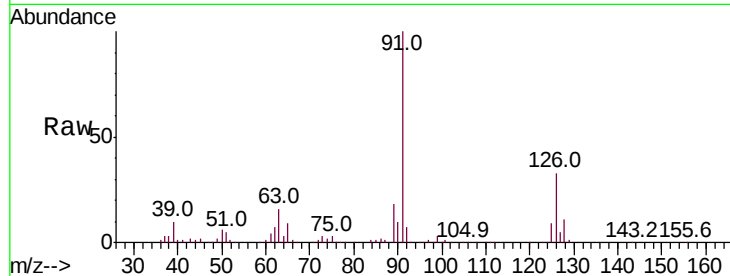
#79
 2-Chlorotoluene
 Concen: 57.011 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 1167887
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.4 49.2

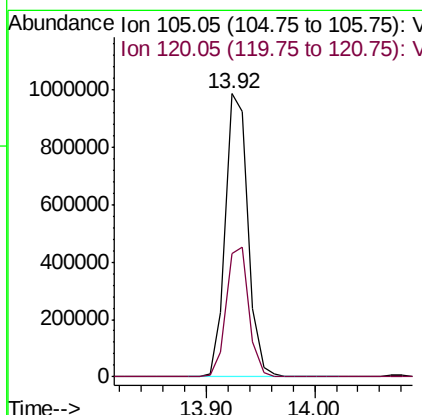
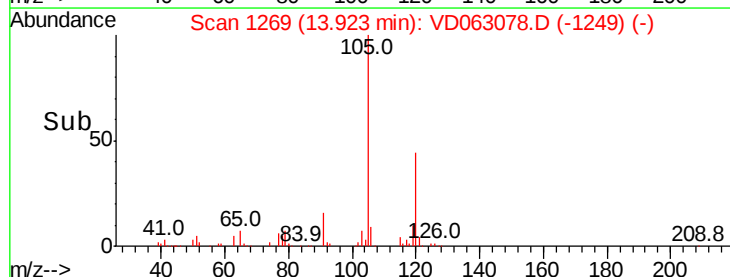
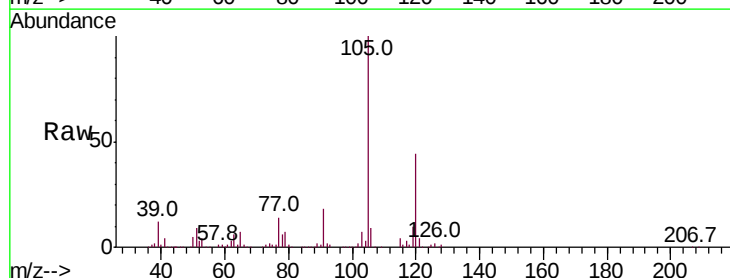
Manual Integrations
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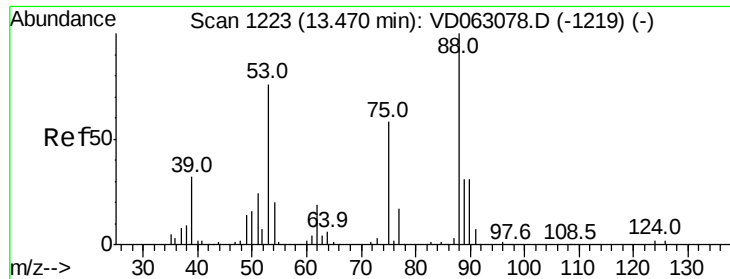
MMDadoda
 7/16/2019 9:15:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 55.578 ug/l
 RT: 13.92 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion: 105 Resp: 1432624
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.8 65.4





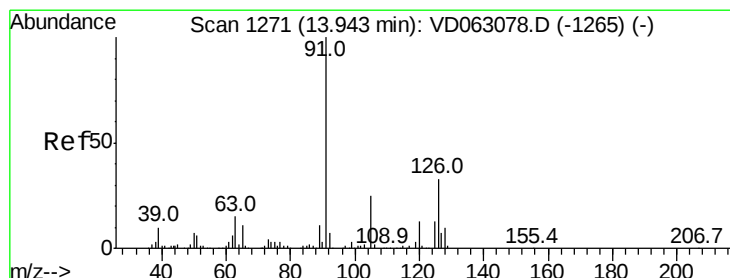
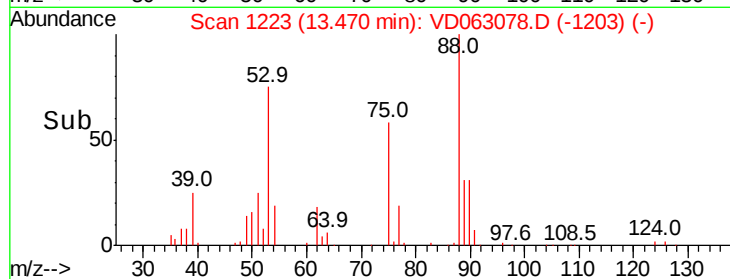
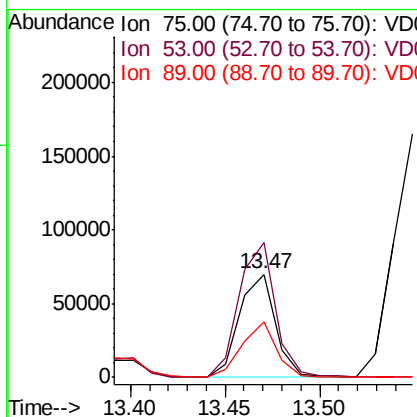
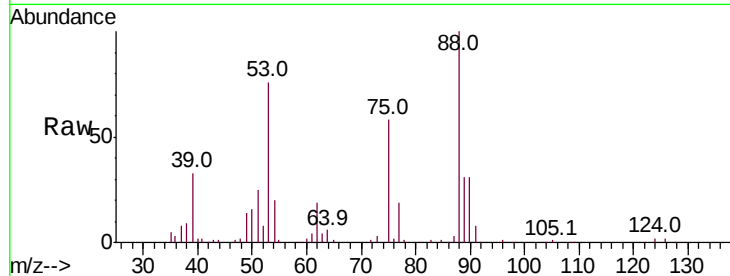
#81
trans-1,4-Dichloro-2-butene
Concen: 61.911 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.5	104.4	156.6
89	53.9	43.1	64.7

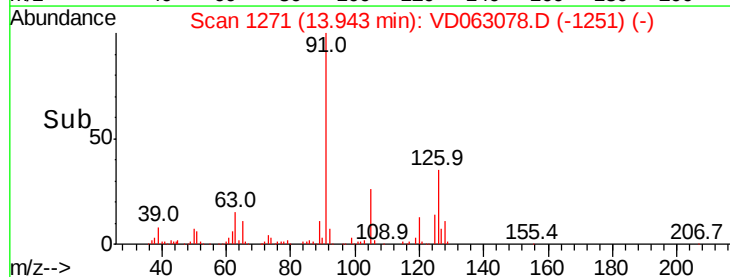
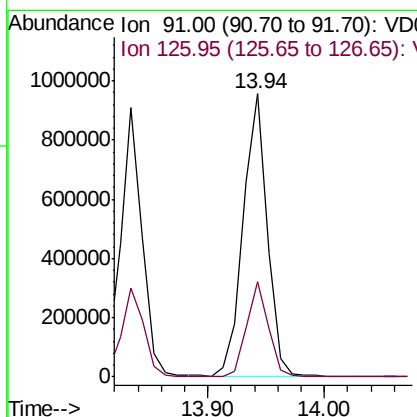
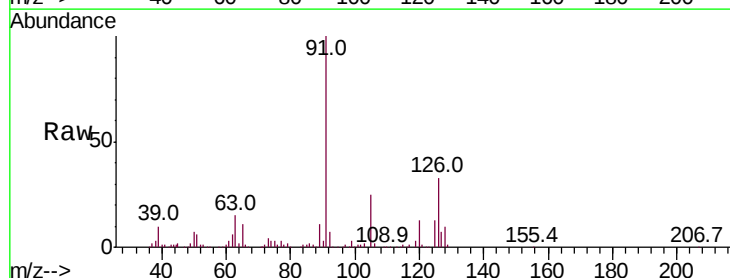
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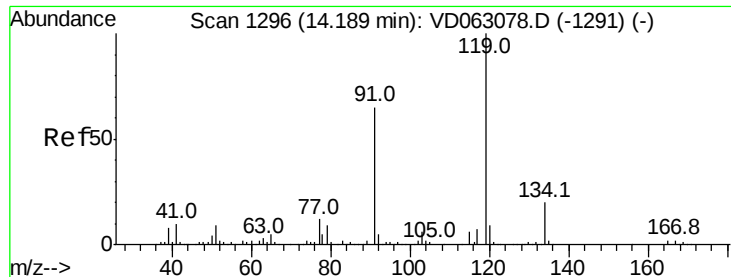
MMDadoda
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#82
4-Chlorotoluene
Concen: 55.637 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.7	50.1





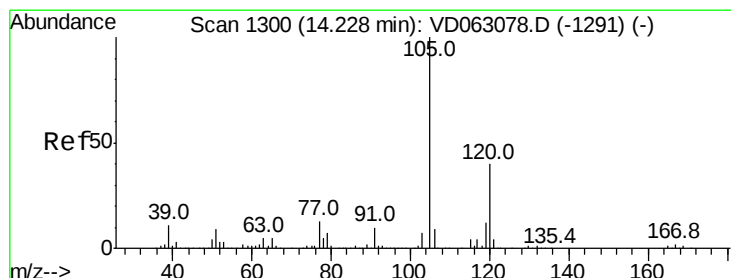
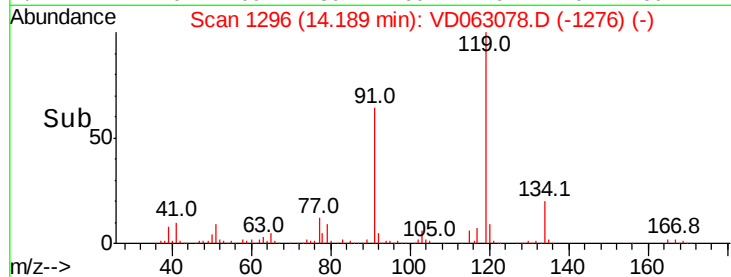
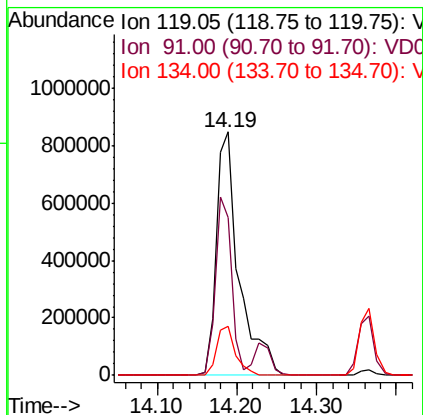
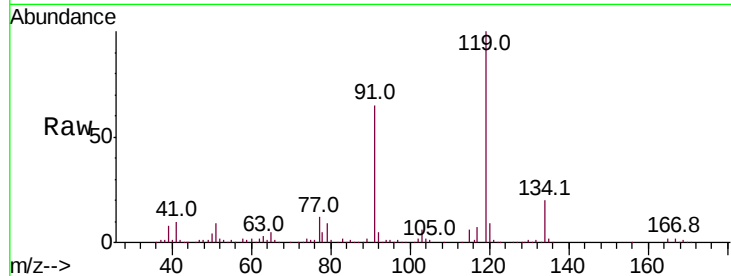
#83
 tert-Butylbenzene
 Concen: 58.503 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1692019
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.4 97.2
 134 20.4 10.2 30.6

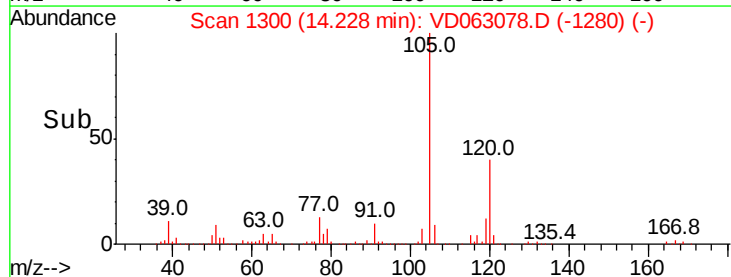
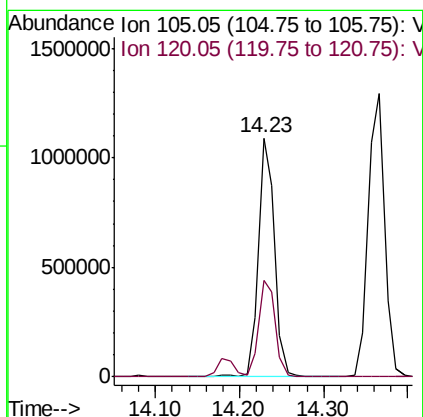
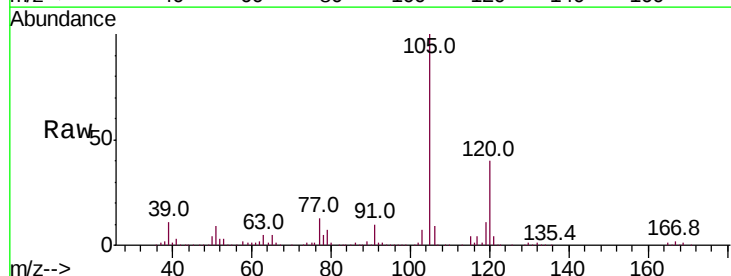
Manual Integrations
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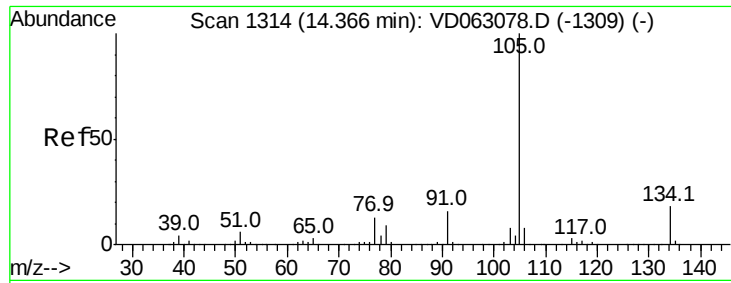
MMDadoda
 7/16/2019 9:15:02 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.132 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:105 Resp: 1472665
 Ion Ratio Lower Upper
 105 100
 120 40.4 20.2 60.6





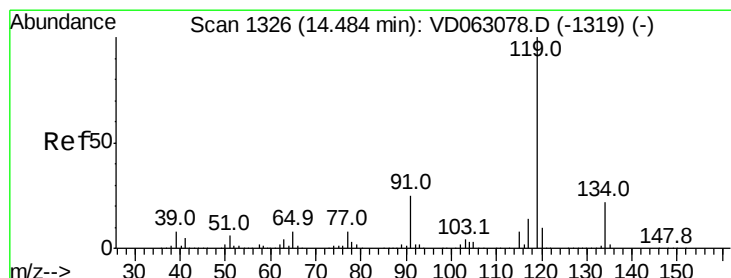
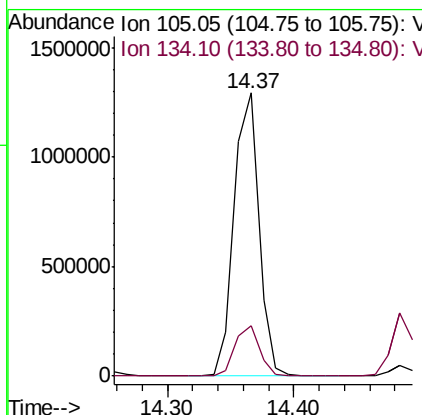
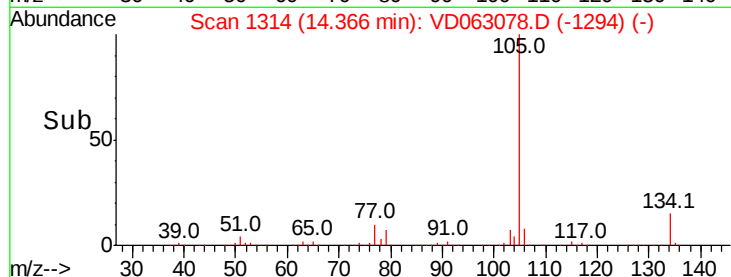
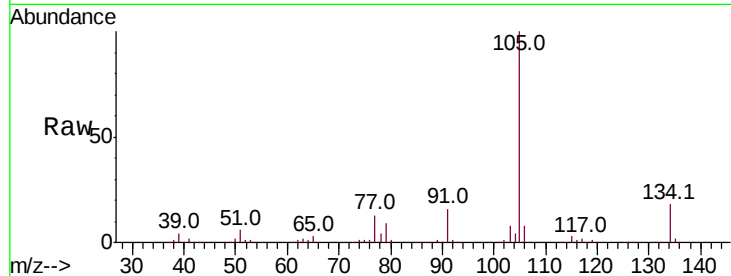
#85
 sec-Butylbenzene
 Concen: 56.048 ug/l
 RT: 14.37 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1756175
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.8

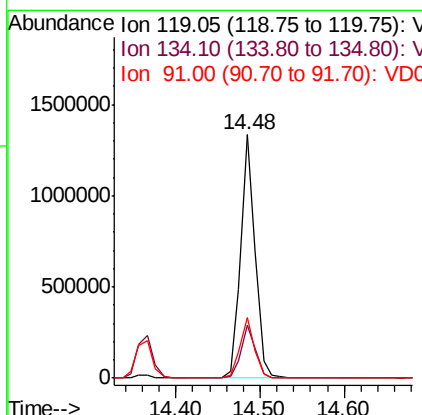
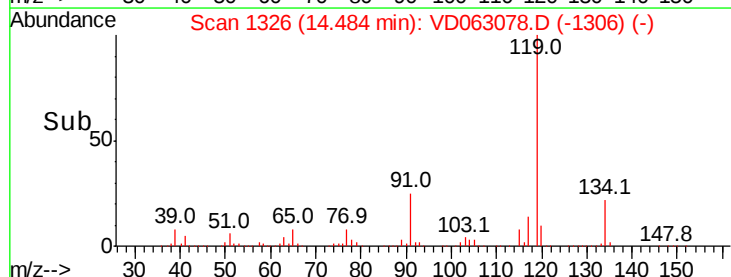
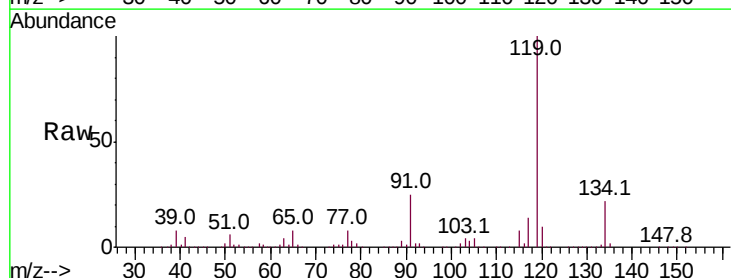
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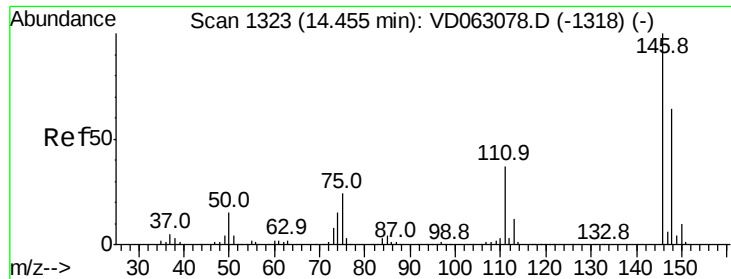
MMDadoda
 7/16/2019 9:15:02 AM



#86
 p-Isopropyltoluene
 Concen: 56.020 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion:119 Resp: 1583200
 Ion Ratio Lower Upper
 119 100
 134 21.6 10.8 32.4
 91 25.0 12.5 37.5





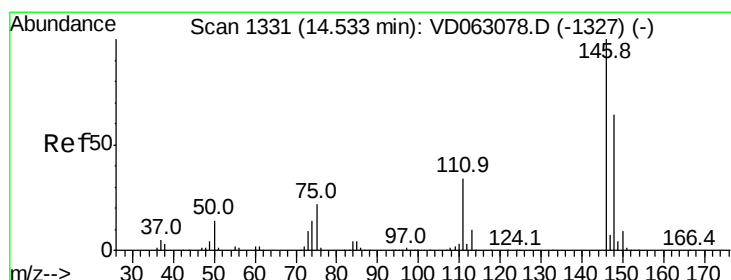
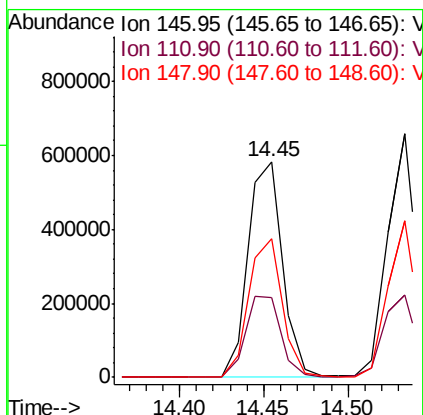
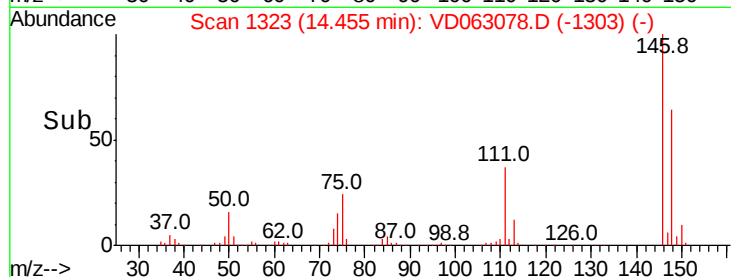
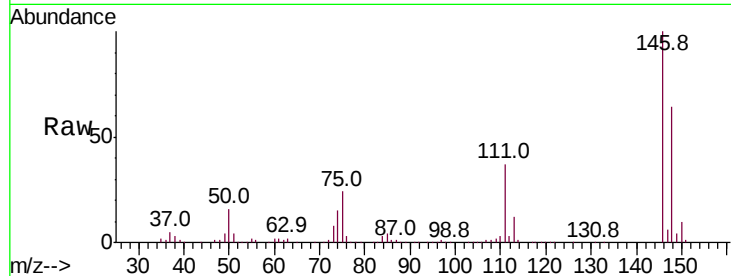
#87
 1,3-Dichlorobenzene
 Concen: 56.258 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	64.0	32.0	96.0

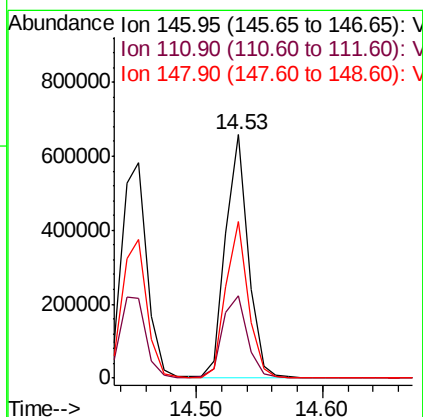
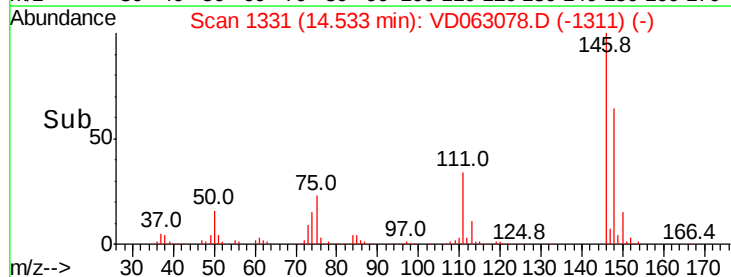
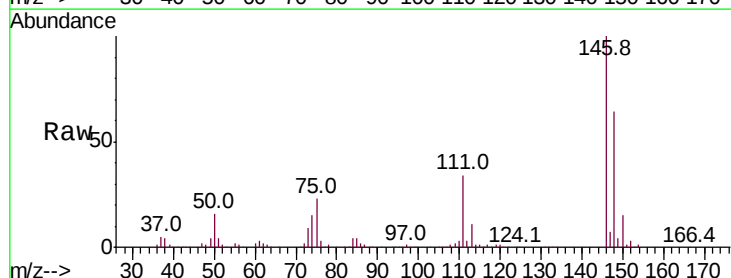
Manual Integrations
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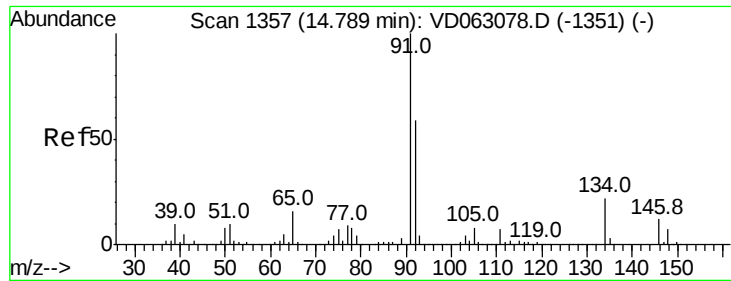
MMDadoda
 7/16/2019 9:15:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 55.184 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	17.0	51.0
148	64.1	32.0	96.2





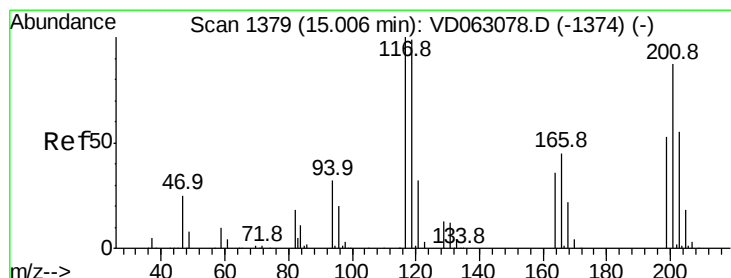
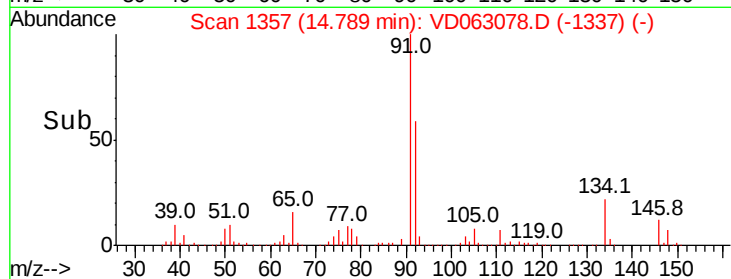
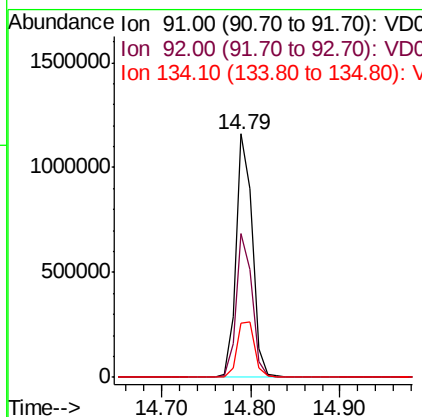
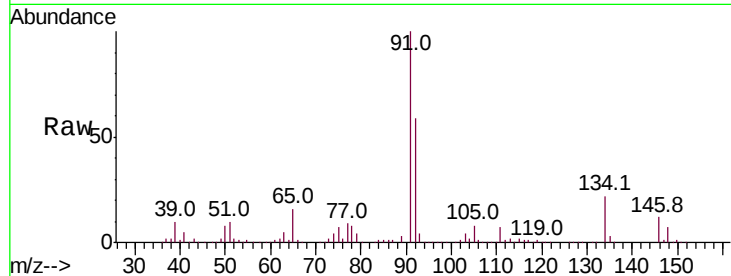
#89
n-Butylbenzene
Concen: 55.501 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.4	88.3
134	22.5	11.3	33.8

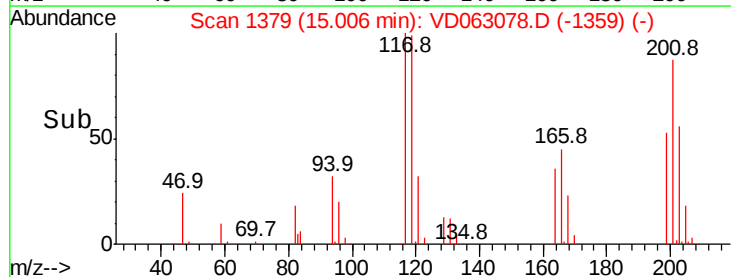
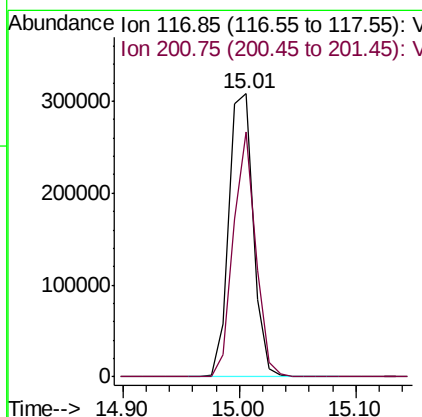
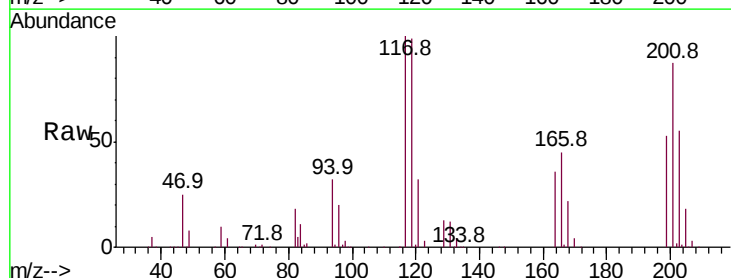
Manual Integrations
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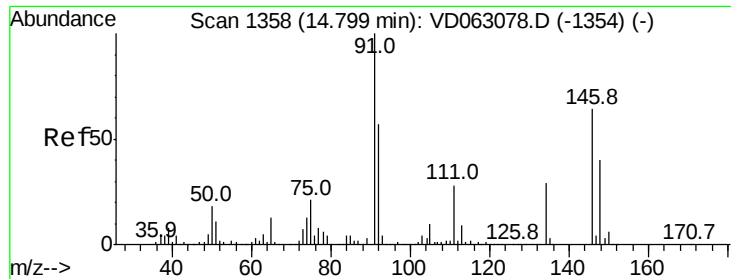
MMDadoda
7/16/2019 9:15:02 AM



#90
Hexachloroethane
Concen: 58.719 ug/l
RT: 15.01 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	43.4	130.1





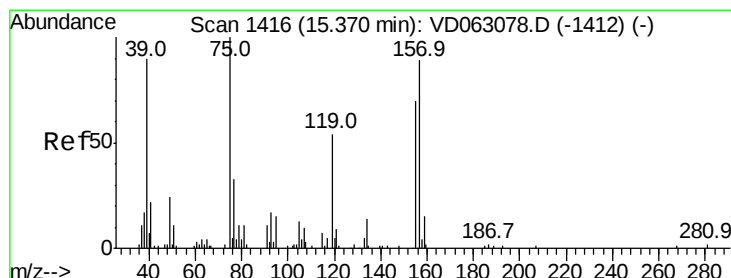
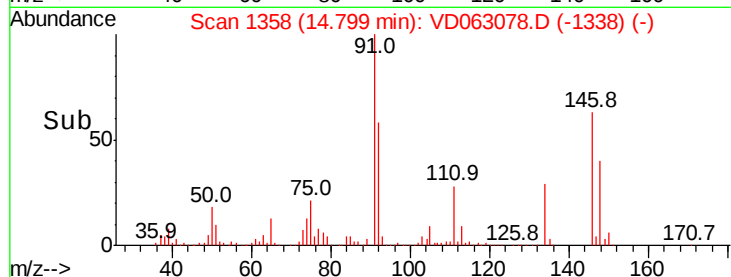
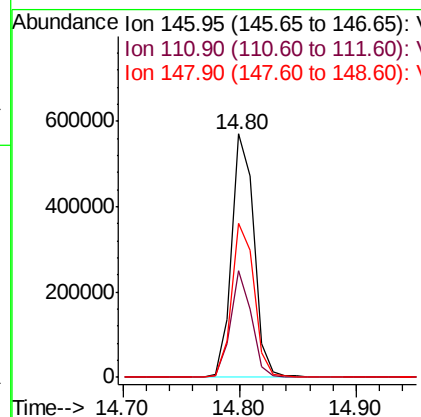
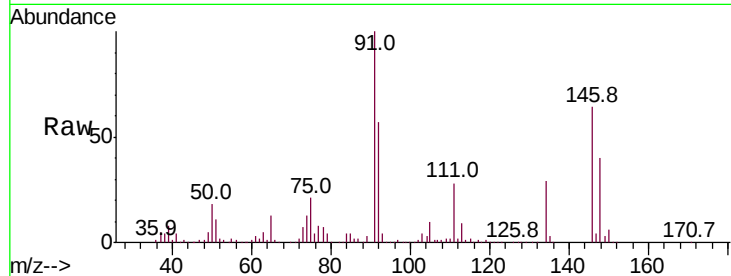
#91
 1,2-Dichlorobenzene
 Concen: 59.198 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	63.0	31.5	94.5

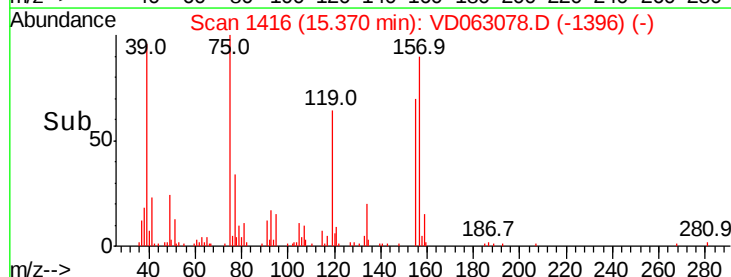
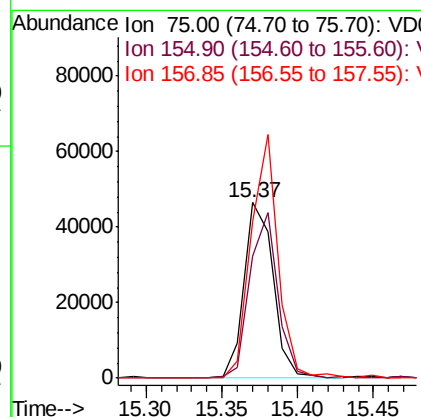
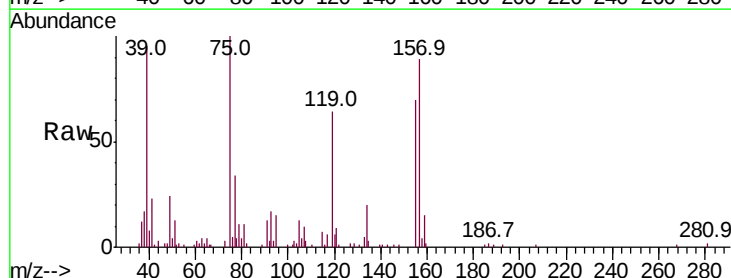
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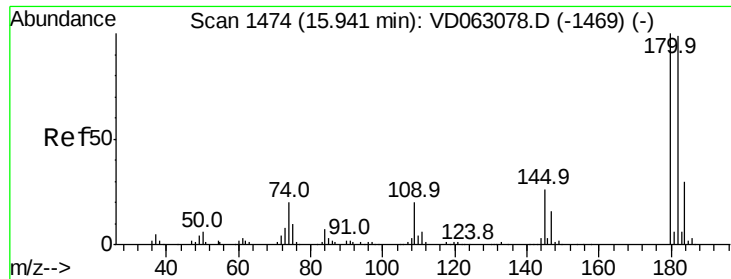
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.519 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.5	34.8	104.3
157	89.4	44.7	134.1





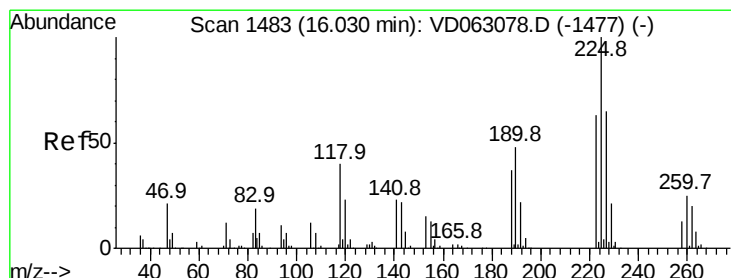
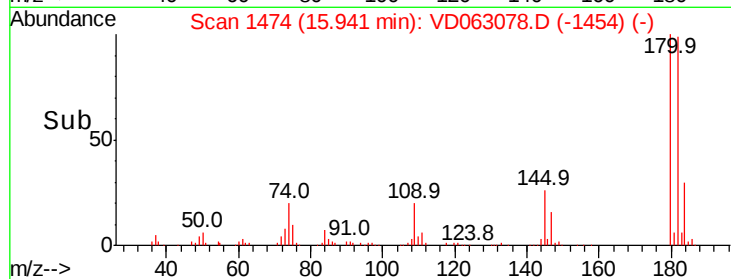
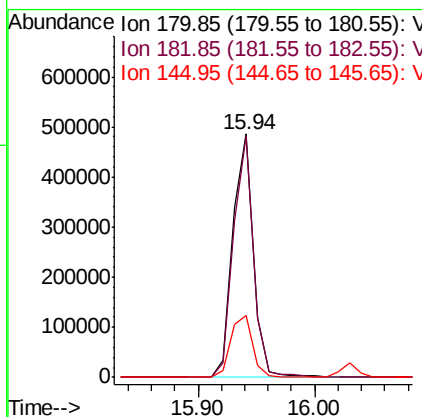
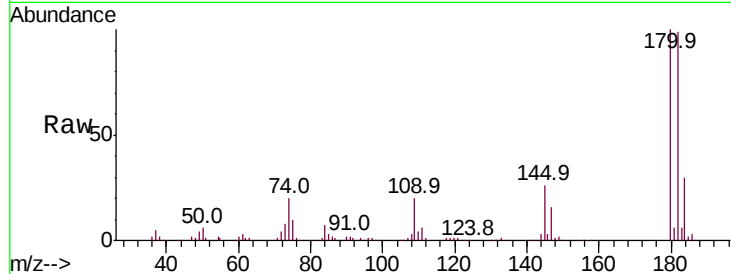
#93
 1,2,4-Trichlorobenzene
 Concen: 59.108 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	594615		
182	98.9	49.5	148.3	
145	25.6	12.8	38.4	

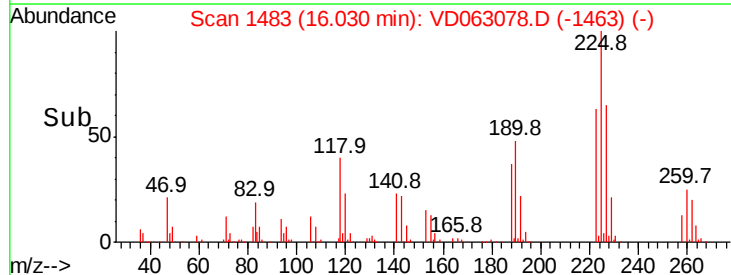
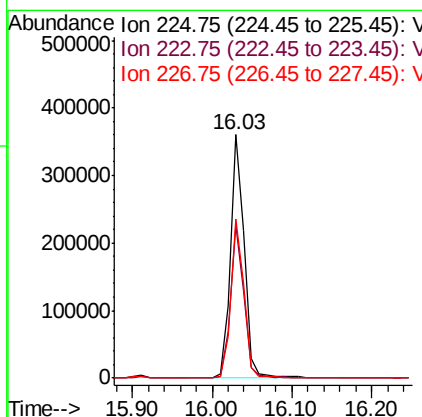
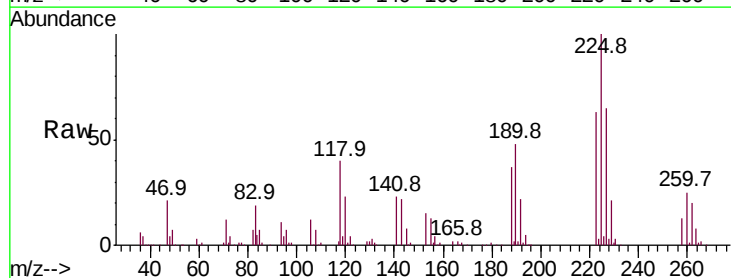
Manual Integrations
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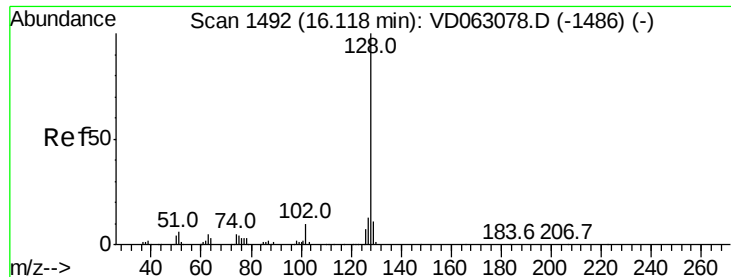
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 7/16/2019 9:15:02 AM



#94
 Hexachlorobutadiene
 Concen: 57.928 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD063078.D
 Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	440678		
223	62.8	31.4	94.2	
227	65.2	32.6	97.8	





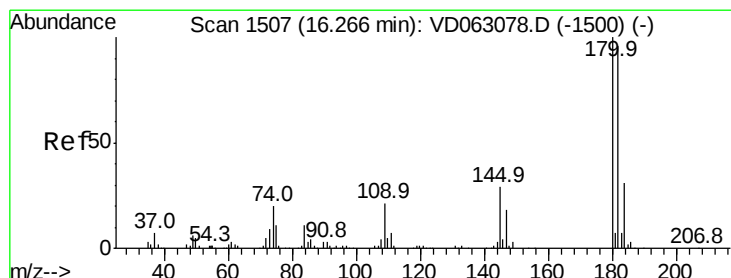
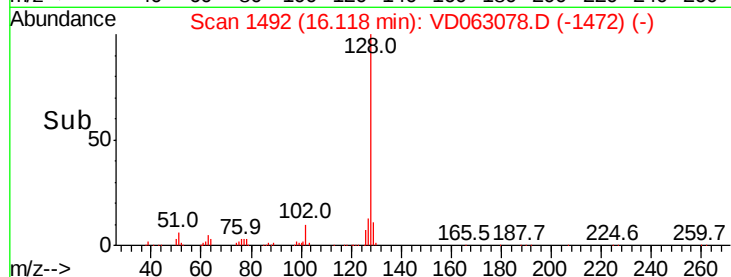
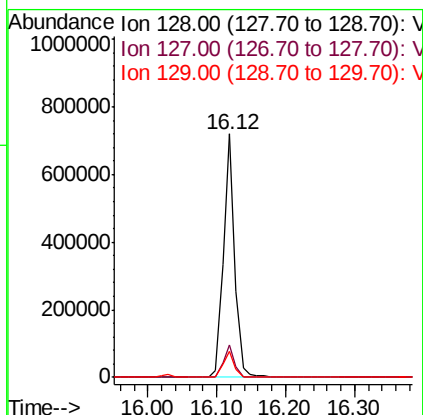
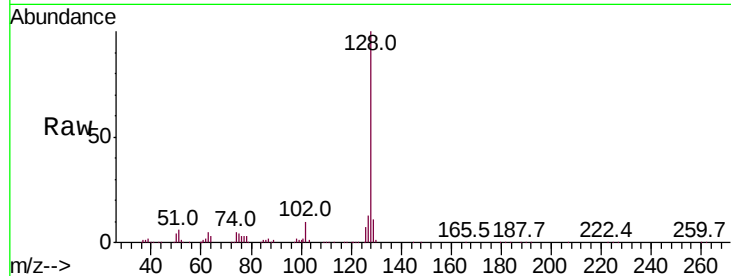
#95
Naphthalene
Concen: 59.311 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.7	13.1

Manual Integrations
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7/16/2019 9:15:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 62.300 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD063078.D
Acq: 15 Jul 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	28.9	14.4	43.4

