

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063079.D
 Acq On : 15 Jul 2019 12:50
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:15:06 AM

Quant Time: Jul 16 07:45:15 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	7.04	168	782355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1061280	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	867325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	474223	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	739279	84.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.12%	
35) Dibromofluoromethane	6.92	113	778262	84.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.06%	
50) Toluene-d8	10.40	98	1694053	85.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.96%	
62) 4-Bromofluorobenzene	13.55	95	735067	81.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	617118	62.639	ug/l	98
3) Chloromethane	1.75	50	491279	65.250	ug/l	90
4) Vinyl Chloride	1.84	62	543414	72.918	ug/l	98
5) Bromomethane	2.14	94	222740	65.562	ug/l	97
6) Chloroethane	2.25	64	279772	82.273	ug/l	99
7) Trichlorofluoromethane	2.52	101	1100091	71.635	ug/l	99
8) Diethyl Ether	2.86	74	183916	94.867	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.13	101	651411	78.935	ug/l	97
10) Methyl Iodide	3.28	142	879045	80.878	ug/l	99
11) Tert butyl alcohol	4.07	59	213610	511.202	ug/l #	93
12) 1,1-Dichloroethene	3.12	96	477985	77.615	ug/l	90
13) Acrolein	3.03	56	35891	102.554	ug/l	92
14) Allyl chloride	3.60	41	782806	84.344	ug/l	97
15) Acrylonitrile	4.19	53	502944	530.441	ug/l	96
16) Acetone	3.22	43	1000189	493.309	ug/l	99
17) Carbon Disulfide	3.36	76	1286431	66.698	ug/l	98
18) Methyl Acetate	3.63	43	240851	91.036	ug/l	97
19) Methyl tert-butyl Ether	4.23	73	1284639	93.251	ug/l	99
20) Methylene Chloride	3.80	84	555804	82.517	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	536204	81.387	ug/l	98
22) Diisopropyl ether	5.11	45	1715844	89.094	ug/l	95
23) Vinyl Acetate	5.05	43	5551311	462.700	ug/l	98
24) 1,1-Dichloroethane	4.97	63	1049029	84.860	ug/l	99
25) 2-Butanone	6.06	43	942138	559.008	ug/l	96
26) 2,2-Dichloropropane	6.01	77	1113365	84.634	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	617057	86.272	ug/l	90
28) Bromochloromethane	6.43	49	359396	81.360	ug/l	96
29) Tetrahydrofuran	6.45	42	395646	499.324	ug/l	99
30) Chloroform	6.65	83	1252833	83.484	ug/l	99
31) Cyclohexane	6.95	56	621645	77.782	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	1194055	77.311	ug/l	98
36) 1,1-Dichloropropene	7.13	75	827580	82.278	ug/l	96
37) Ethyl Acetate	6.18	43	399996	84.806	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1305034m	85.759	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	695992	79.363	ug/l	94
40) Benzene	7.45	78	1737920	84.623	ug/l	97
41) Methacrylonitrile	6.44	41	511312	93.733	ug/l #	88
42) 1,2-Dichloroethane	7.57	62	971981	87.807	ug/l	99
43) Isopropyl Acetate	9.23	43	549683	100.039	ug/l #	99
44) Trichloroethene	8.53	130	667953	84.167	ug/l	99
45) 1,2-Dichloropropane	8.94	63	441498	86.648	ug/l	94
46) Dibromomethane	9.05	93	381774	86.574	ug/l	95
47) Bromodichloromethane	9.37	83	998798	88.266	ug/l	96
48) Methyl methacrylate	9.11	41	336016	86.674	ug/l	89
49) 1,4-Dioxane	9.07	88	60919	1851.730	ug/l #	78
51) 4-Methyl-2-Pentanone	10.29	43	1956625	501.101	ug/l	100
52) Toluene	10.50	92	1144880	83.663	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	862924	91.225	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	879930	86.259	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	425451	88.836	ug/l	96
56) Ethyl methacrylate	11.03	69	500684	97.635	ug/l	95
57) 1,3-Dichloropropane	11.40	76	651001	90.294	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	1335038	487.282	ug/l	99
59) 2-Hexanone	11.52	43	1407078	498.733	ug/l	95
60) Dibromochloromethane	11.68	129	803762	89.965	ug/l	99
61) 1,2-Dibromoethane	11.80	107	538045	95.942	ug/l	99
64) Tetrachloroethene	11.25	164	567485	78.966	ug/l	97
65) Chlorobenzene	12.39	112	1367547	82.950	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	711679	92.551	ug/l	98
67) Ethyl Benzene	12.52	91	2570632	87.258	ug/l	97
68) m/p-Xylenes	12.66	106	1889784	185.350	ug/l	98
69) o-Xylene	13.04	106	825109	87.793	ug/l	99
70) Styrene	13.07	104	1458077	87.534	ug/l	98
71) Bromoform	13.23	173	520099	97.521	ug/l #	98
73) Isopropylbenzene	13.39	105	2551616	82.228	ug/l	97
74) N-amyl acetate	13.26	43	787190	101.375	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	517341	98.461	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	549153	95.139	ug/l	99
77) Bromobenzene	13.66	156	720250	85.683	ug/l	80
78) n-propylbenzene	13.77	91	2826508	77.084	ug/l	100
79) 2-Chlorotoluene	13.84	91	1751929	83.933	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	2066376	78.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	140876	93.367	ug/l	96
82) 4-Chlorotoluene	13.95	91	1951593	77.803	ug/l	98
83) tert-Butylbenzene	14.18	119	2462605	83.565	ug/l	88
84) 1,2,4-Trimethylbenzene	14.23	105	2138246	79.987	ug/l	95
85) sec-Butylbenzene	14.36	105	2654745	83.152	ug/l	95
86) p-Isopropyltoluene	14.49	119	2452524	85.168	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	1339278	89.071	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	1238965	82.360	ug/l	99
89) n-Butylbenzene	14.79	91	2257772	82.634	ug/l	99
90) Hexachloroethane	15.00	117	696077	88.965	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	1155523	88.477	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	99656	98.443	ug/l	85

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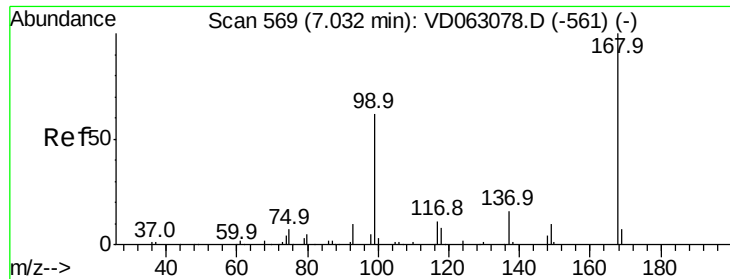
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	902961	88.092	ug/l	94
94) Hexachlorobutadiene	16.03	225	667430	86.105	ug/l	97
95) Naphthalene	16.12	128	1415659	99.735	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	732646	92.153	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 782355

Ion Ratio Lower Upper

168 100

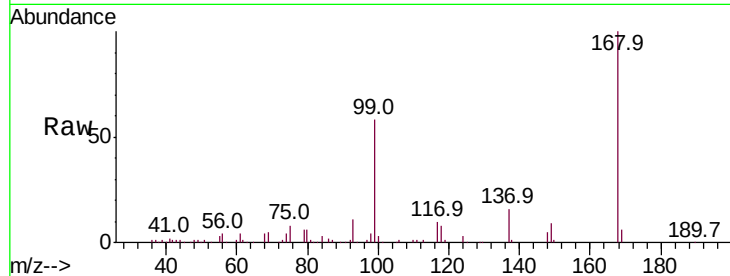
99 58.2 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

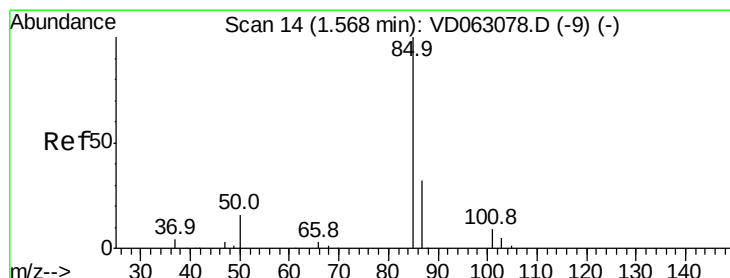
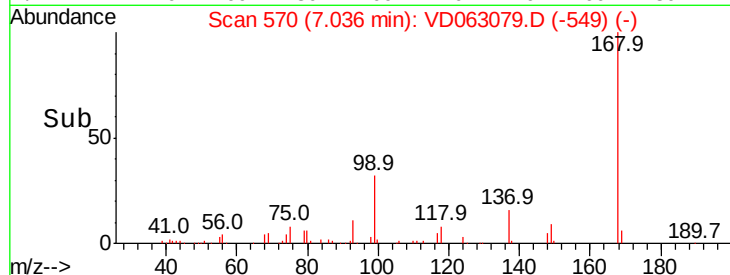
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 62.639 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063079.D

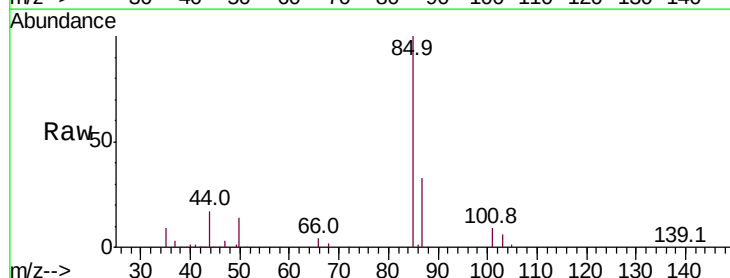
Acq: 15 Jul 2019 12:50

Tgt Ion: 85 Resp: 617118

Ion Ratio Lower Upper

85 100

87 33.1 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

250000

200000

150000

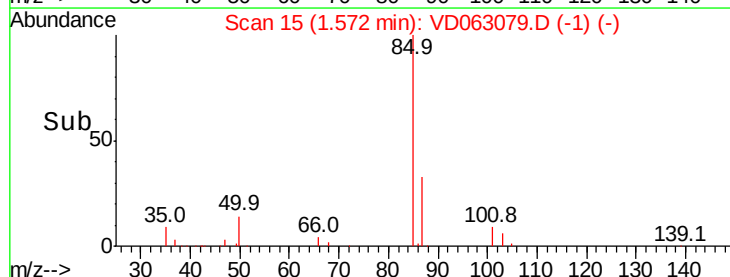
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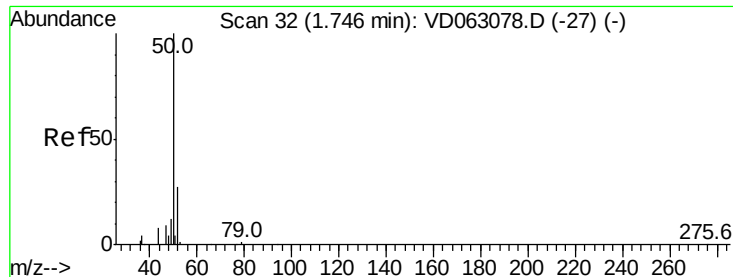
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 65.250 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 491279

Ion Ratio Lower Upper

50 100

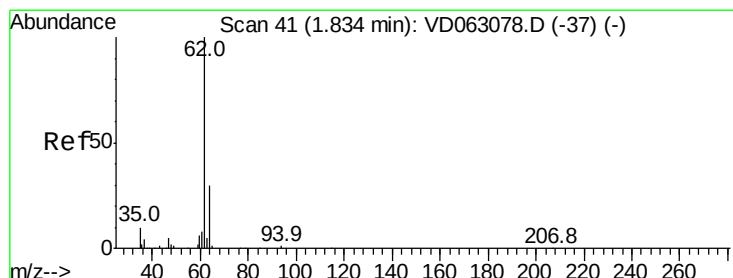
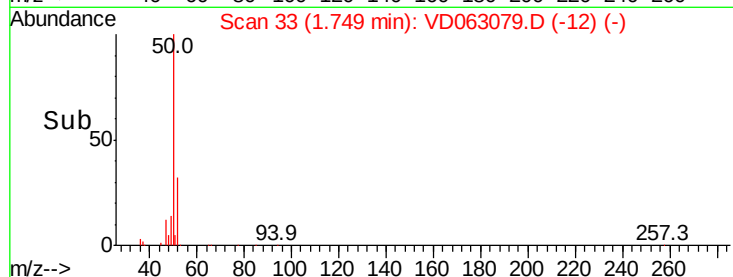
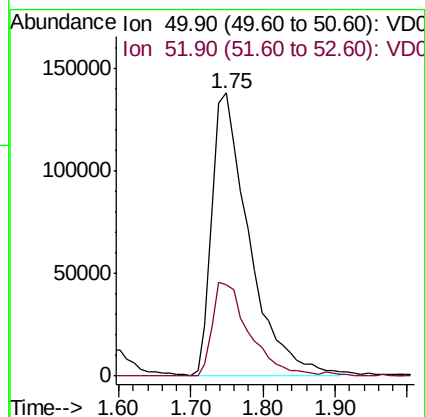
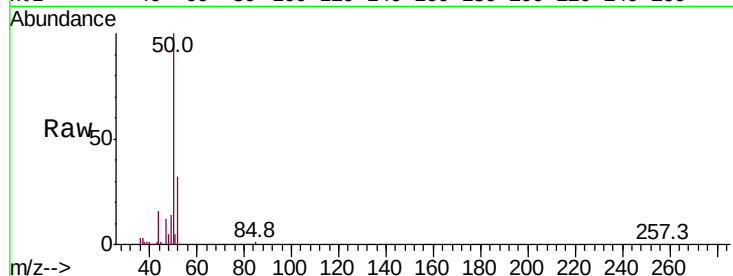
52 32.2 21.4 32.2

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#4

Vinyl Chloride

Concen: 72.918 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063079.D

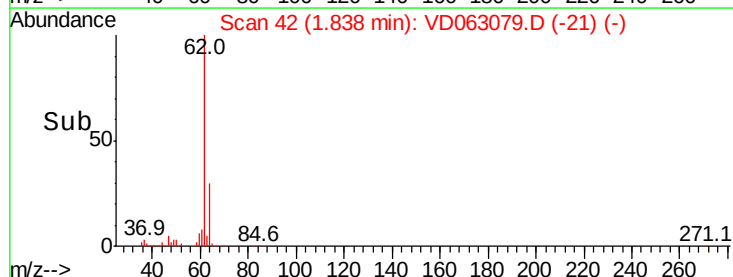
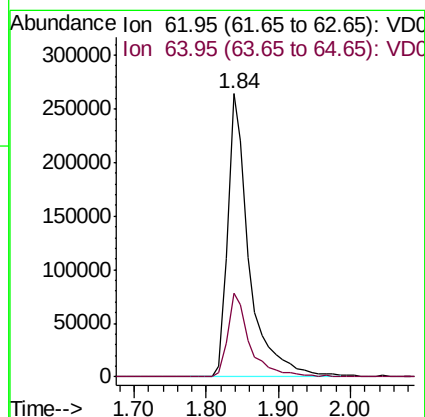
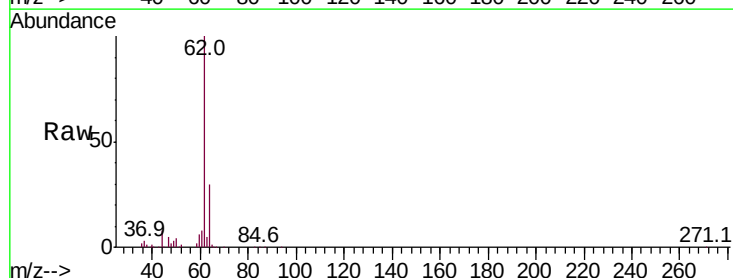
Acq: 15 Jul 2019 12:50

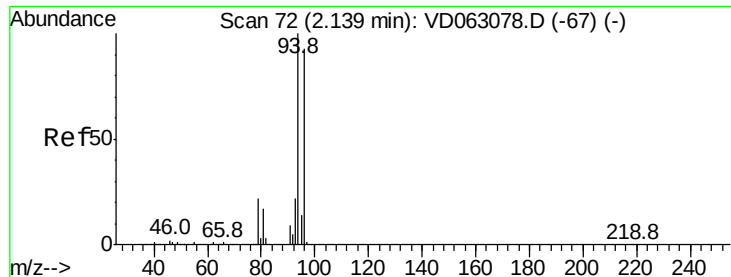
Tgt Ion: 62 Resp: 543414

Ion Ratio Lower Upper

62 100

64 29.6 24.4 36.6





#5

Bromomethane

Concen: 65.562 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 222740

Ion Ratio Lower Upper

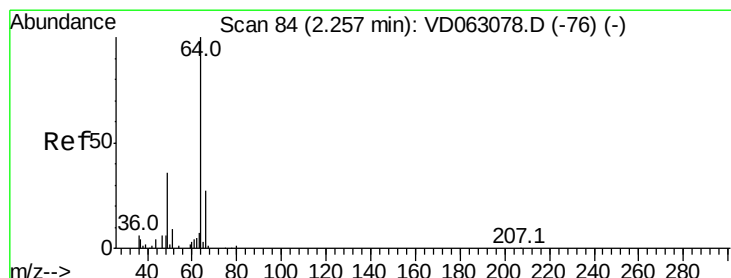
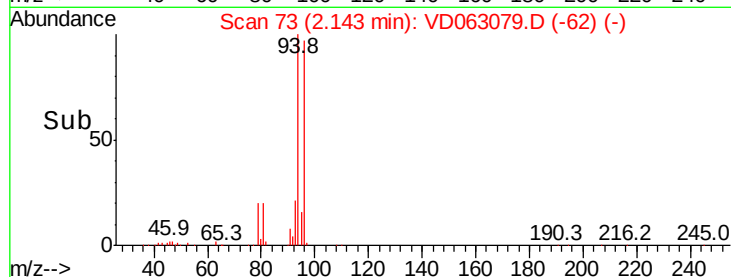
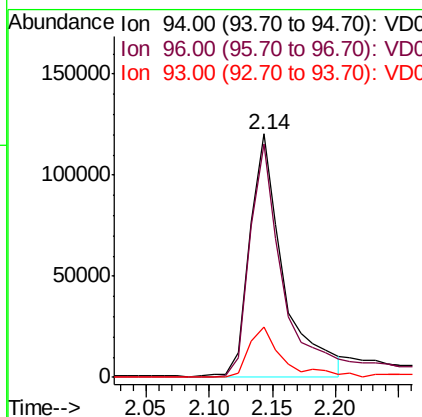
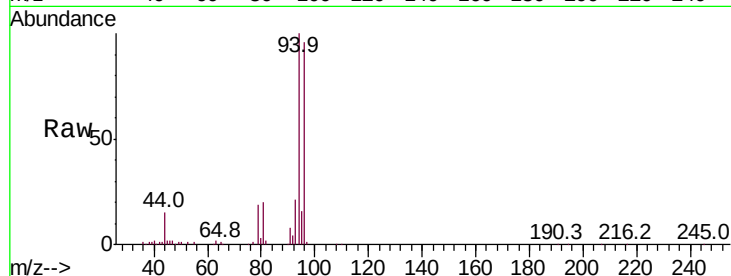
94 100

96 96.0 74.2 111.2

93 20.5 17.8 26.6

Manual Integrations
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#6

Chloroethane

Concen: 82.273 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063079.D

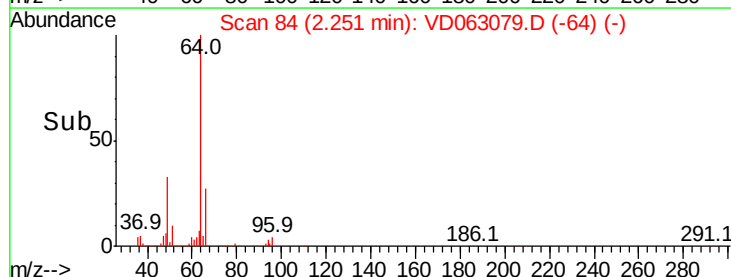
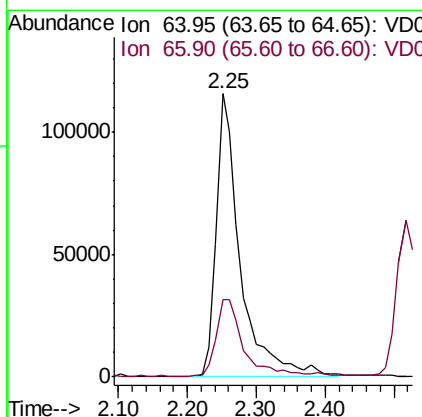
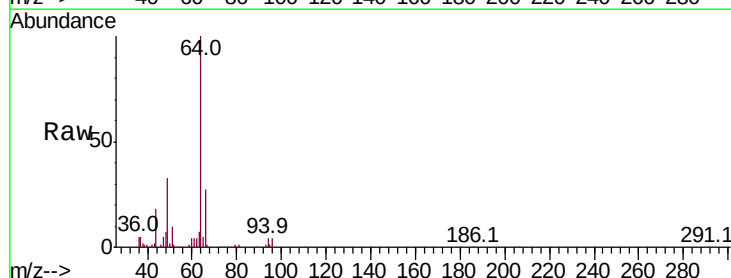
Acq: 15 Jul 2019 12:50

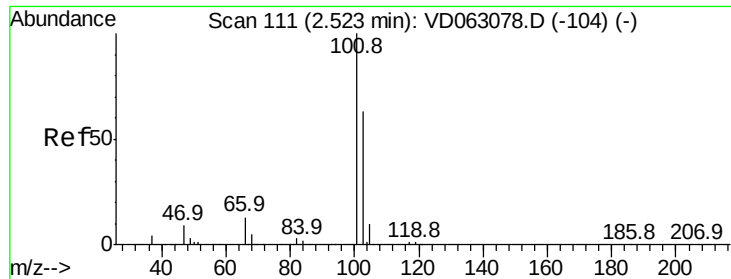
Tgt Ion: 64 Resp: 279772

Ion Ratio Lower Upper

64 100

66 27.4 22.5 33.7





#7

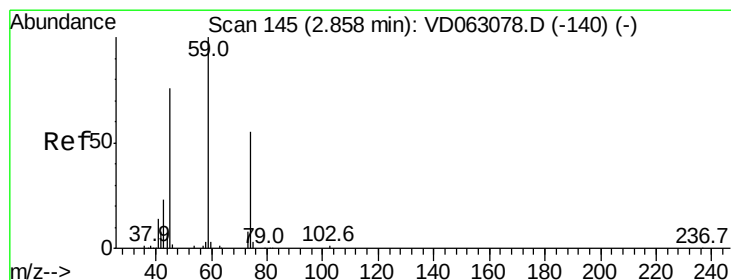
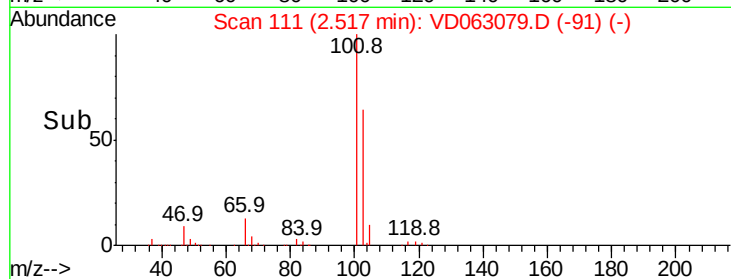
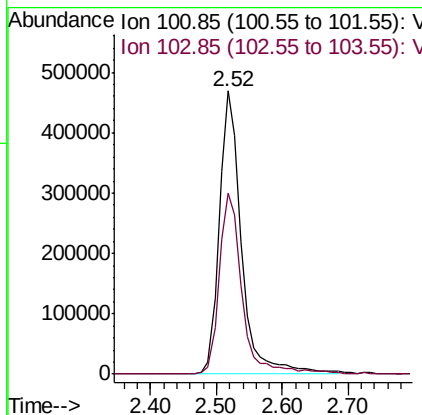
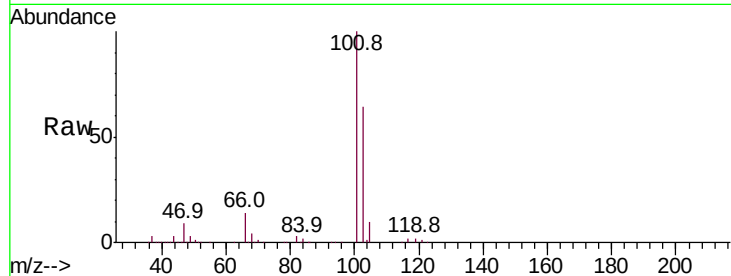
Trichlorofluoromethane
Concen: 71.635 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
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ClientSampleId :
VSTDIC075

Tot Ion:101 Resp: 1100091
Ion Ratio Lower Upper
101 100
103 63.7 50.6 76.0

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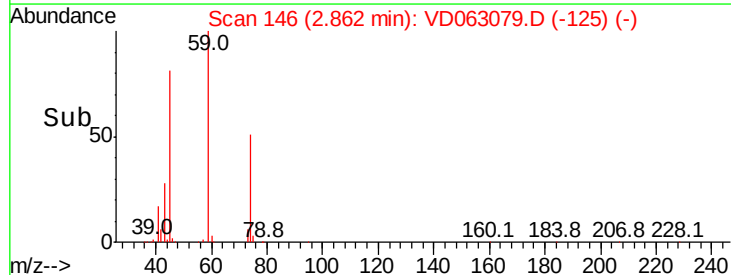
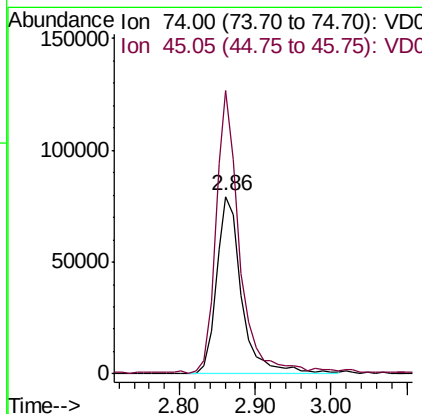
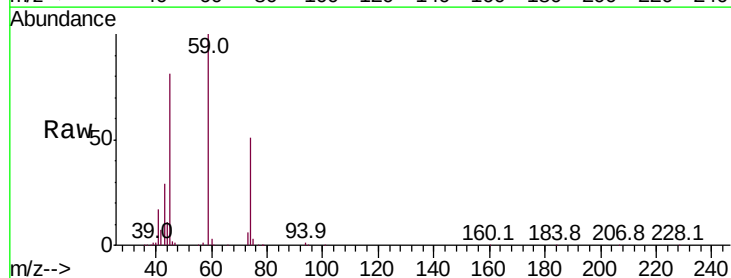
MMDadoda
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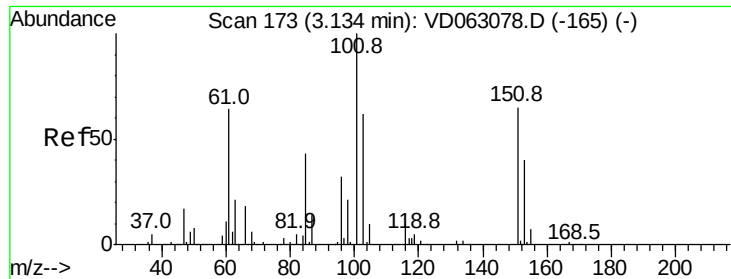


#8

Diethyl Ether
Concen: 94.867 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion: 74 Resp: 183916
Ion Ratio Lower Upper
74 100
45 159.7 69.5 208.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 78.935 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

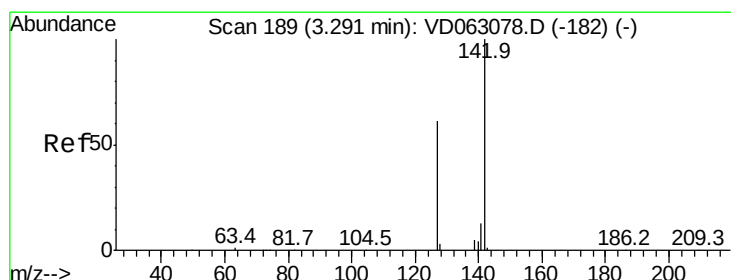
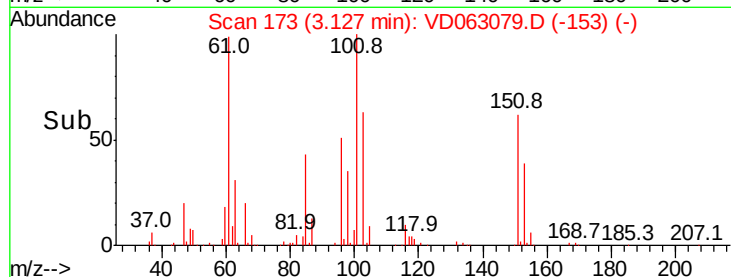
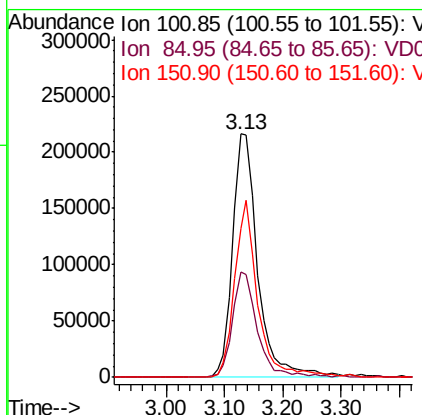
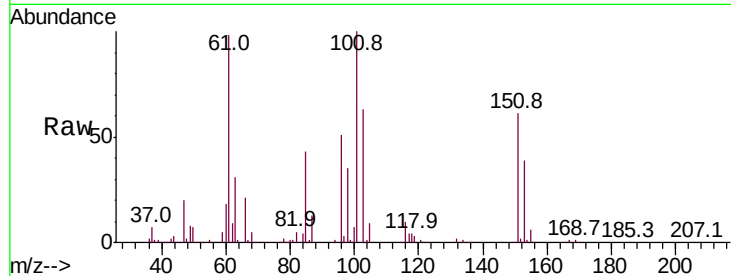
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	651411
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.6	51.8
151	61.4	52.4	78.6

Manual Integrations
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7/16/2019 9:15:06 AM



#10

Methyl Iodide

Concen: 80.878 ug/l

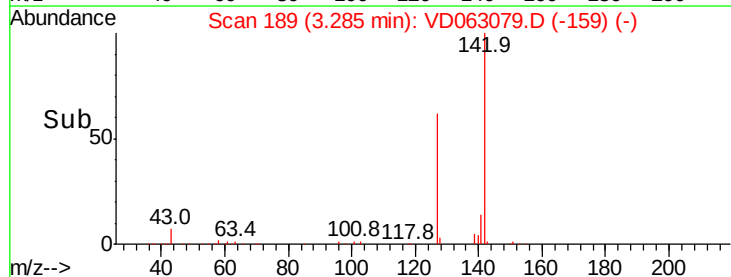
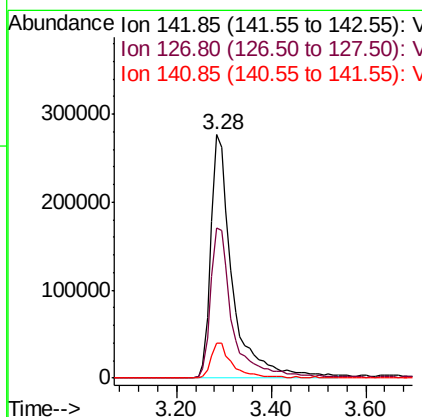
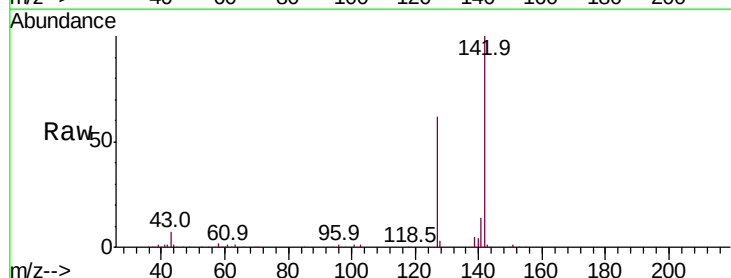
RT: 3.28 min Scan# 189

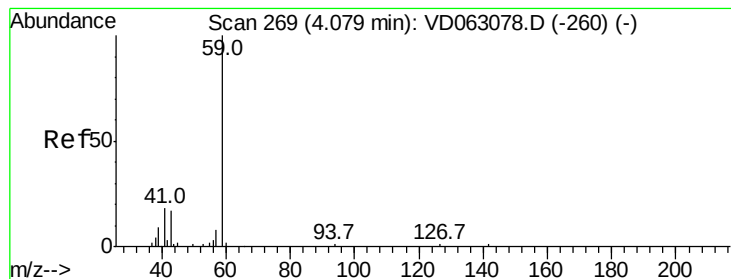
Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	142	Resp:	879045
Ion Ratio	Lower	Upper	
142	100		
127	61.6	48.6	73.0
141	14.3	10.6	16.0





#11

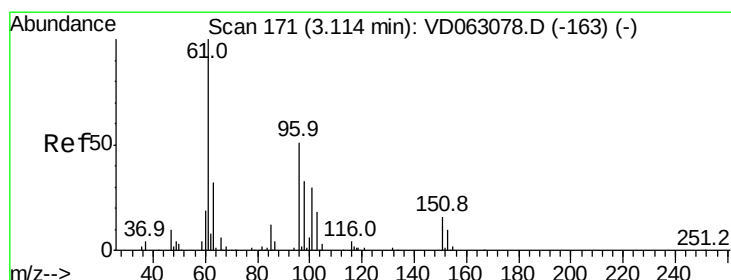
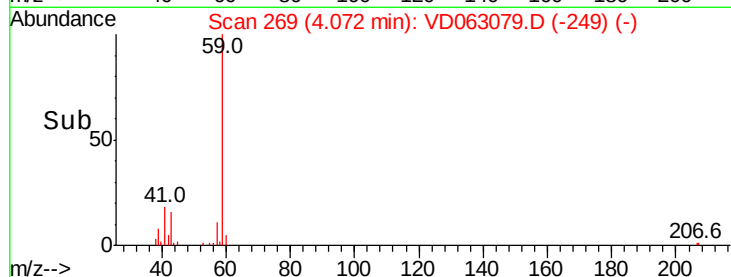
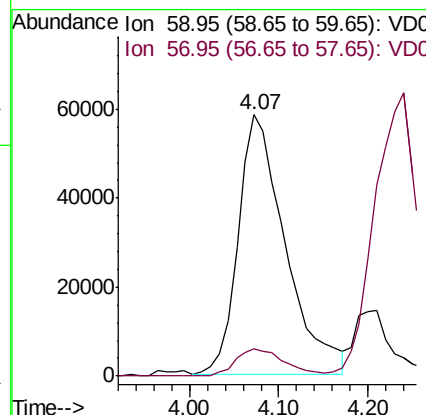
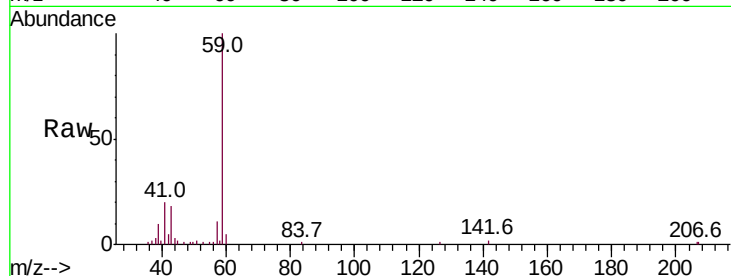
Tert butyl alcohol
 Concen: 511.202 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.01 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	6.4	9.6#

Manual Integrations
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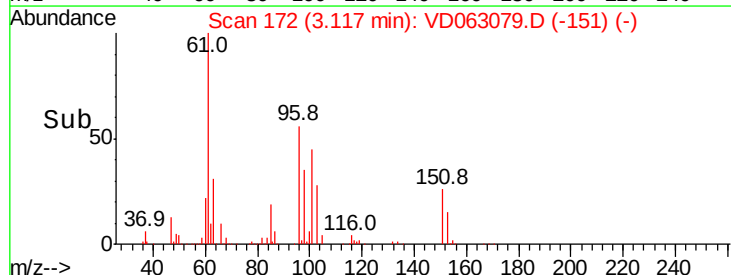
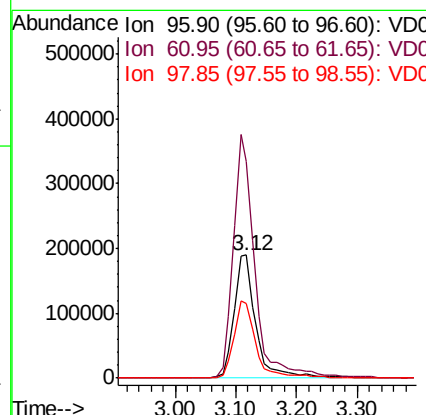
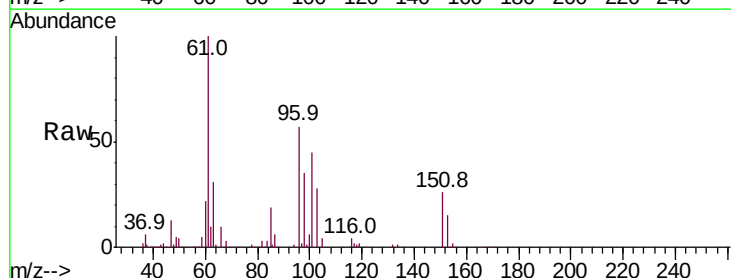
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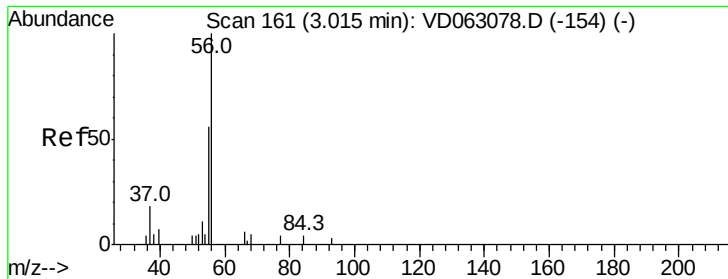


#12

1,1-Dichloroethene
 Concen: 77.615 ug/l
 RT: 3.12 min Scan# 172
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.7	155.5	233.3
98	61.0	51.5	77.3





#13

Acrolein

Concen: 102.554 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 35891

Ion Ratio Lower Upper

56 100

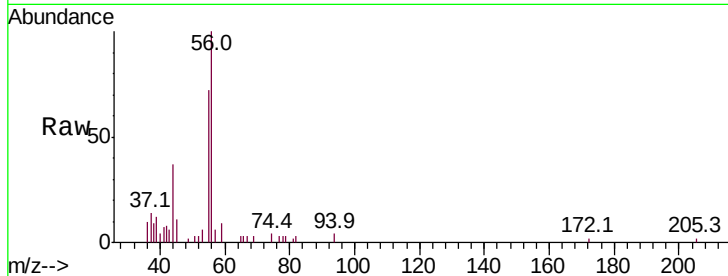
55 72.5 53.0 79.4

Manual Integrations

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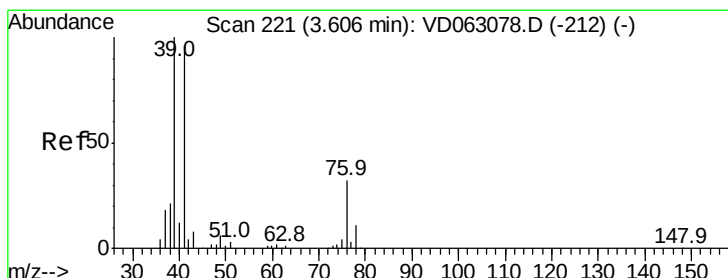
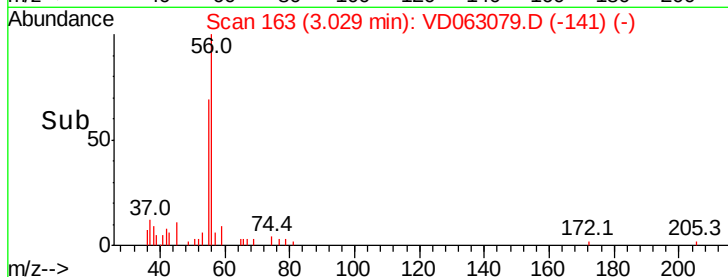
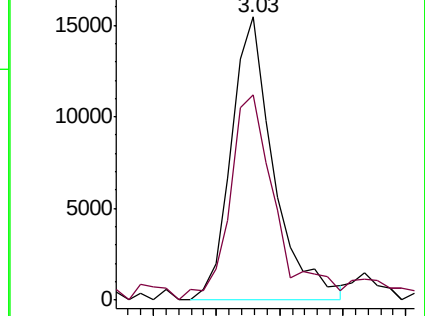
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 84.344 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

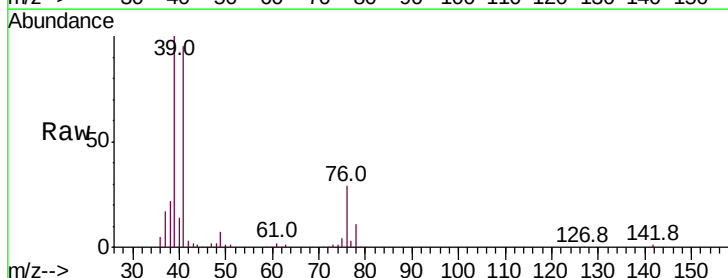
Tgt Ion: 41 Resp: 782806

Ion Ratio Lower Upper

41 100

39 105.2 83.5 125.3

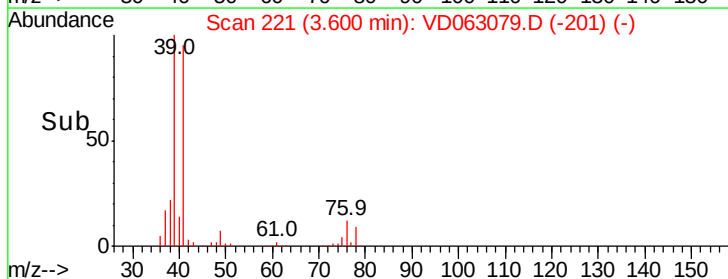
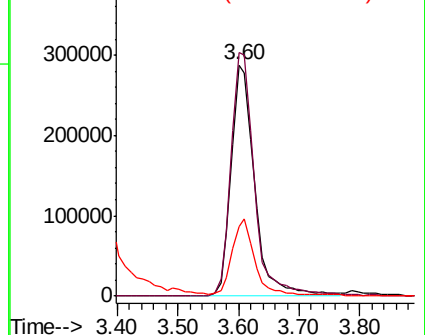
76 30.1 27.8 41.8

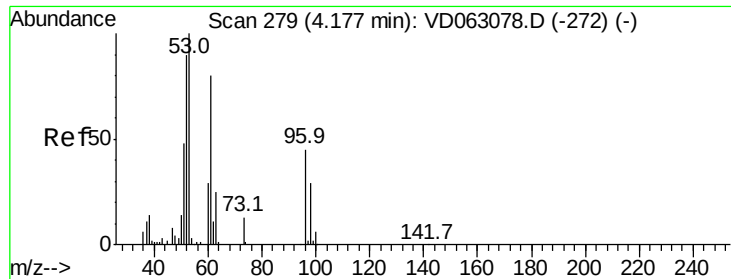


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 530.441 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

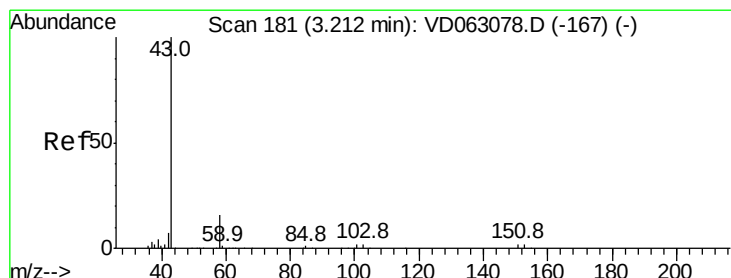
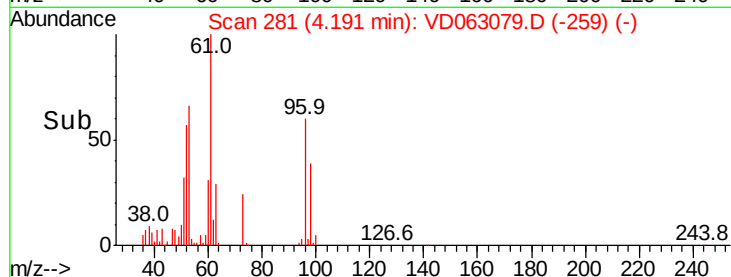
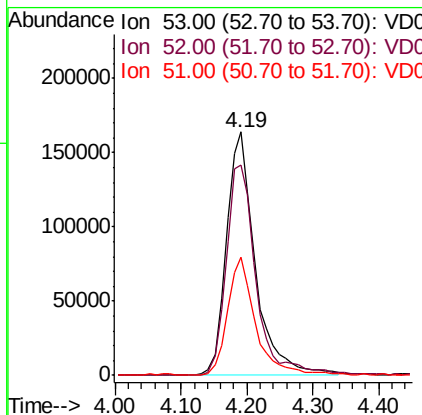
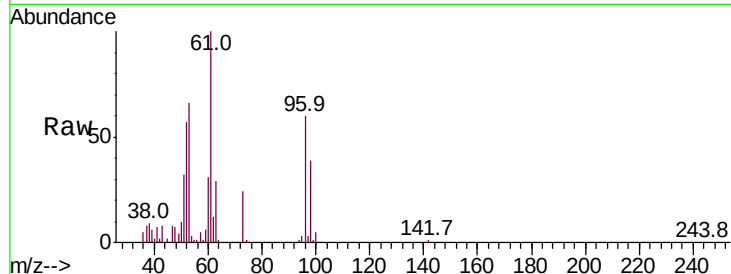
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	502944
Ion	Ratio	Lower	Upper
53	100		
52	86.2	72.3	108.5
51	48.7	38.0	57.0

Manual Integrations
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#16

Acetone

Concen: 493.309 ug/l

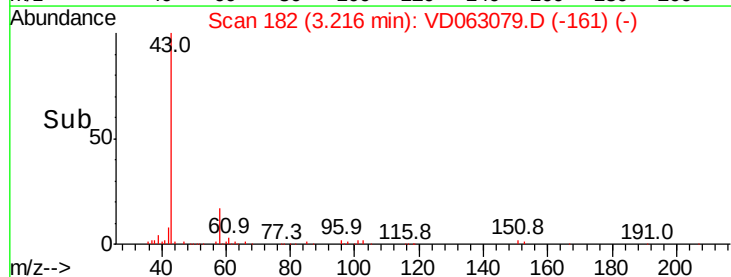
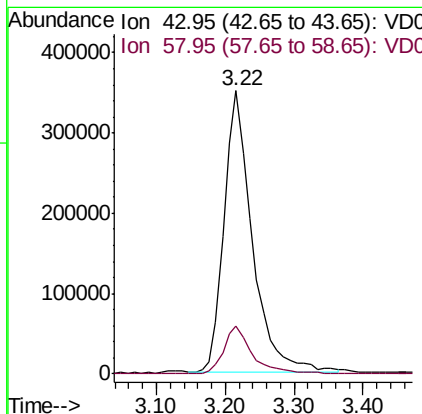
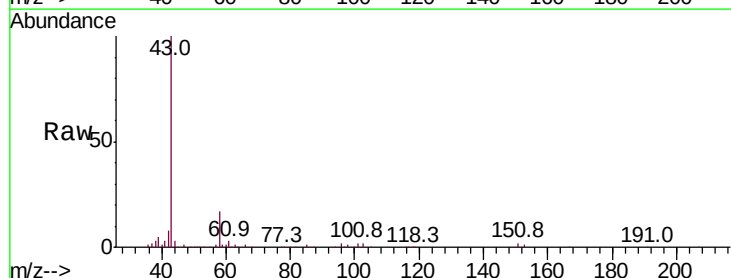
RT: 3.22 min Scan# 182

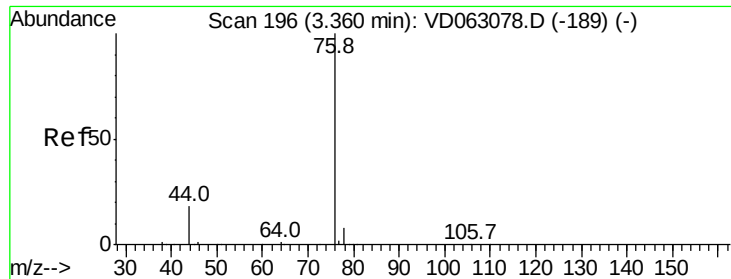
Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	43	Resp:	1000189
Ion	Ratio	Lower	Upper
43	100		
58	16.8	13.0	19.4





#17

Carbon Disulfide

Concen: 66.698 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 1286431

Ion Ratio Lower Upper

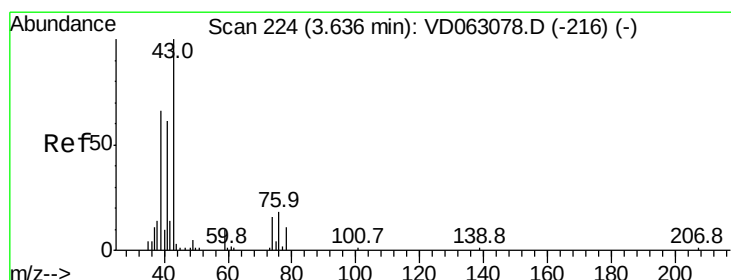
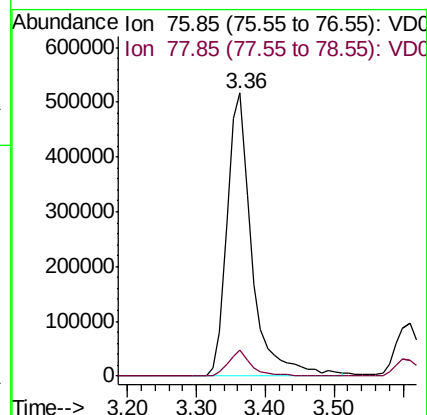
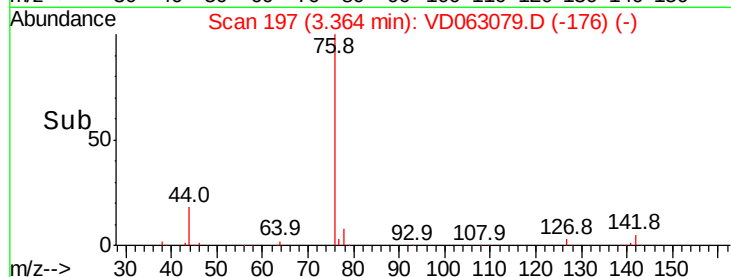
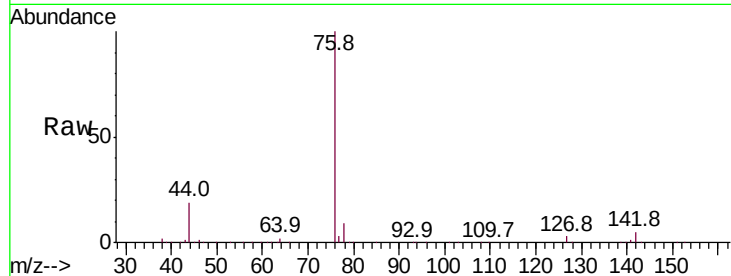
76 100

78 9.0 6.7 10.1

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#18

Methyl Acetate

Concen: 91.036 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD063079.D

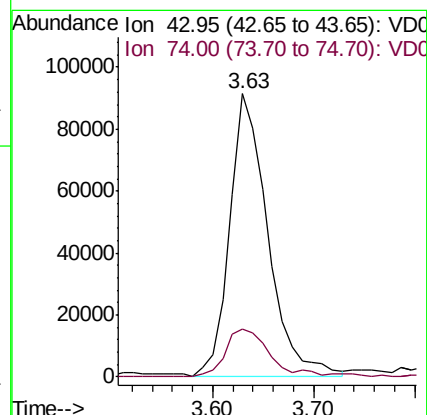
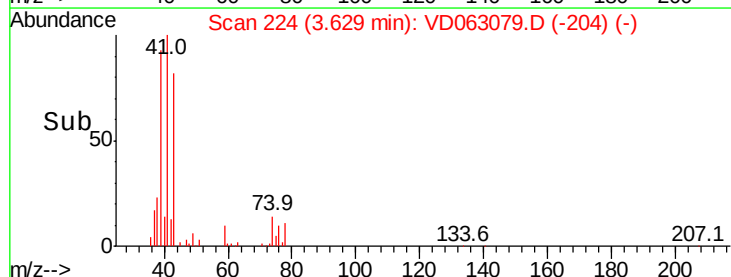
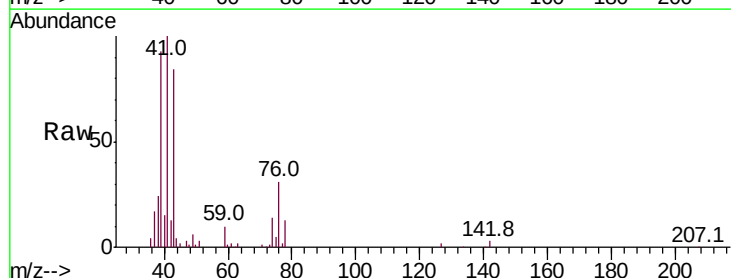
Acq: 15 Jul 2019 12:50

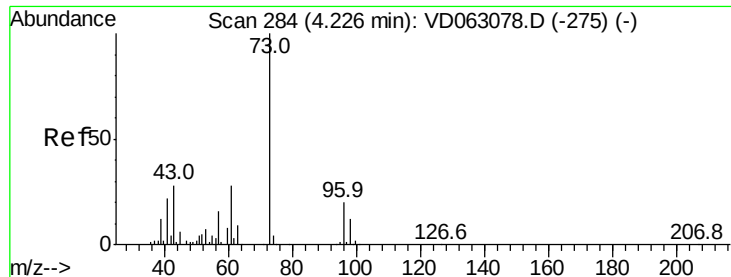
Tgt Ion: 43 Resp: 240851

Ion Ratio Lower Upper

43 100

74 16.7 12.5 18.7





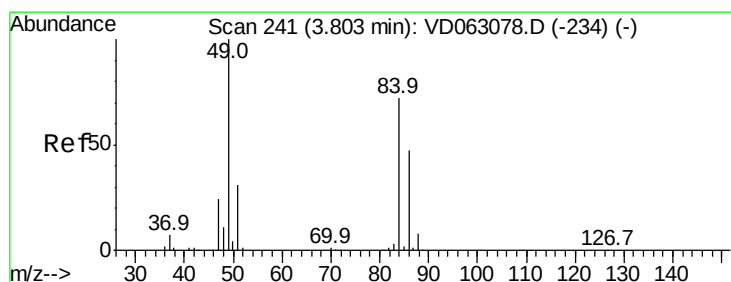
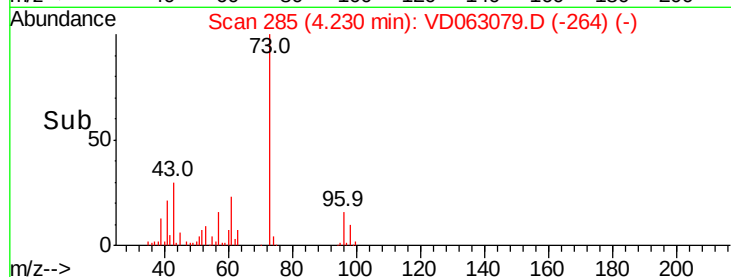
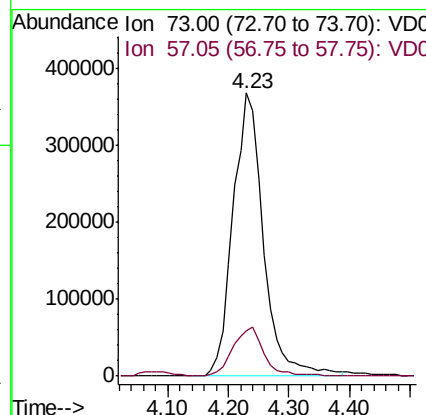
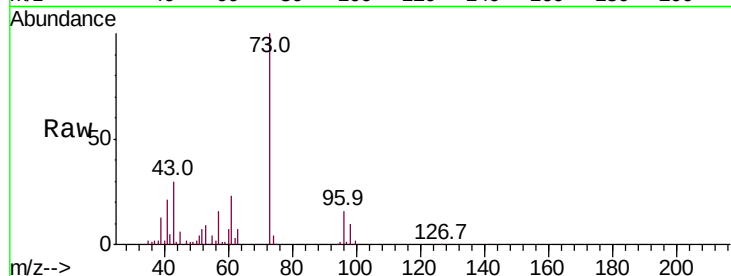
#19
Methyl tert-butyl Ether
Concen: 93.251 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 73 Resp: 1284639
Ion Ratio Lower Upper
73 100
57 16.1 13.1 19.7

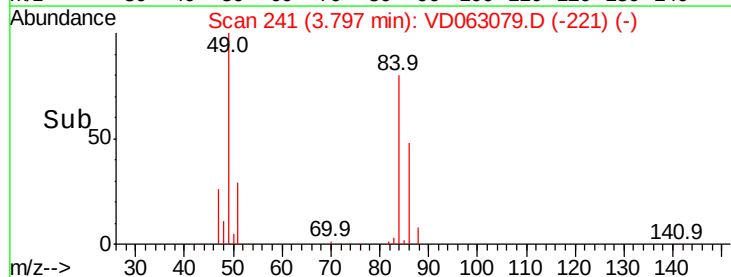
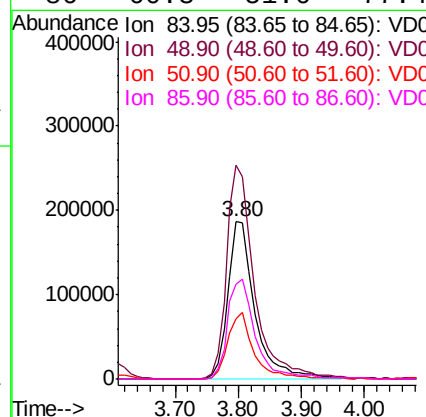
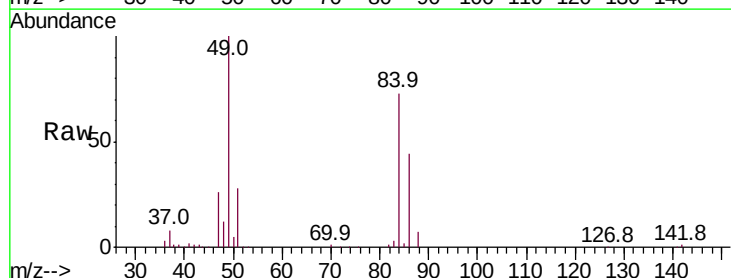
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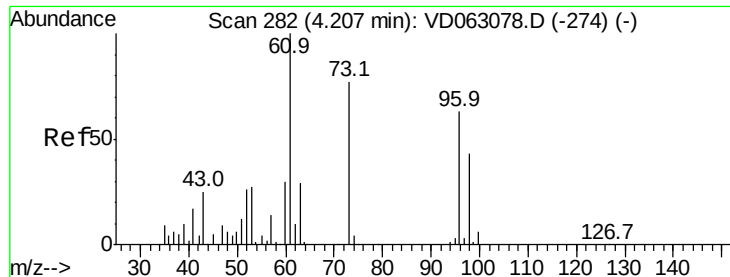
MMDadoda
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#20
Methylene Chloride
Concen: 82.517 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion: 84 Resp: 555804
Ion Ratio Lower Upper
84 100
49 136.1 110.5 165.7
51 38.7 34.6 51.8
86 60.3 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 81.387 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 96 Resp: 536204

Ion Ratio Lower Upper

96 100

61 163.1 128.0 192.0

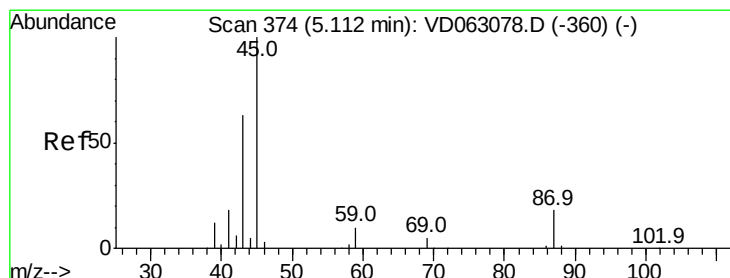
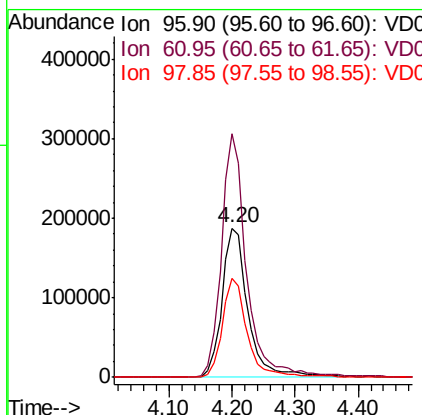
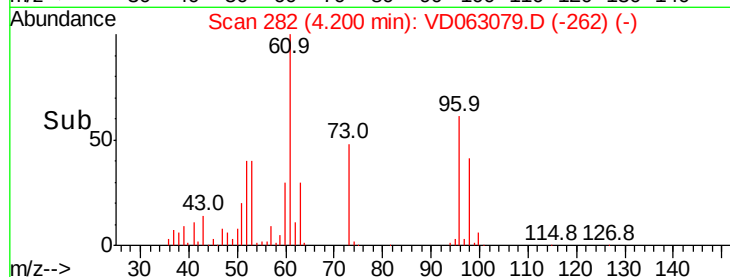
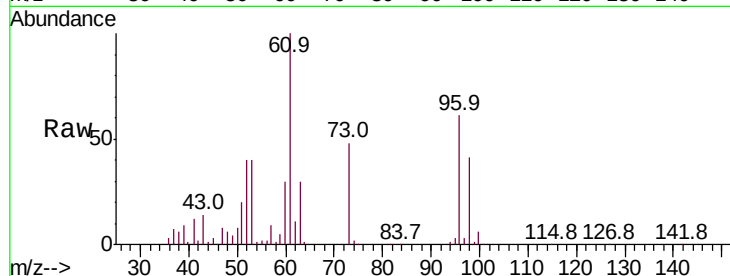
98 66.7 55.2 82.8

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#22

Diisopropyl ether

Concen: 89.094 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion: 45 Resp: 1715844

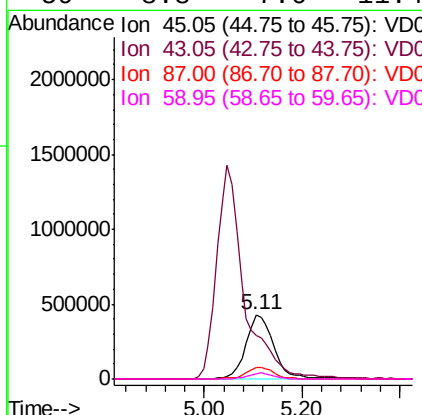
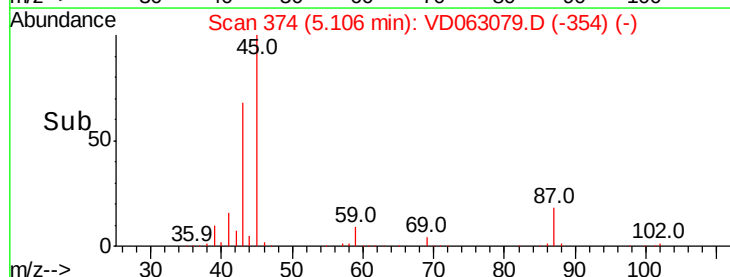
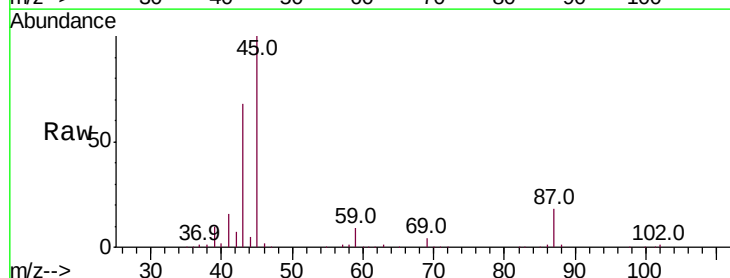
Ion Ratio Lower Upper

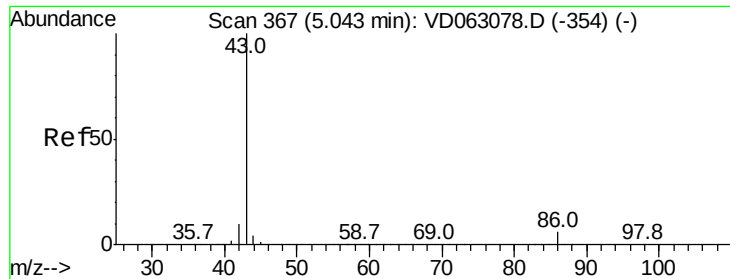
45 100

43 67.7 50.5 75.7

87 18.1 15.1 22.7

59 8.8 7.6 11.4





#23

Vinyl Acetate

Concen: 462.700 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 5551311

Ion Ratio Lower Upper

43 100

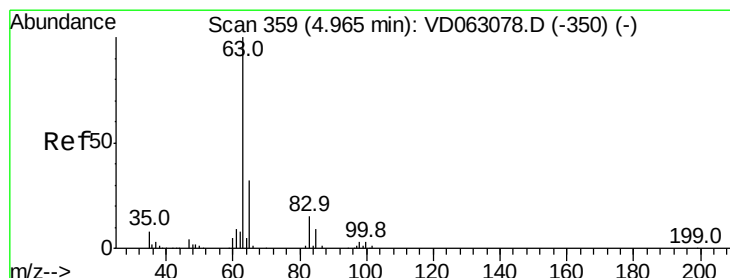
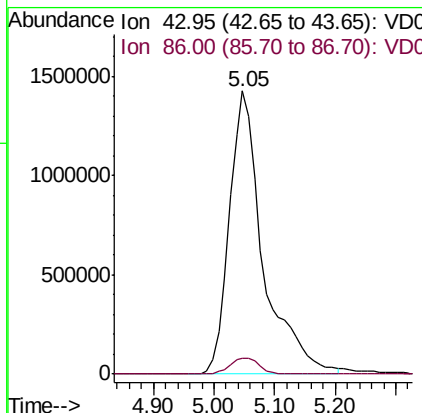
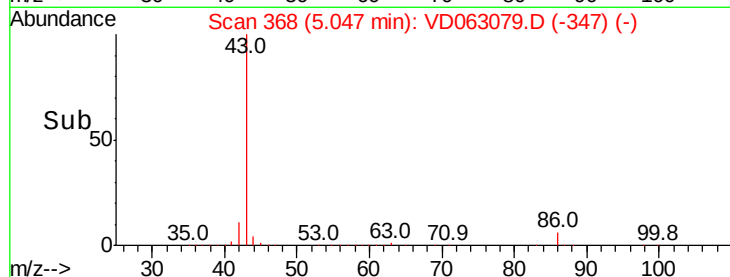
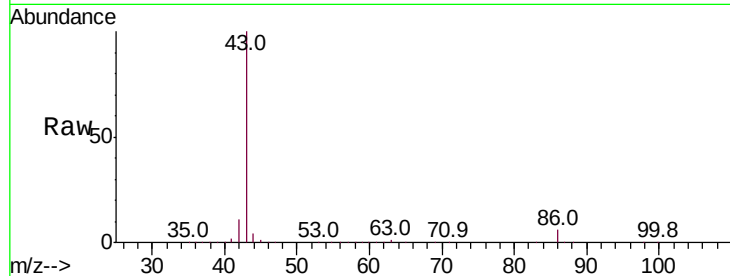
86 5.8 5.0 7.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 84.860 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

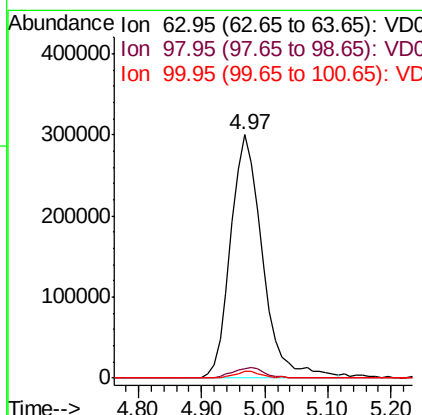
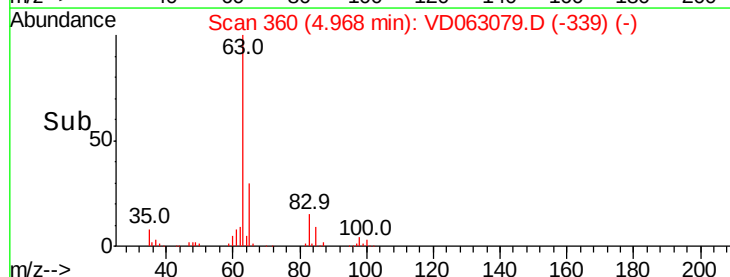
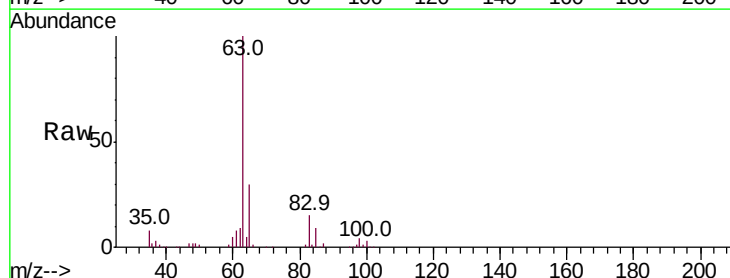
Tgt Ion: 63 Resp: 1049029

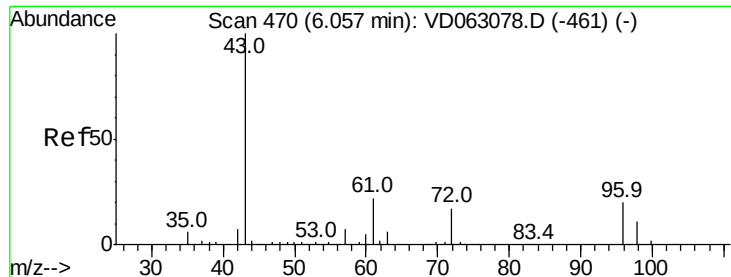
Ion Ratio Lower Upper

63 100

98 4.1 1.7 5.1

100 2.8 1.5 4.5





#25

2-Butanone

Concen: 559.008 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 942138

Ion Ratio Lower Upper

43 100

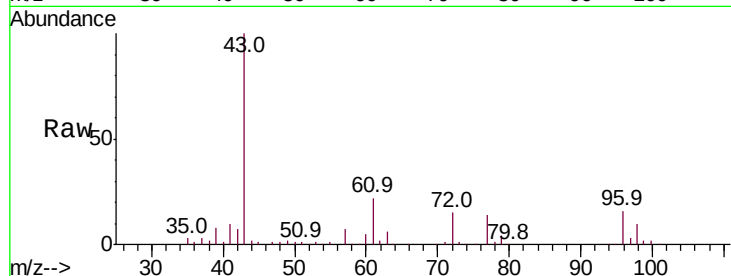
72 14.8 13.4 20.0

Manual Integrations

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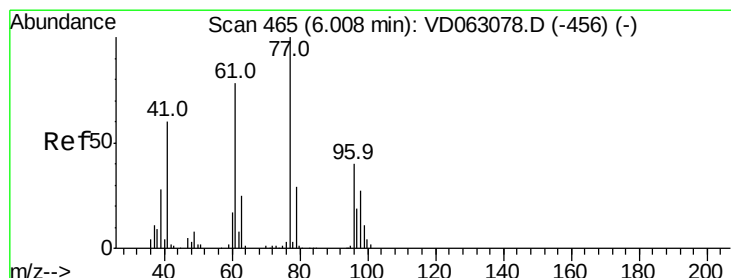
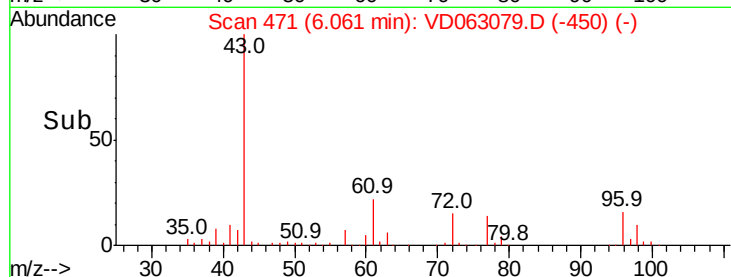
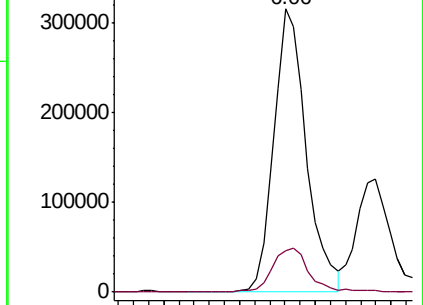
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 84.634 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD063079.D

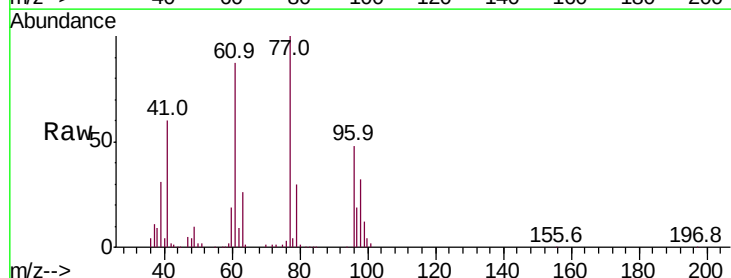
Acq: 15 Jul 2019 12:50

Tgt Ion: 77 Resp: 1113365

Ion Ratio Lower Upper

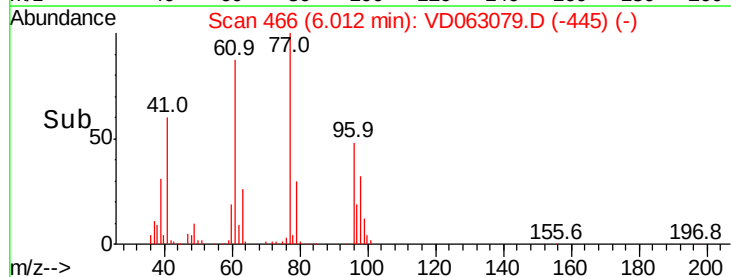
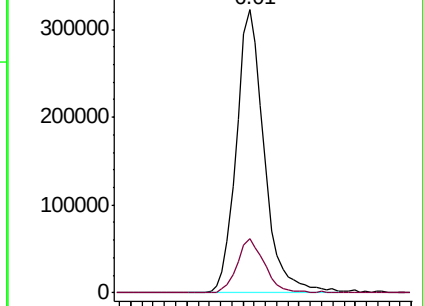
77 100

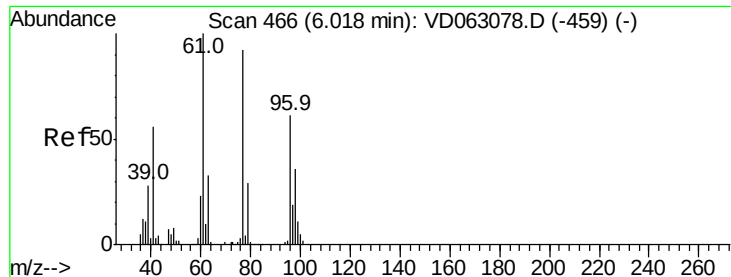
97 19.1 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

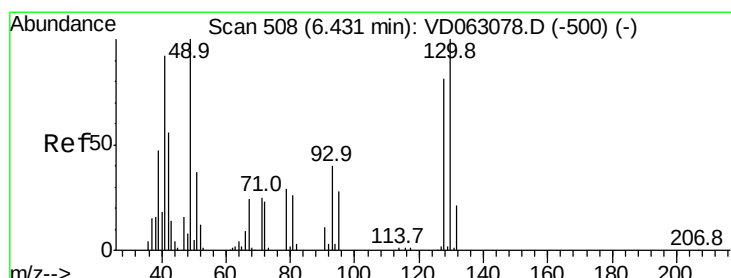
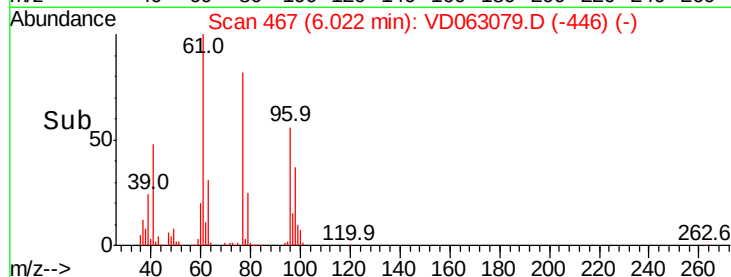
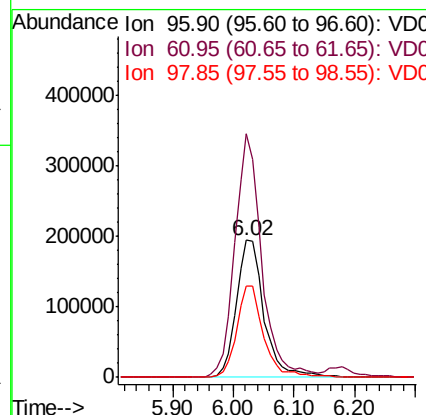
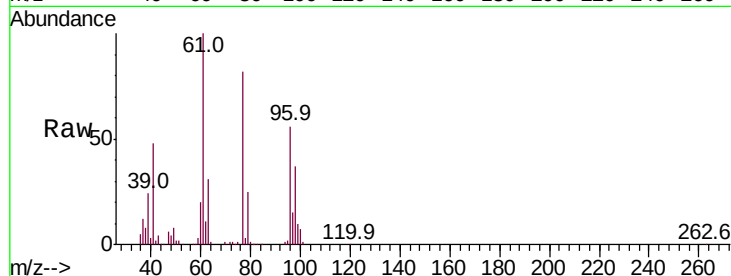
cis-1,2-Dichloroethene
Concen: 86.272 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	617057		
61	178.0	0.0	329.6	
98	66.4	0.0	118.4	

Manual Integrations
APPROVED

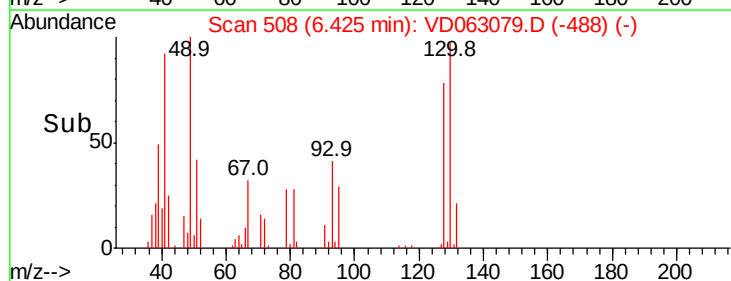
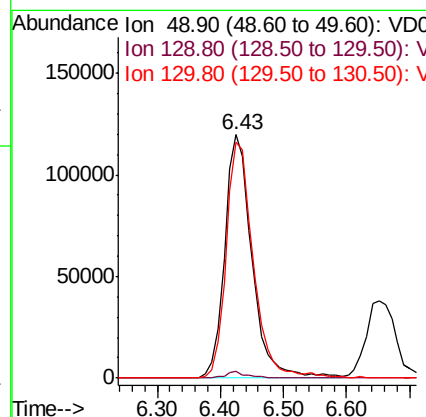
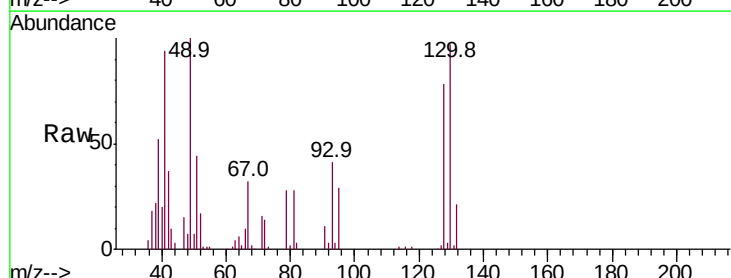
MMDadoda
7/16/2019 9:15:06 AM

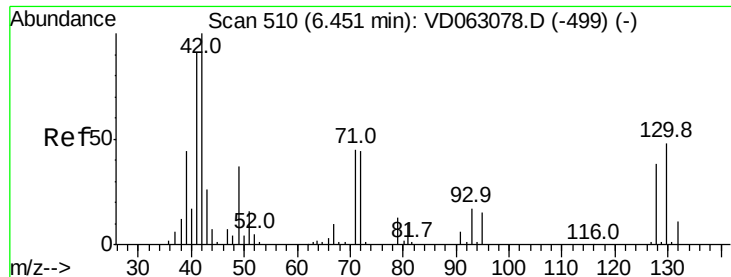


#28

Bromochloromethane
Concen: 81.360 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	359396		
129	2.6	0.0	3.6	
130	96.8	80.3	120.5	





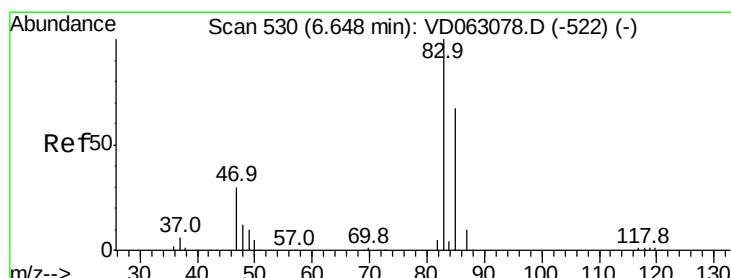
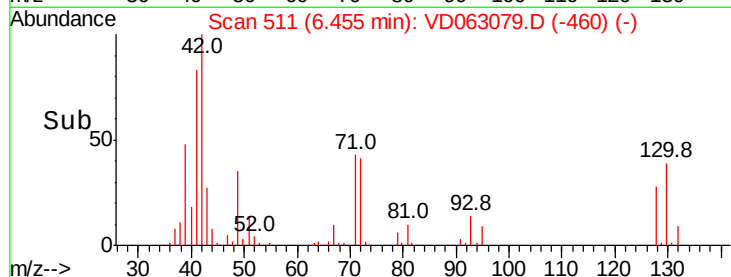
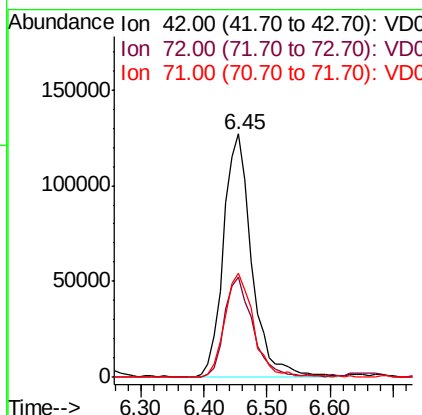
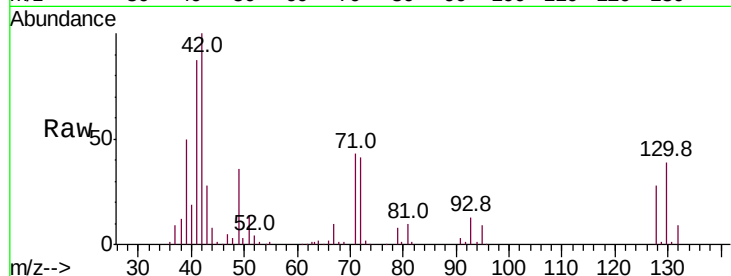
#29
Tetrahydrofuran
Concen: 499.324 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	43.6	34.2	51.2

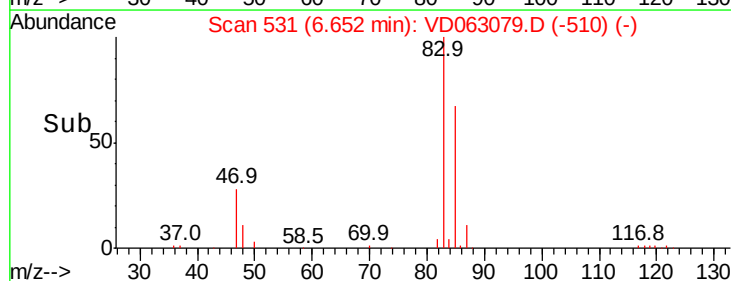
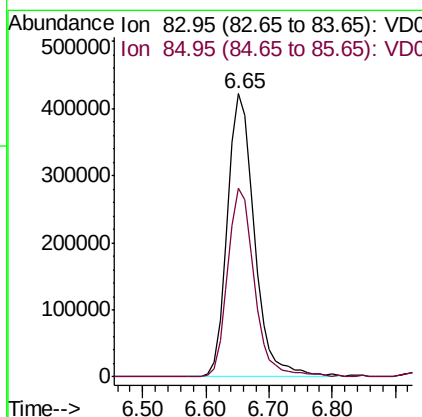
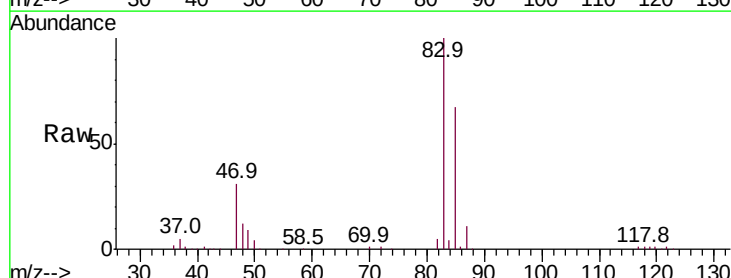
Manual Integrations
APPROVED

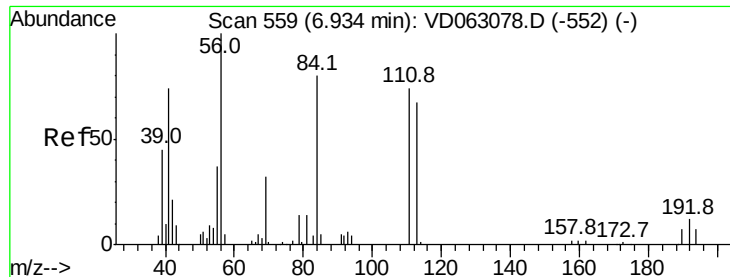
MMDadoda
7/16/2019 9:15:06 AM



#30
Chloroform
Concen: 83.484 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.8	80.8





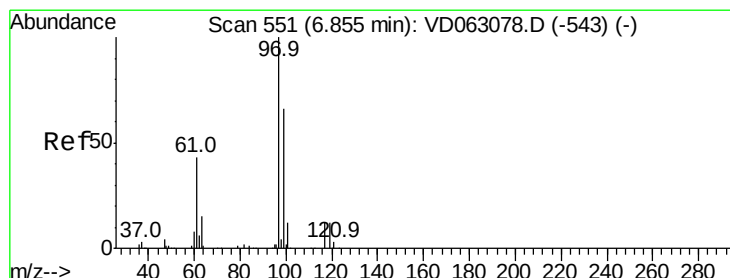
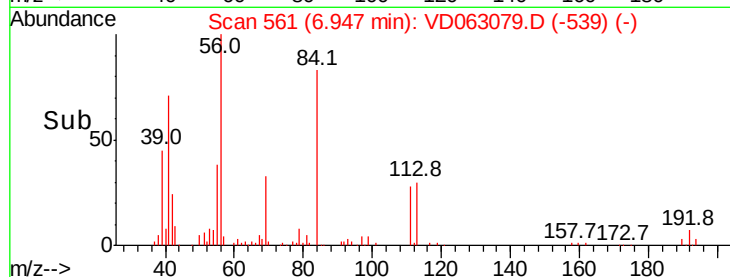
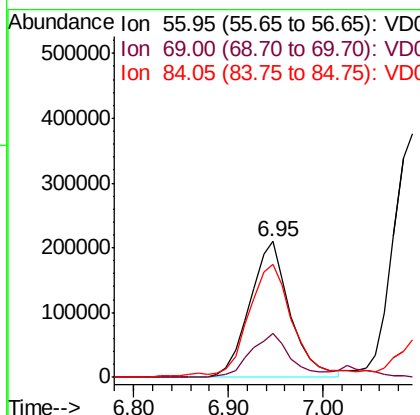
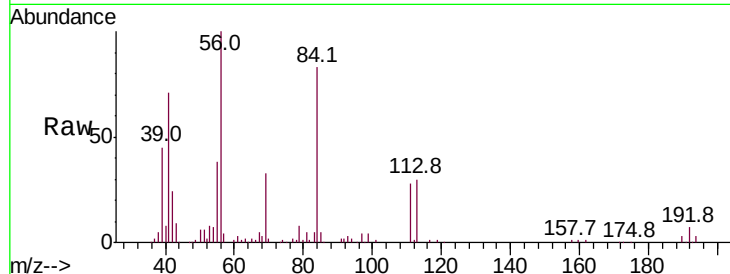
#31
Cyclohexane
Concen: 77.782 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	25.3	37.9
84	83.0	64.2	96.4

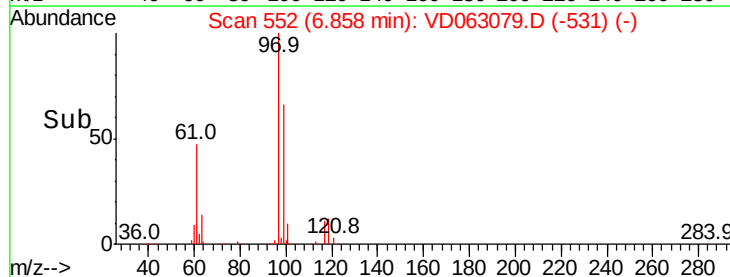
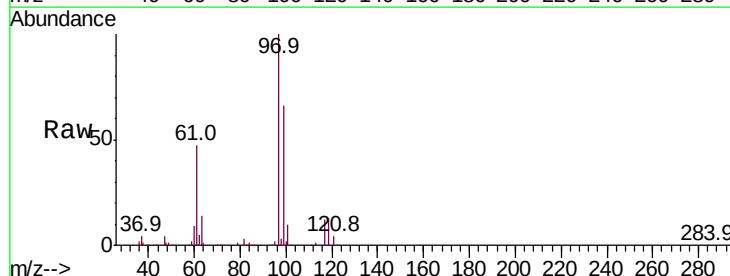
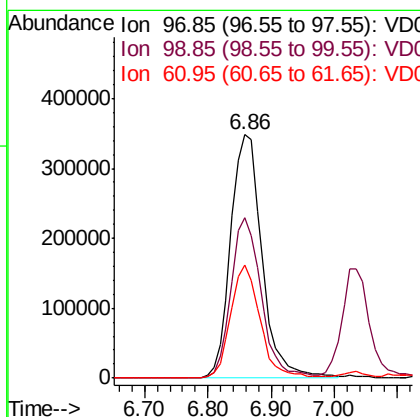
Manual Integrations
APPROVED

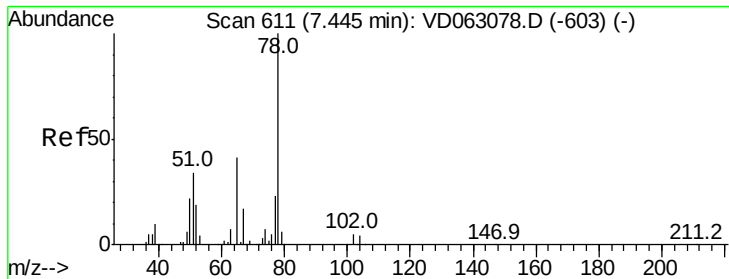
MMDadoda
7/16/2019 9:15:06 AM



#32
1,1,1-Trichloroethane
Concen: 77.311 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.9	79.3
61	46.7	34.4	51.6





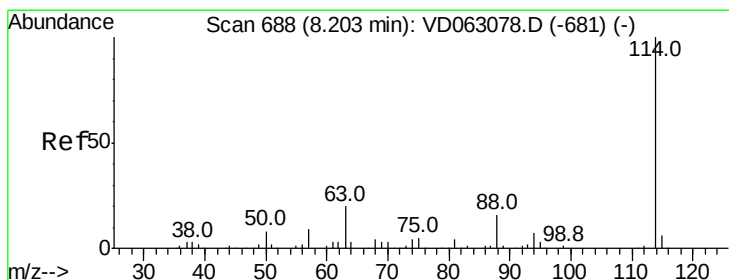
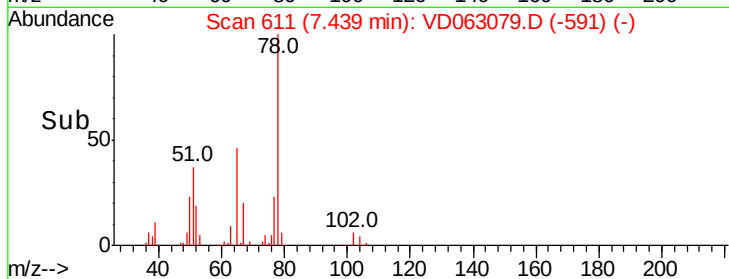
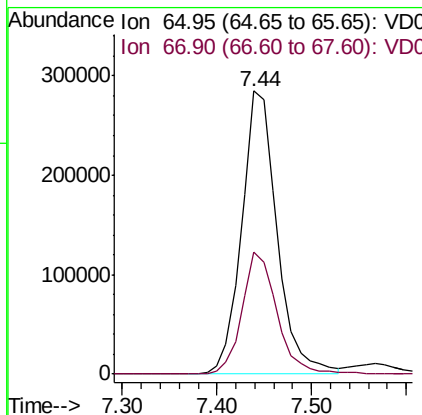
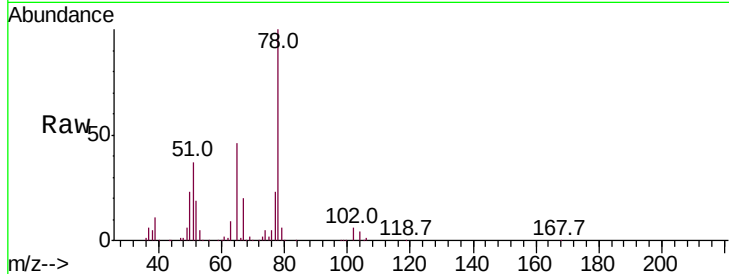
#33
 1,2-Dichloroethane-d4
 Concen: 84.555 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 65 Resp: 739279
 Ion Ratio Lower Upper
 65 100
 67 43.0 0.0 86.0

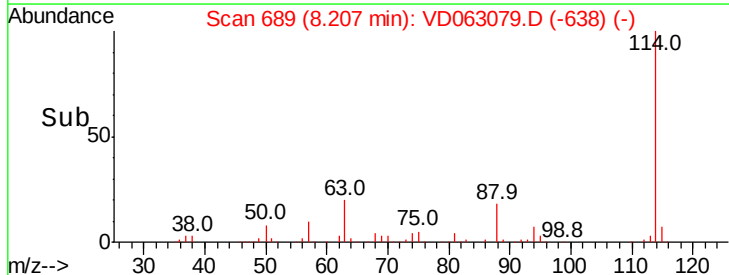
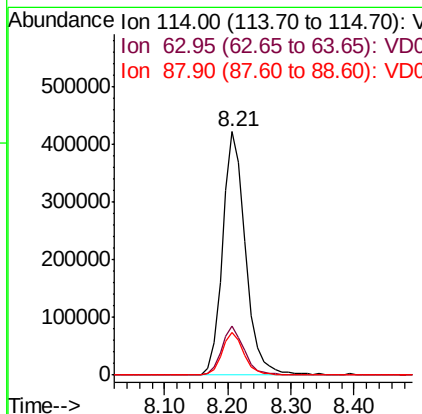
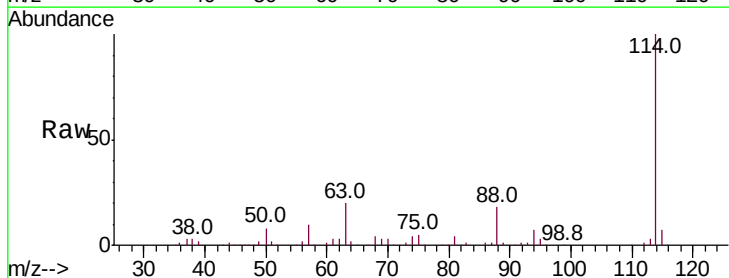
Manual Integrations
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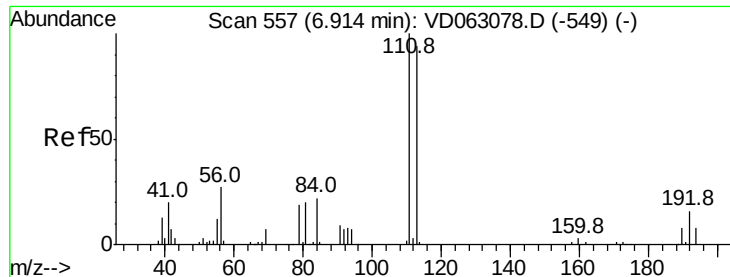
MMDadoda
 7/16/2019 9:15:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion: 114 Resp: 1061280
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 17.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 84.528 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

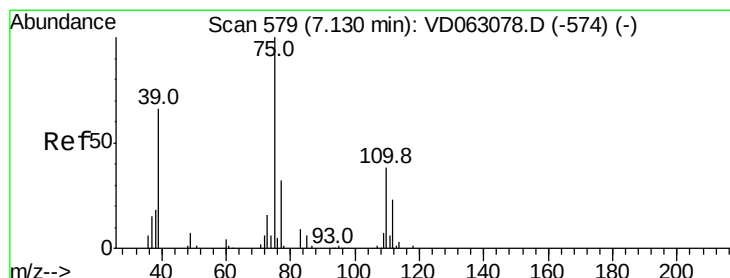
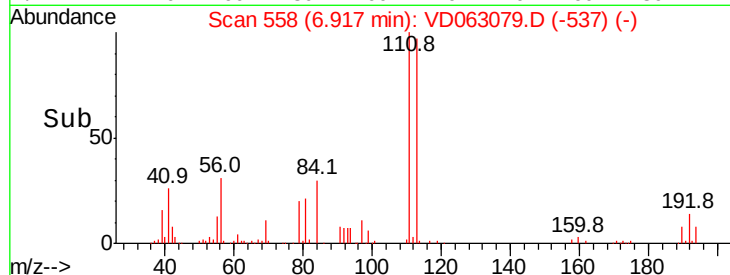
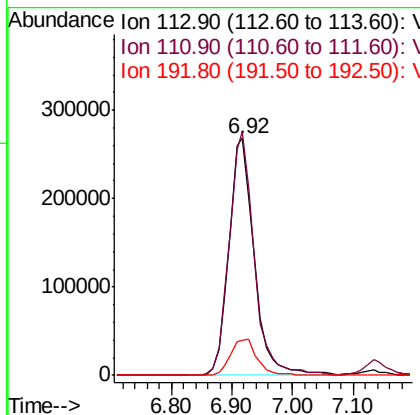
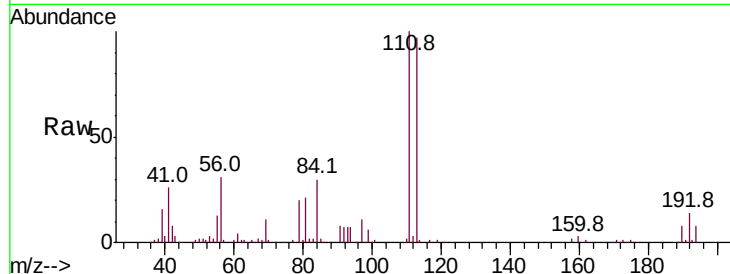
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	778262
Ion Ratio	Lower	Upper	
113	100		
111	102.7	84.8	127.2
192	14.6	13.4	20.0

Manual Integrations
APPROVED

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7/16/2019 9:15:06 AM



#36

1,1-Dichloropropene

Concen: 82.278 ug/l

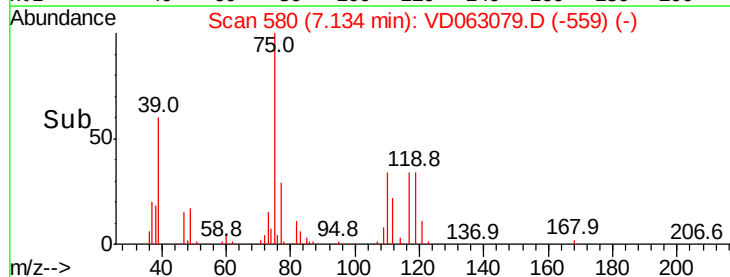
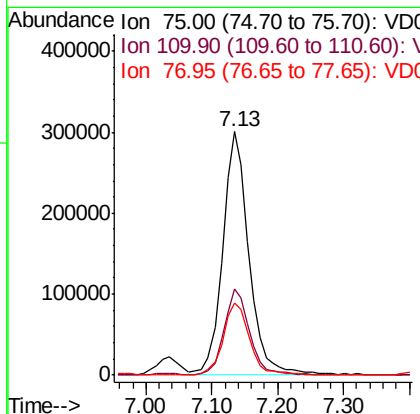
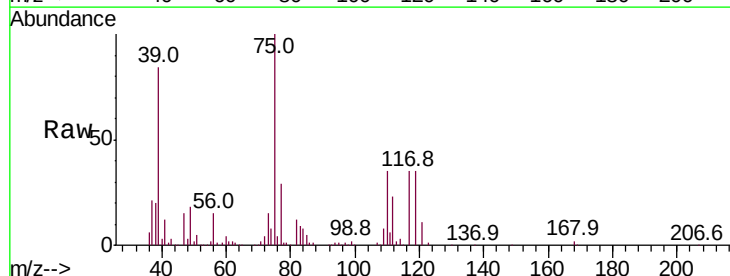
RT: 7.13 min Scan# 580

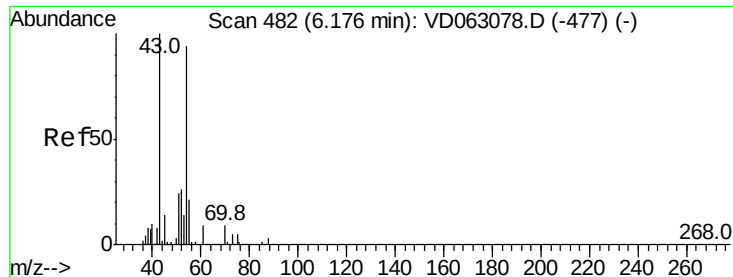
Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	75	Resp:	827580
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.9	56.5
77	29.5	25.2	37.8





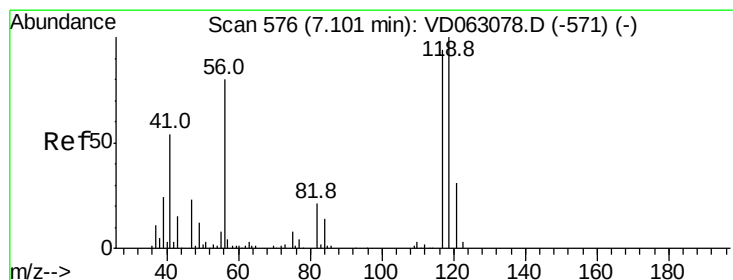
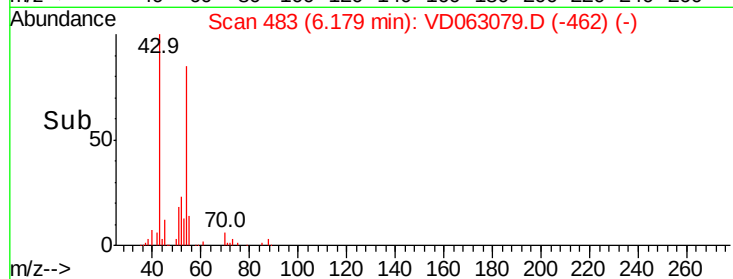
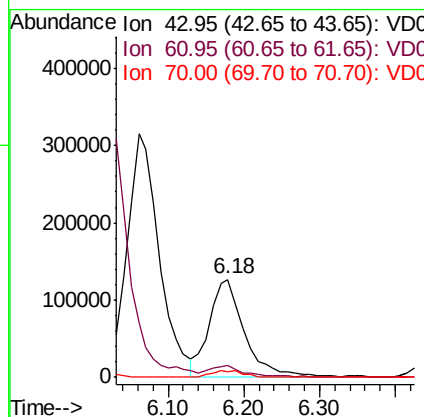
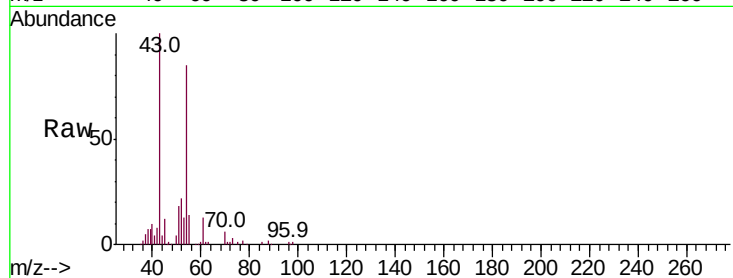
#37
Ethyl Acetate
Concen: 84.806 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	16.0
70	6.2	6.6	9.8#

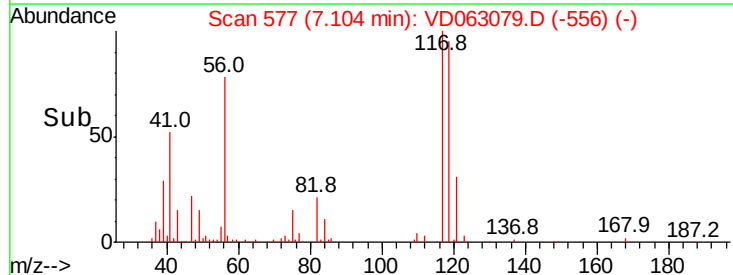
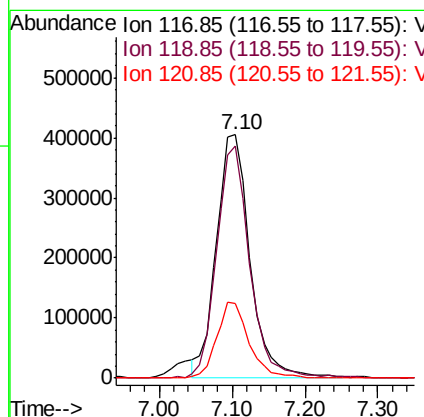
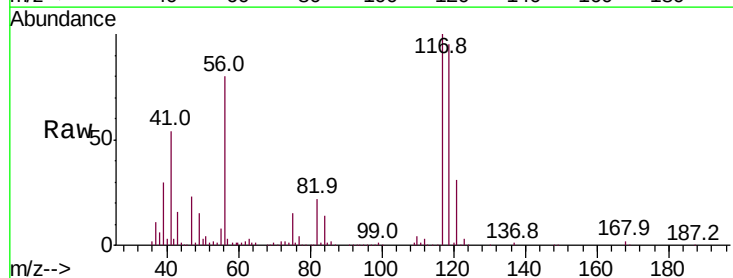
Manual Integrations
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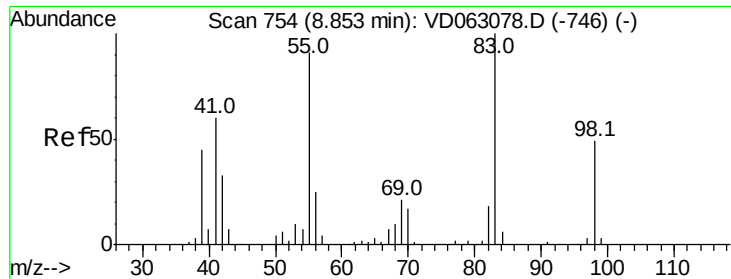
MMDadoda
7/16/2019 9:15:06 AM



#38
Carbon Tetrachloride
Concen: 85.759 ug/l m
RT: 7.10 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	80.0	120.0
121	30.7	25.0	37.4





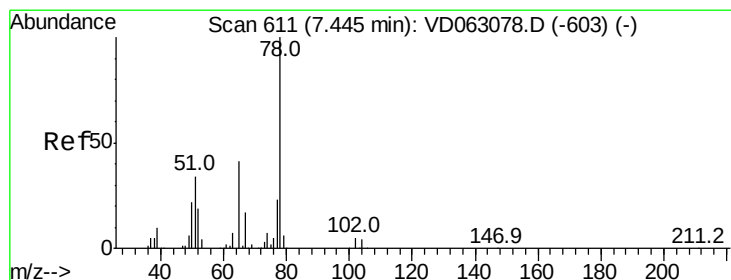
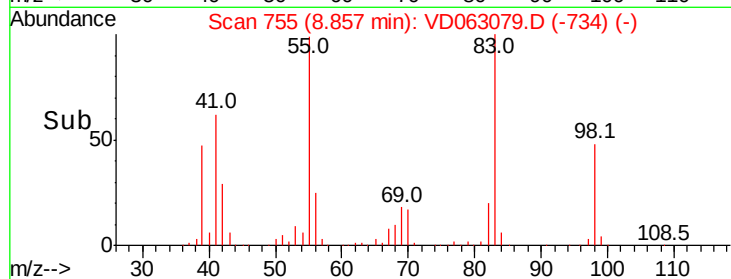
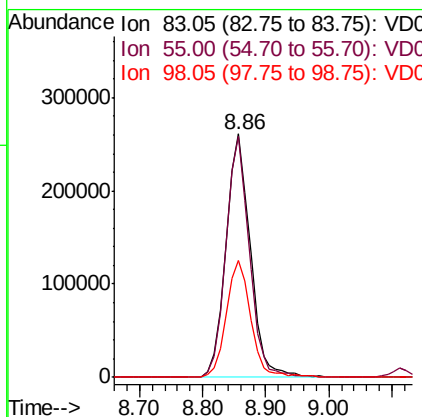
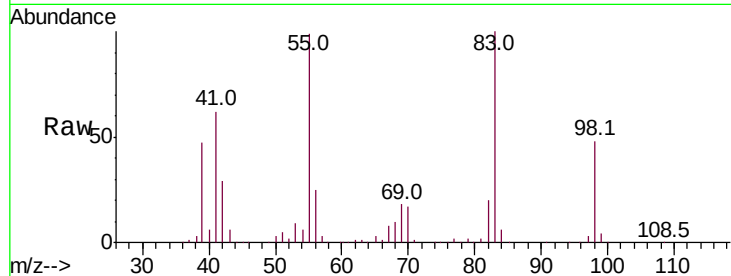
#39
Methylvlcyclohexane
Concen: 79.363 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	98.9	73.0	109.4
98	48.2	39.4	59.0

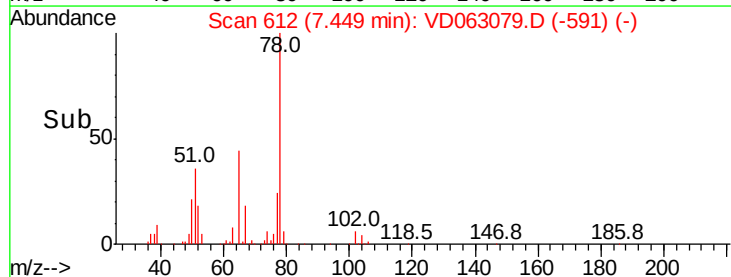
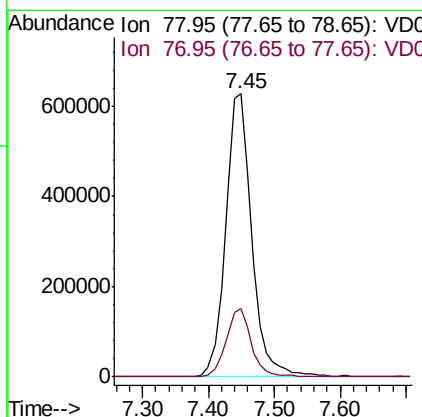
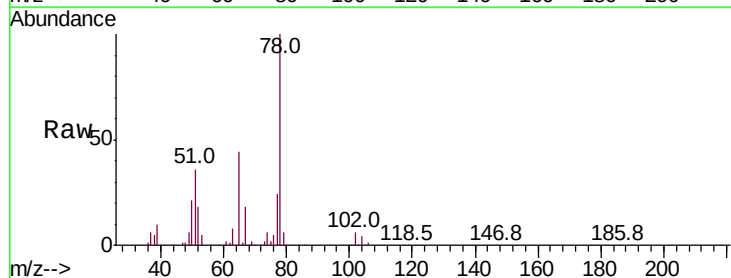
Manual Integrations
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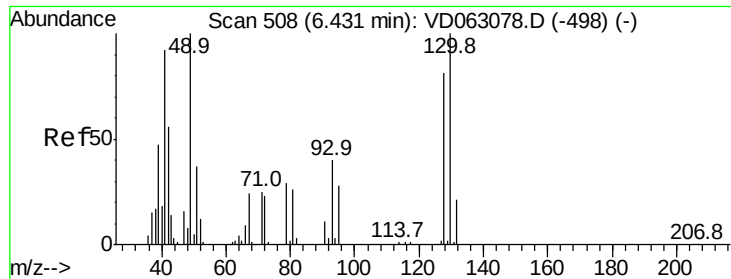
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7/16/2019 9:15:06 AM



#40
Benzene
Concen: 84.623 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.1	27.1





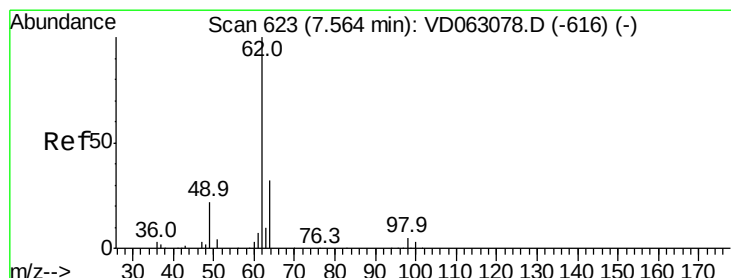
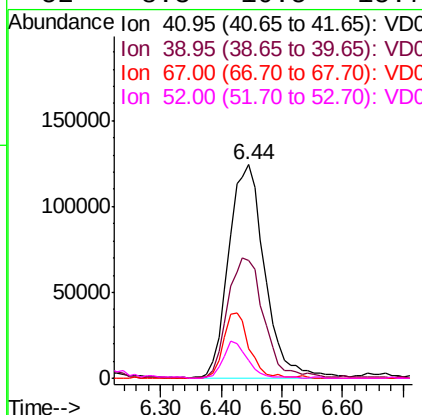
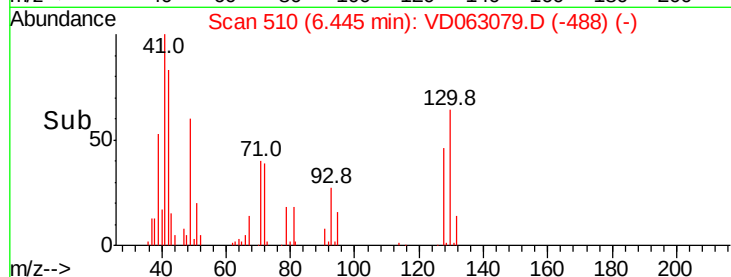
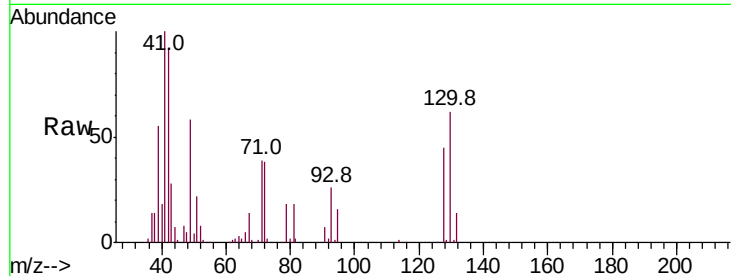
#41
Methacrylonitrile
Concen: 93.733 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	41.0	61.6
67	13.9	21.3	31.9#
52	8.3	10.5	15.7#

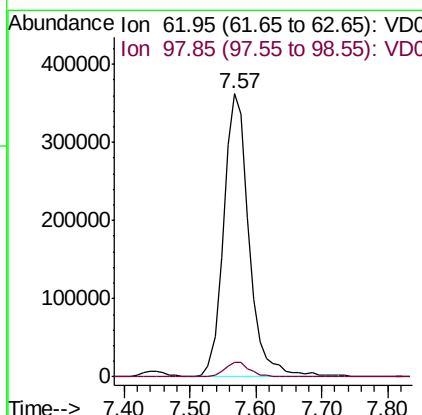
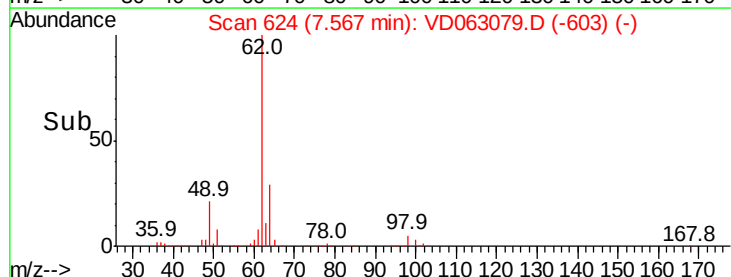
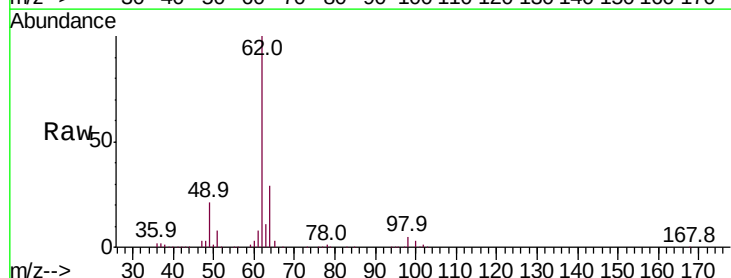
Manual Integrations
APPROVED

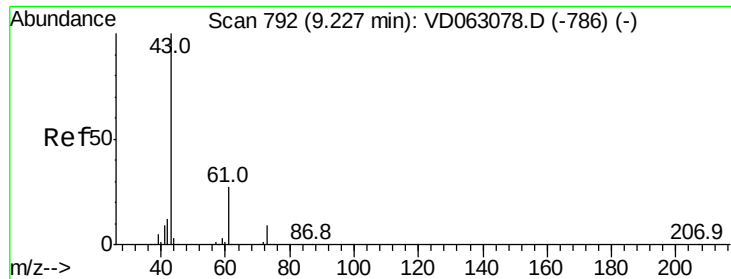
MMDadoda
7/16/2019 9:15:06 AM



#42
1,2-Dichloroethane
Concen: 87.807 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	9.6





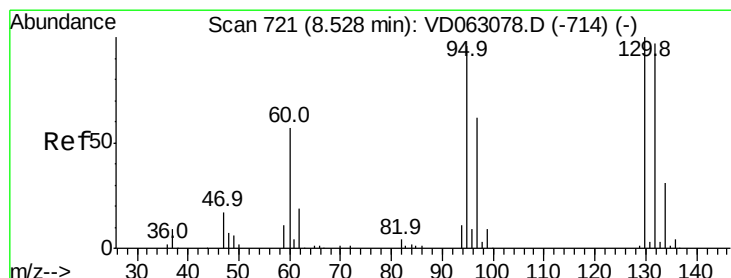
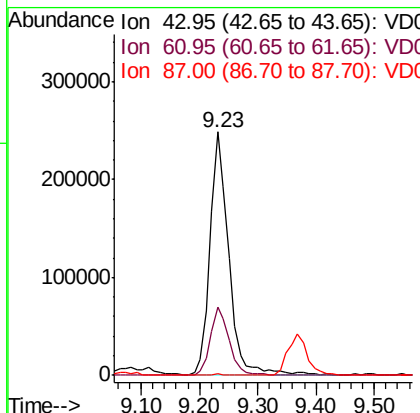
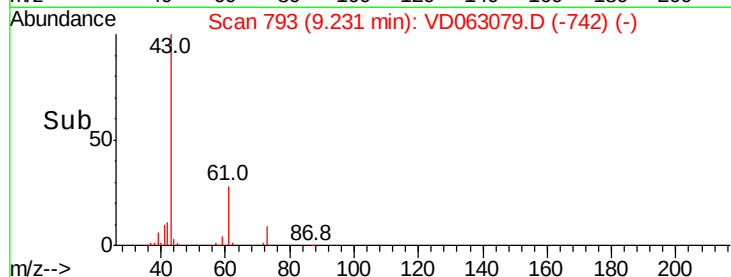
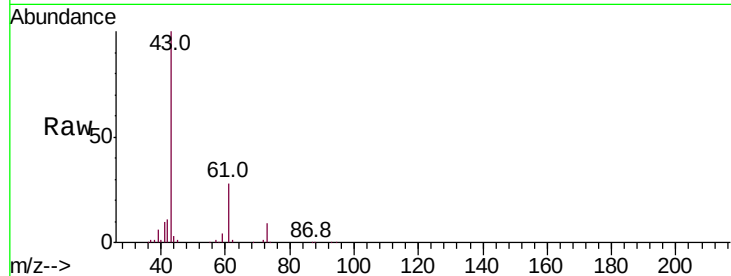
#43
Isopropyl Acetate
Concen: 100.039 ug/l
RT: 9.23 min Scan# 793
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 549683
Ion Ratio Lower Upper
43 100
61 27.8 21.7 32.5
87 0.5 0.2 0.4#

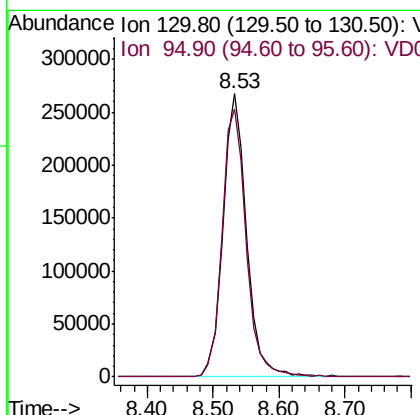
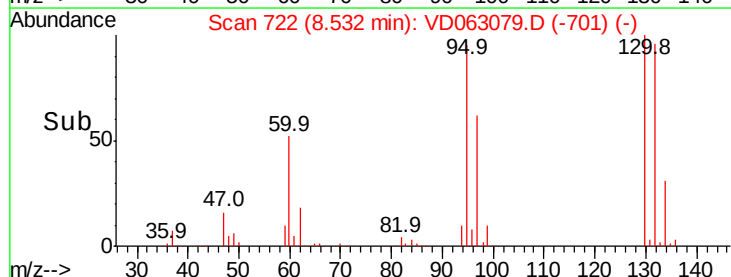
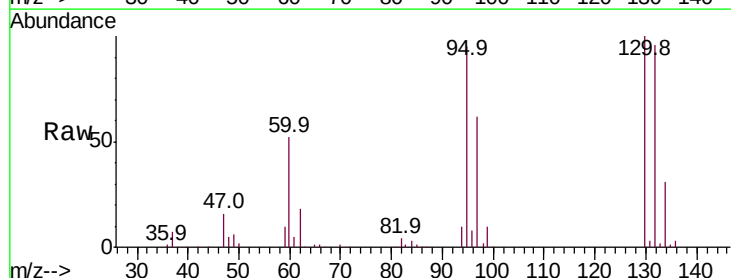
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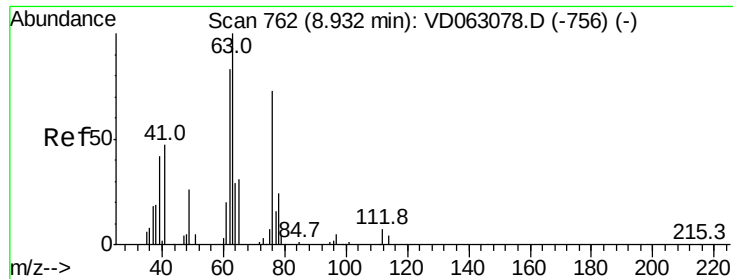
MMDadoda
7/16/2019 9:15:06 AM



#44
Trichloroethene
Concen: 84.167 ug/l
RT: 8.53 min Scan# 722
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion:130 Resp: 667953
Ion Ratio Lower Upper
130 100
95 94.8 0.0 191.4





#45

1,2-Dichloropropane

Concen: 86.648 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 441498

Ion Ratio Lower Upper

63 100

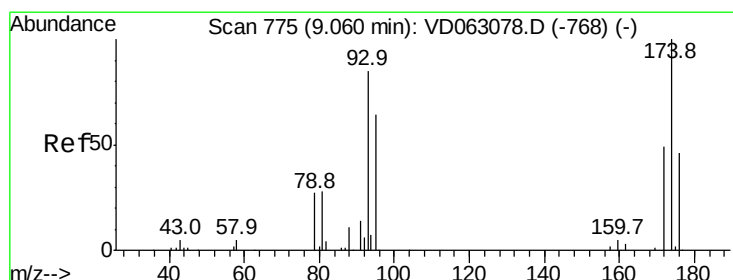
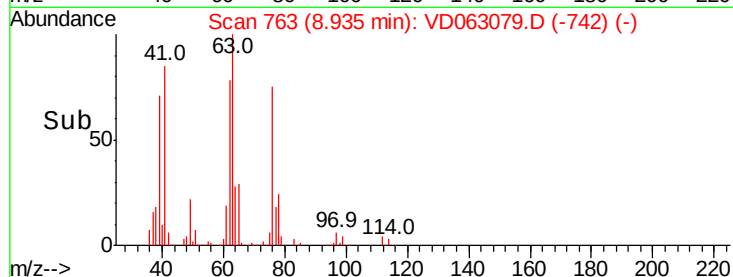
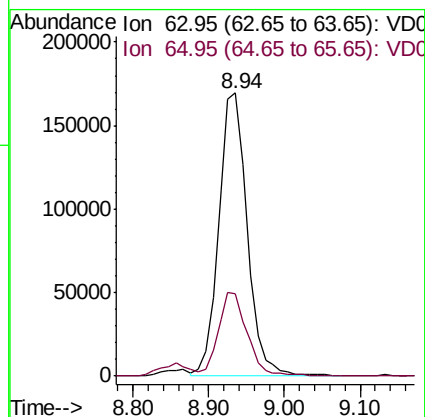
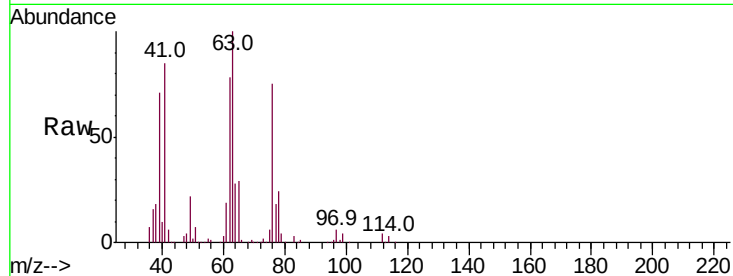
65 29.3 26.3 39.5

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#46

Dibromomethane

Concen: 86.574 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

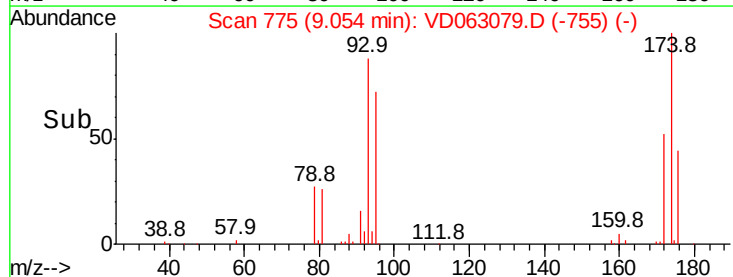
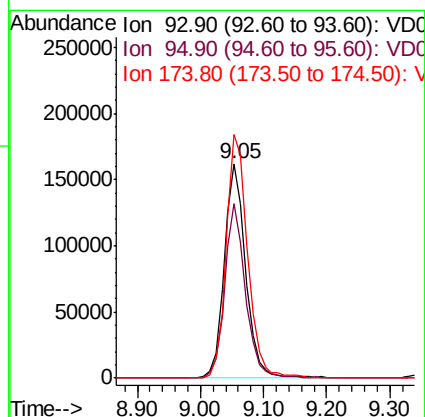
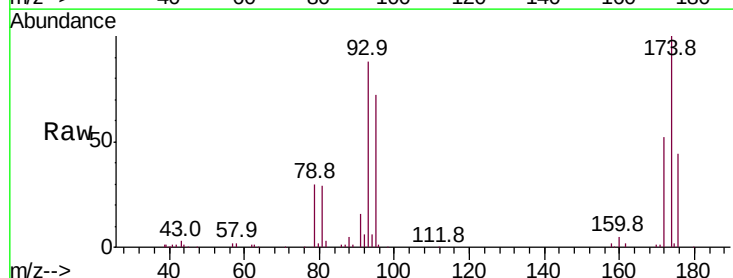
Tgt Ion: 93 Resp: 381774

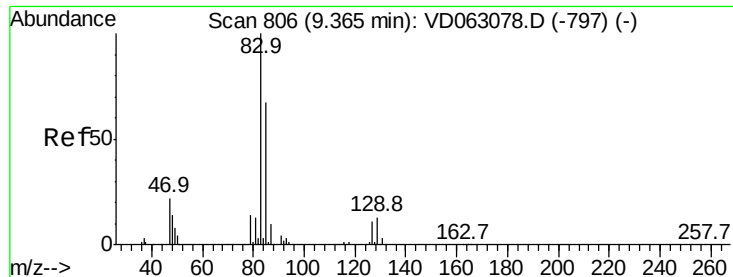
Ion Ratio Lower Upper

93 100

95 81.5 59.7 89.5

174 113.4 93.9 140.9





#47

Bromodichloromethane

Concen: 88.266 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

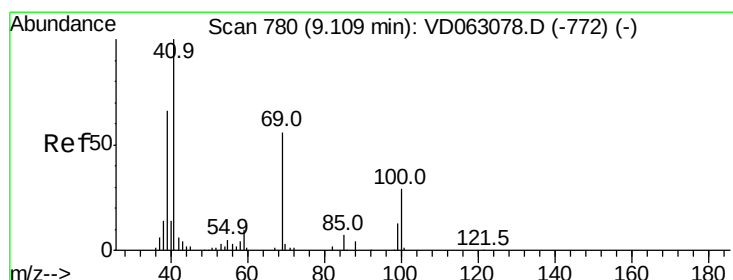
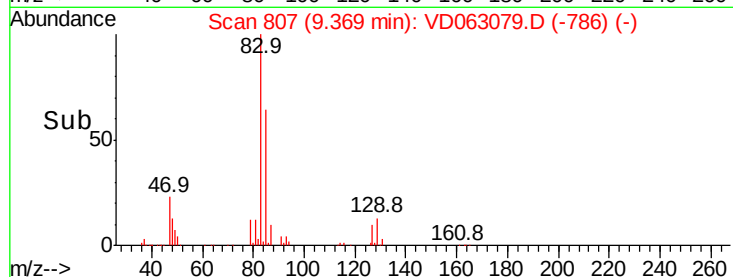
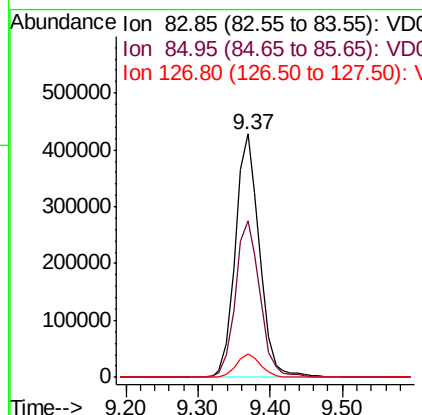
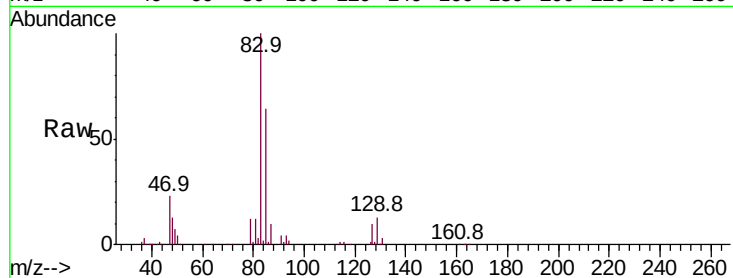
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	998798
Ion Ratio	Lower	Upper	
83	100		
85	64.3	53.7	80.5
127	9.5	9.0	13.6

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#48

Methyl methacrylate

Concen: 86.674 ug/l

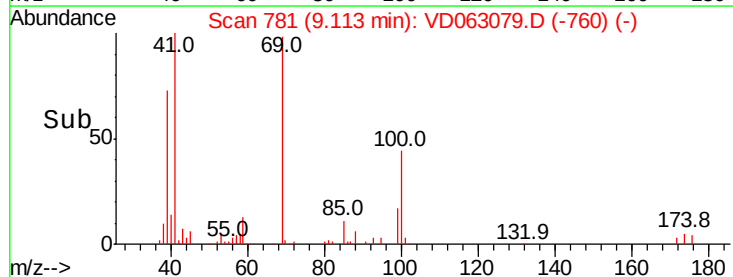
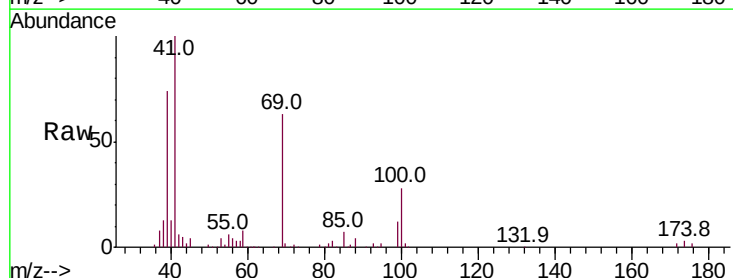
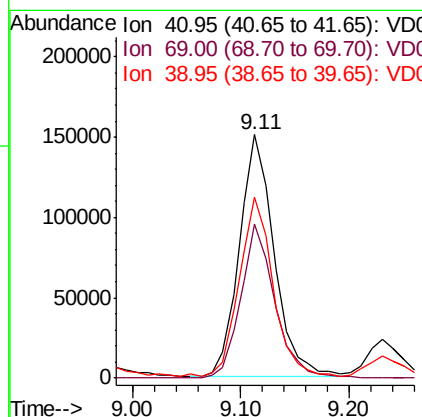
RT: 9.11 min Scan# 781

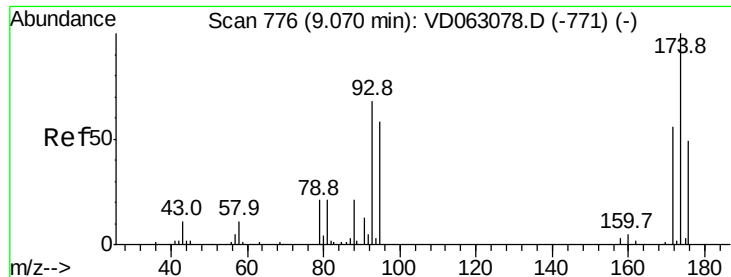
Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	41	Resp:	336016
Ion Ratio	Lower	Upper	
41	100		
69	63.2	44.3	66.5
39	74.1	52.6	78.8





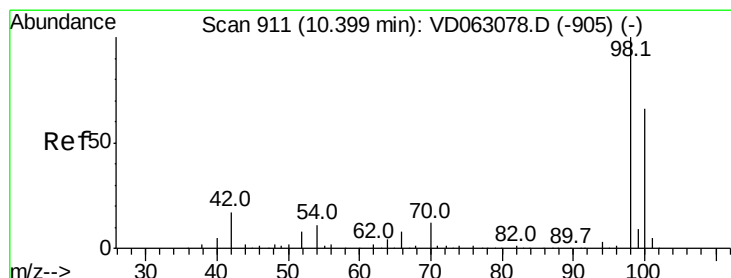
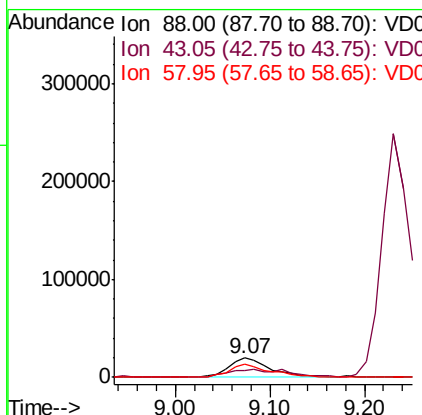
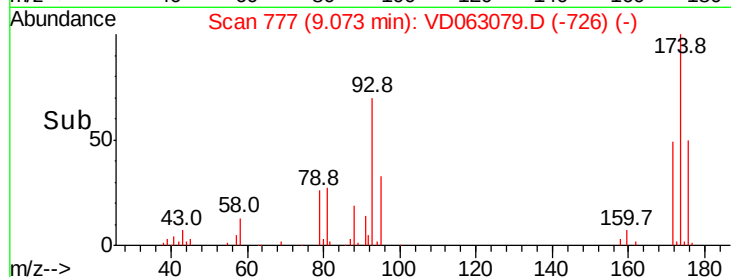
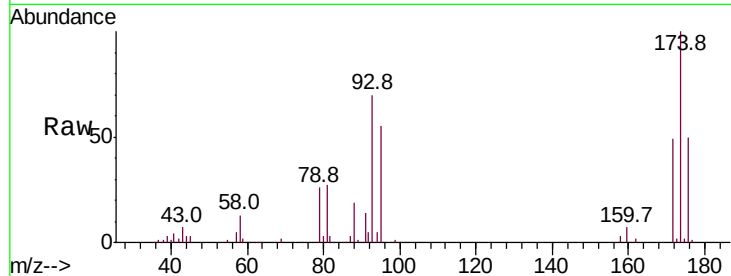
#49
1,4-Dioxane
Concen: 1851.730 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	40.2	60.4#
58	68.5	41.6	62.4#

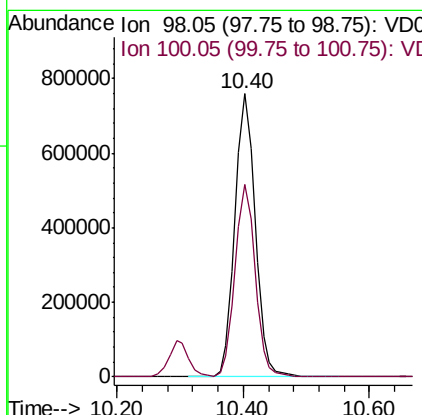
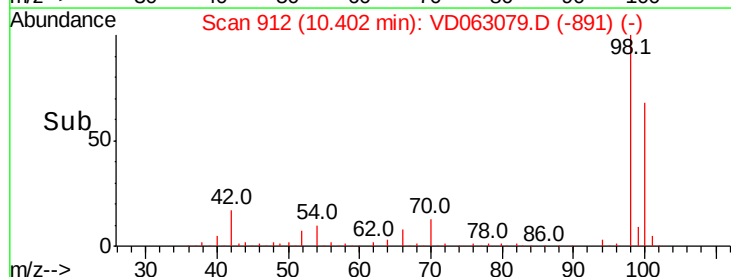
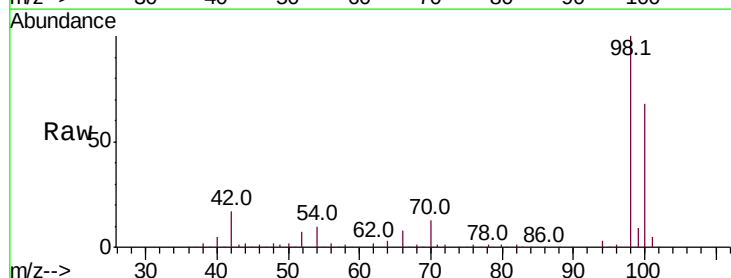
Manual Integrations
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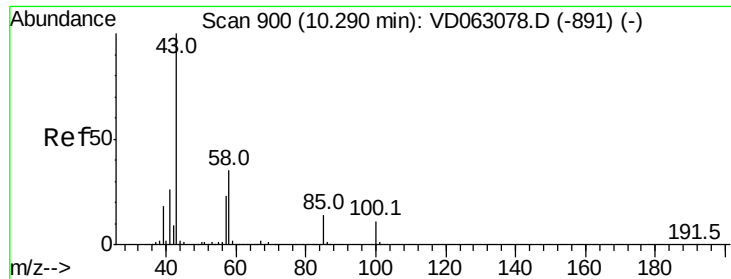
MMDadoda
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#50
Toluene-d8
Concen: 85.978 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.5	80.3





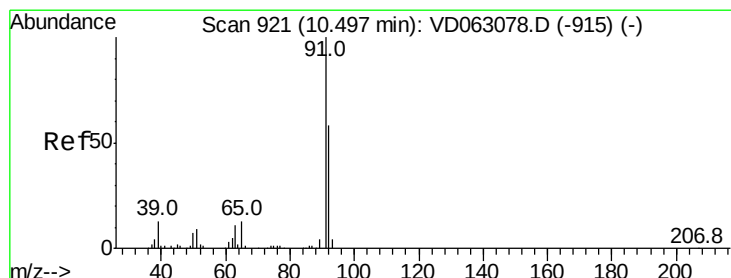
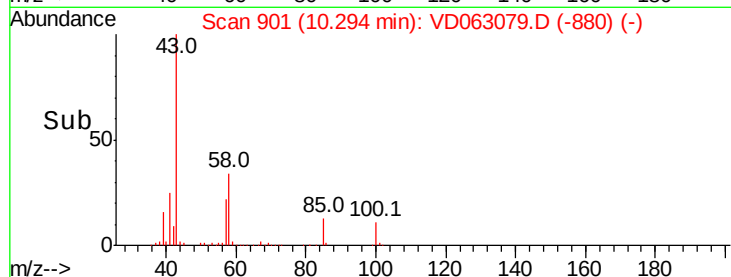
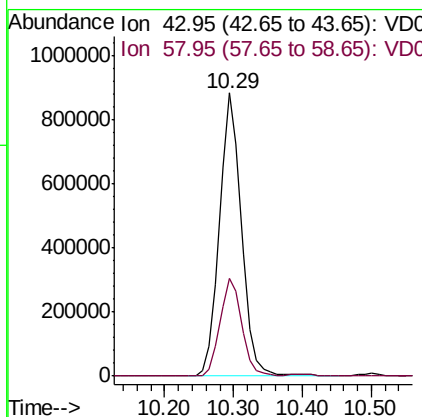
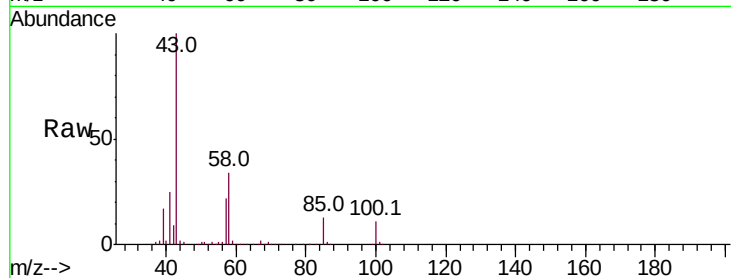
#51
4-Methyl-2-Pentanone
Concen: 501.101 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1956625
Ion Ratio Lower Upper
43 100
58 34.5 27.8 41.6

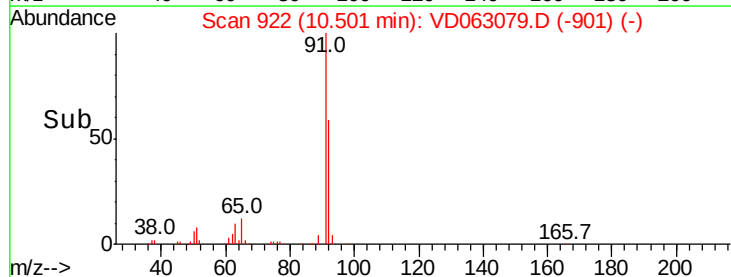
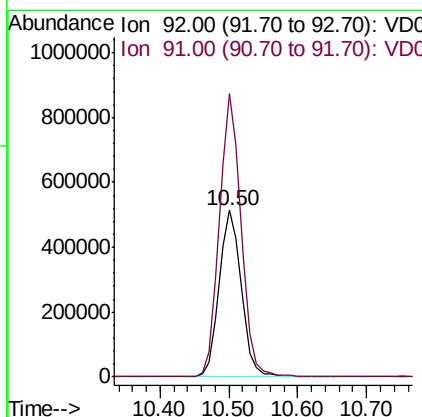
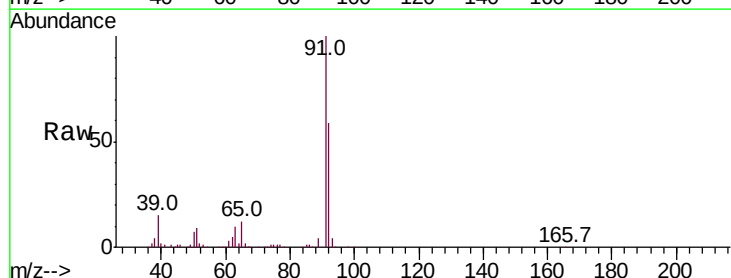
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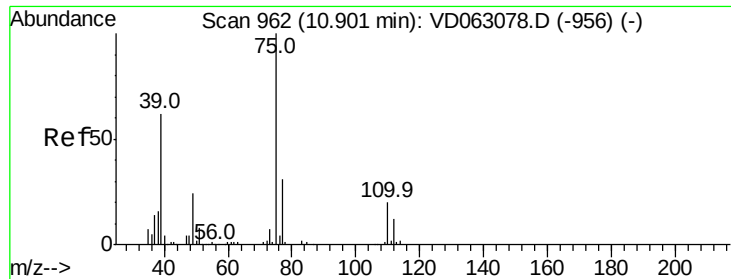
MMDadoda
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#52
Toluene
Concen: 83.663 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion: 92 Resp: 1144880
Ion Ratio Lower Upper
92 100
91 169.8 137.9 206.9





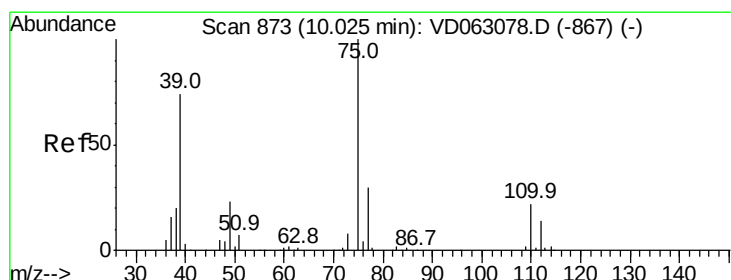
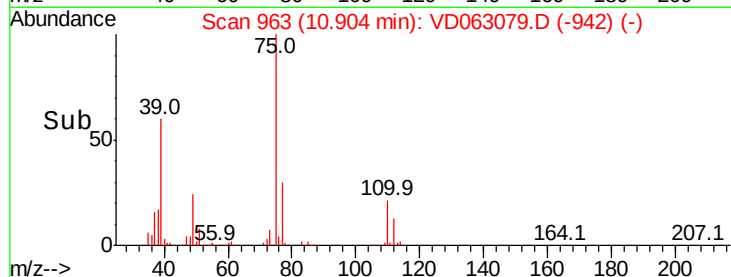
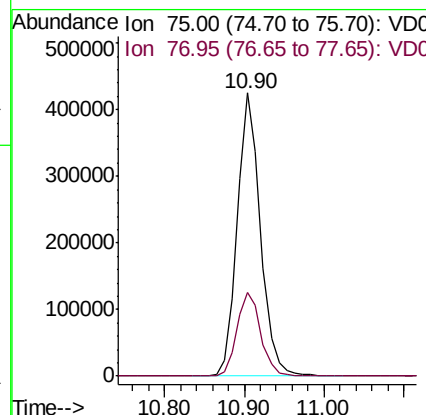
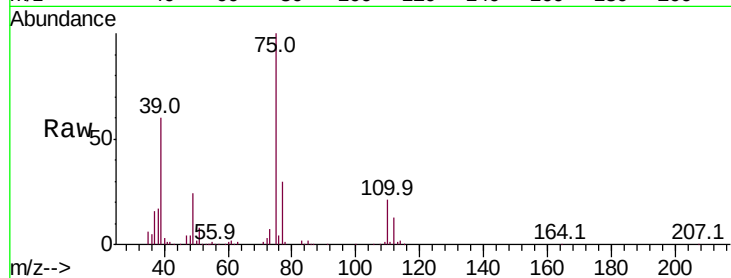
#53
 t-1,3-Dichloropropene
 Concen: 91.225 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 75 Resp: 862924
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.9 37.3

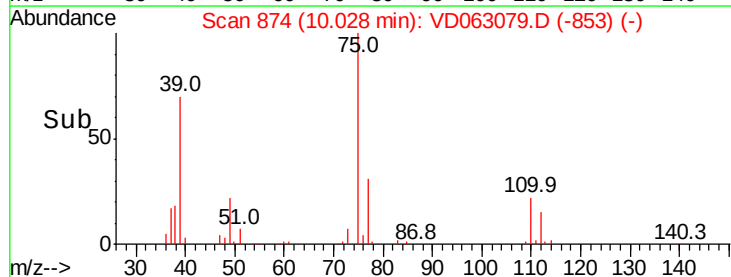
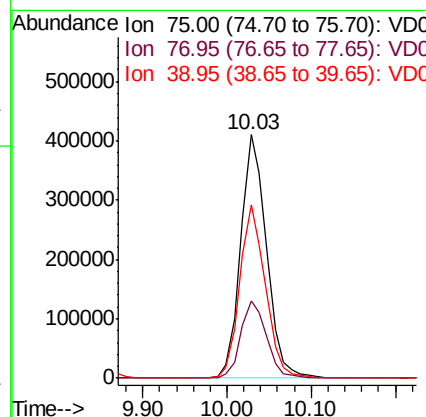
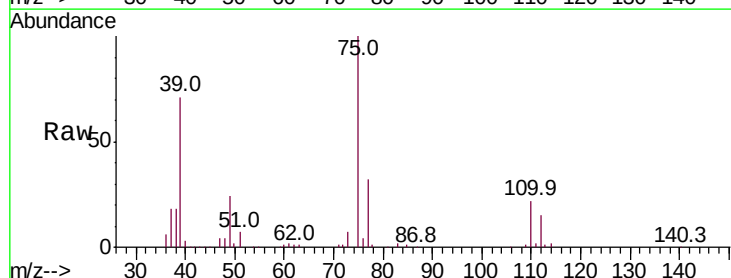
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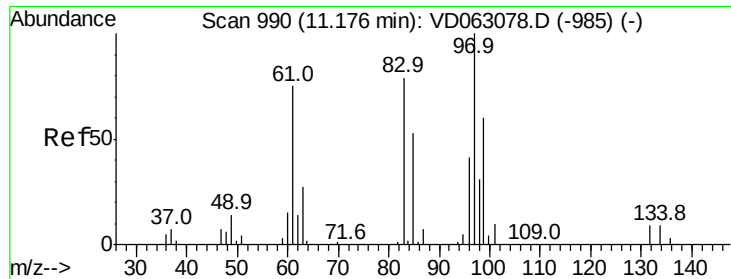
MMDadoda
 7/16/2019 9:15:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 86.259 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion: 75 Resp: 879930
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.9 35.9
 39 71.0 59.4 89.0





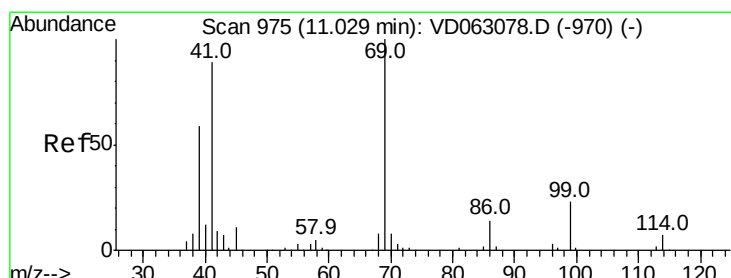
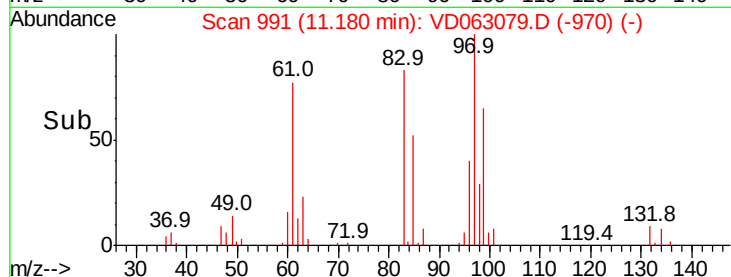
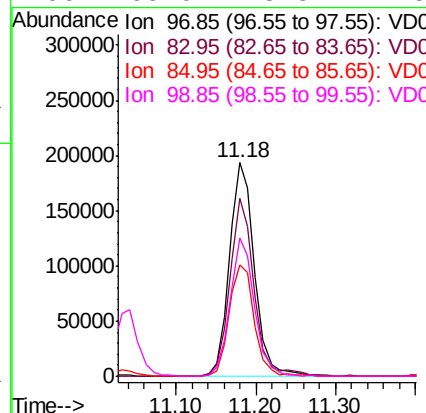
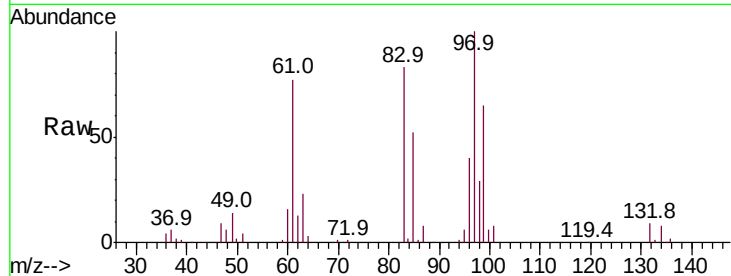
#55
 1,1,2-Trichloroethane
 Concen: 88.836 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	63.2	94.8
85	52.2	42.0	63.0
99	65.0	48.3	72.5

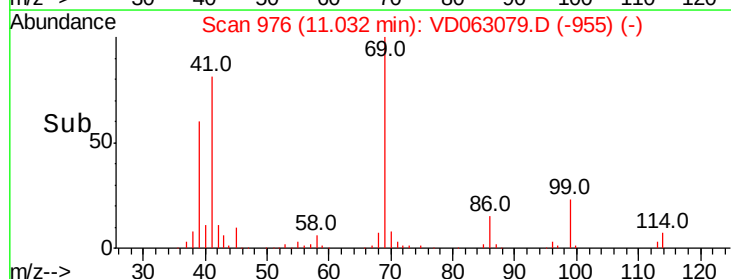
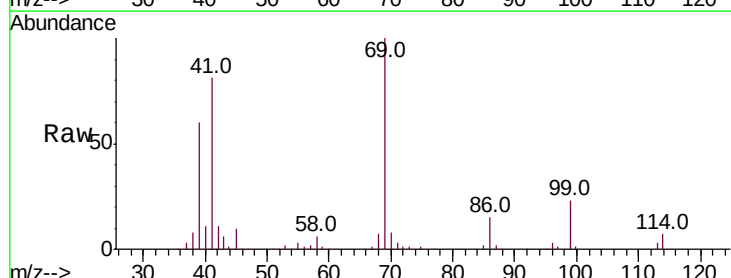
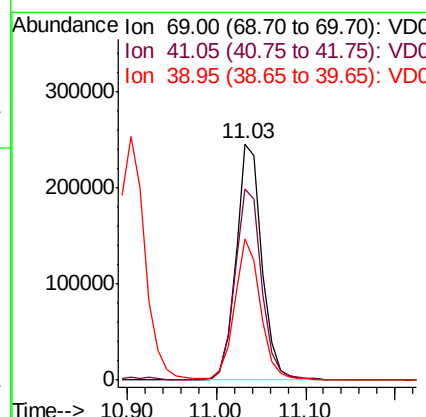
Manual Integrations
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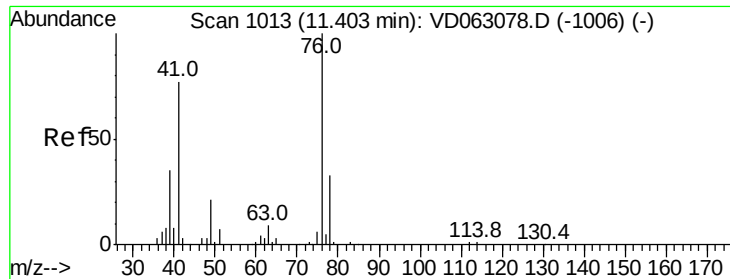
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 7/16/2019 9:15:06 AM



#56
 Ethyl methacrylate
 Concen: 97.635 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	80.8	71.0	106.4
39	59.7	47.7	71.5





#57

1,3-Dichloropropane

Concen: 90.294 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 651001

Ion Ratio Lower Upper

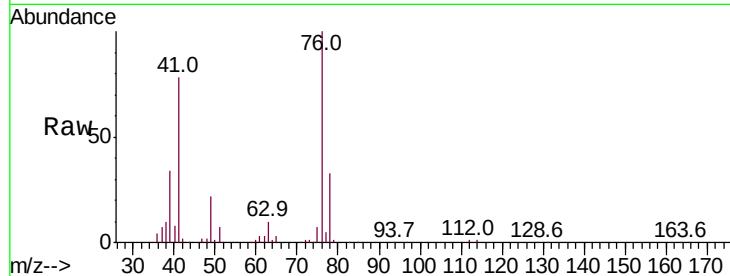
76 100

78 32.8 26.8 40.2

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

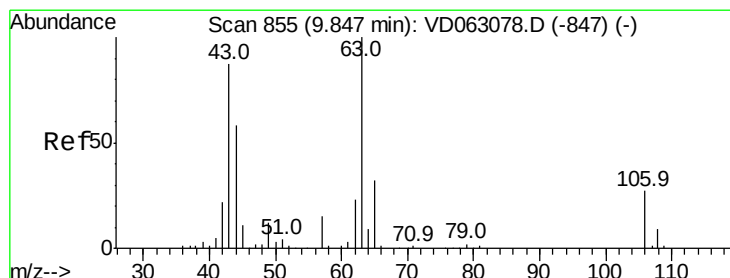
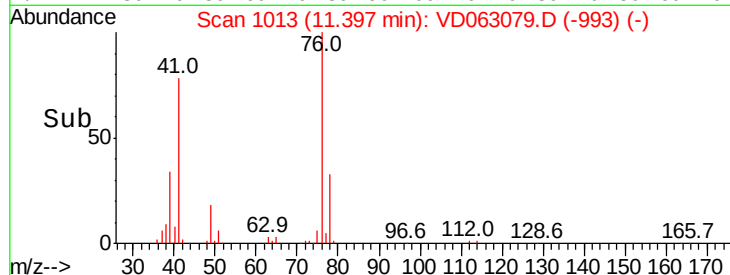
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 487.282 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063079.D

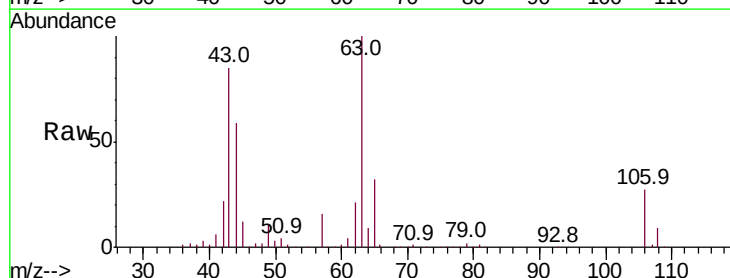
Acq: 15 Jul 2019 12:50

Tgt Ion: 63 Resp: 1335038

Ion Ratio Lower Upper

63 100

106 27.2 21.3 31.9



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

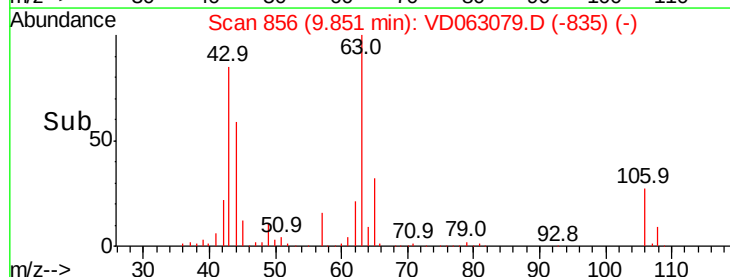
600000

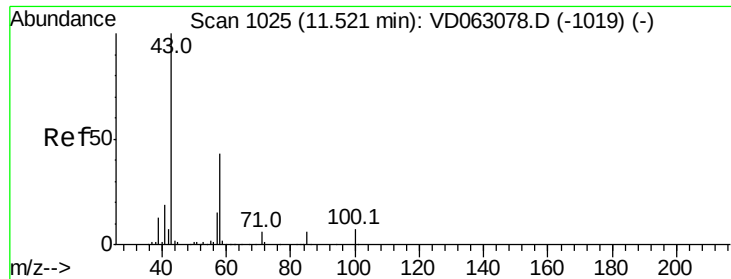
400000

200000

0

Time-->





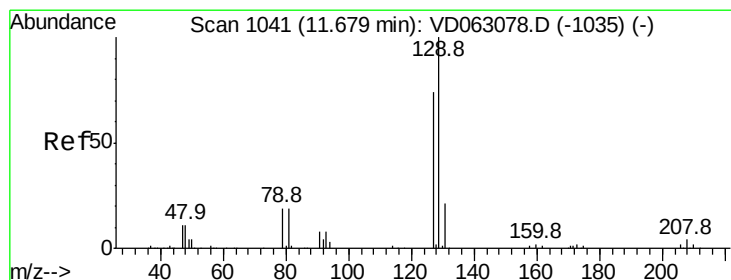
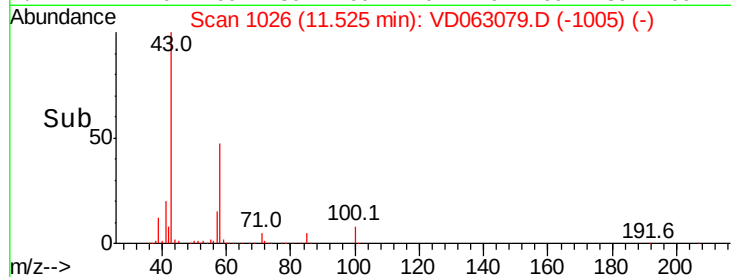
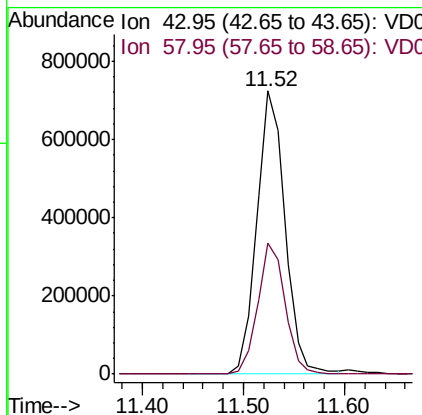
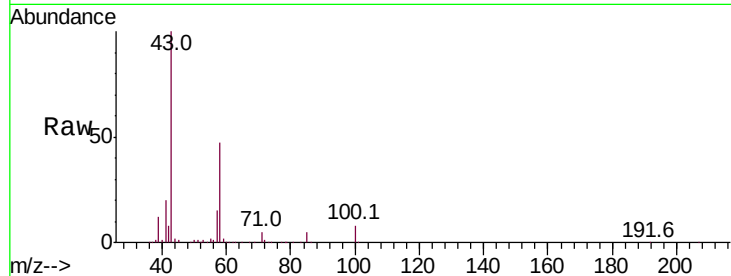
#59
2-Hexanone
Concen: 498.733 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 1407078
Ion Ratio Lower Upper
43 100
58 46.5 21.7 65.1

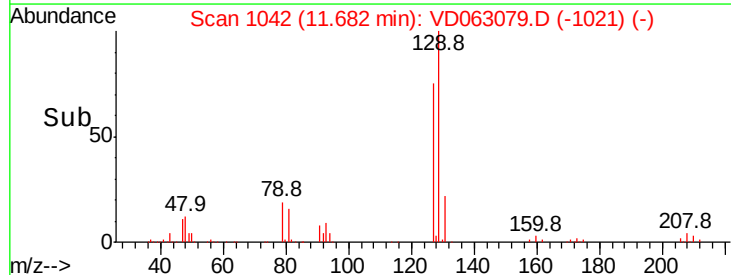
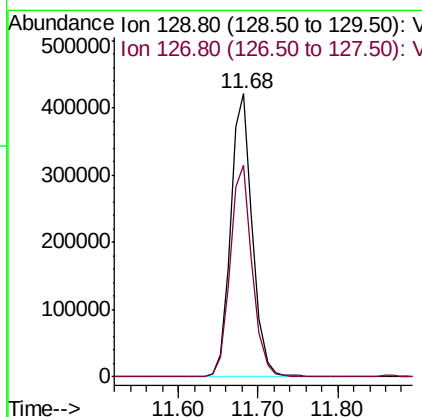
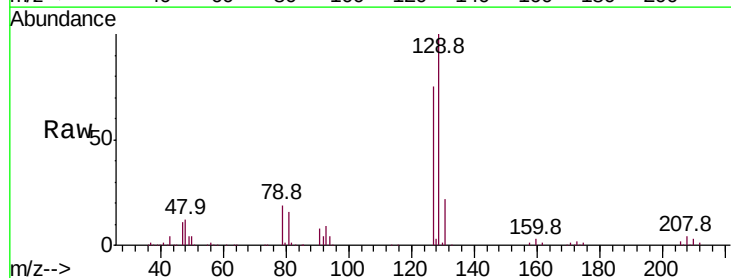
Manual Integrations
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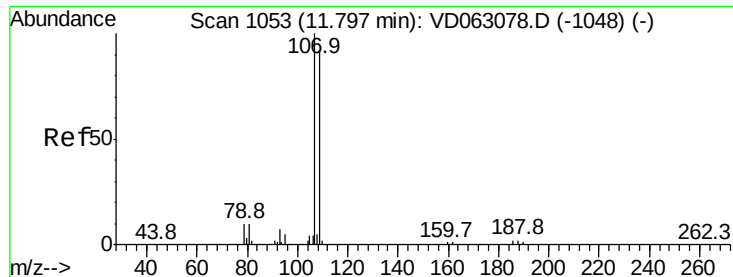
MMDadoda
7/16/2019 9:15:06 AM



#60
Dibromochloromethane
Concen: 89.965 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion: 129 Resp: 803762
Ion Ratio Lower Upper
129 100
127 74.6 37.0 110.9





#61

1,2-Dibromoethane

Concen: 95.942 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 538045

Ion Ratio Lower Upper

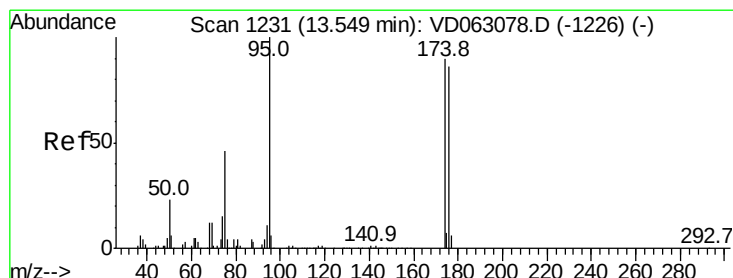
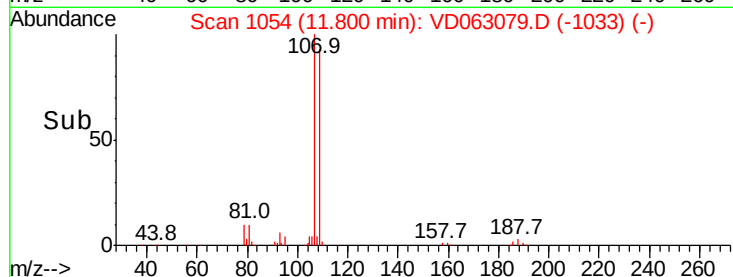
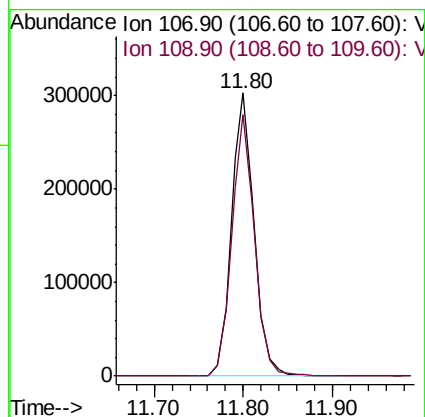
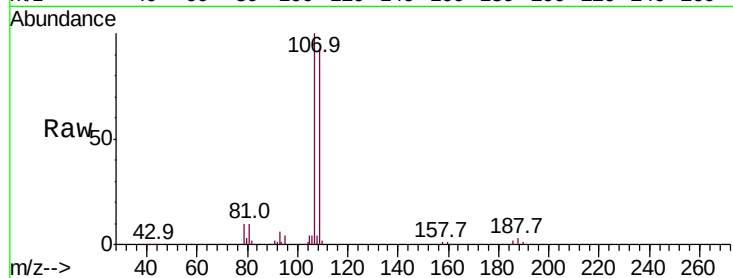
107 100

109 92.5 73.6 110.4

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#62

4-Bromofluorobenzene

Concen: 81.367 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

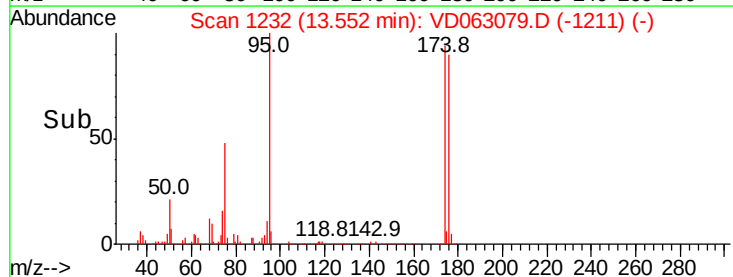
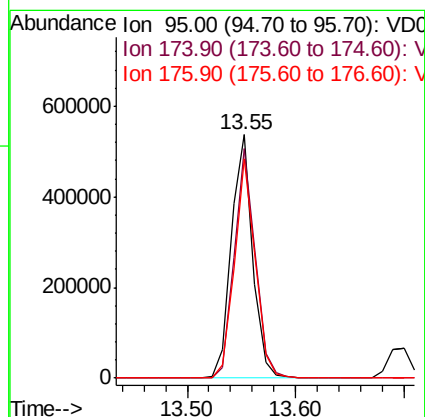
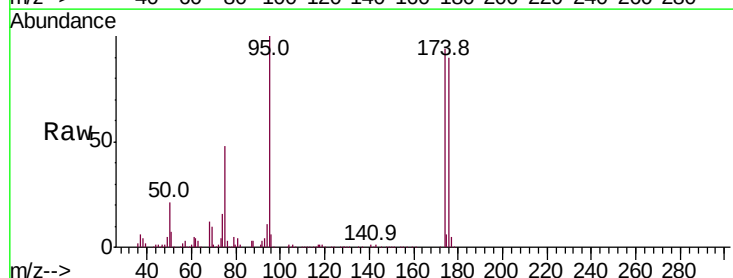
Tgt Ion: 95 Resp: 735067

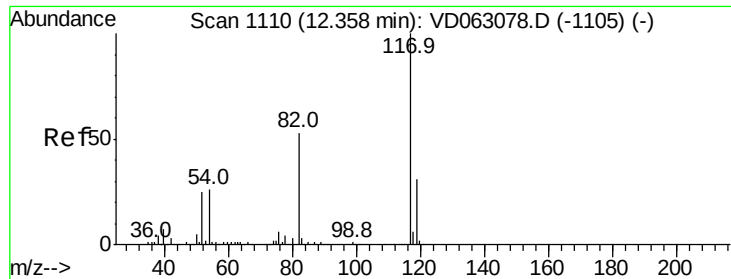
Ion Ratio Lower Upper

95 100

174 94.3 0.0 180.6

176 90.3 0.0 172.2





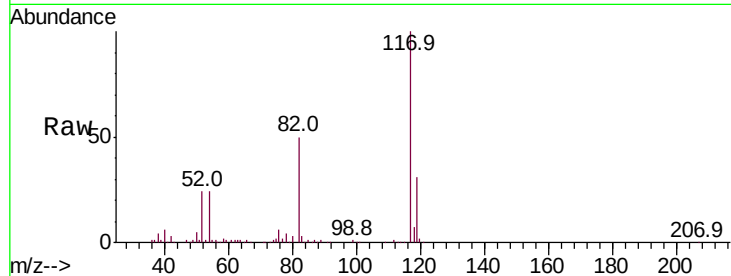
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

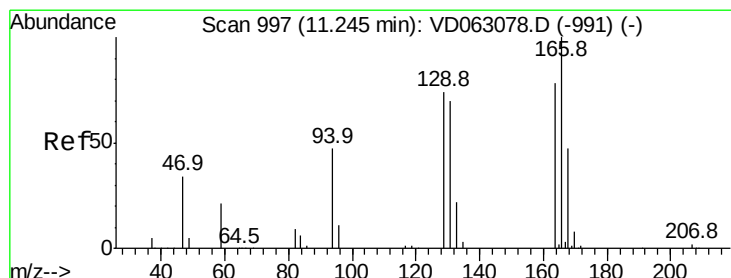
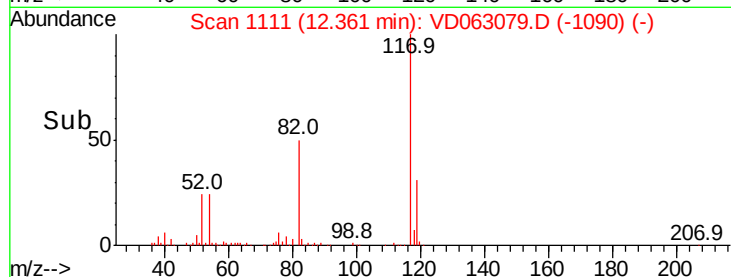
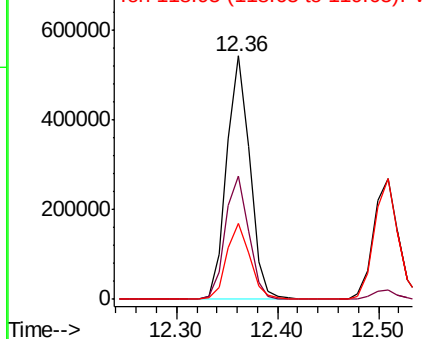
Tot Ion	Ratio	Resp	Lower	Upper
117	100	867325		
82	50.4		42.3	63.5
119	31.3		25.2	37.8

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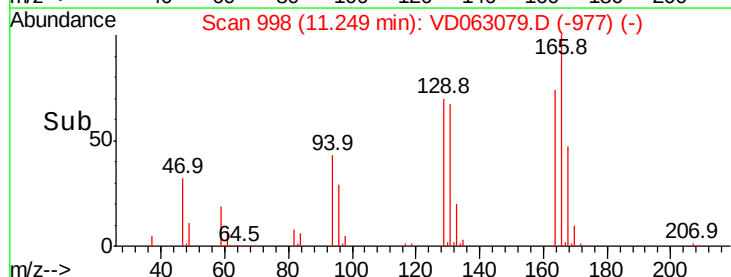
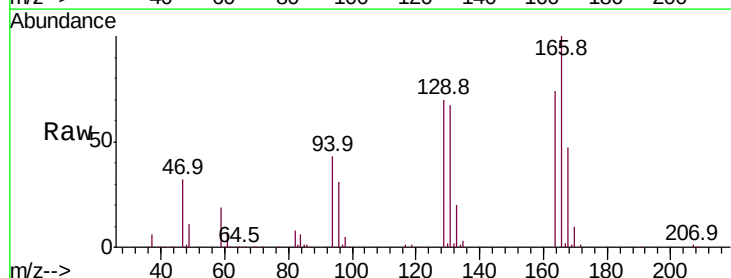
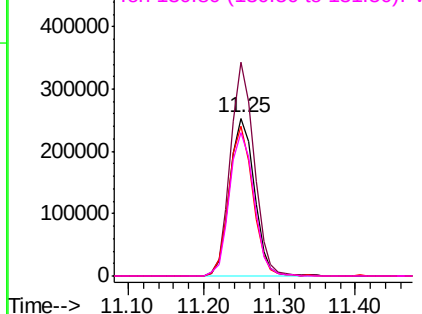
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

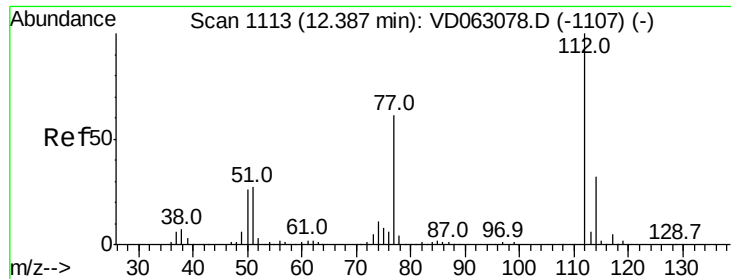


#64
Tetrachloroethene
Concen: 78.966 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	567485		
166	135.3		102.8	154.2
129	95.1		76.4	114.6
131	91.2		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





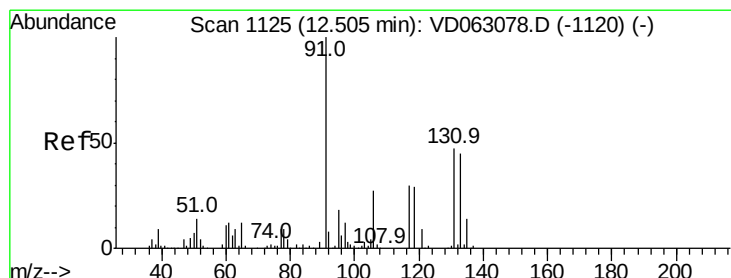
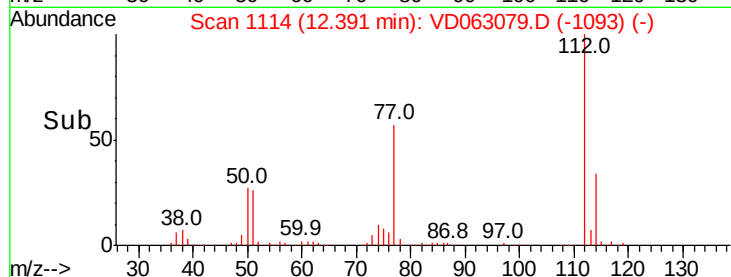
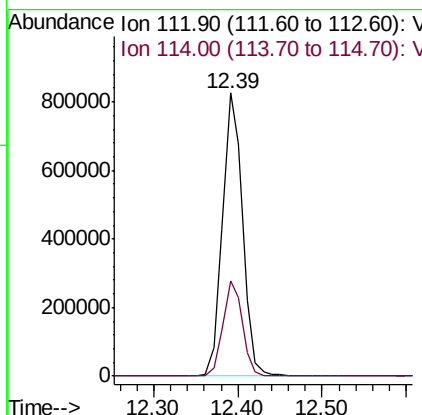
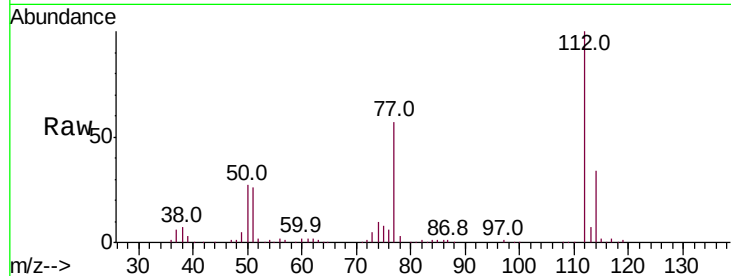
#65
Chlorobenzene
Concen: 82.950 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:112 Resp: 1367547
Ion Ratio Lower Upper
112 100
114 33.7 25.9 38.9

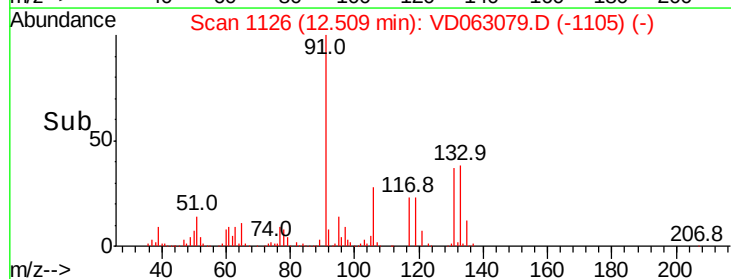
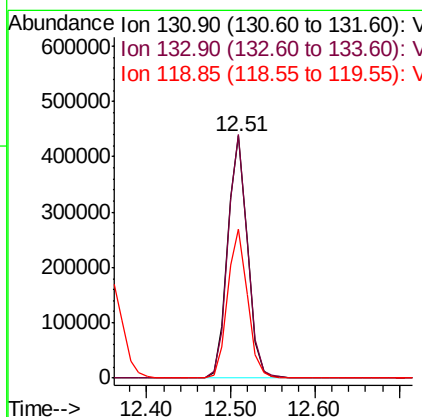
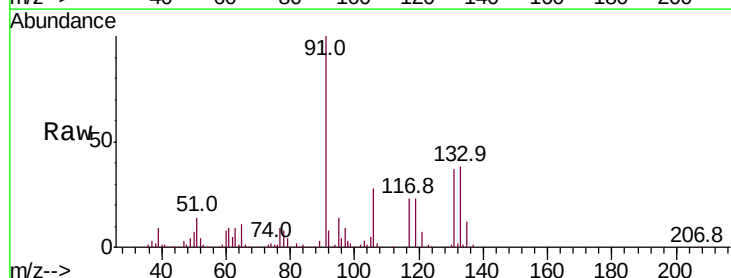
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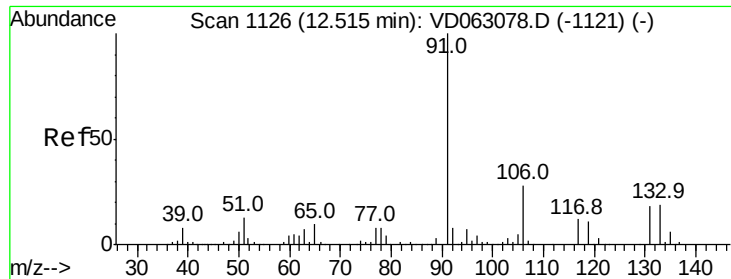
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#66
1,1,1,2-Tetrachloroethane
Concen: 92.551 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion:131 Resp: 711679
Ion Ratio Lower Upper
131 100
133 100.7 48.5 145.6
119 61.6 30.8 92.3





#67

Ethyl Benzene

Concen: 87.258 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 2570632

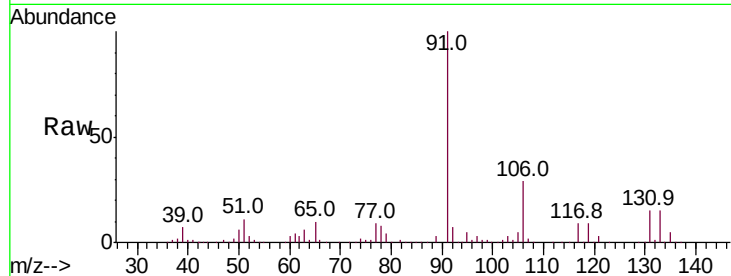
Ion Ratio Lower Upper

91 100

106 29.5 22.5 33.7

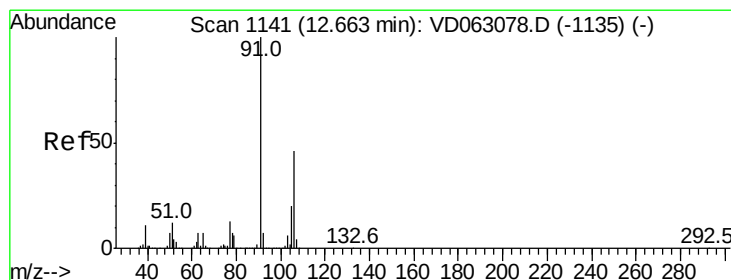
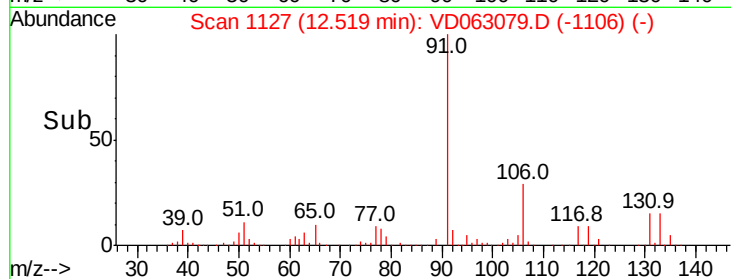
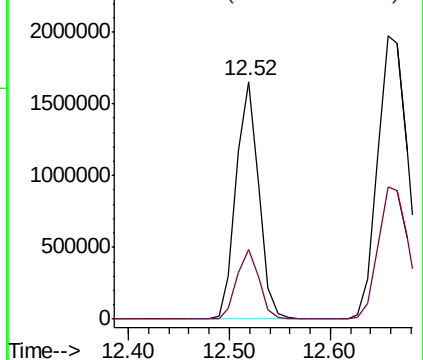
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 185.350 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VD063079.D

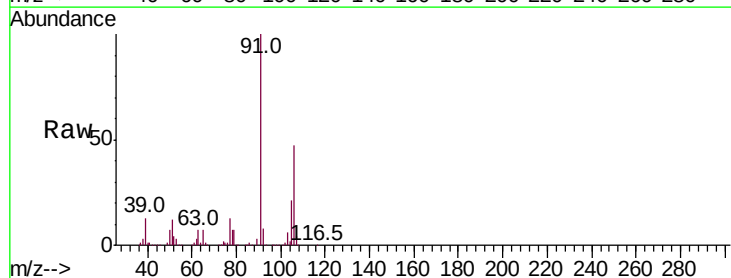
Acq: 15 Jul 2019 12:50

Tgt Ion:106 Resp: 1889784

Ion Ratio Lower Upper

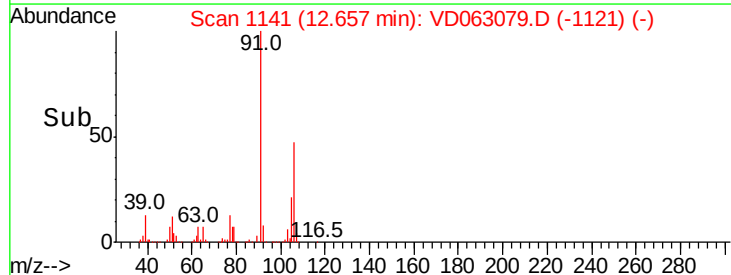
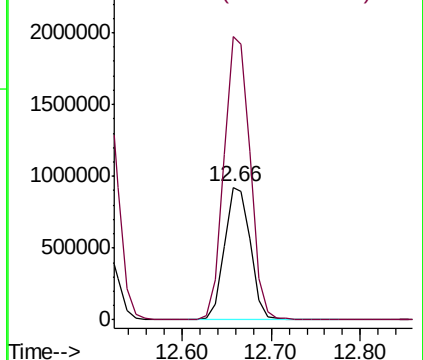
106 100

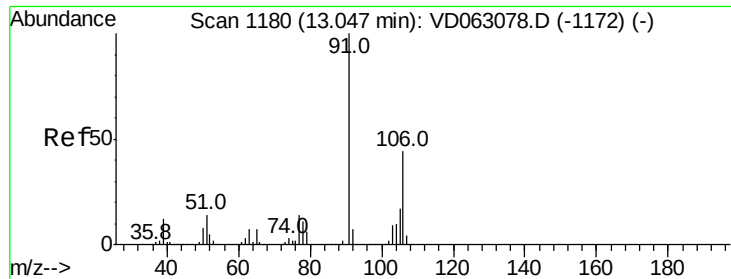
91 213.4 173.0 259.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





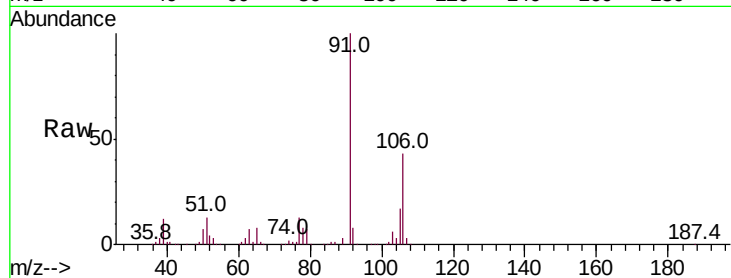
#69
o-Xylene
Concen: 87.793 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

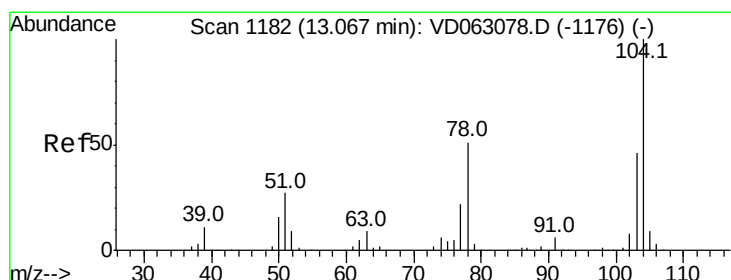
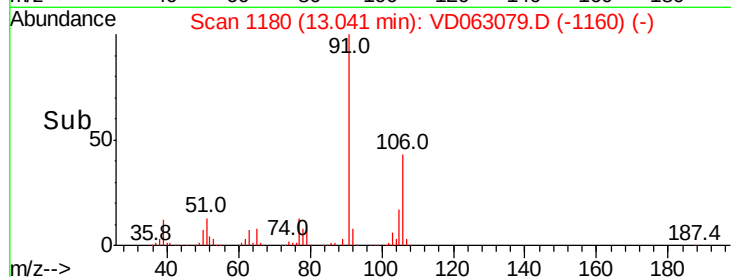
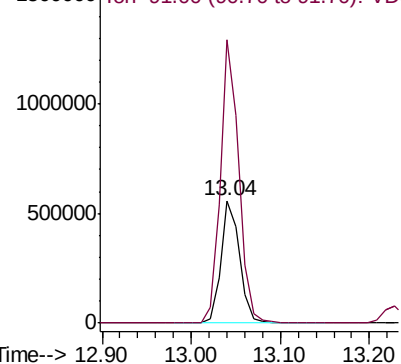
Tot Ion	Ratio	Lower	Upper
106	100		
91	231.1	114.9	344.7

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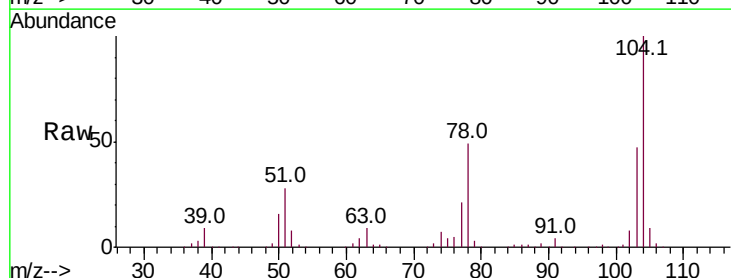


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

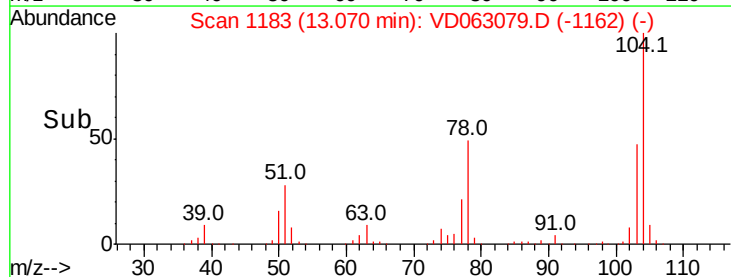
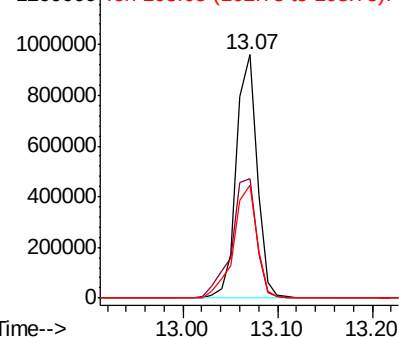


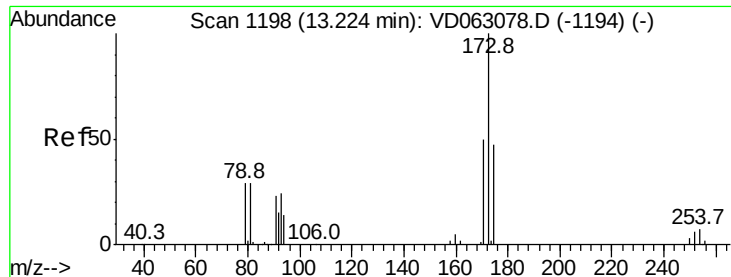
#70
Styrene
Concen: 87.534 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	41.1	61.7
103	46.7	37.0	55.6



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





#71

Bromoform

Concen: 97.521 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 520099

Ion Ratio Lower Upper

173 100

175 45.8 23.4 70.2

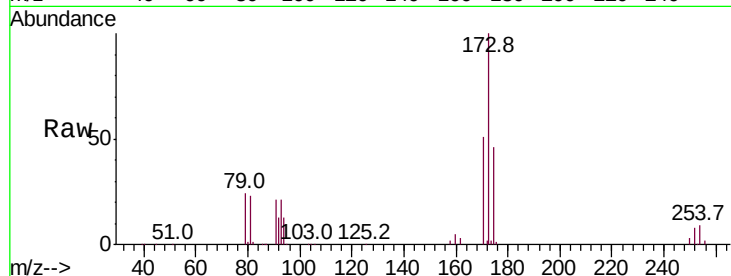
254 8.6 5.4 8.0#

Manual Integrations

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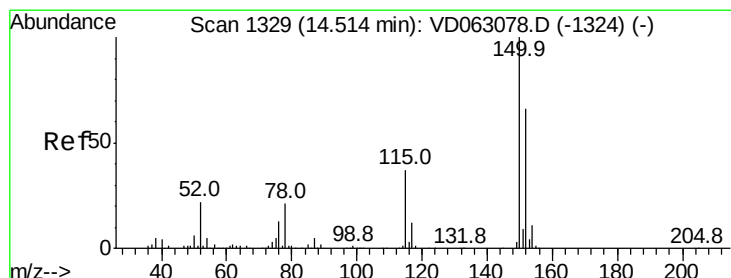
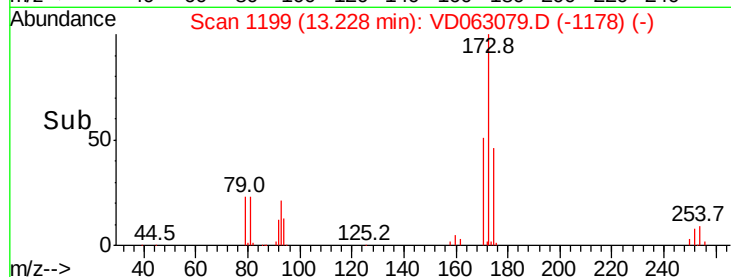
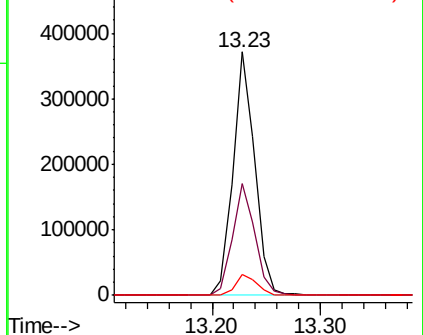
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

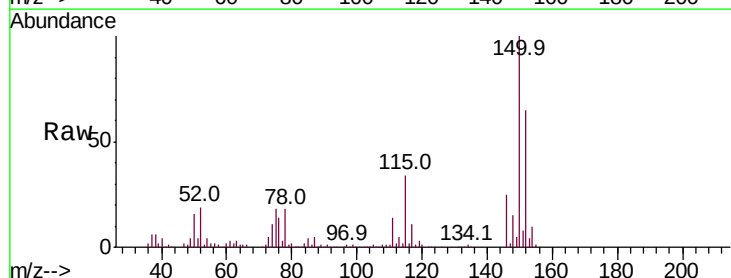
Tgt Ion:152 Resp: 474223

Ion Ratio Lower Upper

152 100

115 51.8 28.9 86.8

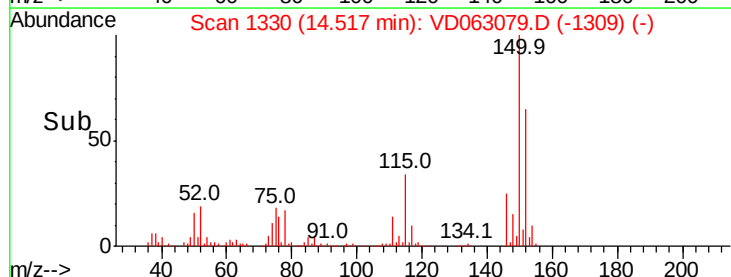
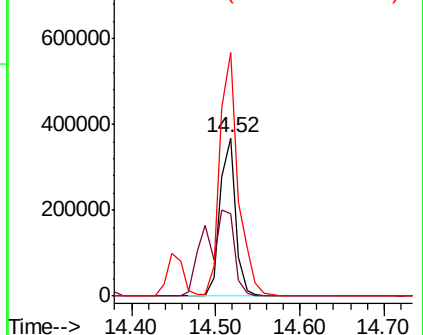
150 154.1 0.0 313.8

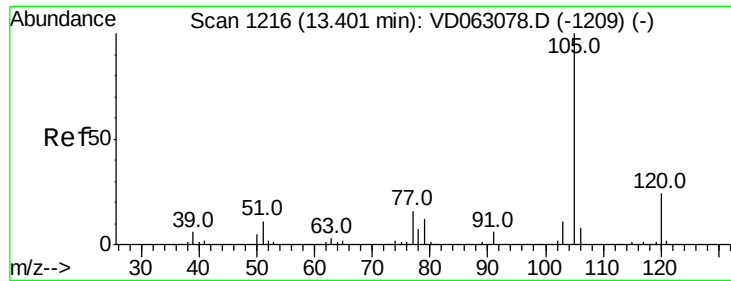


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 82.228 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2551616

Ion Ratio Lower Upper

105 100

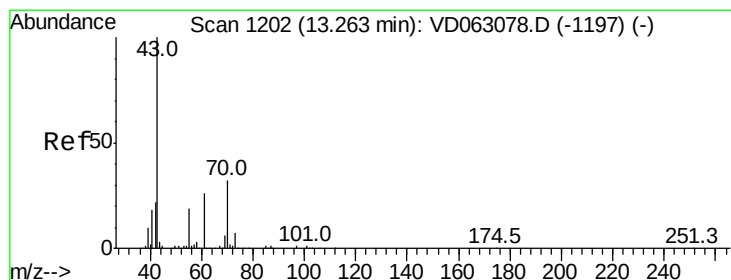
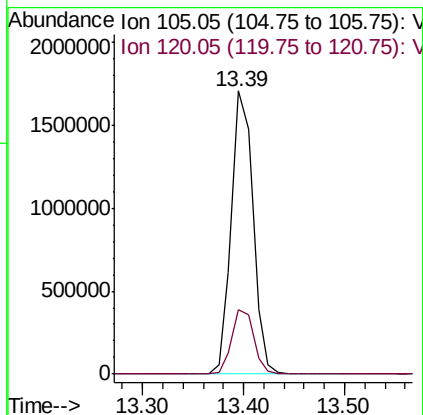
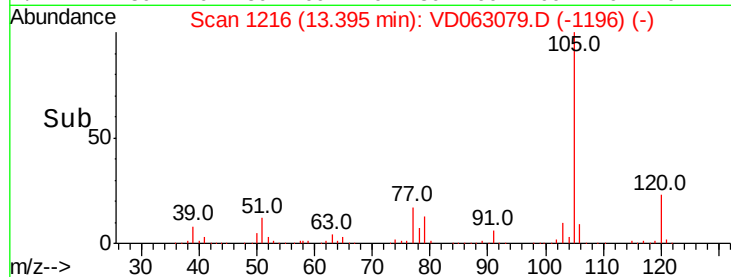
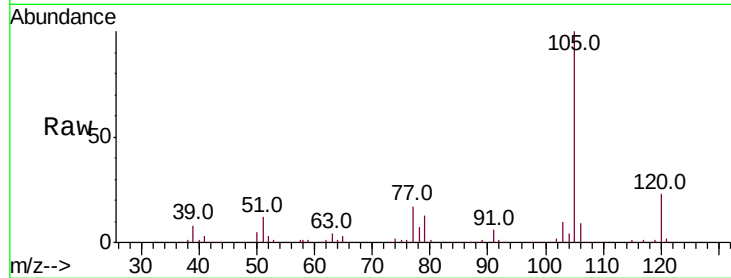
120 22.8 12.2 36.4

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#74

N-ethyl acetate

Concen: 101.375 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion: 43 Resp: 787190

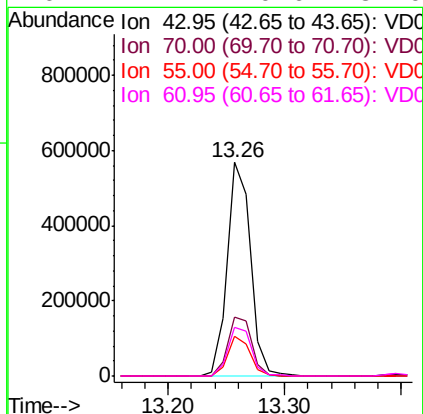
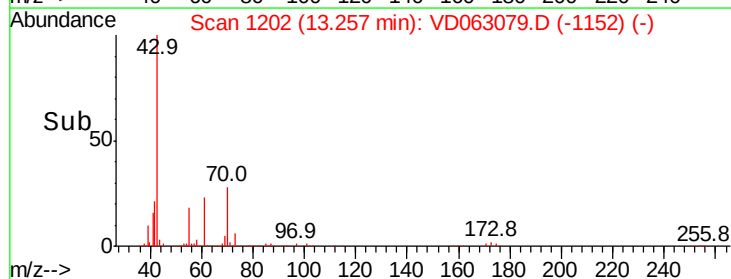
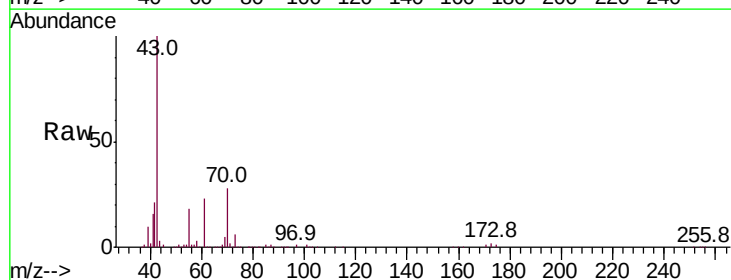
Ion Ratio Lower Upper

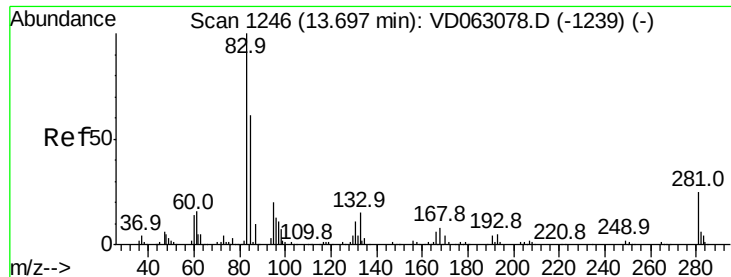
43 100

70 27.6 25.5 38.3

55 18.4 15.4 23.0

61 22.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 98.461 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

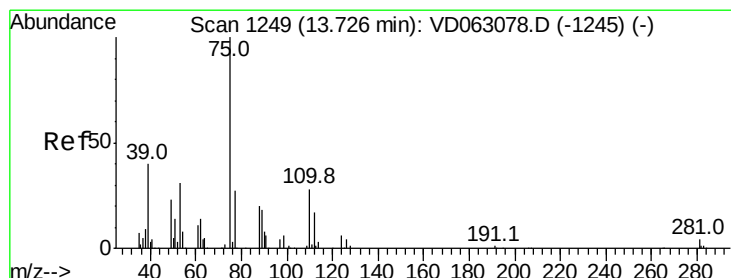
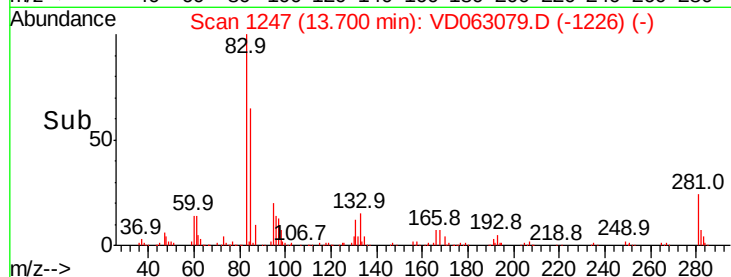
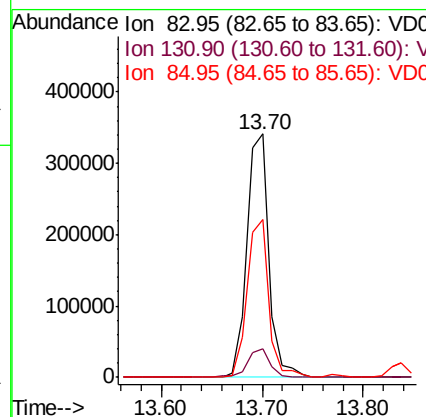
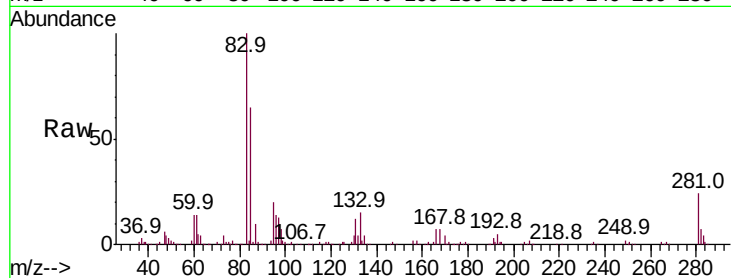
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	517341
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	64.7	30.7	92.1

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#76

1,2,3-Trichloropropane

Concen: 95.139 ug/l

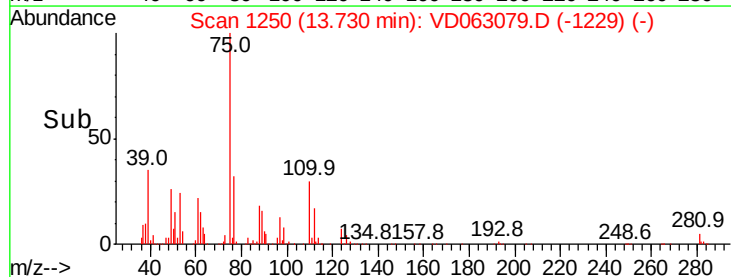
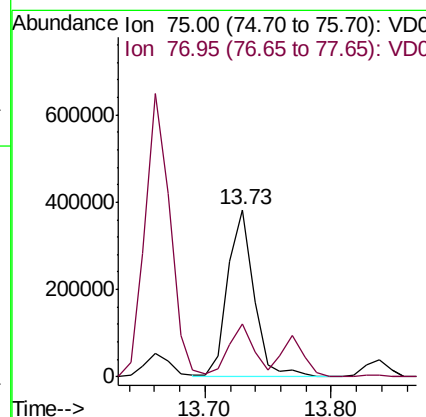
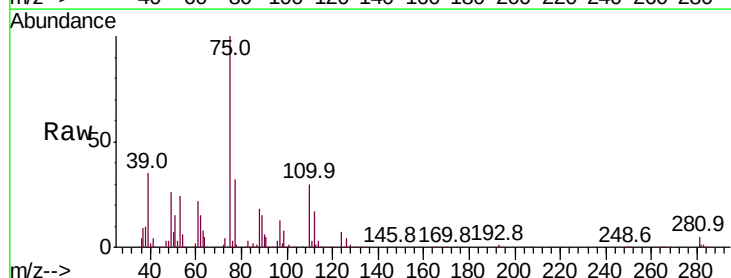
RT: 13.73 min Scan# 1250

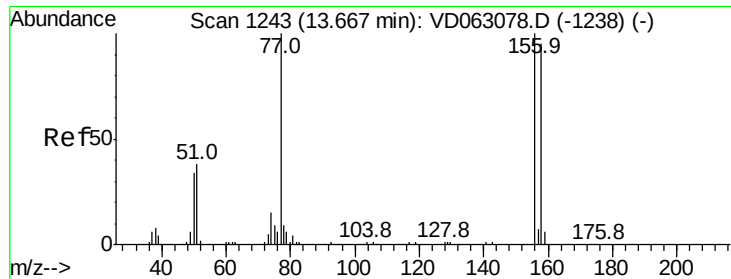
Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	75	Resp:	549153
Ion Ratio	Lower	Upper	
75	100		
77	31.8	16.3	48.8





#77

Bromobenzene

Concen: 85.683 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

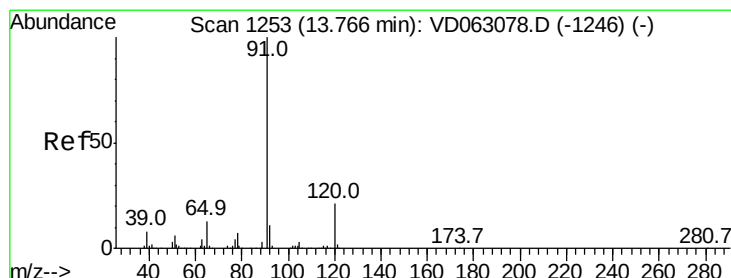
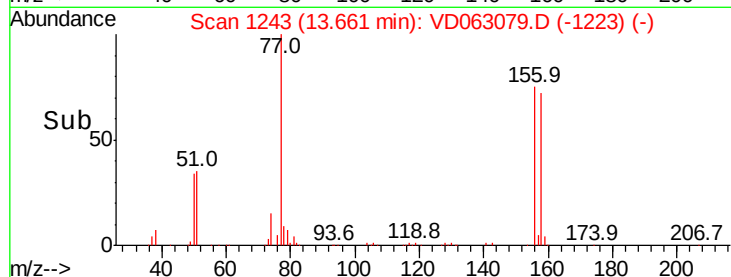
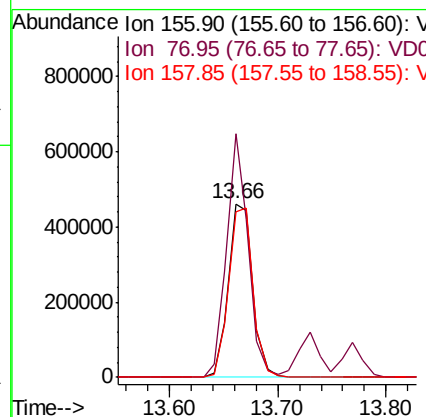
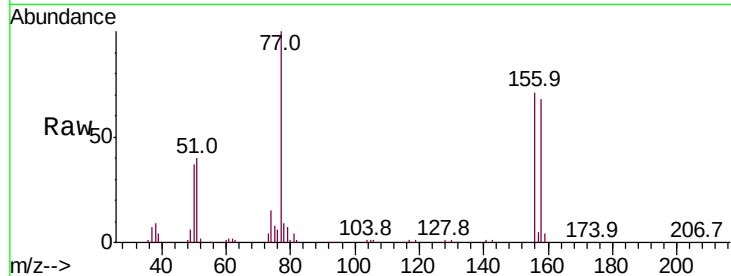
ClientSampleId :

VSTDIC075

Tot Ion:	156	Resp:	720250
Ion Ratio	Lower	Upper	
156	100		
77	140.2	50.2	150.7
158	95.1	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 77.084 ug/l

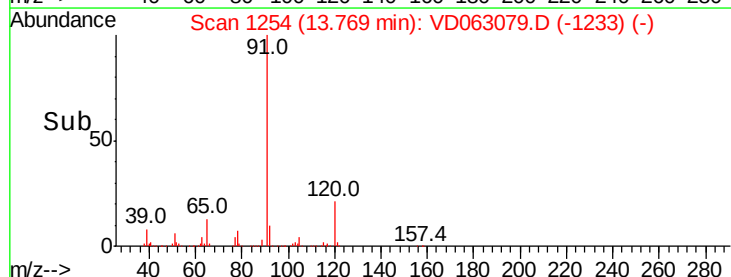
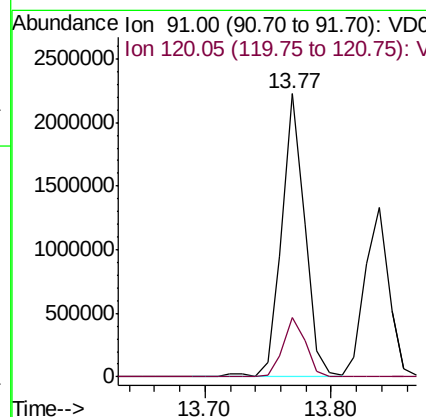
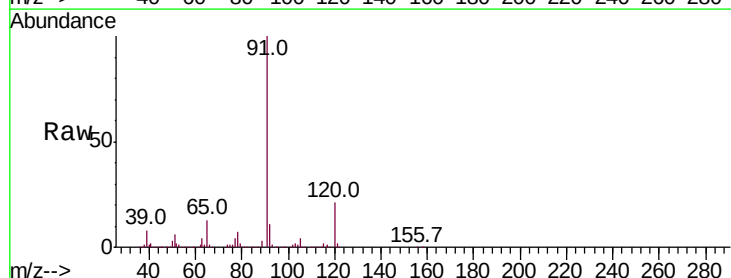
RT: 13.77 min Scan# 1254

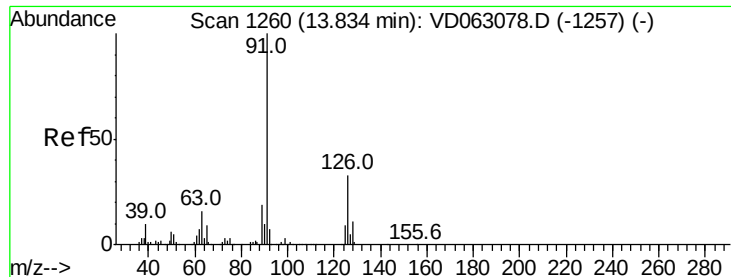
Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Tgt Ion:	91	Resp:	2826508
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.5	31.6





#79

2-Chlorotoluene

Concen: 83.933 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 1751929

Ion Ratio Lower Upper

91 100

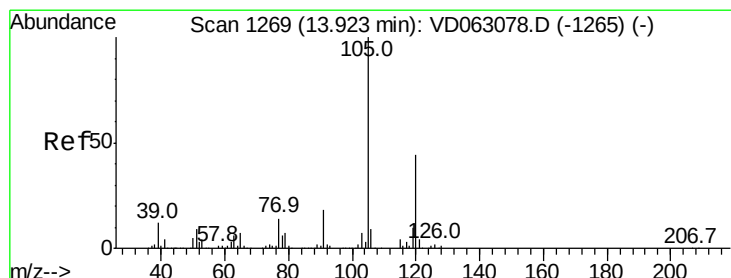
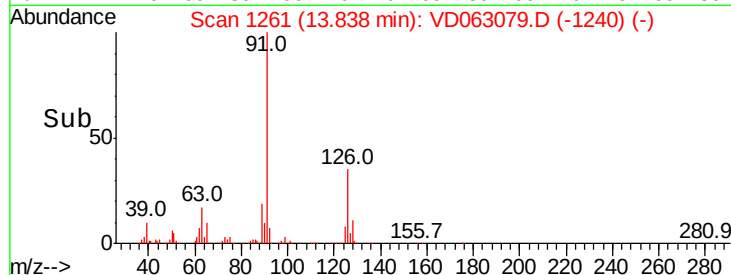
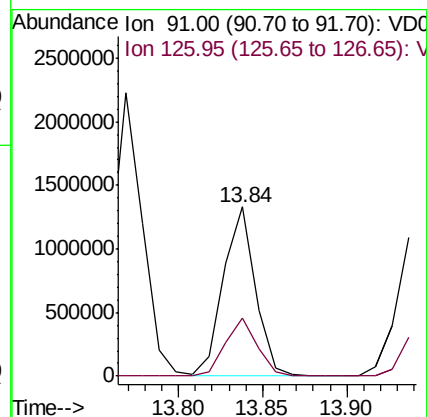
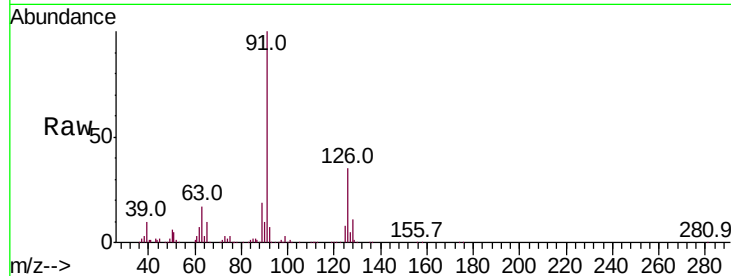
126 34.7 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 78.675 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063079.D

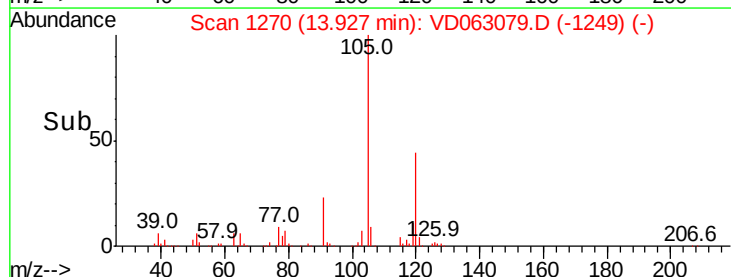
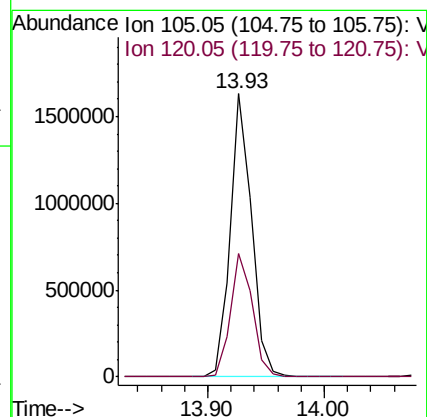
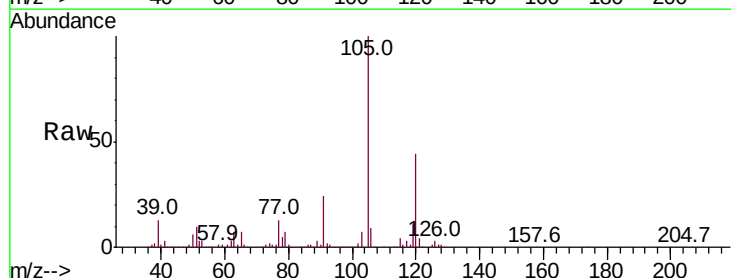
Acq: 15 Jul 2019 12:50

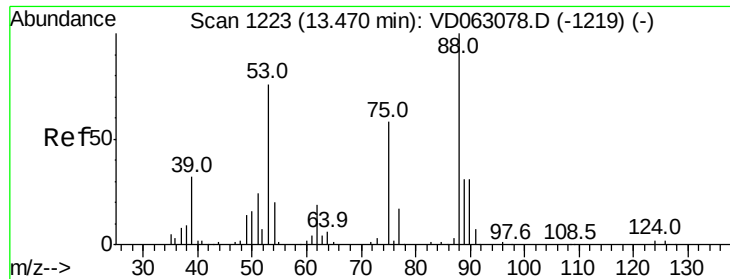
Tgt Ion: 105 Resp: 2066376

Ion Ratio Lower Upper

105 100

120 43.7 21.8 65.4





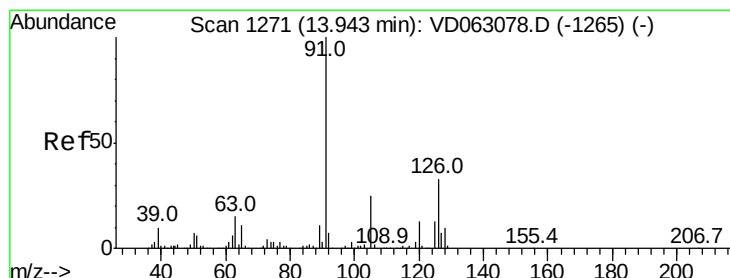
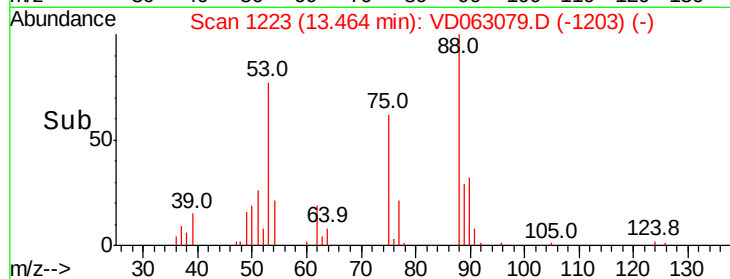
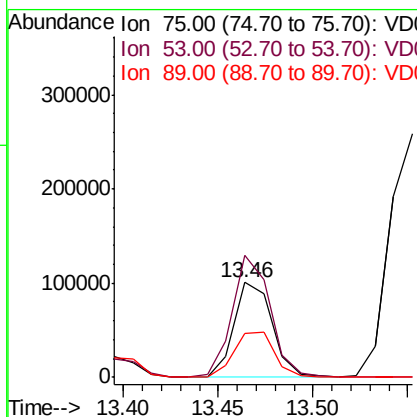
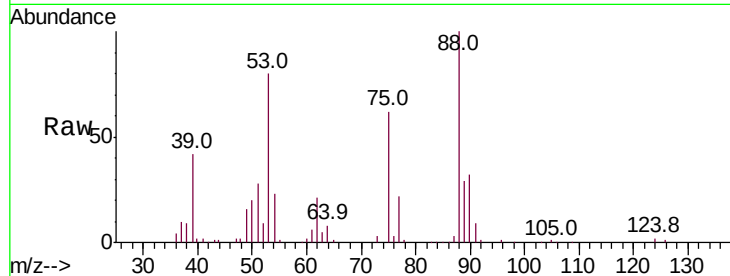
#81
trans-1,4-Dichloro-2-butene
Concen: 93.367 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.7	104.4	156.6
89	46.6	43.1	64.7

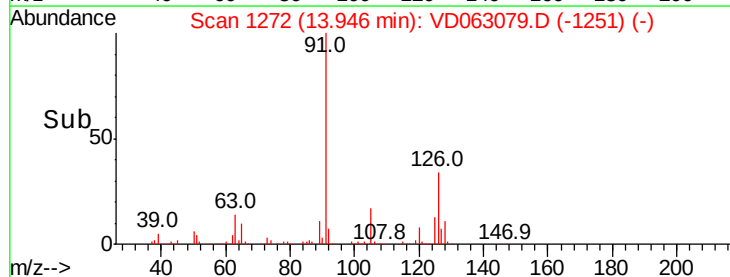
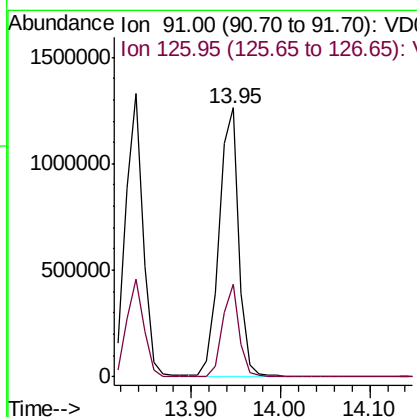
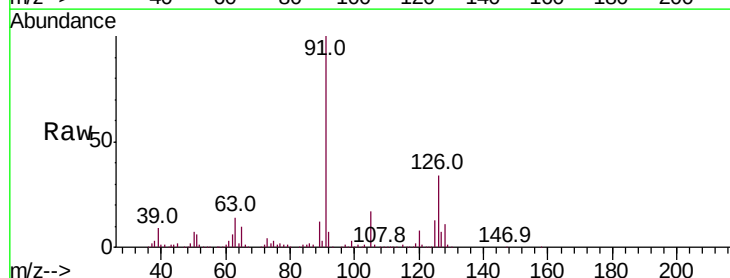
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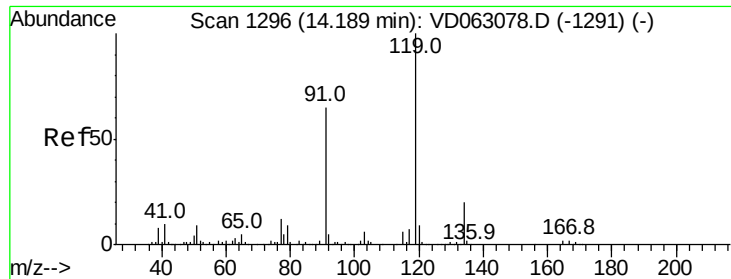
MMDadoda
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#82
4-Chlorotoluene
Concen: 77.803 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.7	50.1





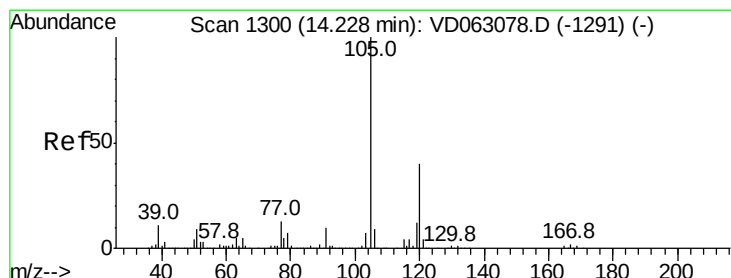
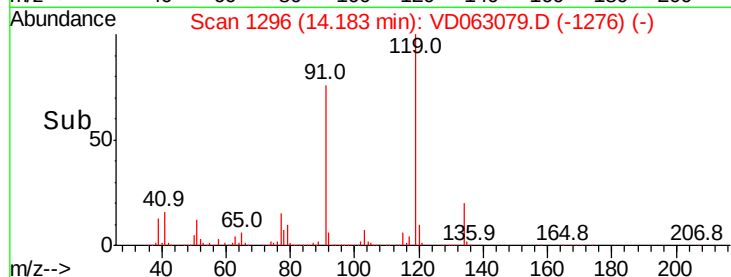
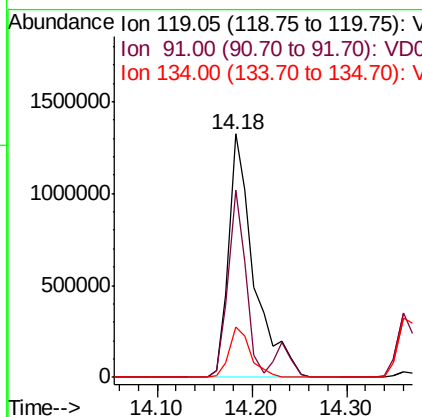
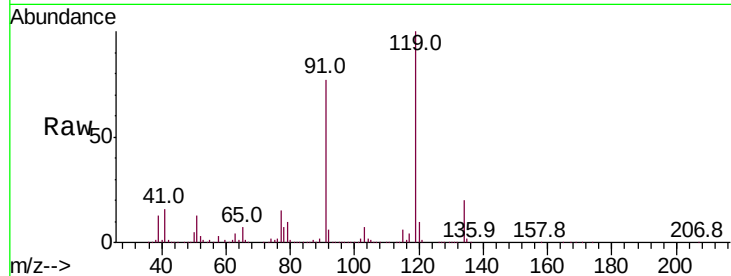
#83
tert-Butylbenzene
Concen: 83.565 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:119 Resp: 2462605
Ion Ratio Lower Upper
119 100
91 77.0 32.4 97.2
134 20.4 10.2 30.6

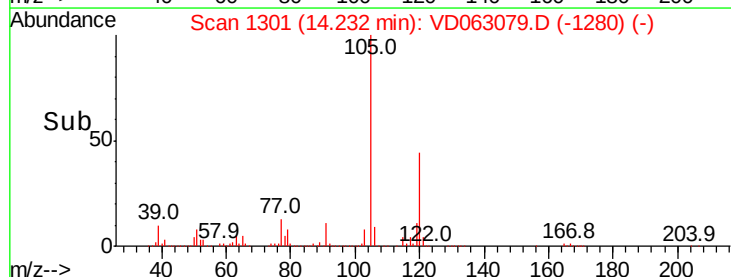
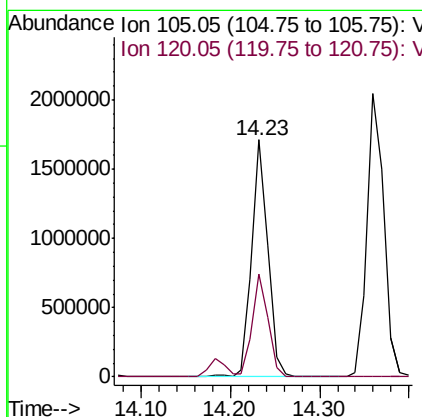
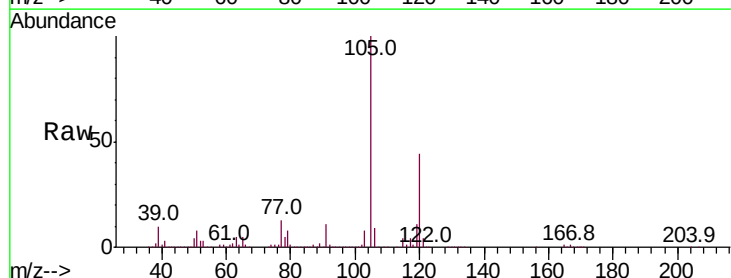
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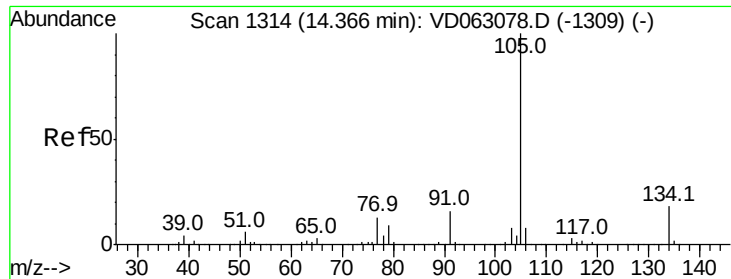
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#84
1,2,4-Trimethylbenzene
Concen: 79.987 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion:105 Resp: 2138246
Ion Ratio Lower Upper
105 100
120 43.6 20.2 60.6





#85

sec-Butylbenzene

Concen: 83.152 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 2654745

Ion Ratio Lower Upper

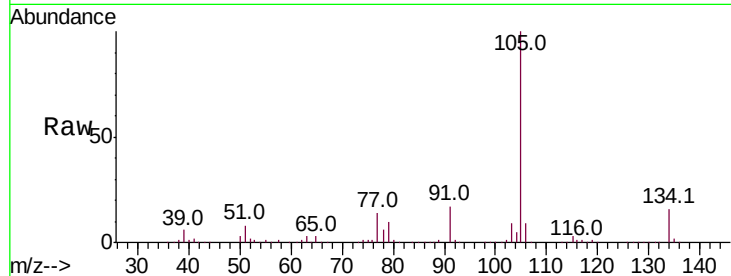
105 100

134 15.9 8.9 26.8

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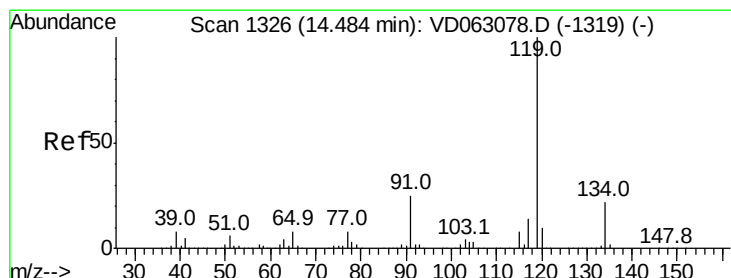
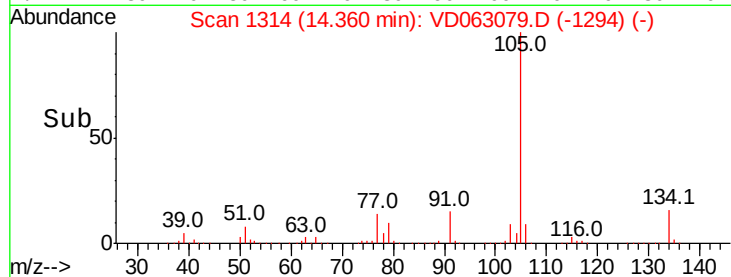
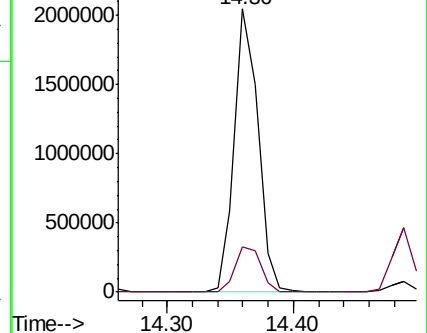
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 85.168 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063079.D

Acq: 15 Jul 2019 12:50

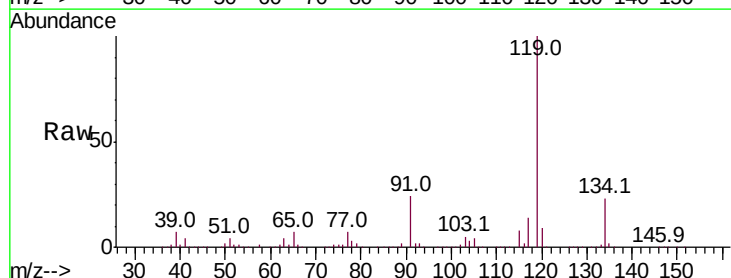
Tgt Ion:119 Resp: 2452524

Ion Ratio Lower Upper

119 100

134 23.1 10.8 32.4

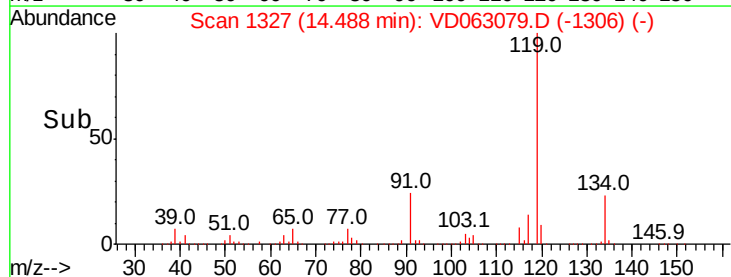
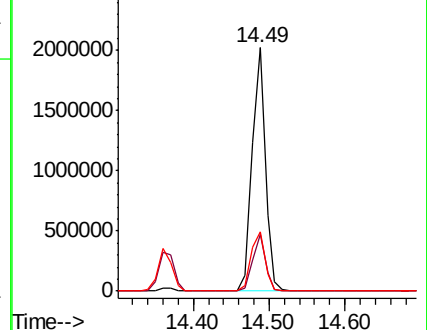
91 24.2 12.5 37.5

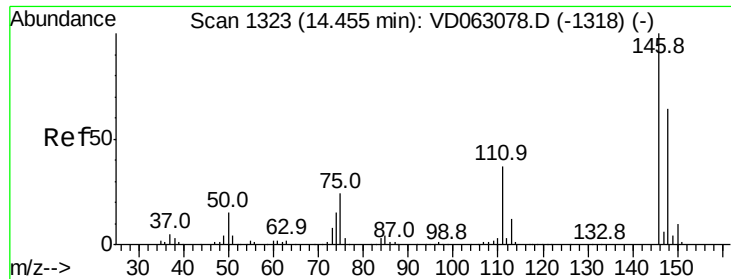


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





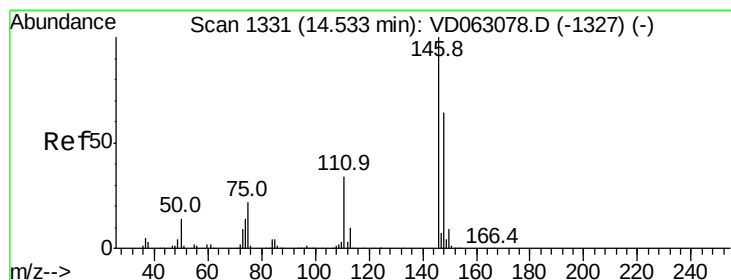
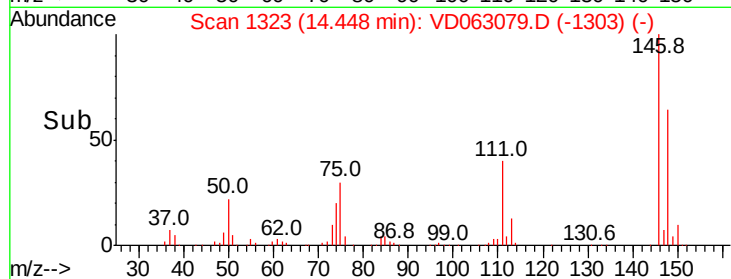
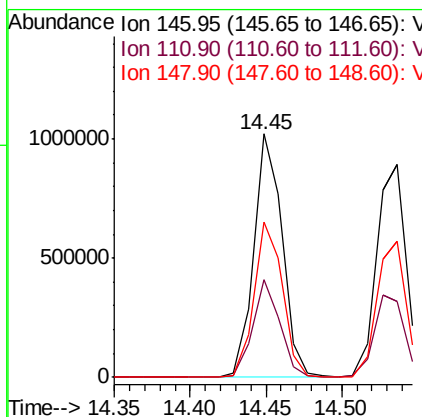
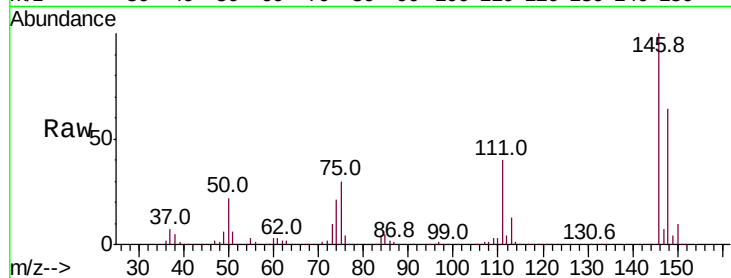
#87
 1,3-Dichlorobenzene
 Concen: 89.071 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1339278
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.6 55.6
 148 63.8 32.0 96.0

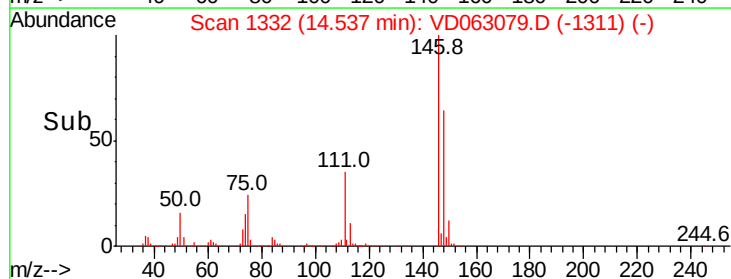
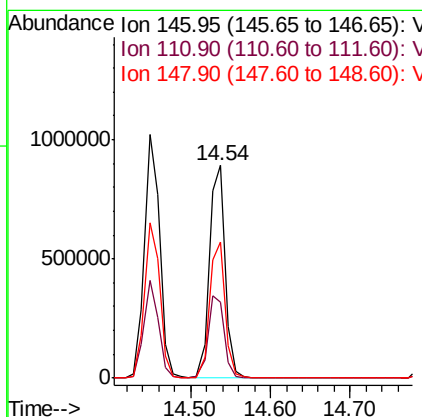
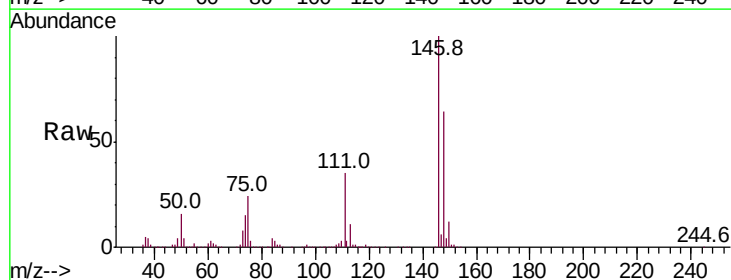
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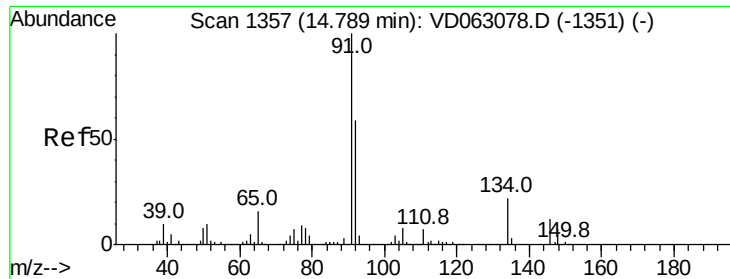
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#88
 1,4-Dichlorobenzene
 Concen: 82.360 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion:146 Resp: 1238965
 Ion Ratio Lower Upper
 146 100
 111 35.4 17.0 51.0
 148 64.1 32.0 96.2





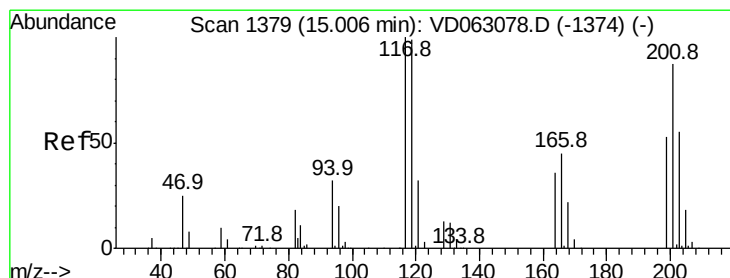
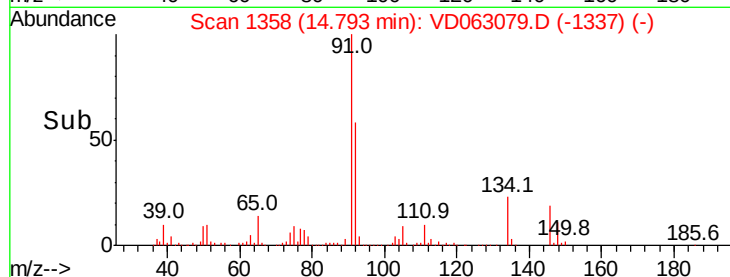
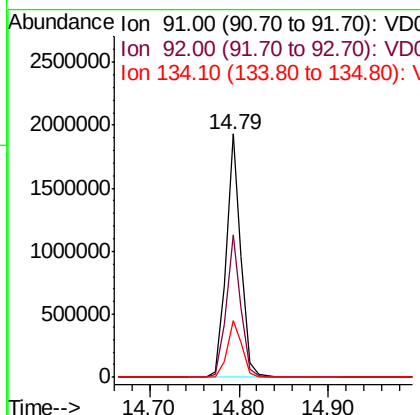
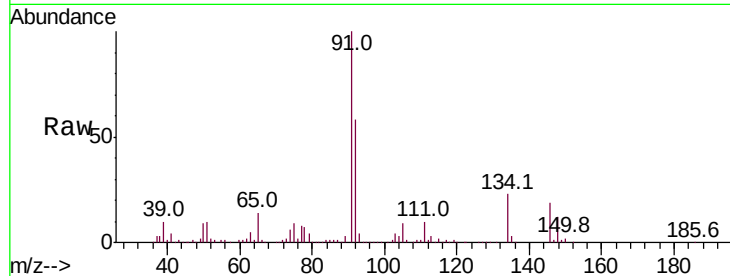
#89
n-Butylbenzene
Concen: 82.634 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 2257772
Ion Ratio Lower Upper
91 100
92 58.3 29.4 88.3
134 23.1 11.3 33.8

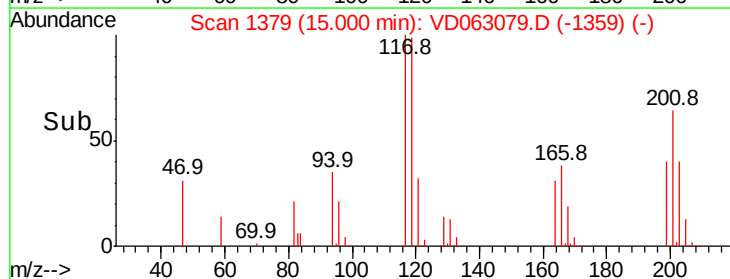
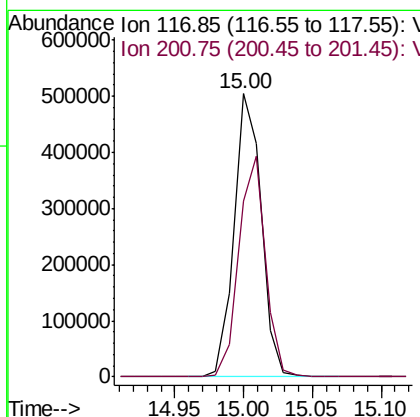
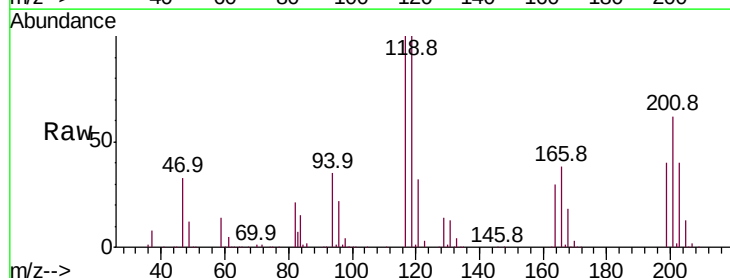
Manual Integrations
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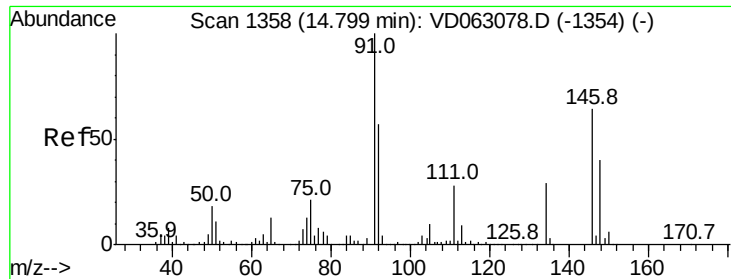
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#90
Hexachloroethane
Concen: 88.965 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion: 117 Resp: 696077
Ion Ratio Lower Upper
117 100
201 62.3 43.4 130.1





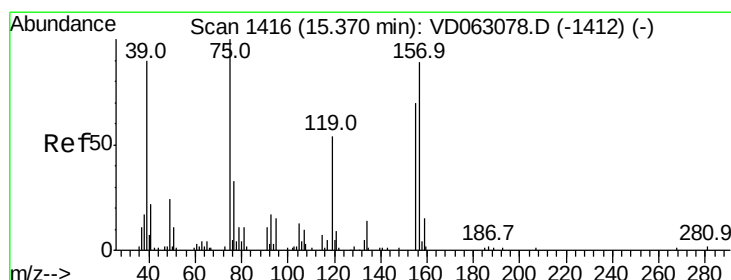
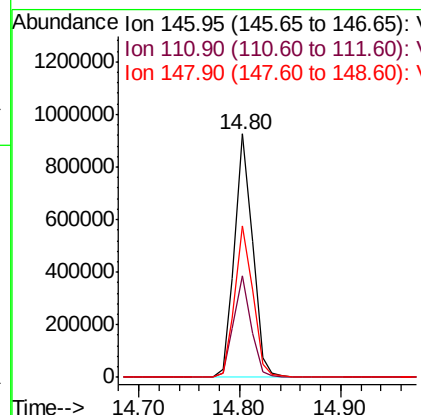
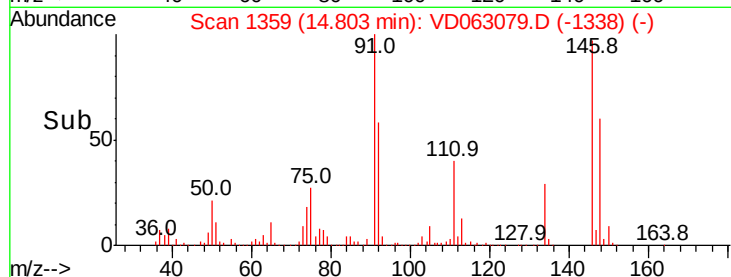
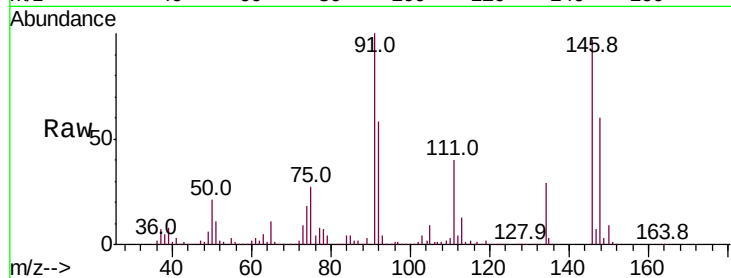
#91
 1,2-Dichlorobenzene
 Concen: 88.477 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 1155523
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.9 65.5
 148 62.3 31.5 94.5

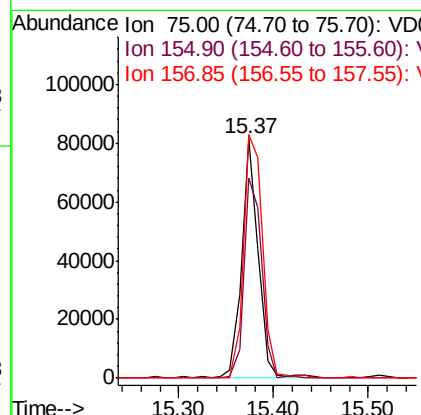
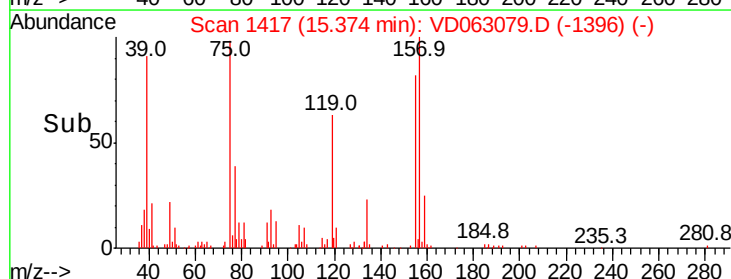
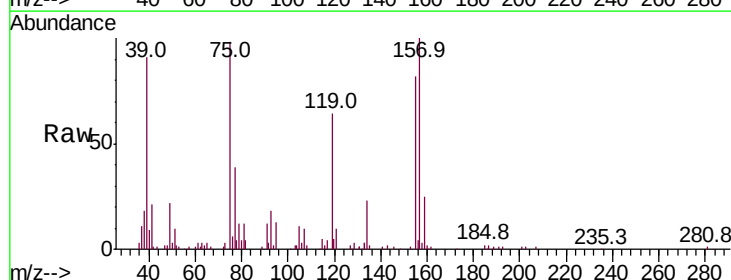
Manual Integrations
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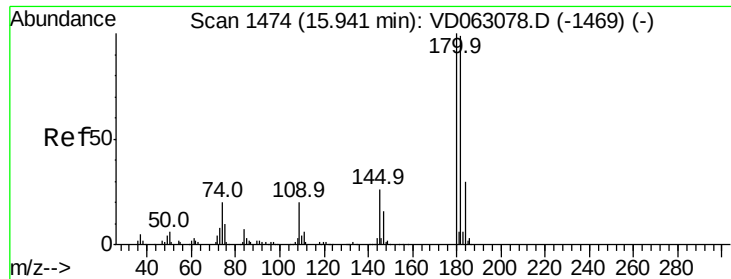
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.443 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion: 75 Resp: 99656
 Ion Ratio Lower Upper
 75 100
 155 83.4 34.8 104.3
 157 101.7 44.7 134.1





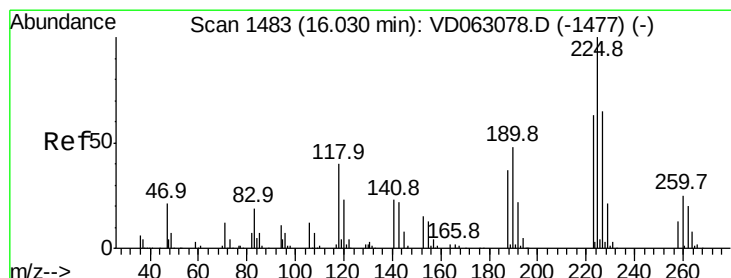
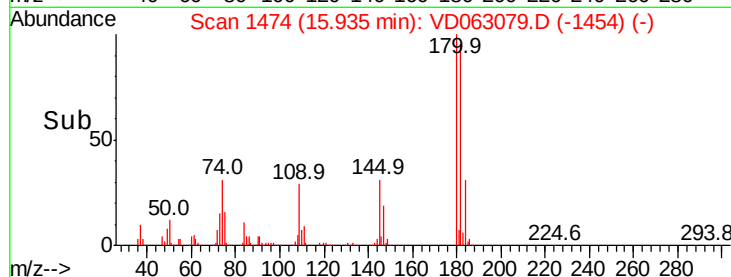
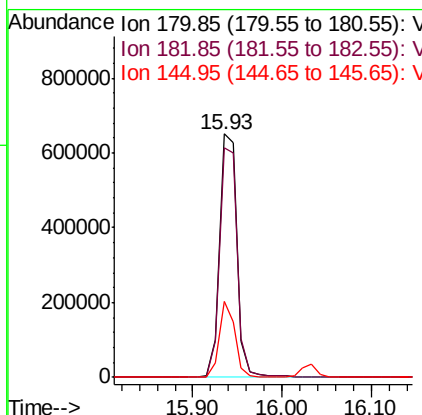
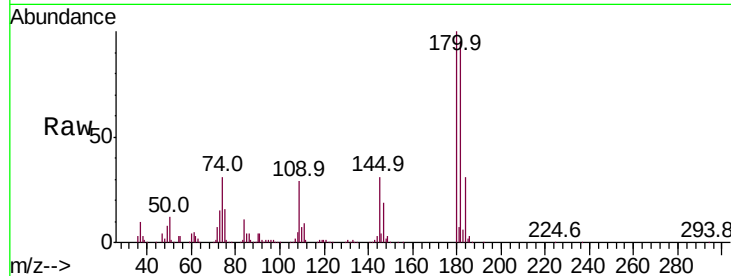
#93
 1,2,4-Trichlorobenzene
 Concen: 88.092 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	49.5	148.3
145	31.4	12.8	38.4

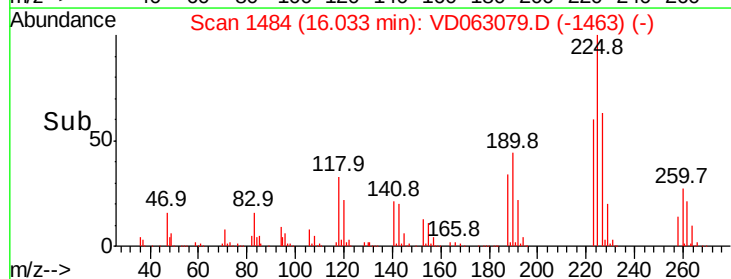
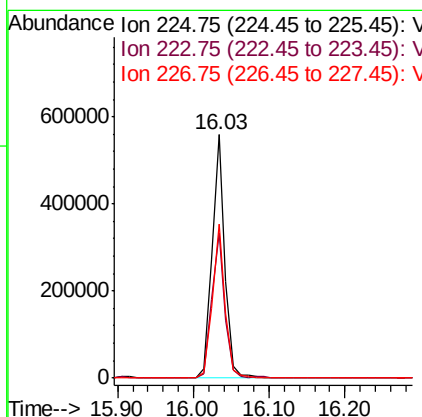
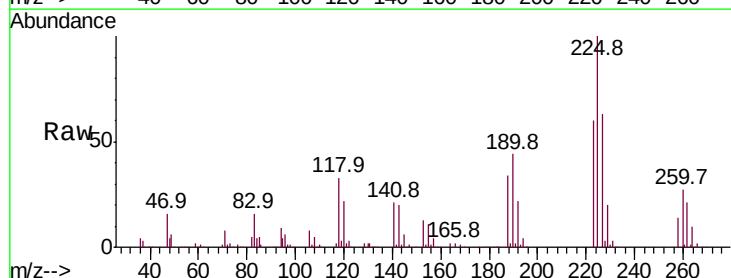
Manual Integrations
 APPROVED

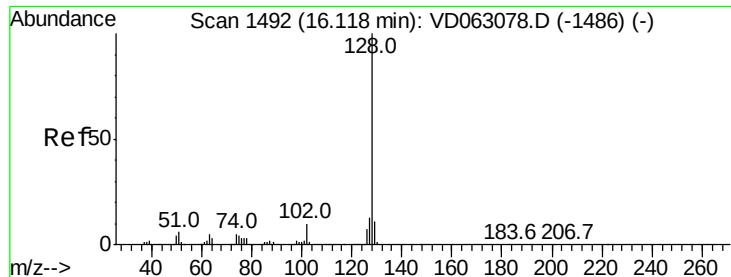
MMDadoda
 7/16/2019 9:15:06 AM



#94
 Hexachlorobutadiene
 Concen: 86.105 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD063079.D
 Acq: 15 Jul 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.4	94.2
227	63.4	32.6	97.8





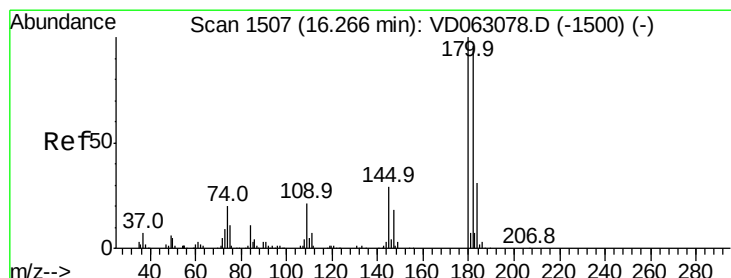
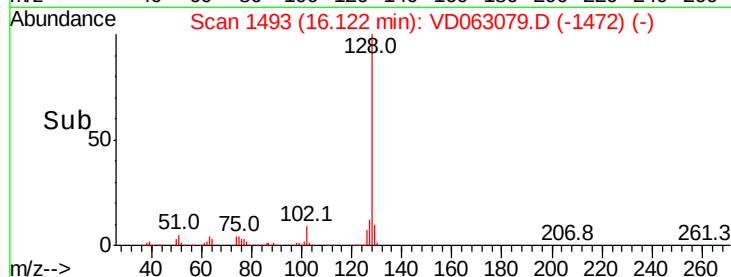
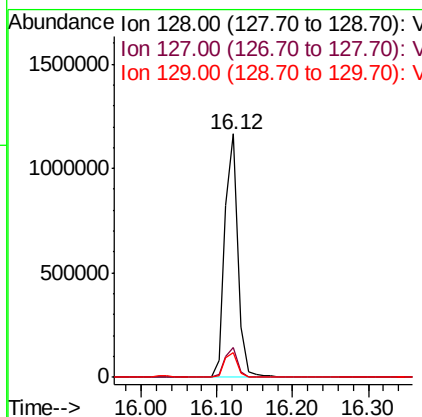
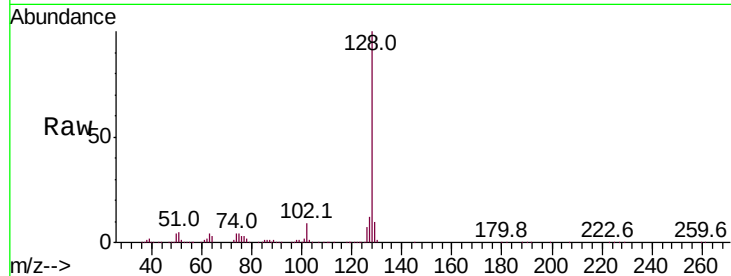
#95
Naphthalene
Concen: 99.735 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 1415659
Ion Ratio Lower Upper
128 100
127 12.2 10.7 16.1
129 10.2 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:15:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 92.153 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD063079.D
Acq: 15 Jul 2019 12:50

Tgt Ion:180 Resp: 732646
Ion Ratio Lower Upper
180 100
182 98.2 47.9 143.6
145 26.6 14.4 43.4

