

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061278.D
 Acq On : 23 Mar 2019 14:06
 Operator : VA/AP
 Sample : VD0323SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 2:40:38 PM

Quant Time: Mar 25 07:06:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	574417	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	974041	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	791492	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	310445	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	266795	55.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	111.60%	
35) Dibromofluoromethane	6.94	113	409015	56.58	ug/l	0.02
Spiked Amount	50.000		Recovery	=	113.16%	
50) Toluene-d8	10.42	98	928661	51.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	13.56	95	365891	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.60	85	130218	22.886	ug/l	100
3) Chloromethane	1.78	50	100385	21.179	ug/l	92
4) Vinyl Chloride	1.86	62	103415	23.612	ug/l	97
5) Bromomethane	2.17	94	17935	20.321	ug/l	83
6) Chloroethane	2.28	64	29969	22.860	ug/l #	82
7) Trichlorofluoromethane	2.54	101	156042	24.801	ug/l	94
8) Diethyl Ether	2.90	74	49300	23.752	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.17	101	168555	23.962	ug/l	98
10) Methyl Iodide	3.33	142	206495	22.999	ug/l	97
11) Tert butyl alcohol	4.10	59	35616	117.008	ug/l	97
12) 1,1-Dichloroethene	3.14	96	134906	23.397	ug/l	94
13) Acrolein	3.06	56	23014	52.254	ug/l	94
14) Allyl chloride	3.65	41	210407	22.807	ug/l	97
15) Acrylonitrile	4.22	53	123523	114.818	ug/l	94
16) Acetone	3.24	43	167979	122.857	ug/l	98
17) Carbon Disulfide	3.40	76	386977	19.896	ug/l	99
18) Methyl Acetate	3.67	43	60665	22.546	ug/l #	87
19) Methyl tert-butyl Ether	4.26	73	234044	23.161	ug/l	96
20) Methylene Chloride	3.84	84	158976	22.980	ug/l	94
21) trans-1,2-Dichloroethene	4.25	96	143239	22.952	ug/l	96
22) Diisopropyl ether	5.14	45	437154	22.826	ug/l	95
23) Vinyl Acetate	5.08	43	1119952	113.918	ug/l	98
24) 1,1-Dichloroethane	5.01	63	244198	23.272	ug/l	99
25) 2-Butanone	6.09	43	183435	118.232	ug/l	97
26) 2,2-Dichloropropane	6.05	77	186983	22.827	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	151333	22.855	ug/l	97
28) Bromochloromethane	6.46	49	93855	21.128	ug/l	93
29) Tetrahydrofuran	6.47	42	91690	108.837	ug/l	96
30) Chloroform	6.69	83	257437	23.672	ug/l	99
31) Cyclohexane	6.97	56	181681	21.473	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	213744	22.734	ug/l	100
36) 1,1-Dichloropropene	7.17	75	185667	22.113	ug/l	98
37) Ethyl Acetate	6.21	43	85660	21.741	ug/l #	95
38) Carbon Tetrachloride	7.13	117	265061m	28.660	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	188429	21.643	ug/l	98
40) Benzene	7.48	78	491950	23.449	ug/l	99
41) Methacrylonitrile	6.46	41	102338	22.582	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	145304	23.866	ug/l	95
43) Isopropyl Acetate	9.26	43	120606	22.101	ug/l #	95
44) Trichloroethene	8.56	130	179532	24.805	ug/l	99
45) 1,2-Dichloropropane	8.95	63	119322	21.648	ug/l	99
46) Dibromomethane	9.08	93	82082	23.477	ug/l	96
47) Bromodichloromethane	9.39	83	188169	23.850	ug/l	95
48) Methyl methacrylate	9.13	41	67911	22.103	ug/l	96
49) 1,4-Dioxane	9.10	88	15321	493.135	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	371258	111.051	ug/l	99
52) Toluene	10.53	92	309128	23.695	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	163609	22.678	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	218225	25.176	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	104216	23.988	ug/l	96
56) Ethyl methacrylate	11.06	69	106071	23.325	ug/l	95
57) 1,3-Dichloropropane	11.42	76	154463	23.791	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	266958	110.904	ug/l	99
59) 2-Hexanone	11.54	43	305566	124.952	ug/l	99
60) Dibromochloromethane	11.70	129	163710	25.604	ug/l	100
61) 1,2-Dibromoethane	11.82	107	116921	23.134	ug/l	93
64) Tetrachloroethene	11.27	164	131906	24.688	ug/l	98
65) Chlorobenzene	12.41	112	393135	25.336	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	148870	26.916	ug/l	99
67) Ethyl Benzene	12.54	91	587736	25.443	ug/l	99
68) m/p-Xylenes	12.67	106	454558	50.135	ug/l	94
69) o-Xylene	13.06	106	228097	25.594	ug/l	100
70) Styrene	13.08	104	361018	24.807	ug/l	99
71) Bromoform	13.24	173	88653	24.846	ug/l	98
73) Isopropylbenzene	13.41	105	585984	26.192	ug/l	99
74) N-amyl acetate	13.27	43	157957	25.074	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	110901	25.406	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	124863	27.957	ug/l	98
77) Bromobenzene	13.68	156	162713	28.490	ug/l	97
78) n-propylbenzene	13.78	91	714194	27.268	ug/l	99
79) 2-Chlorotoluene	13.84	91	402103	27.885	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	502200	29.567	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	33727	25.614	ug/l	98
82) 4-Chlorotoluene	13.95	91	438885	25.746	ug/l	100
83) tert-Butylbenzene	14.20	119	595741	32.050	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	502200	29.567	ug/l	98
85) sec-Butylbenzene	14.38	105	625464	27.563	ug/l	99
86) p-Isopropyltoluene	14.49	119	497784	26.837	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	268280	26.307	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	254201	25.365	ug/l	100
89) n-Butylbenzene	14.80	91	458693	25.751	ug/l	97
90) Hexachloroethane	15.02	117	138244	26.394	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	242721	28.549	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12973	24.663	ug/l	89

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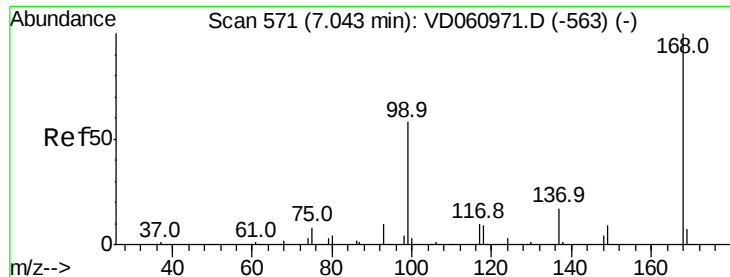
Manual Integrations
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3/26/2019 2:40:38 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	99098	25.126	ug/l	99
94) Hexachlorobutadiene	16.04	225	83247	27.905	ug/l	97
95) Naphthalene	16.13	128	178380	29.763	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	54008	27.726	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion:168 Resp: 574417

Ion Ratio Lower Upper

168 100

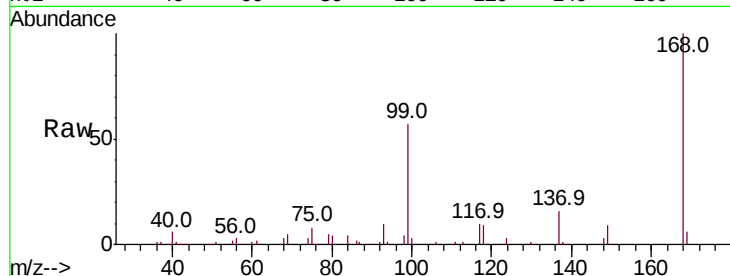
99 57.1 47.3 70.9

Manual Integrations

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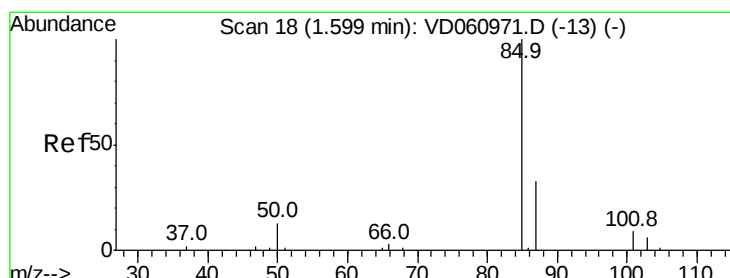
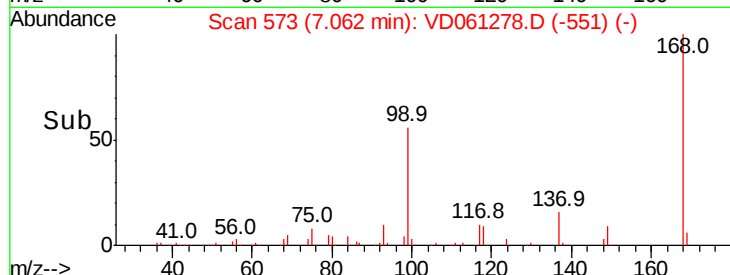
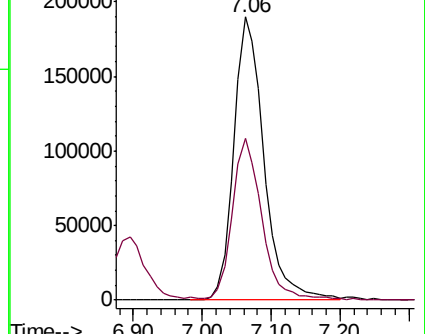
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.886 ug/l

RT: 1.60 min Scan# 18

Delta R.T. -0.00 min

Lab File: VD061278.D

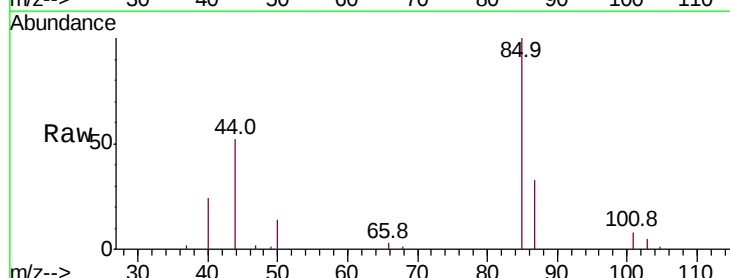
Acq: 23 Mar 2019 14:06

Tgt Ion: 85 Resp: 130218

Ion Ratio Lower Upper

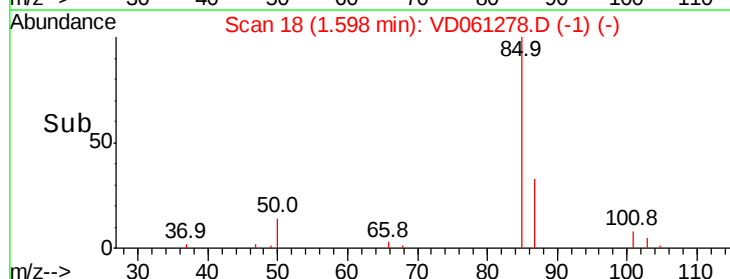
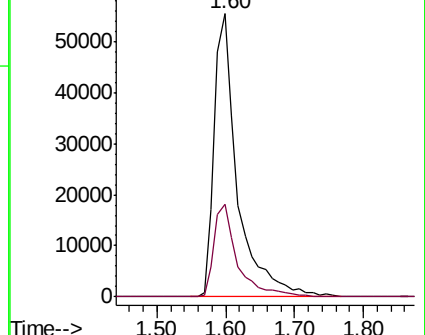
85 100

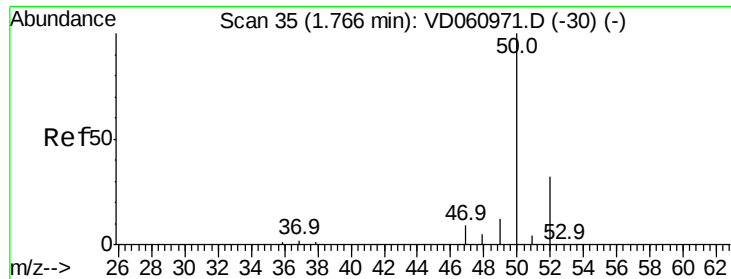
87 32.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.179 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 50 Resp: 100385

Ion Ratio Lower Upper

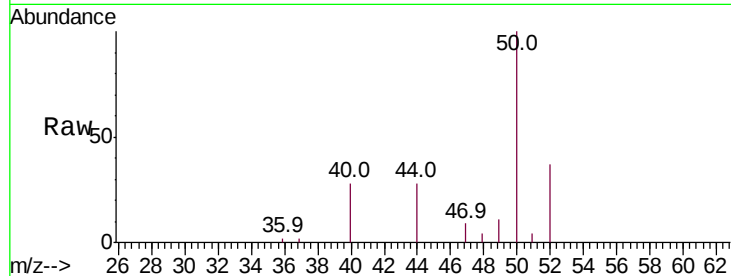
50 100

52 36.5 25.8 38.8

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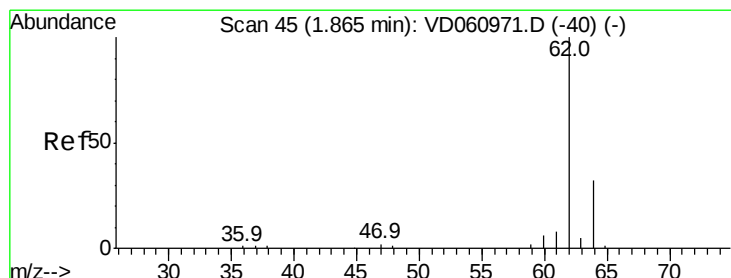
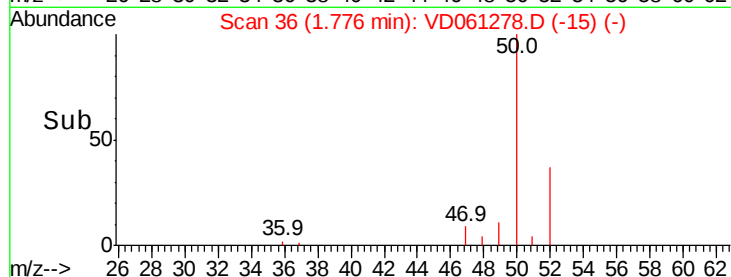
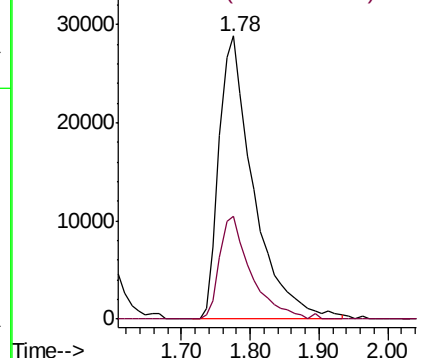
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.612 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061278.D

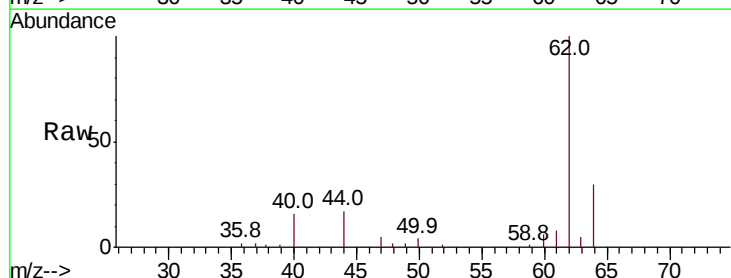
Acq: 23 Mar 2019 14:06

Tgt Ion: 62 Resp: 103415

Ion Ratio Lower Upper

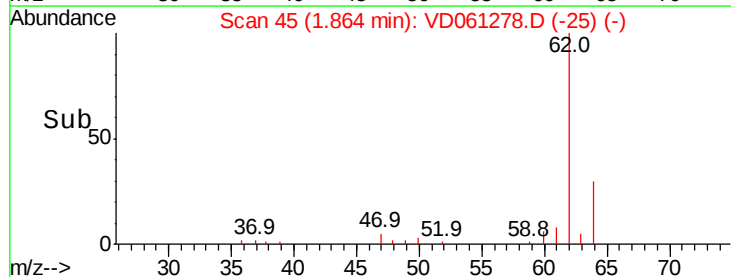
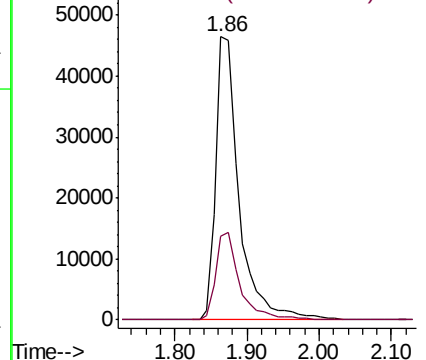
62 100

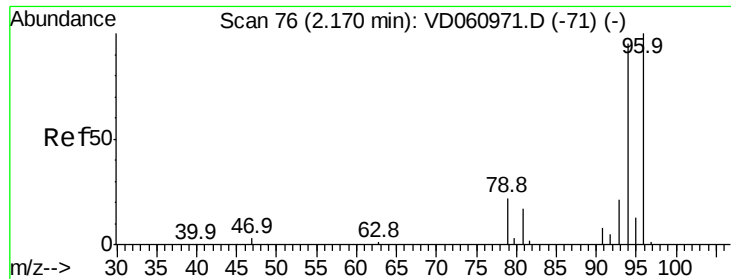
64 29.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.321 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

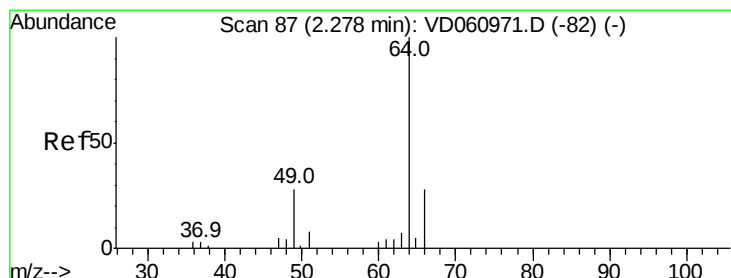
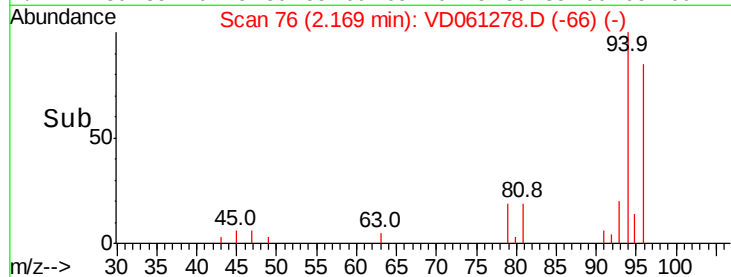
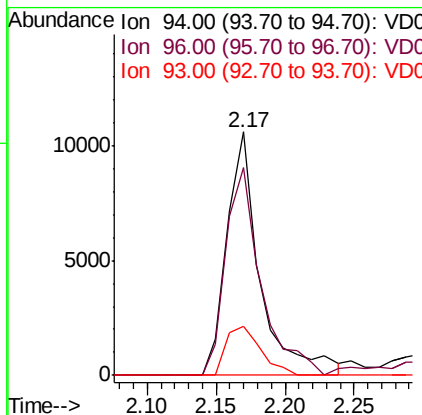
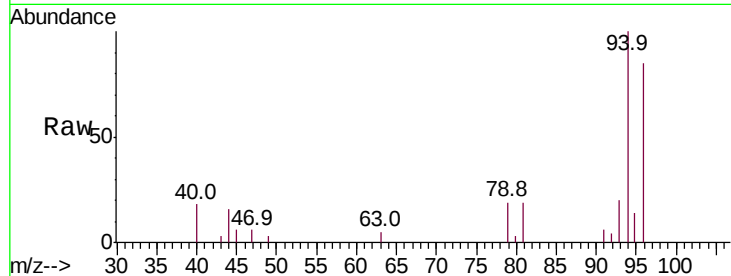
ClientSampleId :

VD0323SBS01

Tot Ion:	94	Resp:	17935
Ion	Ratio	Lower	Upper
94	100		
96	85.2	84.0	126.0
93	20.2	17.3	25.9

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#6

Chloroethane

Concen: 22.860 ug/l

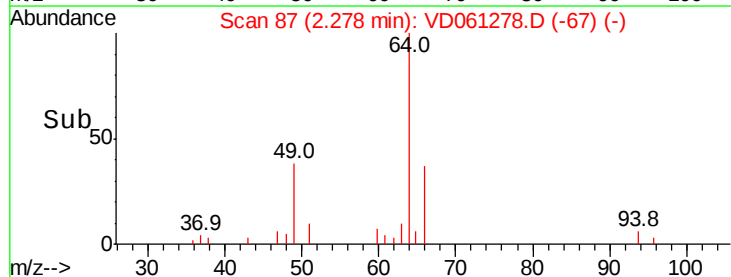
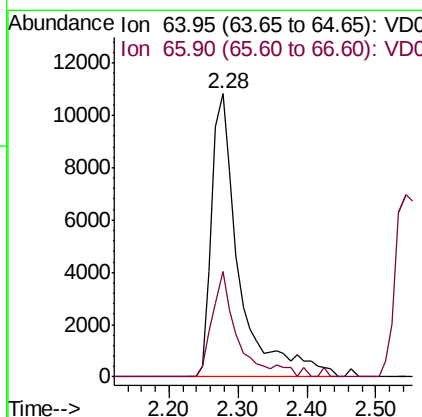
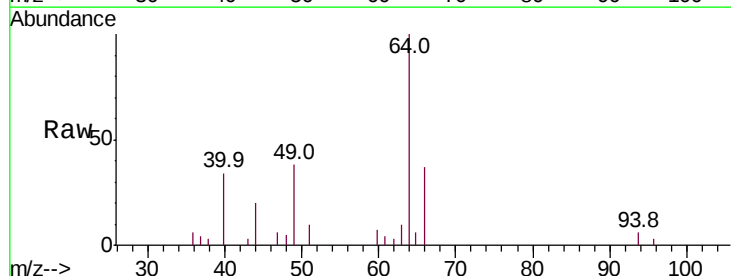
RT: 2.28 min Scan# 87

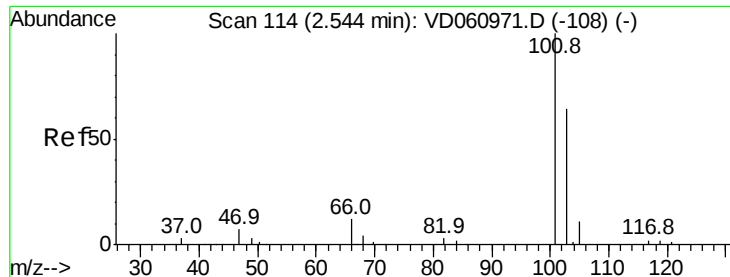
Delta R.T. -0.00 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion:	64	Resp:	29969
Ion	Ratio	Lower	Upper
64	100		
66	37.1	22.2	33.2#





#7

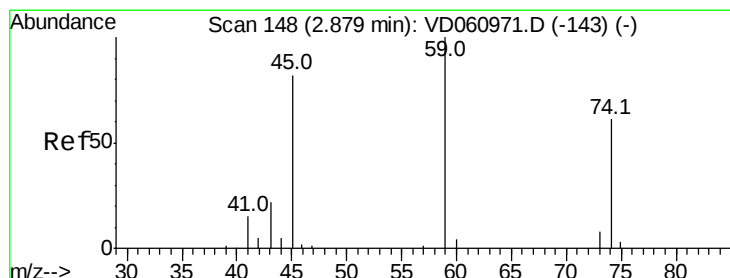
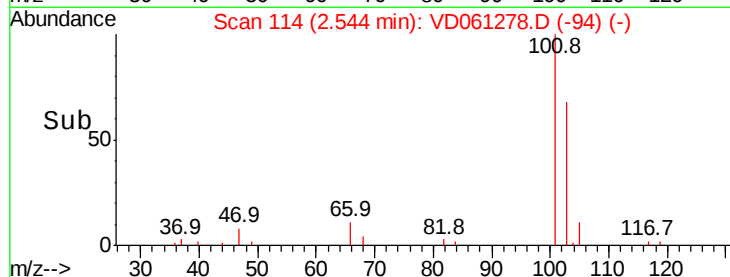
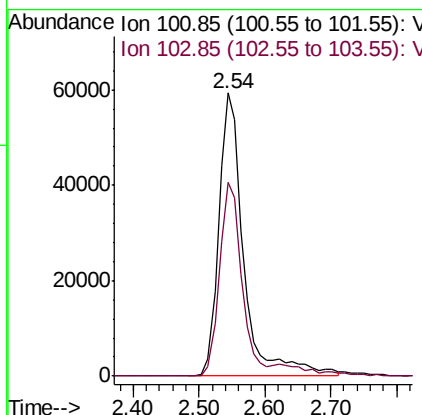
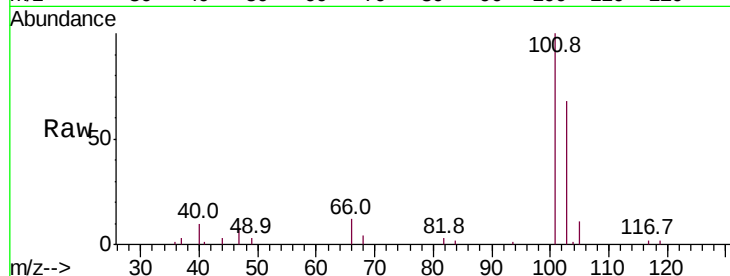
Trichlorofluoromethane
 Concen: 24.801 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
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 ClientSampleId :
 VD0323SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	51.2	76.8

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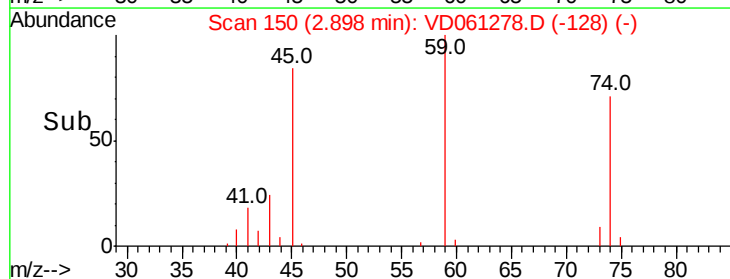
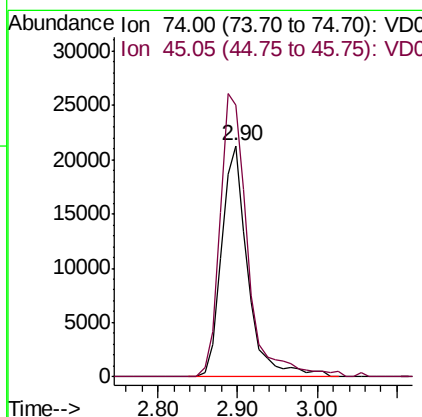
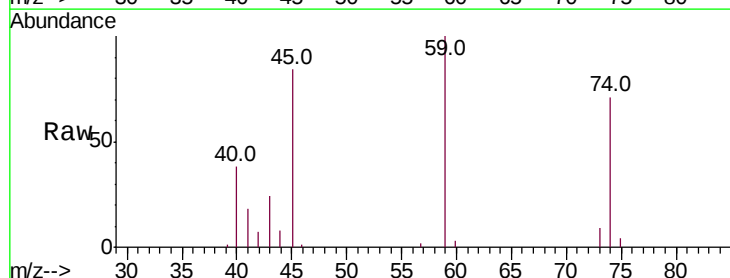
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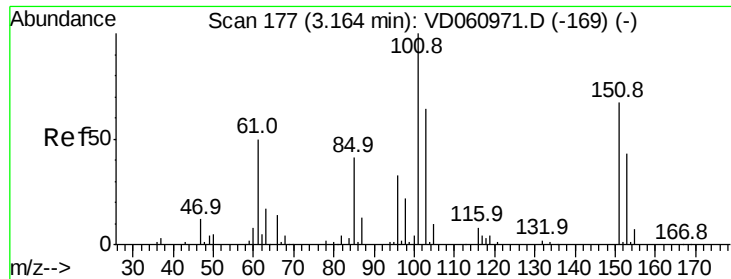


#8

Diethyl Ether
 Concen: 23.752 ug/l
 RT: 2.90 min Scan# 150
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.8	67.0	201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.962 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

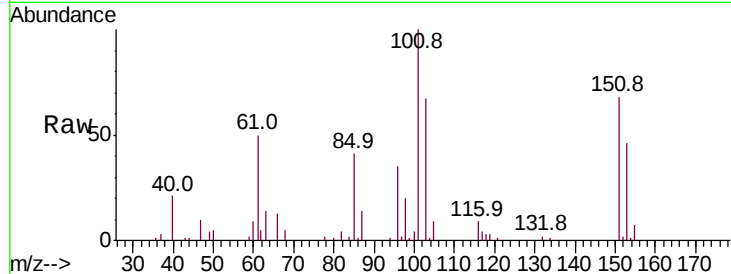
ClientSampleId :

VD0323SBS01

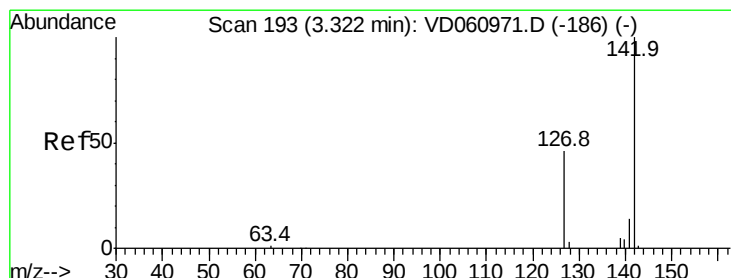
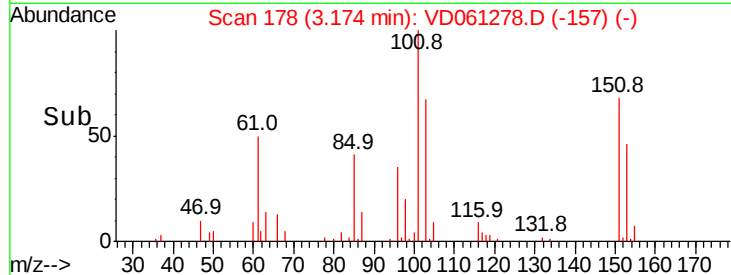
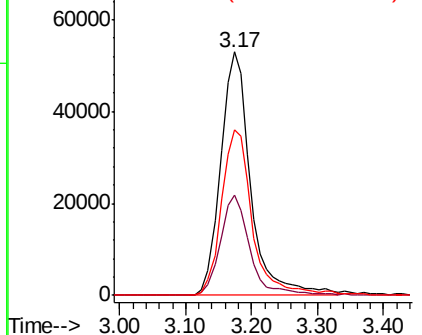
Tot Ion:	101	Resp:	168555
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.5	48.7
151	68.0	53.3	79.9

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



#10

Methyl Iodide

Concen: 22.999 ug/l

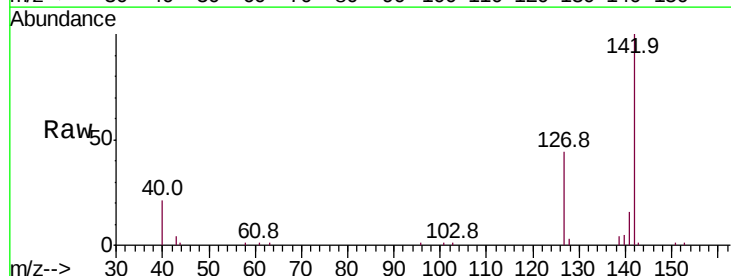
RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

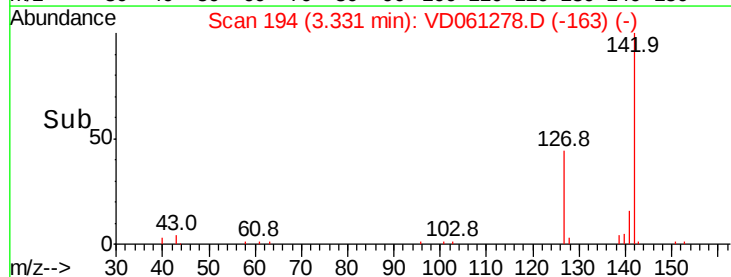
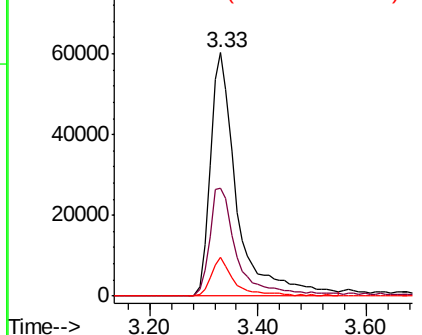
Lab File: VD061278.D

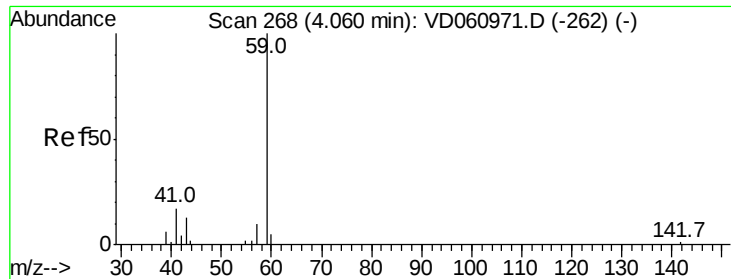
Acq: 23 Mar 2019 14:06

Tgt Ion:	142	Resp:	206495
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.8	55.2
141	15.9	11.2	16.8



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





#11

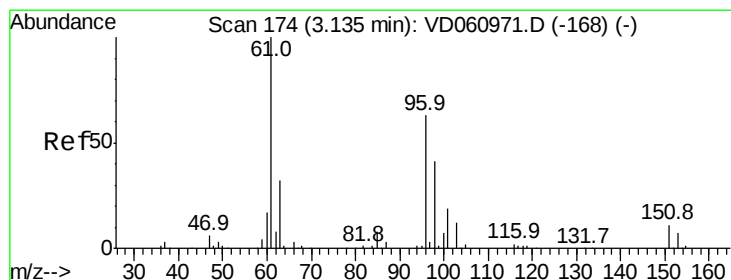
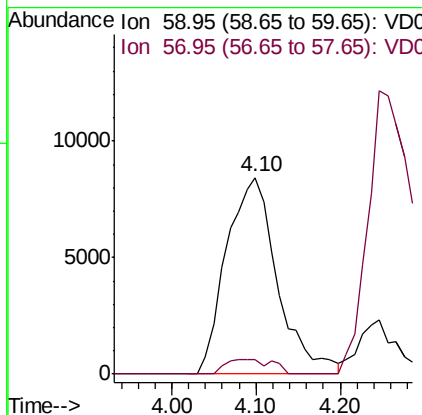
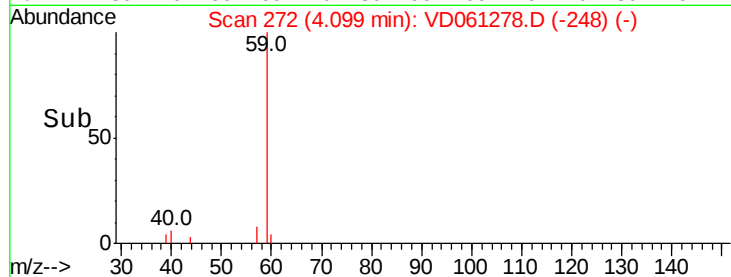
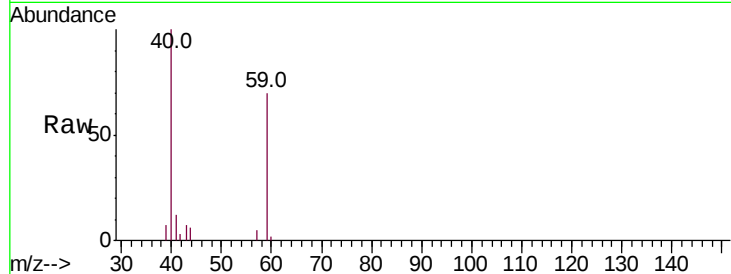
Tert butyl alcohol
Concen: 117.008 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.04 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.7	7.1	10.7

Manual Integrations
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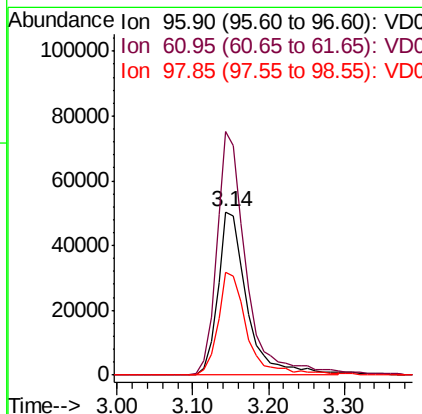
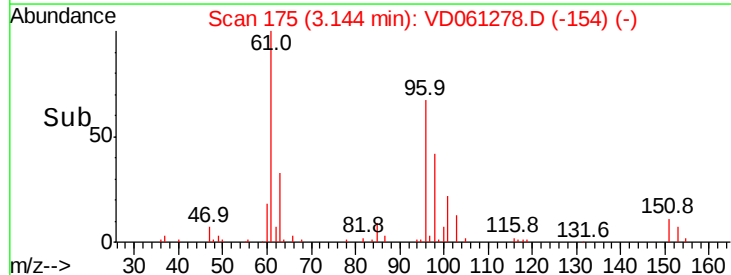
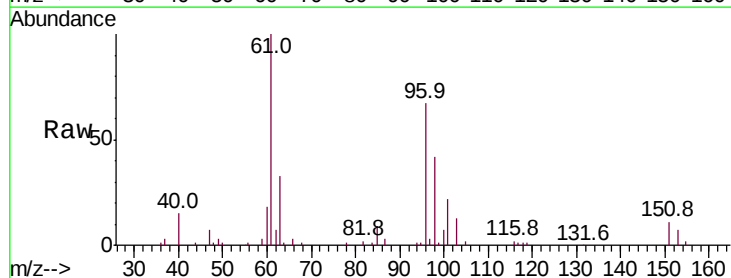
MMDadoda
3/26/2019 2:40:38 PM

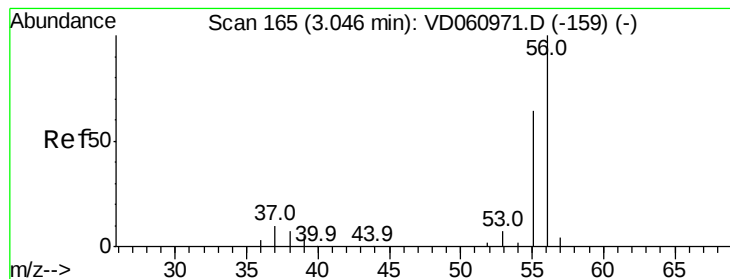


#12

1,1-Dichloroethene
Concen: 23.397 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	127.1	190.7
98	62.7	51.5	77.3





#13

Acrolein

Concen: 52.254 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleID :

VD0323SBS01

Tot Ion: 56 Resp: 23014

Ion Ratio Lower Upper

56 100

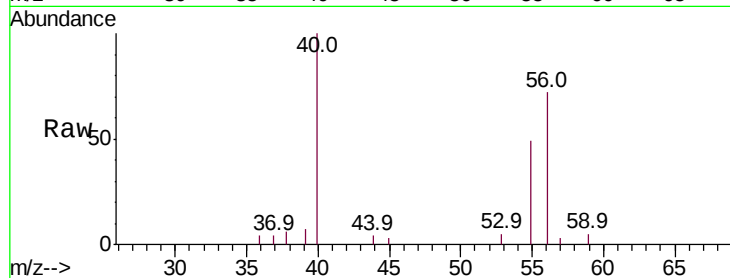
55 68.9 51.3 76.9

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

10000

8000

6000

4000

2000

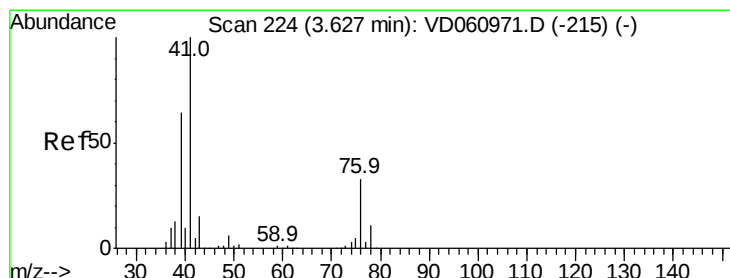
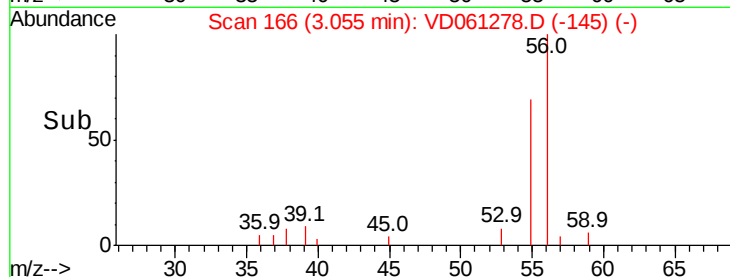
0

Time-->

3.00

3.10

3.20



#14

Allyl chloride

Concen: 22.807 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

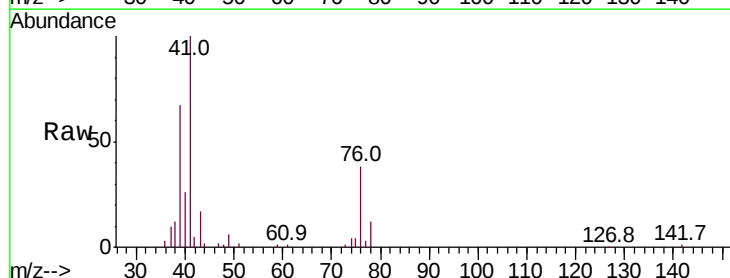
Tgt Ion: 41 Resp: 210407

Ion Ratio Lower Upper

41 100

39 67.0 51.1 76.7

76 37.8 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

0

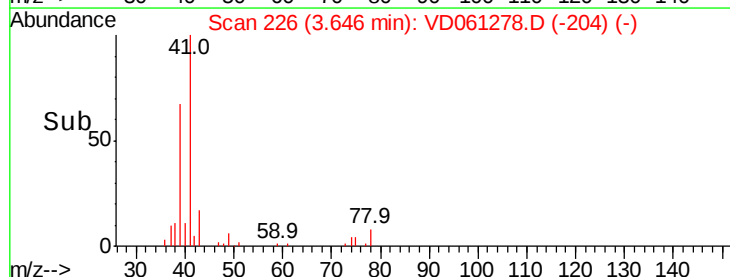
Time-->

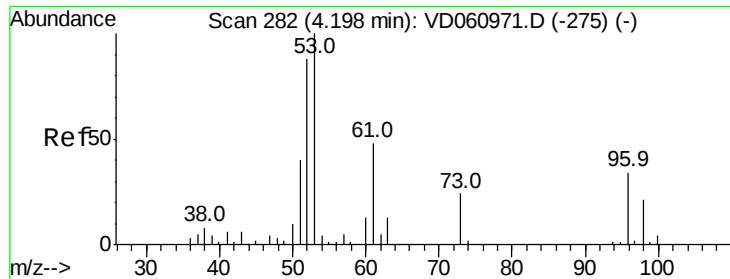
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 114.818 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

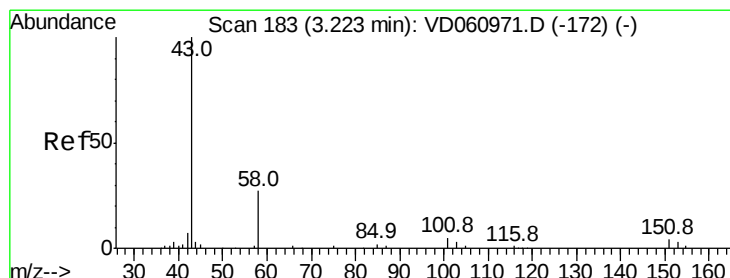
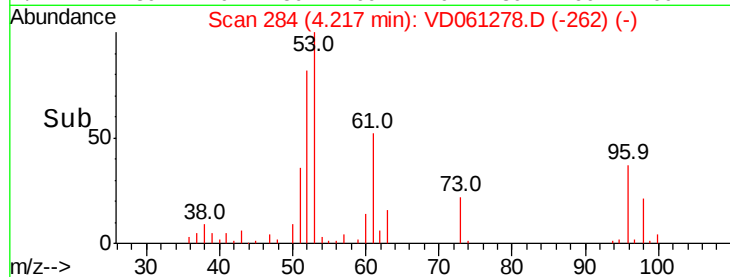
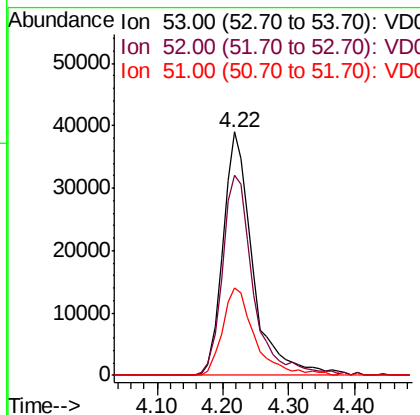
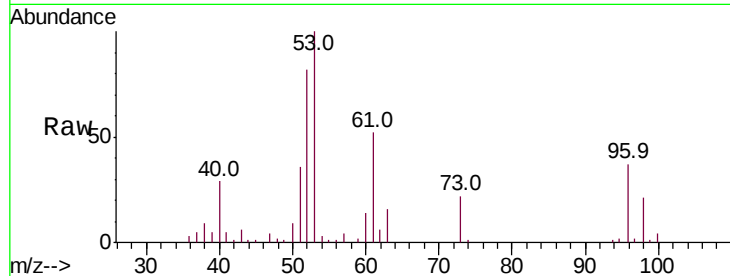
ClientSampleId :

VD0323SBS01

Tot Ion:	53	Resp:	123523
Ion Ratio	Lower	Upper	
53	100		
52	82.4	70.2	105.4
51	35.9	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 122.857 ug/l

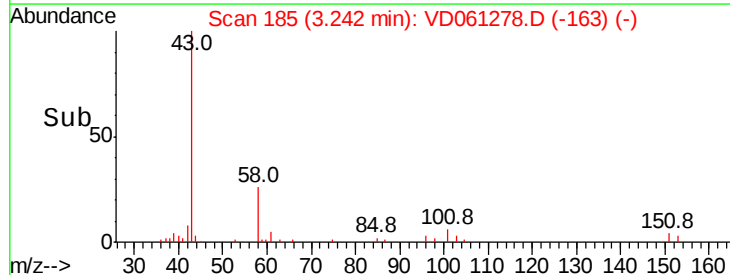
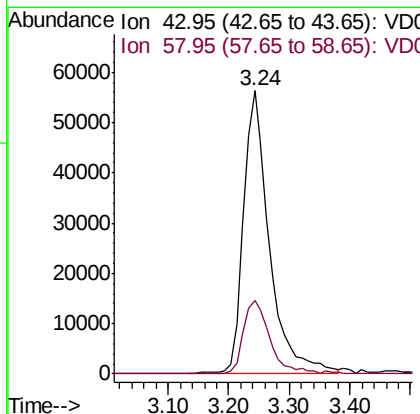
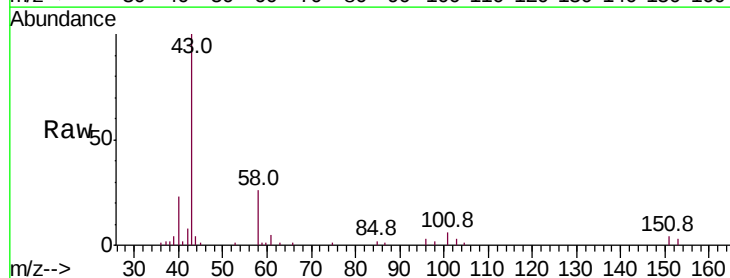
RT: 3.24 min Scan# 185

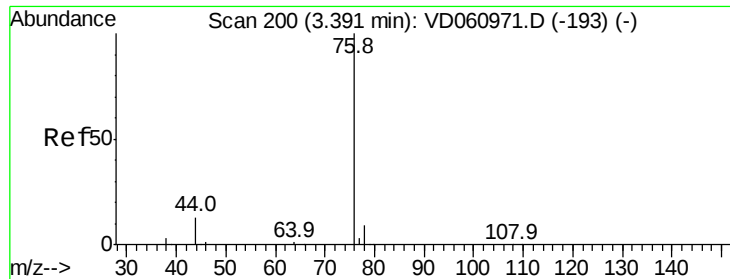
Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion:	43	Resp:	167979
Ion Ratio	Lower	Upper	
43	100		
58	25.9	21.6	32.4





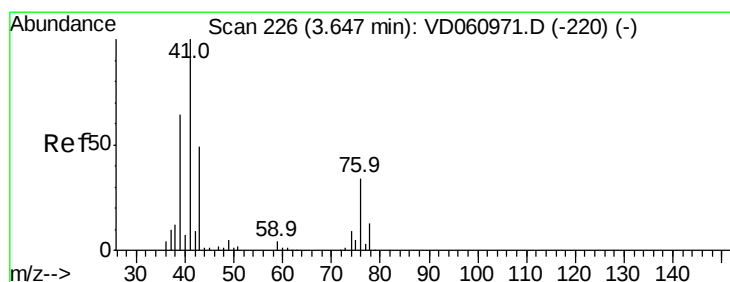
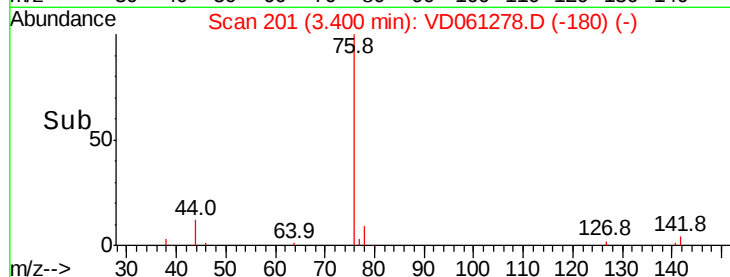
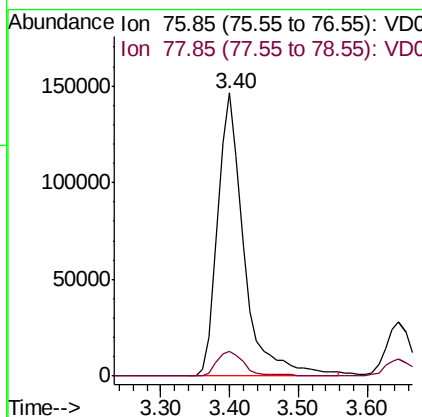
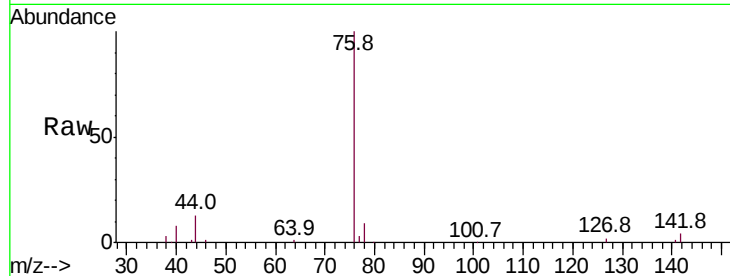
#17
Carbon Disulfide
Concen: 19.896 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

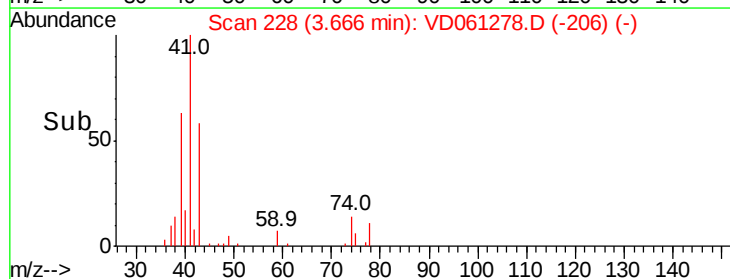
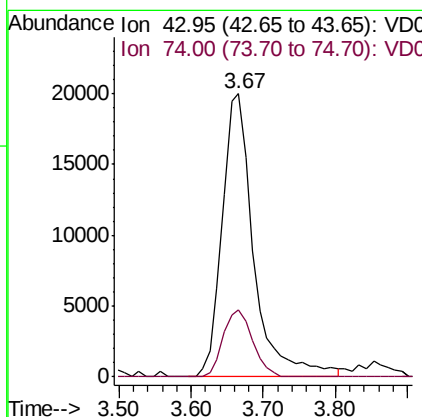
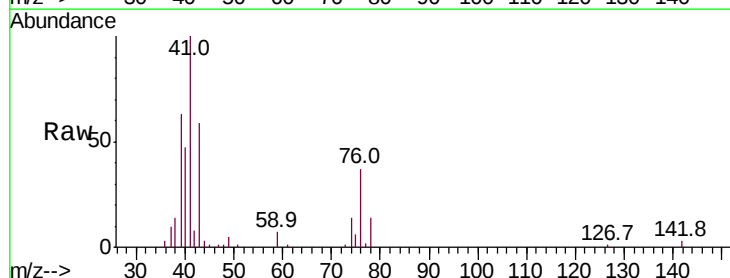
Manual Integrations
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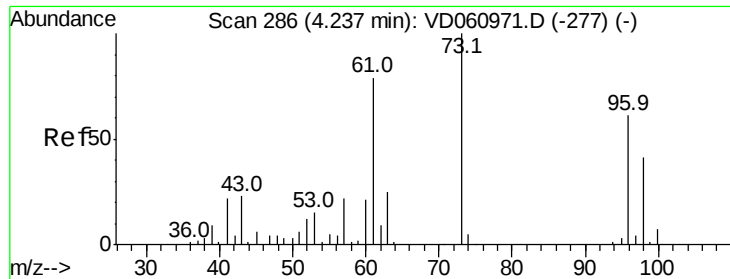
MMDadoda
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#18
Methyl Acetate
Concen: 22.546 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	14.6	21.8#





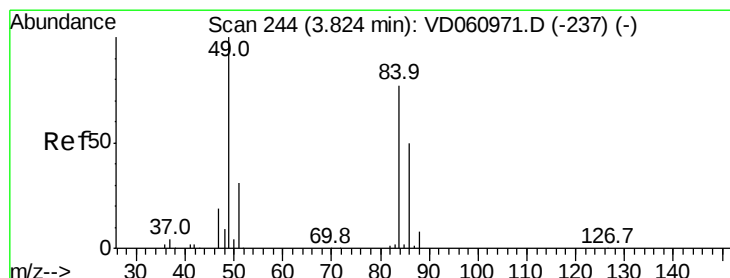
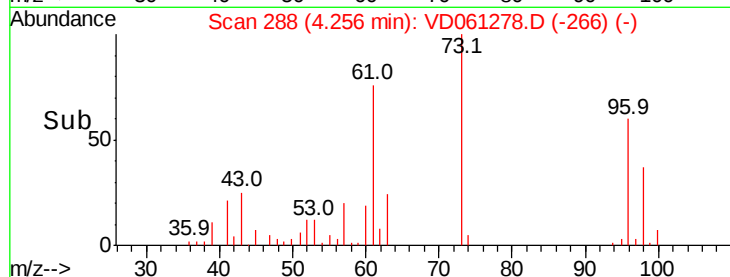
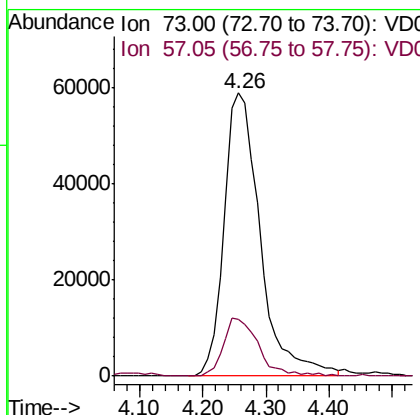
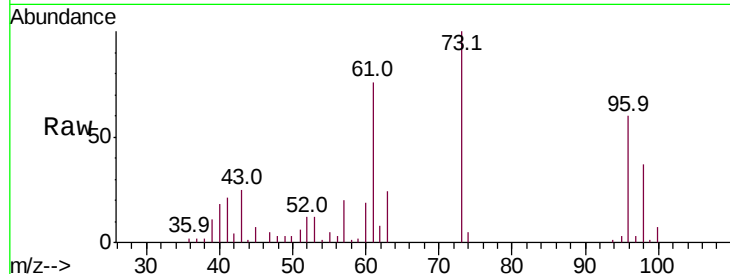
#19
Methyl tert-butyl Ether
Concen: 23.161 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 73 Resp: 234044
Ion Ratio Lower Upper
73 100
57 20.2 17.7 26.5

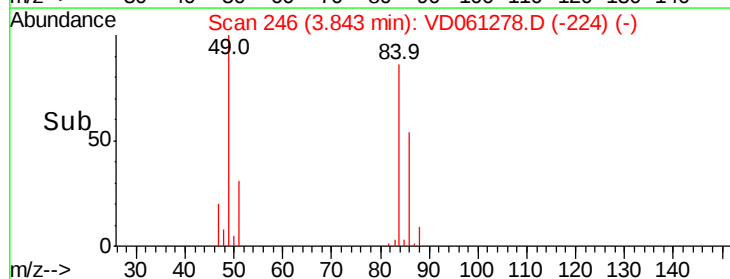
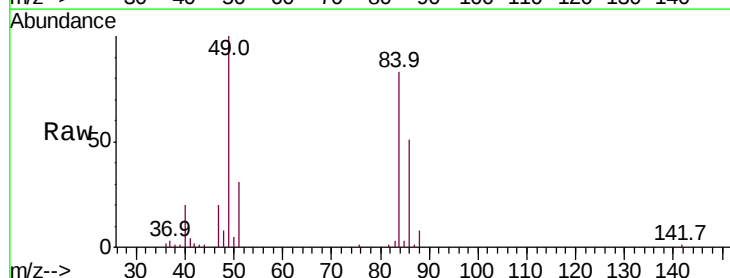
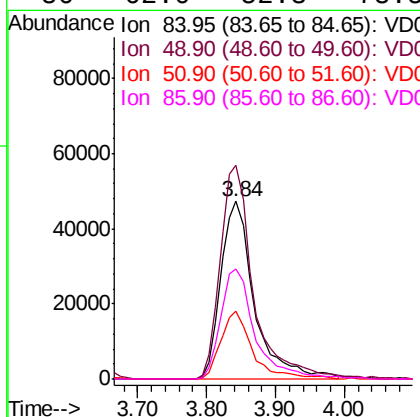
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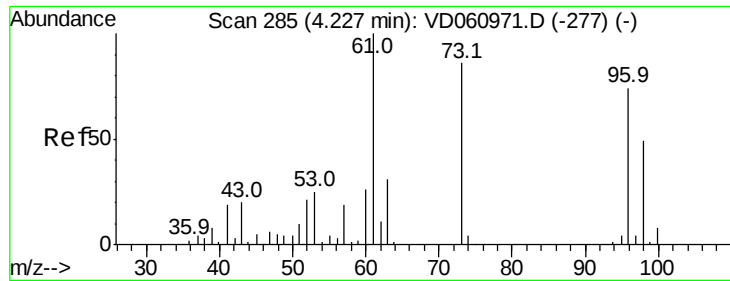
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#20
Methylene Chloride
Concen: 22.980 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion: 84 Resp: 158976
Ion Ratio Lower Upper
84 100
49 120.4 104.2 156.2
51 37.9 32.3 48.5
86 62.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.952 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 96 Resp: 143239

Ion Ratio Lower Upper

96 100

61 130.2 108.4 162.6

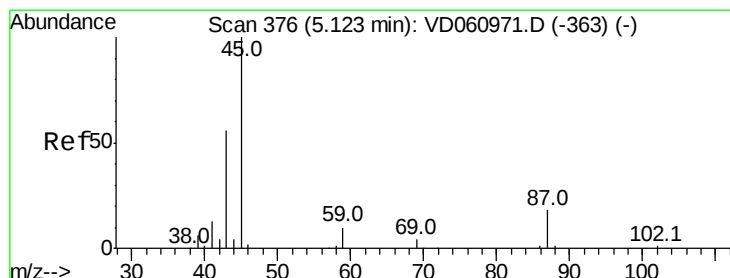
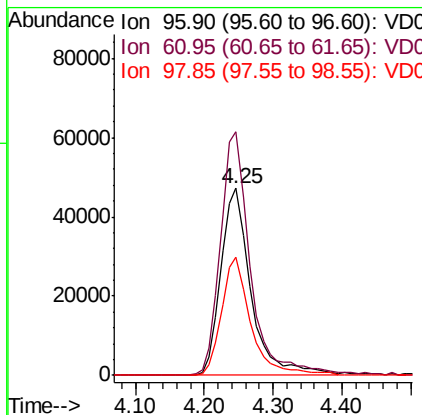
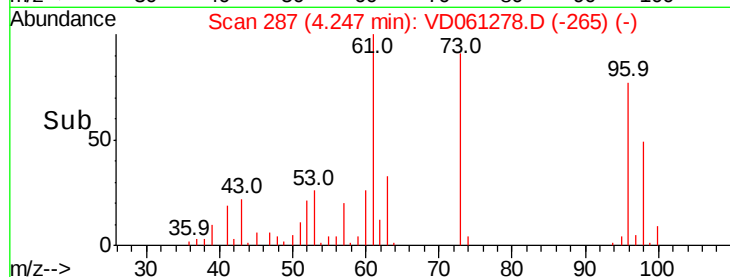
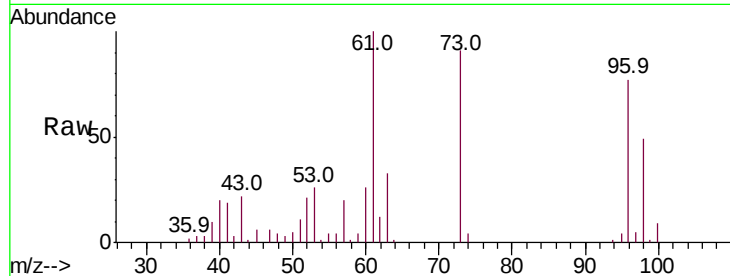
98 63.2 53.0 79.4

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#22

Diisopropyl ether

Concen: 22.826 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion: 45 Resp: 437154

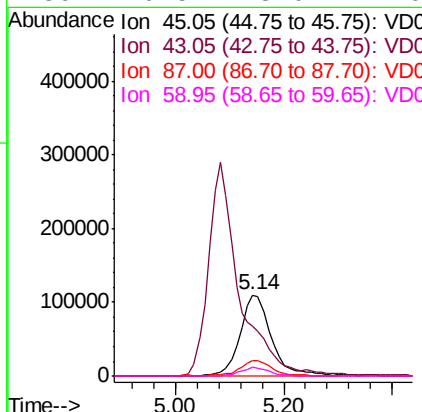
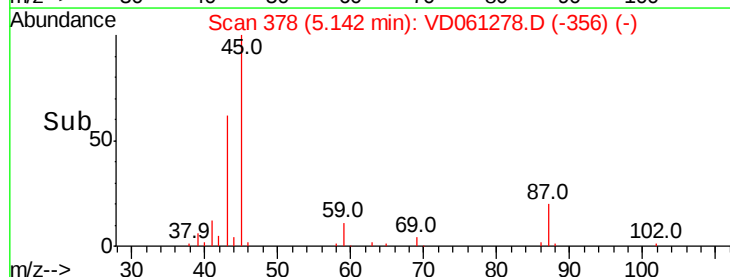
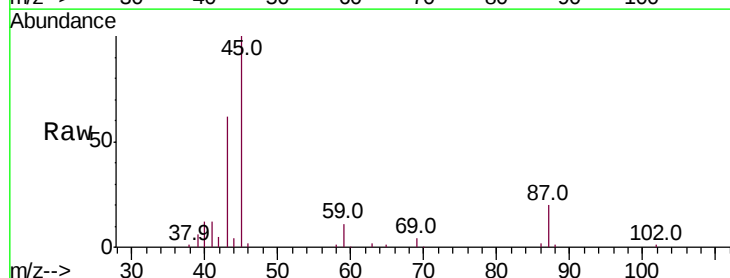
Ion Ratio Lower Upper

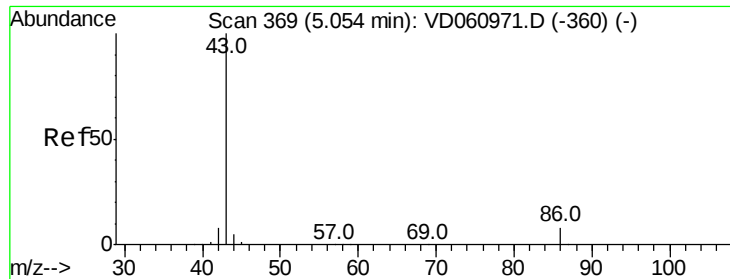
45 100

43 62.2 45.8 68.8

87 19.7 14.9 22.3

59 10.5 8.0 12.0





#23

Vinyl Acetate

Concen: 113.918 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBSD01

Tot Ion: 43 Resp: 1119952

Ion Ratio Lower Upper

43 100

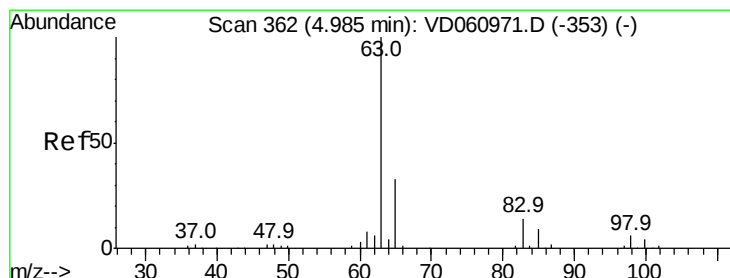
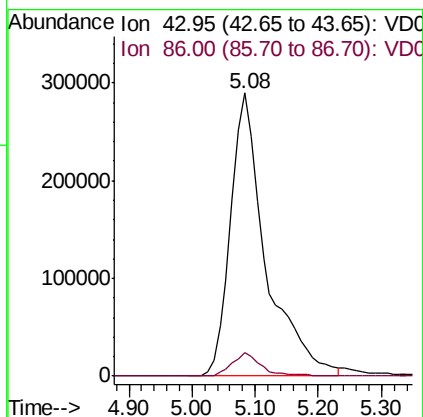
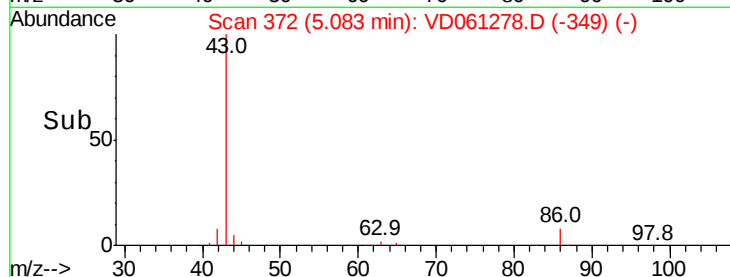
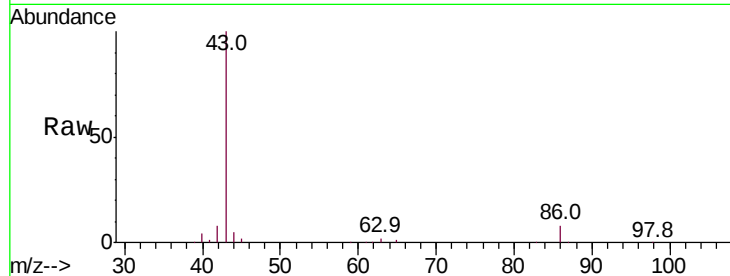
86 8.3 6.2 9.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.272 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

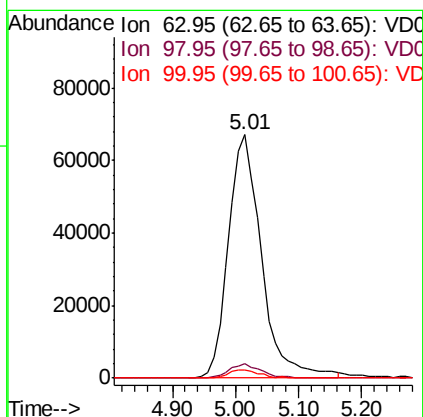
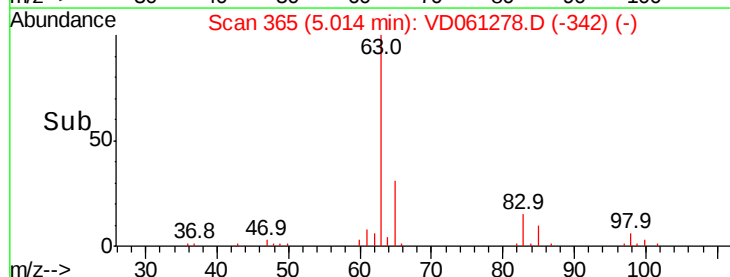
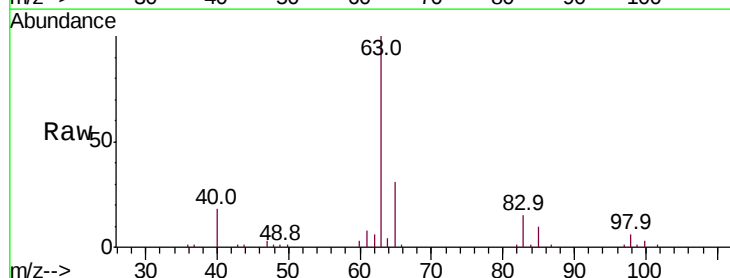
Tgt Ion: 63 Resp: 244198

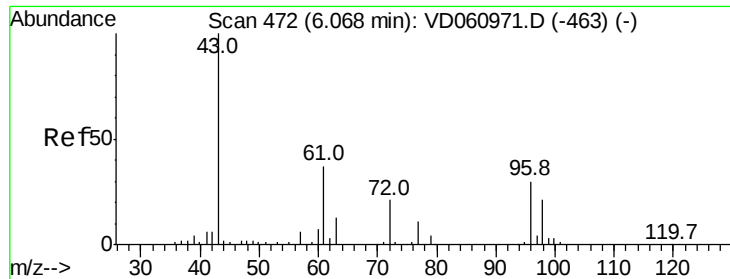
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.4 2.0 5.8





#25

2-Butanone

Concen: 118.232 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 43 Resp: 183435

Ion Ratio Lower Upper

43 100

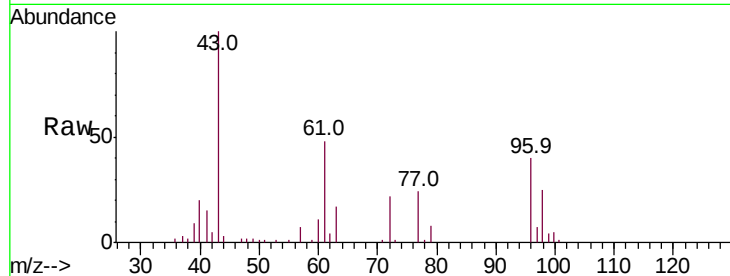
72 22.5 16.7 25.1

Manual Integrations

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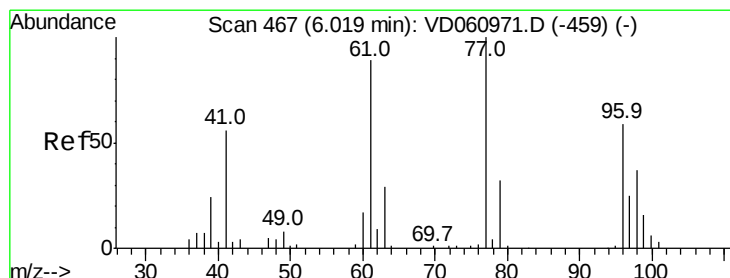
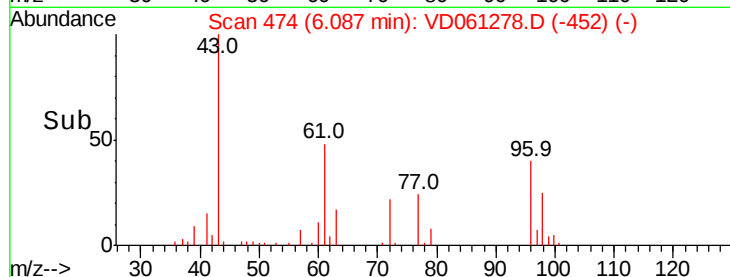
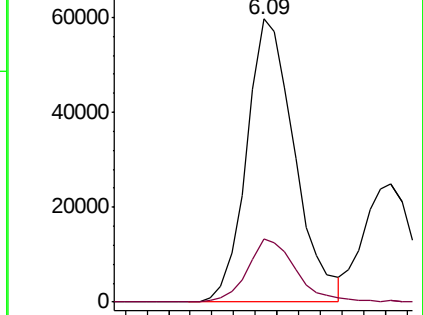
MMDadoda

3/26/2019 2:40:38 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.827 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061278.D

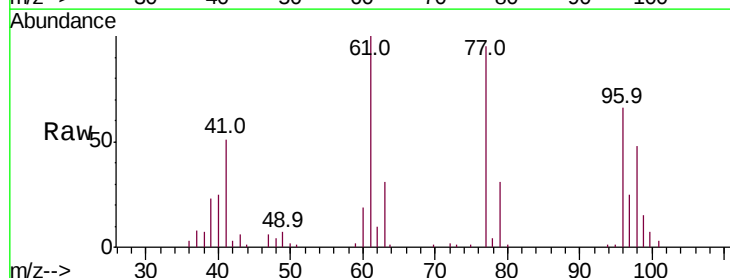
Acq: 23 Mar 2019 14:06

Tgt Ion: 77 Resp: 186983

Ion Ratio Lower Upper

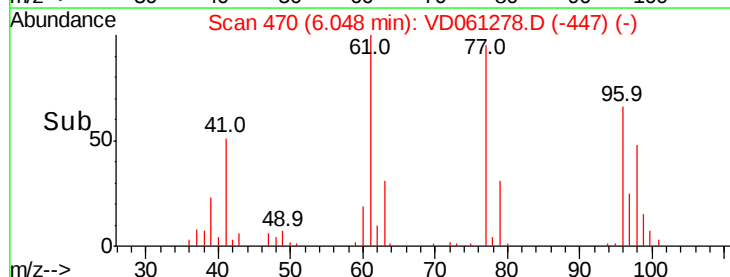
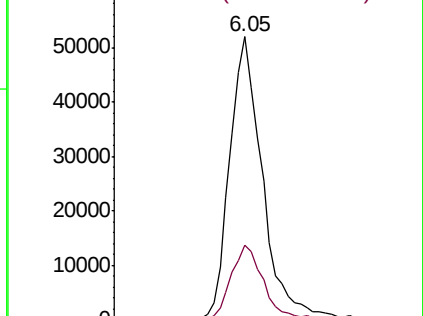
77 100

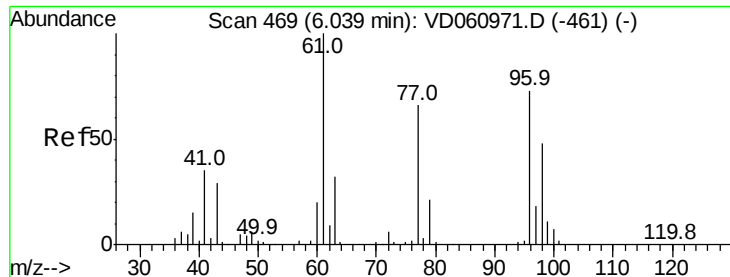
97 26.3 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

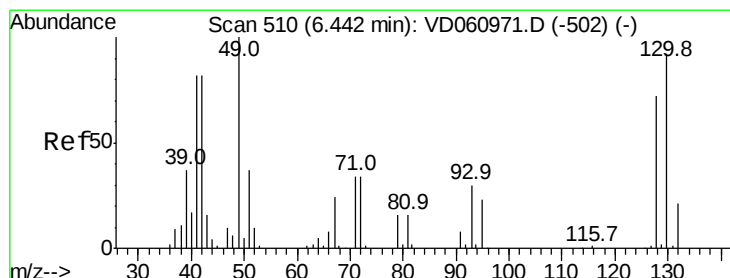
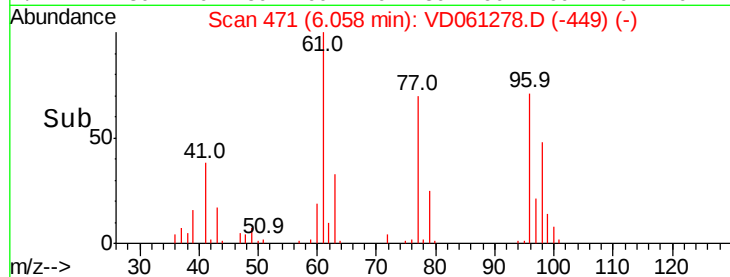
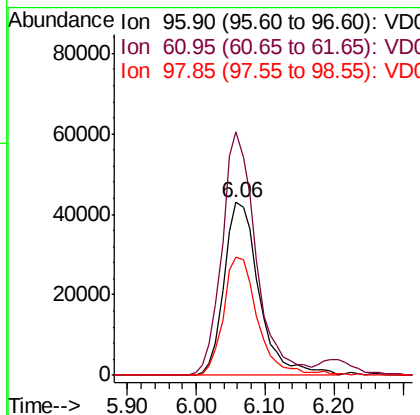
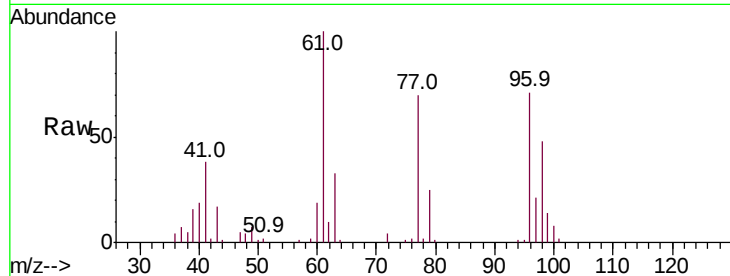
cis-1,2-Dichloroethene
 Concen: 22.855 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	273.6
98	67.9	0.0	132.6

Manual Integrations
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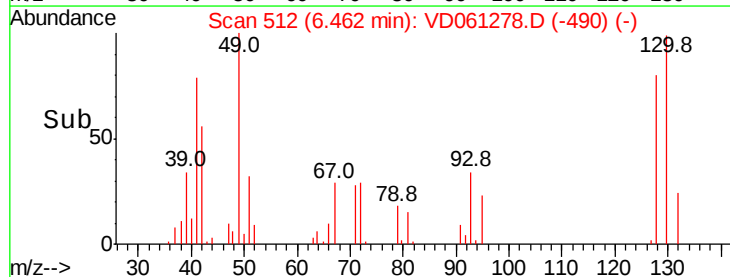
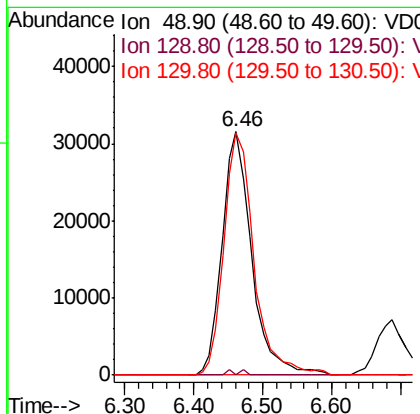
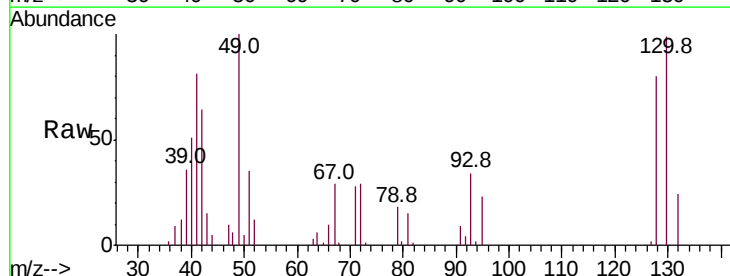
MMDadoda
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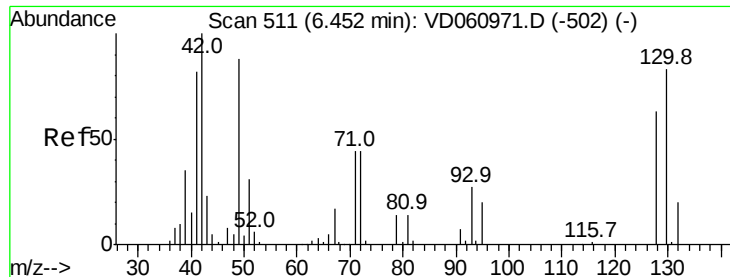


#28

Bromochloromethane
 Concen: 21.128 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	99.3	73.8	110.8





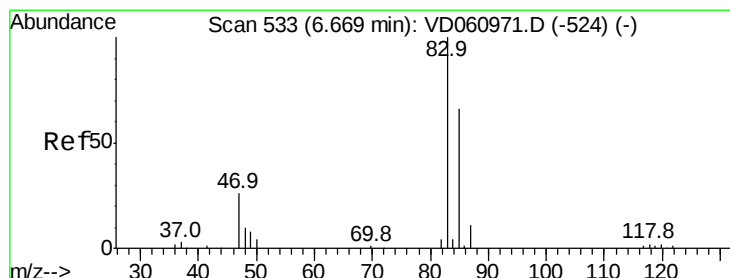
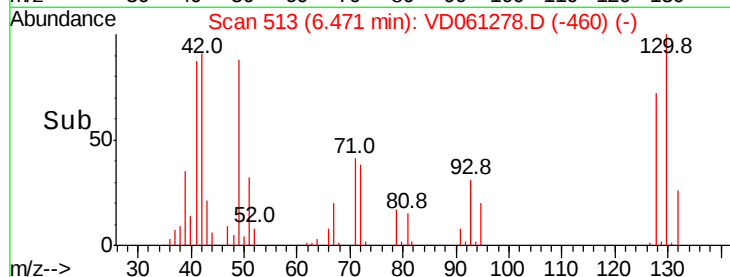
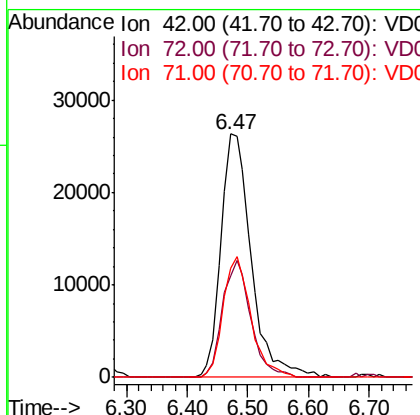
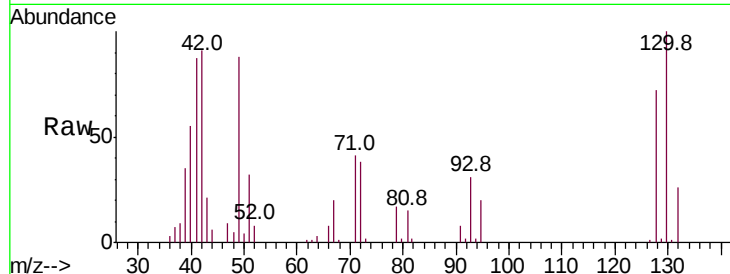
#29
Tetrahydrofuran
Concen: 108.837 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.5	51.7
71	45.3	33.8	50.6

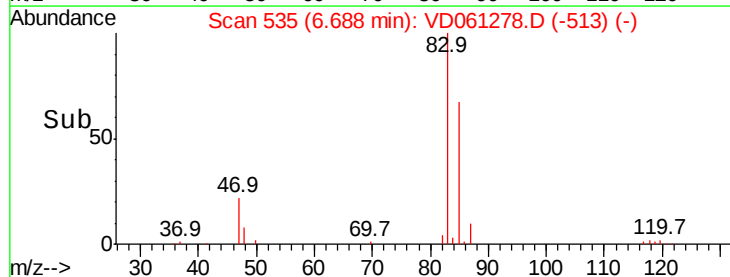
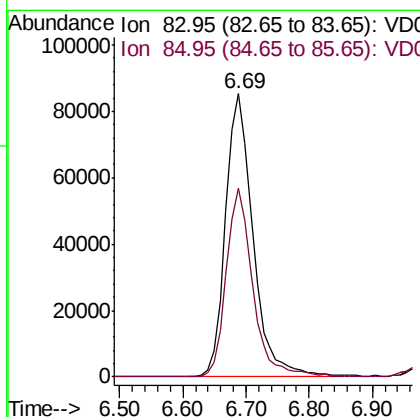
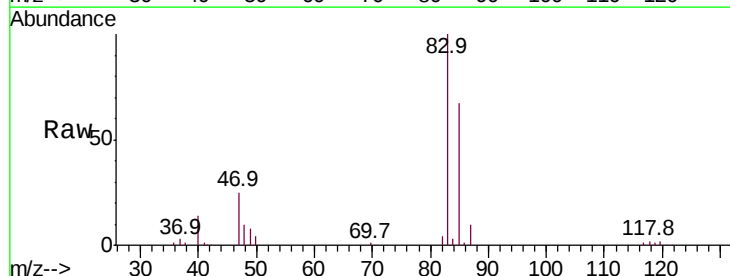
Manual Integrations
APPROVED

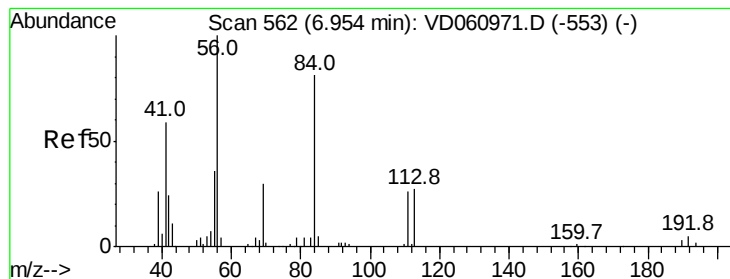
MMDadoda
3/26/2019 2:40:38 PM



#30
Chloroform
Concen: 23.672 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.0	79.4





#31

Cyclohexane

Concen: 21.473 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

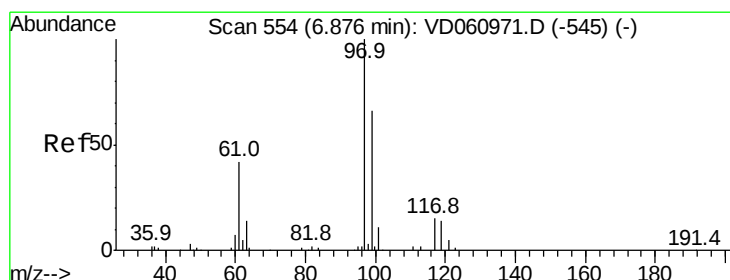
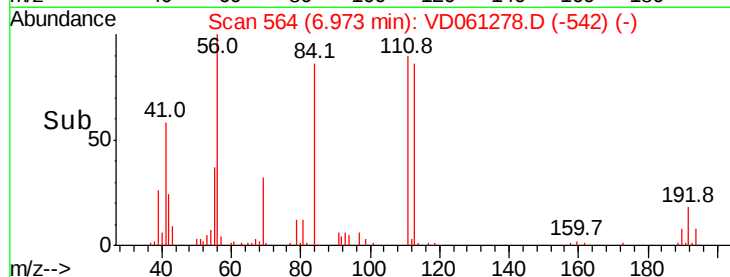
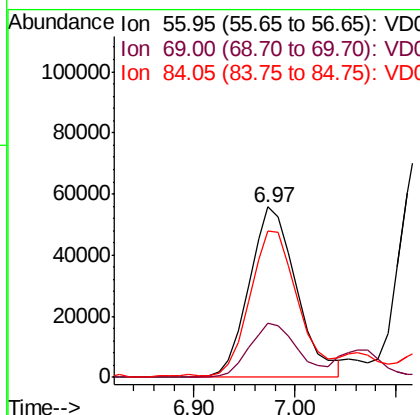
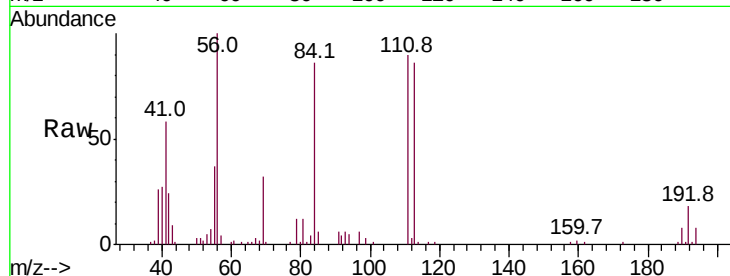
ClientSampleId :

VD0323SBS01

Tot Ion:	56	Resp:	181681
Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.0	36.0
84	85.6	65.8	98.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.734 ug/l

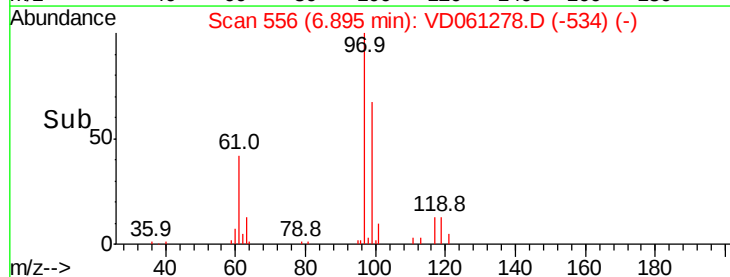
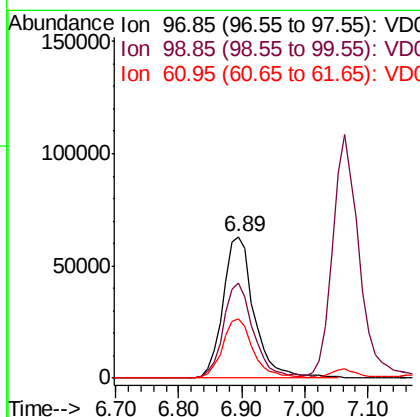
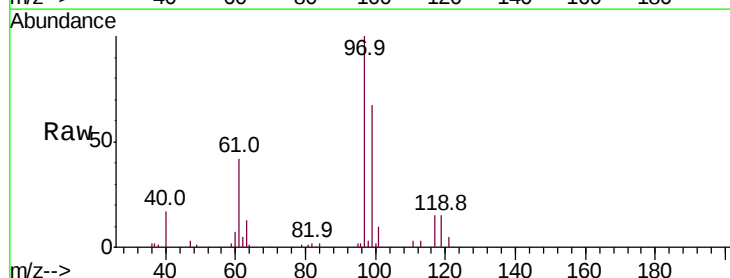
RT: 6.89 min Scan# 556

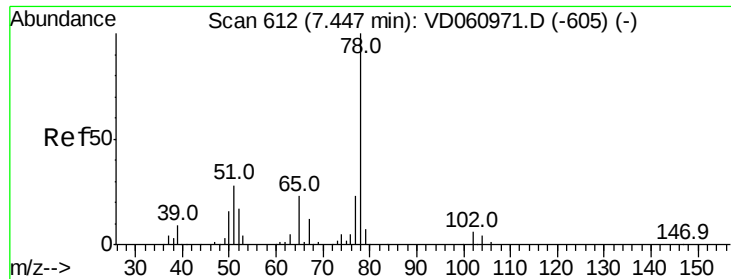
Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion:	97	Resp:	213744
Ion	Ratio	Lower	Upper
97	100		
99	66.8	53.2	79.8
61	42.0	33.8	50.8





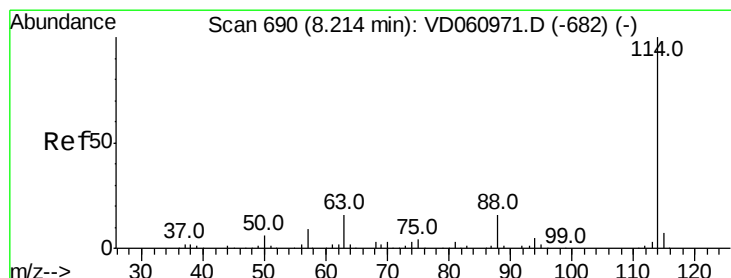
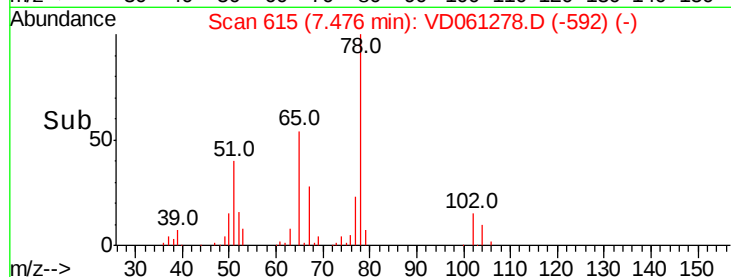
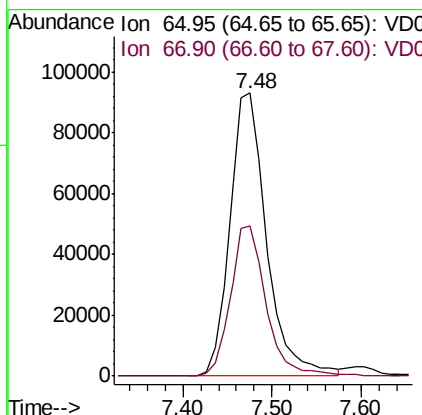
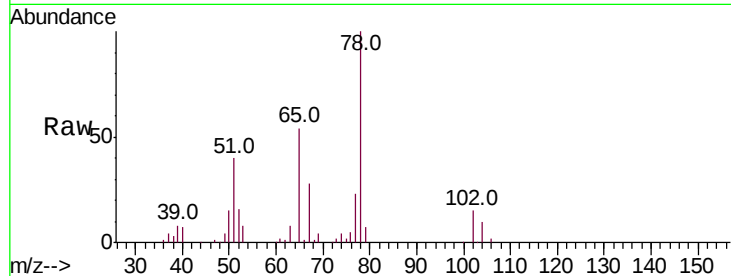
#33
 1,2-Dichloroethane-d4
 Concen: 22.734 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266795		
67	53.0	0.0	105.2	

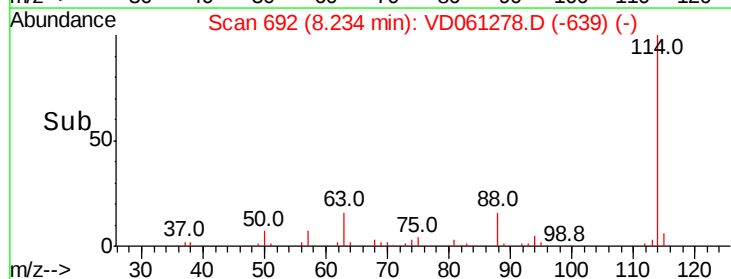
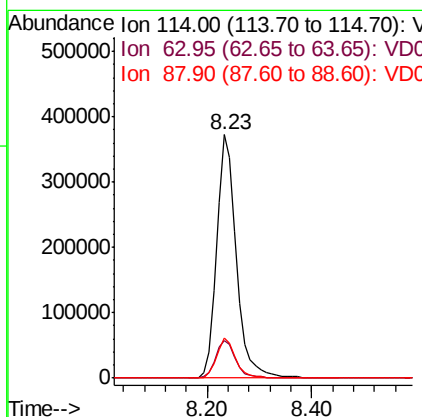
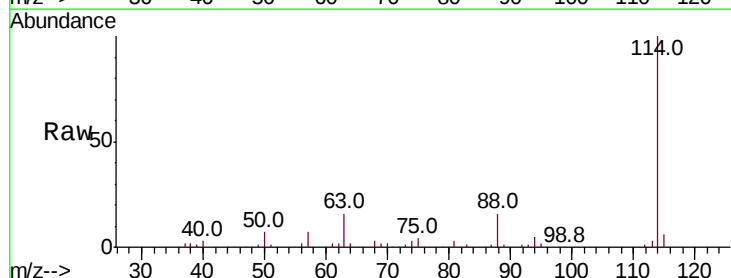
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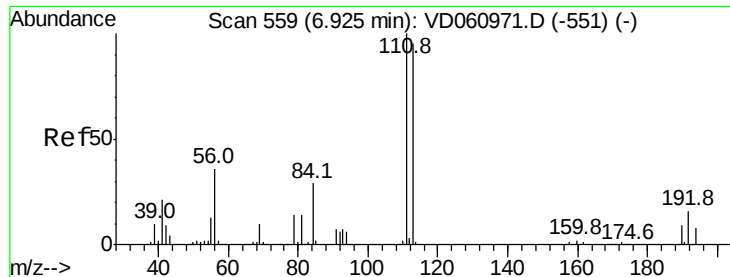
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	974041		
63	15.5	0.0	31.4	
88	16.3	0.0	33.0	





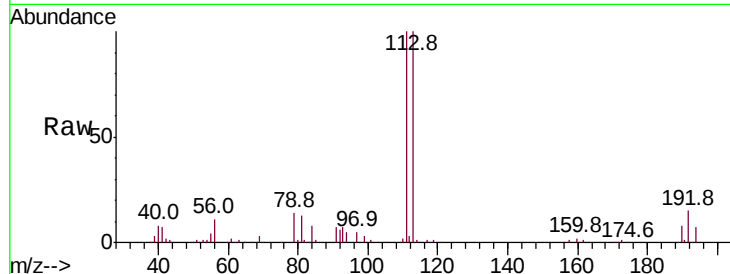
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBSD01

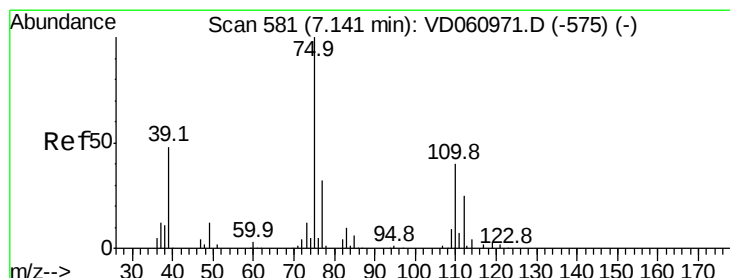
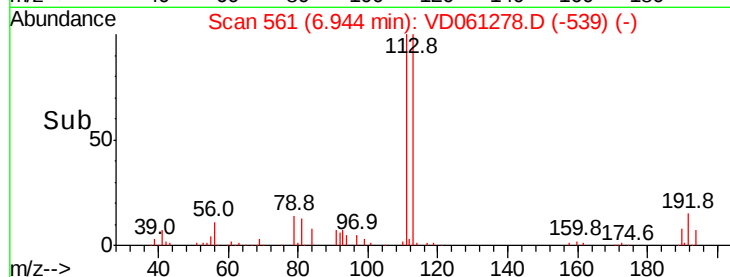
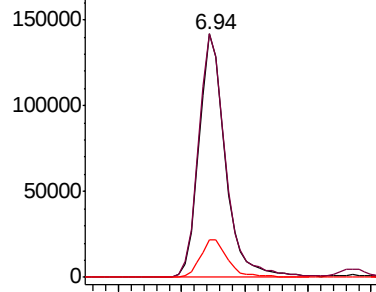
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.0	84.2	126.4	
192	15.4	13.1	19.7	

Manual Integrations
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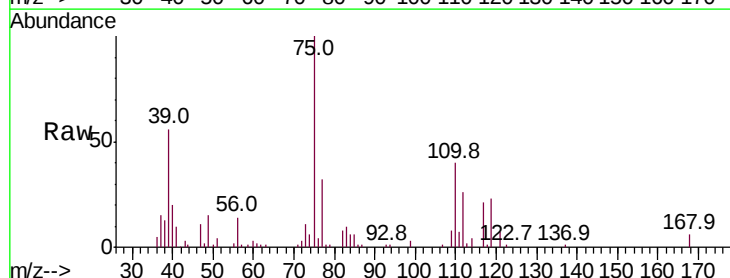


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

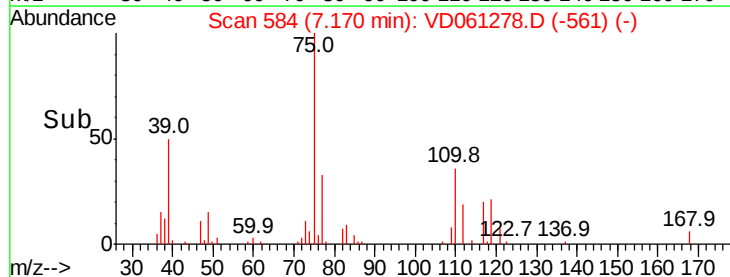
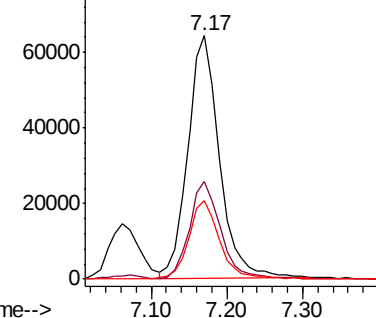


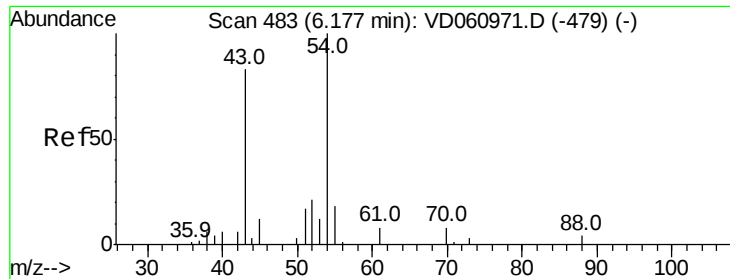
#36
 1,1-Dichloropropene
 Concen: 22.113 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.03 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	40.2	19.7	59.1	
77	32.4	24.7	37.1	



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.741 ug/l

RT: 6.21 min Scan# 486

Delta R.T. 0.03 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

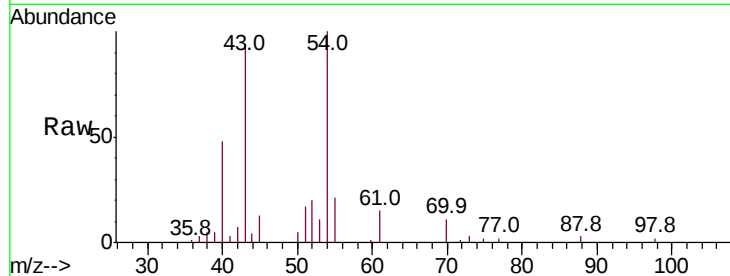
ClientSampleId :

VD0323SBS01

Tot Ion:	43	Resp:	85660
Ion	Ratio	Lower	Upper
43	100		
61	15.8	13.7	20.5
70	11.7	7.1	10.7#

Manual Integrations
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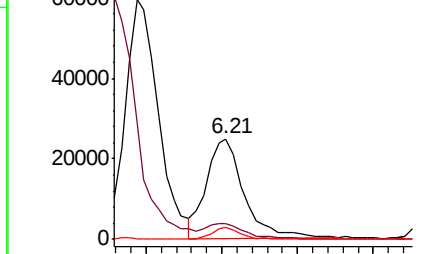
MMDadoda
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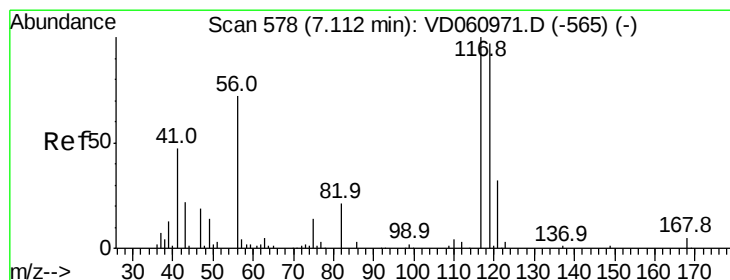
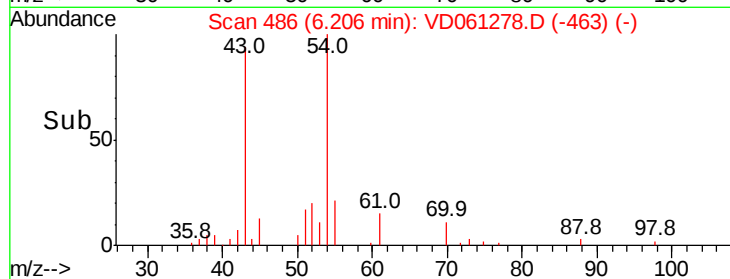
Abundance Ion 42.95 (42.65 to 43.65): VD061278.D (-479) (-)

Ion 60.95 (60.65 to 61.65): VD061278.D (-479) (-)

Ion 70.00 (69.70 to 70.70): VD061278.D (-479) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 28.660 ug/l m

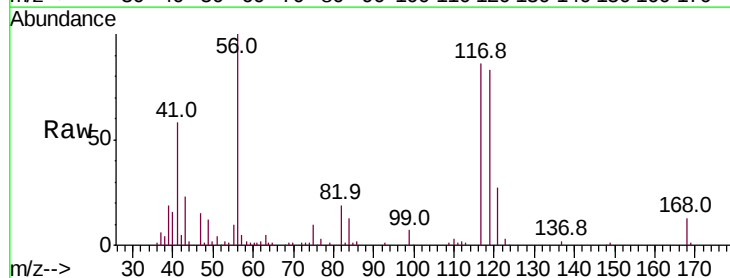
RT: 7.13 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

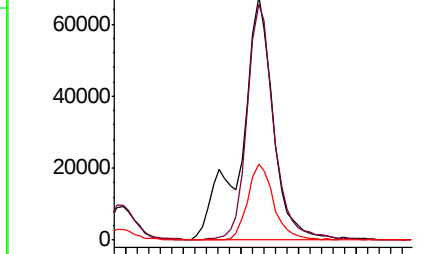
Tgt Ion:	117	Resp:	265061
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8
121	31.2	25.3	37.9



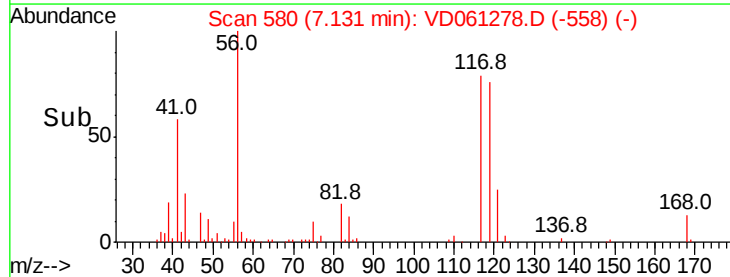
Abundance Ion 116.85 (116.55 to 117.55): VD061278.D (-558) (-)

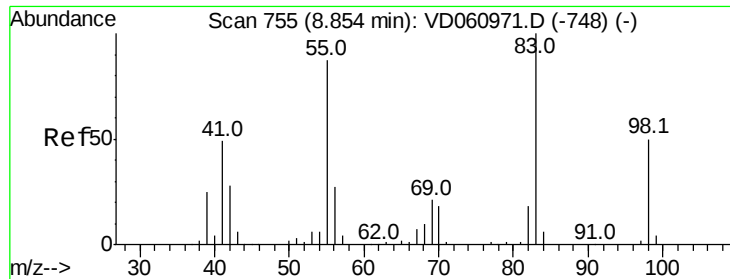
Ion 118.85 (118.55 to 119.55): VD061278.D (-558) (-)

Ion 120.85 (120.55 to 121.55): VD061278.D (-558) (-)



Time-->





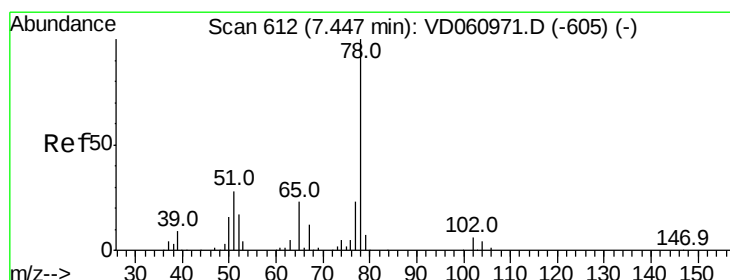
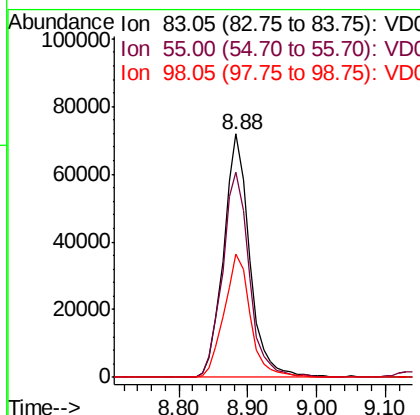
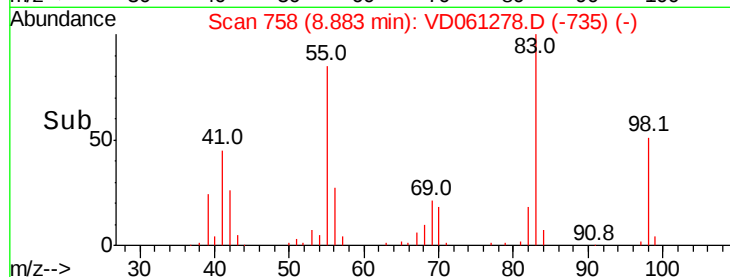
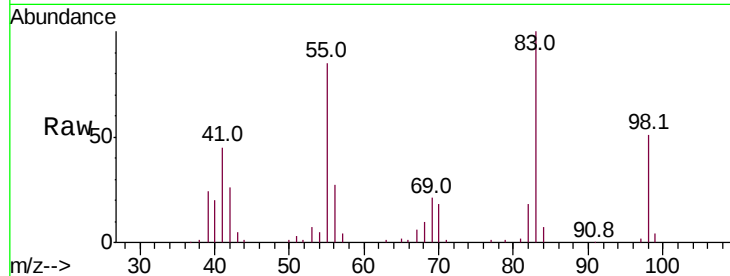
#39
Methvlcvclohexane
Concen: 21.643 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	69.6	104.4
98	50.5	40.0	60.0

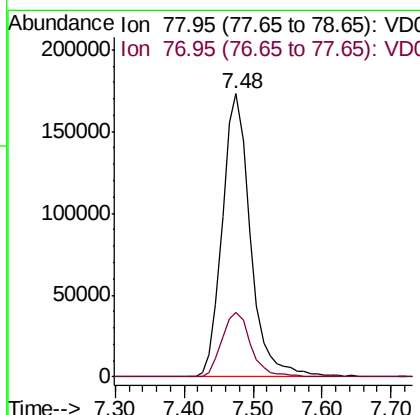
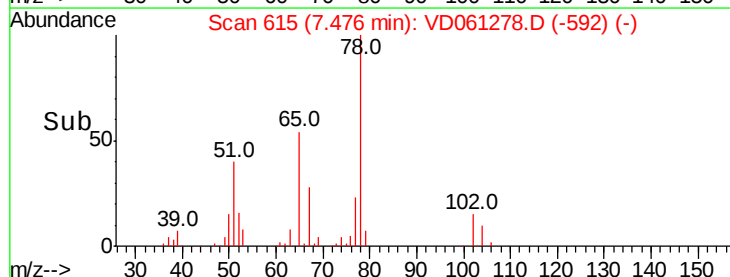
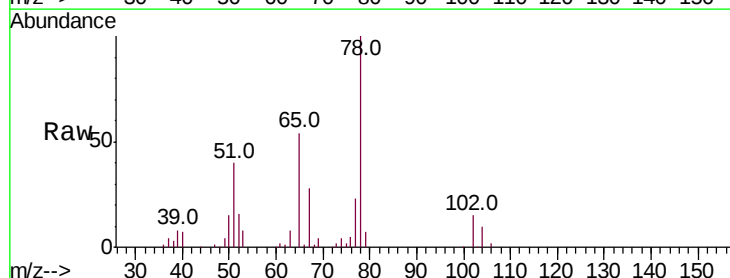
Manual Integrations
APPROVED

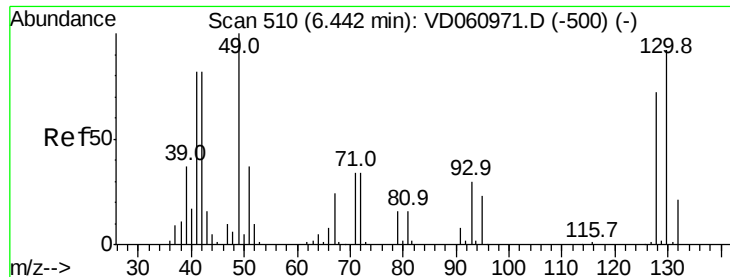
MMDadoda
3/26/2019 2:40:38 PM



#40
Benzene
Concen: 23.449 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





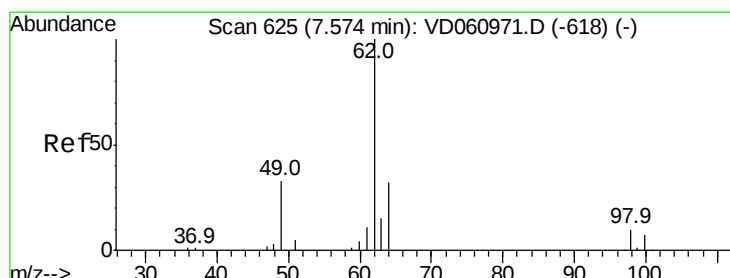
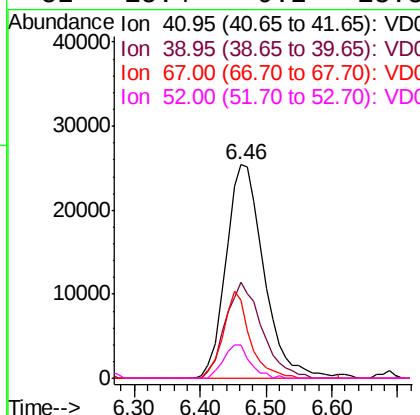
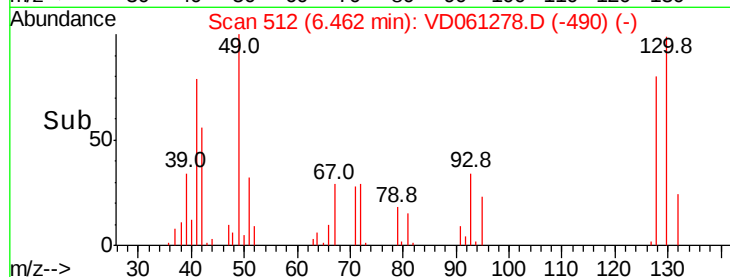
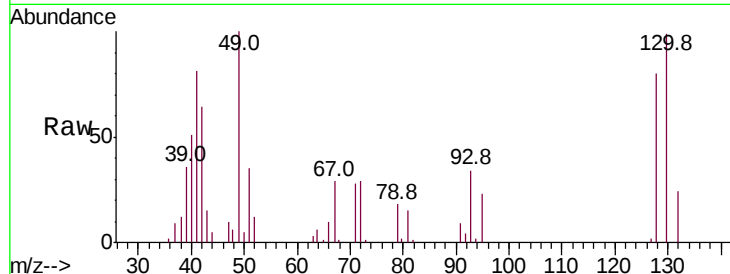
#41
Methacrylonitrile
Concen: 22.582 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.8	35.7	53.5
67	36.4	23.0	34.6
52	15.4	9.2	13.8

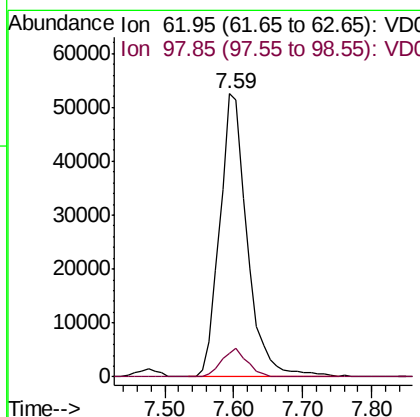
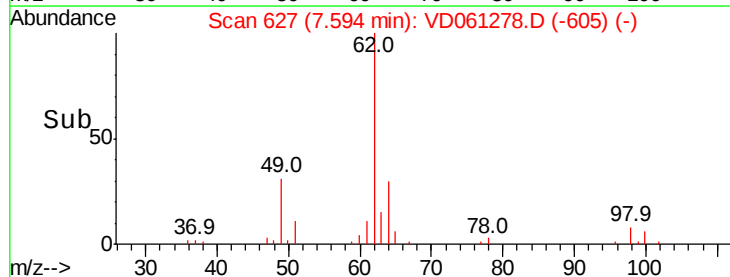
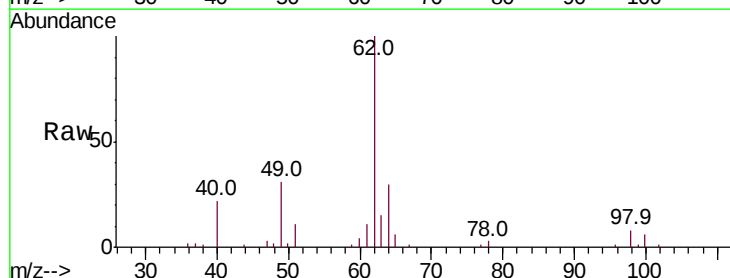
Manual Integrations
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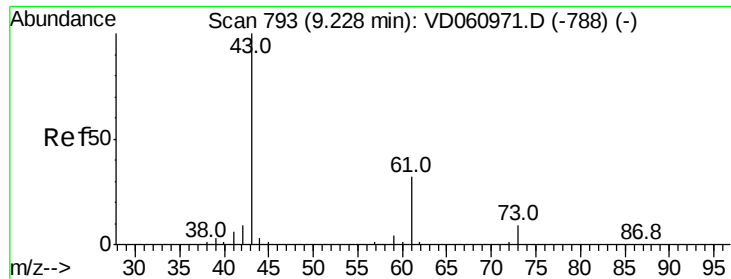
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.866 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	20.4





#43

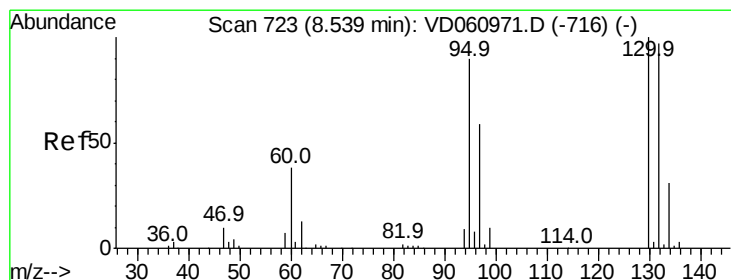
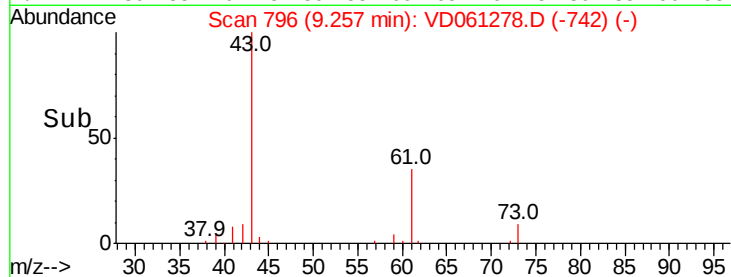
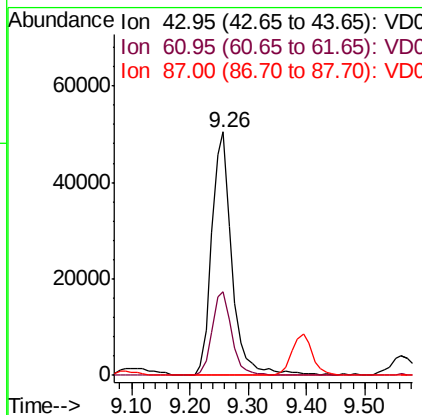
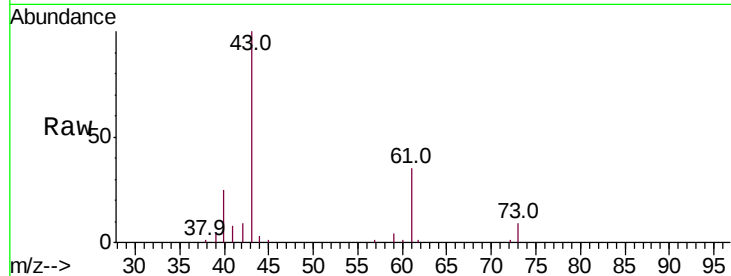
Isopropyl Acetate
 Concen: 22.101 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	25.6	38.4
87	0.0	0.2	0.4

Manual Integrations
 APPROVED

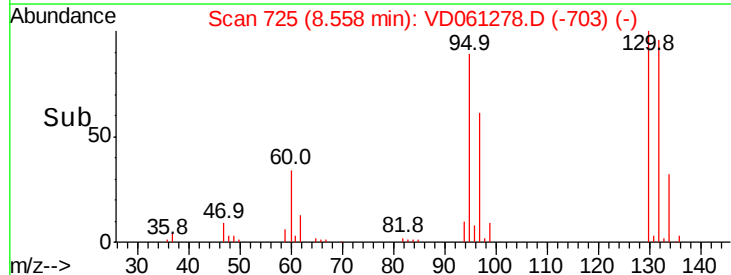
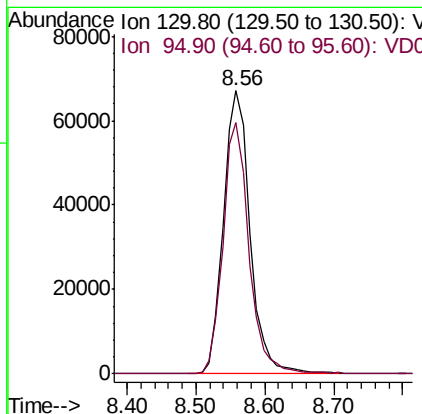
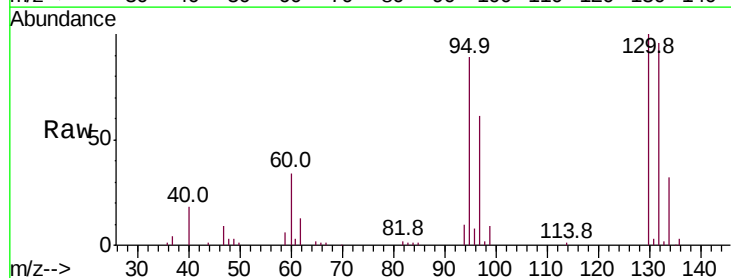
MMDadoda
 3/26/2019 2:40:38 PM

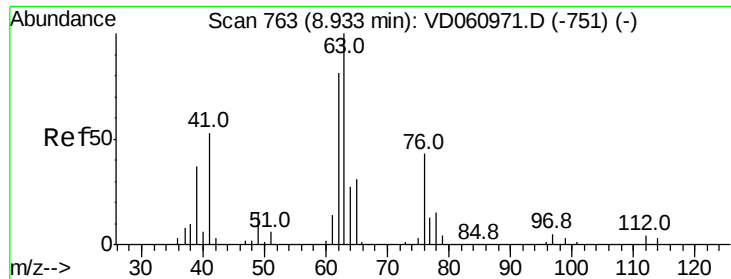


#44

Trichloroethene
 Concen: 24.805 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.8	0.0	179.4





#45

1,2-Dichloropropane

Concen: 21.648 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 63 Resp: 119322

Ion Ratio Lower Upper

63 100

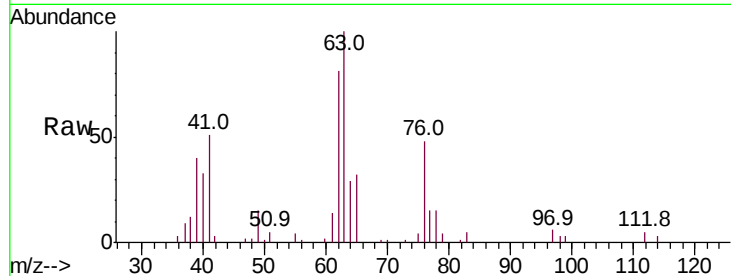
65 31.8 24.8 37.2

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

50000

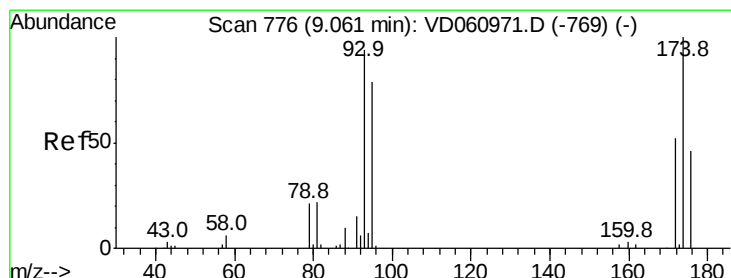
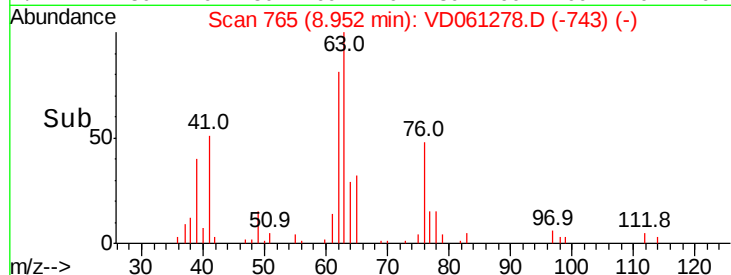
40000

30000

20000

10000

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 23.477 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

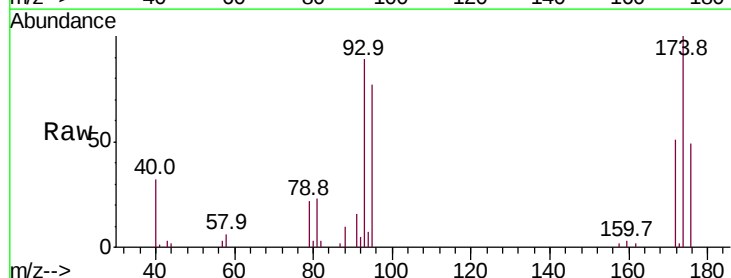
Tgt Ion: 93 Resp: 82082

Ion Ratio Lower Upper

93 100

95 85.9 67.4 101.0

174 111.9 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

50000

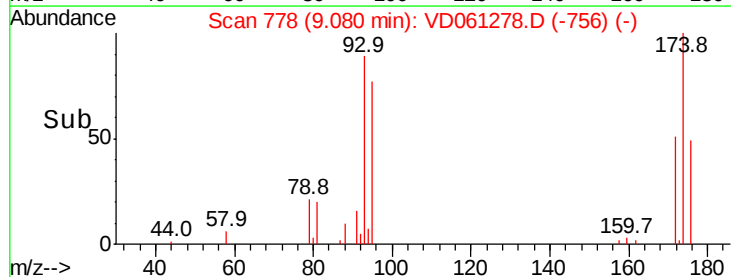
40000

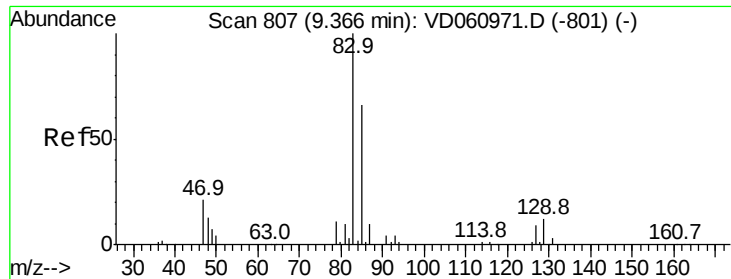
30000

20000

10000

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 23.850 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

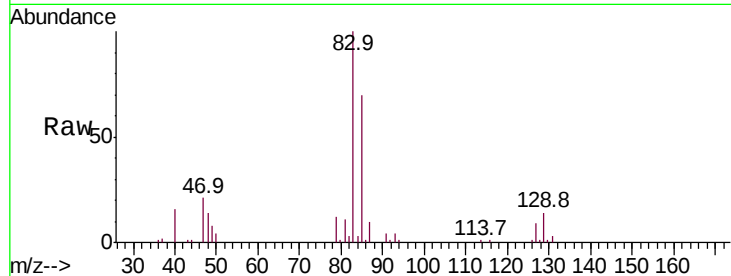
ClientSampleId :

VD0323SBS01

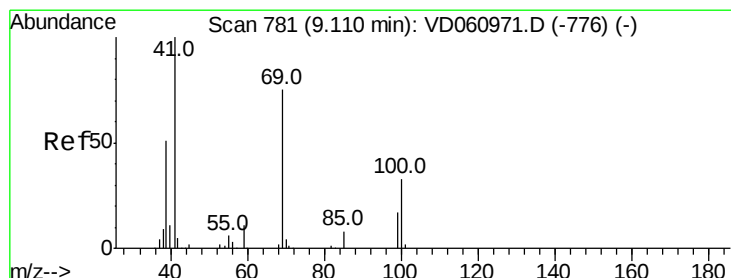
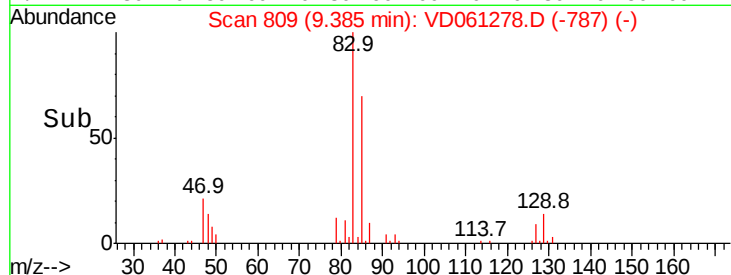
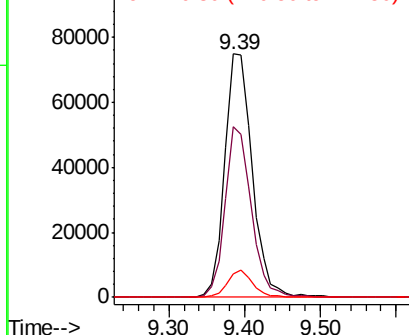
Tot Ion:	83	Resp:	188169
Ion Ratio	Lower	Upper	
83	100		
85	70.1	52.5	78.7
127	9.4	7.5	11.3

Manual Integrations
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.103 ug/l

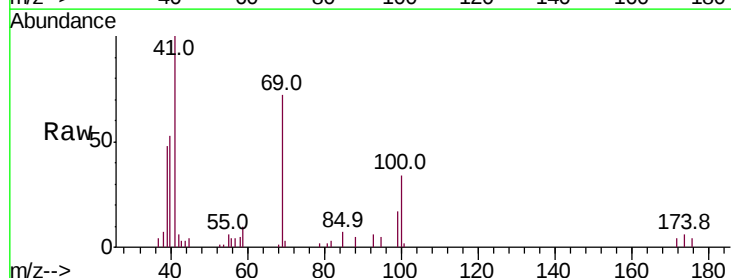
RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

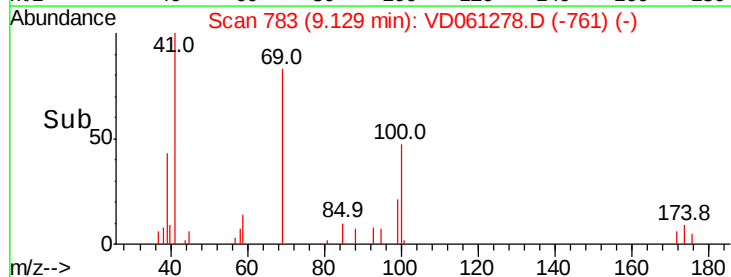
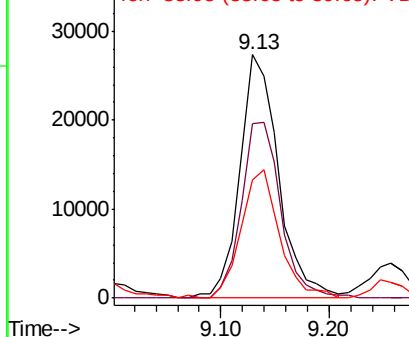
Lab File: VD061278.D

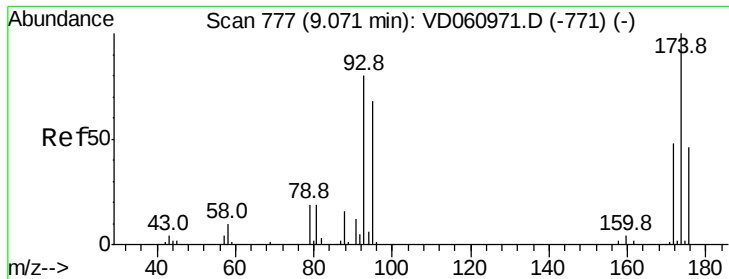
Acq: 23 Mar 2019 14:06

Tgt Ion:	41	Resp:	67911
Ion Ratio	Lower	Upper	
41	100		
69	71.7	59.9	89.9
39	48.5	40.9	61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 493.135 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.03 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

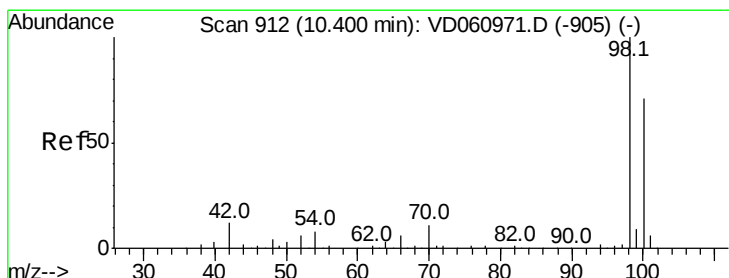
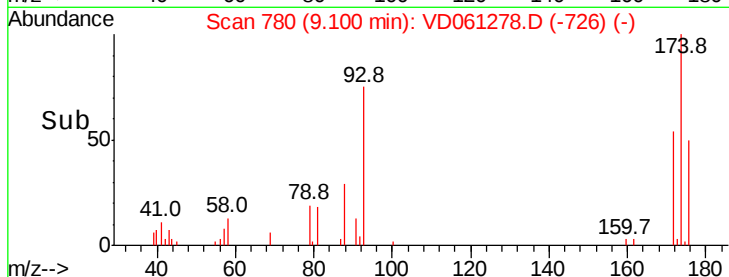
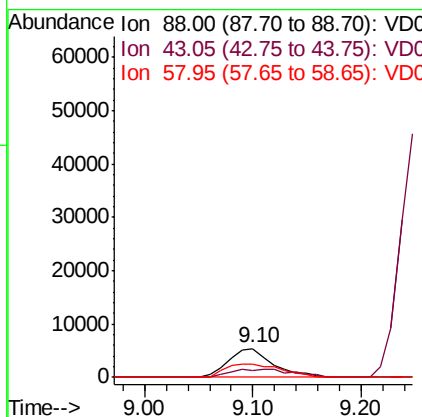
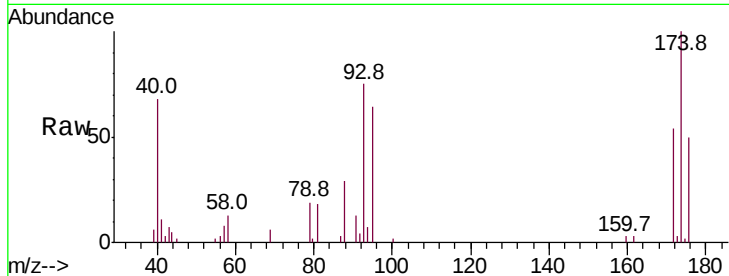
ClientSampleId :

VD0323SBSD01

Tot Ion:	88	Resp:	15321
Ion Ratio	Lower	Upper	
88	100		
43	25.1	21.0	31.6
58	43.9	48.6	72.8#

Manual Integrations
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#50

Toluene-d8

Concen: 493.135 ug/l

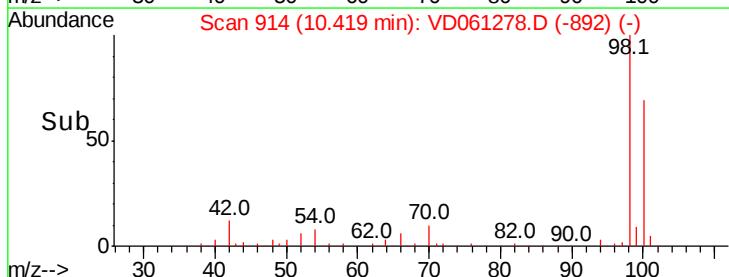
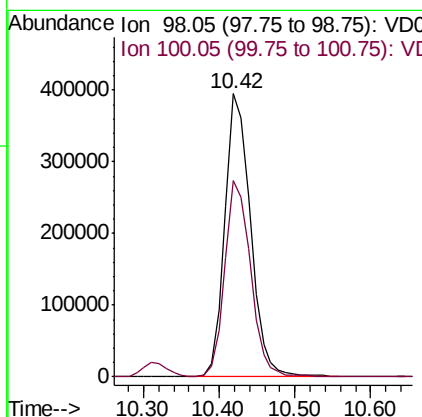
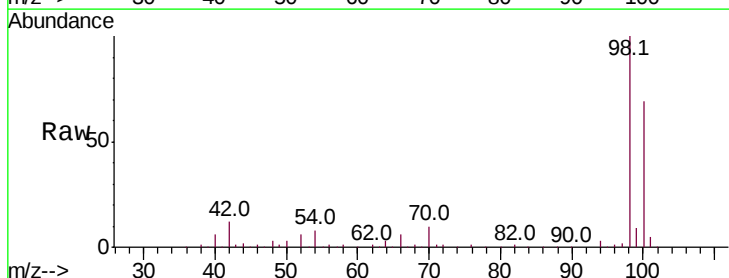
RT: 10.42 min Scan# 914

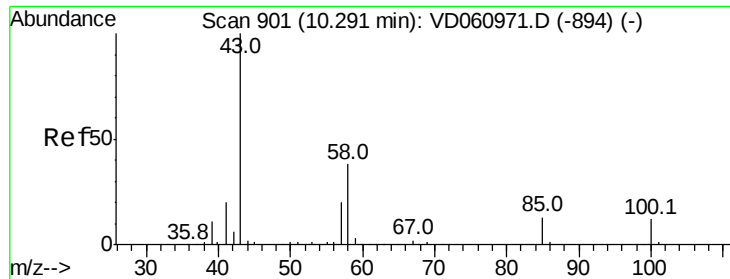
Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion:	98	Resp:	928661
Ion Ratio	Lower	Upper	
98	100		
100	69.2	57.4	86.2





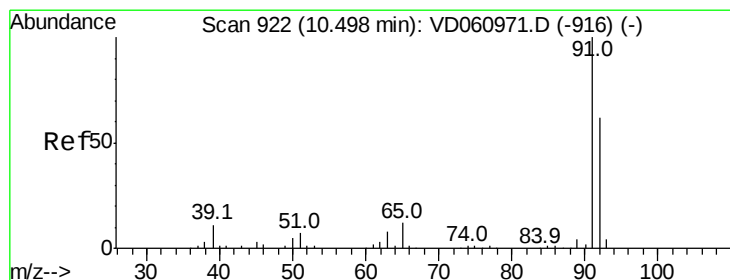
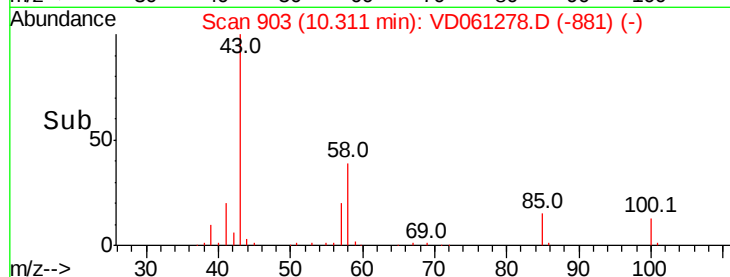
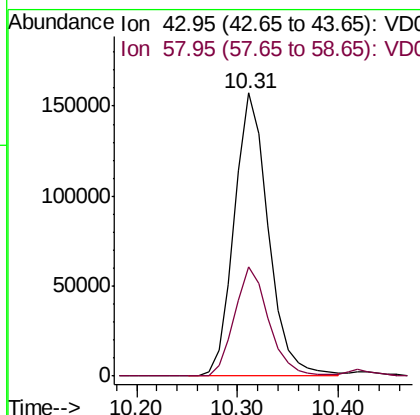
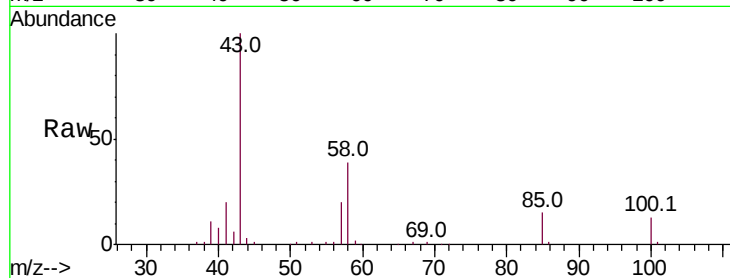
#51
4-Methyl-2-Pentanone
Concen: 111.051 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampled :
VD0323SBS01

Tot Ion: 43 Resp: 371258
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.2

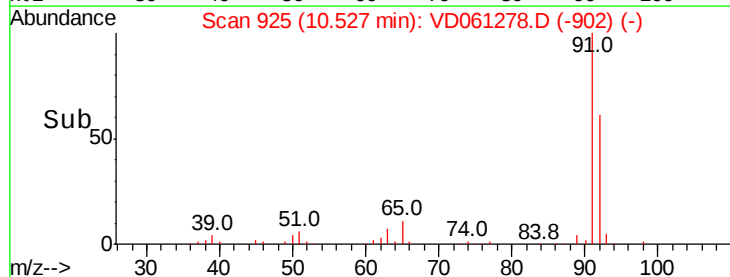
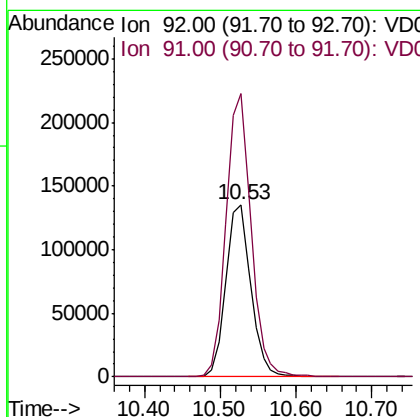
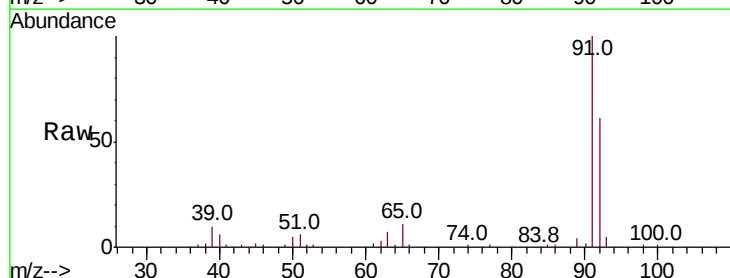
Manual Integrations
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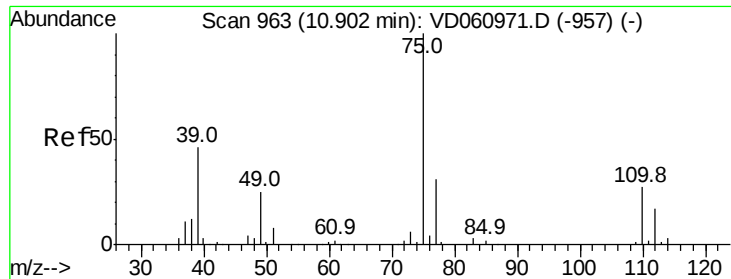
MMDadoda
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#52
Toluene
Concen: 23.695 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion: 92 Resp: 309128
Ion Ratio Lower Upper
92 100
91 164.3 129.8 194.8





#53

t-1,3-Dichloropropene

Concen: 22.678 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tot Ion: 75 Resp: 163609

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1

Instrument :

MSVOA_D

ClientSampleId :

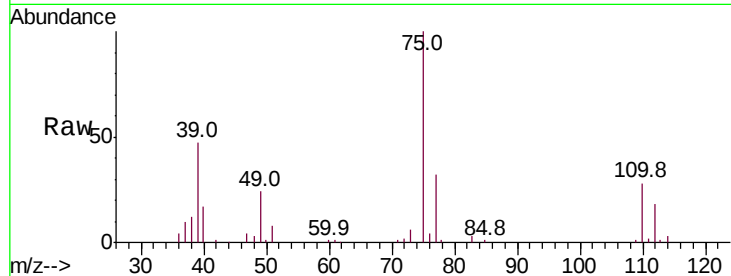
VD0323SBS01

Manual Integrations

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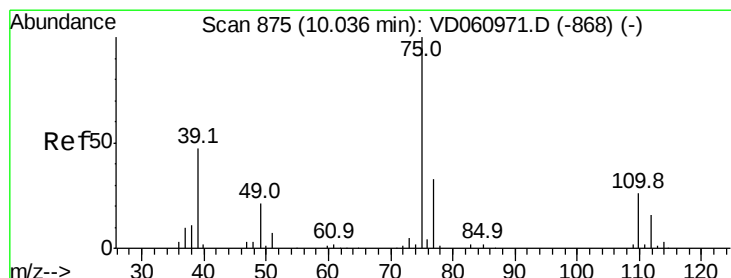
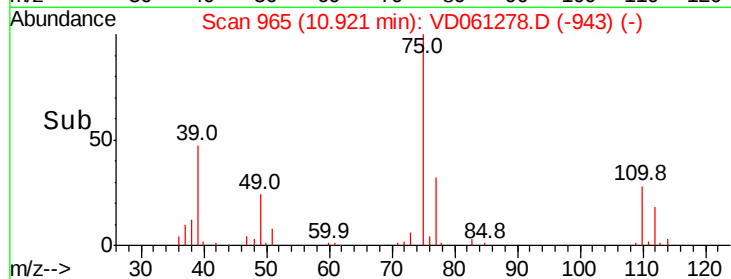
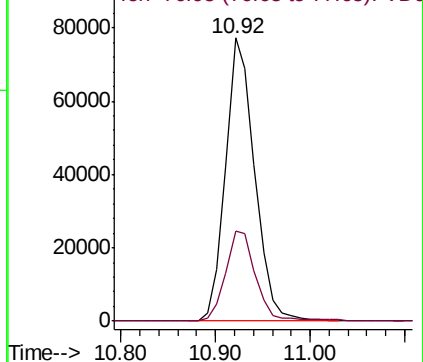
MMDadoda

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 25.176 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

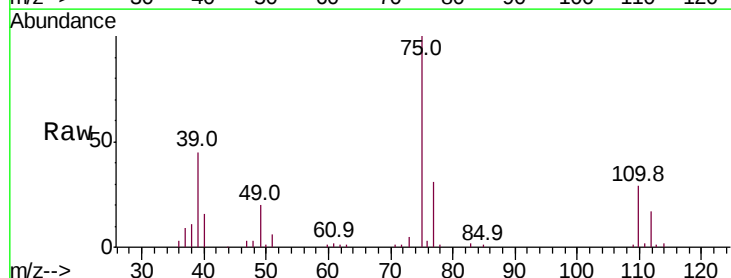
Tgt Ion: 75 Resp: 218225

Ion Ratio Lower Upper

75 100

77 31.1 26.2 39.4

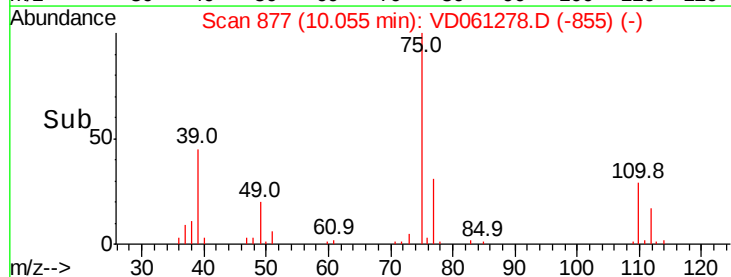
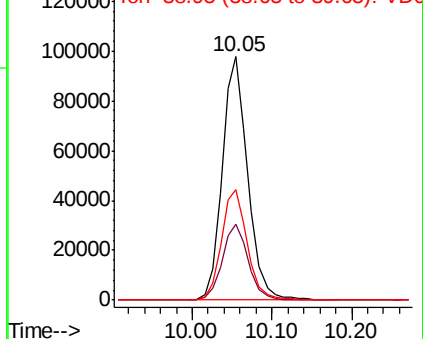
39 45.5 37.8 56.8

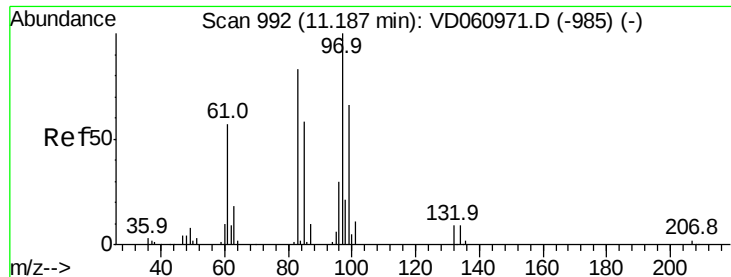


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





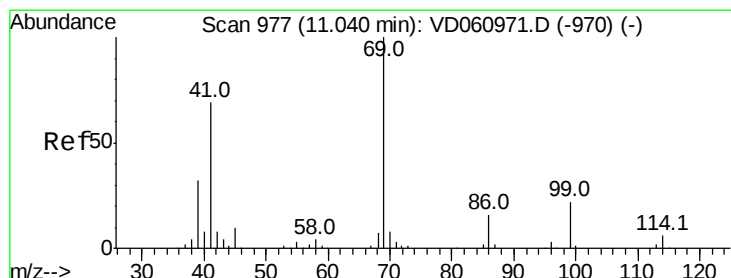
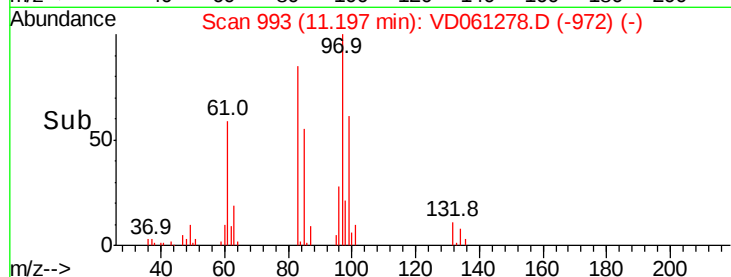
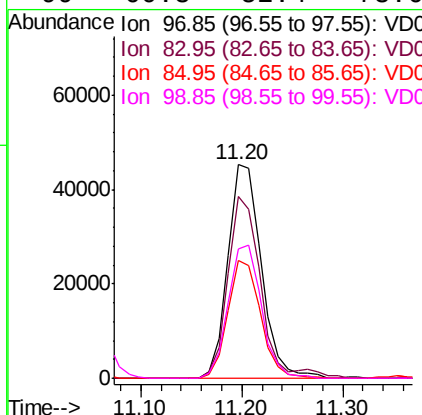
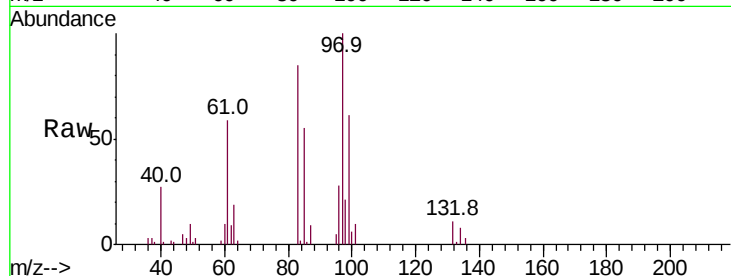
#55
1,1,2-Trichloroethane
Concen: 23.988 ug/l
RT: 11.20 min Scan# 993
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.6	100.0
85	55.3	46.4	69.6
99	60.8	52.4	78.6

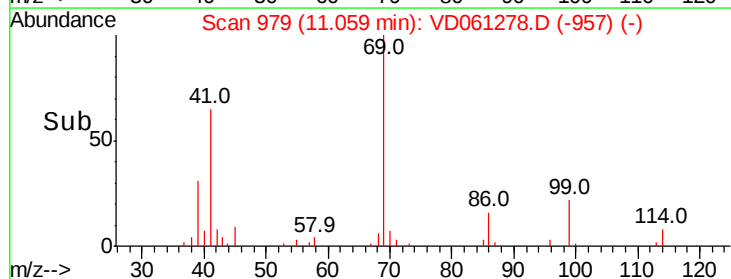
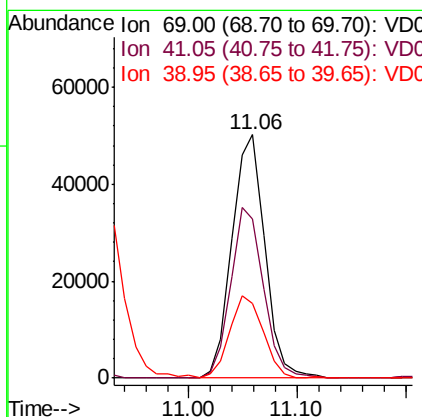
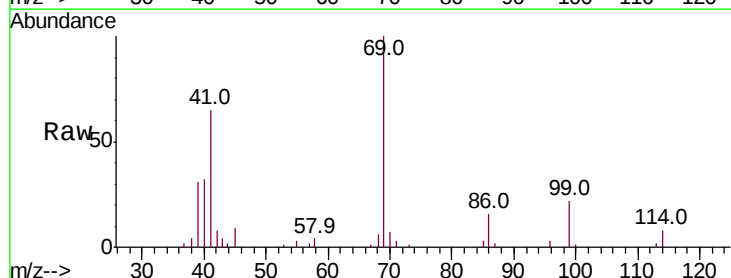
Manual Integrations
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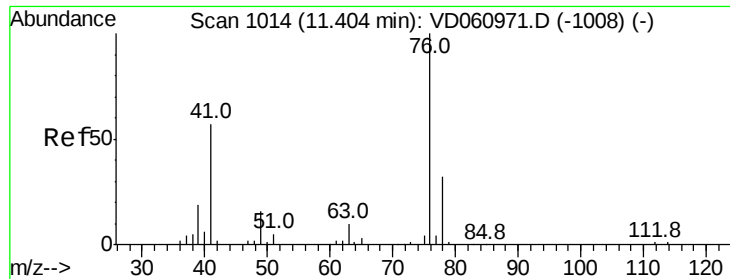
MMDadoda
3/26/2019 2:40:38 PM



#56
Ethyl methacrylate
Concen: 23.325 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	55.5	83.3
39	30.8	26.2	39.2





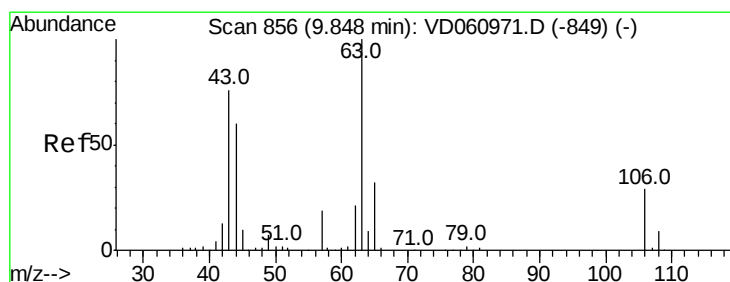
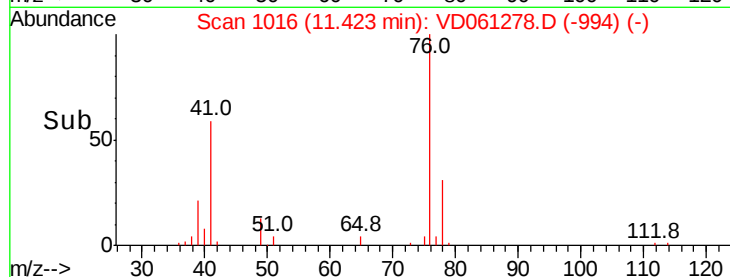
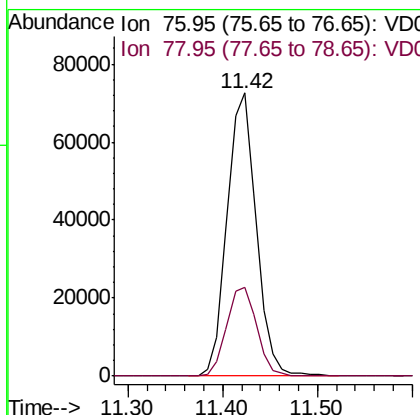
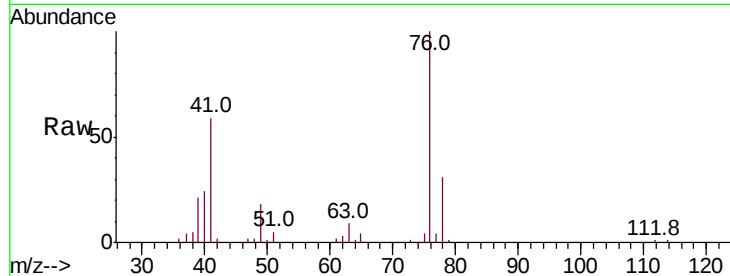
#57
 1,3-Dichloropropane
 Concen: 23.791 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion: 76 Resp: 154463
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.0

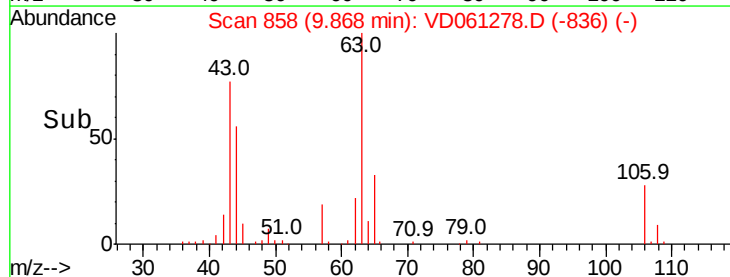
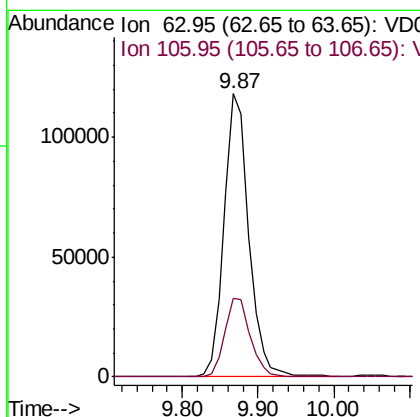
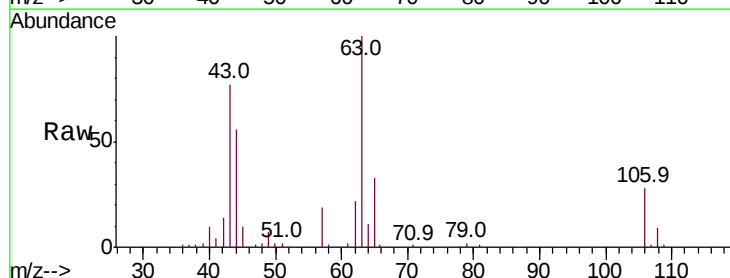
Manual Integrations
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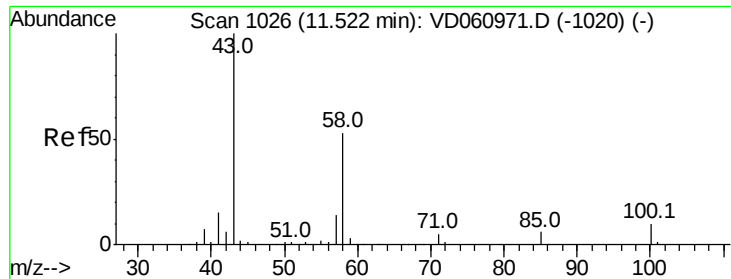
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.904 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion: 63 Resp: 266958
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.8 34.2





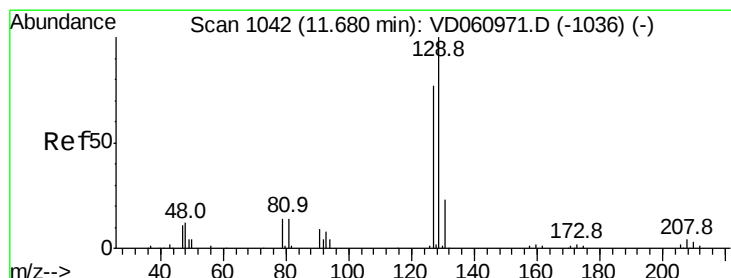
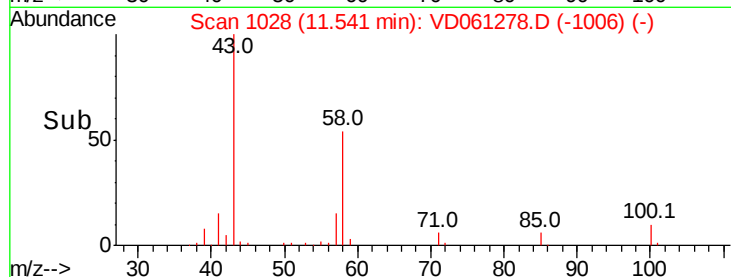
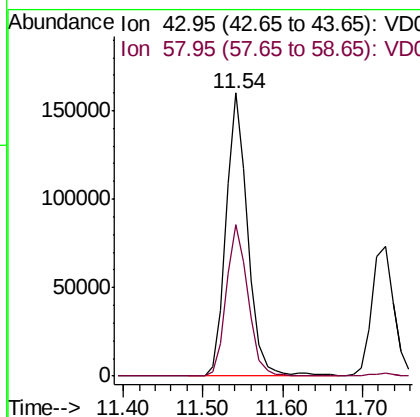
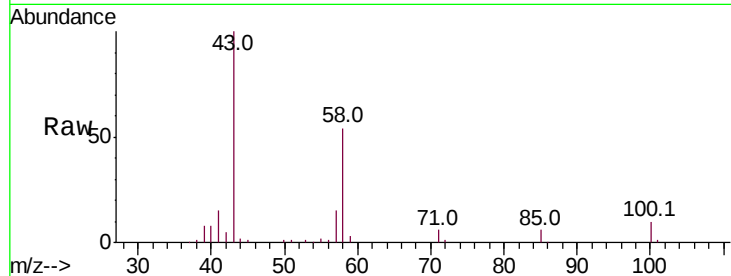
#59
2-Hexanone
Concen: 124.952 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 43 Resp: 305566
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5

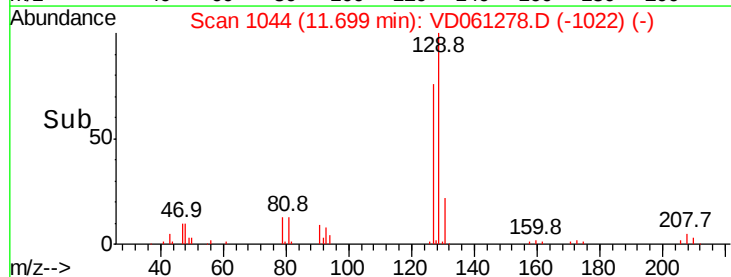
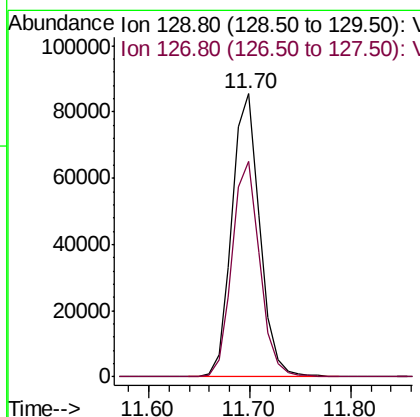
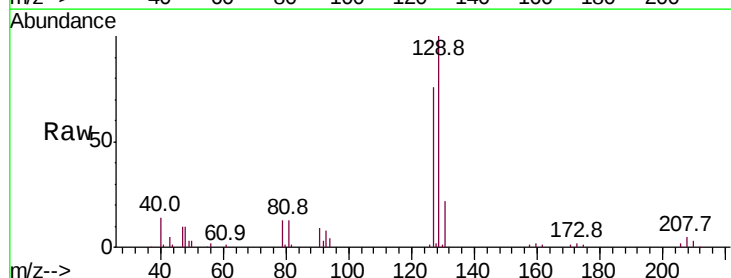
Manual Integrations
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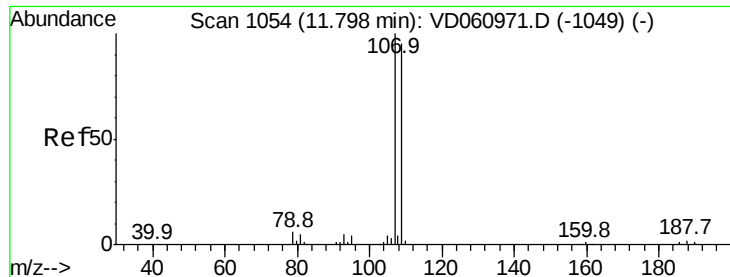
MMDadoda
3/26/2019 2:40:38 PM



#60
Dibromochloromethane
Concen: 25.604 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion: 129 Resp: 163710
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9





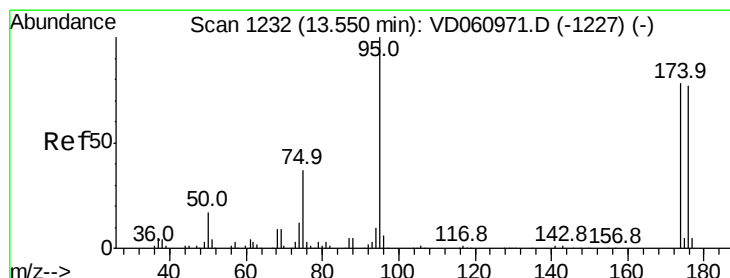
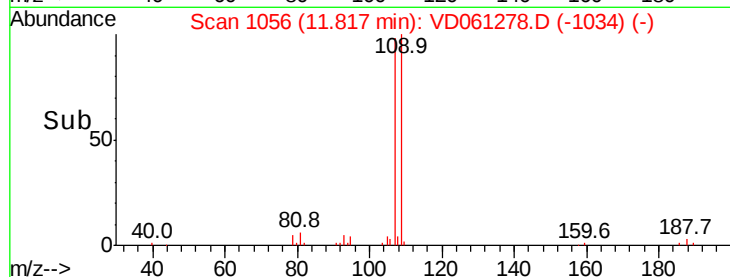
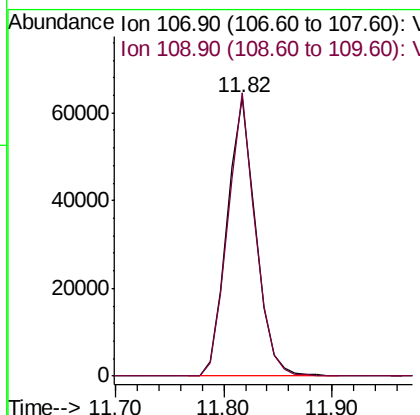
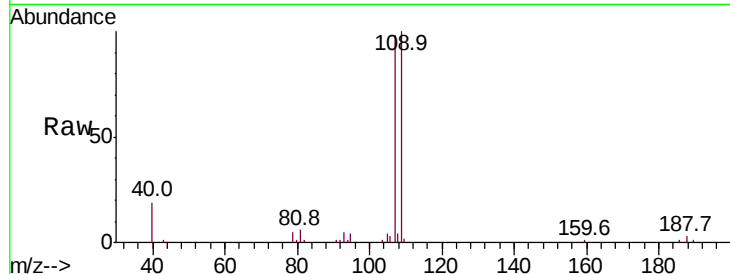
#61
1,2-Dibromoethane
Concen: 23.134 ug/l
RT: 11.82 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	101.6	75.6	113.4

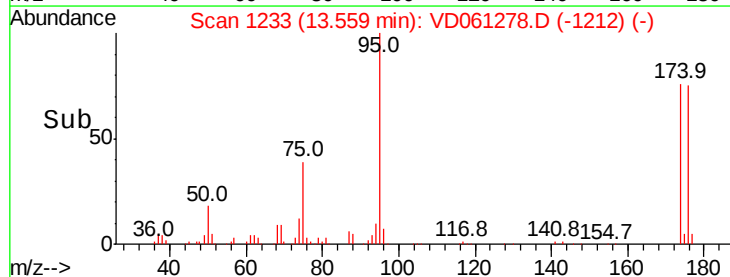
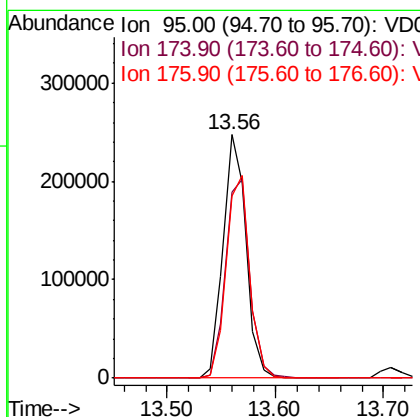
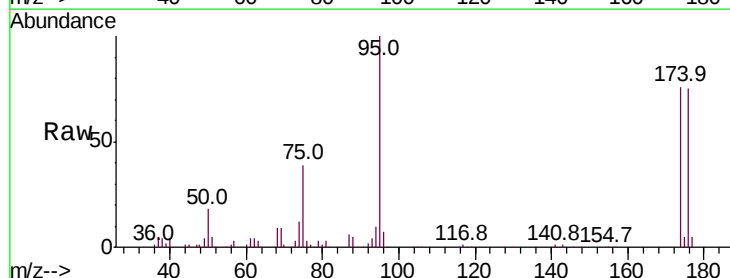
Manual Integrations
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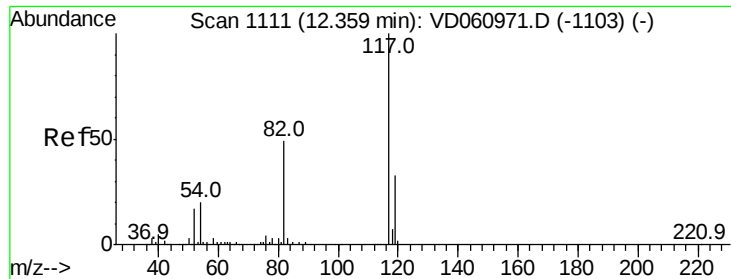
MMDadoda
3/26/2019 2:40:38 PM



#62
4-Bromofluorobenzene
Concen: 23.134 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	155.6
176	74.8	0.0	153.8





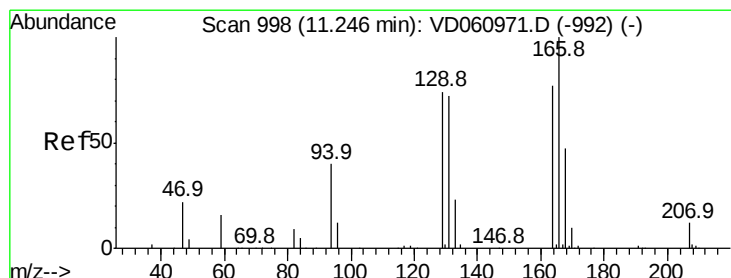
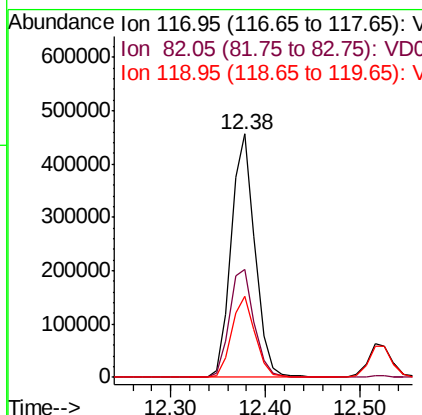
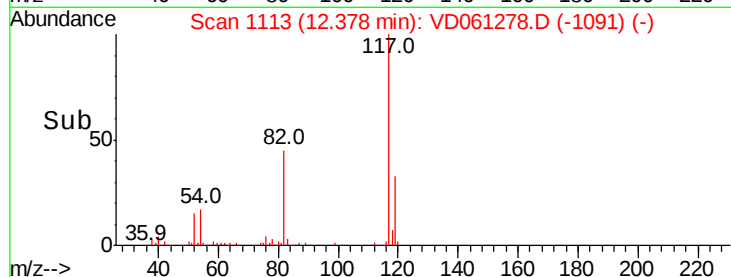
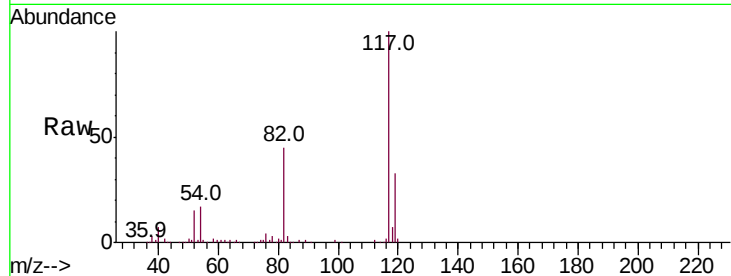
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	791492		
82	44.5		38.9	58.3
119	33.2		26.6	39.8

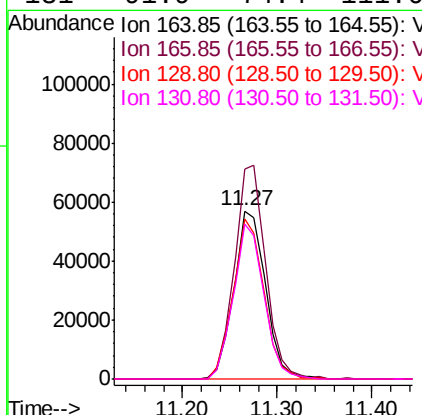
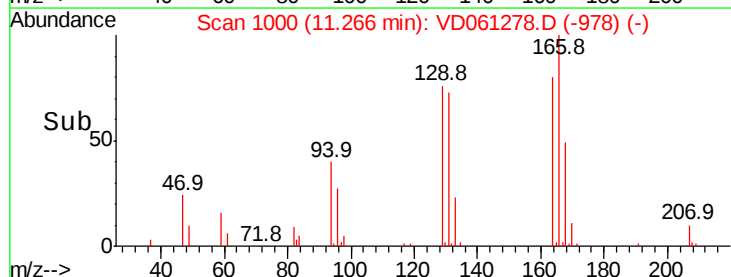
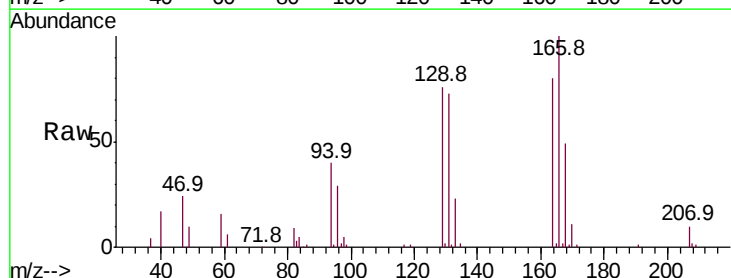
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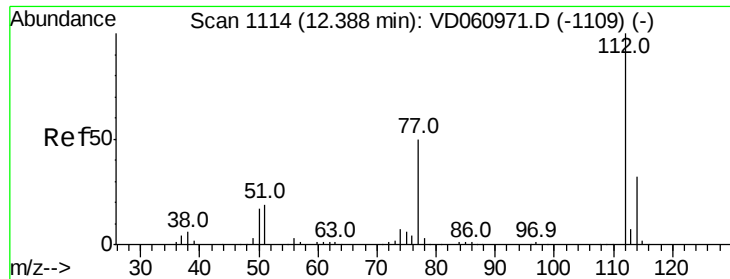
MMDadoda
3/26/2019 2:40:38 PM



#64
Tetrachloroethene
Concen: 24.688 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131906		
166	125.2		103.4	155.0
129	95.4		76.9	115.3
131	91.9		74.4	111.6





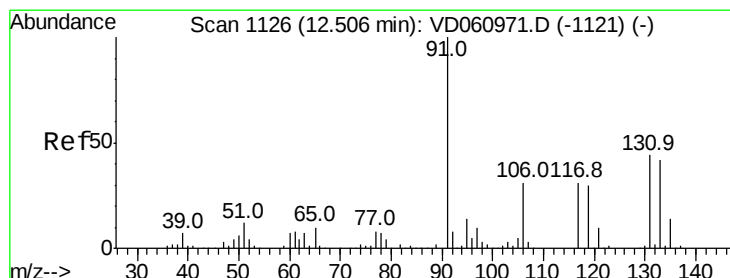
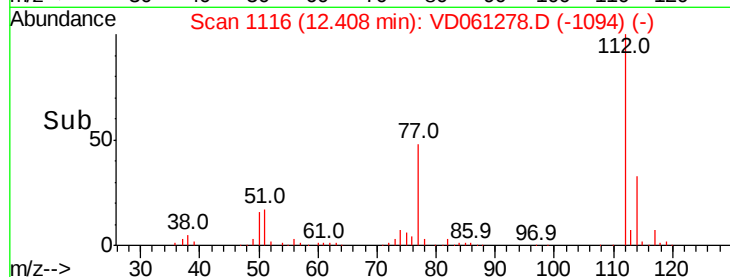
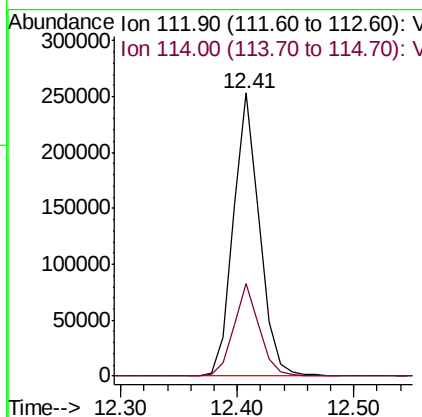
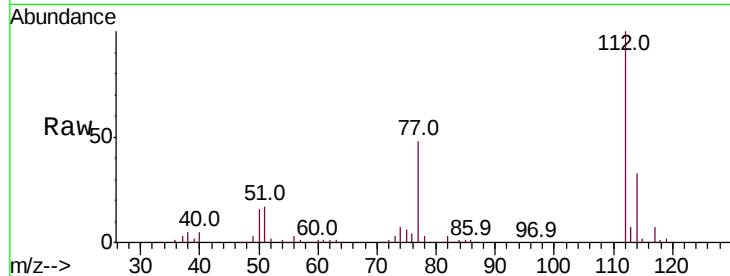
#65
Chlorobenzene
Concen: 25.336 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion:112 Resp: 393135
Ion Ratio Lower Upper
112 100
114 32.9 26.0 39.0

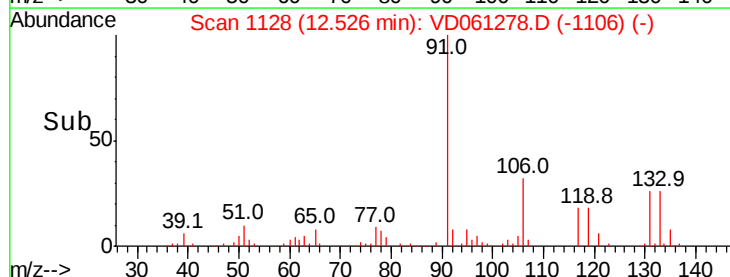
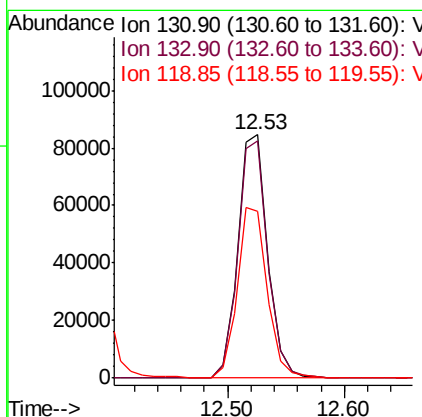
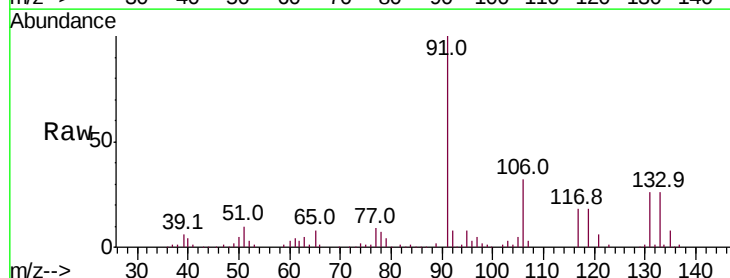
Manual Integrations
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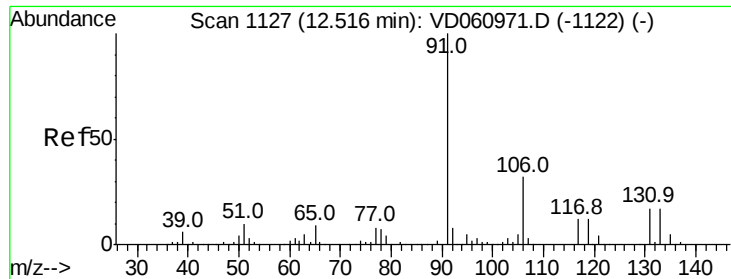
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 26.916 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion:131 Resp: 148870
Ion Ratio Lower Upper
131 100
133 97.7 47.8 143.3
119 68.4 34.3 102.9





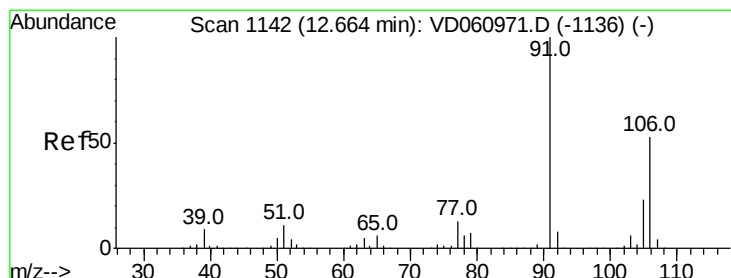
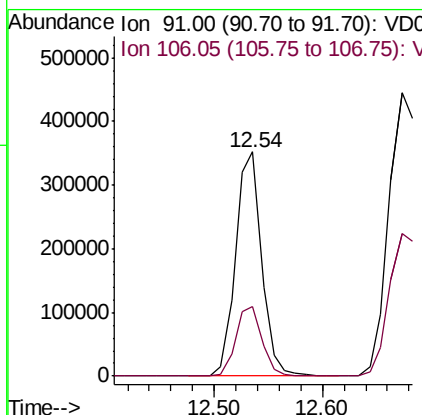
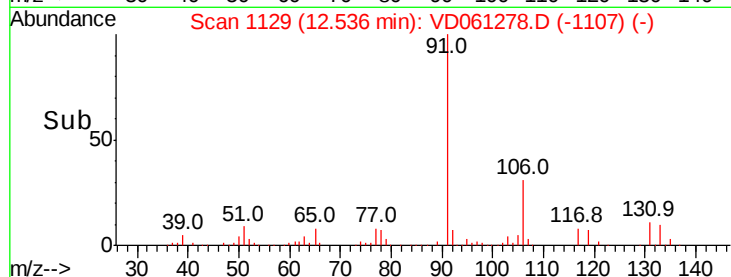
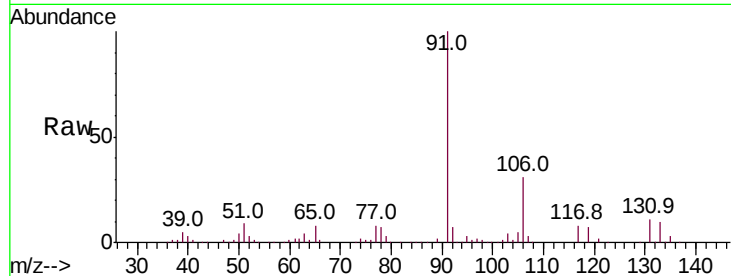
#67
Ethyl Benzene
Concen: 25.443 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion: 91 Resp: 587736
Ion Ratio Lower Upper
91 100
106 31.3 25.7 38.5

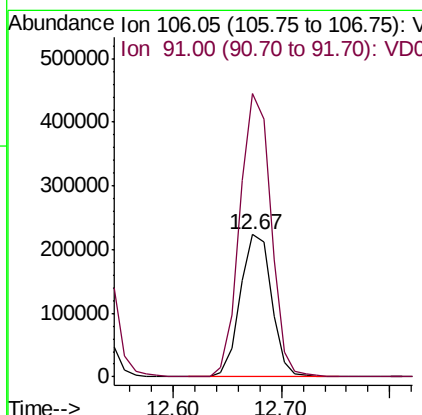
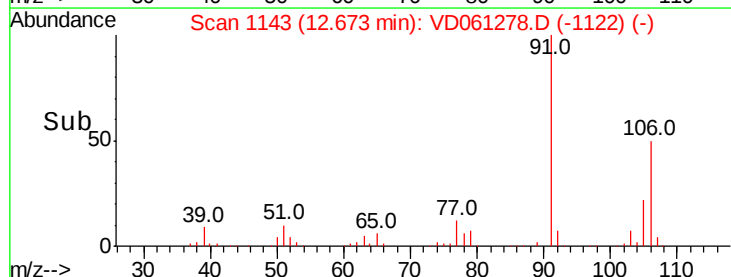
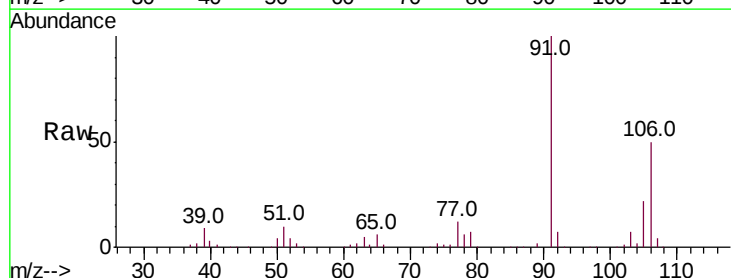
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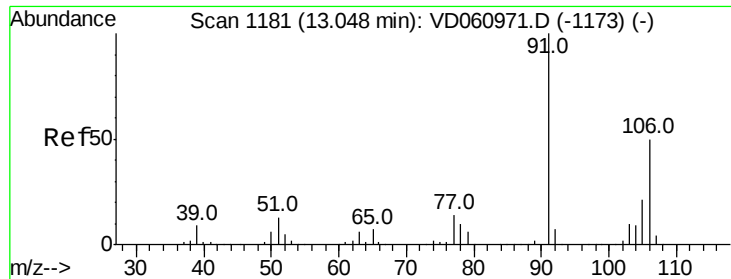
MMDadoda
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#68
m/p-Xylenes
Concen: 50.135 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion: 106 Resp: 454558
Ion Ratio Lower Upper
106 100
91 199.2 152.0 228.0





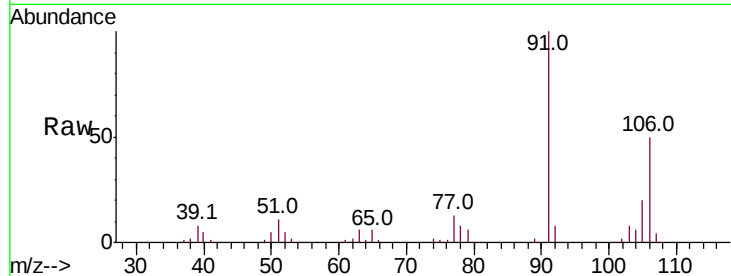
#69
o-Xylene
Concen: 25.594 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

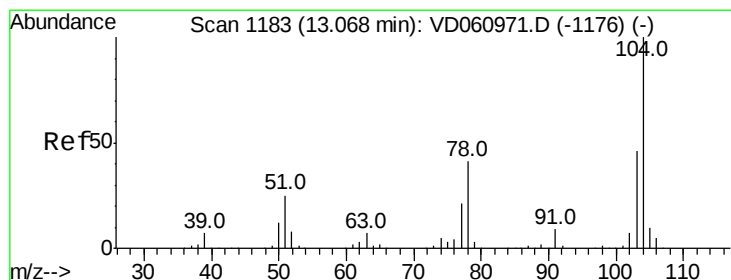
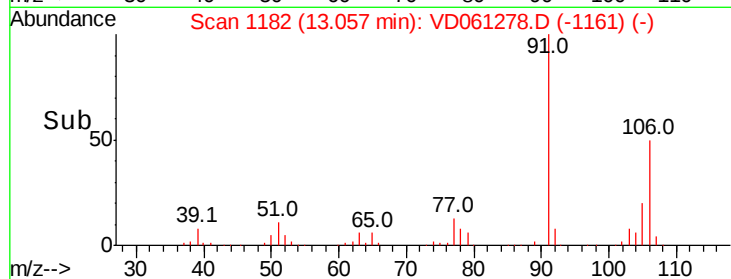
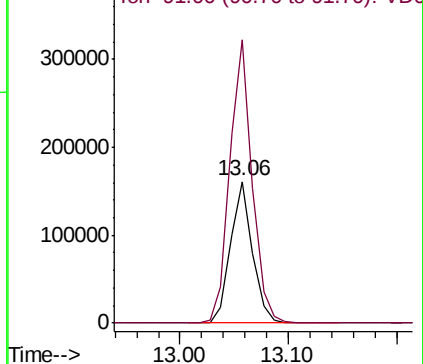
Tot Ion:106 Resp: 228097
Ion Ratio Lower Upper
106 100
91 199.8 99.8 299.3

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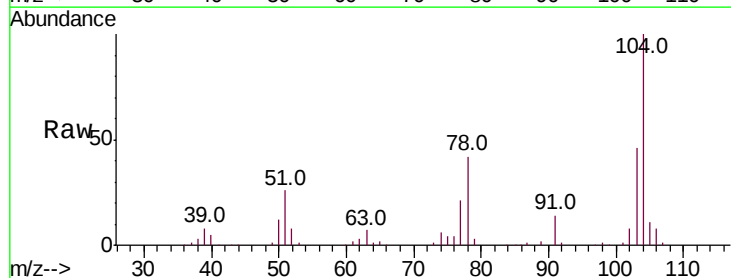


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

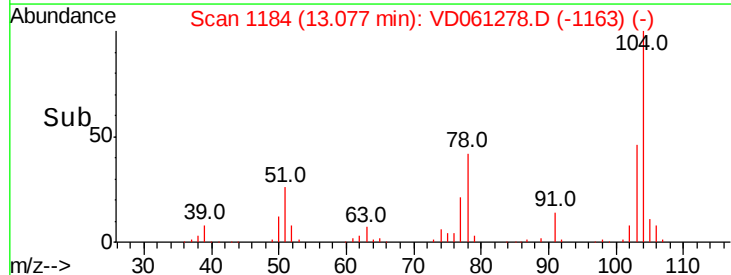
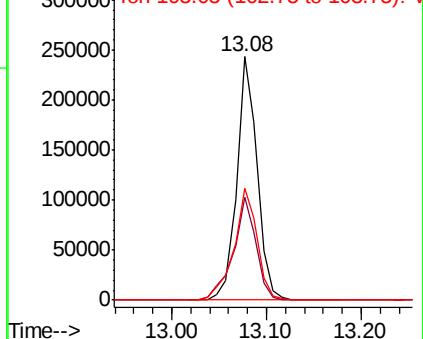


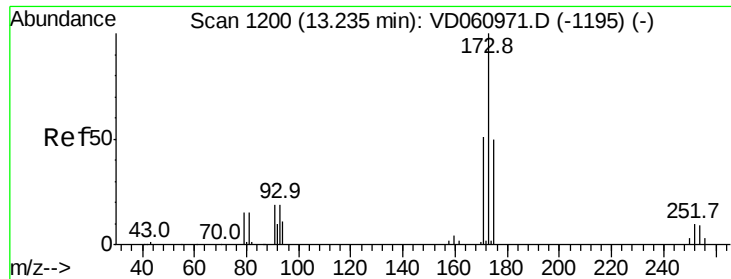
#70
Styrene
Concen: 24.807 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion:104 Resp: 361018
Ion Ratio Lower Upper
104 100
78 42.3 33.0 49.4
103 45.9 37.1 55.7



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





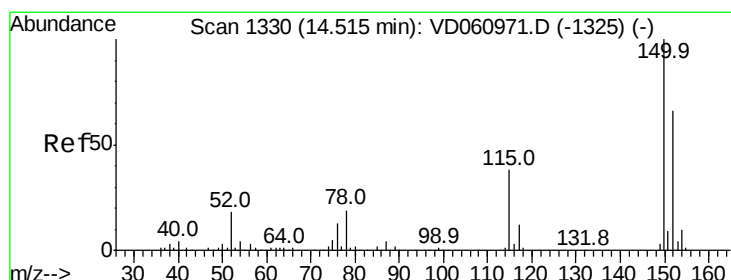
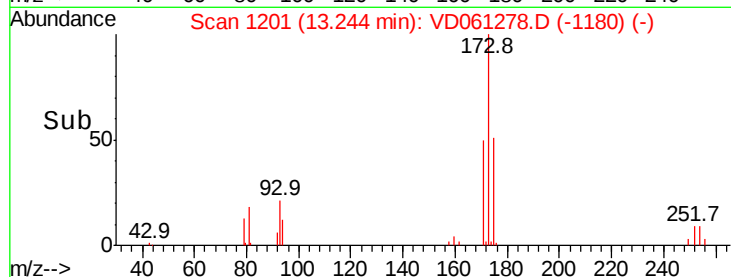
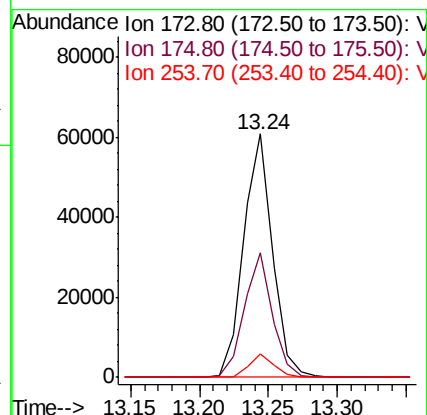
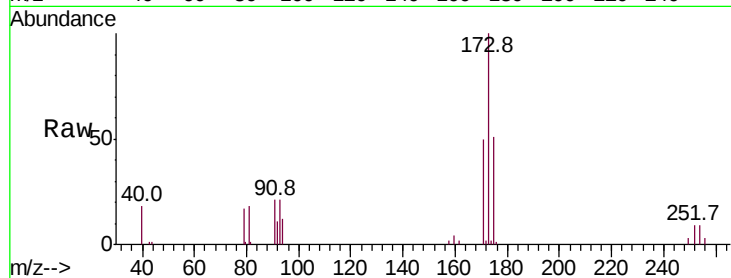
#71
Bromoform
Concen: 24.846 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.1	24.9	74.8
254	9.4	7.3	10.9

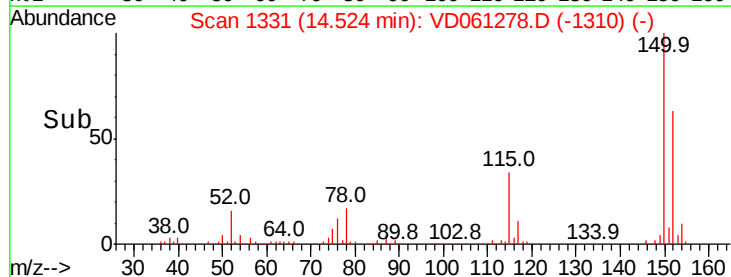
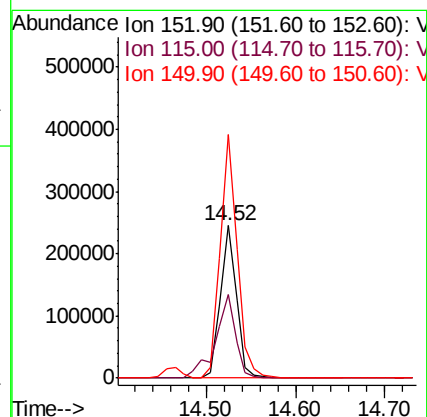
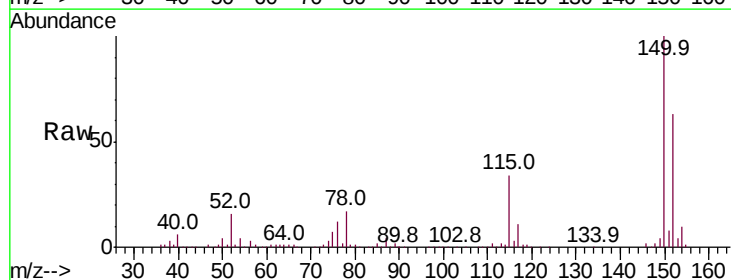
Manual Integrations
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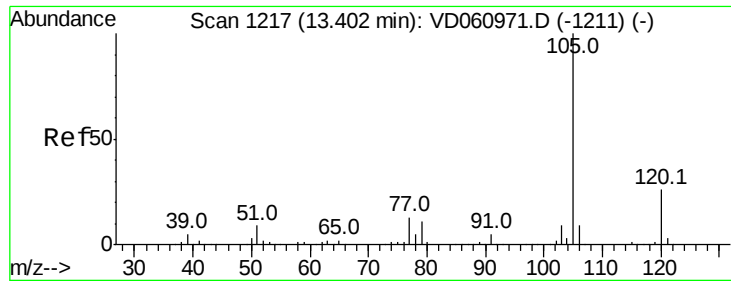
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	28.6	85.9
150	159.7	0.0	310.6





#73

Isopropylbenzene

Concen: 26.192 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion:105 Resp: 585984

Ion Ratio Lower Upper

105 100

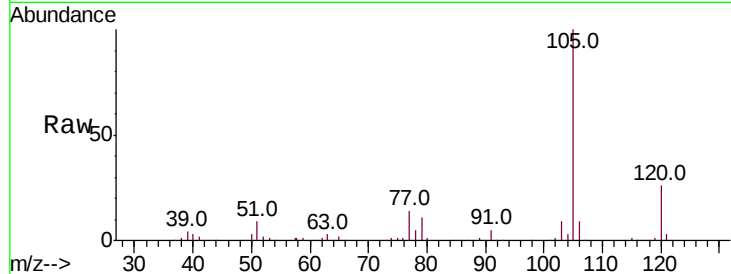
120 26.1 12.8 38.4

Manual Integrations

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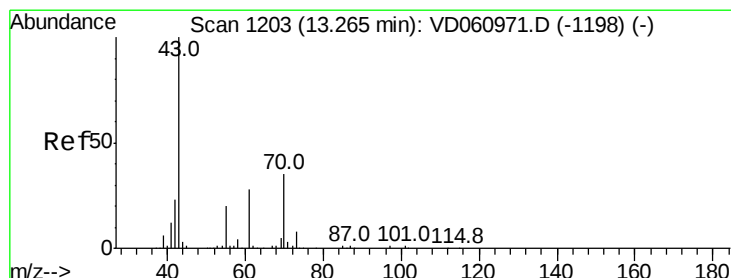
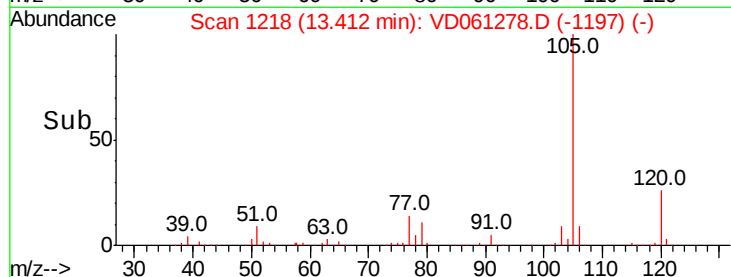
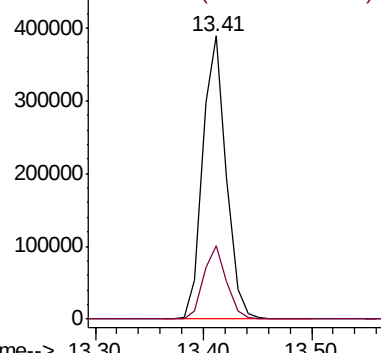
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 25.074 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Tgt Ion: 43 Resp: 157957

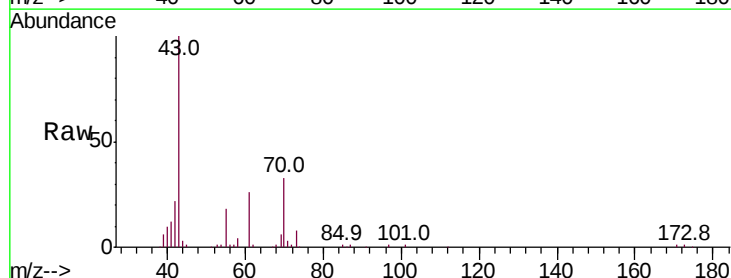
Ion Ratio Lower Upper

43 100

70 32.8 27.7 41.5

55 17.6 16.2 24.2

61 26.2 22.3 33.5

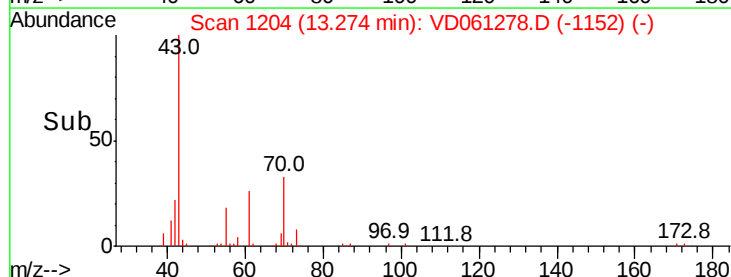
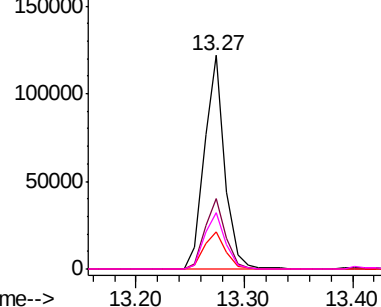


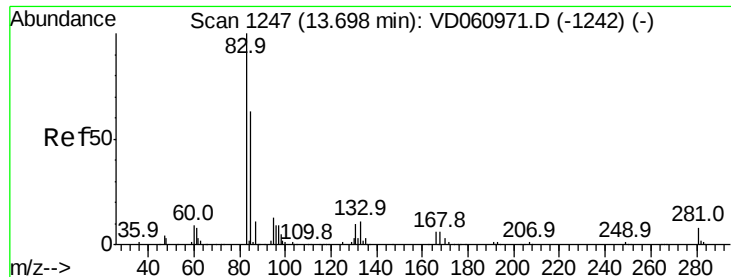
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 25.406 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 83 Resp: 110901

Ion Ratio Lower Upper

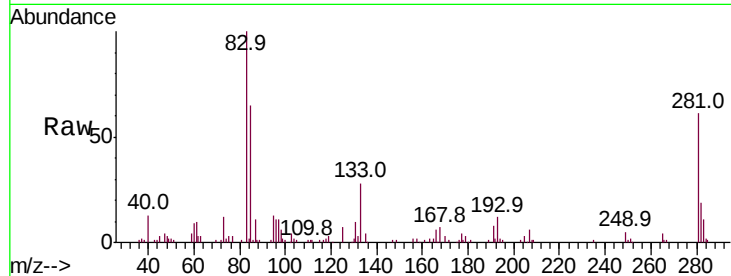
83 100

131 10.5 5.1 15.3

85 65.3 31.5 94.5

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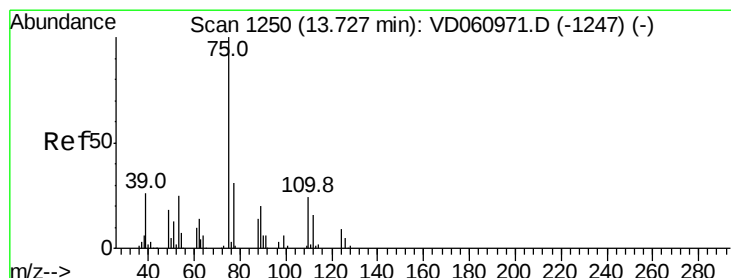
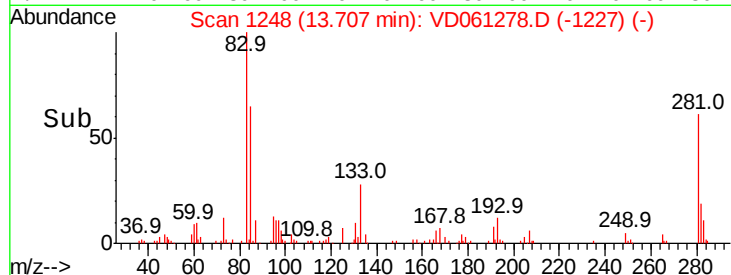
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

13.71

Time--> 13.60 13.70 13.80



#76

1,2,3-Trichloropropane

Concen: 27.957 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061278.D

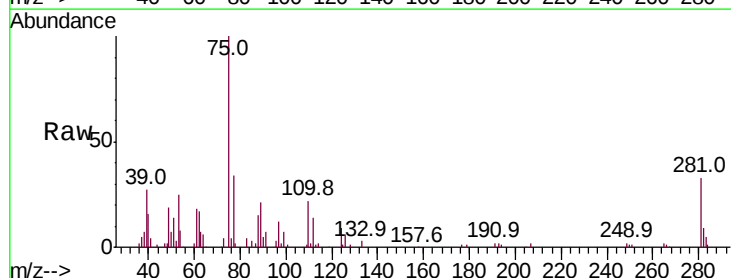
Acq: 23 Mar 2019 14:06

Tgt Ion: 75 Resp: 124863

Ion Ratio Lower Upper

75 100

77 34.2 16.6 49.7

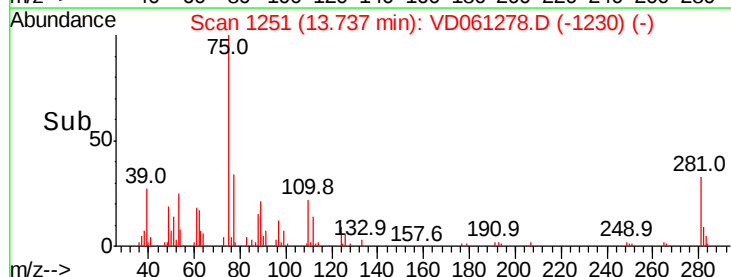


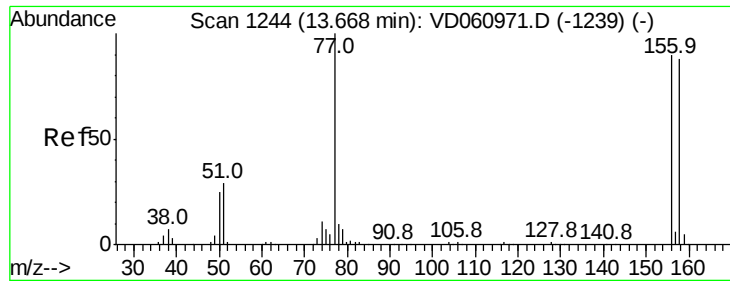
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.74

Time--> 13.65 13.70 13.75 13.80





#77

Bromobenzene

Concen: 28.490 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion:156 Resp: 162713

Ion Ratio Lower Upper

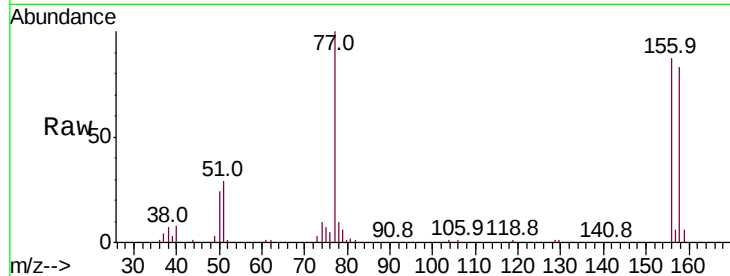
156 100

77 114.4 55.5 166.7

158 95.2 49.0 147.0

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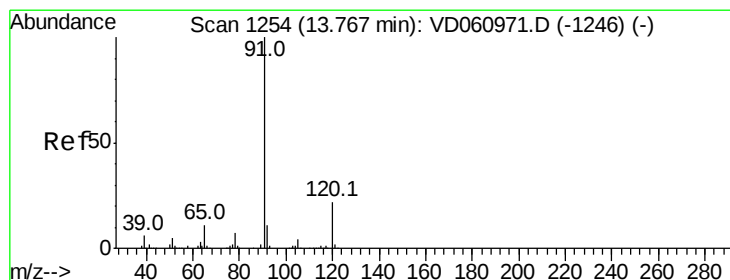
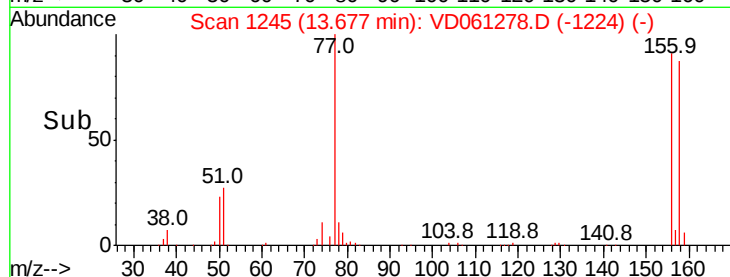
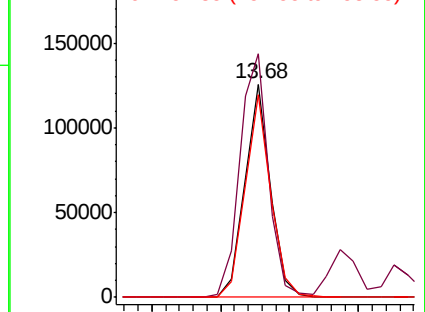
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 27.268 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061278.D

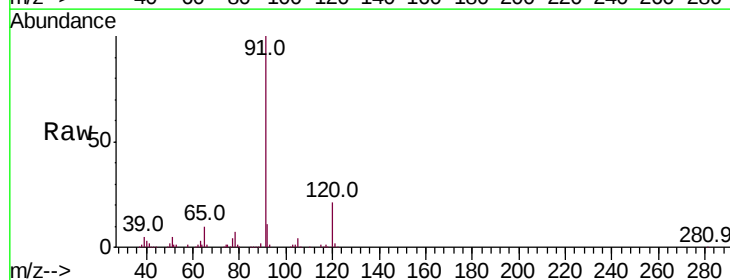
Acq: 23 Mar 2019 14:06

Tgt Ion: 91 Resp: 714194

Ion Ratio Lower Upper

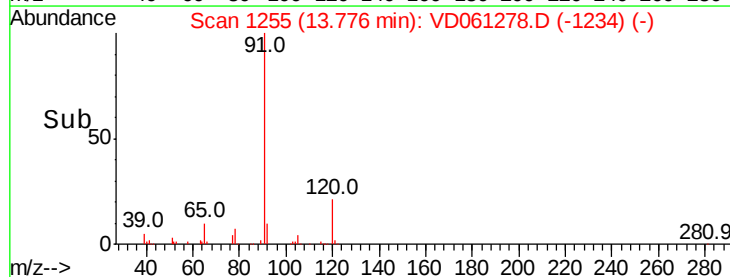
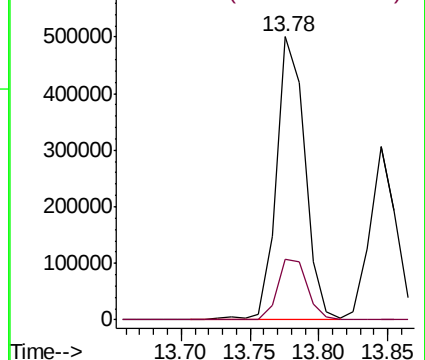
91 100

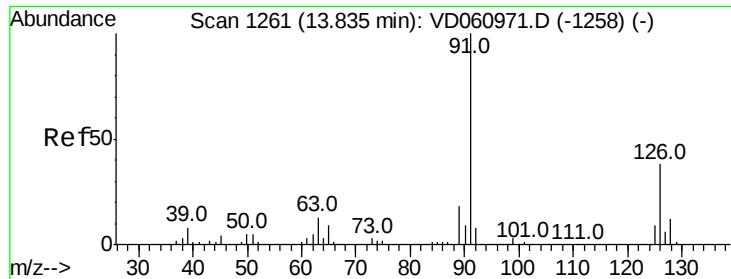
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 27.885 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061278.D

Acq: 23 Mar 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0323SBS01

Tot Ion: 91 Resp: 402103

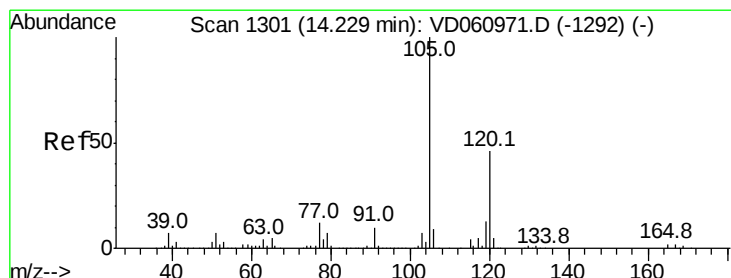
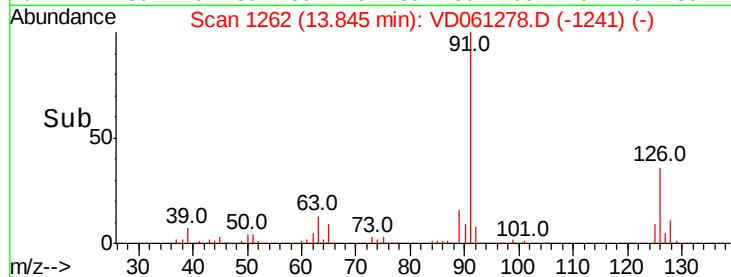
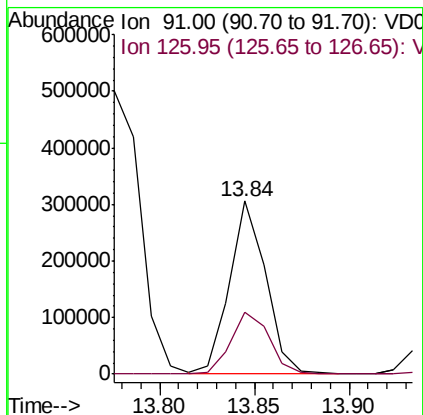
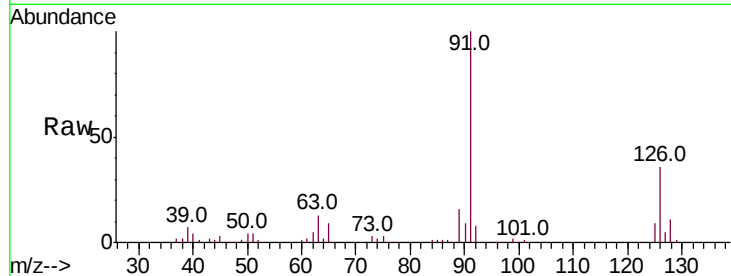
Ion Ratio Lower Upper

91 100

126 35.8 18.6 55.6

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 29.567 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061278.D

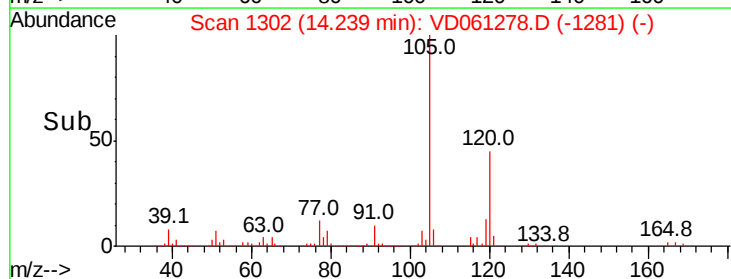
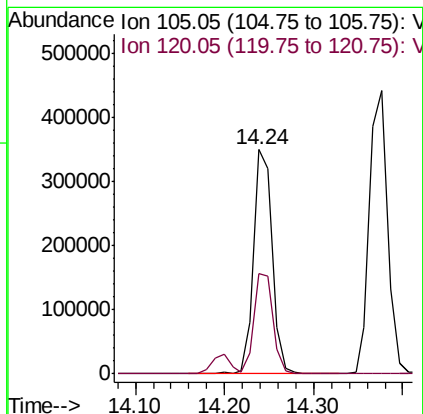
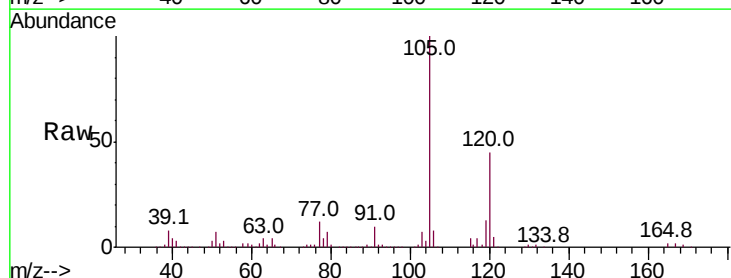
Acq: 23 Mar 2019 14:06

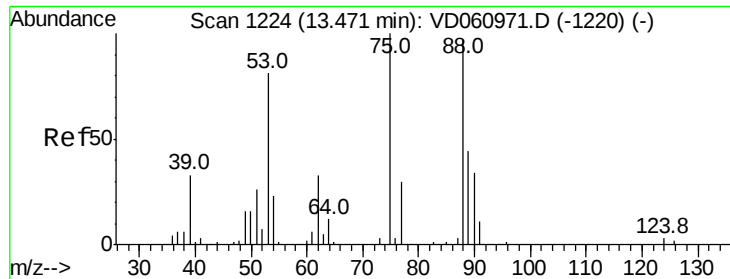
Tgt Ion:105 Resp: 502200

Ion Ratio Lower Upper

105 100

120 44.7 22.9 68.5





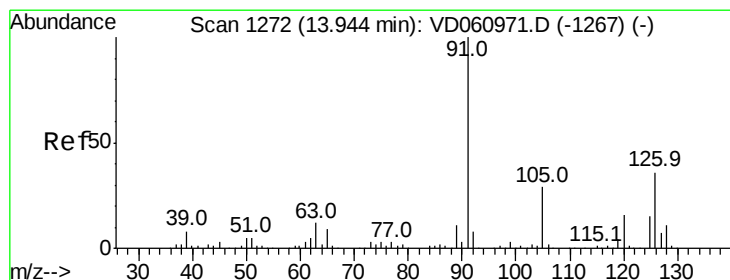
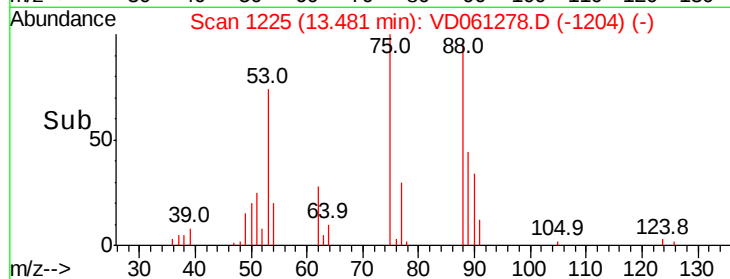
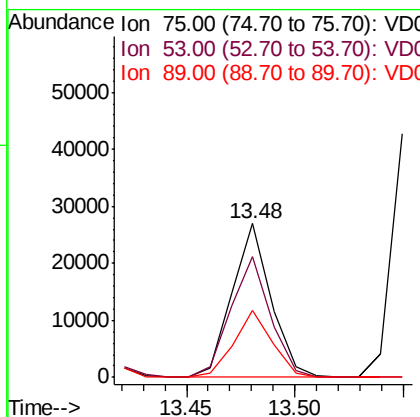
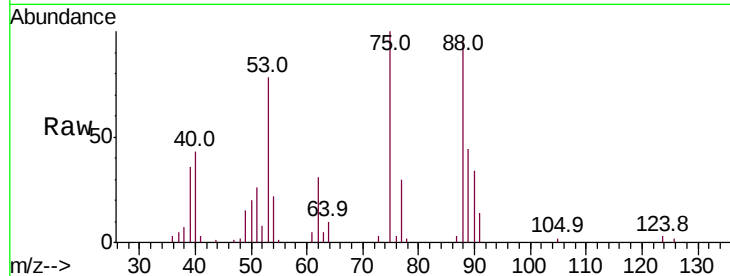
#81
trans-1,4-Dichloro-2-butene
Concen: 25.614 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.4	64.4	96.6
89	43.5	34.8	52.2

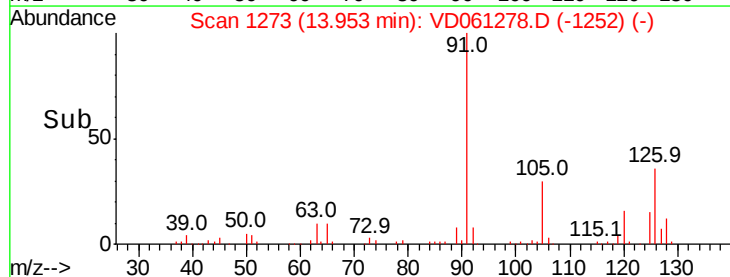
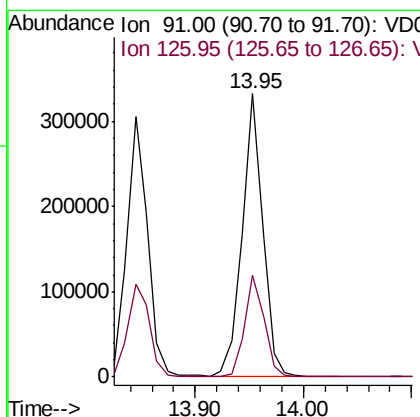
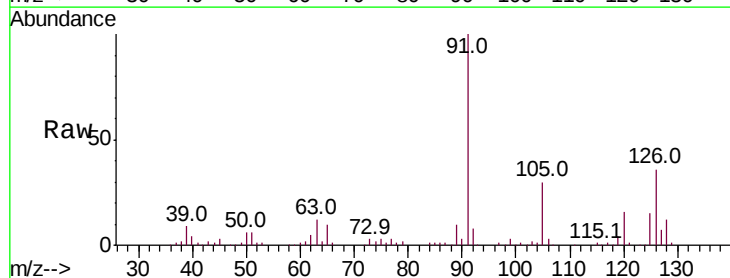
Manual Integrations
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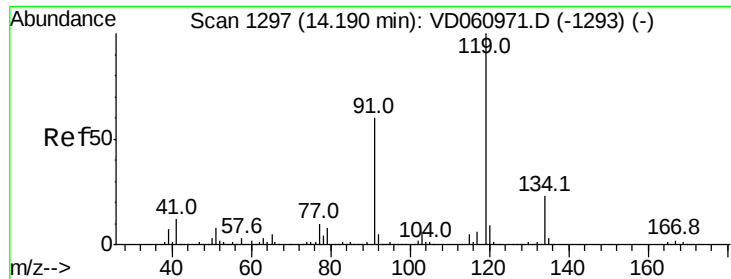
MMDadoda
3/26/2019 2:40:38 PM



#82
4-Chlorotoluene
Concen: 25.746 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.0	54.0





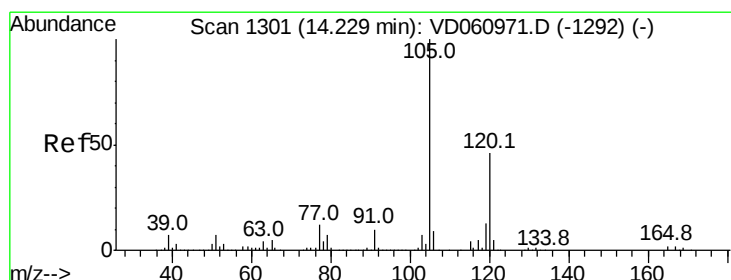
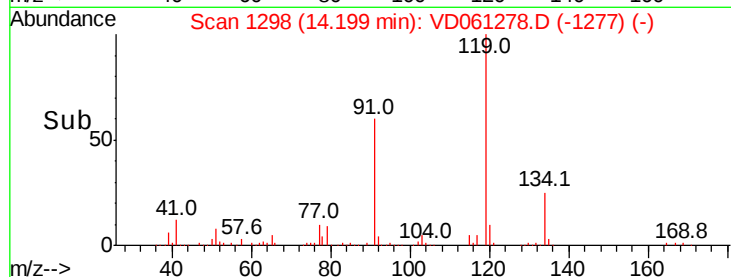
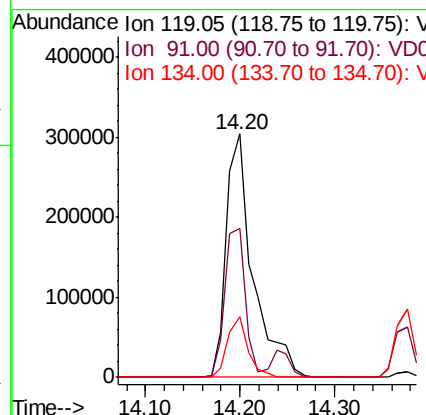
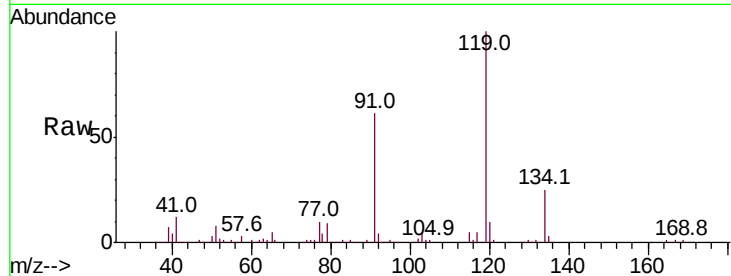
#83
tert-Butylbenzene
Concen: 32.050 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	595741		
91	61.0		30.1	90.3
134	24.6		11.6	34.7

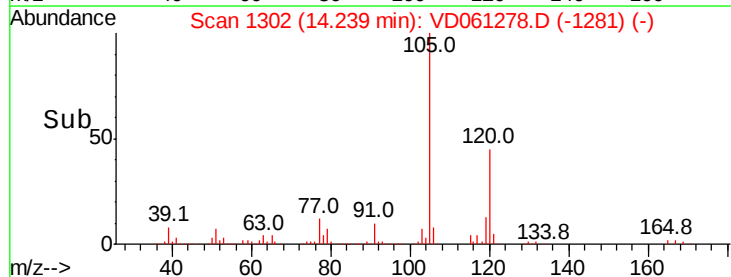
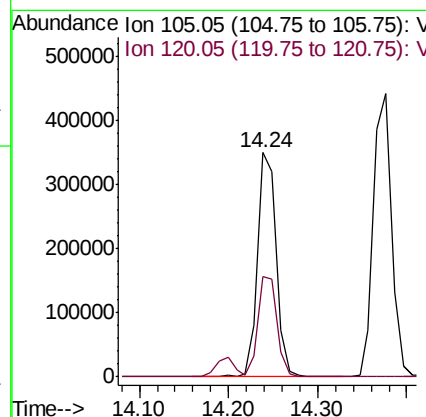
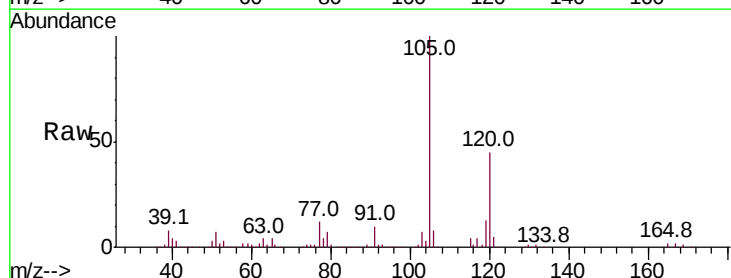
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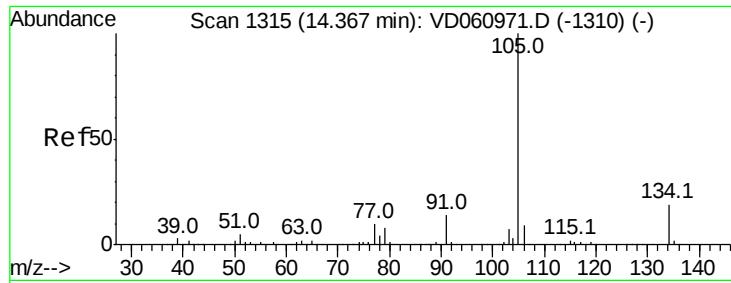
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 29.567 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	502200		
120	44.7		22.9	68.5





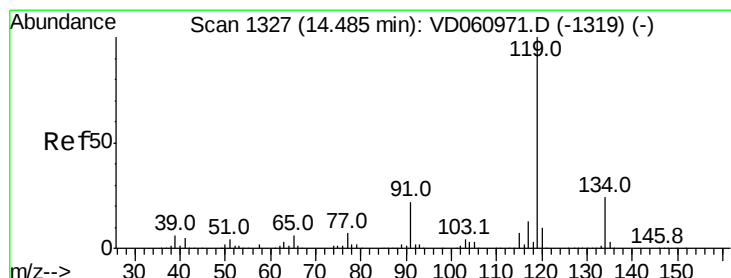
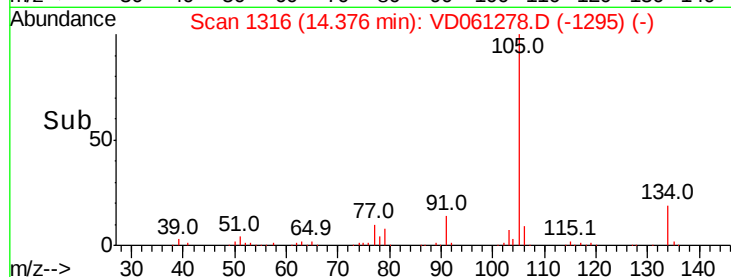
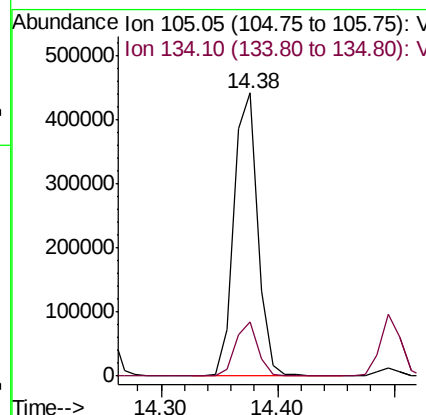
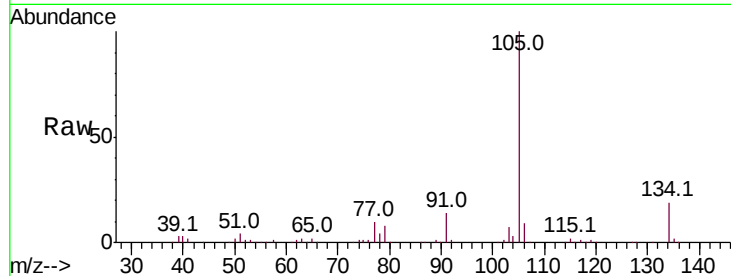
#85
 sec-Butylbenzene
 Concen: 27.563 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBS01

Tot Ion:105 Resp: 625464
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2

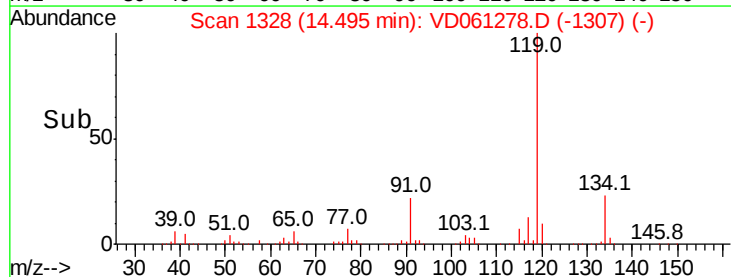
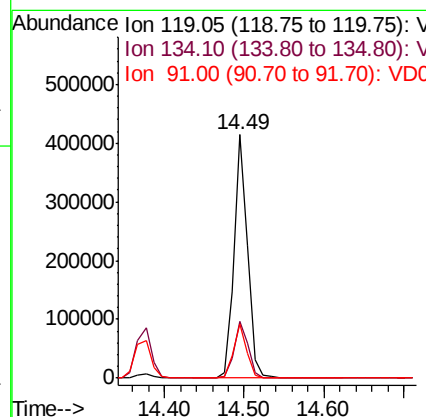
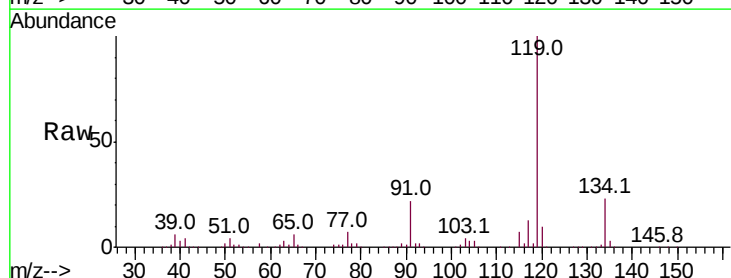
Manual Integrations
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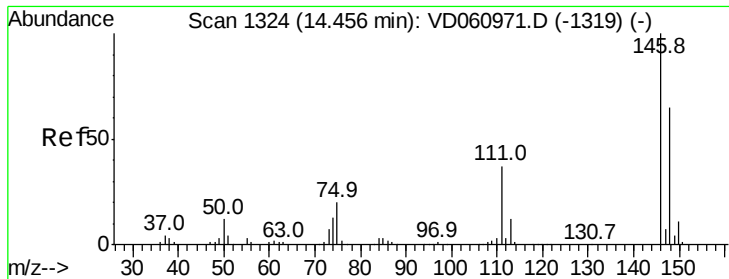
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 3/26/2019 2:40:38 PM



#86
 p-Isopropyltoluene
 Concen: 26.837 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion:119 Resp: 497784
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.0 36.1
 91 22.1 11.2 33.6





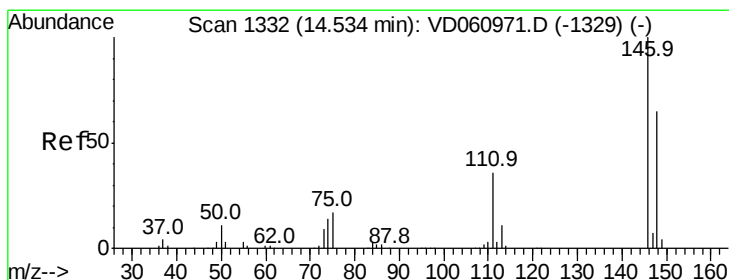
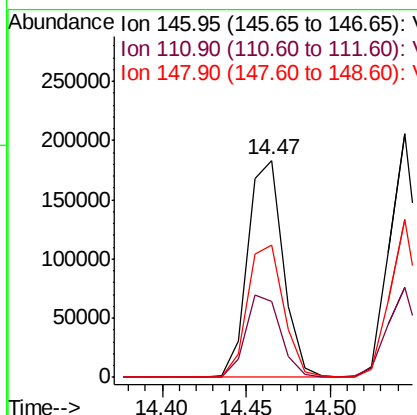
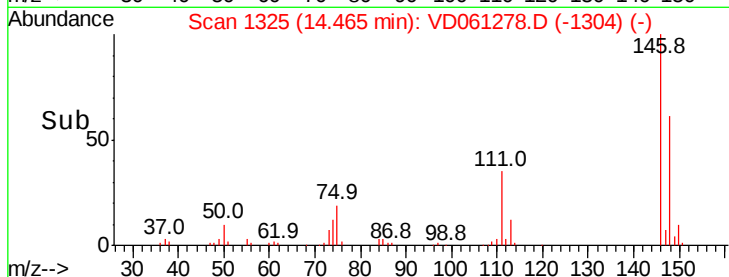
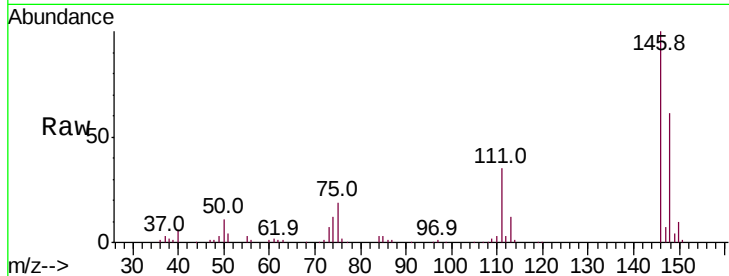
#87
 1,3-Dichlorobenzene
 Concen: 26.307 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0323SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.4	55.4
148	60.8	32.5	97.4

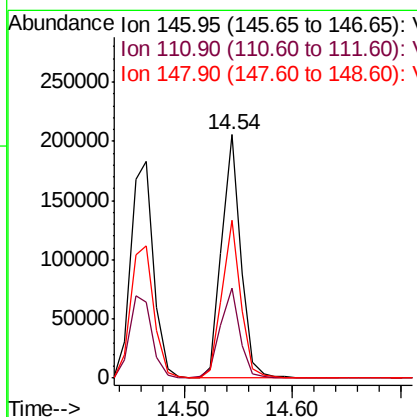
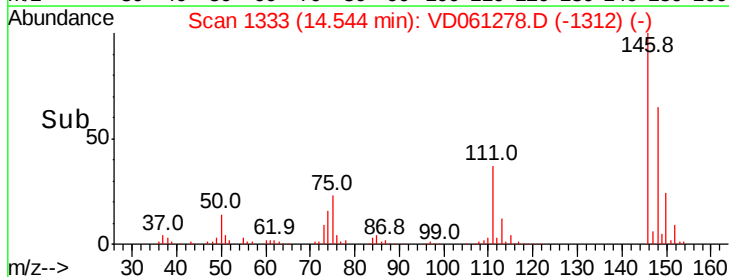
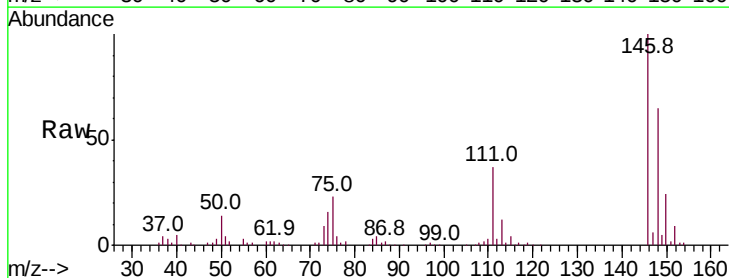
Manual Integrations
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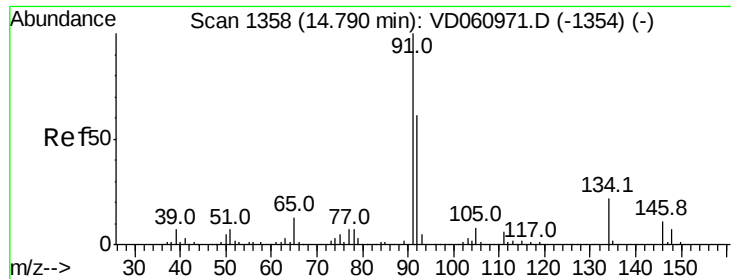
MMDadoda
 3/26/2019 2:40:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 25.365 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.7	32.5	97.5





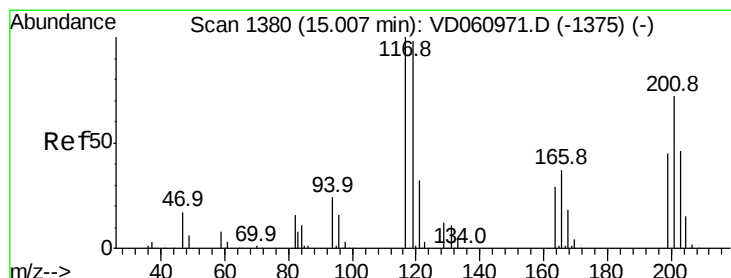
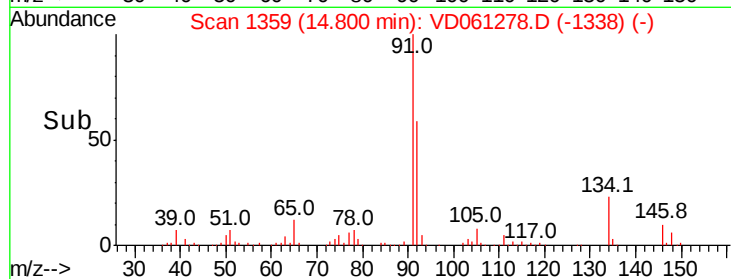
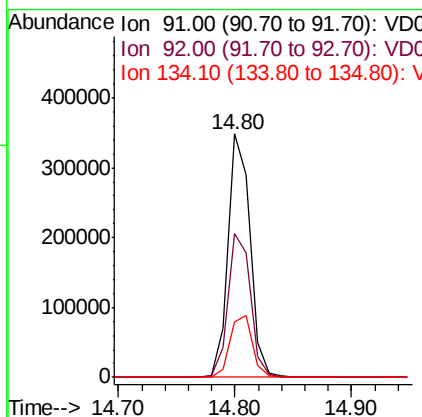
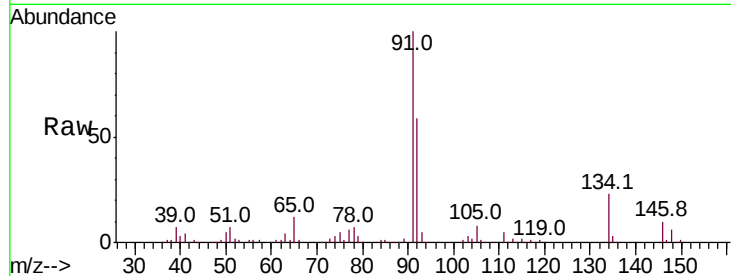
#89
n-Butylbenzene
Concen: 25.751 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	58.8	30.6	91.8	
134	22.9	11.0	33.0	

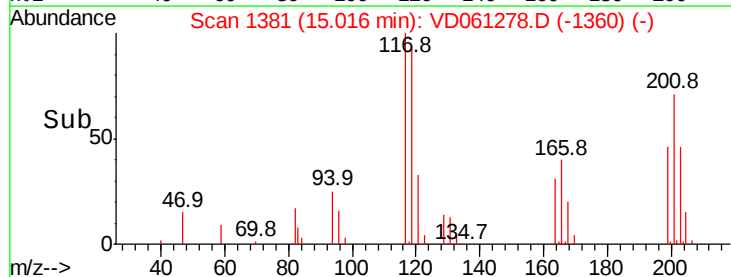
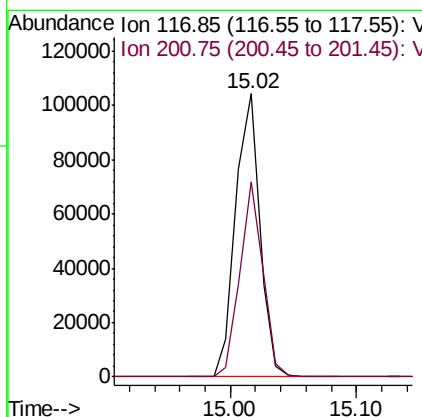
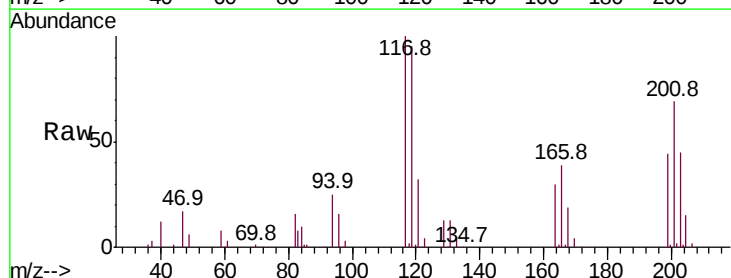
Manual Integrations
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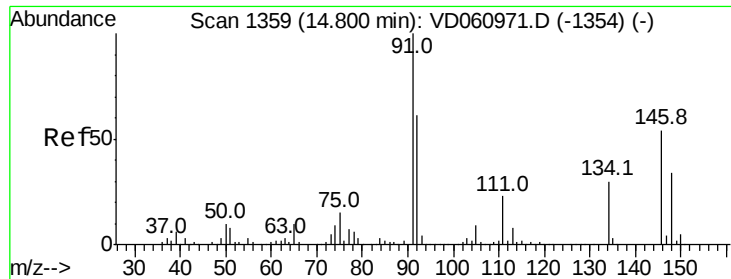
MMDadoda
3/26/2019 2:40:38 PM



#90
Hexachloroethane
Concen: 26.394 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	68.9	36.2	108.6	





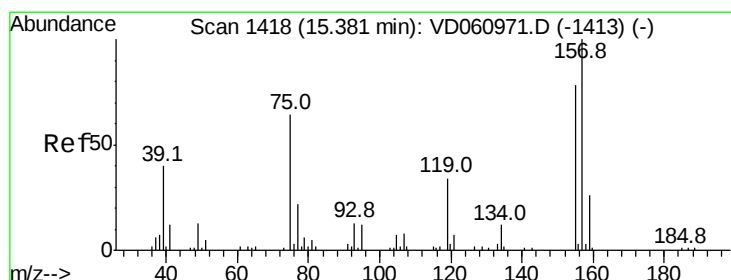
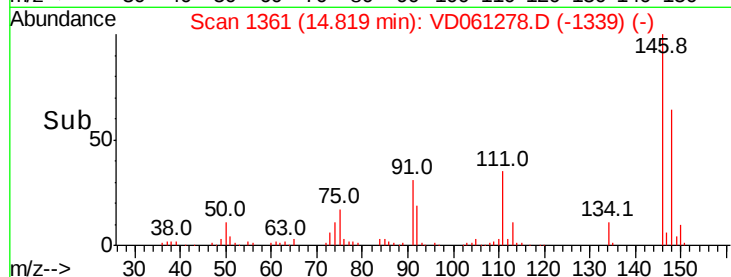
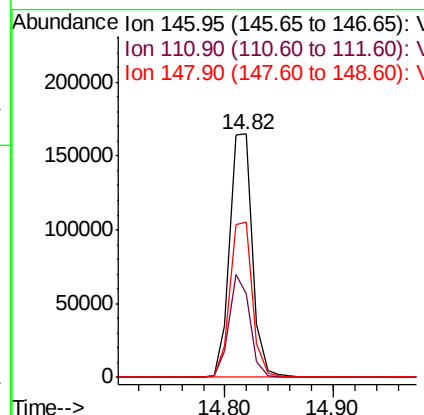
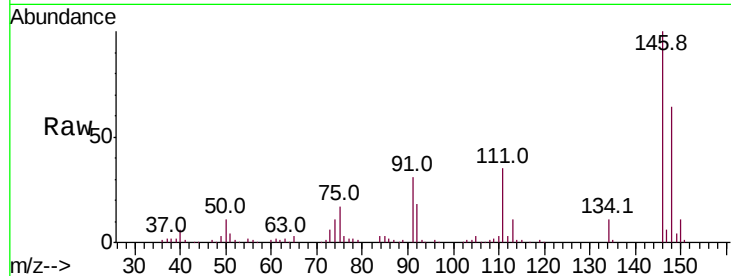
#91
 1,2-Dichlorobenzene
 Concen: 28.549 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	21.5	64.5
148	63.9	30.9	92.8

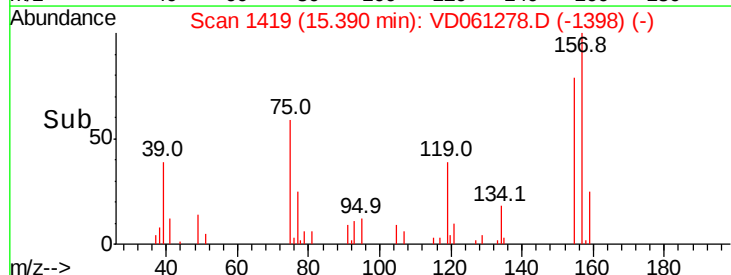
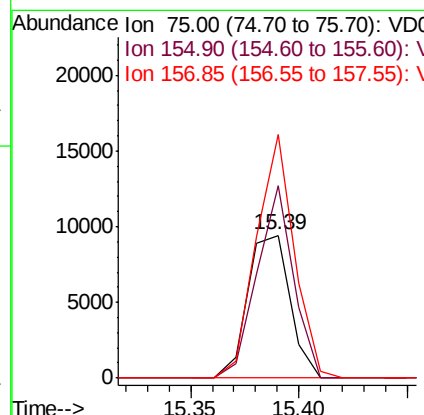
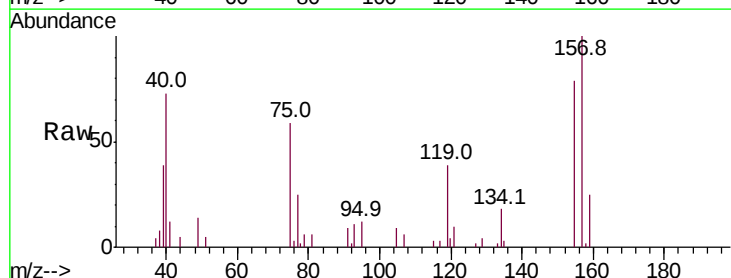
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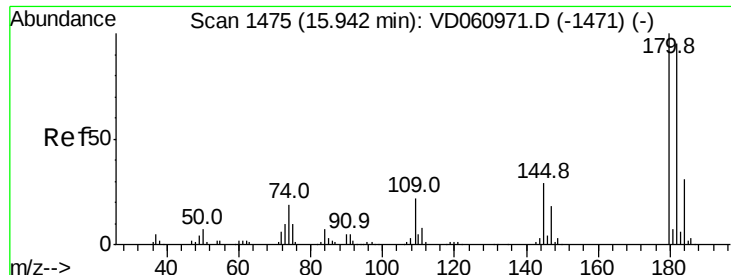
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.663 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	134.9	61.2	183.5
157	170.2	78.3	234.8





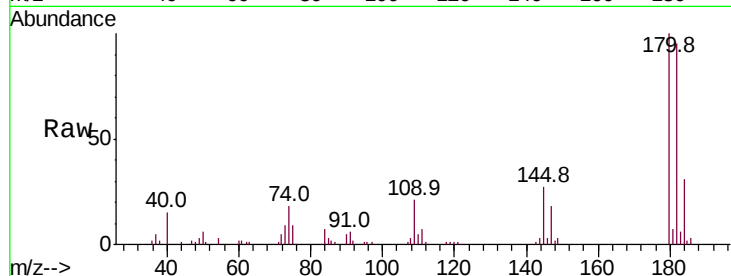
#93
 1,2,4-Trichlorobenzene
 Concen: 25.126 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0323SBSD01

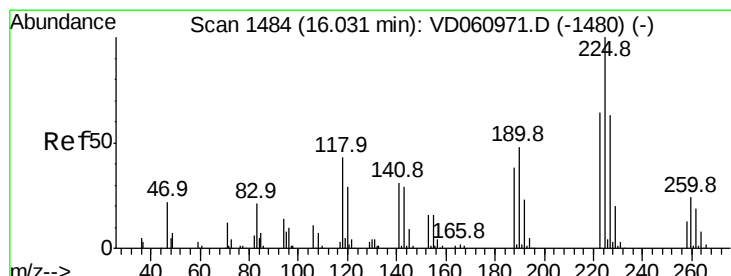
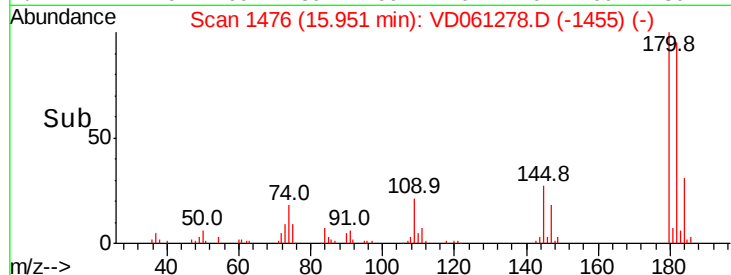
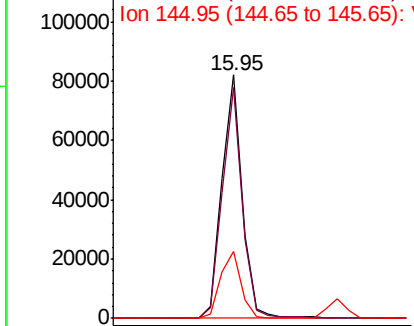
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	27.4	14.4	43.0

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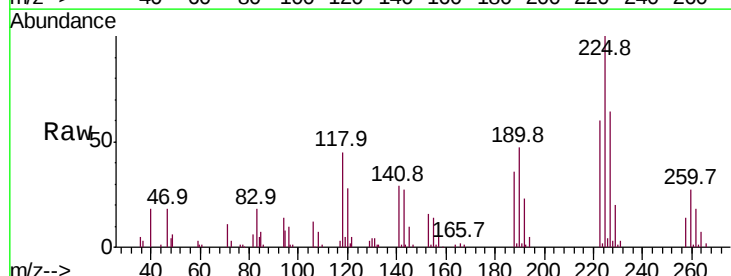


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

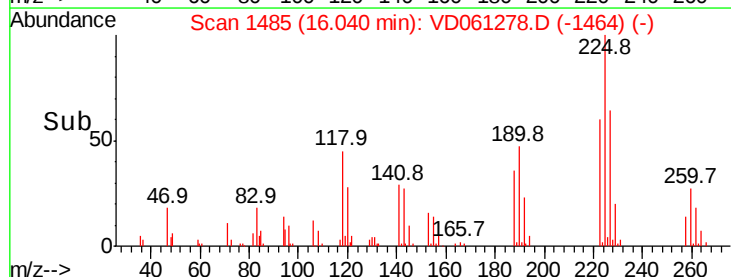
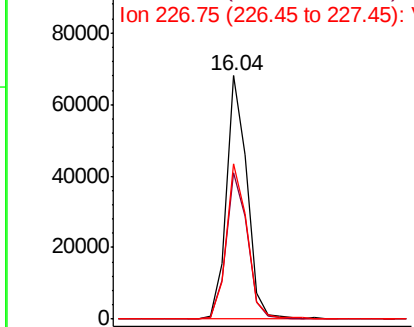


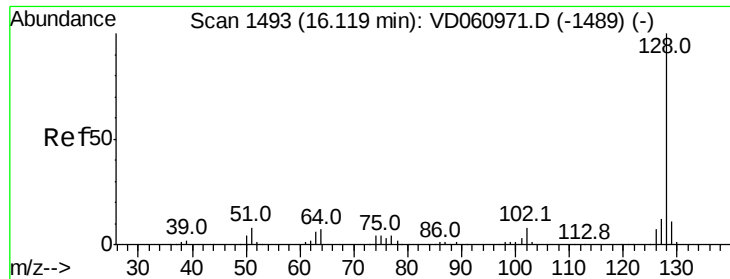
#94
 Hexachlorobutadiene
 Concen: 27.905 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061278.D
 Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	31.8	95.3
227	63.7	31.4	94.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





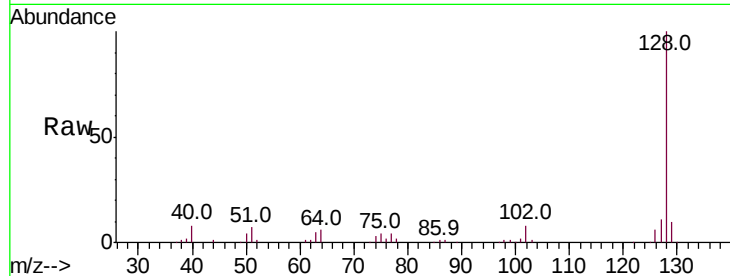
#95
Naphthalene
Concen: 29.763 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0323SBSD01

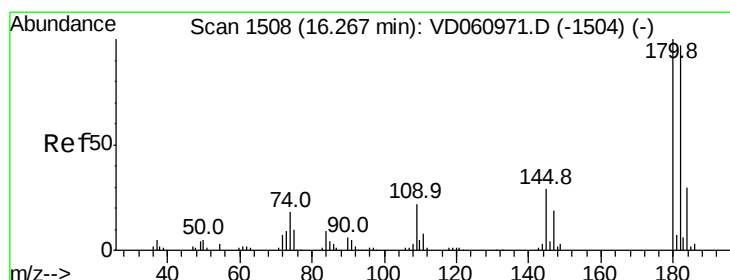
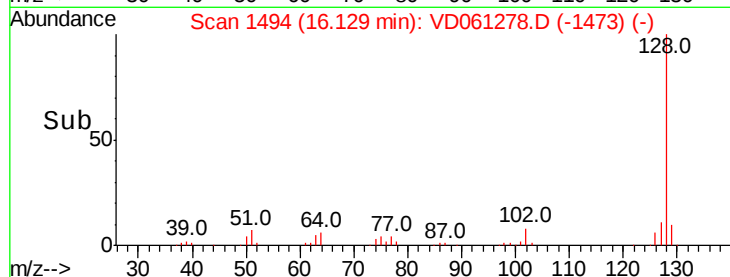
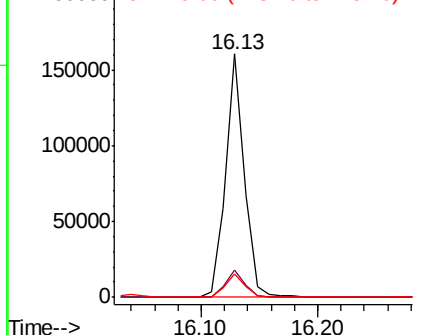
Tot Ion	Ratio	Lower	Upper
128	100		
127	11.4	9.8	14.8
129	9.7	8.5	12.7

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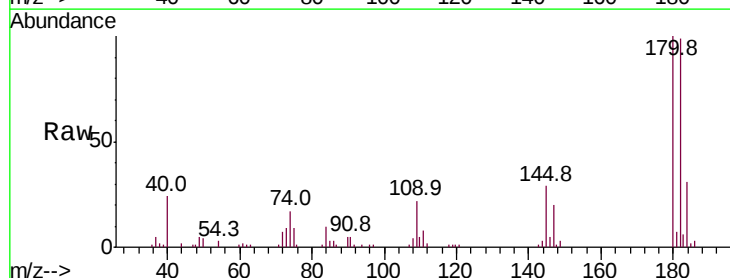


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 27.726 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061278.D
Acq: 23 Mar 2019 14:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.6	145.8
145	29.0	14.3	42.9



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

