

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 5:03:28 PM

Quant Time: Dec 07 03:49:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1665728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2279166	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1826318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	915063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	571196	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	6.32	113	834066	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	9.45	98	2461362	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.43	95	854850	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	473654	26.840	ug/l	95
3) Chloromethane	1.78	50	408689	23.880	ug/l	99
4) Vinyl Chloride	1.87	62	334979	24.524	ug/l	98
5) Bromomethane	2.17	94	64259	18.805	ug/l	98
6) Chloroethane	2.28	64	84933	17.902	ug/l	99
7) Trichlorofluoromethane	2.53	101	331794	21.038	ug/l	98
8) Diethyl Ether	2.84	74	58891	21.618	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.11	101	227636	22.245	ug/l	96
10) Methyl Iodide	3.26	142	249205	20.834	ug/l	97
11) Tert butyl alcohol	3.98	59	43267	90.202	ug/l #	92
12) 1,1-Dichloroethene	3.09	96	186408	22.389	ug/l	99
13) Acrolein	3.00	56	52976	101.075	ug/l	98
14) Allyl chloride	3.55	41	343157	21.723	ug/l	99
15) Acrylonitrile	4.10	53	278206	102.147	ug/l	93
16) Acetone	3.18	43	185249	97.886	ug/l	99
17) Carbon Disulfide	3.33	76	607278	22.455	ug/l	98
18) Methyl Acetate	3.57	43	88670	19.714	ug/l	98
19) Methyl tert-butyl Ether	4.13	73	477839	20.696	ug/l	99
20) Methylene Chloride	3.74	84	416859	21.434	ug/l	95
21) trans-1,2-Dichloroethene	4.11	96	389354	21.498	ug/l	97
22) Diisopropyl ether	4.86	45	1185980	20.911	ug/l	95
23) Vinyl Acetate	4.81	43	2886439	102.719	ug/l	99
24) 1,1-Dichloroethane	4.76	63	621902	21.107	ug/l	99
25) 2-Butanone	5.63	43	366868	98.532	ug/l	96
26) 2,2-Dichloropropane	5.59	77	513071	22.541	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	400624	21.756	ug/l	95
28) Bromochloromethane	5.93	49	251433	19.263	ug/l	97
29) Tetrahydrofuran	5.96	42	212755	100.906	ug/l	98
30) Chloroform	6.11	83	621310	20.931	ug/l	99
31) Cyclohexane	6.36	56	609640	22.055	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	532816	21.834	ug/l	99
36) 1,1-Dichloropropene	6.52	75	487175	21.868	ug/l	98
37) Ethyl Acetate	5.70	43	207724	21.499	ug/l	99
38) Carbon Tetrachloride	6.50	117	446365	22.318	ug/l	98

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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	8.04	83	566650	22.312	ug/l	96
40) Benzene	6.80	78	1246351	21.890	ug/l	99
41) Methacrylonitrile	5.93	41	93788m	18.007	ug/l	
42) 1,2-Dichloroethane	6.90	62	305401	21.096	ug/l	99
43) Isopropyl Acetate	8.34	43	248118	20.803	ug/l #	98
44) Trichloroethene	7.74	130	376230	22.111	ug/l	98
45) 1,2-Dichloropropane	8.10	63	305184	21.672	ug/l	97
46) Dibromomethane	8.21	93	171796	21.115	ug/l	95
47) Bromodichloromethane	8.49	83	420392	21.777	ug/l	99
48) Methyl methacrylate	8.24	41	154600	21.907	ug/l	99
49) 1,4-Dioxane	8.23	88	26496	414.260	ug/l #	82
51) 4-Methyl-2-Pentanone	9.34	43	792938	106.879	ug/l	97
52) Toluene	9.54	92	782684	21.994	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	338152	21.318	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	450409	21.612	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	211790	21.371	ug/l	97
56) Ethyl methacrylate	10.02	69	189455	21.123	ug/l	96
57) 1,3-Dichloropropane	10.38	76	320909	20.947	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	556403	103.680	ug/l	97
59) 2-Hexanone	10.49	43	532662	102.718	ug/l	96
60) Dibromochloromethane	10.63	129	263685	21.281	ug/l	100
61) 1,2-Dibromoethane	10.75	107	211322	20.924	ug/l	99
64) Tetrachloroethene	10.25	164	351830	21.756	ug/l	100
65) Chlorobenzene	11.31	112	826233	21.385	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	278534	22.366	ug/l	98
67) Ethyl Benzene	11.42	91	1500036	22.761	ug/l	98
68) m/p-Xylenes	11.56	106	1084010	44.461	ug/l	97
69) o-Xylene	11.93	106	518330	22.308	ug/l	97
70) Styrene	11.95	104	829971	22.254	ug/l	100
71) Bromoform	12.11	173	168174	20.241	ug/l	98
73) Isopropylbenzene	12.27	105	1439406	22.229	ug/l	97
74) N-amyl acetate	12.13	43	324977	20.766	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	215630	20.801	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	213902	20.631	ug/l	99
77) Bromobenzene	12.53	156	358060	21.037	ug/l	91
78) n-propylbenzene	12.63	91	1786819	21.829	ug/l	98
79) 2-Chlorotoluene	12.70	91	991081	22.313	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1102375	22.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	59263	20.494	ug/l	95
82) 4-Chlorotoluene	12.81	91	1091343	21.876	ug/l	97
83) tert-Butylbenzene	13.05	119	1268602	22.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1156159	22.567	ug/l	97
85) sec-Butylbenzene	13.22	105	1533532	22.178	ug/l	95
86) p-Isopropyltoluene	13.34	119	1258000	22.951	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	670542	21.758	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	659515	21.815	ug/l	99
89) n-Butylbenzene	13.65	91	1232854	20.212	ug/l	97
90) Hexachloroethane	13.85	117	296971	21.609	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	525917	20.882	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	24528	19.527	ug/l	59

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	422065	21.438	ug/l	97
94) Hexachlorobutadiene	14.88	225	322732	22.218	ug/l	99
95) Naphthalene	14.96	128	473007	20.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	329355	20.995	ug/l	99

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

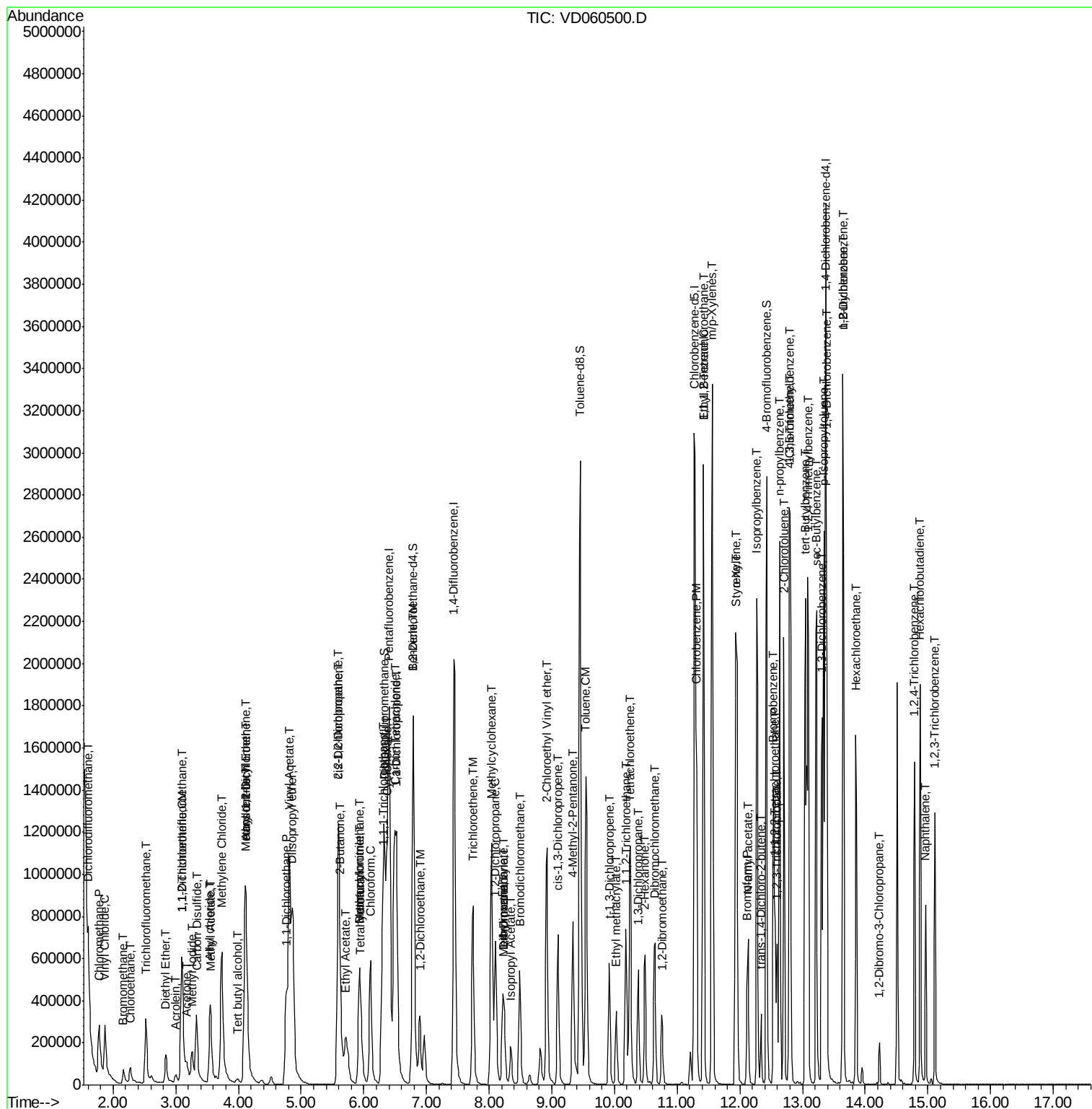
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 Data File : VD060500.D
 Acq On : 6 Dec 2018 12:18
 Operator : VA/AP
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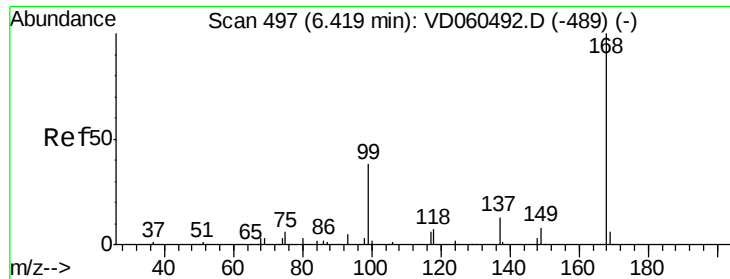
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:168 Resp: 1665728

Ion Ratio Lower Upper

168 100

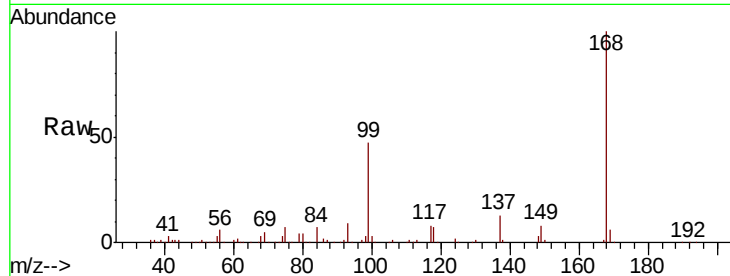
99 46.5 35.6 53.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

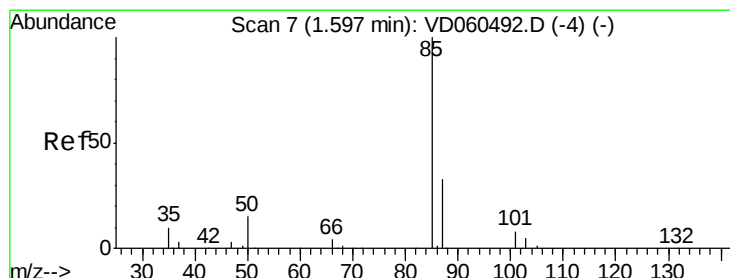
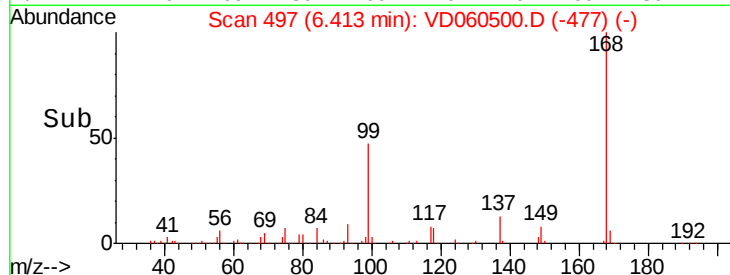
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400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.840 ug/l

RT: 1.61 min Scan# 9

Delta R.T. 0.01 min

Lab File: VD060500.D

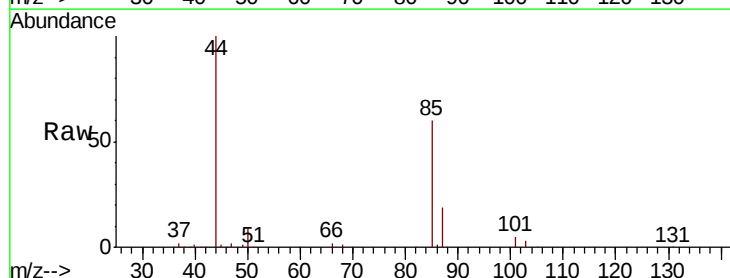
Acq: 6 Dec 2018 12:18

Tgt Ion: 85 Resp: 473654

Ion Ratio Lower Upper

85 100

87 30.7 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

200000

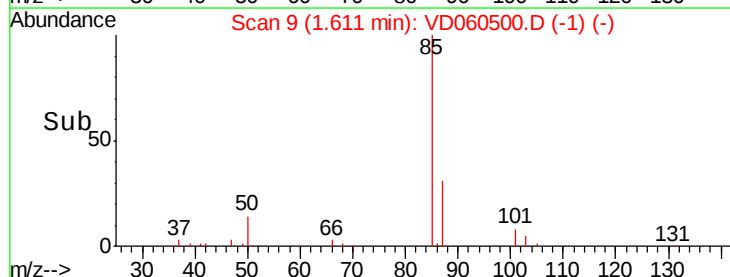
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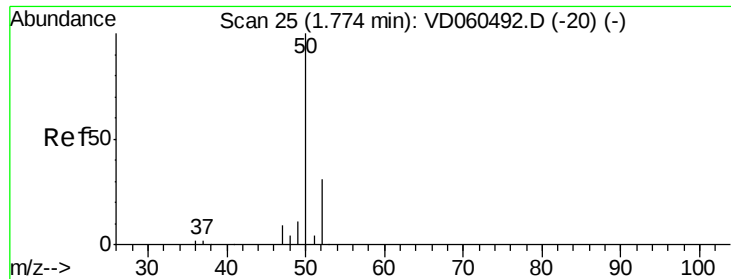
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50000

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Time-->





#3

Chloromethane

Concen: 23.880 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 50 Resp: 408689

Ion Ratio Lower Upper

50 100

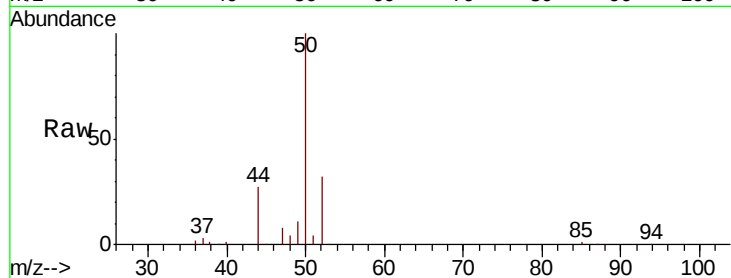
52 31.8 25.0 37.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.78

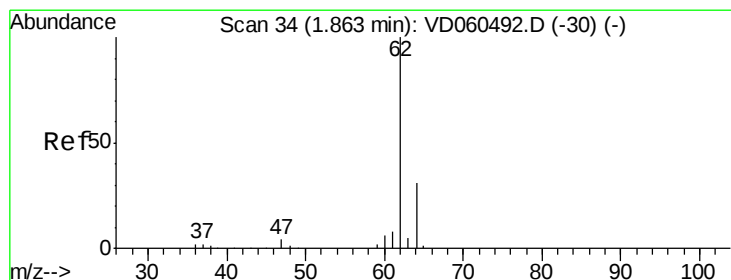
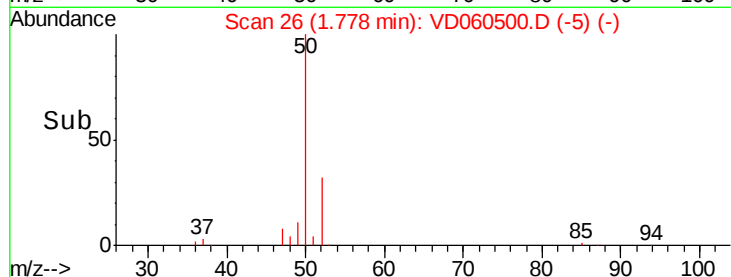
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 24.524 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060500.D

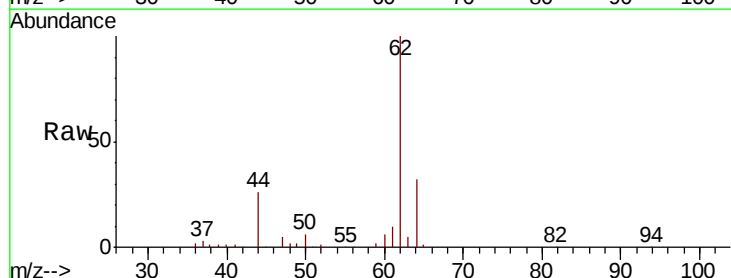
Acq: 6 Dec 2018 12:18

Tgt Ion: 62 Resp: 334979

Ion Ratio Lower Upper

62 100

64 32.0 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

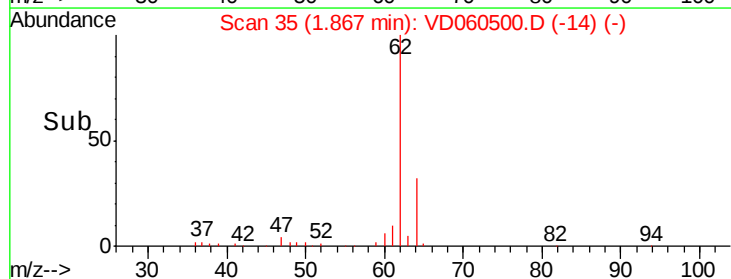
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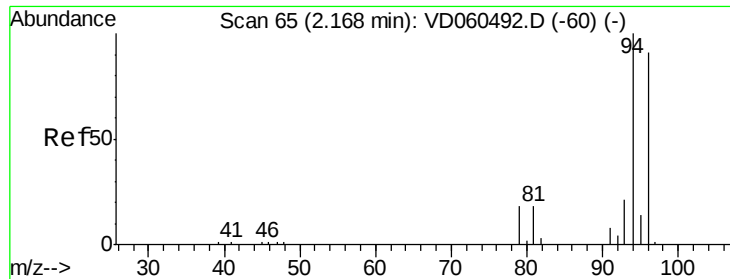
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Time-->





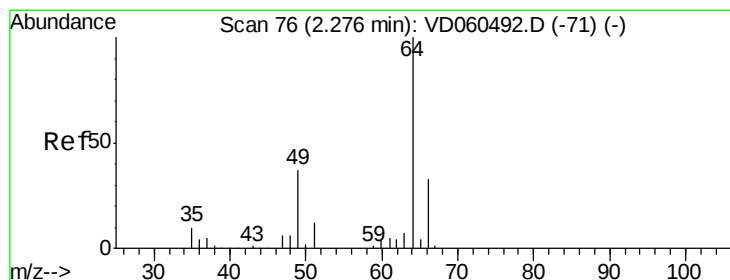
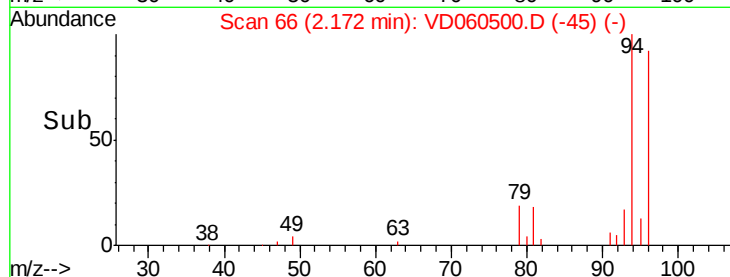
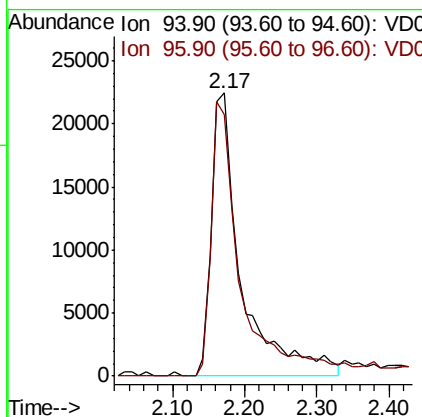
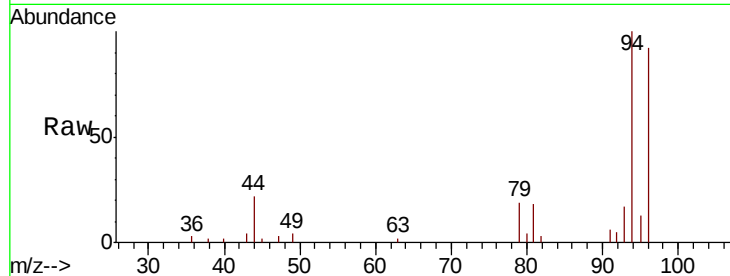
#5
Bromomethane
Concen: 18.805 ug/l
RT: 2.17 min Scan# 66
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 94 Resp: 64259
Ion Ratio Lower Upper
94 100
96 92.4 72.6 108.8

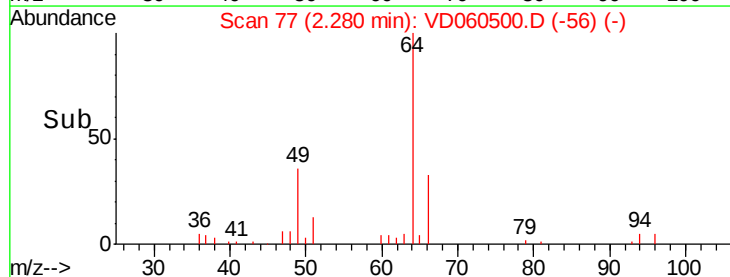
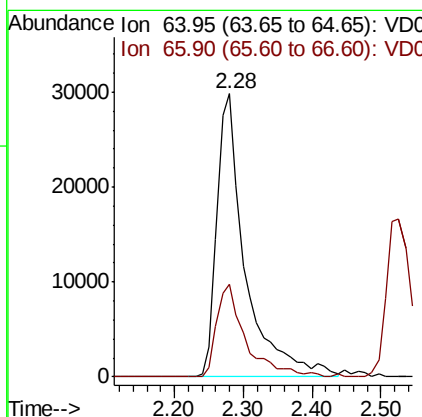
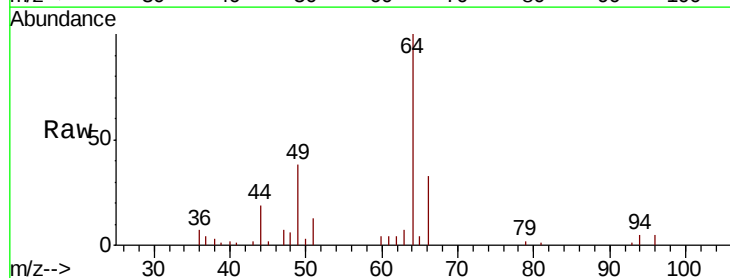
Manual Integrations
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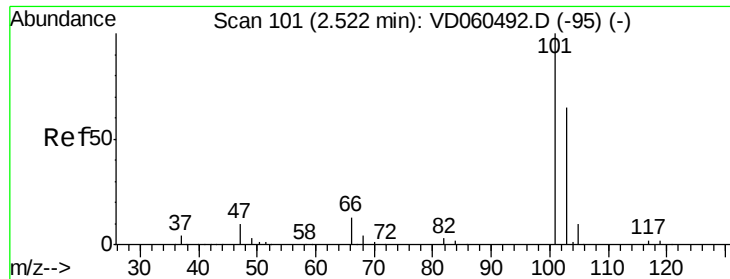
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12/7/2018 5:03:28 PM



#6
Chloroethane
Concen: 17.902 ug/l
RT: 2.28 min Scan# 77
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 64 Resp: 84933
Ion Ratio Lower Upper
64 100
66 32.6 26.4 39.6





#7

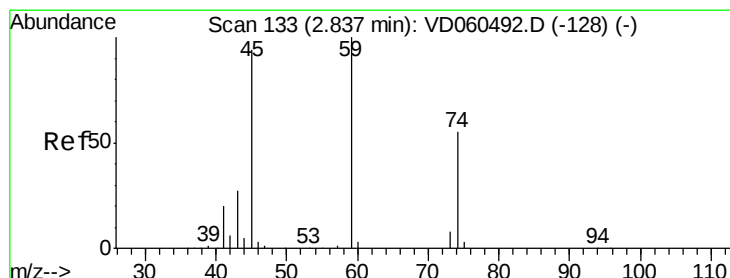
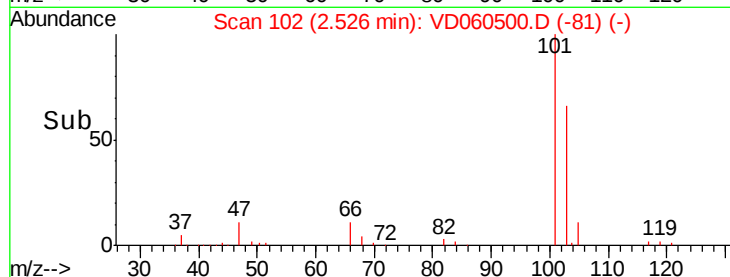
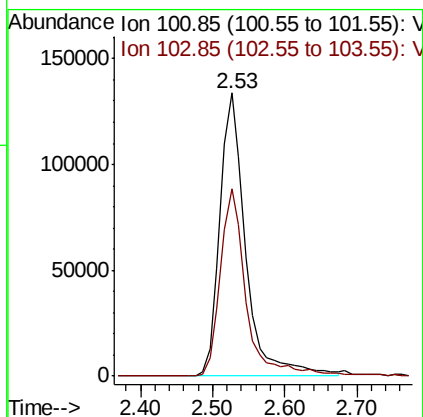
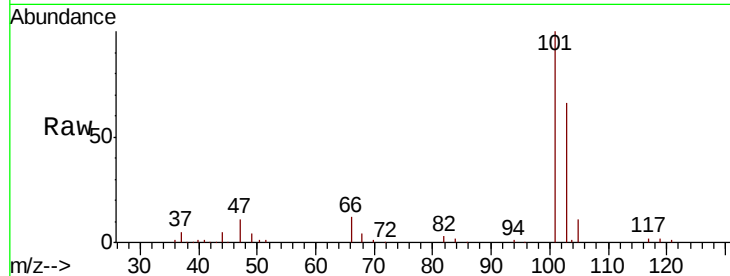
Trichlorofluoromethane
Concen: 21.038 ug/l
RT: 2.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion:101 Resp: 331794
Ion Ratio Lower Upper
101 100
103 66.4 51.8 77.8

Manual Integrations
APPROVED

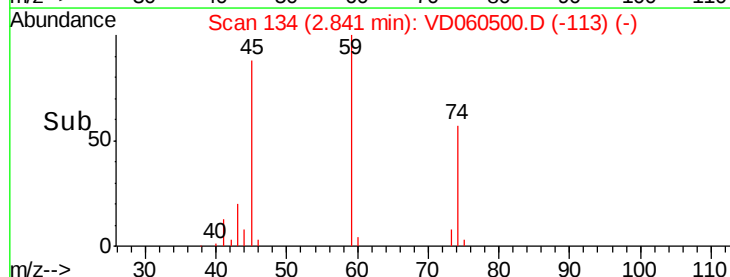
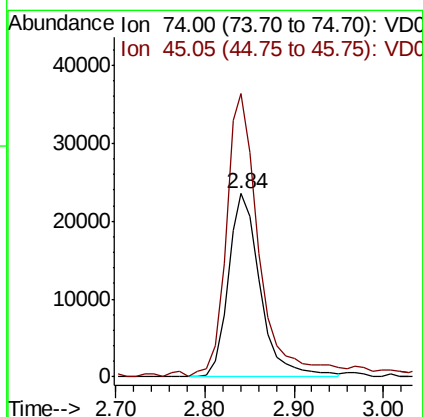
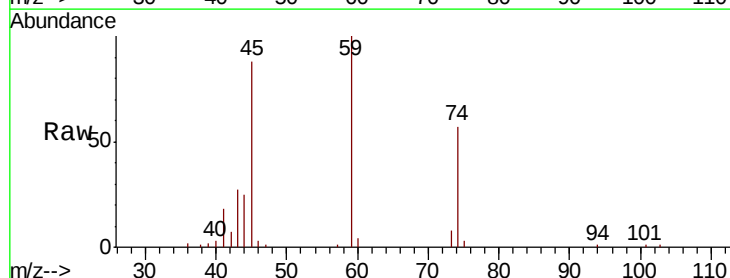
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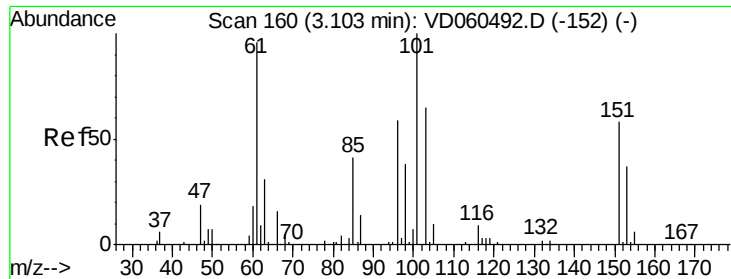


#8

Diethyl Ether
Concen: 21.618 ug/l
RT: 2.84 min Scan# 134
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 74 Resp: 58891
Ion Ratio Lower Upper
74 100
45 154.6 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.245 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

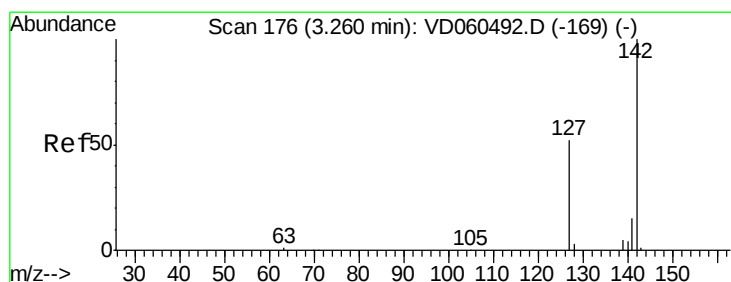
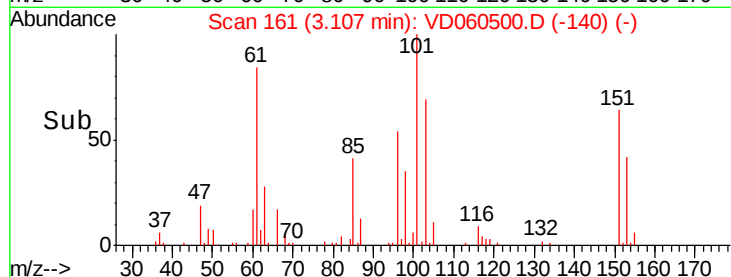
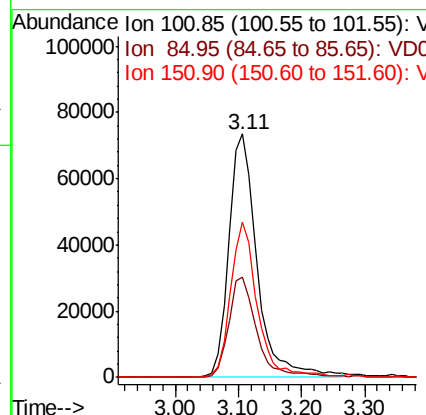
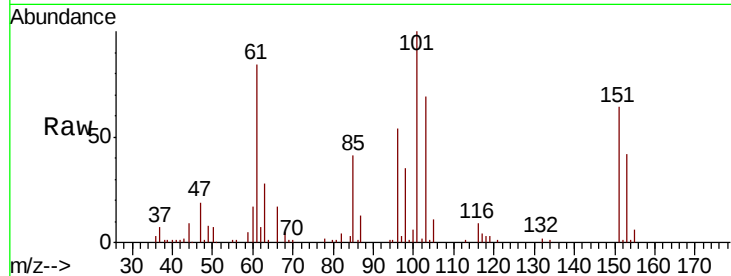
ClientSampleId :

VD1206SBS01

Tot Ion:	101	Resp:	227636
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.7	49.1
151	63.7	46.6	69.8

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#10

Methyl Iodide

Concen: 20.834 ug/l

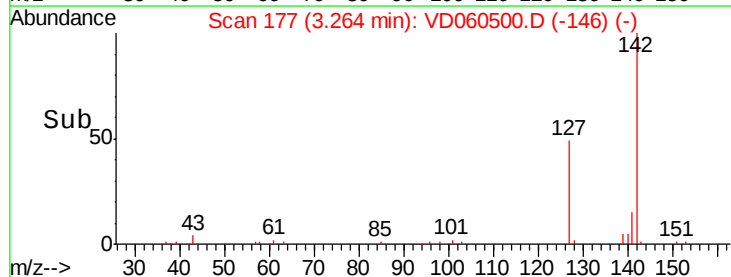
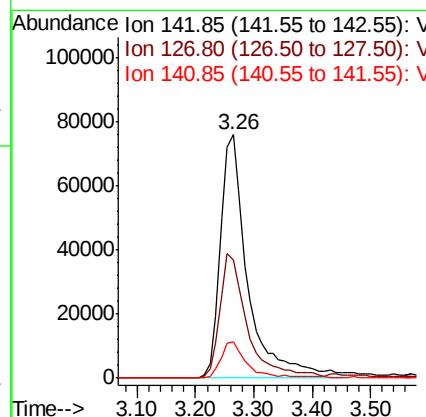
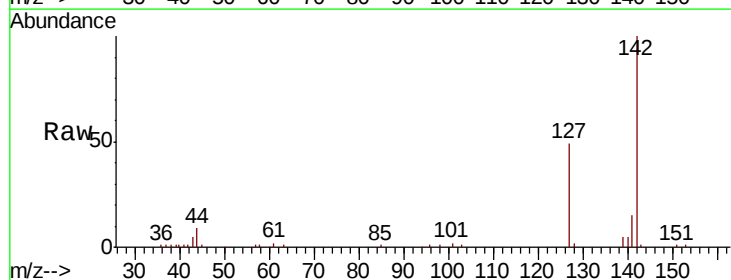
RT: 3.26 min Scan# 177

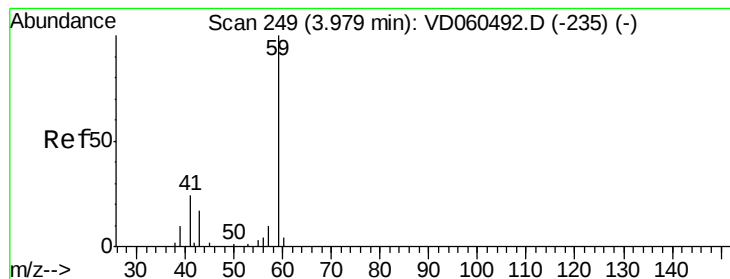
Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion:	142	Resp:	249205
Ion Ratio	Lower	Upper	
142	100		
127	48.7	41.2	61.8
141	15.1	11.9	17.9





#11

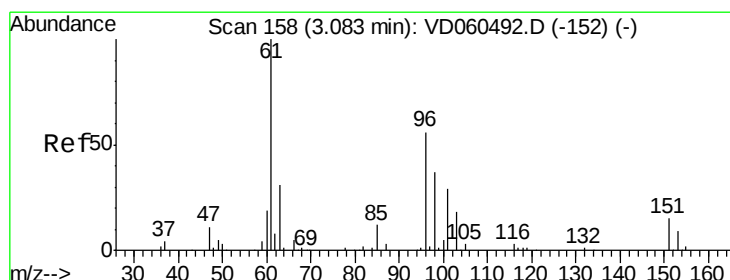
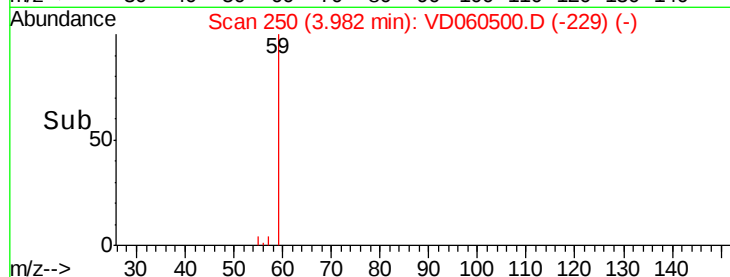
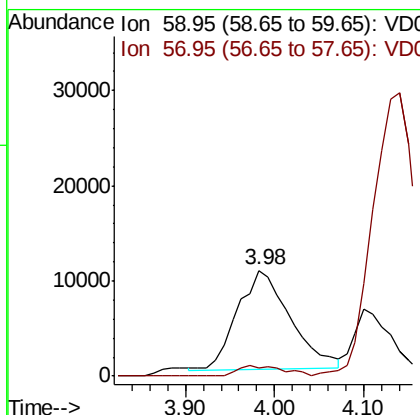
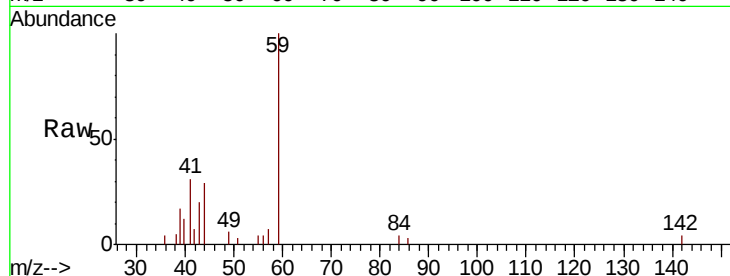
Tert butyl alcohol
 Concen: 90.202 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 59 Resp: 43267
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.1 12.1#

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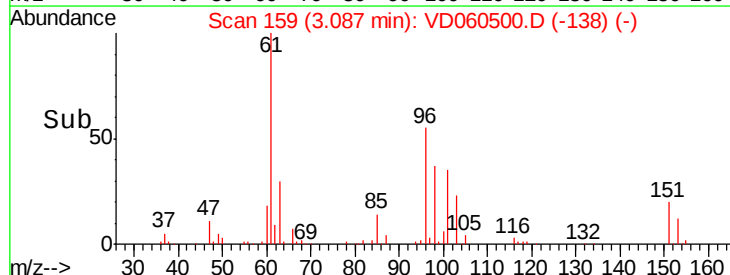
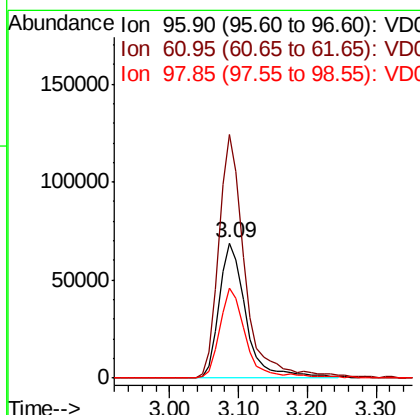
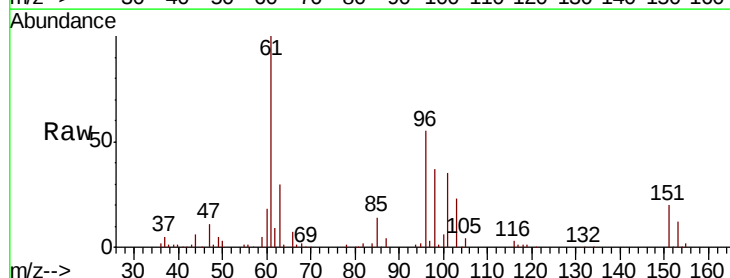
MMDadoda
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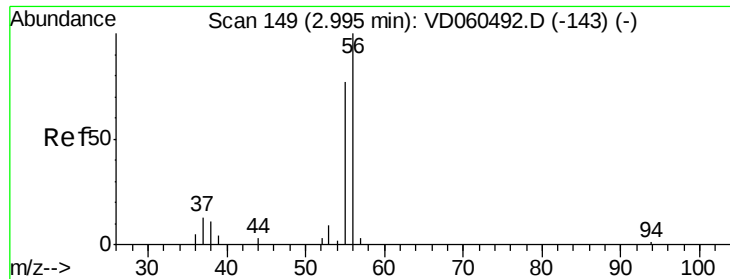


#12

1,1-Dichloroethene
 Concen: 22.389 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 96 Resp: 186408
 Ion Ratio Lower Upper
 96 100
 61 180.5 143.0 214.4
 98 66.6 53.4 80.0





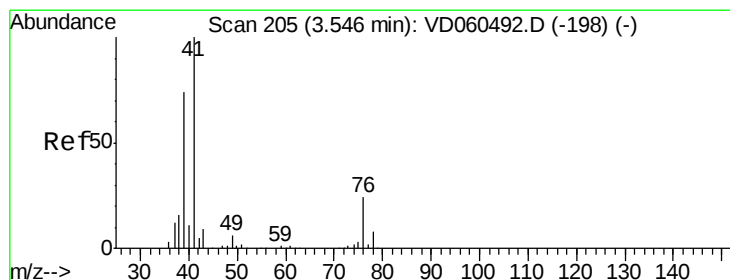
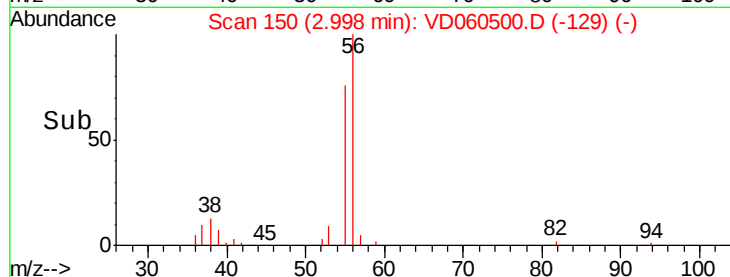
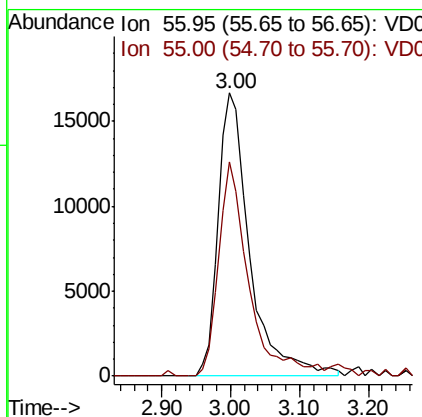
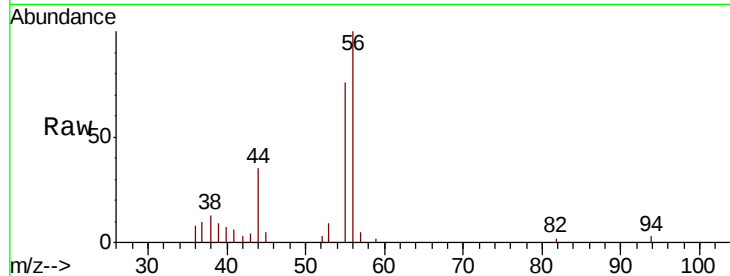
#13
Acrolein
Concen: 101.075 ug/l
RT: 3.00 min Scan# 150
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 56 Resp: 52976
Ion Ratio Lower Upper
56 100
55 75.9 62.0 93.0

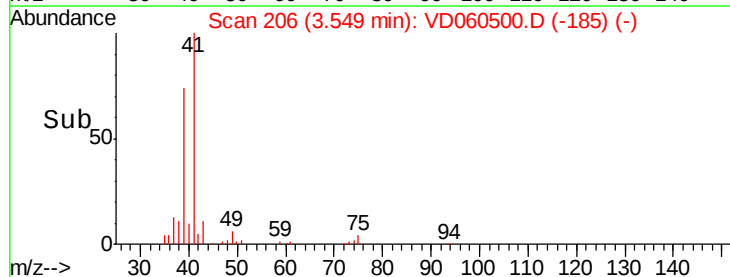
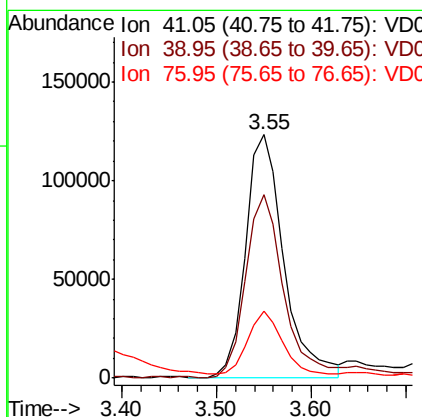
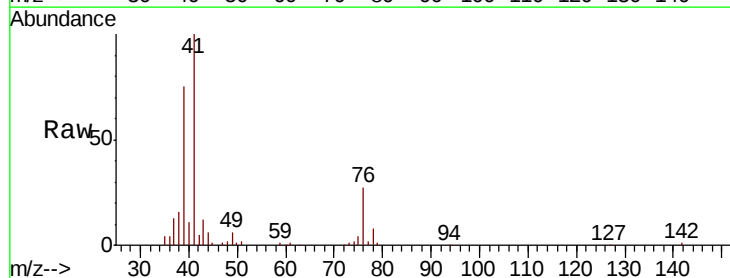
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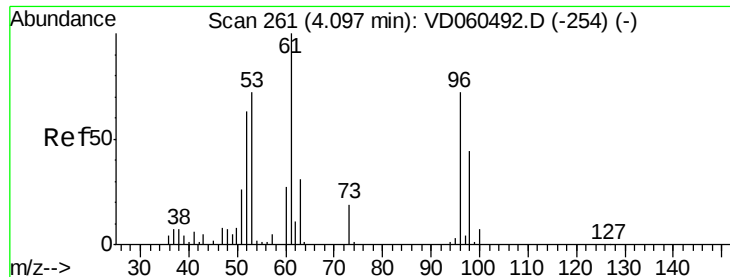
MMDadoda
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#14
Allyl chloride
Concen: 21.723 ug/l
RT: 3.55 min Scan# 206
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 41 Resp: 343157
Ion Ratio Lower Upper
41 100
39 75.1 59.3 88.9
76 27.5 21.0 31.6





#15

Acrylonitrile

Concen: 102.147 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleID :

VD1206SBS01

Tot Ion: 53 Resp: 278206

Ion Ratio Lower Upper

53 100

52 79.0 70.0 105.0

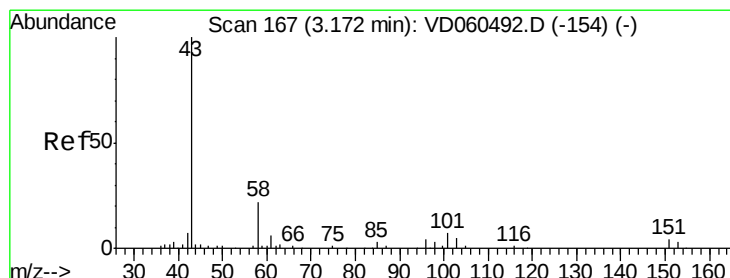
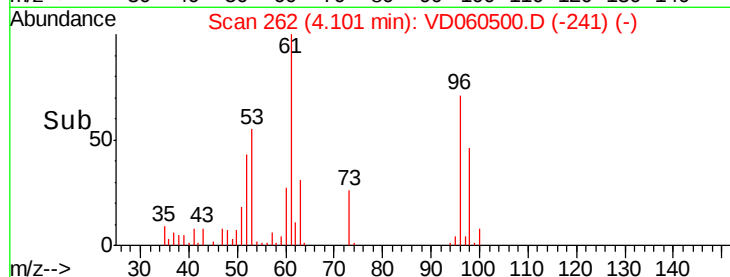
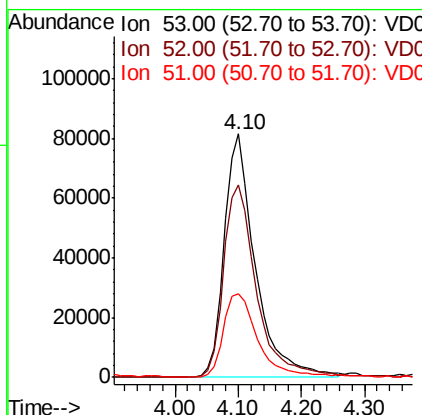
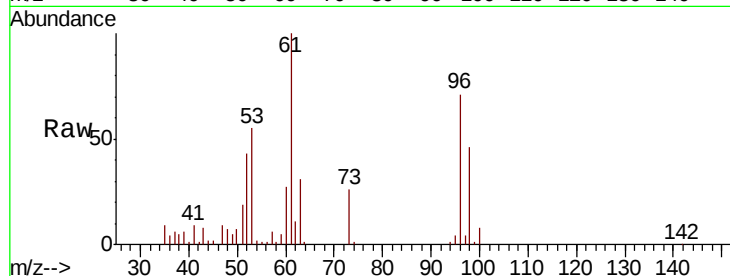
51 34.6 28.8 43.2

Manual Integrations

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#16

Acetone

Concen: 97.886 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060500.D

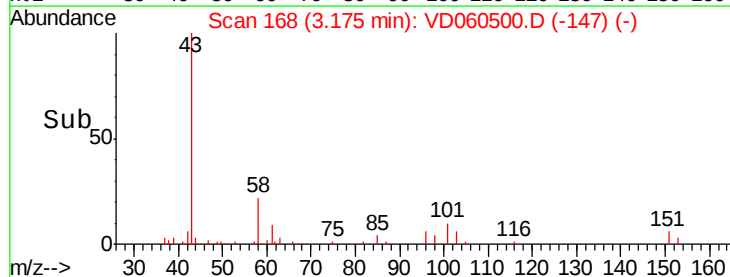
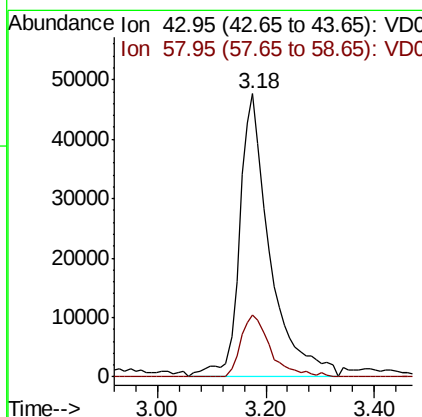
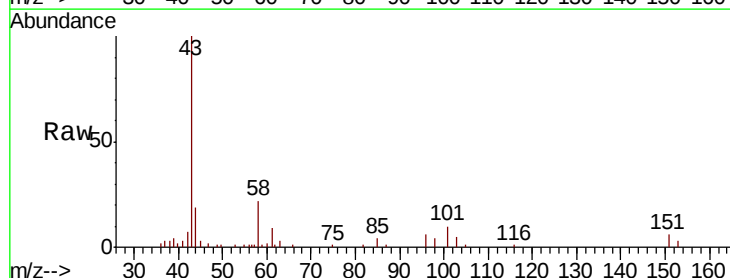
Acq: 6 Dec 2018 12:18

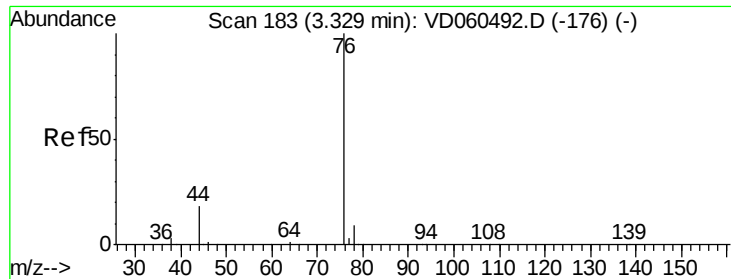
Tgt Ion: 43 Resp: 185249

Ion Ratio Lower Upper

43 100

58 21.8 17.3 25.9





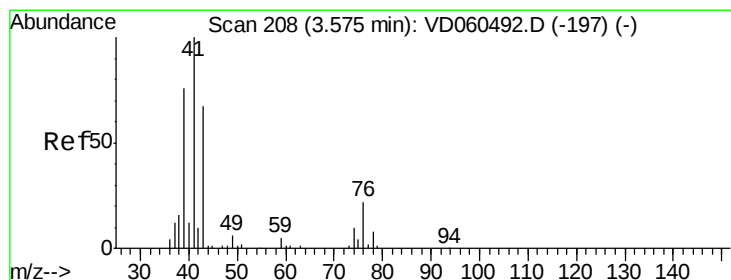
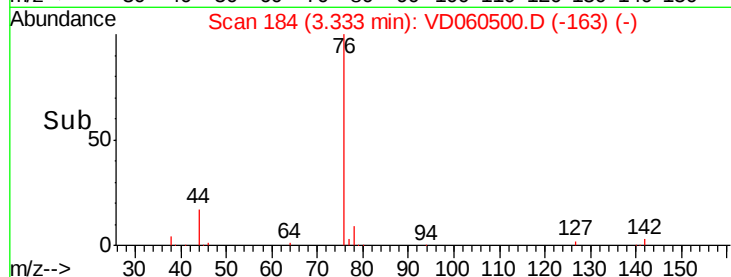
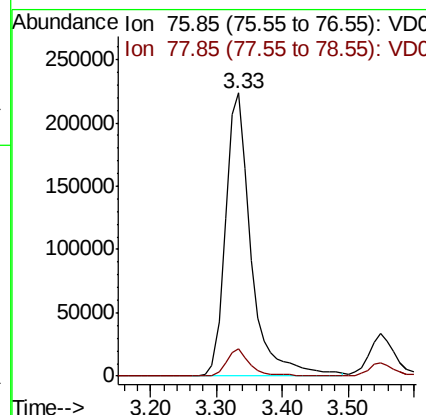
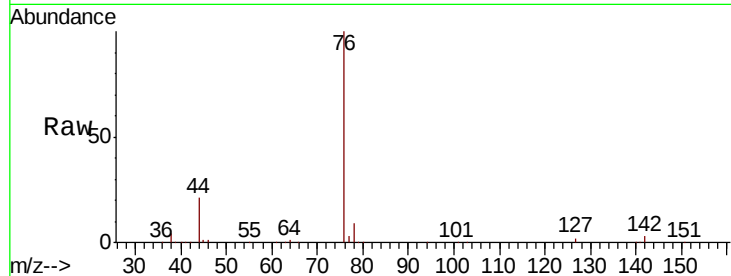
#17
Carbon Disulfide
Concen: 22.455 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 76 Resp: 607278
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6

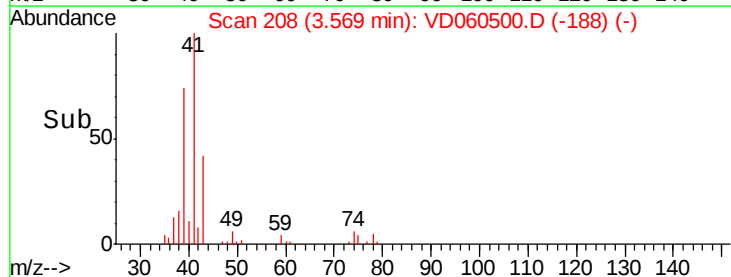
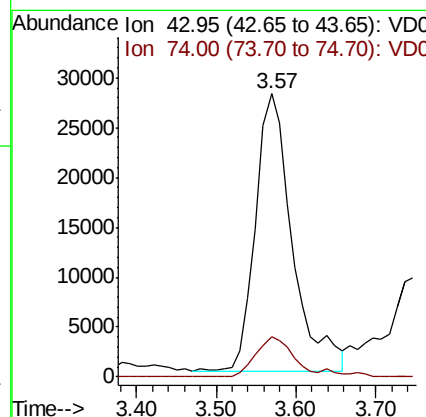
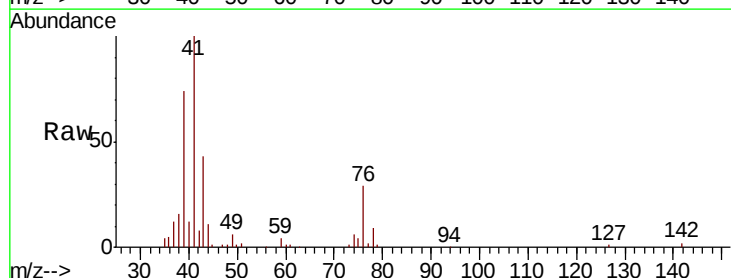
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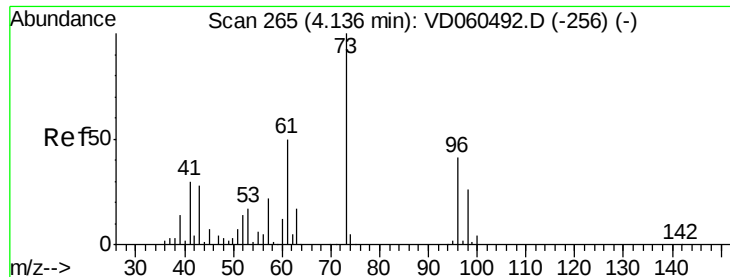
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#18
Methyl Acetate
Concen: 19.714 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 43 Resp: 88670
Ion Ratio Lower Upper
43 100
74 14.2 12.0 18.0





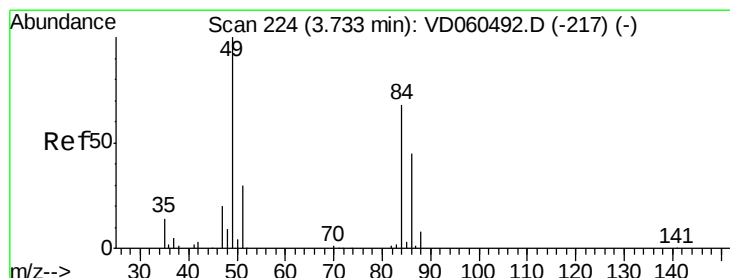
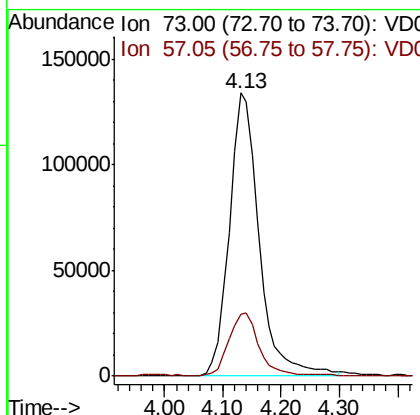
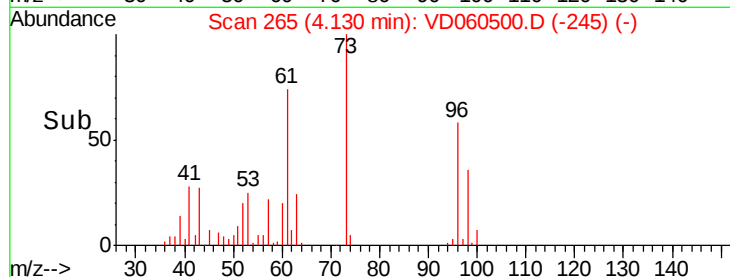
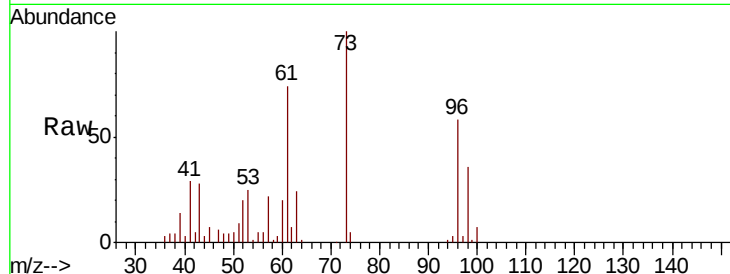
#19
Methyl tert-butyl Ether
Concen: 20.696 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleID :
VD1206SBS01

Tot Ion: 73 Resp: 477839
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.6

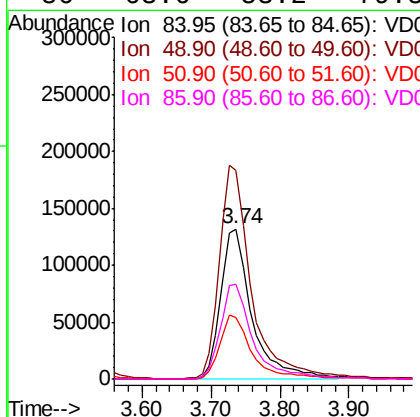
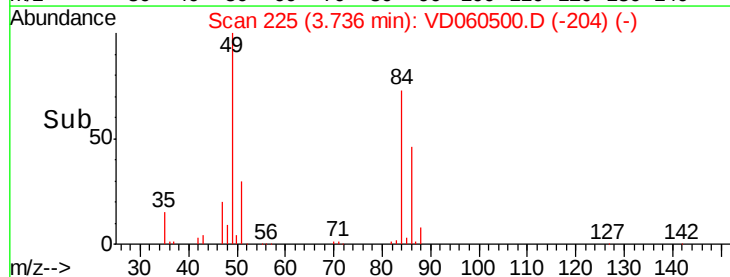
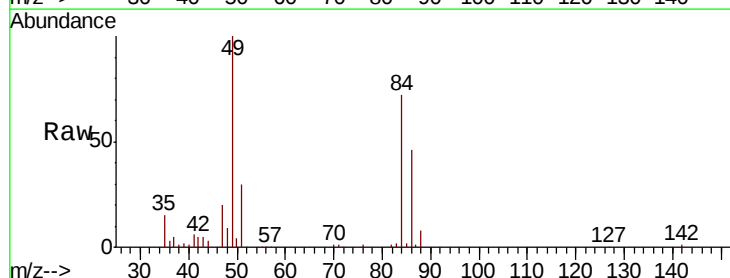
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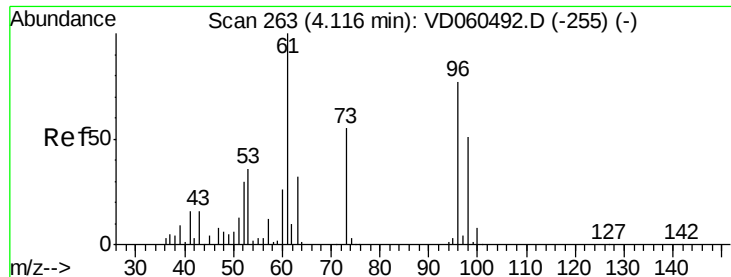
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#20
Methylene Chloride
Concen: 21.434 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 84 Resp: 416859
Ion Ratio Lower Upper
84 100
49 139.8 117.2 175.8
51 41.4 35.3 52.9
86 63.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.498 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 96 Resp: 389354

Ion Ratio Lower Upper

96 100

61 131.8 104.2 156.4

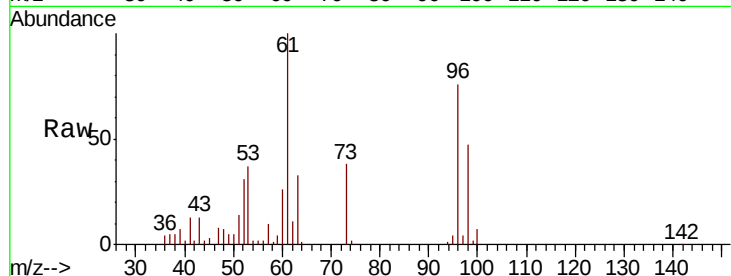
98 61.9 52.8 79.2

Manual Integrations

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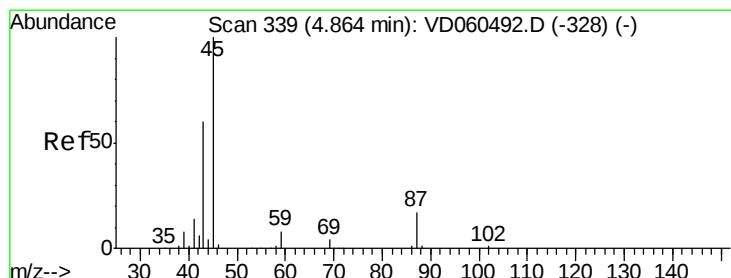
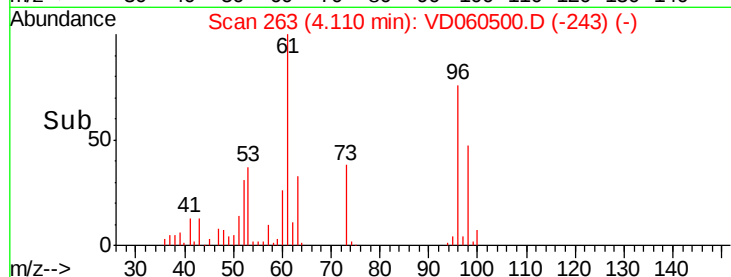
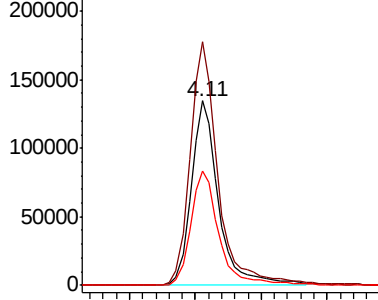
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.911 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion: 45 Resp: 1185980

Ion Ratio Lower Upper

45 100

43 66.0 48.6 73.0

87 17.3 14.0 21.0

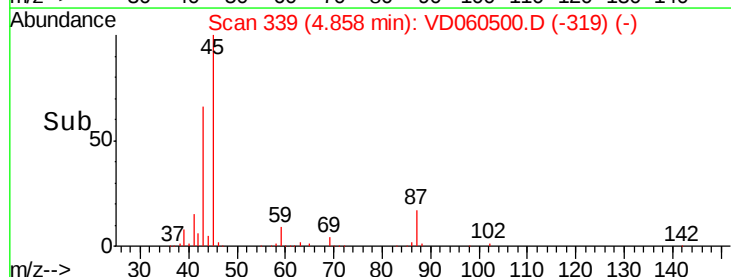
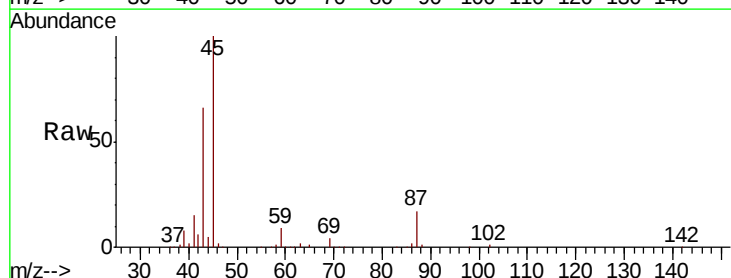
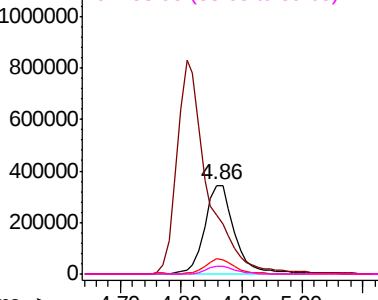
59 8.6 6.9 10.3

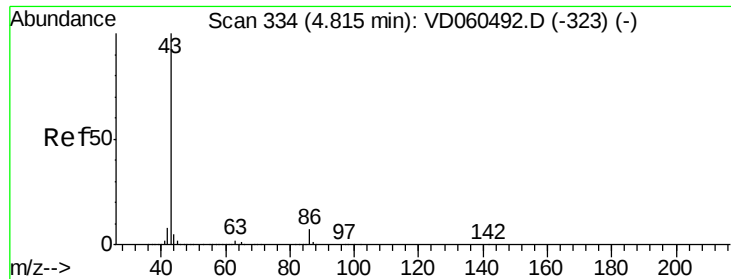
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 102.719 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 2886439

Ion Ratio Lower Upper

43 100

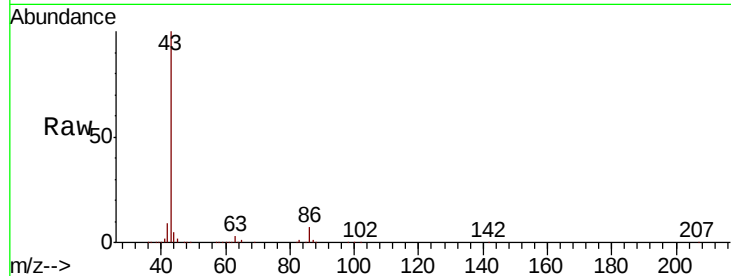
86 6.6 5.5 8.3

Manual Integrations

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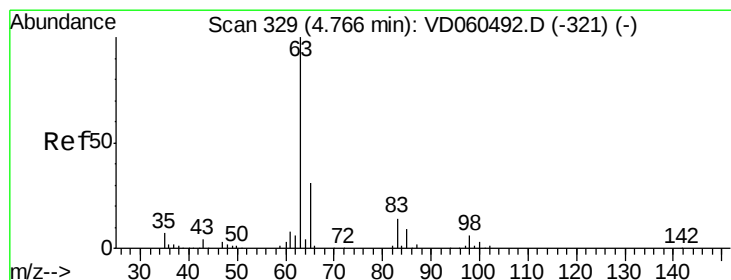
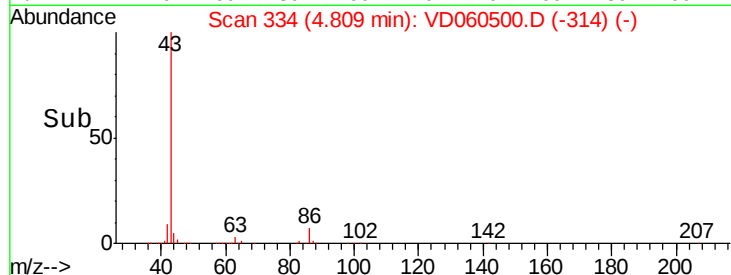
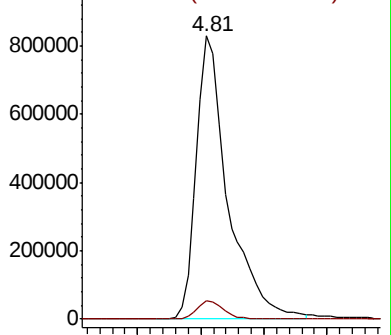
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.107 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

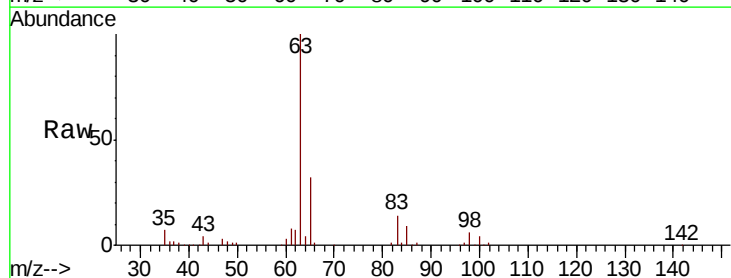
Tgt Ion: 63 Resp: 621902

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

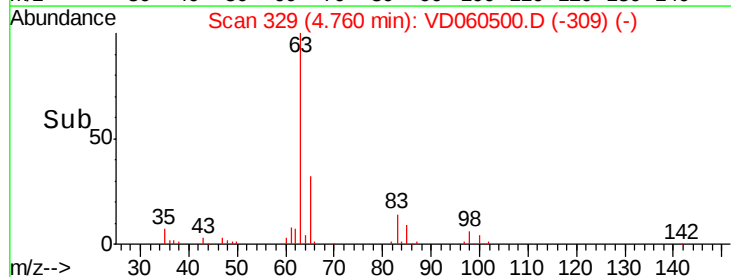
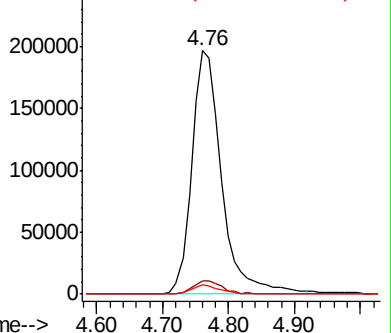
100 3.7 1.7 5.1

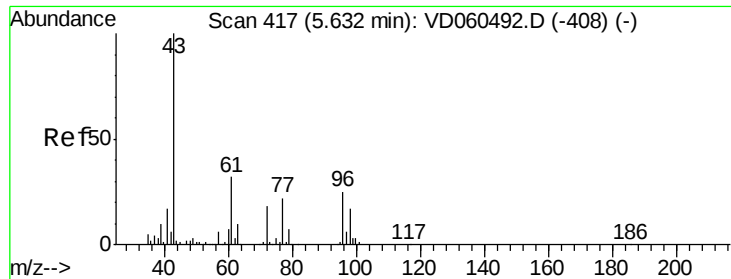


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 98.532 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 366868

Ion Ratio Lower Upper

43 100

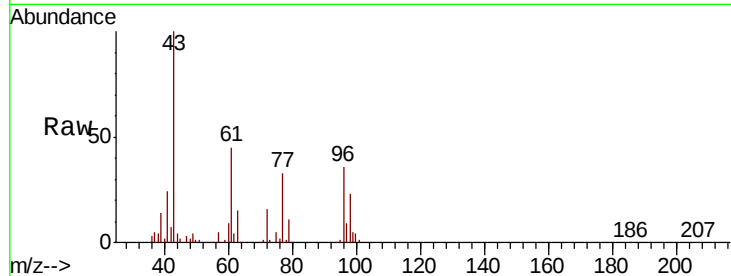
72 16.3 14.6 21.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

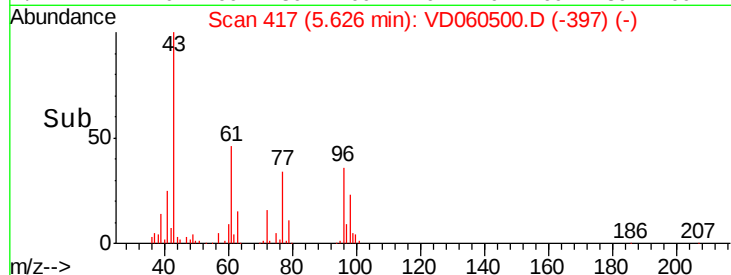
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 22.541 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060500.D

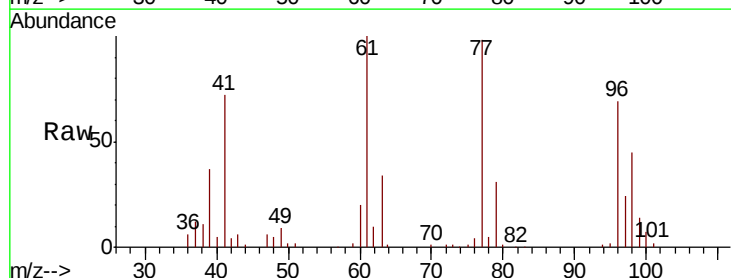
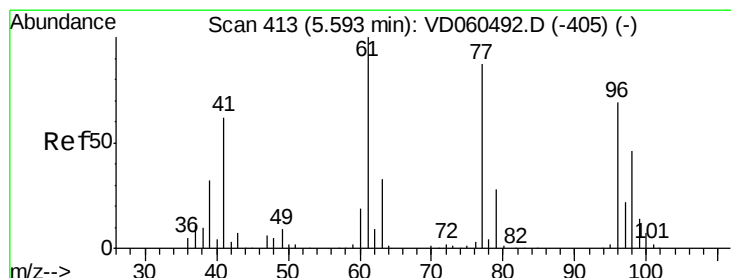
Acq: 6 Dec 2018 12:18

Tgt Ion: 77 Resp: 513071

Ion Ratio Lower Upper

77 100

97 24.5 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

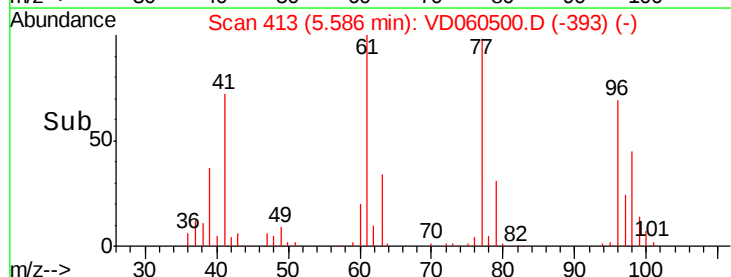
150000

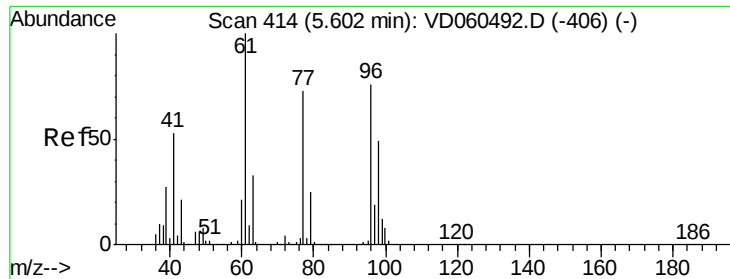
100000

50000

0

Time-->





#27

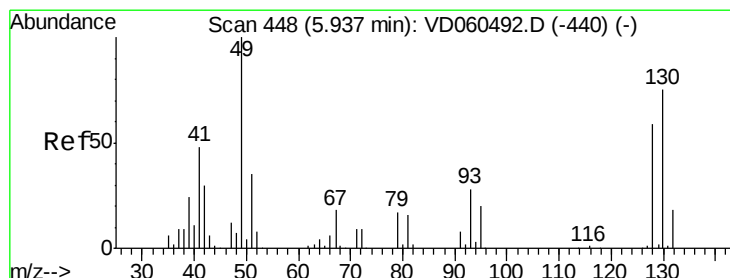
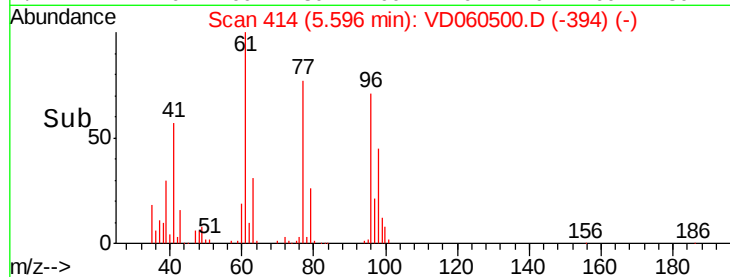
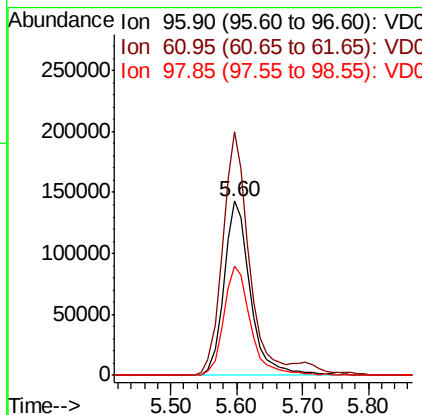
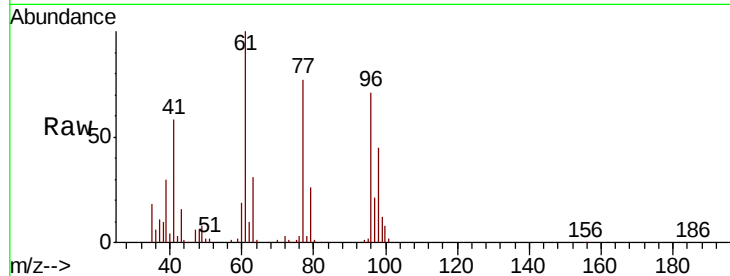
cis-1,2-Dichloroethene
Concen: 21.756 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	400624		
61	140.0		0.0	263.6
98	62.4		0.0	128.2

Manual Integrations
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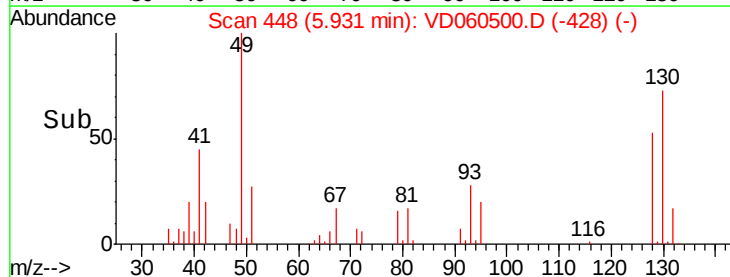
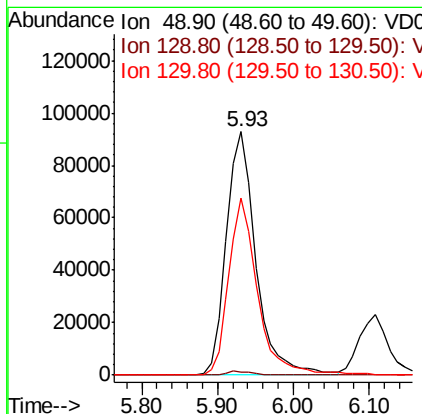
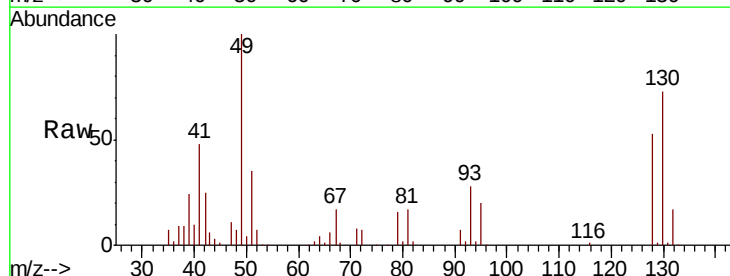
MMDadoda
12/7/2018 5:03:28 PM

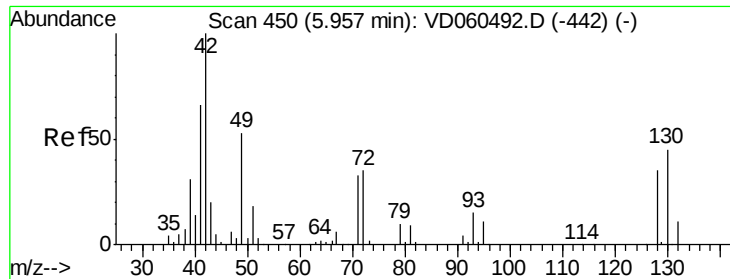


#28

Bromochloromethane
Concen: 19.263 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	251433		
129	1.4		0.0	3.4
130	72.5		59.8	89.6





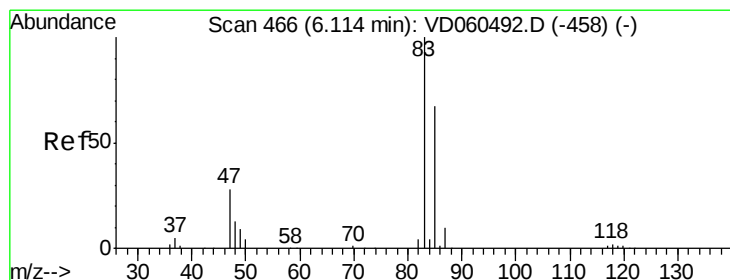
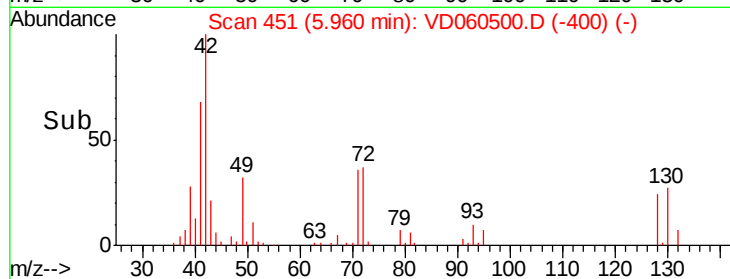
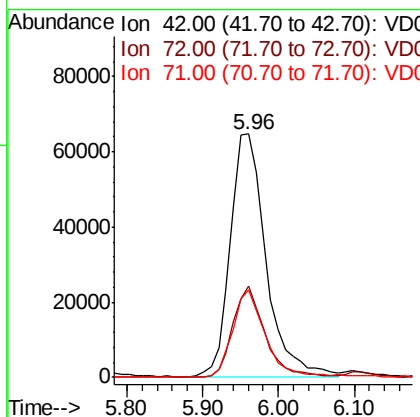
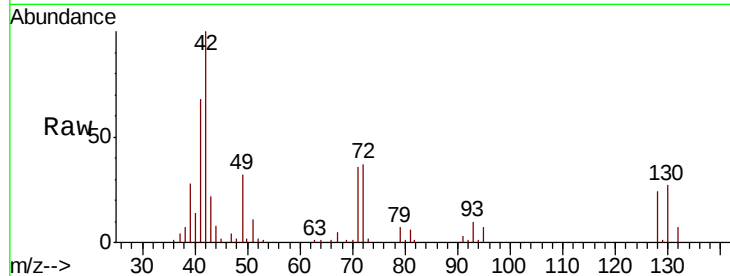
#29
Tetrahydrofuran
Concen: 100.906 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.3	28.0	42.0
71	32.9	27.2	40.8

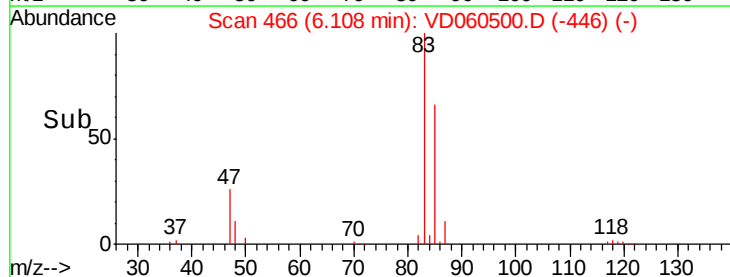
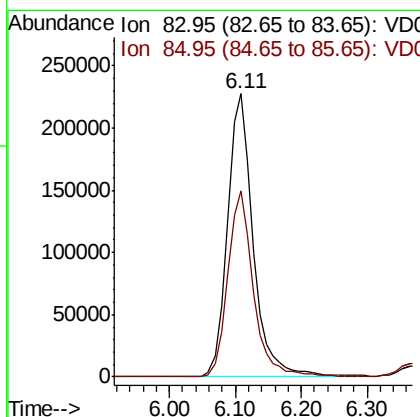
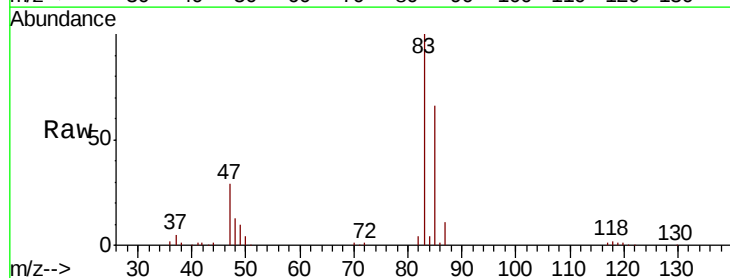
Manual Integrations
APPROVED

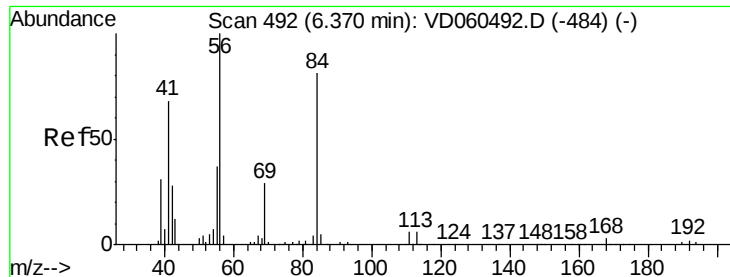
MMDadoda
12/7/2018 5:03:28 PM



#30
Chloroform
Concen: 20.931 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.4	80.2





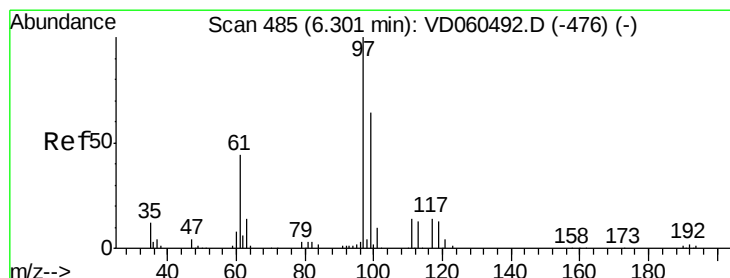
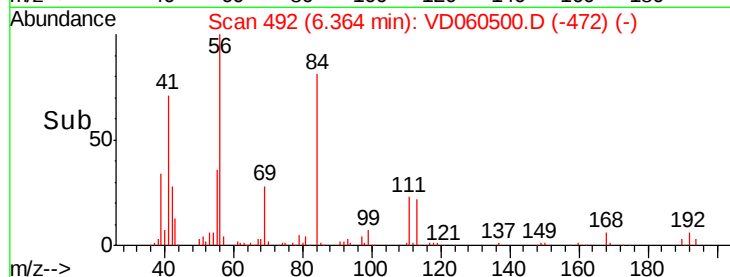
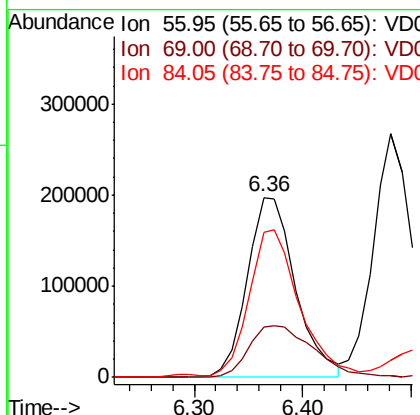
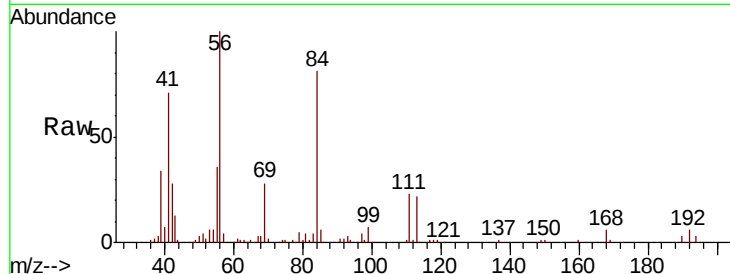
#31
Cyclohexane
Concen: 22.055 ug/l
RT: 6.36 min Scan# 492
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.8	34.2
84	80.5	65.1	97.7

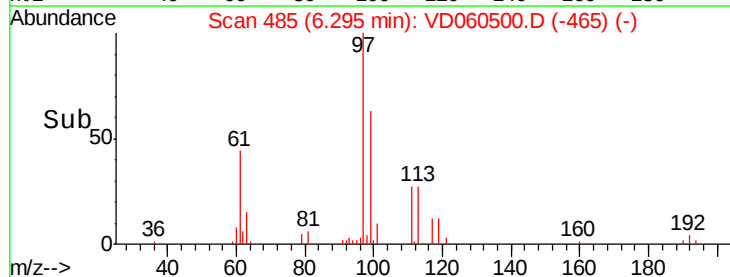
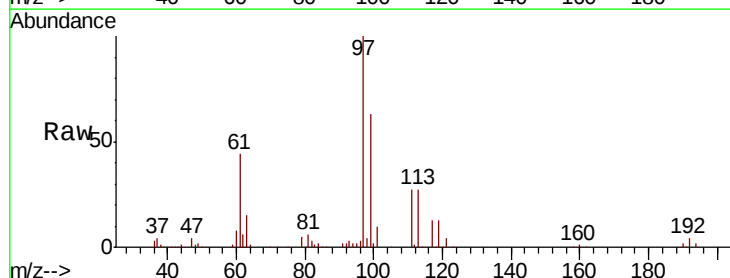
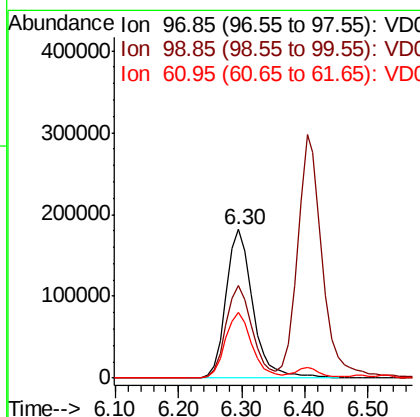
Manual Integrations
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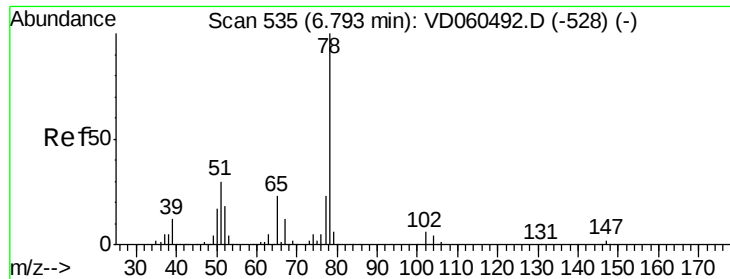
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12/7/2018 5:03:28 PM



#32
1,1,1-Trichloroethane
Concen: 21.834 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.0	76.4
61	44.5	35.3	52.9





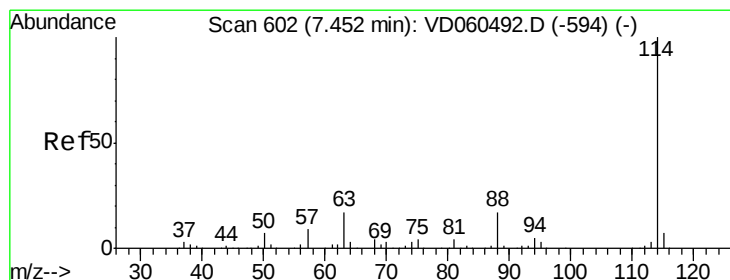
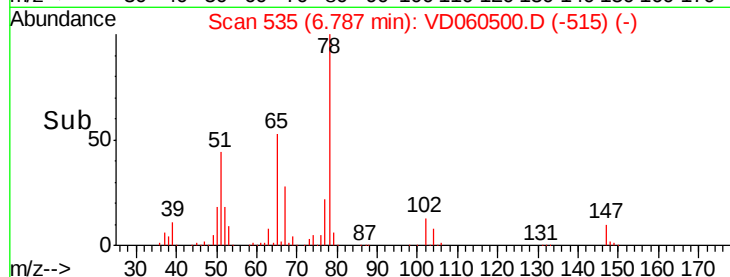
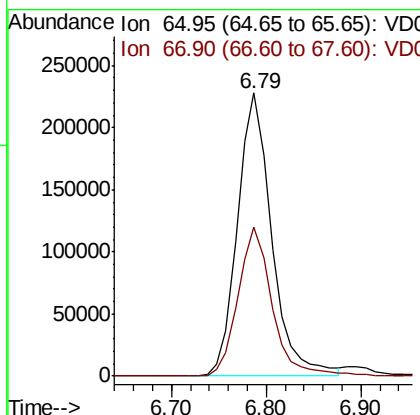
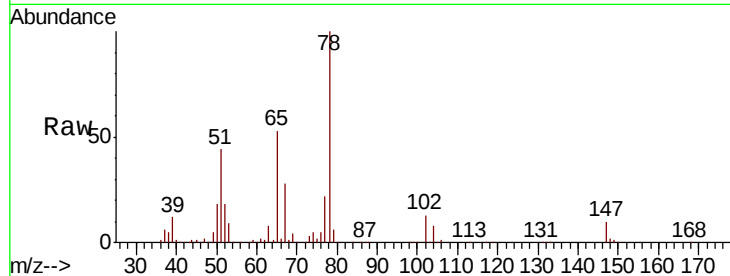
#33
 1,2-Dichloroethane-d4
 Concen: 21.834 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 65 Resp: 571196
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8

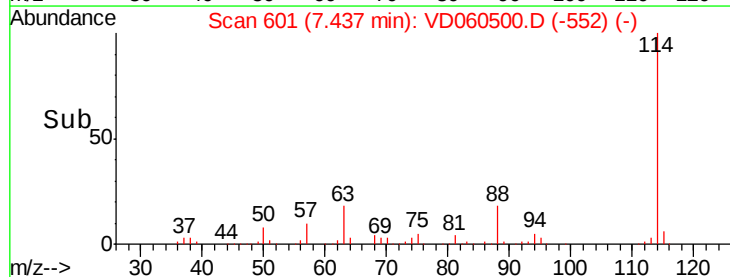
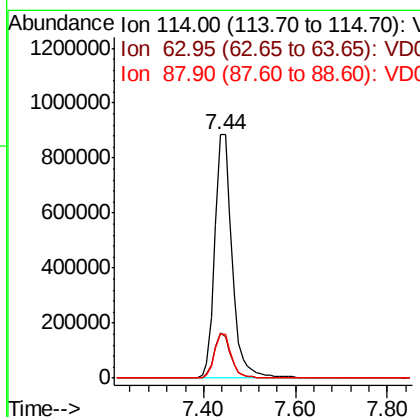
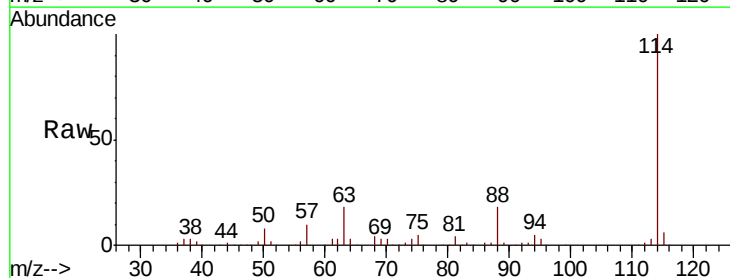
Manual Integrations
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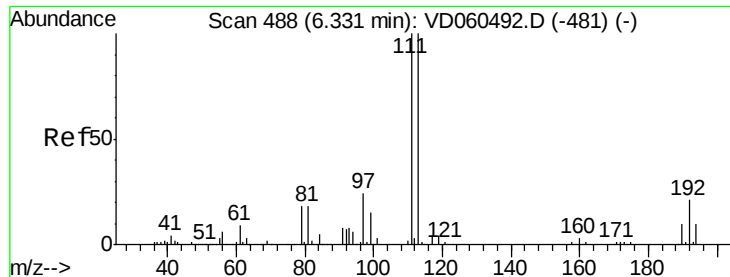
MMDadoda
 12/7/2018 5:03:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 114 Resp: 2279166
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.2
 88 18.3 0.0 35.0





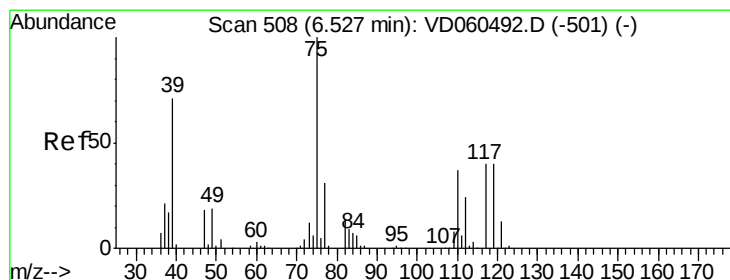
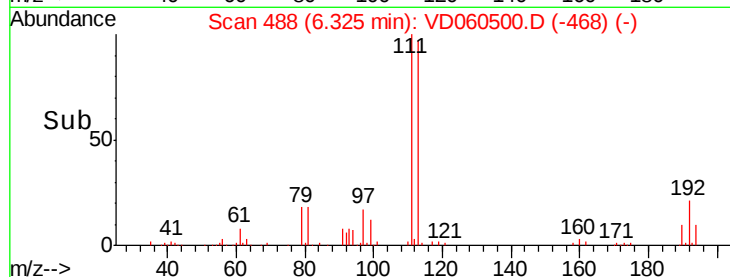
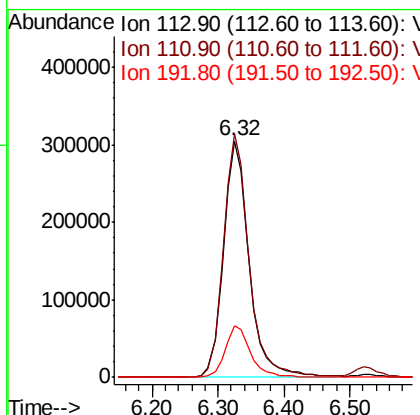
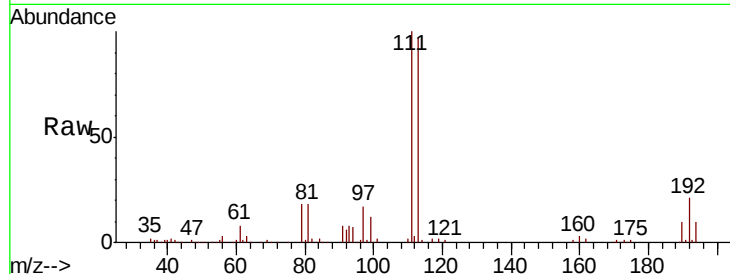
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 488
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	80.2	120.4	
192	21.7	16.6	24.8	

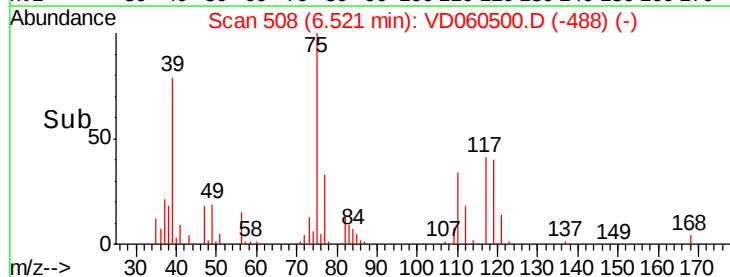
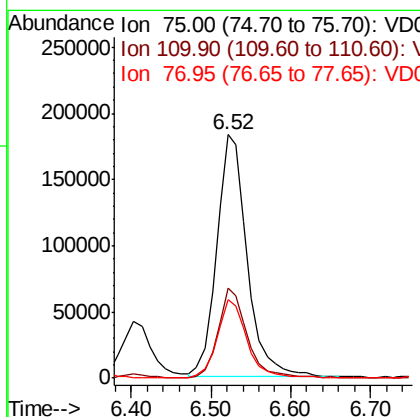
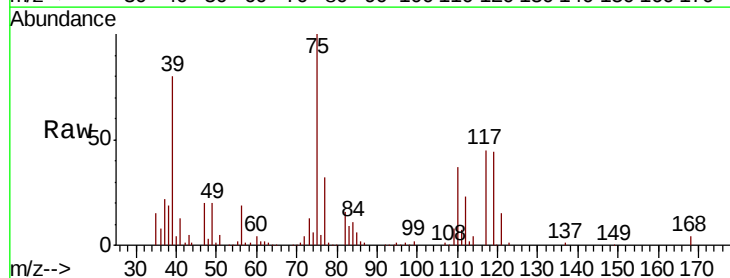
Manual Integrations
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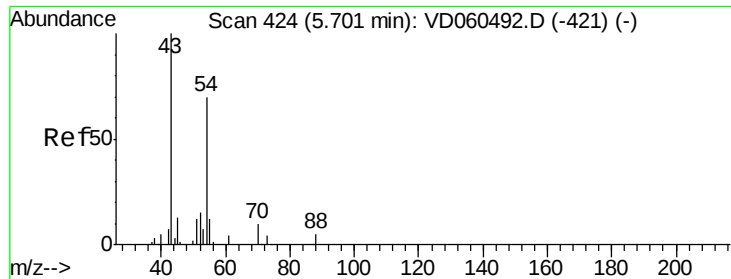
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.868 ug/l
RT: 6.52 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.3	54.8	
77	32.4	24.6	37.0	





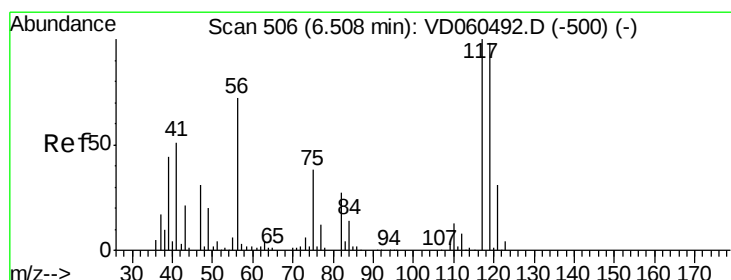
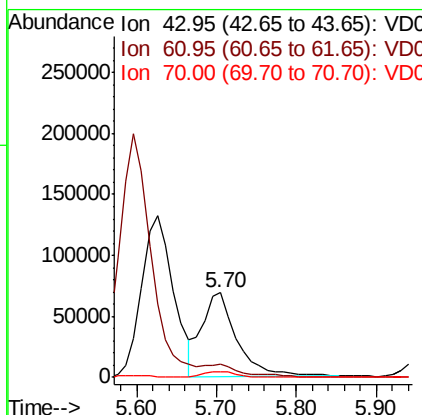
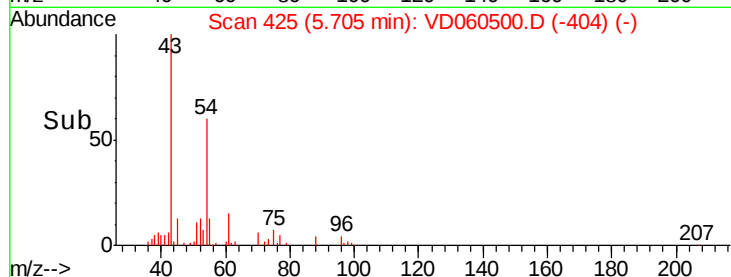
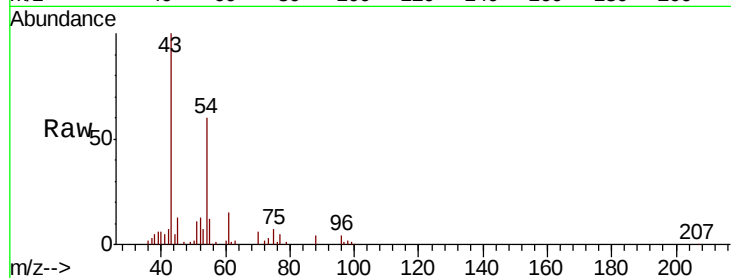
#37
Ethyl Acetate
Concen: 21.499 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 43 Resp: 207724
Ion Ratio Lower Upper
43 100
61 15.3 12.4 18.6
70 5.8 5.4 8.0

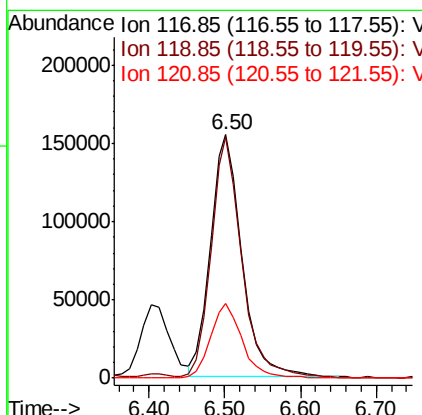
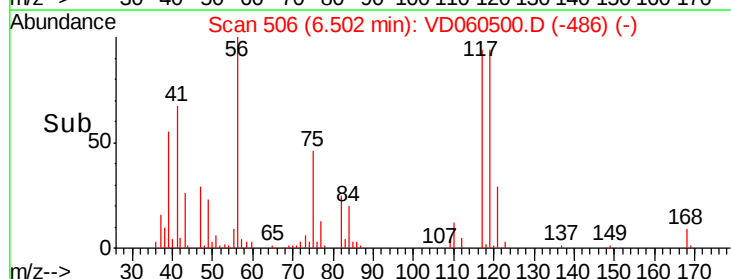
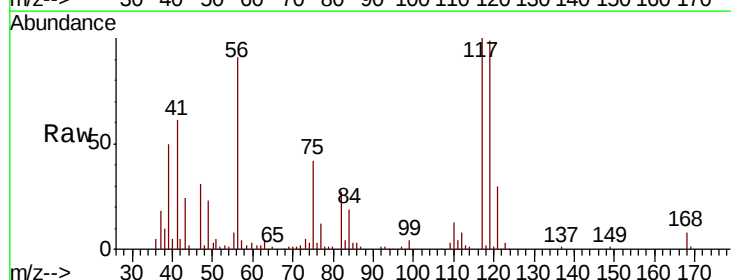
Manual Integrations
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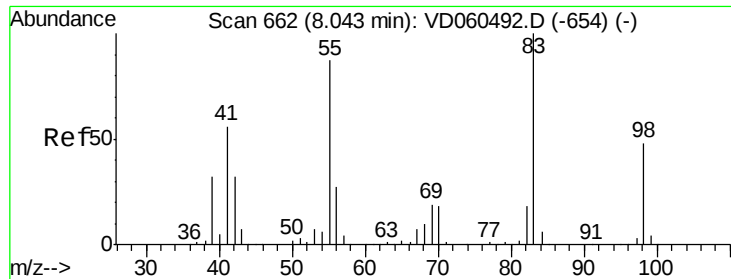
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#38
Carbon Tetrachloride
Concen: 22.318 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 117 Resp: 446365
Ion Ratio Lower Upper
117 100
119 98.9 76.8 115.2
121 30.4 24.4 36.6





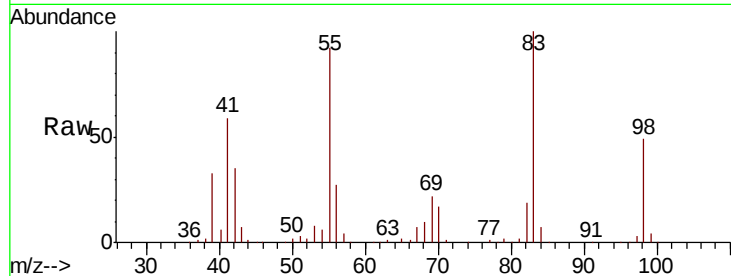
#39
Methvlcvclohexane
Concen: 22.312 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

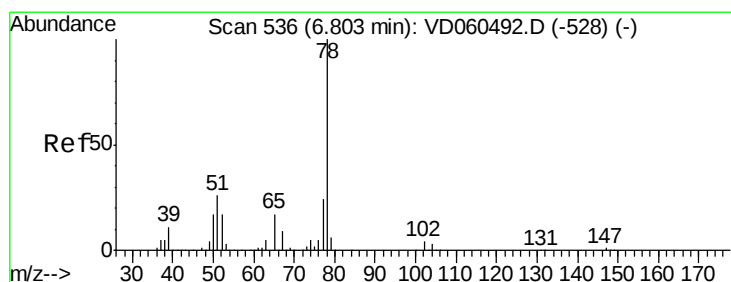
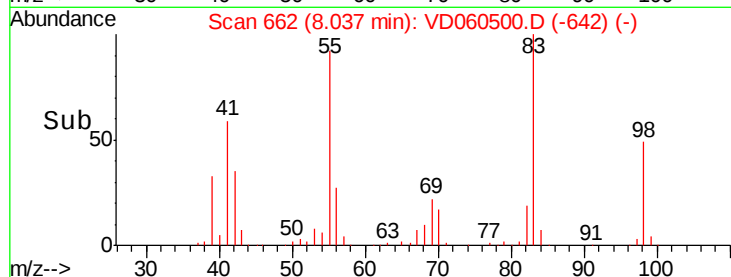
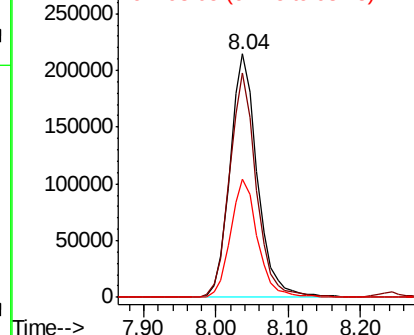
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	92.2	69.8	104.8	
98	48.7	38.4	57.6	

Manual Integrations
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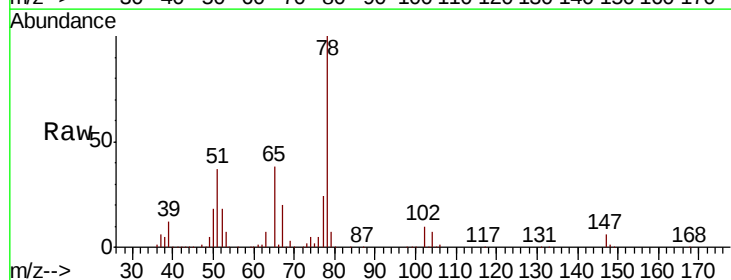


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

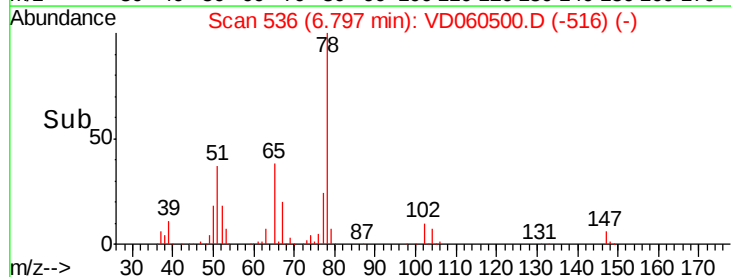
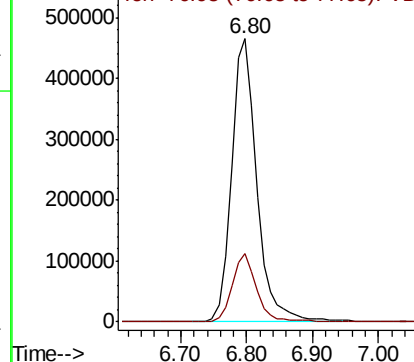


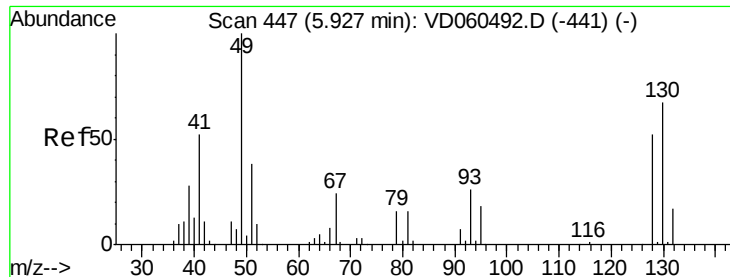
#40
Benzene
Concen: 21.890 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.9	28.3	



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 18.007 ug/l m

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 41 Resp: 93788

Ion Ratio Lower Upper

41 100

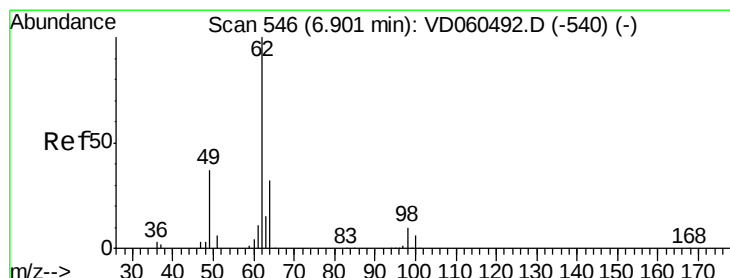
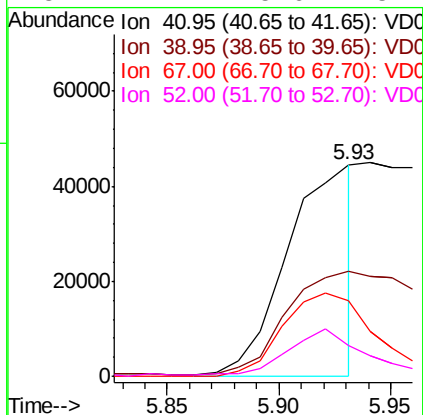
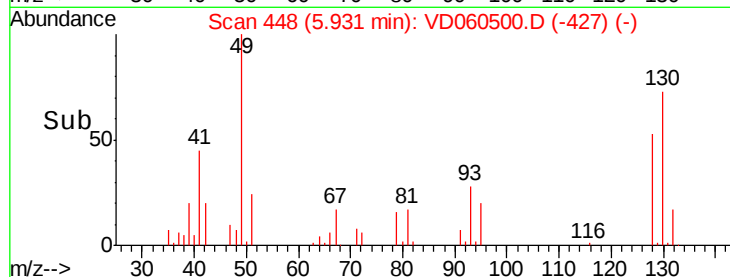
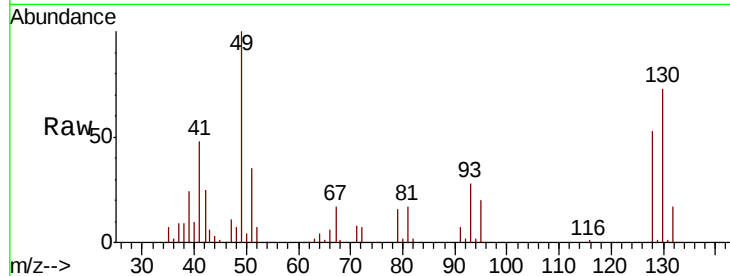
39 49.7 42.6 63.8

67 35.7 36.2 54.4#

52 14.7 15.6 23.4#

Manual Integrations
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12/7/2018 5:03:28 PM



#42

1,2-Dichloroethane

Concen: 21.096 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060500.D

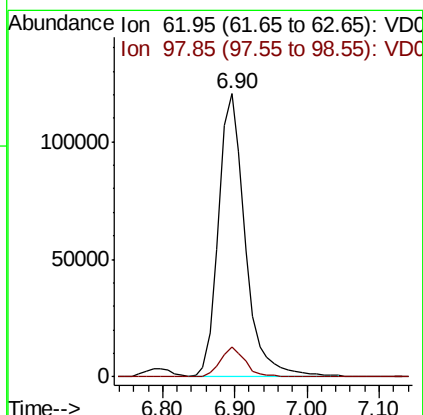
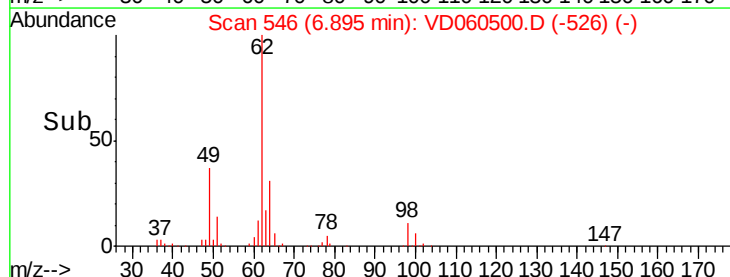
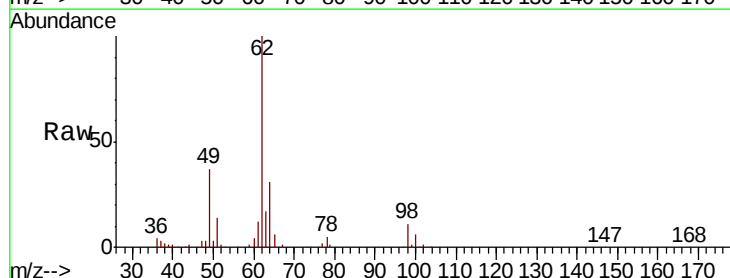
Acq: 6 Dec 2018 12:18

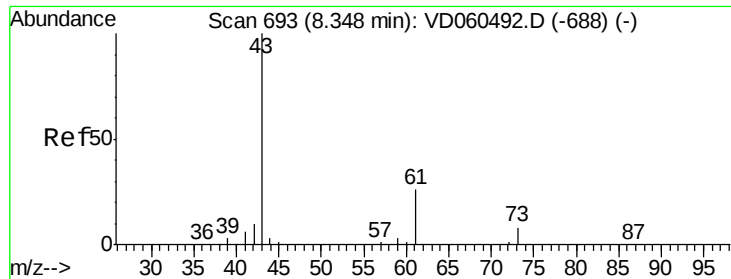
Tgt Ion: 62 Resp: 305401

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.2





#43

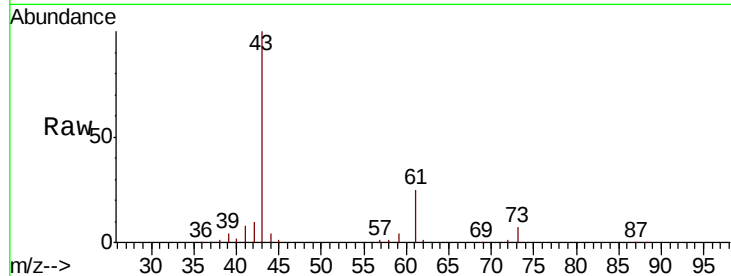
Isopropyl Acetate
 Concen: 20.803 ug/l
 RT: 8.34 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

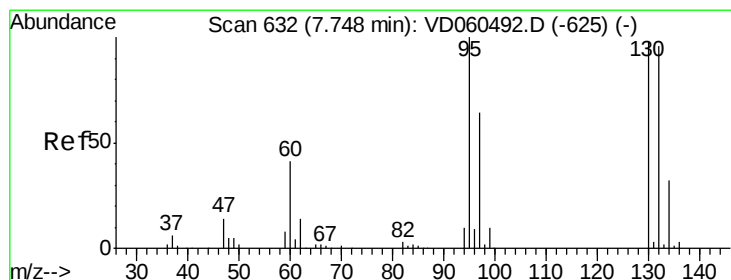
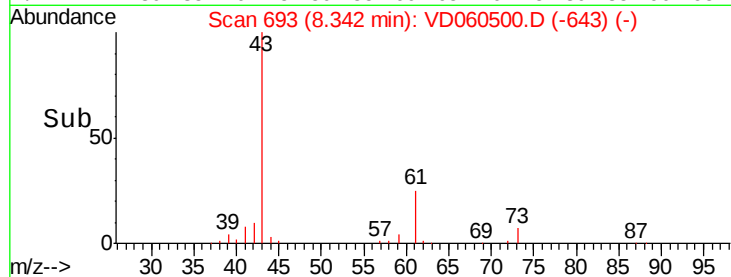
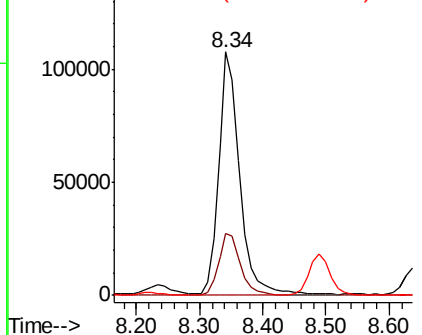
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	21.0	31.4
87	0.4	0.2	0.2#

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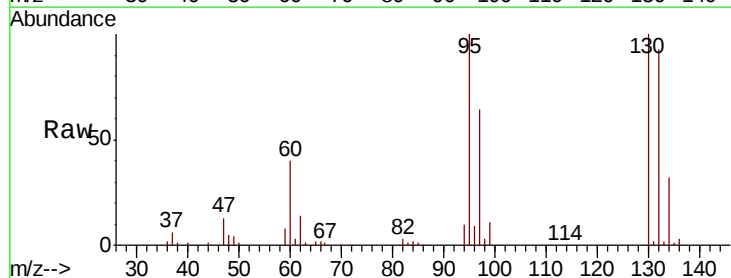
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



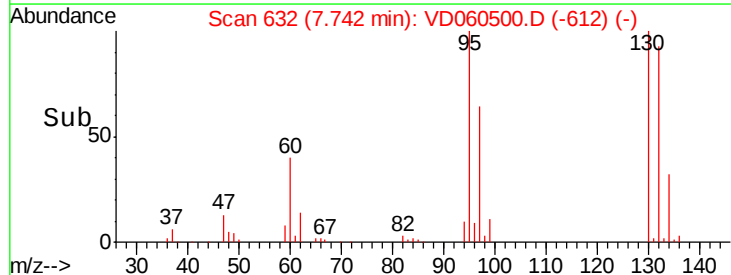
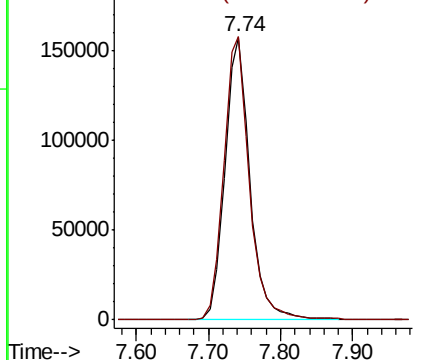
#44

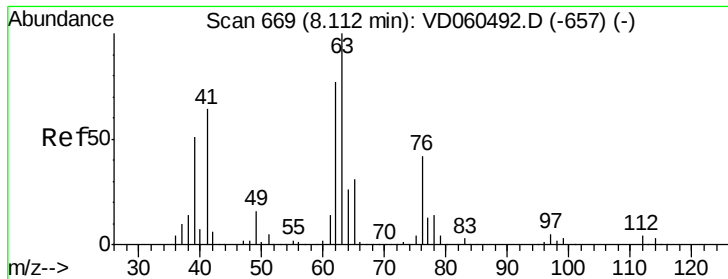
Trichloroethene
 Concen: 22.111 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.672 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 63 Resp: 305184

Ion Ratio Lower Upper

63 100

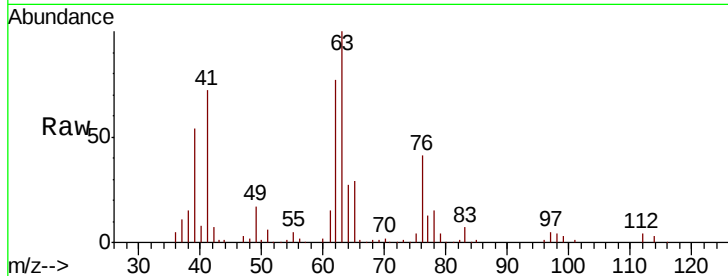
65 29.2 24.6 37.0

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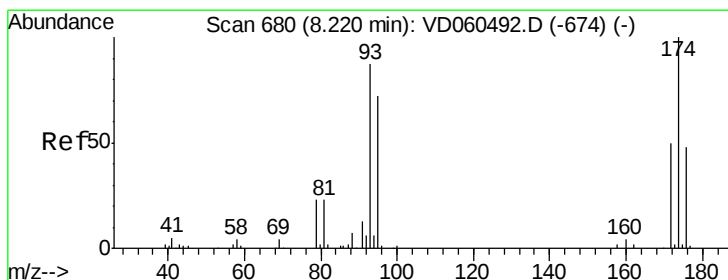
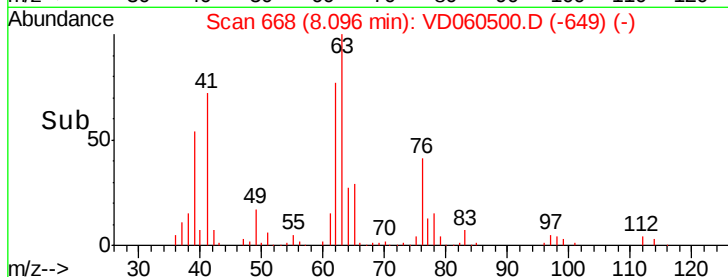
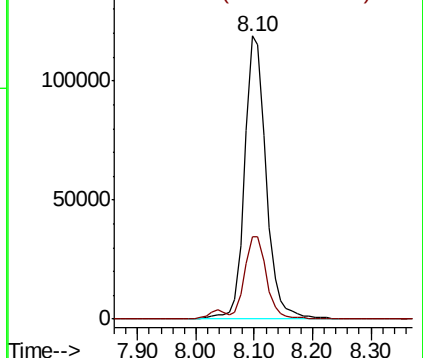
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.115 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

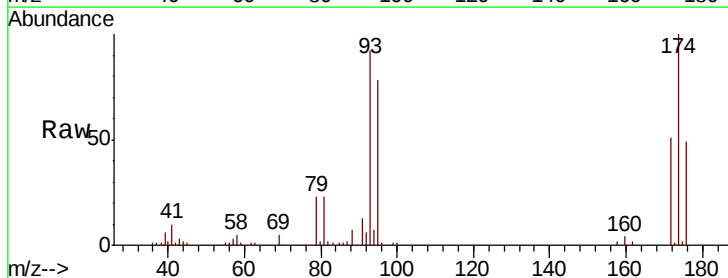
Tgt Ion: 93 Resp: 171796

Ion Ratio Lower Upper

93 100

95 85.6 65.6 98.4

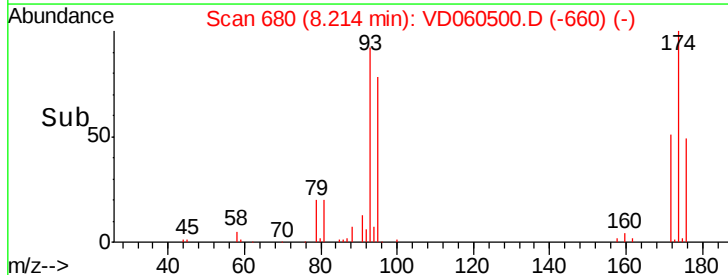
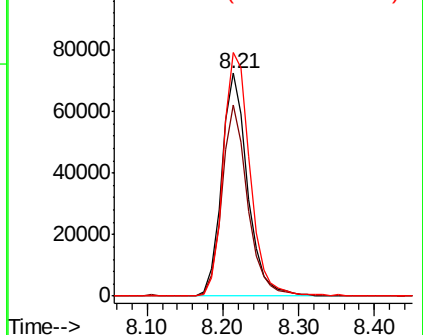
174 109.2 91.7 137.5

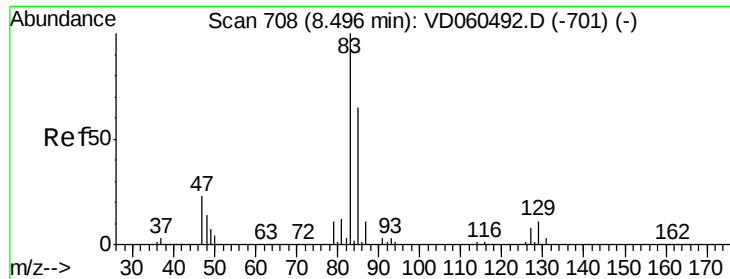


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.777 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

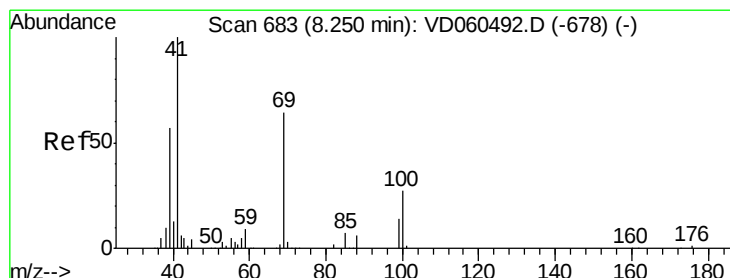
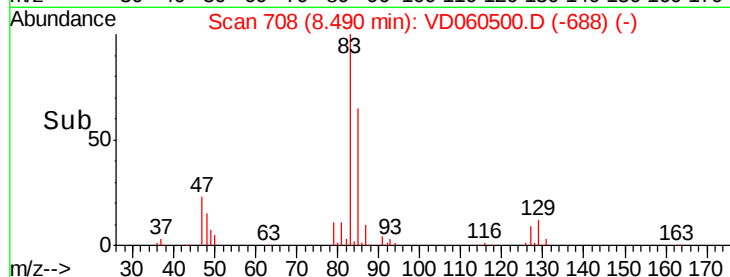
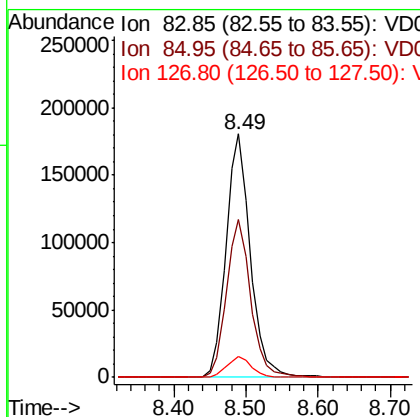
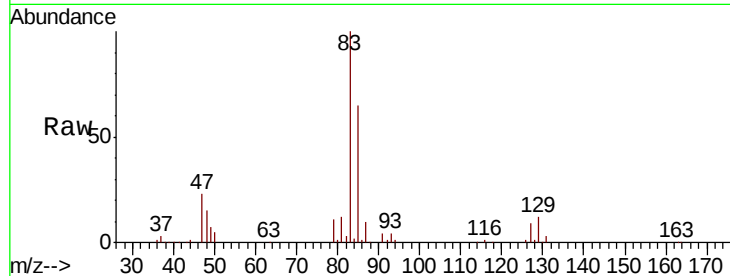
ClientSampleId :

VD1206SBS01

Tot Ion:	83	Resp:	420392
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.2	78.4
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 21.907 ug/l

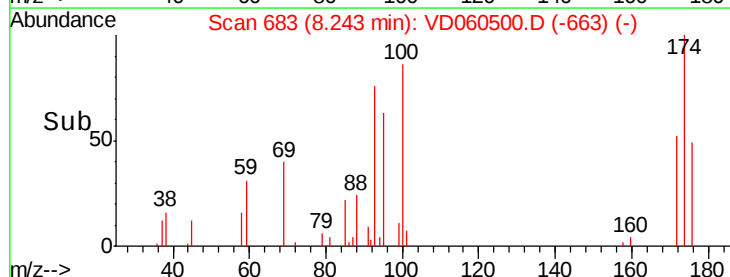
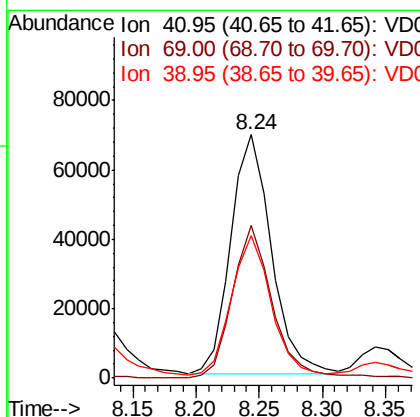
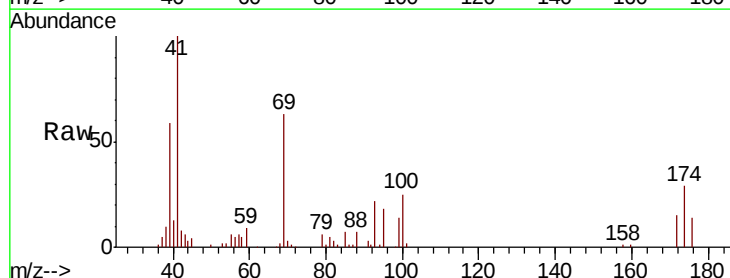
RT: 8.24 min Scan# 683

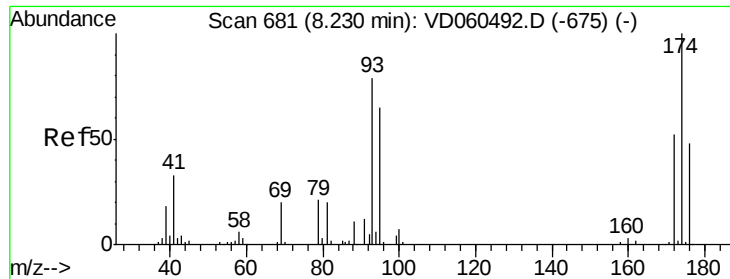
Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion:	41	Resp:	154600
Ion Ratio	Lower	Upper	
41	100		
69	62.9	50.2	75.4
39	58.7	46.1	69.1





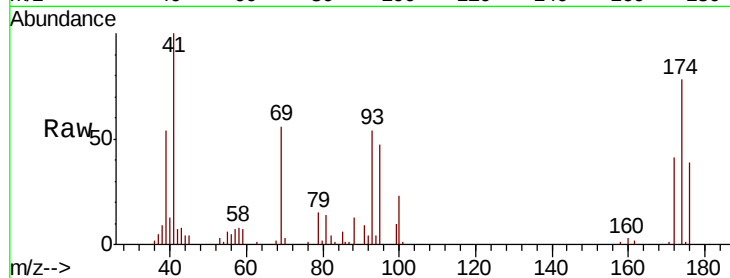
#49
1,4-Dioxane
Concen: 414.260 ug/l
RT: 8.23 min Scan# 682
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

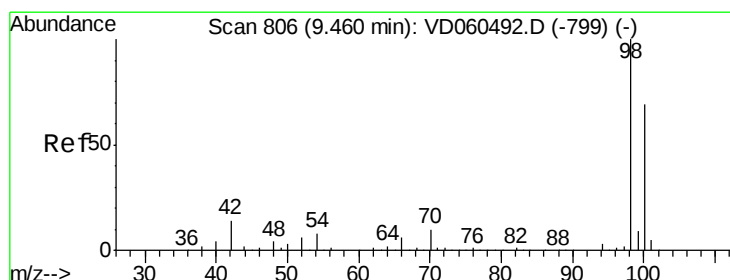
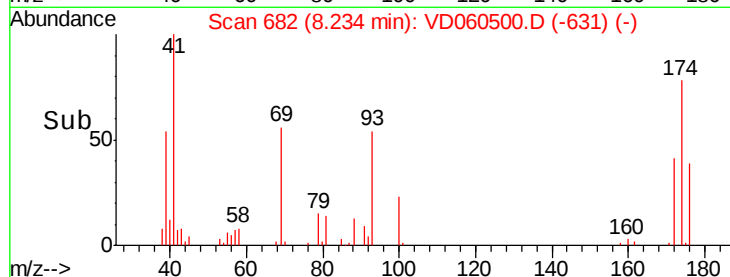
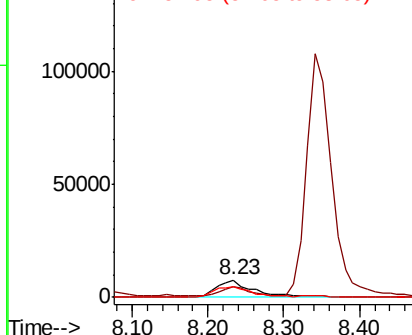
Tot Ion	Ratio	Lower	Upper
88	100		
43	62.2	32.9	49.3#
58	64.5	47.7	71.5

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12/7/2018 5:03:28 PM

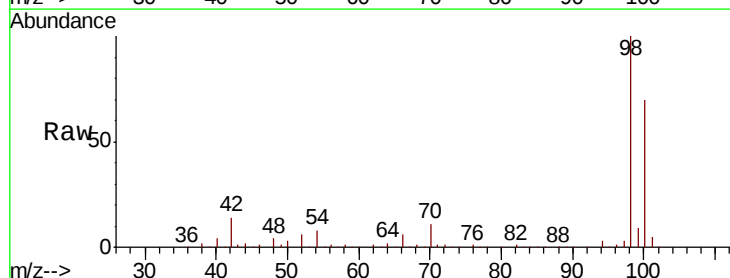


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

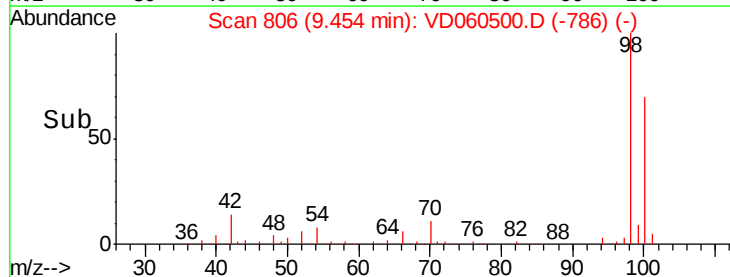
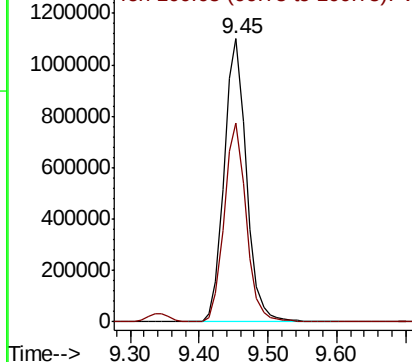


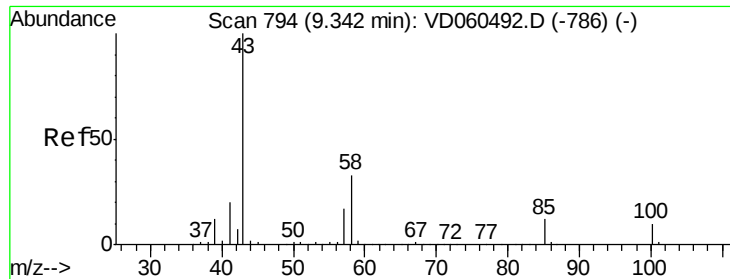
#50
Toluene-d8
Concen: 414.260 ug/l
RT: 9.45 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	55.7	83.5



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





#51

4-Methyl-2-Pentanone

Concen: 106.879 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 792938

Ion Ratio Lower Upper

43 100

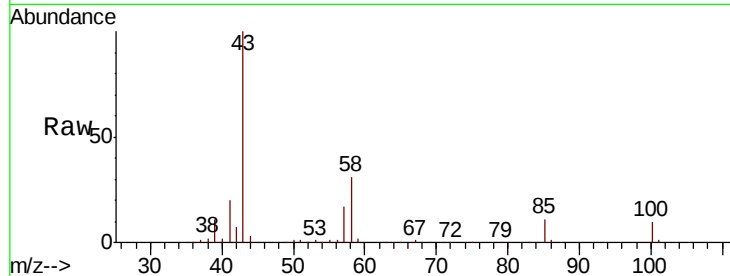
58 31.3 26.3 39.5

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12/7/2018 5:03:28 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

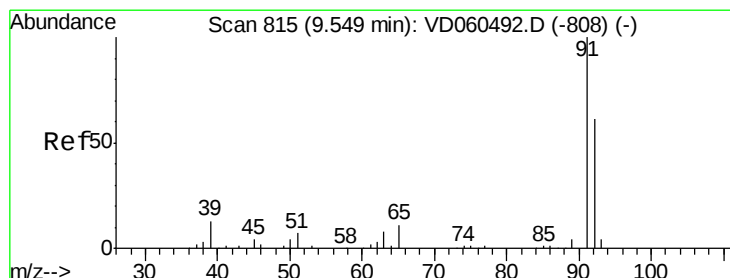
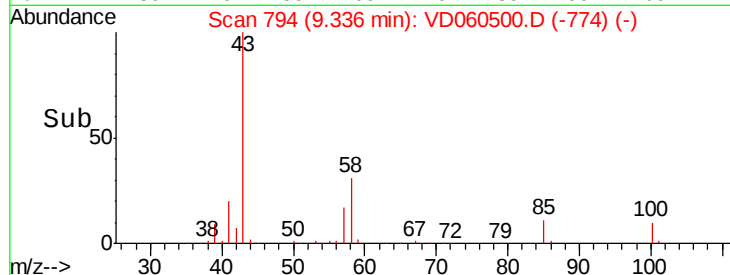
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.994 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060500.D

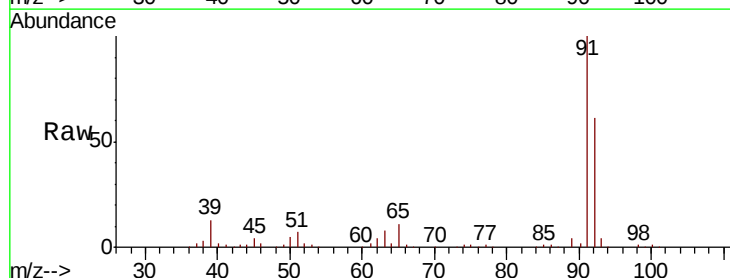
Acq: 6 Dec 2018 12:18

Tgt Ion: 92 Resp: 782684

Ion Ratio Lower Upper

92 100

91 164.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

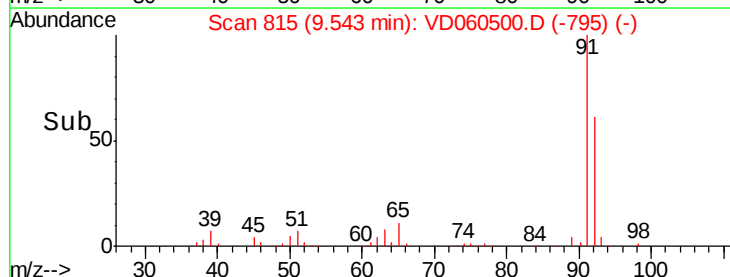
600000

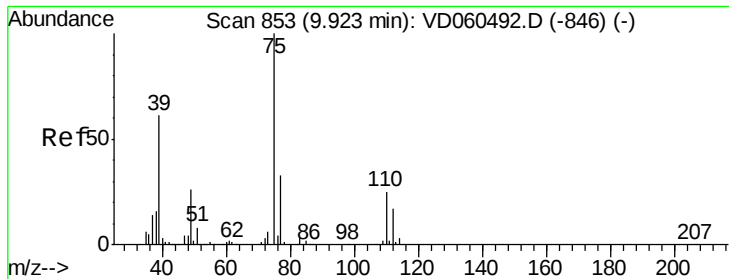
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.318 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 75 Resp: 338152

Ion Ratio Lower Upper

75 100

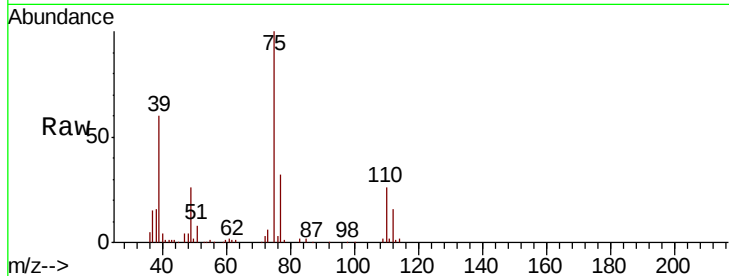
77 32.4 26.2 39.2

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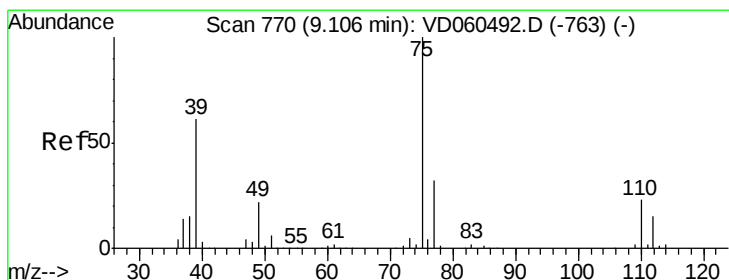
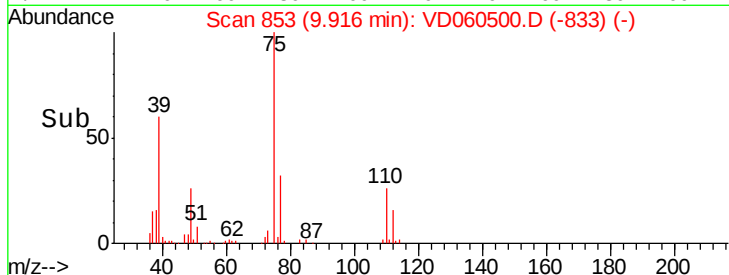
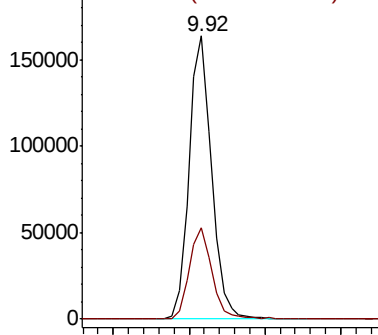
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.612 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

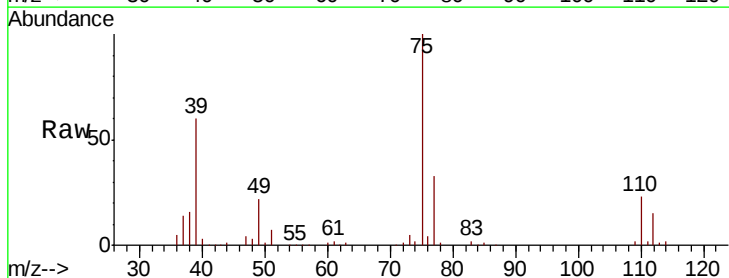
Tgt Ion: 75 Resp: 450409

Ion Ratio Lower Upper

75 100

77 32.7 25.6 38.4

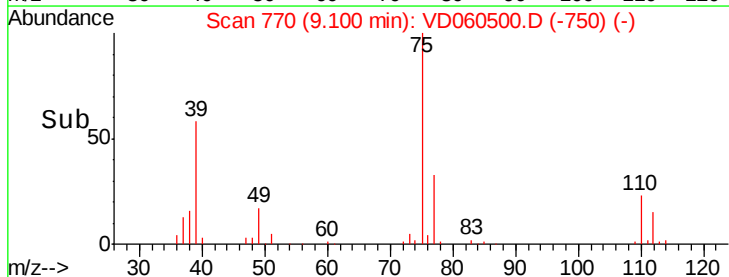
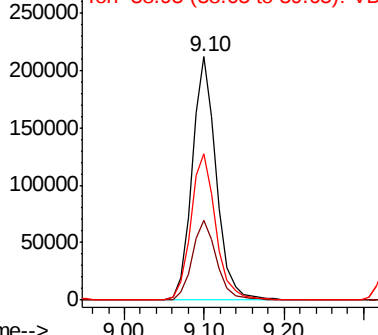
39 60.0 48.6 73.0

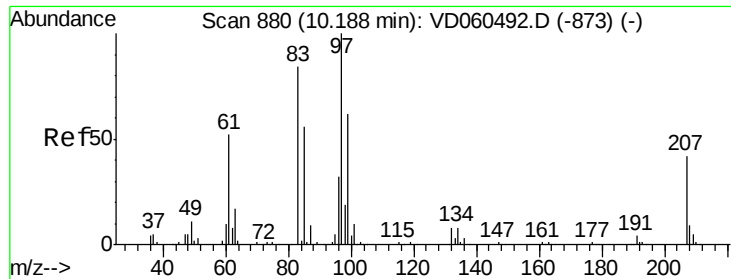


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





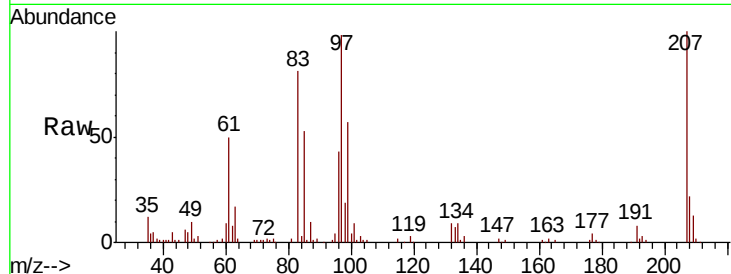
#55
 1,1,2-Trichloroethane
 Concen: 21.371 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

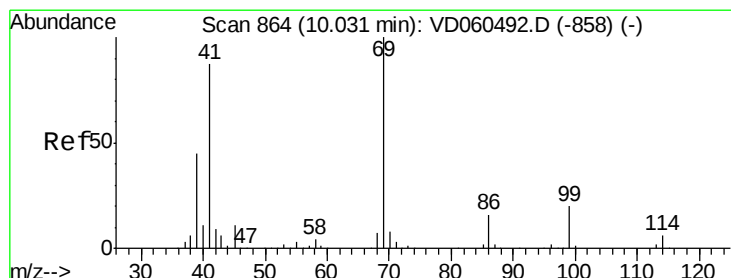
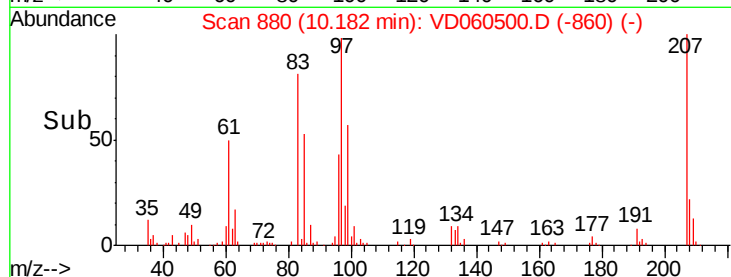
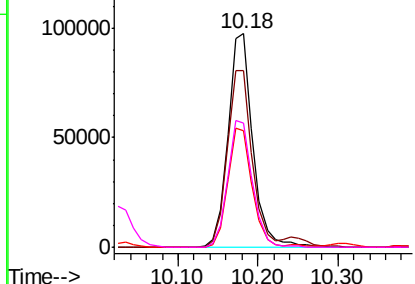
Tot Ion:	97	Resp:	211790
Ion Ratio	Lower	Upper	
97	100		
83	82.4	67.2	100.8
85	54.3	44.5	66.7
99	58.2	49.3	73.9

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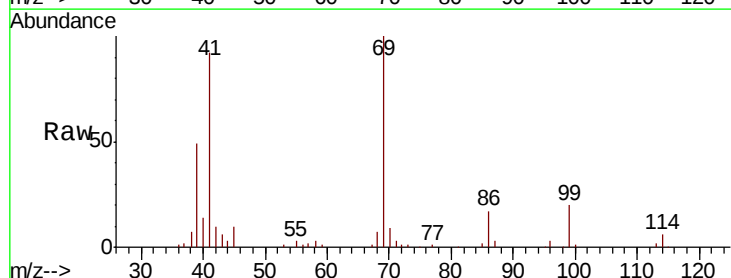


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

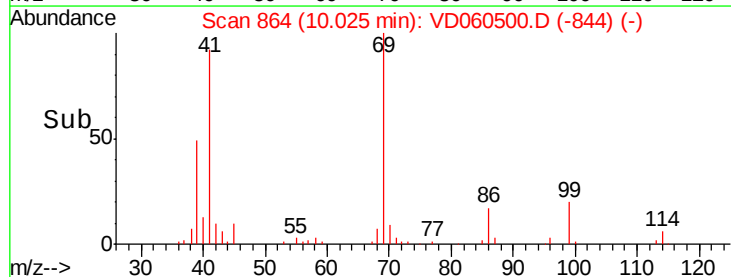
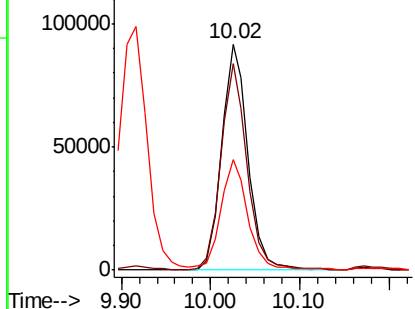


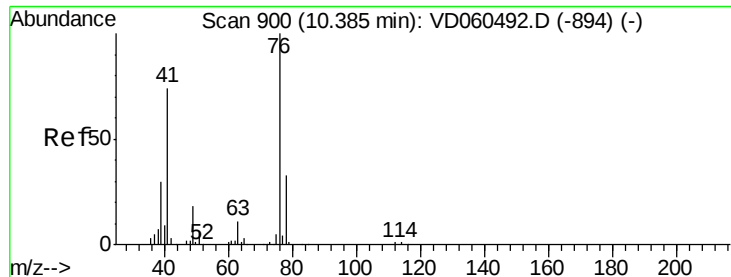
#56
 Ethyl methacrylate
 Concen: 21.123 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion:	69	Resp:	189455
Ion Ratio	Lower	Upper	
69	100		
41	91.7	69.8	104.8
39	49.1	37.5	56.3



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





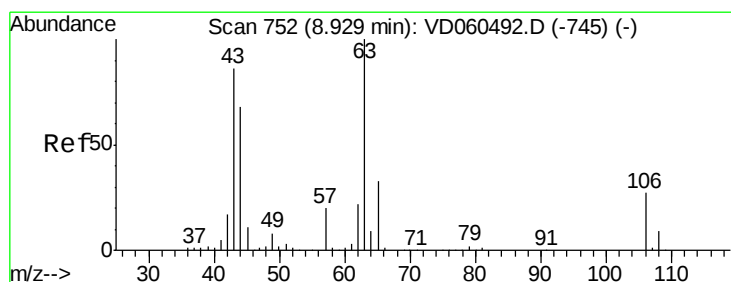
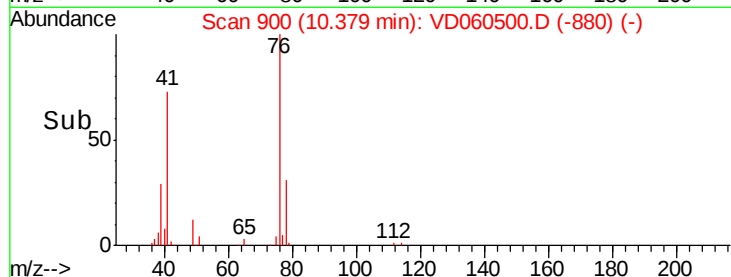
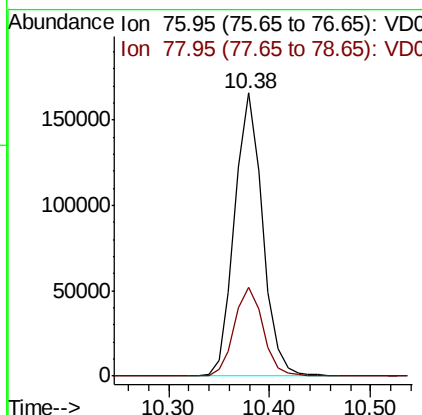
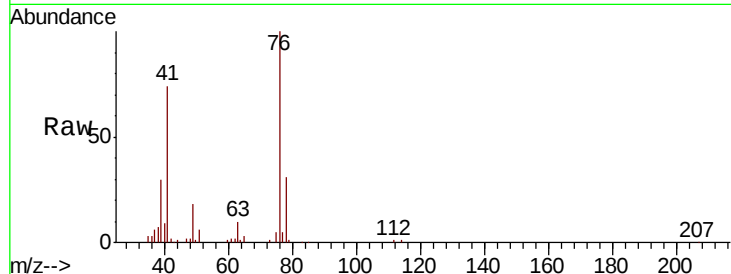
#57
 1,3-Dichloropropane
 Concen: 20.947 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 76 Resp: 320909
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.1 39.1

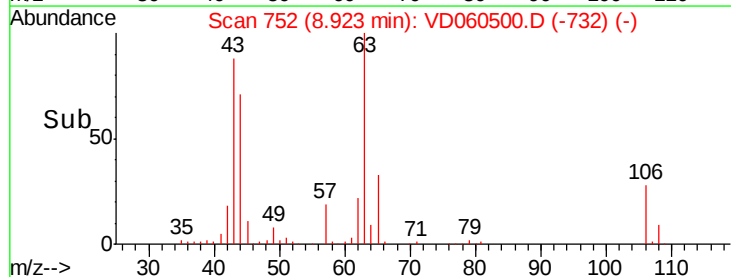
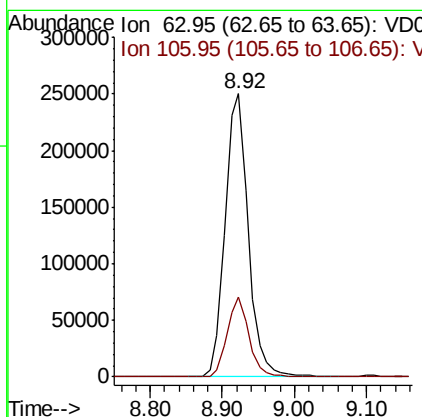
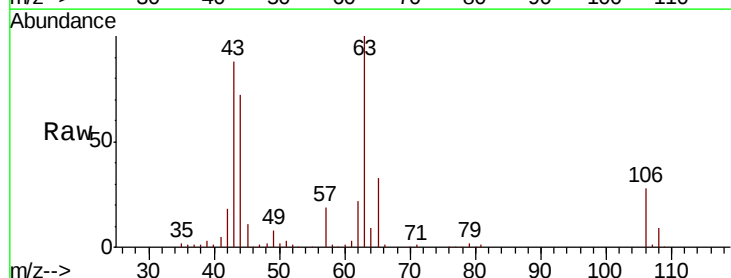
Manual Integrations
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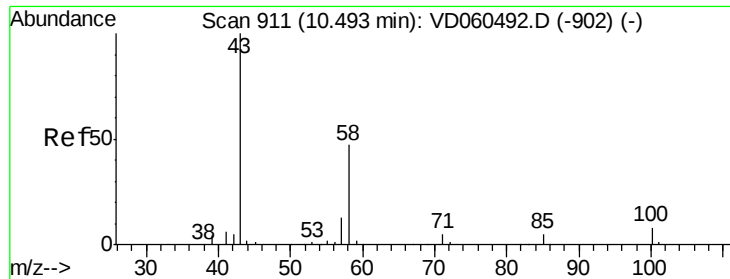
MMDadoda
 12/7/2018 5:03:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.680 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 63 Resp: 556403
 Ion Ratio Lower Upper
 63 100
 106 28.3 21.6 32.4





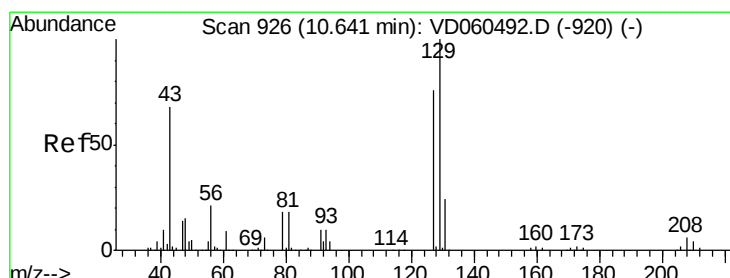
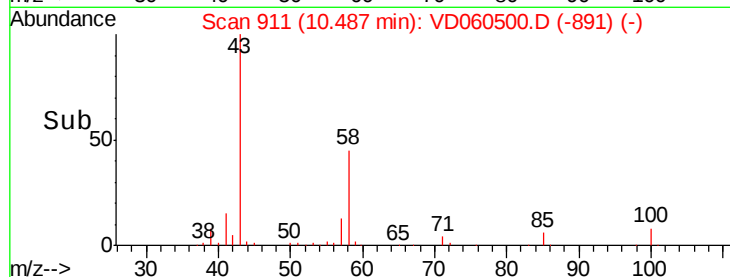
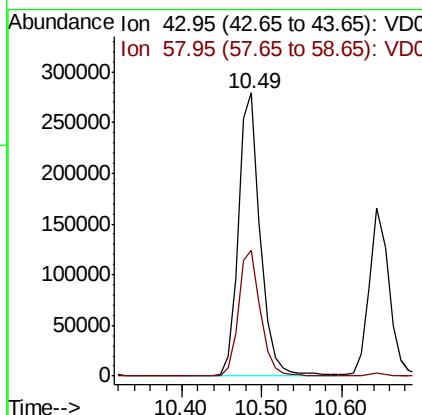
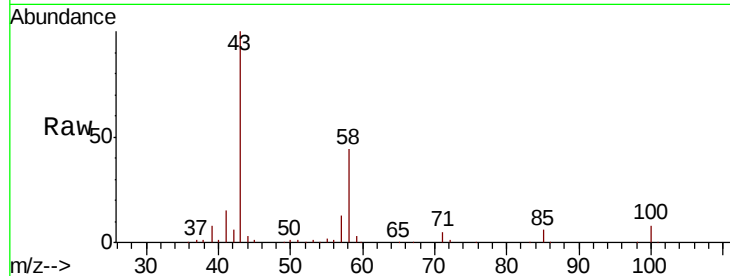
#59
2-Hexanone
Concen: 102.718 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 43 Resp: 532662
Ion Ratio Lower Upper
43 100
58 44.4 23.4 70.2

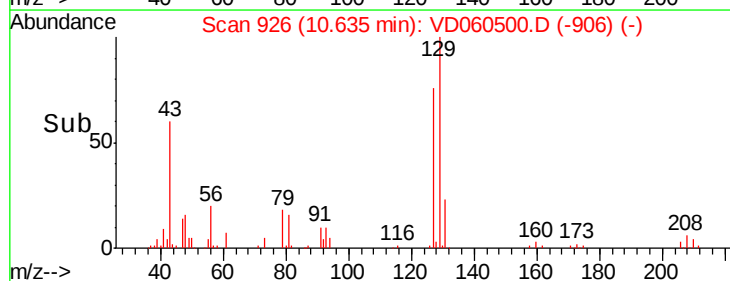
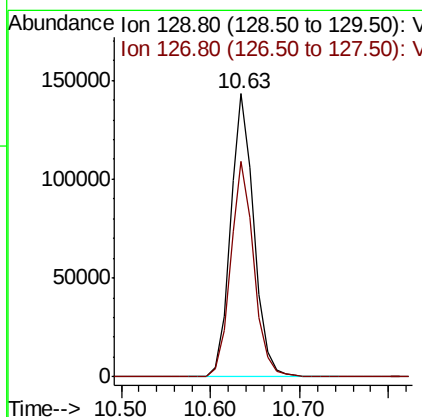
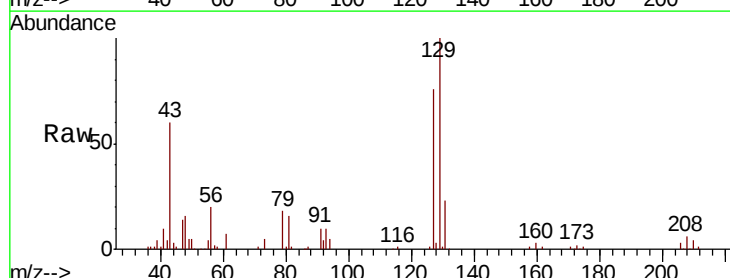
Manual Integrations
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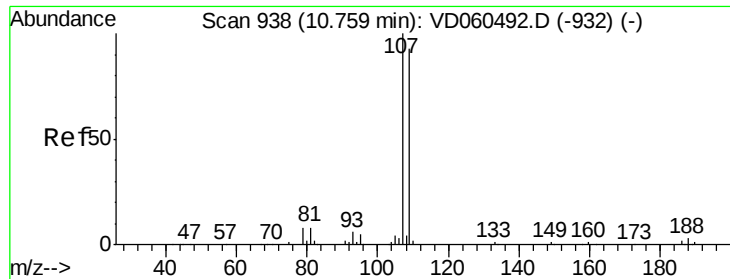
MMDadoda
12/7/2018 5:03:28 PM



#60
Dibromochloromethane
Concen: 21.281 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 129 Resp: 263685
Ion Ratio Lower Upper
129 100
127 76.3 38.1 114.3





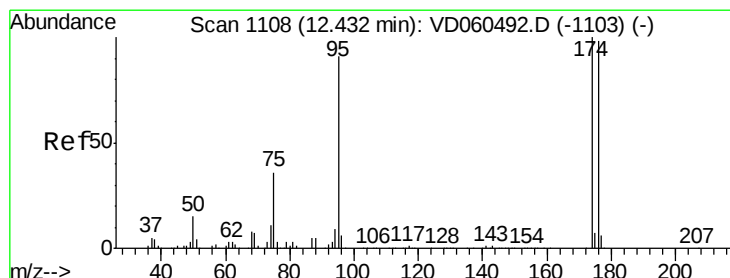
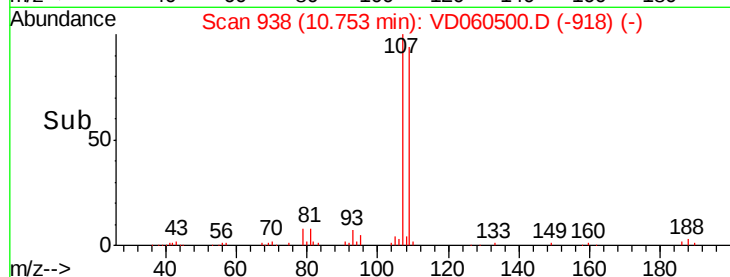
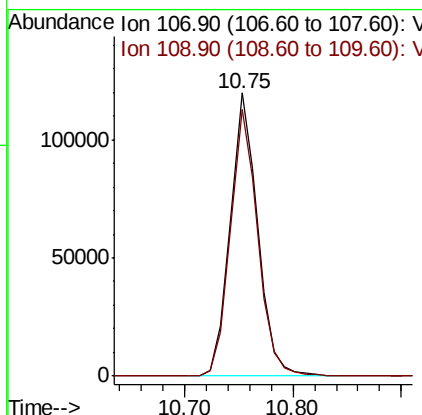
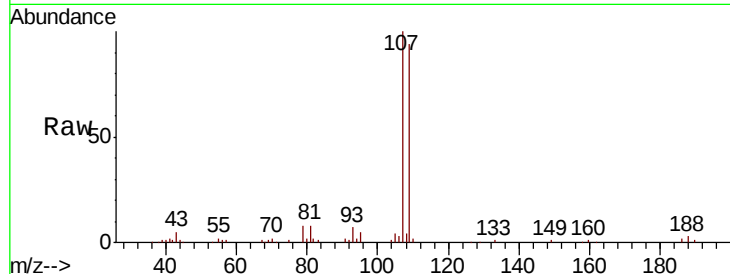
#61
1,2-Dibromoethane
Concen: 20.924 ug/l
RT: 10.75 min Scan# 938
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.7	112.1

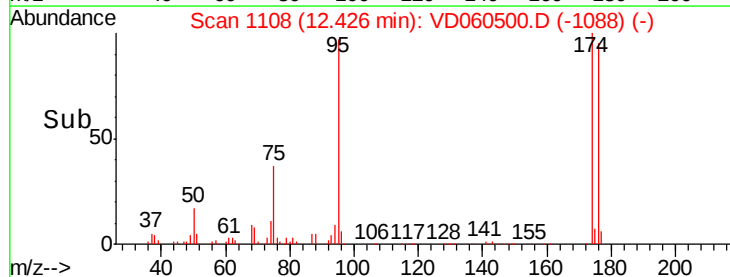
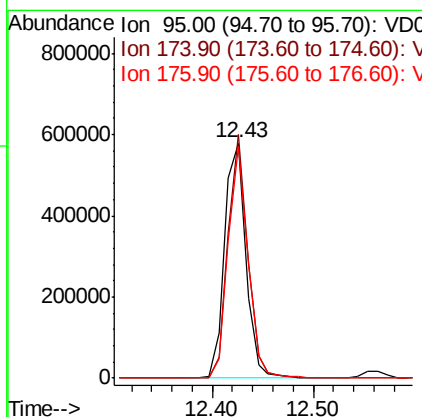
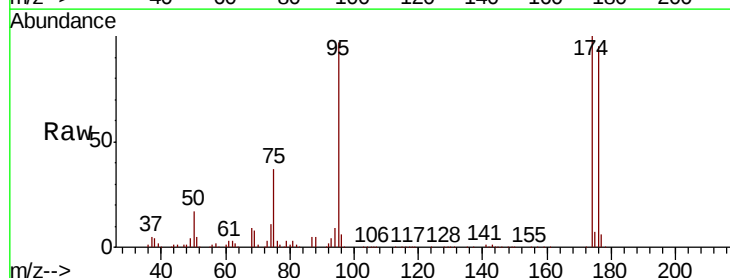
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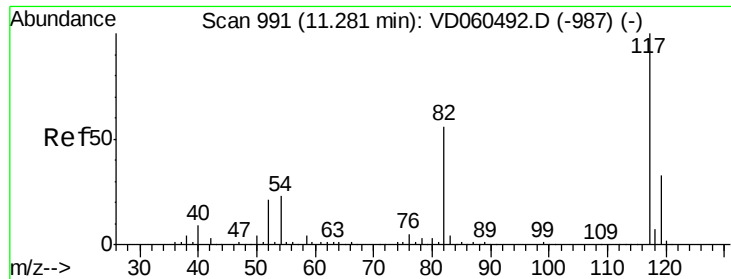
MMDadoda
12/7/2018 5:03:28 PM



#62
4-Bromofluorobenzene
Concen: 20.924 ug/l
RT: 12.43 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	103.5	0.0	219.4
176	98.6	0.0	214.6





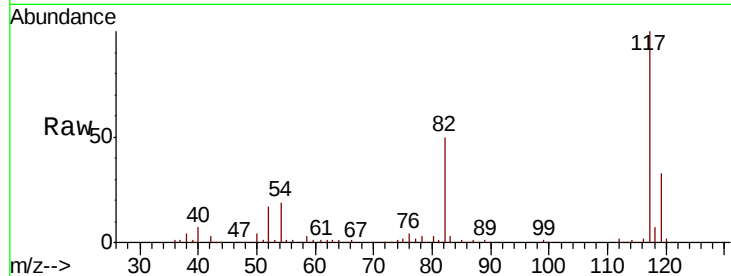
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

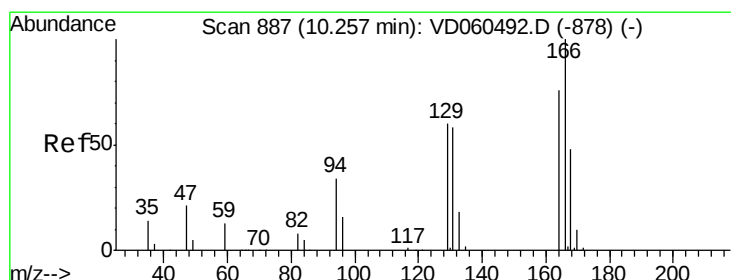
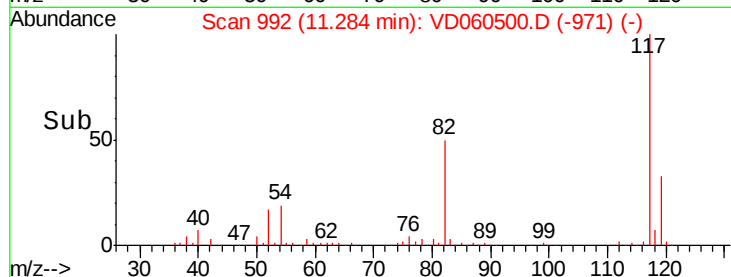
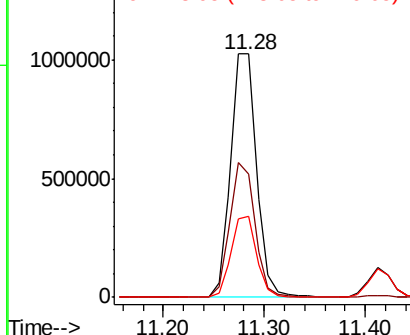
Tot Ion:117 Resp: 1826318
Ion Ratio Lower Upper
117 100
82 50.5 45.2 67.8
119 33.2 26.1 39.1

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12/7/2018 5:03:28 PM



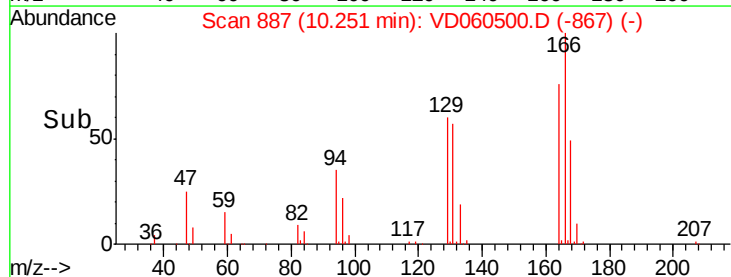
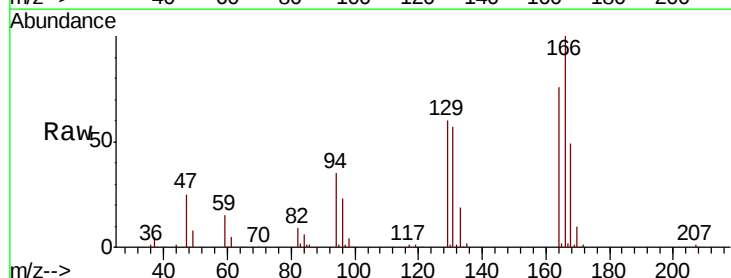
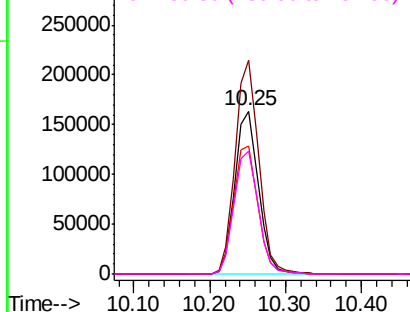
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

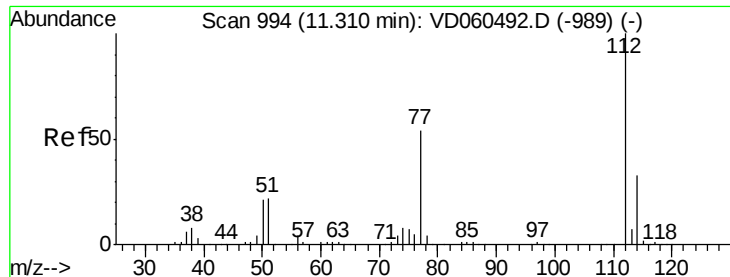


#64
Tetrachloroethene
Concen: 21.756 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:164 Resp: 351830
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 79.1 63.0 94.4
131 75.3 60.6 90.8

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





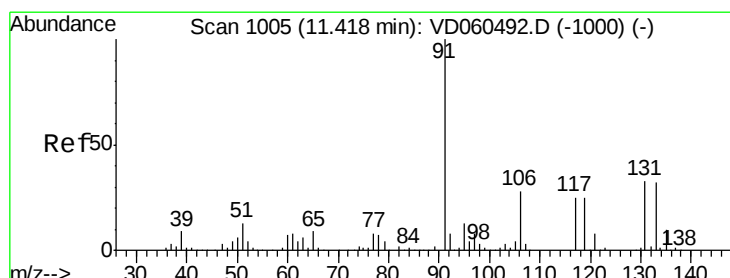
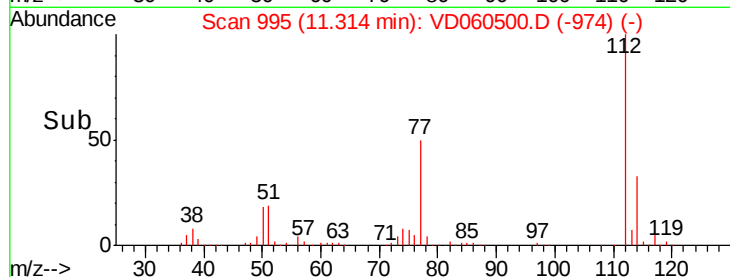
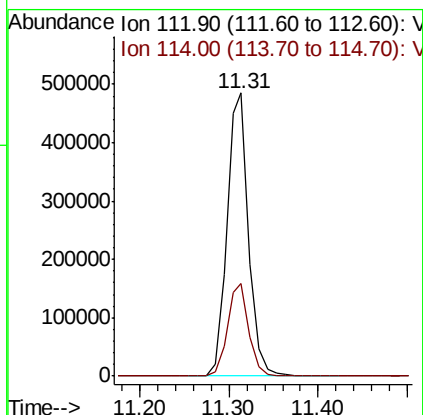
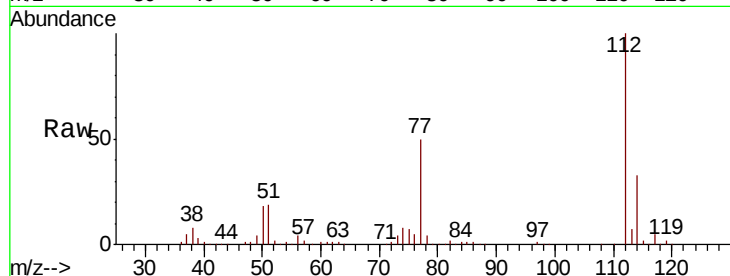
#65
Chlorobenzene
Concen: 21.385 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion:112 Resp: 826233
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4

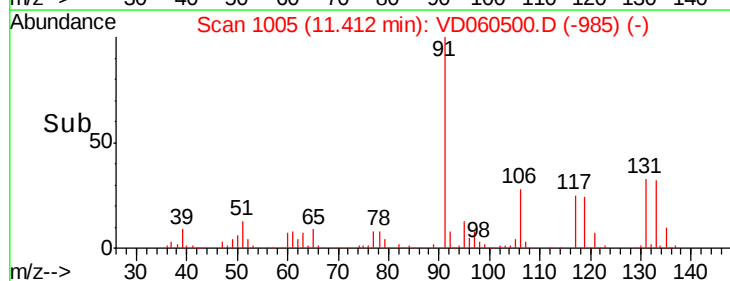
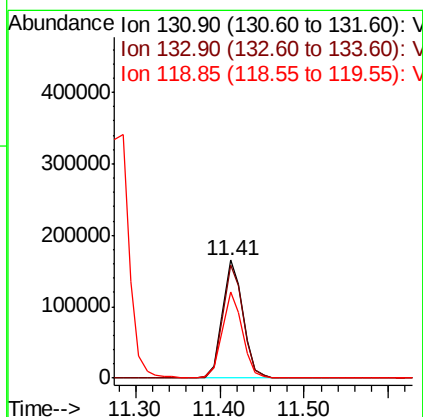
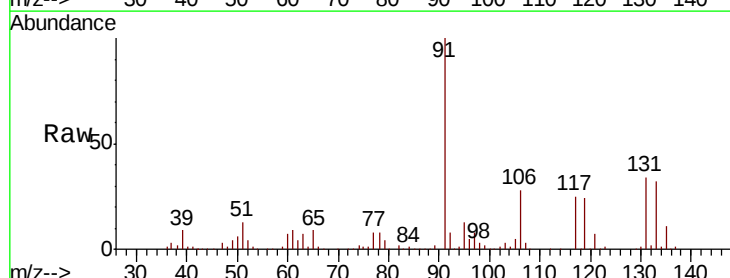
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12/7/2018 5:03:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.366 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:131 Resp: 278534
Ion Ratio Lower Upper
131 100
133 96.2 49.1 147.3
119 72.5 37.5 112.3





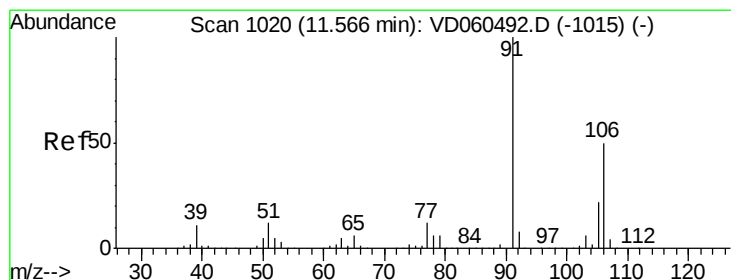
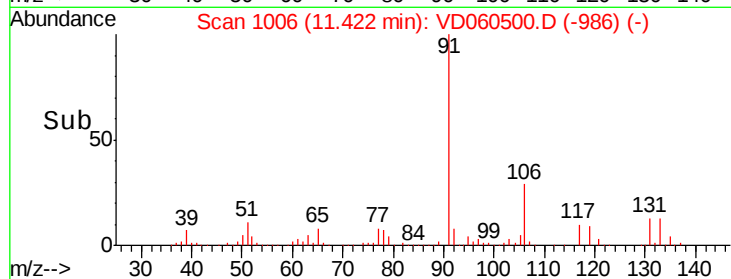
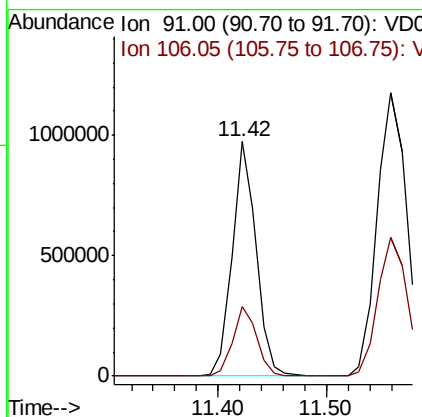
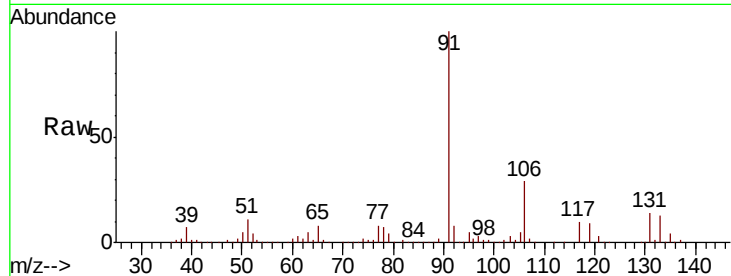
#67
Ethyl Benzene
Concen: 22.761 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 91 Resp: 1500036
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0

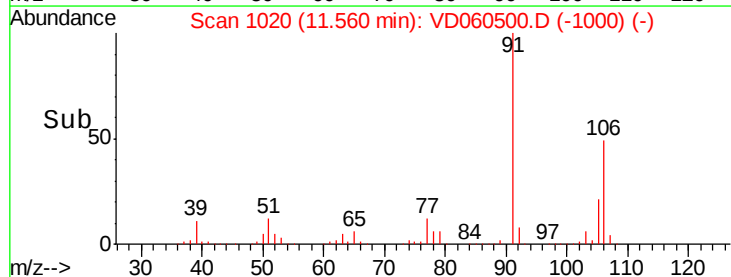
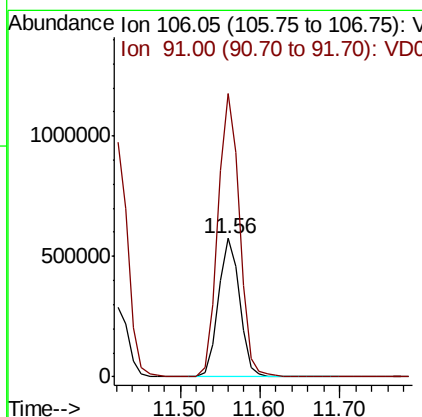
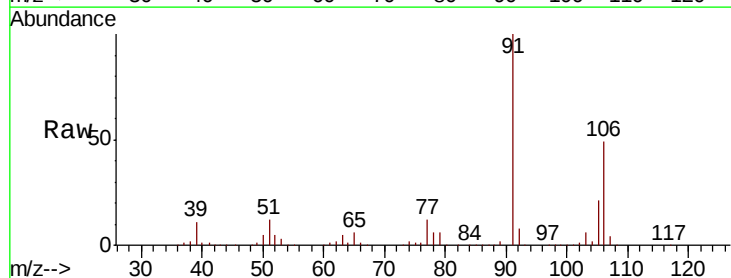
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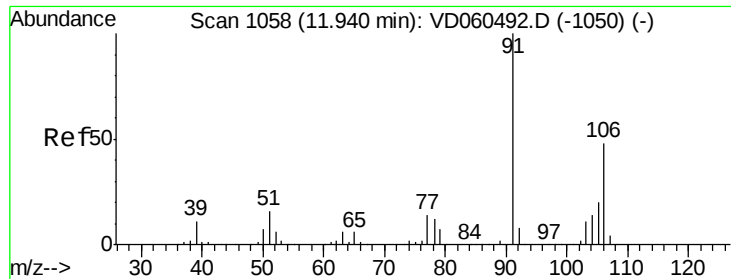
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12/7/2018 5:03:28 PM



#68
m/p-Xylenes
Concen: 44.461 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 106 Resp: 1084010
Ion Ratio Lower Upper
106 100
91 204.8 160.5 240.7





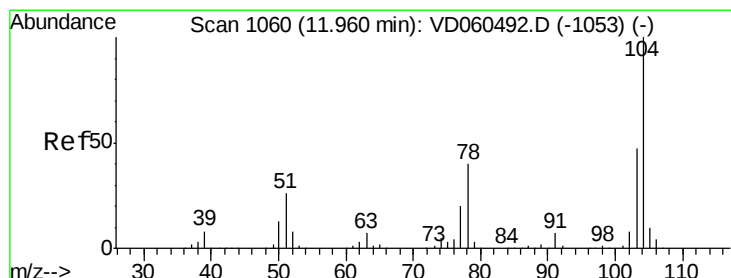
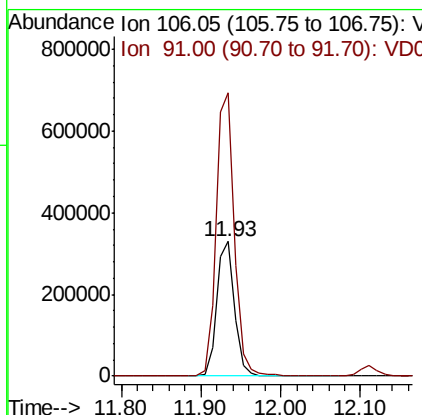
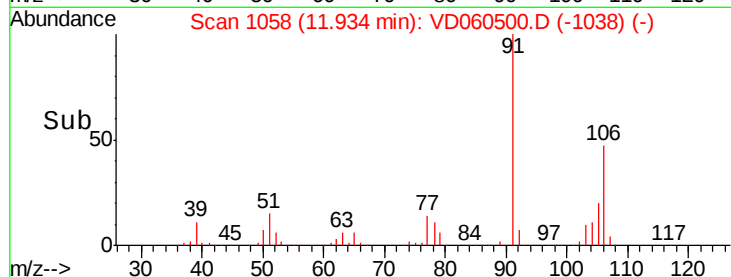
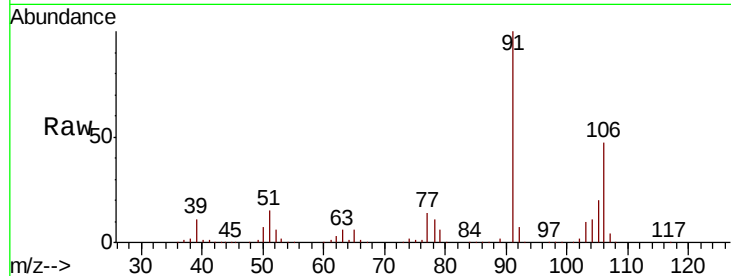
#69
o-Xylene
Concen: 22.308 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion:106 Resp: 518330
Ion Ratio Lower Upper
106 100
91 210.7 103.4 310.1

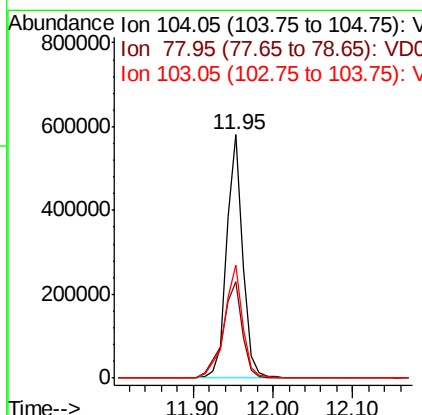
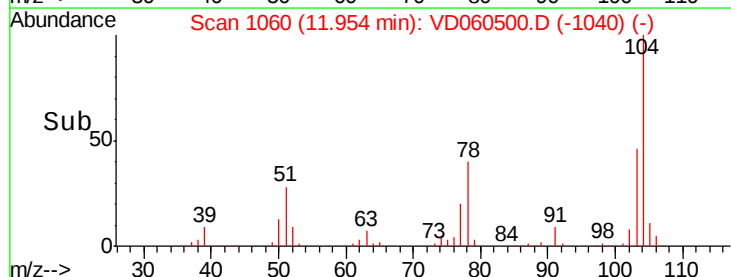
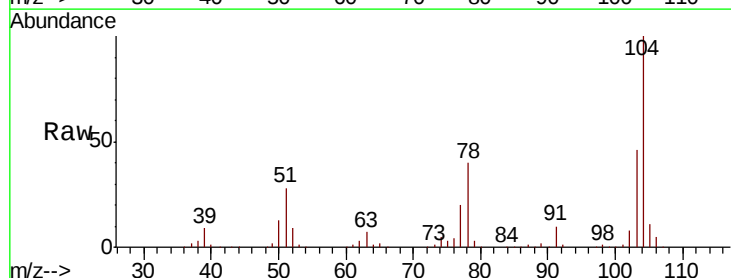
Manual Integrations
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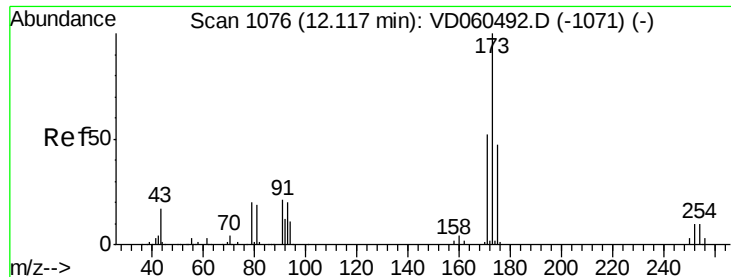
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#70
Styrene
Concen: 22.254 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion:104 Resp: 829971
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 46.3 37.2 55.8





#71

Bromoform

Concen: 20.241 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:173 Resp: 168174

Ion Ratio Lower Upper

173 100

175 48.3 23.5 70.6

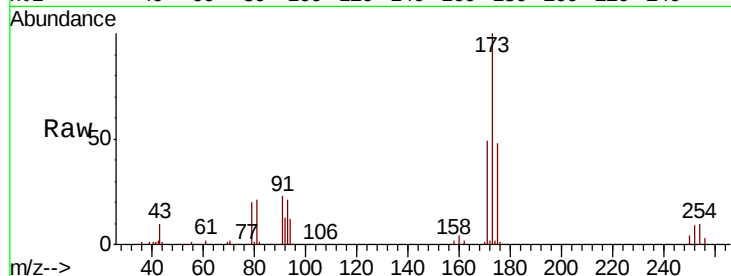
254 9.6 7.8 11.8

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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

12.11

150000

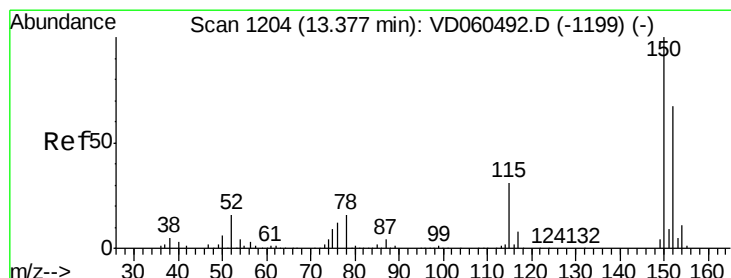
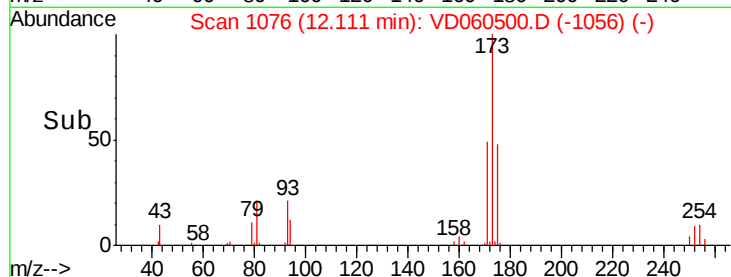
100000

50000

0

12.10 12.20

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

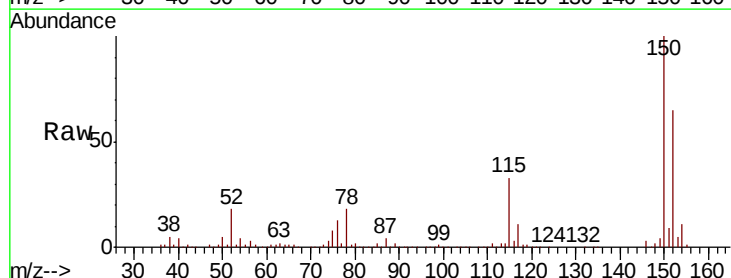
Tgt Ion:152 Resp: 915063

Ion Ratio Lower Upper

152 100

115 50.6 24.6 74.0

150 154.2 0.0 309.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

13.37

1500000

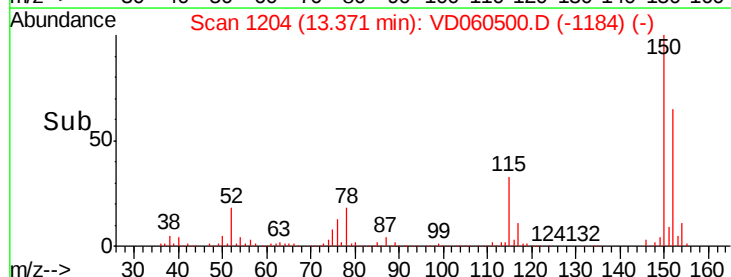
1000000

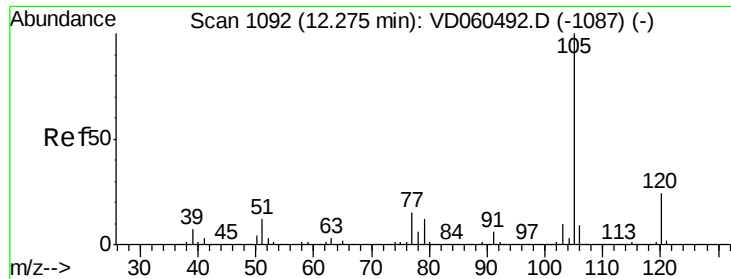
500000

0

13.30 13.40 13.50

Time-->





#73

Isopropylbenzene

Concen: 22.229 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:105 Resp: 1439406

Ion Ratio Lower Upper

105 100

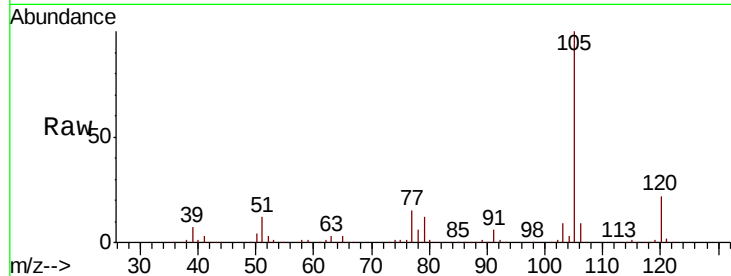
120 22.3

11.9 35.9

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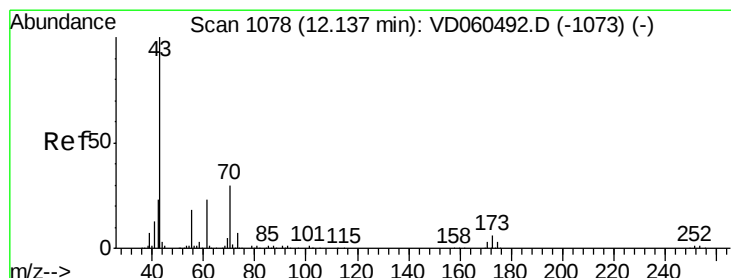
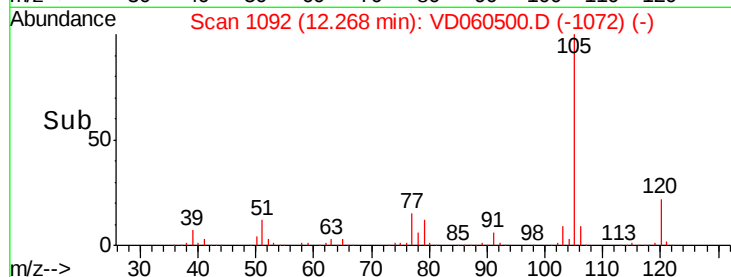
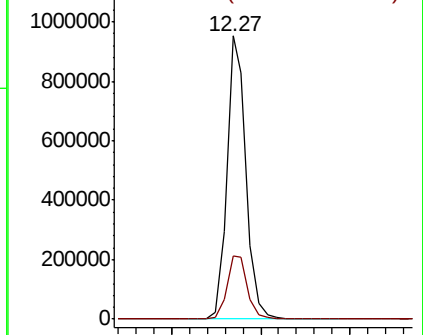
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.766 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion: 43 Resp: 324977

Ion Ratio Lower Upper

43 100

70 27.7

23.8 35.8

55 17.2

14.2 21.2

61 23.8

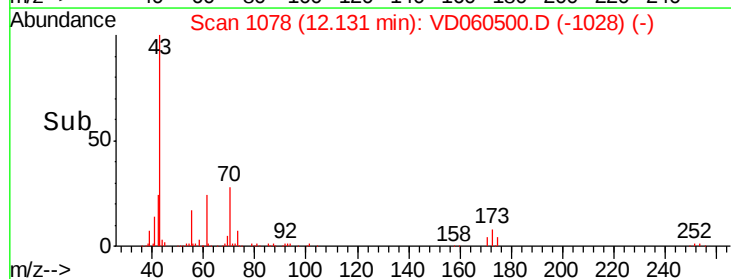
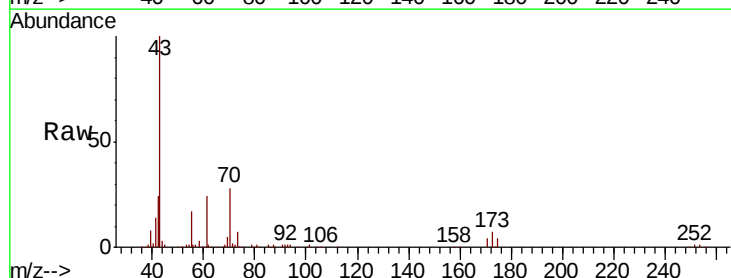
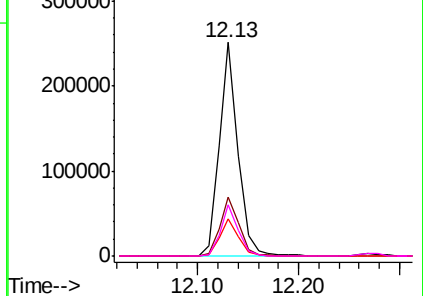
18.1 27.1

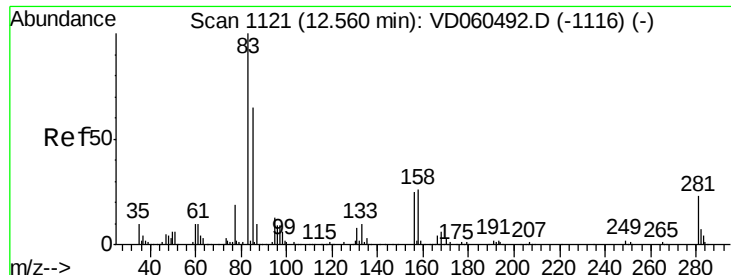
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.801 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 83 Resp: 215630

Ion Ratio Lower Upper

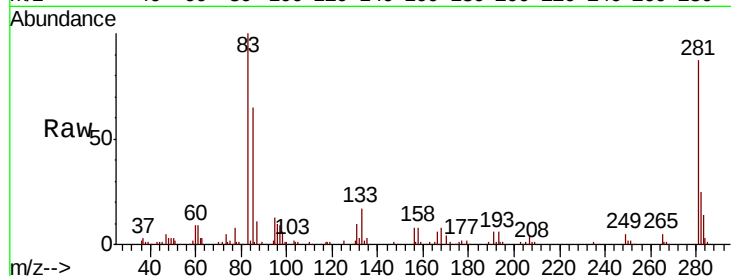
83 100

131 10.1 3.8 11.4

85 64.9 32.3 96.9

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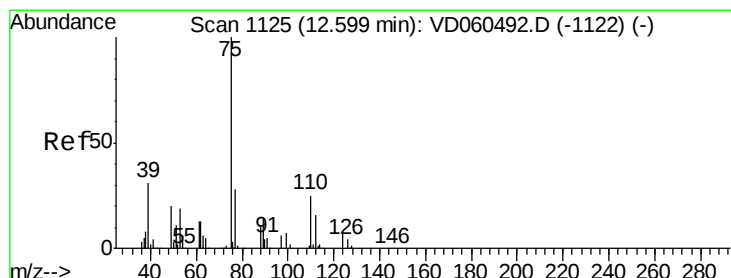
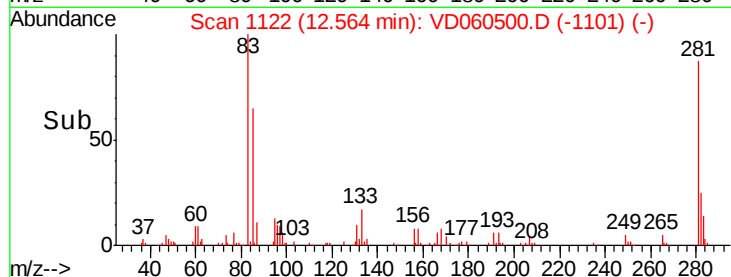
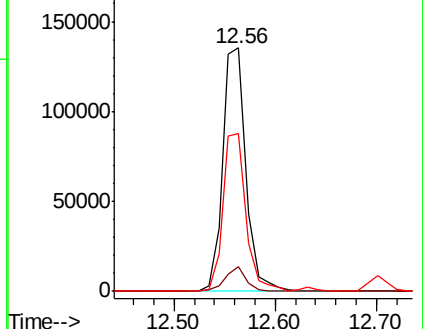
MMDadoda
12/7/2018 5:03:28 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.631 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060500.D

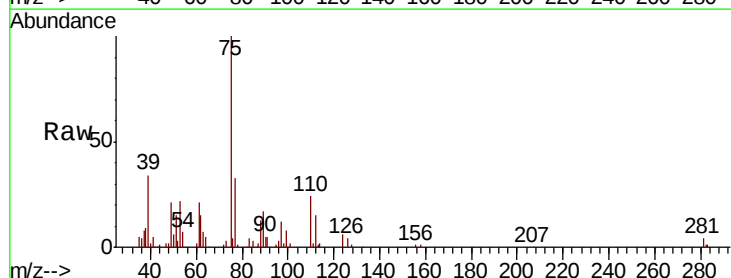
Acq: 6 Dec 2018 12:18

Tgt Ion: 75 Resp: 213902

Ion Ratio Lower Upper

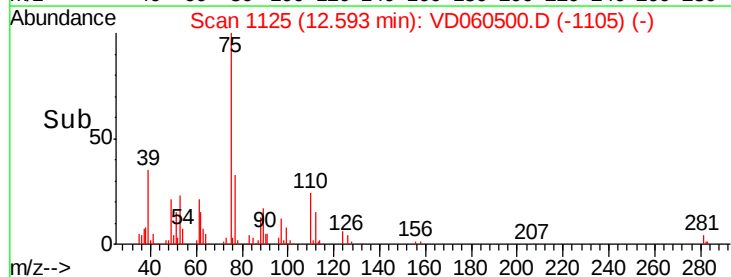
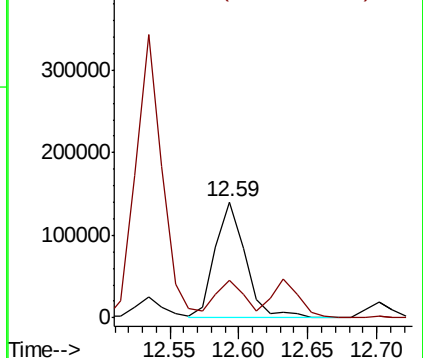
75 100

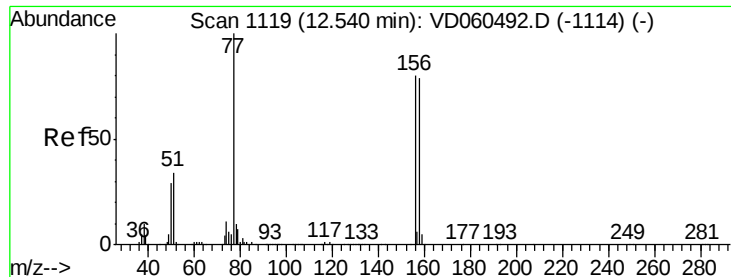
77 32.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





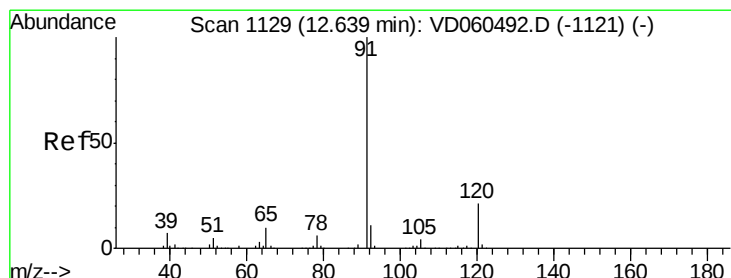
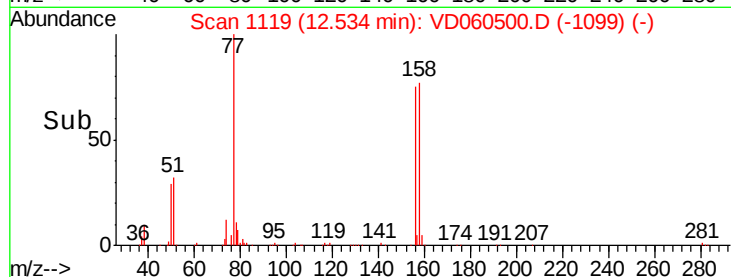
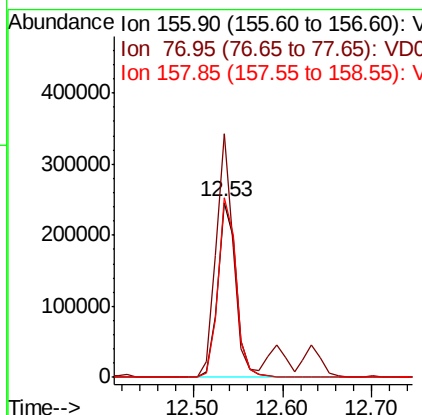
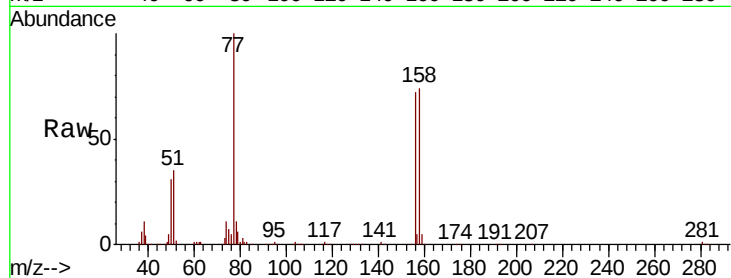
#77
Bromobenzene
Concen: 21.037 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.3	62.5	187.6
158	102.8	49.4	148.2

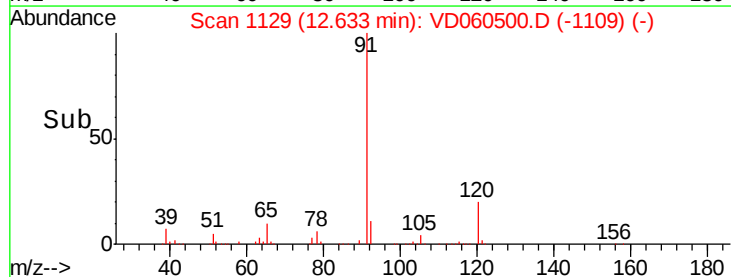
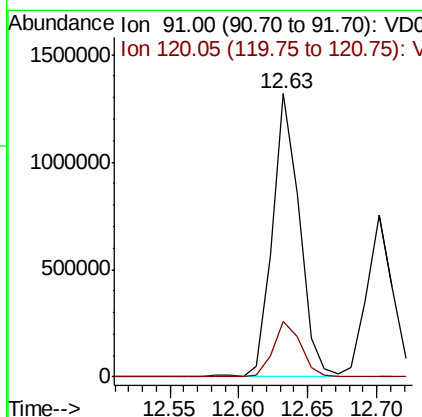
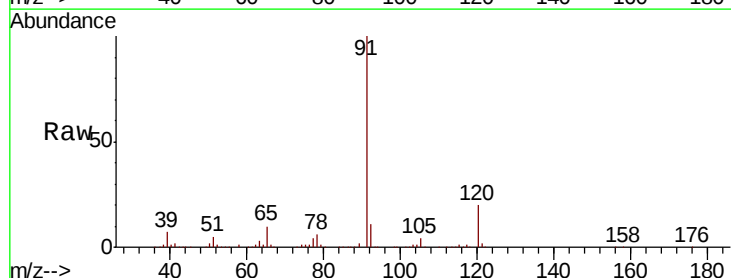
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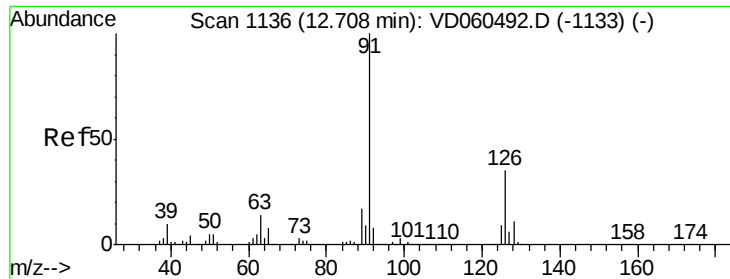
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#78
n-propylbenzene
Concen: 21.829 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.7	10.4	31.1





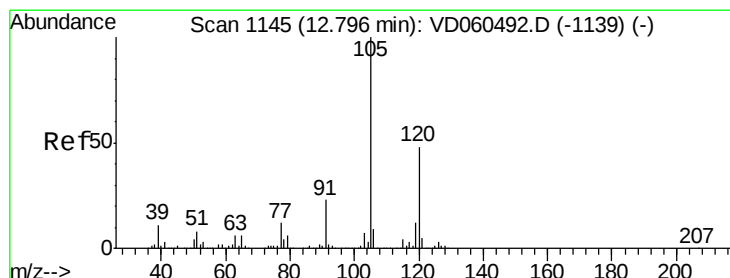
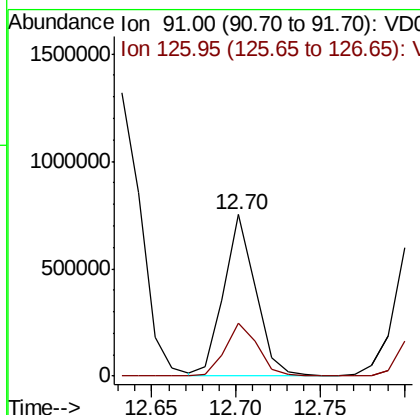
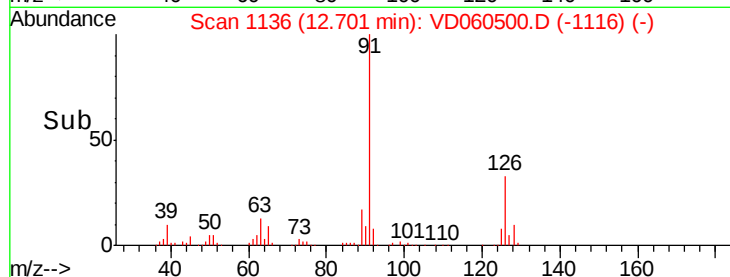
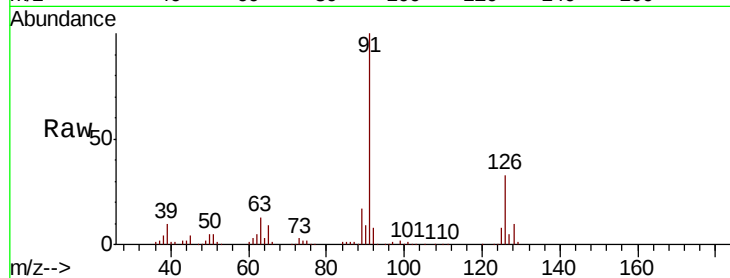
#79
 2-Chlorotoluene
 Concen: 22.313 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 91 Resp: 991081
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.3 52.0

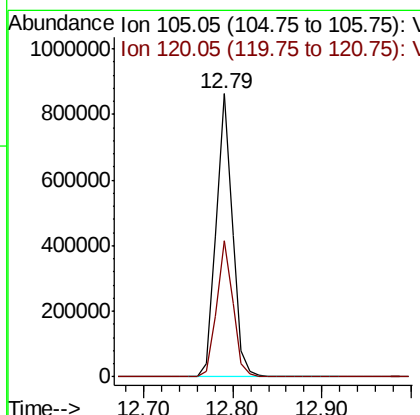
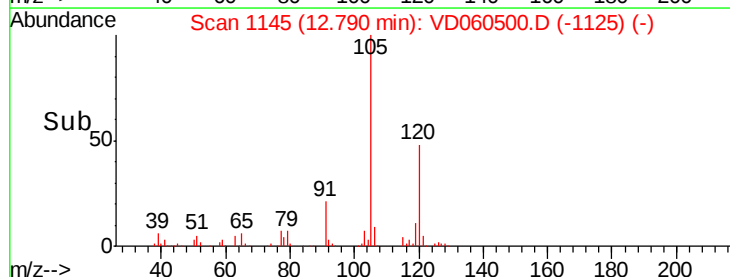
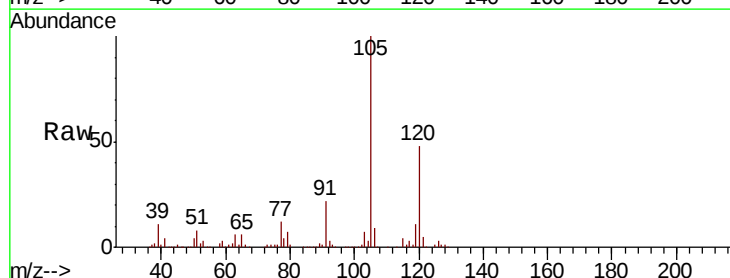
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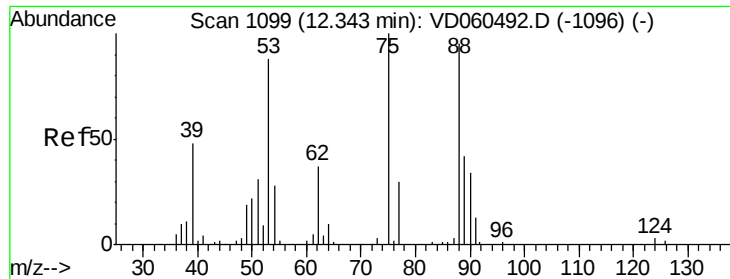
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.280 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion: 105 Resp: 1102375
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.2 72.6





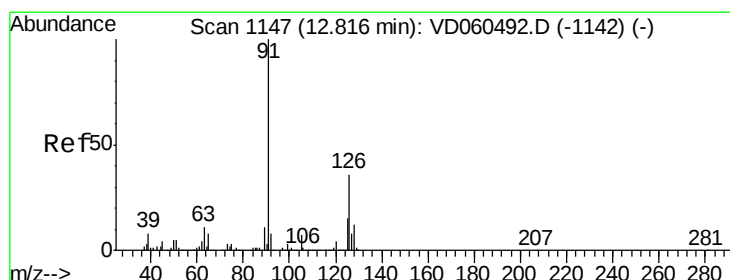
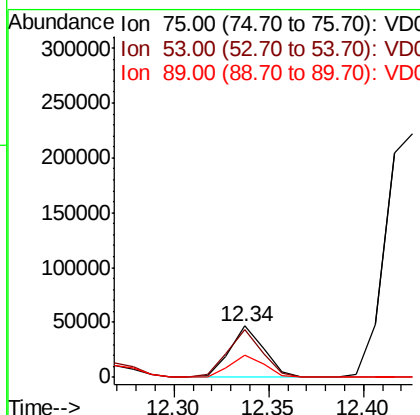
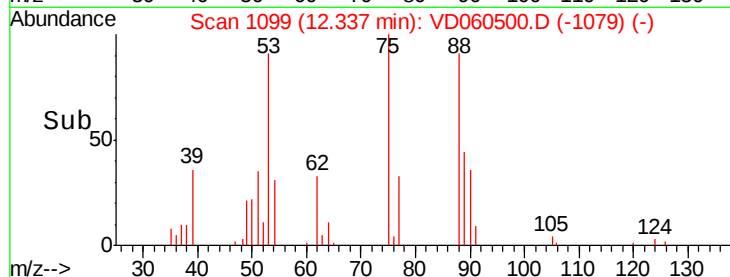
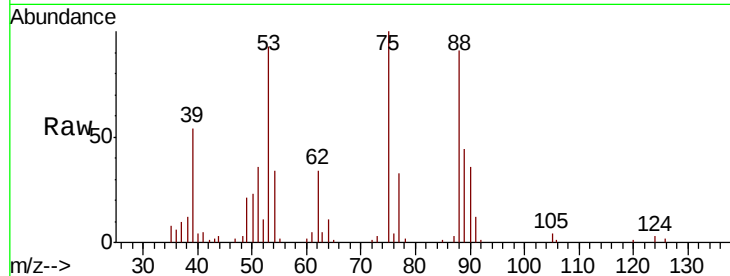
#81
trans-1,4-Dichloro-2-butene
Concen: 20.494 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 75 Resp: 59263
Ion Ratio Lower Upper
75 100
53 93.5 70.5 105.7
89 43.5 33.6 50.4

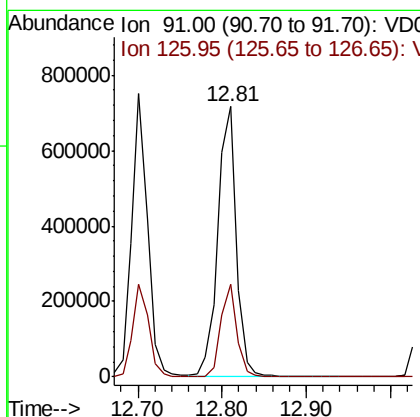
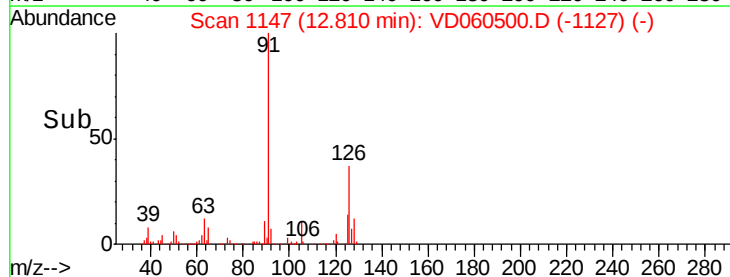
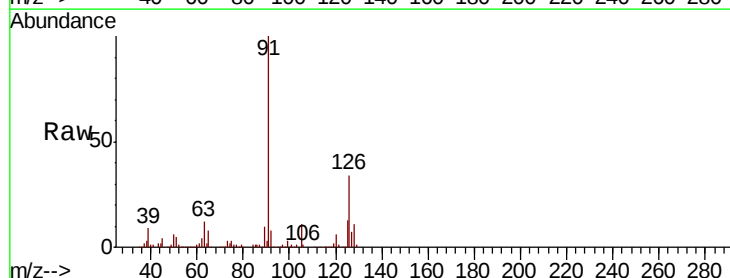
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#82
4-Chlorotoluene
Concen: 21.876 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 91 Resp: 1091343
Ion Ratio Lower Upper
91 100
126 34.1 17.8 53.4





#83

tert-Butylbenzene

Concen: 22.867 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:119 Resp: 1268602

Ion Ratio Lower Upper

119 100

91 66.9 33.1 99.2

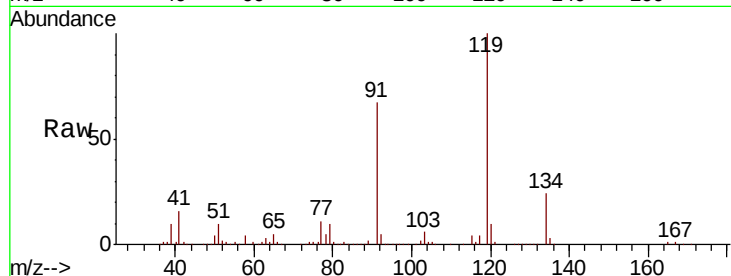
134 24.3 12.0 36.0

Manual Integrations

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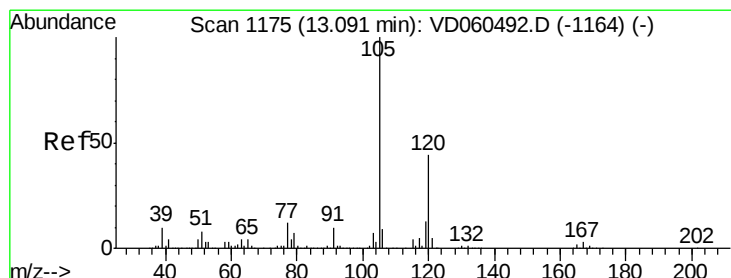
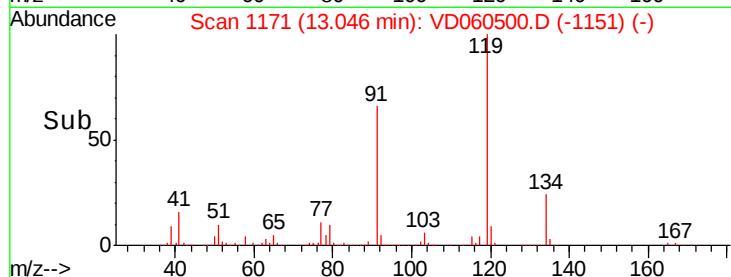
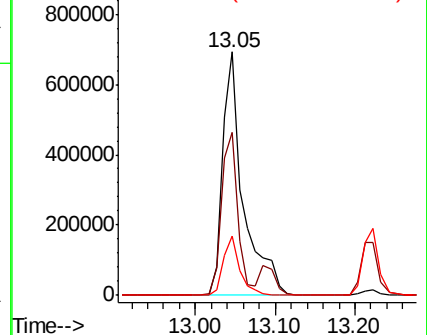
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.567 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060500.D

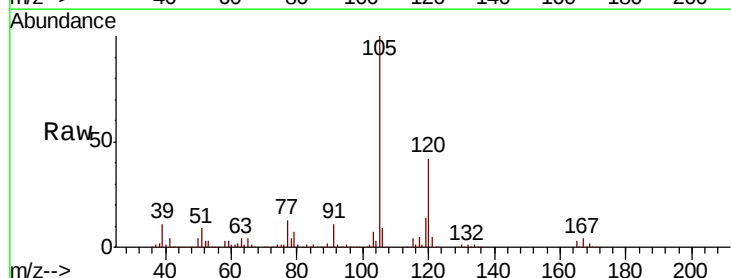
Acq: 6 Dec 2018 12:18

Tgt Ion:105 Resp: 1156159

Ion Ratio Lower Upper

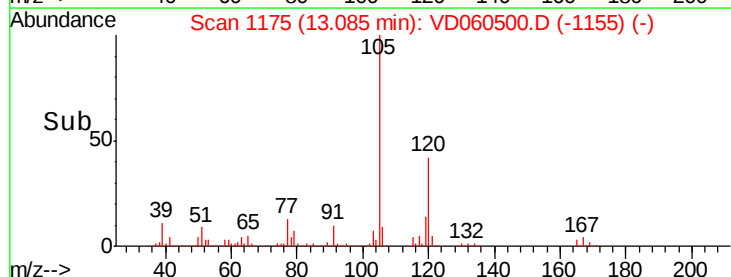
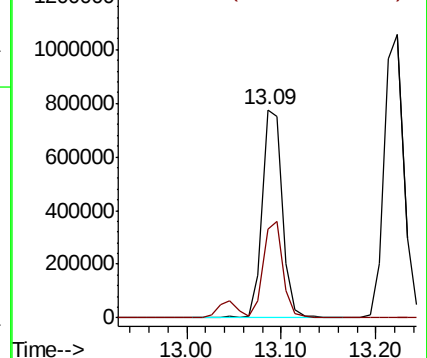
105 100

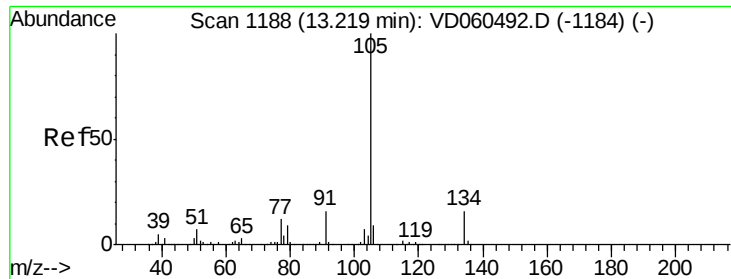
120 42.4 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





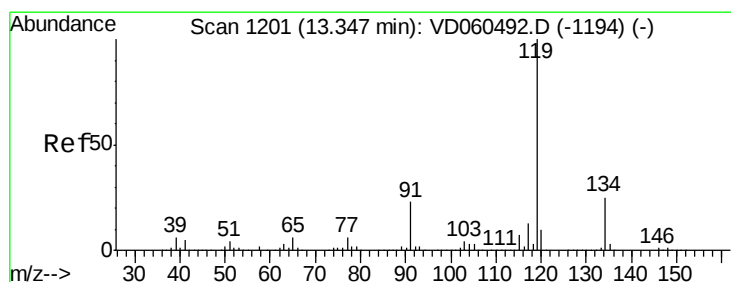
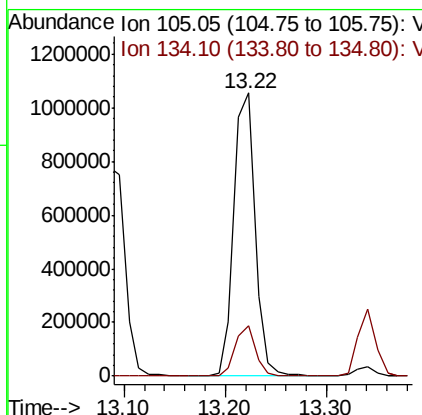
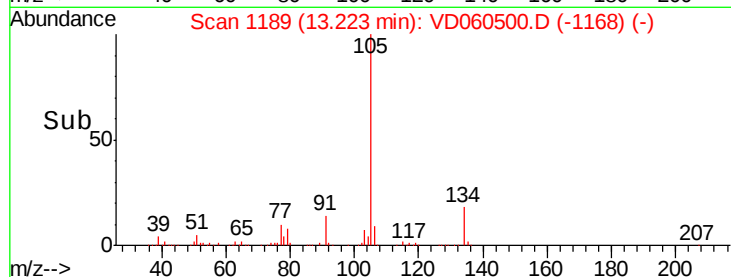
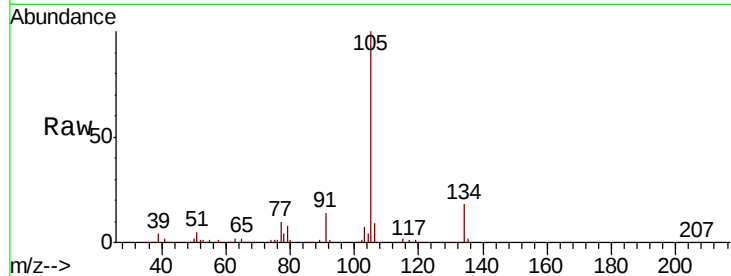
#85
 sec-Butylbenzene
 Concen: 22.178 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion:105 Resp: 1533532
 Ion Ratio Lower Upper
 105 100
 134 18.0 7.9 23.7

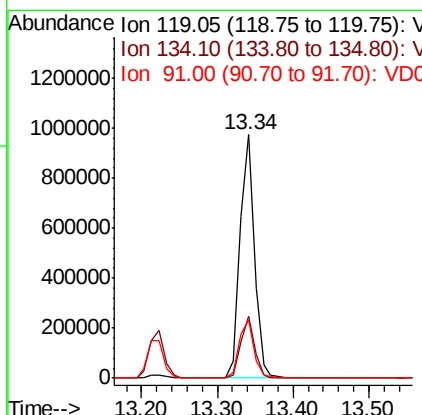
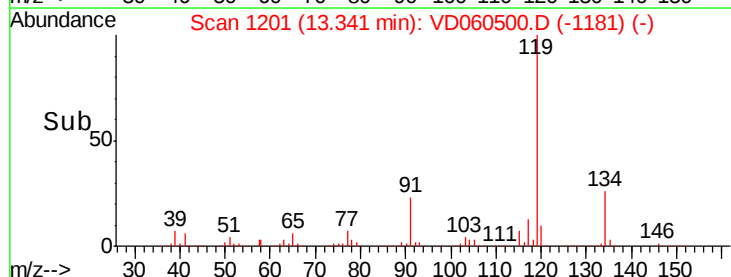
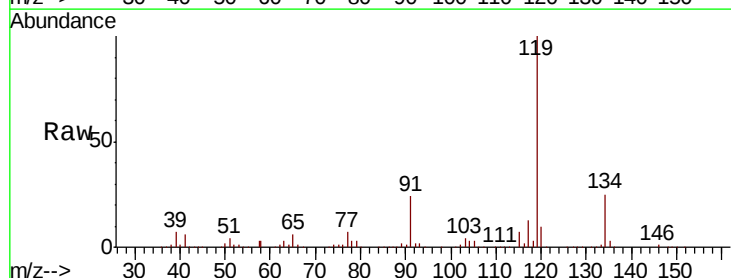
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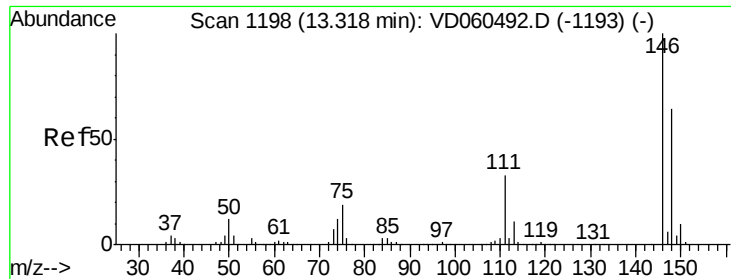
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#86
 p-Isopropyltoluene
 Concen: 22.951 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion:119 Resp: 1258000
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 23.6 11.5 34.4





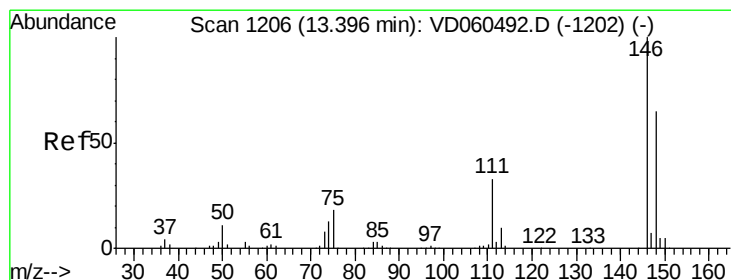
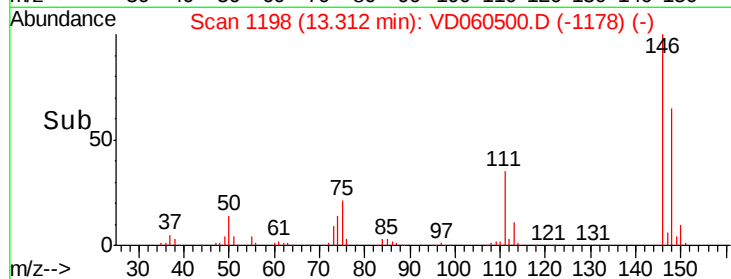
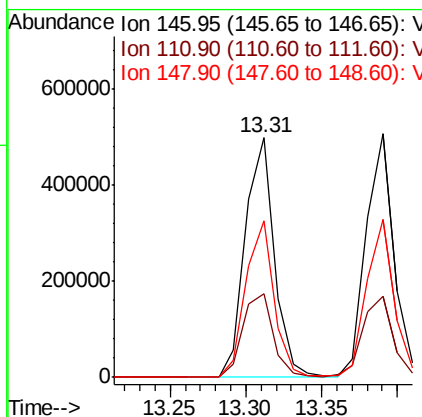
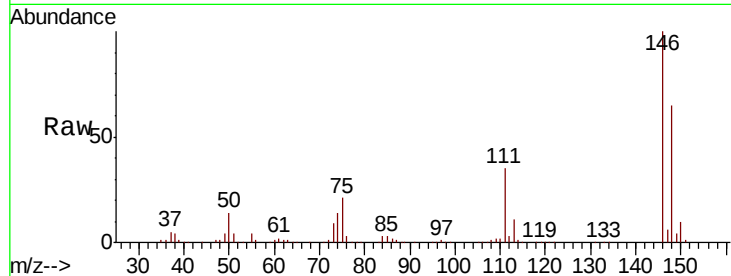
#87
 1,3-Dichlorobenzene
 Concen: 21.758 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	16.5	49.5
148	65.2	32.3	96.8

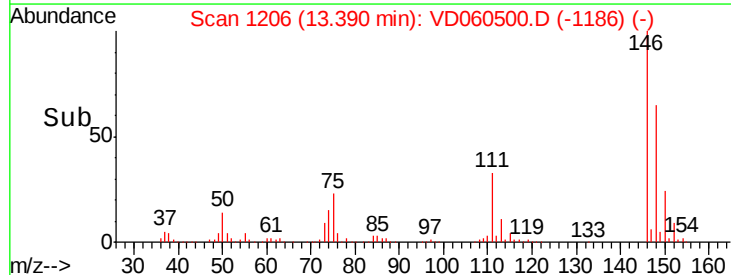
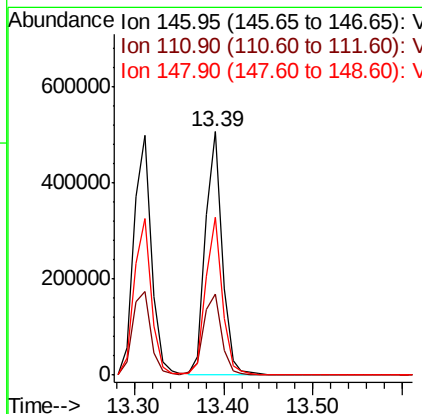
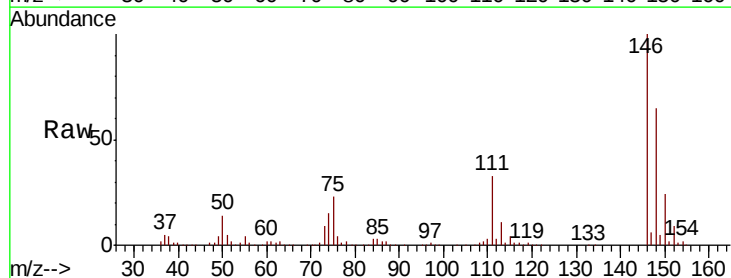
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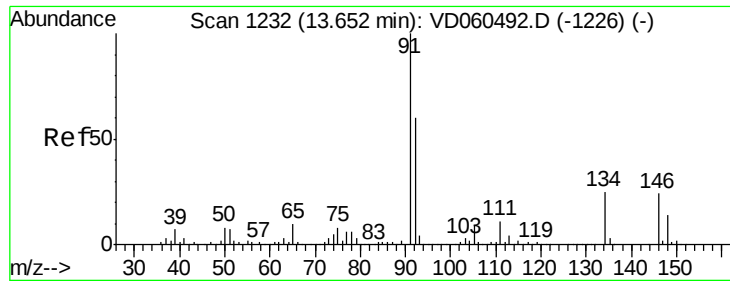
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#88
 1,4-Dichlorobenzene
 Concen: 21.815 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.2	16.4	49.1
148	64.7	32.6	98.0





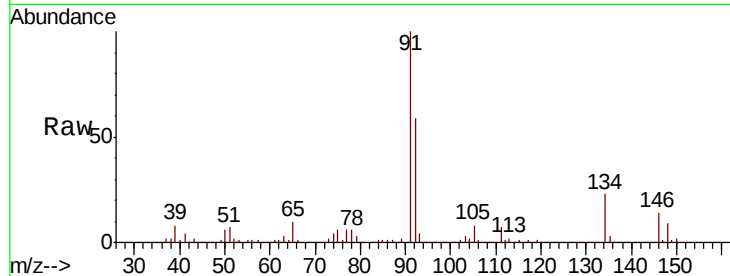
#89
n-Butylbenzene
Concen: 20.212 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

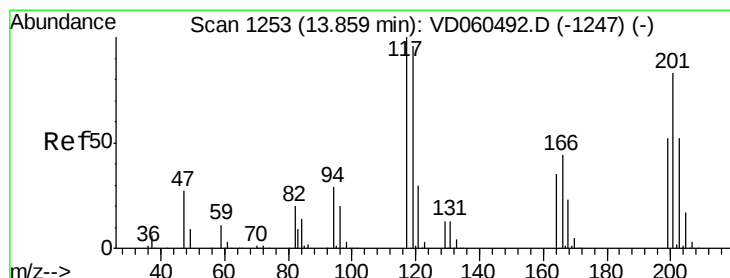
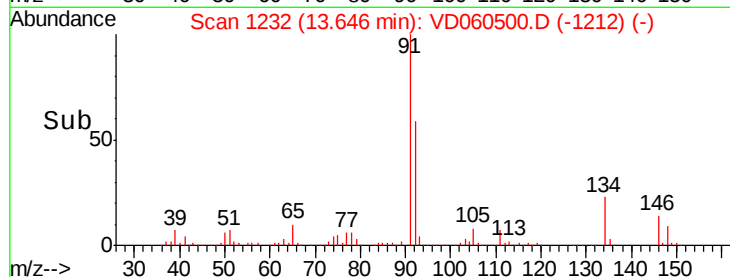
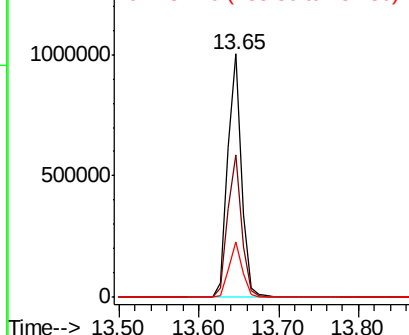
Tot Ion: 91 Resp: 1232854
Ion Ratio Lower Upper
91 100
92 58.7 30.0 90.1
134 23.0 12.5 37.5

Manual Integrations
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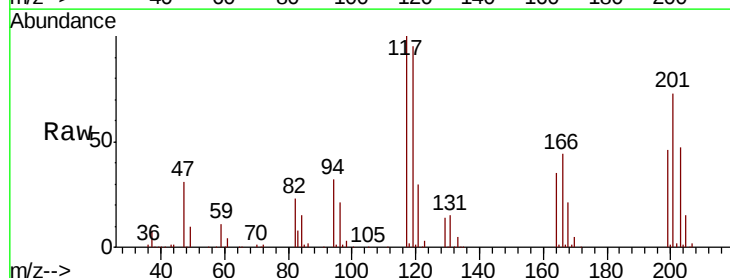


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

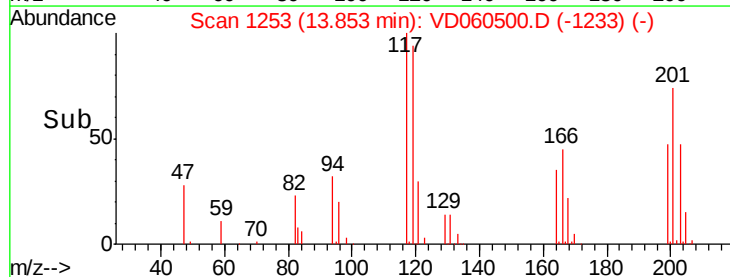
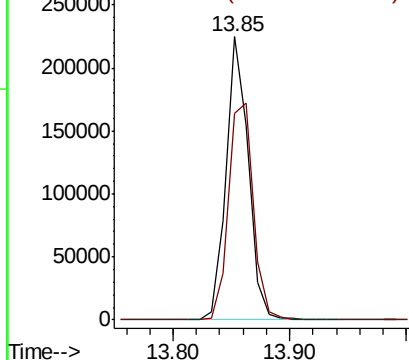


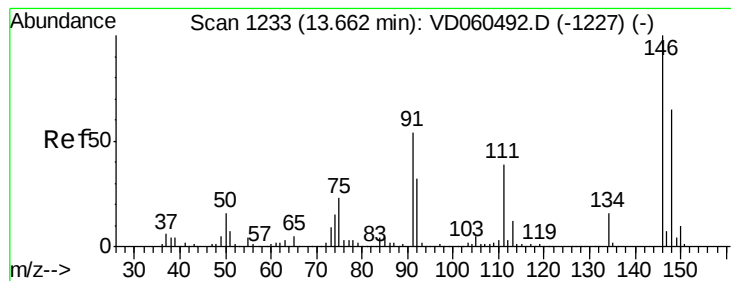
#90
Hexachloroethane
Concen: 21.609 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion: 117 Resp: 296971
Ion Ratio Lower Upper
117 100
201 73.0 41.3 123.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.882 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Instrument :

MSVOA_D

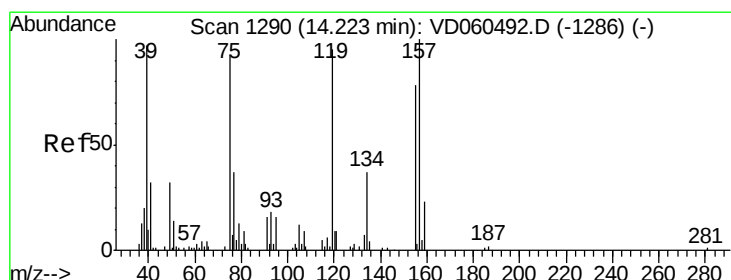
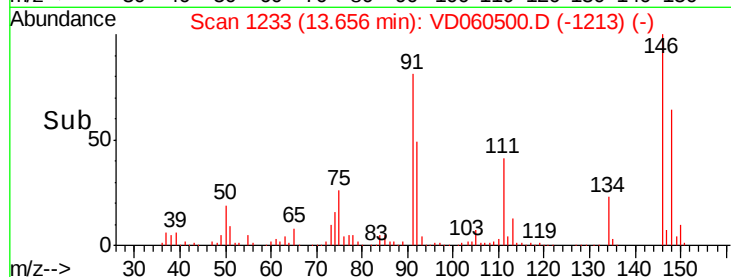
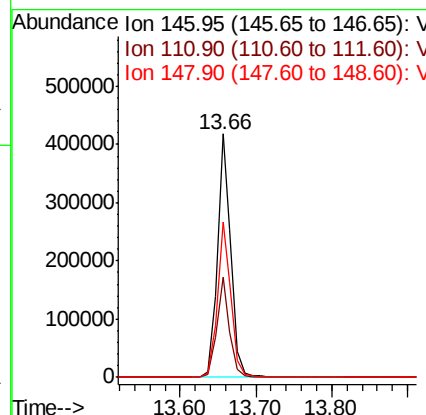
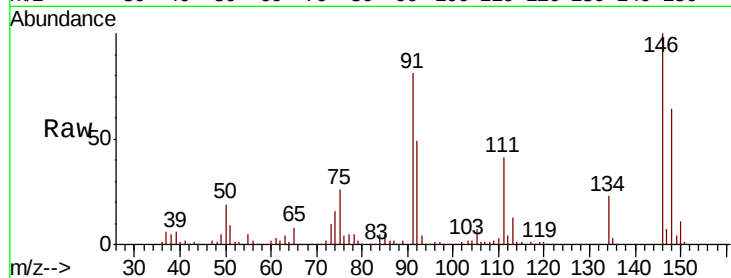
ClientSampleId :

VD1206SBS01

Tot Ion:	146	Resp:	525917
Ion Ratio	Lower	Upper	
146	100		
111	41.0	19.3	57.8
148	63.7	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.527 ug/l

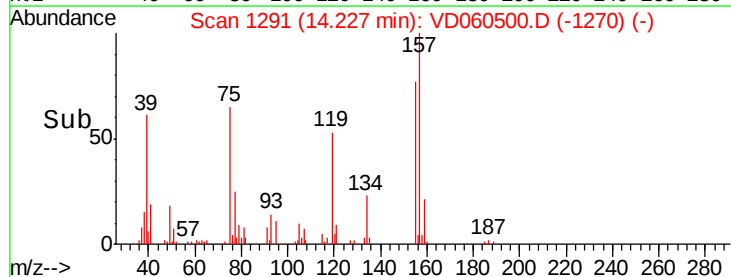
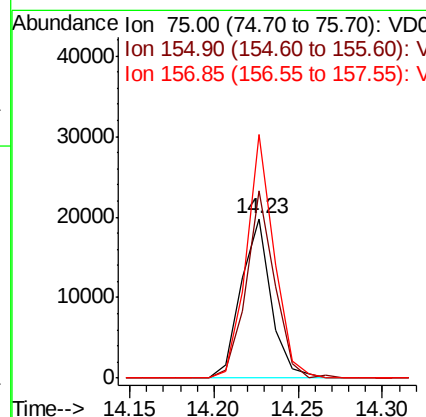
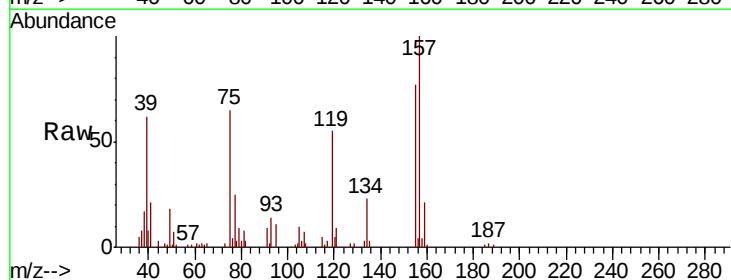
RT: 14.23 min Scan# 1291

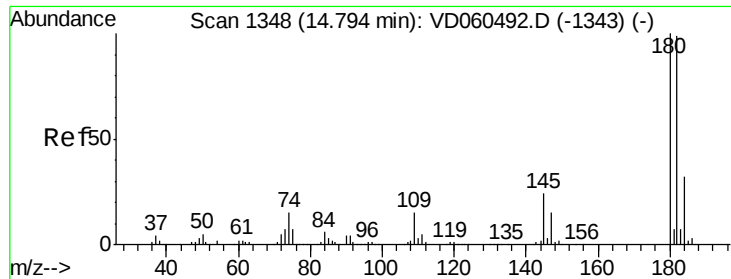
Delta R.T. 0.00 min

Lab File: VD060500.D

Acq: 6 Dec 2018 12:18

Tgt Ion:	75	Resp:	24528
Ion Ratio	Lower	Upper	
75	100		
155	117.7	41.6	124.9
157	152.8	53.6	160.8





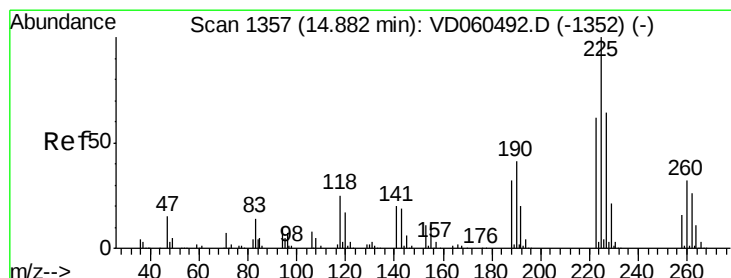
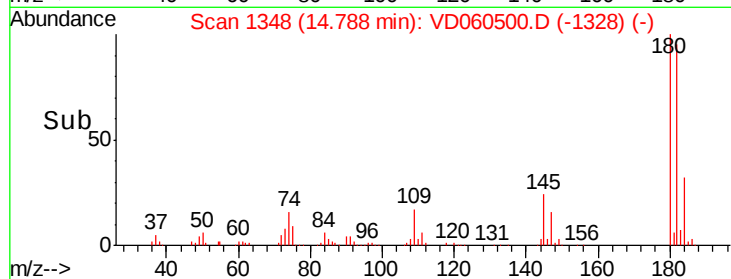
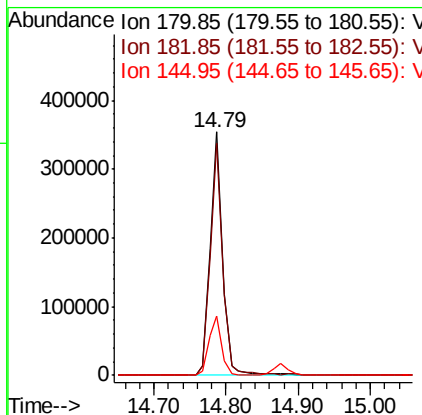
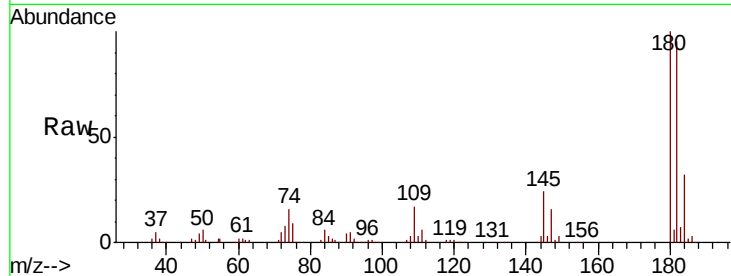
#93
 1,2,4-Trichlorobenzene
 Concen: 21.438 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	422065		
182	95.1	49.4	148.0	
145	24.2	11.9	35.9	

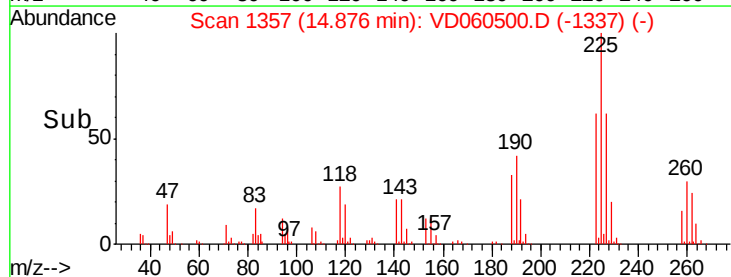
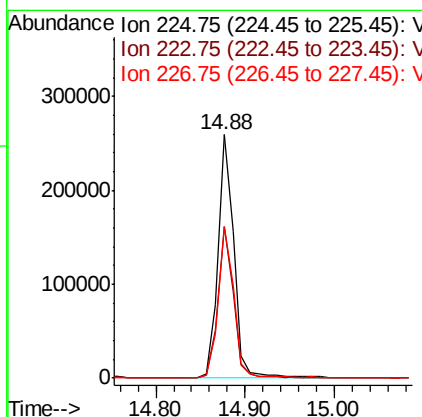
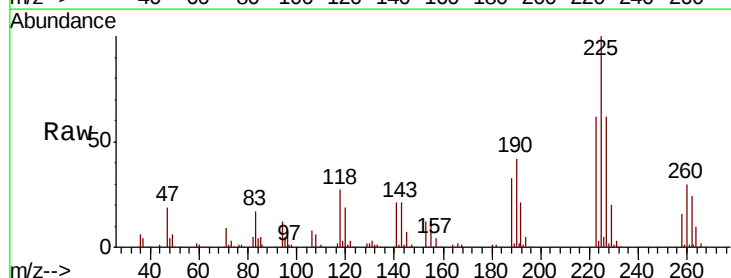
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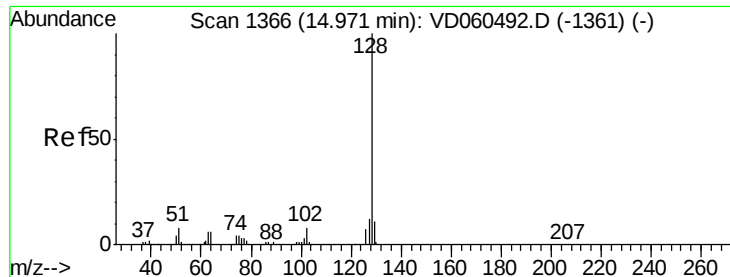
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#94
 Hexachlorobutadiene
 Concen: 22.218 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060500.D
 Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322732		
223	62.4	31.2	93.6	
227	62.2	32.0	96.0	





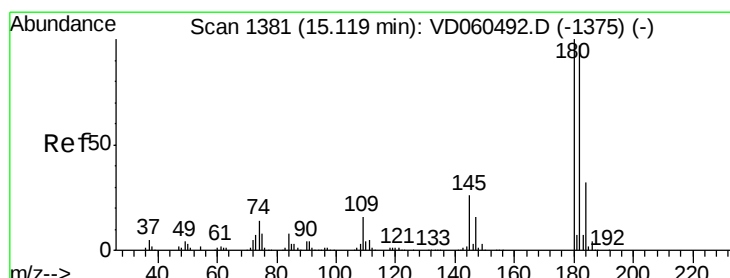
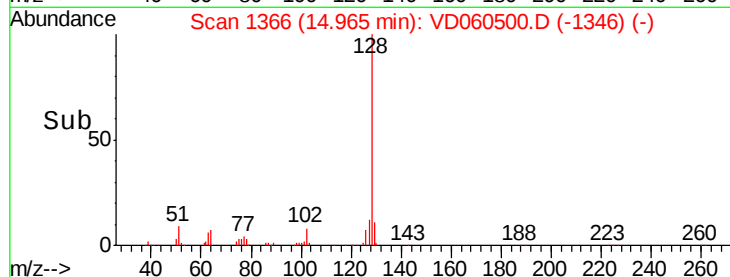
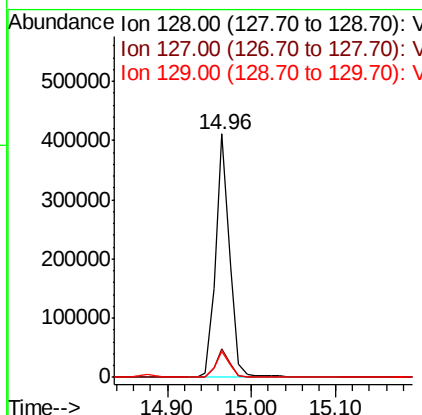
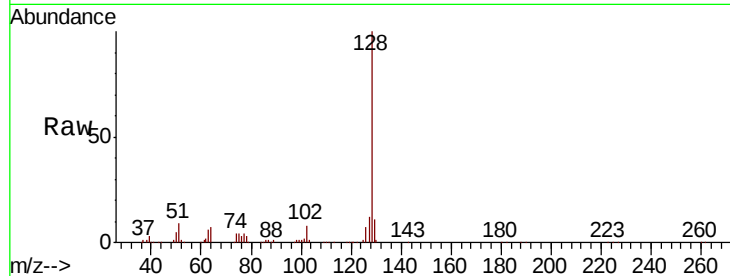
#95
Naphthalene
Concen: 20.195 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.8	14.8
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.995 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060500.D
Acq: 6 Dec 2018 12:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.5	145.5
145	26.9	12.9	38.7

