

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120618\
 Data File : VD060503.D
 Acq On : 6 Dec 2018 14:11
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 5:03:35 PM

Quant Time: Dec 07 03:58:18 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	6.40	168	1610995	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	2214494	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1702626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	866021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	574698	50.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	6.32	113	838093	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	9.45	98	2432195	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.43	95	832840	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	420459	24.009	ug/l	95
3) Chloromethane	1.77	50	368681	22.274	ug/l	98
4) Vinyl Chloride	1.87	62	290727	22.008	ug/l	99
5) Bromomethane	2.16	94	51454	15.569	ug/l	98
6) Chloroethane	2.27	64	73021	16.052	ug/l	97
7) Trichlorofluoromethane	2.52	101	305174	20.007	ug/l	97
8) Diethyl Ether	2.83	74	53972	20.485	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.10	101	204537	20.667	ug/l	98
10) Methyl Iodide	3.25	142	227917	19.701	ug/l	98
11) Tert butyl alcohol	3.98	59	41980	90.492	ug/l #	89
12) 1,1-Dichloroethene	3.08	96	167875	20.848	ug/l	99
13) Acrolein	2.99	56	51797	102.183	ug/l	94
14) Allyl chloride	3.54	41	318384	20.840	ug/l	98
15) Acrylonitrile	4.09	53	268128	101.791	ug/l	97
16) Acetone	3.17	43	178943	97.766	ug/l	100
17) Carbon Disulfide	3.32	76	549085	20.993	ug/l	99
18) Methyl Acetate	3.57	43	86711	19.933	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	444328	19.898	ug/l	98
20) Methylene Chloride	3.73	84	386059	20.316	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	355268	20.283	ug/l	96
22) Diisopropyl ether	4.86	45	1100826	20.069	ug/l	99
23) Vinyl Acetate	4.81	43	2716987	99.974	ug/l	100
24) 1,1-Dichloroethane	4.76	63	557153	19.552	ug/l	99
25) 2-Butanone	5.63	43	359318	99.783	ug/l	98
26) 2,2-Dichloropropane	5.59	77	452864	20.572	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	365149	20.503	ug/l	99
28) Bromochloromethane	5.92	49	242098	19.178	ug/l	96
29) Tetrahydrofuran	5.95	42	192758	94.528	ug/l	98
30) Chloroform	6.10	83	565936	19.713	ug/l	98
31) Cyclohexane	6.36	56	556164	20.569	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	481511	20.402	ug/l	99
36) 1,1-Dichloropropene	6.52	75	451015	20.836	ug/l	99
37) Ethyl Acetate	5.69	43	186972	19.917	ug/l	96
38) Carbon Tetrachloride	6.50	117	406295	20.907	ug/l	99

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 5:03:35 PM

Quant Time: Dec 07 03:58:18 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)
39) Methylcyclohexane	8.04	83	507867	20.581	ug/l	99
40) Benzene	6.79	78	1139714	20.602	ug/l	100
41) Methacrylonitrile	5.92	41	91647m	18.110	ug/l	
42) 1,2-Dichloroethane	6.90	62	287906	20.469	ug/l	99
43) Isopropyl Acetate	8.34	43	231599	19.985	ug/l #	99
44) Trichloroethene	7.73	130	344792	20.855	ug/l	100
45) 1,2-Dichloropropane	8.10	63	277061	20.250	ug/l	100
46) Dibromomethane	8.21	93	156261	19.767	ug/l	90
47) Bromodichloromethane	8.49	83	372158	19.841	ug/l	99
48) Methyl methacrylate	8.24	41	142598	20.797	ug/l	98
49) 1,4-Dioxane	8.22	88	26211	421.772	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	752434	104.382	ug/l	99
52) Toluene	9.54	92	714376	20.660	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	303561	19.696	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	406937	20.096	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	192534	19.995	ug/l	97
56) Ethyl methacrylate	10.02	69	178752	20.512	ug/l	99
57) 1,3-Dichloropropane	10.38	76	302643	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	544941	104.509	ug/l	100
59) 2-Hexanone	10.49	43	519240	103.053	ug/l	100
60) Dibromochloromethane	10.63	129	241444	20.055	ug/l	97
61) 1,2-Dibromoethane	10.75	107	190230	19.386	ug/l	100
64) Tetrachloroethene	10.25	164	318083	21.098	ug/l	100
65) Chlorobenzene	11.30	112	753968	20.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	246002	21.189	ug/l	99
67) Ethyl Benzene	11.42	91	1347779	21.937	ug/l	98
68) m/p-Xylenes	11.56	106	985946	43.377	ug/l	99
69) o-Xylene	11.93	106	461891	21.323	ug/l	98
70) Styrene	11.95	104	760344	21.868	ug/l	99
71) Bromoform	12.11	173	153402	19.805	ug/l	98
73) Isopropylbenzene	12.27	105	1296494	21.156	ug/l	100
74) N-amyl acetate	12.13	43	304376	20.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	193347	19.707	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	200197	20.402	ug/l	95
77) Bromobenzene	12.53	156	321057	19.931	ug/l	98
78) n-propylbenzene	12.63	91	1625121	20.978	ug/l	99
79) 2-Chlorotoluene	12.70	91	890040	21.173	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	982327	20.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	55519	20.286	ug/l	94
82) 4-Chlorotoluene	12.81	91	957977	20.290	ug/l	98
83) tert-Butylbenzene	13.05	119	1093952	20.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	1007508	20.779	ug/l	98
85) sec-Butylbenzene	13.22	105	1332816	20.367	ug/l	96
86) p-Isopropyltoluene	13.34	119	1084930	20.914	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	596591	20.455	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	588997	20.586	ug/l	99
89) n-Butylbenzene	13.65	91	1189366	20.638	ug/l	98
90) Hexachloroethane	13.85	117	259597	19.959	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	515665	21.635	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23699	19.936	ug/l	62

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Manual Integrations
APPROVED

MMDadoda
12/7/2018 5:03:35 PM

Quant Time: Dec 07 03:58:18 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)
93) 1,2,4-Trichlorobenzene	14.79	180	399084	21.419	ug/l	98
94) Hexachlorobutadiene	14.88	225	295805	21.517	ug/l	98
95) Naphthalene	14.96	128	470616	21.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	294904	19.864	ug/l	98

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

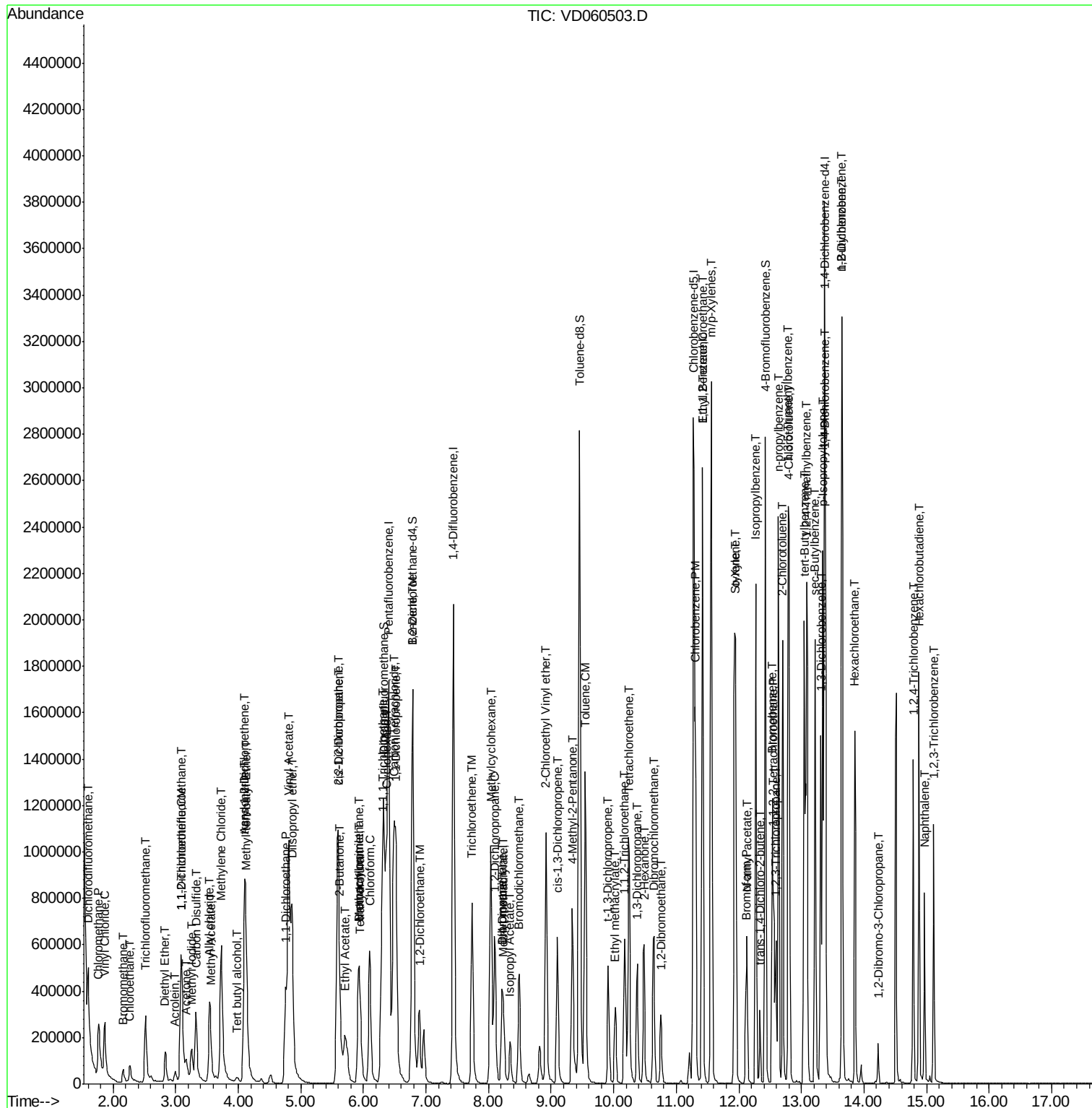
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 Data File : VD060503.D
 Acq On : 6 Dec 2018 14:11
 Operator : VA/AP
 Sample : VD1206SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

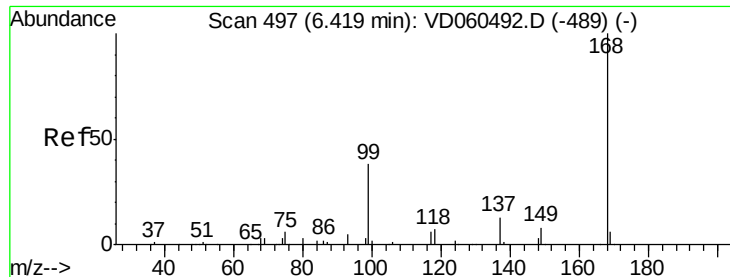
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

Manual Integrations
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MMDadoda
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS001

Tot Ion:168 Resp: 1610995

Ion Ratio Lower Upper

168 100

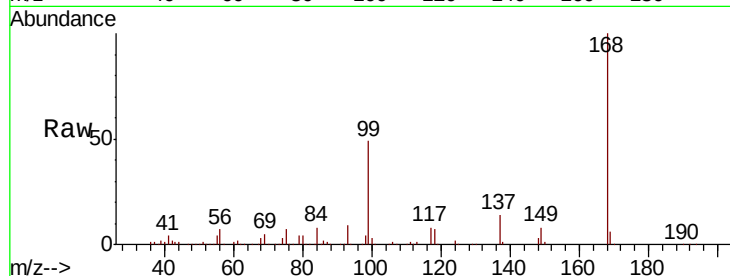
99 48.9 35.6 53.4

Manual Integrations

APPROVED

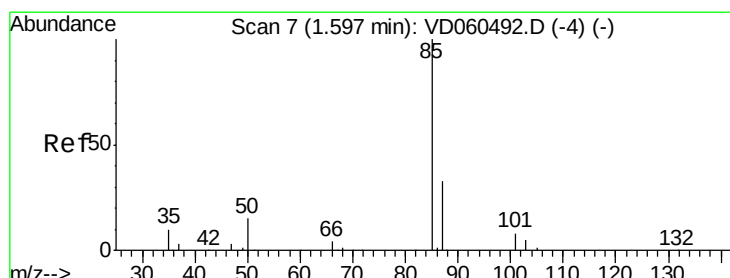
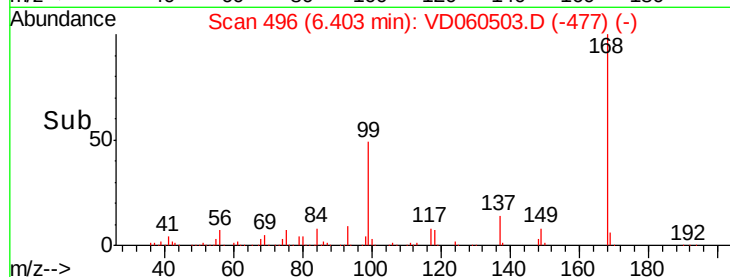
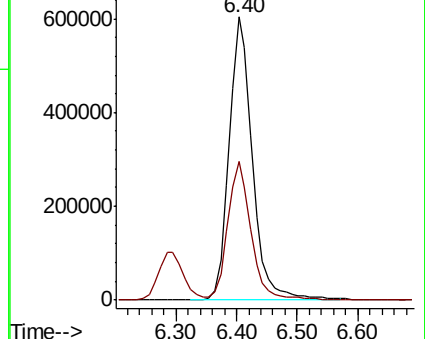
MMDadoda

12/7/2018 5:03:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.009 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060503.D

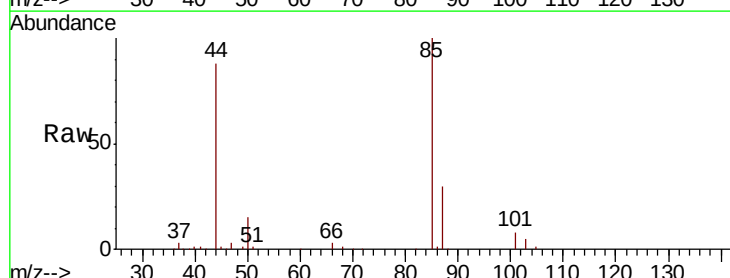
Acq: 6 Dec 2018 14:11

Tgt Ion: 85 Resp: 420459

Ion Ratio Lower Upper

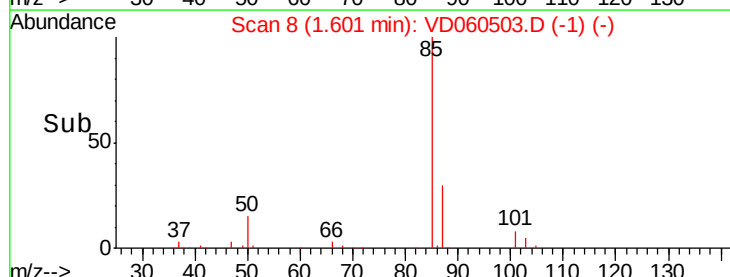
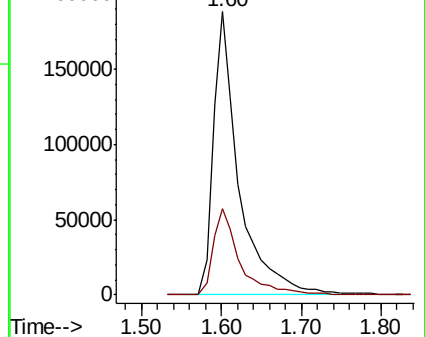
85 100

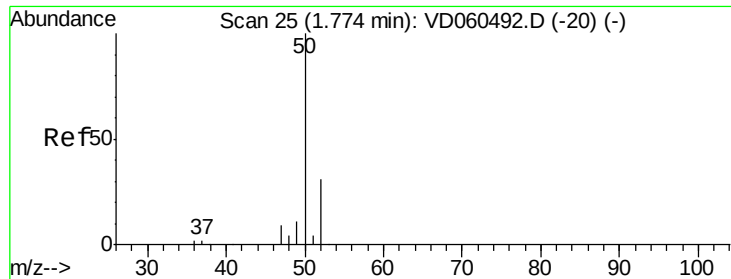
87 30.4 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.274 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 50 Resp: 368681

Ion Ratio Lower Upper

50 100

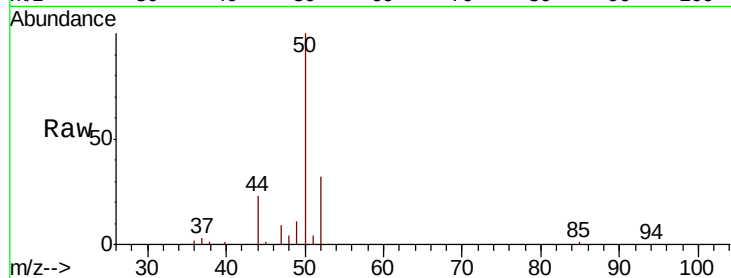
52 32.1 25.0 37.4

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

1.77

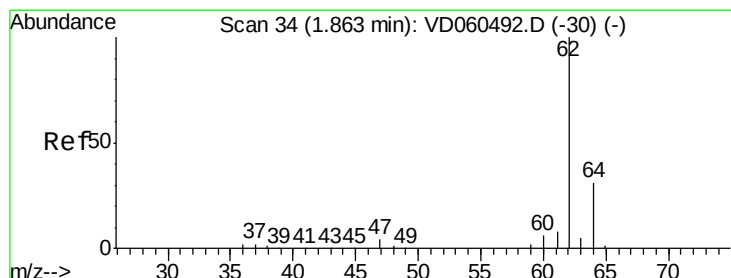
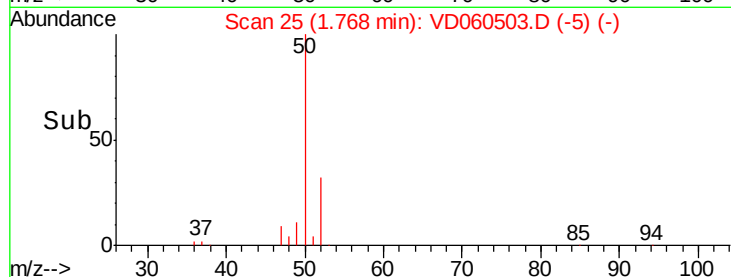
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 22.008 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060503.D

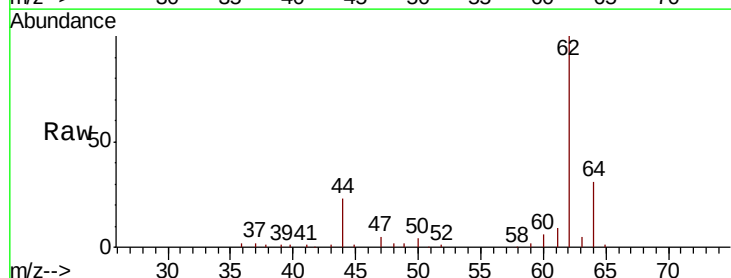
Acq: 6 Dec 2018 14:11

Tgt Ion: 62 Resp: 290727

Ion Ratio Lower Upper

62 100

64 31.5 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

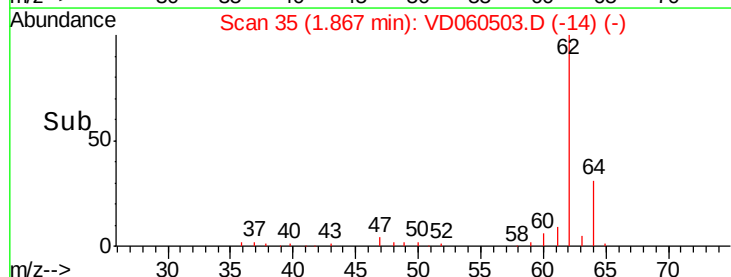
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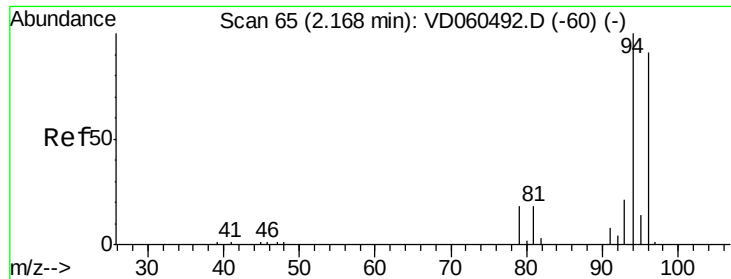
100000

50000

0

Time-->





#5

Bromomethane

Concen: 15.569 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 94 Resp: 51454

Ion Ratio Lower Upper

94 100

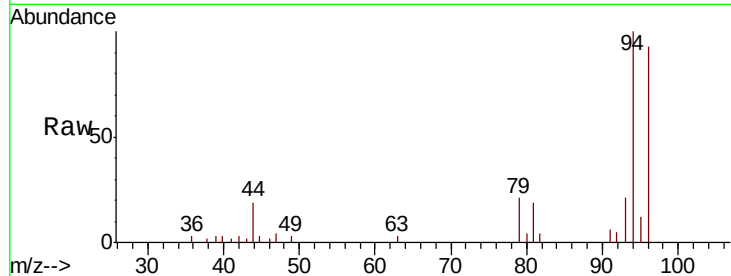
96 92.6 72.6 108.8

Manual Integrations

APPROVED

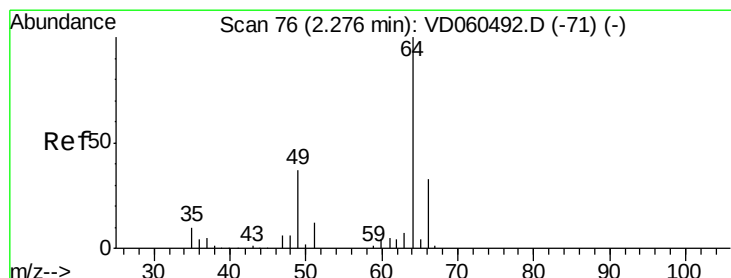
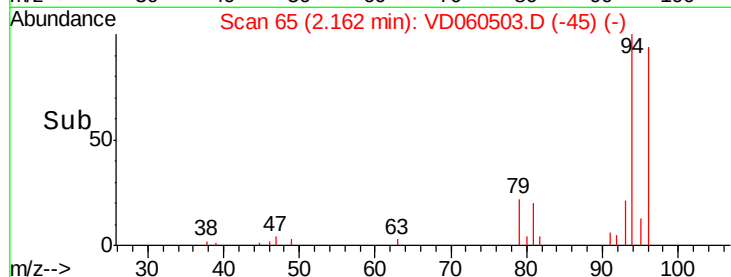
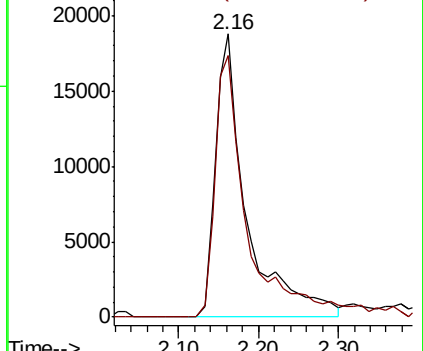
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.052 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060503.D

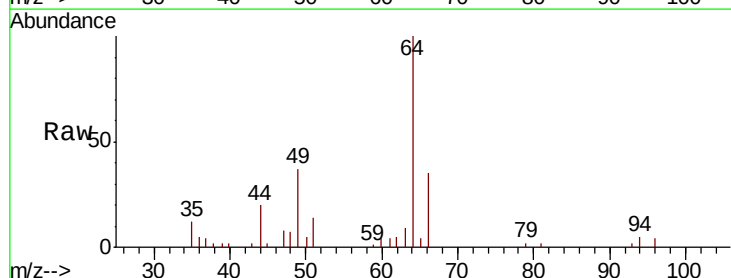
Acq: 6 Dec 2018 14:11

Tgt Ion: 64 Resp: 73021

Ion Ratio Lower Upper

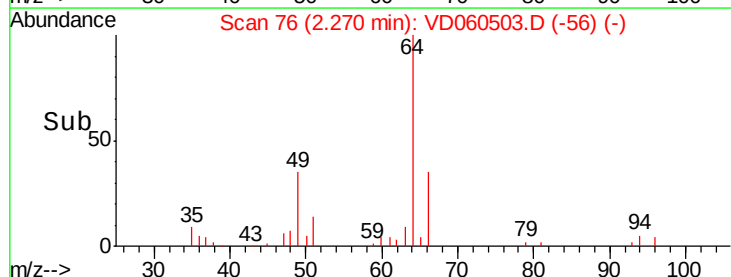
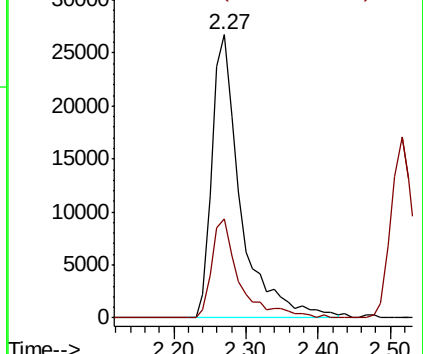
64 100

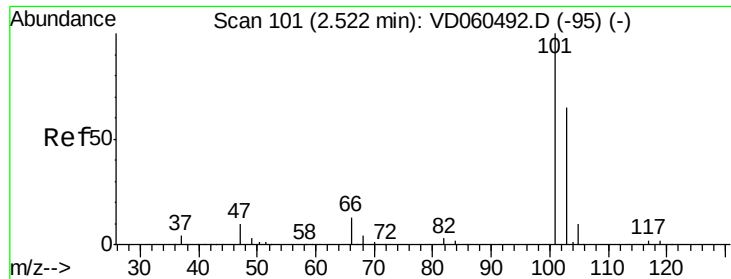
66 34.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

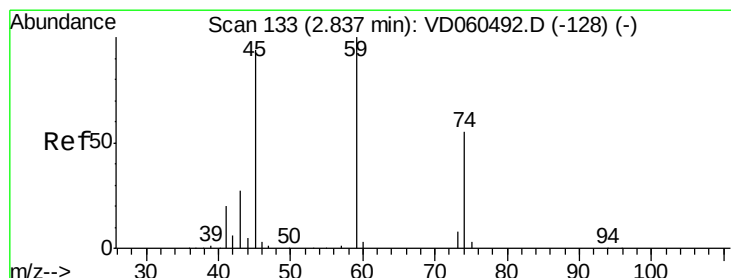
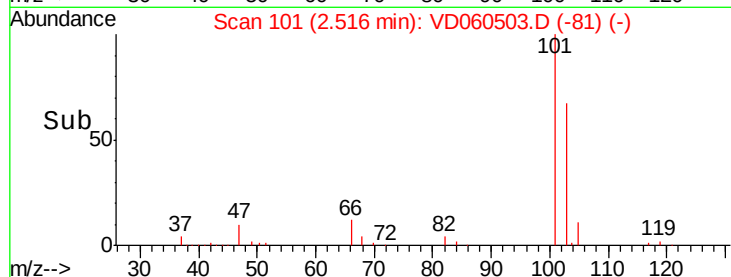
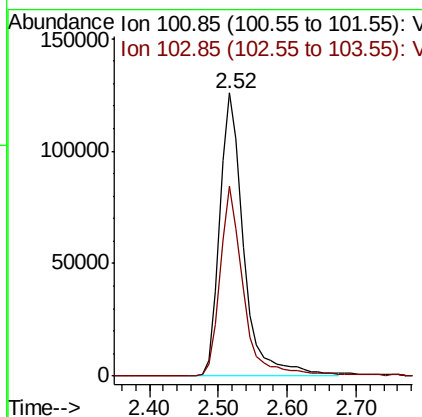
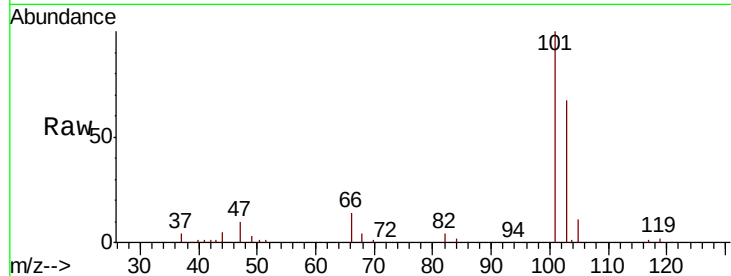
Trichlorofluoromethane
Concen: 20.007 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Tot Ion:101 Resp: 305174
Ion Ratio Lower Upper
101 100
103 66.9 51.8 77.8

Manual Integrations
APPROVED

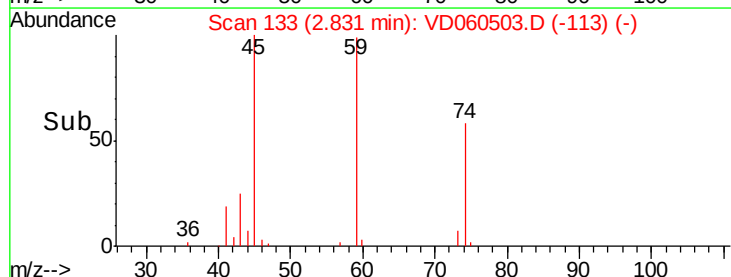
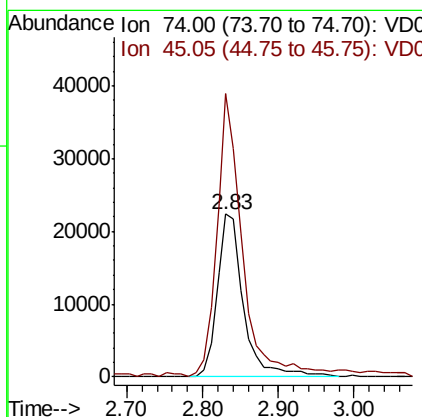
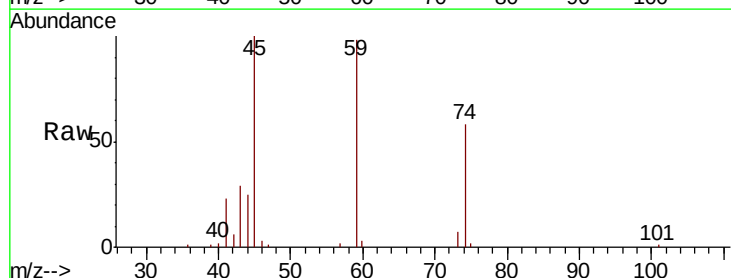
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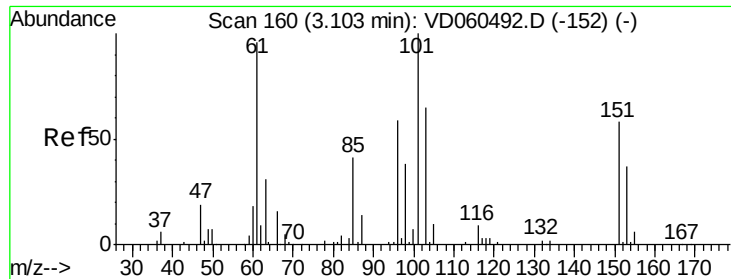


#8

Diethyl Ether
Concen: 20.485 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion: 74 Resp: 53972
Ion Ratio Lower Upper
74 100
45 173.9 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.667 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

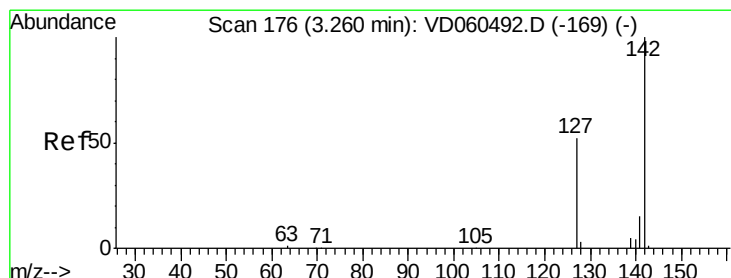
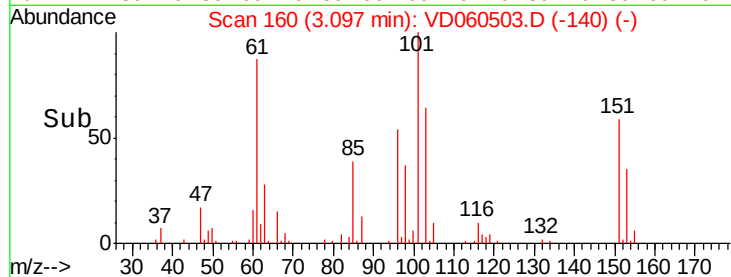
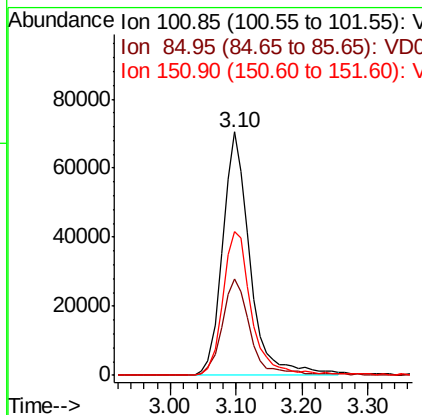
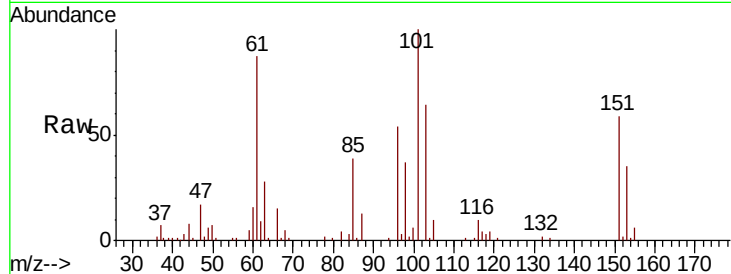
ClientSampleId :

VD1206SBS01

Tot Ion:	101	Resp:	204537
Ion Ratio	Lower	Upper	
101	100		
85	39.4	32.7	49.1
151	58.9	46.6	69.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.701 ug/l

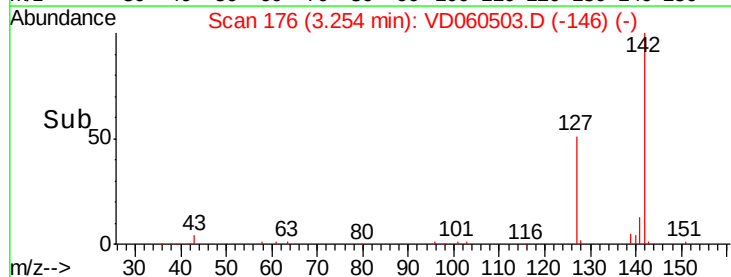
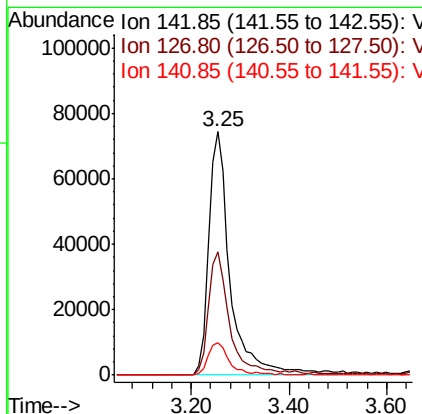
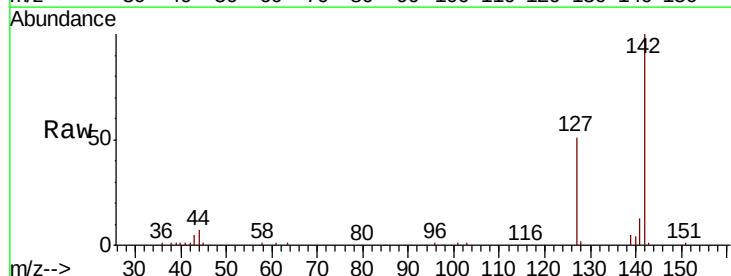
RT: 3.25 min Scan# 176

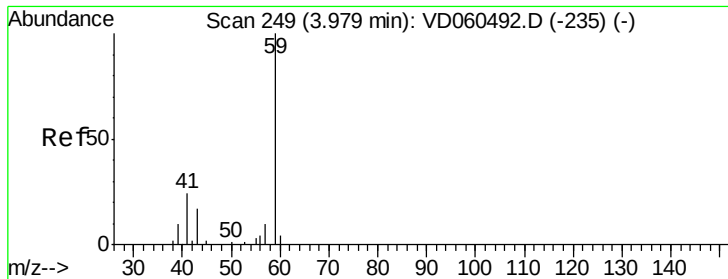
Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Tgt Ion:	142	Resp:	227917
Ion Ratio	Lower	Upper	
142	100		
127	50.9	41.2	61.8
141	13.3	11.9	17.9





#11

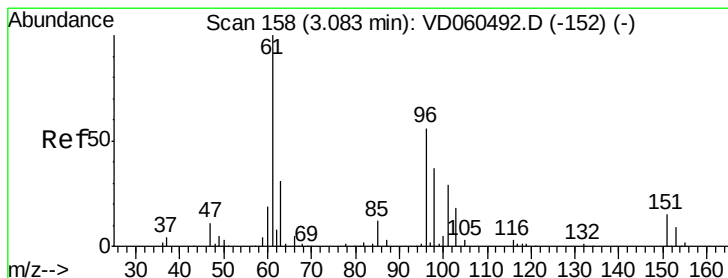
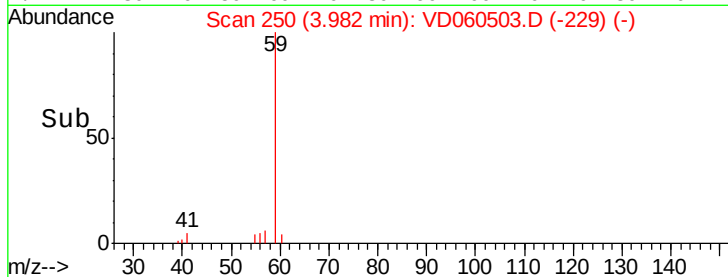
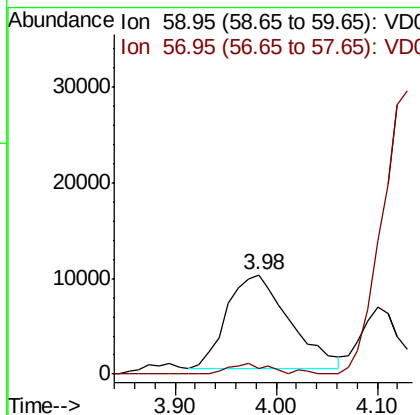
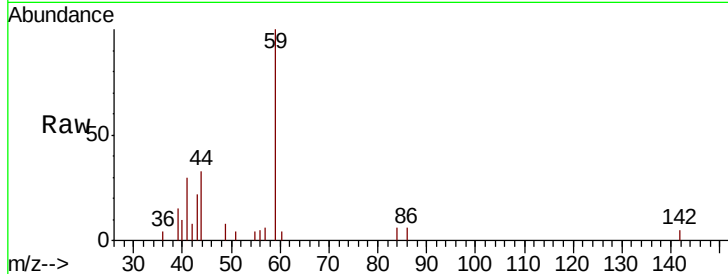
Tert butyl alcohol
 Concen: 90.492 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 59 Resp: 41980
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.1 12.1#

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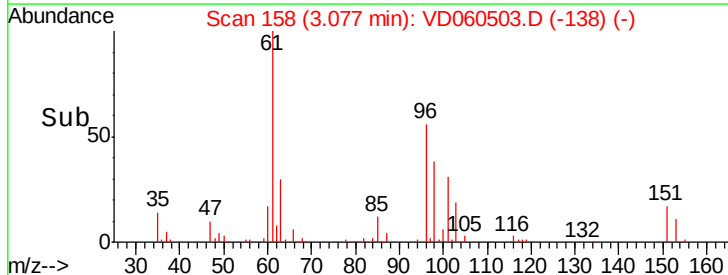
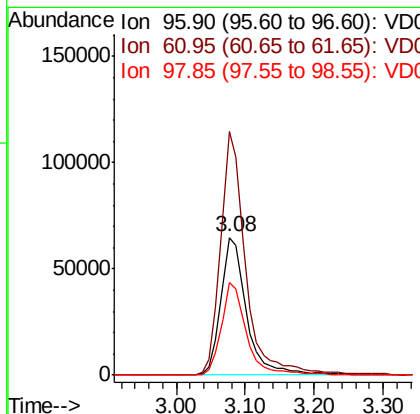
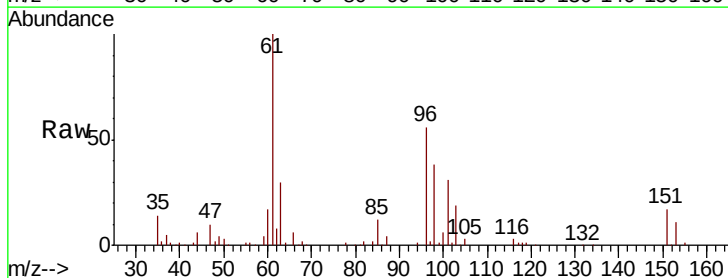
MMDadoda
 12/7/2018 5:03:35 PM

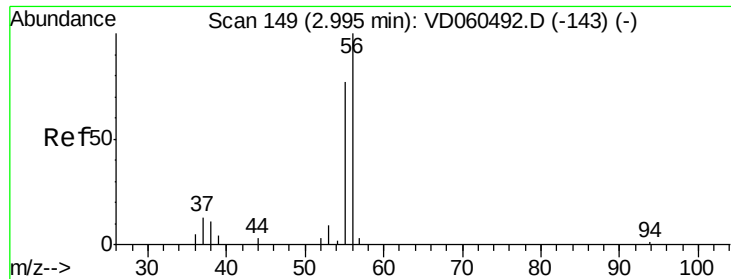


#12

1,1-Dichloroethene
 Concen: 20.848 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion: 96 Resp: 167875
 Ion Ratio Lower Upper
 96 100
 61 177.1 143.0 214.4
 98 66.9 53.4 80.0





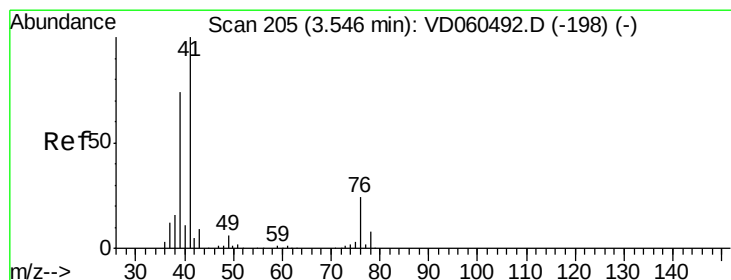
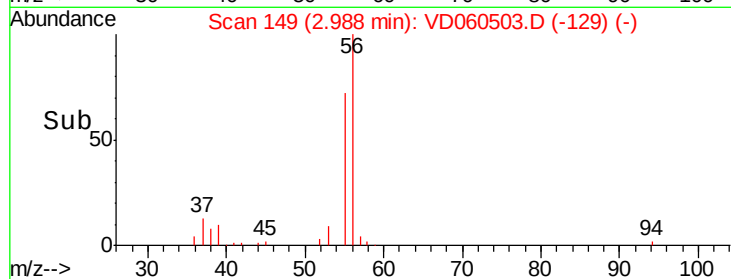
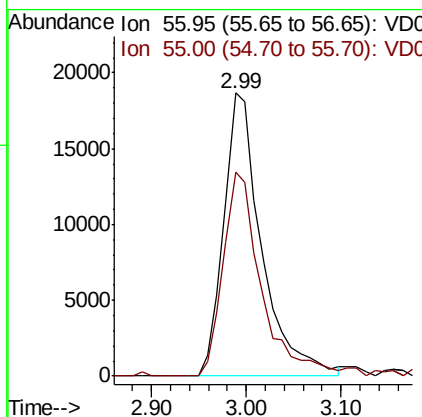
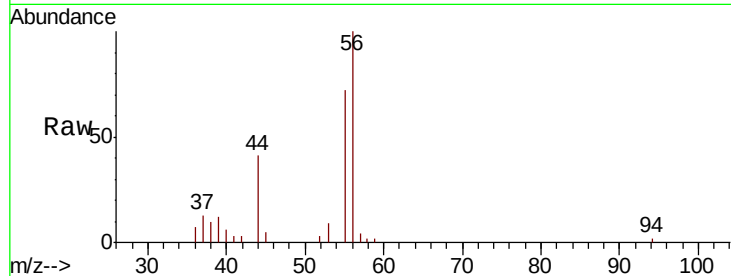
#13
 Acrolein
 Concen: 102.183 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	56	Resp	51797
Ion Ratio	100	Lower	Upper
55	71.9	62.0	93.0

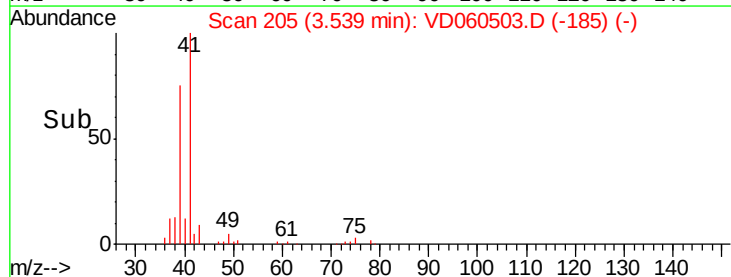
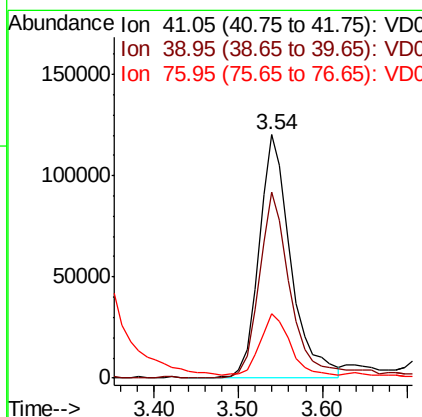
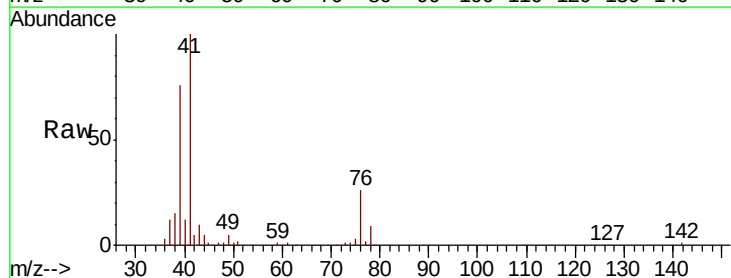
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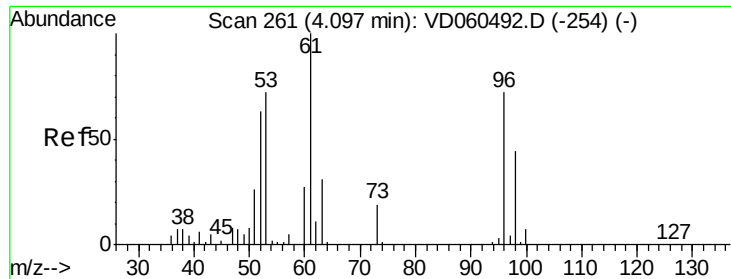
MMDadoda
 12/7/2018 5:03:35 PM



#14
 Allyl chloride
 Concen: 20.840 ug/l
 RT: 3.54 min Scan# 205
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	41	Resp	318384
Ion Ratio	100	Lower	Upper
39	76.2	59.3	88.9
76	26.4	21.0	31.6





#15

Acrylonitrile

Concen: 101.791 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 53 Resp: 268128

Ion Ratio Lower Upper

53 100

52 89.3 70.0 105.0

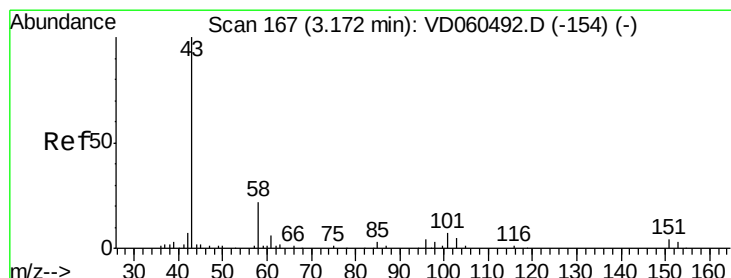
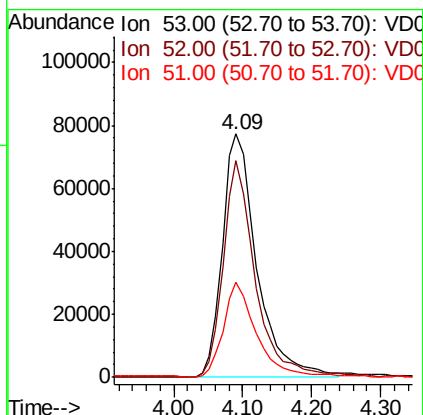
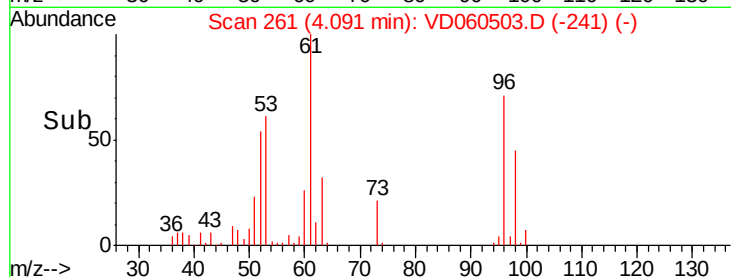
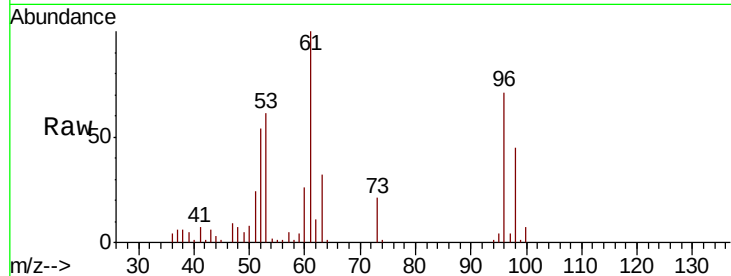
51 38.9 28.8 43.2

Manual Integrations

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#16

Acetone

Concen: 97.766 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060503.D

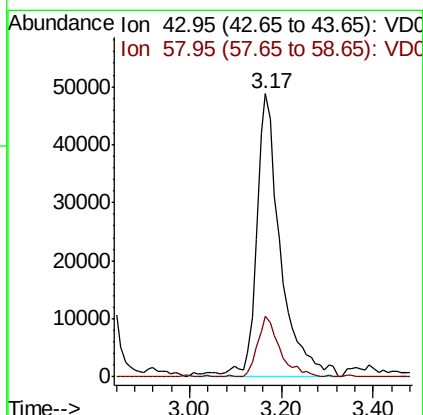
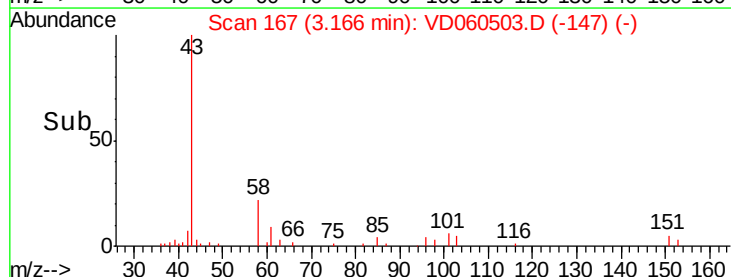
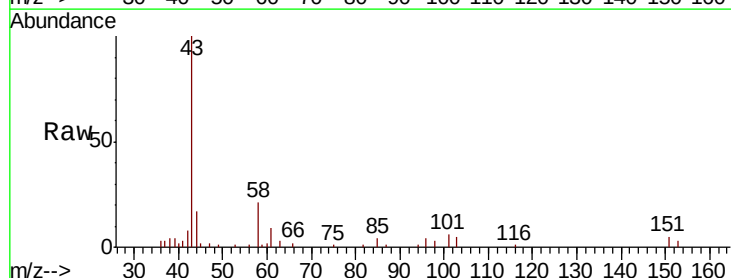
Acq: 6 Dec 2018 14:11

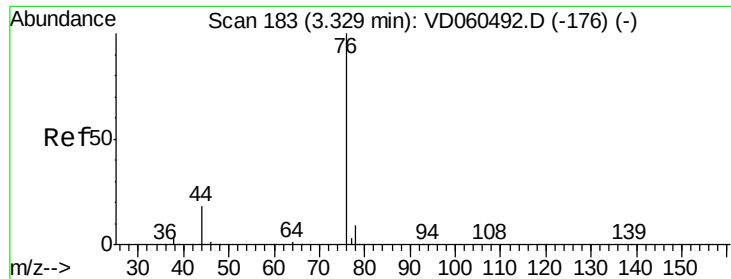
Tgt Ion: 43 Resp: 178943

Ion Ratio Lower Upper

43 100

58 21.5 17.3 25.9





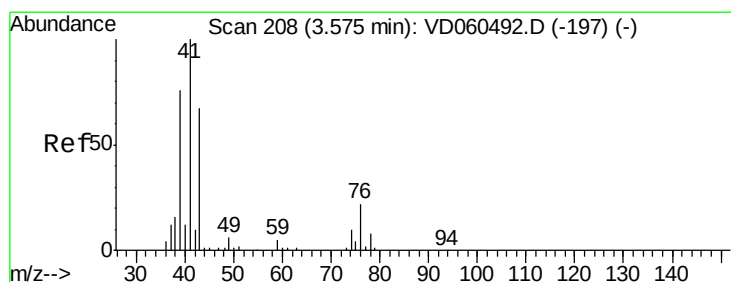
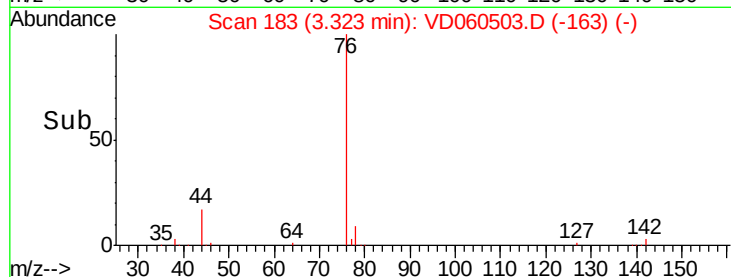
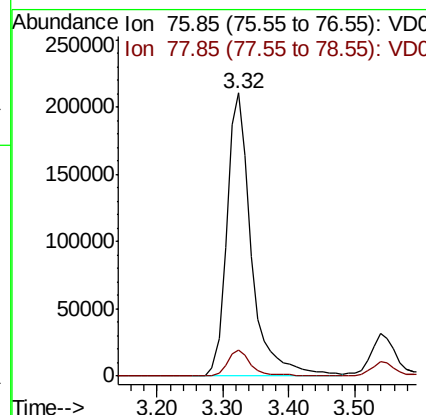
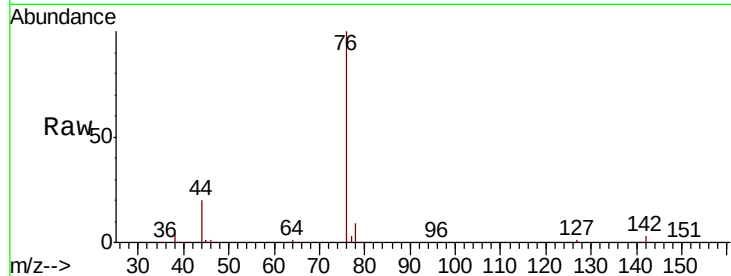
#17
Carbon Disulfide
Concen: 20.993 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

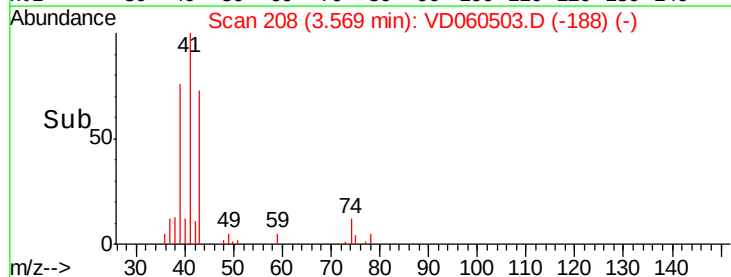
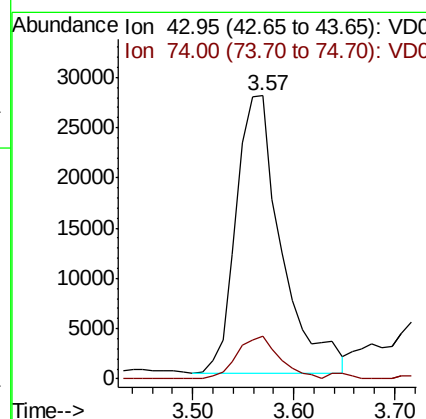
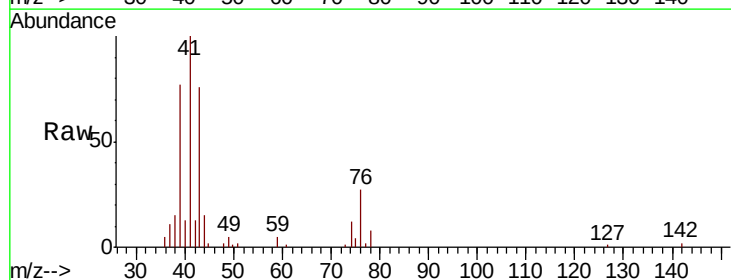
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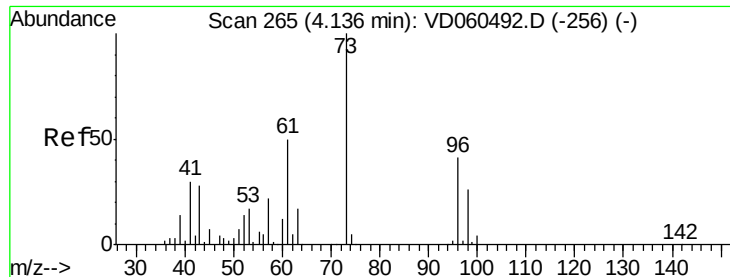
MMDadoda
12/7/2018 5:03:35 PM



#18
Methyl Acetate
Concen: 19.933 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.1	12.0	18.0





#19

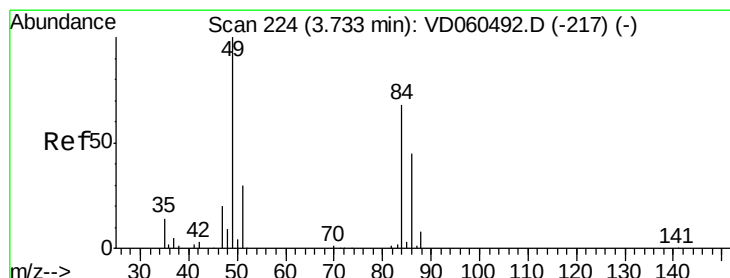
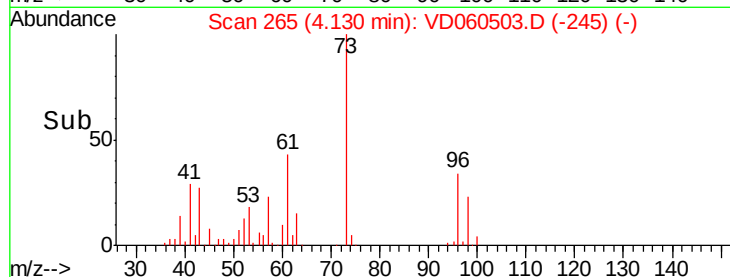
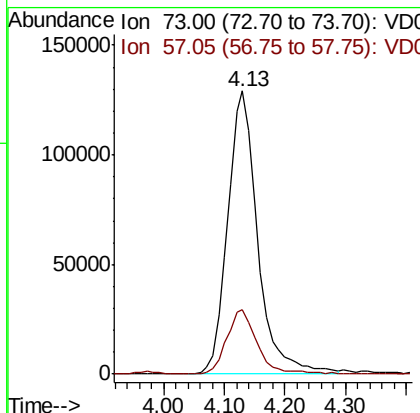
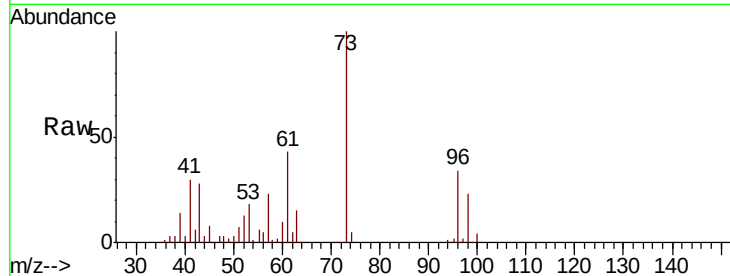
Methvl tert-butyl Ether
 Concen: 19.898 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 73 Resp: 444328
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.8 26.6

Manual Integrations
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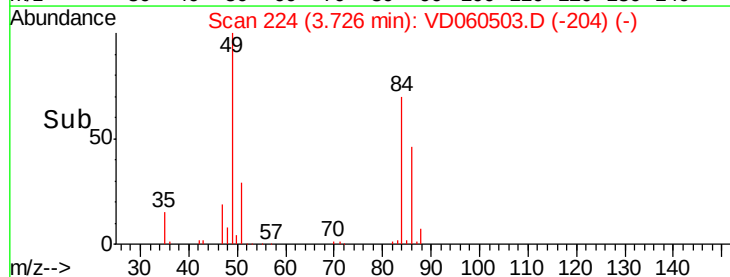
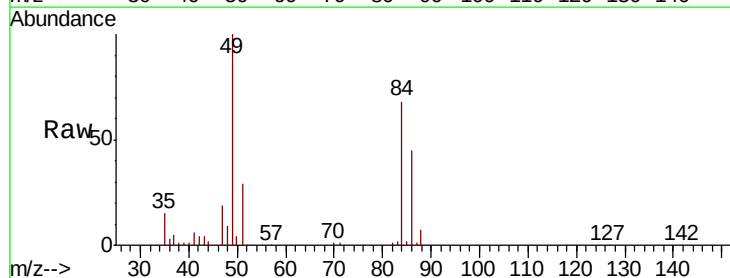
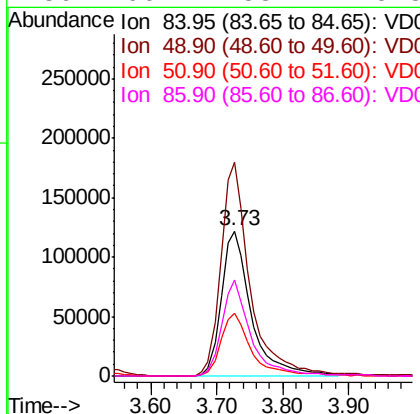
MMDadoda
 12/7/2018 5:03:35 PM

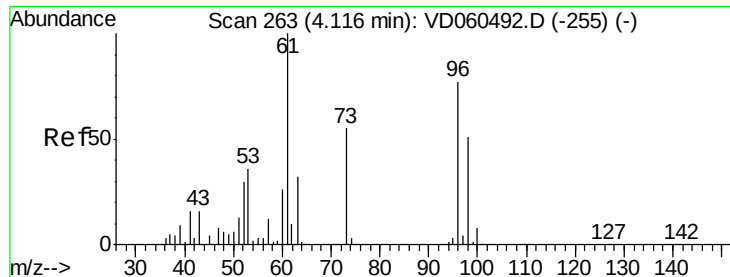


#20

Methylene Chloride
 Concen: 20.316 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion: 84 Resp: 386059
 Ion Ratio Lower Upper
 84 100
 49 147.1 117.2 175.8
 51 43.0 35.3 52.9
 86 66.1 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 20.283 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 96 Resp: 355268

Ion Ratio Lower Upper

96 100

61 136.7 104.2 156.4

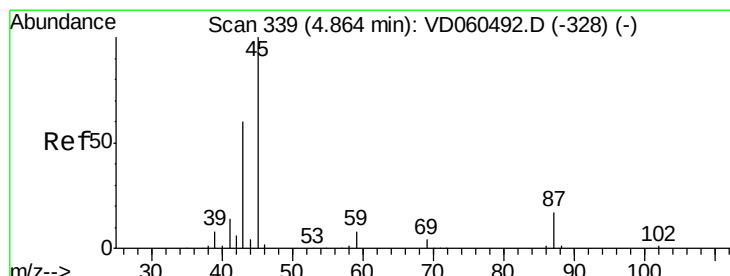
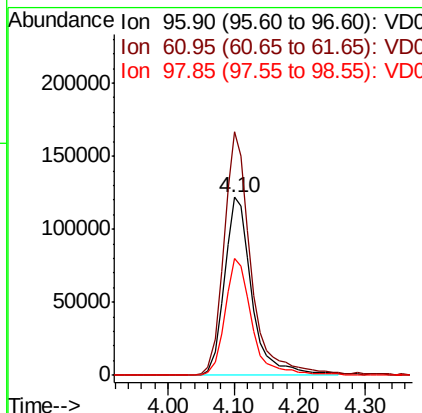
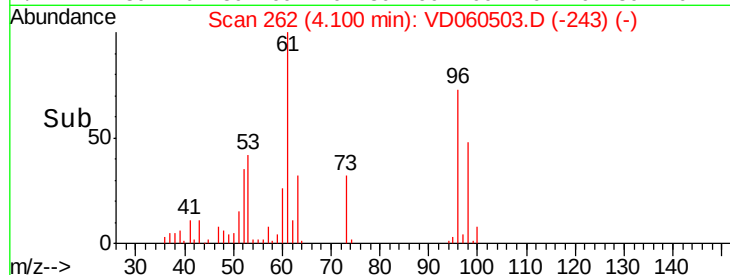
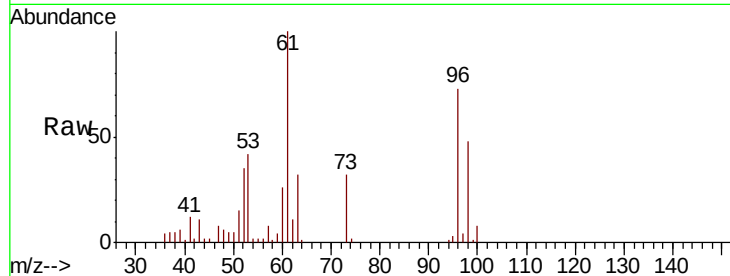
98 66.0 52.8 79.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.069 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Tgt Ion: 45 Resp: 1100826

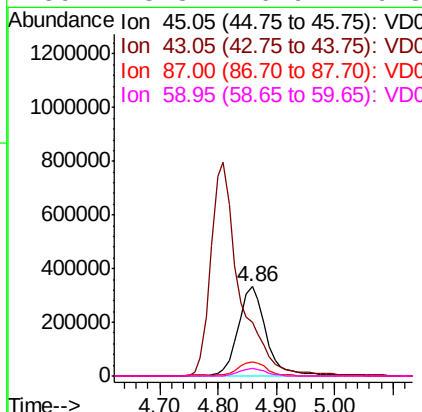
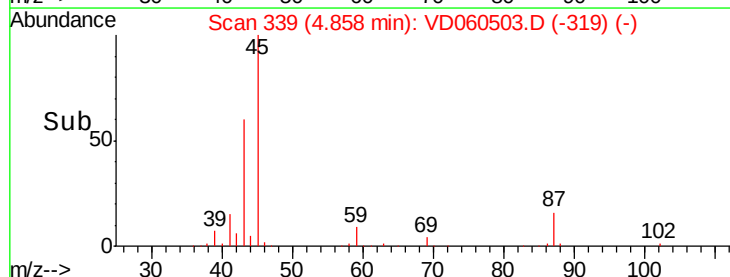
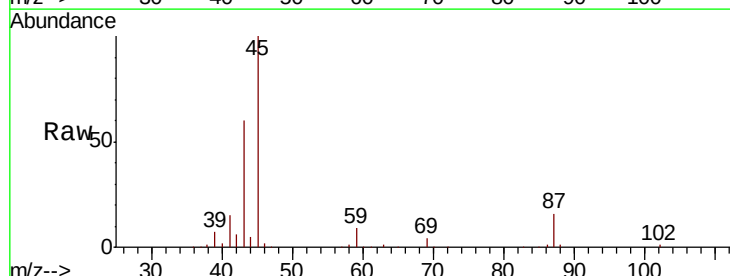
Ion Ratio Lower Upper

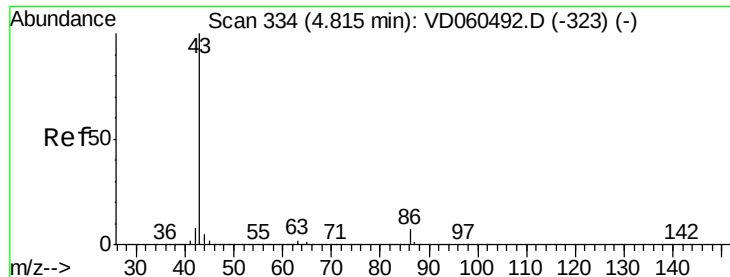
45 100

43 60.4 48.6 73.0

87 15.9 14.0 21.0

59 8.8 6.9 10.3





#23

Vinyl Acetate

Concen: 99.974 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 2716987

Ion Ratio Lower Upper

43 100

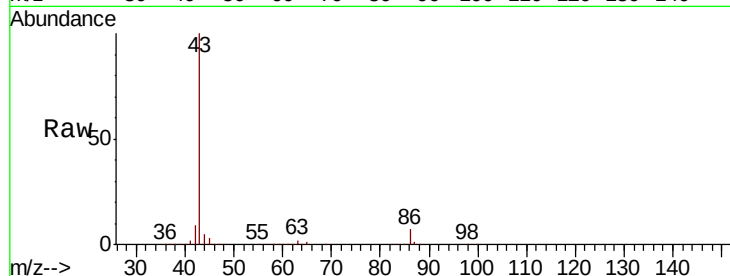
86 6.8 5.5 8.3

Manual Integrations

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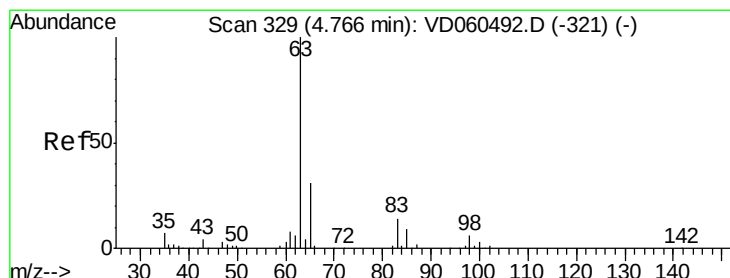
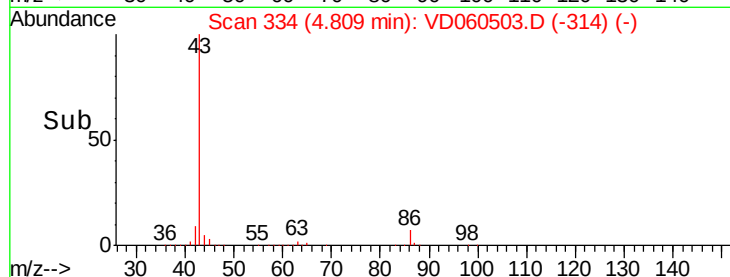
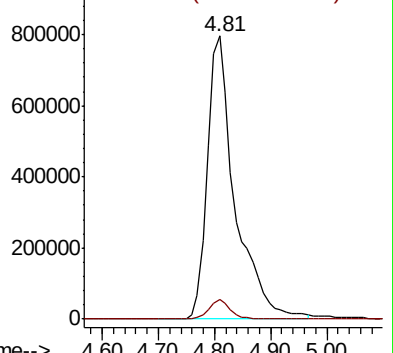
MMDadoda

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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: 19.552 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

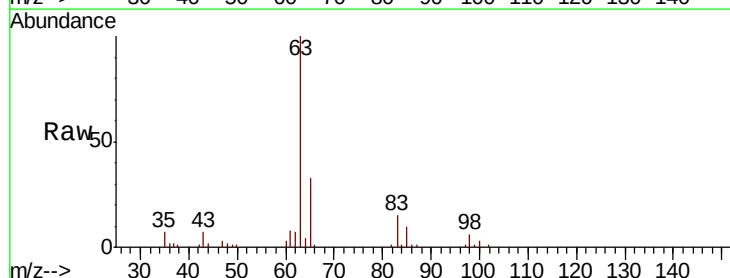
Tgt Ion: 63 Resp: 557153

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

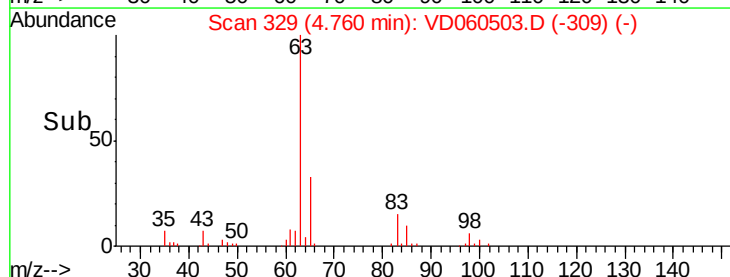
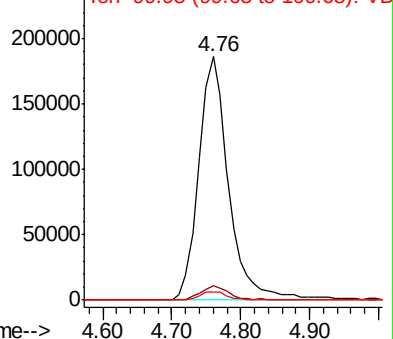
100 3.3 1.7 5.1

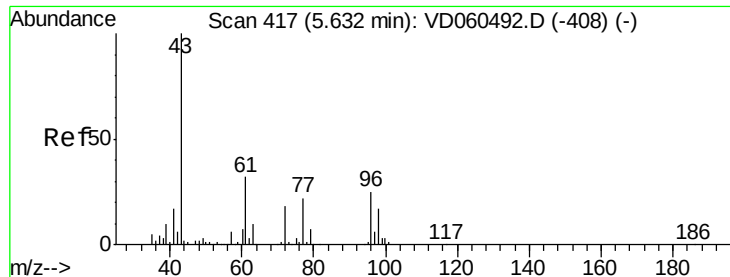


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 99.783 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBSD01

Tot Ion: 43 Resp: 359318

Ion Ratio Lower Upper

43 100

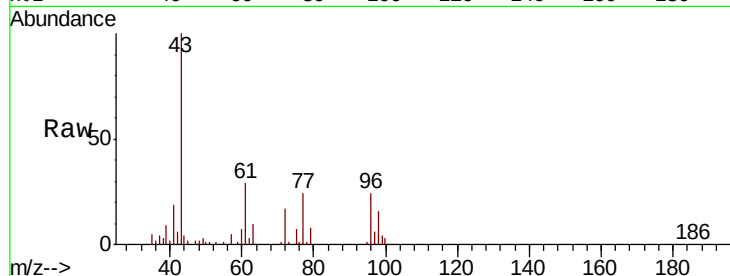
72 17.4 14.6 21.8

Manual Integrations

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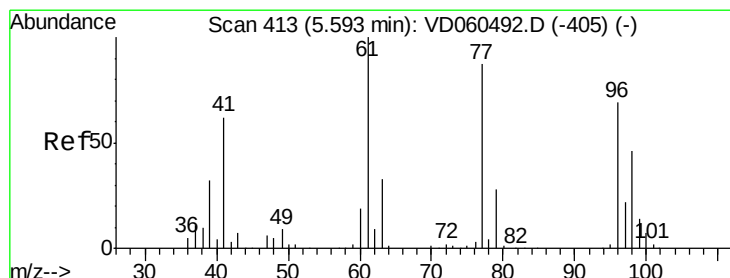
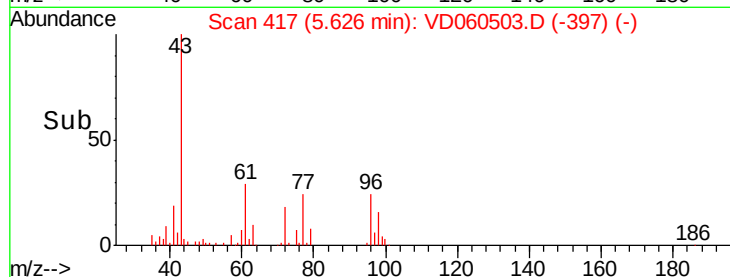
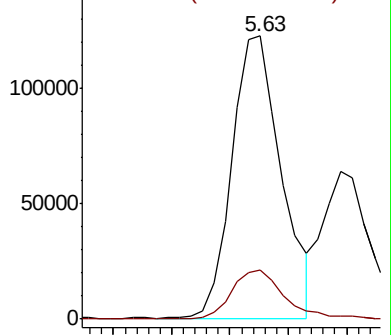
MMDadoda

12/7/2018 5:03:35 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.572 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060503.D

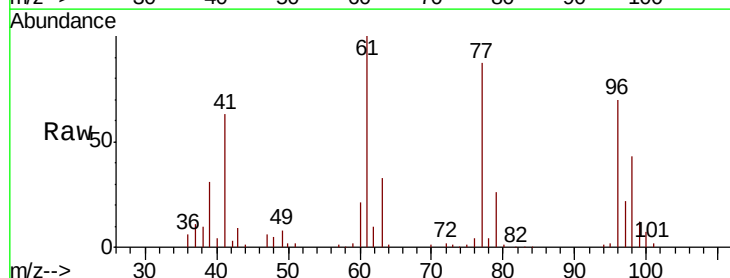
Acq: 6 Dec 2018 14:11

Tgt Ion: 77 Resp: 452864

Ion Ratio Lower Upper

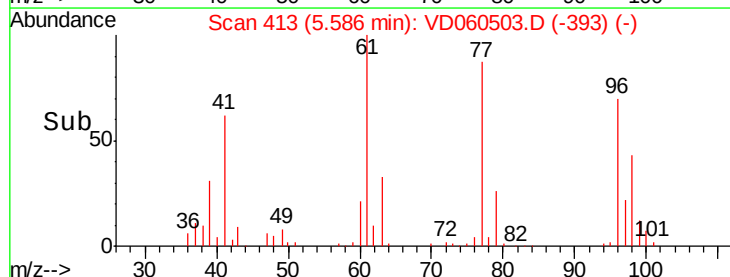
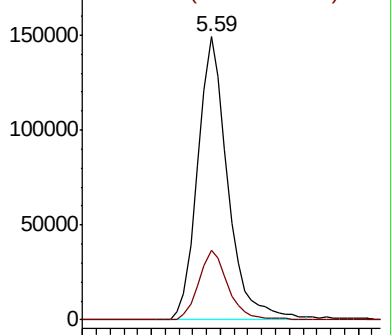
77 100

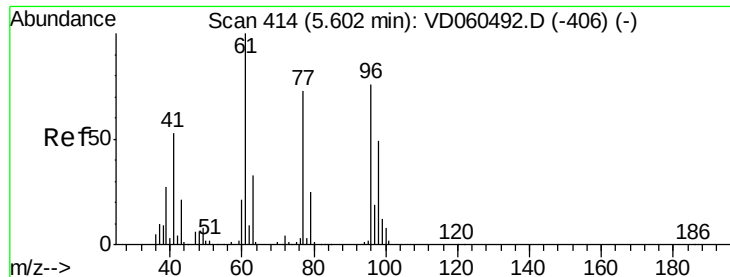
97 24.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

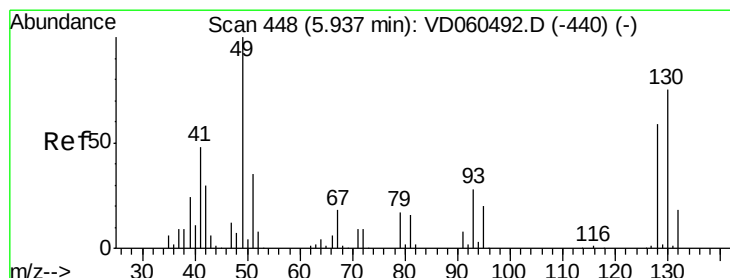
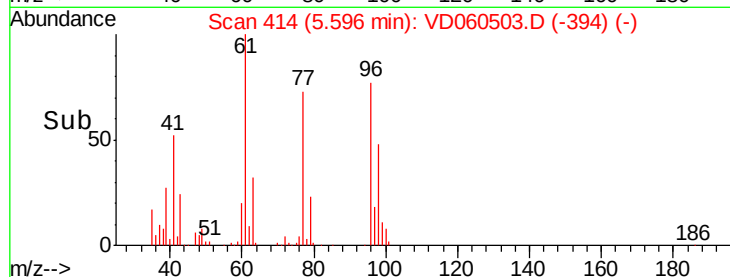
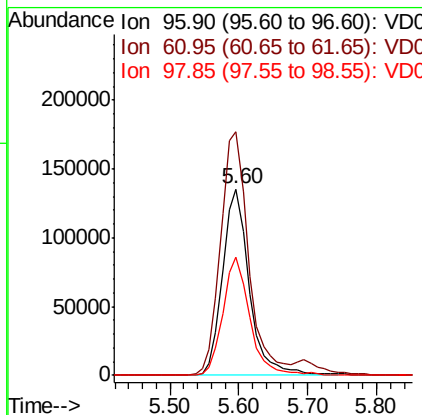
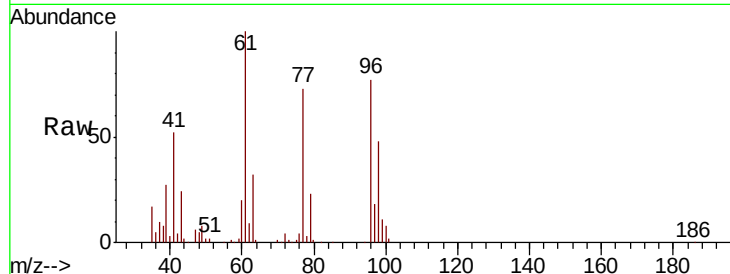
cis-1,2-Dichloroethene
Concen: 20.503 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	263.6
98	63.2	0.0	128.2

Manual Integrations
APPROVED

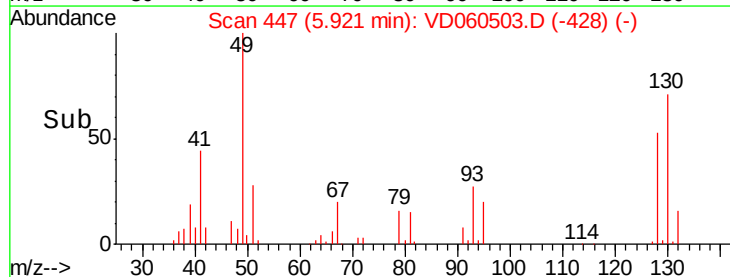
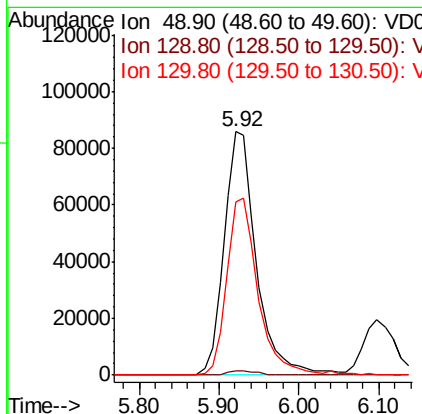
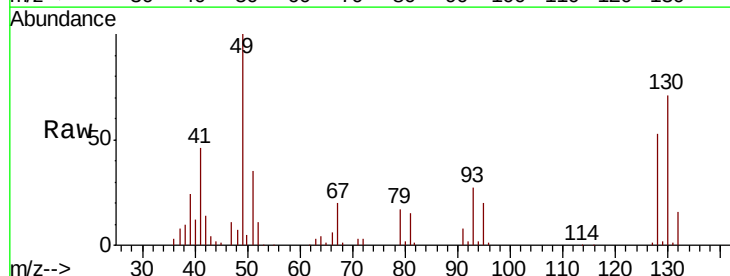
MMDadoda
12/7/2018 5:03:35 PM

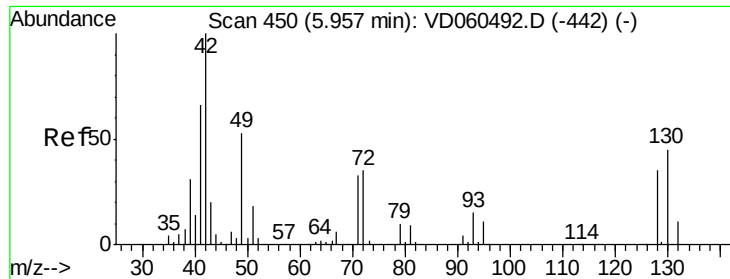


#28

Bromochloromethane
Concen: 19.178 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.02 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	71.1	59.8	89.6





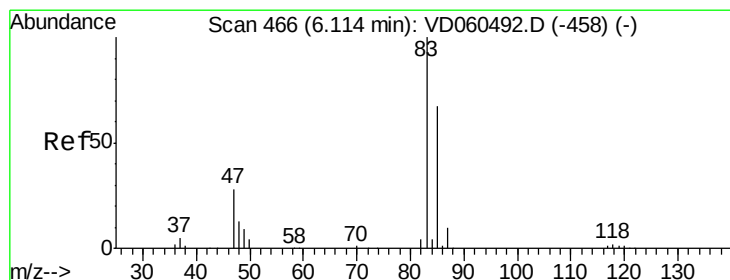
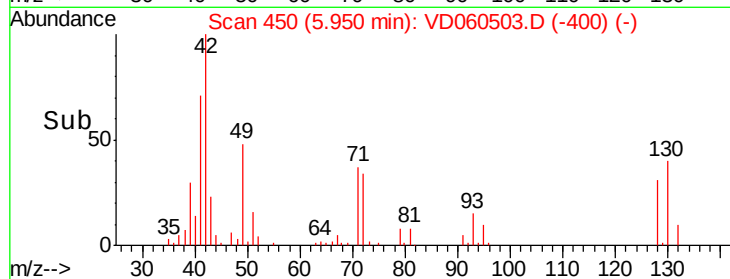
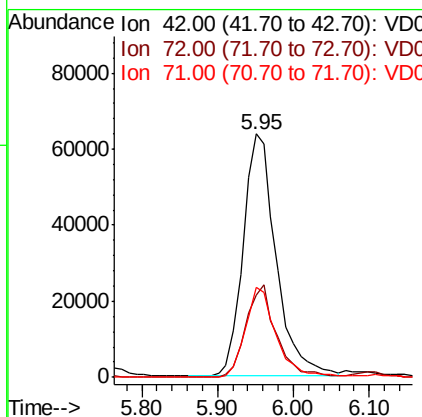
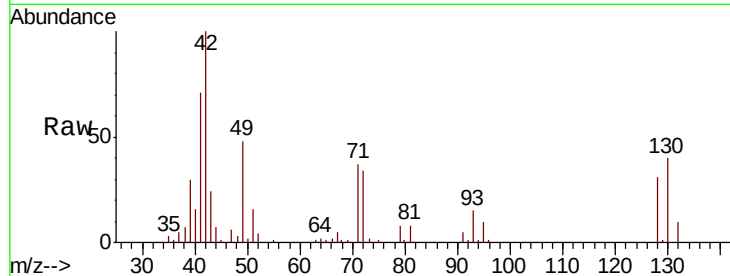
#29
Tetrahydrofuran
Concen: 94.528 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	28.0	42.0
71	35.1	27.2	40.8

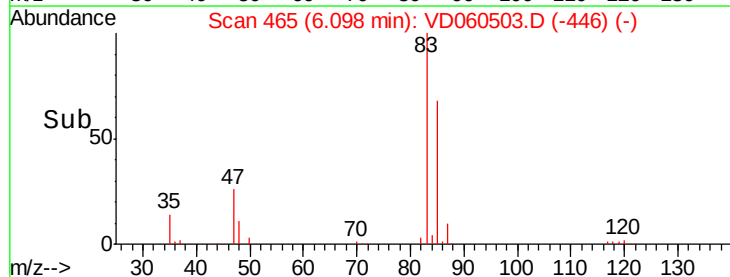
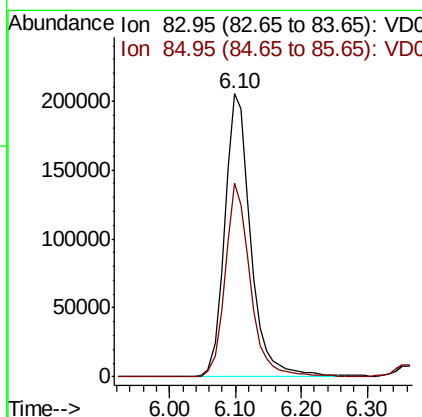
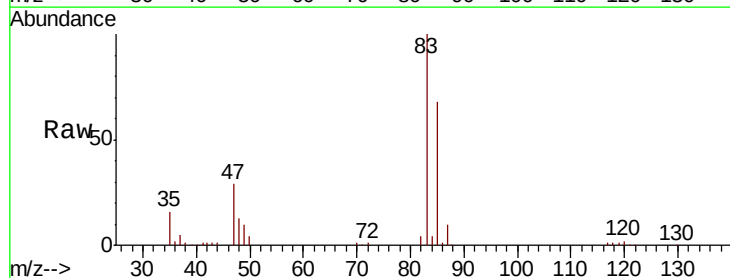
Manual Integrations
APPROVED

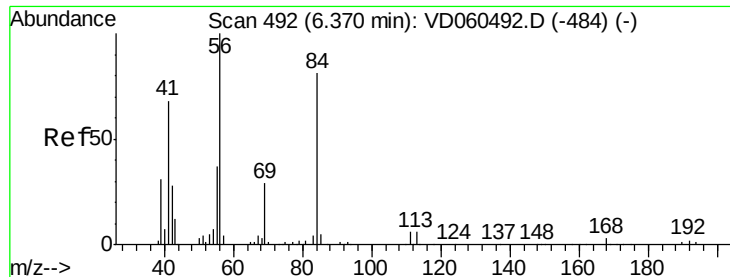
MMDadoda
12/7/2018 5:03:35 PM



#30
Chloroform
Concen: 19.713 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.02 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.4	53.4	80.2





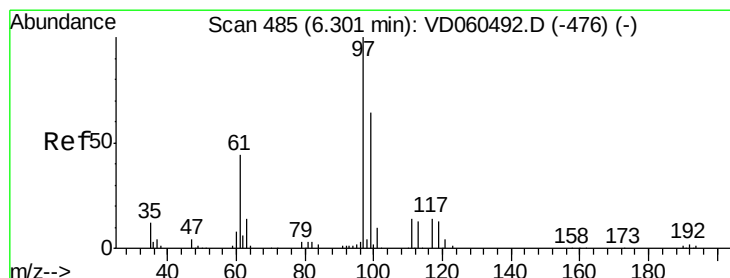
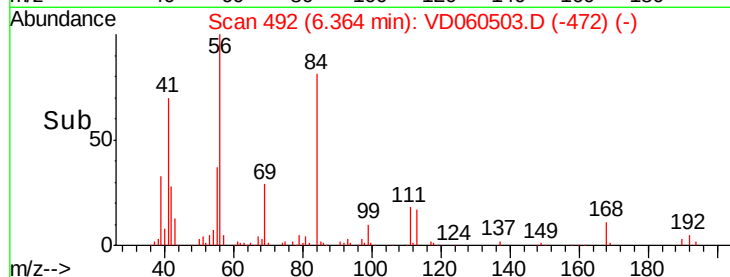
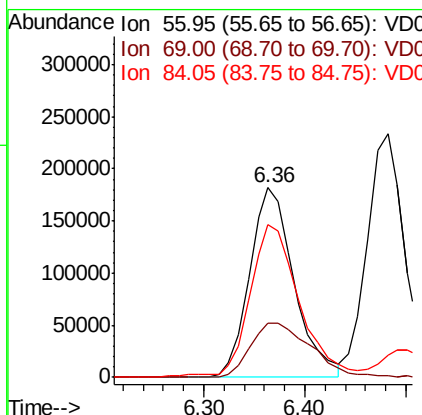
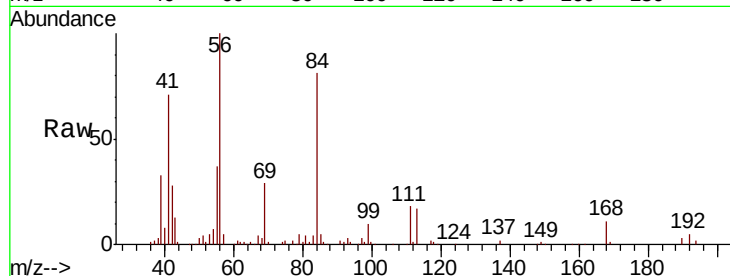
#31
Cyclohexane
Concen: 20.569 ug/l
RT: 6.36 min Scan# 492
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	22.8	34.2
84	80.8	65.1	97.7

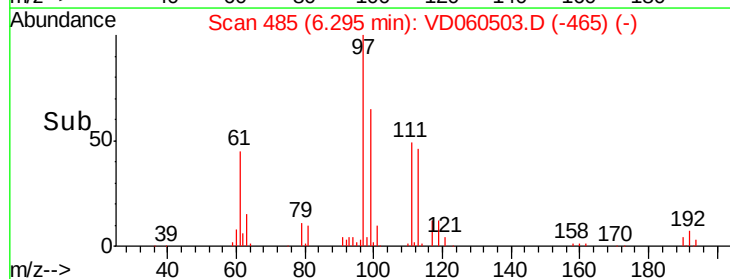
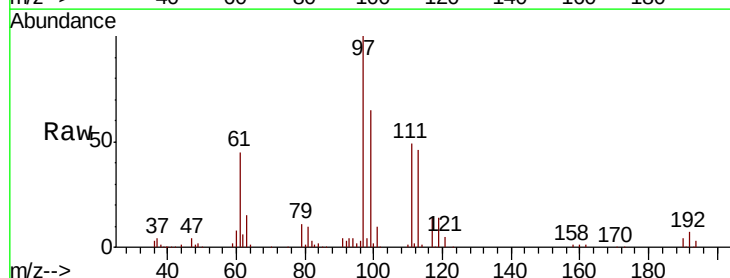
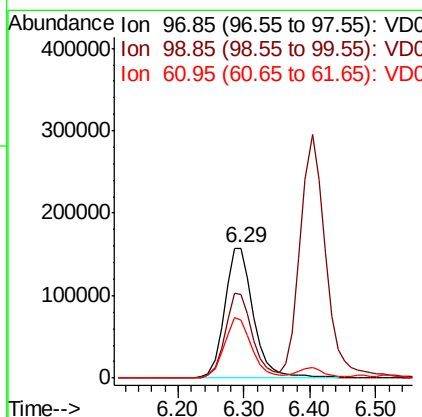
Manual Integrations
APPROVED

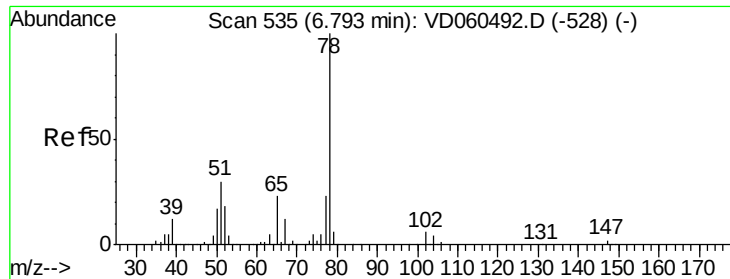
MMDadoda
12/7/2018 5:03:35 PM



#32
1,1,1-Trichloroethane
Concen: 20.402 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	45.1	35.3	52.9





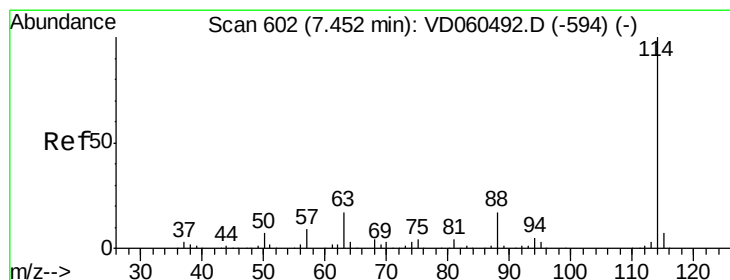
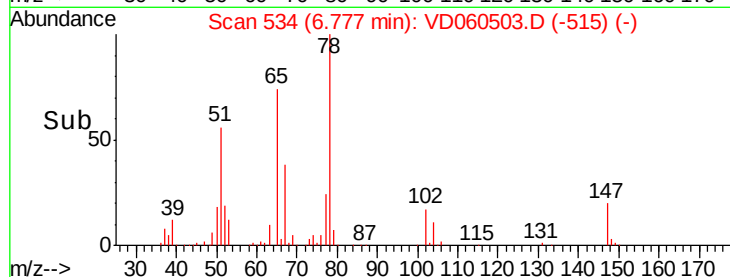
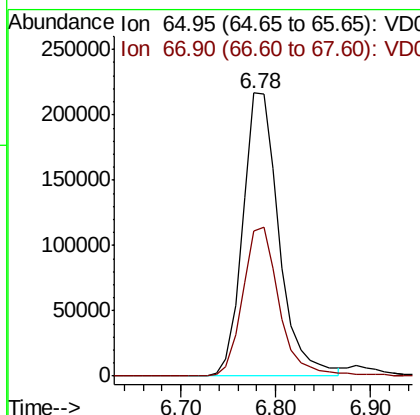
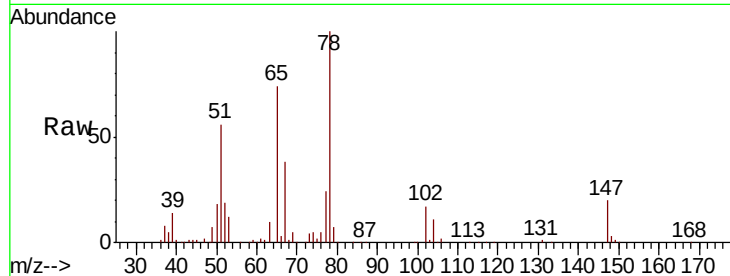
#33
 1,2-Dichloroethane-d4
 Concen: 20.402 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 65 Resp: 574698
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.8

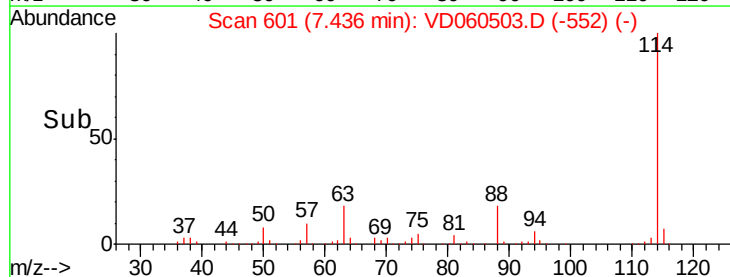
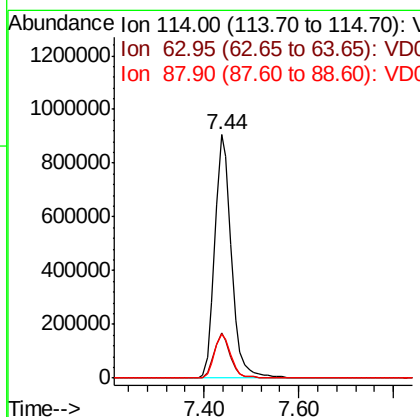
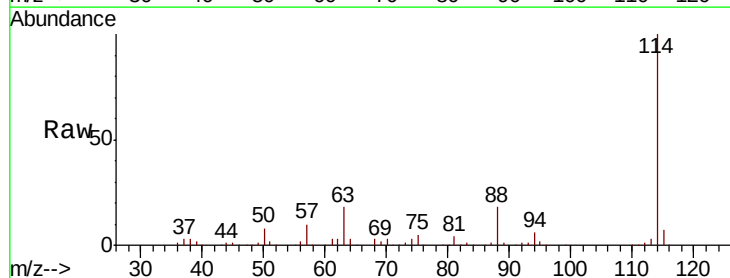
Manual Integrations
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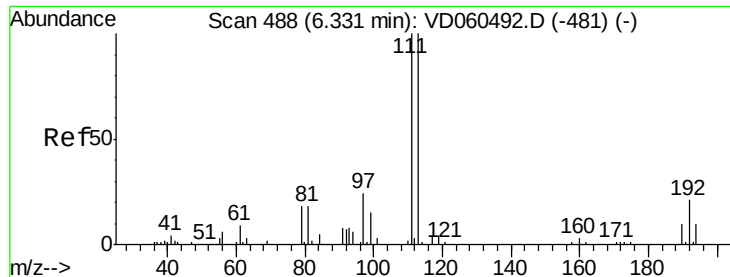
MMDadoda
 12/7/2018 5:03:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion: 114 Resp: 2214494
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.2
 88 18.3 0.0 35.0





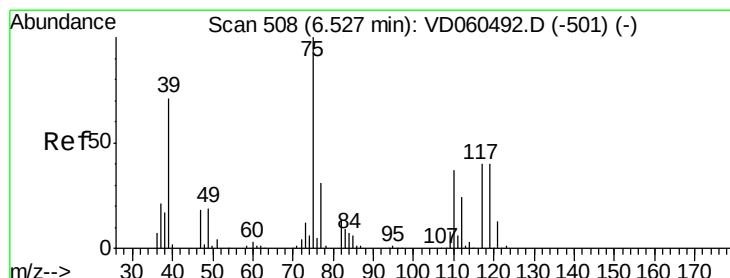
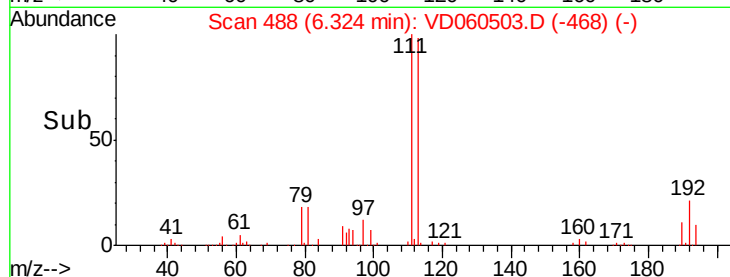
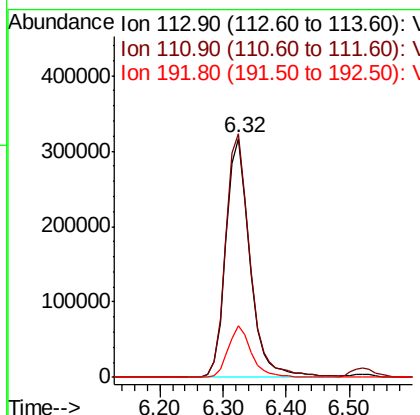
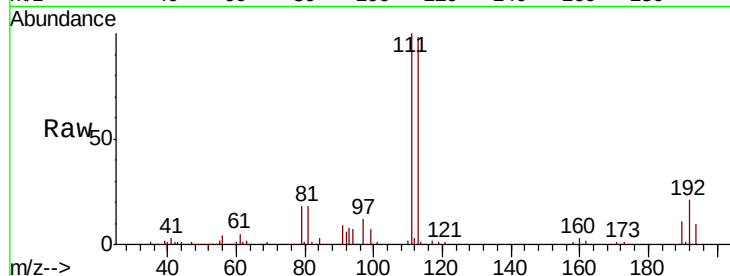
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	80.2	120.4	
192	21.4	16.6	24.8	

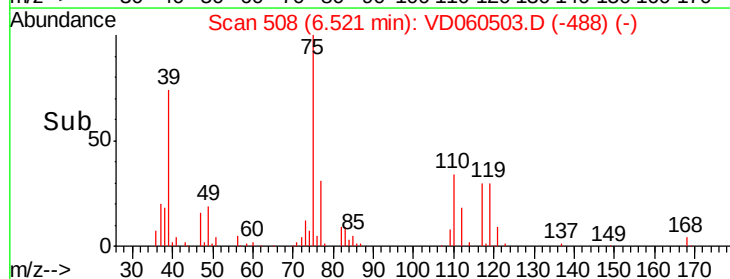
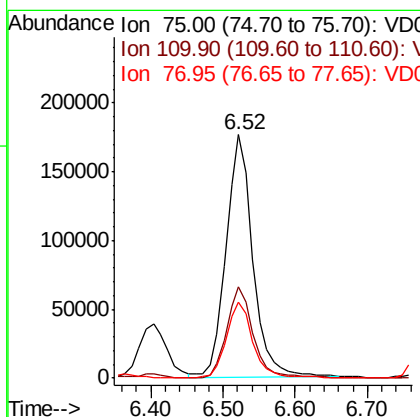
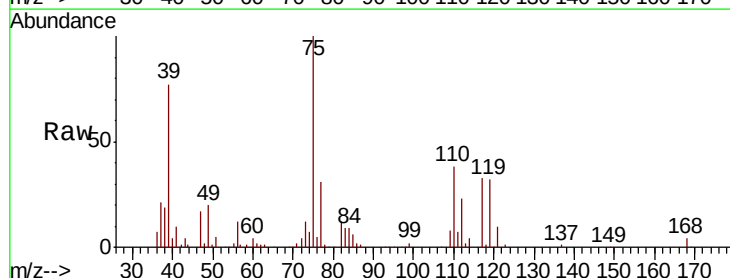
Manual Integrations
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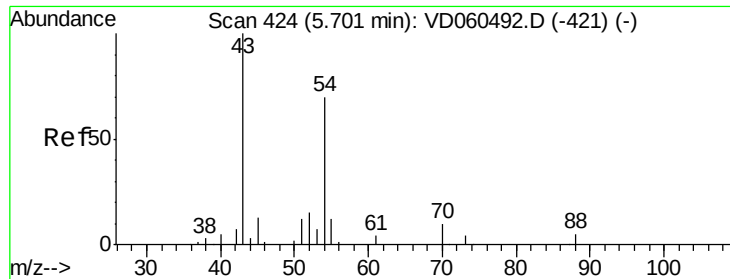
MMDadoda
 12/7/2018 5:03:35 PM



#36
 1,1-Dichloropropene
 Concen: 20.836 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.6	18.3	54.8	
77	31.3	24.6	37.0	





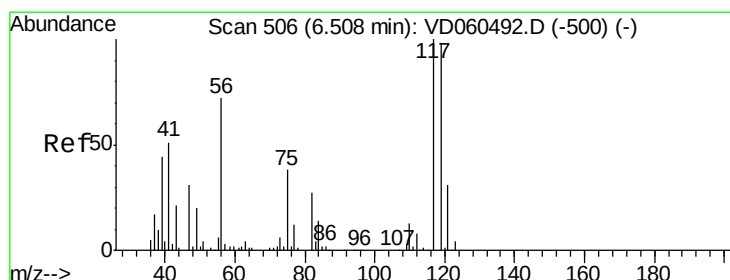
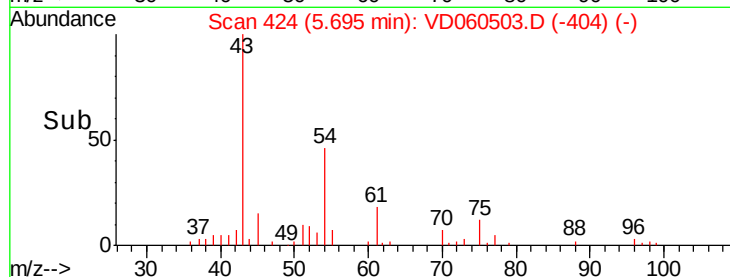
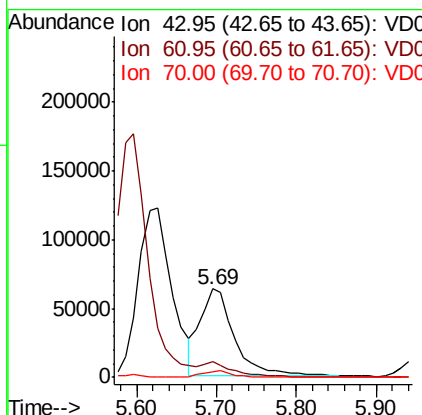
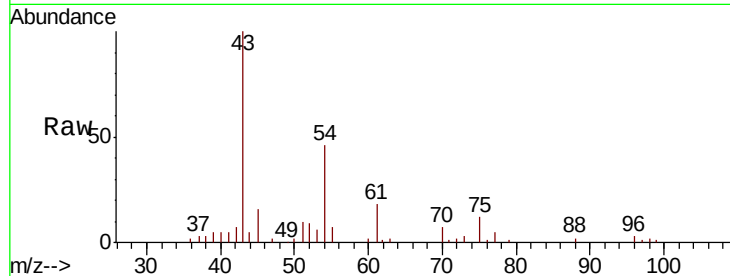
#37
Ethyl Acetate
Concen: 19.917 ug/l
RT: 5.69 min Scan# 424
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	12.4	18.6
70	7.0	5.4	8.0

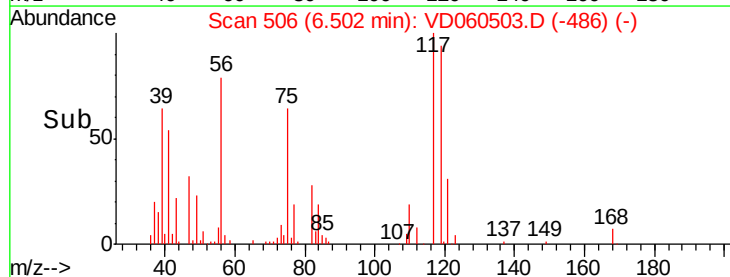
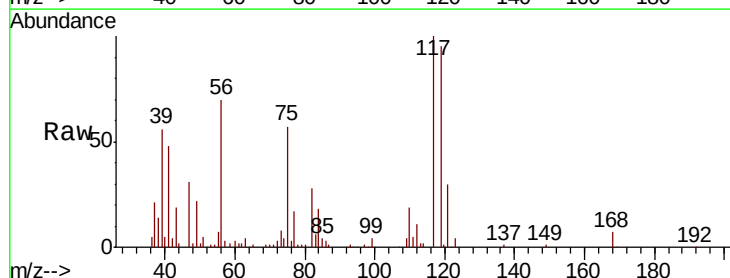
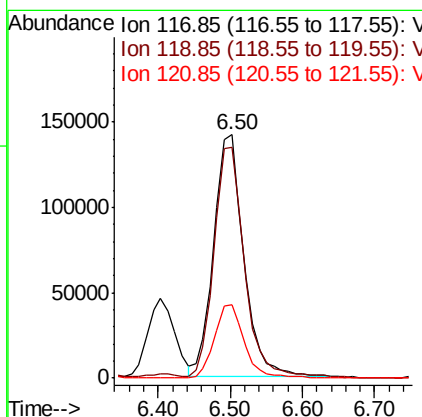
Manual Integrations
APPROVED

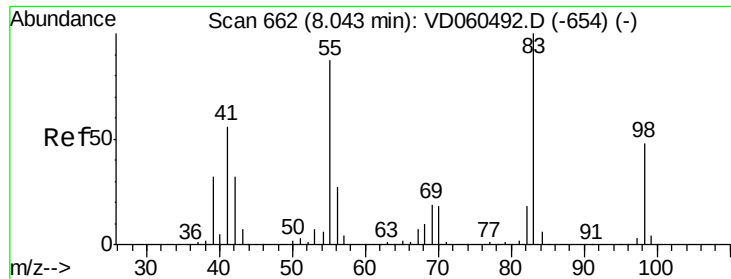
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.907 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.8	115.2
121	30.4	24.4	36.6





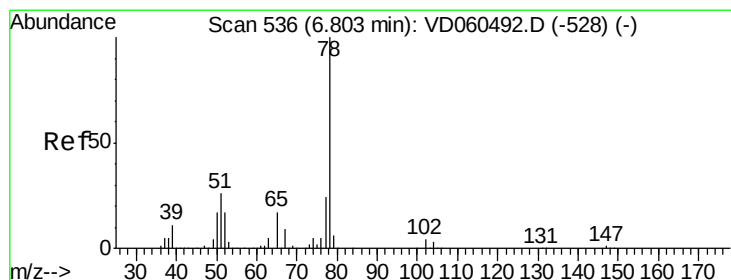
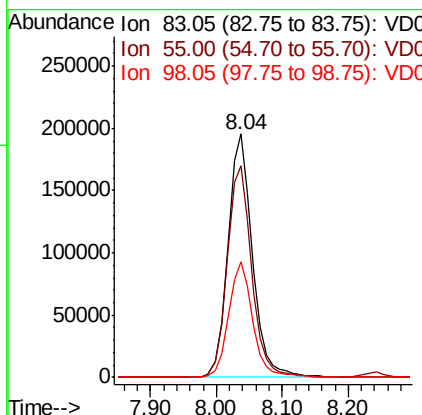
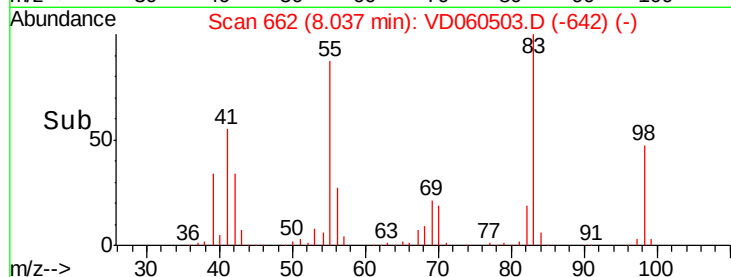
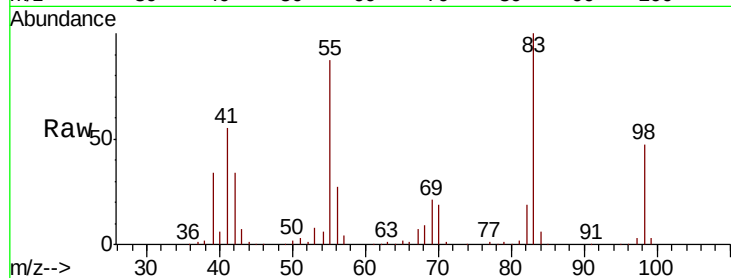
#39
Methylvlcyclohexane
Concen: 20.581 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	83	Resp	507867
Ion Ratio	100	Lower	Upper
83	100		
55	87.0	69.8	104.8
98	47.3	38.4	57.6

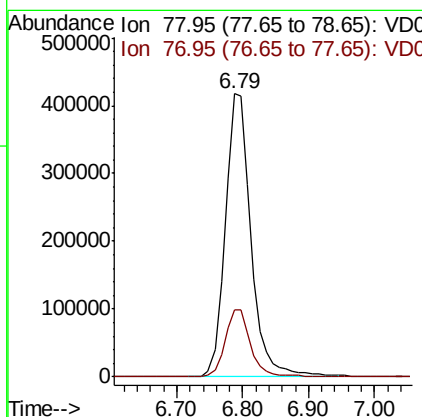
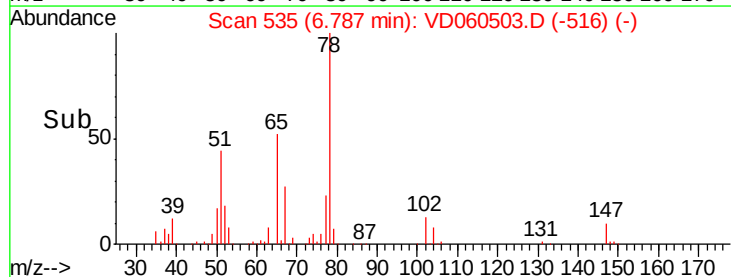
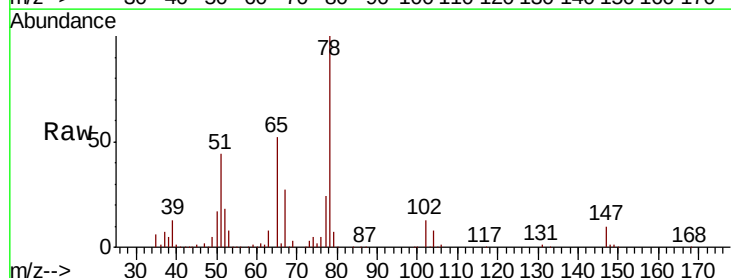
Manual Integrations
APPROVED

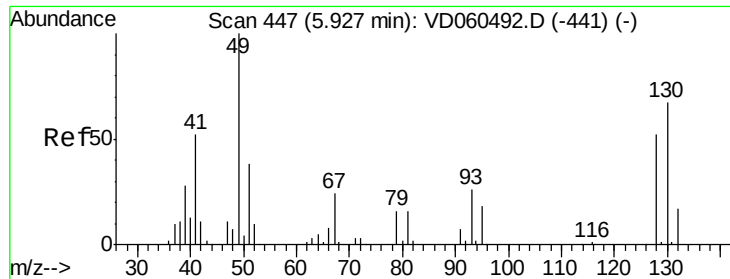
MMDadoda
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#40
Benzene
Concen: 20.602 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	78	Resp	1139714
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.9	28.3





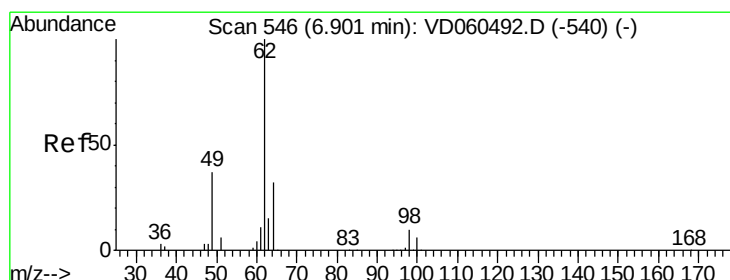
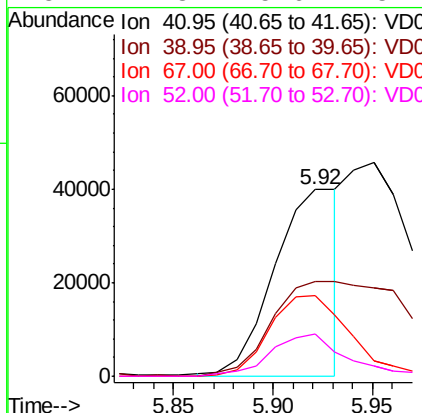
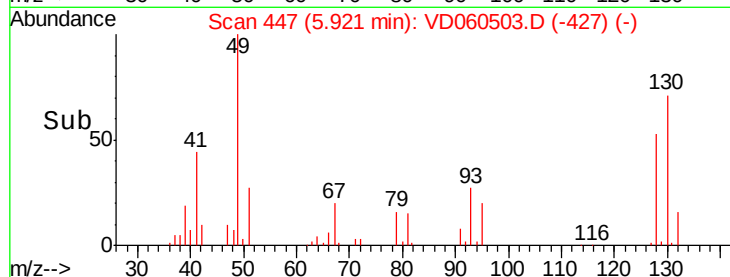
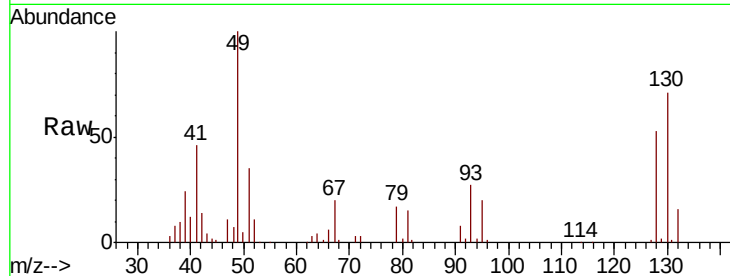
#41
Methacrylonitrile
Concen: 18.110 ug/l m
RT: 5.92 min Scan# 447
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.6	42.6	63.8
67	43.5	36.2	54.4
52	22.8	15.6	23.4

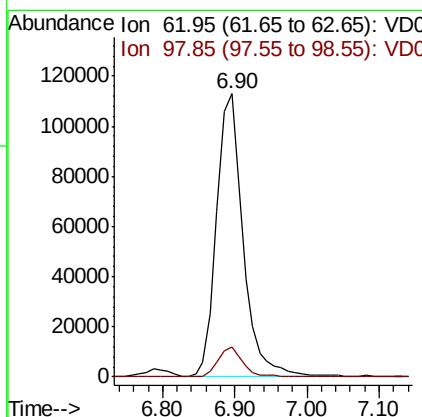
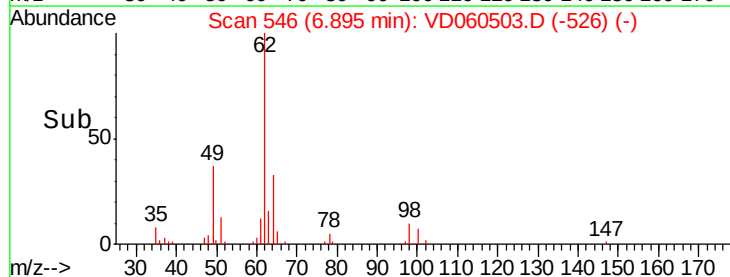
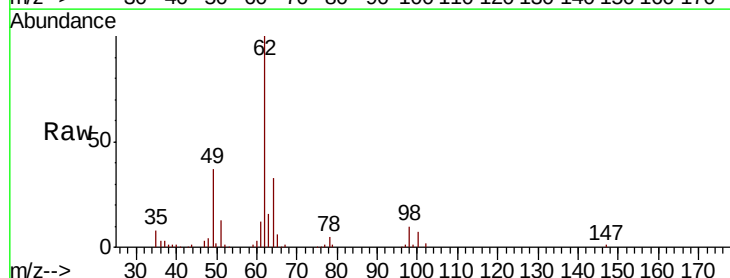
Manual Integrations
APPROVED

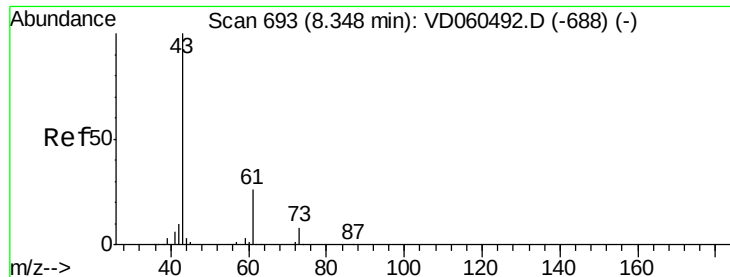
MMDadoda
12/7/2018 5:03:35 PM



#42
1,2-Dichloroethane
Concen: 20.469 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.2





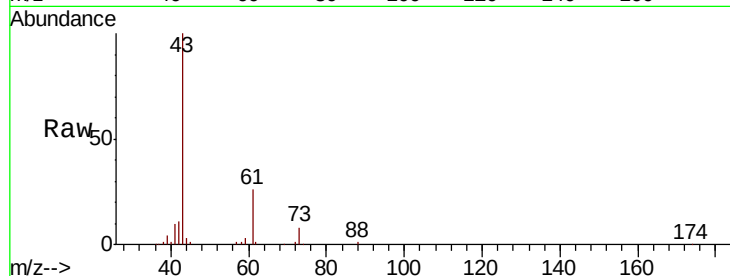
#43
Isopropyl Acetate
Concen: 19.985 ug/l
RT: 8.34 min Scan# 693
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

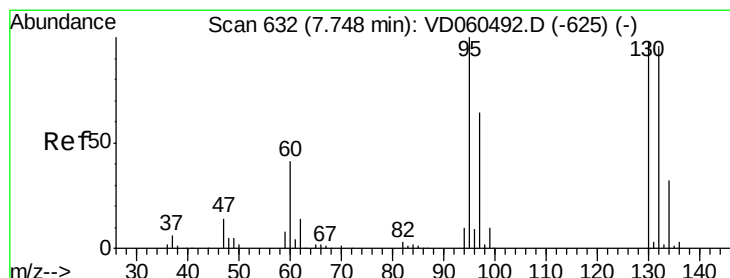
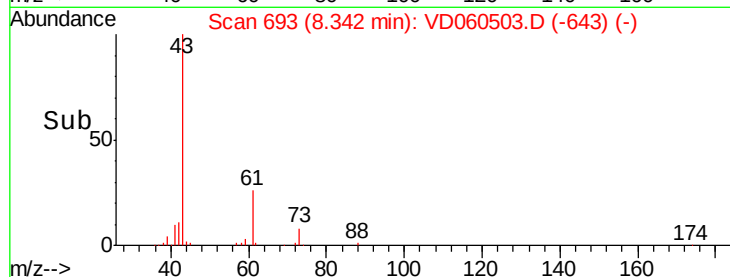
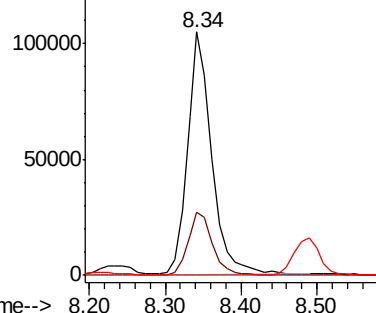
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	21.0	31.4
87	0.0	0.2	0.2

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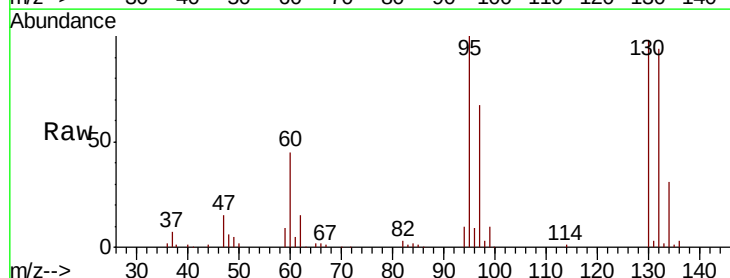


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

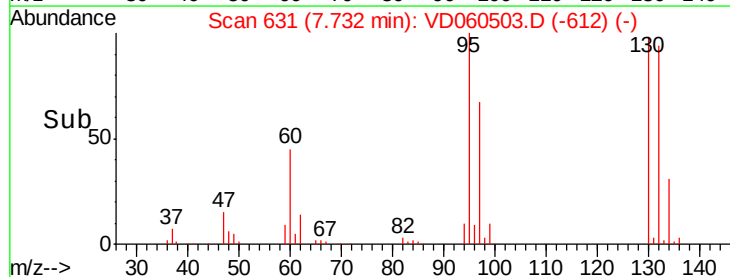
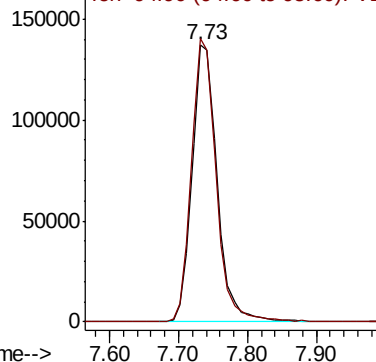


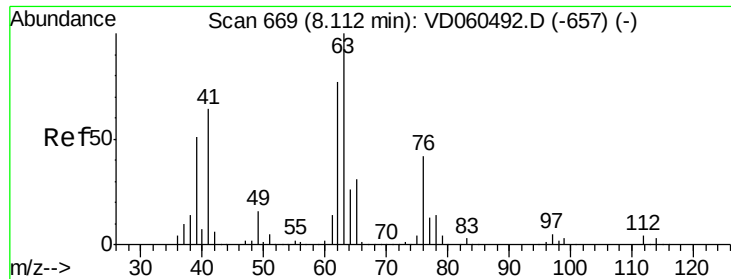
#44
Trichloroethene
Concen: 20.855 ug/l
RT: 7.73 min Scan# 631
Delta R.T. -0.02 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	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: 20.250 ug/l

RT: 8.10 min Scan# 668

Delta R.T. -0.02 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 63 Resp: 277061

Ion Ratio Lower Upper

63 100

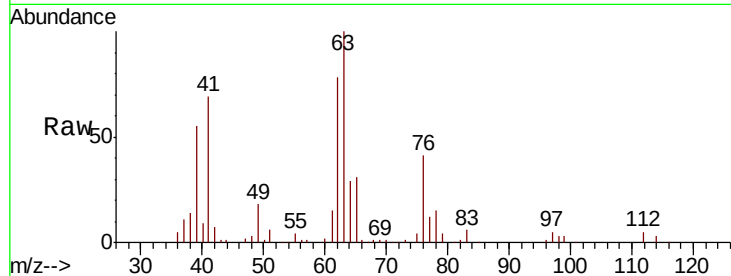
65 30.7 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

120000

100000

80000

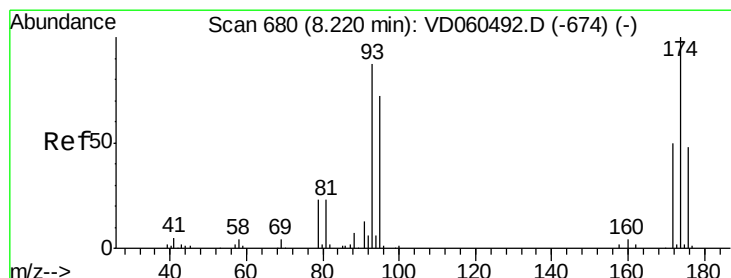
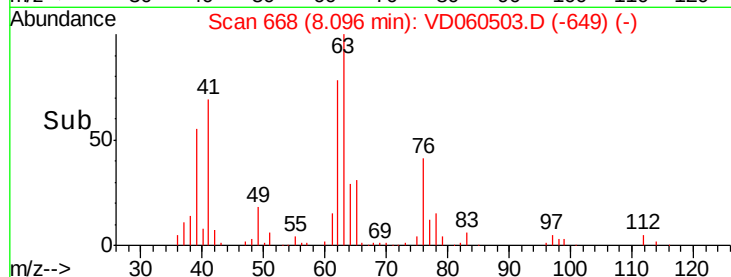
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 19.767 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

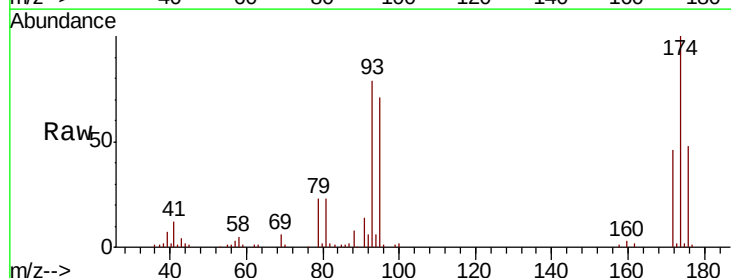
Tgt Ion: 93 Resp: 156261

Ion Ratio Lower Upper

93 100

95 90.3 65.6 98.4

174 126.5 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

100000

80000

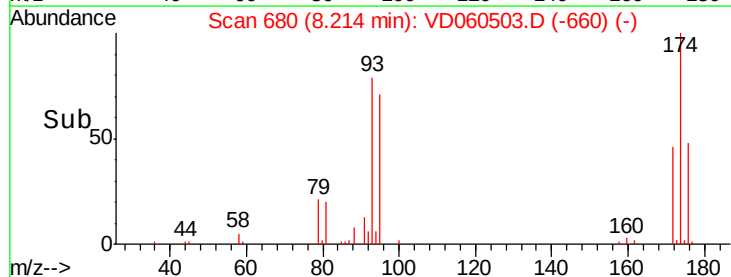
60000

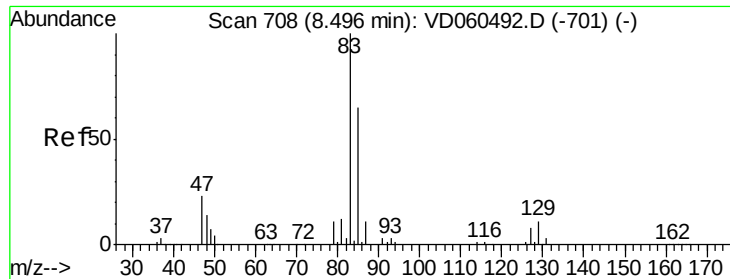
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.841 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

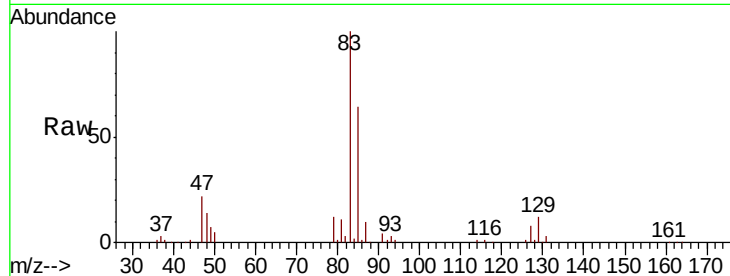
ClientSampleId :

VD1206SBS01

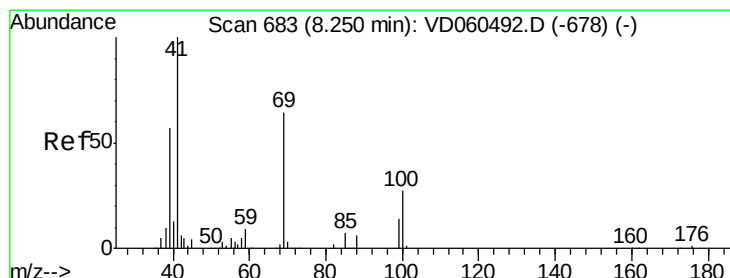
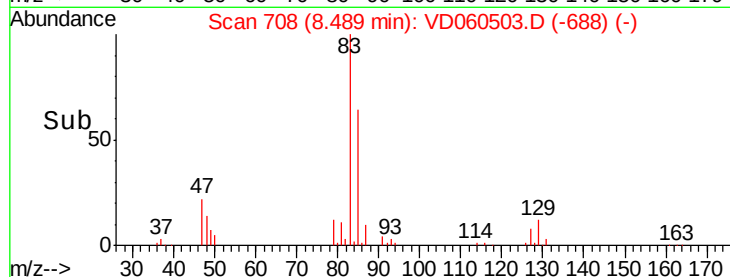
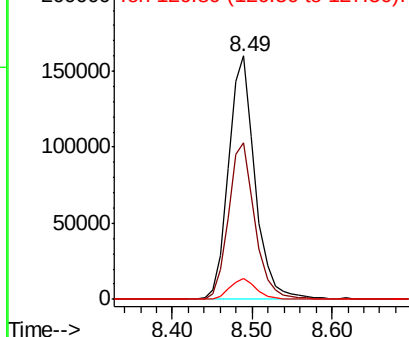
Tot Ion:	83	Resp:	372158
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	8.5	6.7	10.1

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



#48

Methyl methacrylate

Concen: 20.797 ug/l

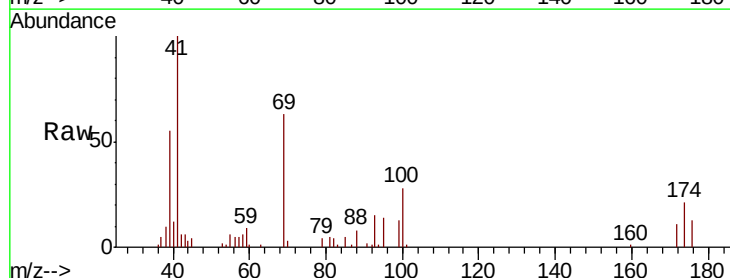
RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

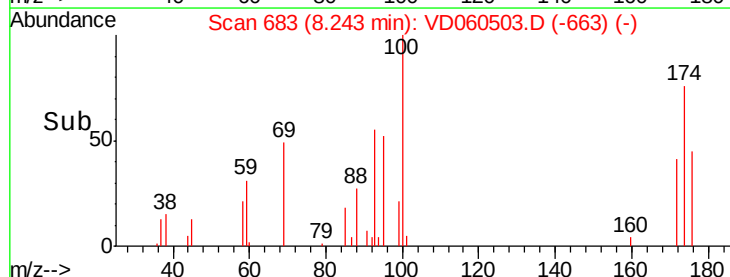
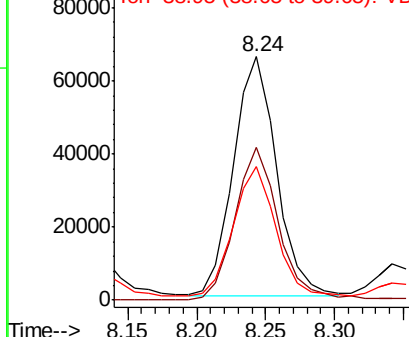
Lab File: VD060503.D

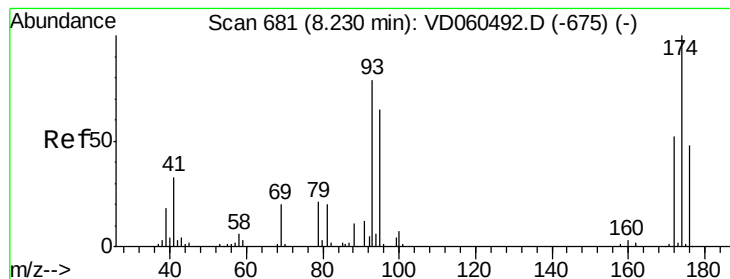
Acq: 6 Dec 2018 14:11

Tgt Ion:	41	Resp:	142598
Ion	Ratio	Lower	Upper
41	100		
69	63.0	50.2	75.4
39	54.6	46.1	69.1



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





#49

1,4-Dioxane

Concen: 421.772 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 88 Resp: 26211

Ion Ratio Lower Upper

88 100

43 48.7 32.9 49.3

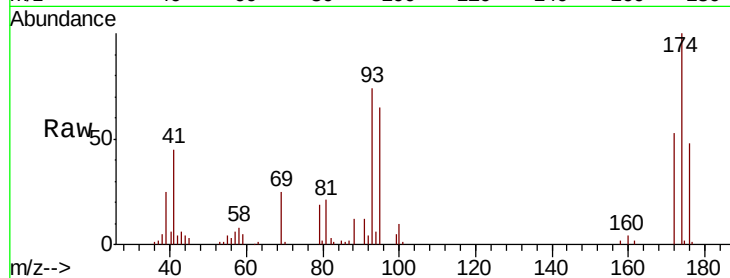
58 63.2 47.7 71.5

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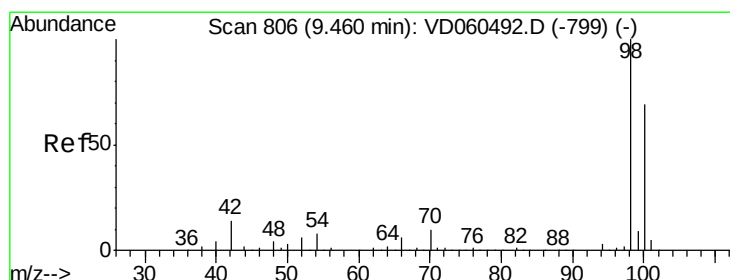
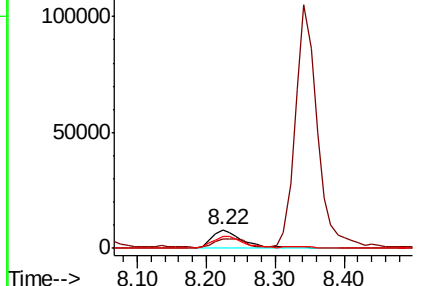
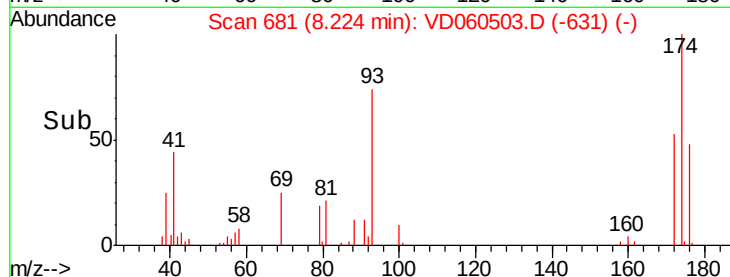
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 421.772 ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060503.D

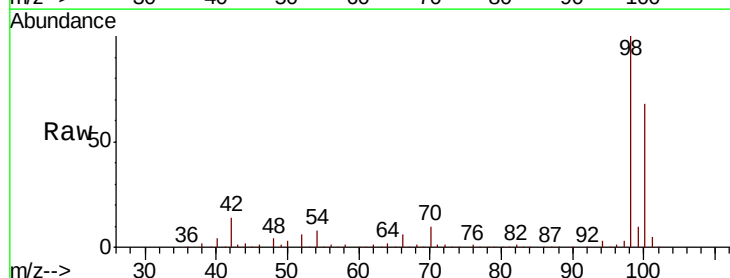
Acq: 6 Dec 2018 14:11

Tgt Ion: 98 Resp: 2432195

Ion Ratio Lower Upper

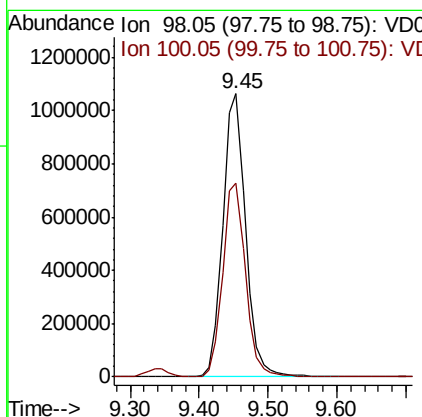
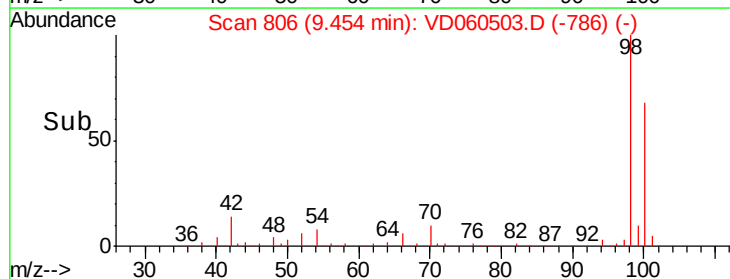
98 100

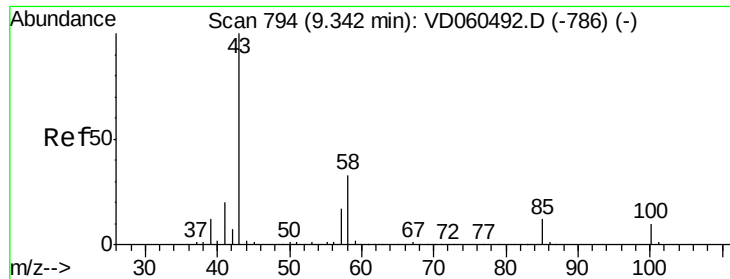
100 68.3 55.7 83.5



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: 104.382 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleID :

VD1206SBS01

Tot Ion: 43 Resp: 752434

Ion Ratio Lower Upper

43 100

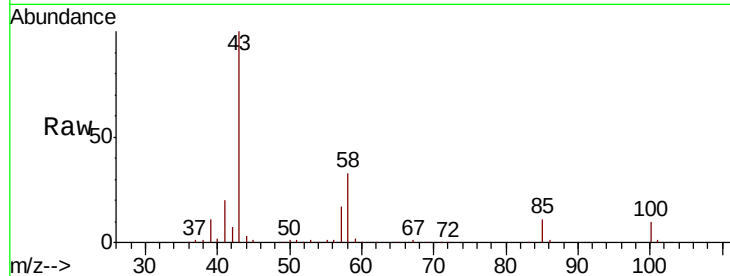
58 33.3 26.3 39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

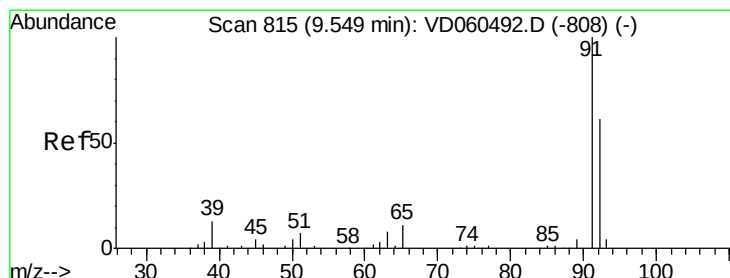
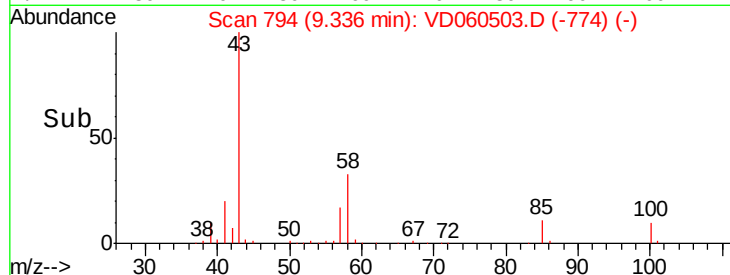
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 20.660 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD060503.D

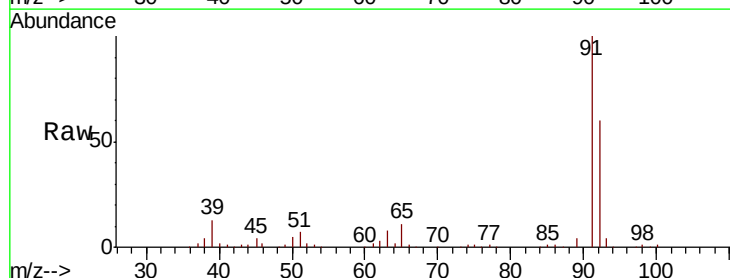
Acq: 6 Dec 2018 14:11

Tgt Ion: 92 Resp: 714376

Ion Ratio Lower Upper

92 100

91 167.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

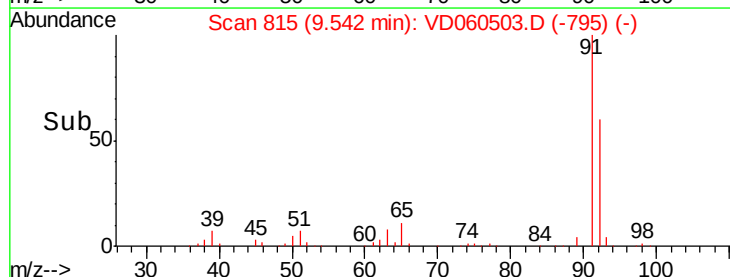
300000

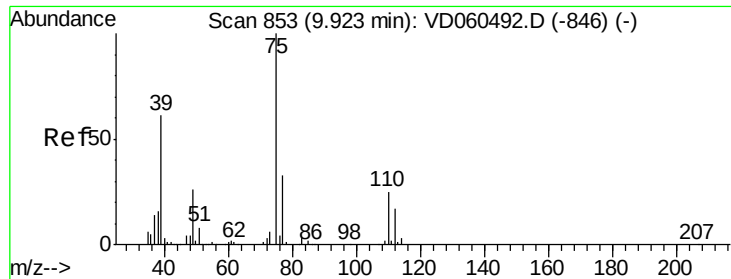
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 19.696 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 75 Resp: 303561

Ion Ratio Lower Upper

75 100

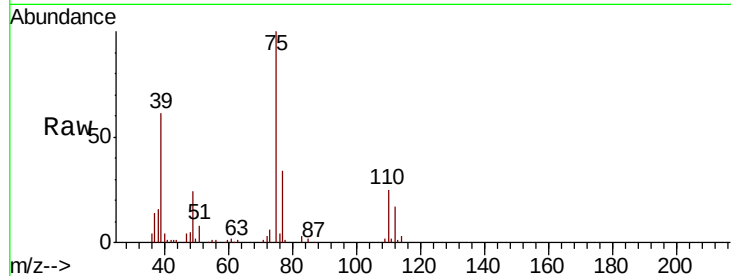
77 33.6 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

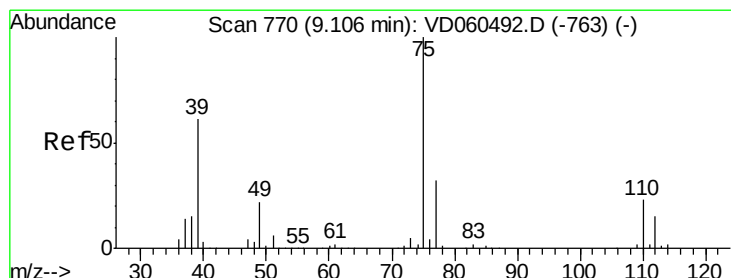
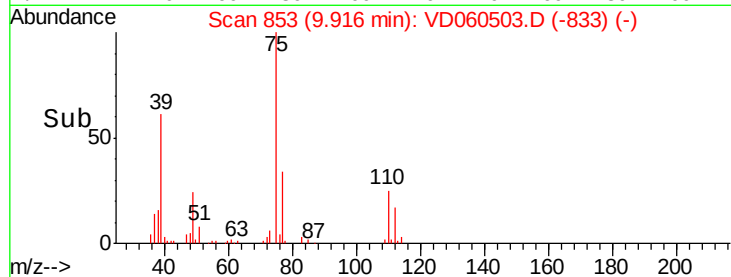
100000

50000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.096 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

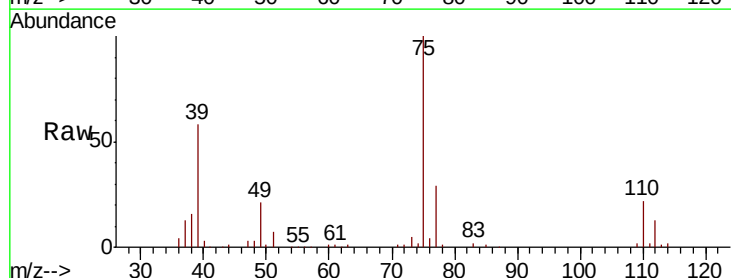
Tgt Ion: 75 Resp: 406937

Ion Ratio Lower Upper

75 100

77 29.4 25.6 38.4

39 58.0 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

250000

200000

150000

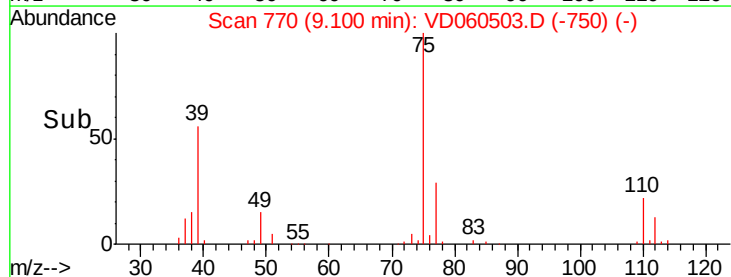
100000

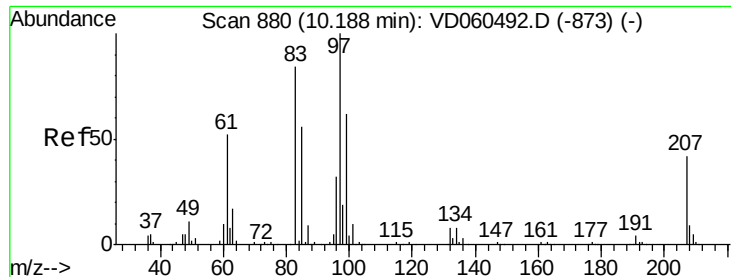
50000

0

9.00 9.10 9.20

Time-->





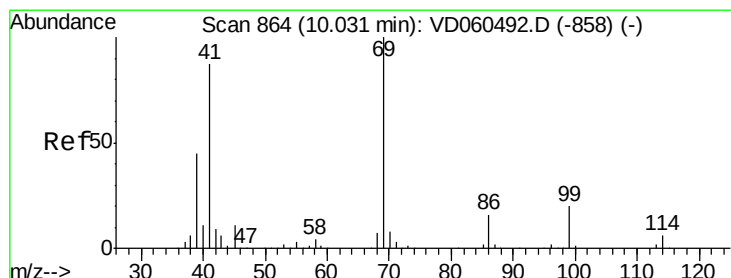
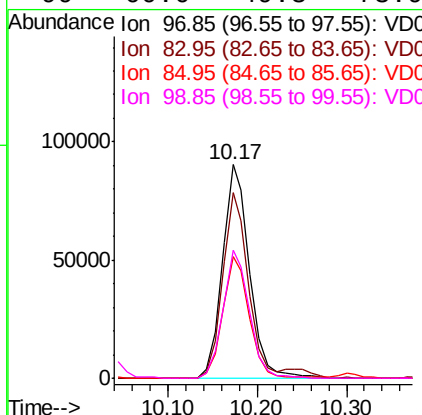
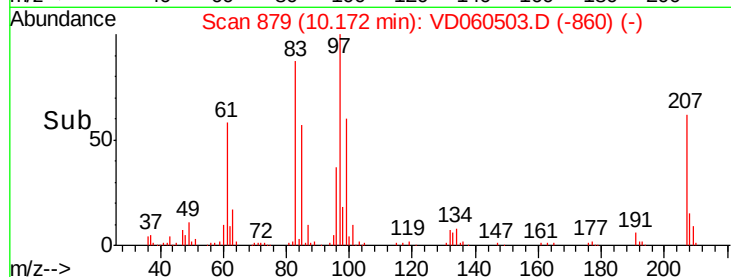
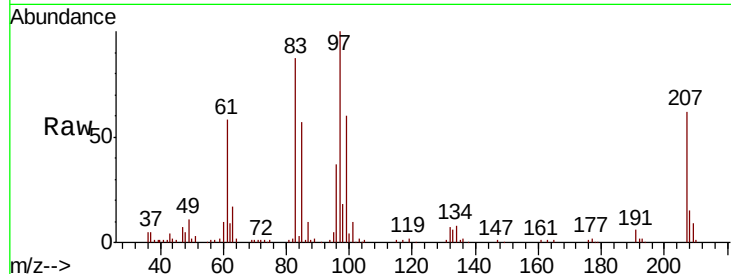
#55
 1,1,2-Trichloroethane
 Concen: 19.995 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	97	Resp	192534
Ion Ratio	Lower	Upper	
97	100		
83	87.2	67.2	100.8
85	57.1	44.5	66.7
99	60.0	49.3	73.9

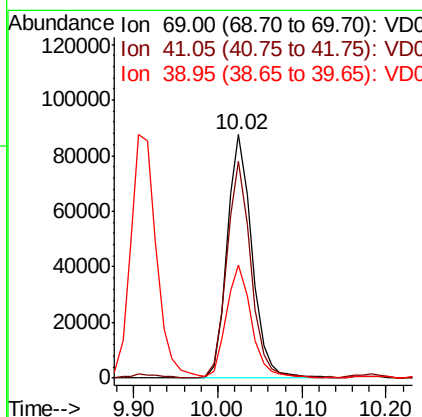
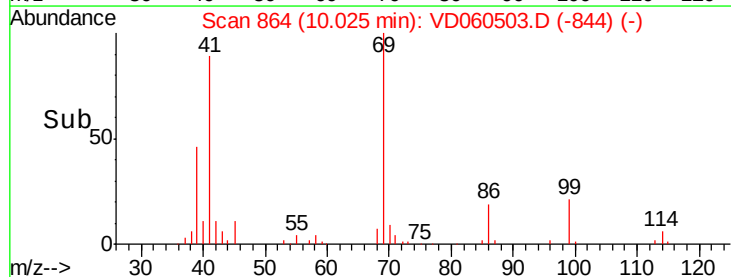
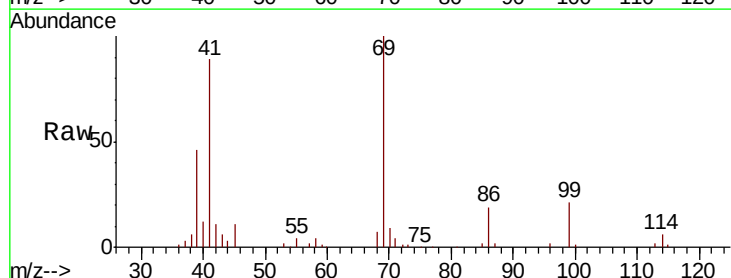
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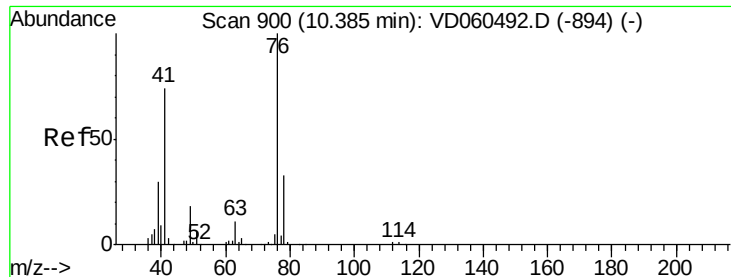
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#56
 Ethyl methacrylate
 Concen: 20.512 ug/l
 RT: 10.02 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	69	Resp	178752
Ion Ratio	Lower	Upper	
69	100		
41	88.9	69.8	104.8
39	46.3	37.5	56.3





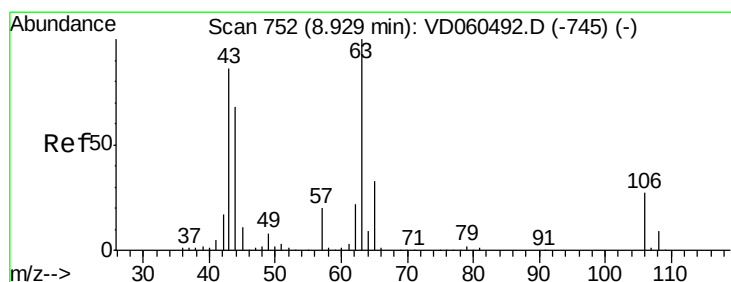
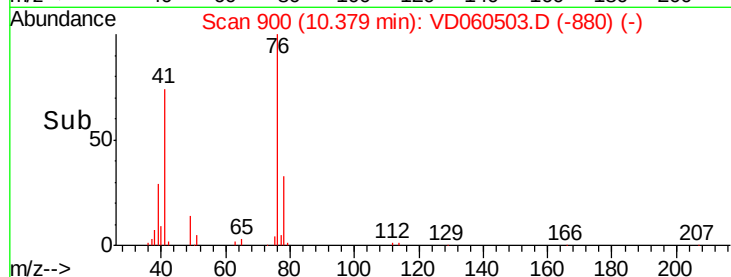
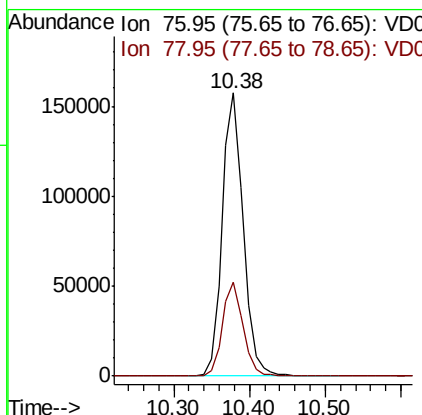
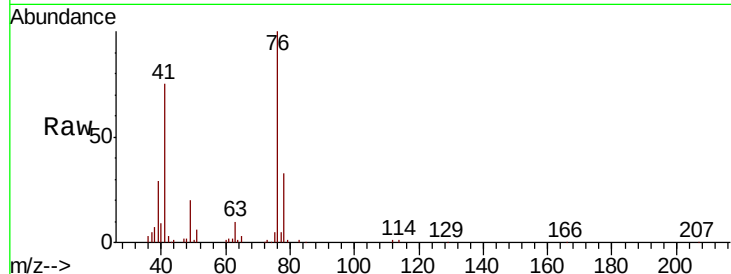
#57
 1,3-Dichloropropane
 Concen: 20.332 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 76 Resp: 302643
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.1 39.1

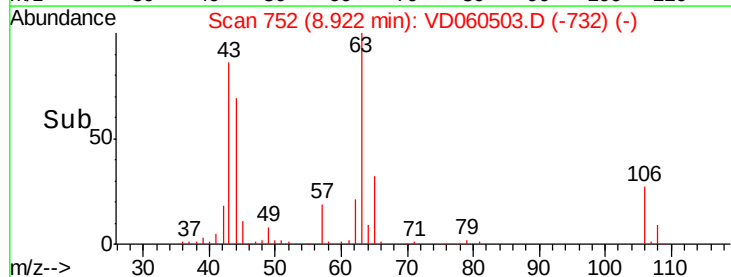
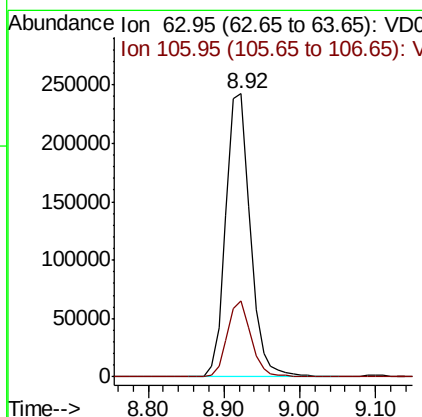
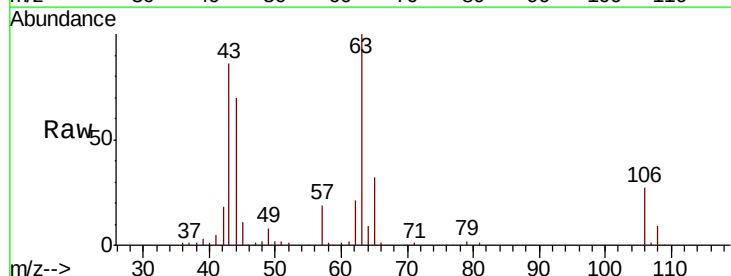
Manual Integrations
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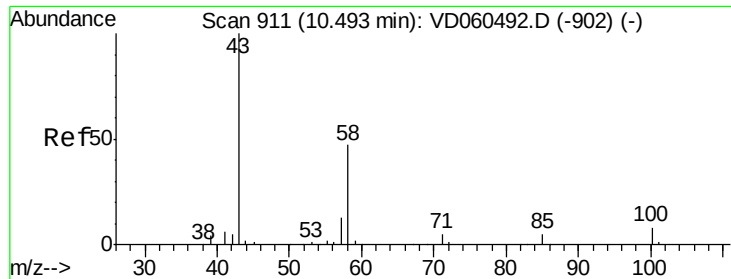
MMDadoda
 12/7/2018 5:03:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.509 ug/l
 RT: 8.92 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion: 63 Resp: 544941
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.6 32.4





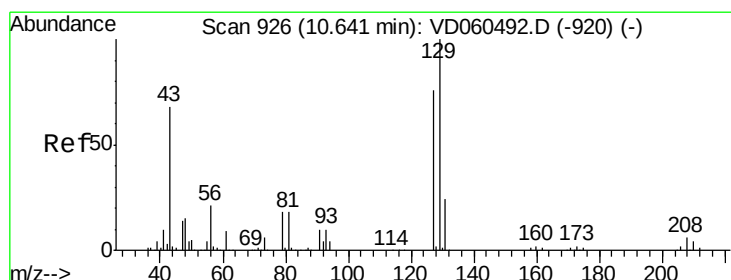
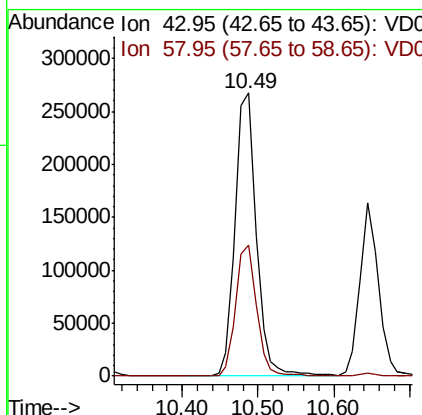
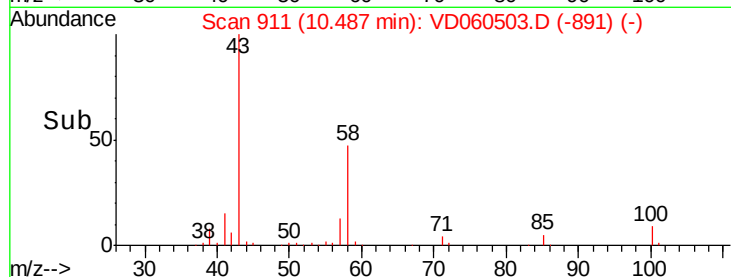
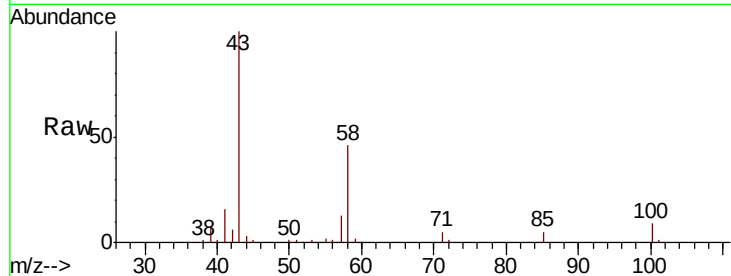
#59
2-Hexanone
Concen: 103.053 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 43 Resp: 519240
Ion Ratio Lower Upper
43 100
58 46.5 23.4 70.2

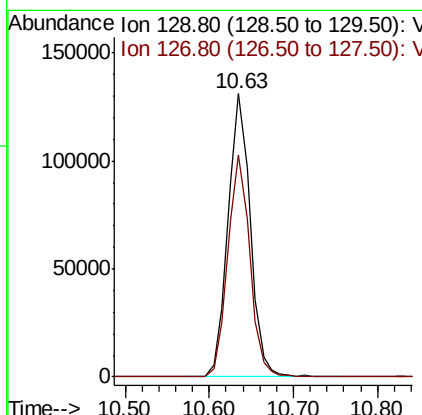
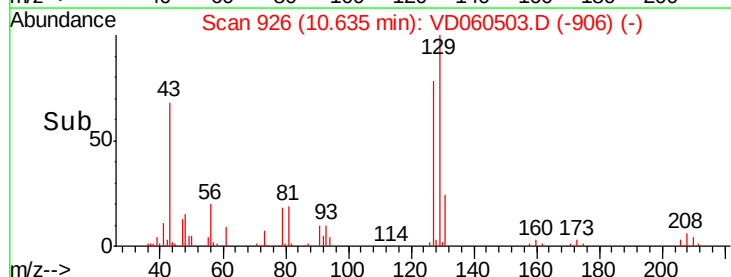
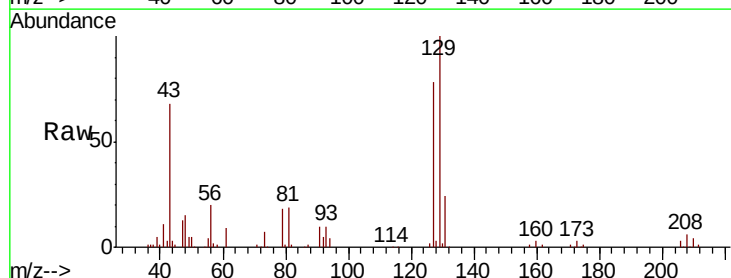
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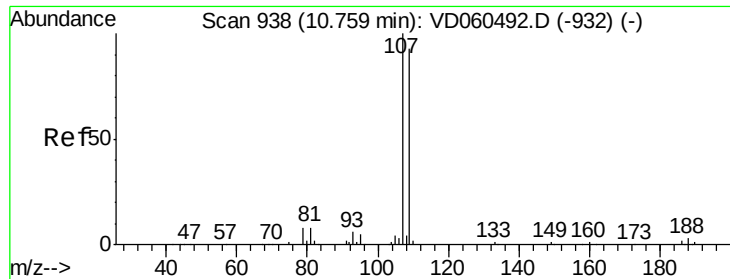
MMDadoda
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#60
Dibromochloromethane
Concen: 20.055 ug/l
RT: 10.63 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion: 129 Resp: 241444
Ion Ratio Lower Upper
129 100
127 78.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.386 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBSD01

Tot Ion:107 Resp: 190230

Ion Ratio Lower Upper

107 100

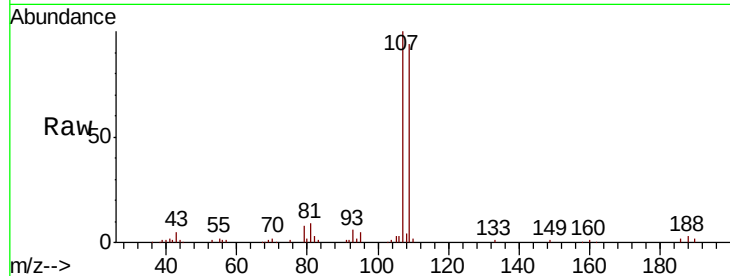
109 93.7 74.7 112.1

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

120000

100000

80000

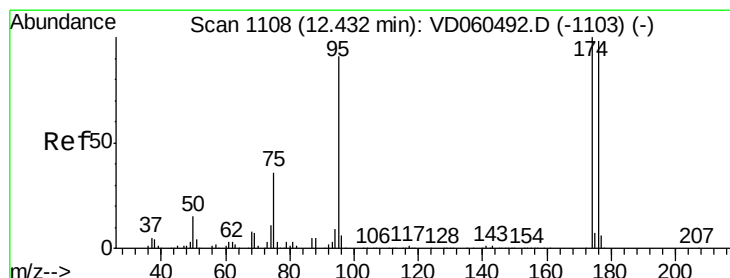
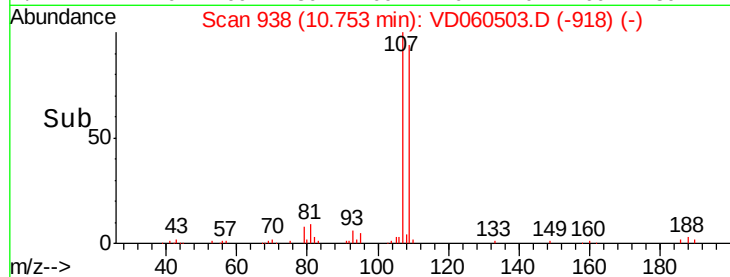
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.386 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

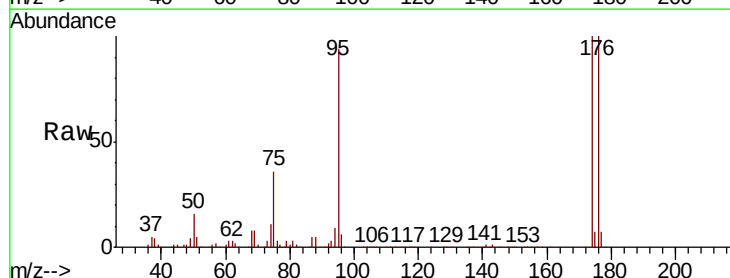
Tgt Ion: 95 Resp: 832840

Ion Ratio Lower Upper

95 100

174 106.7 0.0 219.4

176 106.3 0.0 214.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

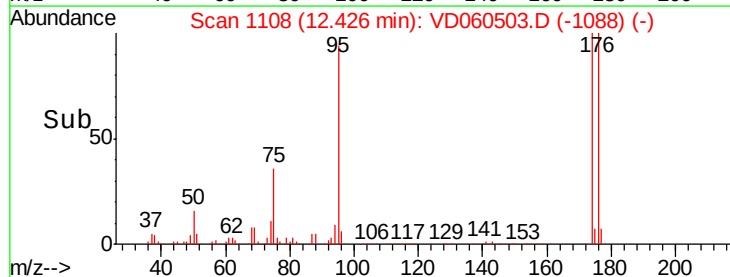
600000

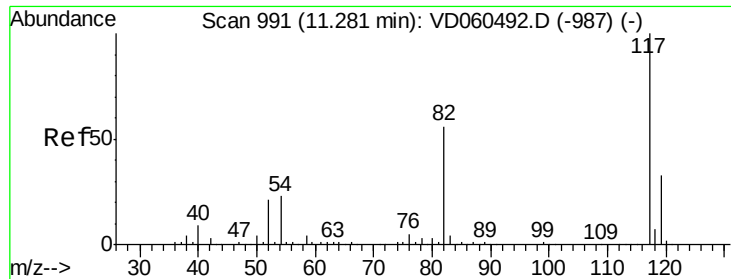
400000

200000

0

Time-->





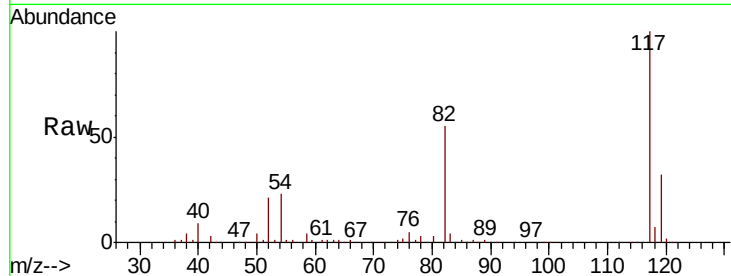
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

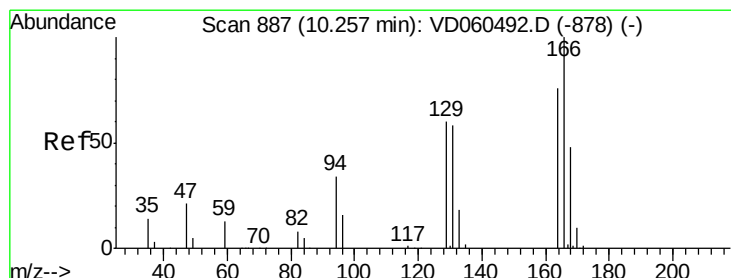
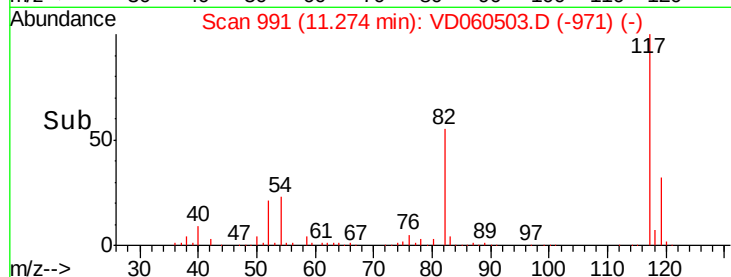
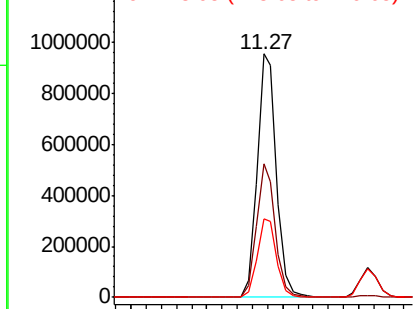
Tot Ion:117 Resp: 1702626
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.3 26.1 39.1

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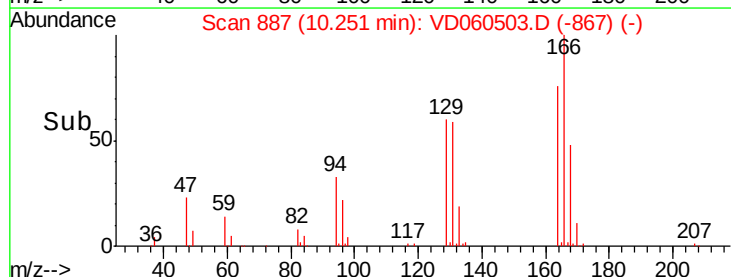
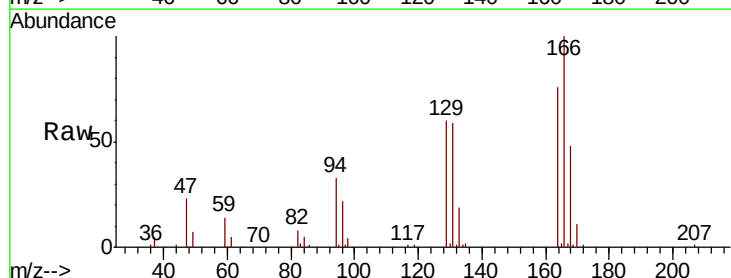
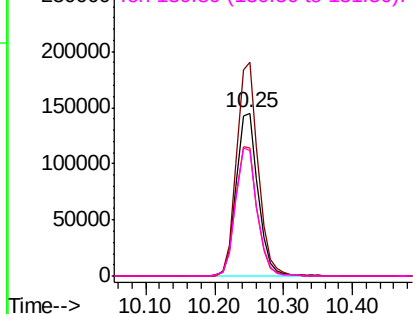
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

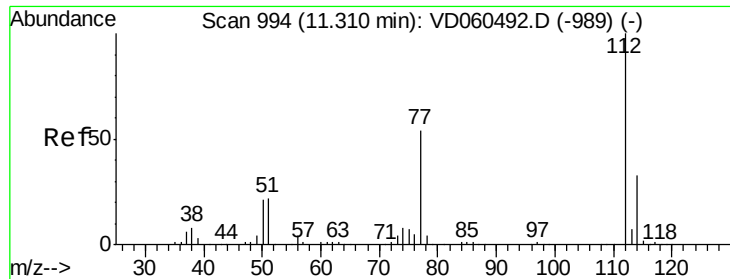


#64
Tetrachloroethene
Concen: 21.098 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion:164 Resp: 318083
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 78.8 63.0 94.4
131 76.8 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





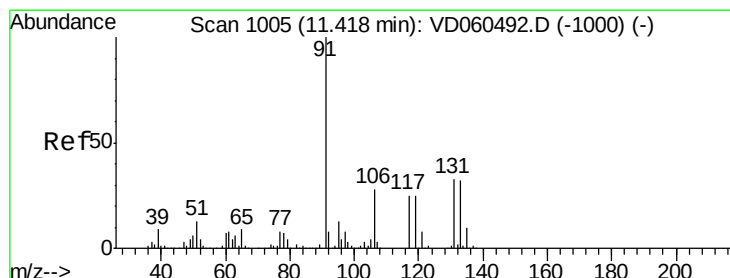
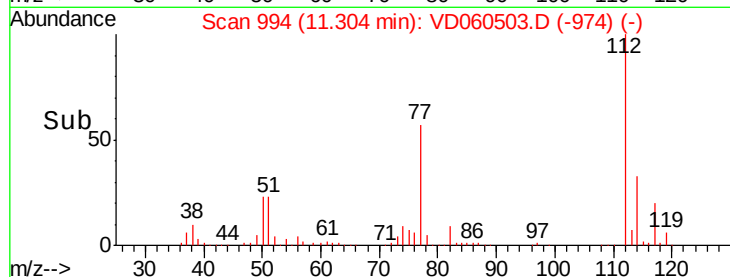
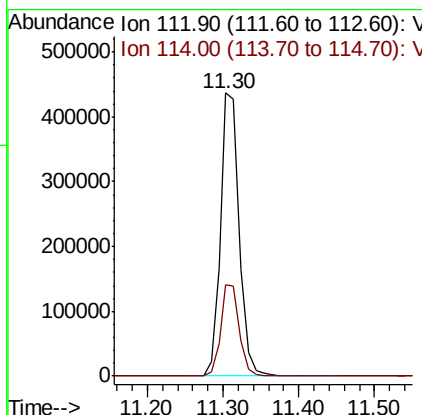
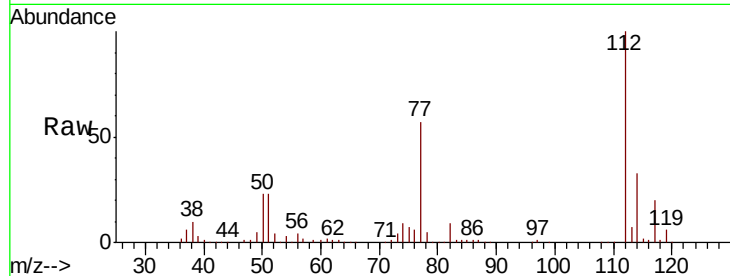
#65
Chlorobenzene
Concen: 20.932 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Tot Ion:112 Resp: 753968
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

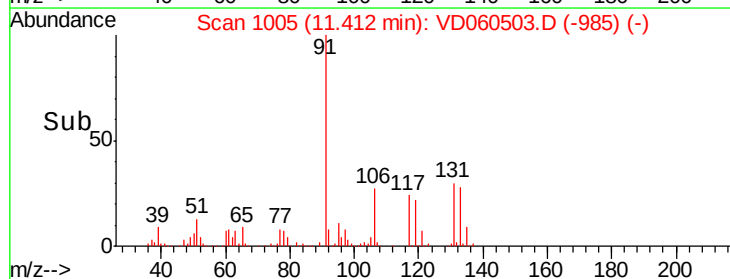
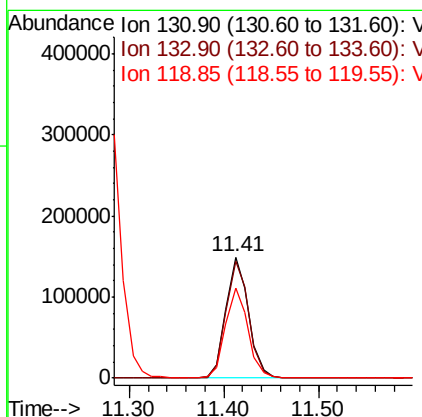
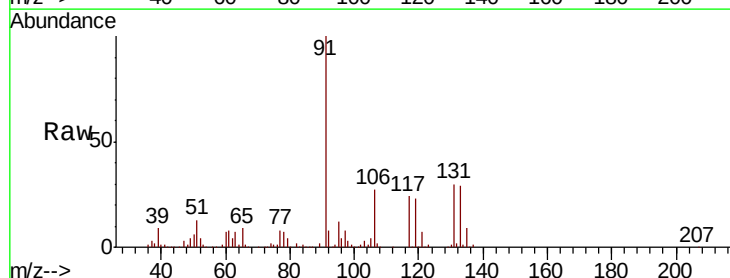
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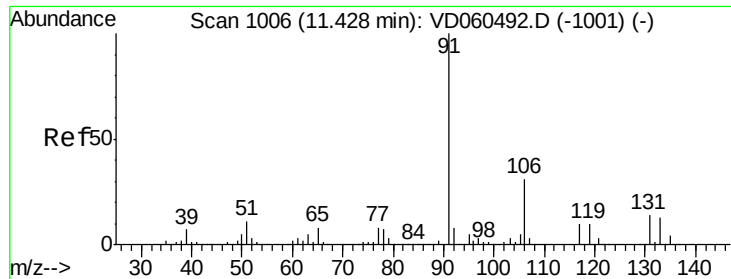
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.189 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion:131 Resp: 246002
Ion Ratio Lower Upper
131 100
133 96.6 49.1 147.3
119 74.9 37.5 112.3





#67

Ethyl Benzene

Concen: 21.937 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 91 Resp: 1347779

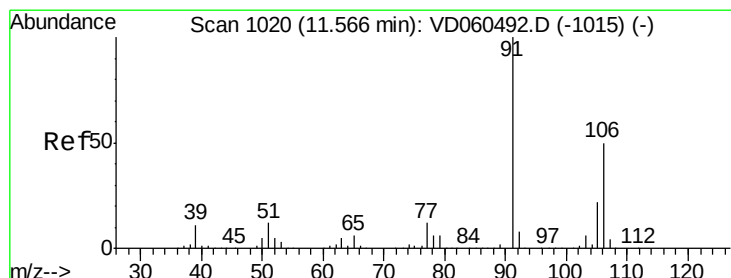
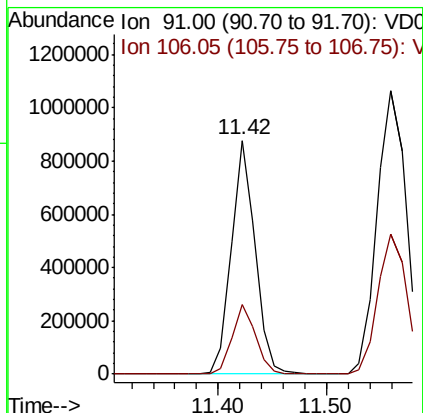
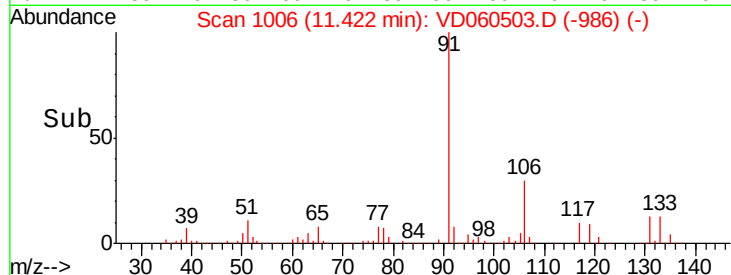
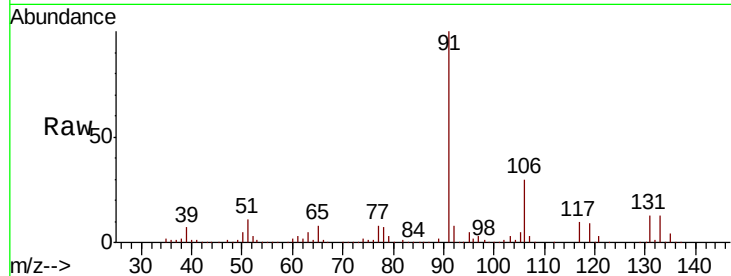
Ion Ratio Lower Upper

91 100

106 30.0 24.6 37.0

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#68

m/p-Xylenes

Concen: 43.377 ug/l

RT: 11.56 min Scan# 1020

Delta R.T. -0.01 min

Lab File: VD060503.D

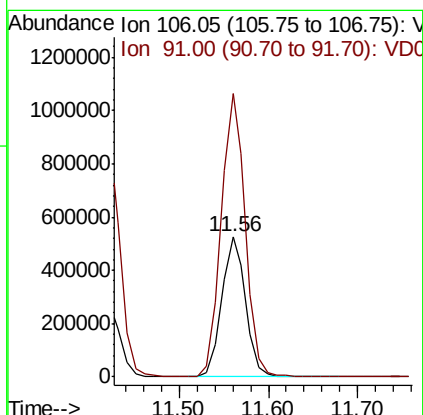
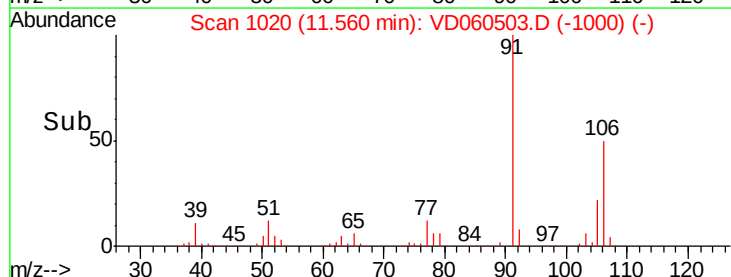
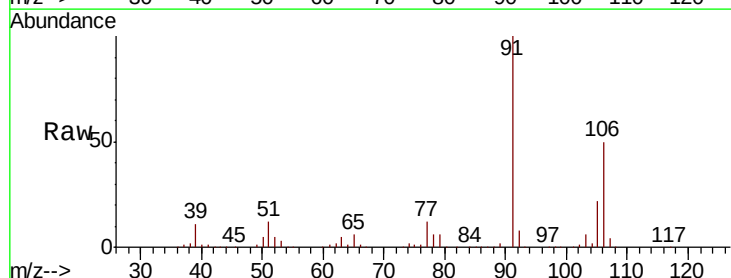
Acq: 6 Dec 2018 14:11

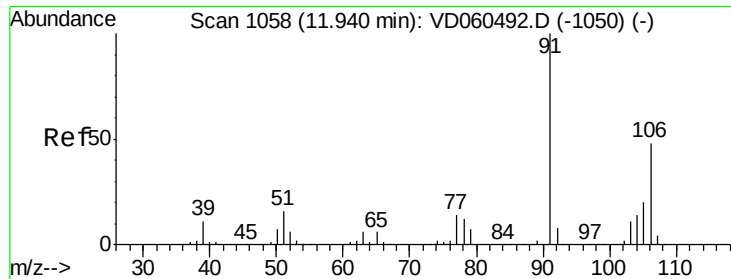
Tgt Ion: 106 Resp: 985946

Ion Ratio Lower Upper

106 100

91 201.9 160.5 240.7





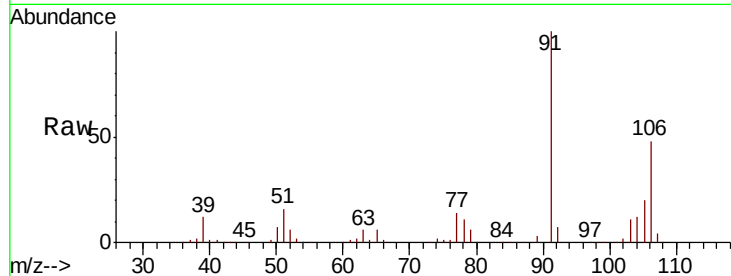
#69
o-Xylene
Concen: 21.323 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

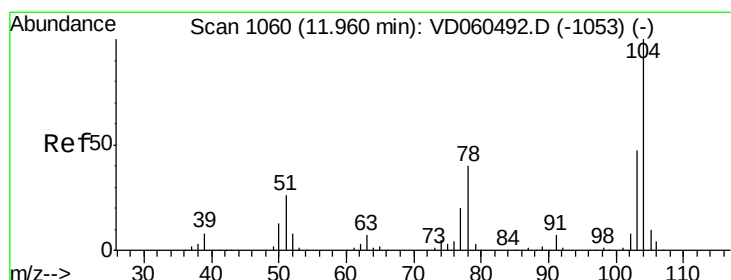
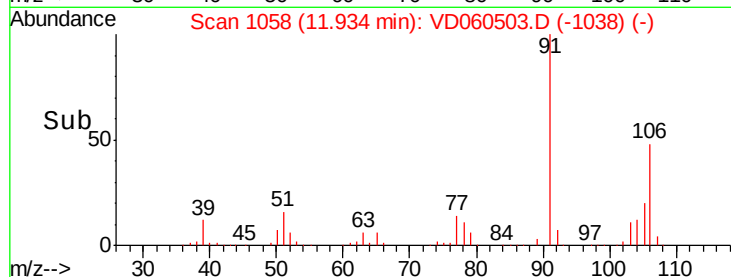
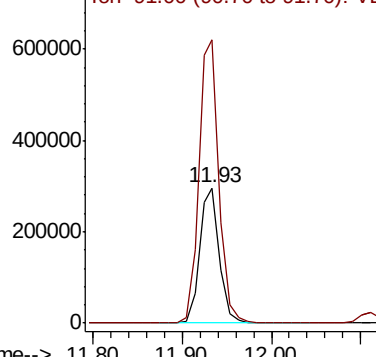
Tot Ion:106 Resp: 461891
Ion Ratio Lower Upper
106 100
91 209.5 103.4 310.1

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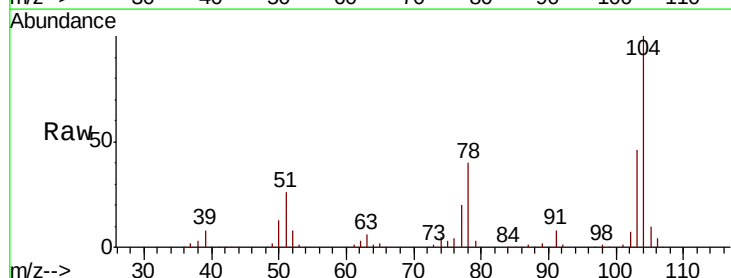


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

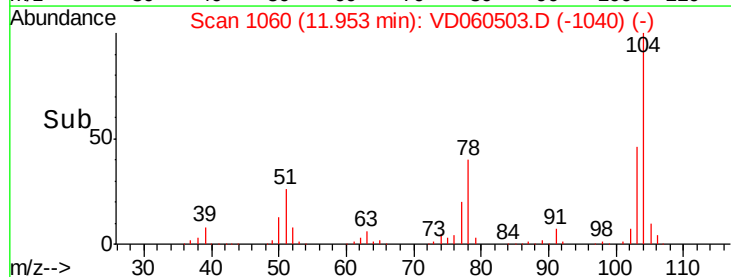
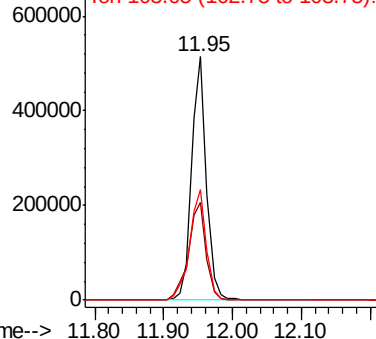


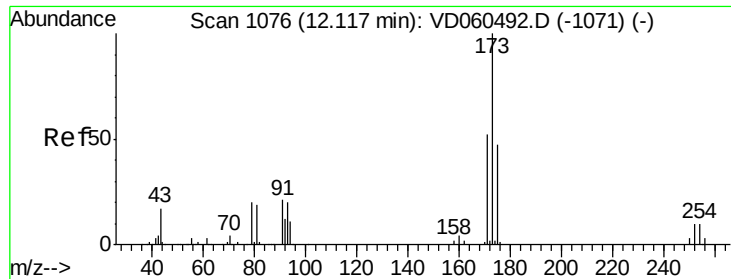
#70
Styrene
Concen: 21.868 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion:104 Resp: 760344
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 45.6 37.2 55.8



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





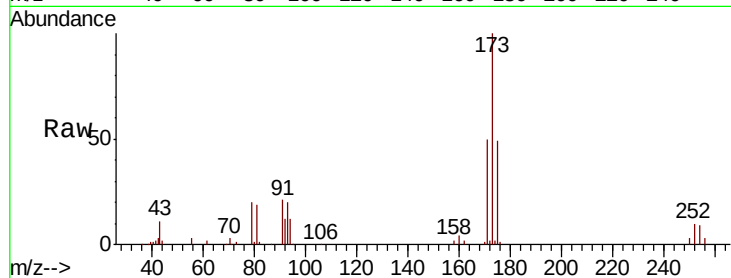
#71
Bromoform
Concen: 19.805 ug/l
RT: 12.11 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

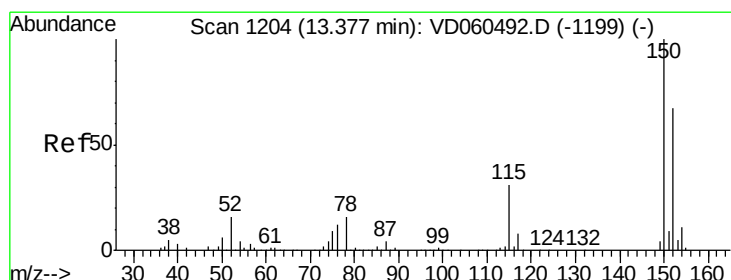
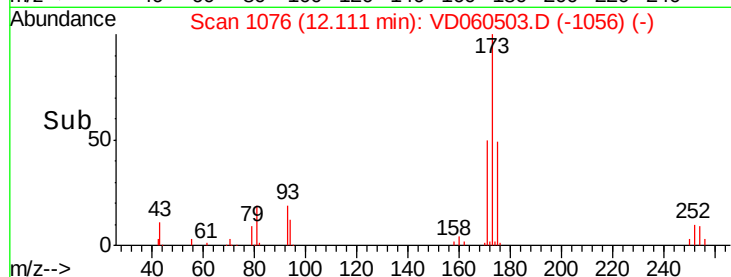
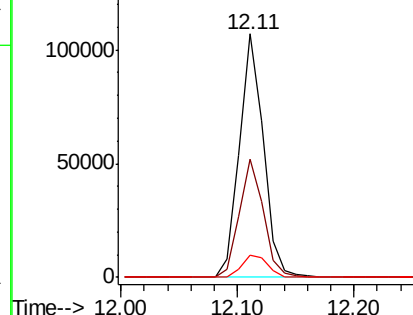
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.5	70.6
254	9.1	7.8	11.8

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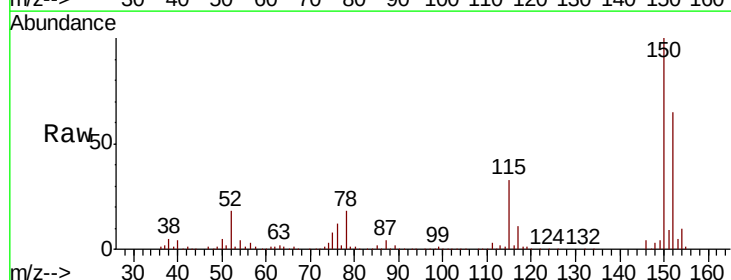


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

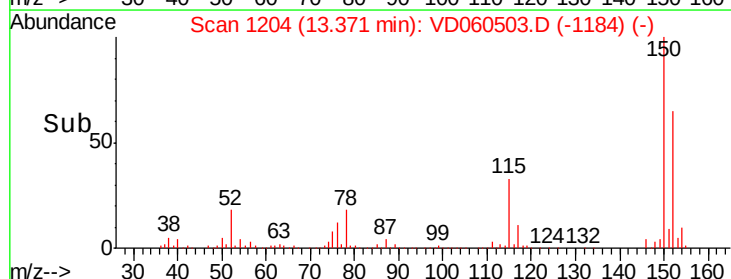
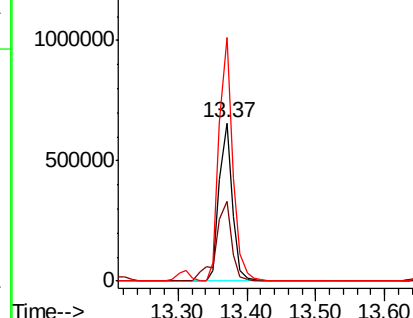


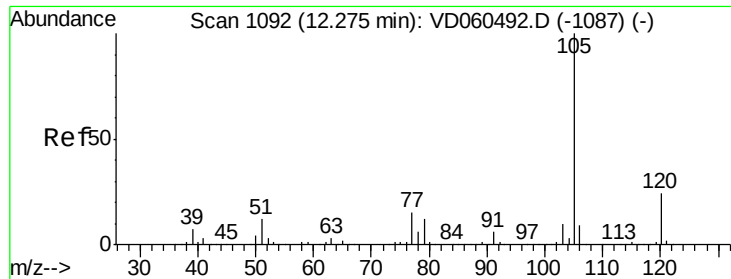
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.1	24.6	74.0
150	153.9	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





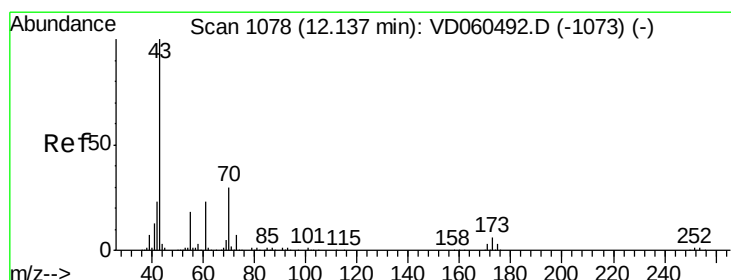
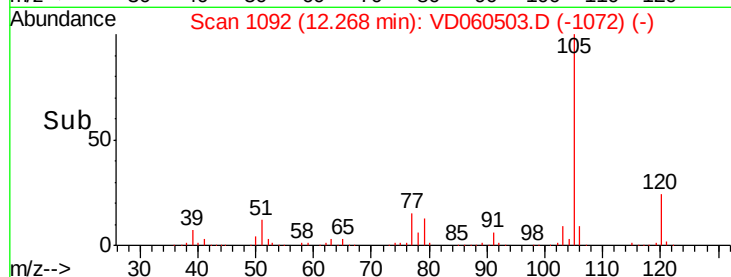
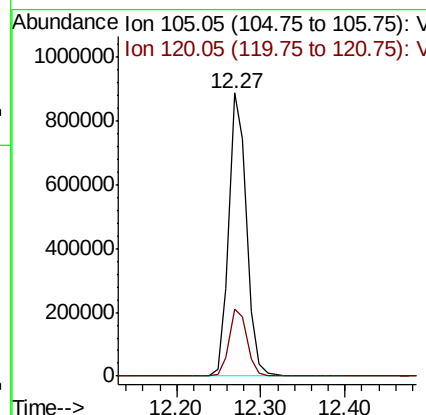
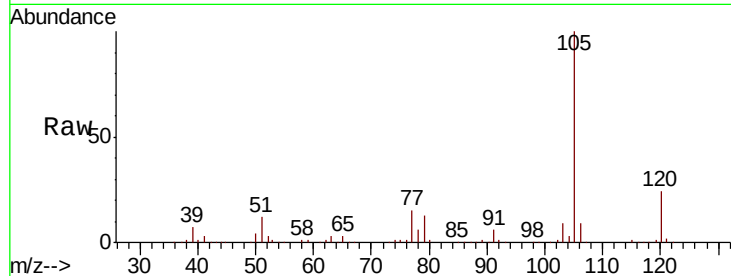
#73
Isopropylbenzene
Concen: 21.156 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Tot Ion:105 Resp: 1296494
Ion Ratio Lower Upper
105 100
120 23.9 11.9 35.9

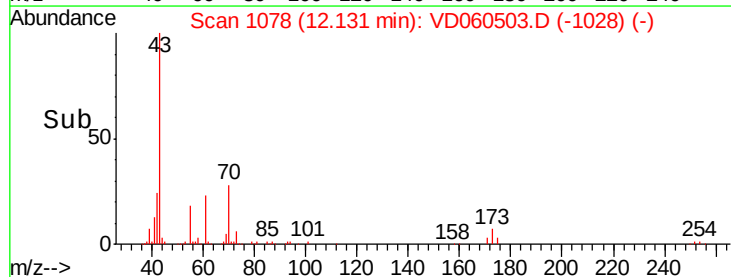
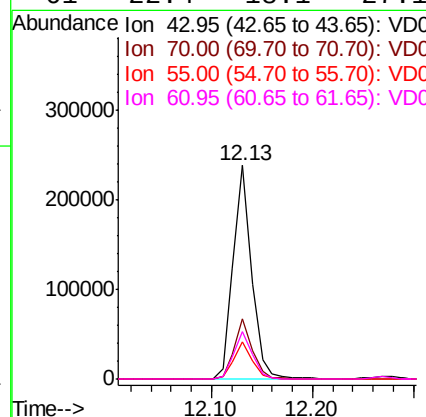
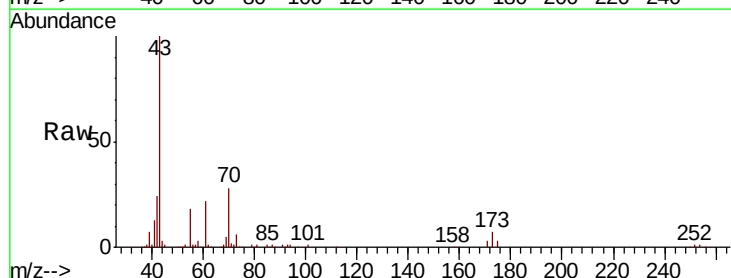
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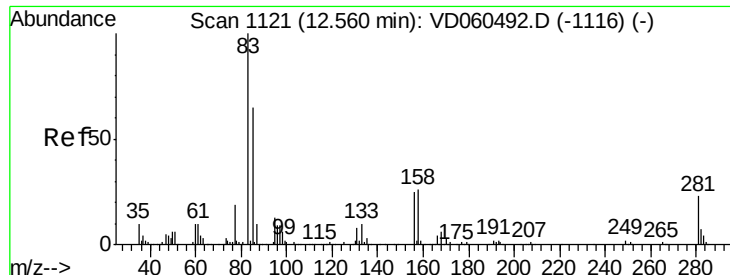
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#74
N-ethyl acetate
Concen: 20.551 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion: 43 Resp: 304376
Ion Ratio Lower Upper
43 100
70 28.3 23.8 35.8
55 17.7 14.2 21.2
61 22.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.707 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 83 Resp: 193347
Ion Ratio Lower Upper

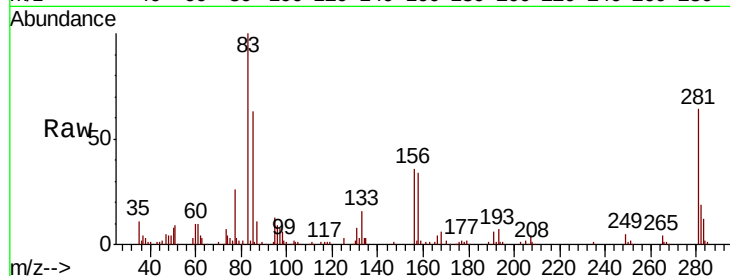
83 100

131 7.9 3.8 11.4

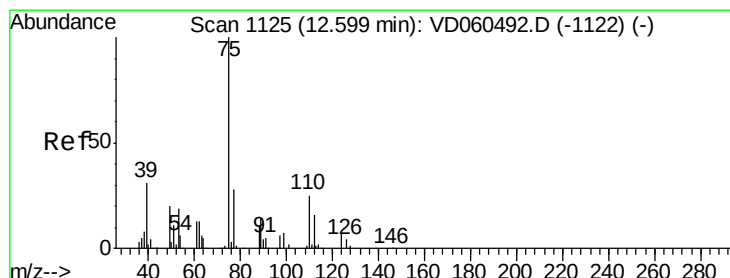
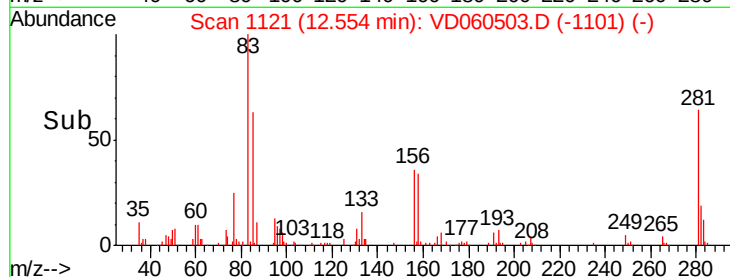
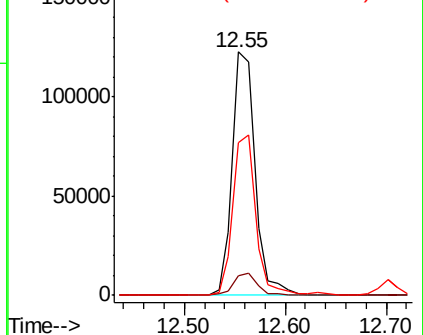
85 62.7 32.3 96.9

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



#76

1,2,3-Trichloropropane

Concen: 20.402 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

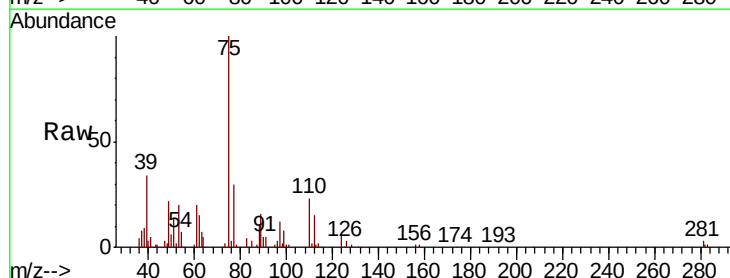
Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

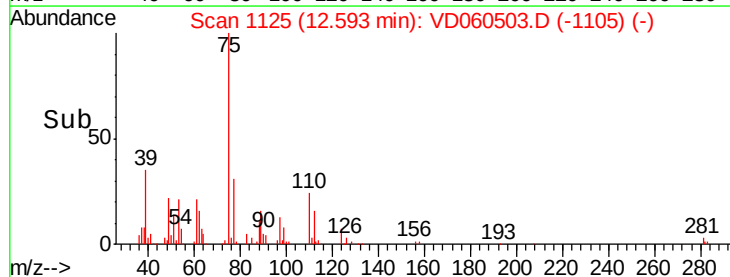
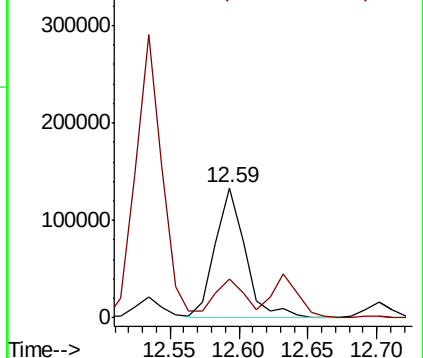
Tgt Ion: 75 Resp: 200197
Ion Ratio Lower Upper

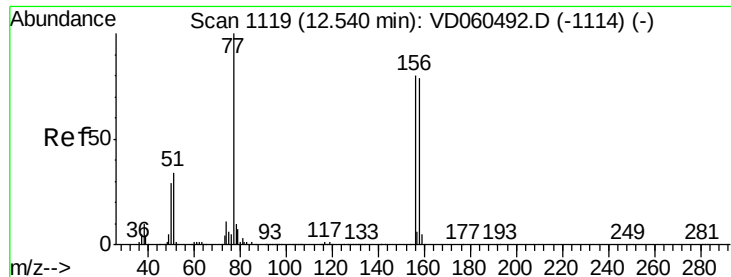
75 100

77 30.2 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: 19.931 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Instrument :

MSVOA_D

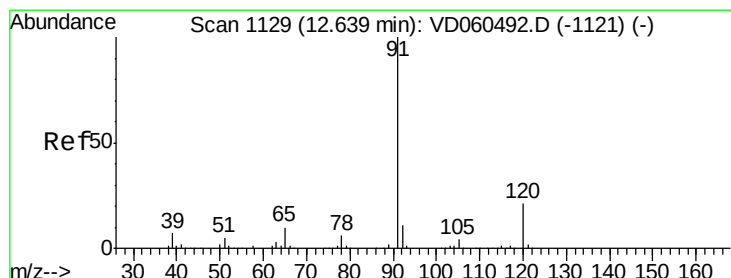
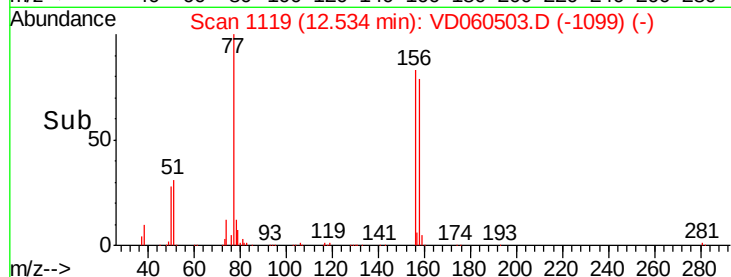
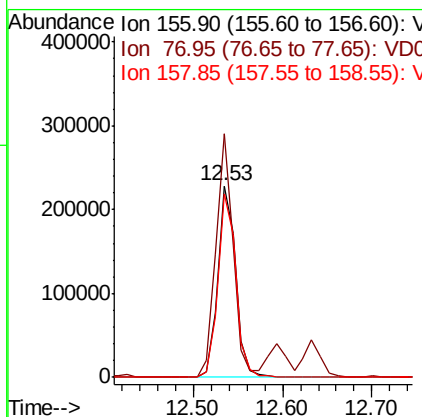
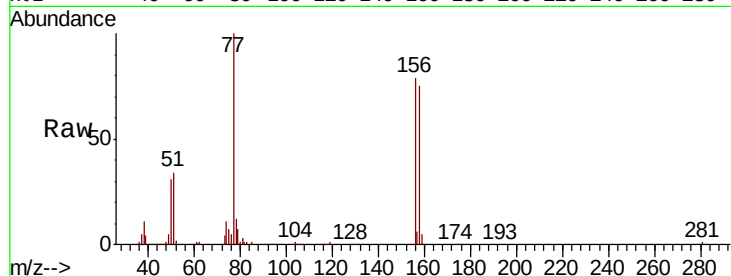
ClientSampleId :

VD1206SBS01

Tot Ion:	156	Resp:	321057
Ion Ratio	Lower	Upper	
156	100		
77	127.1	62.5	187.6
158	95.9	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.978 ug/l

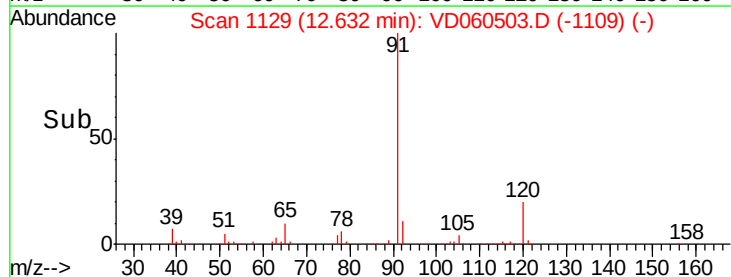
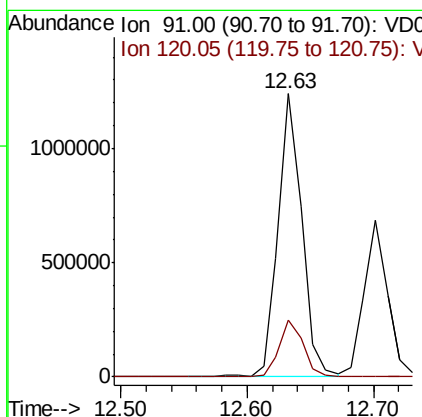
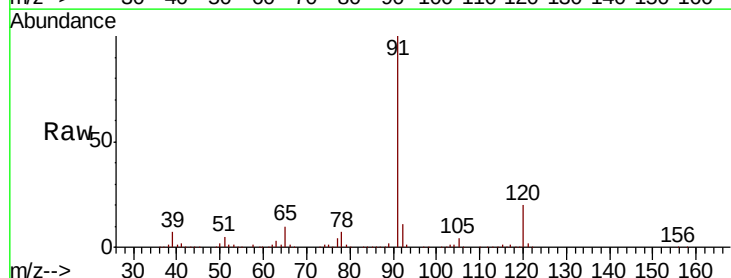
RT: 12.63 min Scan# 1129

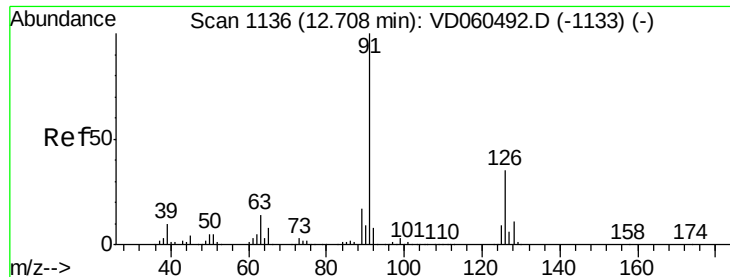
Delta R.T. -0.01 min

Lab File: VD060503.D

Acq: 6 Dec 2018 14:11

Tgt Ion:	91	Resp:	1625121
Ion Ratio	Lower	Upper	
91	100		
120	20.3	10.4	31.1





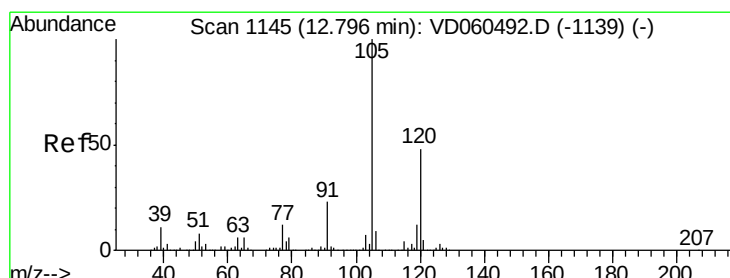
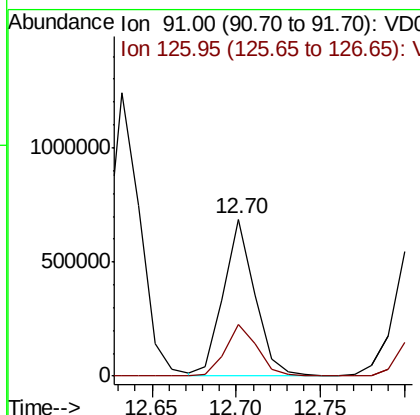
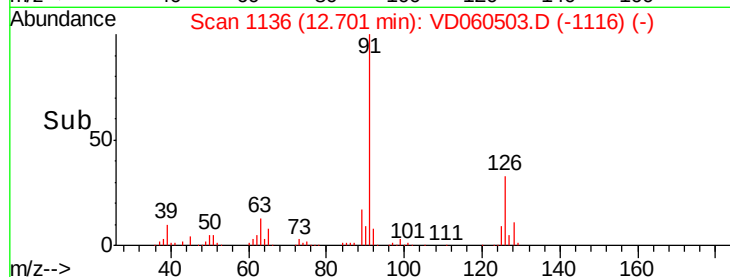
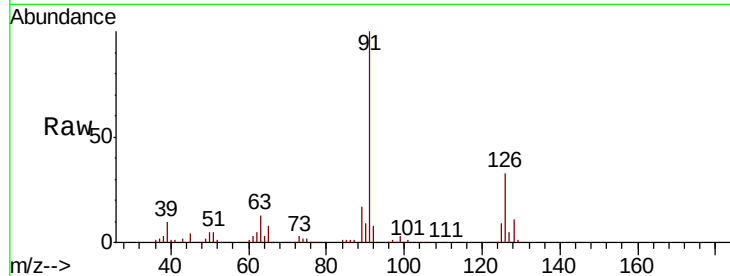
#79
 2-Chlorotoluene
 Concen: 21.173 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 91 Resp: 890040
 Ion Ratio Lower Upper
 91 100
 126 32.9 17.3 52.0

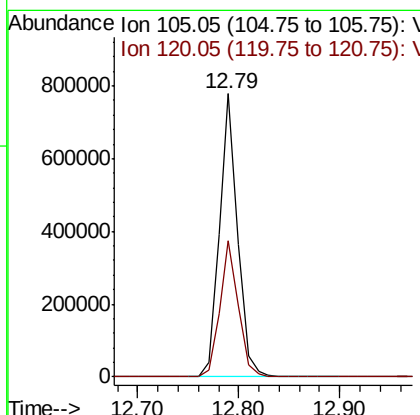
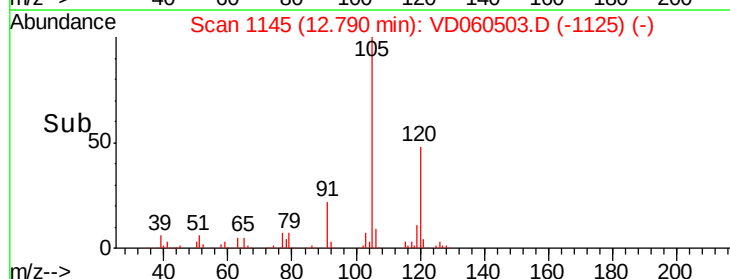
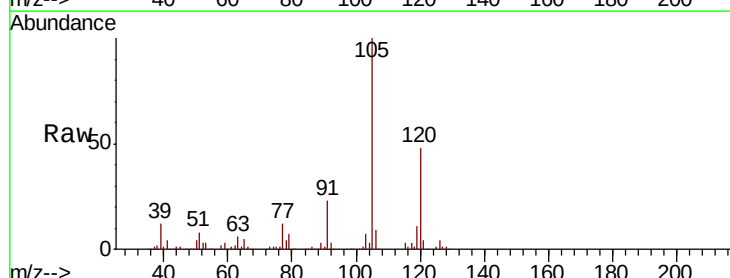
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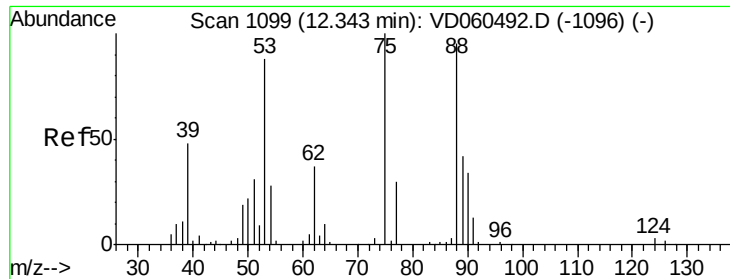
MMDadoda
 12/7/2018 5:03:35 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.978 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion: 105 Resp: 982327
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.2 72.6





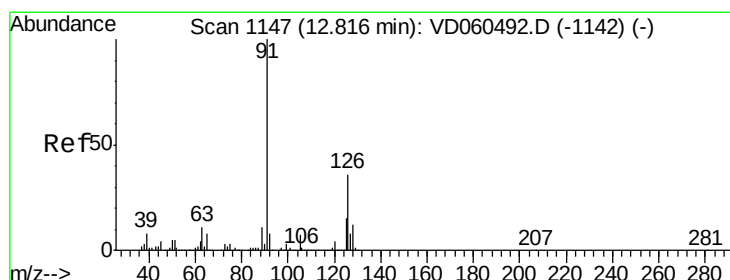
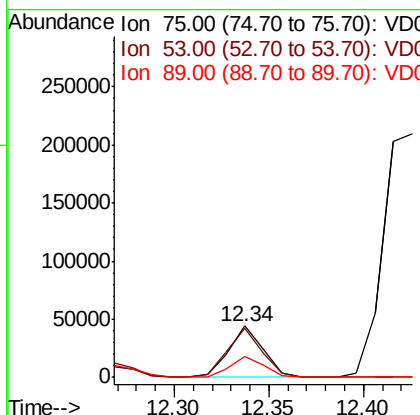
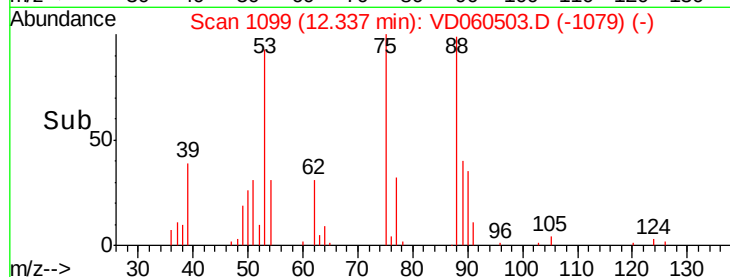
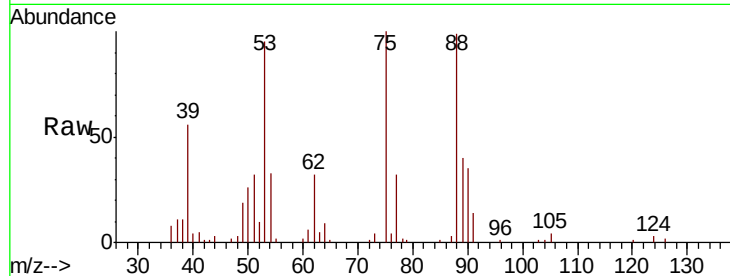
#81
trans-1,4-Dichloro-2-butene
Concen: 20.286 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.2	70.5	105.7
89	39.8	33.6	50.4

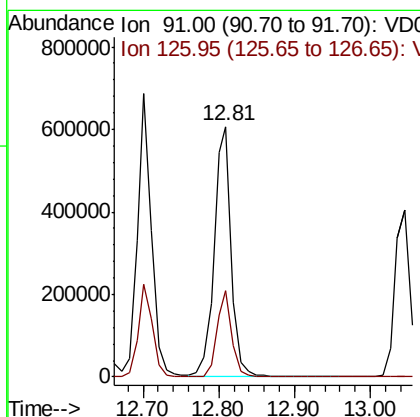
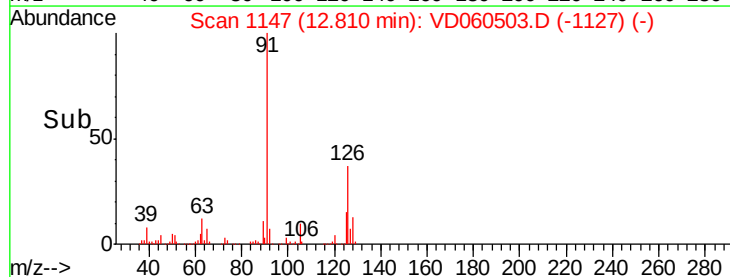
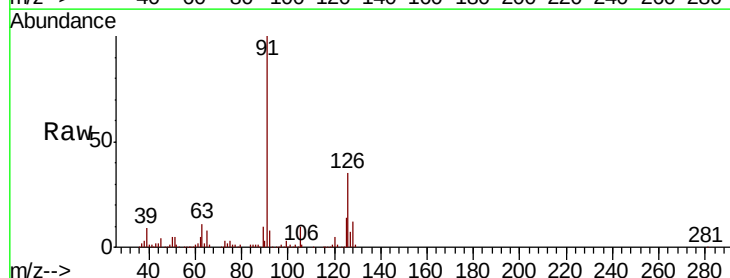
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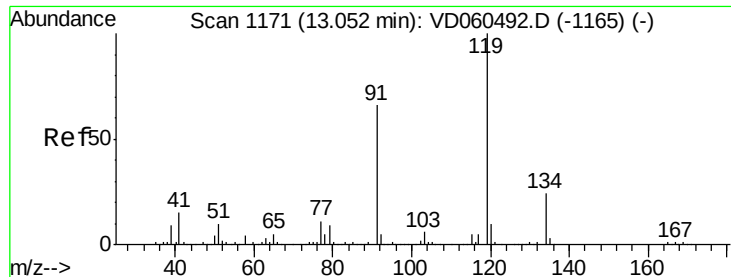
MMDadoda
12/7/2018 5:03:35 PM



#82
4-Chlorotoluene
Concen: 20.290 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.4





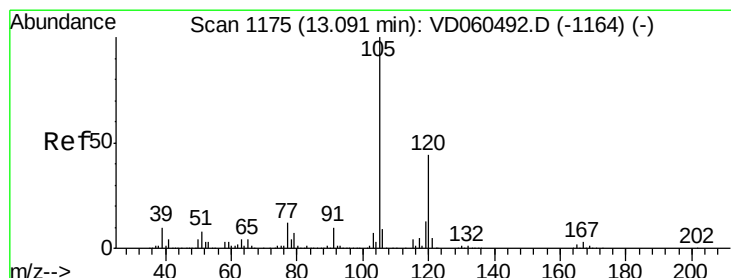
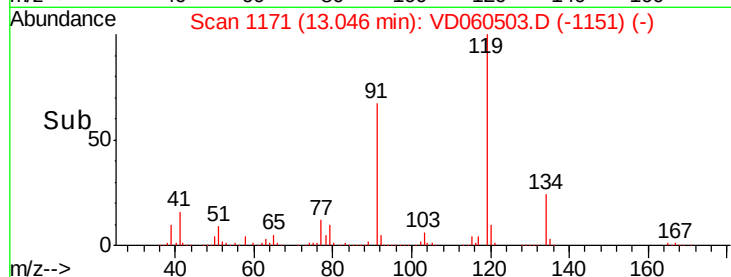
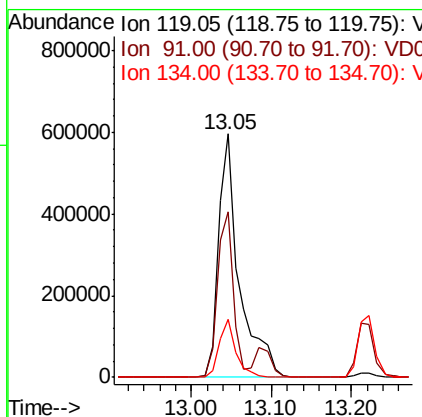
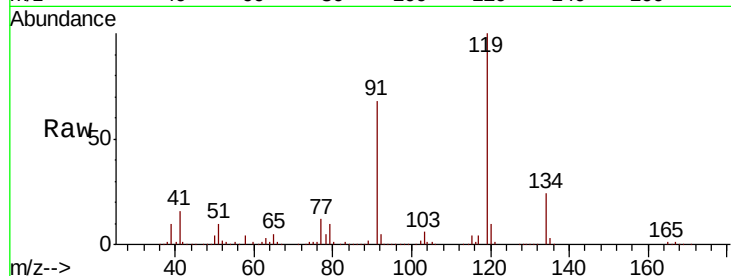
#83
 tert-Butylbenzene
 Concen: 20.836 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

Tot Ion:119 Resp: 1093952
 Ion Ratio Lower Upper
 119 100
 91 67.9 33.1 99.2
 134 24.0 12.0 36.0

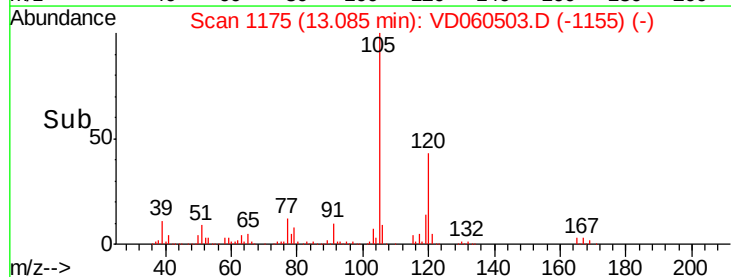
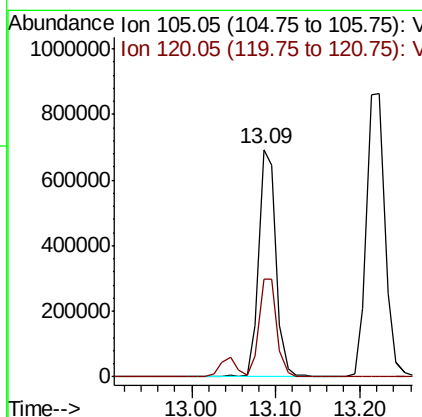
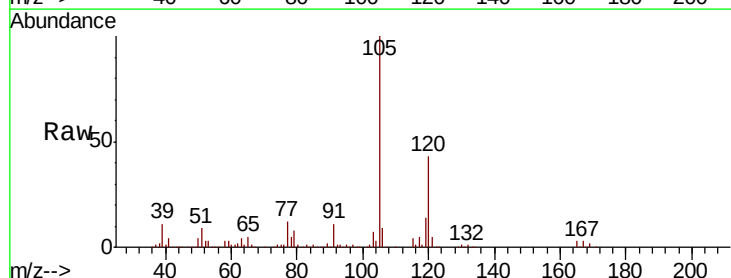
Manual Integrations
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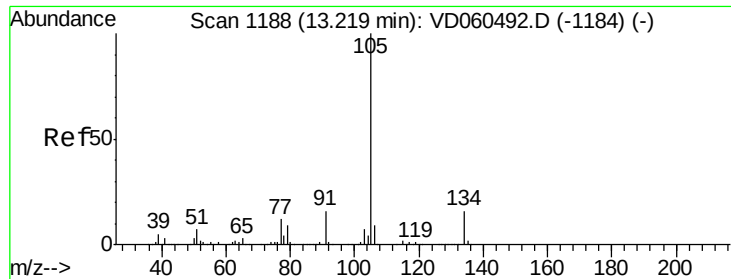
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 12/7/2018 5:03:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.779 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion:105 Resp: 1007508
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.3 66.8





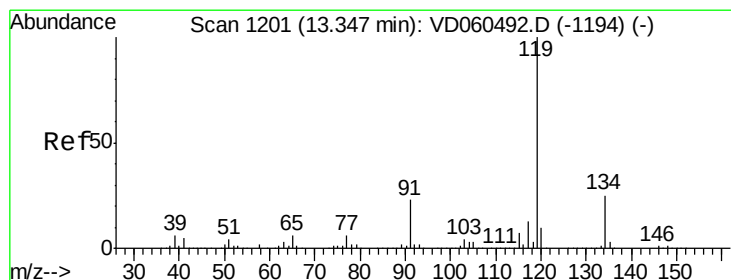
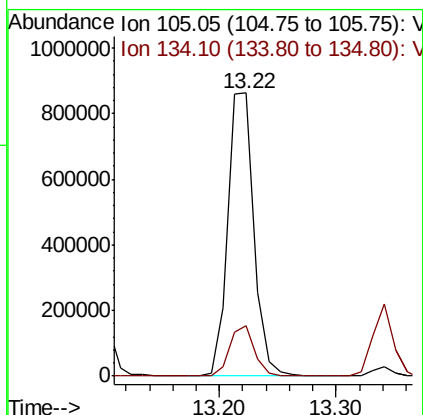
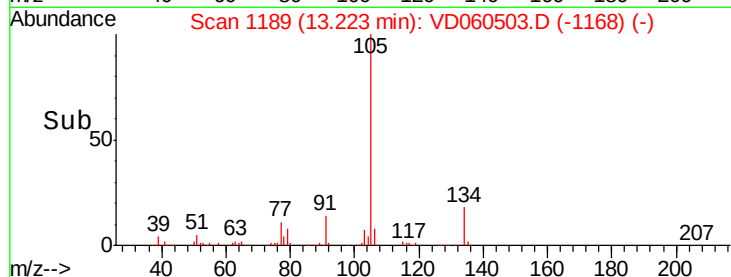
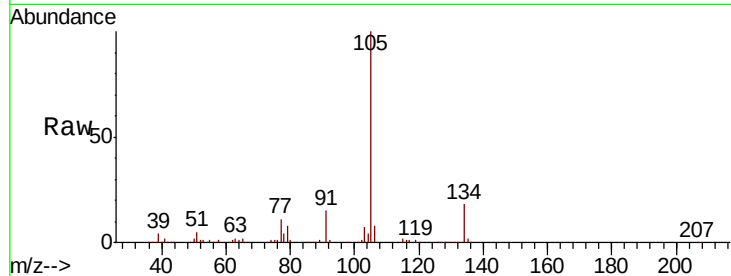
#85
 sec-Butylbenzene
 Concen: 20.367 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

Tot Ion:105 Resp: 1332816
 Ion Ratio Lower Upper
 105 100
 134 17.6 7.9 23.7

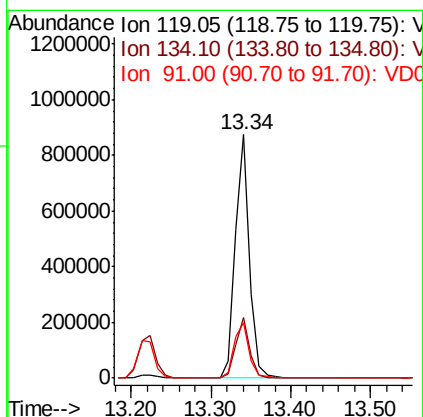
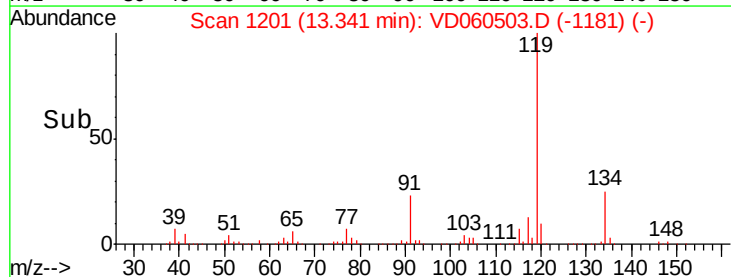
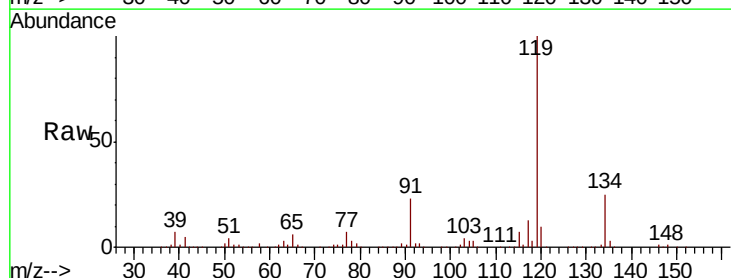
Manual Integrations
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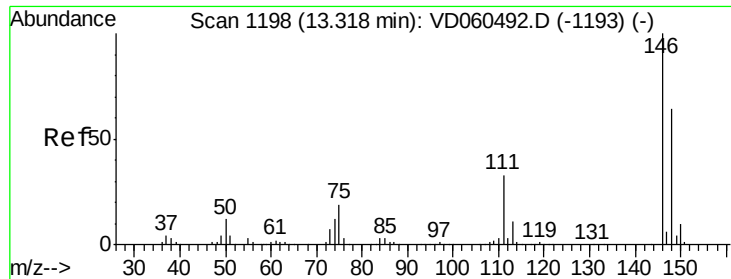
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.914 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion:119 Resp: 1084930
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 22.7 11.5 34.4





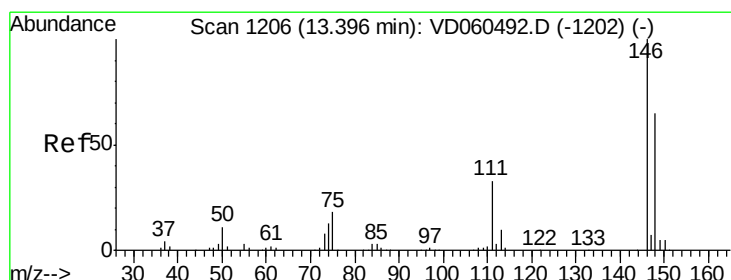
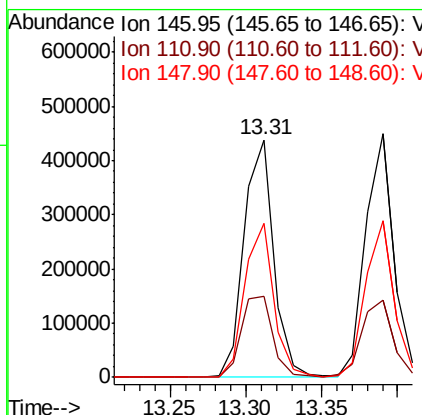
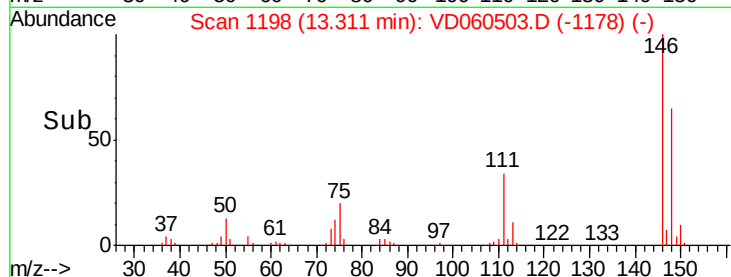
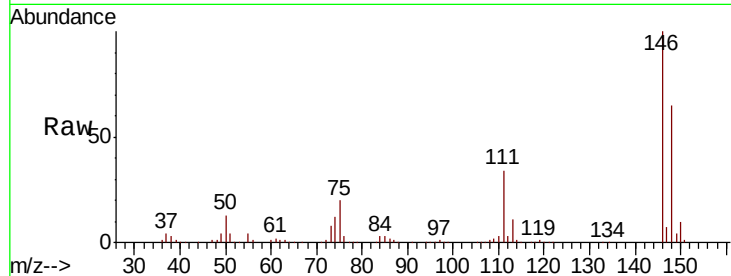
#87
 1,3-Dichlorobenzene
 Concen: 20.455 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	16.5	49.5
148	65.0	32.3	96.8

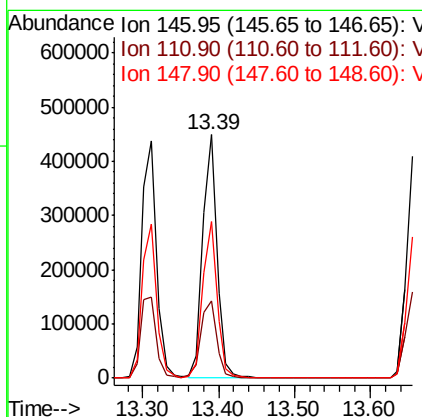
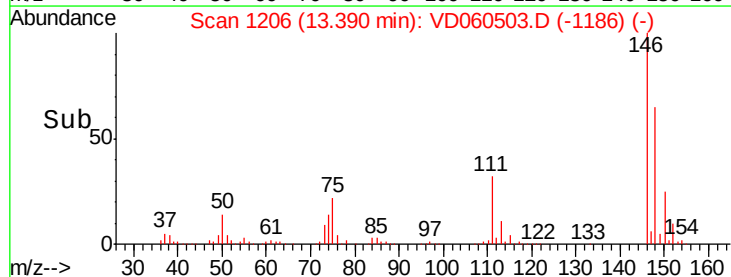
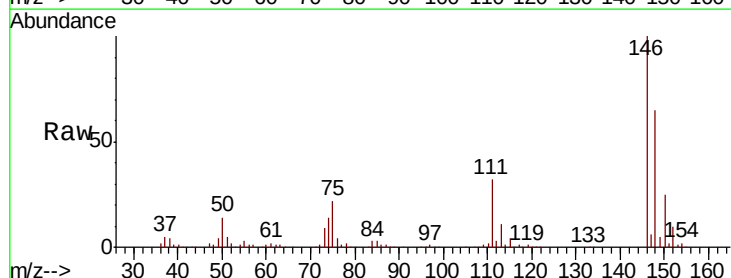
Manual Integrations
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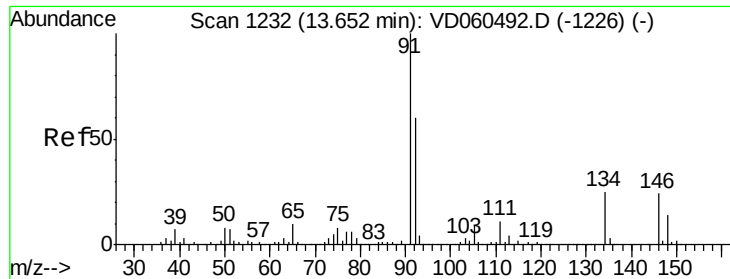
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#88
 1,4-Dichlorobenzene
 Concen: 20.586 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.9	16.4	49.1
148	64.6	32.6	98.0





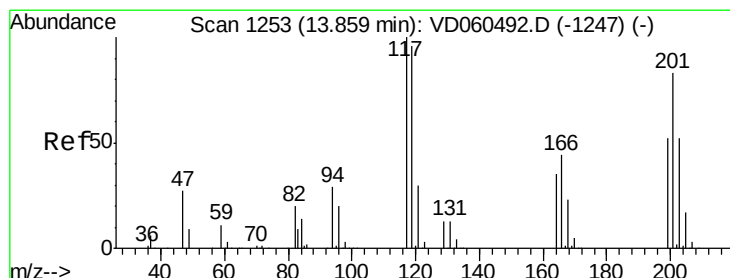
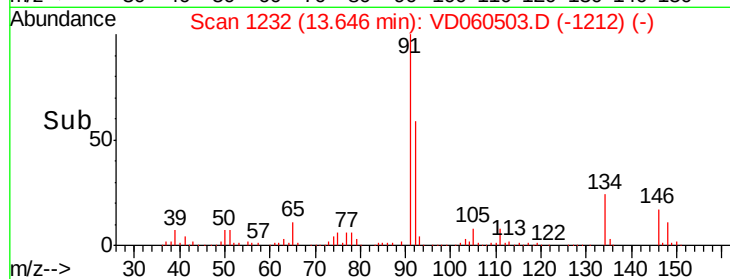
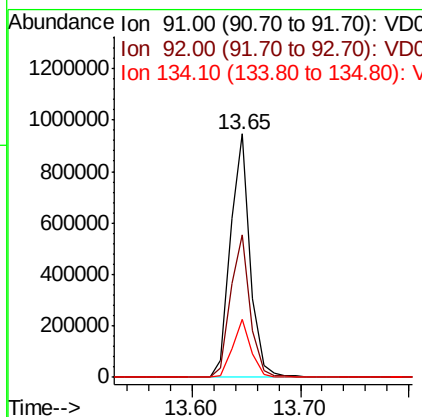
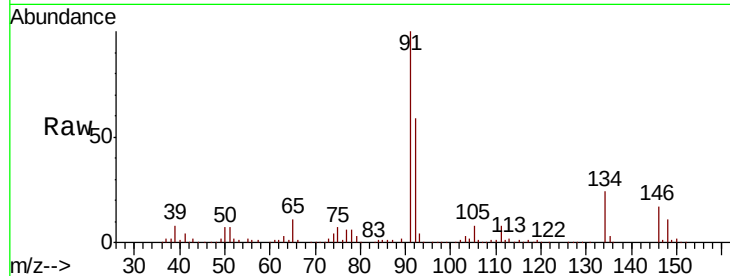
#89
n-Butylbenzene
Concen: 20.638 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 91 Resp: 1189366
Ion Ratio Lower Upper
91 100
92 58.7 30.0 90.1
134 23.8 12.5 37.5

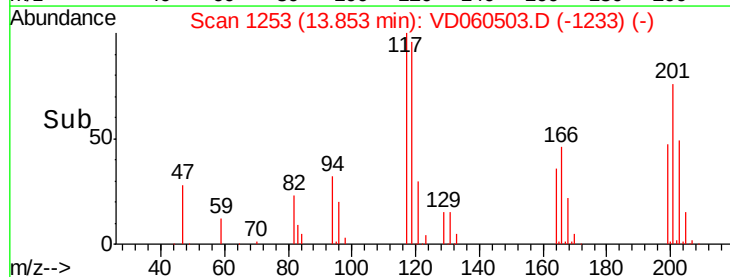
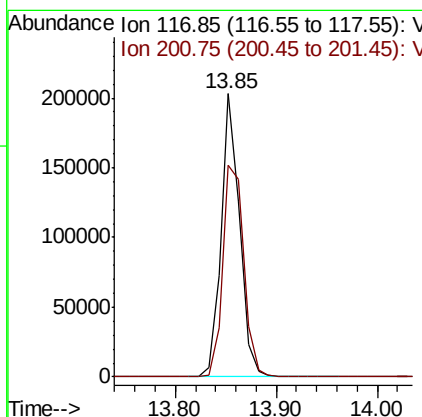
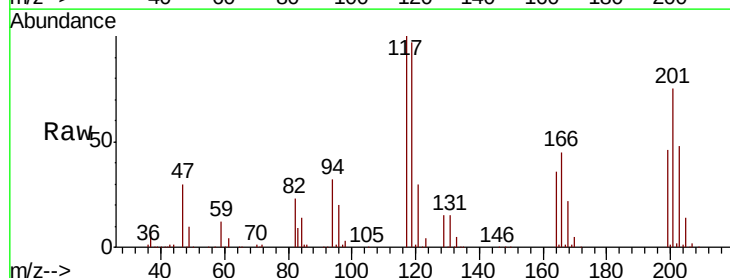
Manual Integrations
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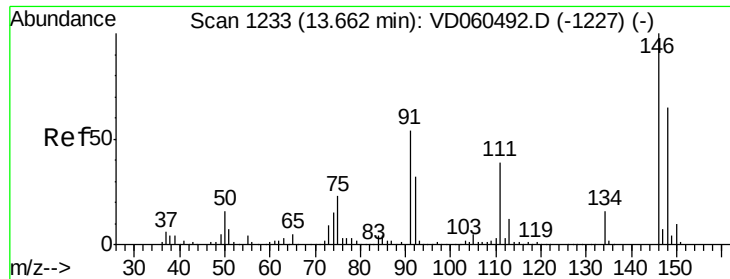
MMDadoda
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#90
Hexachloroethane
Concen: 19.959 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion: 117 Resp: 259597
Ion Ratio Lower Upper
117 100
201 74.8 41.3 123.9





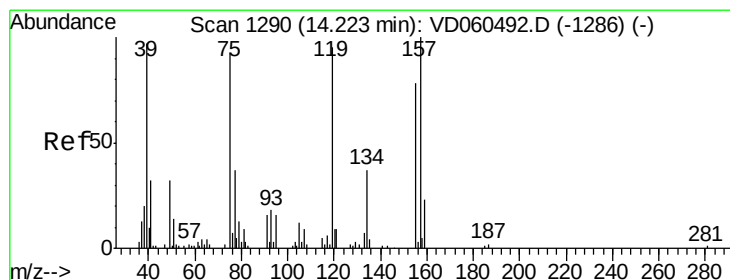
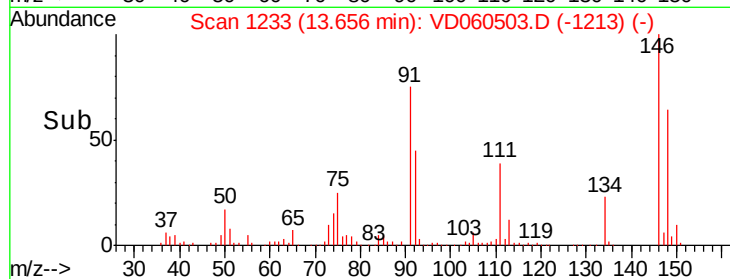
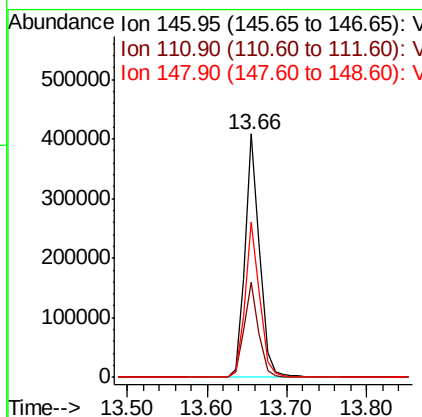
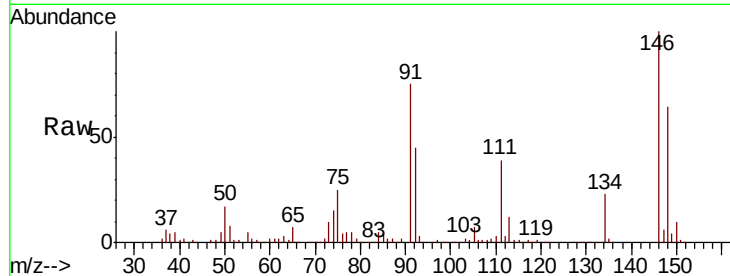
#91
 1,2-Dichlorobenzene
 Concen: 21.635 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	64.0	32.3	96.8

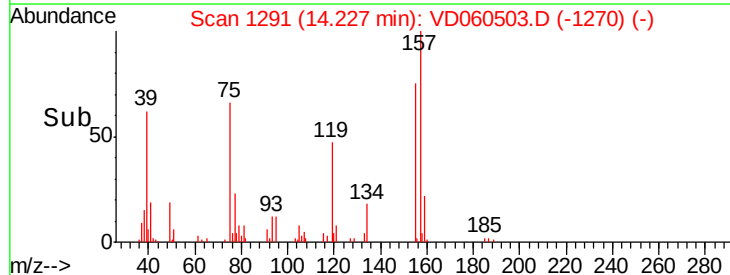
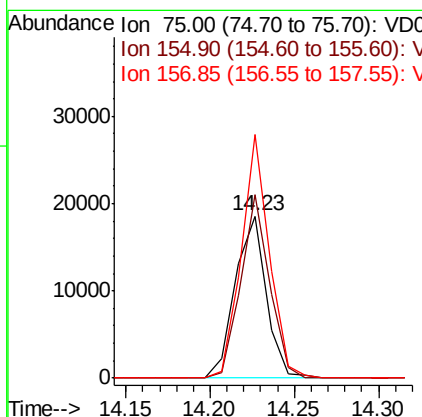
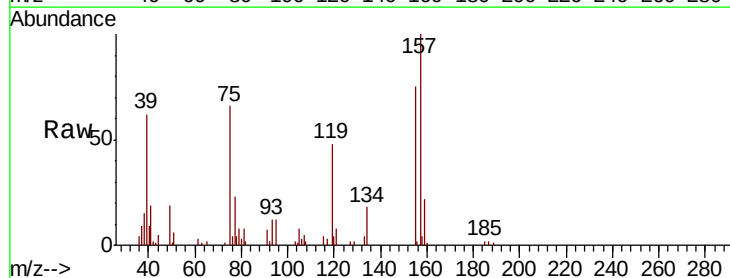
Manual Integrations
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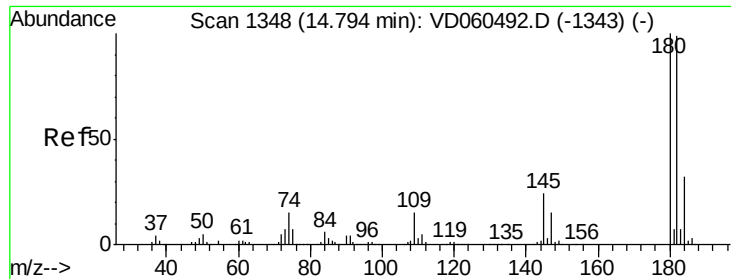
MMDadoda
 12/7/2018 5:03:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.936 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	113.0	41.6	124.9
157	150.4	53.6	160.8





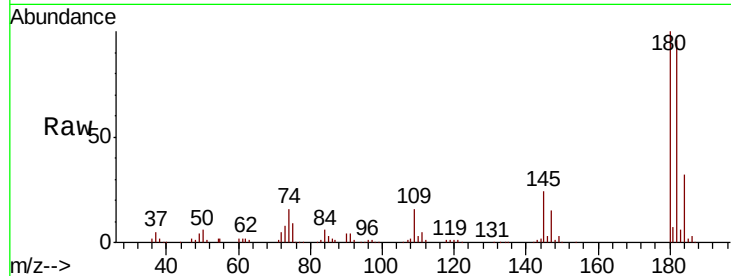
#93
 1,2,4-Trichlorobenzene
 Concen: 21.419 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

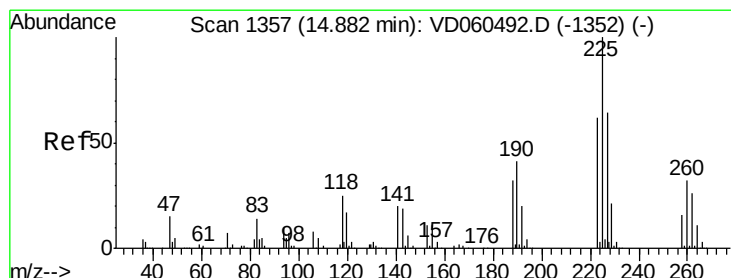
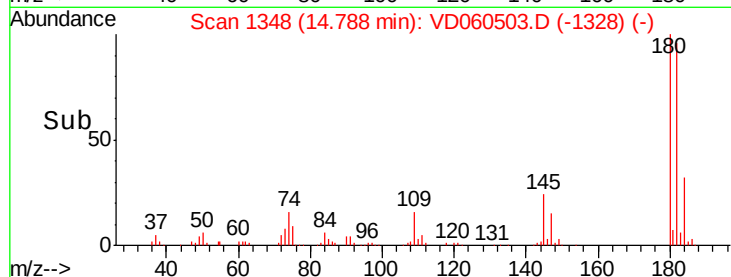
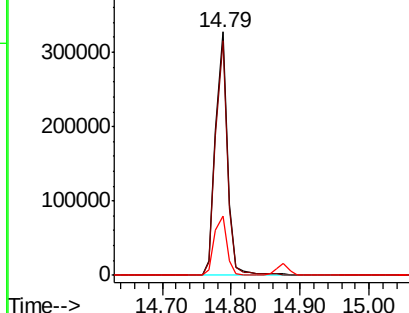
Tot Ion	Ratio	Resp	Lower	Upper
180	100	399084		
182	96.2	49.4	148.0	
145	24.1	11.9	35.9	

Manual Integrations
 APPROVED

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 12/7/2018 5:03:35 PM

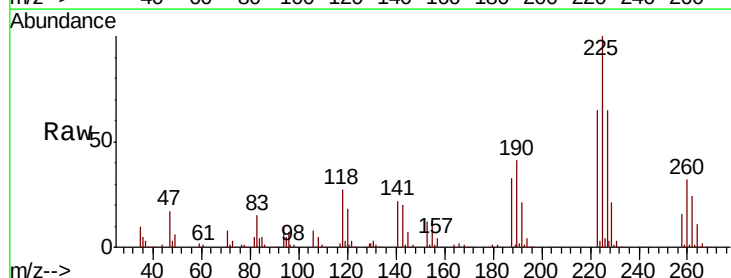


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

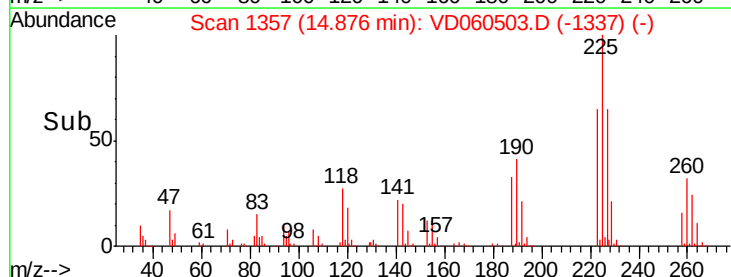
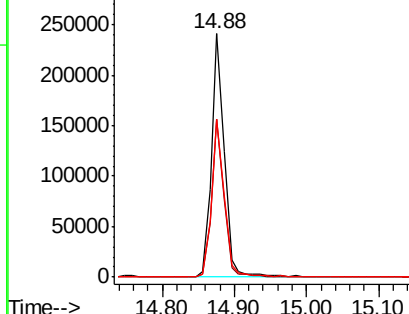


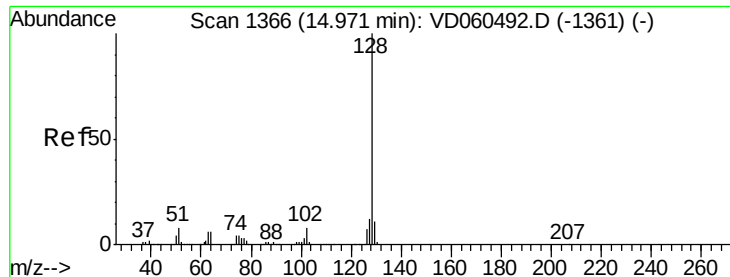
#94
 Hexachlorobutadiene
 Concen: 21.517 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060503.D
 Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	295805		
223	64.7	31.2	93.6	
227	64.7	32.0	96.0	



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





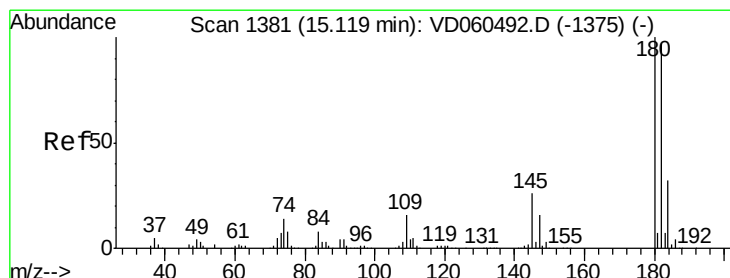
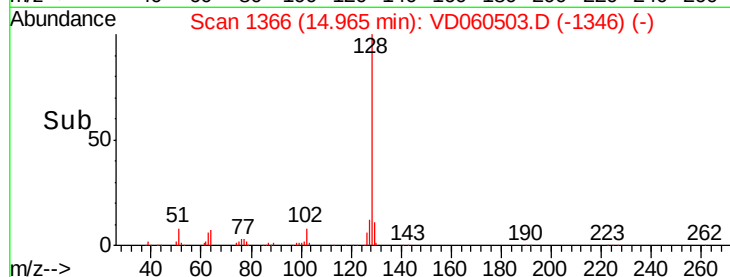
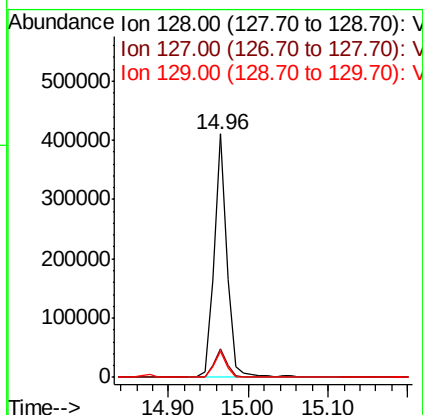
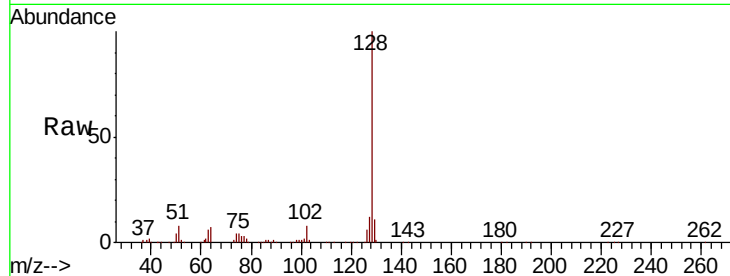
#95
Naphthalene
Concen: 21.231 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.864 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060503.D
Acq: 6 Dec 2018 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.5	145.5
145	26.9	12.9	38.7

