

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121118\
 Data File : VD060529.D
 Acq On : 11 Dec 2018 12:14
 Operator : VA/AP
 Sample : VD1211SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:30:04 PM

Quant Time: Dec 12 03:29:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1568000	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2151264	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1716408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	892079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	617196	55.53	ug/l	0.00
Spiked Amount						
			Recovery	=	111.06%	
35) Dibromofluoromethane	6.33	113	866503	54.84	ug/l	0.00
Spiked Amount						
			Recovery	=	109.68%	
50) Toluene-d8	9.46	98	2506753	54.82	ug/l	0.00
Spiked Amount						
			Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.42	95	872205	53.31	ug/l	-0.01
Spiked Amount						
			Recovery	=	106.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	419579	24.808	ug/l	98
3) Chloromethane	1.77	50	366446	22.746	ug/l	96
4) Vinyl Chloride	1.87	62	290863	22.622	ug/l	99
5) Bromomethane	2.17	94	51385	15.975	ug/l	95
6) Chloroethane	2.28	64	71265	16.092	ug/l	98
7) Trichlorofluoromethane	2.52	101	302013	20.343	ug/l	100
8) Diethyl Ether	2.84	74	51445	20.062	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	199401	20.700	ug/l	99
10) Methyl Iodide	3.26	142	220136	19.551	ug/l	96
11) Tert butyl alcohol	4.01	59	43486	96.309	ug/l	99
12) 1,1-Dichloroethene	3.09	96	160500	20.479	ug/l	91
13) Acrolein	2.99	56	49187	99.695	ug/l	91
14) Allyl chloride	3.55	41	308935	20.776	ug/l	100
15) Acrylonitrile	4.11	53	275584	107.490	ug/l	95
16) Acetone	3.18	43	169382	95.080	ug/l	95
17) Carbon Disulfide	3.33	76	516909	20.304	ug/l	100
18) Methyl Acetate	3.56	43	88154	20.821	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	470280	21.638	ug/l	98
20) Methylene Chloride	3.73	84	357344	19.080	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	359051	21.061	ug/l	98
22) Diisopropyl ether	4.86	45	1155145	21.637	ug/l	99
23) Vinyl Acetate	4.81	43	2879250	108.849	ug/l	98
24) 1,1-Dichloroethane	4.77	63	589450	21.253	ug/l	100
25) 2-Butanone	5.63	43	372145	106.179	ug/l	97
26) 2,2-Dichloropropane	5.59	77	468836	21.881	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	364828	21.047	ug/l	97
28) Bromochloromethane	5.94	49	246026	20.024	ug/l	97
29) Tetrahydrofuran	5.97	42	214116	107.881	ug/l	98
30) Chloroform	6.10	83	589414	21.094	ug/l	97
31) Cyclohexane	6.37	56	563044	21.561	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	489550	21.312	ug/l	99
36) 1,1-Dichloropropene	6.53	75	457831	21.772	ug/l	100
37) Ethyl Acetate	5.70	43	202831	22.241	ug/l	98
38) Carbon Tetrachloride	6.51	117	414942	21.980	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	514204	21.450	ug/l	99
40) Benzene	6.80	78	1154847	21.489	ug/l	99
41) Methacrylonitrile	5.94	41	95777m	19.482	ug/l	
42) 1,2-Dichloroethane	6.90	62	296742	21.717	ug/l	98
43) Isopropyl Acetate	8.35	43	259866	23.084	ug/l #	98
44) Trichloroethene	7.75	130	340657	21.211	ug/l	99
45) 1,2-Dichloropropane	8.10	63	280790	21.125	ug/l	95
46) Dibromomethane	8.22	93	164971	21.482	ug/l	98
47) Bromodichloromethane	8.50	83	391966	21.511	ug/l	100
48) Methyl methacrylate	8.25	41	151062	22.679	ug/l	99
49) 1,4-Dioxane	8.23	88	28526	472.515	ug/l	92
51) 4-Methyl-2-Pentanone	9.34	43	768909	109.803	ug/l	99
52) Toluene	9.55	92	731944	21.791	ug/l	97
53) t-1,3-Dichloropropene	9.92	75	327115	21.848	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	423899	21.549	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	197904	21.157	ug/l	96
56) Ethyl methacrylate	10.03	69	187524	22.151	ug/l	98
57) 1,3-Dichloropropane	10.38	76	316908	21.916	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	590447	116.565	ug/l	99
59) 2-Hexanone	10.49	43	551104	112.592	ug/l	99
60) Dibromochloromethane	10.64	129	252336	21.576	ug/l	99
61) 1,2-Dibromoethane	10.76	107	210151	22.045	ug/l	98
64) Tetrachloroethene	10.26	164	315796	20.778	ug/l	100
65) Chlorobenzene	11.31	112	798903	22.001	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	257540	22.005	ug/l	99
67) Ethyl Benzene	11.43	91	1366481	22.062	ug/l	98
68) m/p-Xylenes	11.57	106	1018356	44.443	ug/l	94
69) o-Xylene	11.93	106	475774	21.787	ug/l	92
70) Styrene	11.96	104	756681	21.588	ug/l	99
71) Bromoform	12.12	173	164053	21.010	ug/l	99
73) Isopropylbenzene	12.27	105	1334980	21.148	ug/l	100
74) N-amyl acetate	12.14	43	329015	21.565	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	211825	20.960	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	215268	21.297	ug/l	100
77) Bromobenzene	12.54	156	340197	20.502	ug/l	99
78) n-propylbenzene	12.64	91	1688220	21.156	ug/l	98
79) 2-Chlorotoluene	12.71	91	917675	21.193	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	1054077	21.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	59308	21.038	ug/l	96
82) 4-Chlorotoluene	12.81	91	1054970	21.692	ug/l	88
83) tert-Butylbenzene	13.04	119	1143675	21.146	ug/l	89
84) 1,2,4-Trimethylbenzene	13.09	105	1057794	21.179	ug/l	99
85) sec-Butylbenzene	13.22	105	1396123	20.711	ug/l	99
86) p-Isopropyltoluene	13.34	119	1135352	21.247	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	633145	21.074	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	605008	20.527	ug/l	95
89) n-Butylbenzene	13.64	91	1220024	20.544	ug/l	97
90) Hexachloroethane	13.86	117	265768	19.837	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	533853	21.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	26173	21.374	ug/l	94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	397923	20.732	ug/l	96
94) Hexachlorobutadiene	14.88	225	287696	20.316	ug/l	98
95) Naphthalene	14.97	128	477549	20.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	318162	20.804	ug/l	98

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

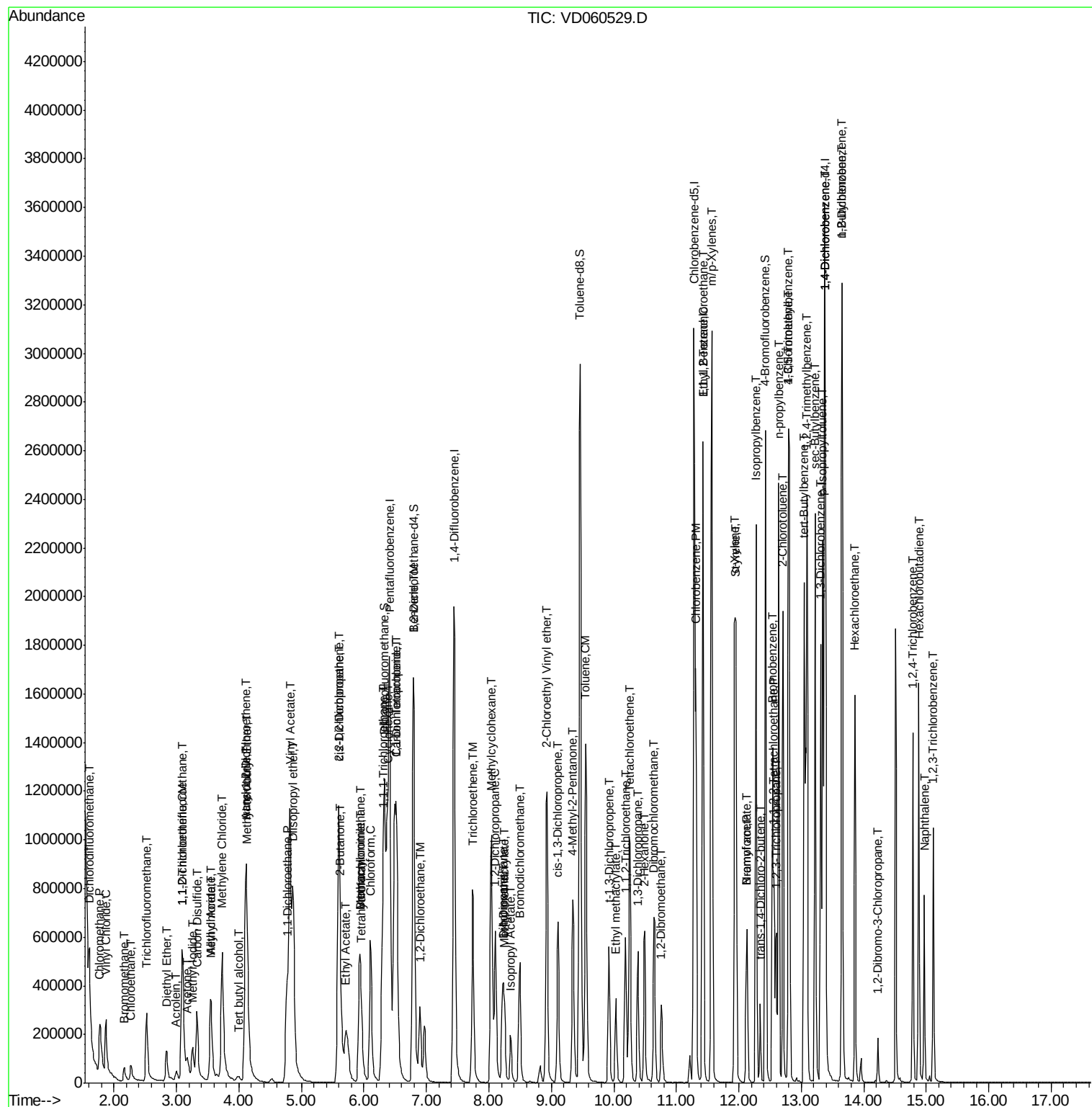
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121118\
Data File : VD060529.D
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Operator : VA/AP
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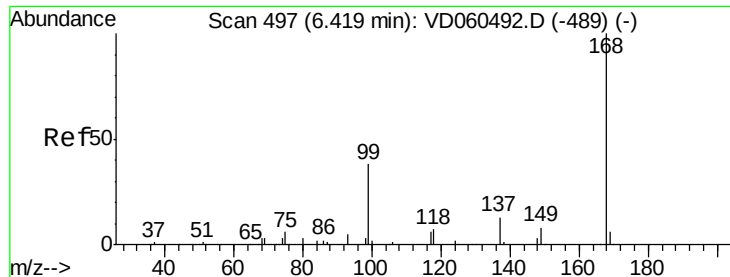
Instrument :
MSVOA_D
ClientSampleID :
VD1211SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:168 Resp: 1568000

Ion Ratio Lower Upper

168 100

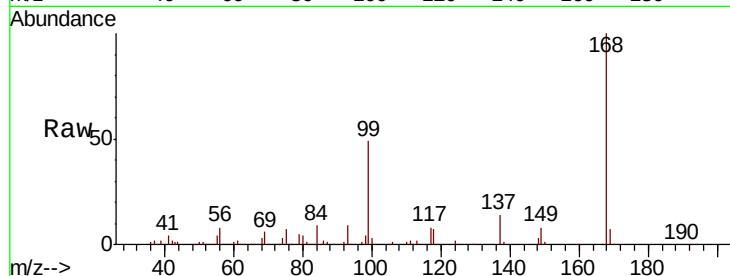
99 49.4 35.6 53.4

Manual Integrations

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12/12/2018 1:30:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.41

600000

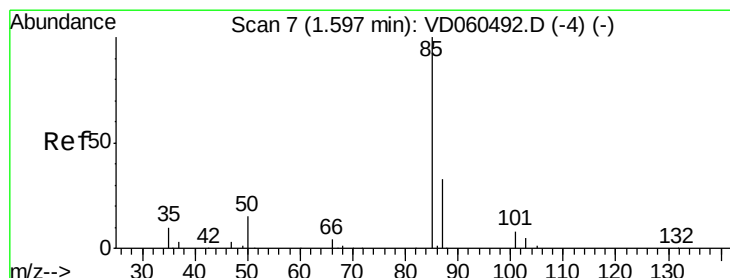
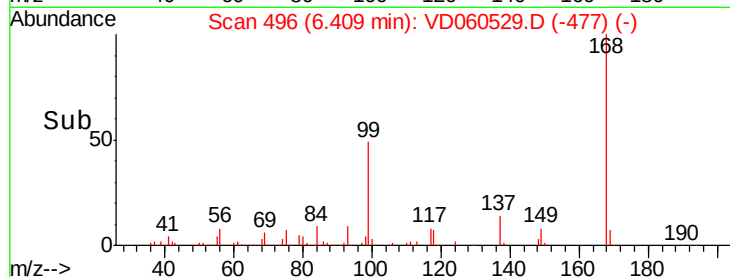
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 24.808 ug/l

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060529.D

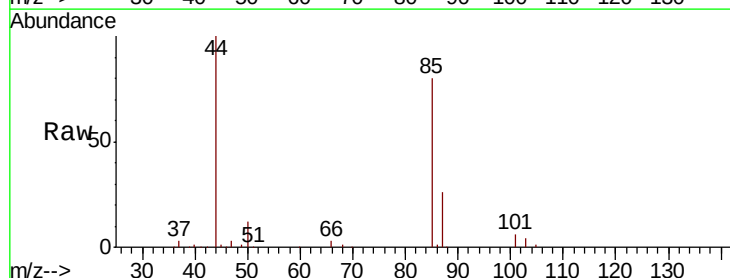
Acq: 11 Dec 2018 12:14

Tgt Ion: 85 Resp: 419579

Ion Ratio Lower Upper

85 100

87 32.3 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.61

200000

150000

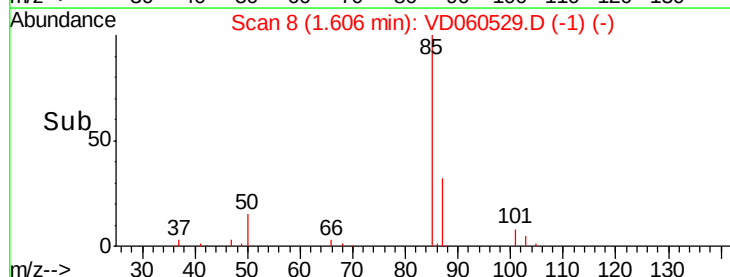
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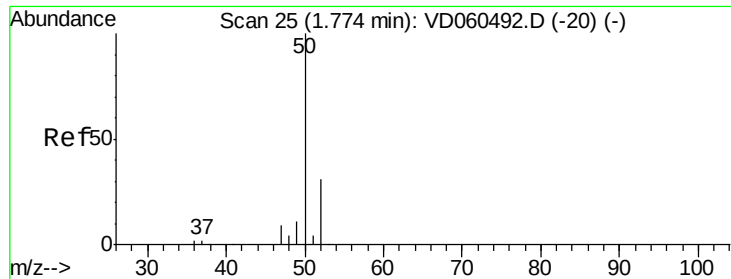
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.746 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 50 Resp: 366446

Ion Ratio Lower Upper

50 100

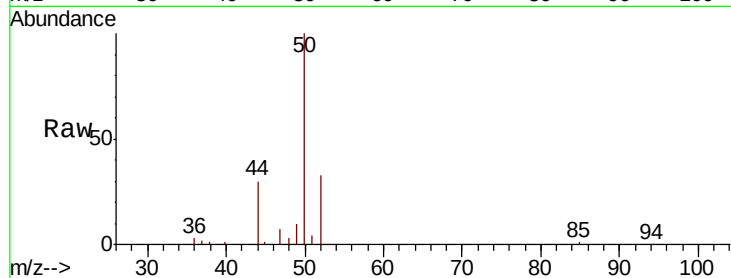
52 33.4 25.0 37.4

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

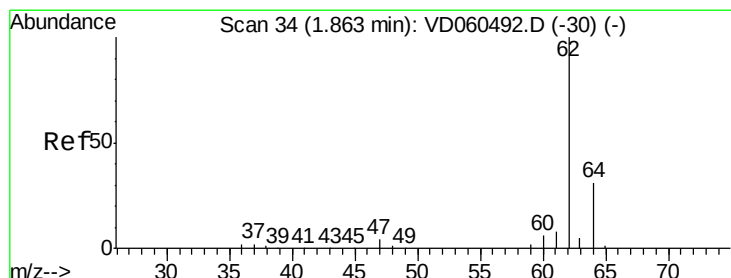
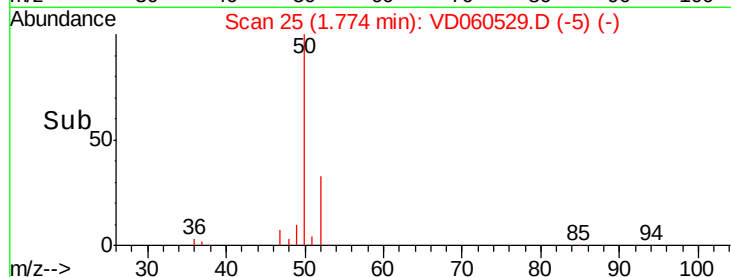
1.77

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 22.622 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060529.D

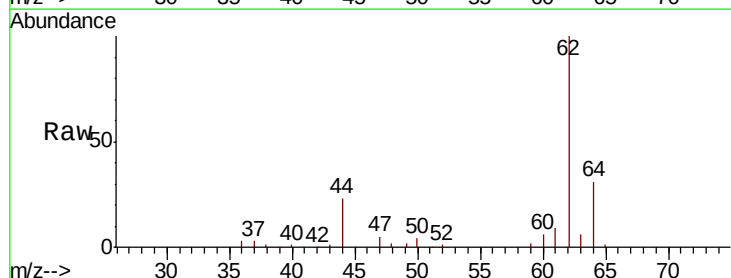
Acq: 11 Dec 2018 12:14

Tgt Ion: 62 Resp: 290863

Ion Ratio Lower Upper

62 100

64 31.1 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

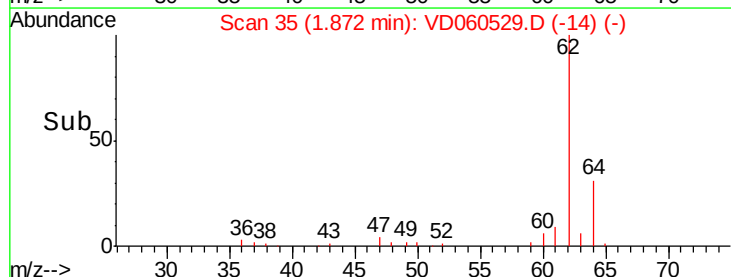
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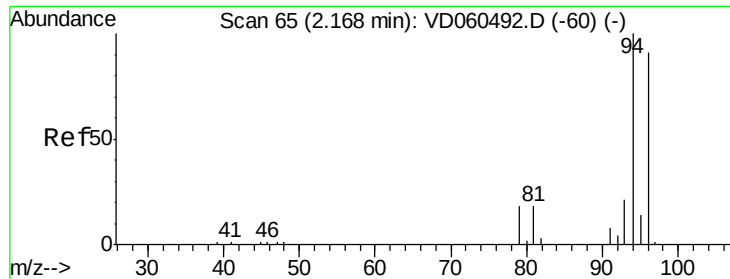
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50000

0

Time-->





#5

Bromomethane

Concen: 15.975 ug/l

RT: 2.17 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 94 Resp: 51385

Ion Ratio Lower Upper

94 100

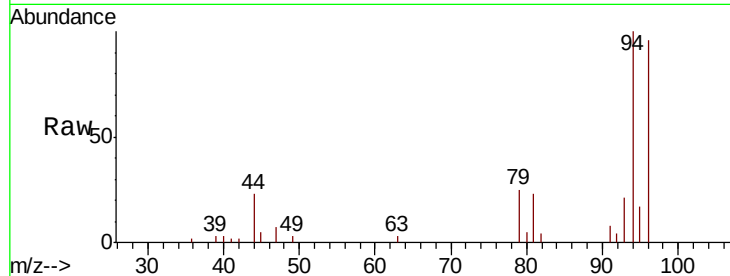
96 95.6 72.6 108.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.17

20000

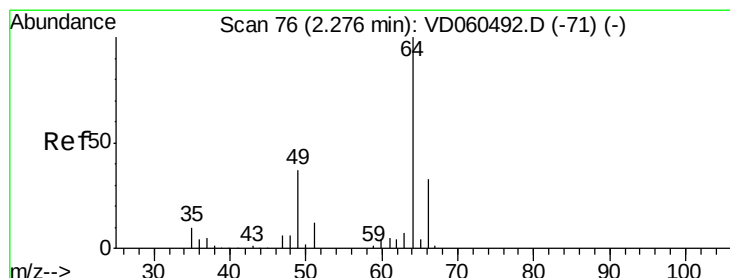
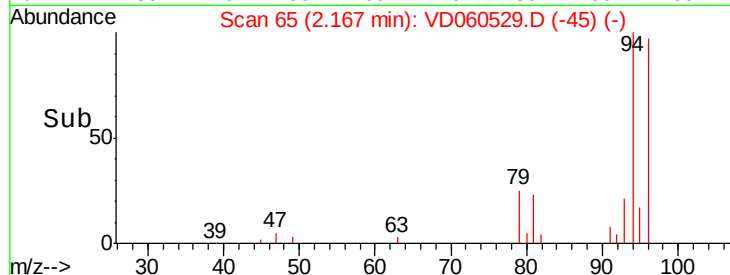
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 16.092 ug/l

RT: 2.28 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060529.D

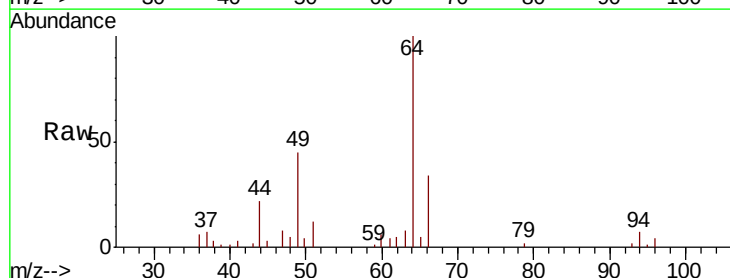
Acq: 11 Dec 2018 12:14

Tgt Ion: 64 Resp: 71265

Ion Ratio Lower Upper

64 100

66 33.9 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.28

25000

20000

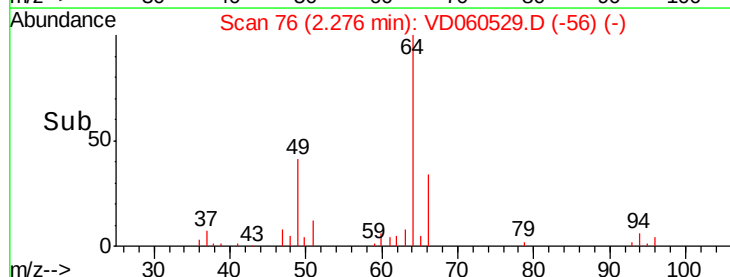
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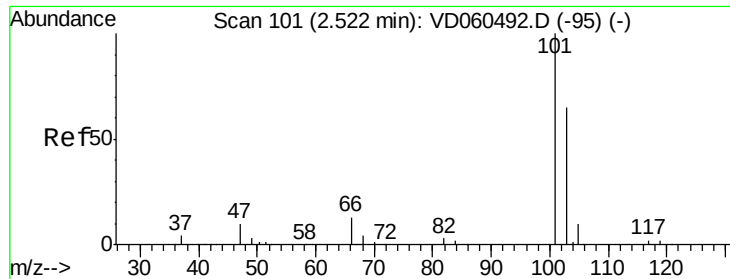
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5000

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Time-->





#7

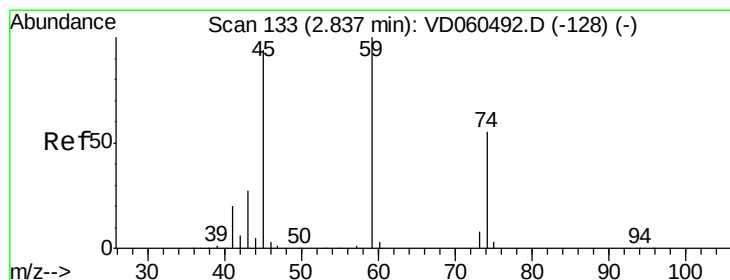
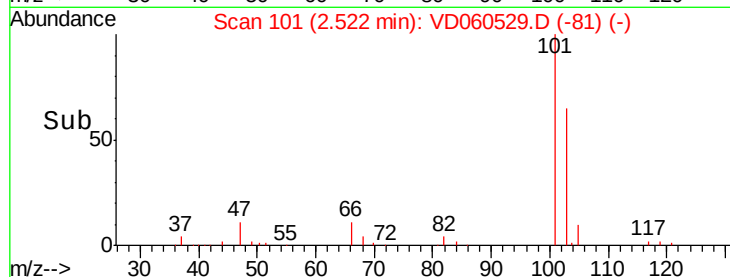
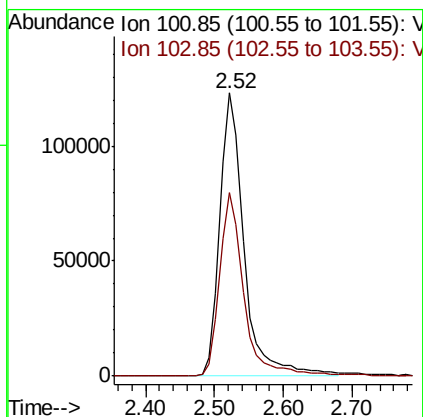
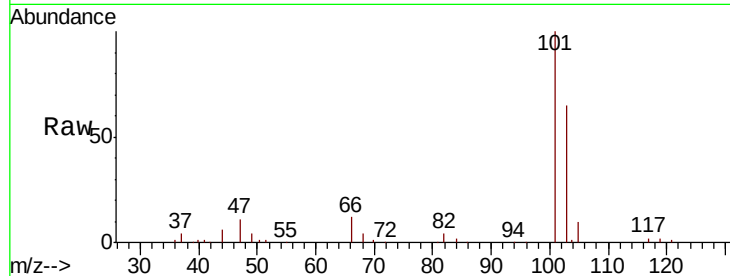
Trichlorofluoromethane
 Concen: 20.343 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
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 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.8	77.8

Manual Integrations
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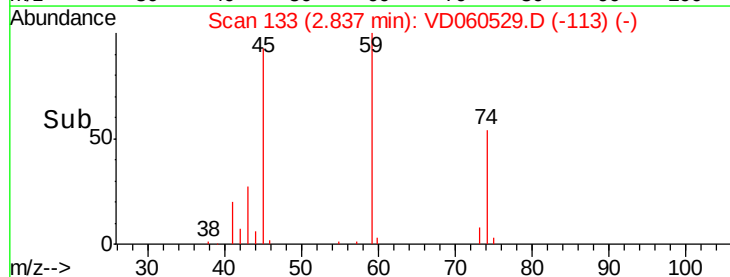
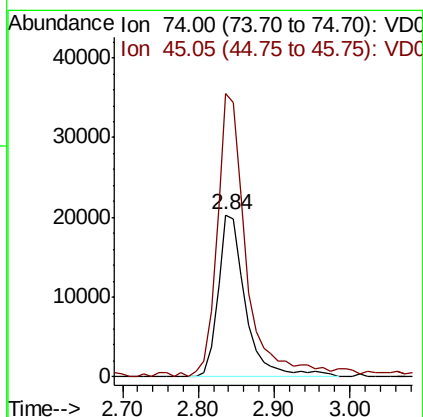
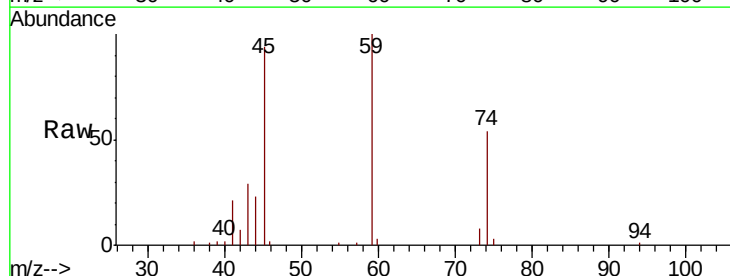
MMDadoda
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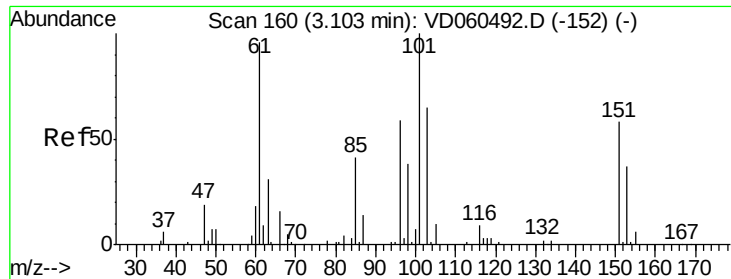


#8

Diethyl Ether
 Concen: 20.062 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	174.5	86.0	258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.700 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

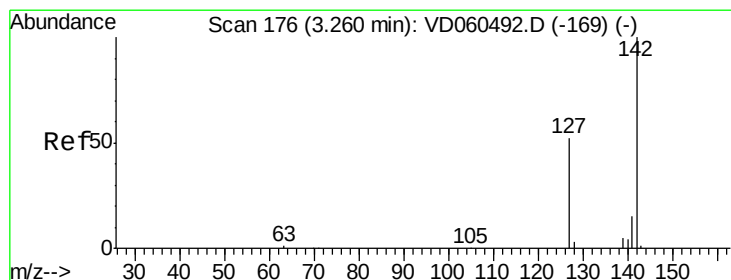
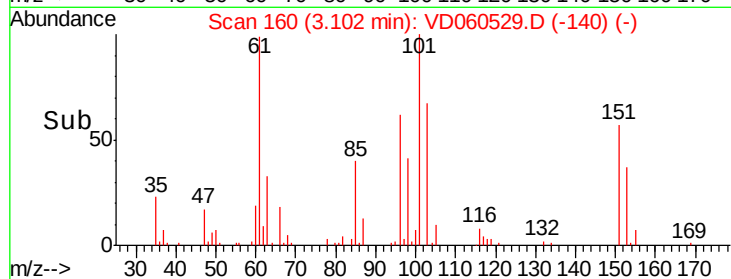
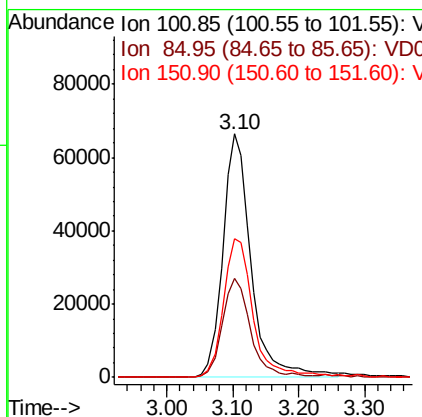
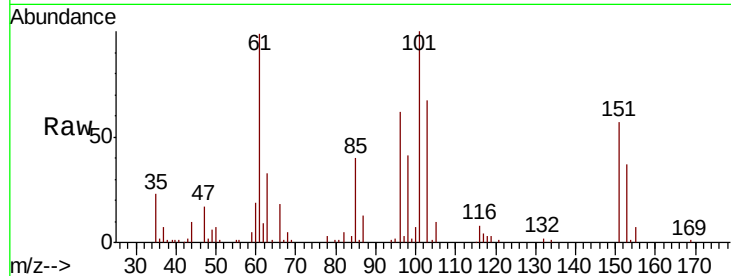
ClientSampleId :

VD1211SBSD01

Tot Ion:	101	Resp:	199401
Ion Ratio	Lower	Upper	
101	100		
85	40.5	32.7	49.1
151	57.2	46.6	69.8

Manual Integrations
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12/12/2018 1:30:04 PM



#10

Methyl Iodide

Concen: 19.551 ug/l

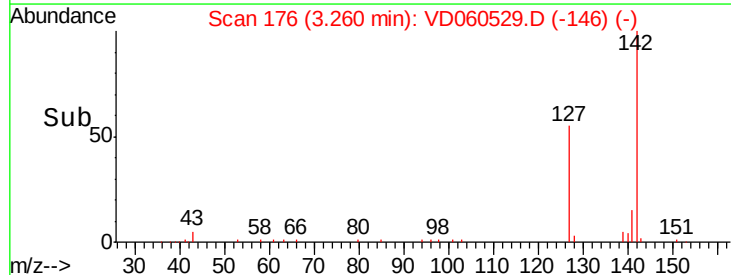
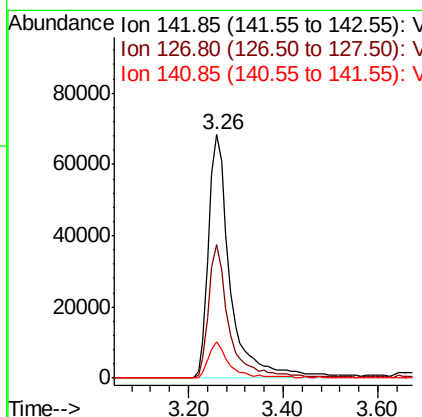
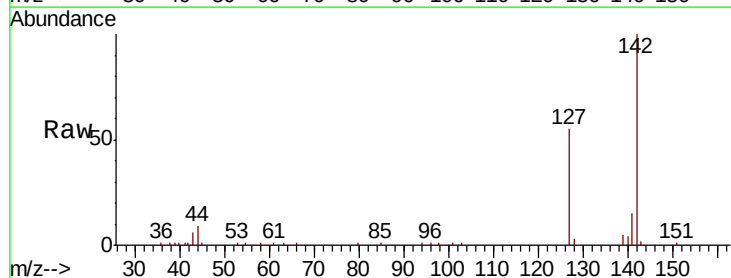
RT: 3.26 min Scan# 176

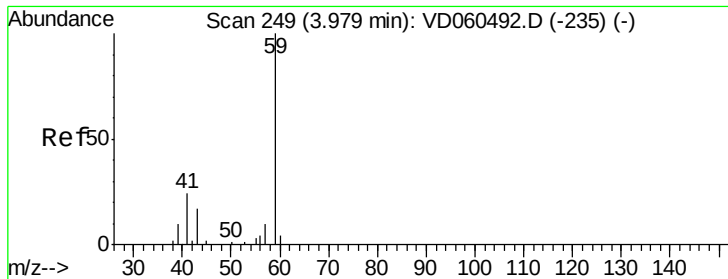
Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion:	142	Resp:	220136
Ion Ratio	Lower	Upper	
142	100		
127	54.7	41.2	61.8
141	15.1	11.9	17.9





#11

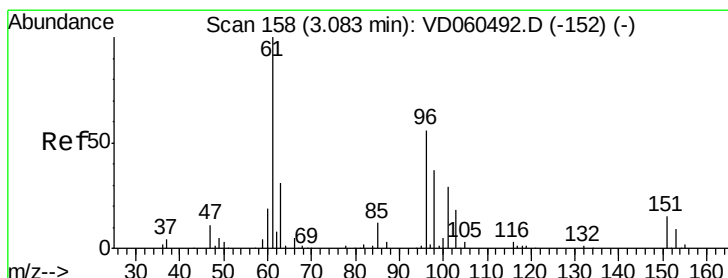
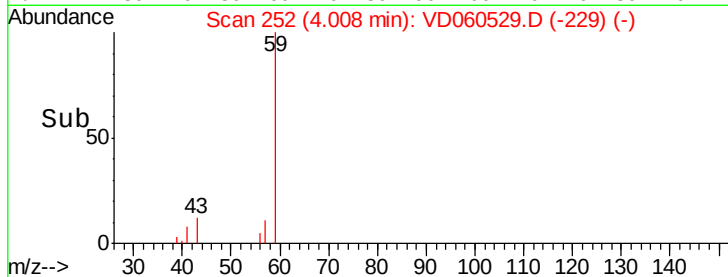
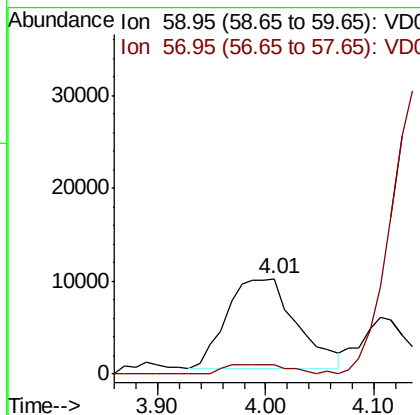
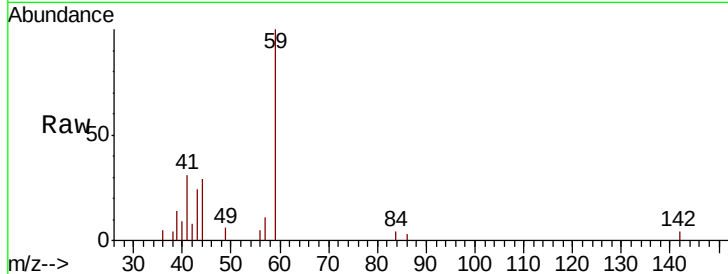
Tert butyl alcohol
Concen: 96.309 ug/l
RT: 4.01 min Scan# 252
Delta R.T. 0.03 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion	59	57	Ratio	Lower	Upper
Resp:	43486				
Ion	100	10.6		8.1	12.1

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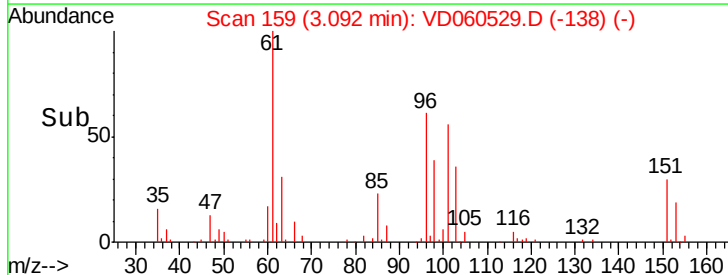
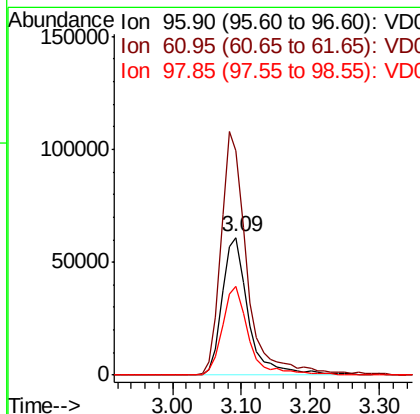
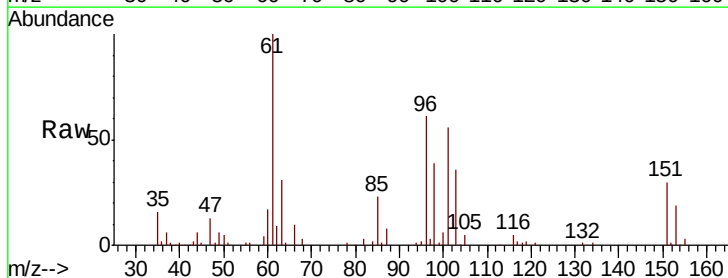
MMDadoda
12/12/2018 1:30:04 PM

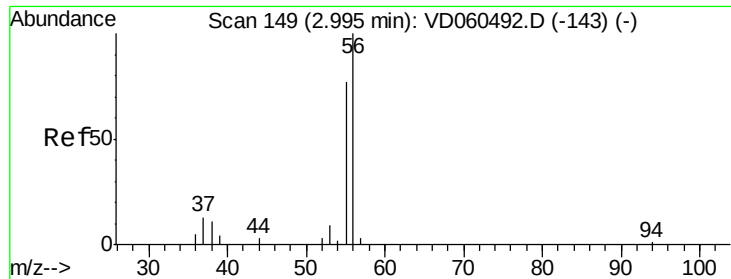


#12

1,1-Dichloroethene
Concen: 20.479 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	96	61	98	Ratio	Lower	Upper
Resp:	160500					
Ion	100	162.7	64.0		143.0	214.4
					53.4	80.0





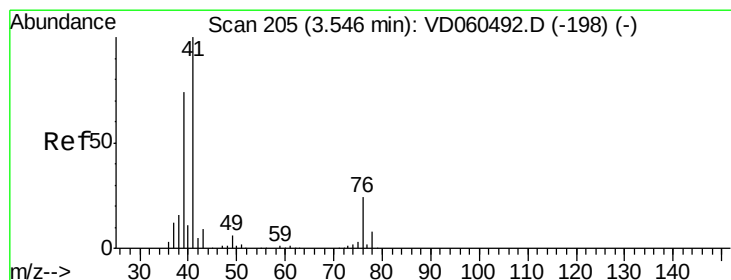
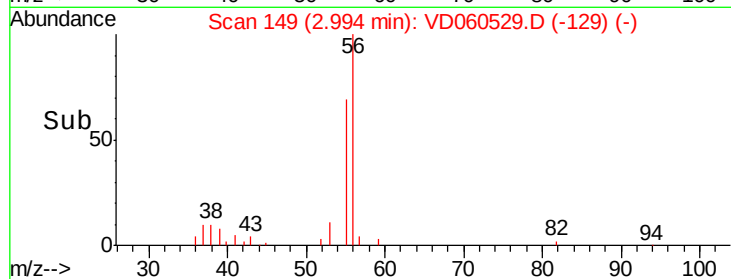
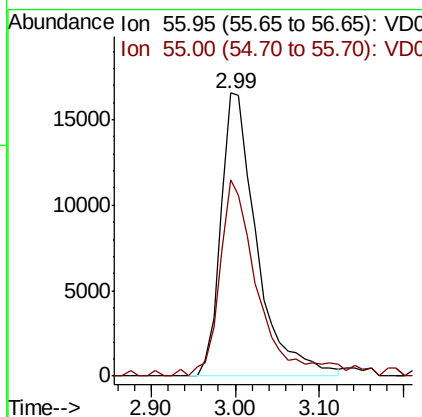
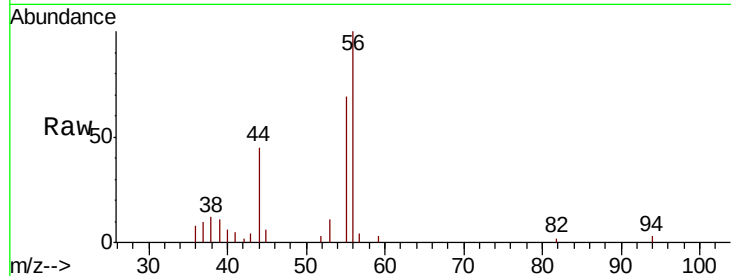
#13
 Acrolein
 Concen: 99.695 ug/l
 RT: 2.99 min Scan# 149
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	56	Resp	49187
Ion Ratio	100	Lower	Upper
55	69.3	62.0	93.0

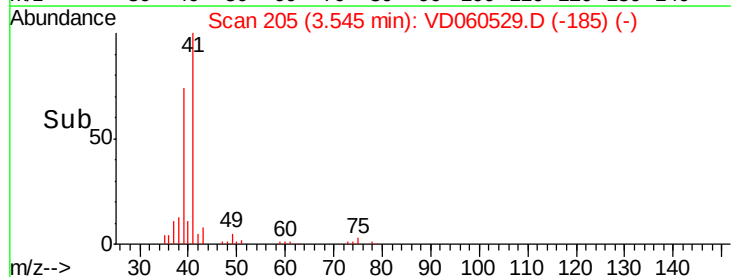
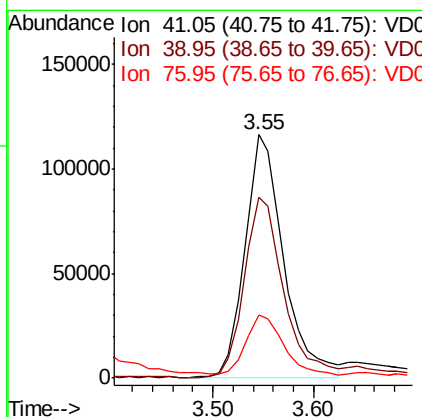
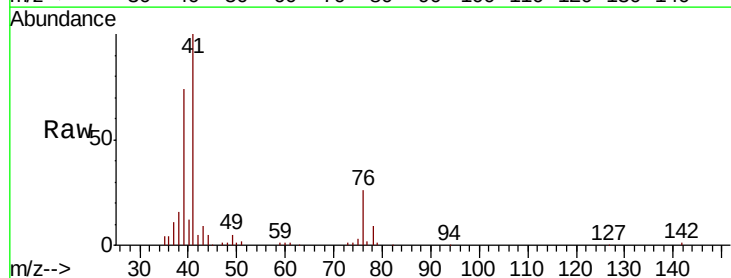
Manual Integrations
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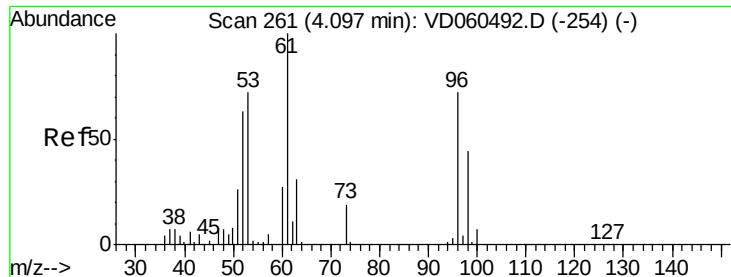
MMDadoda
 12/12/2018 1:30:04 PM



#14
 Allyl chloride
 Concen: 20.776 ug/l
 RT: 3.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	41	Resp	308935
Ion Ratio	100	Lower	Upper
39	74.3	59.3	88.9
76	25.7	21.0	31.6





#15

Acrylonitrile

Concen: 107.490 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

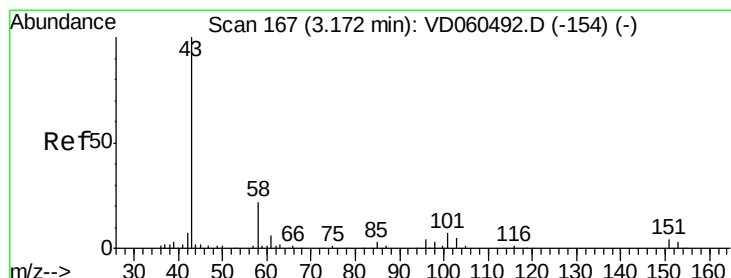
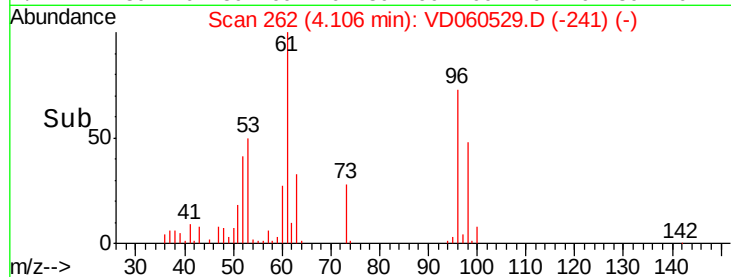
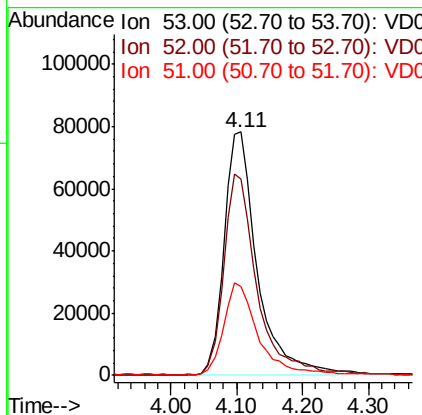
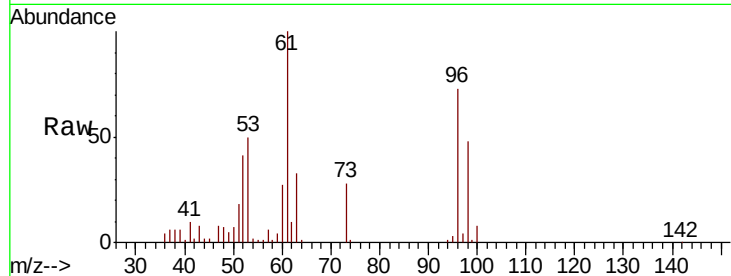
ClientSampleId :

VD1211SBS01

Tot Ion:	53	Resp:	275584
Ion Ratio	Lower	Upper	
53	100		
52	80.8	70.0	105.0
51	36.7	28.8	43.2

Manual Integrations
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12/12/2018 1:30:04 PM



#16

Acetone

Concen: 95.080 ug/l

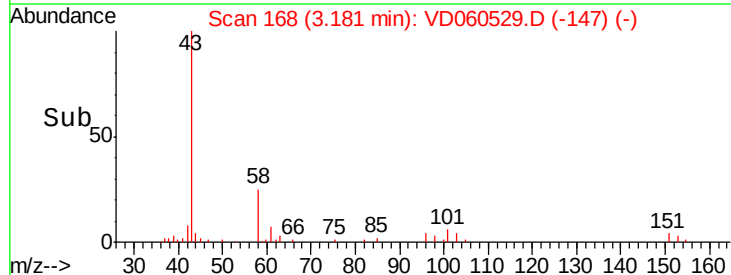
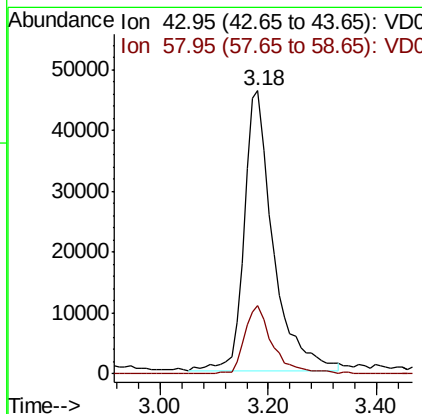
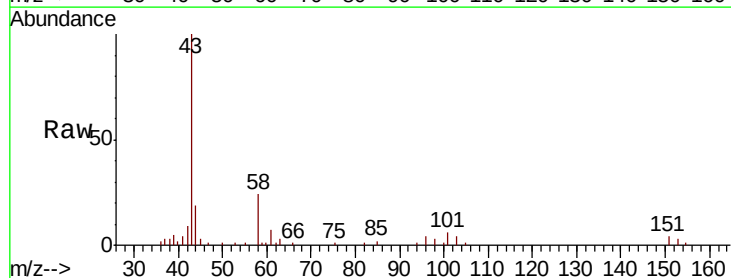
RT: 3.18 min Scan# 168

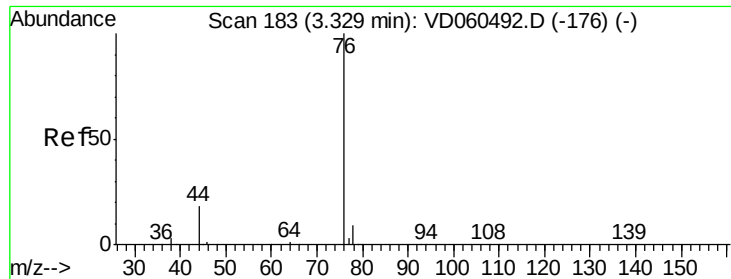
Delta R.T. 0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion:	43	Resp:	169382
Ion Ratio	Lower	Upper	
43	100		
58	24.1	17.3	25.9





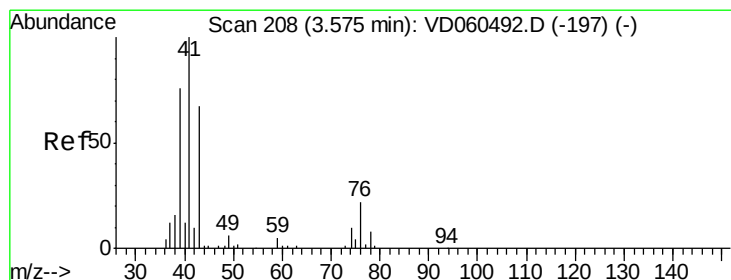
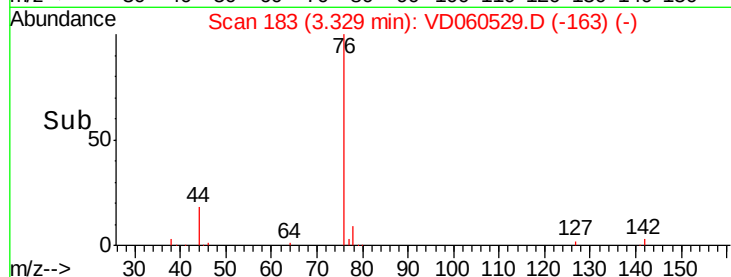
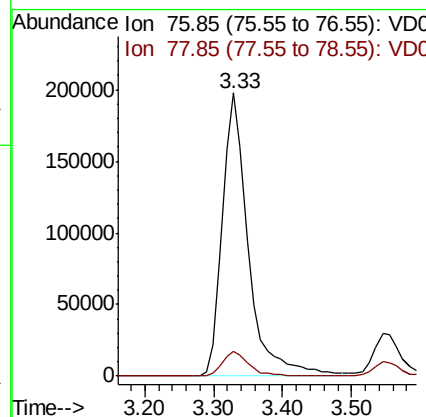
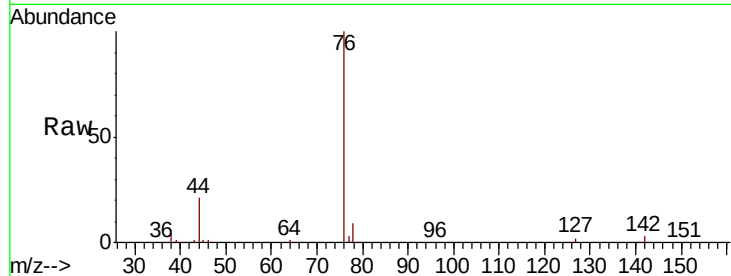
#17
Carbon Disulfide
Concen: 20.304 ug/l
RT: 3.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion: 76 Resp: 516909
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

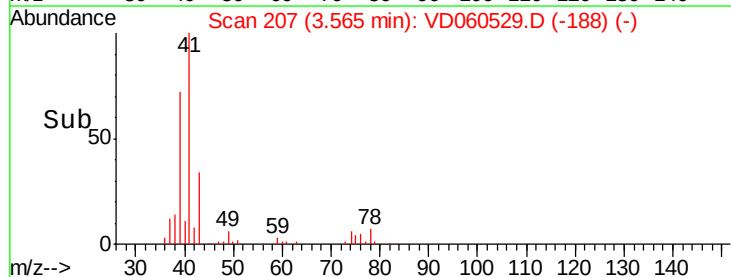
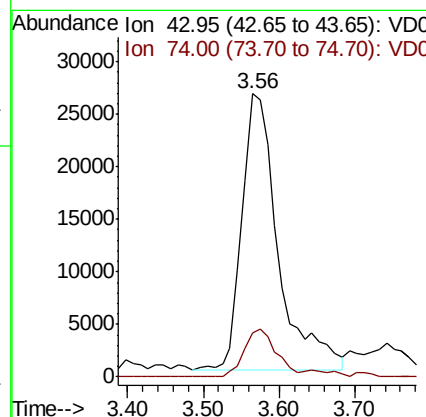
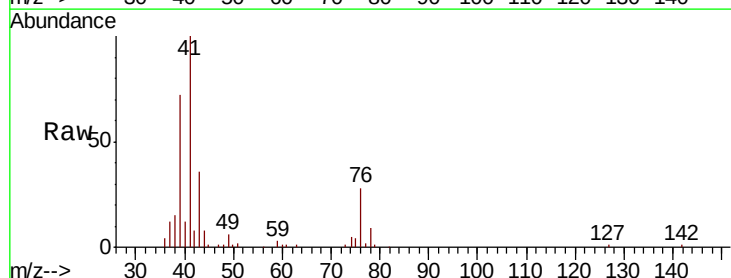
Manual Integrations
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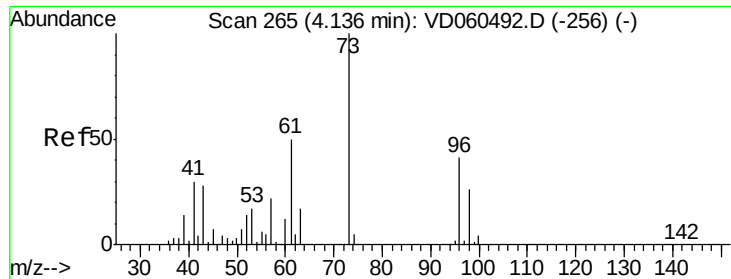
MMDadoda
12/12/2018 1:30:04 PM



#18
Methyl Acetate
Concen: 20.821 ug/l
RT: 3.56 min Scan# 207
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 43 Resp: 88154
Ion Ratio Lower Upper
43 100
74 15.4 12.0 18.0





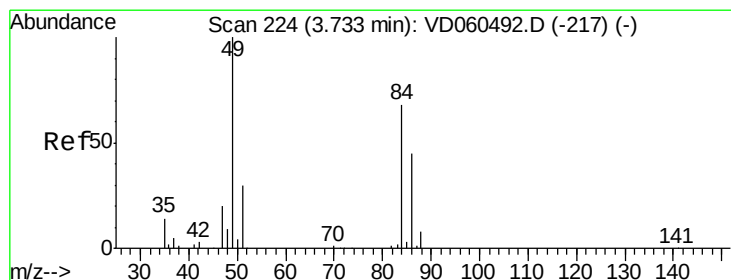
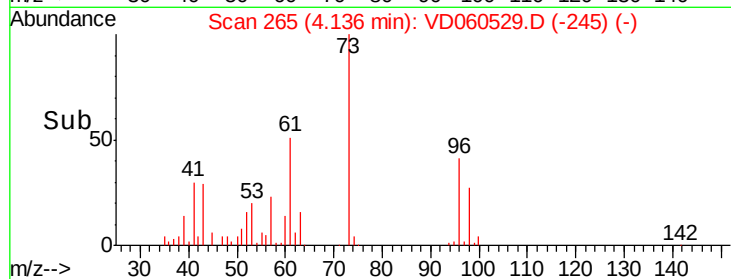
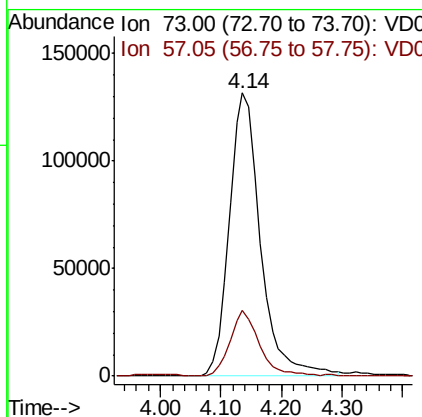
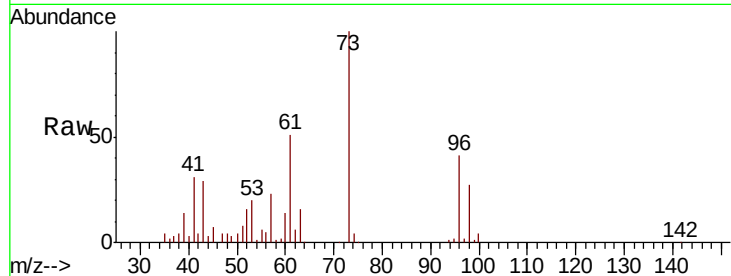
#19
Methvl tert-butvl Ether
Concen: 21.638 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 73 Resp: 470280
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.6

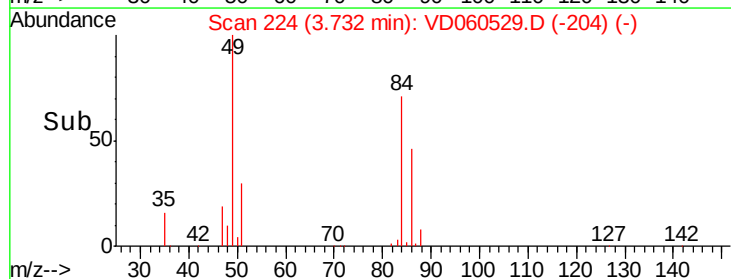
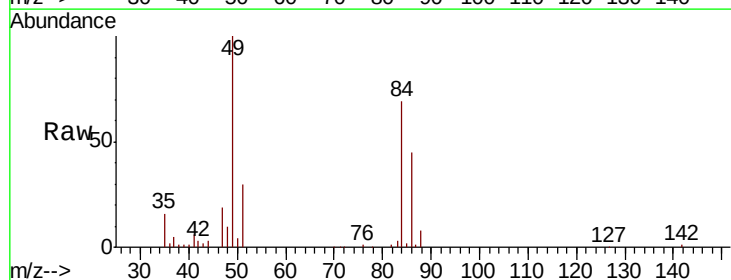
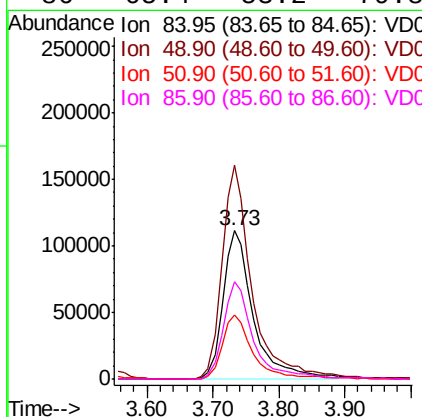
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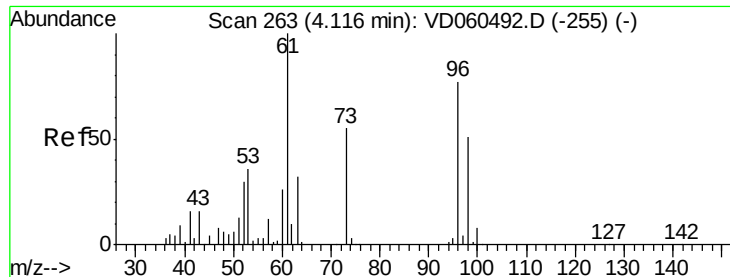
MMDadoda
12/12/2018 1:30:04 PM



#20
Methylene Chloride
Concen: 19.080 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 84 Resp: 357344
Ion Ratio Lower Upper
84 100
49 144.2 117.2 175.8
51 42.8 35.3 52.9
86 65.4 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.061 ug/l

RT: 4.12 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 96 Resp: 359051

Ion Ratio Lower Upper

96 100

61 128.0 104.2 156.4

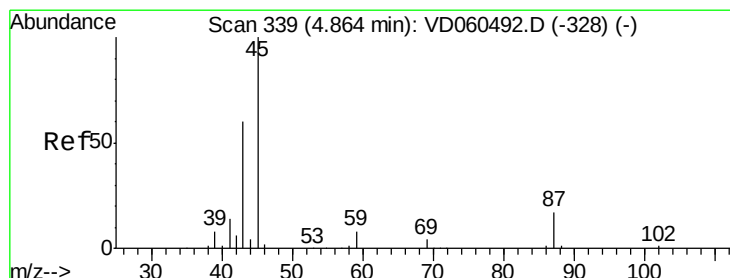
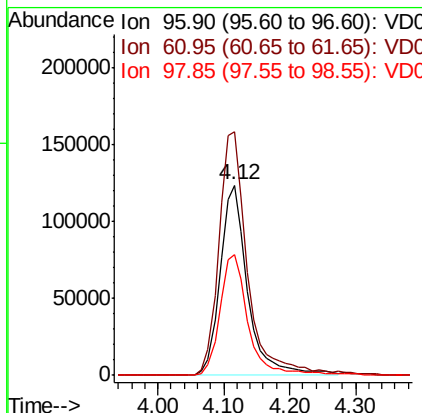
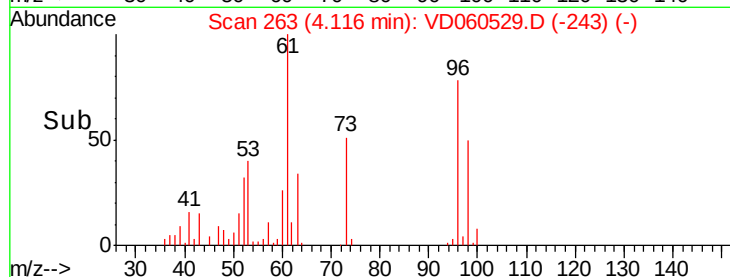
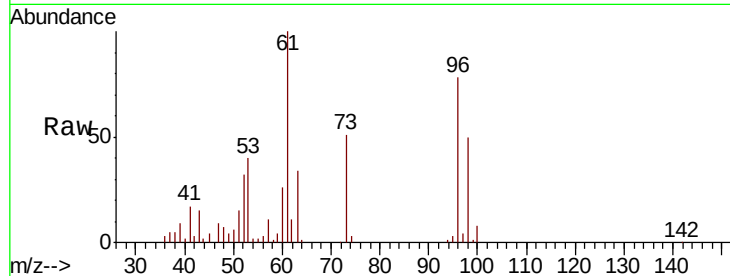
98 63.7 52.8 79.2

Manual Integrations

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MMDadoda

12/12/2018 1:30:04 PM



#22

Diisopropyl ether

Concen: 21.637 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion: 45 Resp: 1155145

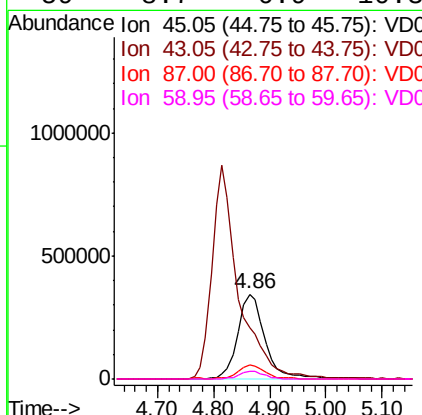
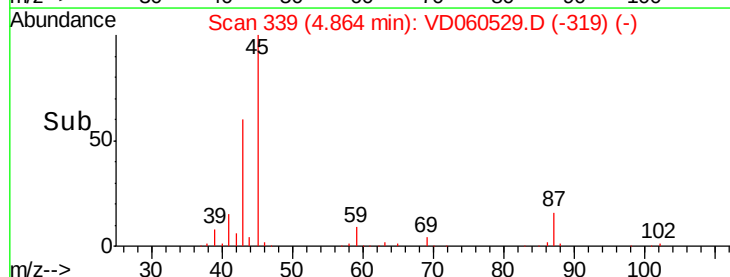
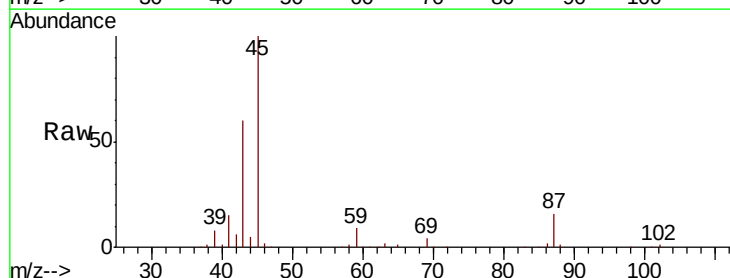
Ion Ratio Lower Upper

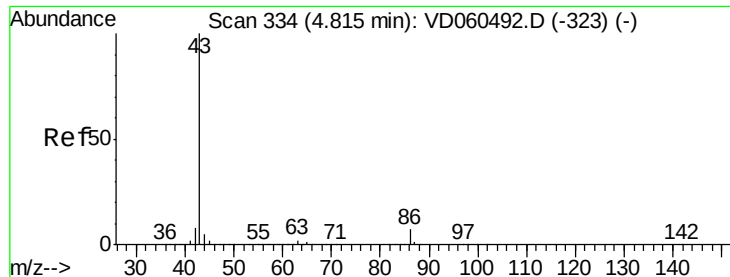
45 100

43 60.2 48.6 73.0

87 16.2 14.0 21.0

59 8.7 6.9 10.3





#23

Vinyl Acetate

Concen: 108.849 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 43 Resp: 2879250

Ion Ratio Lower Upper

43 100

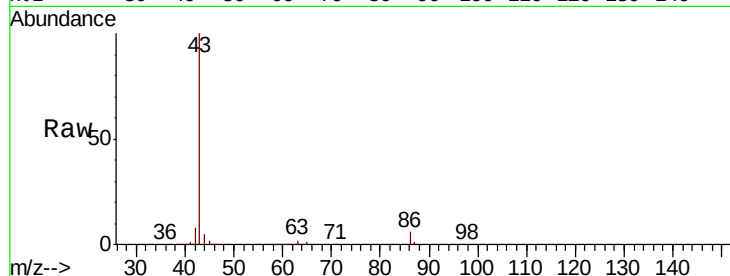
86 6.4 5.5 8.3

Manual Integrations

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12/12/2018 1:30:04 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

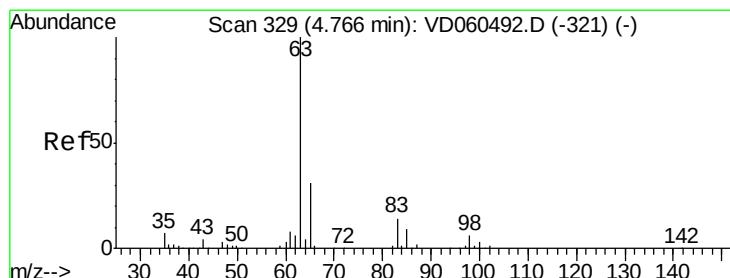
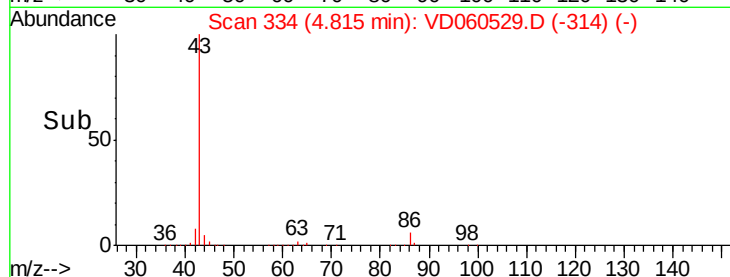
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.253 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

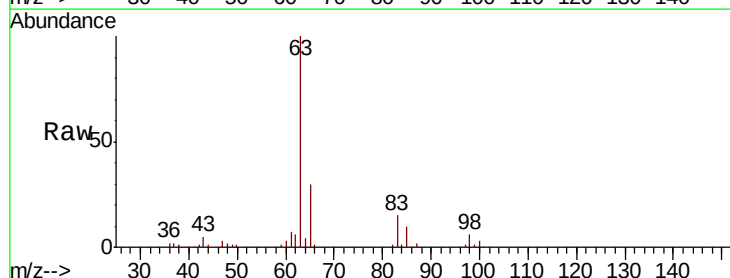
Tgt Ion: 63 Resp: 589450

Ion Ratio Lower Upper

63 100

98 5.6 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

250000

200000

150000

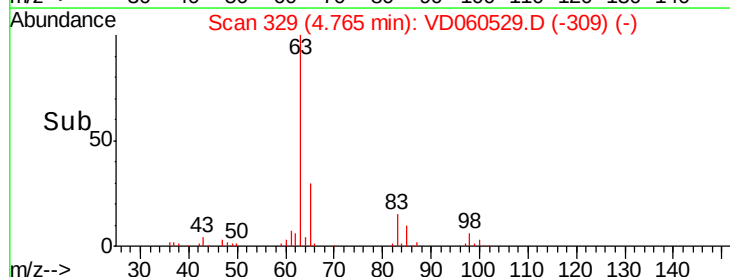
100000

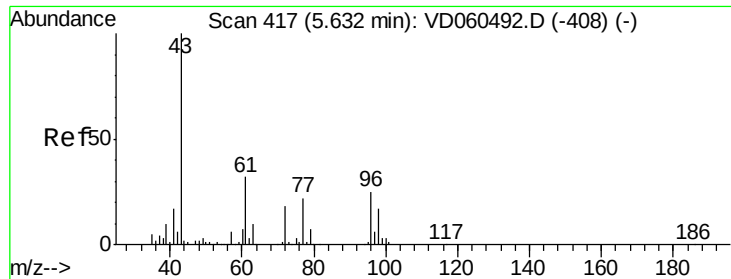
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 106.179 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 372145

Ion Ratio Lower Upper

43 100

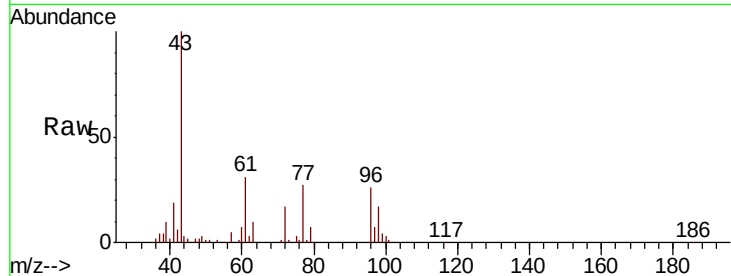
72 16.8 14.6 21.8

Manual Integrations

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MMDadoda

12/12/2018 1:30:04 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

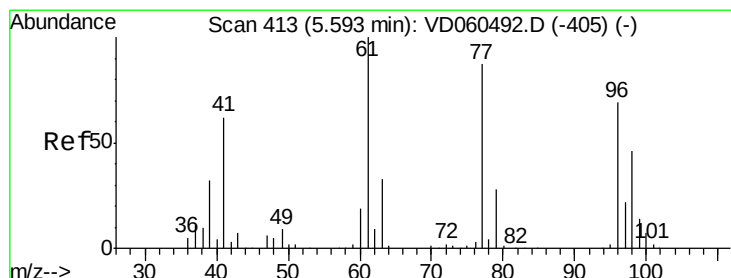
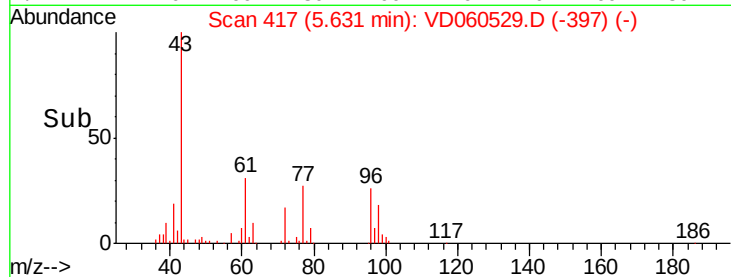
50000

0

5.50 5.60 5.70

5.63

Time-->



#26

2,2-Dichloropropane

Concen: 21.881 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD060529.D

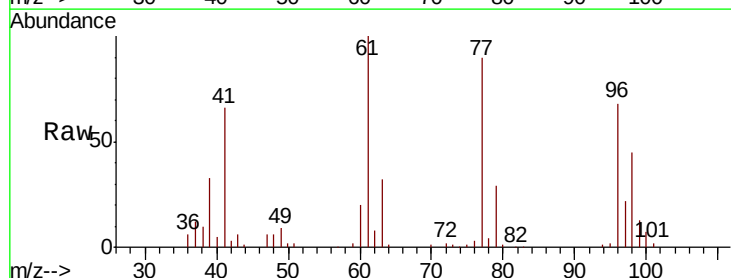
Acq: 11 Dec 2018 12:14

Tgt Ion: 77 Resp: 468836

Ion Ratio Lower Upper

77 100

97 24.2 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

100000

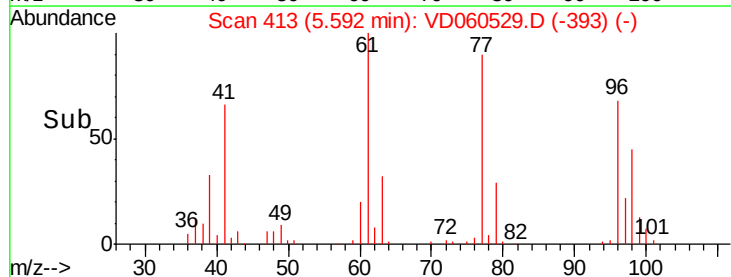
50000

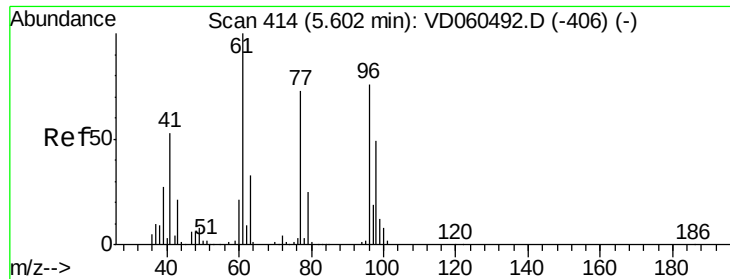
0

5.50 5.60 5.70 5.80

5.59

Time-->





#27

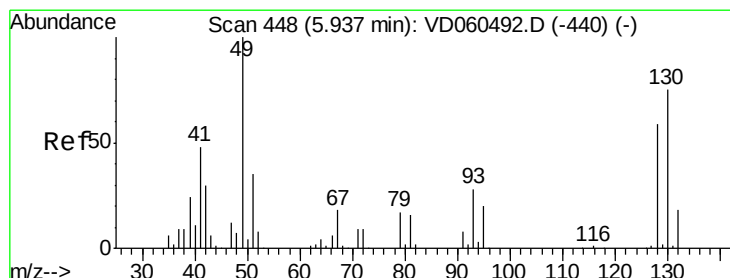
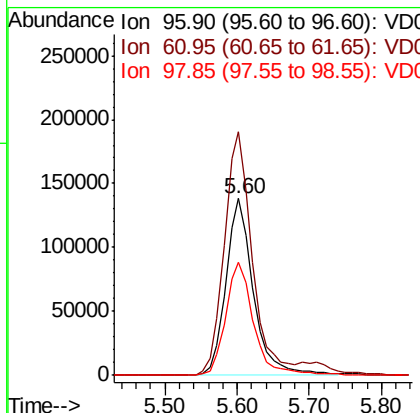
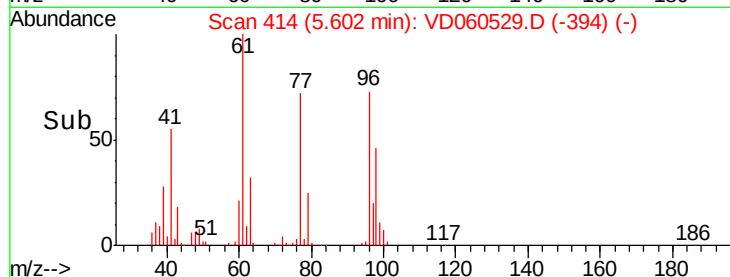
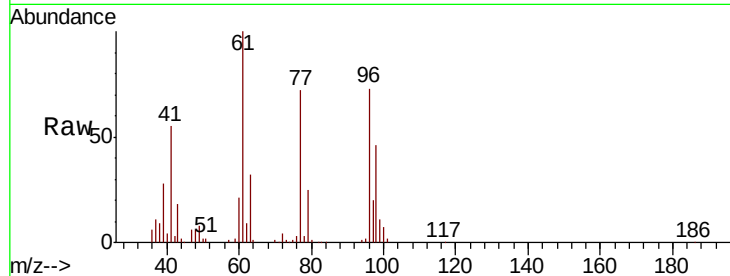
cis-1,2-Dichloroethene
Concen: 21.047 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	364828		
61	137.8	0.0	263.6	
98	64.0	0.0	128.2	

Manual Integrations
APPROVED

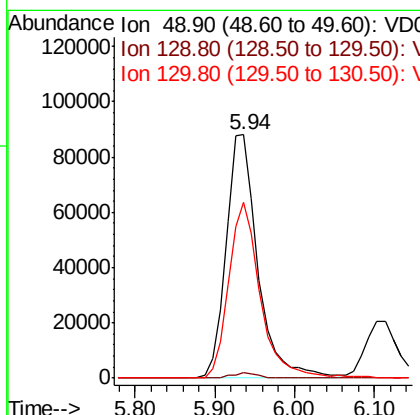
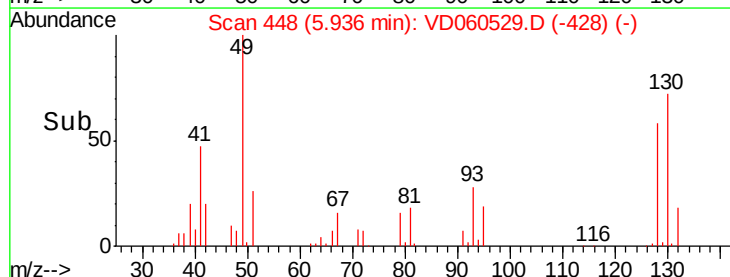
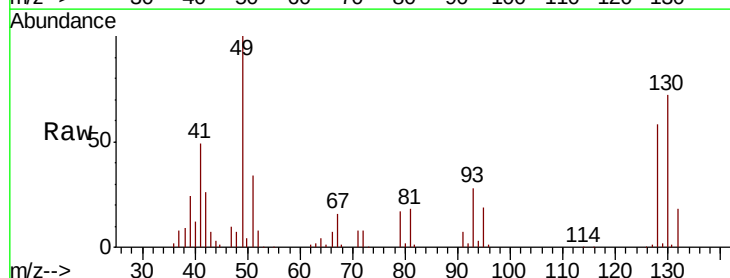
MMDadoda
12/12/2018 1:30:04 PM

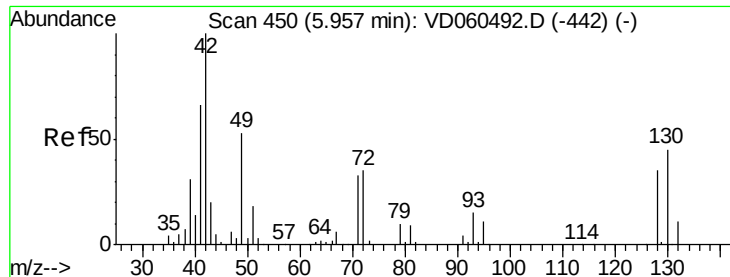


#28

Bromochloromethane
Concen: 20.024 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	246026		
129	2.1	0.0	3.4	
130	72.4	59.8	89.6	





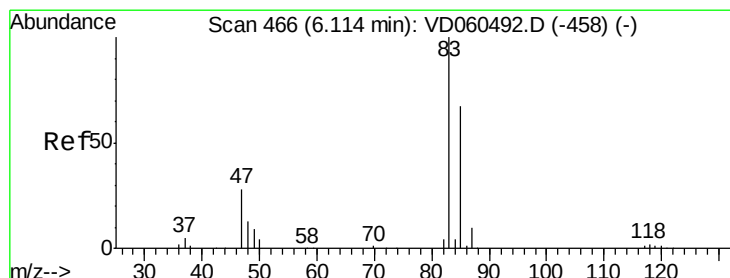
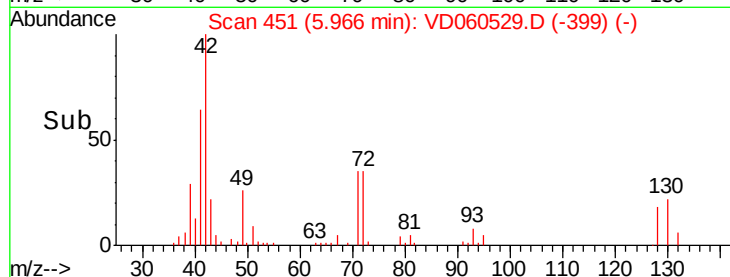
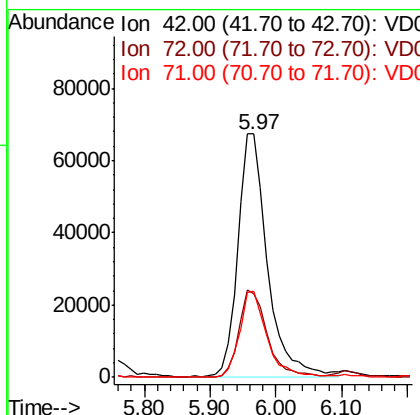
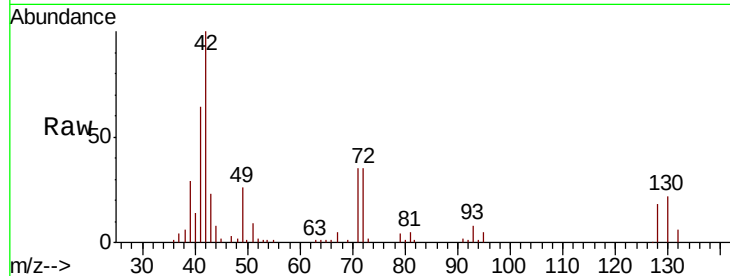
#29
Tetrahydrofuran
Concen: 107.881 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.0	42.0
71	32.9	27.2	40.8

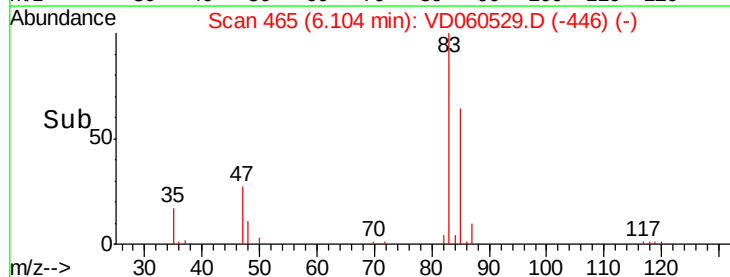
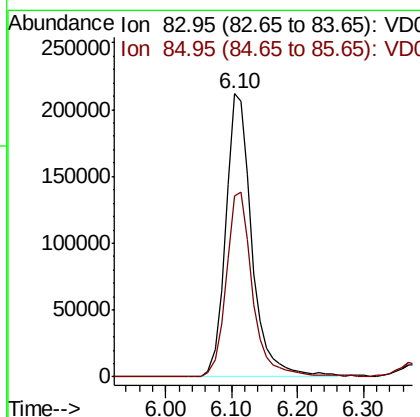
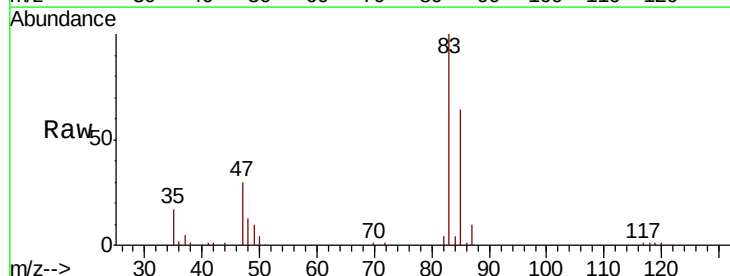
Manual Integrations
APPROVED

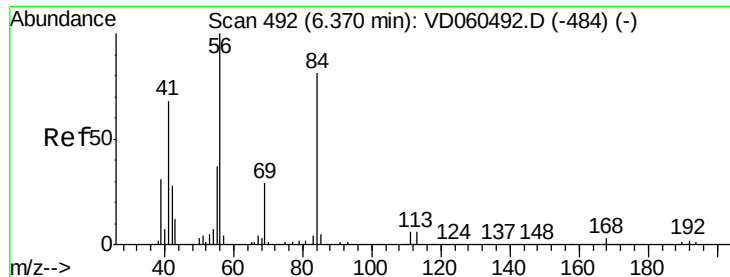
MMDadoda
12/12/2018 1:30:04 PM



#30
Chloroform
Concen: 21.094 ug/l
RT: 6.10 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.4	80.2





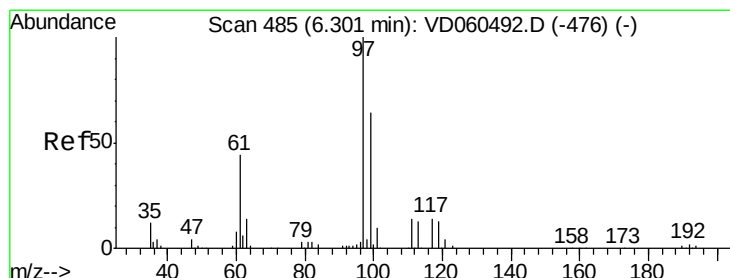
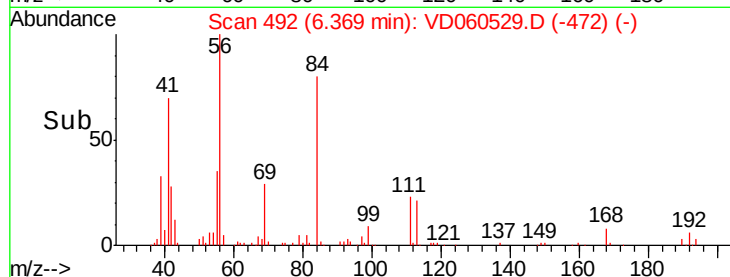
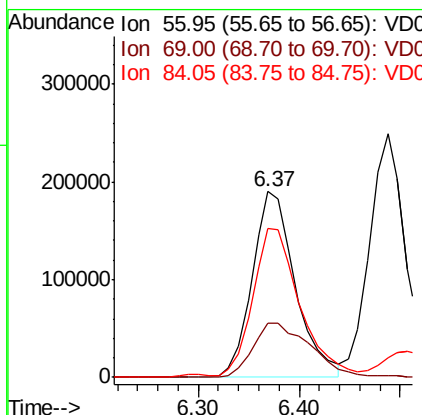
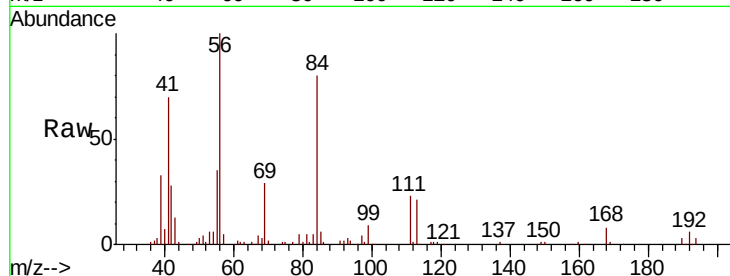
#31
Cyclohexane
Concen: 21.561 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	22.8	34.2
84	80.4	65.1	97.7

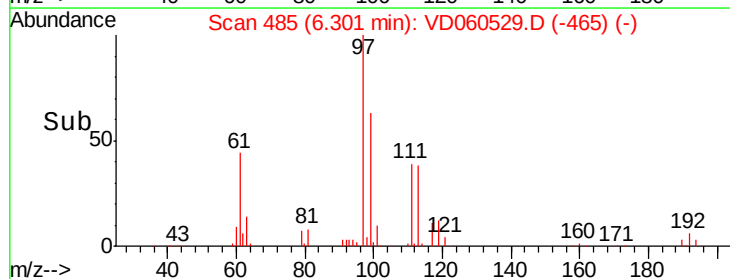
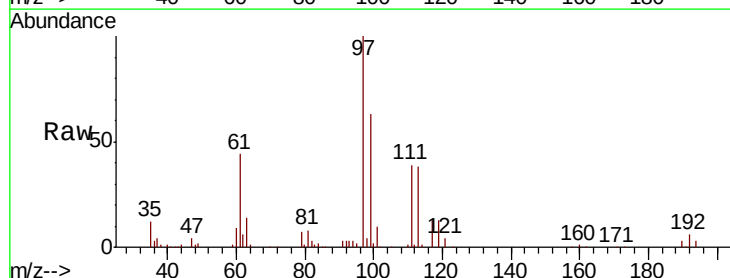
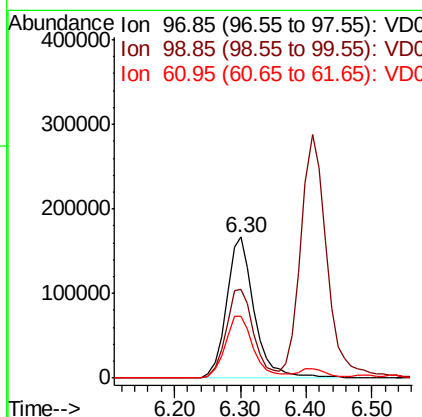
Manual Integrations
APPROVED

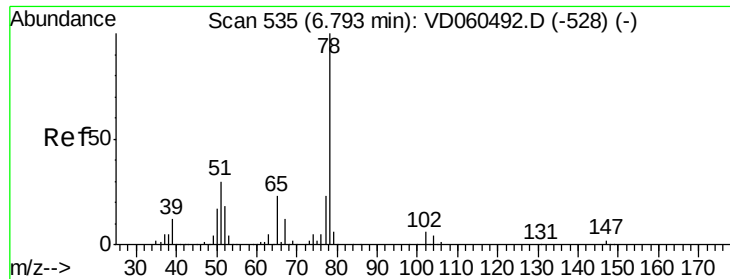
MMDadoda
12/12/2018 1:30:04 PM



#32
1,1,1-Trichloroethane
Concen: 21.312 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.4
61	44.0	35.3	52.9





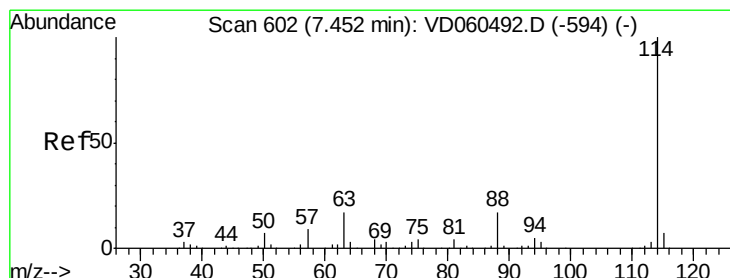
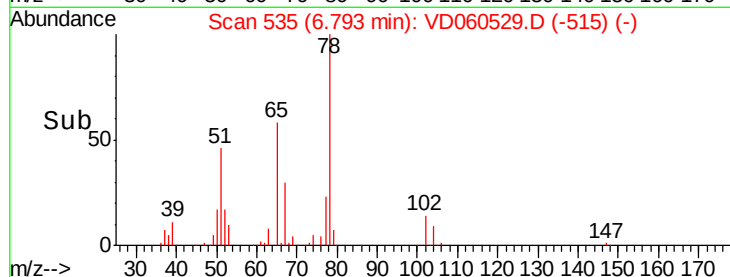
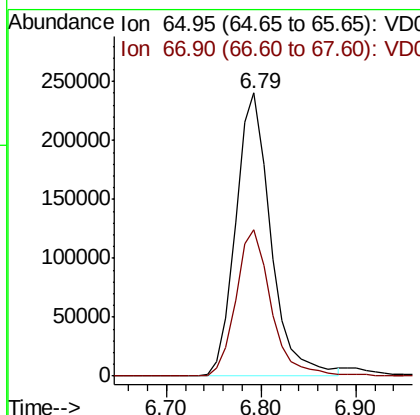
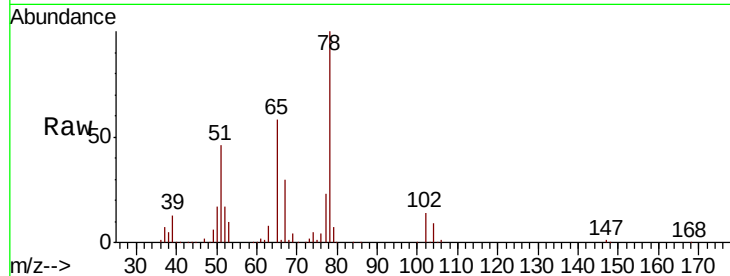
#33
 1,2-Dichloroethane-d4
 Concen: 21.312 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.8

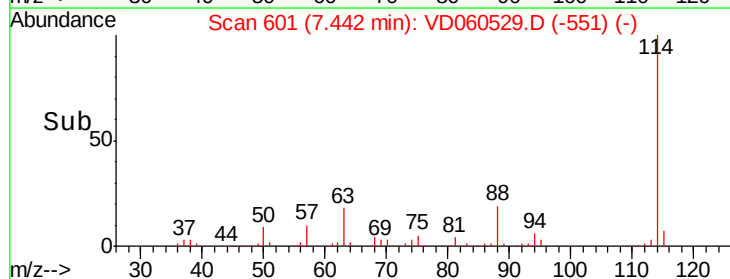
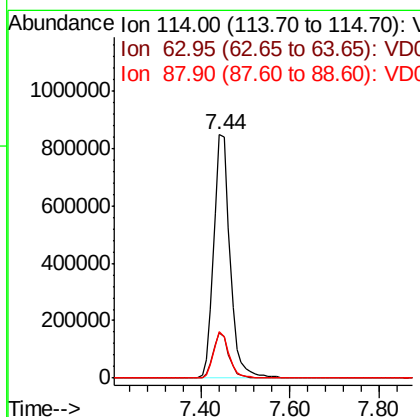
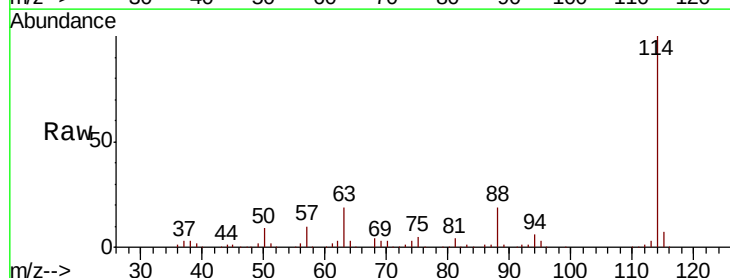
Manual Integrations
 APPROVED

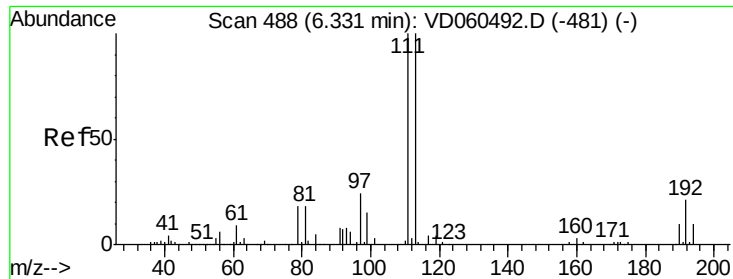
MMDadoda
 12/12/2018 1:30:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	34.2
88	18.9	0.0	35.0





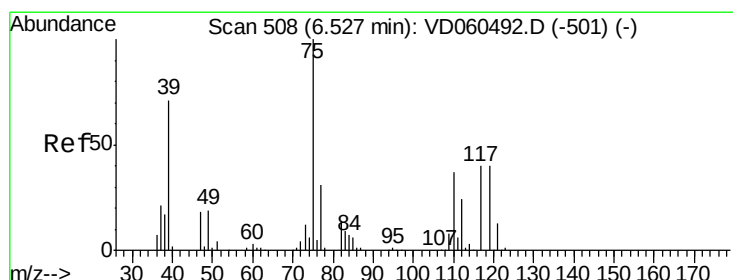
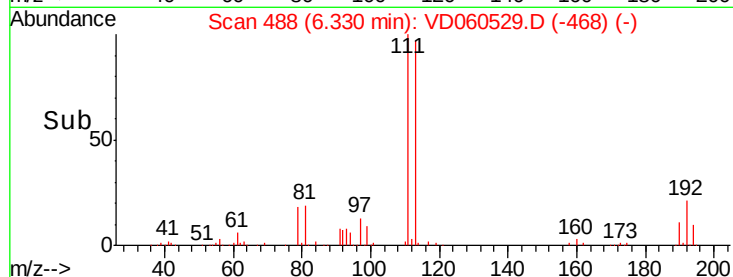
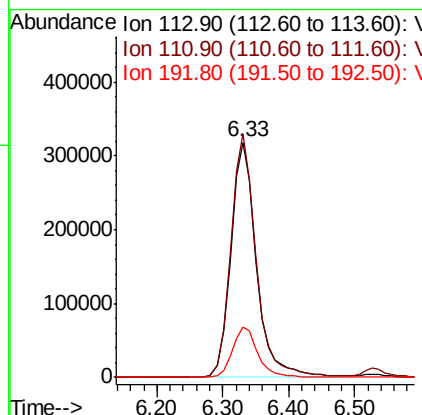
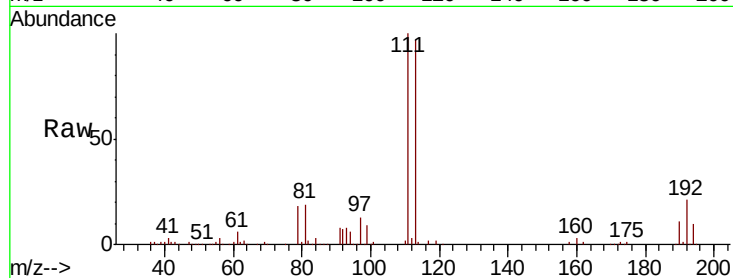
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.33 min Scan# 488
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	866503		
111	103.5	80.2	120.4	
192	21.4	16.6	24.8	

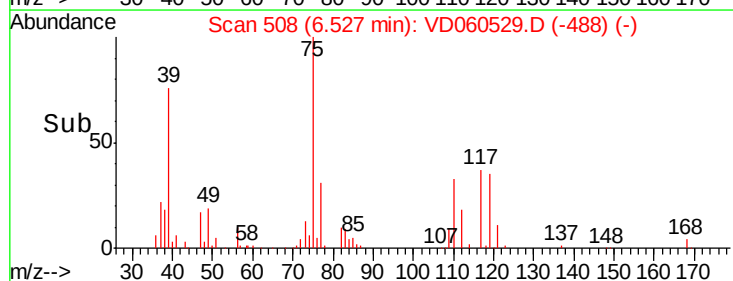
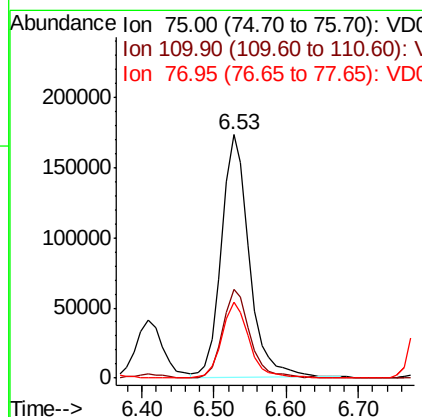
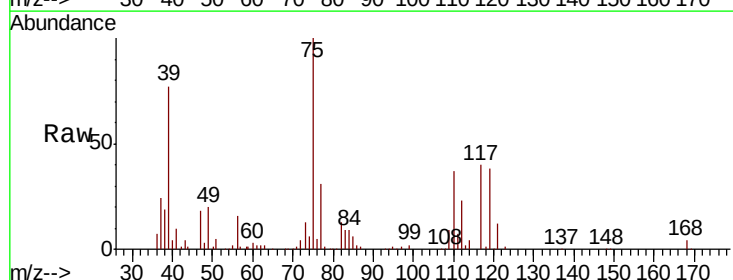
Manual Integrations
APPROVED

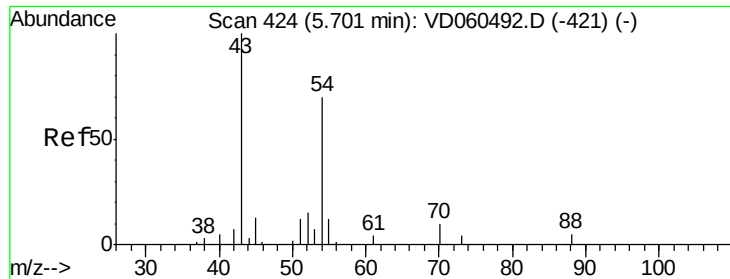
MMDadoda
12/12/2018 1:30:04 PM



#36
1,1-Dichloropropene
Concen: 21.772 ug/l
RT: 6.53 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	457831		
110	36.7	18.3	54.8	
77	31.1	24.6	37.0	





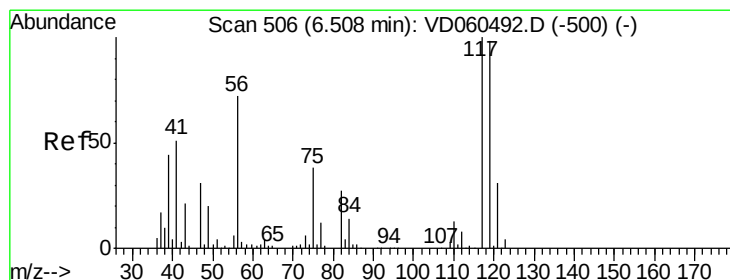
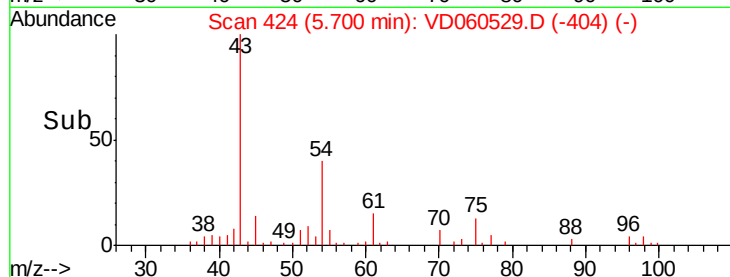
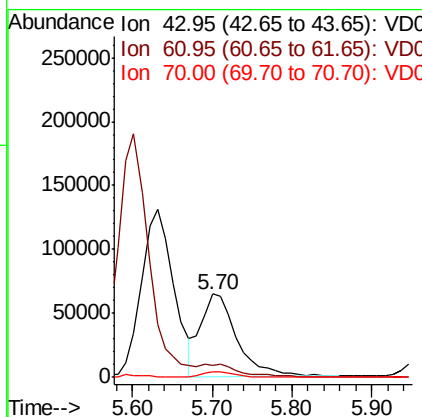
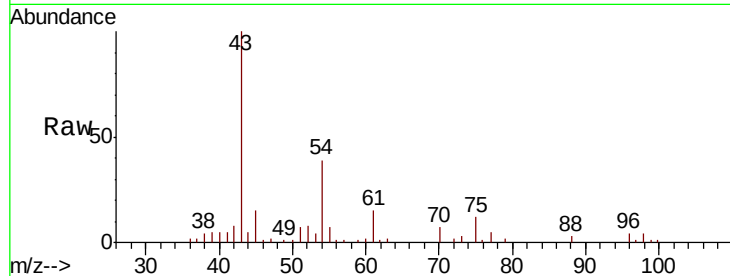
#37
Ethyl Acetate
Concen: 22.241 ug/l
RT: 5.70 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.4	18.6
70	7.2	5.4	8.0

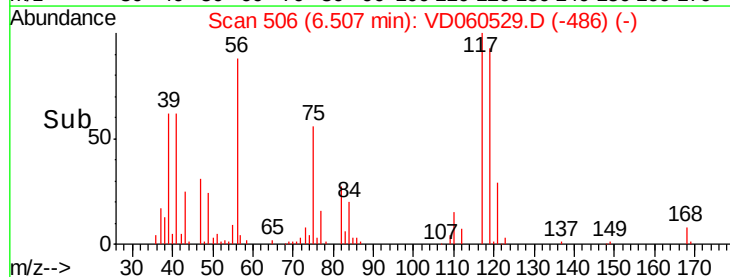
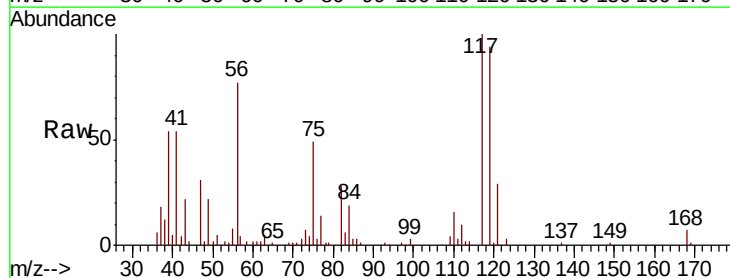
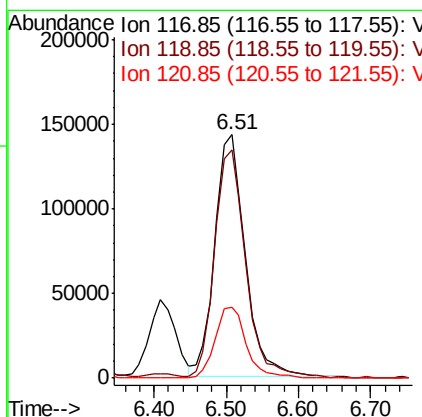
Manual Integrations
APPROVED

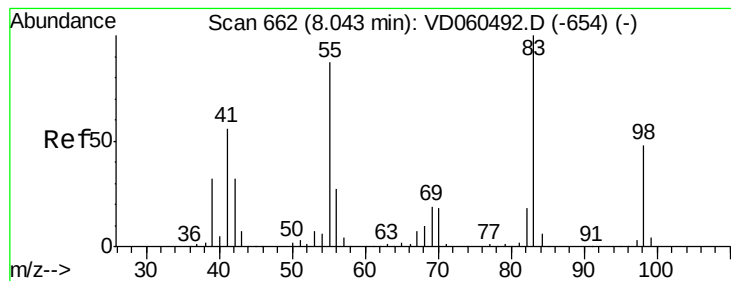
MMDadoda
12/12/2018 1:30:04 PM



#38
Carbon Tetrachloride
Concen: 21.980 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.8	115.2
121	29.1	24.4	36.6





#39

Methylvlcyclohexane

Concen: 21.450 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

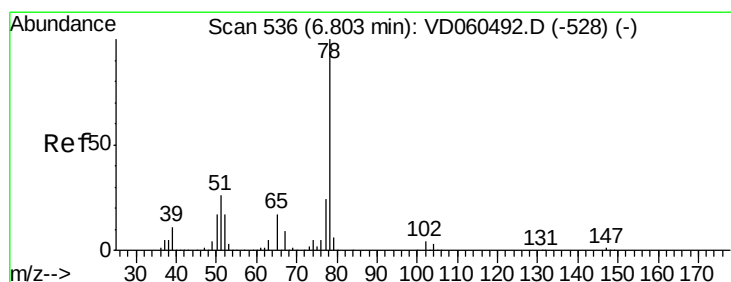
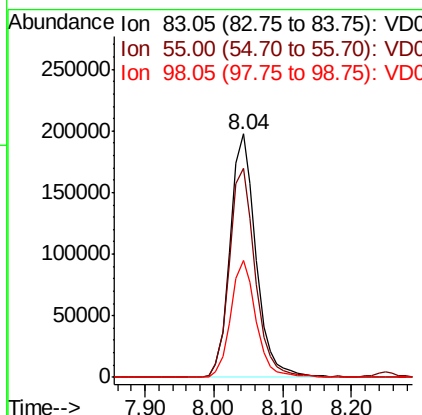
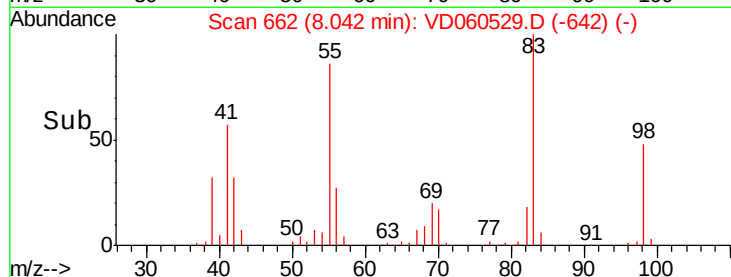
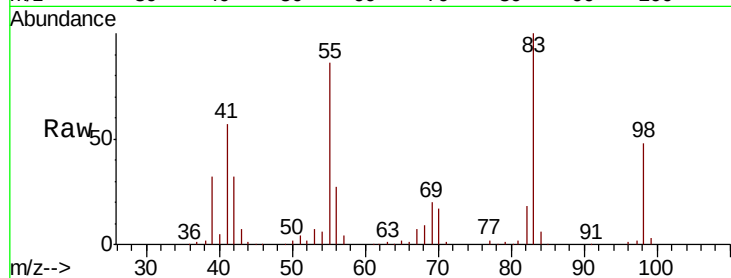
ClientSampleId :

VD1211SBS01

Tot Ion:	83	Resp:	514204
Ion Ratio	Lower	Upper	
83	100		
55	85.6	69.8	104.8
98	48.2	38.4	57.6

Manual Integrations
APPROVED

MMDadoda
12/12/2018 1:30:04 PM



#40

Benzene

Concen: 21.489 ug/l

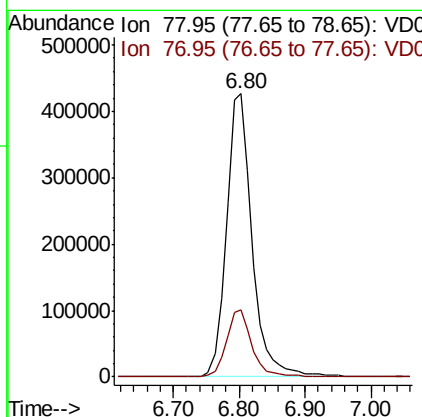
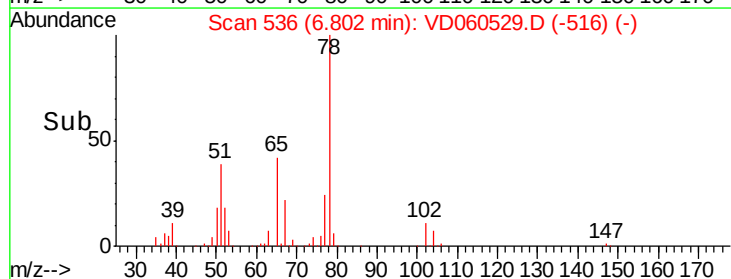
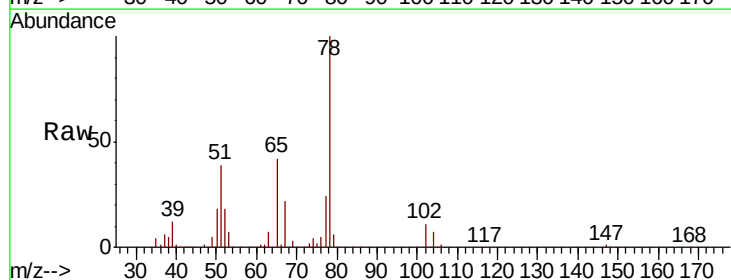
RT: 6.80 min Scan# 536

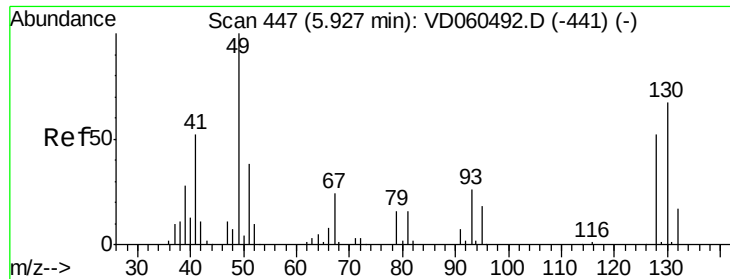
Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion:	78	Resp:	1154847
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.9	28.3





#41

Methacrylonitrile

Concen: 19.482 ug/l m

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 41 Resp: 95777

Ion Ratio Lower Upper

41 100

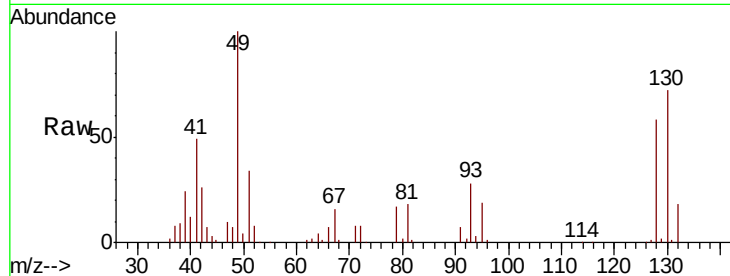
39 48.2 42.6 63.8

67 33.6 36.2 54.4#

52 16.5 15.6 23.4

Manual Integrations
APPROVED

MMDadoda
12/12/2018 1:30:04 PM

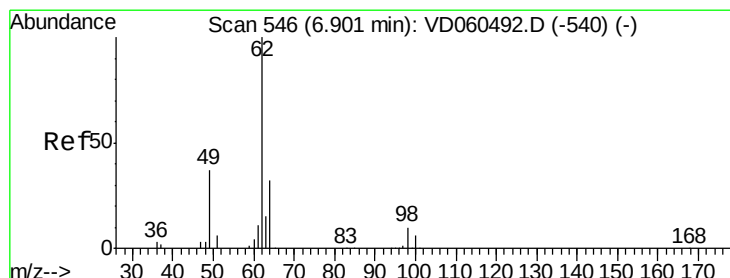
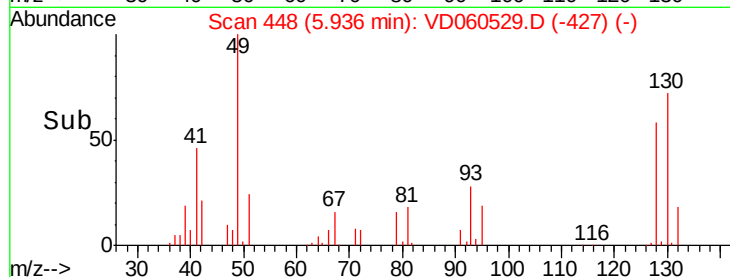
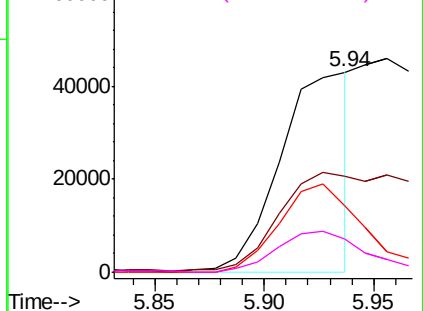


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.717 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060529.D

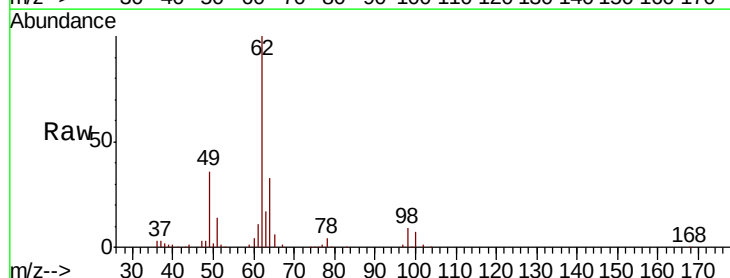
Acq: 11 Dec 2018 12:14

Tgt Ion: 62 Resp: 296742

Ion Ratio Lower Upper

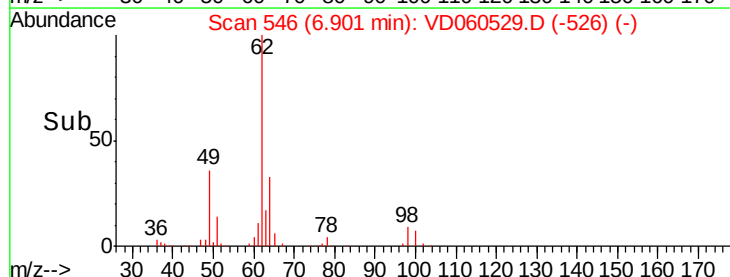
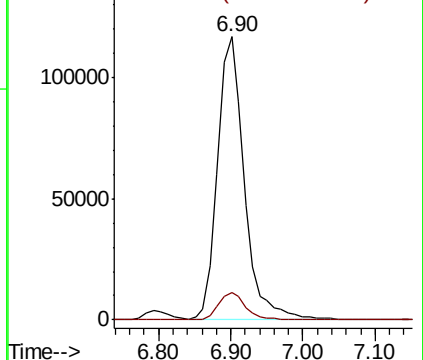
62 100

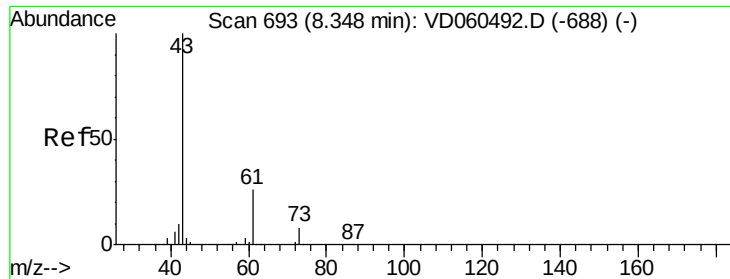
98 9.5 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





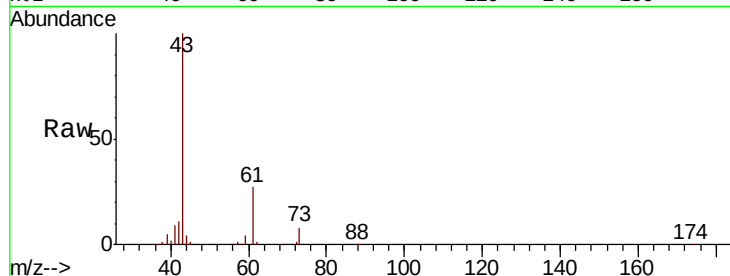
#43
Isopropyl Acetate
Concen: 23.084 ug/l
RT: 8.35 min Scan# 693
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

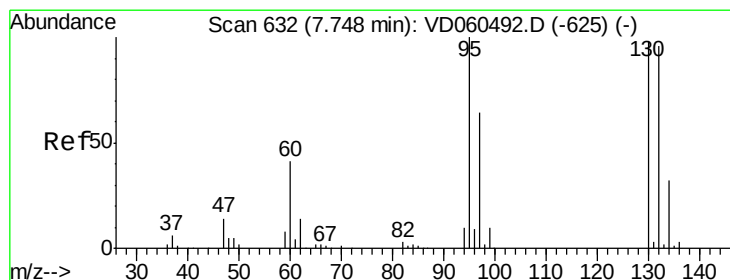
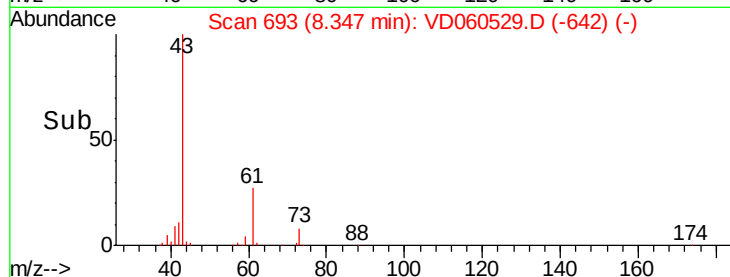
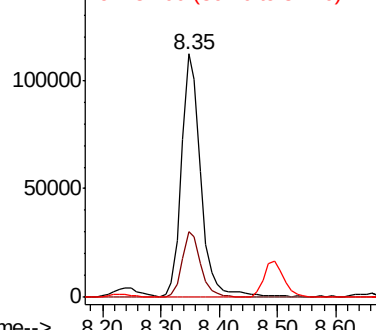
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.4
87	0.0	0.2	0.2#

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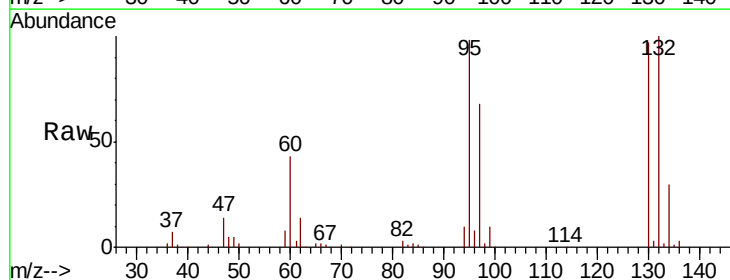


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

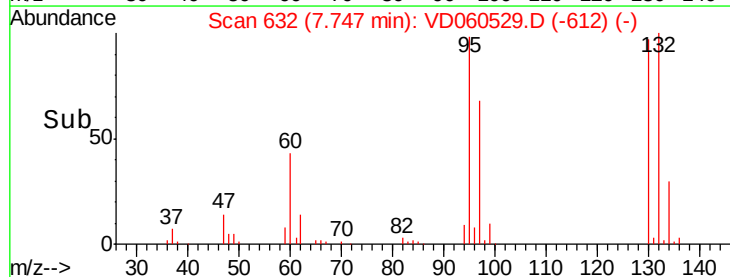
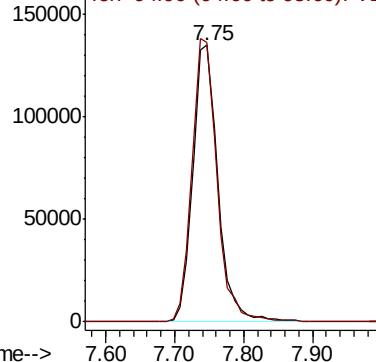


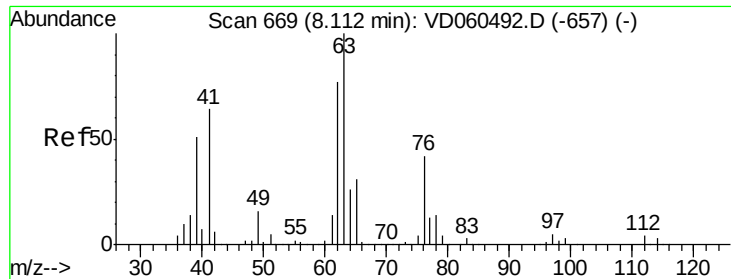
#44
Trichloroethene
Concen: 21.211 ug/l
RT: 7.75 min Scan# 632
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	203.8



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





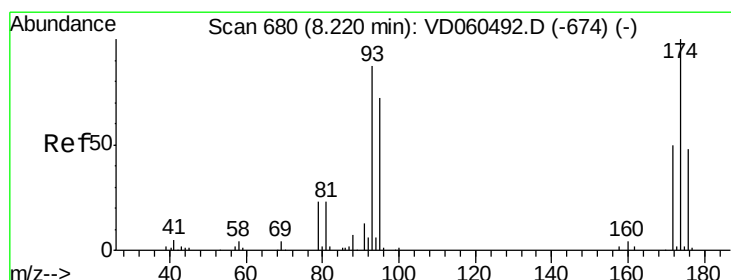
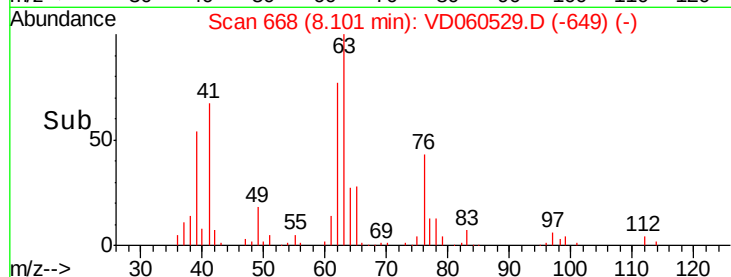
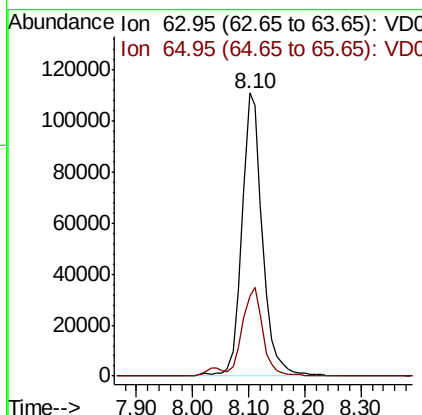
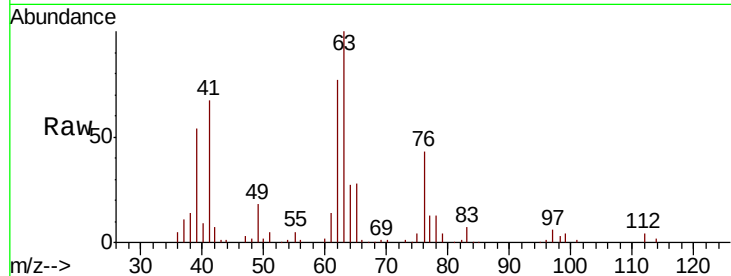
#45
 1,2-Dichloropropane
 Concen: 21.125 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion: 63 Resp: 280790
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.6 37.0

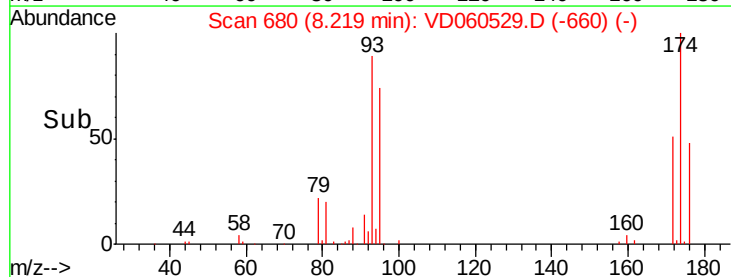
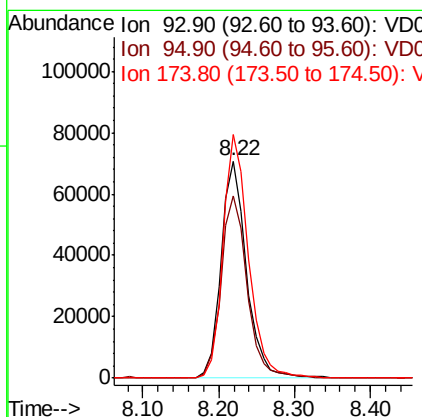
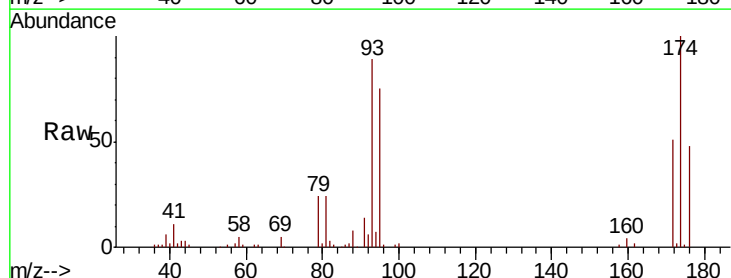
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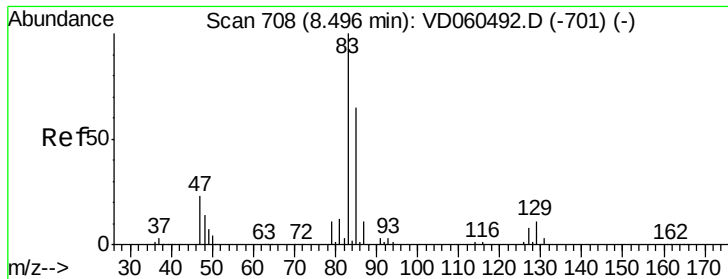
MMDadoda
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#46
 Dibromomethane
 Concen: 21.482 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion: 93 Resp: 164971
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.6 98.4
 174 112.1 91.7 137.5





#47

Bromodichloromethane

Concen: 21.511 ug/l

RT: 8.50 min Scan# 708

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

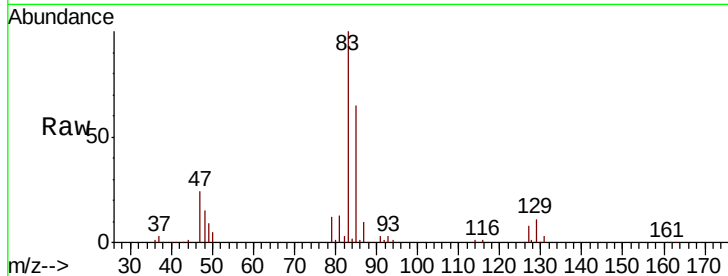
ClientSampleId :

VD1211SBS01

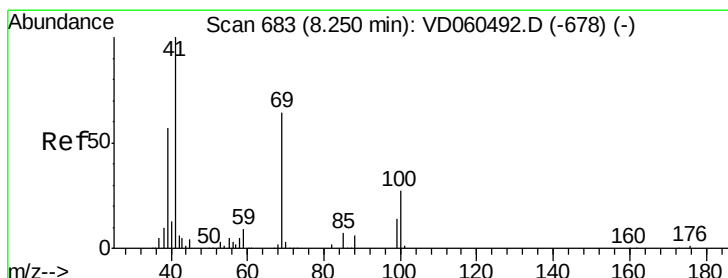
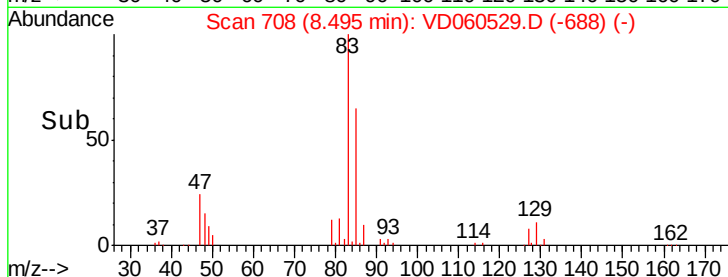
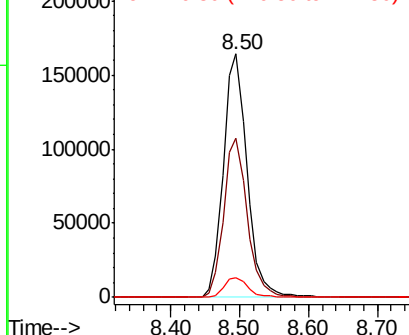
Tot Ion:	83	Resp:	391966
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4
127	8.0	6.7	10.1

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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: 22.679 ug/l

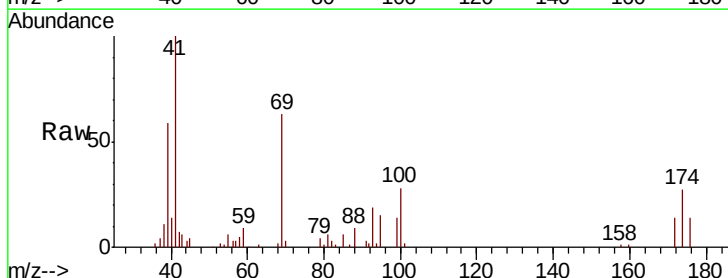
RT: 8.25 min Scan# 683

Delta R.T. -0.00 min

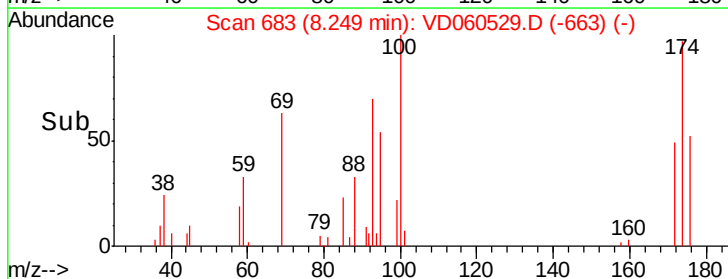
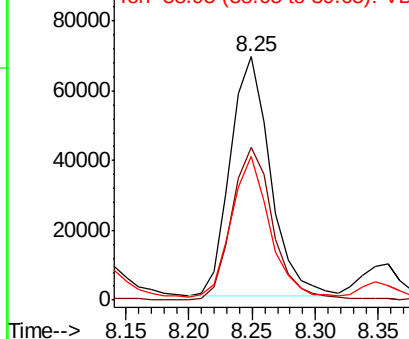
Lab File: VD060529.D

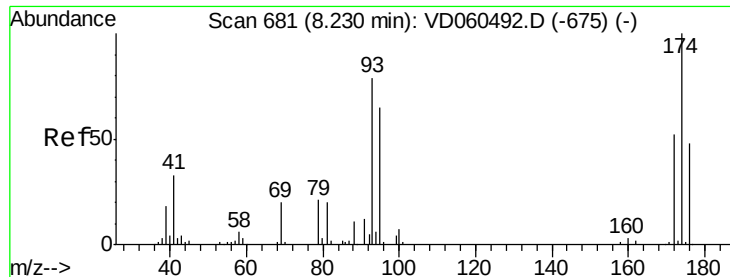
Acq: 11 Dec 2018 12:14

Tgt Ion:	41	Resp:	151062
Ion	Ratio	Lower	Upper
41	100		
69	62.9	50.2	75.4
39	58.9	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





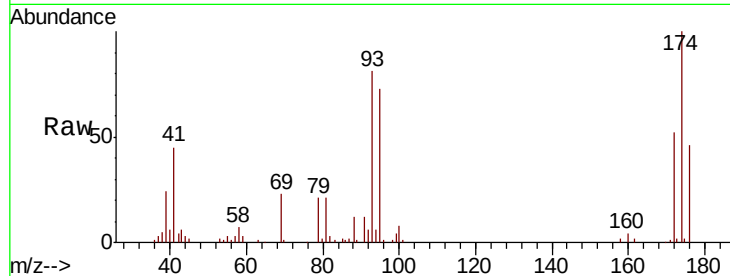
#49
1,4-Dioxane
Concen: 472.515 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

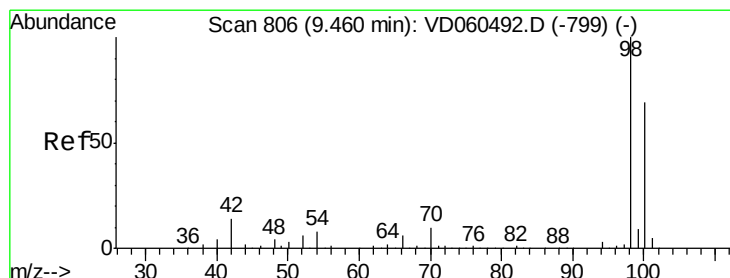
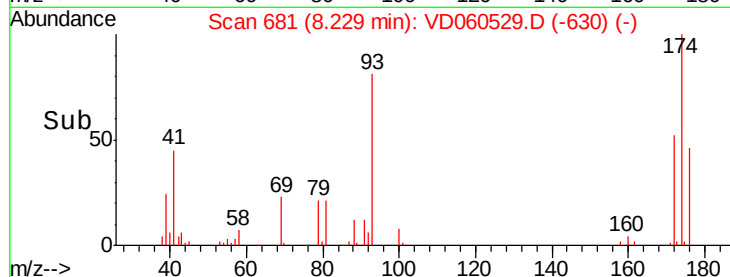
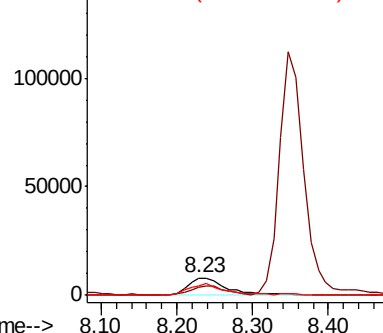
Tot Ion	Ratio	Lower	Upper
88	100		
43	49.2	32.9	49.3
58	55.8	47.7	71.5

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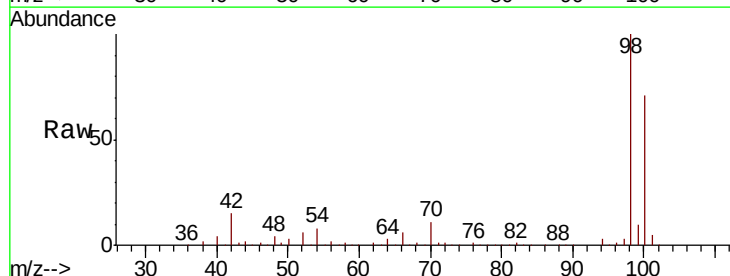


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

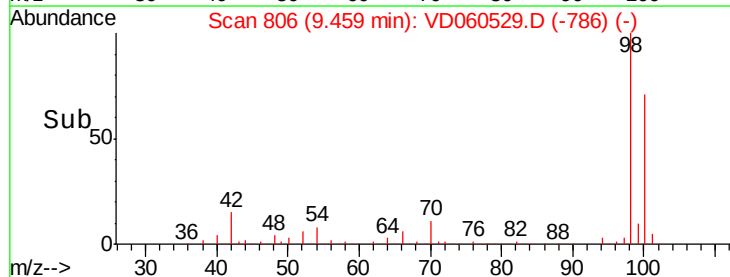
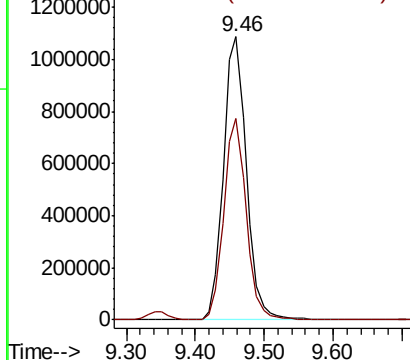


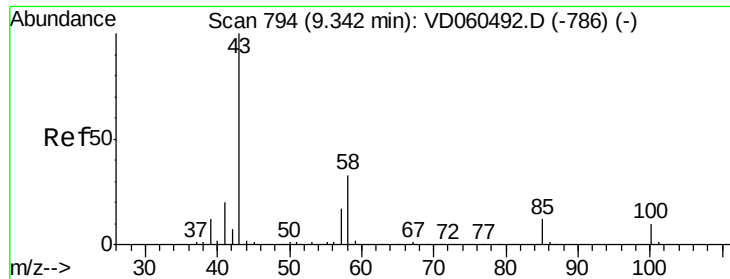
#50
Toluene-d8
Concen: 472.515 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.1	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: 109.803 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 43 Resp: 768909

Ion Ratio Lower Upper

43 100

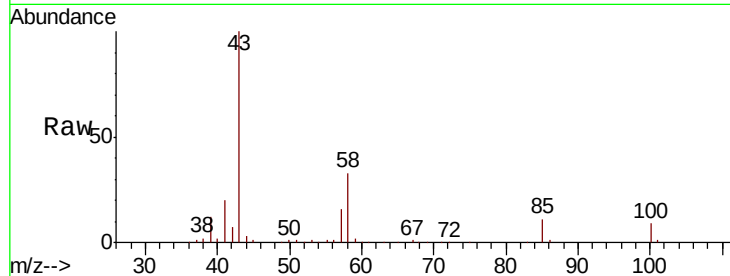
58 32.6 26.3 39.5

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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

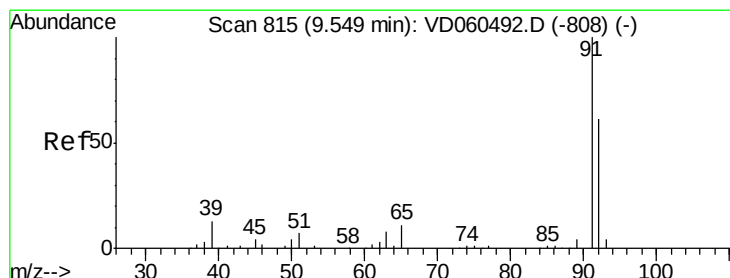
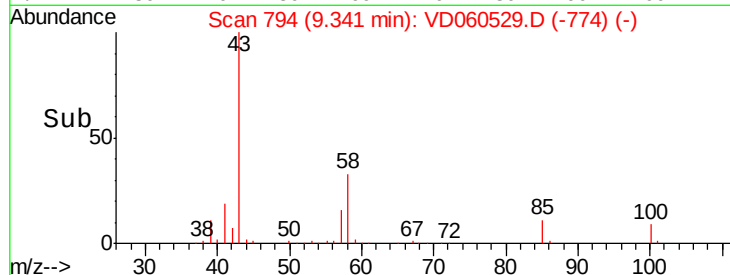
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.791 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060529.D

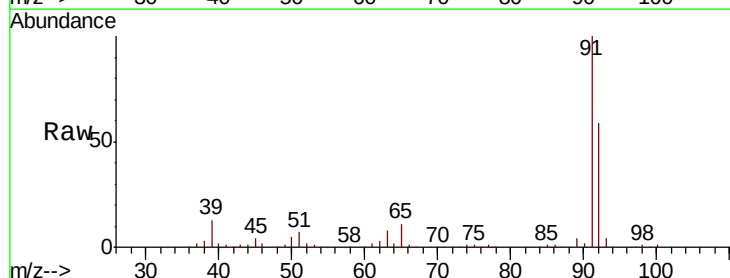
Acq: 11 Dec 2018 12:14

Tgt Ion: 92 Resp: 731944

Ion Ratio Lower Upper

92 100

91 169.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

600000

500000

400000

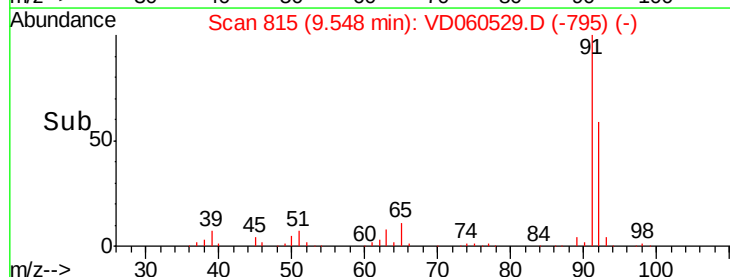
300000

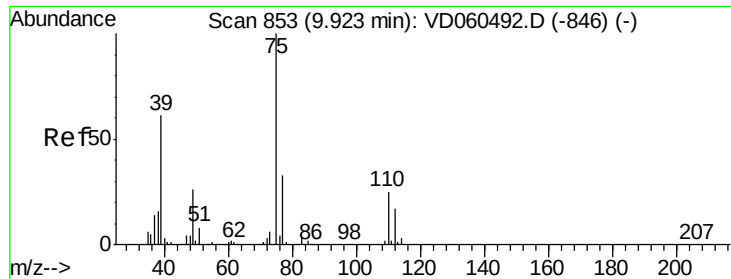
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.848 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 75 Resp: 327115

Ion Ratio Lower Upper

75 100

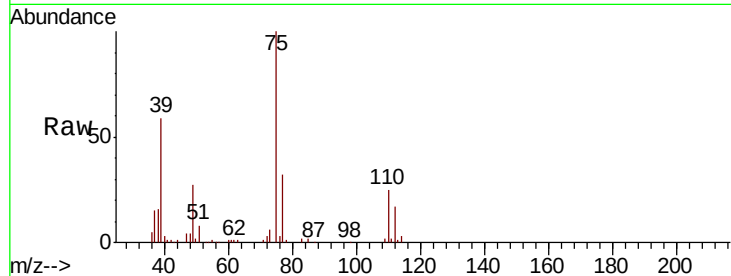
77 31.8 26.2 39.2

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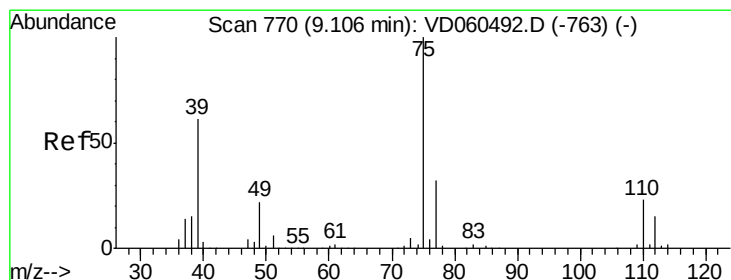
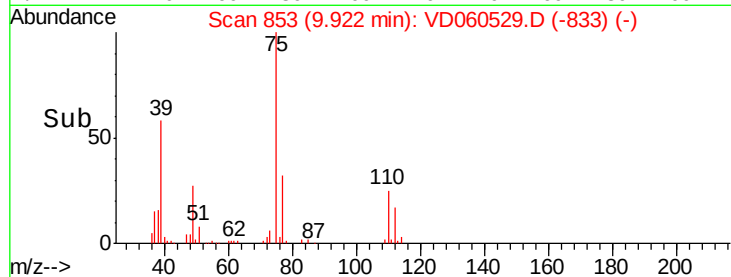
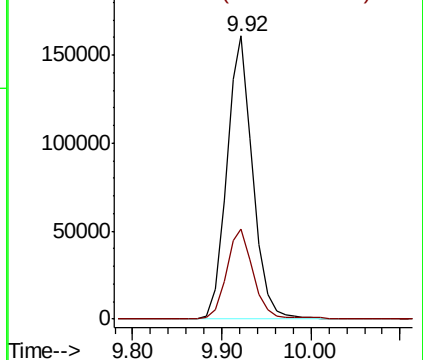
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.549 ug/l

RT: 9.11 min Scan# 770

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

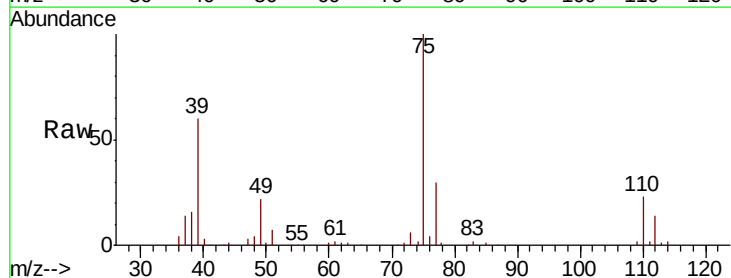
Tgt Ion: 75 Resp: 423899

Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

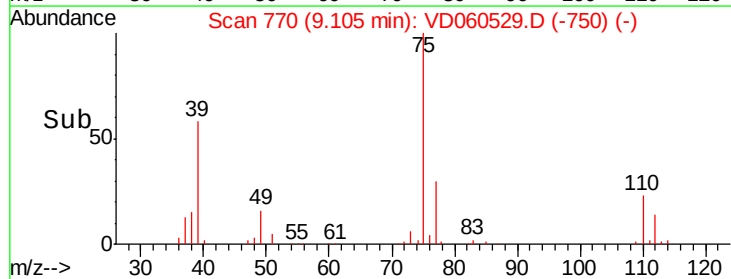
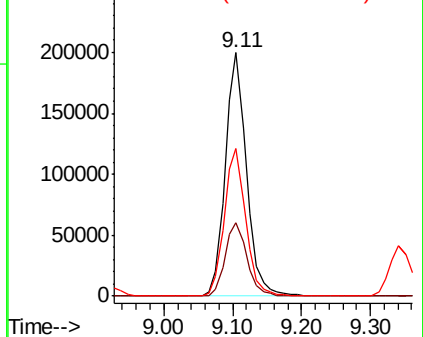
39 60.4 48.6 73.0

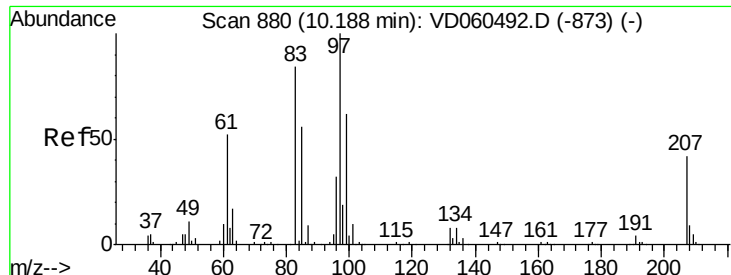


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





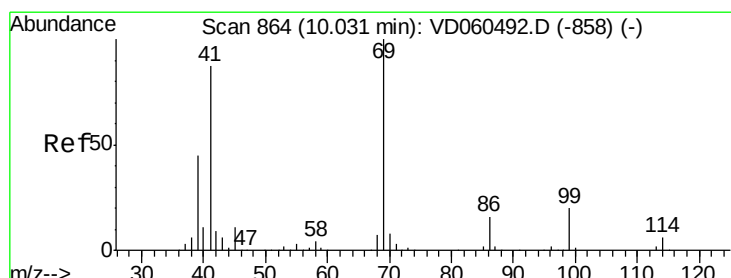
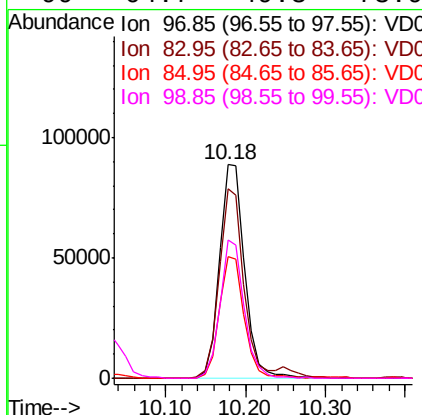
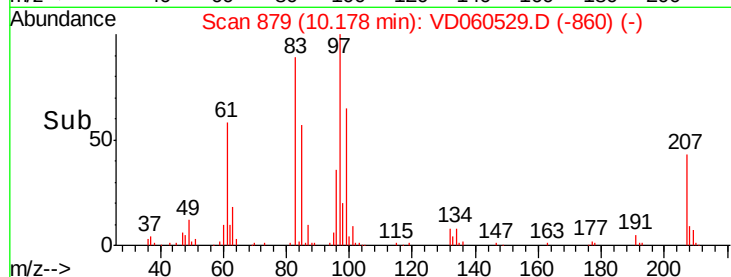
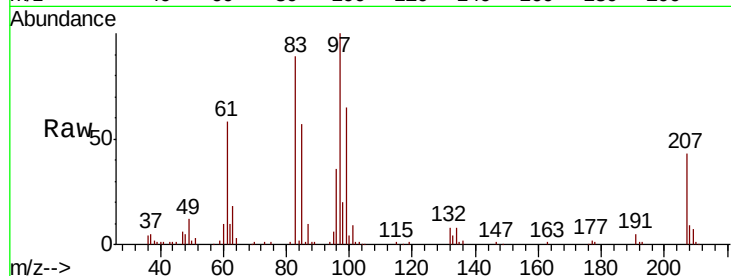
#55
 1,1,2-Trichloroethane
 Concen: 21.157 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	97	Resp	197904
Ion	Ratio	Lower	Upper
97	100		
83	88.6	67.2	100.8
85	56.7	44.5	66.7
99	64.7	49.3	73.9

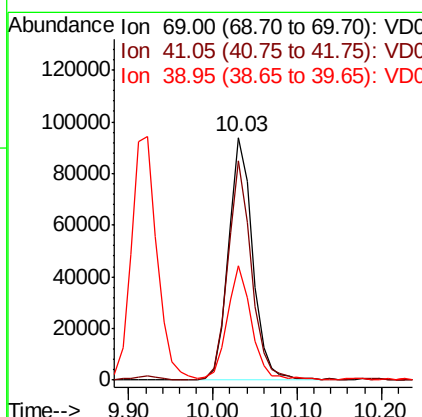
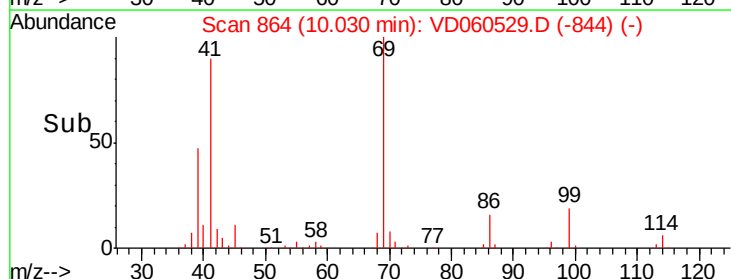
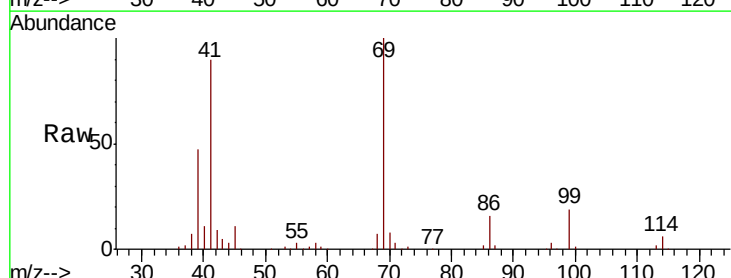
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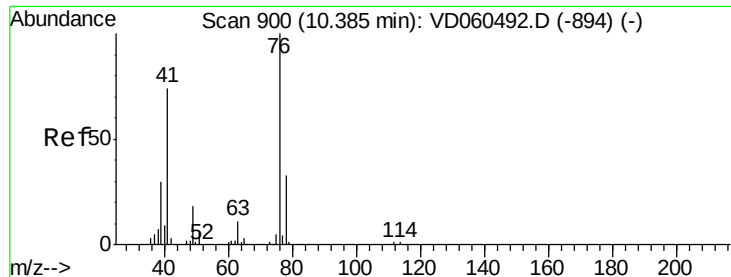
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#56
 Ethyl methacrylate
 Concen: 22.151 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	69	Resp	187524
Ion	Ratio	Lower	Upper
69	100		
41	90.5	69.8	104.8
39	47.1	37.5	56.3





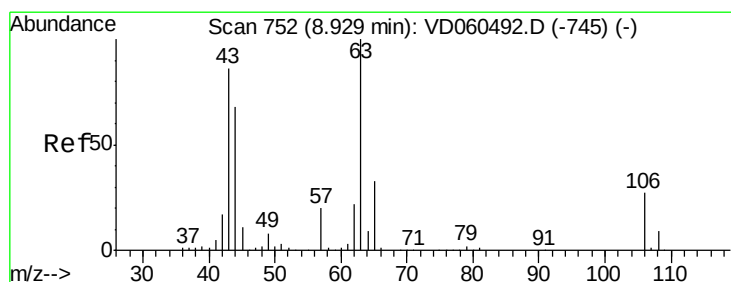
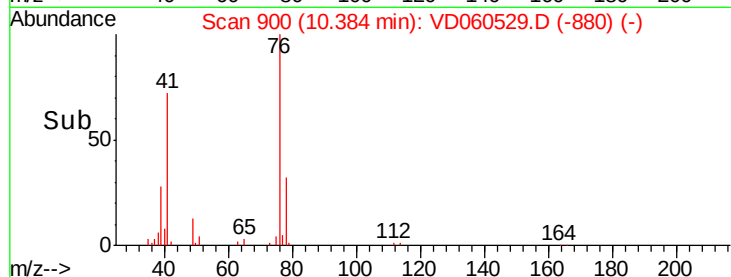
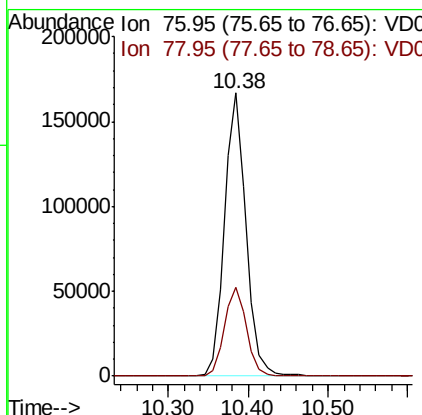
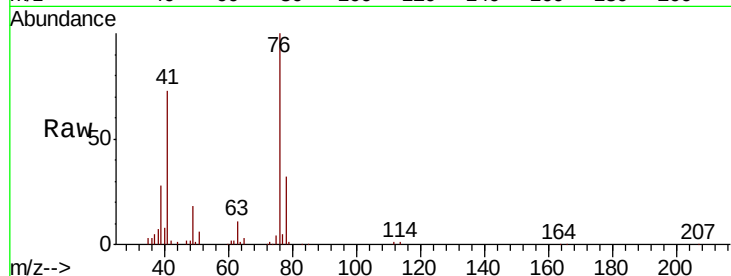
#57
 1,3-Dichloropropane
 Concen: 21.916 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1211SBSD01

Tot Ion: 76 Resp: 316908
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.1 39.1

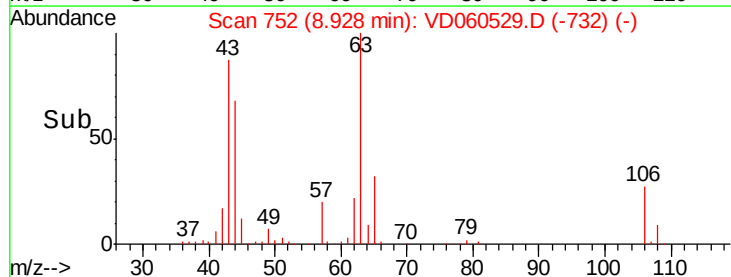
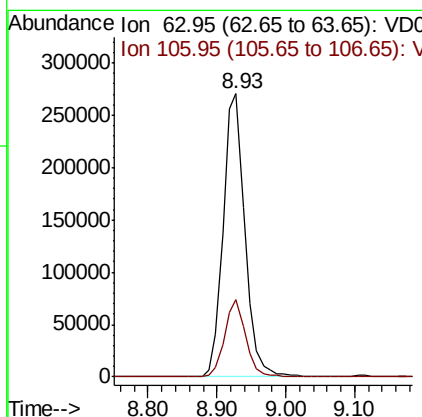
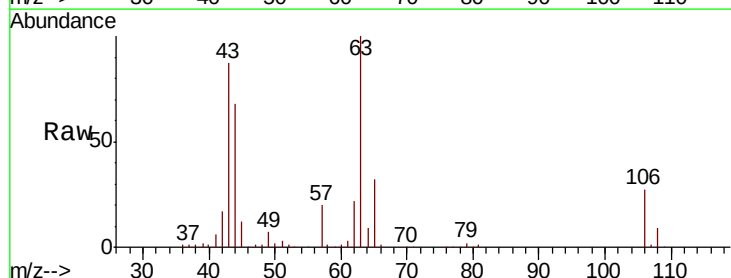
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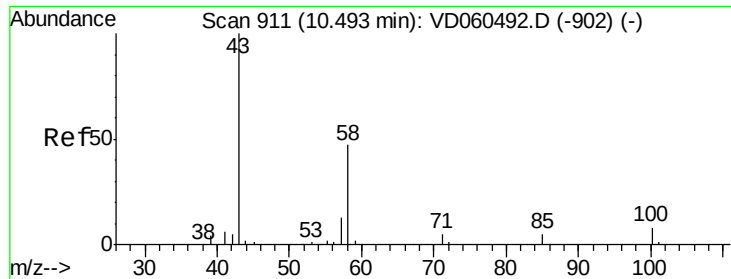
MMDadoda
 12/12/2018 1:30:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.565 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion: 63 Resp: 590447
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4





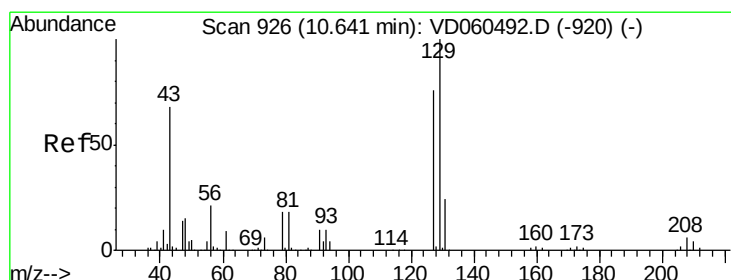
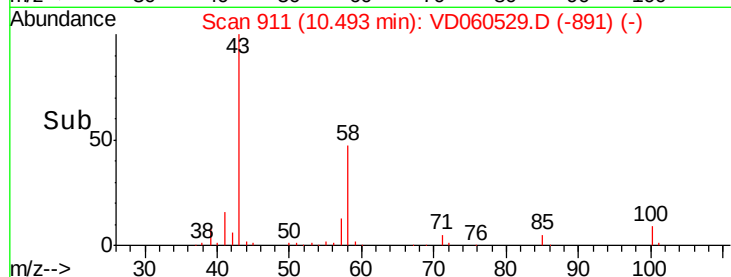
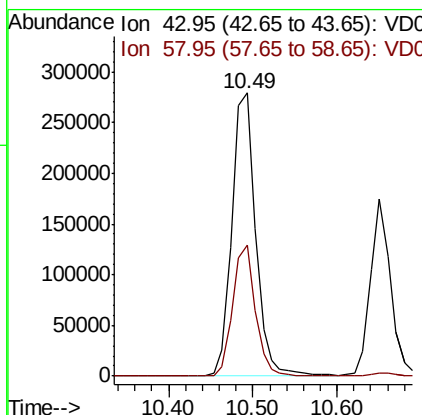
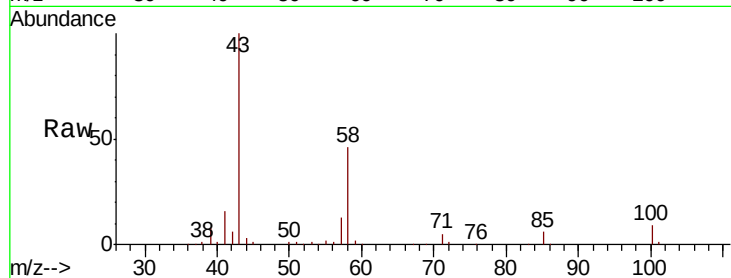
#59
2-Hexanone
Concen: 112.592 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 43 Resp: 551104
Ion Ratio Lower Upper
43 100
58 46.4 23.4 70.2

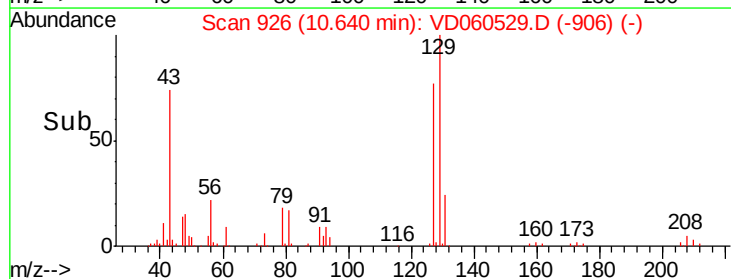
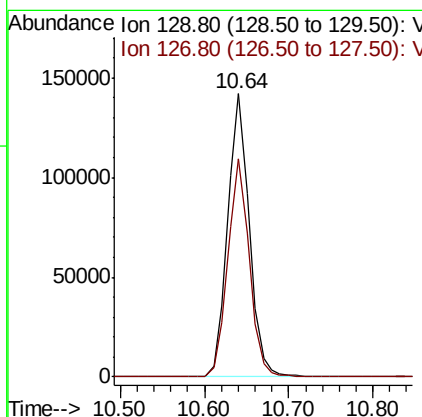
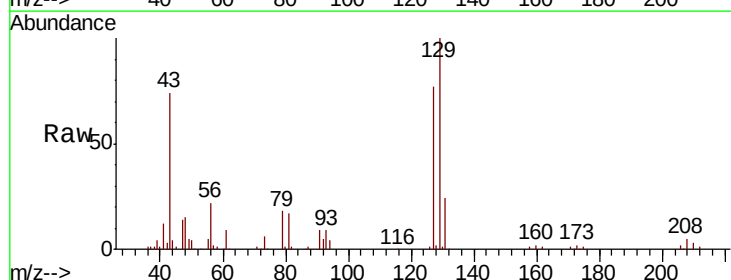
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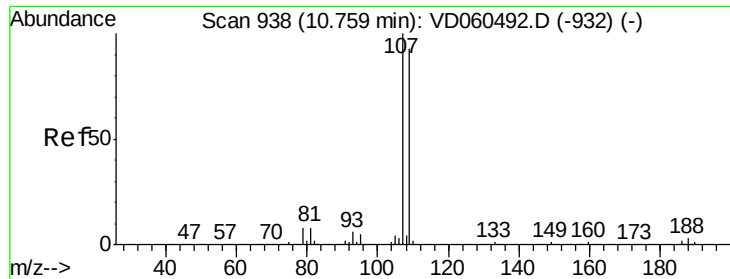
MMDadoda
12/12/2018 1:30:04 PM



#60
Dibromochloromethane
Concen: 21.576 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 129 Resp: 252336
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 22.045 ug/l

RT: 10.76 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBSD01

Tot Ion: 107 Resp: 210151

Ion Ratio Lower Upper

107 100

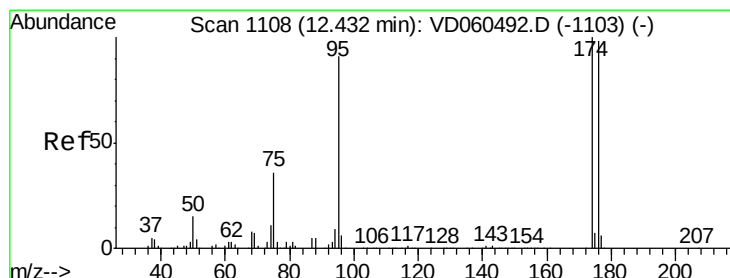
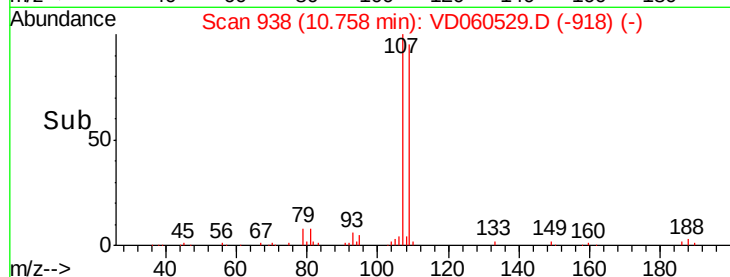
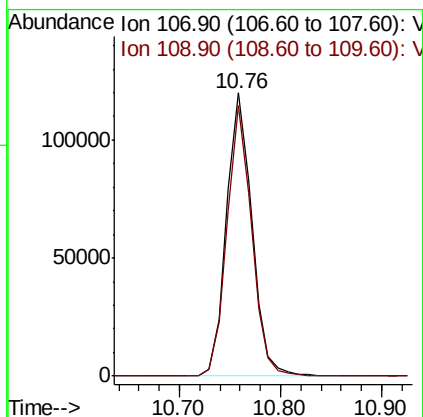
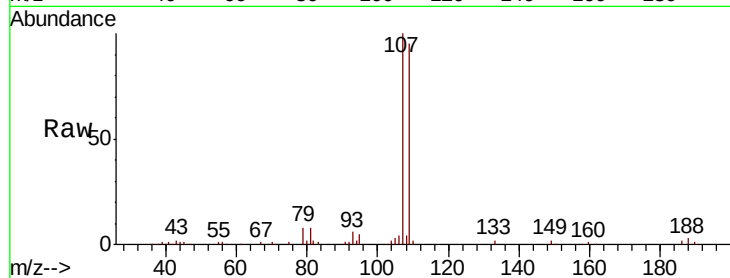
109 95.5 74.7 112.1

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#62

4-Bromofluorobenzene

Concen: 22.045 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

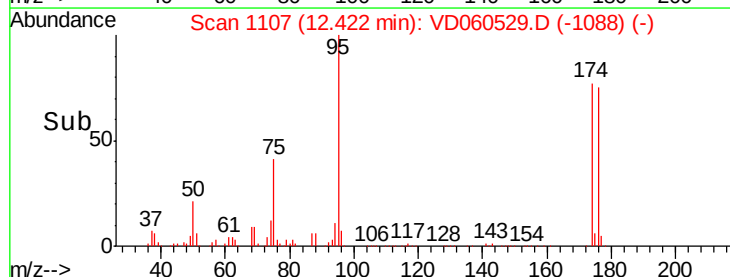
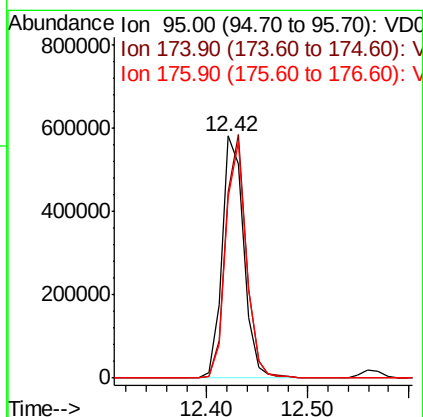
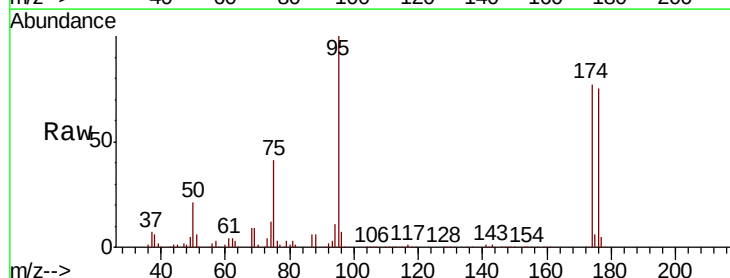
Tgt Ion: 95 Resp: 872205

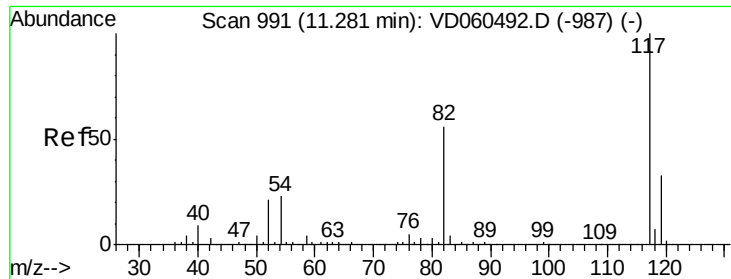
Ion Ratio Lower Upper

95 100

174 76.8 0.0 219.4

176 74.8 0.0 214.6





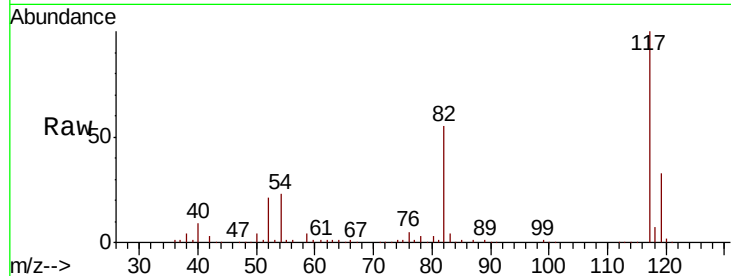
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

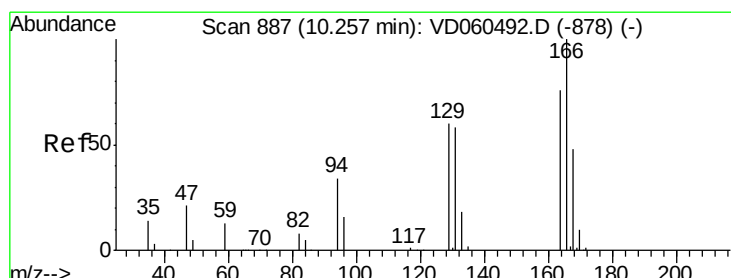
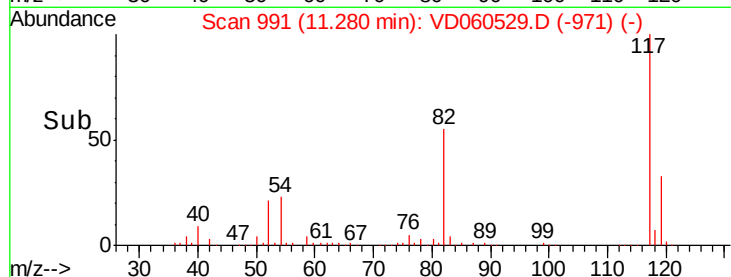
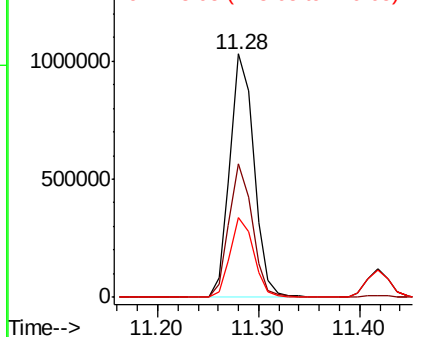
Tot Ion:117 Resp: 1716408
Ion Ratio Lower Upper
117 100
82 55.0 45.2 67.8
119 32.6 26.1 39.1

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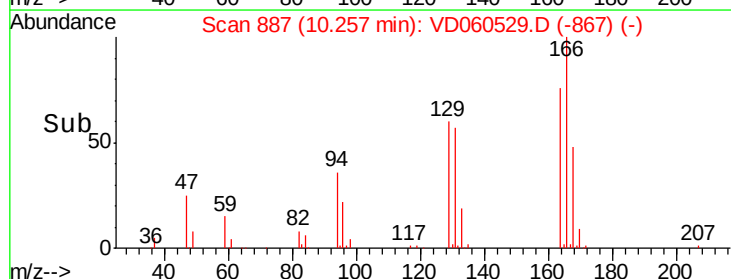
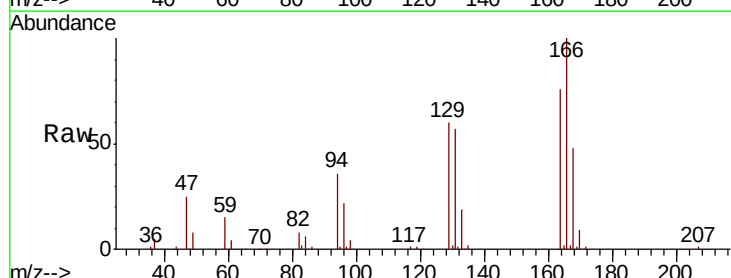
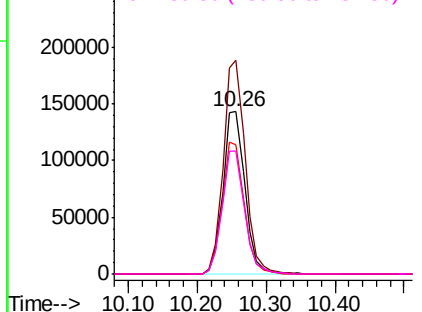
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

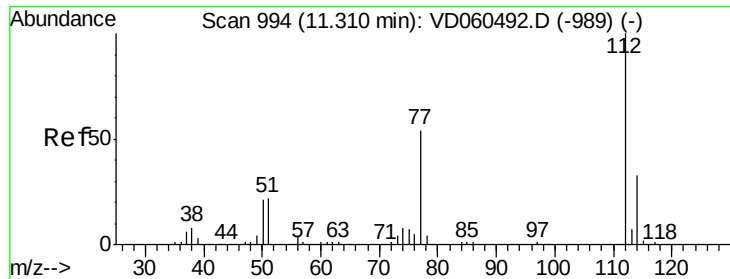


#64
Tetrachloroethene
Concen: 20.778 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:164 Resp: 315796
Ion Ratio Lower Upper
164 100
166 131.6 105.0 157.6
129 79.3 63.0 94.4
131 75.5 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





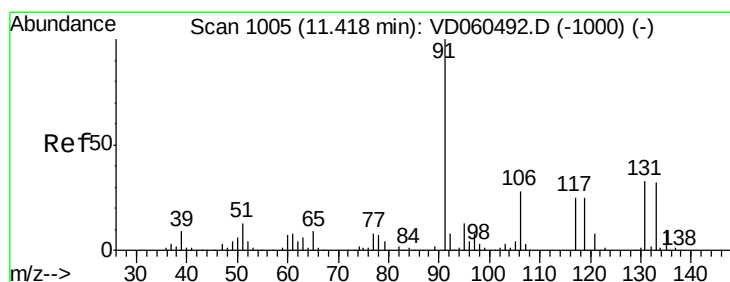
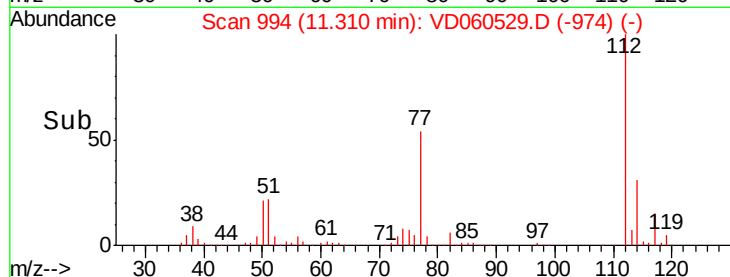
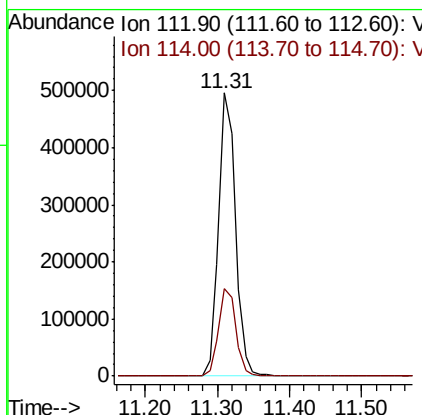
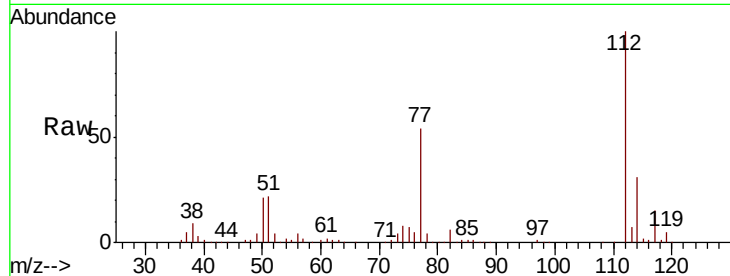
#65
Chlorobenzene
Concen: 22.001 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBSD01

Tot Ion:112 Resp: 798903
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4

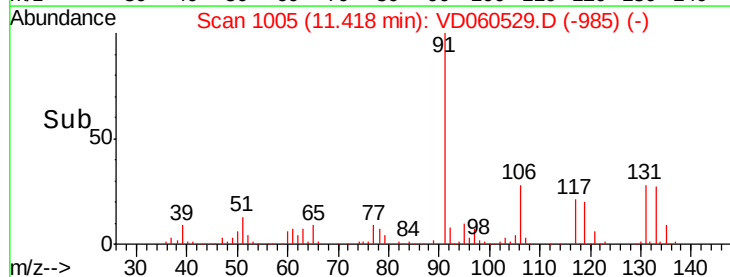
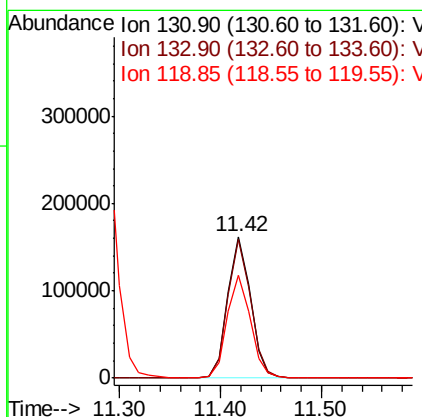
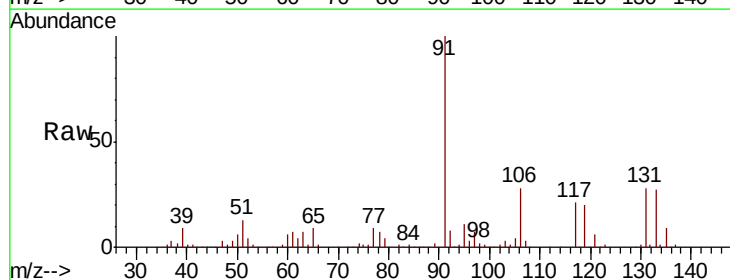
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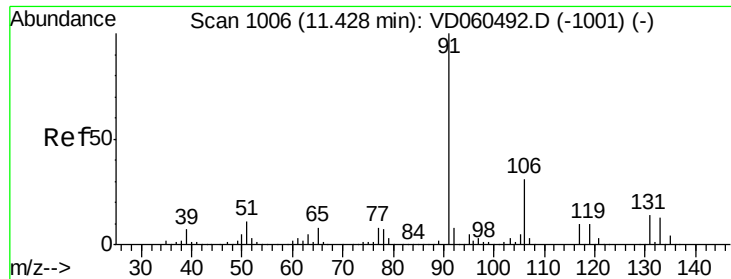
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.005 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:131 Resp: 257540
Ion Ratio Lower Upper
131 100
133 97.7 49.1 147.3
119 72.7 37.5 112.3





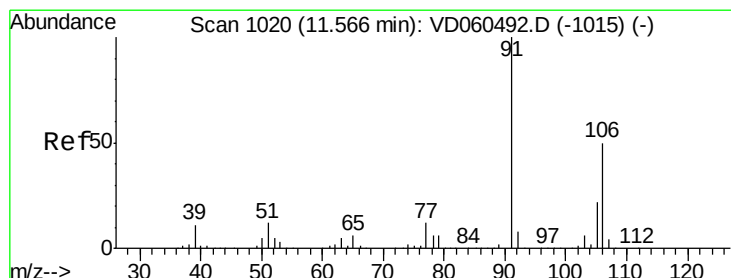
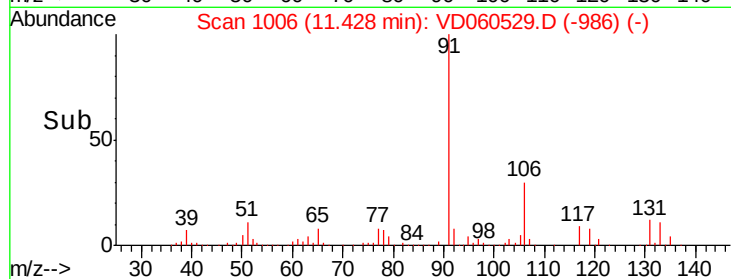
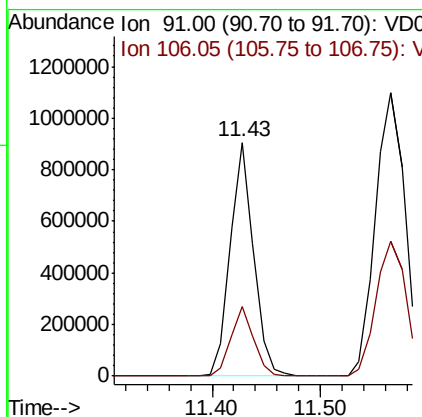
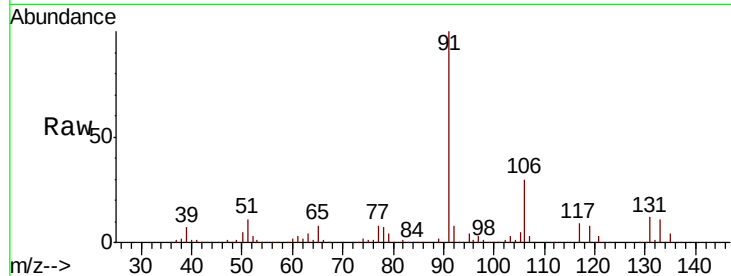
#67
Ethyl Benzene
Concen: 22.062 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 91 Resp: 1366481
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0

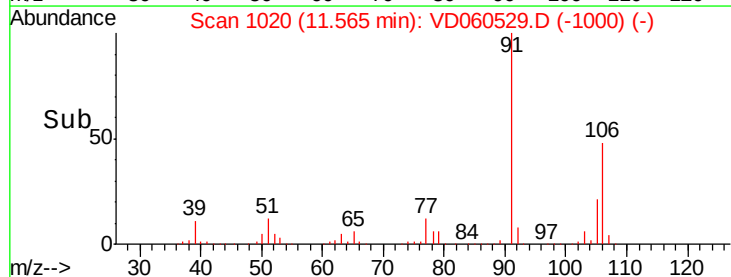
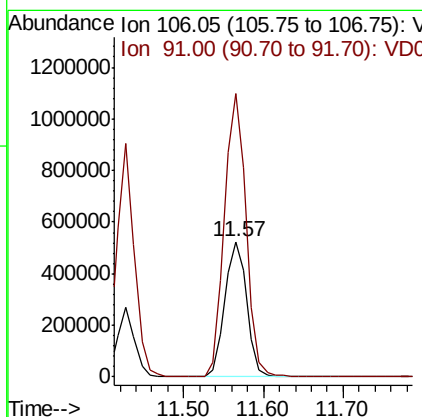
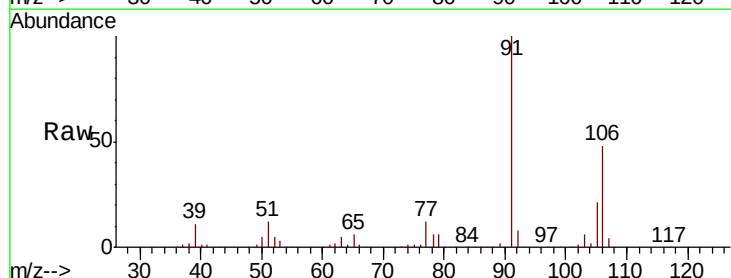
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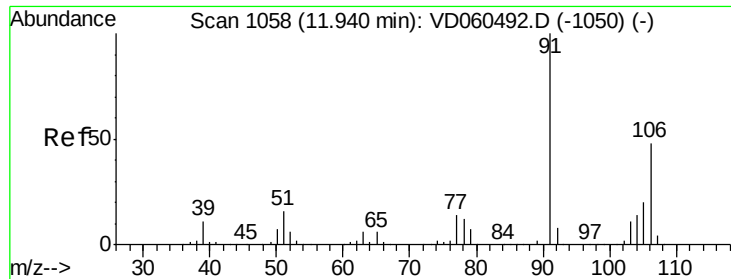
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#68
m/p-Xylenes
Concen: 44.443 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 106 Resp: 1018356
Ion Ratio Lower Upper
106 100
91 209.0 160.5 240.7





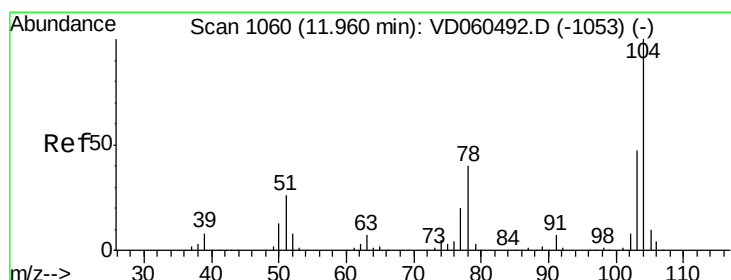
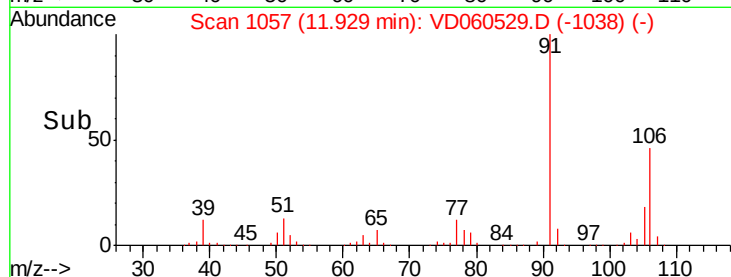
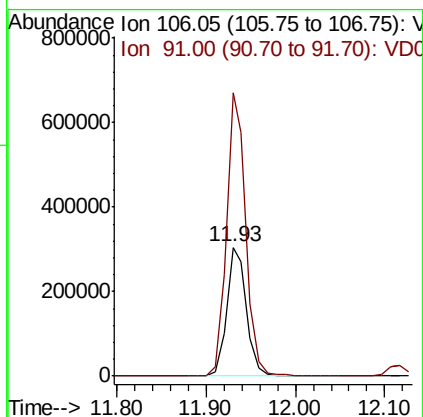
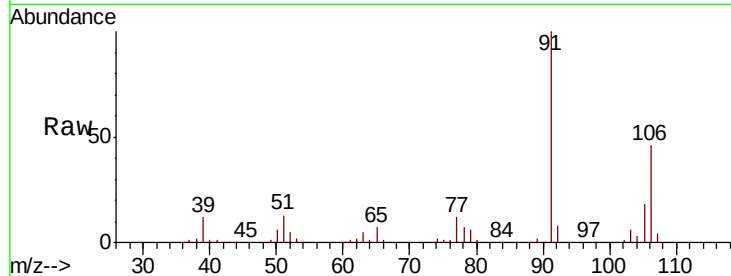
#69
o-Xylene
Concen: 21.787 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion:106 Resp: 475774
Ion Ratio Lower Upper
106 100
91 219.2 103.4 310.1

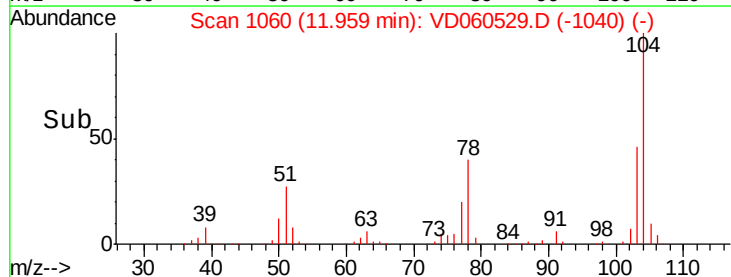
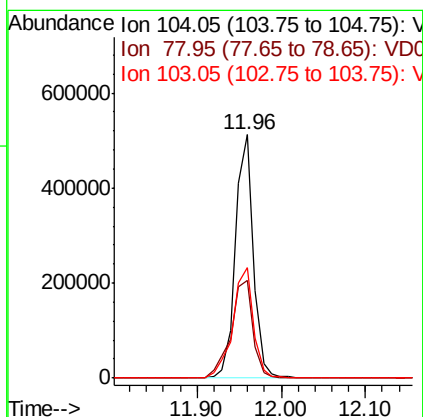
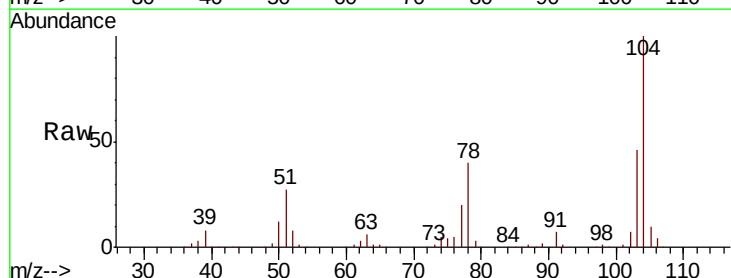
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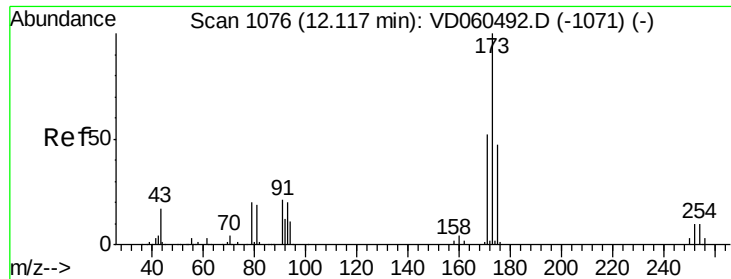
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#70
Styrene
Concen: 21.588 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion:104 Resp: 756681
Ion Ratio Lower Upper
104 100
78 39.9 32.1 48.1
103 45.5 37.2 55.8





#71

Bromoform

Concen: 21.010 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:173 Resp: 164053

Ion Ratio Lower Upper

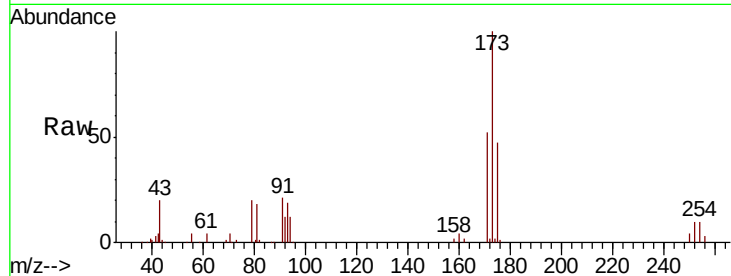
173 100

175 46.7 23.5 70.6

254 9.6 7.8 11.8

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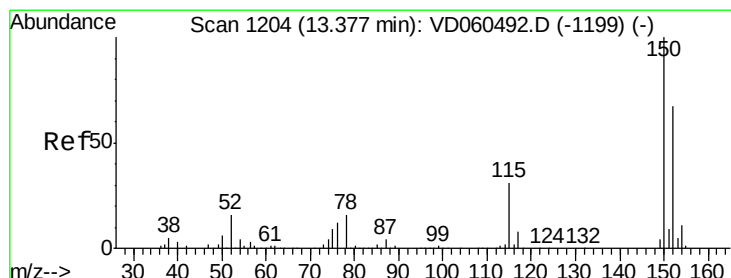
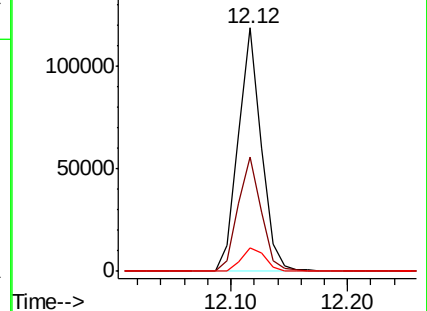
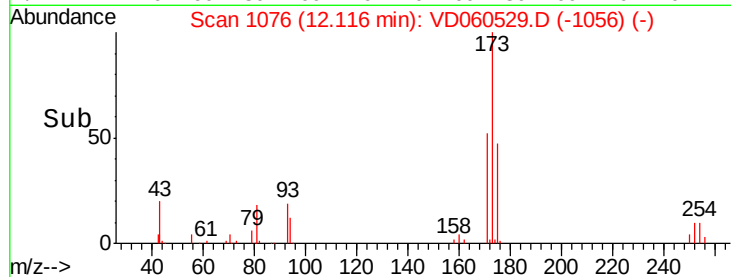
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

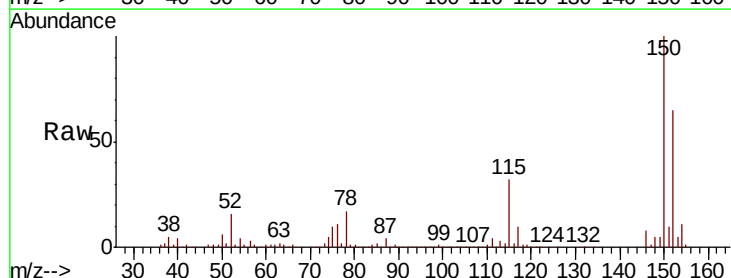
Tgt Ion:152 Resp: 892079

Ion Ratio Lower Upper

152 100

115 48.5 24.6 74.0

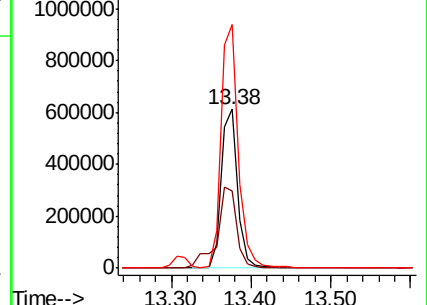
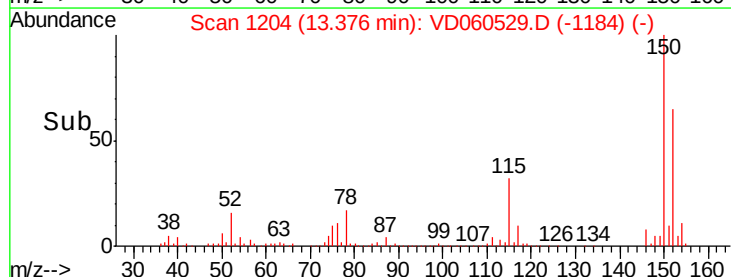
150 153.6 0.0 309.0

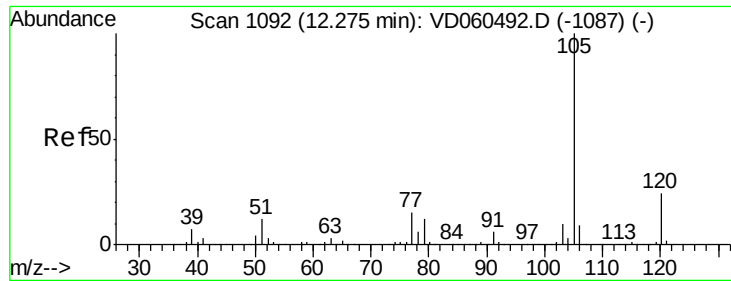


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.148 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 1334980

Ion Ratio Lower Upper

105 100

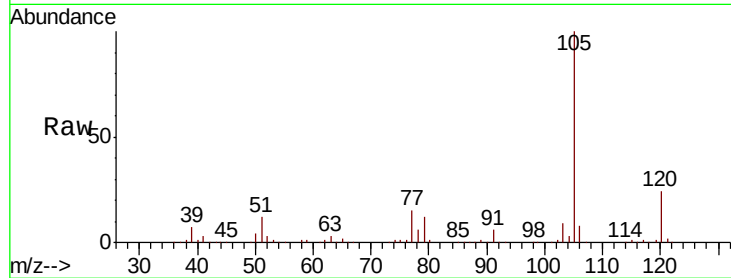
120 24.0 11.9 35.9

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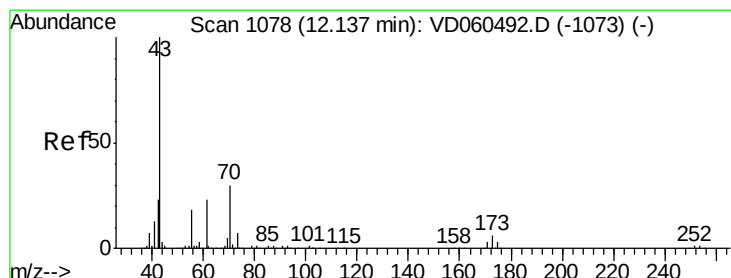
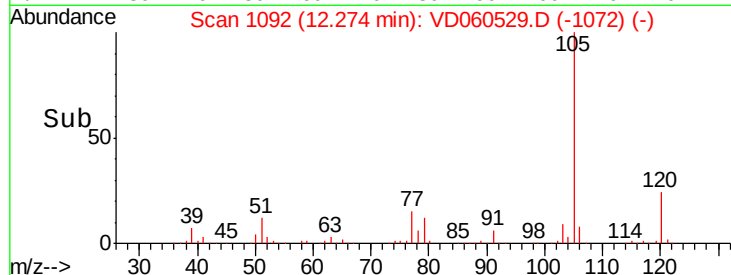
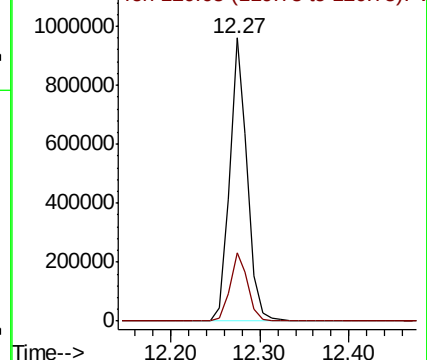
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.565 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion: 43 Resp: 329015

Ion Ratio Lower Upper

43 100

70 28.1 23.8 35.8

55 17.6 14.2 21.2

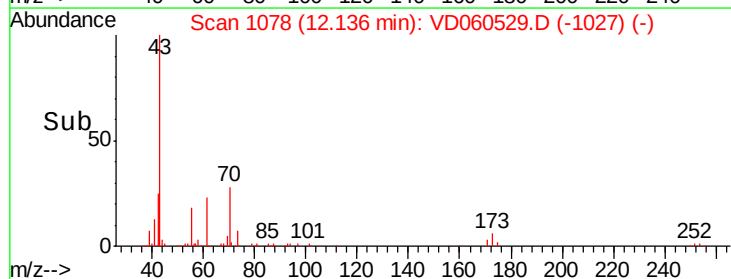
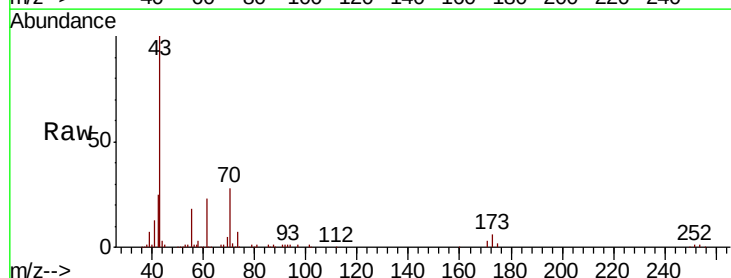
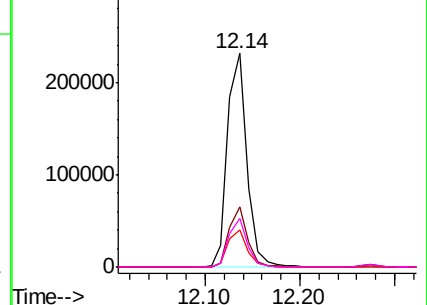
61 22.8 18.1 27.1

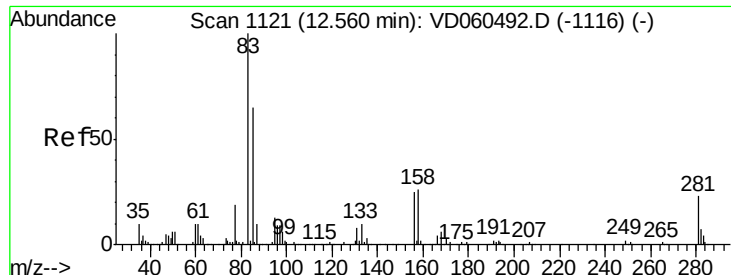
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.960 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 83 Resp: 211825
Ion Ratio Lower Upper

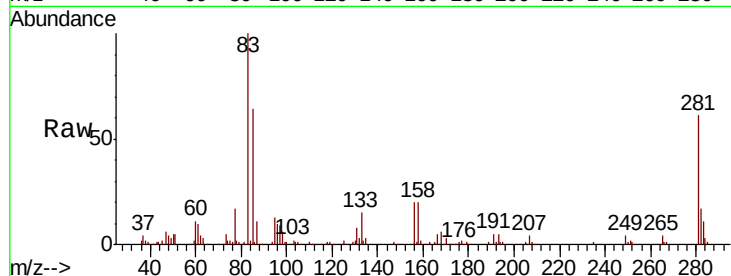
83 100

131 7.9 3.8 11.4

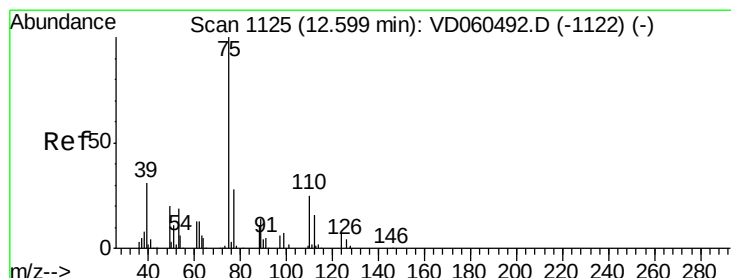
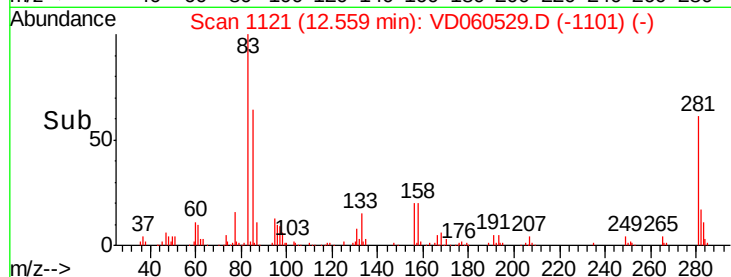
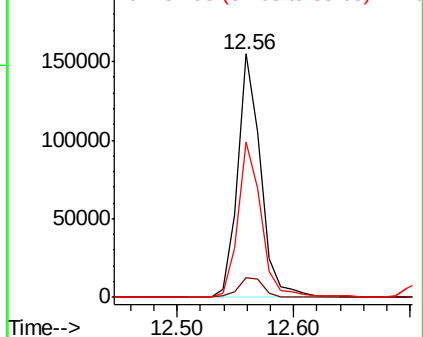
85 63.8 32.3 96.9

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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: 21.297 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.00 min

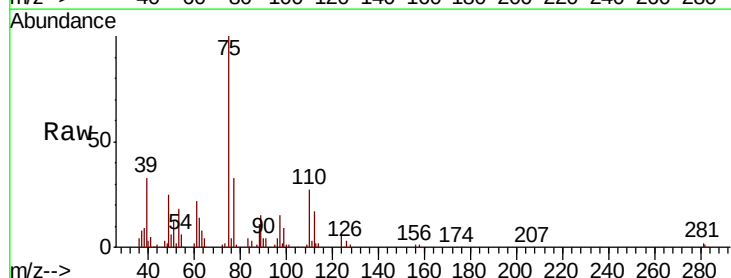
Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

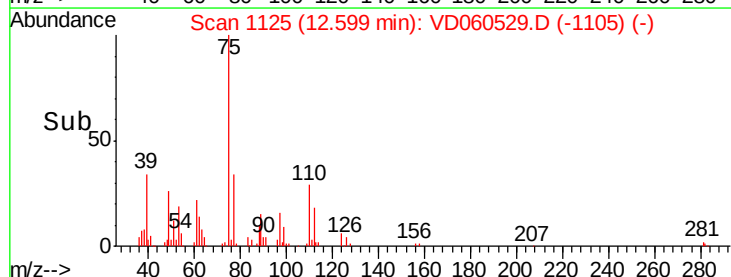
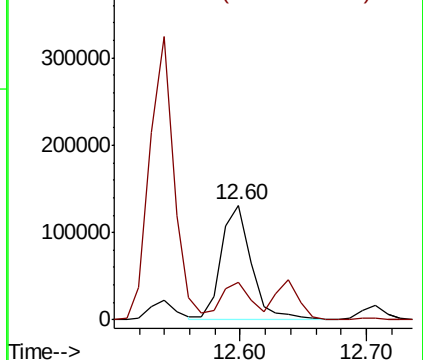
Tgt Ion: 75 Resp: 215268
Ion Ratio Lower Upper

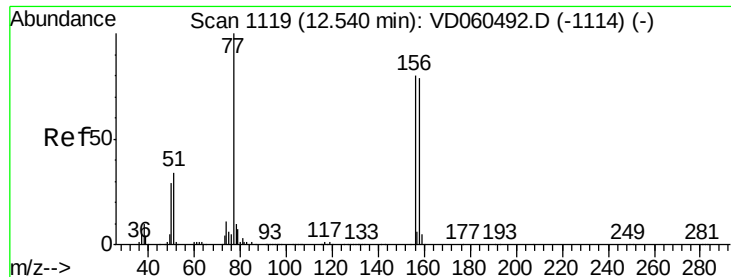
75 100

77 32.8 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: 20.502 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 156 Resp: 340197

Ion Ratio Lower Upper

156 100

77 126.2 62.5 187.6

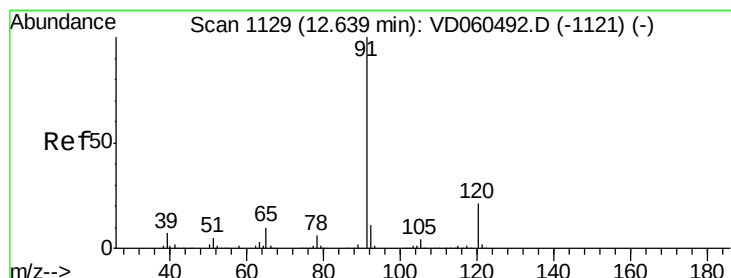
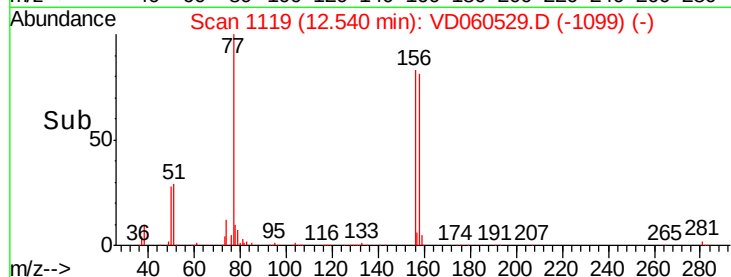
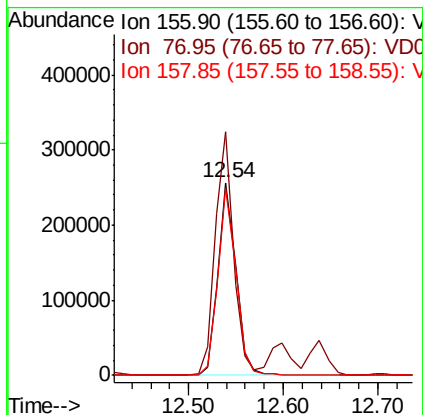
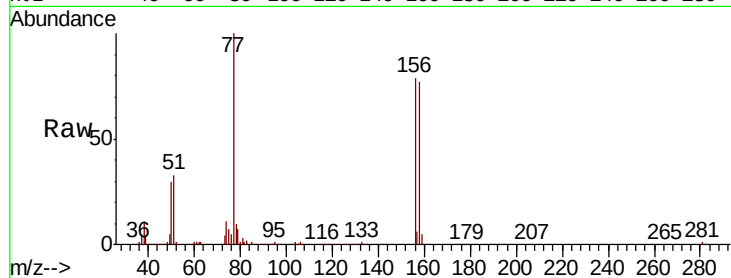
158 97.0 49.4 148.2

Manual Integrations

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#78

n-propylbenzene

Concen: 21.156 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD060529.D

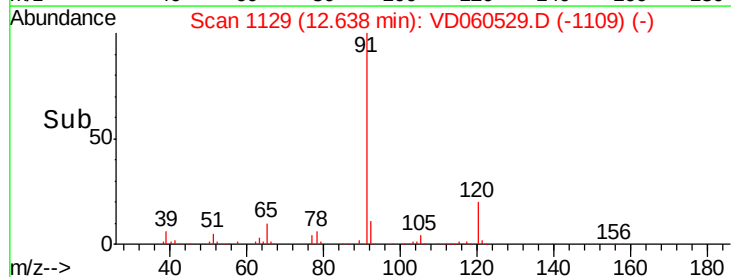
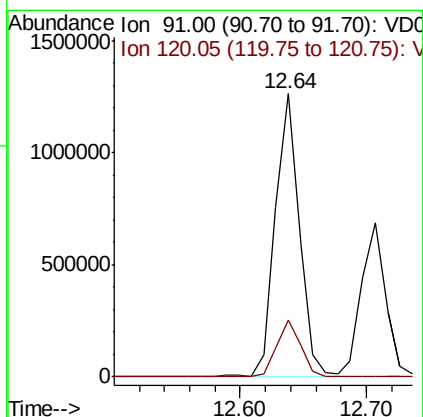
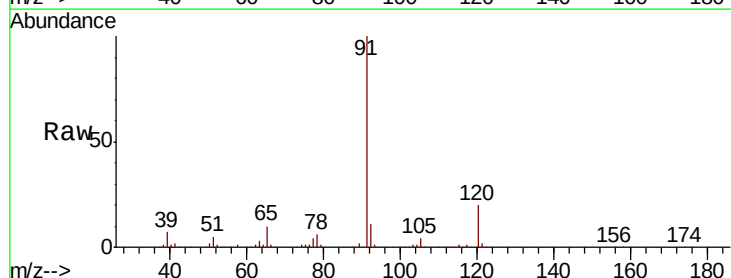
Acq: 11 Dec 2018 12:14

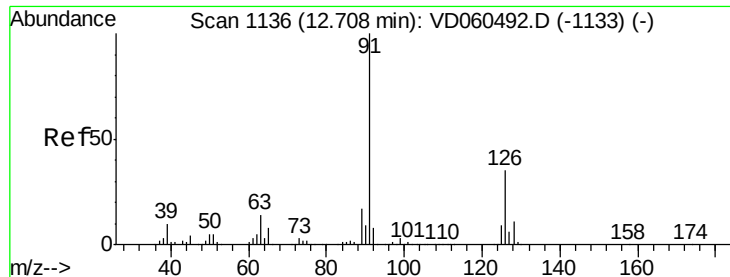
Tgt Ion: 91 Resp: 1688220

Ion Ratio Lower Upper

91 100

120 19.9 10.4 31.1





#79

2-Chlorotoluene

Concen: 21.193 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion: 91 Resp: 917675

Ion Ratio Lower Upper

91 100

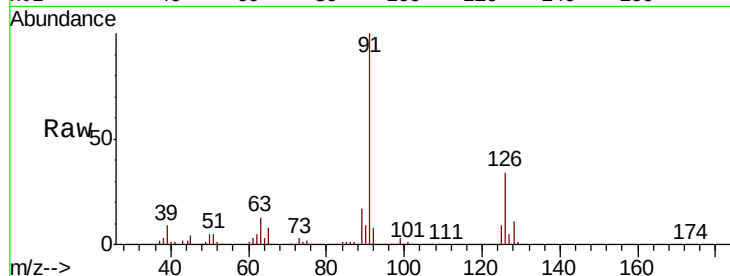
126 34.1 17.3 52.0

Manual Integrations

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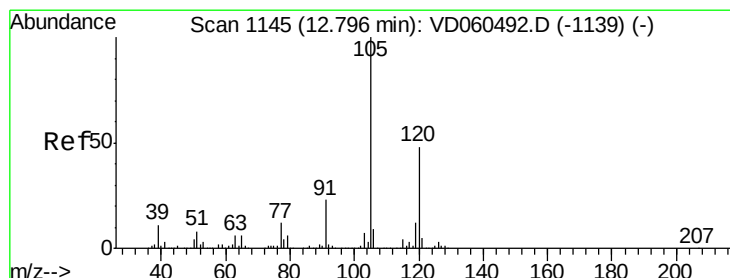
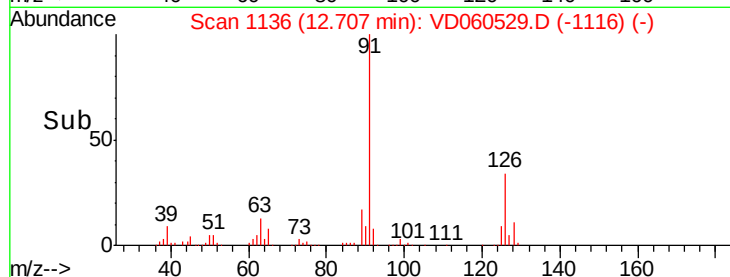
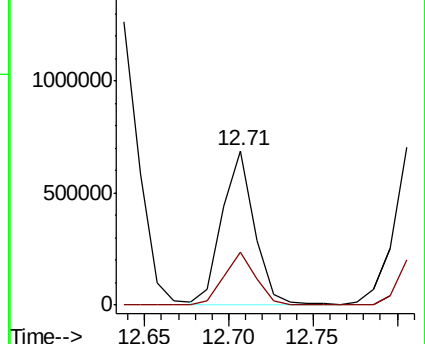
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD060529.D (-1136) (-)

Ion 125.95 (125.65 to 126.65): VD060529.D (-1136) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.852 ug/l

RT: 12.80 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VD060529.D

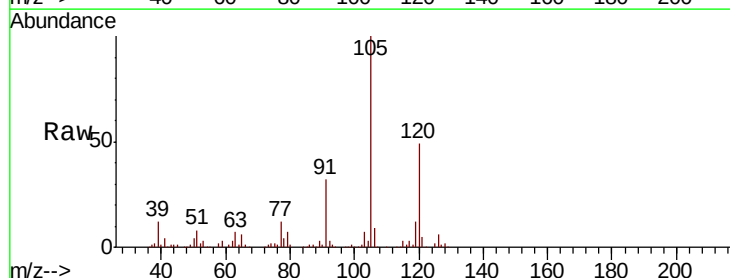
Acq: 11 Dec 2018 12:14

Tgt Ion: 105 Resp: 1054077

Ion Ratio Lower Upper

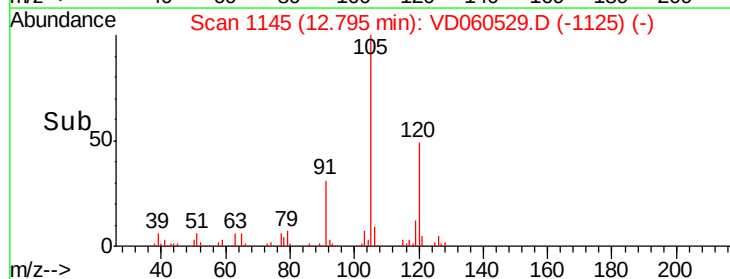
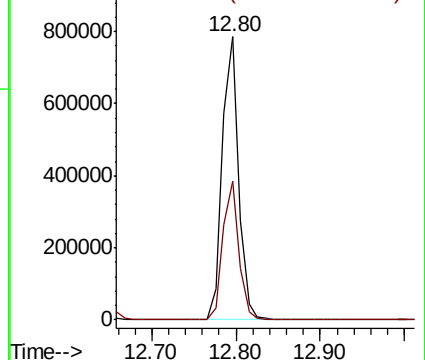
105 100

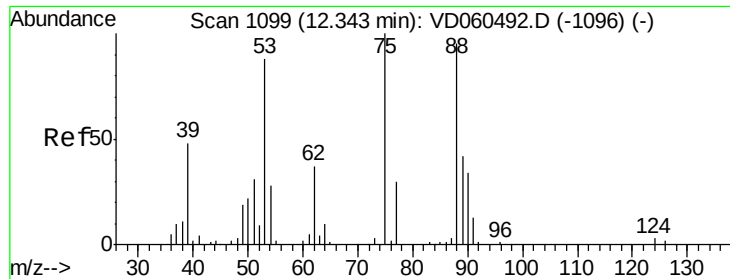
120 48.9 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): VD060529.D (-1125) (-)

Ion 120.05 (119.75 to 120.75): VD060529.D (-1125) (-)





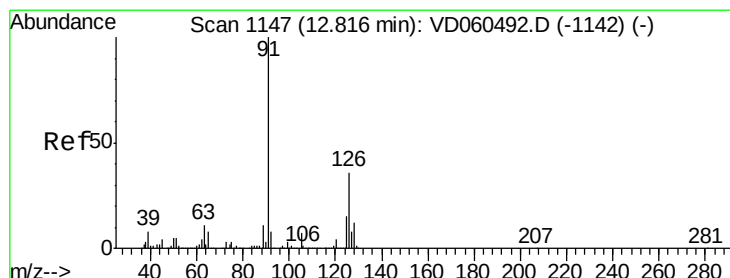
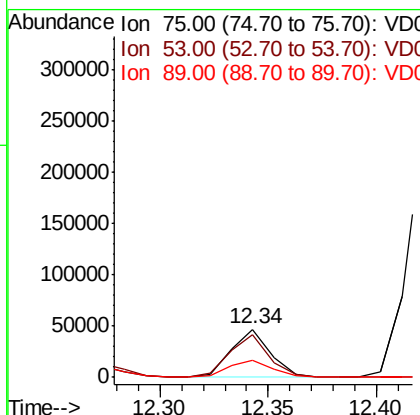
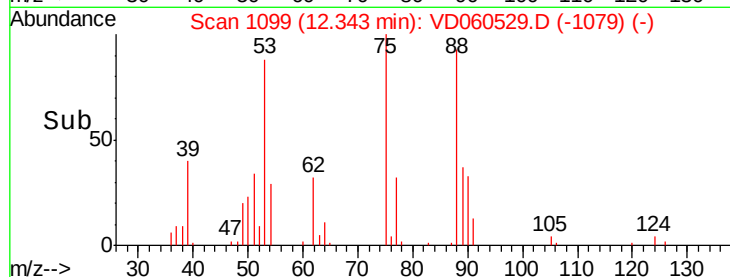
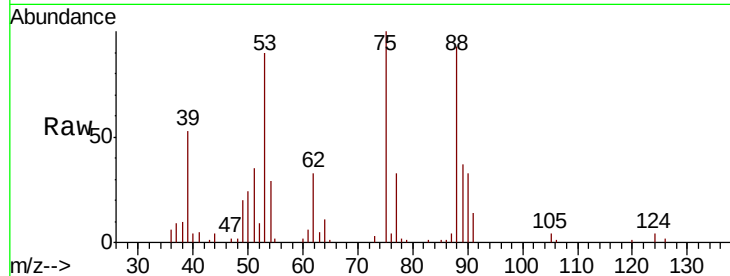
#81
trans-1,4-Dichloro-2-butene
Concen: 21.038 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	70.5	105.7
89	36.5	33.6	50.4

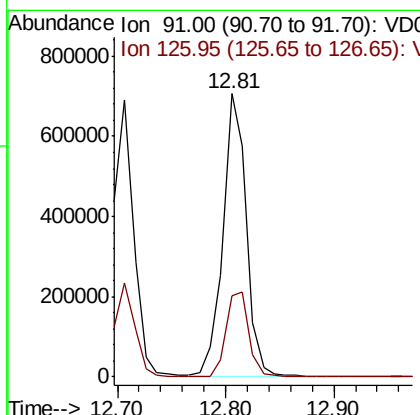
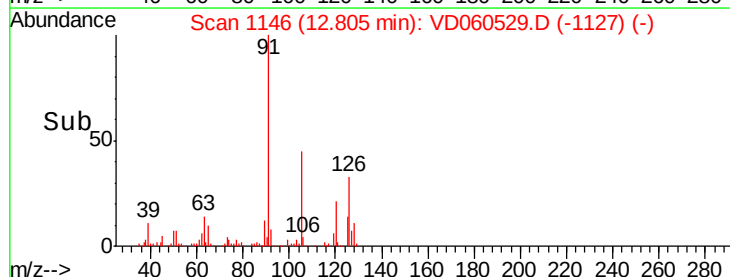
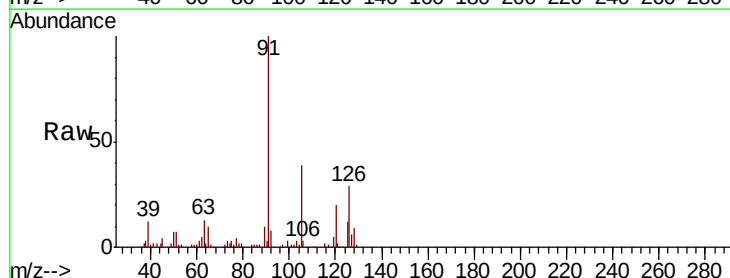
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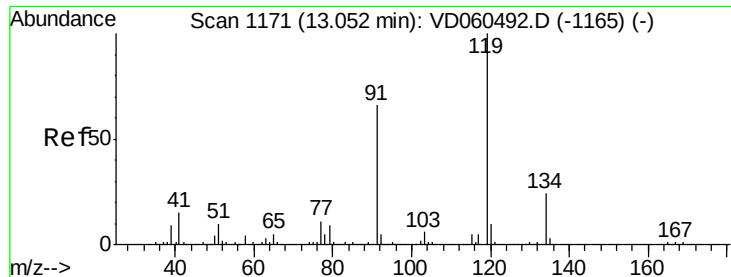
MMDadoda
12/12/2018 1:30:04 PM



#82
4-Chlorotoluene
Concen: 21.692 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	17.8	53.4





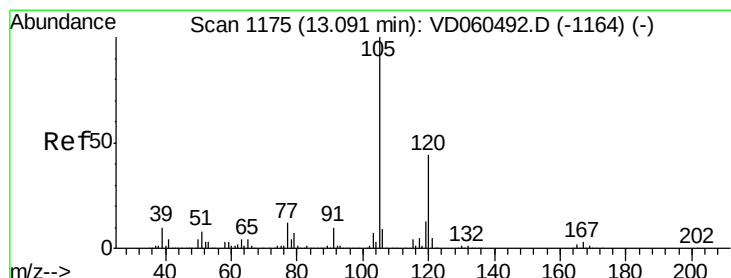
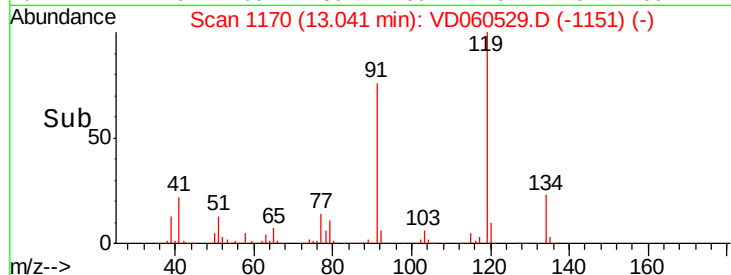
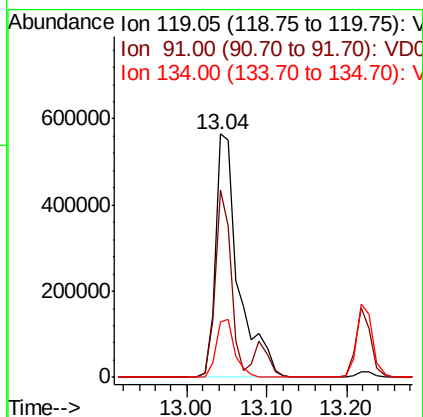
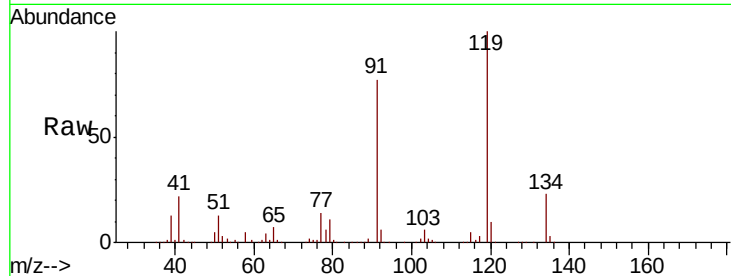
#83
 tert-Butylbenzene
 Concen: 21.146 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion:119 Resp: 1143675
 Ion Ratio Lower Upper
 119 100
 91 76.9 33.1 99.2
 134 22.7 12.0 36.0

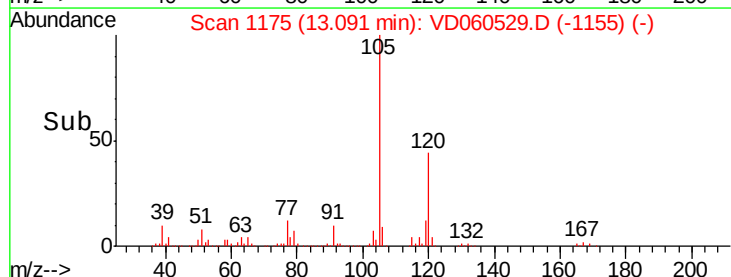
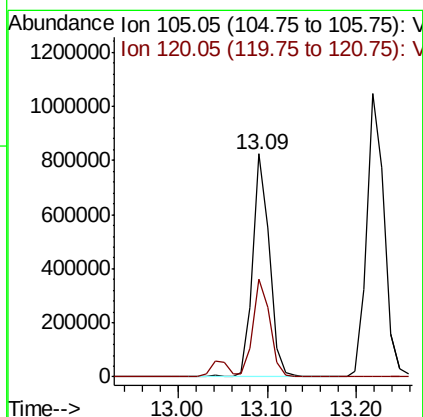
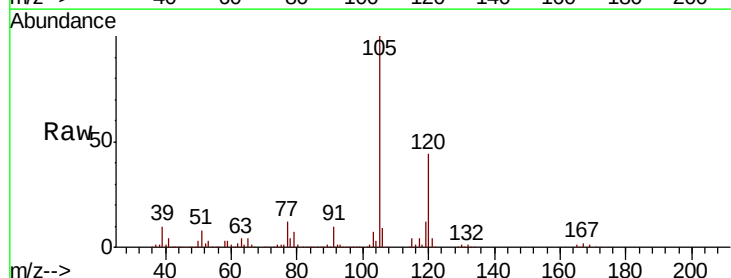
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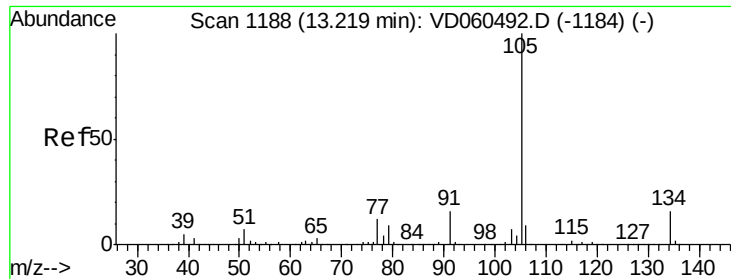
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.179 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion:105 Resp: 1057794
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.711 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD1211SBS01

Tot Ion:105 Resp: 1396123

Ion Ratio Lower Upper

105 100

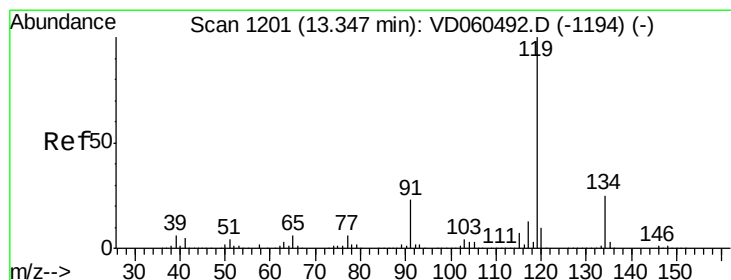
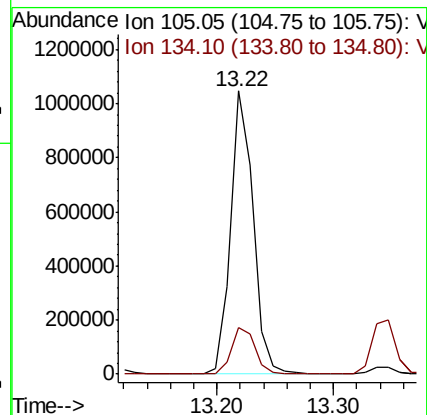
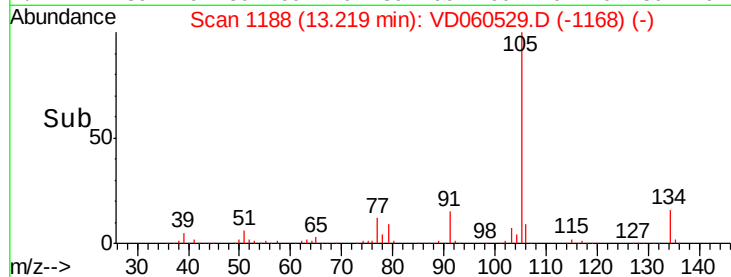
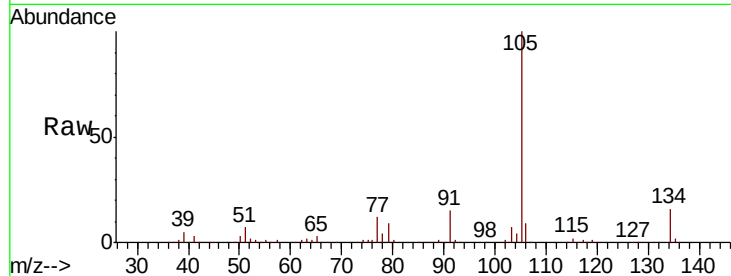
134 16.3 7.9 23.7

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#86

p-Isopropyltoluene

Concen: 21.247 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

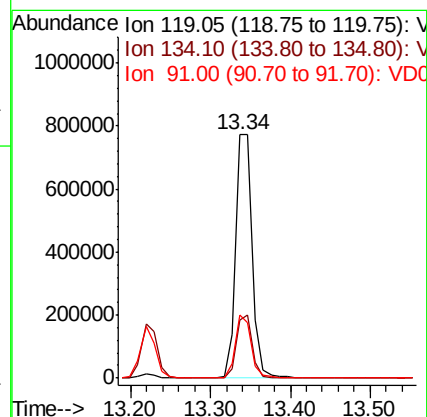
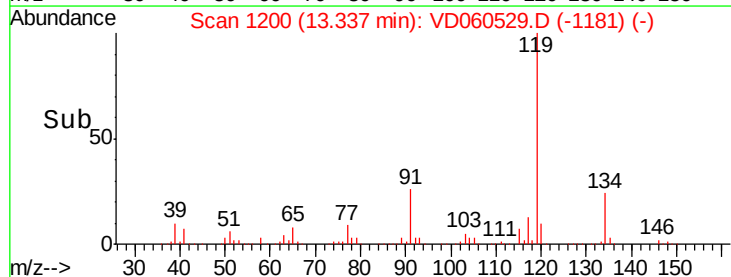
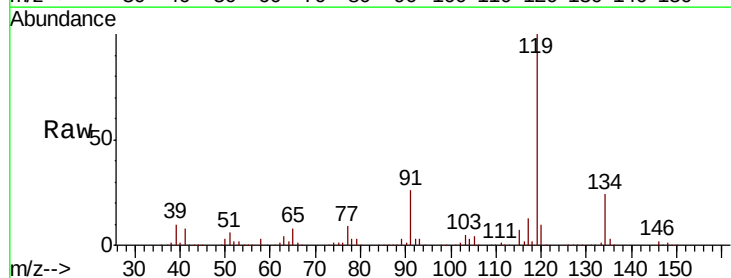
Tgt Ion:119 Resp: 1135352

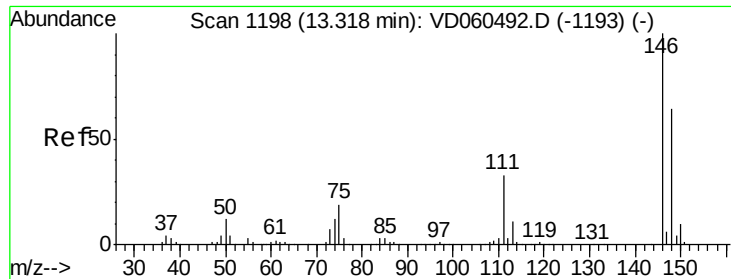
Ion Ratio Lower Upper

119 100

134 24.0 12.5 37.5

91 26.0 11.5 34.4





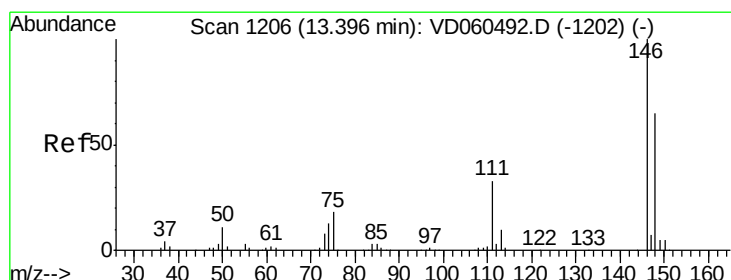
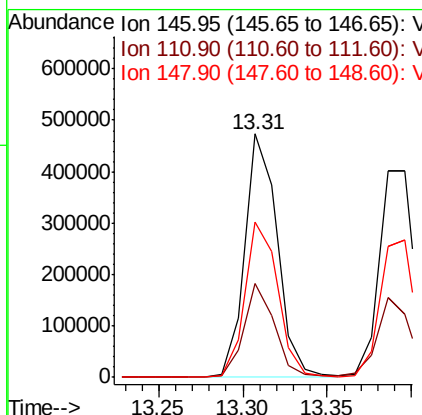
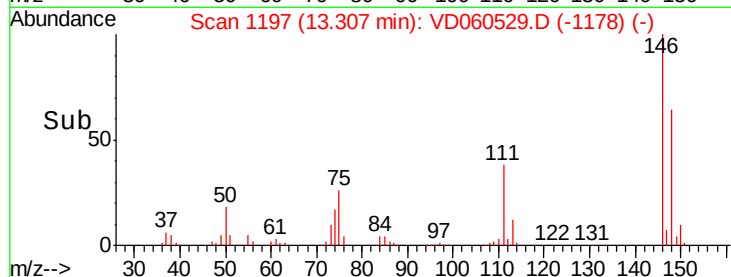
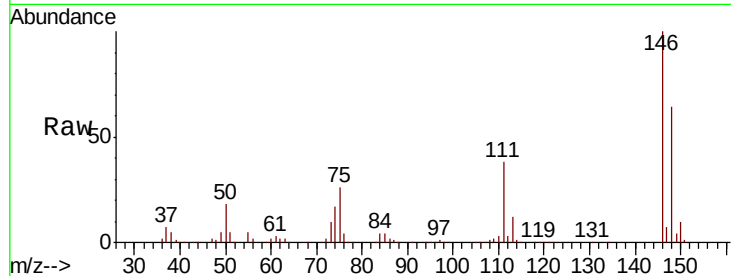
#87
 1,3-Dichlorobenzene
 Concen: 21.074 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	16.5	49.5
148	63.5	32.3	96.8

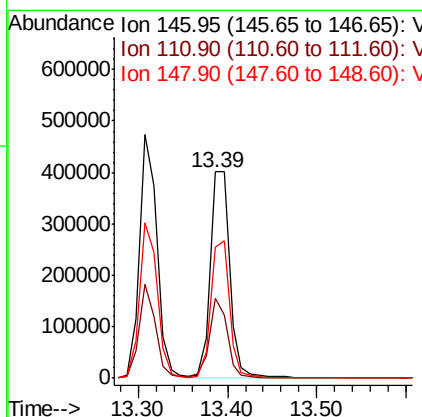
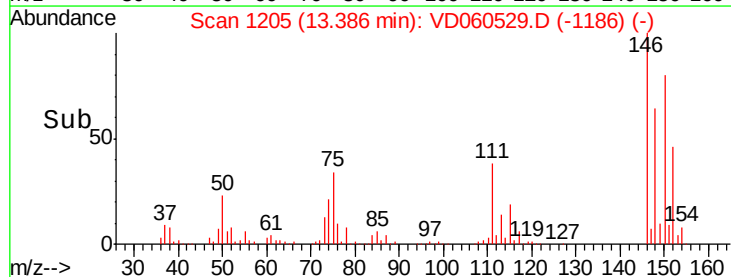
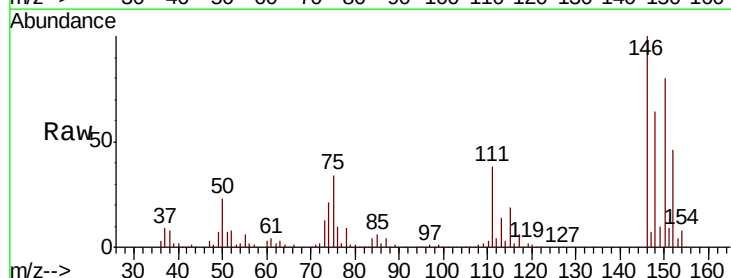
Manual Integrations
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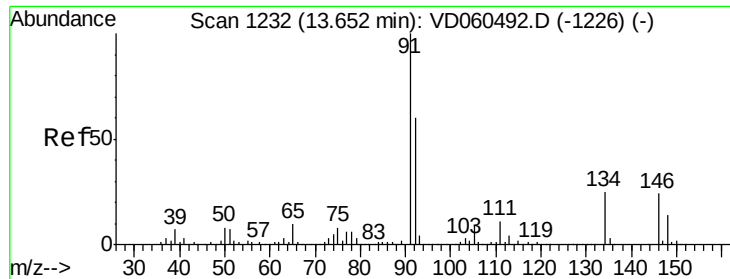
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#88
 1,4-Dichlorobenzene
 Concen: 20.527 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	16.4	49.1
148	63.5	32.6	98.0





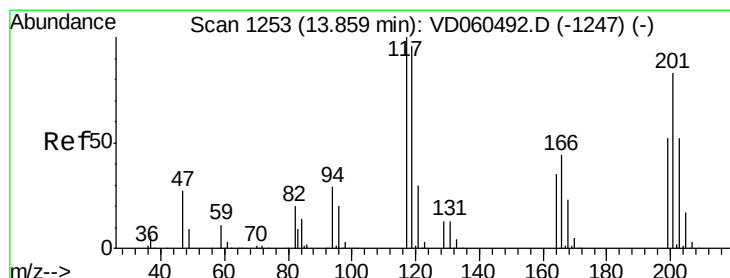
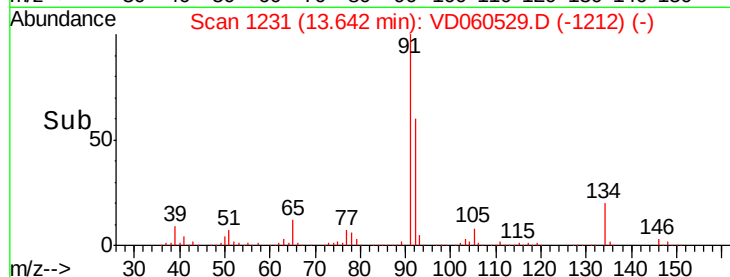
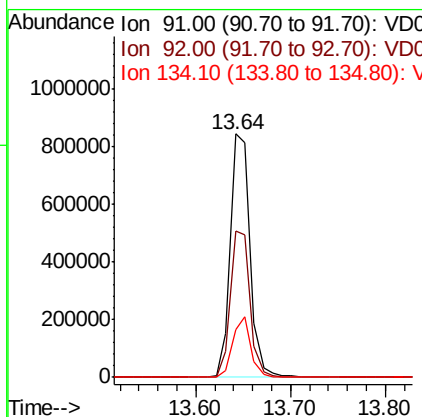
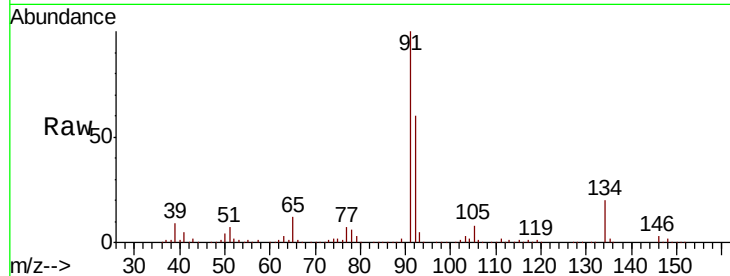
#89
n-Butylbenzene
Concen: 20.544 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion: 91 Resp: 1220024
Ion Ratio Lower Upper
91 100
92 60.0 30.0 90.1
134 19.7 12.5 37.5

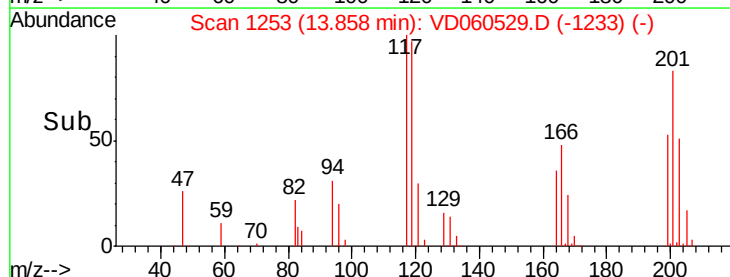
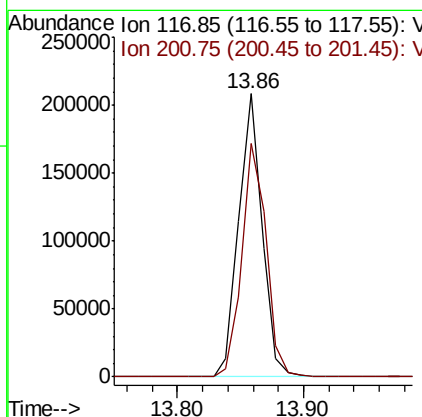
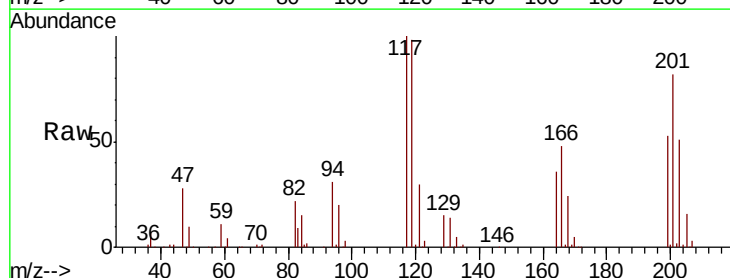
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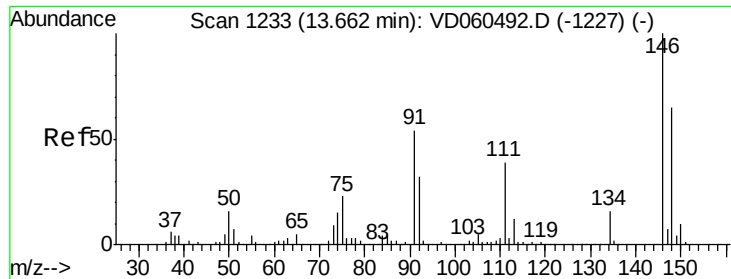
MMDadoda
12/12/2018 1:30:04 PM



#90
Hexachloroethane
Concen: 19.837 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion: 117 Resp: 265768
Ion Ratio Lower Upper
117 100
201 82.5 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 21.744 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Instrument :

MSVOA_D

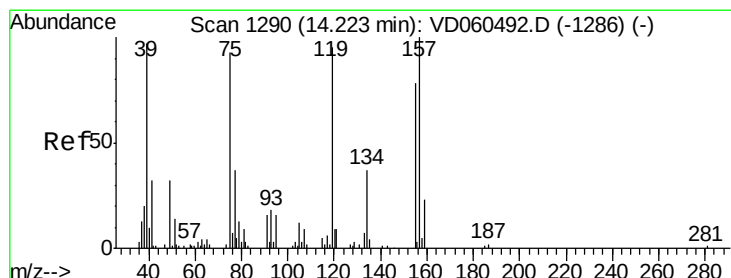
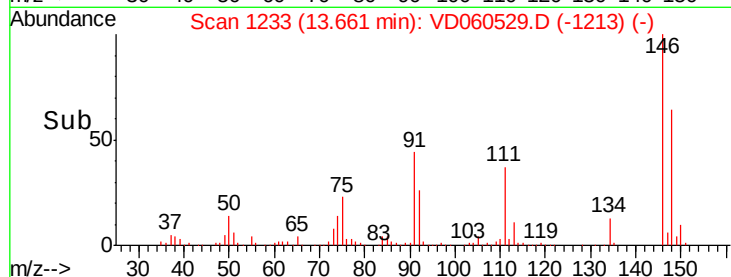
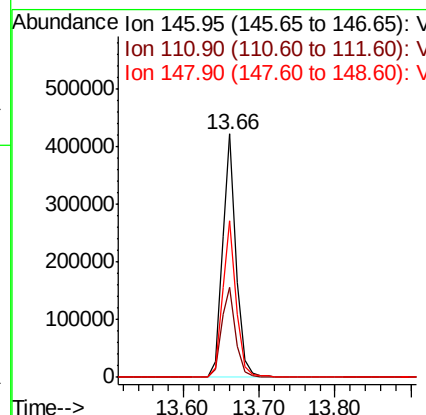
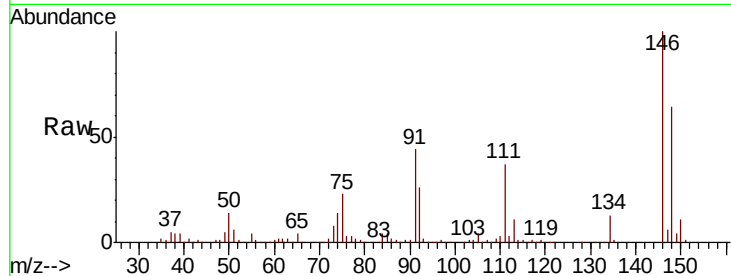
ClientSampleId :

VD1211SBS01

Tot Ion:	146	Resp:	533853
Ion Ratio	Lower	Upper	
146	100		
111	36.9	19.3	57.8
148	64.4	32.3	96.8

Manual Integrations
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12/12/2018 1:30:04 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.374 ug/l

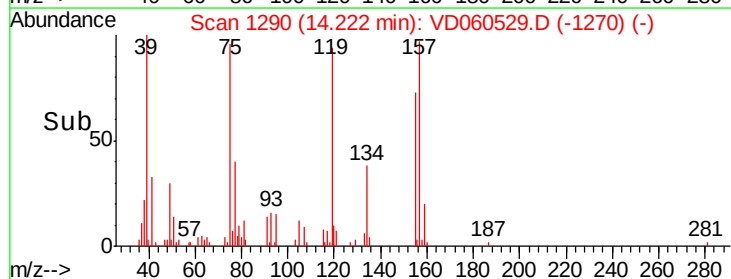
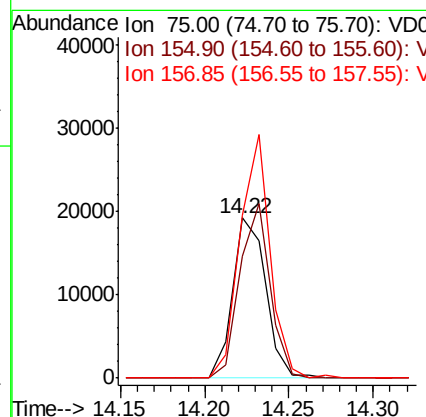
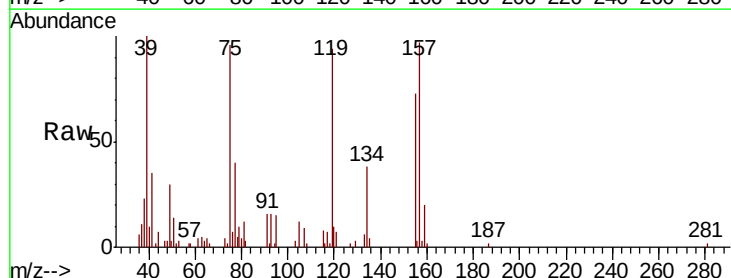
RT: 14.22 min Scan# 1290

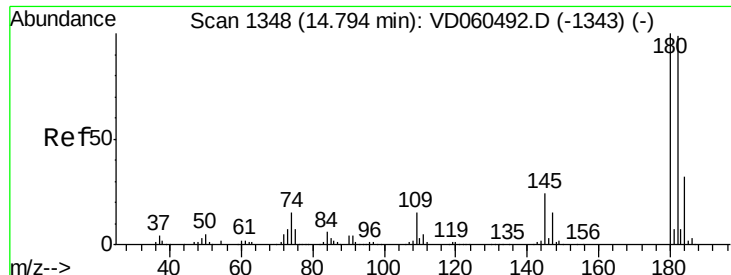
Delta R.T. -0.00 min

Lab File: VD060529.D

Acq: 11 Dec 2018 12:14

Tgt Ion:	75	Resp:	26173
Ion Ratio	Lower	Upper	
75	100		
155	76.1	41.6	124.9
157	101.9	53.6	160.8





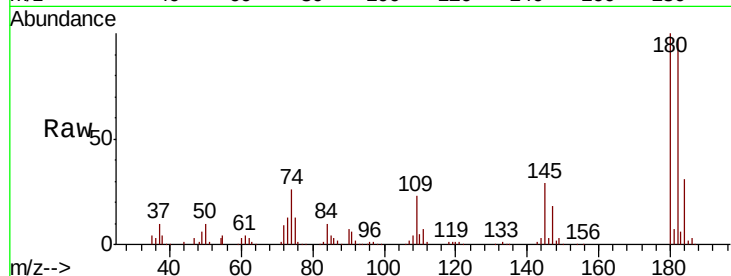
#93
 1,2,4-Trichlorobenzene
 Concen: 20.732 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397923		
182	96.7	49.4	148.0	
145	29.4	11.9	35.9	

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 1:30:04 PM

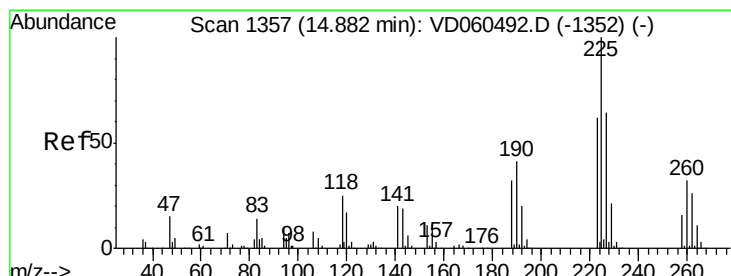
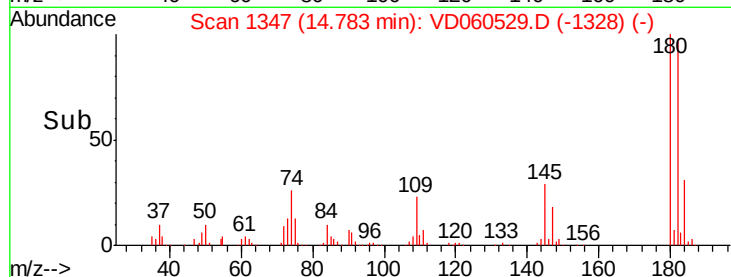
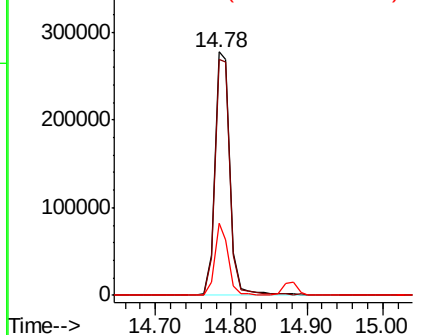


Abundance

Ion 179.85 (179.55 to 180.55): V

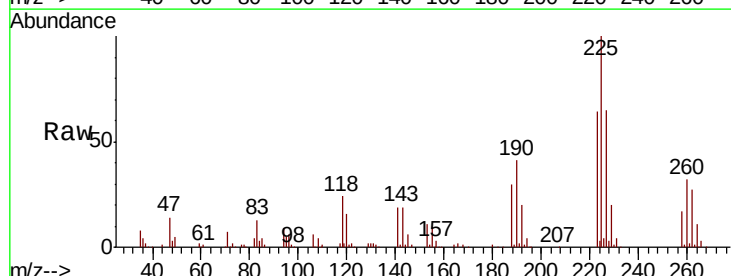
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 20.316 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060529.D
 Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	287696		
223	64.3	31.2	93.6	
227	65.5	32.0	96.0	

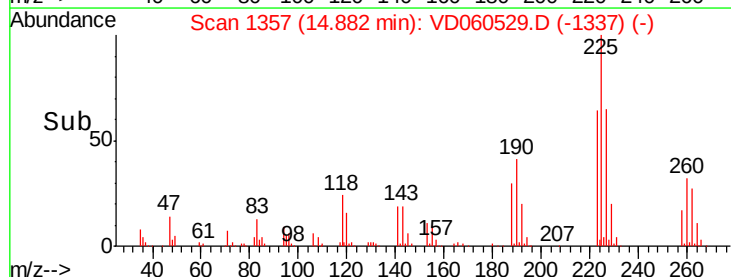
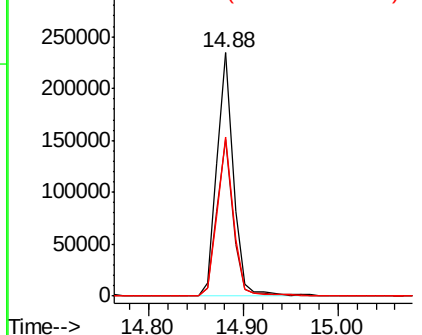


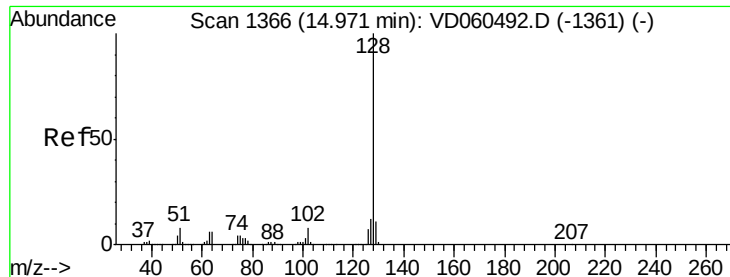
Abundance

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





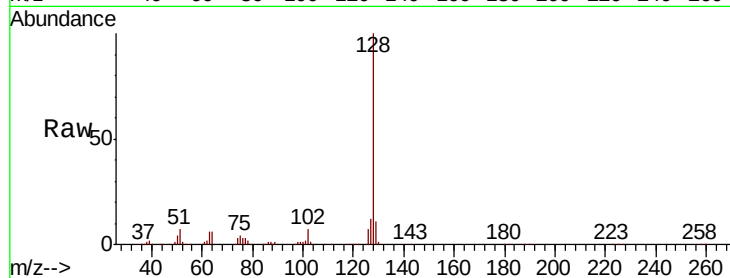
#95
Naphthalene
Concen: 20.915 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD1211SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.8
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/12/2018 1:30:04 PM

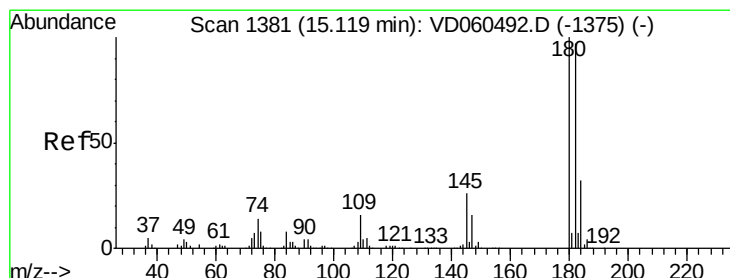
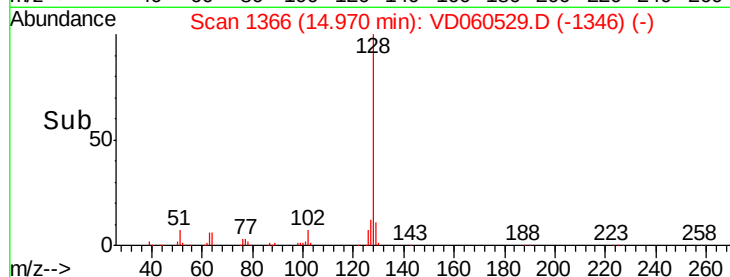
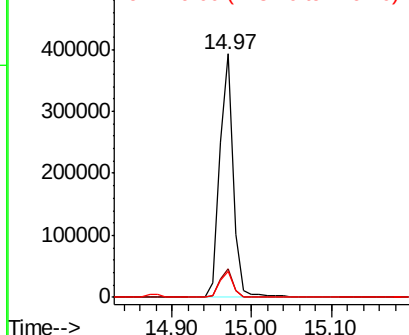


Abundance

Ion 128.00 (127.70 to 128.70): V

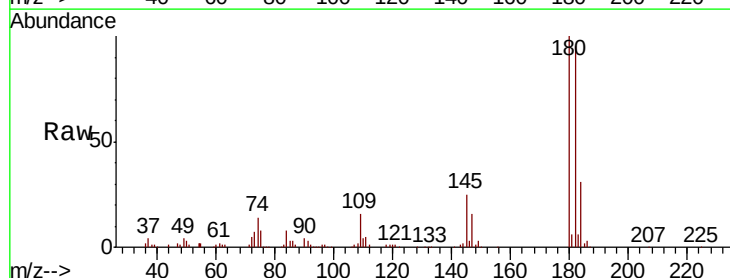
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.804 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060529.D
Acq: 11 Dec 2018 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	24.9	12.9	38.7



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

