

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122618\
 Data File : VD060712.D
 Acq On : 26 Dec 2018 12:11
 Operator : VA/AP
 Sample : VD1226SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
 APPROVED

apatel
 12/27/2018 10:48:02 AM

Quant Time: Dec 27 02:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1519917	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2082987	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1666698	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	864313	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	534544	50.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.78%	
35) Dibromofluoromethane	6.31	113	783218	51.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	9.44	98	2323468	51.08	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.41	95	805617	50.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	340548	17.535	ug/l	99
3) Chloromethane	1.77	50	313676	17.550	ug/l	94
4) Vinyl Chloride	1.87	62	255706	18.020	ug/l	99
5) Bromomethane	2.15	94	38174	12.010	ug/l	97
6) Chloroethane	2.26	64	64226	15.166	ug/l	91
7) Trichlorofluoromethane	2.51	101	286309	18.140	ug/l	99
8) Diethyl Ether	2.82	74	48801	18.480	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.09	101	191644	18.719	ug/l	98
10) Methyl Iodide	3.25	142	191377	17.786	ug/l	99
11) Tert butyl alcohol	3.95	59	51179	116.588	ug/l #	94
12) 1,1-Dichloroethene	3.07	96	153891	18.293	ug/l	97
13) Acrolein	2.98	56	43033	96.199	ug/l	95
14) Allyl chloride	3.53	41	280045	18.142	ug/l	97
15) Acrylonitrile	4.07	53	252952	99.255	ug/l	96
16) Acetone	3.16	43	181098	98.727	ug/l	100
17) Carbon Disulfide	3.31	76	475034	17.682	ug/l	98
18) Methyl Acetate	3.55	43	75179	16.537	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	426377	19.978	ug/l	98
20) Methylene Chloride	3.71	84	521648	27.383	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	327961	19.037	ug/l	99
22) Diisopropyl ether	4.84	45	1036842	19.783	ug/l	97
23) Vinyl Acetate	4.79	43	2561944	101.039	ug/l	99
24) 1,1-Dichloroethane	4.74	63	538343	19.528	ug/l	98
25) 2-Butanone	5.61	43	355237	101.204	ug/l	100
26) 2,2-Dichloropropane	5.57	77	434295	19.958	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	346359	19.805	ug/l	96
28) Bromochloromethane	5.90	49	220597	18.942	ug/l	98
29) Tetrahydrofuran	5.93	42	199379	100.196	ug/l	99
30) Chloroform	6.08	83	537557	19.379	ug/l	98
31) Cyclohexane	6.35	56	518155	19.532	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	452341	19.710	ug/l	98
36) 1,1-Dichloropropene	6.50	75	418828	19.527	ug/l	96
37) Ethyl Acetate	5.68	43	180253	20.094	ug/l #	94
38) Carbon Tetrachloride	6.48	117	364538	19.265	ug/l	98

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Quant Time: Dec 27 02:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	478628	19.566	ug/l	99
40) Benzene	6.77	78	1070019	19.313	ug/l	98
41) Methacrylonitrile	5.93	41	120392m	24.263	ug/l	
42) 1,2-Dichloroethane	6.88	62	269173	19.578	ug/l	100
43) Isopropyl Acetate	8.32	43	228663	19.864	ug/l	97
44) Trichloroethene	7.71	130	326582	19.915	ug/l	97
45) 1,2-Dichloropropane	8.08	63	269730	19.852	ug/l	98
46) Dibromomethane	8.20	93	156863	20.228	ug/l	98
47) Bromodichloromethane	8.47	83	360682	19.637	ug/l	97
48) Methyl methacrylate	8.23	41	140674	20.120	ug/l	97
49) 1,4-Dioxane	8.21	88	26855	413.095	ug/l #	93
51) 4-Methyl-2-Pentanone	9.32	43	718012	101.804	ug/l	99
52) Toluene	9.52	92	680630	19.596	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	301704	19.689	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	397686	19.828	ug/l	99
55) 1,1,2-Trichloroethane	10.15	97	189587	20.287	ug/l	98
56) Ethyl methacrylate	10.01	69	169451	19.522	ug/l	98
57) 1,3-Dichloropropane	10.36	76	294360	19.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	548253	107.196	ug/l	99
59) 2-Hexanone	10.47	43	512997	103.913	ug/l	99
60) Dibromochloromethane	10.62	129	227921	19.147	ug/l	98
61) 1,2-Dibromoethane	10.73	107	195754	20.195	ug/l	93
64) Tetrachloroethene	10.23	164	304446	20.153	ug/l	99
65) Chlorobenzene	11.30	112	745400	20.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	238417	20.137	ug/l	98
67) Ethyl Benzene	11.41	91	1250880	19.835	ug/l	100
68) m/p-Xylenes	11.55	106	955123	41.443	ug/l	97
69) o-Xylene	11.92	106	443790	20.297	ug/l	90
70) Styrene	11.94	104	713232	20.253	ug/l	96
71) Bromoform	12.10	173	156715	20.052	ug/l	93
73) Isopropylbenzene	12.26	105	1267359	20.595	ug/l	100
74) N-amyl acetate	12.12	43	302055	20.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	203480	20.400	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	205118	20.845	ug/l	98
77) Bromobenzene	12.53	156	324776	19.990	ug/l	96
78) n-propylbenzene	12.62	91	1632644	20.752	ug/l	100
79) 2-Chlorotoluene	12.69	91	879098	20.863	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	994179	20.922	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	54696	20.116	ug/l	97
82) 4-Chlorotoluene	12.79	91	992575	20.782	ug/l	98
83) tert-Butylbenzene	13.03	119	1108912	20.505	ug/l	89
84) 1,2,4-Trimethylbenzene	13.08	105	995983	20.351	ug/l	100
85) sec-Butylbenzene	13.20	105	1326956	20.120	ug/l	100
86) p-Isopropyltoluene	13.33	119	1133124	21.284	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	614446	20.602	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	603888	20.548	ug/l	95
89) n-Butylbenzene	13.64	91	1173747	21.575	ug/l	100
90) Hexachloroethane	13.84	117	271005	20.721	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	519752	21.725	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24853	21.209	ug/l	62

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ClientSampleId :
VD1226SBSD01

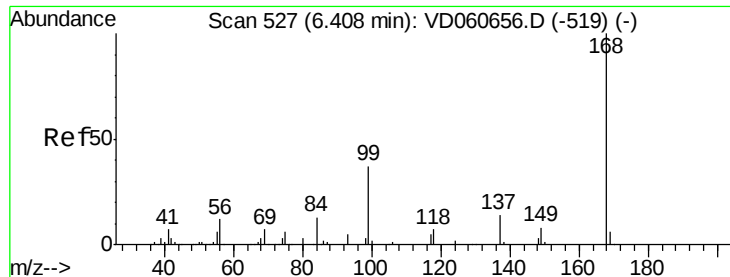
Manual Integrations
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12/27/2018 10:48:02 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	395794	20.790	ug/l	99
94) Hexachlorobutadiene	14.87	225	291398	20.708	ug/l	99
95) Naphthalene	14.96	128	458116	20.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	309780	20.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 524

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:168 Resp: 1519917

Ion Ratio Lower Upper

168 100

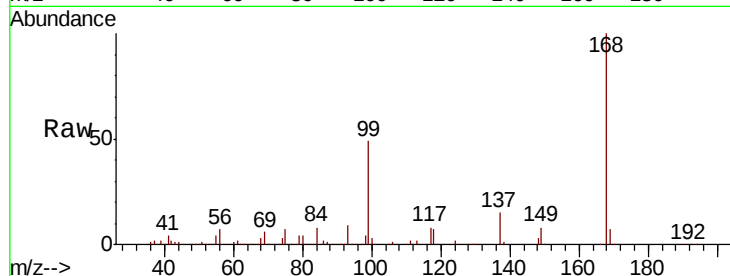
99 49.3 38.7 58.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

500000

400000

300000

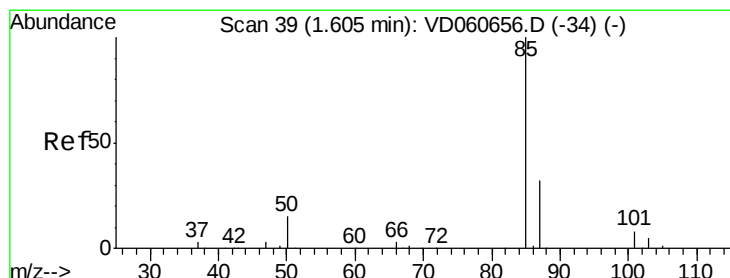
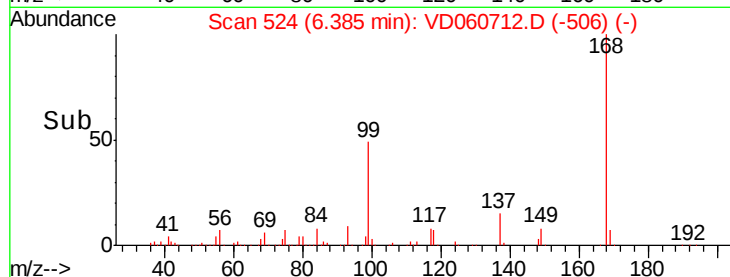
200000

100000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.535 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060712.D

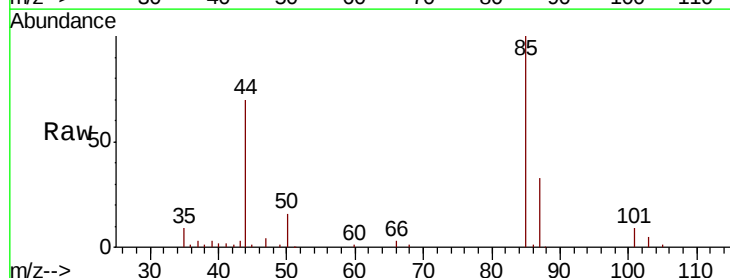
Acq: 26 Dec 2018 12:11

Tgt Ion: 85 Resp: 340548

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

150000

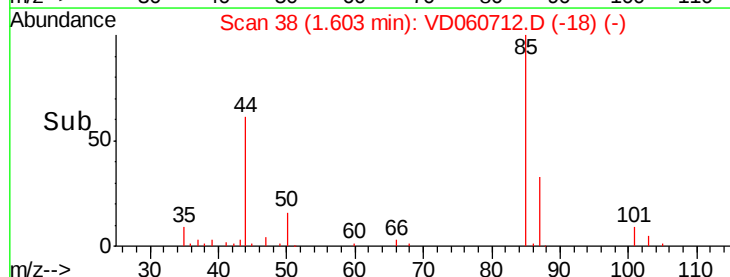
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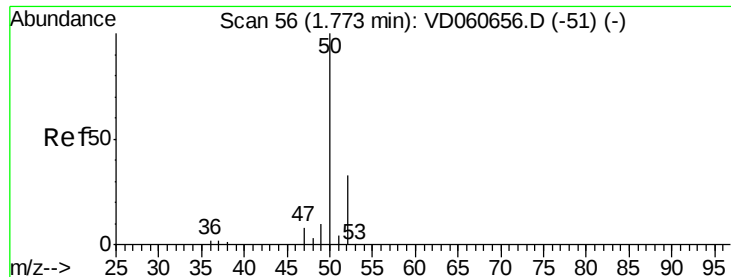
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.550 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 50 Resp: 313676

Ion Ratio Lower Upper

50 100

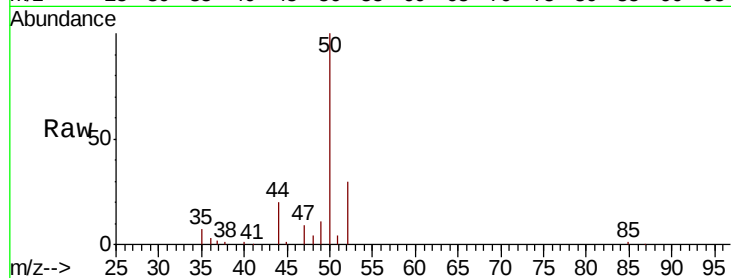
52 29.9 26.6 39.8

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

120000

100000

80000

60000

40000

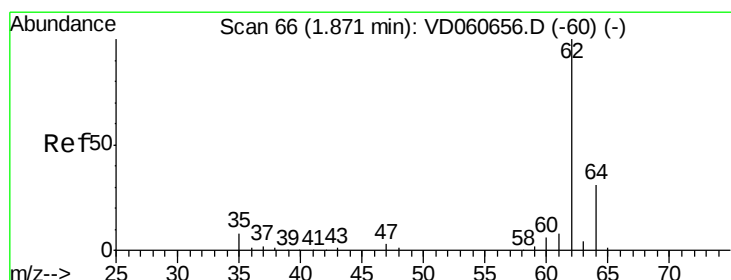
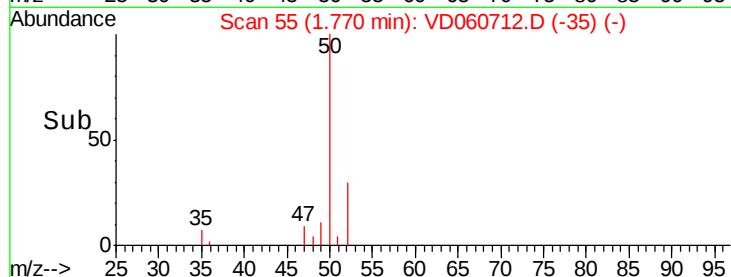
20000

0

1.77

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 18.020 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060712.D

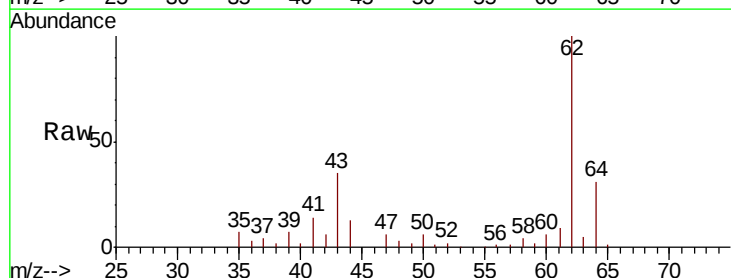
Acq: 26 Dec 2018 12:11

Tgt Ion: 62 Resp: 255706

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

120000

100000

80000

60000

40000

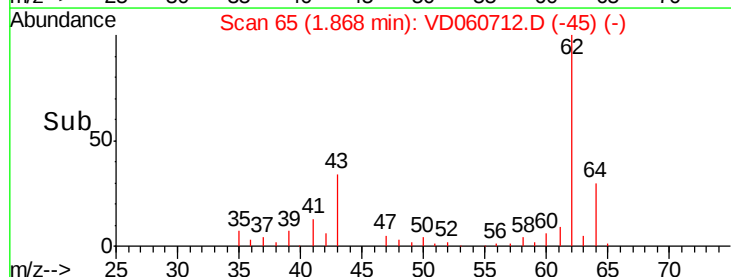
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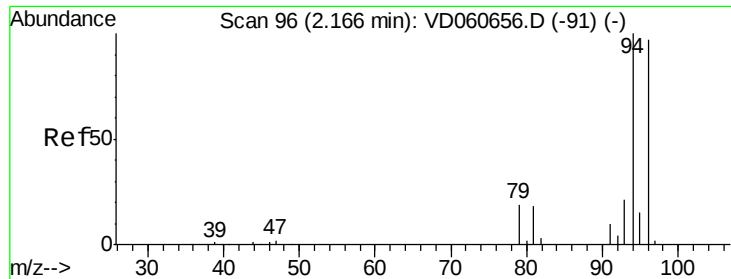
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1.87

1.80 1.90 2.00

Time-->





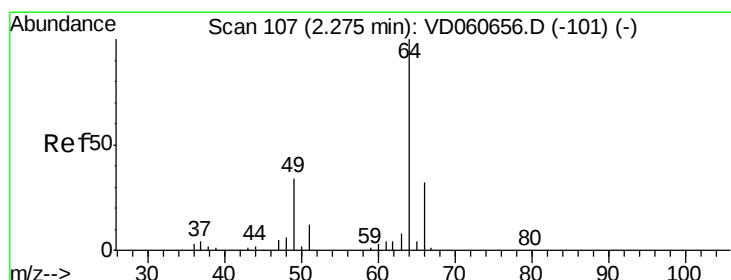
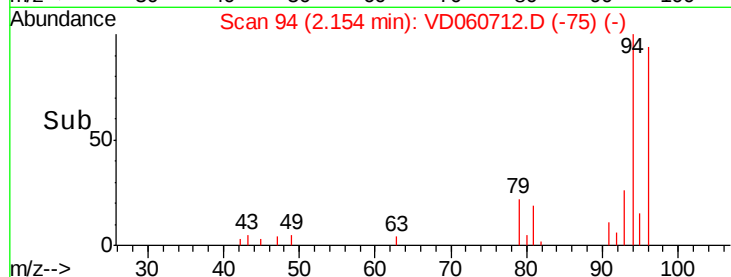
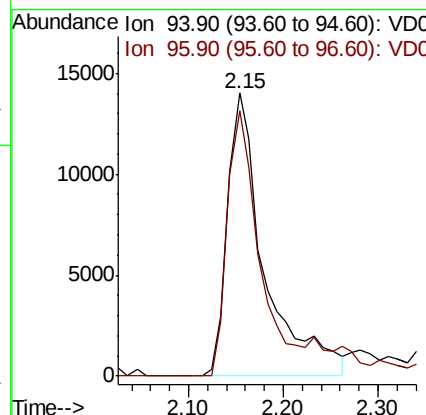
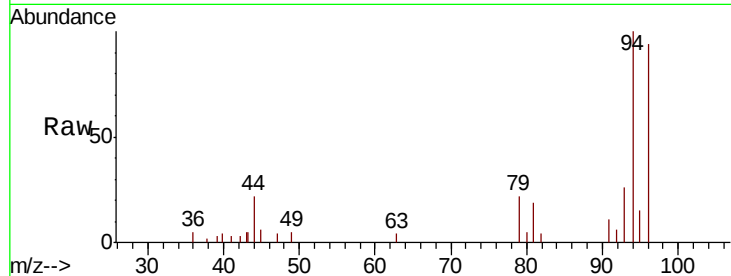
#5
Bromomethane
Concen: 12.010 ug/l
RT: 2.15 min Scan# 94
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 94 Resp: 38174
Ion Ratio Lower Upper
94 100
96 93.6 77.2 115.8

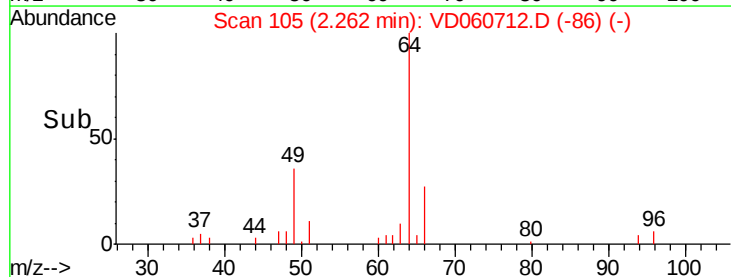
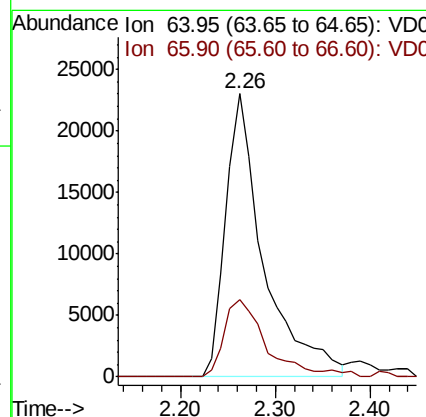
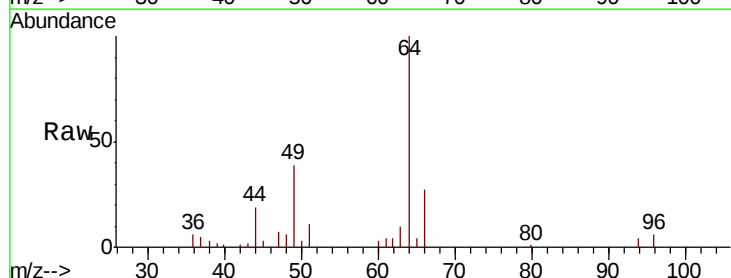
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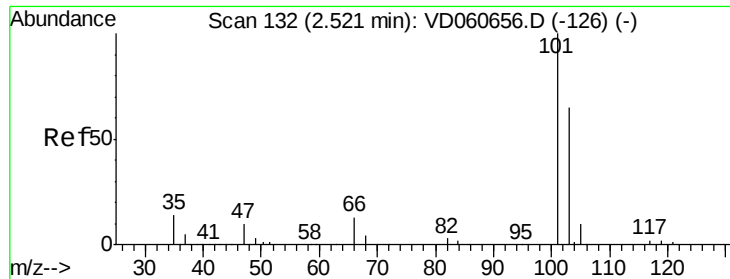
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#6
Chloroethane
Concen: 15.166 ug/l
RT: 2.26 min Scan# 105
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion: 64 Resp: 64226
Ion Ratio Lower Upper
64 100
66 27.2 25.6 38.4





#7

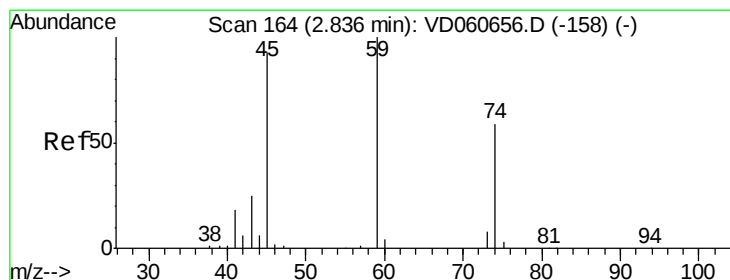
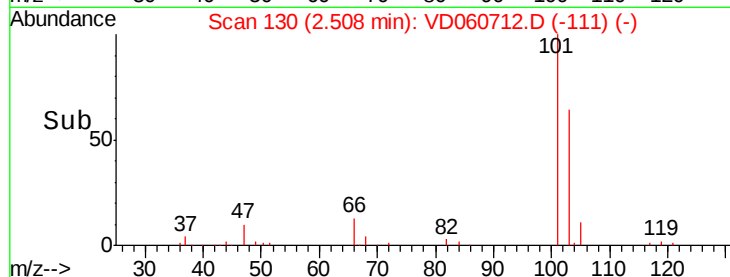
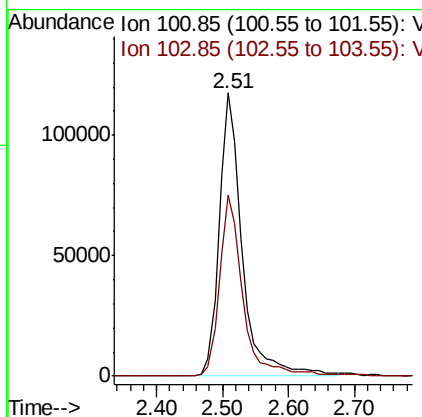
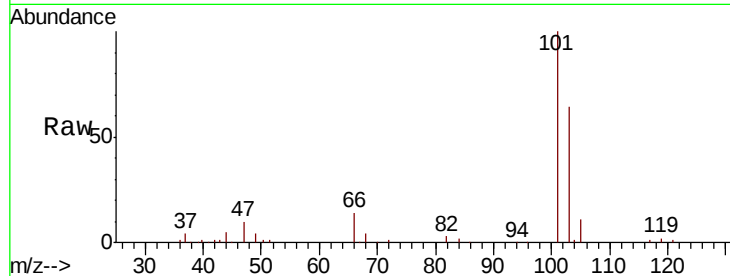
Trichlorofluoromethane
 Concen: 18.140 ug/l
 RT: 2.51 min Scan# 130
 Delta R.T. -0.01 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
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 VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	286309		
103	64.2	51.9	77.9	

Manual Integrations
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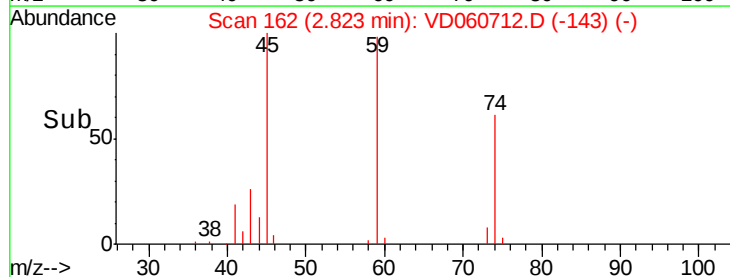
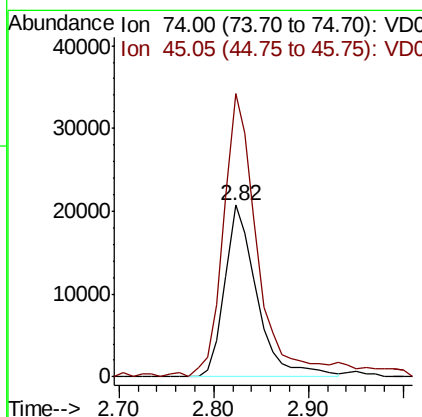
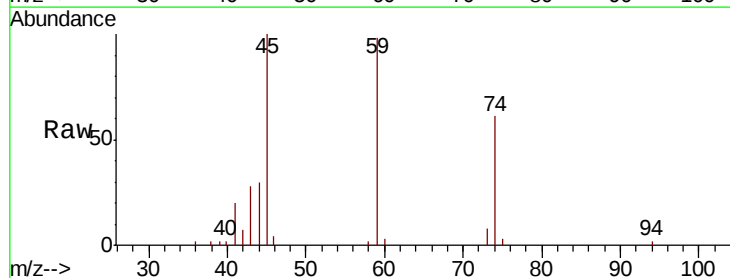
apatel
 12/27/2018 10:48:02 AM

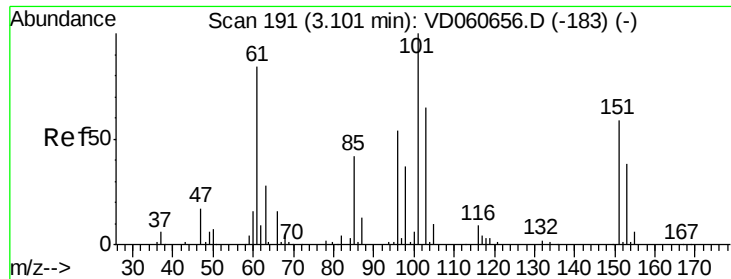


#8

Diethyl Ether
 Concen: 18.480 ug/l
 RT: 2.82 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48801		
45	165.1	79.3	238.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.719 ug/l

RT: 3.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

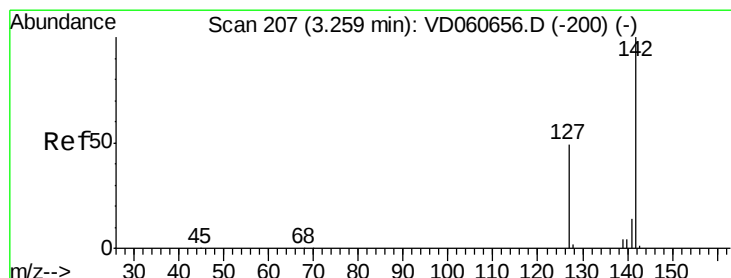
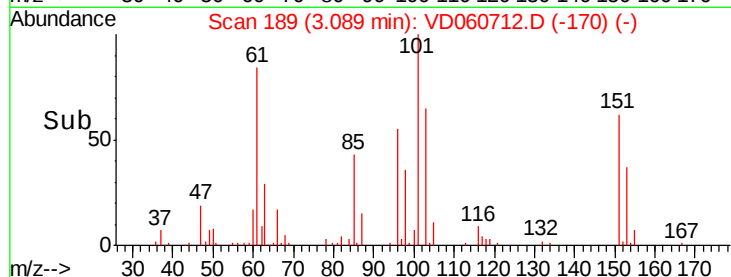
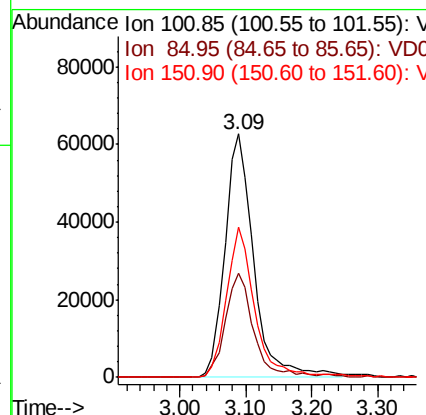
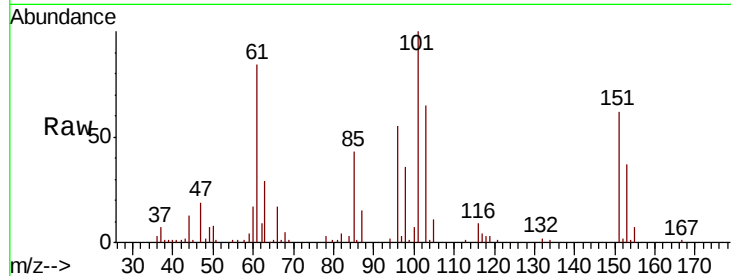
ClientSampleId :

VD1226SBS01

Tot Ion:	101	Resp:	191644
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.4	50.0
151	61.7	47.5	71.3

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#10

Methyl Iodide

Concen: 17.786 ug/l

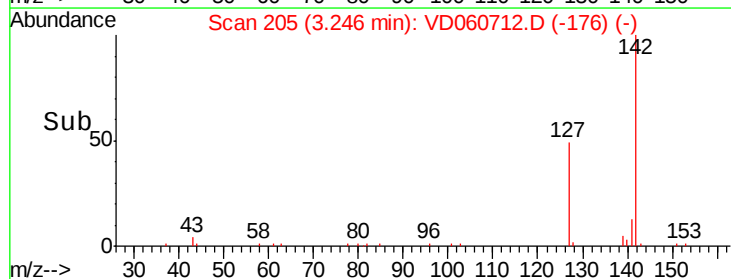
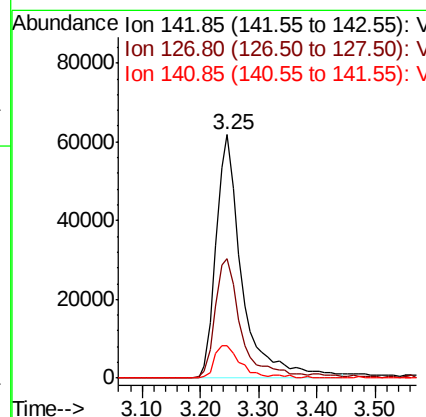
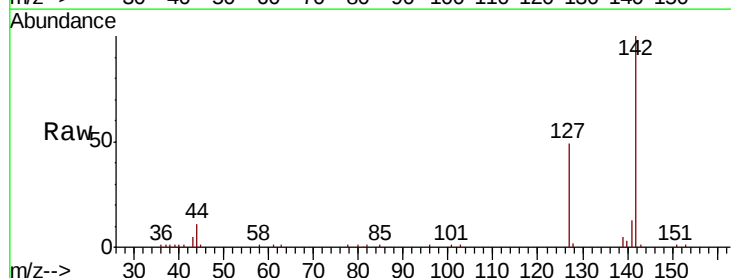
RT: 3.25 min Scan# 205

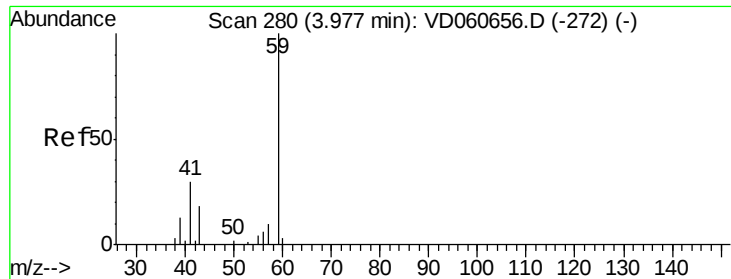
Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Tgt Ion:	142	Resp:	191377
Ion Ratio	Lower	Upper	
142	100		
127	49.3	39.5	59.3
141	13.3	11.3	16.9





#11

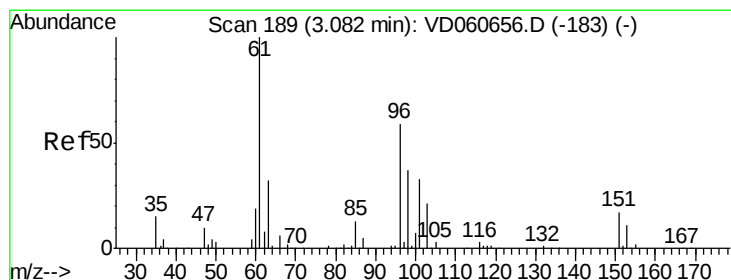
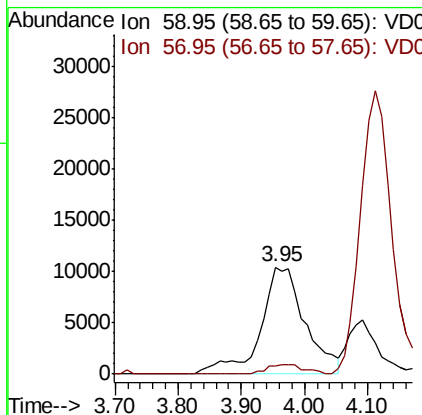
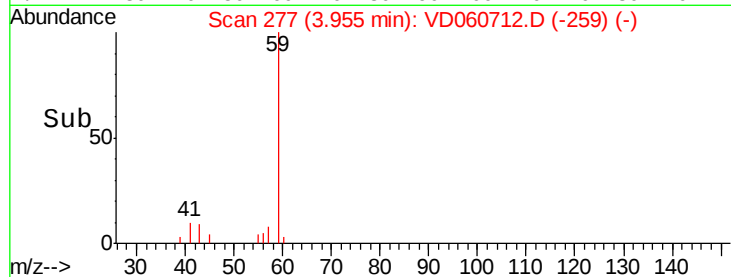
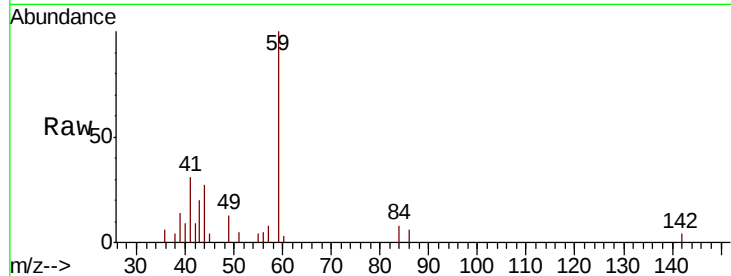
Tert butyl alcohol
Concen: 116.588 ug/l
RT: 3.95 min Scan# 277
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 59 Resp: 51179
Ion Ratio Lower Upper
59 100
57 7.6 7.8 11.6#

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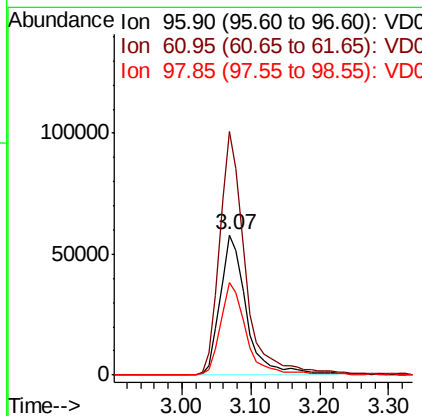
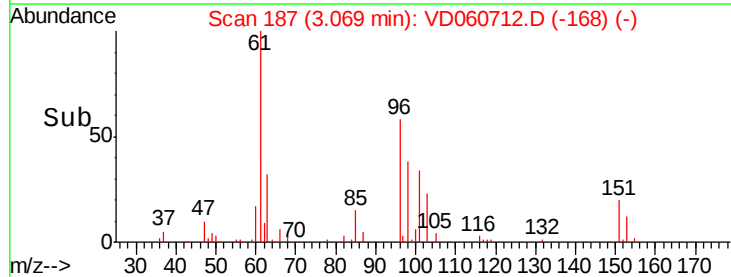
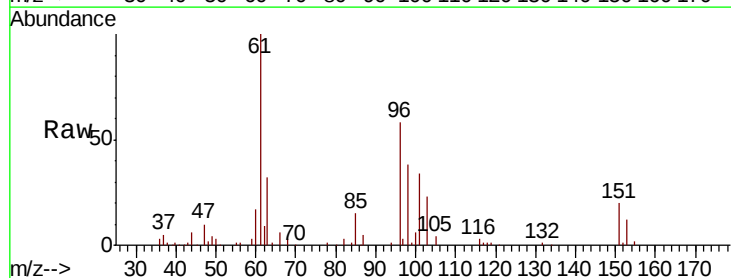
apatel
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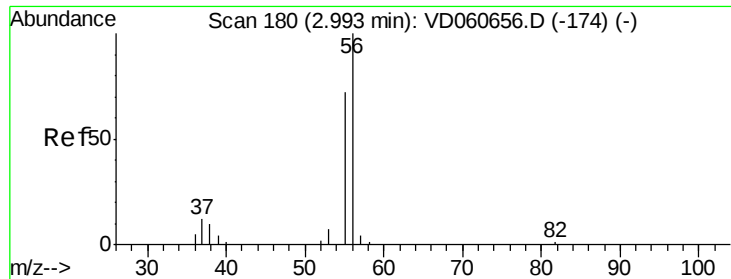


#12

1,1-Dichloroethene
Concen: 18.293 ug/l
RT: 3.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion: 96 Resp: 153891
Ion Ratio Lower Upper
96 100
61 173.6 136.2 204.4
98 65.8 50.7 76.1





#13

Acrolein

Concen: 96.199 ug/l

RT: 2.98 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 56 Resp: 43033

Ion Ratio Lower Upper

56 100

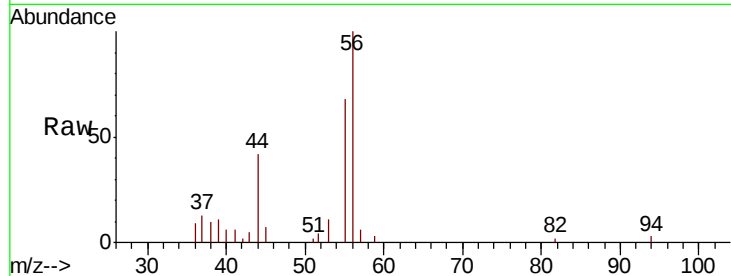
55 67.7 57.7 86.5

Manual Integrations

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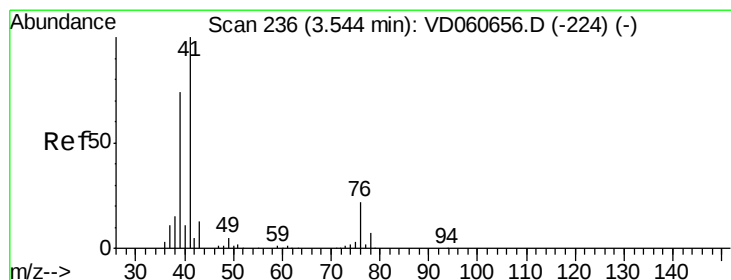
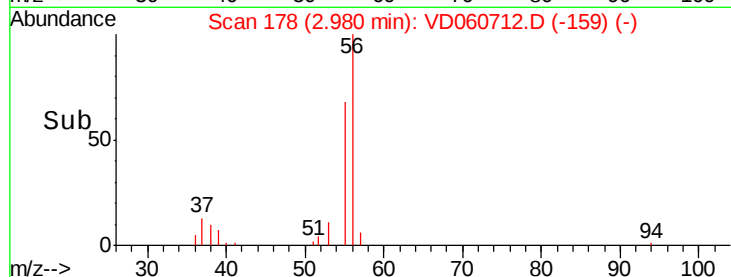
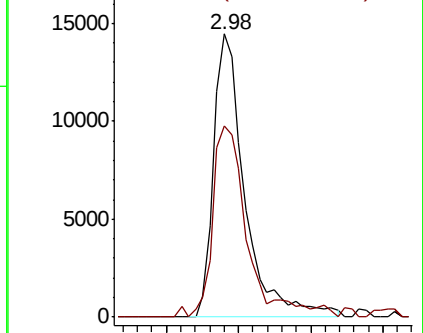
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.142 ug/l

RT: 3.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

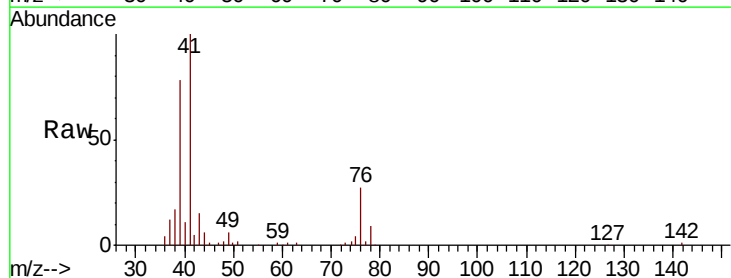
Tgt Ion: 41 Resp: 280045

Ion Ratio Lower Upper

41 100

39 77.7 59.6 89.4

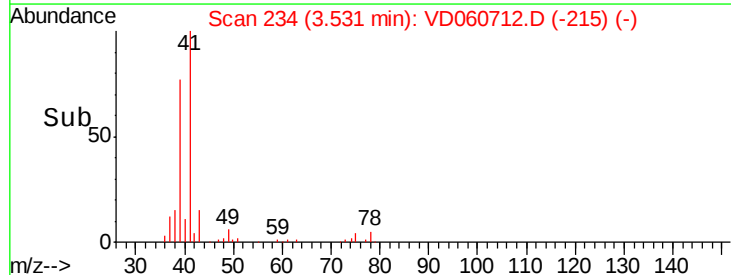
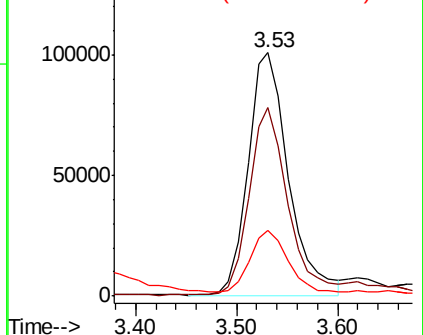
76 27.0 21.8 32.6

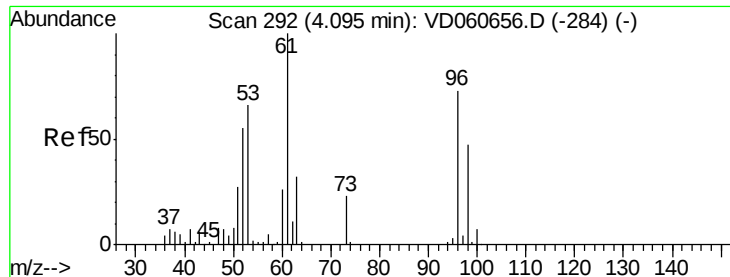


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.255 ug/l

RT: 4.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 53 Resp: 252952

Ion Ratio Lower Upper

53 100

52 87.5 66.7 100.1

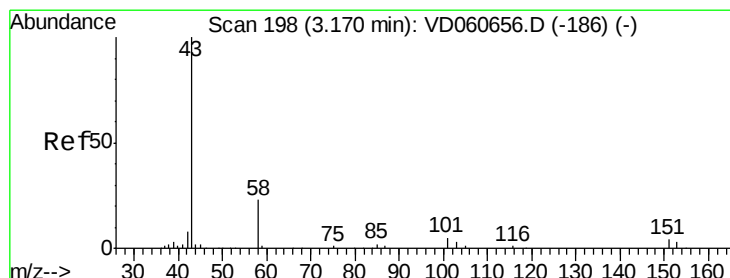
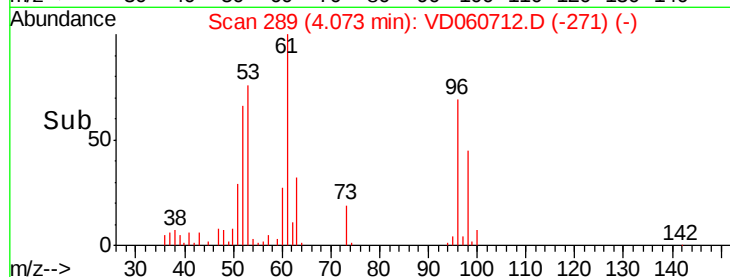
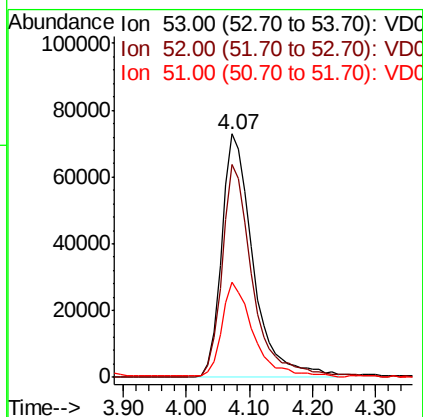
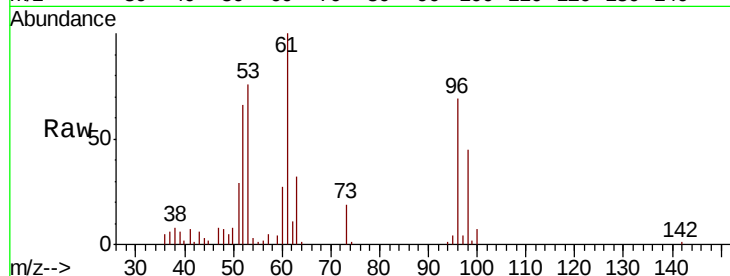
51 38.9 32.7 49.1

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#16

Acetone

Concen: 98.727 ug/l

RT: 3.16 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD060712.D

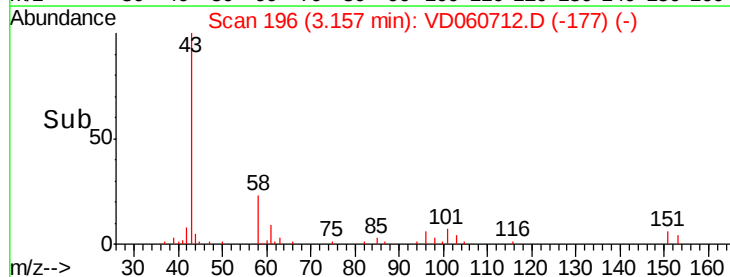
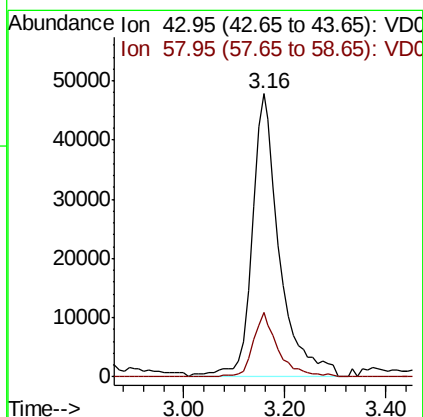
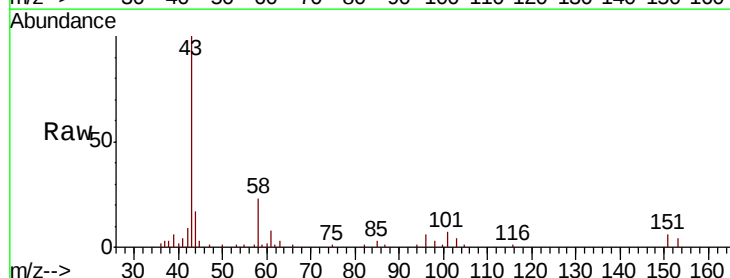
Acq: 26 Dec 2018 12:11

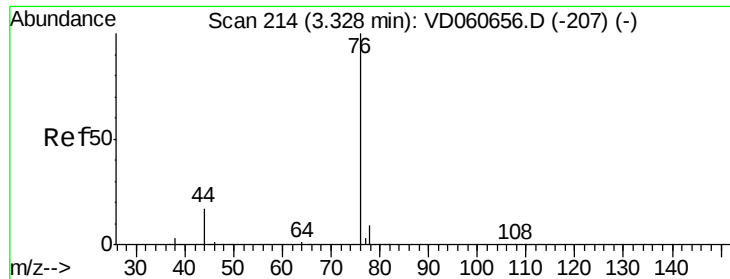
Tgt Ion: 43 Resp: 181098

Ion Ratio Lower Upper

43 100

58 22.7 18.2 27.2





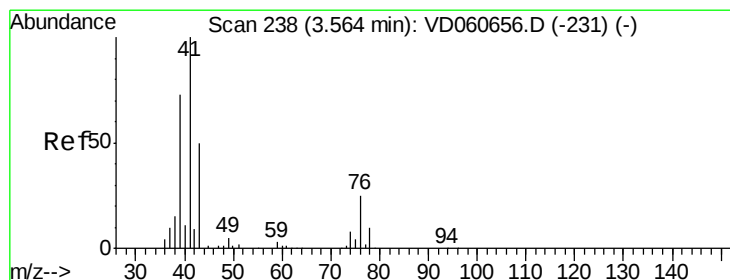
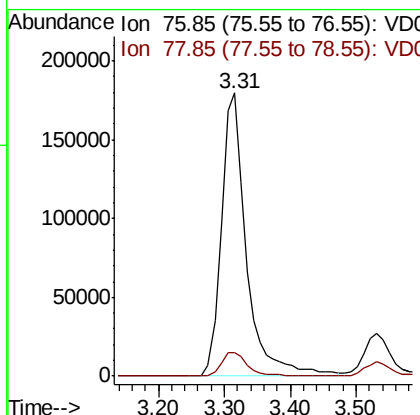
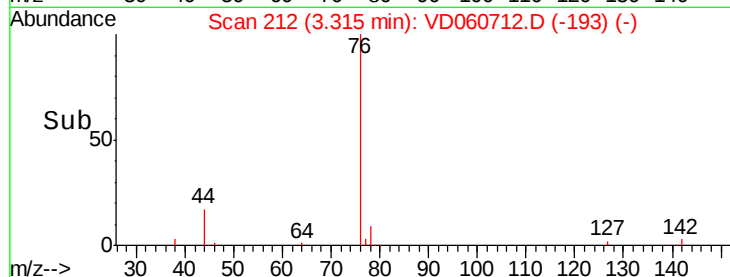
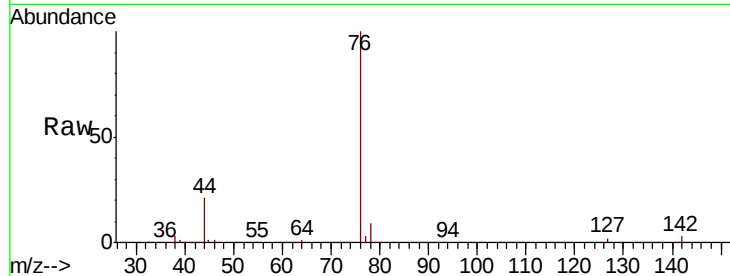
#17
Carbon Disulfide
Concen: 17.682 ug/l
RT: 3.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion: 76 Resp: 475034
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

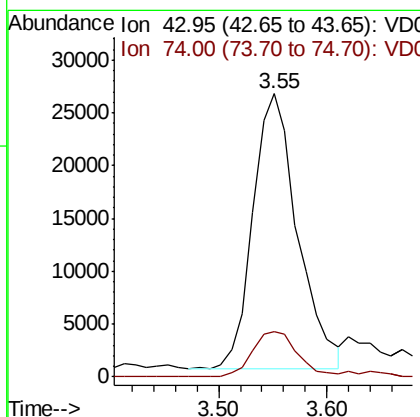
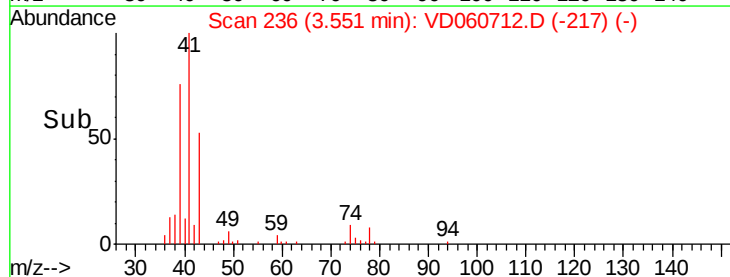
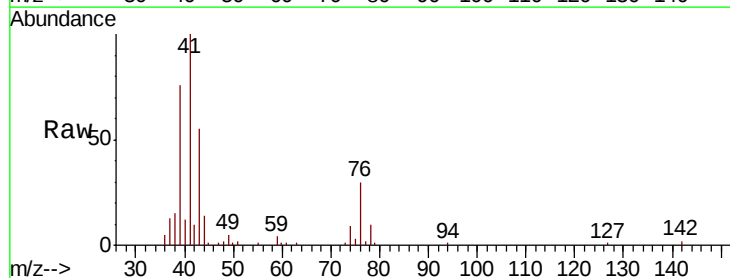
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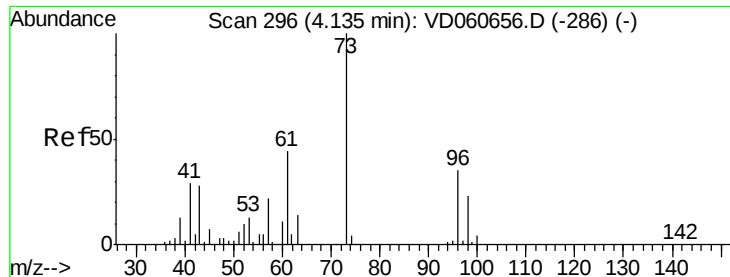
apatel
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#18
Methyl Acetate
Concen: 16.537 ug/l
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion: 43 Resp: 75179
Ion Ratio Lower Upper
43 100
74 15.9 12.4 18.6





#19

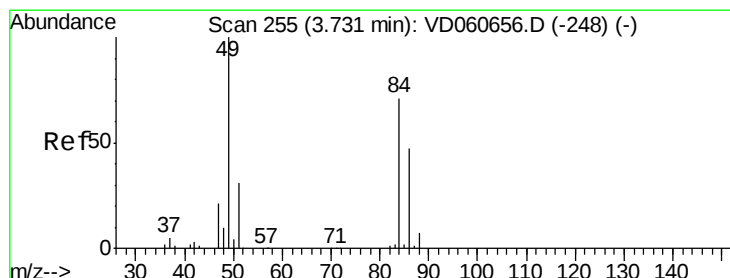
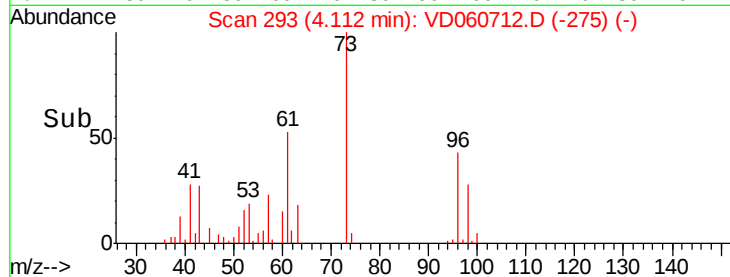
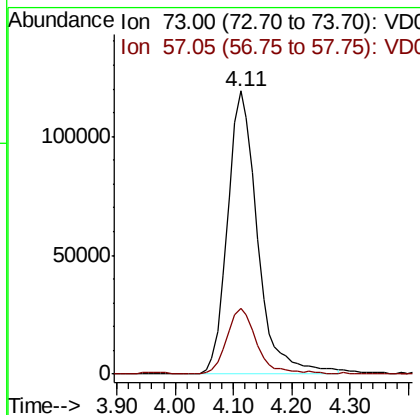
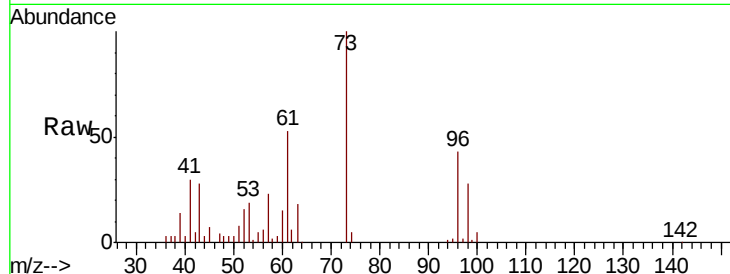
Methyl tert-butyl Ether
 Concen: 19.978 ug/l
 RT: 4.11 min Scan# 293
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1226SBS01

Tot Ion: 73 Resp: 426377
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.6 26.4

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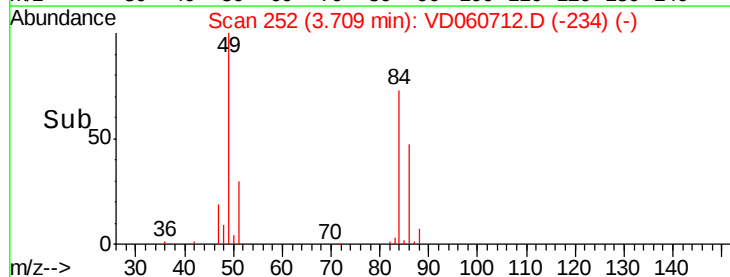
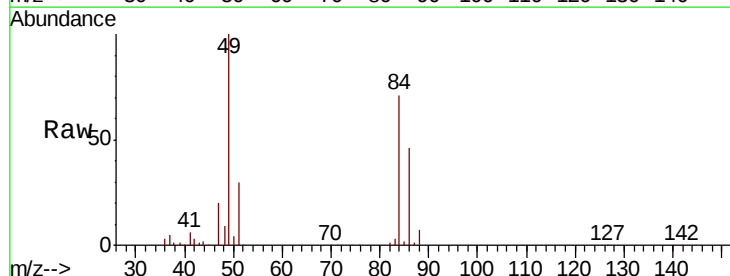
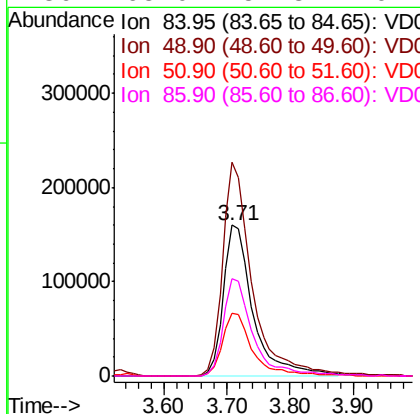
apatel
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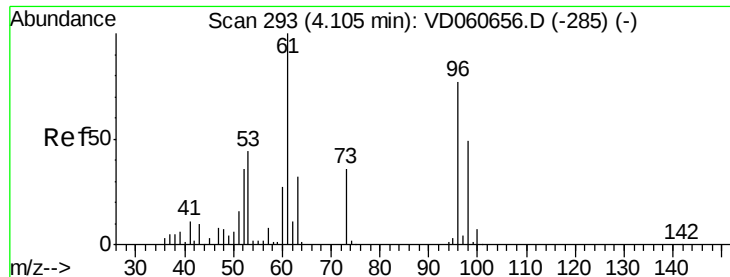


#20

Methylene Chloride
 Concen: 27.383 ug/l
 RT: 3.71 min Scan# 252
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion: 84 Resp: 521648
 Ion Ratio Lower Upper
 84 100
 49 141.8 113.6 170.4
 51 42.0 34.7 52.1
 86 65.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.037 ug/l

RT: 4.09 min Scan# 291

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 96 Resp: 327961

Ion Ratio Lower Upper

96 100

61 131.7 104.2 156.2

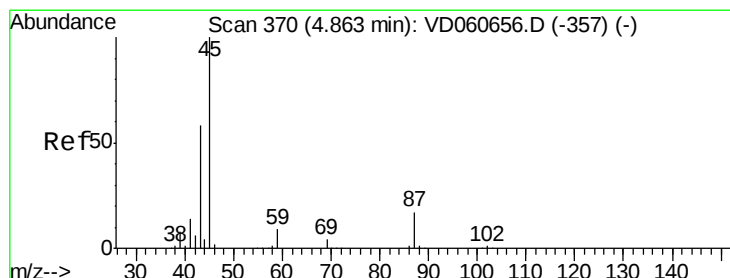
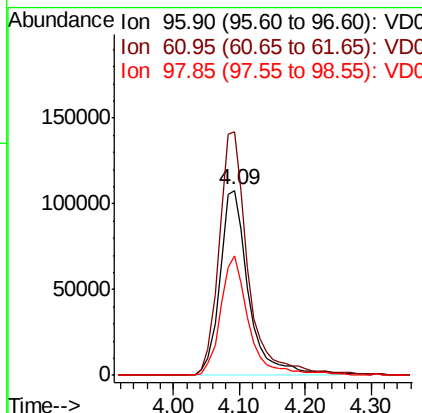
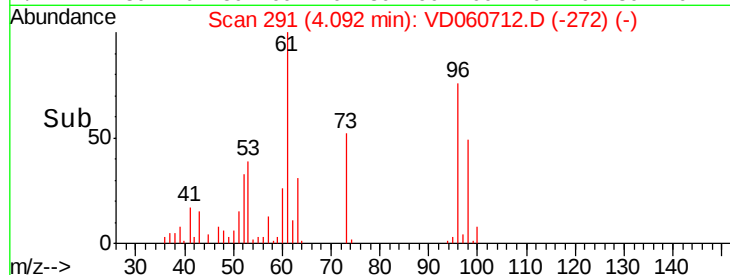
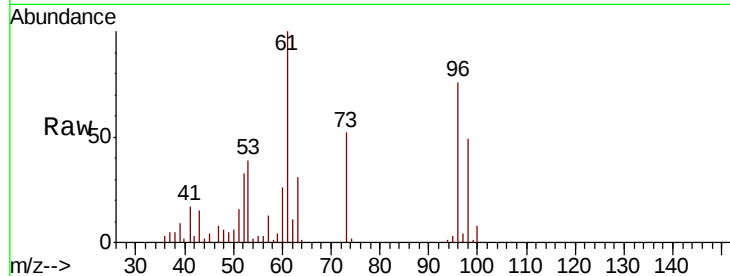
98 64.6 51.2 76.8

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#22

Diisopropyl ether

Concen: 19.783 ug/l

RT: 4.84 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Tgt Ion: 45 Resp: 1036842

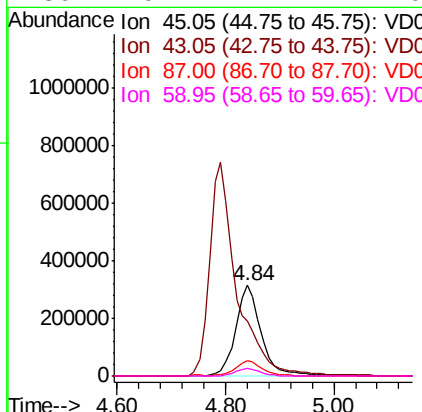
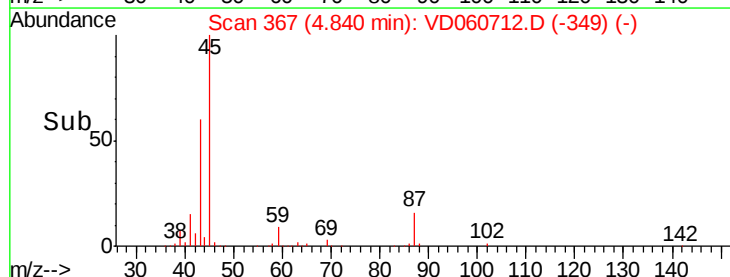
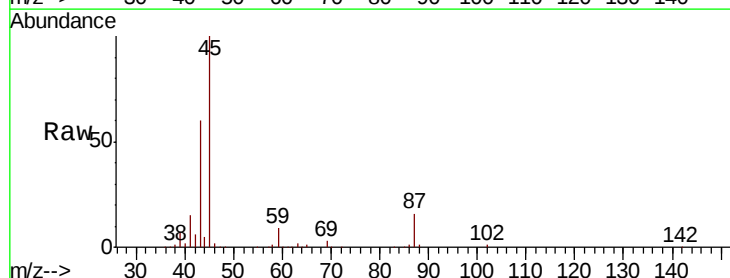
Ion Ratio Lower Upper

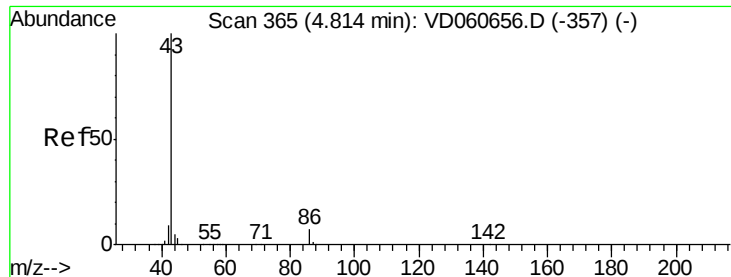
45 100

43 60.2 46.1 69.1

87 16.3 13.7 20.5

59 9.2 7.4 11.0





#23

Vinyl Acetate

Concen: 101.039 ug/l

RT: 4.79 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 2561944

Ion Ratio Lower Upper

43 100

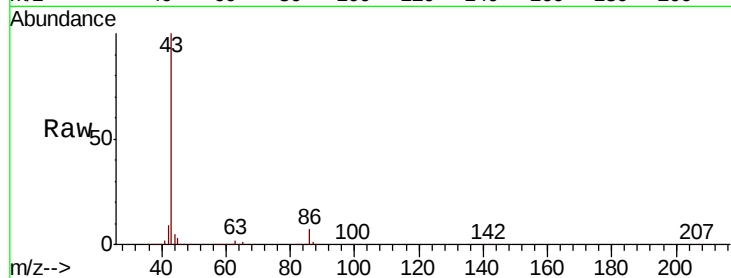
86 6.6 5.6 8.4

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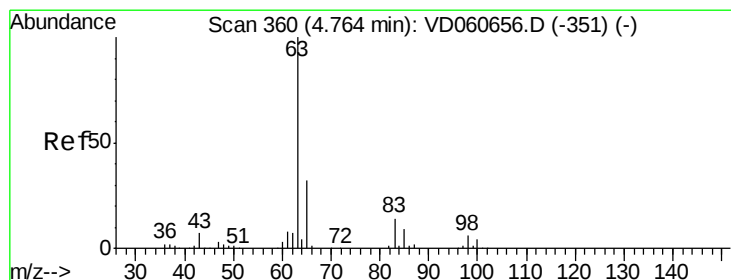
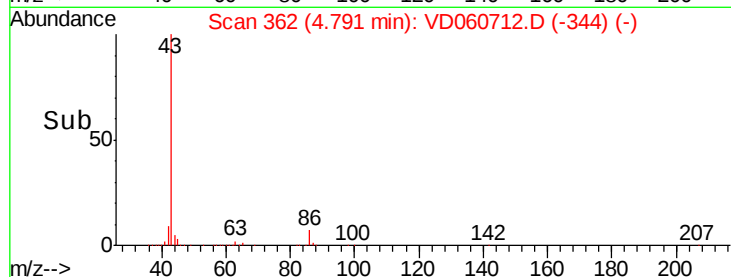
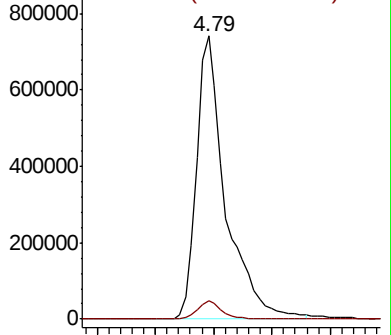
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.528 ug/l

RT: 4.74 min Scan# 357

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

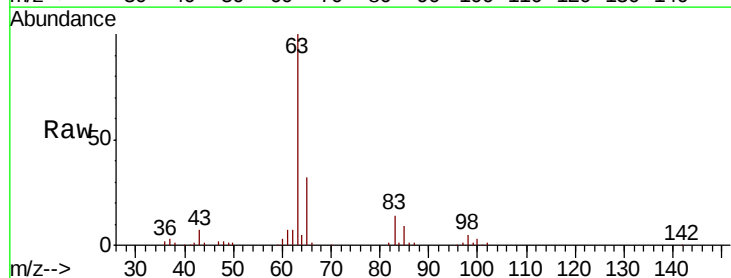
Tgt Ion: 63 Resp: 538343

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.7

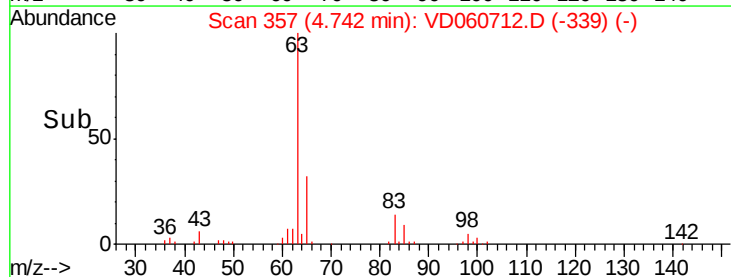
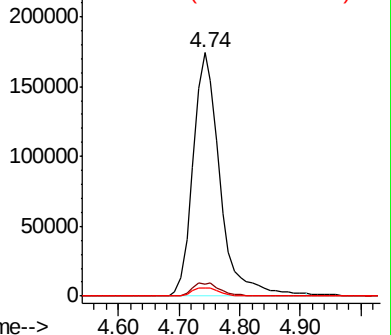
100 3.4 2.0 5.8

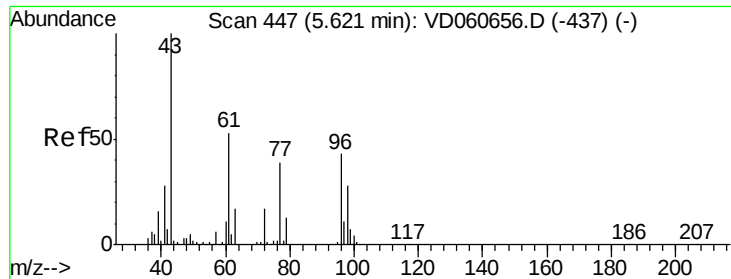


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.204 ug/l

RT: 5.61 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 355237

Ion Ratio Lower Upper

43 100

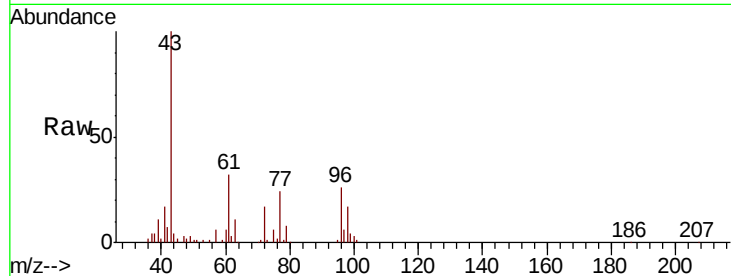
72 17.1 13.7 20.5

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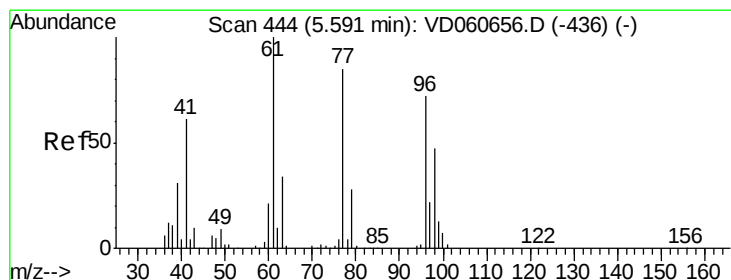
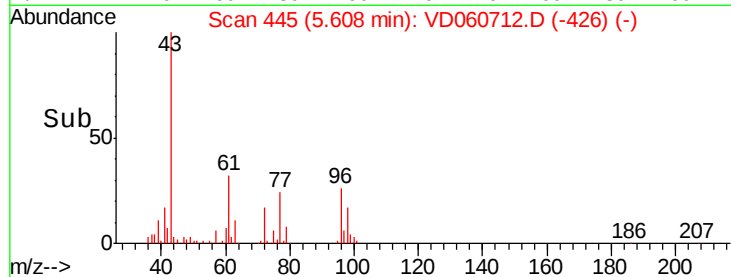
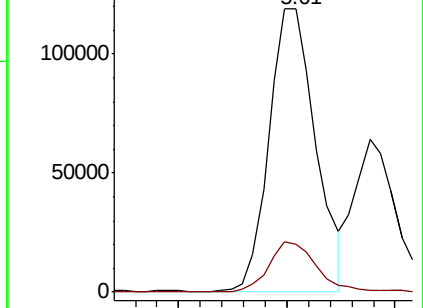
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.958 ug/l

RT: 5.57 min Scan# 441

Delta R.T. -0.02 min

Lab File: VD060712.D

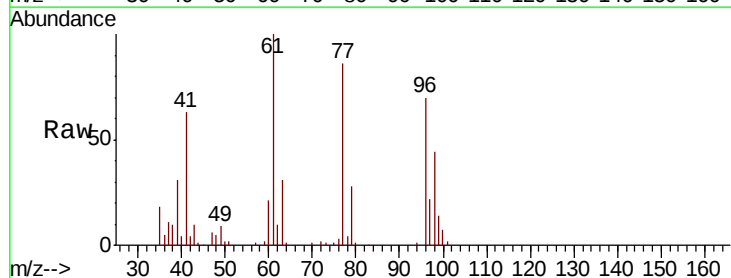
Acq: 26 Dec 2018 12:11

Tgt Ion: 77 Resp: 434295

Ion Ratio Lower Upper

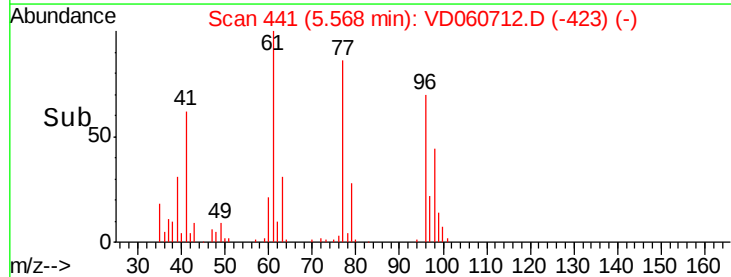
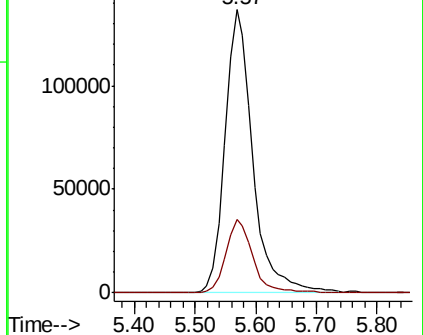
77 100

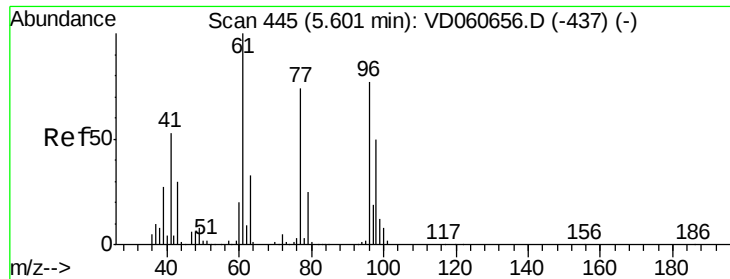
97 26.0 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

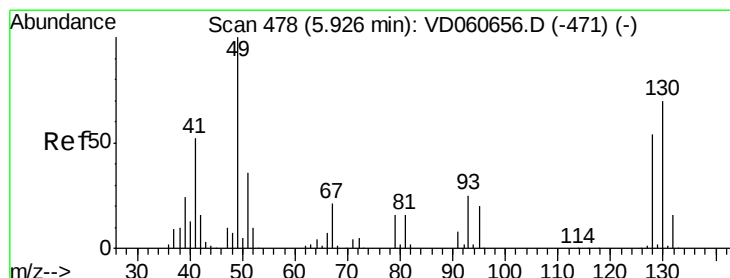
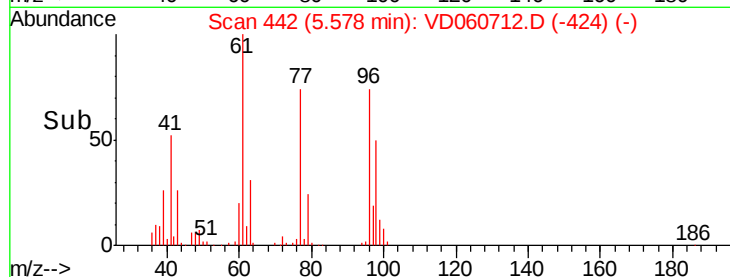
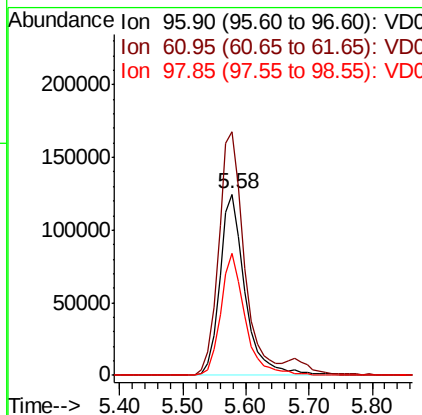
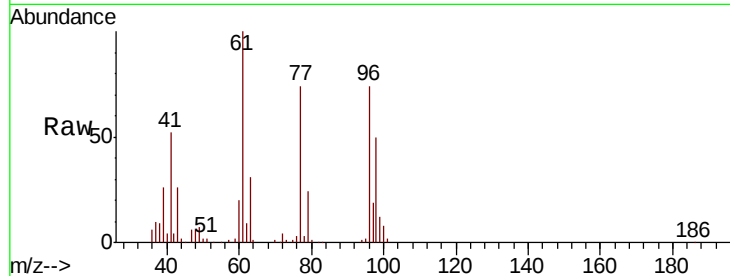
cis-1,2-Dichloroethene
Concen: 19.805 ug/l
RT: 5.58 min Scan# 442
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	346359		
61	134.4	0.0	259.4	
98	67.4	0.0	130.0	

Manual Integrations
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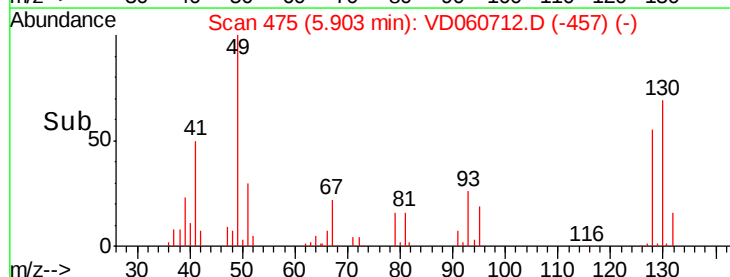
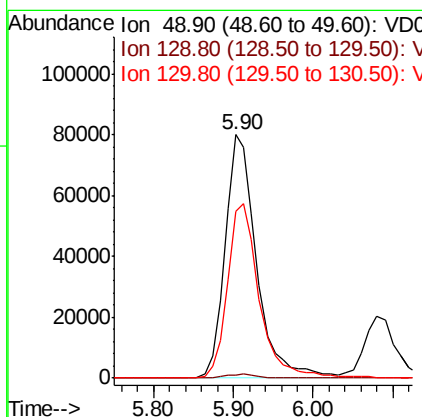
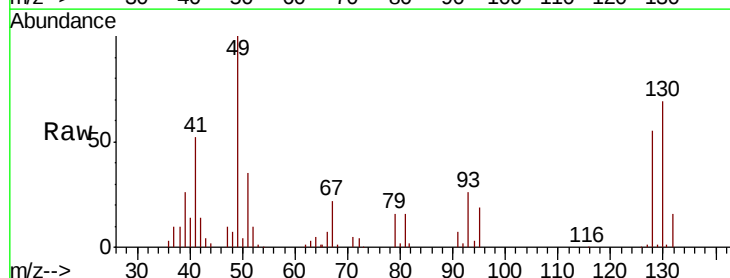
apatel
12/27/2018 10:48:02 AM

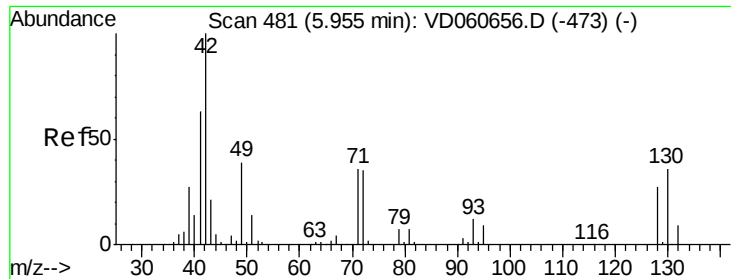


#28

Bromochloromethane
Concen: 18.942 ug/l
RT: 5.90 min Scan# 475
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	220597		
129	1.4	0.0	3.4	
130	68.8	56.2	84.2	





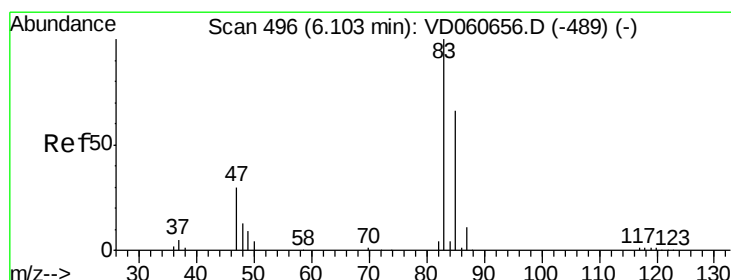
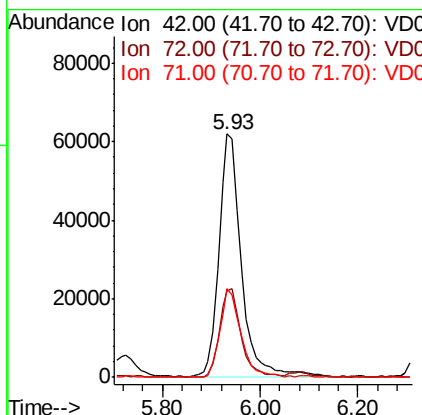
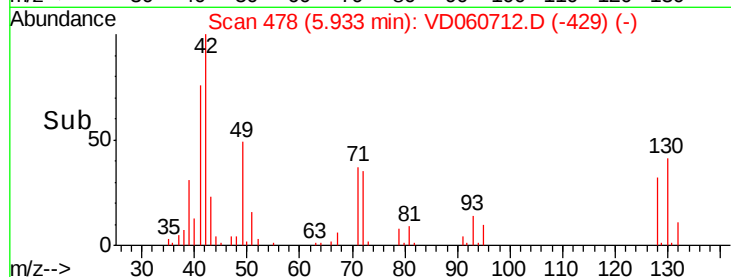
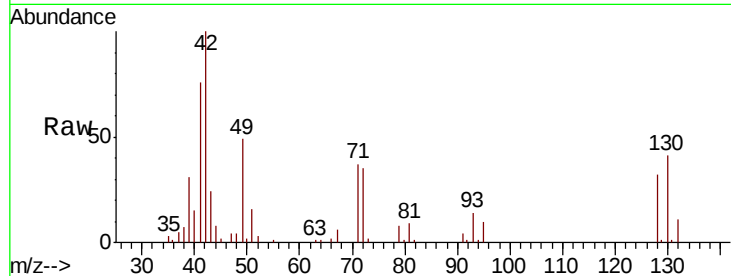
#29
Tetrahydrofuran
Concen: 100.196 ug/l
RT: 5.93 min Scan# 478
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.0	42.0
71	33.6	27.0	40.6

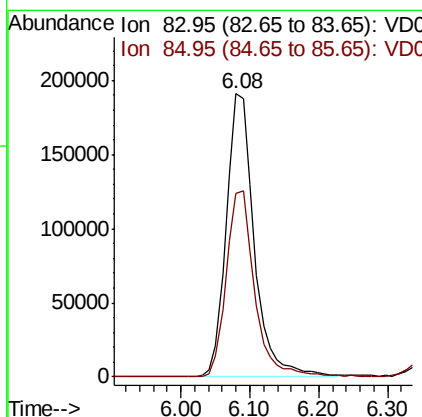
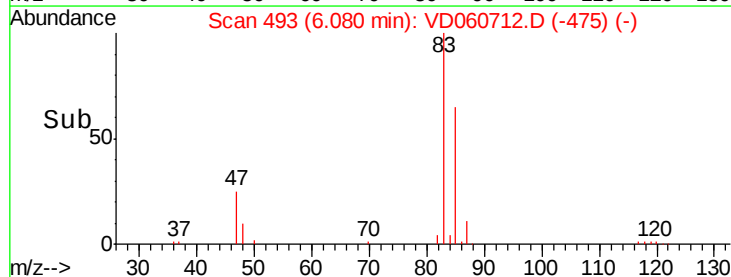
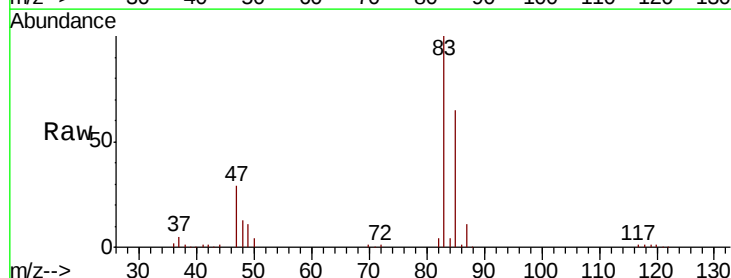
Manual Integrations
APPROVED

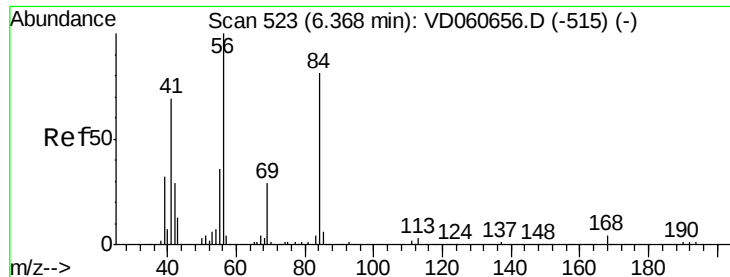
apatel
12/27/2018 10:48:02 AM



#30
Chloroform
Concen: 19.379 ug/l
RT: 6.08 min Scan# 493
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.0	79.6





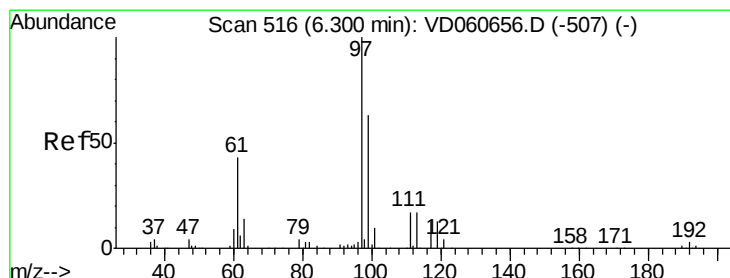
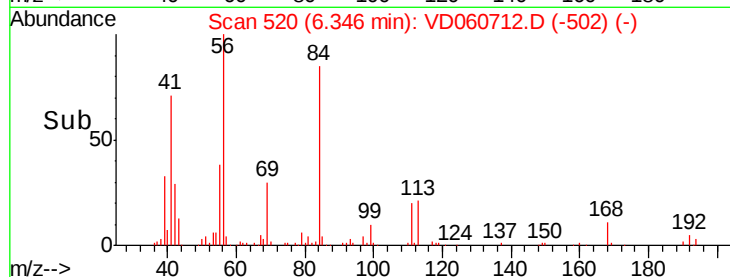
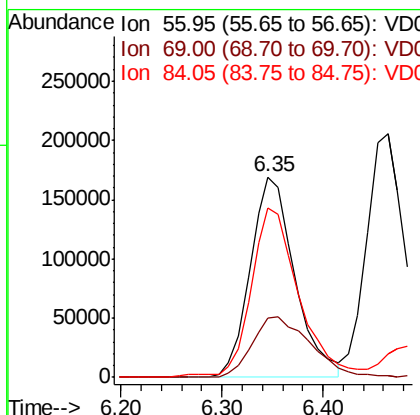
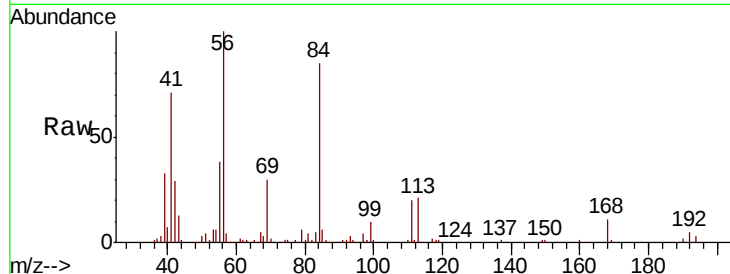
#31
Cyclohexane
Concen: 19.532 ug/l
RT: 6.35 min Scan# 520
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.6	35.4
84	84.6	65.8	98.6

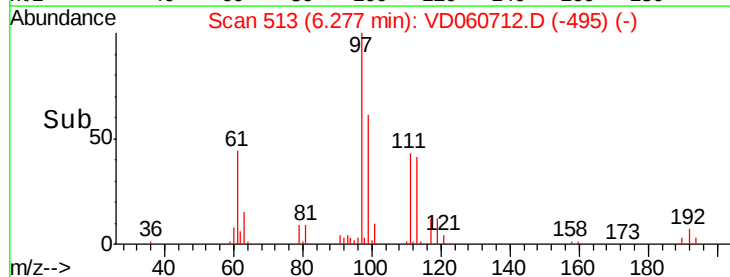
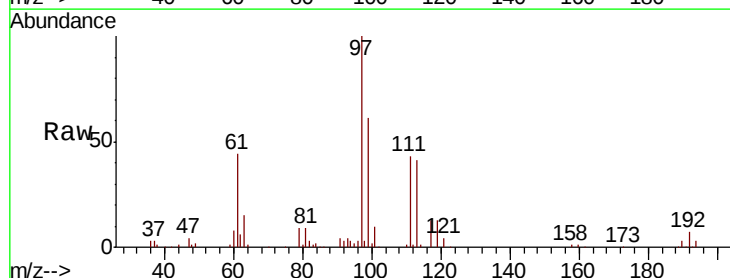
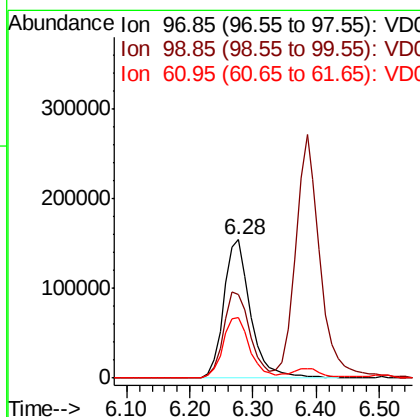
Manual Integrations
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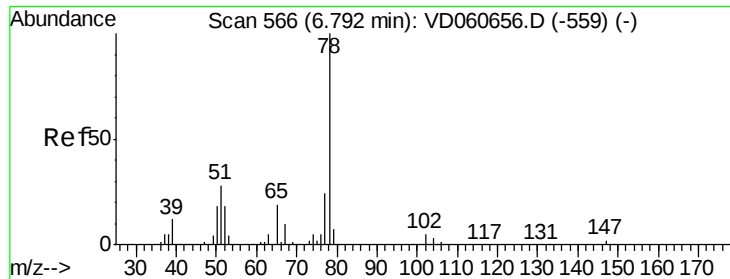
apatel
12/27/2018 10:48:02 AM



#32
1,1,1-Trichloroethane
Concen: 19.710 ug/l
RT: 6.28 min Scan# 513
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	50.5	75.7
61	43.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 19.710 ug/l

RT: 6.77 min Scan# 563

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 65 Resp: 534544

Ion Ratio Lower Upper

65 100

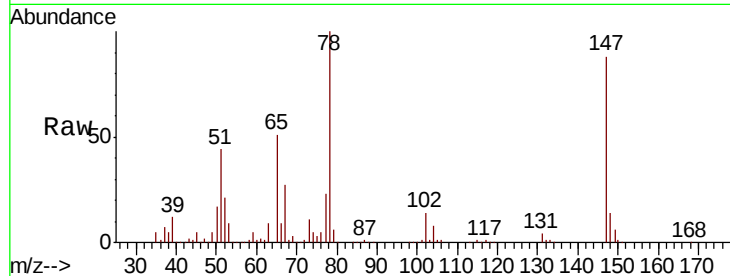
67 52.6 0.0 105.4

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

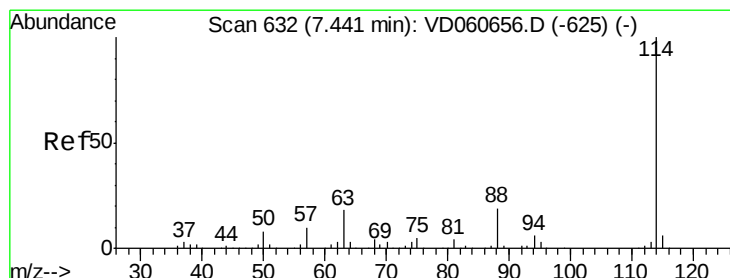
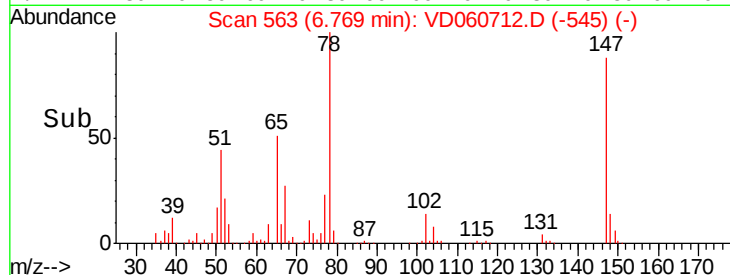
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 629

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

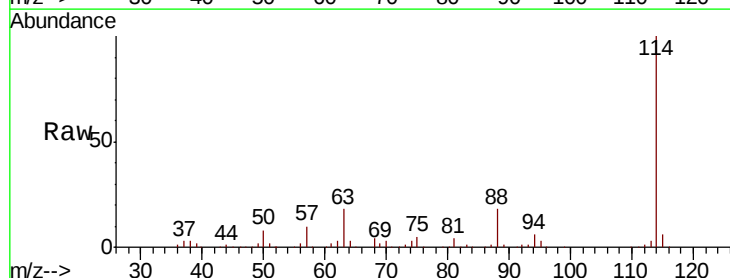
Tgt Ion: 114 Resp: 2082987

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

88 18.4 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

400000

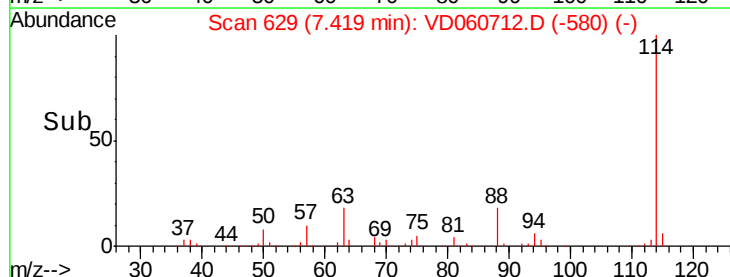
200000

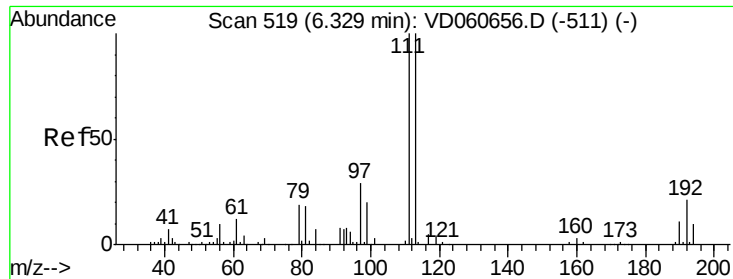
0

7.40

7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 516

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

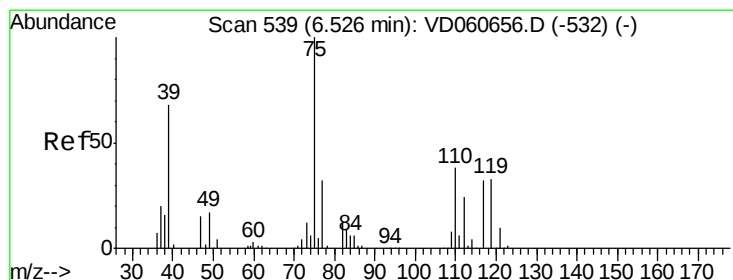
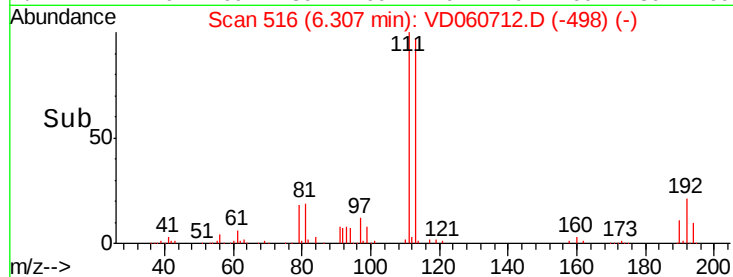
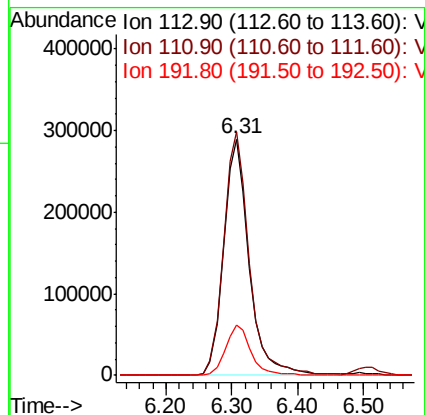
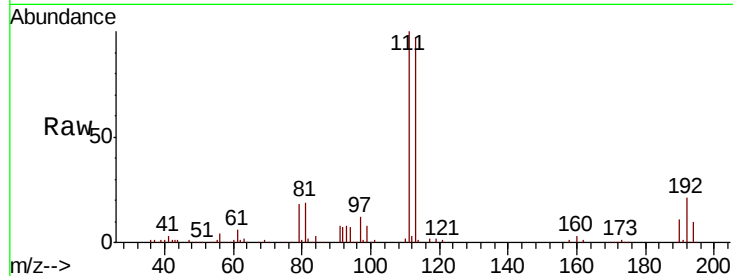
ClientSampleId :

VD1226SBSD01

Tot Ion:	113	Resp:	783218
Ion Ratio	Lower	Upper	
113	100		
111	103.0	80.0	120.0
192	21.5	16.6	25.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.527 ug/l

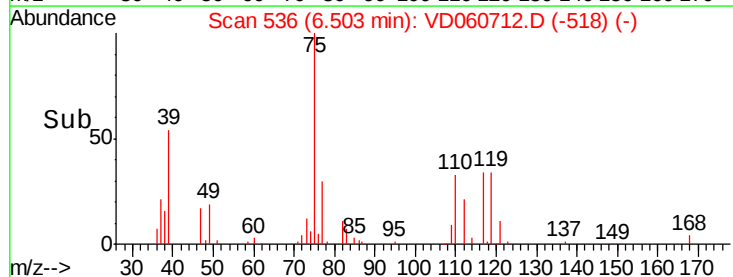
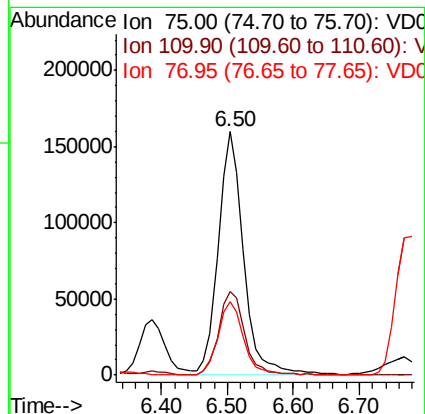
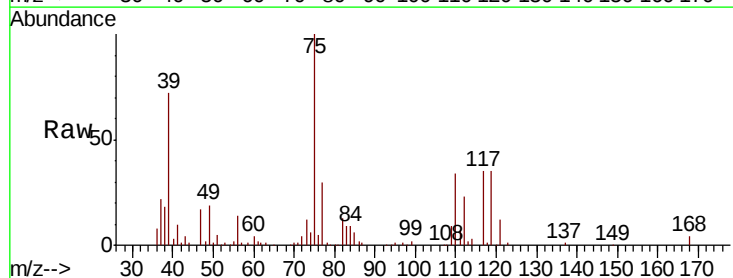
RT: 6.50 min Scan# 536

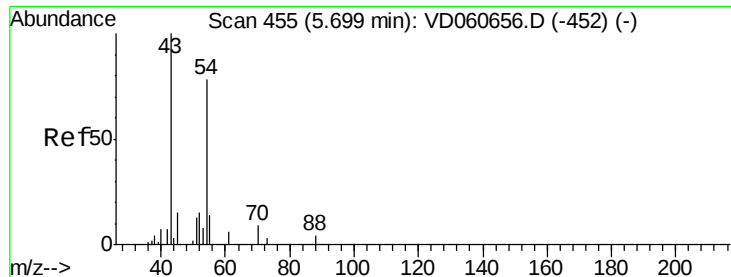
Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Tgt Ion:	75	Resp:	418828
Ion Ratio	Lower	Upper	
75	100		
110	34.3	18.9	56.7
77	30.1	25.4	38.0





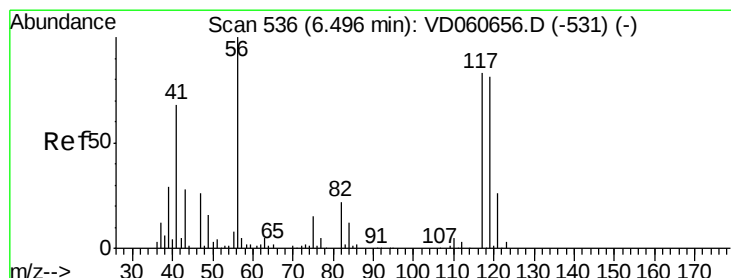
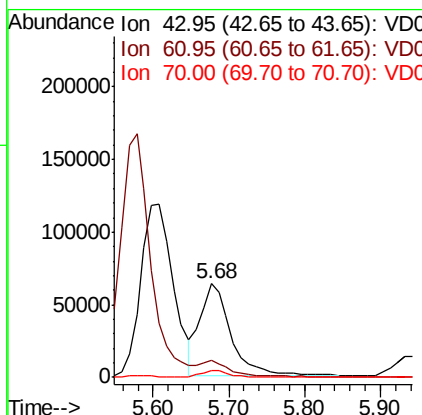
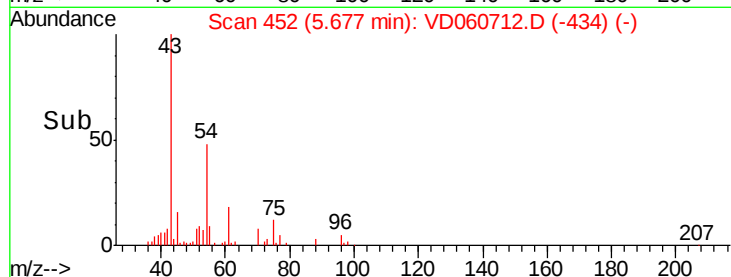
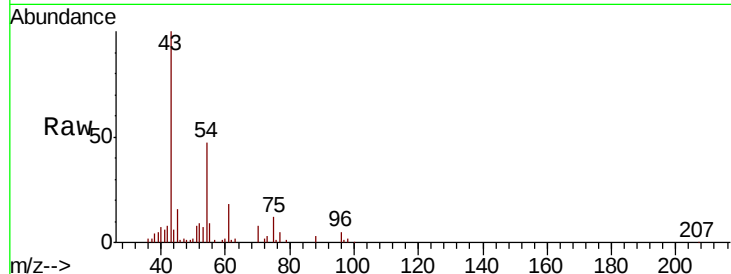
#37
Ethyl Acetate
Concen: 20.094 ug/l
RT: 5.68 min Scan# 452
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	11.8	17.6#
70	7.7	5.8	8.6

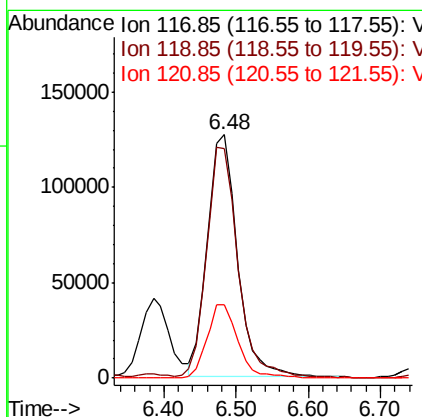
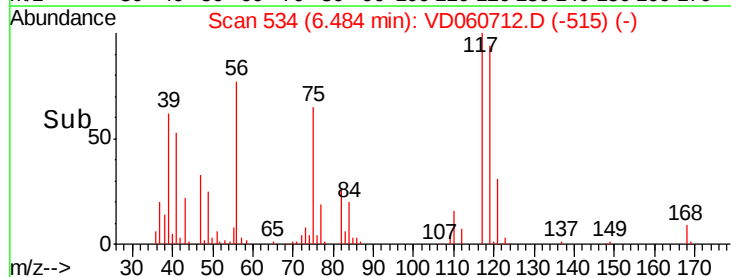
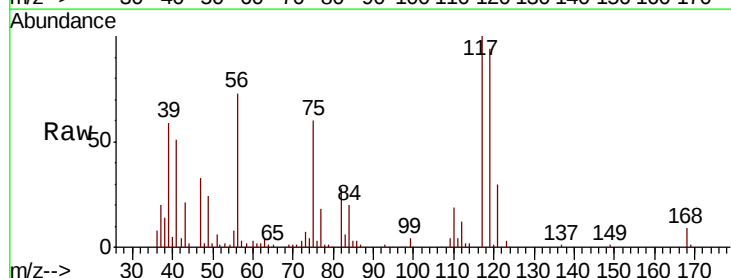
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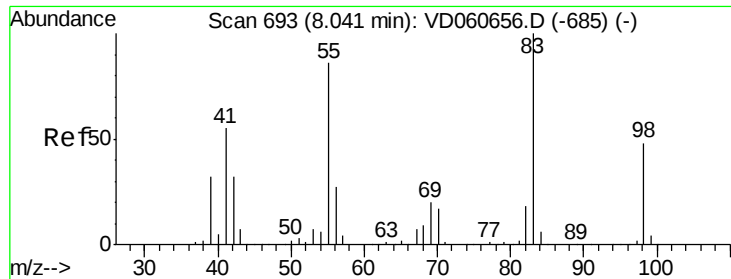
apatel
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#38
Carbon Tetrachloride
Concen: 19.265 ug/l
RT: 6.48 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.4
121	30.4	24.7	37.1





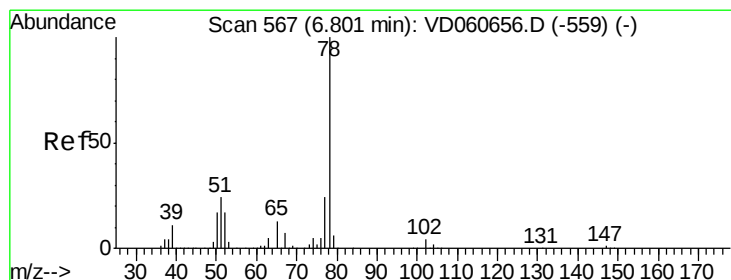
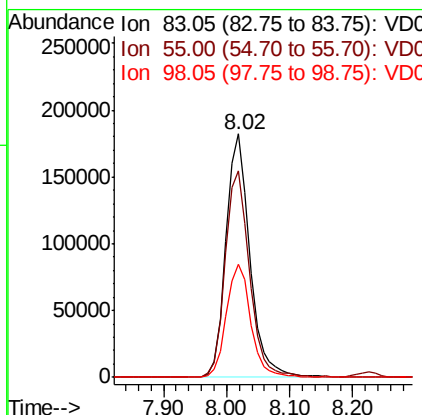
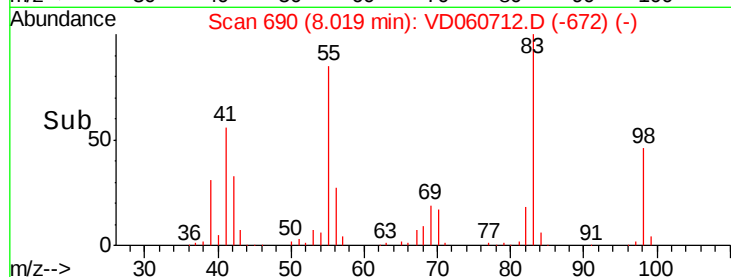
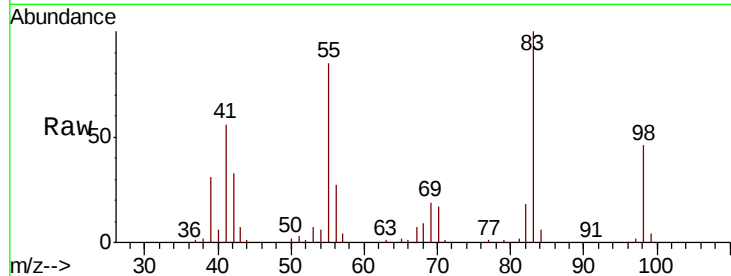
#39
Methvlcvclohexane
Concen: 19.566 ug/l
RT: 8.02 min Scan# 690
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	68.6	102.8
98	46.4	38.1	57.1

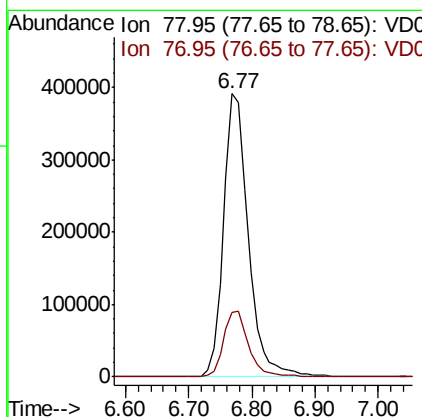
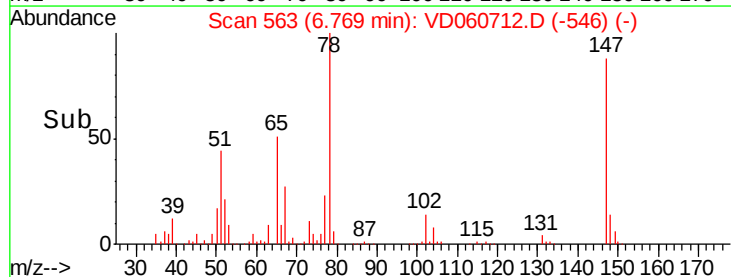
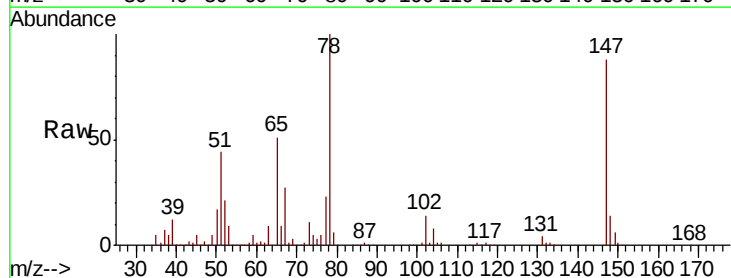
Manual Integrations
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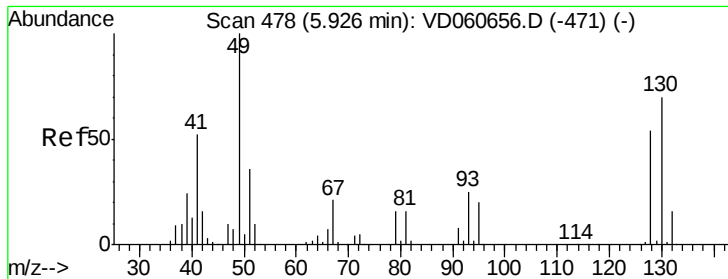
apatel
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#40
Benzene
Concen: 19.313 ug/l
RT: 6.77 min Scan# 563
Delta R.T. -0.03 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8





#41

Methacrylonitrile

Concen: 24.263 ug/l m

RT: 5.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 41 Resp: 120392
Ion Ratio Lower Upper

41 100

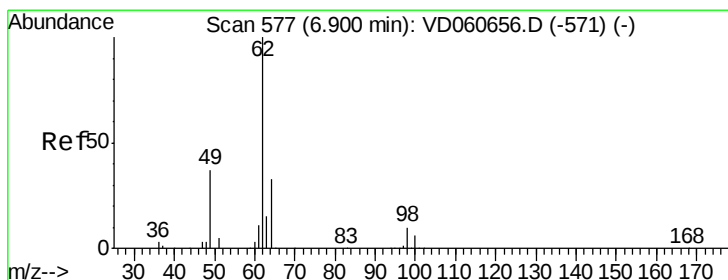
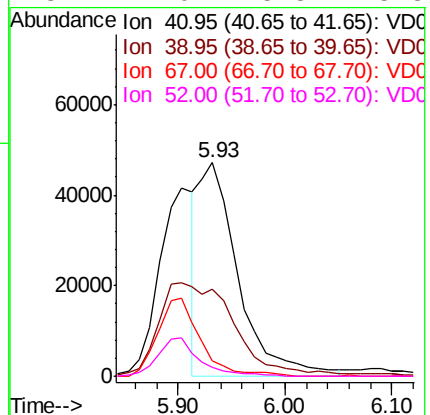
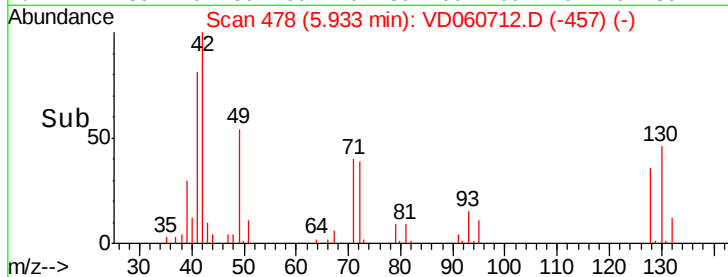
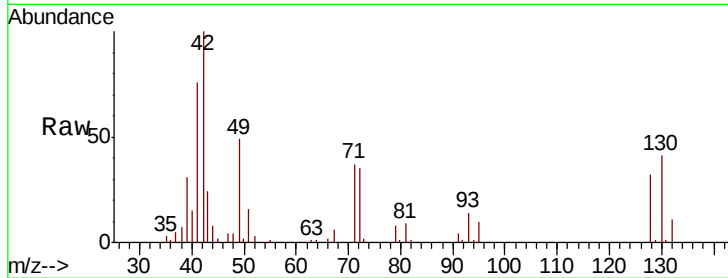
39 40.8 37.6 56.4

67 7.3 33.0 49.6#

52 4.0 15.5 23.3#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.578 ug/l

RT: 6.88 min Scan# 574

Delta R.T. -0.02 min

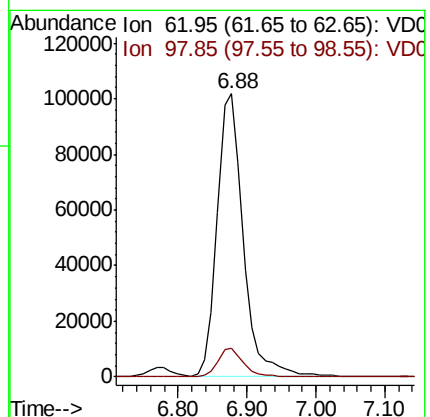
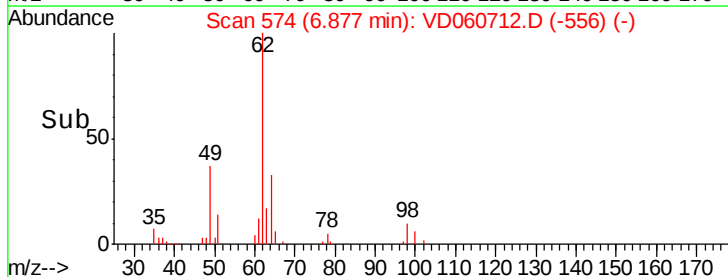
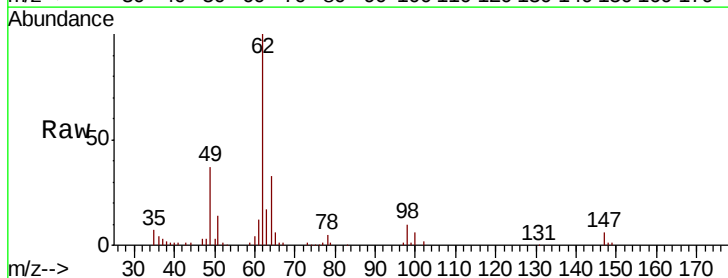
Lab File: VD060712.D

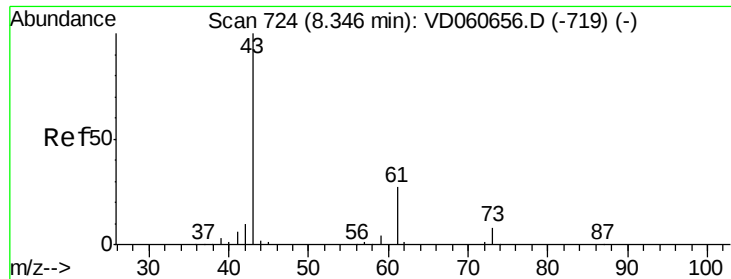
Acq: 26 Dec 2018 12:11

Tgt Ion: 62 Resp: 269173
Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.4





#43

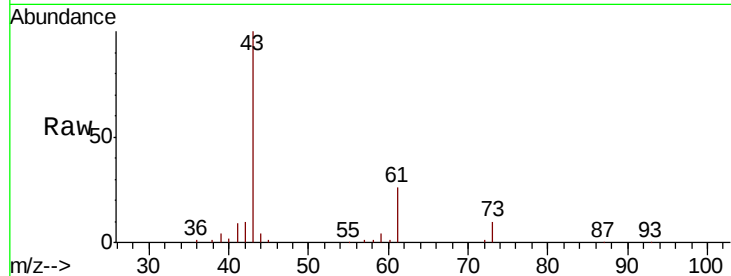
Isopropyl Acetate
 Concen: 19.864 ug/l
 RT: 8.32 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1226SBS01

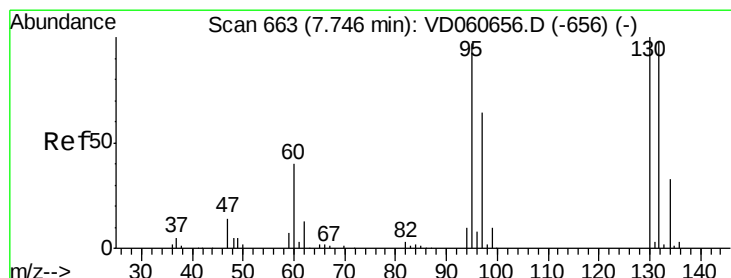
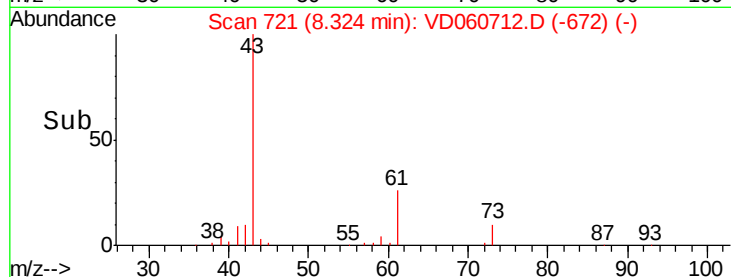
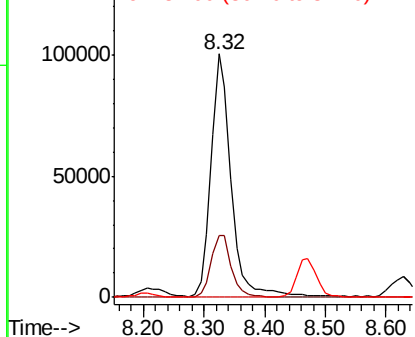
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	21.8	32.8
87	0.3	0.2	0.4

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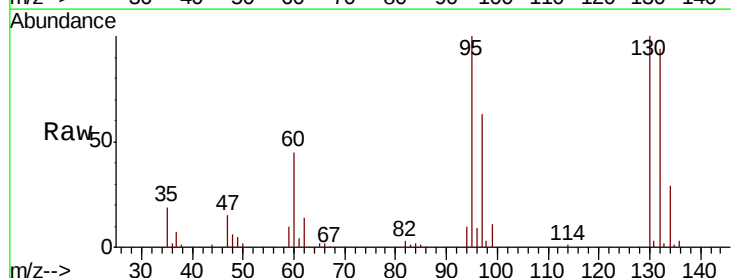
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



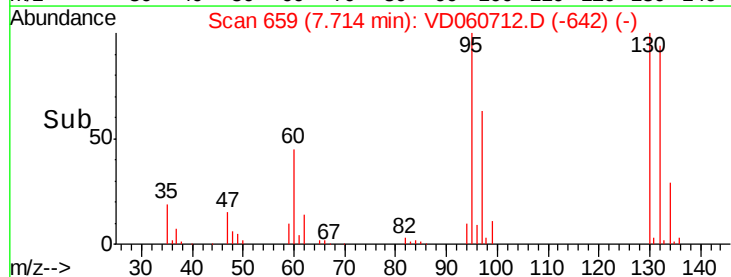
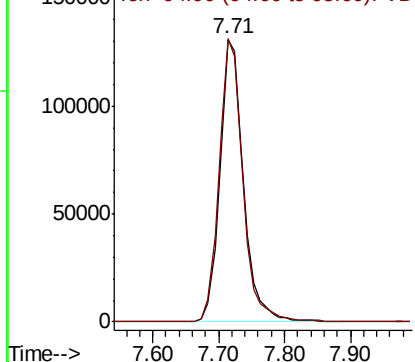
#44

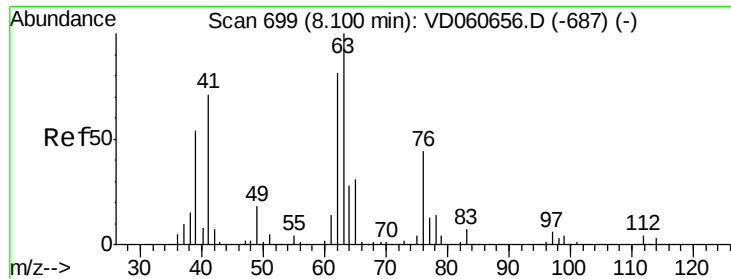
Trichloroethene
 Concen: 19.915 ug/l
 RT: 7.71 min Scan# 659
 Delta R.T. -0.03 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	193.6



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





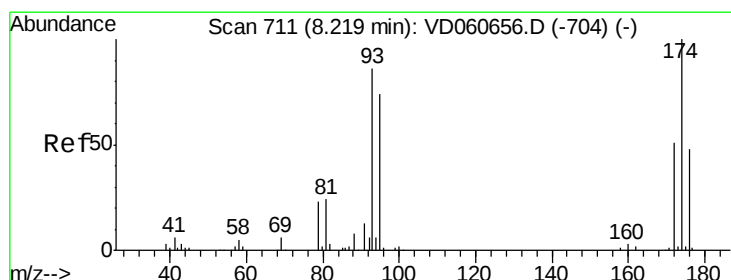
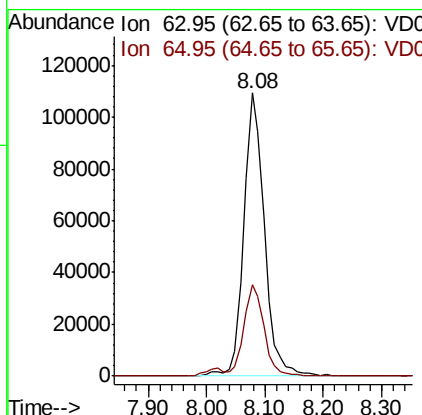
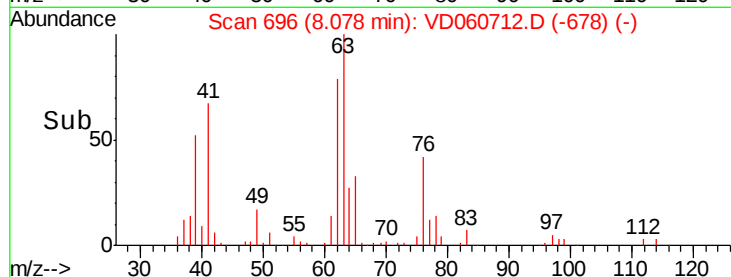
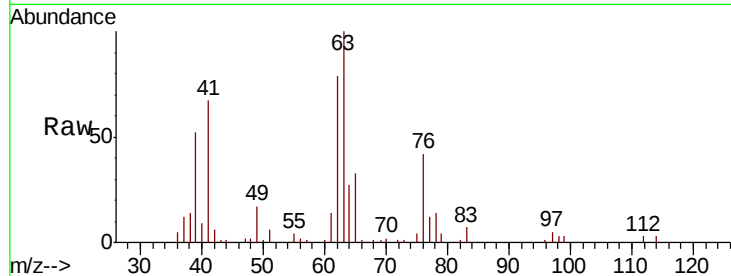
#45
 1,2-Dichloropropane
 Concen: 19.852 ug/l
 RT: 8.08 min Scan# 696
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 63 Resp: 269730
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.6

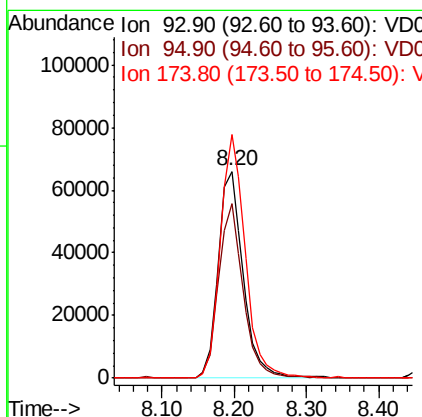
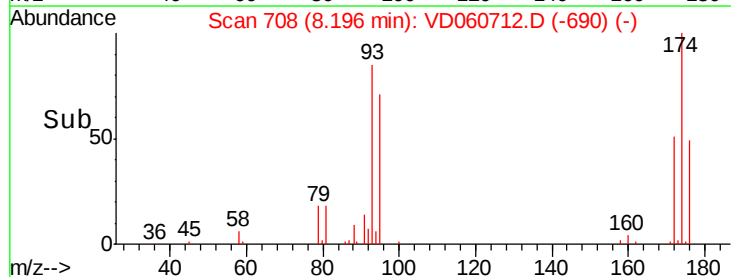
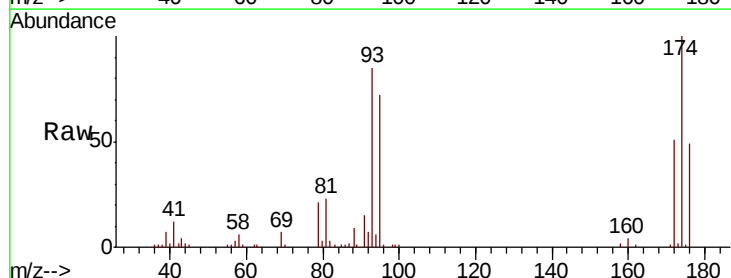
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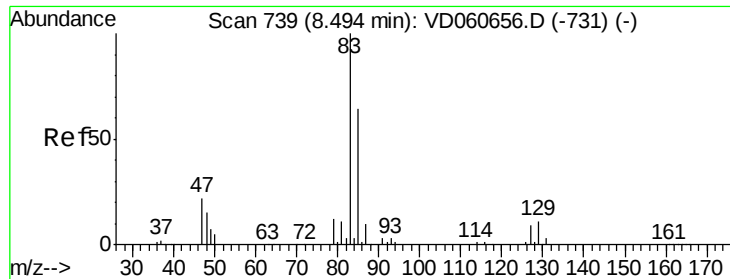
apatel
 12/27/2018 10:48:02 AM



#46
 Dibromomethane
 Concen: 20.228 ug/l
 RT: 8.20 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion: 93 Resp: 156863
 Ion Ratio Lower Upper
 93 100
 95 84.2 68.8 103.2
 174 117.8 93.0 139.4





#47

Bromodichloromethane

Concen: 19.637 ug/l

RT: 8.47 min Scan# 736

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

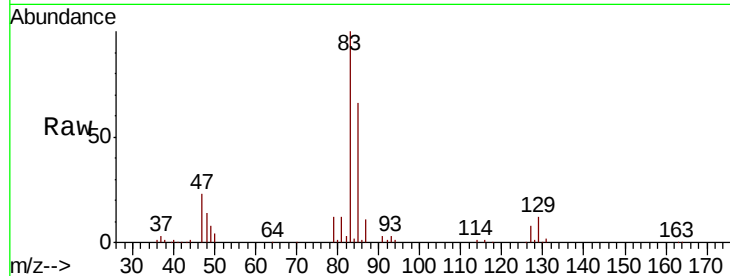
ClientSampleId :

VD1226SBSD01

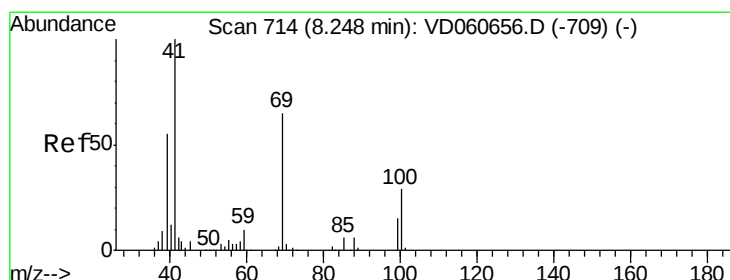
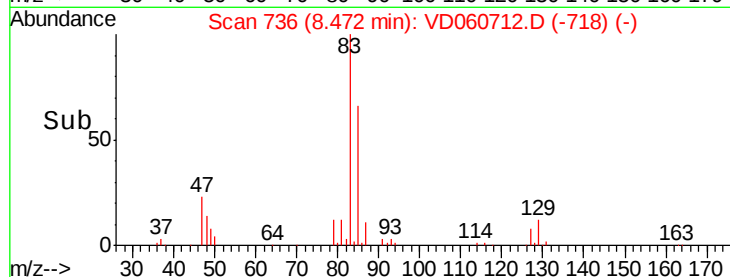
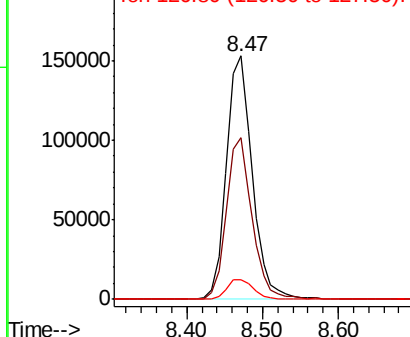
Tot Ion:	83	Resp:	360682
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.1	76.7
127	8.1	7.0	10.6

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



#48

Methyl methacrylate

Concen: 20.120 ug/l

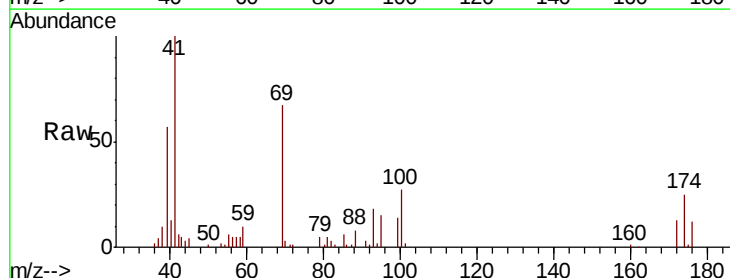
RT: 8.23 min Scan# 711

Delta R.T. -0.02 min

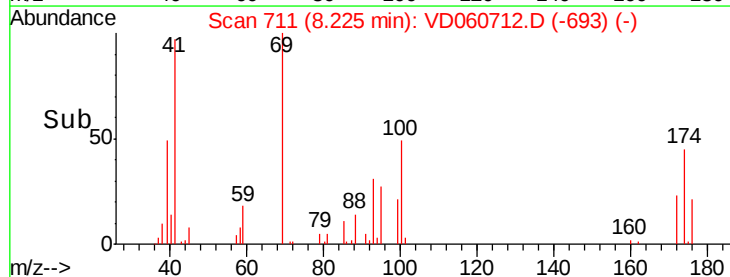
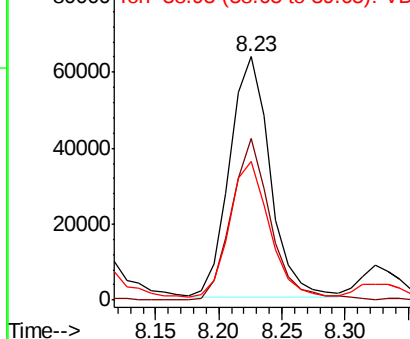
Lab File: VD060712.D

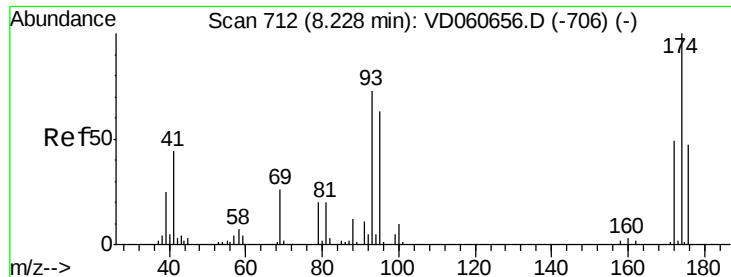
Acq: 26 Dec 2018 12:11

Tgt Ion:	41	Resp:	140674
Ion Ratio	Lower	Upper	
41	100		
69	66.6	51.2	76.8
39	57.0	44.6	67.0



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





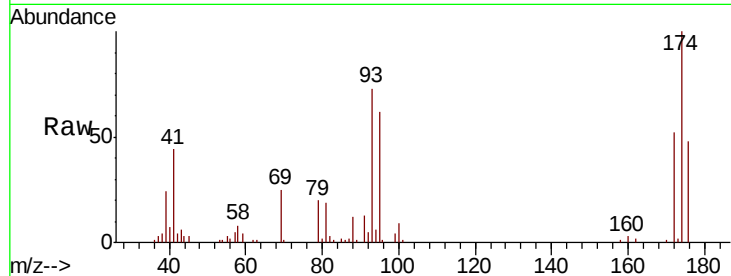
#49
1,4-Dioxane
Concen: 413.095 ug/l
RT: 8.21 min Scan# 709
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26855		
43	49.6	31.5	47.3#	
58	64.4	50.6	76.0	

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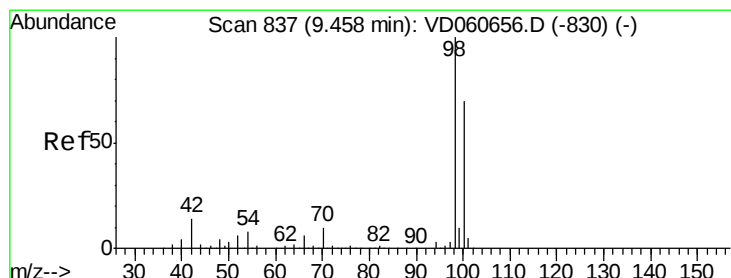
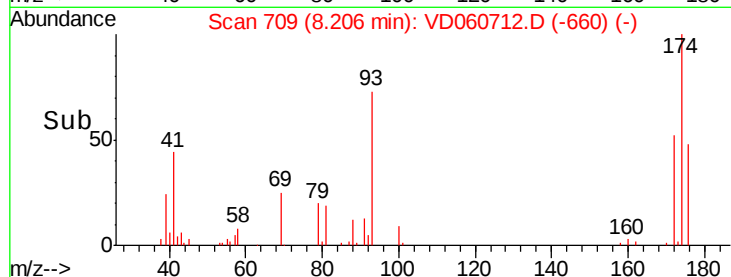
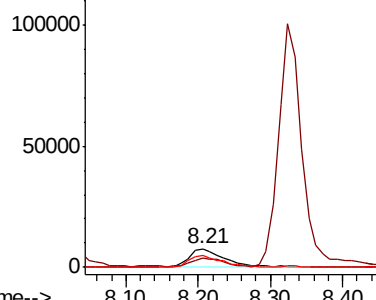


Abundance

Ion 88.00 (87.70 to 88.70): VDC

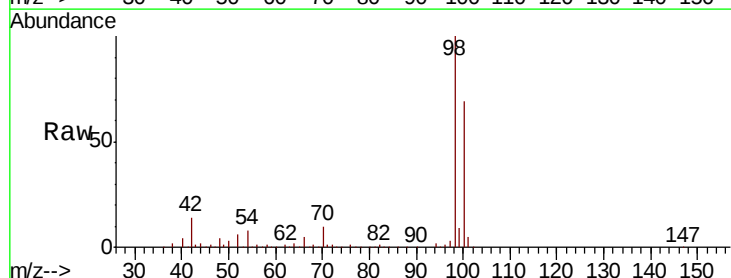
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 413.095 ug/l
RT: 9.44 min Scan# 834
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

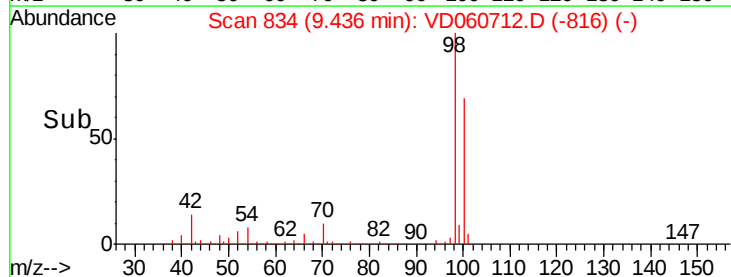
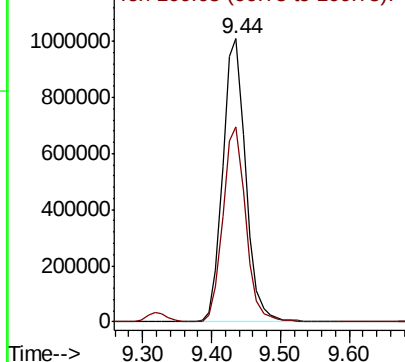
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2323468		
100	68.9	55.8	83.8	

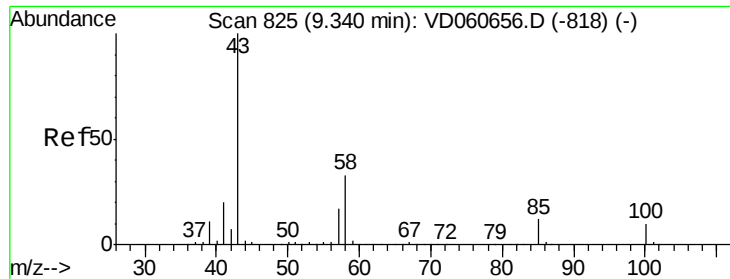


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 101.804 ug/l

RT: 9.32 min Scan# 822

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 718012

Ion Ratio Lower Upper

43 100

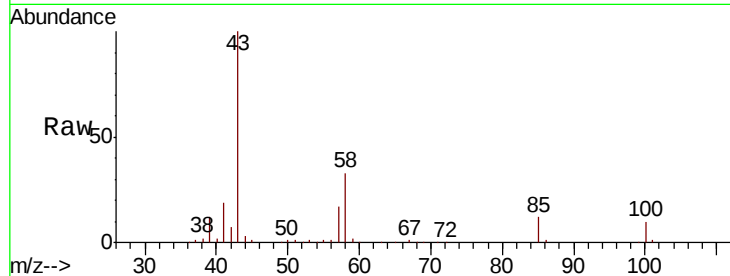
58 32.6 26.3 39.5

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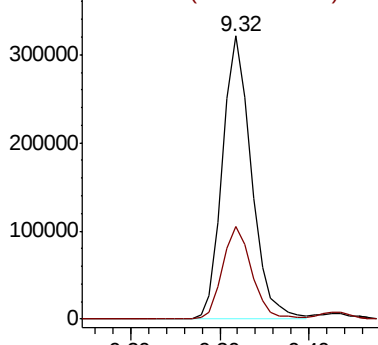
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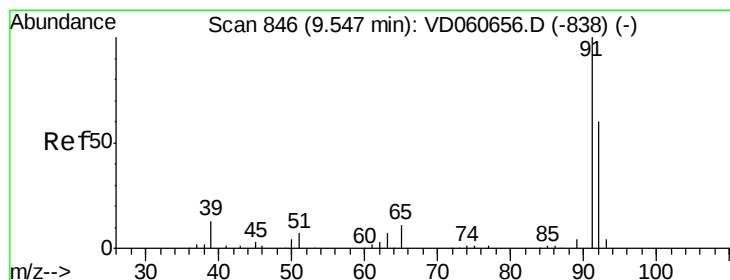
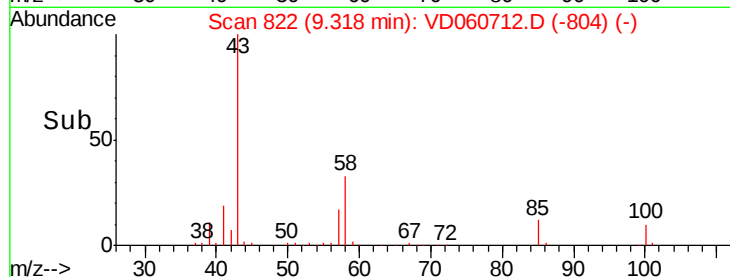


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 19.596 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.02 min

Lab File: VD060712.D

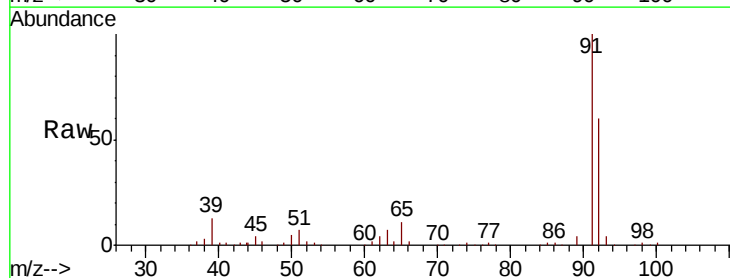
Acq: 26 Dec 2018 12:11

Tgt Ion: 92 Resp: 680630

Ion Ratio Lower Upper

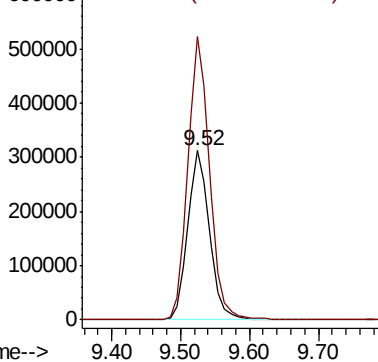
92 100

91 167.6 132.6 199.0

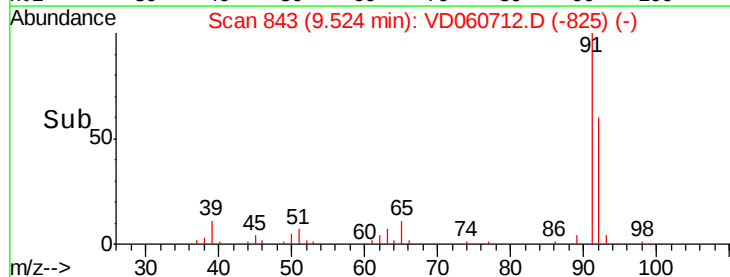


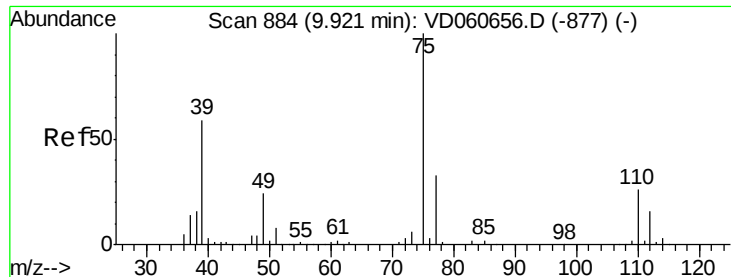
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.689 ug/l

RT: 9.90 min Scan# 881

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 75 Resp: 301704

Ion Ratio Lower Upper

75 100

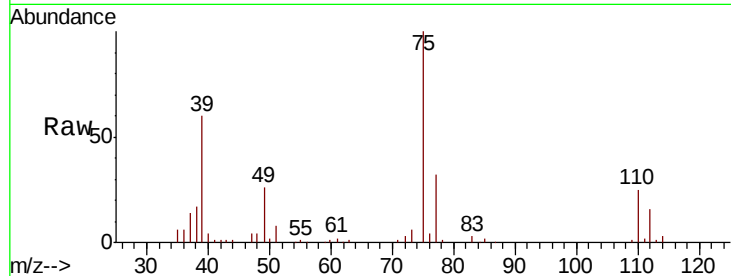
77 31.8 26.0 39.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

150000

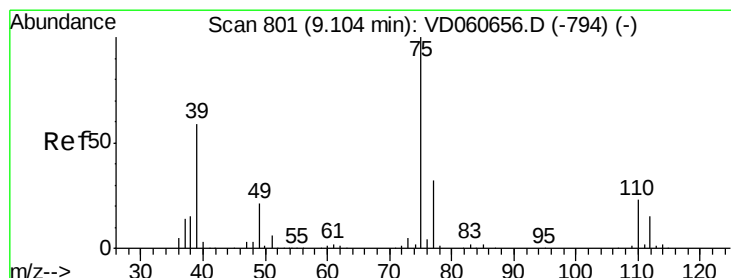
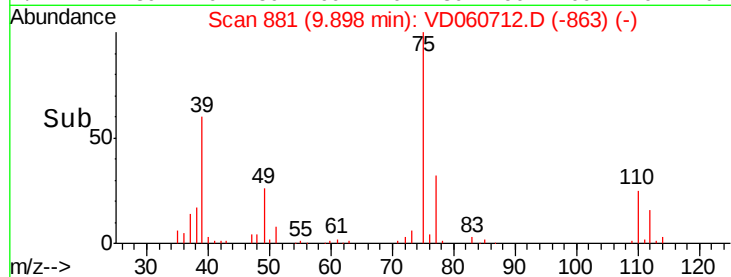
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.828 ug/l

RT: 9.08 min Scan# 798

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

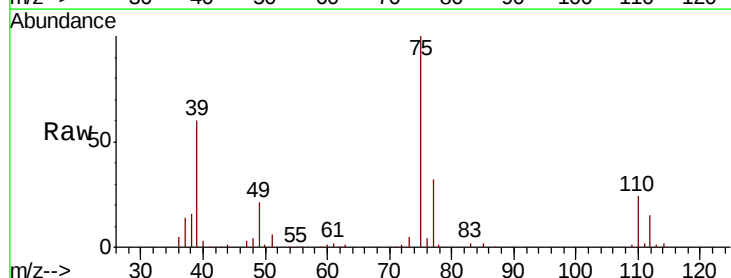
Tgt Ion: 75 Resp: 397686

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

39 59.9 47.0 70.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

100000

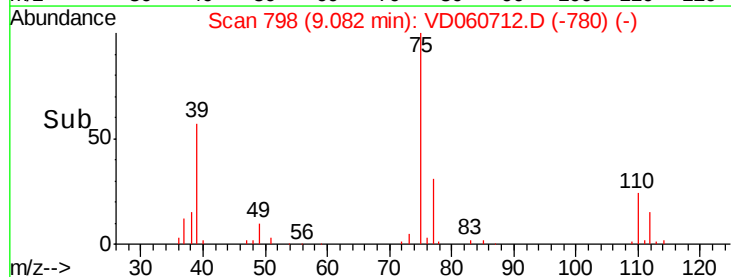
50000

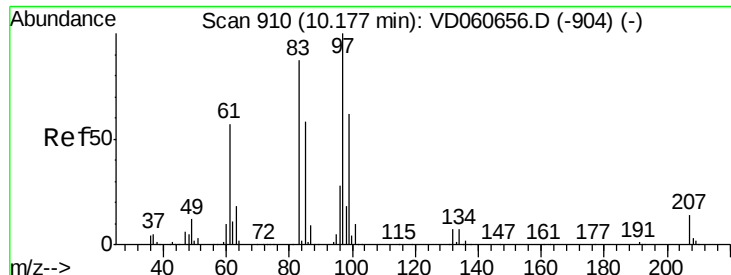
0

9.08

8.90 9.00 9.10 9.20 9.30

Time-->





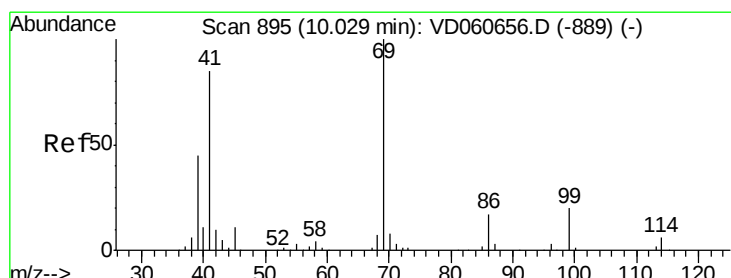
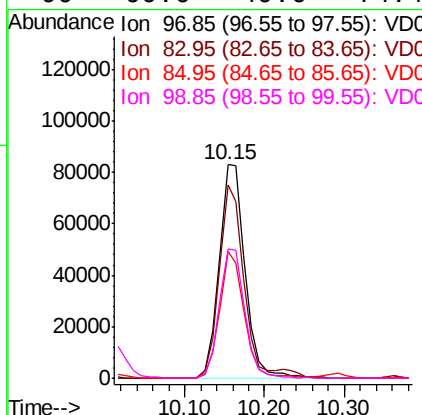
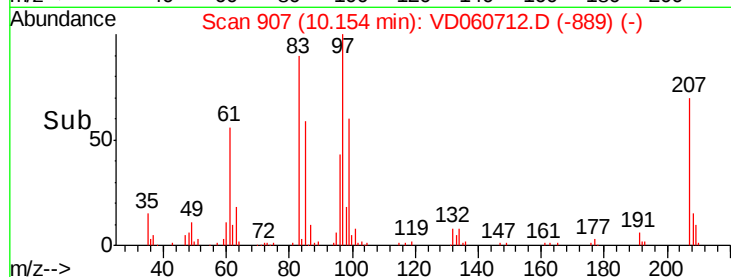
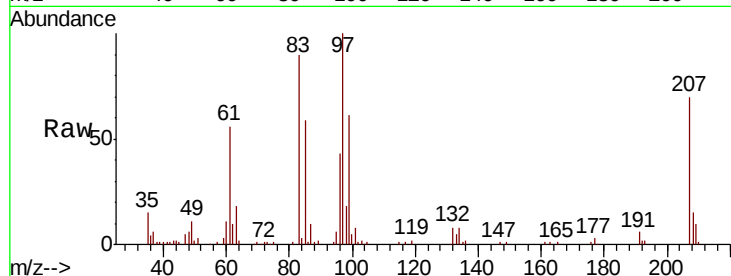
#55
 1,1,2-Trichloroethane
 Concen: 20.287 ug/l
 RT: 10.15 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		189587		
83	90.3	70.0	105.0		
85	59.3	46.6	70.0		
99	60.6	49.6	74.4		

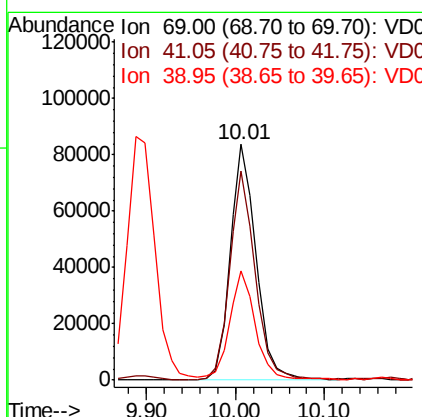
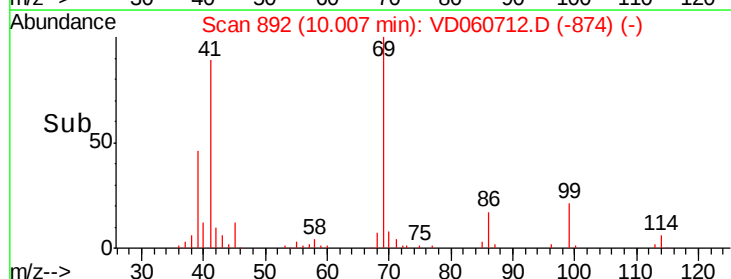
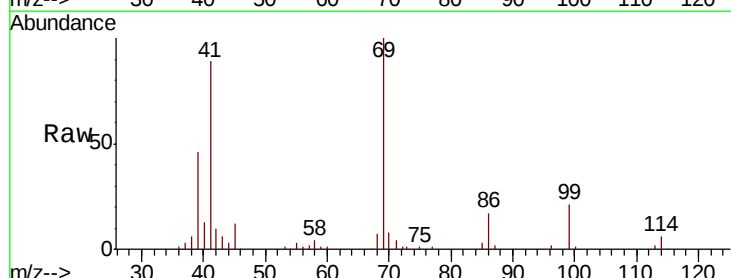
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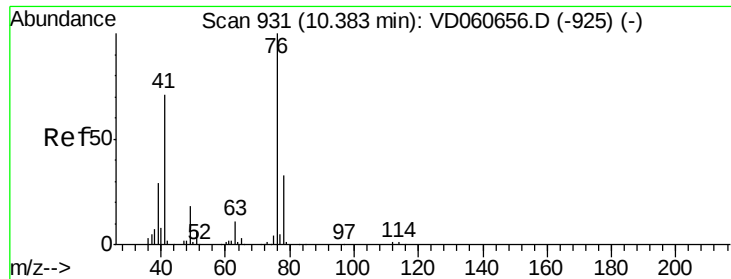
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#56
 Ethyl methacrylate
 Concen: 19.522 ug/l
 RT: 10.01 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		169451		
41	88.5	68.3	102.5		
39	46.1	37.2	55.8		





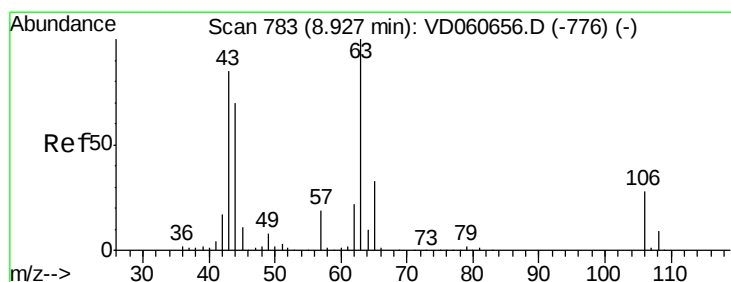
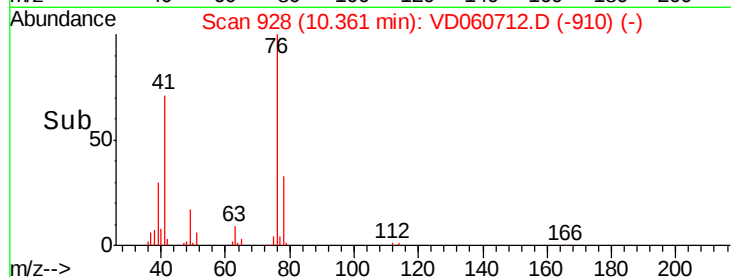
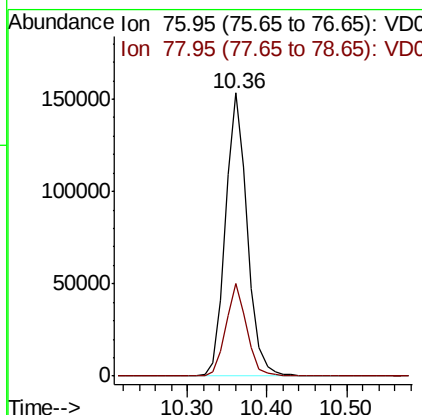
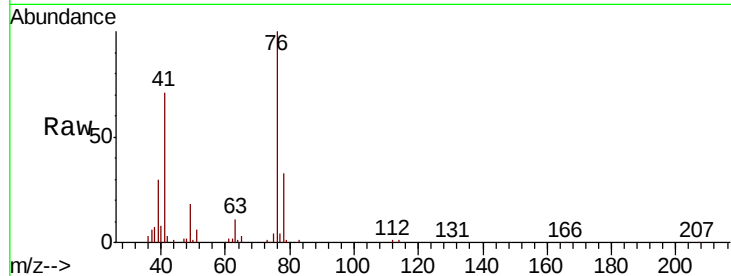
#57
 1,3-Dichloropropane
 Concen: 19.872 ug/l
 RT: 10.36 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 76 Resp: 294360
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

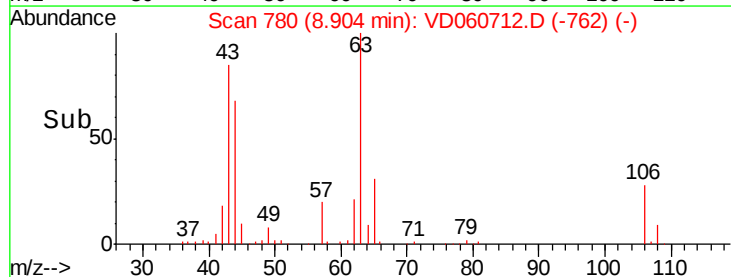
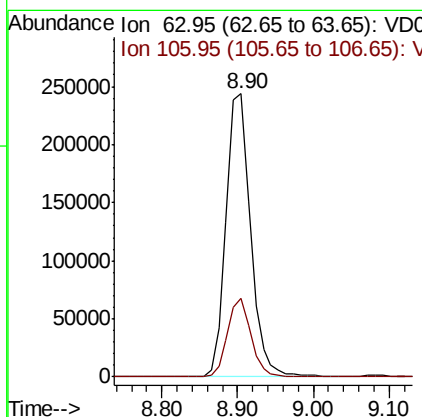
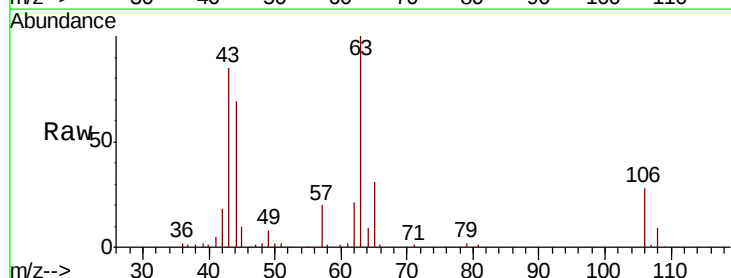
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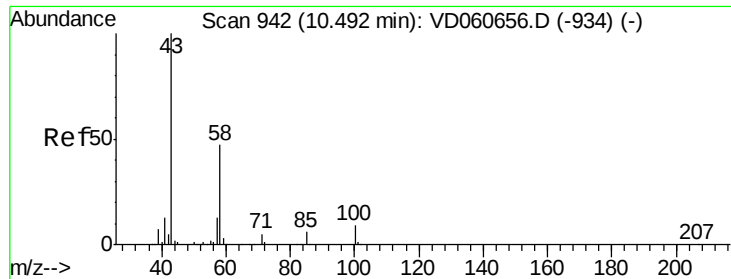
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.196 ug/l
 RT: 8.90 min Scan# 780
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion: 63 Resp: 548253
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.4 33.6





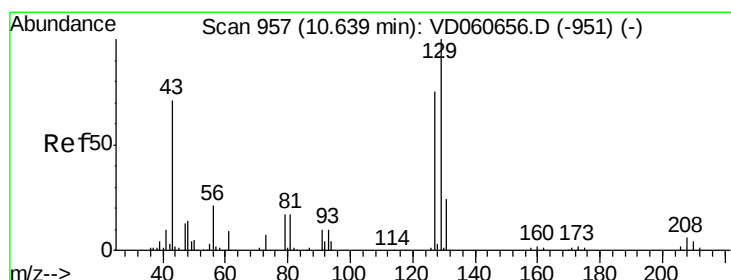
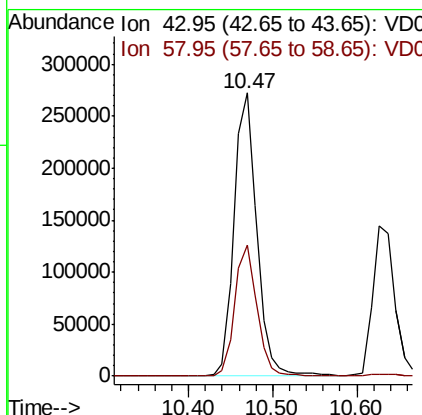
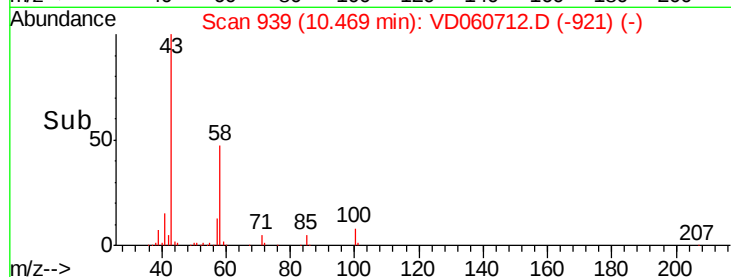
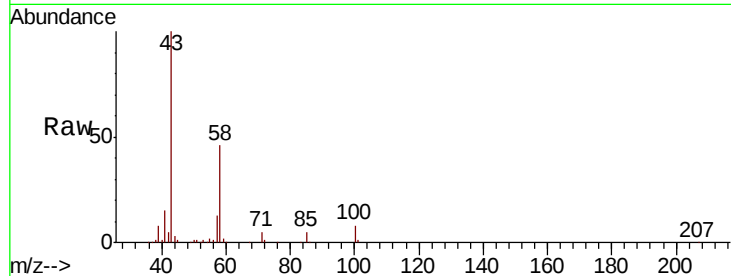
#59
2-Hexanone
Concen: 103.913 ug/l
RT: 10.47 min Scan# 939
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.2	23.5	70.5

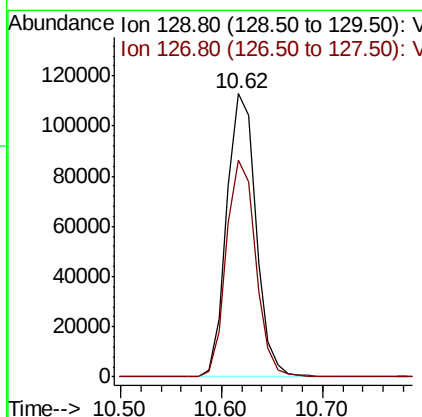
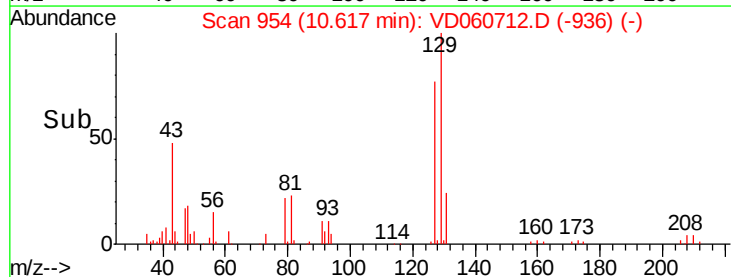
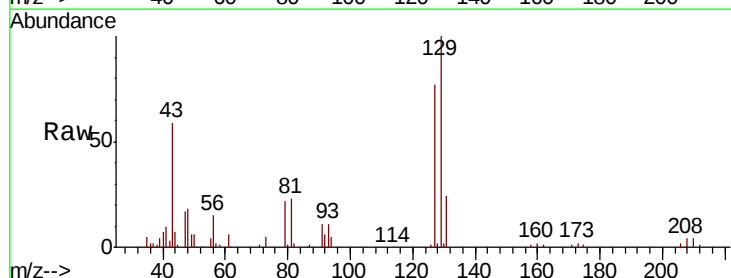
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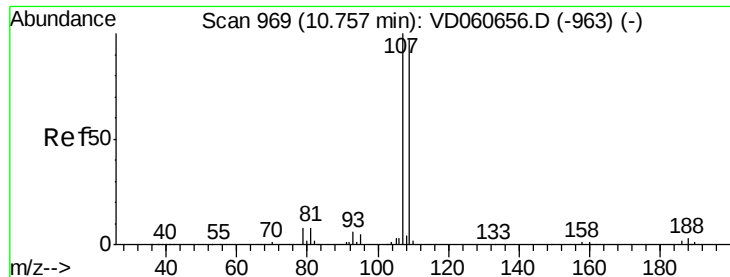
apatel
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#60
Dibromochloromethane
Concen: 19.147 ug/l
RT: 10.62 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	37.6	112.9





#61

1,2-Dibromoethane

Concen: 20.195 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:107 Resp: 195754

Ion Ratio Lower Upper

107 100

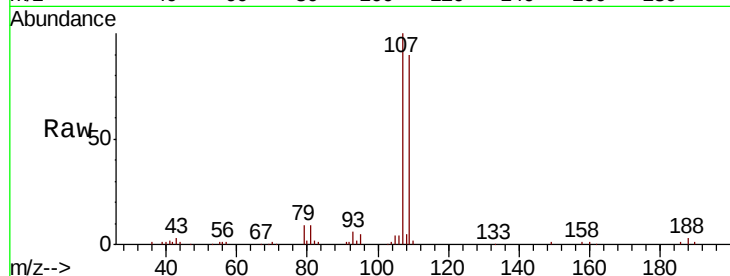
109 90.4 78.0 117.0

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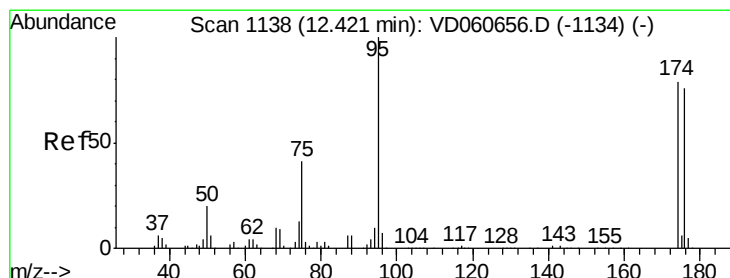
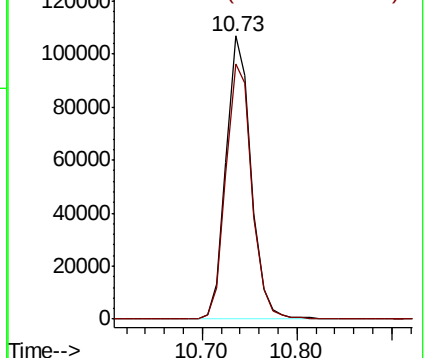
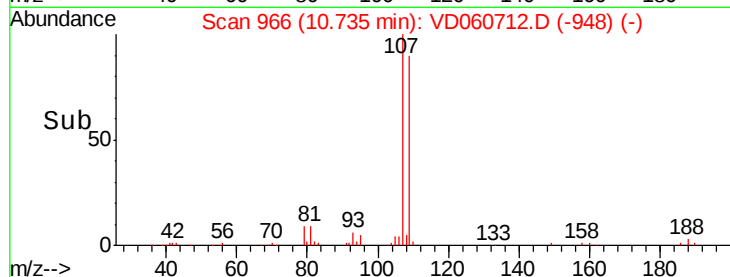
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.73



#62

4-Bromofluorobenzene

Concen: 20.195 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

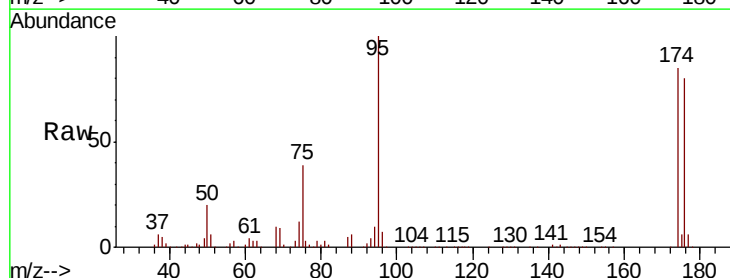
Tgt Ion: 95 Resp: 805617

Ion Ratio Lower Upper

95 100

174 84.6 0.0 158.2

176 80.2 0.0 152.4

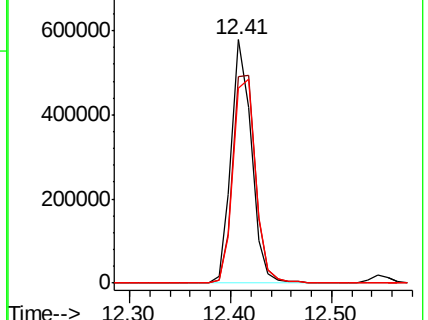
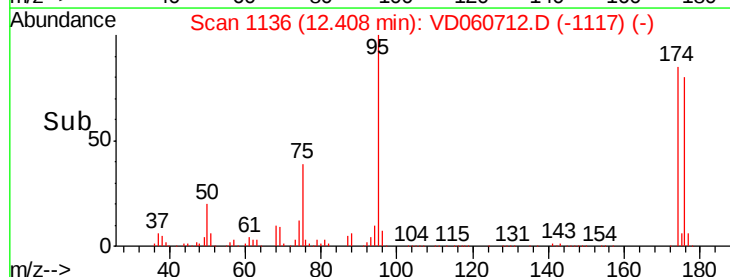


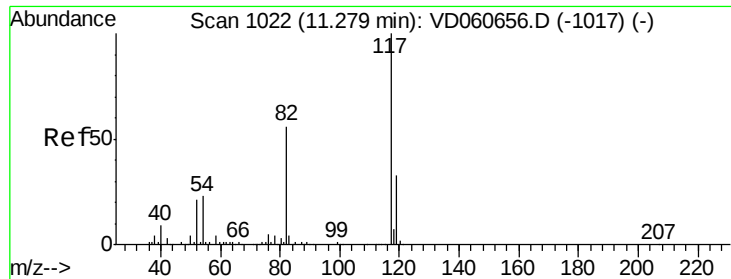
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.41





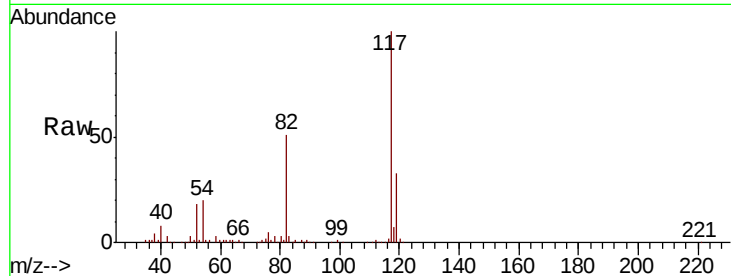
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	44.5	66.7
119	32.5	26.3	39.5

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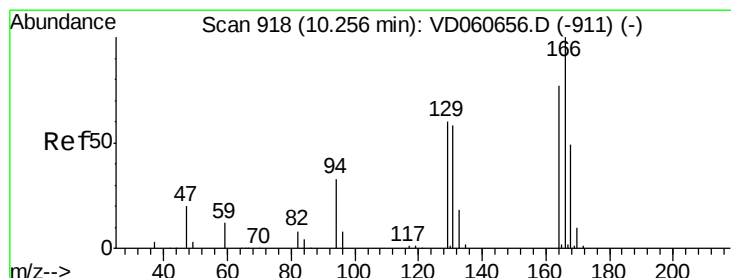
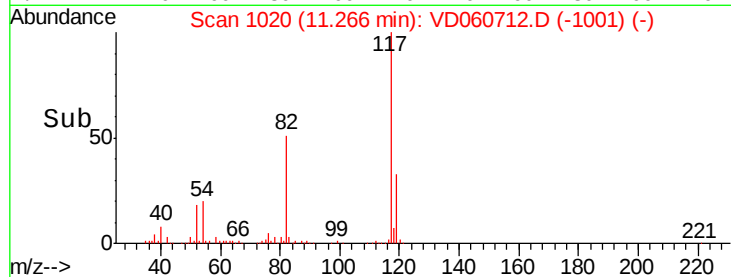
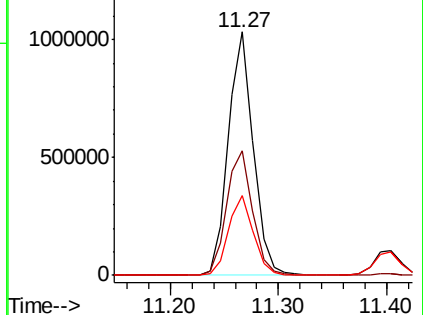


Abundance

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: 20.153 ug/l
RT: 10.23 min Scan# 915
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.4	156.6
129	77.1	62.7	94.1
131	79.2	61.1	91.7

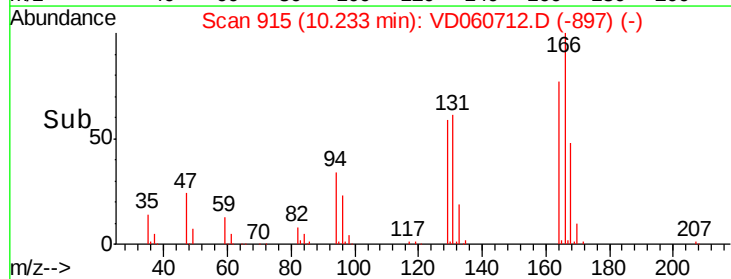
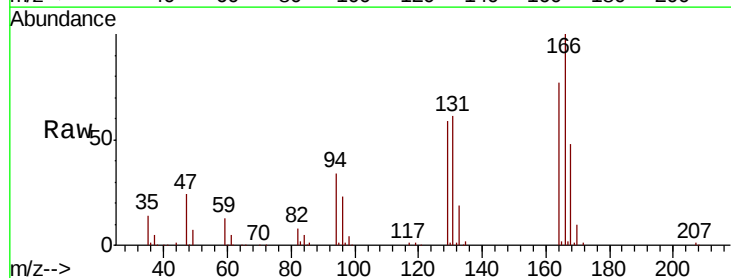
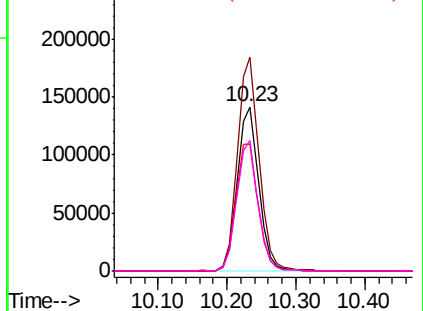
Abundance

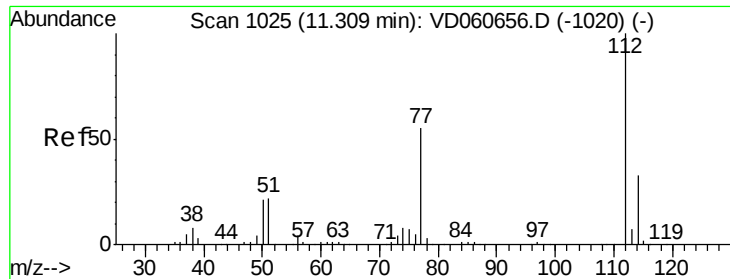
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





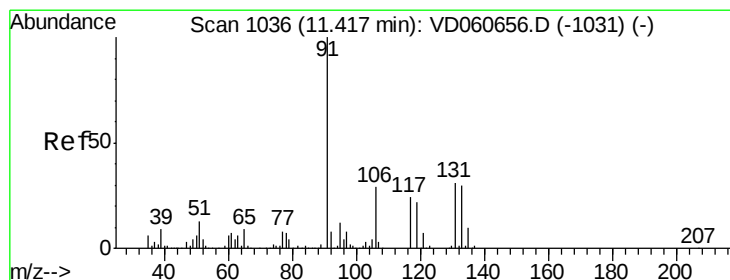
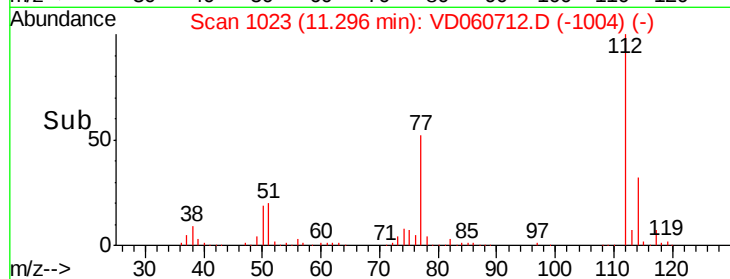
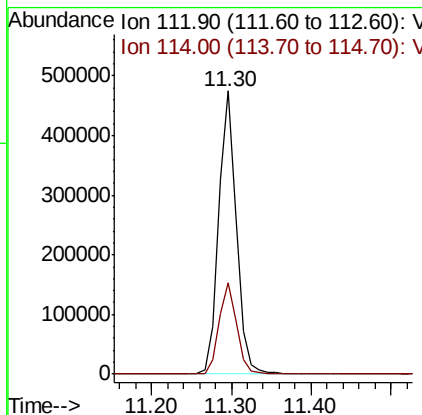
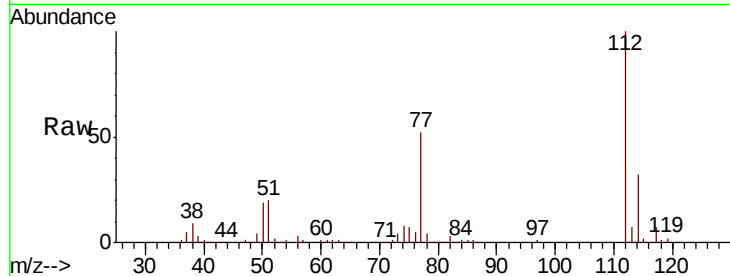
#65
Chlorobenzene
Concen: 20.243 ug/l
RT: 11.30 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion:112 Resp: 745400
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1

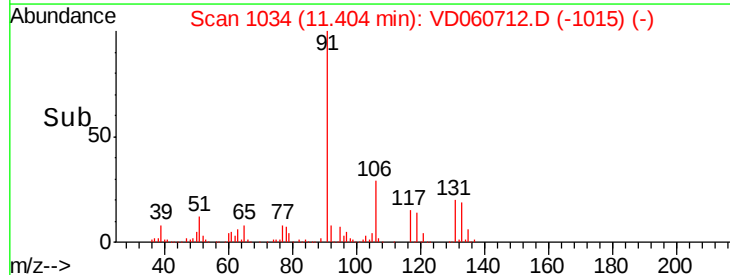
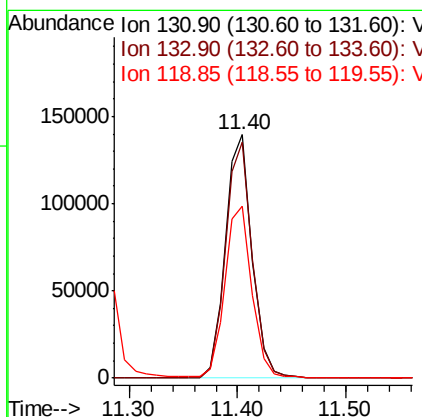
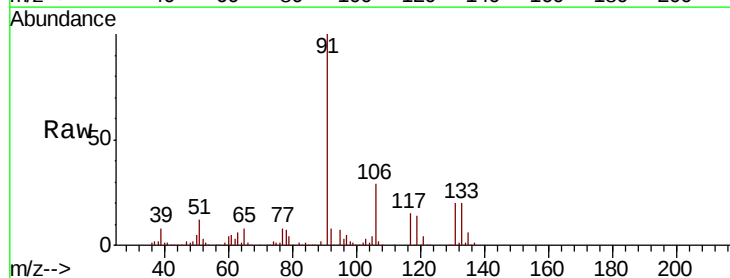
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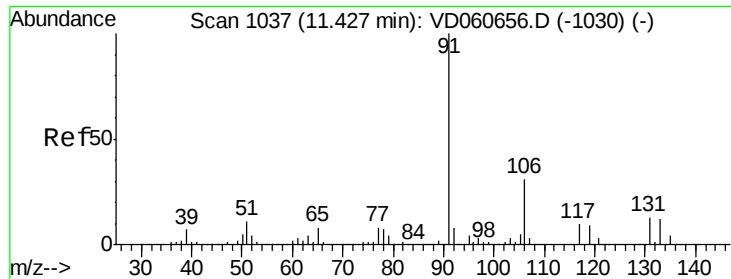
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.137 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion:131 Resp: 238417
Ion Ratio Lower Upper
131 100
133 96.9 49.1 147.3
119 70.6 36.6 109.8





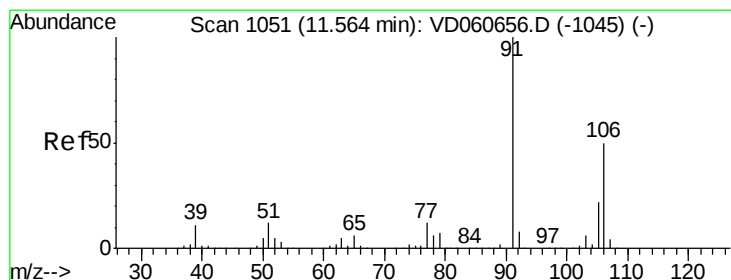
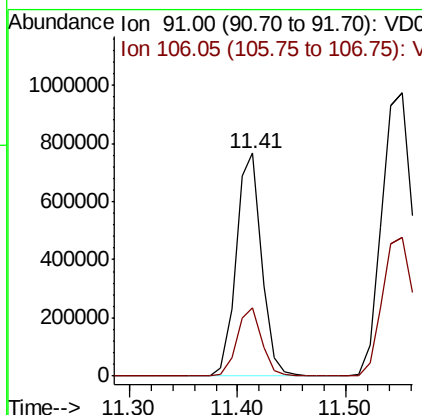
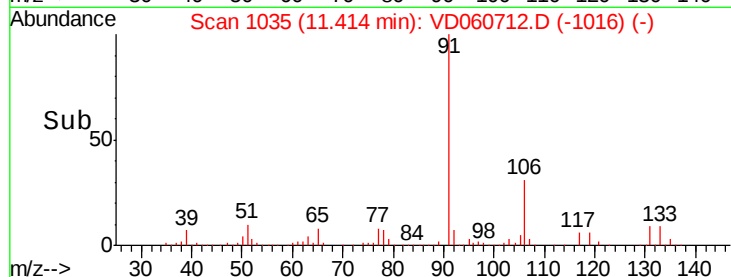
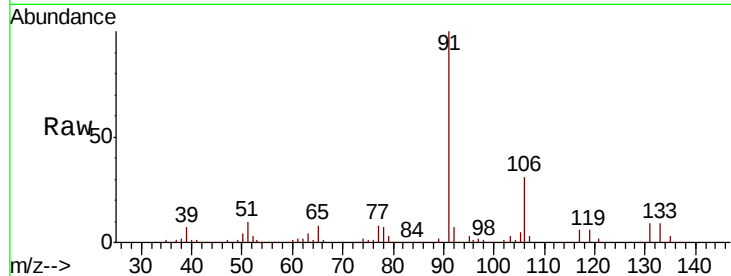
#67
Ethyl Benzene
Concen: 19.835 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleID :
VD1226SBS01

Tot Ion: 91 Resp: 1250880
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

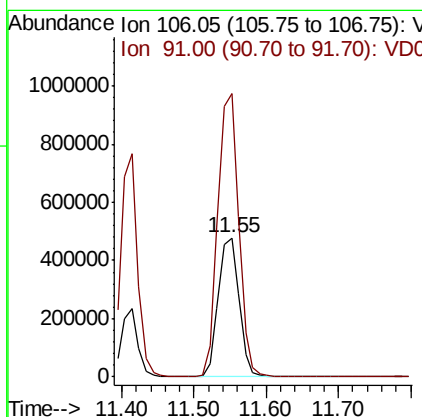
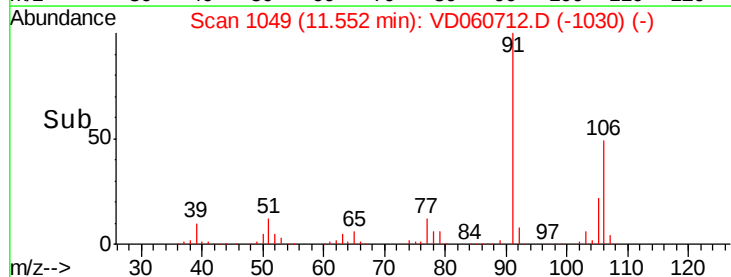
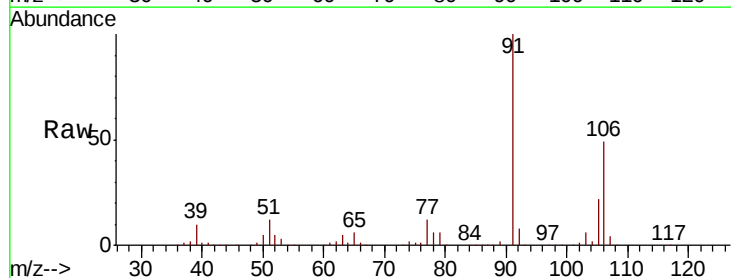
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#68
m/p-Xylenes
Concen: 41.443 ug/l
RT: 11.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion: 106 Resp: 955123
Ion Ratio Lower Upper
106 100
91 203.5 158.9 238.3





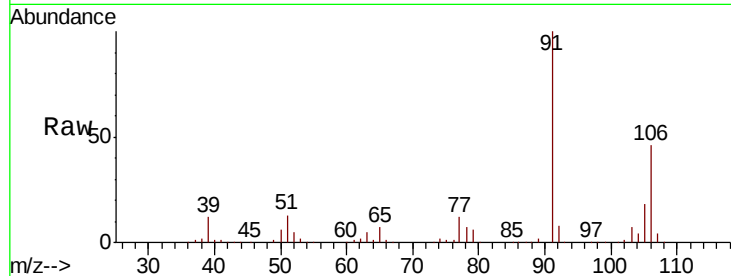
#69
o-Xylene
Concen: 20.297 ug/l
RT: 11.92 min Scan# 1086
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleID :
VD1226SBS01

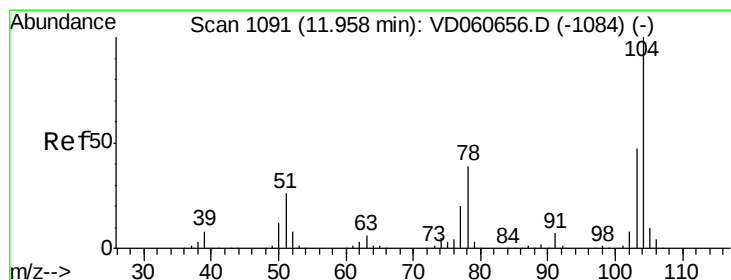
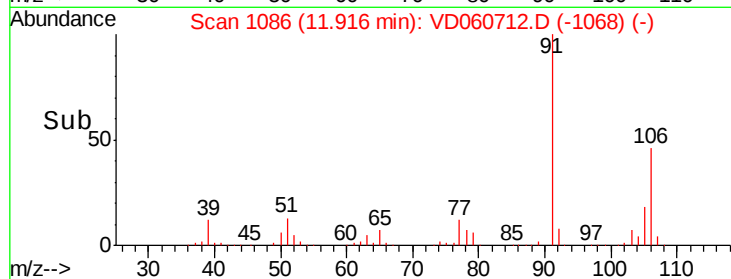
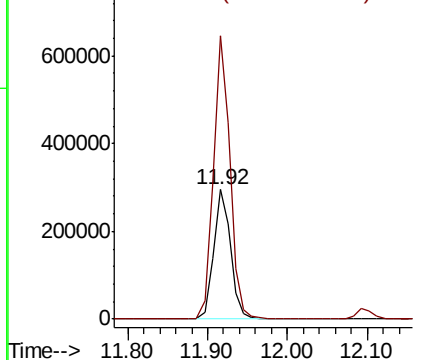
Tot Ion:106 Resp: 443790
Ion Ratio Lower Upper
106 100
91 218.5 101.5 304.5

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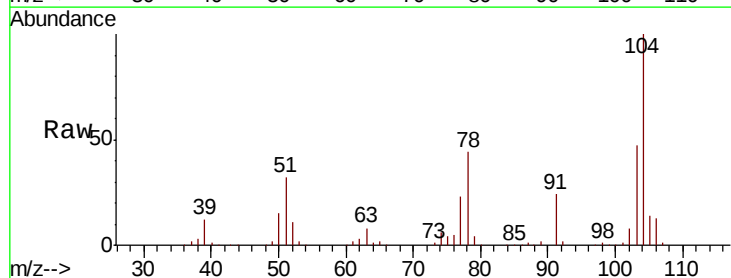


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

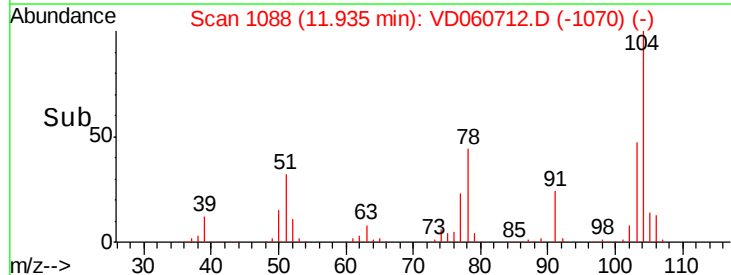
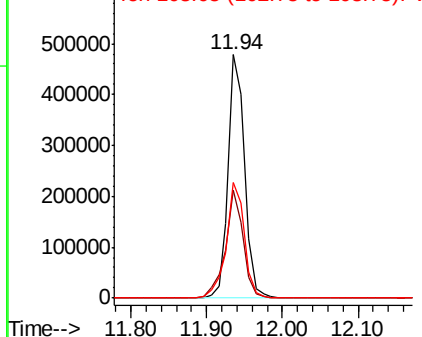


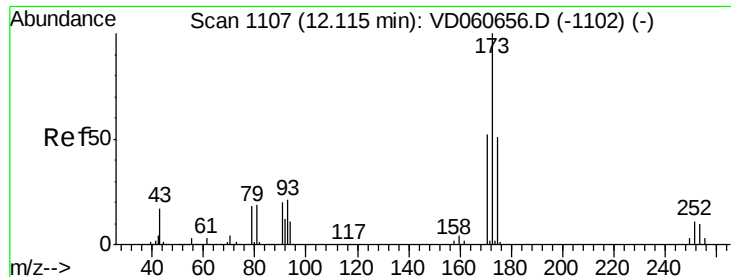
#70
Styrene
Concen: 20.253 ug/l
RT: 11.94 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion:104 Resp: 713232
Ion Ratio Lower Upper
104 100
78 44.4 31.4 47.2
103 47.5 37.5 56.3



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





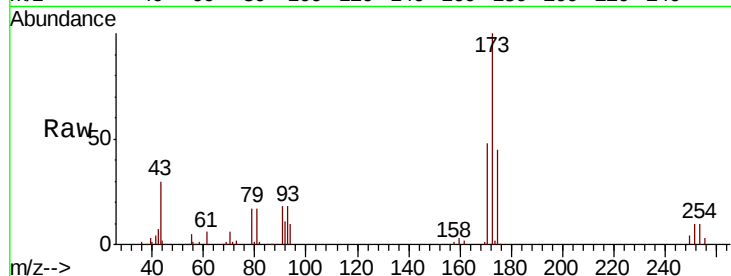
#71
Bromoform
Concen: 20.052 ug/l
RT: 12.10 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
173	100	156715		
175	45.3	25.5	76.5	
254	10.3	7.9	11.9	

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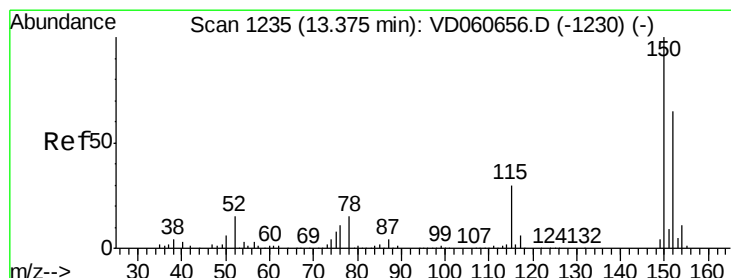
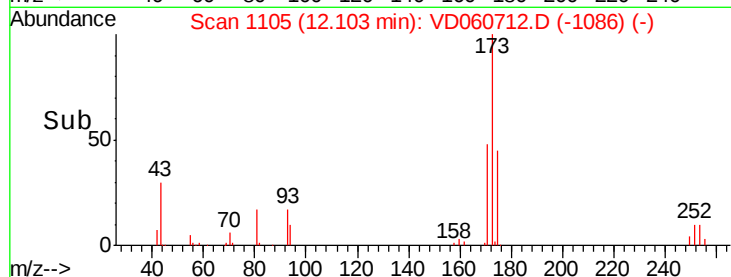
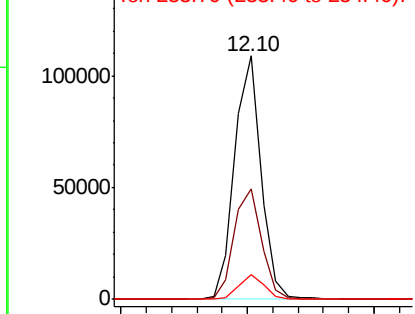


Abundance

Ion 172.80 (172.50 to 173.50): V

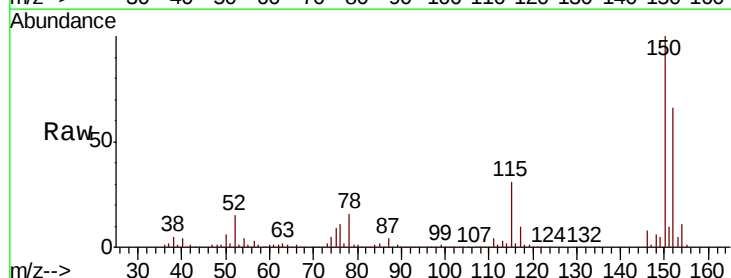
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	864313		
115	47.1	24.1	72.3	
150	152.2	0.0	315.0	

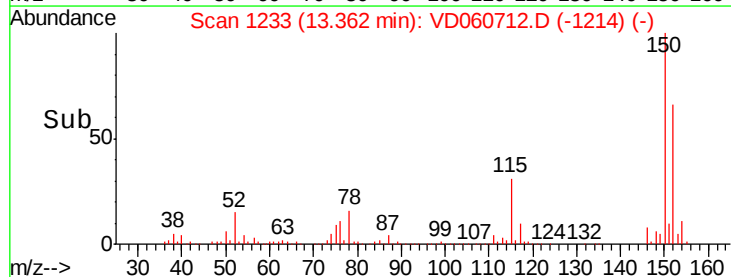
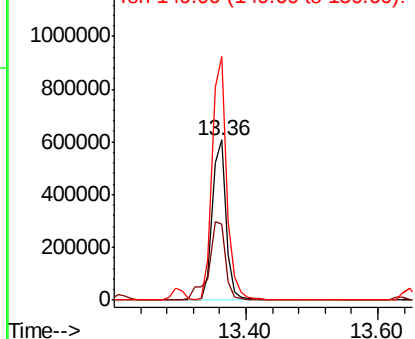


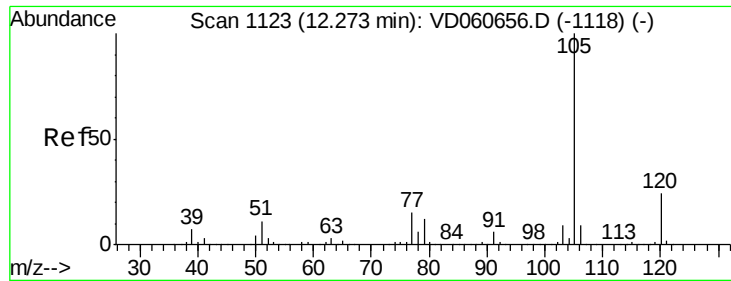
Abundance

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: 20.595 ug/l

RT: 12.26 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:105 Resp: 1267359

Ion Ratio Lower Upper

105 100

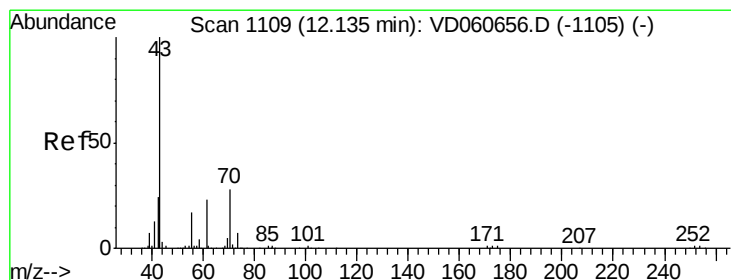
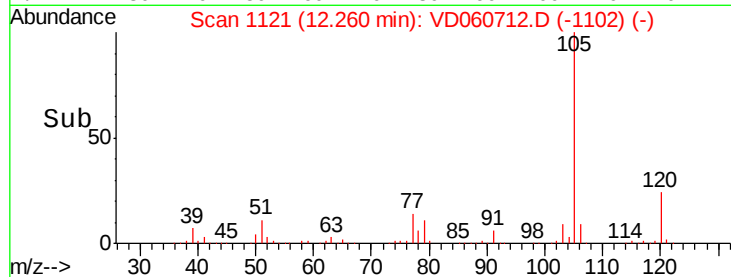
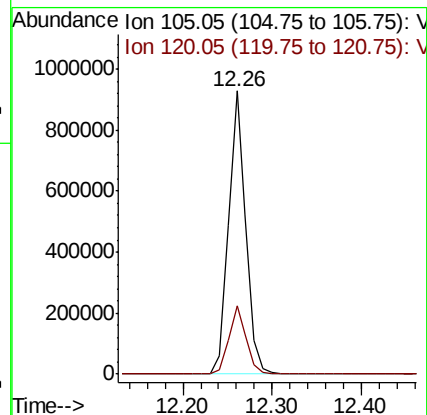
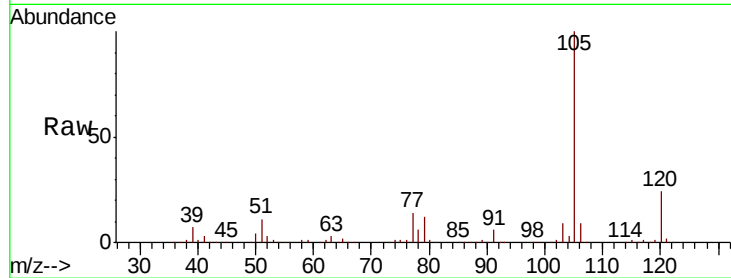
120 24.3 12.2 36.4

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#74

N-ethyl acetate

Concen: 20.797 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Tgt Ion: 43 Resp: 302055

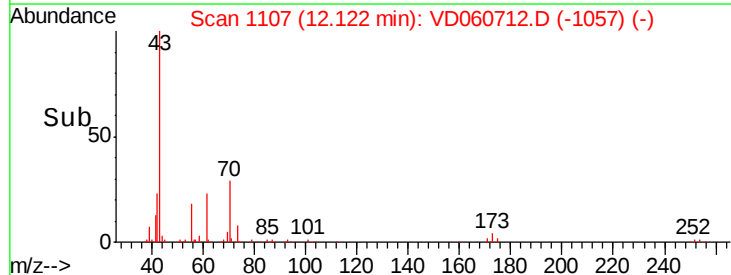
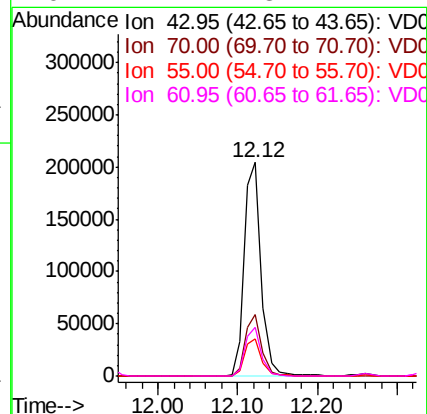
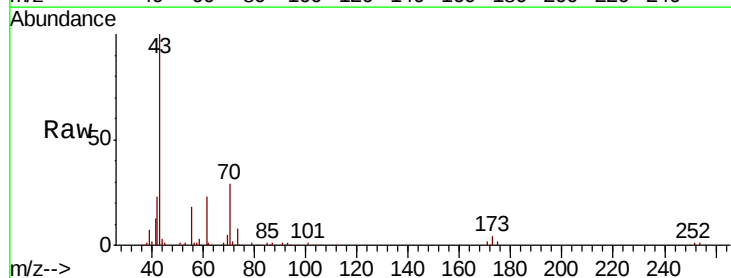
Ion Ratio Lower Upper

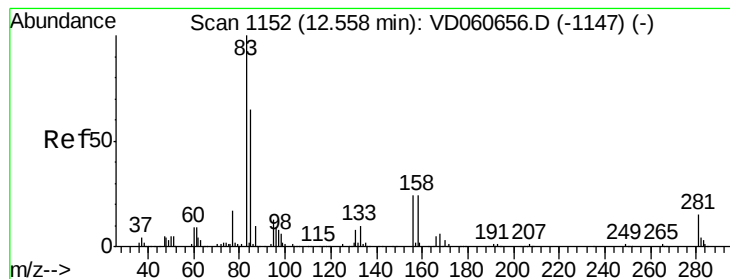
43 100

70 28.8 22.2 33.2

55 17.6 13.8 20.8

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.400 ug/l

RT: 12.55 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 83 Resp: 203480

Ion Ratio Lower Upper

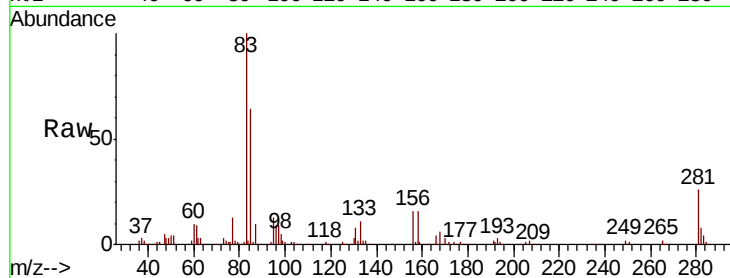
83 100

131 7.7 4.2 12.4

85 63.9 32.6 97.7

Manual Integrations
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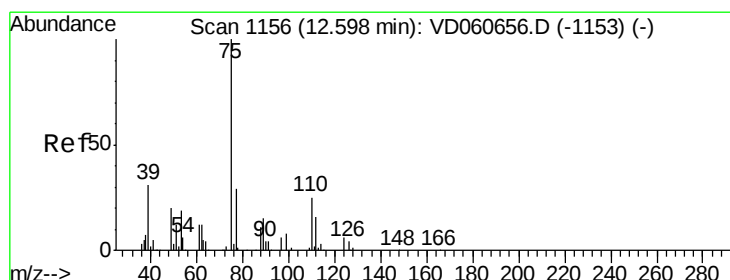
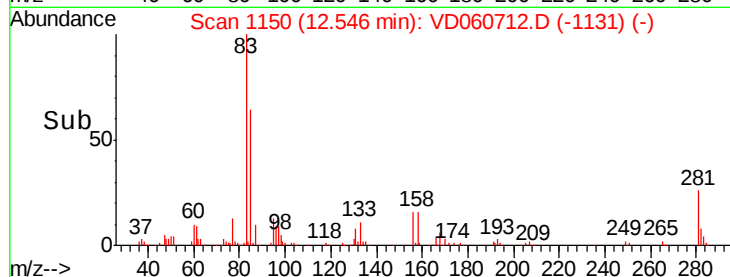
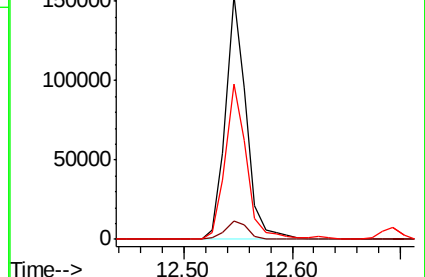
apatel
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.845 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VD060712.D

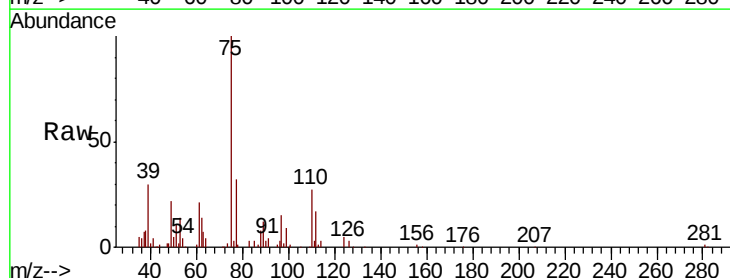
Acq: 26 Dec 2018 12:11

Tgt Ion: 75 Resp: 205118

Ion Ratio Lower Upper

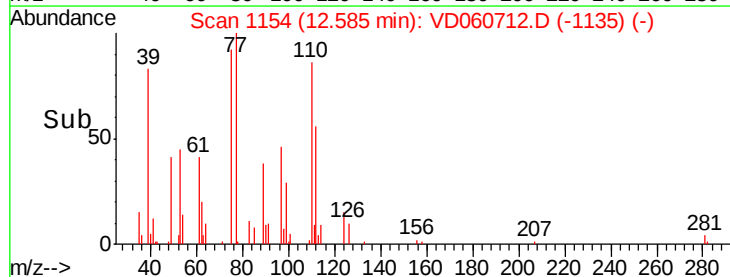
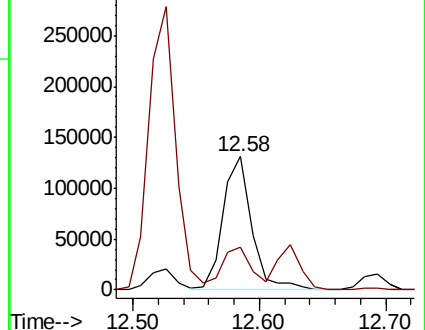
75 100

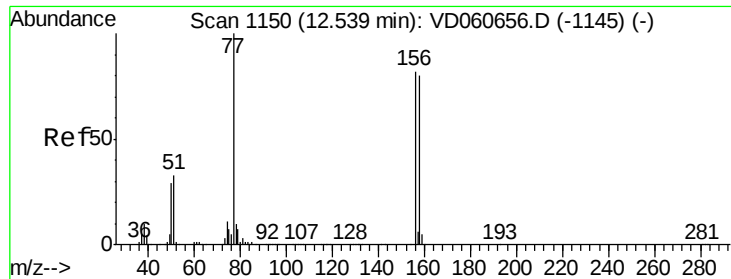
77 32.3 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





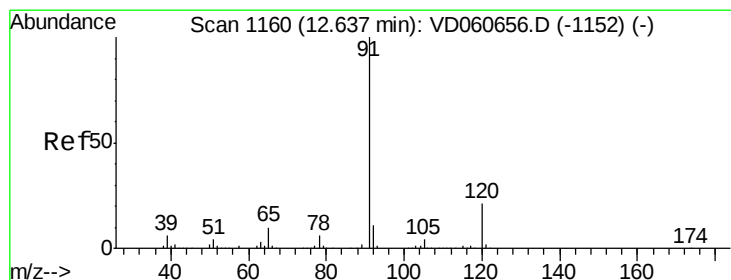
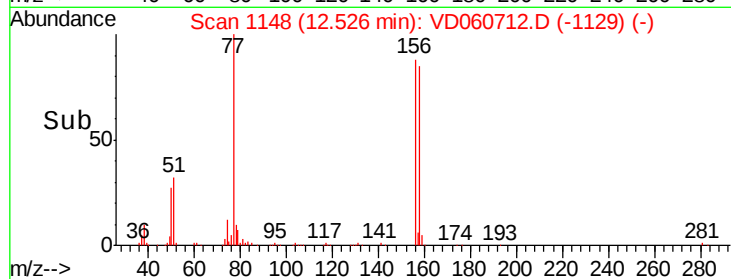
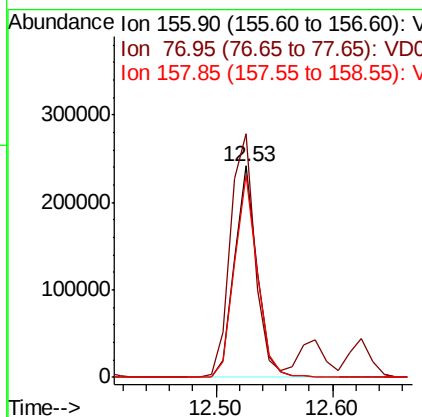
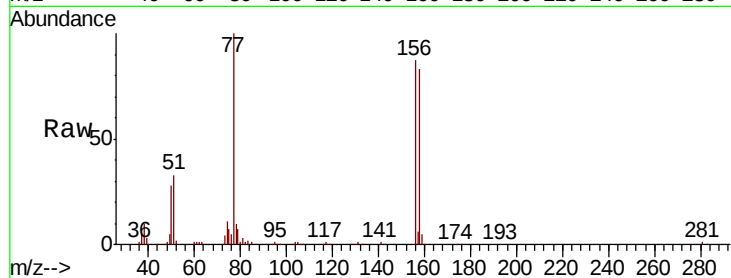
#77
Bromobenzene
Concen: 19.990 ug/l
RT: 12.53 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.3	61.3	183.9
158	96.2	48.9	146.6

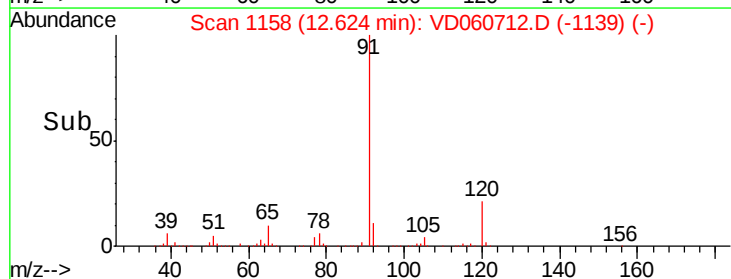
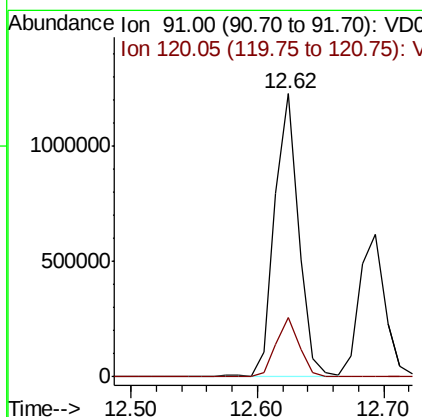
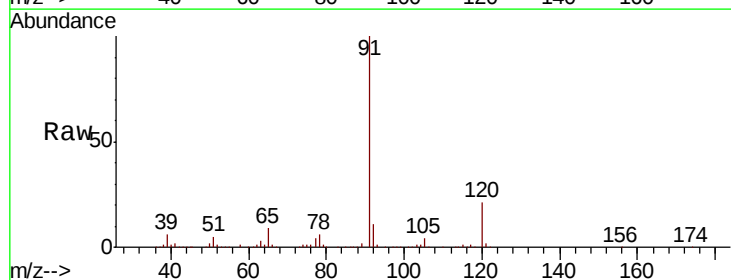
Manual Integrations
APPROVED

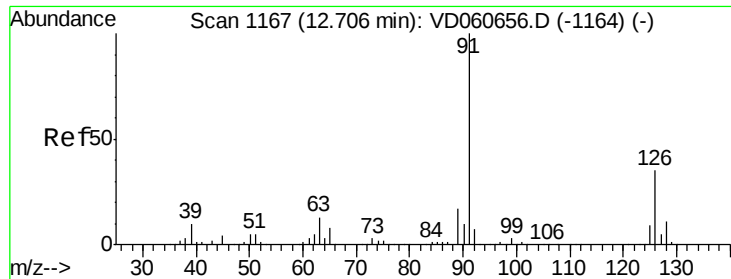
apatel
12/27/2018 10:48:02 AM



#78
n-propylbenzene
Concen: 20.752 ug/l
RT: 12.62 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.4	31.2





#79

2-Chlorotoluene

Concen: 20.863 ug/l

RT: 12.69 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 91 Resp: 879098

Ion Ratio Lower Upper

91 100

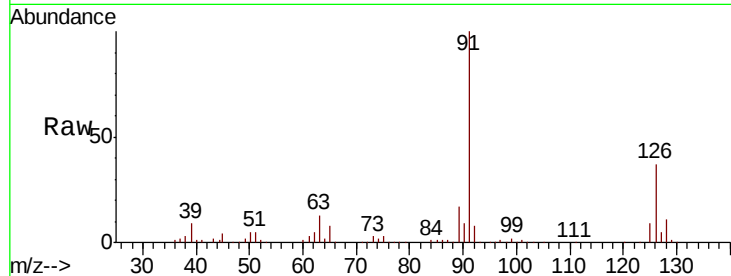
126 36.6 17.2 51.5

Manual Integrations

APPROVED

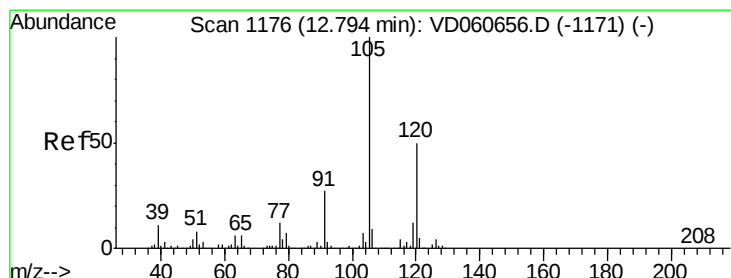
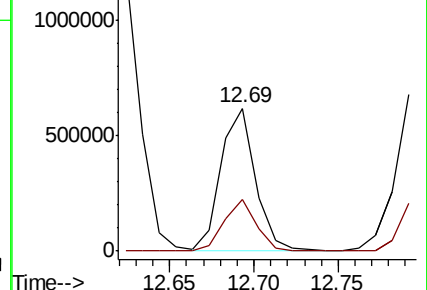
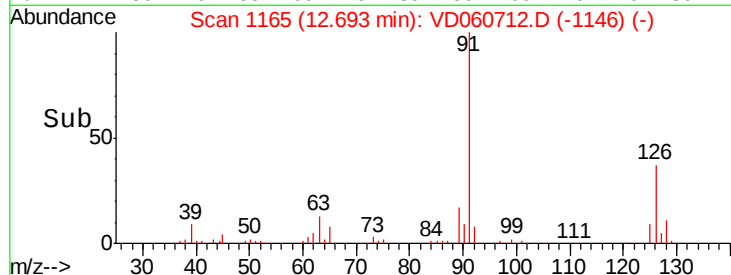
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VD060712.D (-1164) (-)

Ion 125.95 (125.65 to 126.65): VD060712.D (-1164) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.922 ug/l

RT: 12.78 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VD060712.D

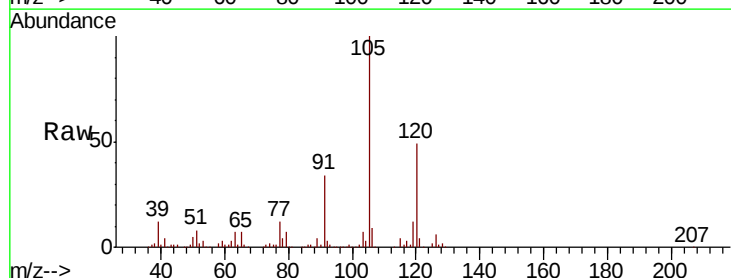
Acq: 26 Dec 2018 12:11

Tgt Ion: 105 Resp: 994179

Ion Ratio Lower Upper

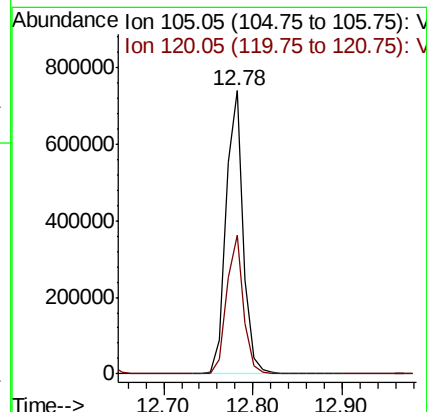
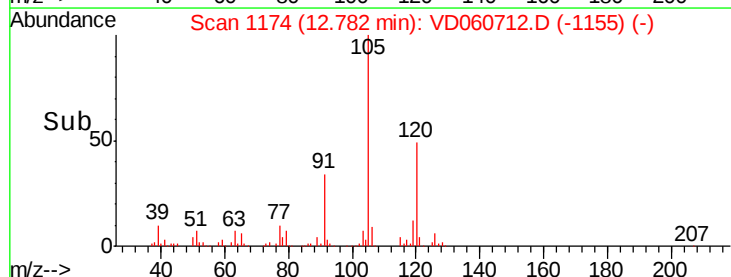
105 100

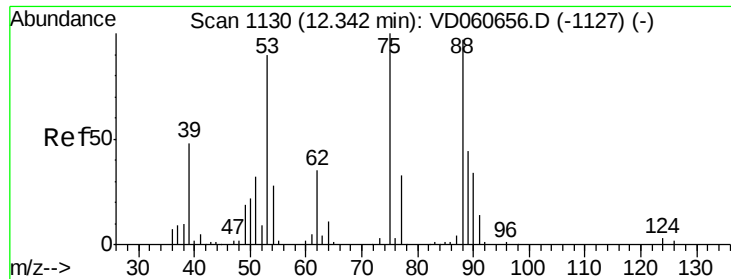
120 49.2 24.8 74.4



Abundance Ion 105.05 (104.75 to 105.75): VD060712.D (-1155) (-)

Ion 120.05 (119.75 to 120.75): VD060712.D (-1155) (-)





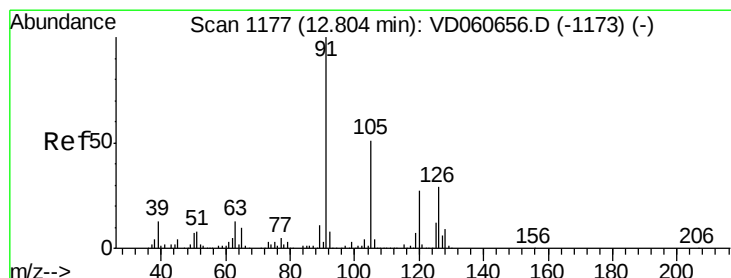
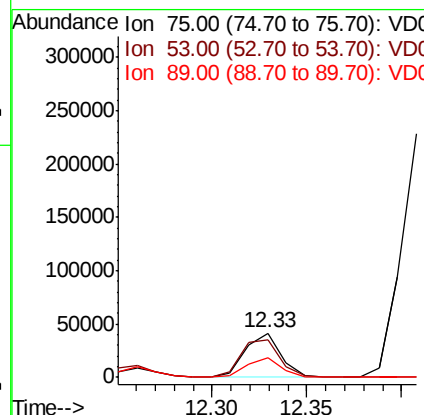
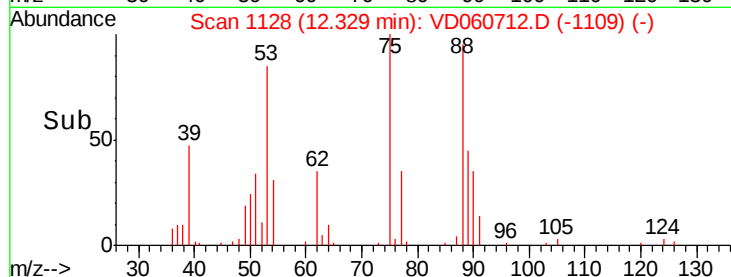
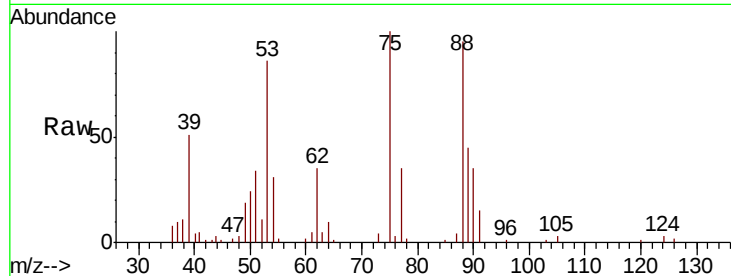
#81
trans-1,4-Dichloro-2-butene
Concen: 20.116 ug/l
RT: 12.33 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	72.1	108.1
89	44.6	35.1	52.7

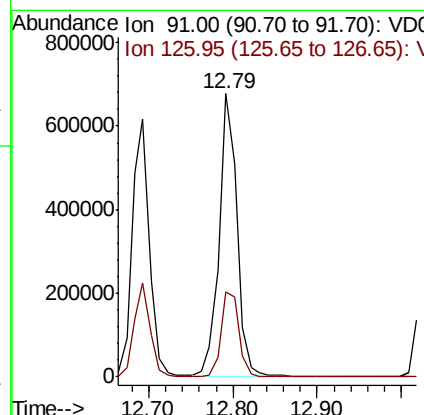
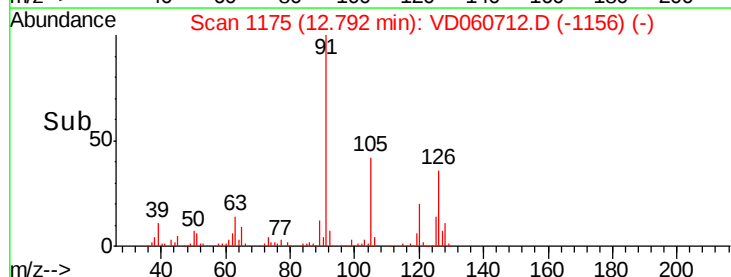
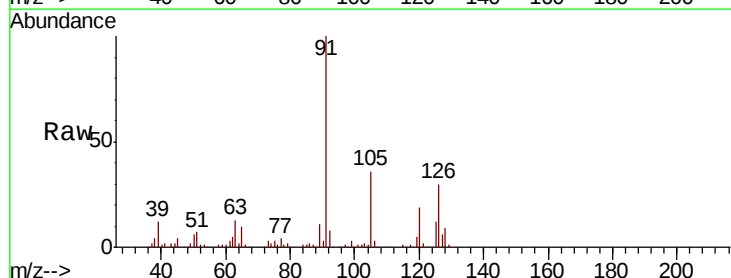
Manual Integrations
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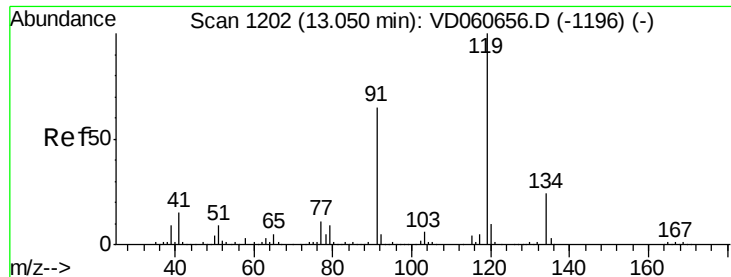
apatel
12/27/2018 10:48:02 AM



#82
4-Chlorotoluene
Concen: 20.782 ug/l
RT: 12.79 min Scan# 1175
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.6	43.8





#83

tert-Butylbenzene

Concen: 20.505 ug/l

RT: 13.03 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:119 Resp: 1108912

Ion Ratio Lower Upper

119 100

91 76.4 32.5 97.4

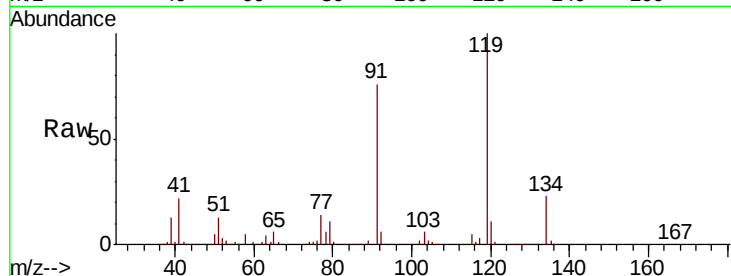
134 23.0 11.9 35.9

Manual Integrations

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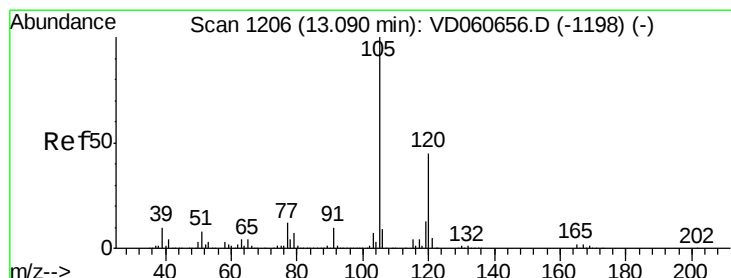
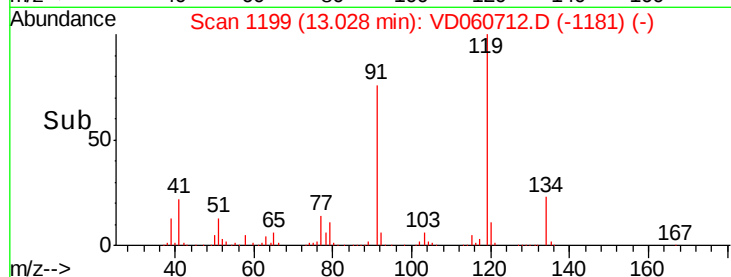
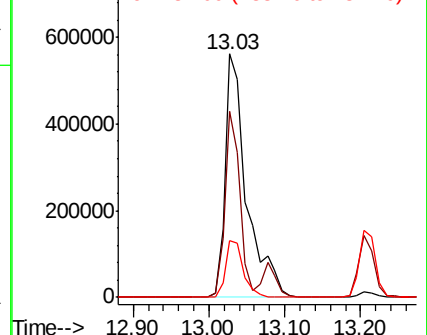
12/27/2018 10:48:02 AM



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.351 ug/l

RT: 13.08 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060712.D

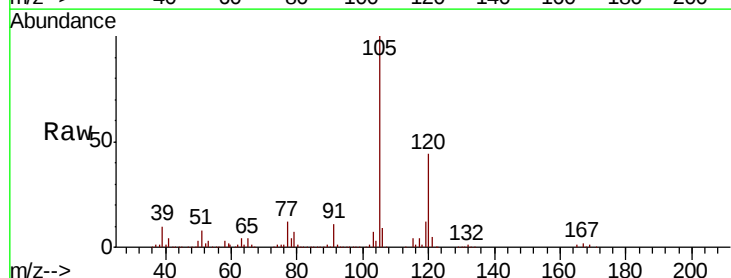
Acq: 26 Dec 2018 12:11

Tgt Ion:105 Resp: 995983

Ion Ratio Lower Upper

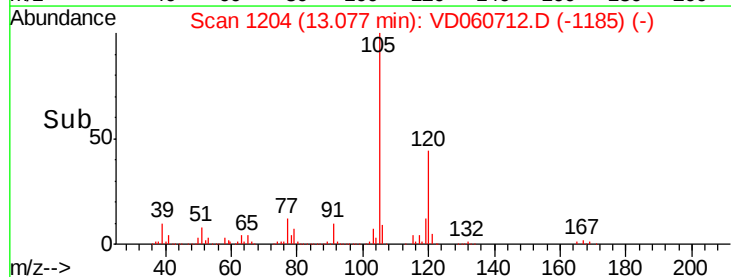
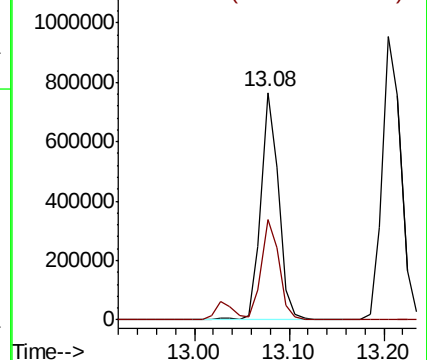
105 100

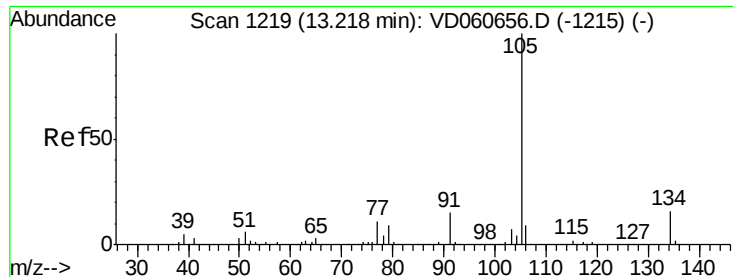
120 44.4 22.4 67.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 20.120 ug/l

RT: 13.20 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion:105 Resp: 1326956

Ion Ratio Lower Upper

105 100

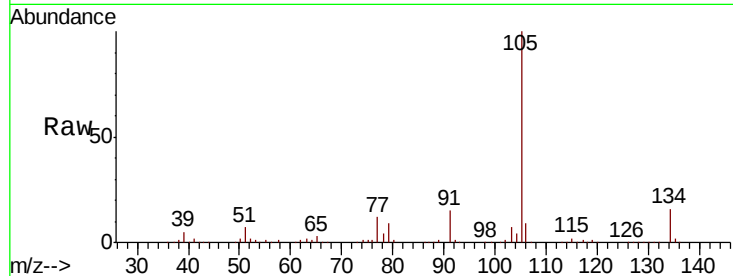
134 16.1 8.2 24.4

Manual Integrations

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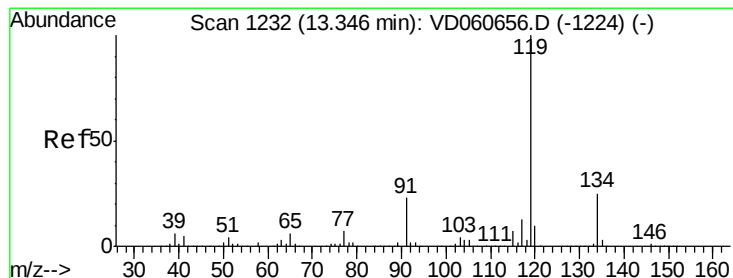
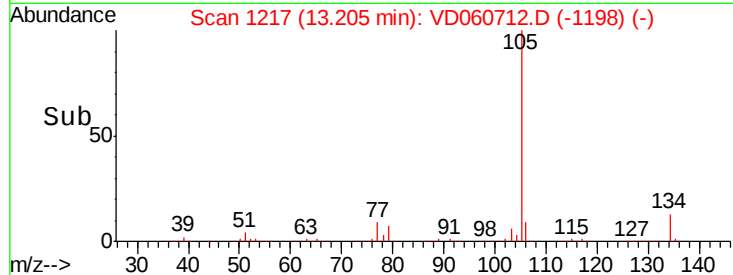
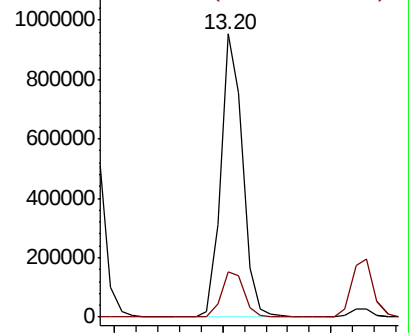
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.284 ug/l

RT: 13.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD060712.D

Acq: 26 Dec 2018 12:11

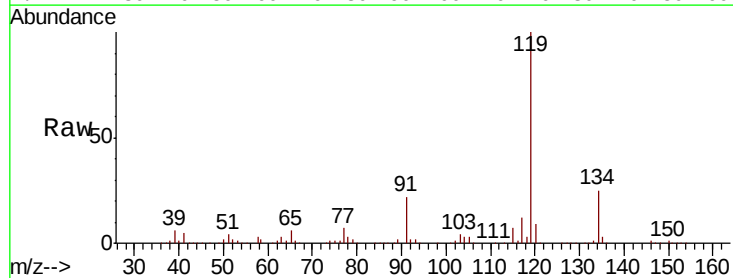
Tgt Ion:119 Resp: 1133124

Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

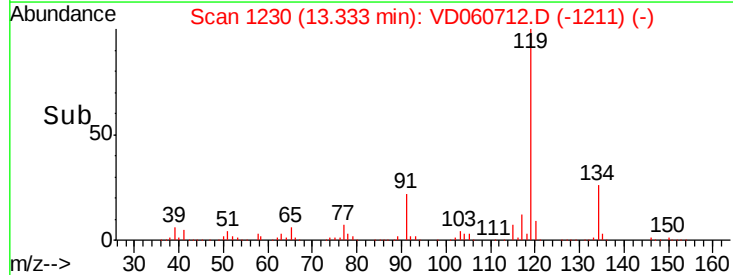
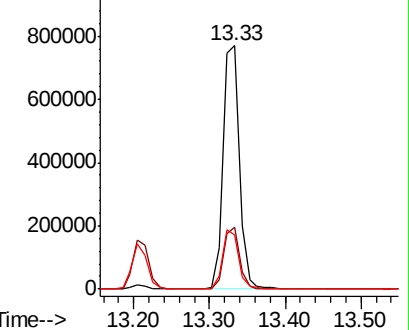
91 22.2 11.4 34.2

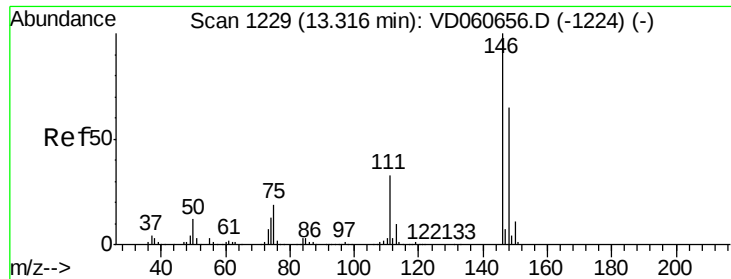


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





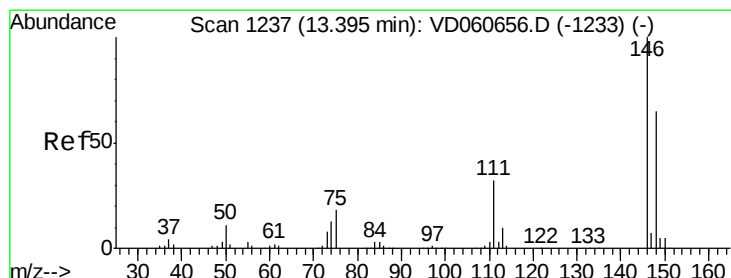
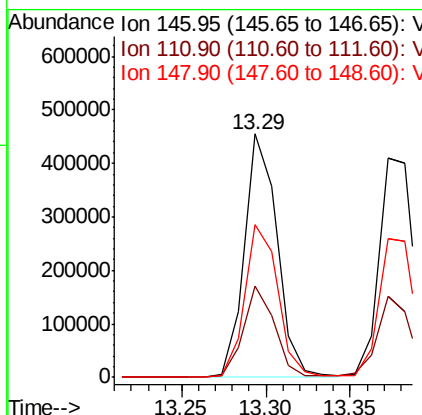
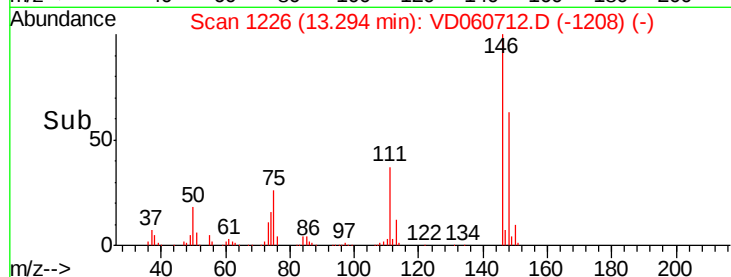
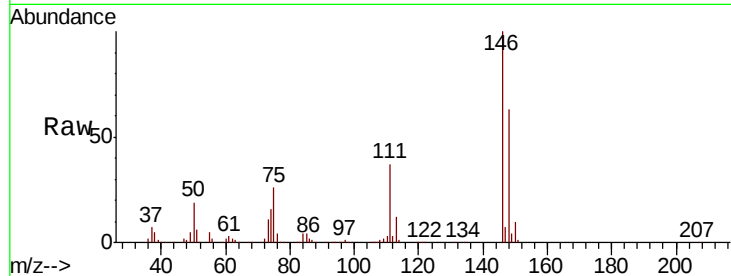
#87
 1,3-Dichlorobenzene
 Concen: 20.602 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	16.6	49.8
148	62.8	32.6	97.8

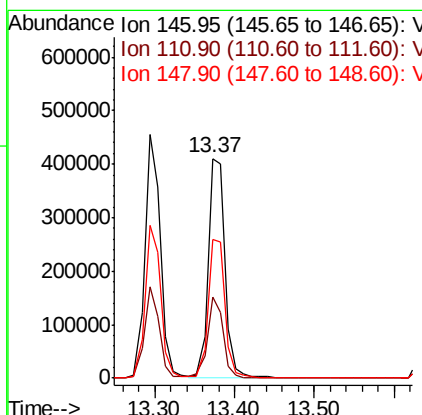
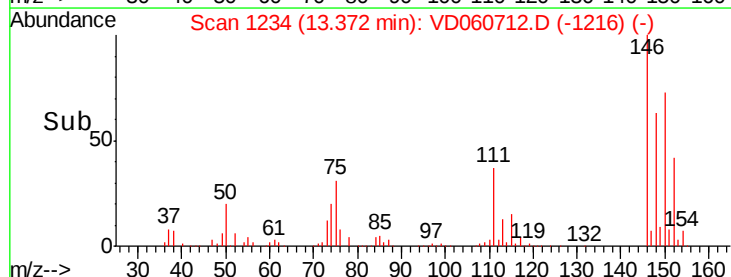
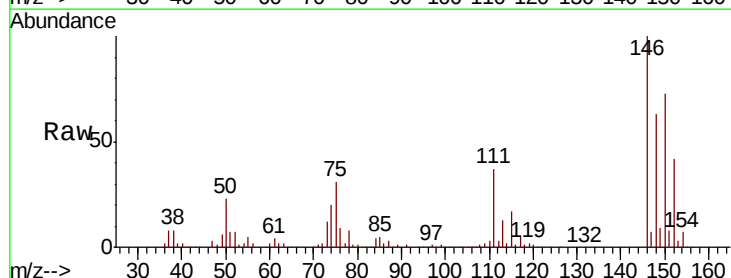
Manual Integrations
 APPROVED

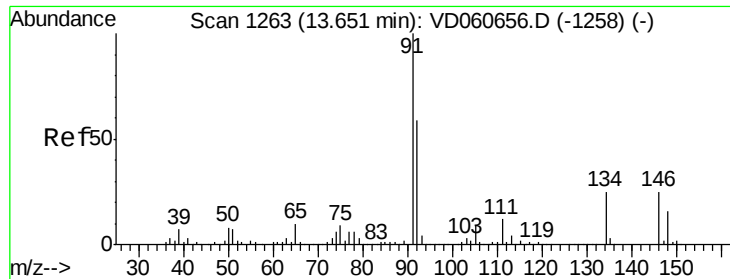
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.548 ug/l
 RT: 13.37 min Scan# 1234
 Delta R.T. -0.02 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	16.2	48.5
148	63.4	32.7	98.1





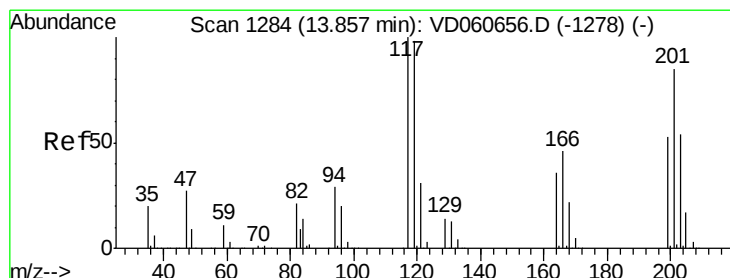
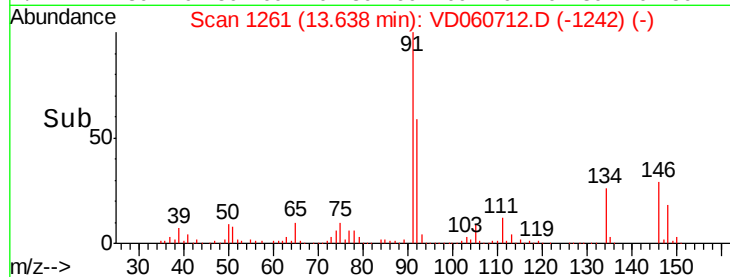
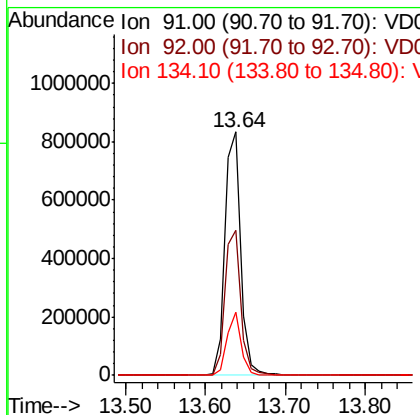
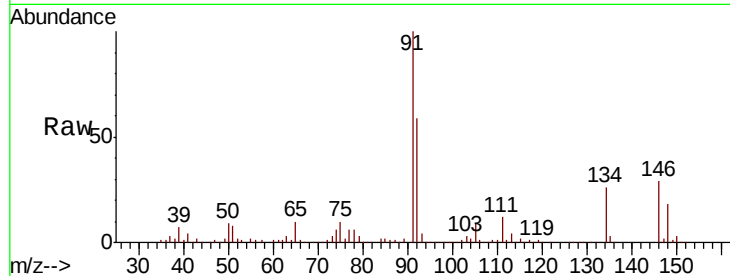
#89
n-Butylbenzene
Concen: 21.575 ug/l
RT: 13.64 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 91 Resp: 1173747
Ion Ratio Lower Upper
91 100
92 59.5 29.7 89.1
134 25.8 12.7 38.1

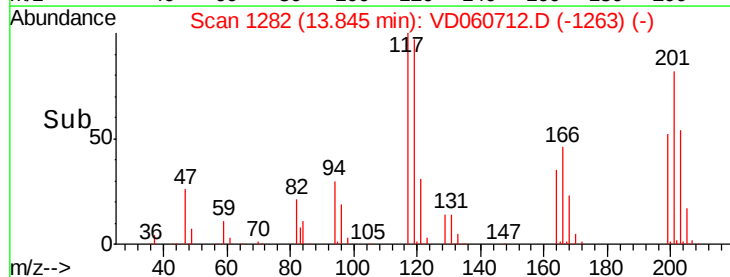
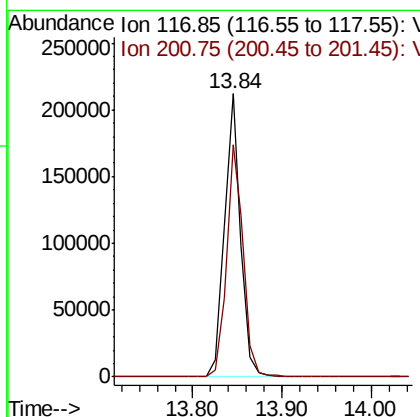
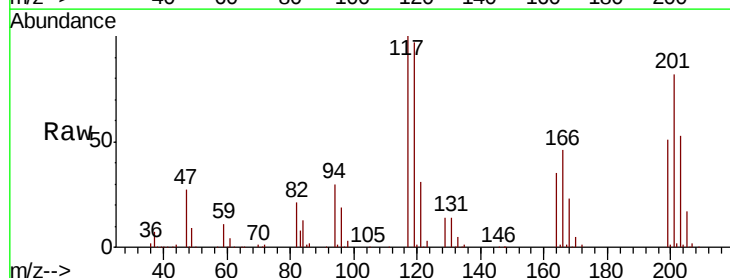
Manual Integrations
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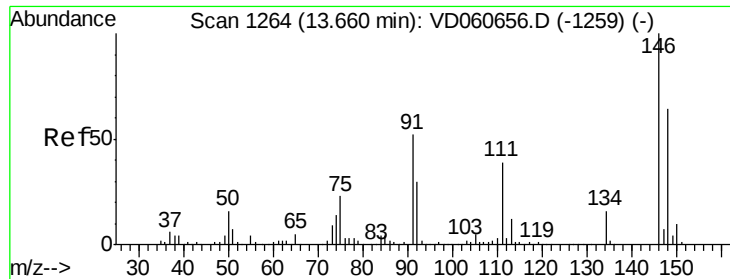
apatel
12/27/2018 10:48:02 AM



#90
Hexachloroethane
Concen: 20.721 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion: 117 Resp: 271005
Ion Ratio Lower Upper
117 100
201 82.0 42.6 127.8





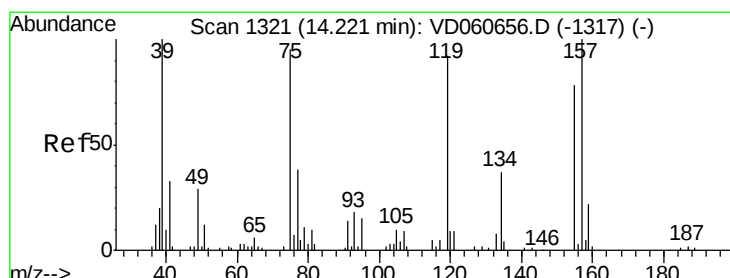
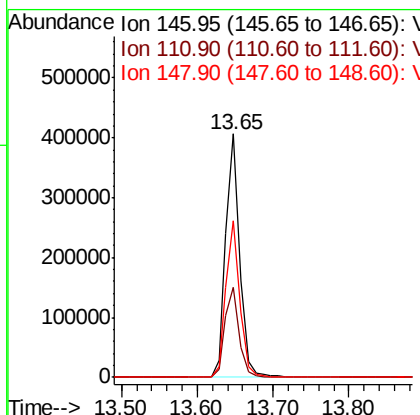
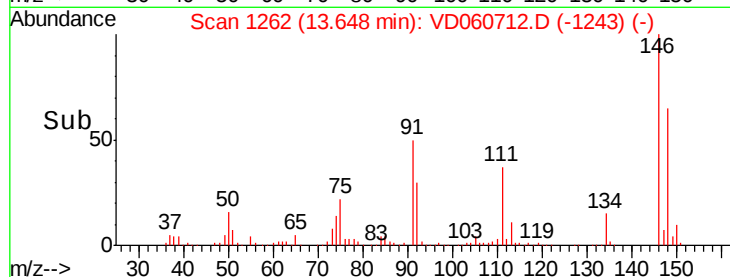
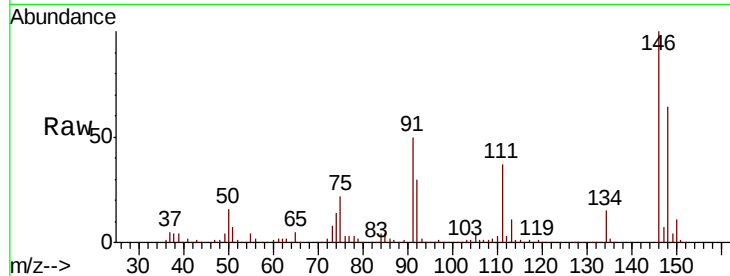
#91
 1,2-Dichlorobenzene
 Concen: 21.725 ug/l
 RT: 13.65 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.3	57.9
148	64.5	31.9	95.9

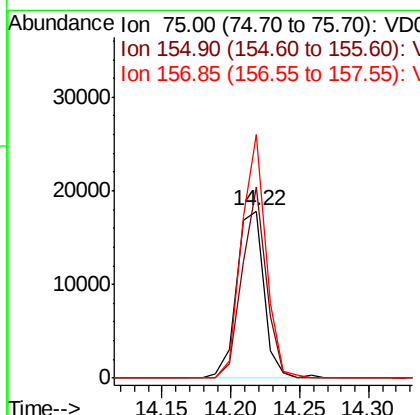
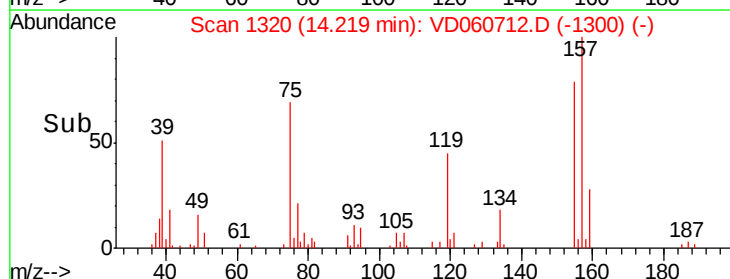
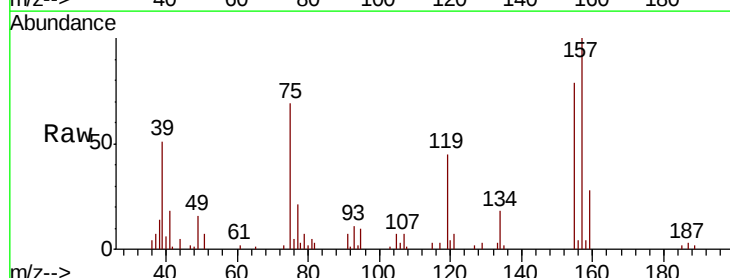
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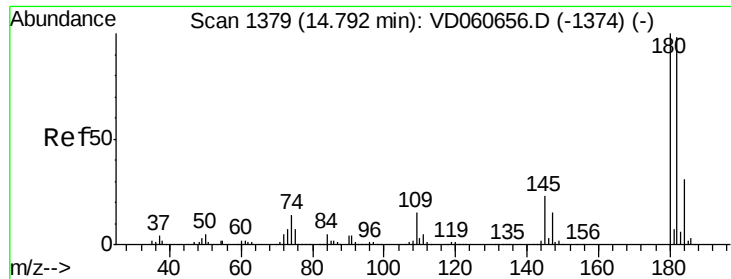
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.209 ug/l
 RT: 14.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.3	41.1	123.4
157	145.4	52.5	157.6





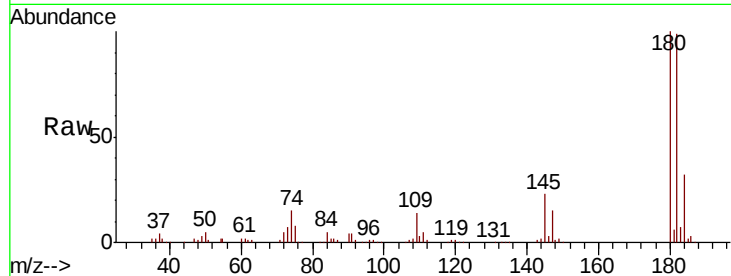
#93
 1,2,4-Trichlorobenzene
 Concen: 20.790 ug/l
 RT: 14.78 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

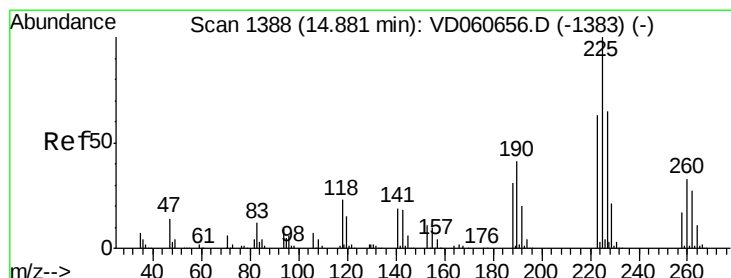
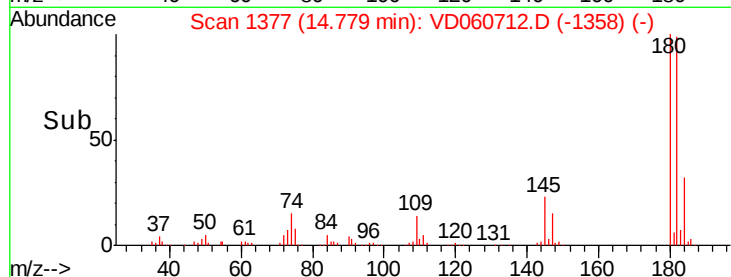
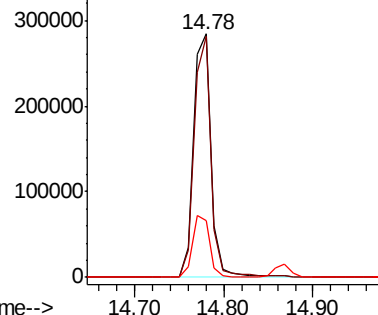
Tot Ion	Ratio	Resp	Lower	Upper
180	100	395794		
182	98.9	48.8	146.4	
145	23.3	11.8	35.3	

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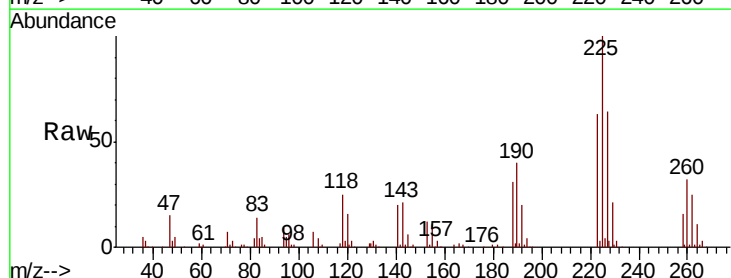


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

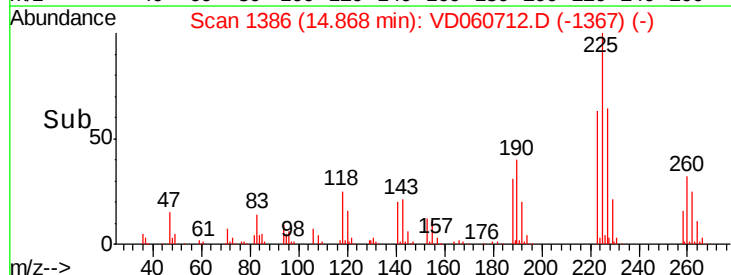
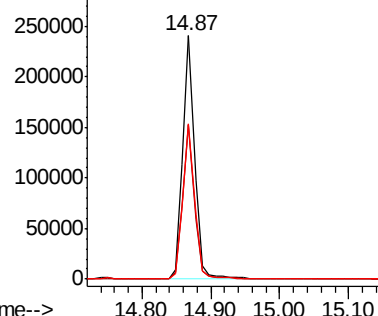


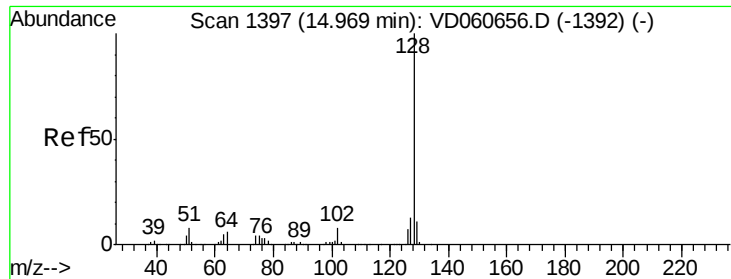
#94
 Hexachlorobutadiene
 Concen: 20.708 ug/l
 RT: 14.87 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VD060712.D
 Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	291398		
223	63.3	31.3	93.8	
227	63.7	32.5	97.4	



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





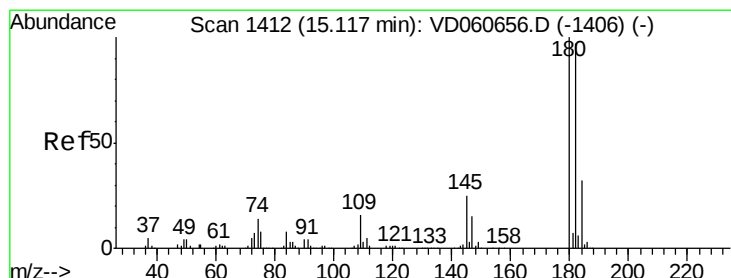
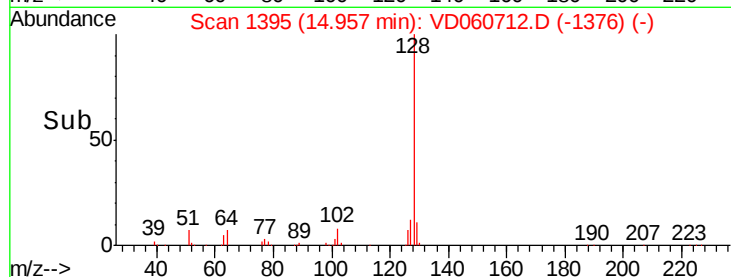
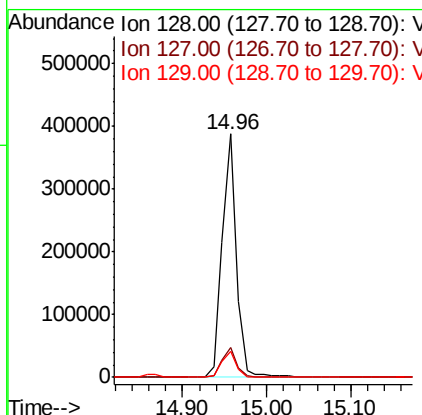
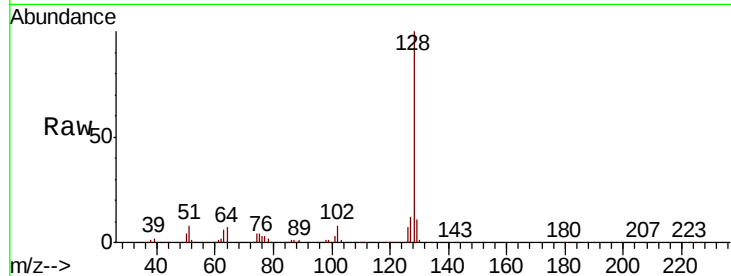
#95
Naphthalene
Concen: 20.247 ug/l
RT: 14.96 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	458116		
127	12.1		10.1	15.1
129	10.6		8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.816 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VD060712.D
Acq: 26 Dec 2018 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	309780		
182	96.4		48.6	145.9
145	25.3		12.6	37.8

