

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102918\
 Data File : VD060230.D
 Acq On : 29 Oct 2018 15:45
 Operator : VA/AP
 Sample : VD1029SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

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 10/30/2018 12:38:05 PM

Quant Time: Oct 29 16:20:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1510153	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.46	114	2119124	50.00	ug/l	0.04
63) Chlorobenzene-d5	11.30	117	1725054	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	13.39	152	947464	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	642985	56.17	ug/l	0.04
Spiked Amount	50.000		Recovery	=	112.34%	
35) Dibromofluoromethane	6.34	113	852238	52.96	ug/l	0.04
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	9.47	98	2368428	51.61	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.44	95	912331	53.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	282887	19.914	ug/l	99
3) Chloromethane	1.76	50	307982	24.043	ug/l	99
4) Vinyl Chloride	1.86	62	249246	23.776	ug/l	99
5) Bromomethane	2.15	94	21091	16.023	ug/l	99
6) Chloroethane	2.26	64	53359	18.653	ug/l	95
7) Trichlorofluoromethane	2.51	101	292191	23.278	ug/l	93
8) Diethyl Ether	2.84	74	69622	26.974	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.10	101	207267	26.506	ug/l	95
10) Methyl Iodide	3.26	142	196164	23.655	ug/l	97
11) Tert butyl alcohol	3.99	59	83539	101.756	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	165622	26.885	ug/l	88
13) Acrolein	2.99	56	45448	89.802	ug/l	93
14) Allyl chloride	3.54	41	319399	24.964	ug/l	99
15) Acrylonitrile	4.11	53	416377	122.532	ug/l	100
16) Acetone	3.17	43	338642	163.033	ug/l	100
17) Carbon Disulfide	3.33	76	493970	23.845	ug/l	99
18) Methyl Acetate	3.57	43	122383	27.413	ug/l	98
19) Methyl tert-butyl Ether	4.14	73	646624	23.874	ug/l	98
20) Methylene Chloride	3.73	84	398017	21.930	ug/l	97
21) trans-1,2-Dichloroethene	4.12	96	353392	22.212	ug/l	99
22) Diisopropyl ether	4.87	45	1357903	23.765	ug/l	96
23) Vinyl Acetate	4.82	43	3993158	124.328	ug/l	99
24) 1,1-Dichloroethane	4.77	63	608398	23.484	ug/l	100
25) 2-Butanone	5.64	43	700608	135.013	ug/l	96
26) 2,2-Dichloropropane	5.60	77	489041	24.900	ug/l	95
27) cis-1,2-Dichloroethene	5.61	96	385520	22.870	ug/l	92
28) Bromochloromethane	5.94	49	298098	23.678	ug/l	98
29) Tetrahydrofuran	5.97	42	365853	121.379	ug/l	99
30) Chloroform	6.11	83	618609	23.605	ug/l	98
31) Cyclohexane	6.39	56	535787	21.604	ug/l	97
32) 1,1,1-Trichloroethane	6.31	97	496657	23.132	ug/l	99
36) 1,1-Dichloropropene	6.54	75	453322	22.386	ug/l	97
37) Ethyl Acetate	5.71	43	334100	24.856	ug/l	96
38) Carbon Tetrachloride	6.52	117	413668	22.507	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	517432	22.489	ug/l	96
40) Benzene	6.81	78	1176178	22.201	ug/l	99
41) Methacrylonitrile	5.94	41	160641m	21.145	ug/l	
42) 1,2-Dichloroethane	6.91	62	359557	23.673	ug/l	97
43) Isopropyl Acetate	8.37	43	417884	23.632	ug/l	100
44) Trichloroethene	7.76	130	361544	22.046	ug/l	97
45) 1,2-Dichloropropane	8.12	63	322597	23.256	ug/l	100
46) Dibromomethane	8.23	93	207552	23.110	ug/l	91
47) Bromodichloromethane	8.50	83	443699	23.187	ug/l	96
48) Methyl methacrylate	8.26	41	242932	24.118	ug/l	99
49) 1,4-Dioxane	8.25	88	44720	451.226	ug/l #	89
51) 4-Methyl-2-Pentanone	9.36	43	1401459	125.652	ug/l	98
52) Toluene	9.57	92	761345	22.314	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	410875	23.730	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	496690	23.230	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	263904	23.660	ug/l	97
56) Ethyl methacrylate	10.05	69	284308	23.091	ug/l	99
57) 1,3-Dichloropropane	10.39	76	403889	23.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	800248	117.042	ug/l	97
59) 2-Hexanone	10.50	43	1072947	133.780	ug/l	98
60) Dibromochloromethane	10.65	129	318144	23.247	ug/l	100
61) 1,2-Dibromoethane	10.77	107	273852	23.107	ug/l	99
64) Tetrachloroethene	10.27	164	321383	21.271	ug/l	98
65) Chlorobenzene	11.33	112	849667	22.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	294591	23.662	ug/l	98
67) Ethyl Benzene	11.44	91	1452822	24.028	ug/l	99
68) m/p-Xylenes	11.57	106	1091499	48.314	ug/l	95
69) o-Xylene	11.95	106	523583	23.431	ug/l	98
70) Styrene	11.97	104	868769	23.248	ug/l	99
71) Bromoform	12.13	173	232965	23.109	ug/l	99
73) Isopropylbenzene	12.28	105	1429596	22.871	ug/l	98
74) N-amyl acetate	12.15	43	534717	23.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	305118	22.360	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	310336	22.744	ug/l	98
77) Bromobenzene	12.55	156	396079	21.806	ug/l	97
78) n-propylbenzene	12.65	91	1783390	22.978	ug/l	98
79) 2-Chlorotoluene	12.72	91	970440	22.528	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1116573	23.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	84088	21.932	ug/l	97
82) 4-Chlorotoluene	12.81	91	1144321	23.487	ug/l	93
83) tert-Butylbenzene	13.06	119	1229168	22.141	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1112043	21.811	ug/l	97
85) sec-Butylbenzene	13.23	105	1481942	22.577	ug/l	98
86) p-Isopropyltoluene	13.36	119	1231550	22.875	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	701048	22.153	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	702123	22.088	ug/l	97
89) n-Butylbenzene	13.65	91	1267041	24.119	ug/l	98
90) Hexachloroethane	13.87	117	276217	22.169	ug/l	80
91) 1,2-Dichlorobenzene	13.67	146	627288	23.574	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	40689	22.332	ug/l	71

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	452974	20.056	ug/l	97
94) Hexachlorobutadiene	14.89	225	316315	21.070	ug/l	99
95) Naphthalene	14.98	128	718438	21.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	409429	20.839	ug/l	97

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

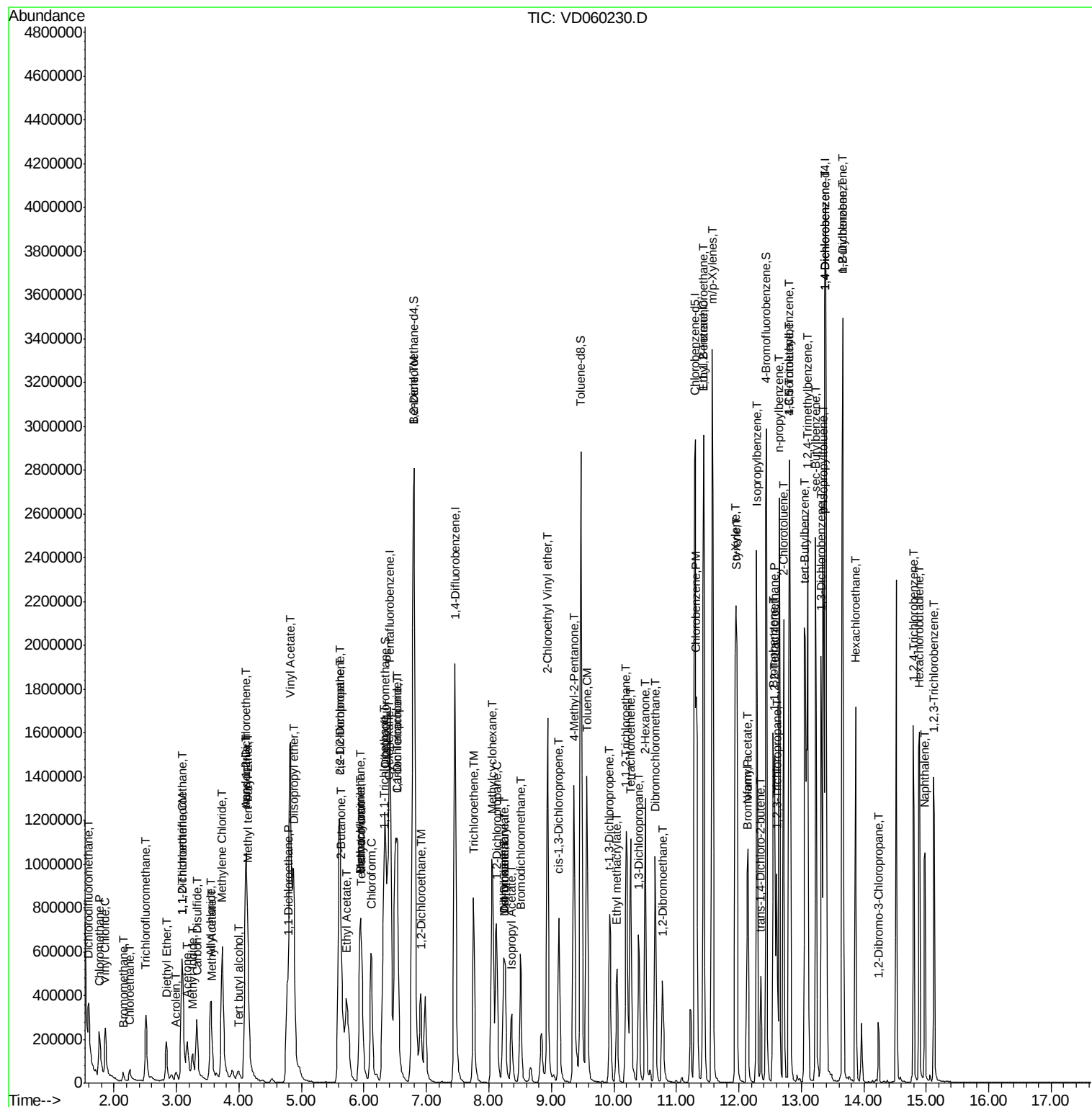
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102918\
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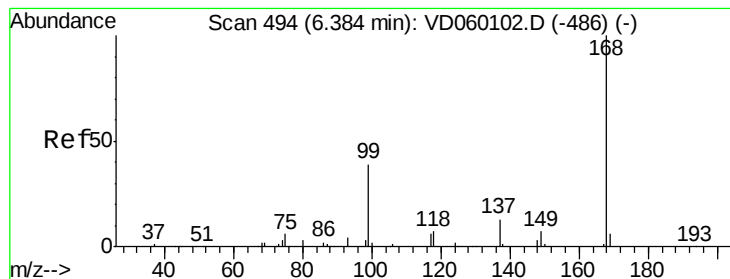
Instrument :
MSVOA_D
Client Sample ID :
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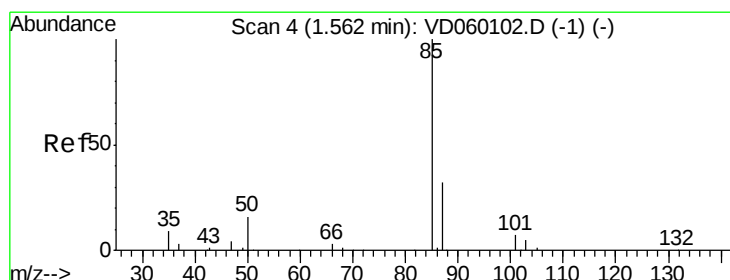
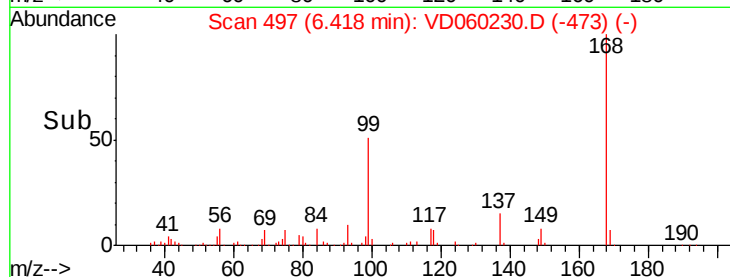
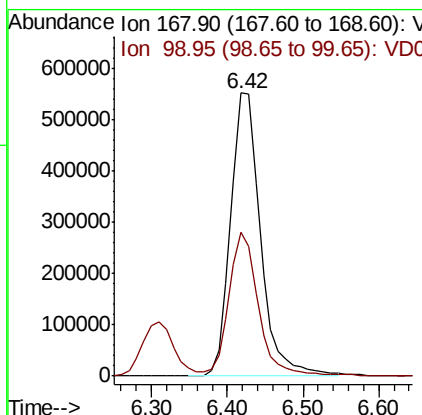
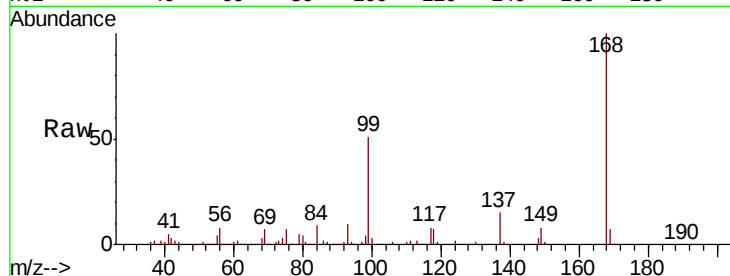
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.42 min Scan# 497
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
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ClientSampleId :
VD1029SBSD01

Tot Ion:168 Resp: 1510153
Ion Ratio Lower Upper
168 100
99 50.7 35.4 53.0

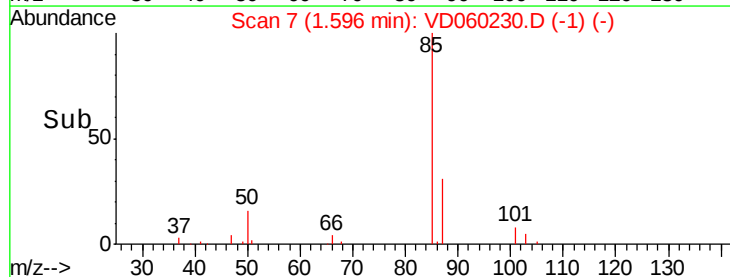
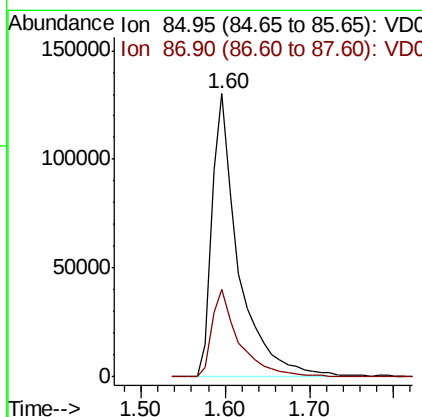
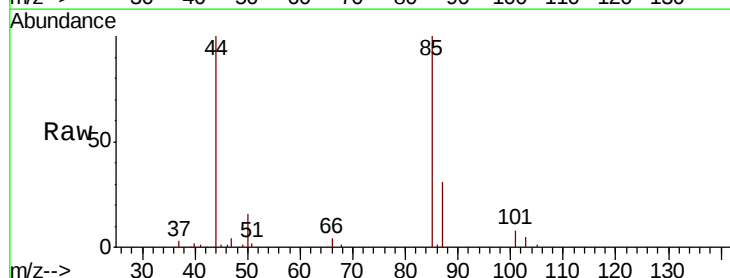
Manual Integrations
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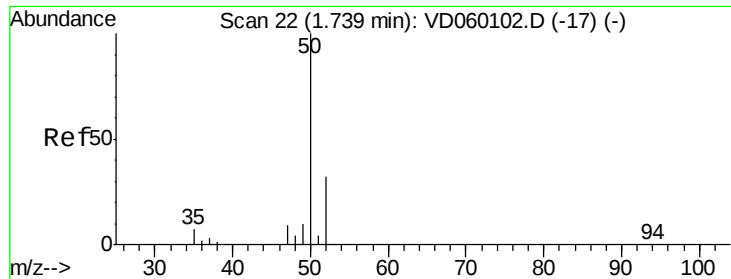
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#2
Dichlorodifluoromethane
Concen: 19.914 ug/l
RT: 1.60 min Scan# 7
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 85 Resp: 282887
Ion Ratio Lower Upper
85 100
87 30.9 15.9 47.6





#3

Chloromethane

Concen: 24.043 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 50 Resp: 307982

Ion Ratio Lower Upper

50 100

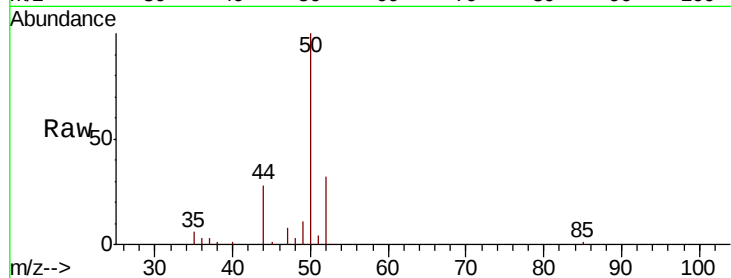
52 32.2 25.3 37.9

Manual Integrations

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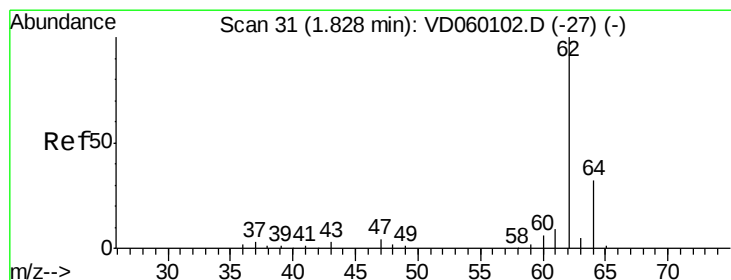
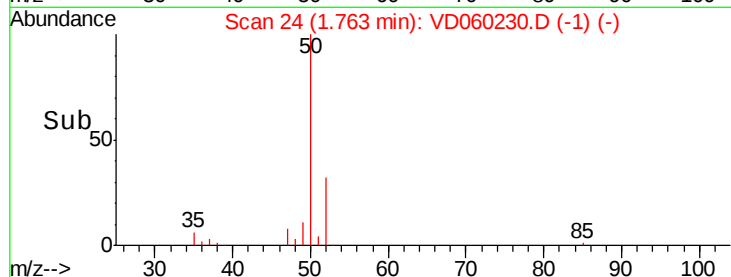
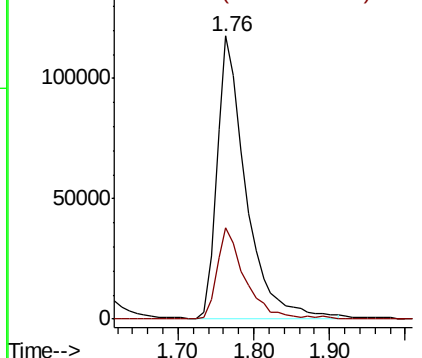
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.776 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.03 min

Lab File: VD060230.D

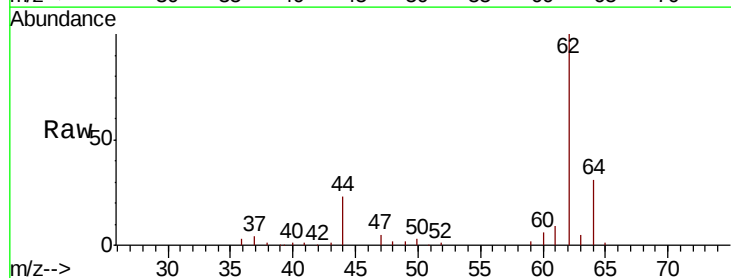
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Tgt Ion: 62 Resp: 249246

Ion Ratio Lower Upper

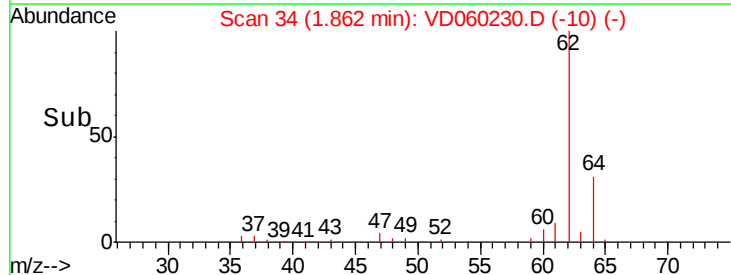
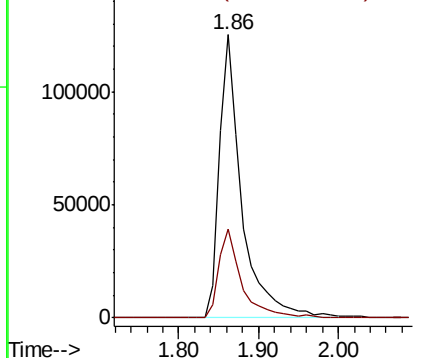
62 100

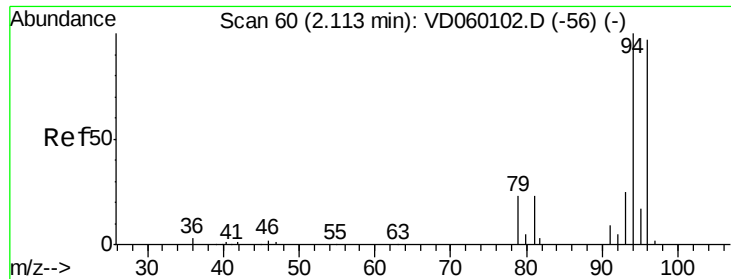
64 31.2 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.023 ug/l

RT: 2.15 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 94 Resp: 21091

Ion Ratio Lower Upper

94 100

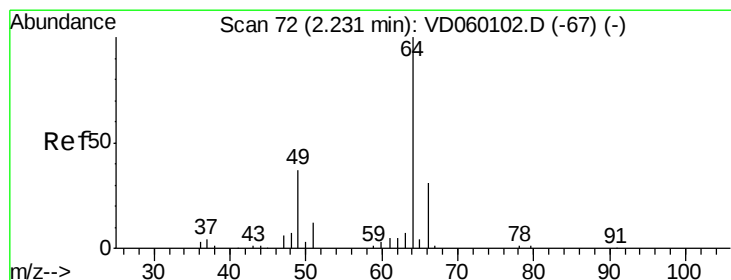
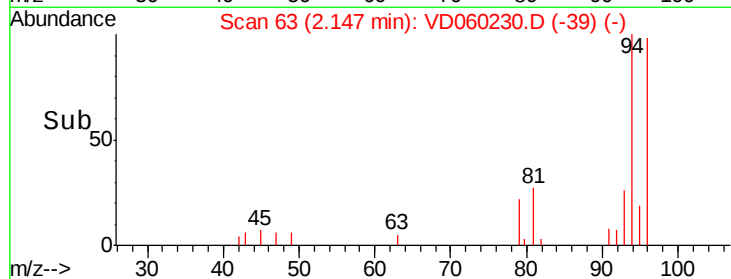
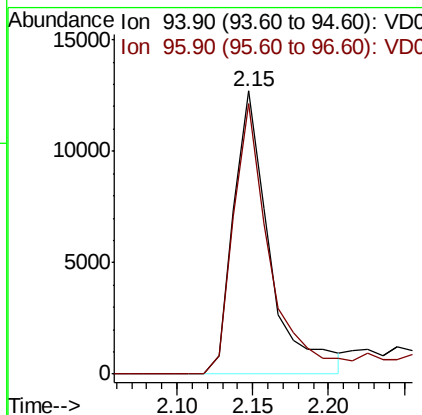
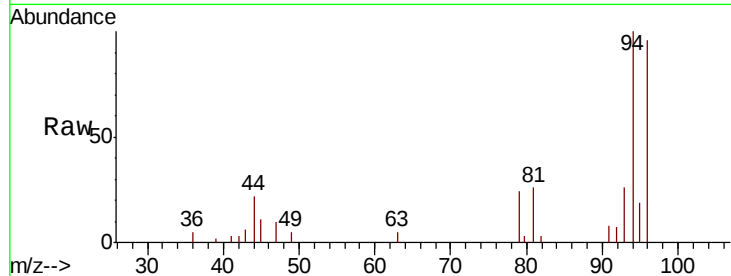
96 95.7 77.4 116.2

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#6

Chloroethane

Concen: 18.653 ug/l

RT: 2.26 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD060230.D

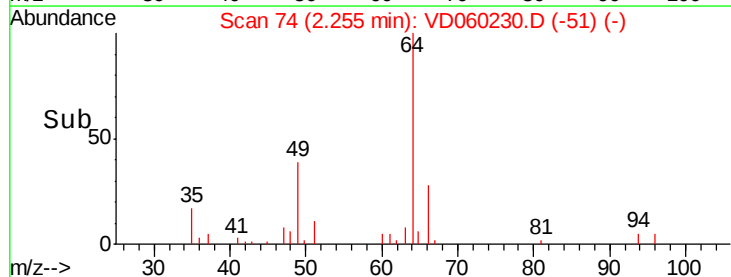
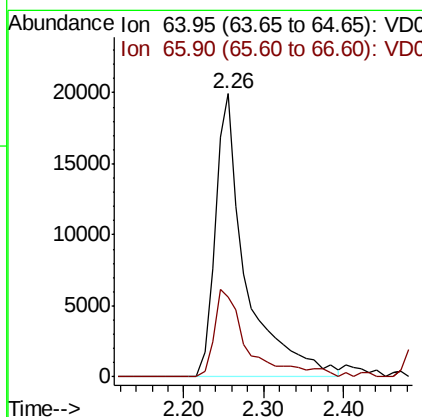
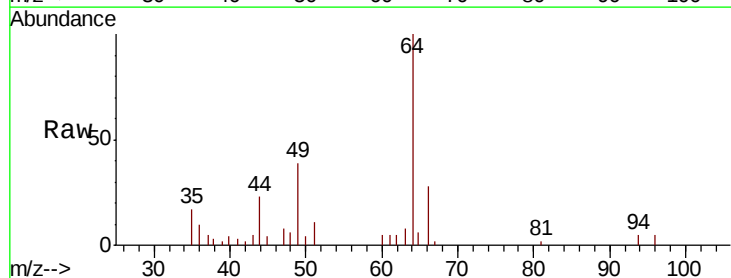
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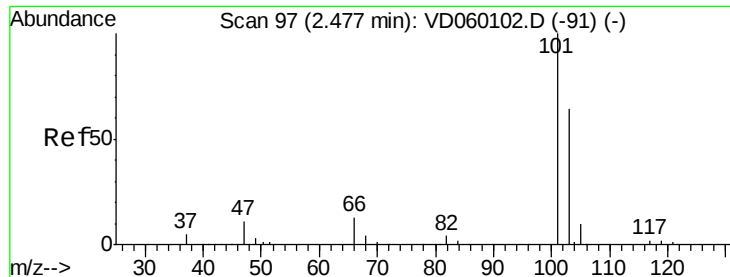
Tgt Ion: 64 Resp: 53359

Ion Ratio Lower Upper

64 100

66 28.0 24.6 37.0





#7

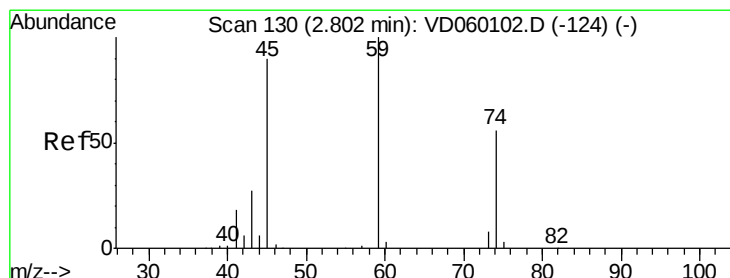
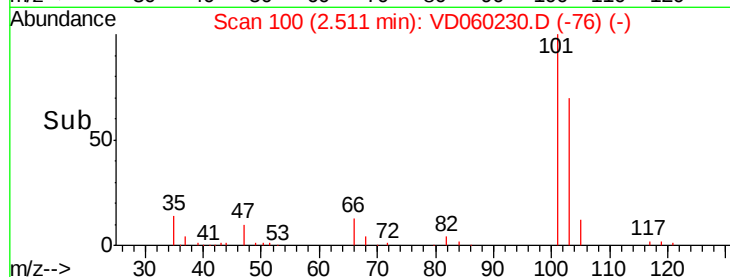
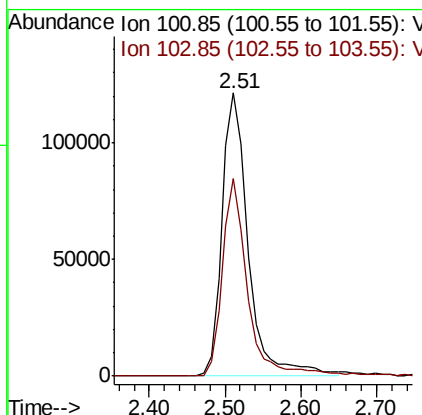
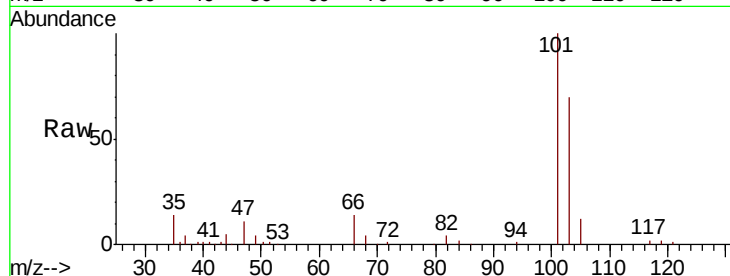
Trichlorofluoromethane
 Concen: 23.278 ug/l
 RT: 2.51 min Scan# 100
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
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 VD1029SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	292191		
103	69.6	51.5	77.3	

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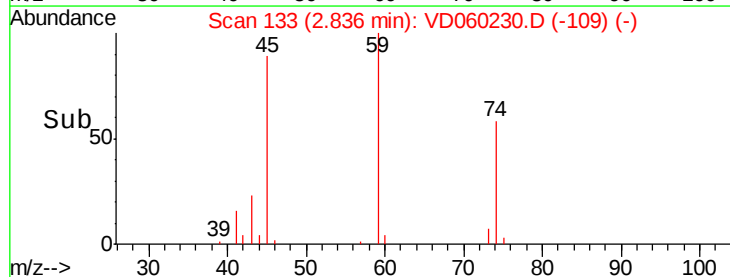
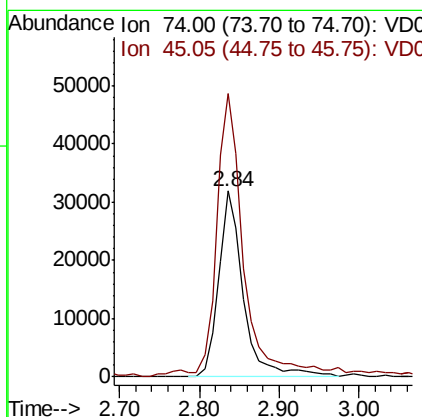
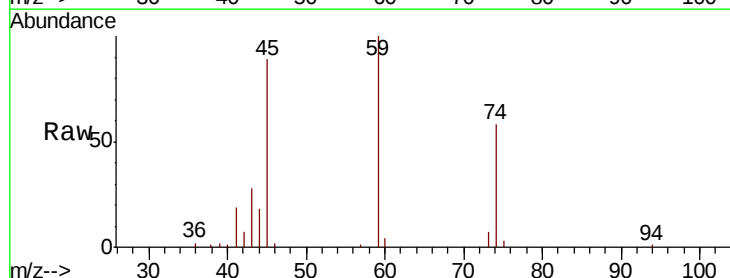
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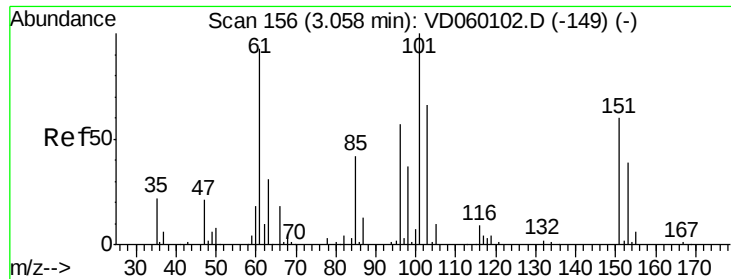


#8

Diethyl Ether
 Concen: 26.974 ug/l
 RT: 2.84 min Scan# 133
 Delta R.T. 0.03 min
 Lab File: VD060230.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69622		
45	152.3	80.3	241.0	





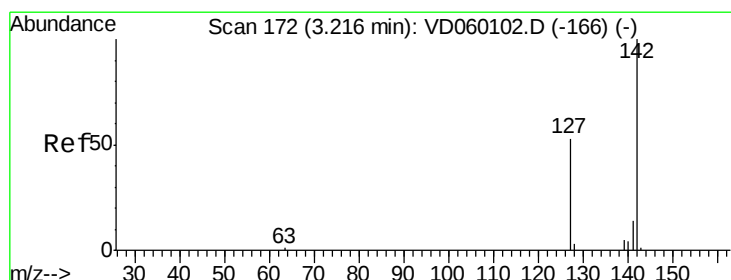
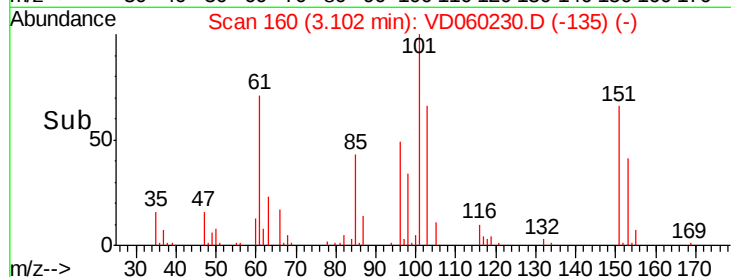
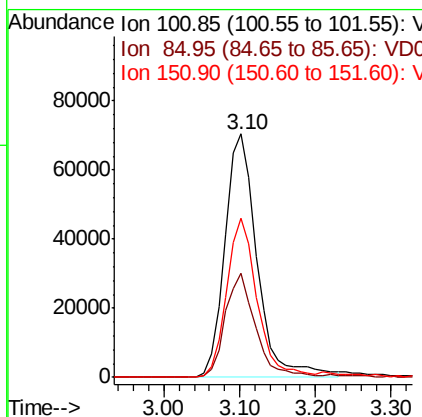
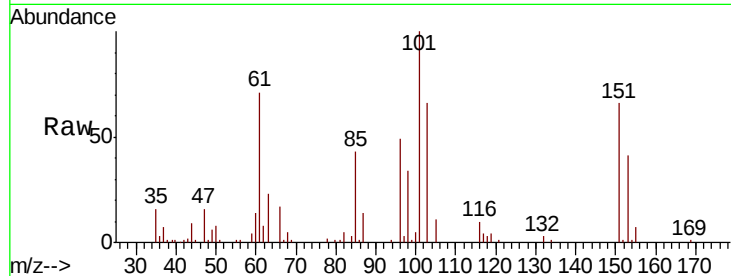
#9
1,1,2-Trichlorotrifluoroethane
Concen: 26.506 ug/l
RT: 3.10 min Scan# 160
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	207267		
85	42.9	33.4	50.0	
151	65.6	48.0	72.0	

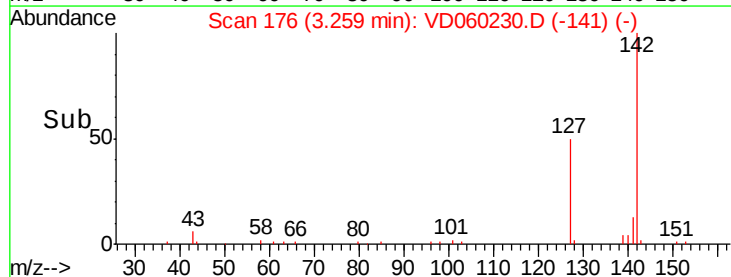
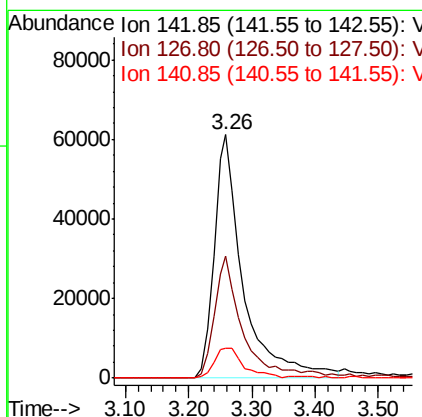
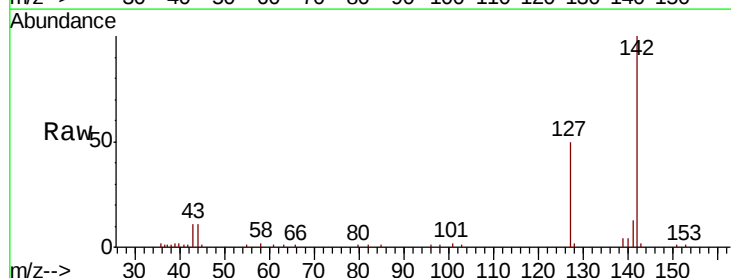
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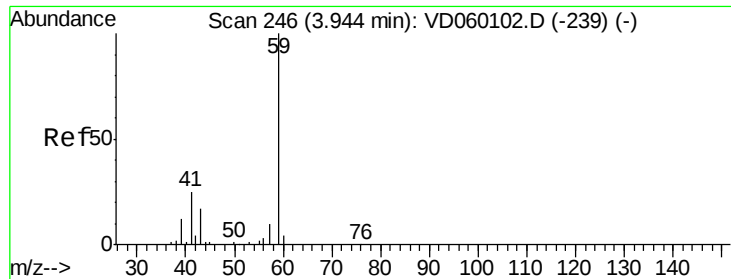
apatel
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#10
Methyl Iodide
Concen: 23.655 ug/l
RT: 3.26 min Scan# 176
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	196164		
127	50.4	42.0	63.0	
141	12.5	11.4	17.0	





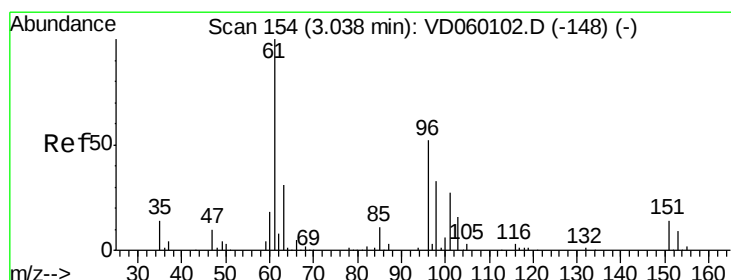
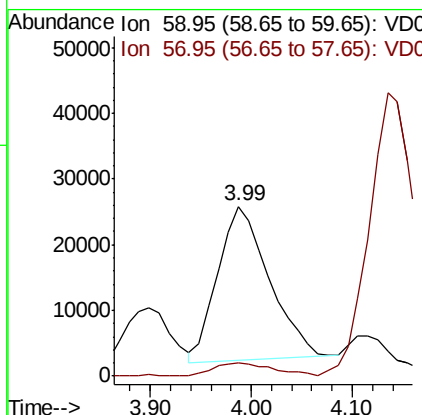
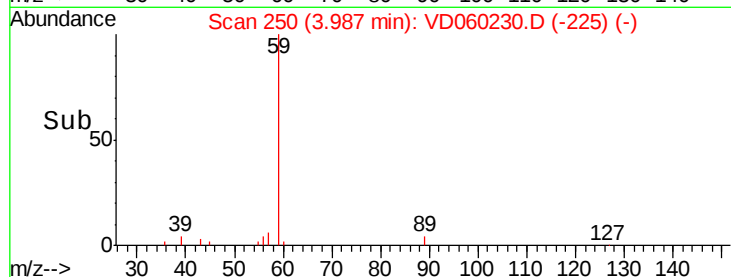
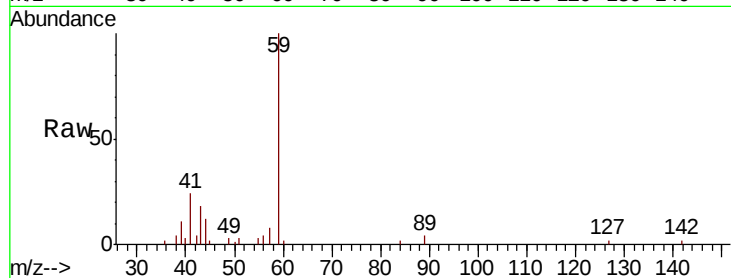
#11
Tert butyl alcohol
Concen: 101.756 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 59 Resp: 83539
Ion Ratio Lower Upper
59 100
57 7.6 7.8 11.6#

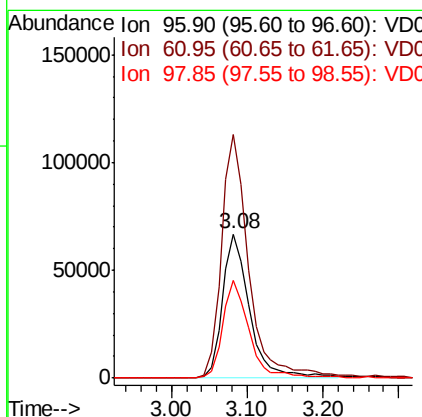
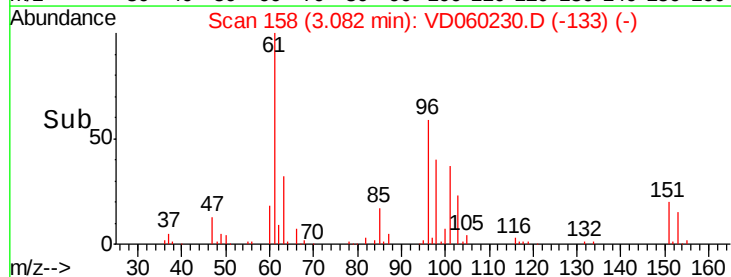
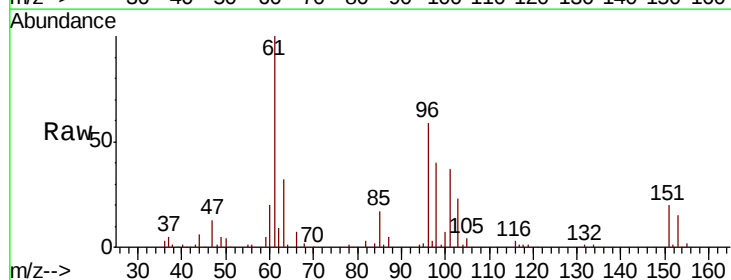
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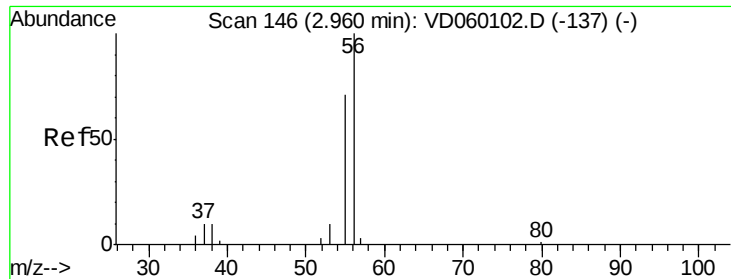
apatel
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#12
1,1-Dichloroethene
Concen: 26.885 ug/l
RT: 3.08 min Scan# 158
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 96 Resp: 165622
Ion Ratio Lower Upper
96 100
61 169.0 153.0 229.4
98 67.7 51.1 76.7





#13

Acrolein

Concen: 89.802 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 56 Resp: 45448

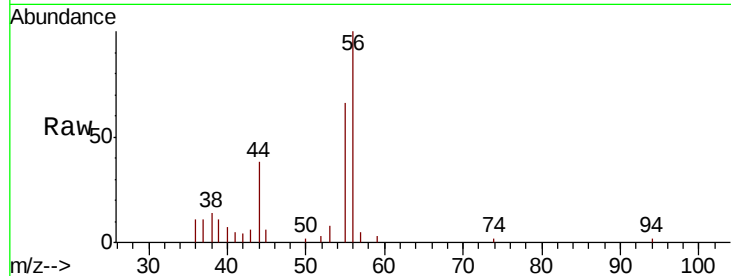
Ion Ratio Lower Upper

56 100

55 66.4 57.4 86.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

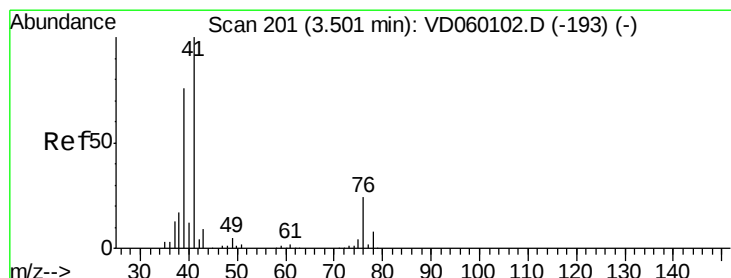
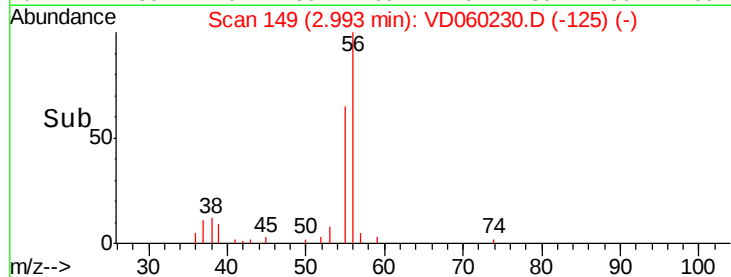
5000

0

2.99

2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 24.964 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

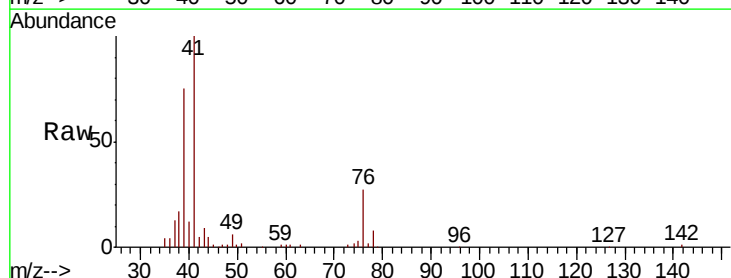
Tgt Ion: 41 Resp: 319399

Ion Ratio Lower Upper

41 100

39 74.5 60.6 90.8

76 27.2 21.3 31.9



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

150000

100000

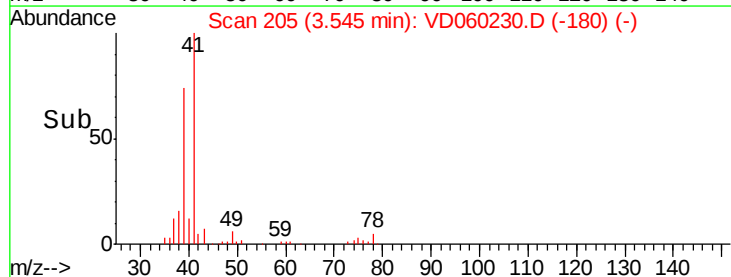
50000

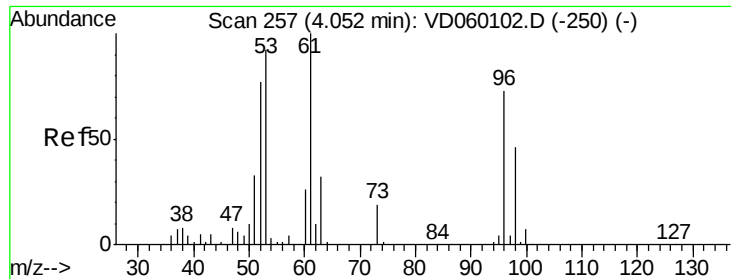
0

3.54

3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 122.532 ug/l

RT: 4.11 min Scan# 262

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

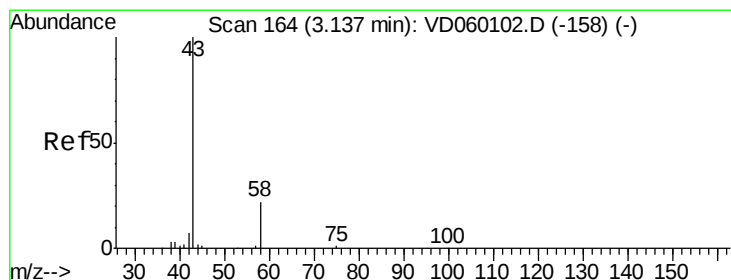
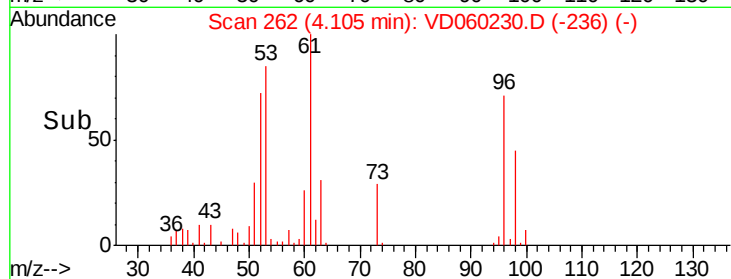
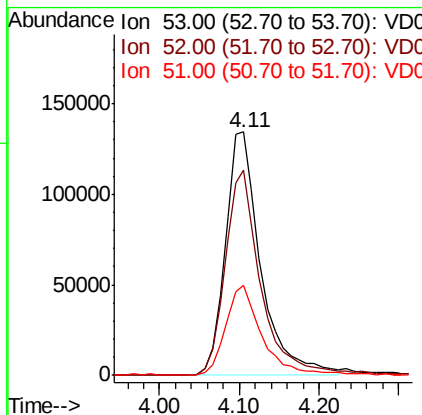
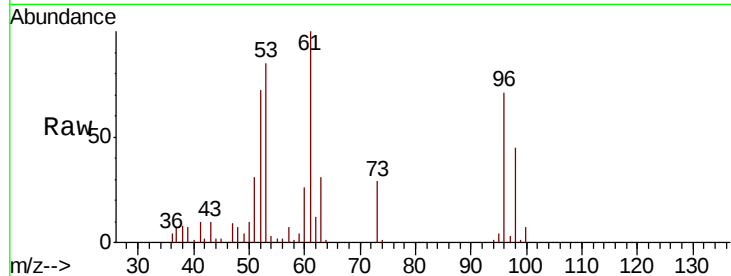
ClientSampleId :

VD1029SBS01

Tot Ion:	53	Resp:	416377
Ion Ratio	Lower	Upper	
53	100		
52	84.4	67.5	101.3
51	36.8	29.3	43.9

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#16

Acetone

Concen: 163.033 ug/l

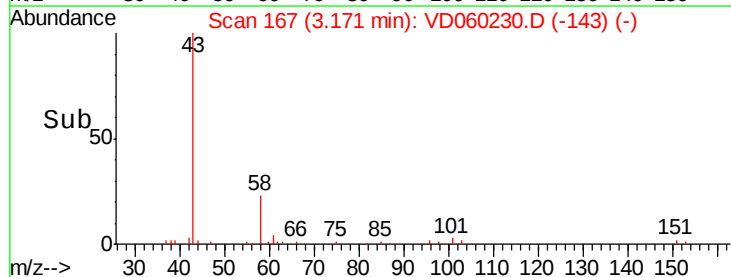
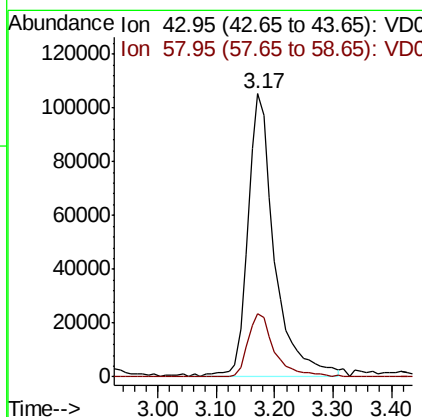
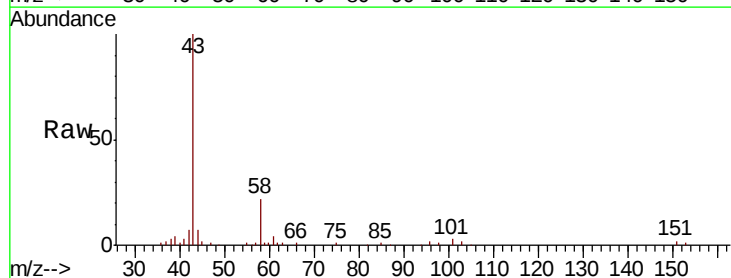
RT: 3.17 min Scan# 167

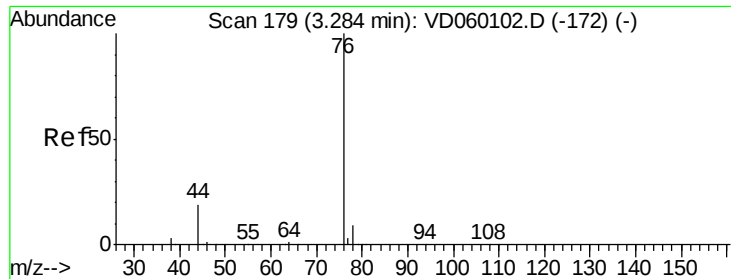
Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion:	43	Resp:	338642
Ion Ratio	Lower	Upper	
43	100		
58	22.3	17.7	26.5





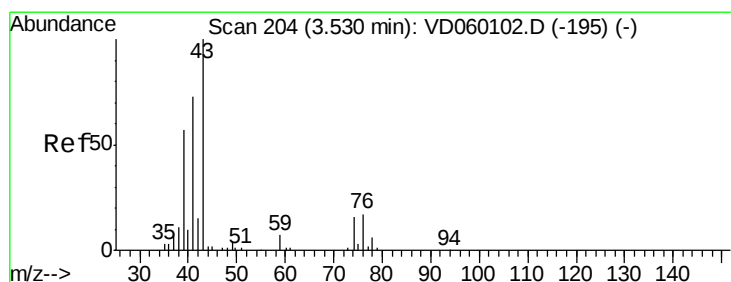
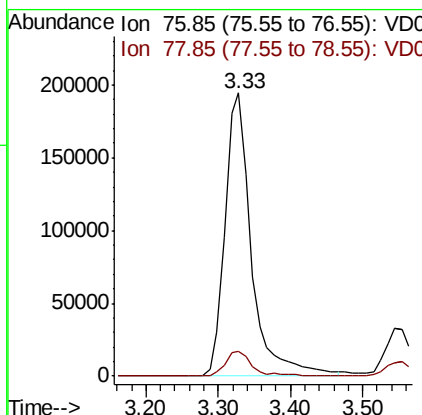
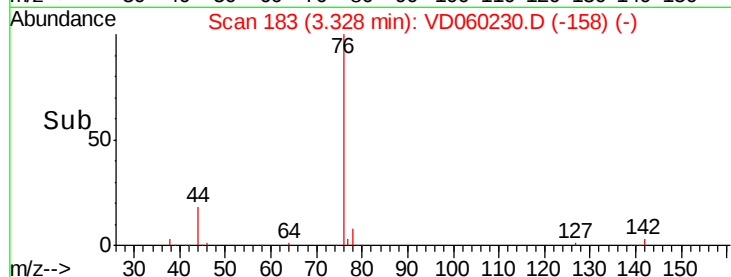
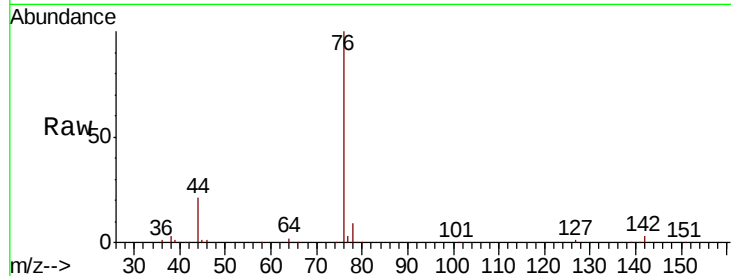
#17
Carbon Disulfide
Concen: 23.845 ug/l
RT: 3.33 min Scan# 183
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 76 Resp: 493970
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

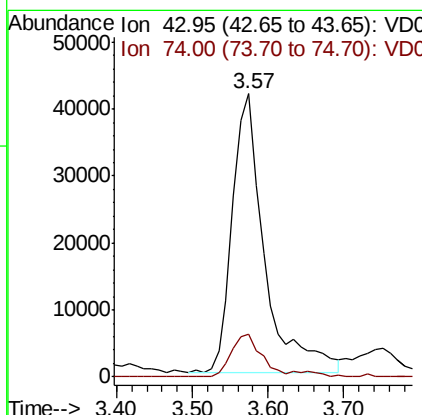
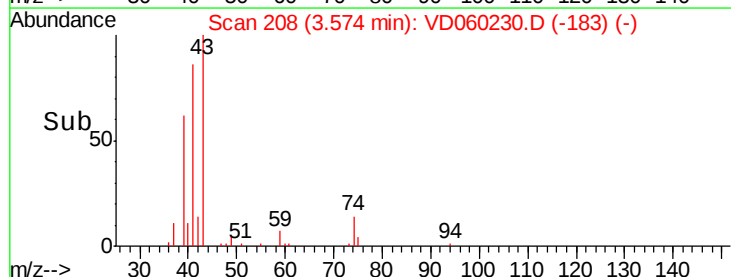
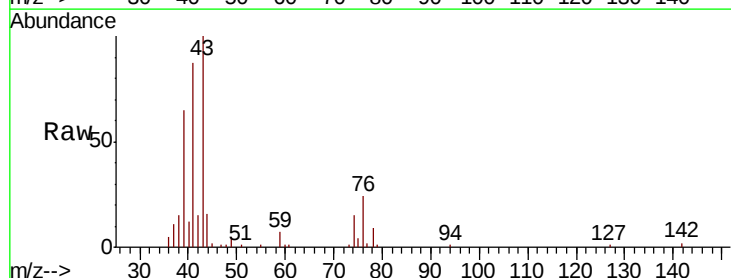
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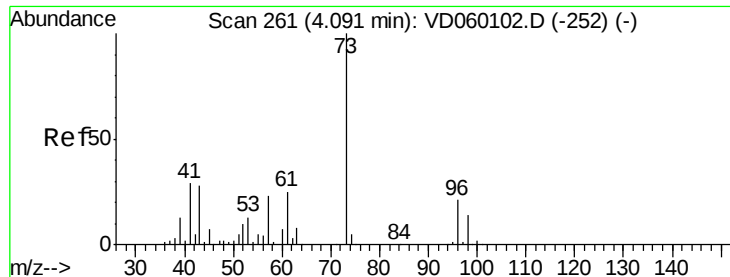
apatel
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#18
Methyl Acetate
Concen: 27.413 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 43 Resp: 122383
Ion Ratio Lower Upper
43 100
74 14.9 12.6 19.0





#19

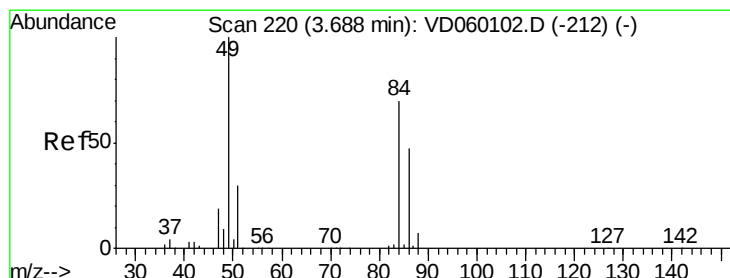
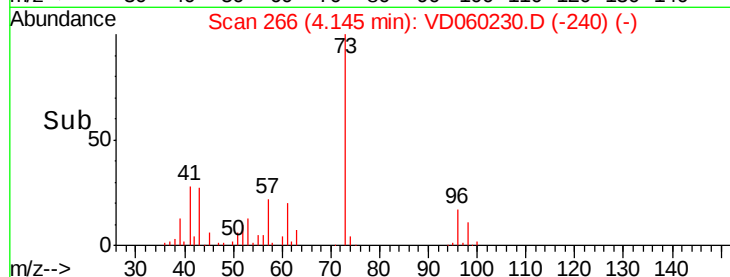
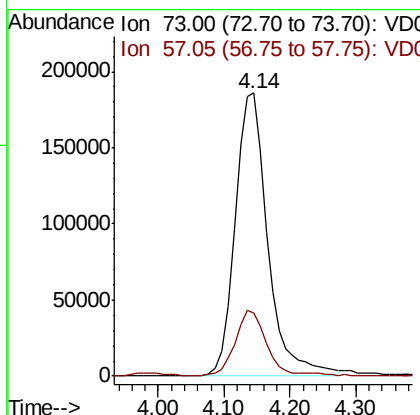
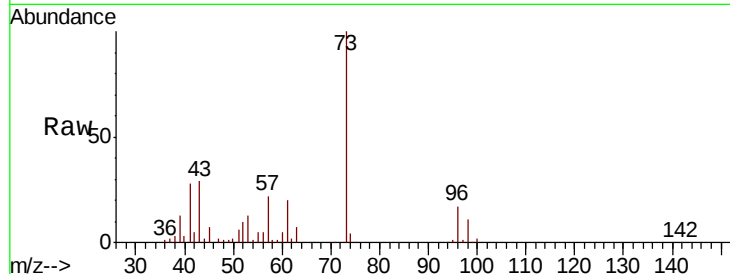
Methvl tert-butvl Ether
 Concen: 23.874 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. 0.05 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 73 Resp: 646624
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.7 28.1

Manual Integrations
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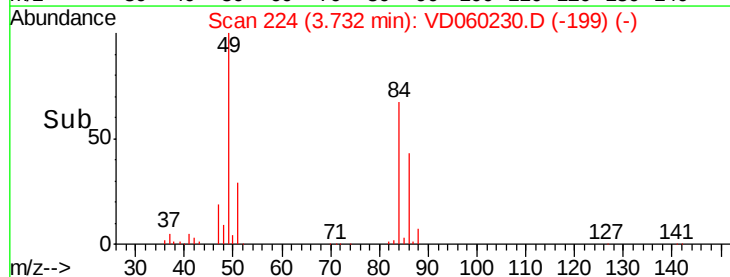
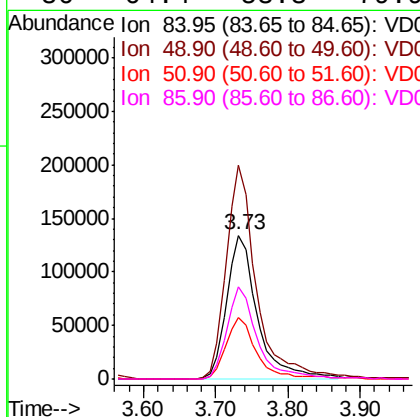
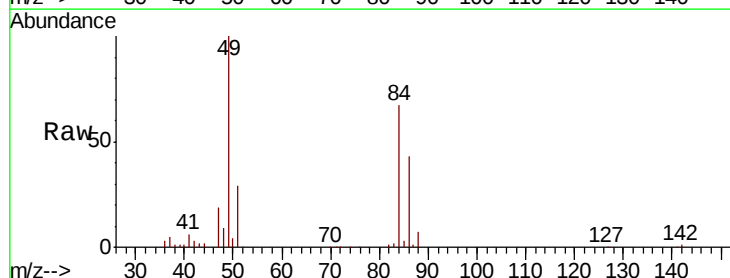
apatel
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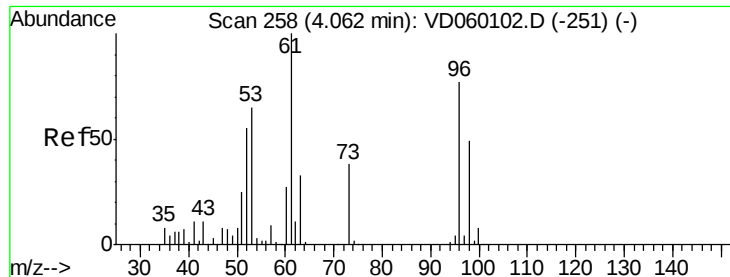


#20

Methylene Chloride
 Concen: 21.930 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion: 84 Resp: 398017
 Ion Ratio Lower Upper
 84 100
 49 148.8 114.6 172.0
 51 43.0 33.8 50.8
 86 64.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 22.212 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 96 Resp: 353392

Ion Ratio Lower Upper

96 100

61 131.0 103.3 154.9

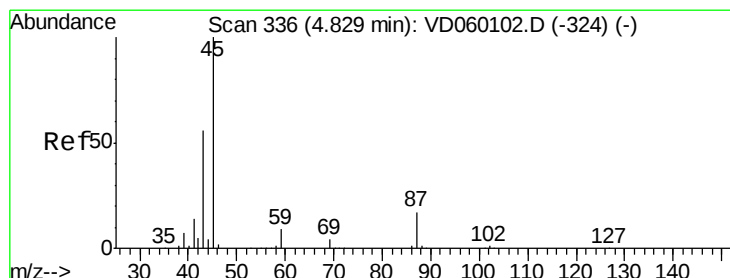
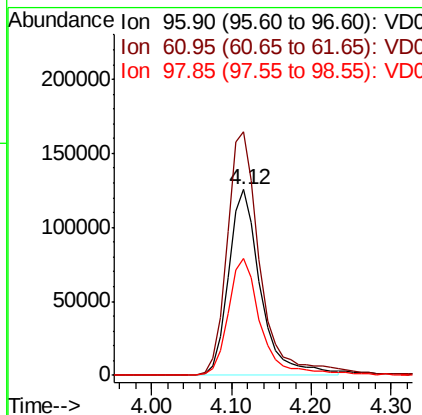
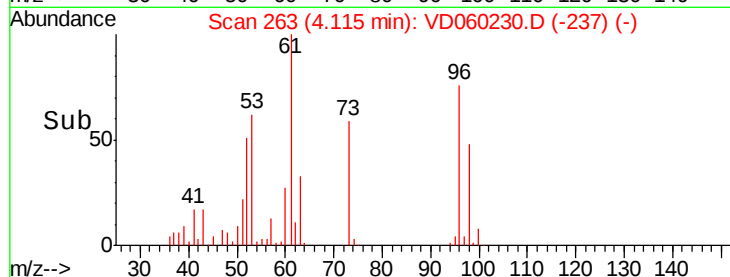
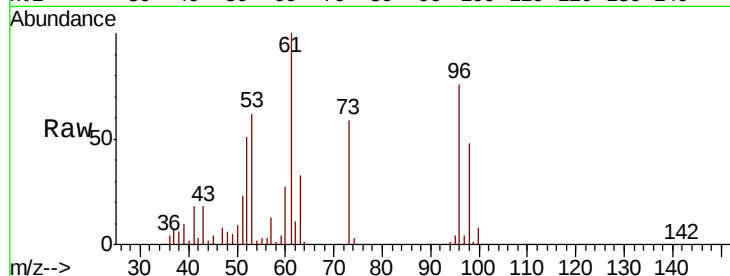
98 63.1 50.4 75.6

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#22

Diisopropyl ether

Concen: 23.765 ug/l

RT: 4.87 min Scan# 340

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion: 45 Resp: 1357903

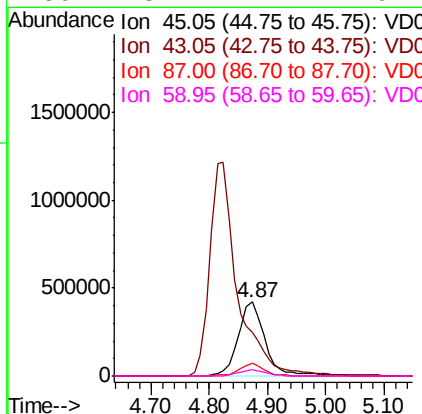
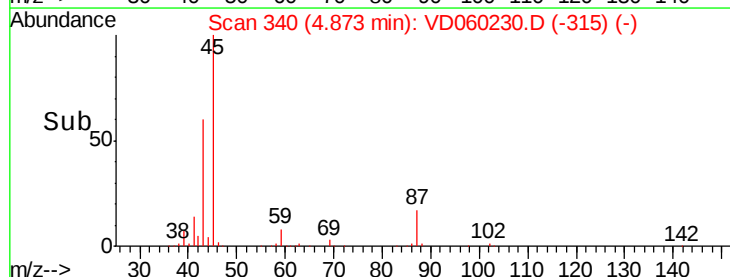
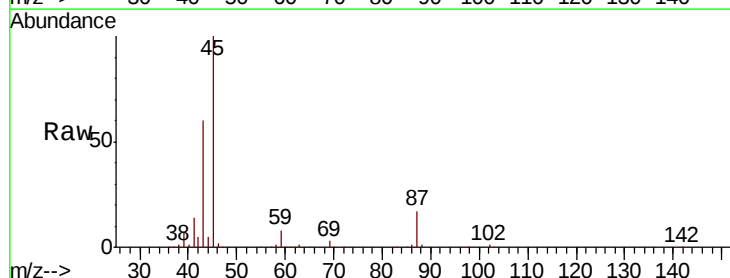
Ion Ratio Lower Upper

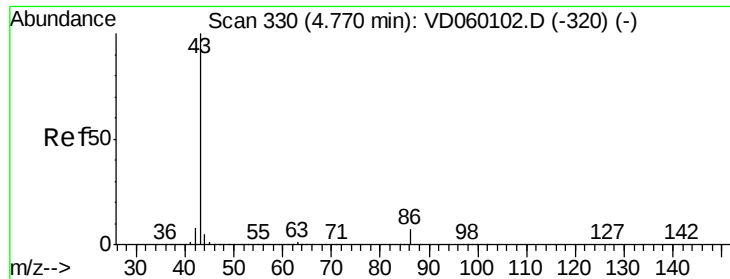
45 100

43 59.6 44.8 67.2

87 16.9 13.9 20.9

59 8.4 7.1 10.7





#23

Vinyl Acetate

Concen: 124.328 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleID :

VD1029SBSD01

Tot Ion: 43 Resp: 3993158

Ion Ratio Lower Upper

43 100

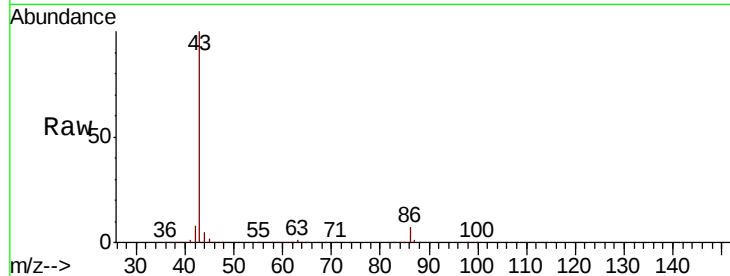
86 6.7 5.6 8.4

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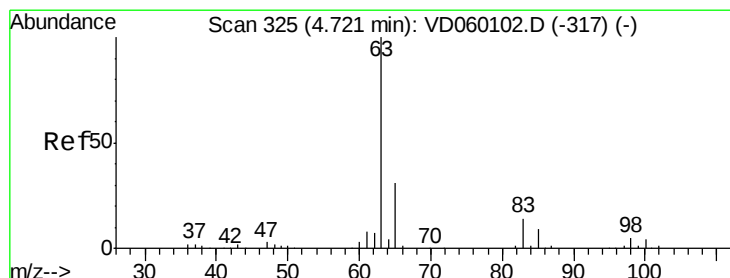
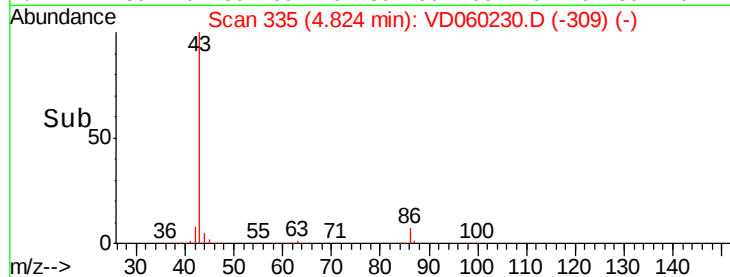
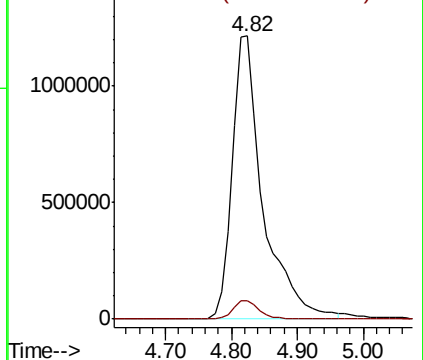
apatel

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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: 23.484 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.05 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

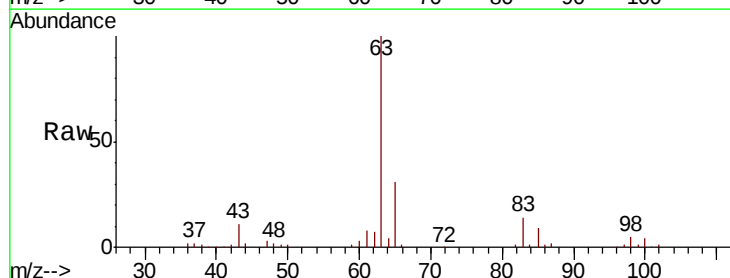
Tgt Ion: 63 Resp: 608398

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

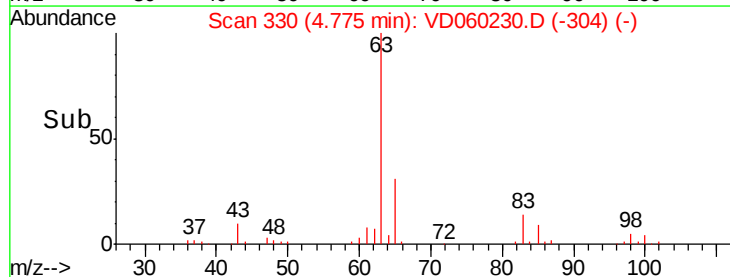
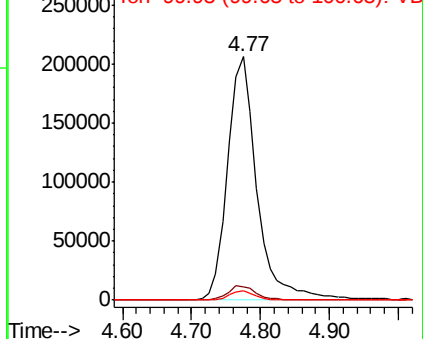
100 3.7 1.8 5.3

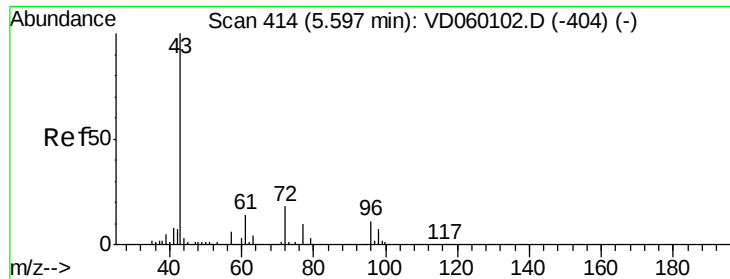


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 135.013 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 700608

Ion Ratio Lower Upper

43 100

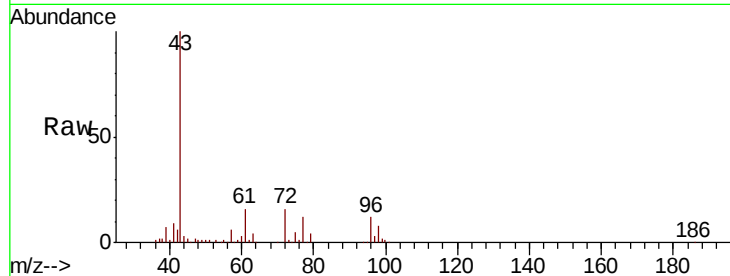
72 16.5 14.5 21.7

Manual Integrations

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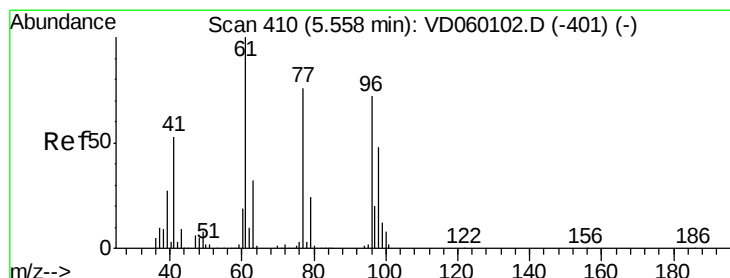
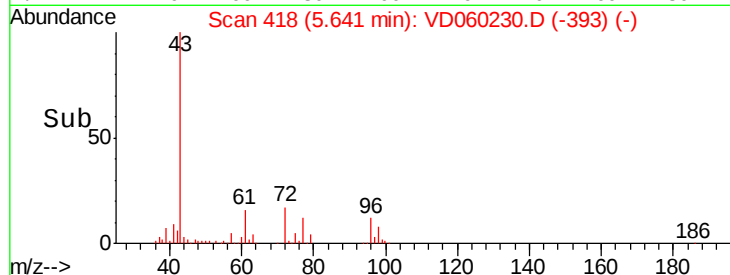
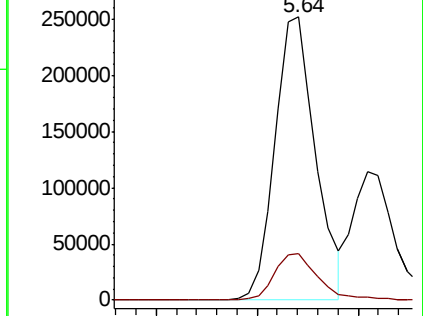
apatel

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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: 24.900 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.04 min

Lab File: VD060230.D

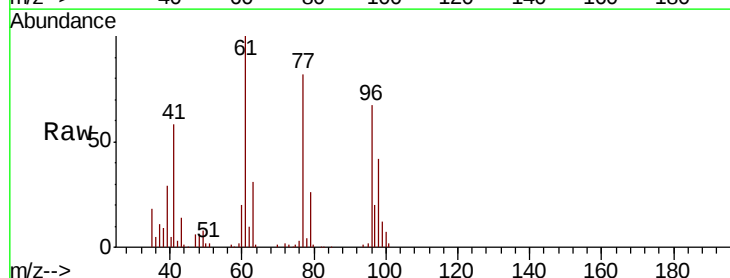
Acq: 29 Oct 2018 15:45

Tgt Ion: 77 Resp: 489041

Ion Ratio Lower Upper

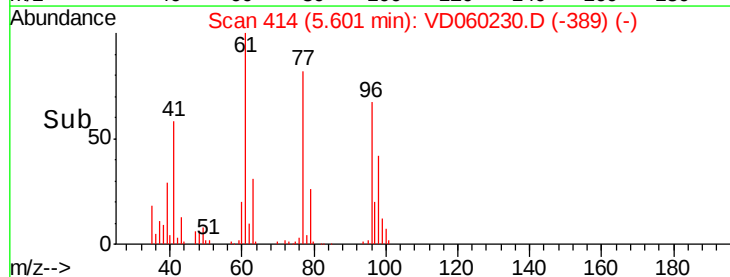
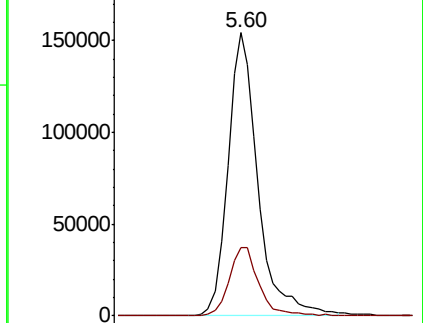
77 100

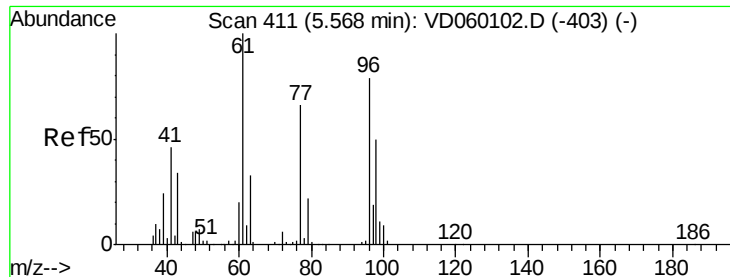
97 24.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

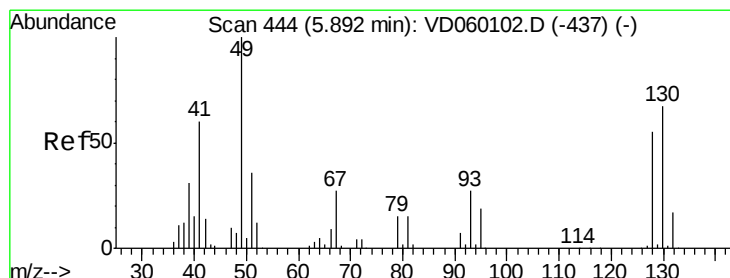
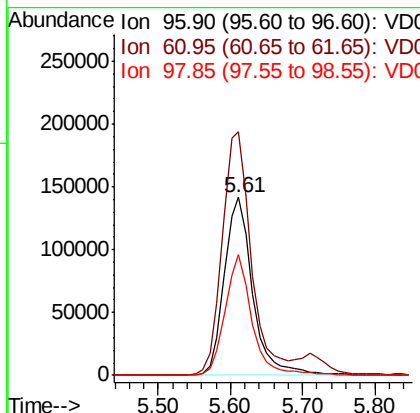
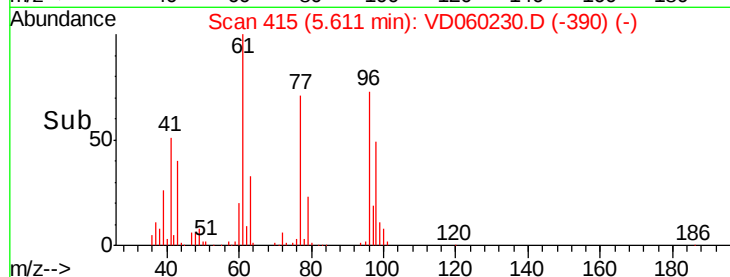
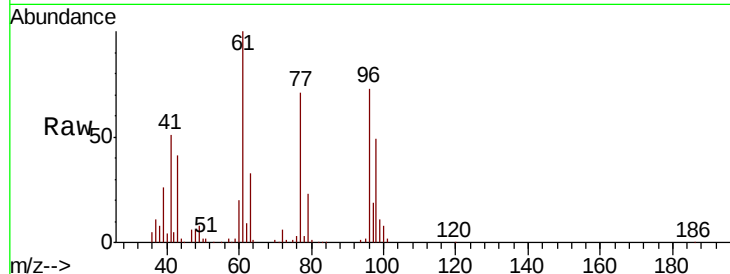
cis-1,2-Dichloroethene
Concen: 22.870 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.7	0.0	251.8	
98	67.5	0.0	125.2	

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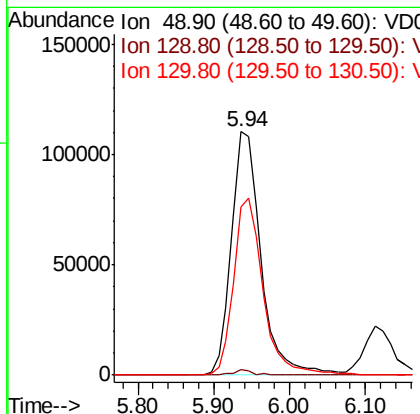
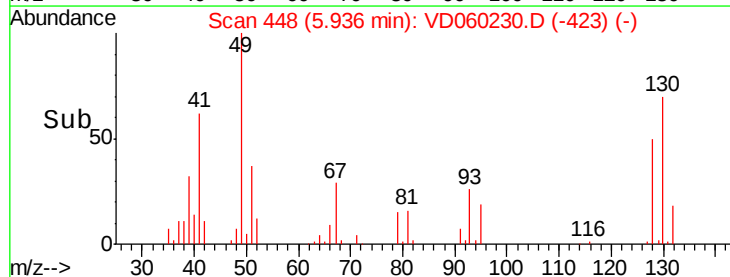
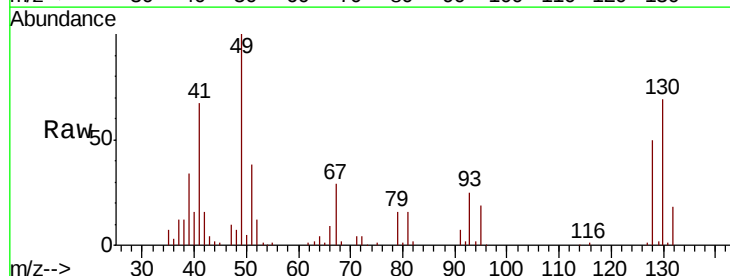
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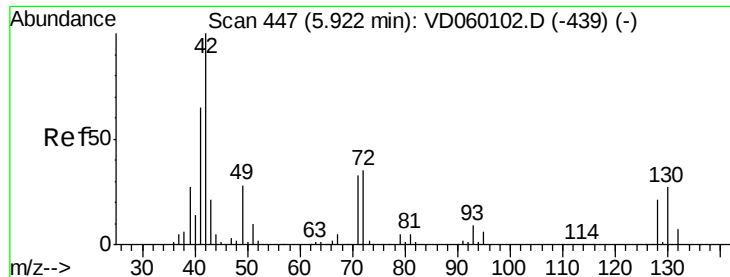


#28

Bromochloromethane
Concen: 23.678 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.6	
130	68.9	53.9	80.9	





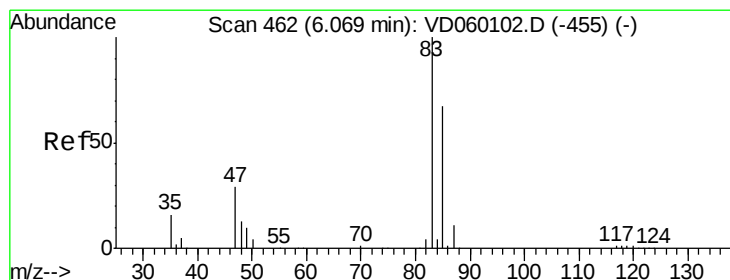
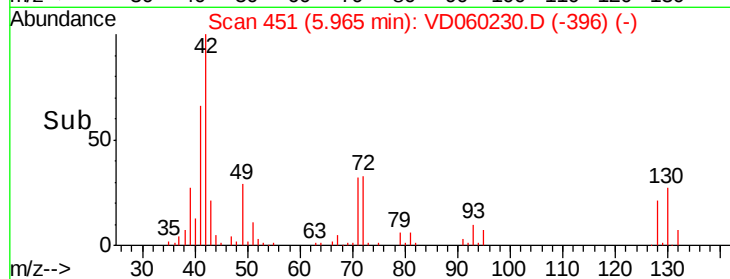
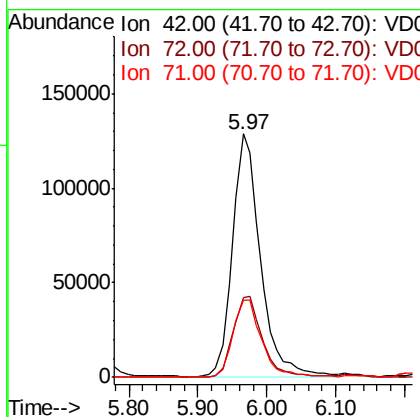
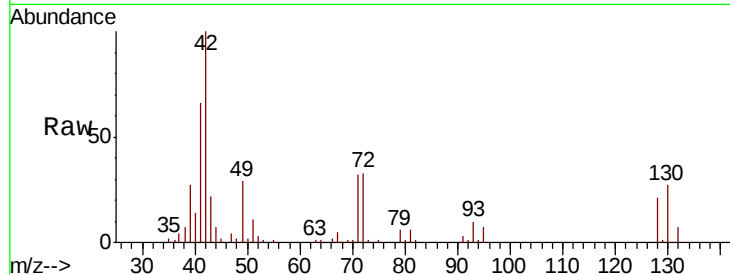
#29
Tetrahydrofuran
Concen: 121.379 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	26.9	40.3
71	32.5	26.7	40.1

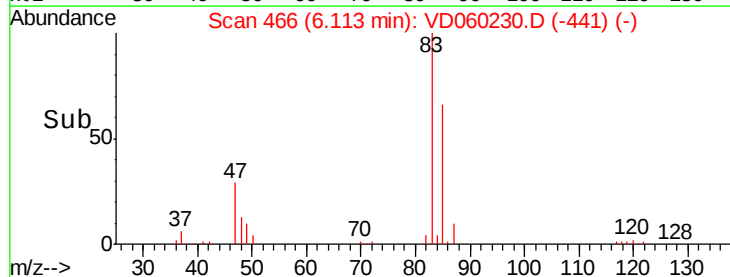
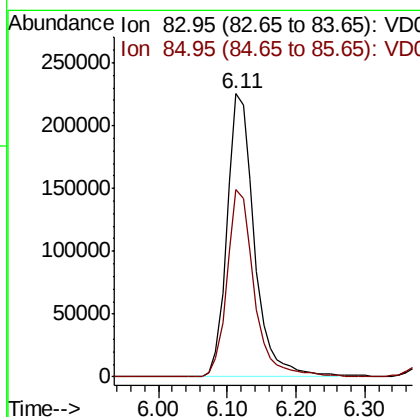
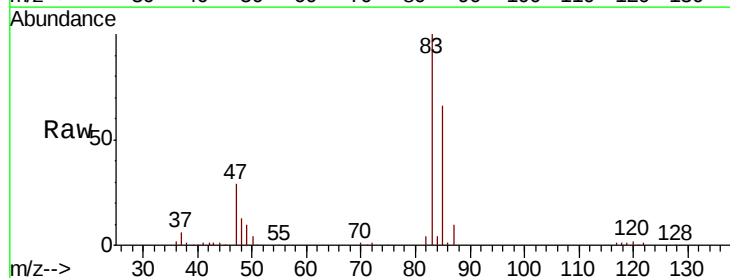
Manual Integrations
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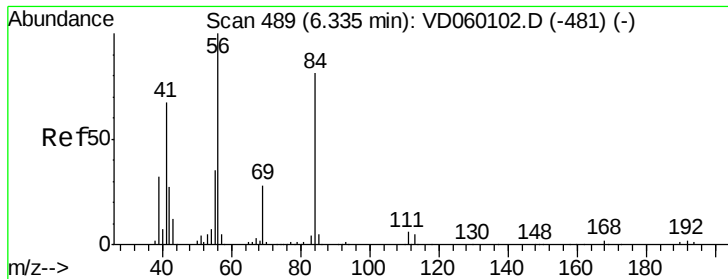
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#30
Chloroform
Concen: 23.605 ug/l
RT: 6.11 min Scan# 466
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.8	80.8





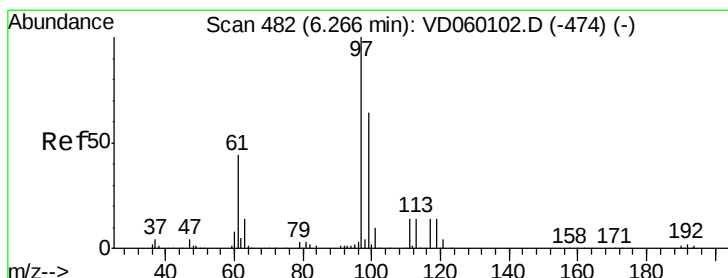
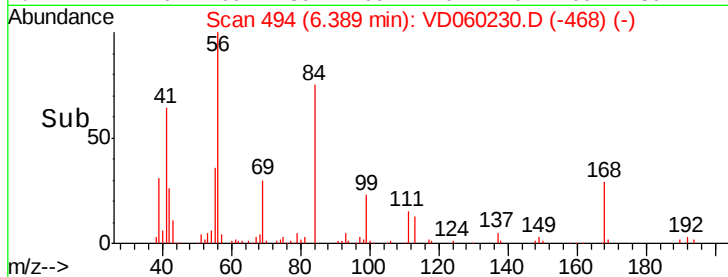
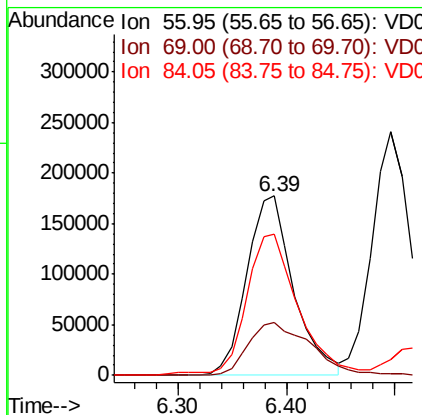
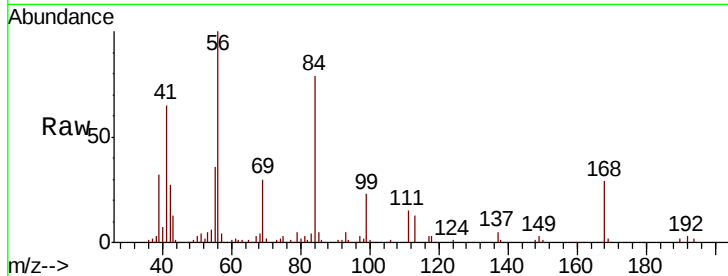
#31
Cvclohexane
Concen: 21.604 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	22.8	34.2
84	78.6	64.9	97.3

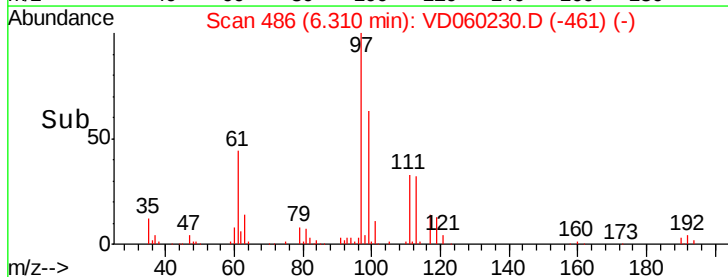
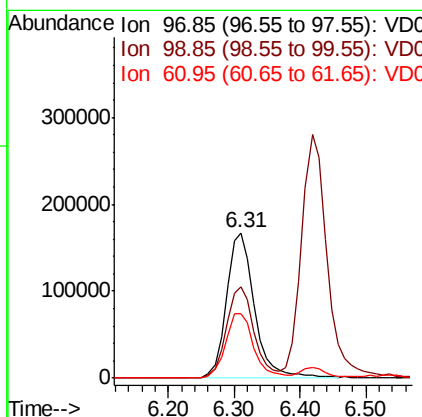
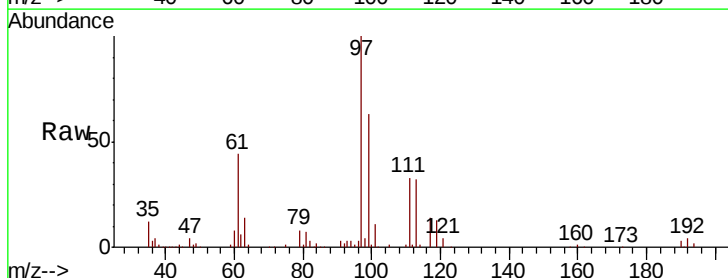
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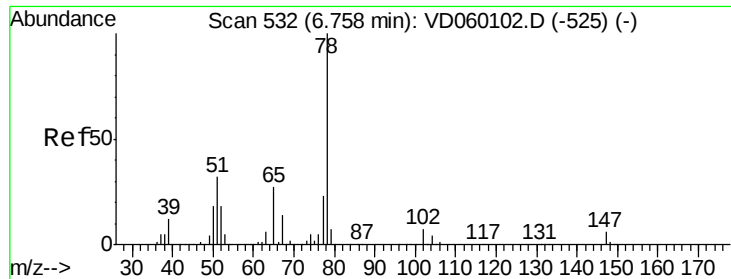
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#32
1,1,1-Trichloroethane
Concen: 23.132 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.4	77.0
61	44.4	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 23.132 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 65 Resp: 642985

Ion Ratio Lower Upper

65 100

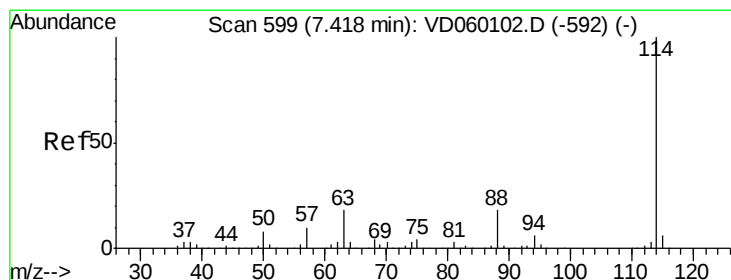
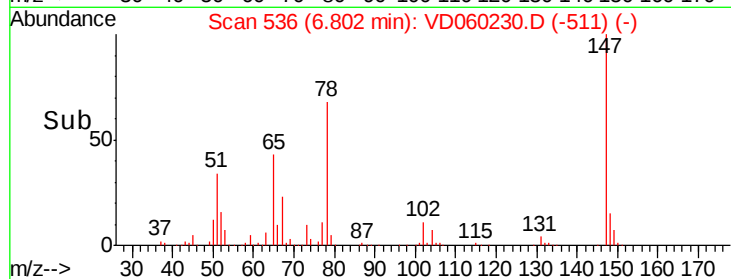
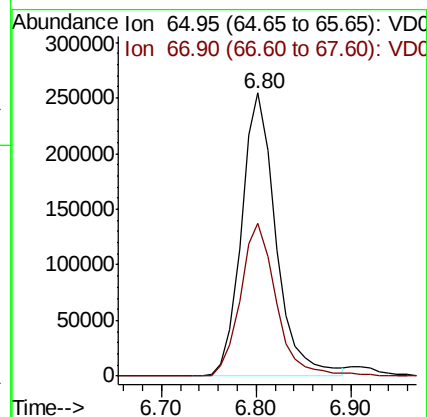
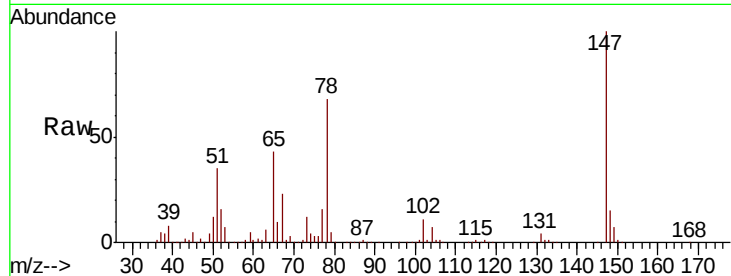
67 53.9 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

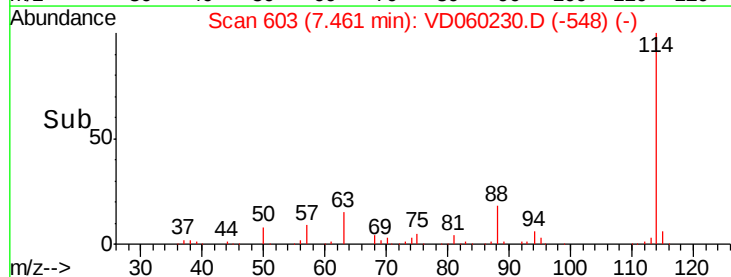
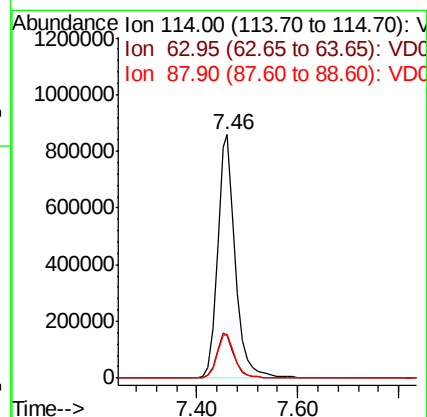
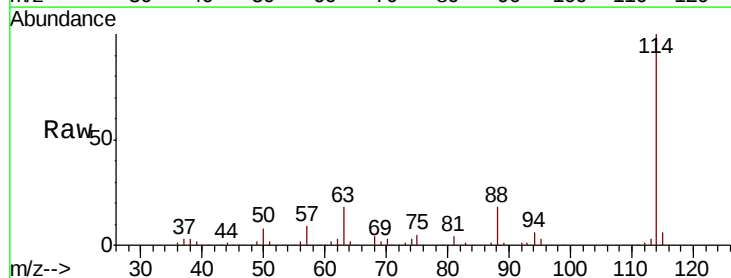
Tgt Ion: 114 Resp: 2119124

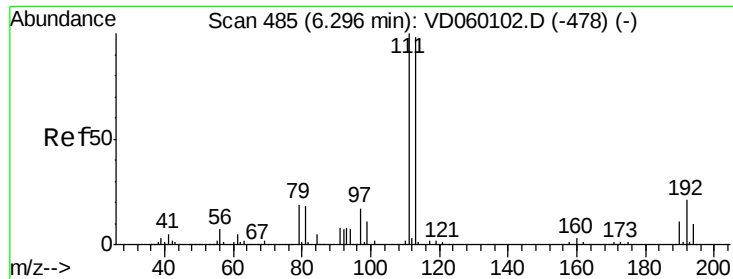
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.0

88 18.0 0.0 36.2





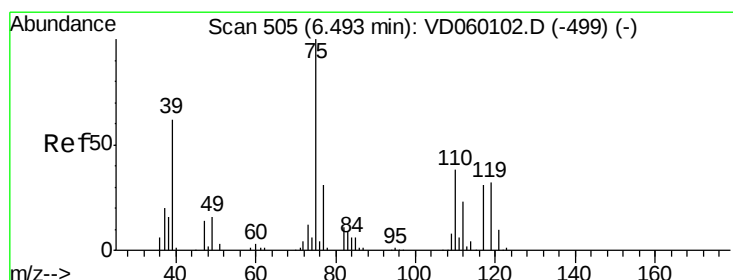
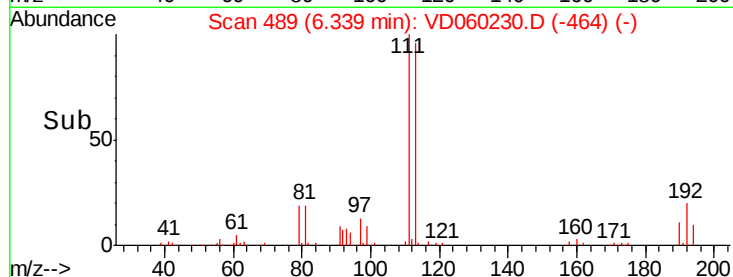
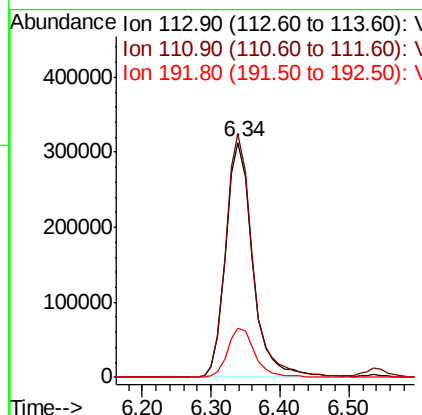
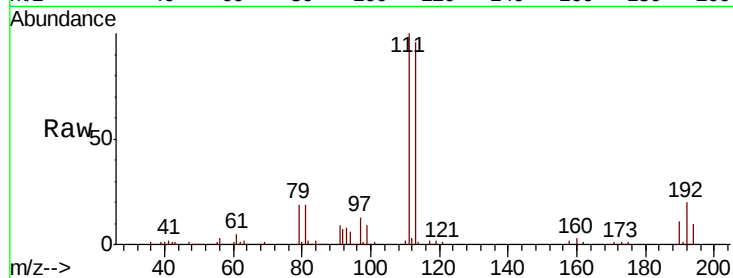
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	81.5	122.3	
192	21.0	17.4	26.0	

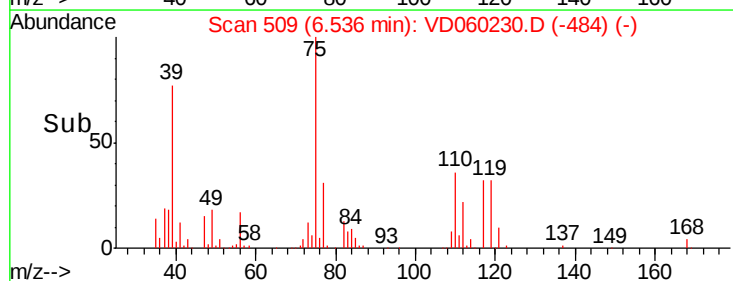
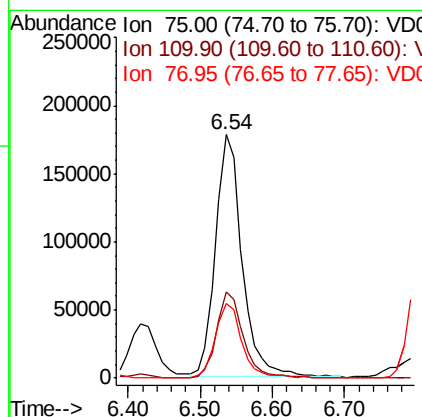
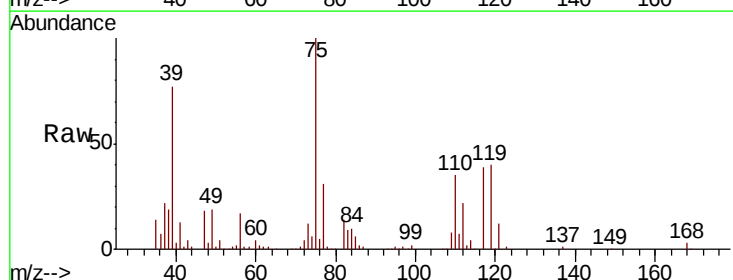
Manual Integrations
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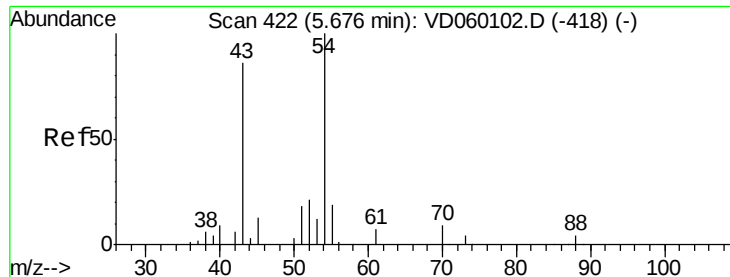
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#36
 1,1-Dichloropropene
 Concen: 22.386 ug/l
 RT: 6.54 min Scan# 509
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.4	19.0	57.0	
77	30.5	24.9	37.3	





#37

Ethyl Acetate

Concen: 24.856 ug/l

RT: 5.71 min Scan# 425

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

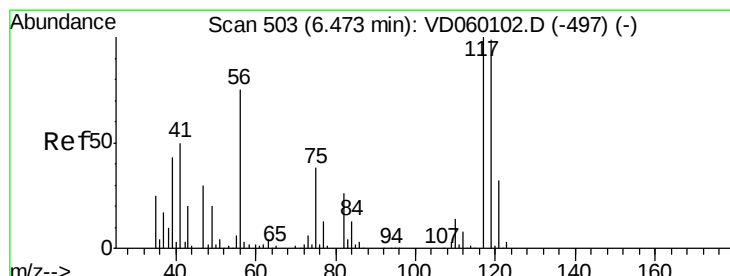
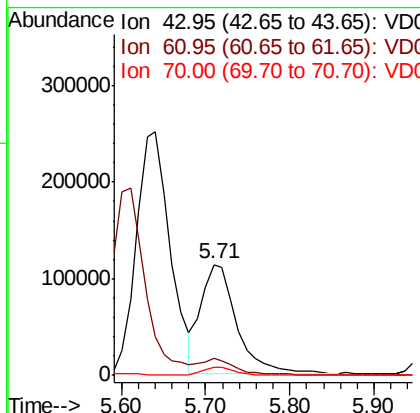
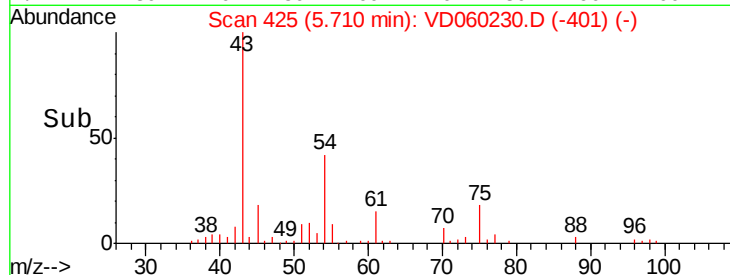
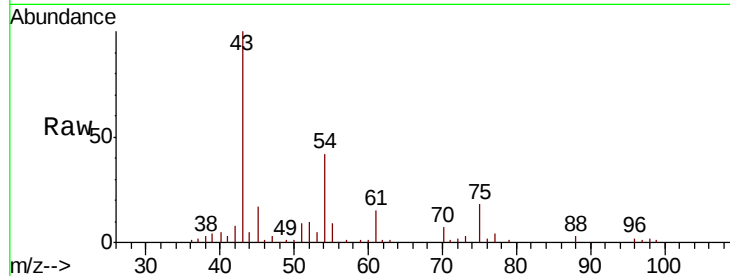
ClientSampleId :

VD1029SBS01

Tot Ion:	43	Resp:	334100
Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.5	15.7
70	7.0	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 22.507 ug/l

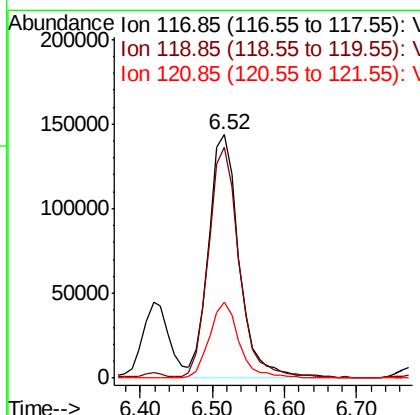
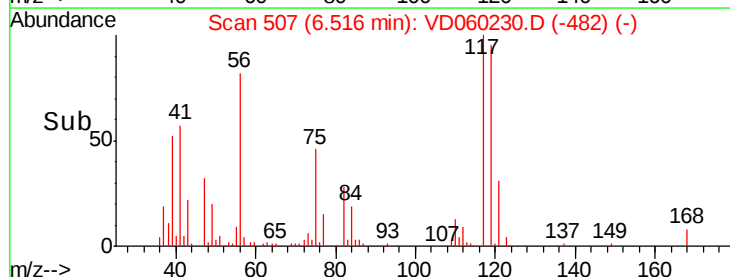
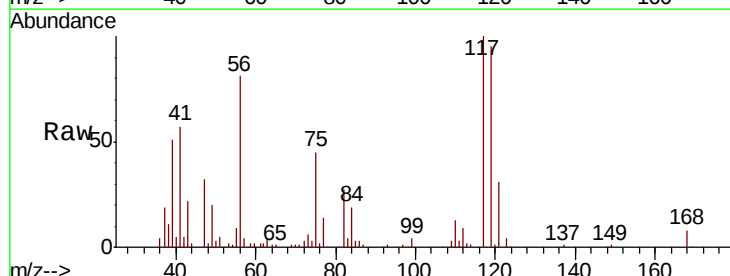
RT: 6.52 min Scan# 507

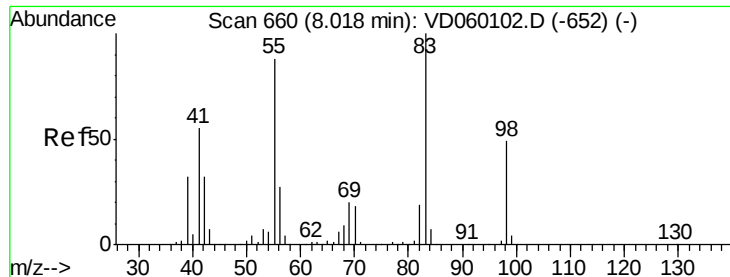
Delta R.T. 0.04 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion:	117	Resp:	413668
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.6
121	31.3	24.8	37.2





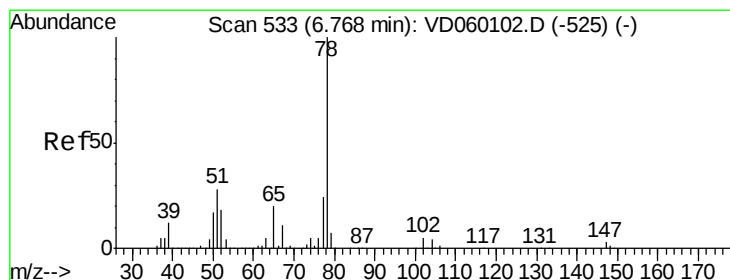
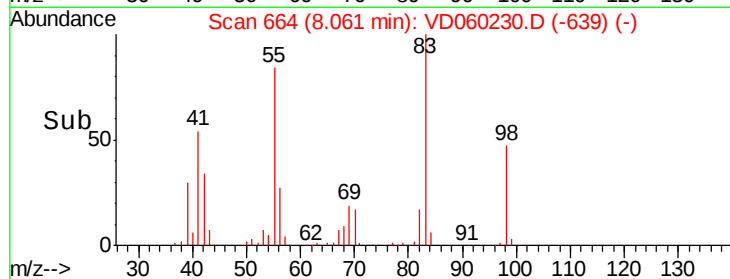
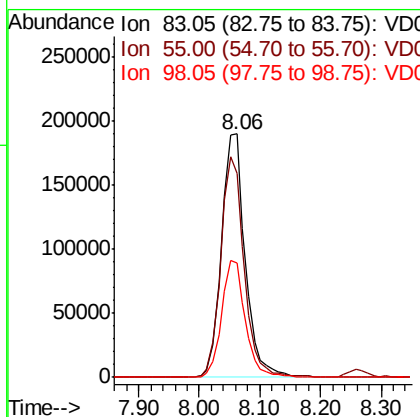
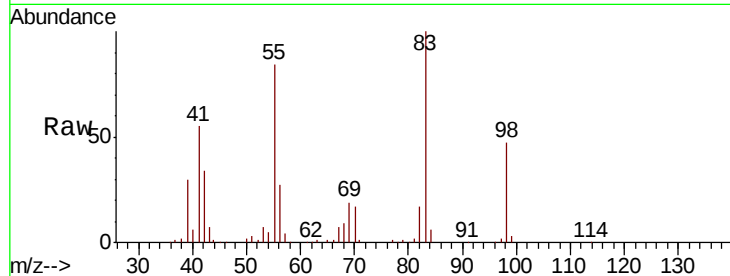
#39
Methvlcvclohexane
Concen: 22.489 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	70.5	105.7
98	47.1	39.4	59.2

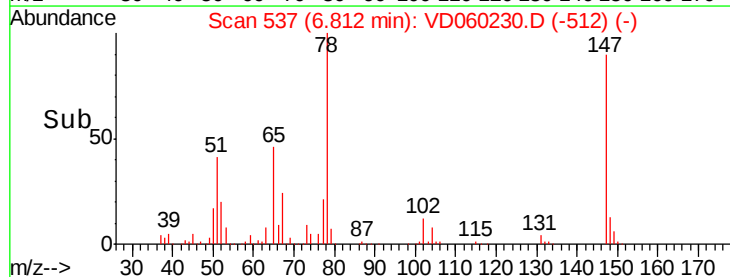
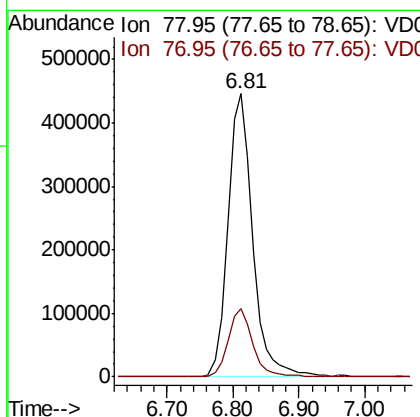
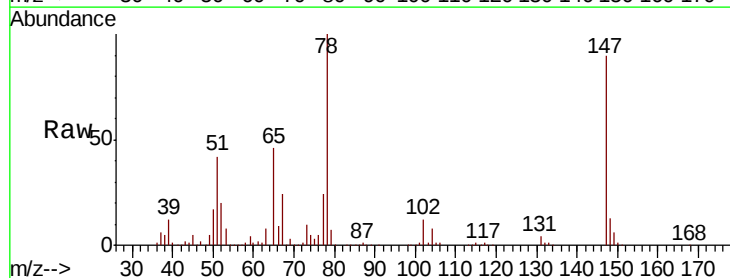
Manual Integrations
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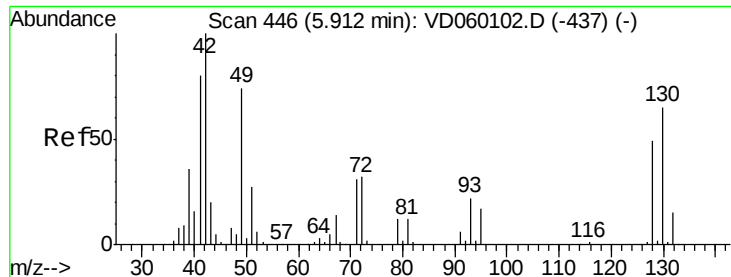
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#40
Benzene
Concen: 22.201 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





#41

Methacrylonitrile

Concen: 21.145 ug/l m

RT: 5.94 min Scan# 448

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 41 Resp: 160641

Ion Ratio Lower Upper

41 100

39 50.6 36.0 54.0

67 42.9 13.9 20.9#

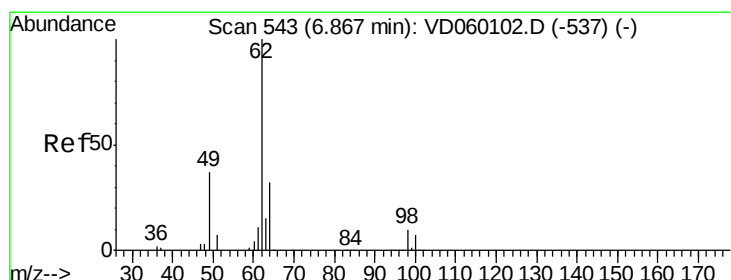
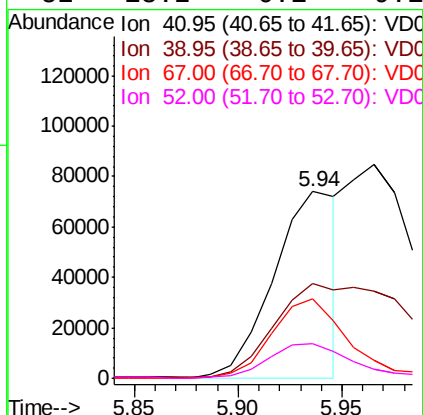
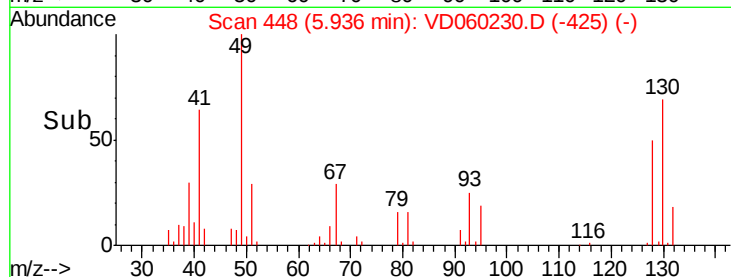
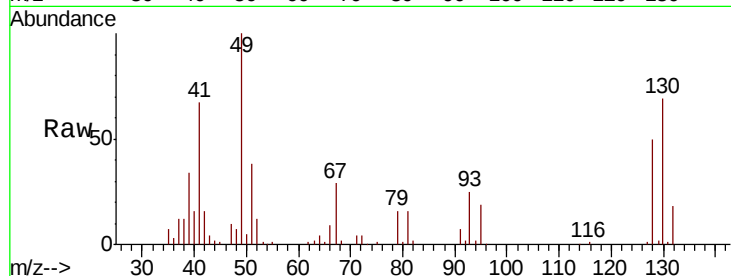
52 18.2 6.1 9.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 23.673 ug/l

RT: 6.91 min Scan# 547

Delta R.T. 0.04 min

Lab File: VD060230.D

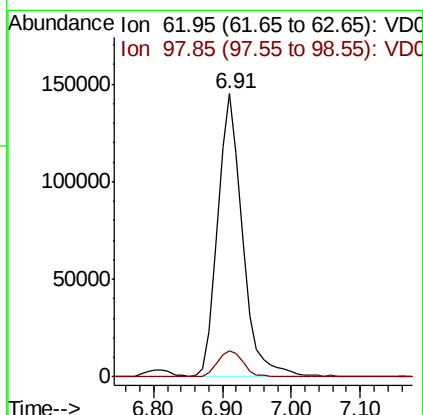
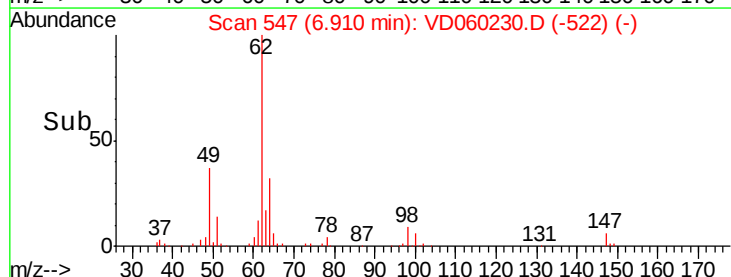
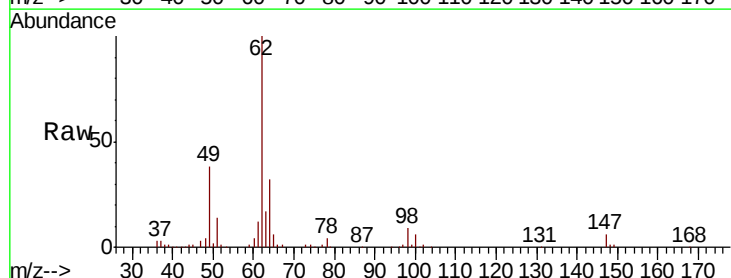
Acq: 29 Oct 2018 15:45

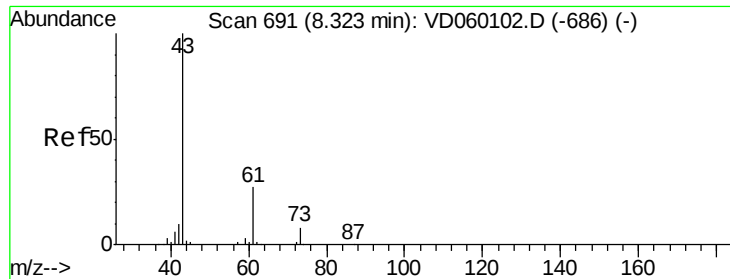
Tgt Ion: 62 Resp: 359557

Ion Ratio Lower Upper

62 100

98 9.1 0.0 20.6





#43

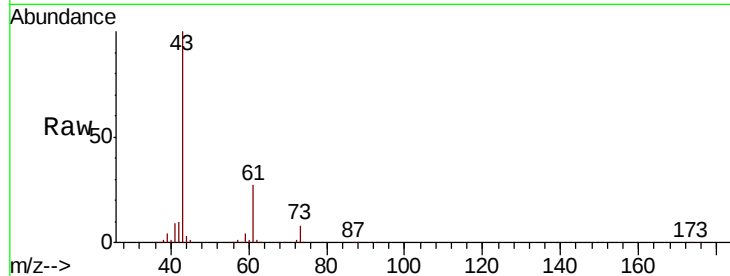
Isopropyl Acetate
 Concen: 23.632 ug/l
 RT: 8.37 min Scan# 695
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

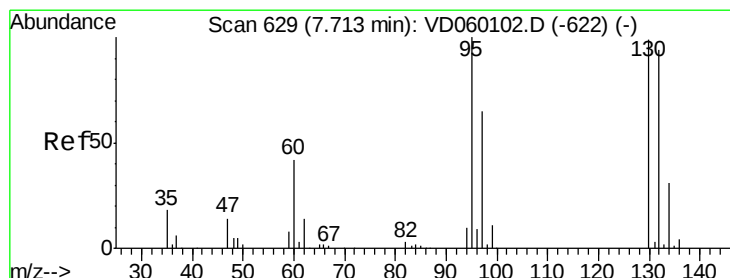
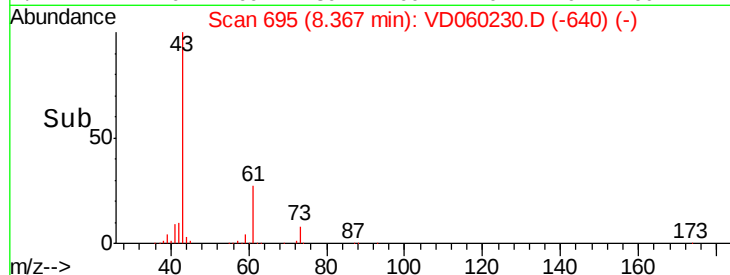
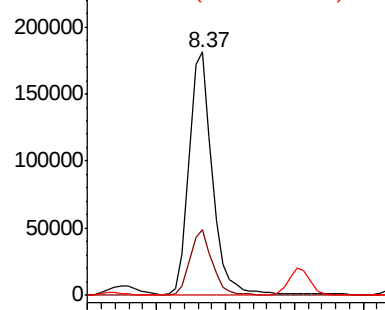
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2
87	0.2	0.2	0.2

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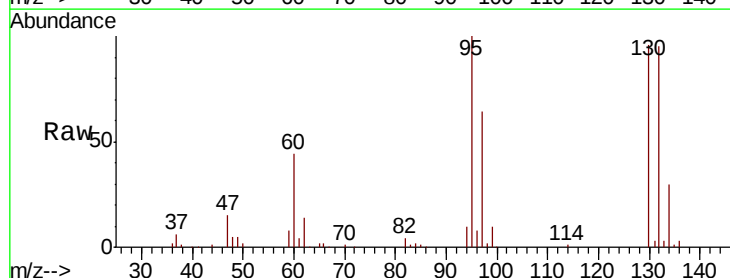
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



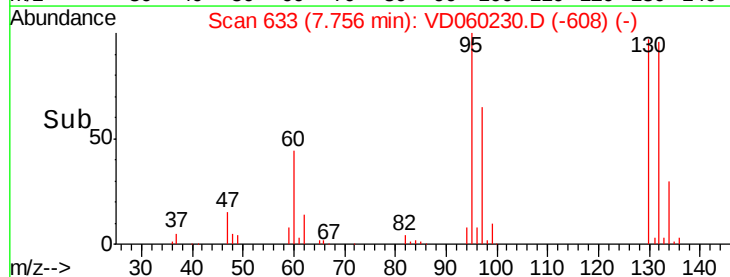
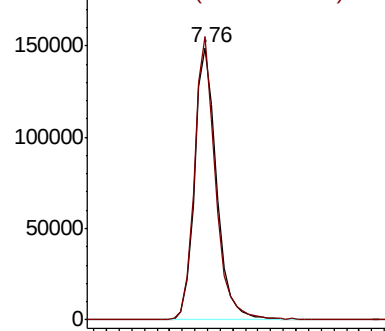
#44

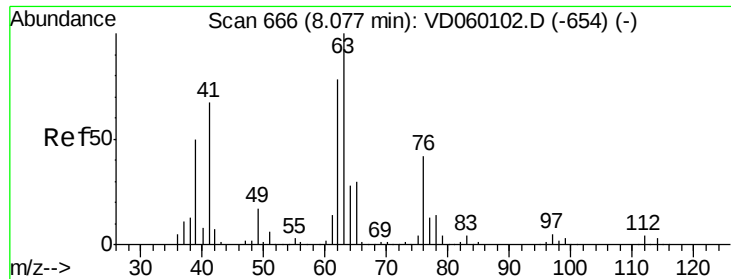
Trichloroethene
 Concen: 22.046 ug/l
 RT: 7.76 min Scan# 633
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	202.2



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





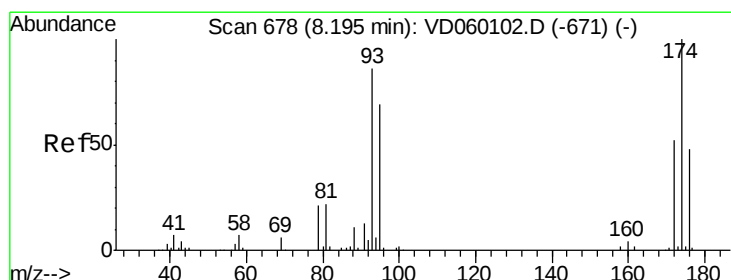
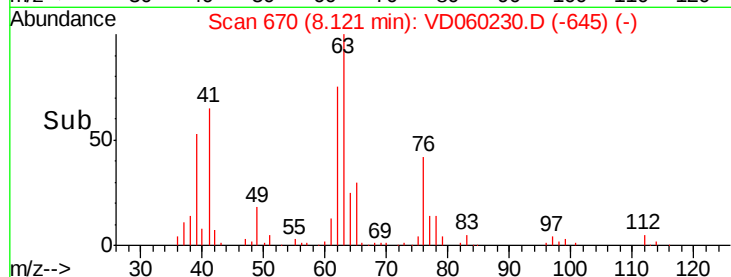
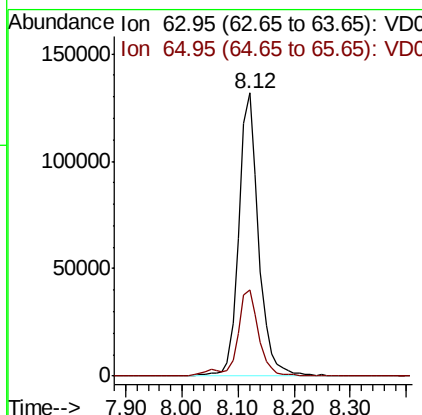
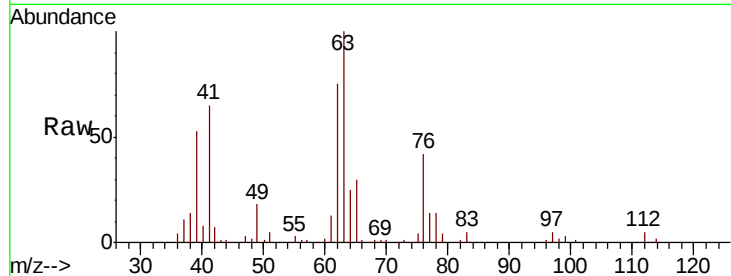
#45
 1,2-Dichloropropane
 Concen: 23.256 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. 0.04 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.1	36.1

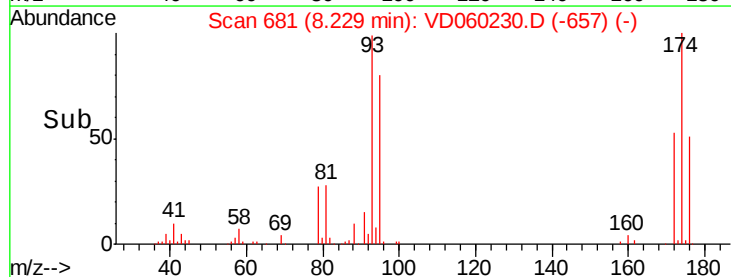
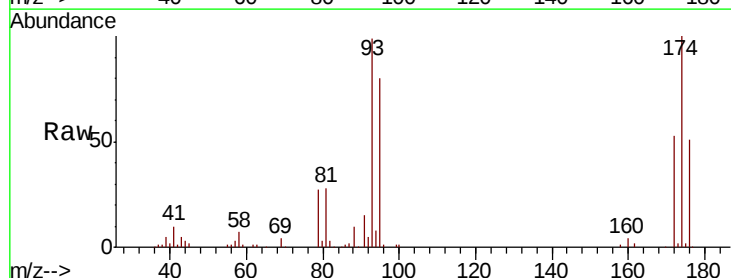
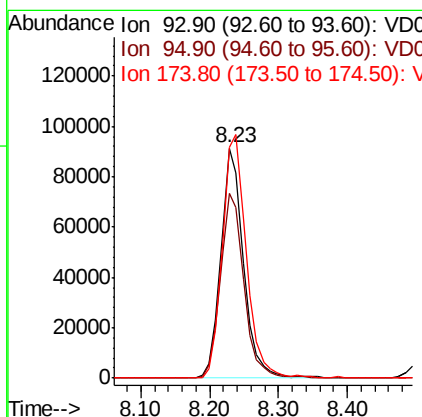
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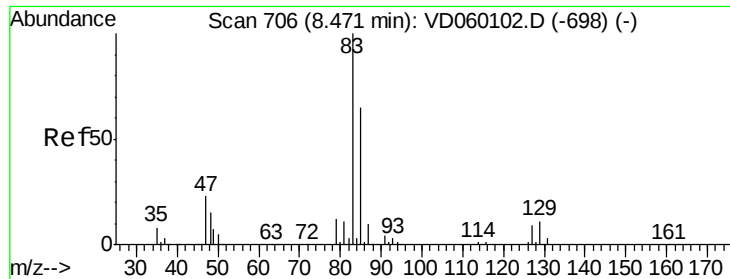
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#46
 Dibromomethane
 Concen: 23.110 ug/l
 RT: 8.23 min Scan# 681
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	63.8	95.6
174	100.6	92.9	139.3





#47

Bromodichloromethane

Concen: 23.187 ug/l

RT: 8.50 min Scan# 709

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

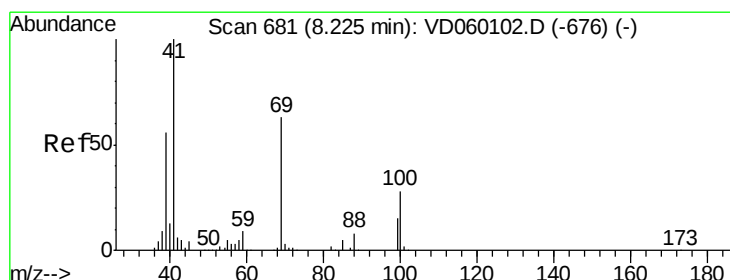
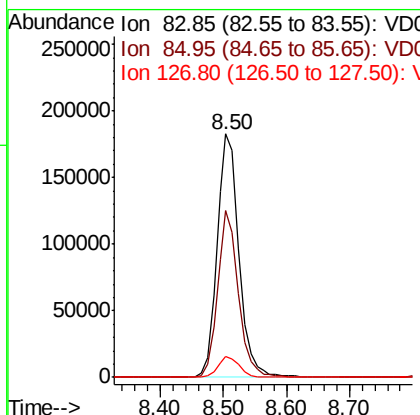
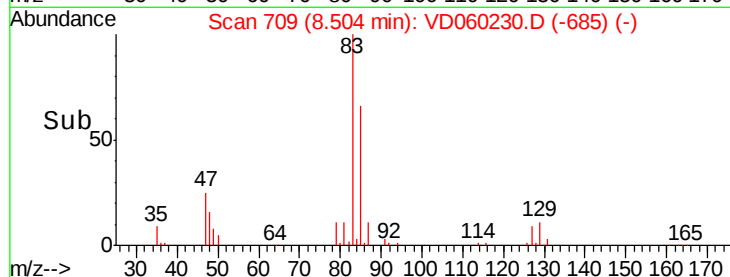
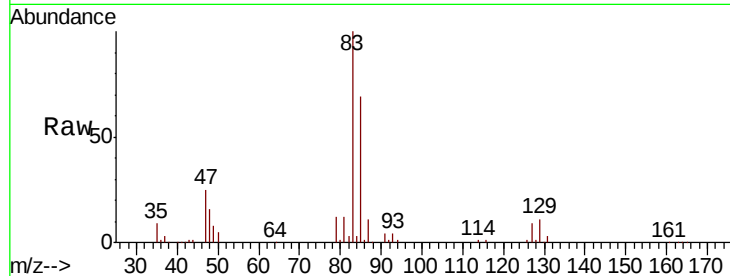
ClientSampleId :

VD1029SBSD01

Tot Ion:	83	Resp:	443699
Ion	Ratio	Lower	Upper
83	100		
85	68.6	52.2	78.2
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 24.118 ug/l

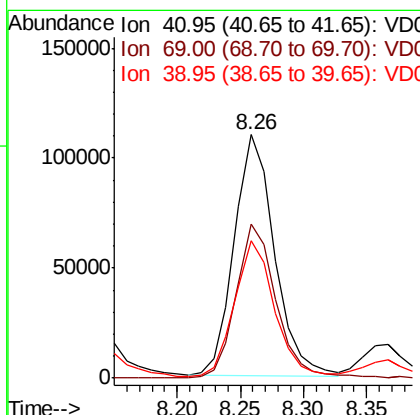
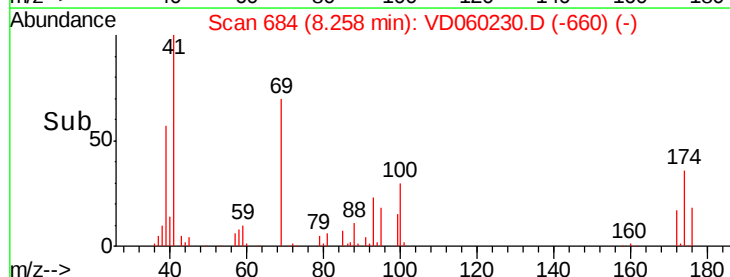
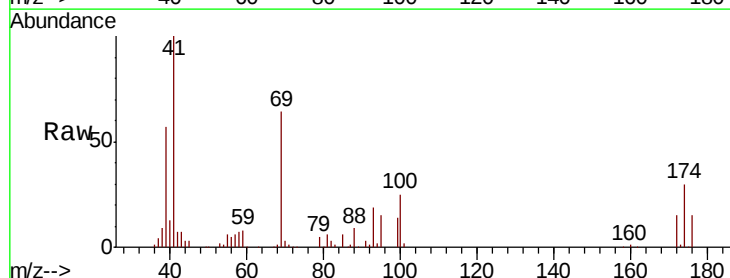
RT: 8.26 min Scan# 684

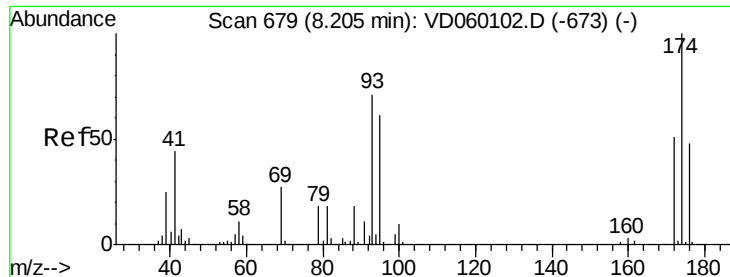
Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion:	41	Resp:	242932
Ion	Ratio	Lower	Upper
41	100		
69	63.5	49.7	74.5
39	56.6	45.2	67.8





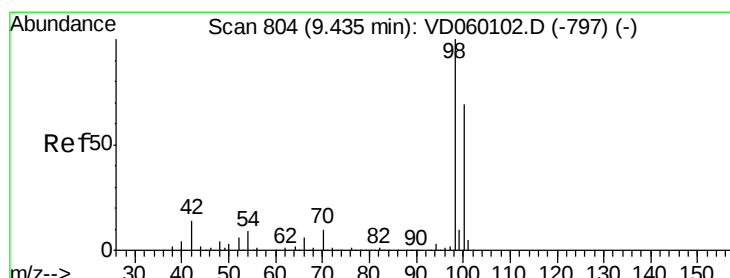
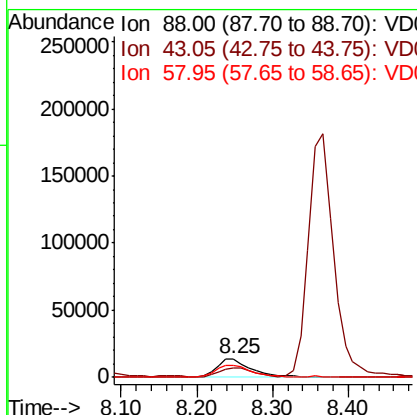
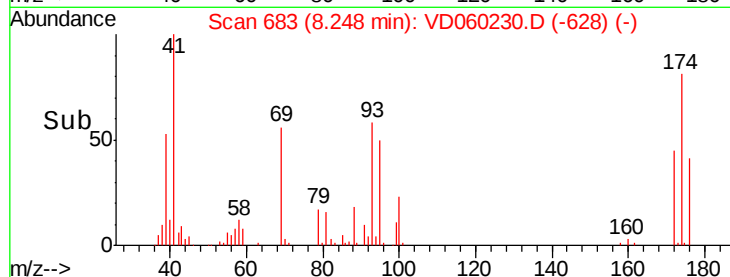
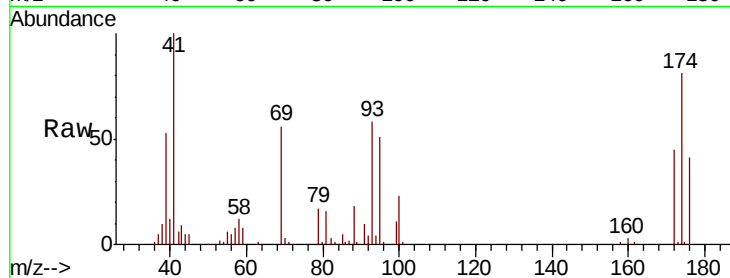
#49
1,4-Dioxane
Concen: 451.226 ug/l
RT: 8.25 min Scan# 683
Delta R.T. 0.04 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	88	Resp	44720
Ion Ratio	100	Lower	Upper
88	100		
43	52.2	33.7	50.5#
58	67.1	49.1	73.7

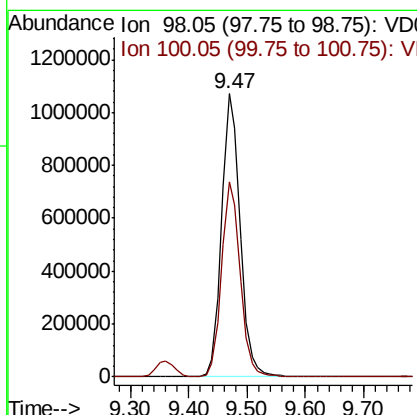
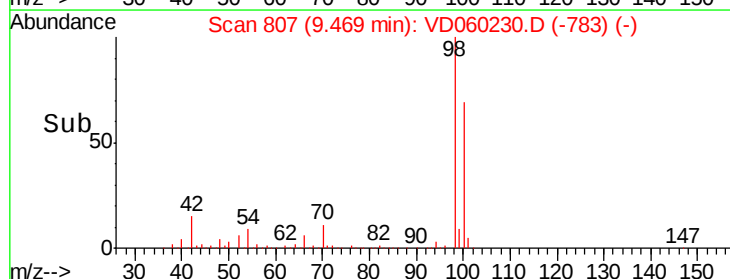
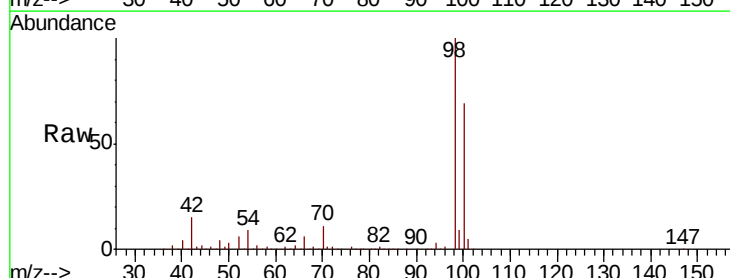
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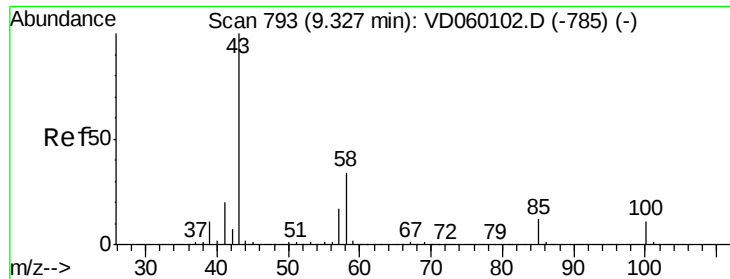
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#50
Toluene-d8
Concen: 451.226 ug/l
RT: 9.47 min Scan# 807
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	98	Resp	2368428
Ion Ratio	100	Lower	Upper
98	100		
100	68.8	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 125.652 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 1401459

Ion Ratio Lower Upper

43 100

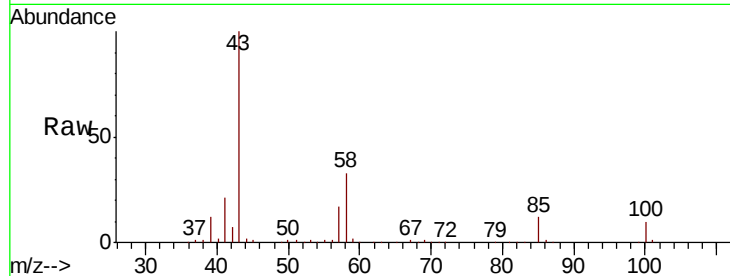
58 33.0 27.2 40.8

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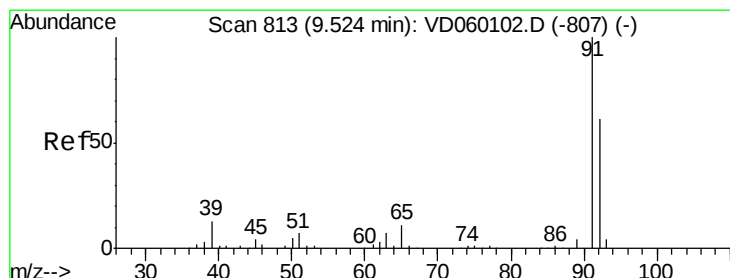
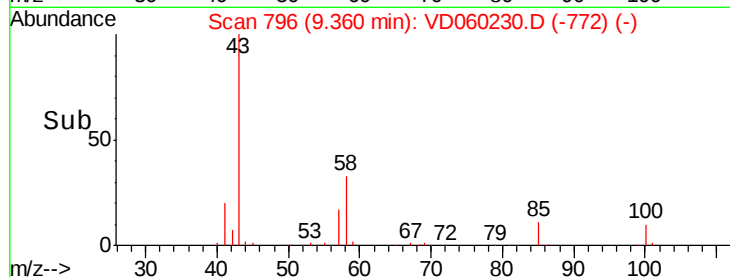
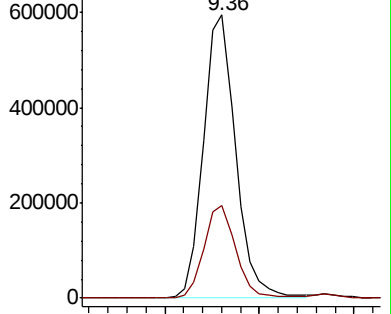
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.314 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.04 min

Lab File: VD060230.D

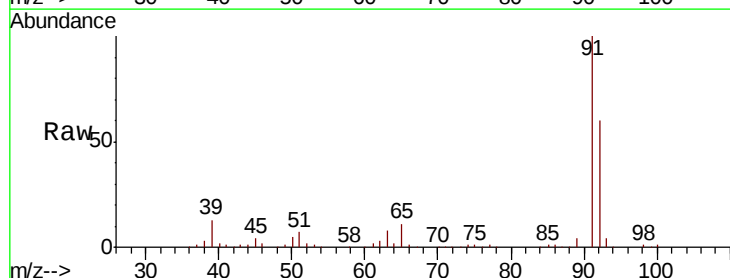
Acq: 29 Oct 2018 15:45

Tgt Ion: 92 Resp: 761345

Ion Ratio Lower Upper

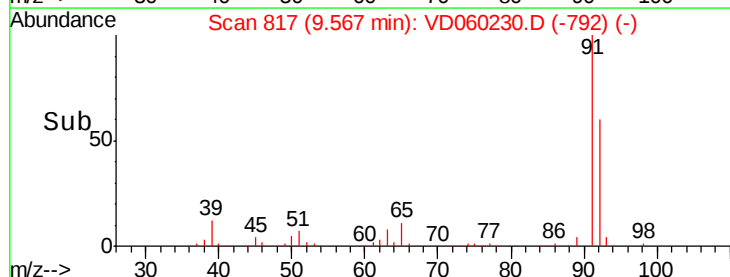
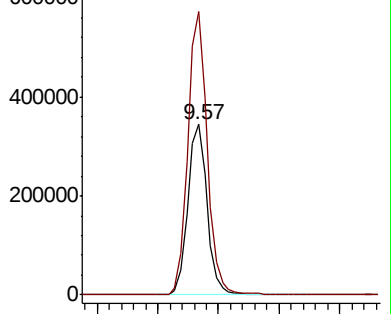
92 100

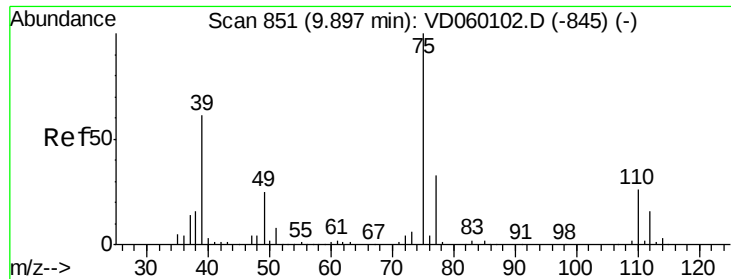
91 166.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.730 ug/l

RT: 9.93 min Scan# 854

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 75 Resp: 410875

Ion Ratio Lower Upper

75 100

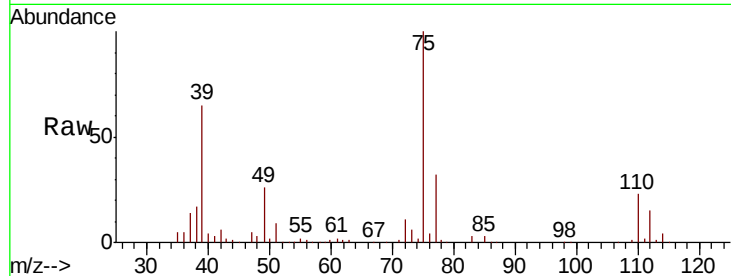
77 32.2 26.2 39.2

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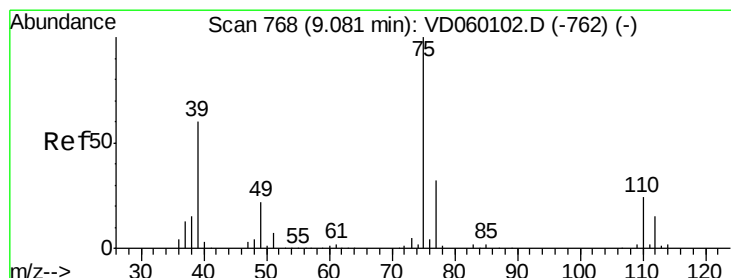
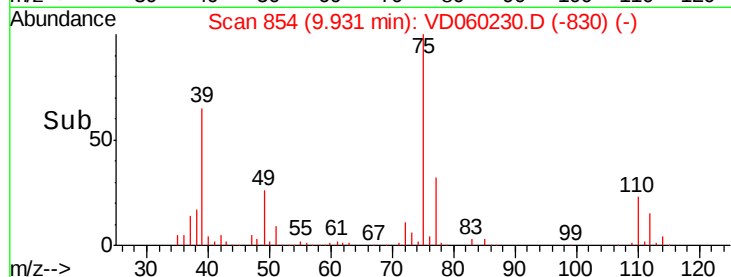
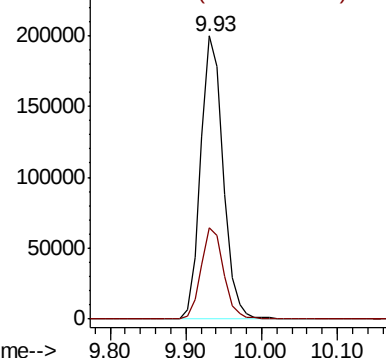
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 23.230 ug/l

RT: 9.11 min Scan# 771

Delta R.T. 0.03 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

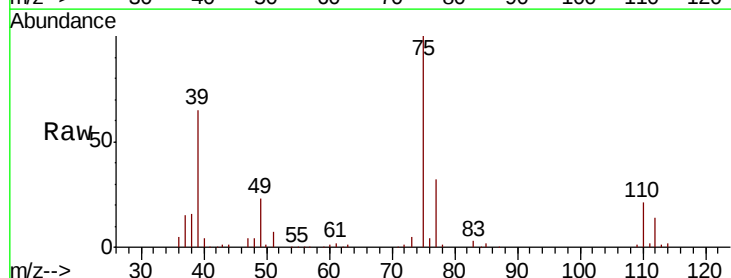
Tgt Ion: 75 Resp: 496690

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

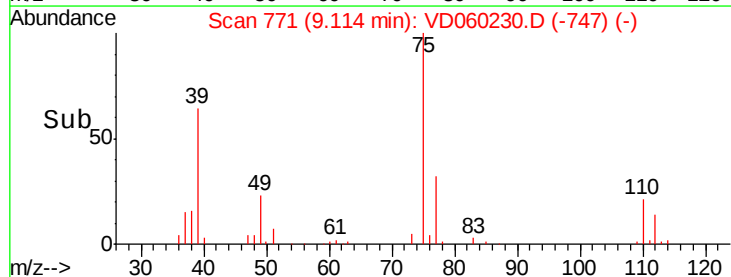
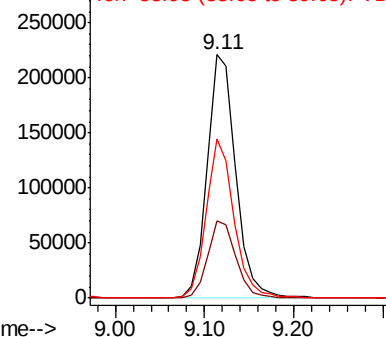
39 65.2 48.2 72.4

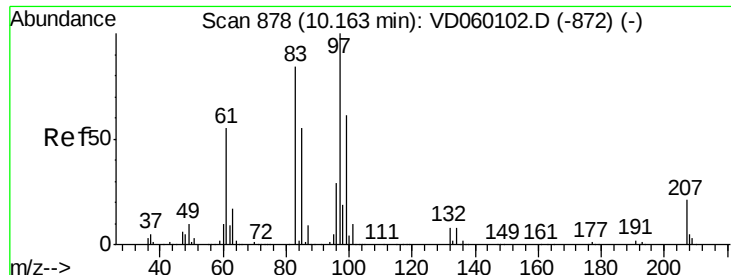


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





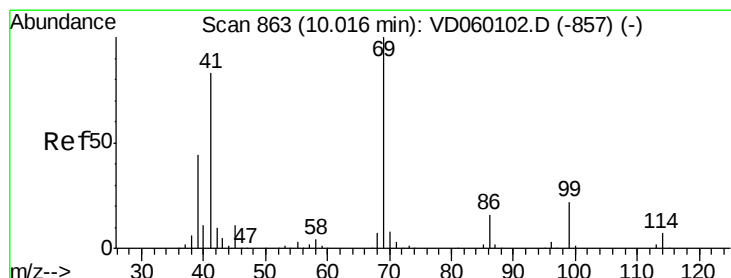
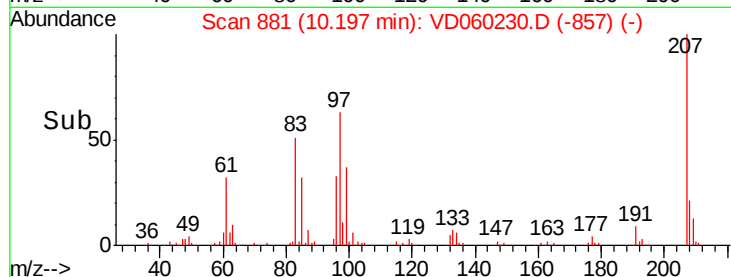
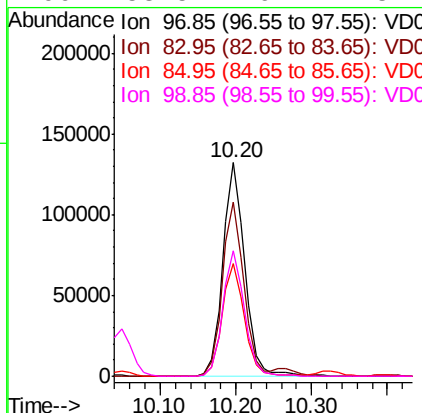
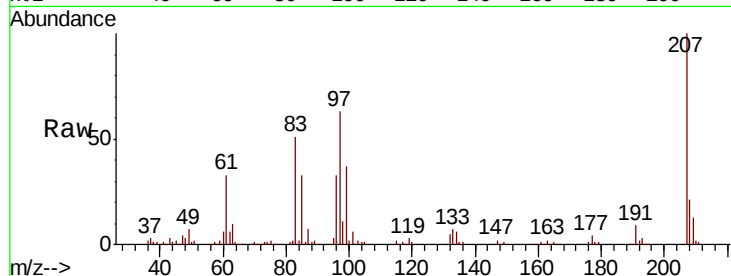
#55
 1,1,2-Trichloroethane
 Concen: 23.660 ug/l
 RT: 10.20 min Scan# 881
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		263904		
83	81.7	67.0	100.6		
85	52.5	43.9	65.9		
99	58.5	49.1	73.7		

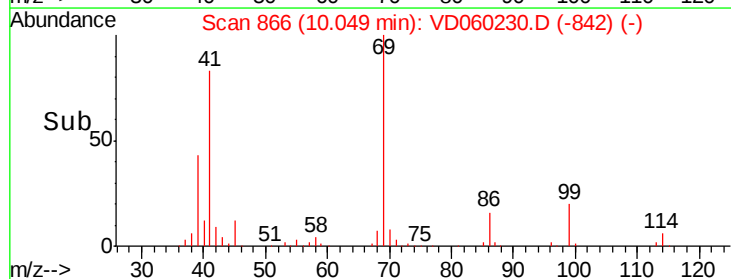
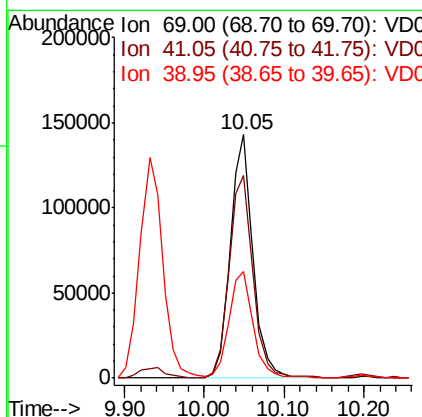
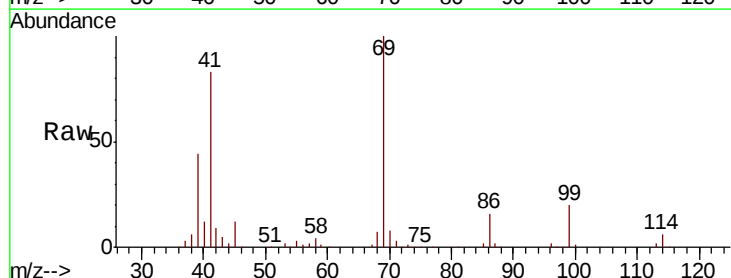
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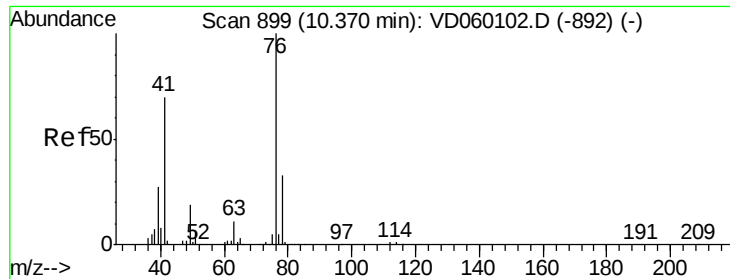
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#56
 Ethyl methacrylate
 Concen: 23.091 ug/l
 RT: 10.05 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		284308		
41	83.4	66.6	100.0		
39	43.7	36.0	54.0		





#57

1,3-Dichloropropane

Concen: 23.742 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 76 Resp: 403889

Ion Ratio Lower Upper

76 100

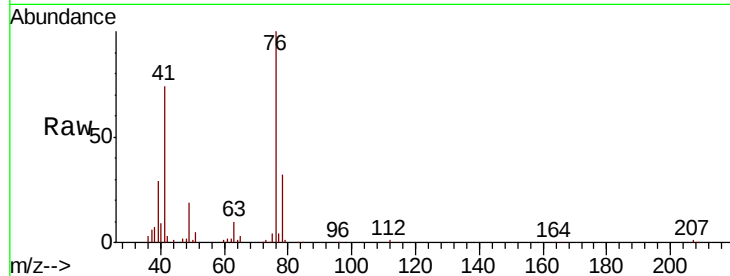
78 31.6 26.2 39.2

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

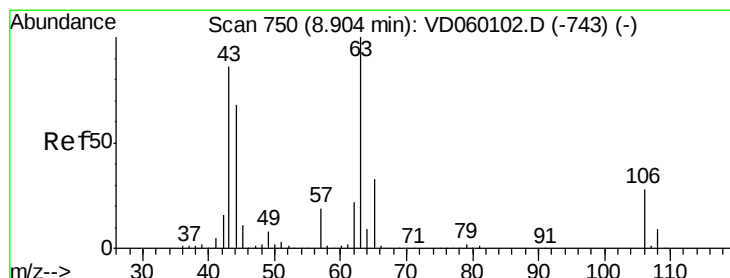
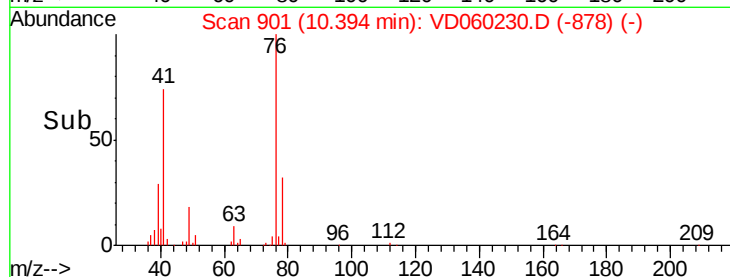
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 117.042 ug/l

RT: 8.94 min Scan# 753

Delta R.T. 0.03 min

Lab File: VD060230.D

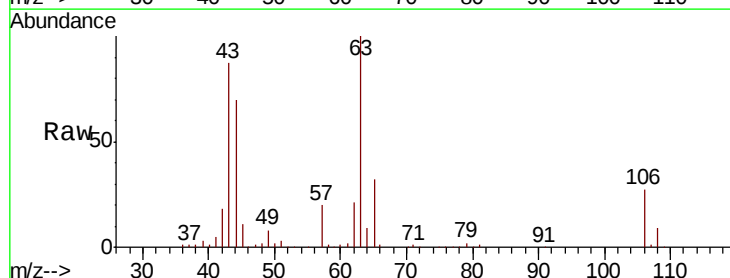
Acq: 29 Oct 2018 15:45

Tgt Ion: 63 Resp: 800248

Ion Ratio Lower Upper

63 100

106 27.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

400000

300000

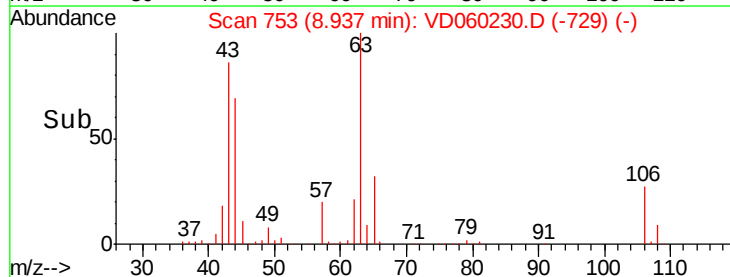
200000

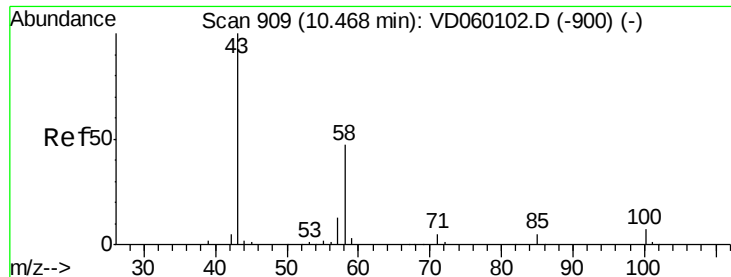
100000

0

8.80 8.90 9.00 9.10

Time-->





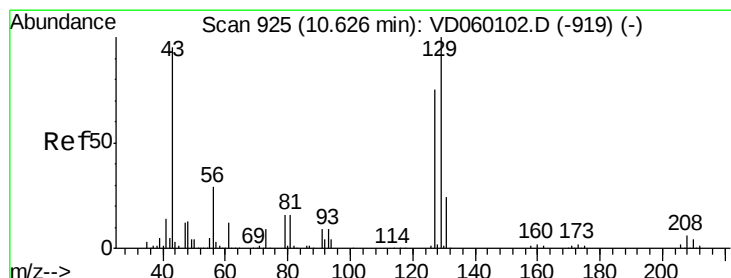
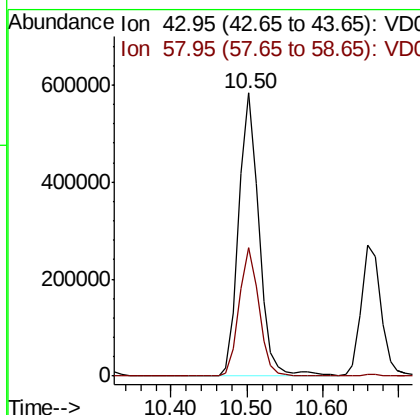
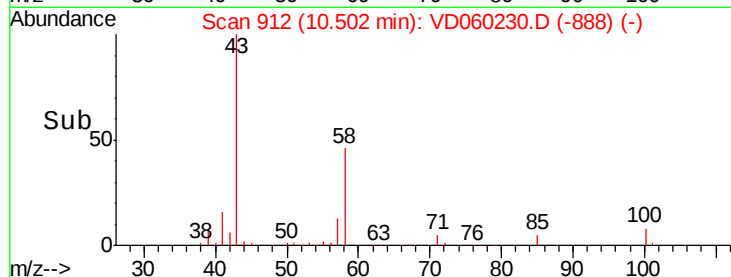
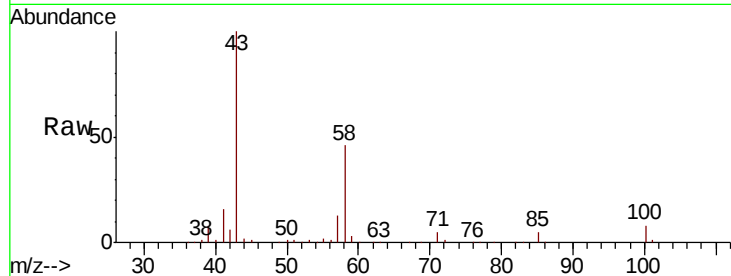
#59
2-Hexanone
Concen: 133.780 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 43 Resp: 1072947
Ion Ratio Lower Upper
43 100
58 45.6 23.3 69.9

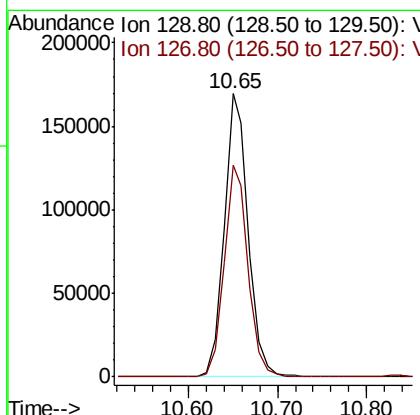
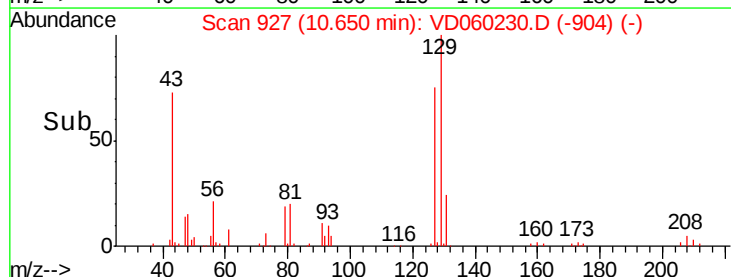
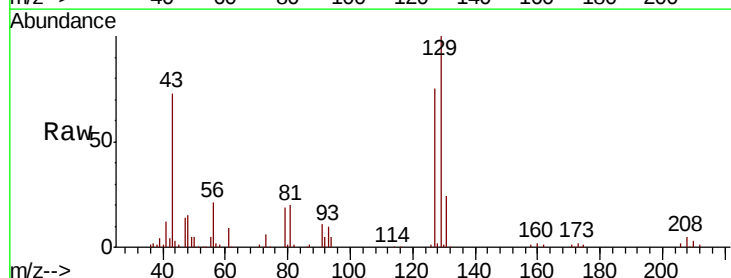
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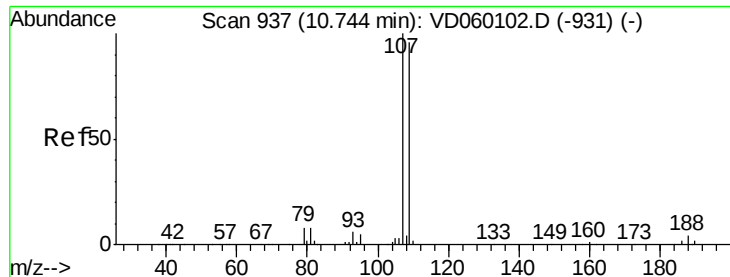
apatel
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#60
Dibromochloromethane
Concen: 23.247 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 129 Resp: 318144
Ion Ratio Lower Upper
129 100
127 74.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 23.107 ug/l

RT: 10.77 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

Tot Ion: 107 Resp: 273852

Ion Ratio Lower Upper

107 100

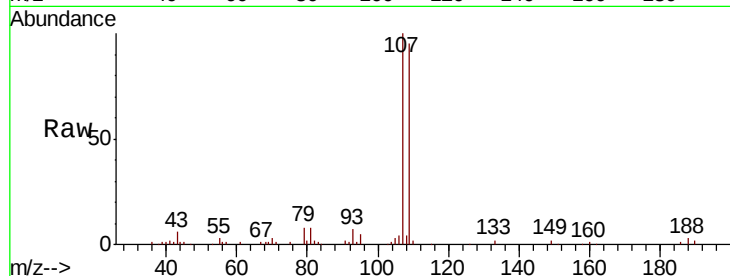
109 95.3 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

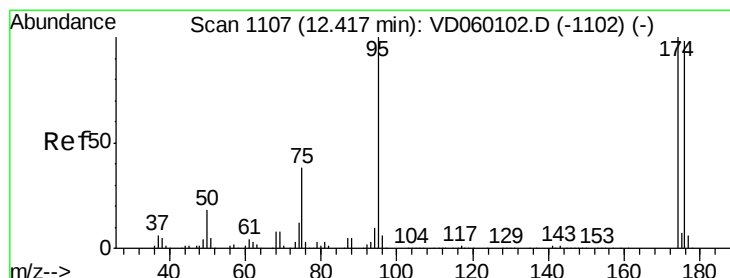
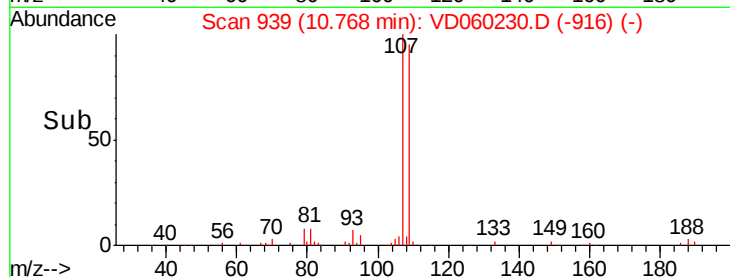
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 23.107 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

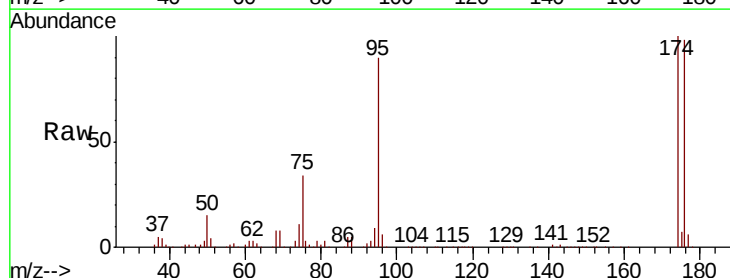
Tgt Ion: 95 Resp: 912331

Ion Ratio Lower Upper

95 100

174 111.6 0.0 200.2

176 109.6 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

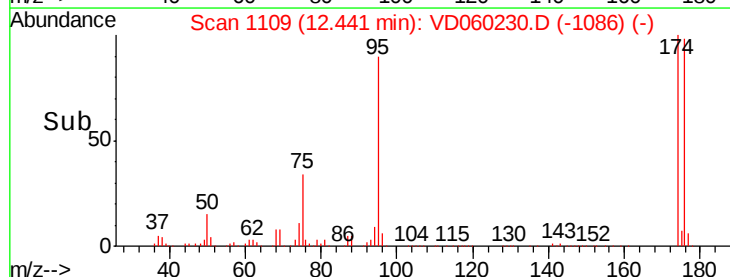
600000

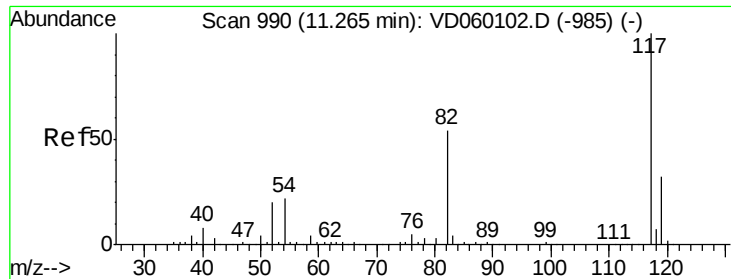
400000

200000

0

Time-->





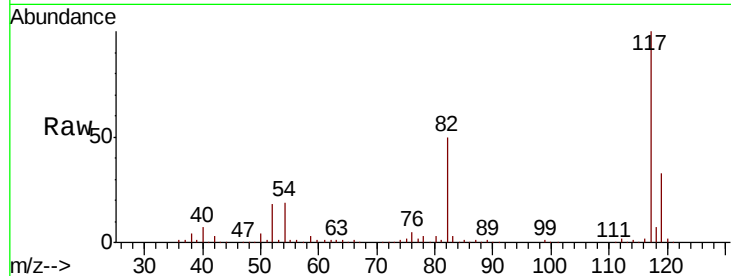
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

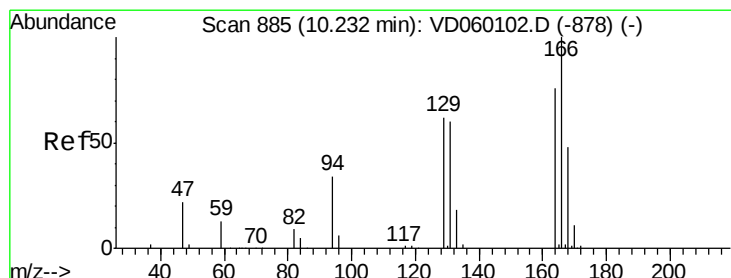
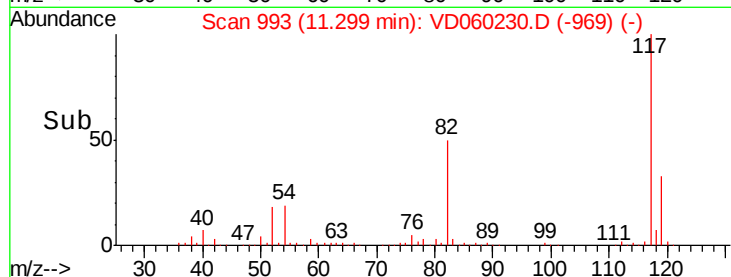
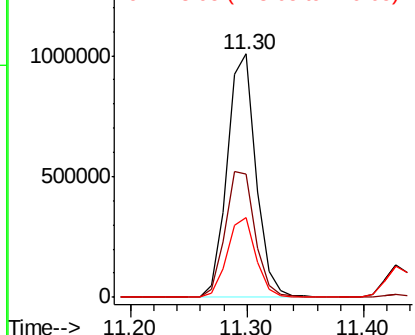
Tot Ion:117 Resp: 1725054
Ion Ratio Lower Upper
117 100
82 50.5 43.4 65.2
119 32.5 26.0 39.0

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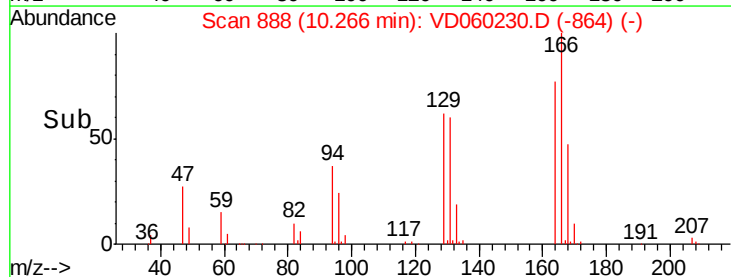
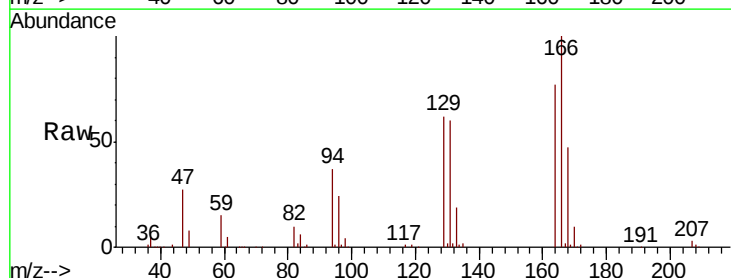
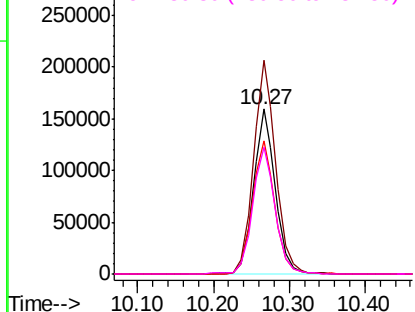
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

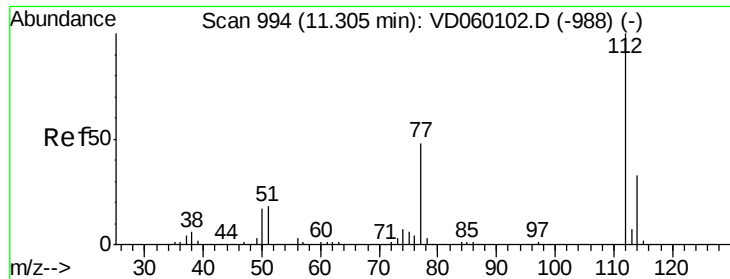


#64
Tetrachloroethene
Concen: 21.271 ug/l
RT: 10.27 min Scan# 888
Delta R.T. 0.03 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:164 Resp: 321383
Ion Ratio Lower Upper
164 100
166 129.7 105.4 158.0
129 80.8 65.7 98.5
131 77.2 62.9 94.3

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





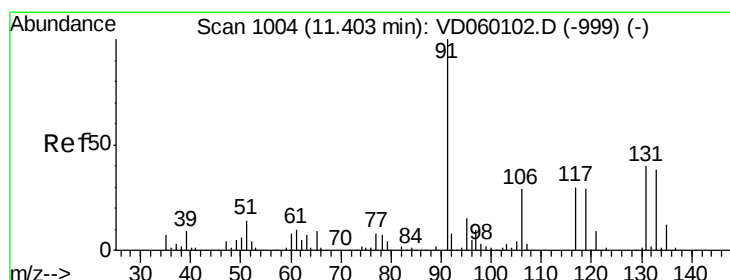
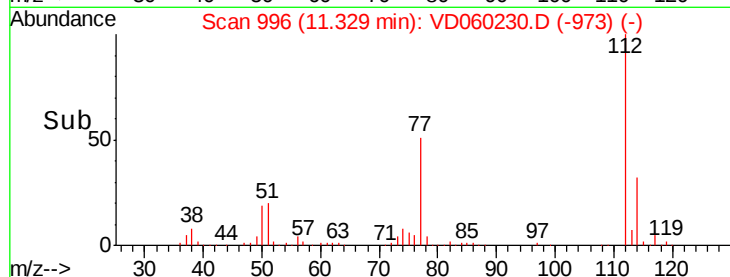
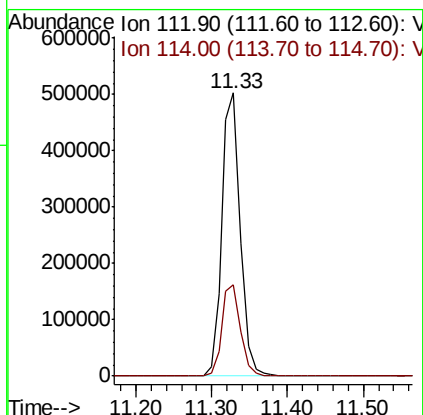
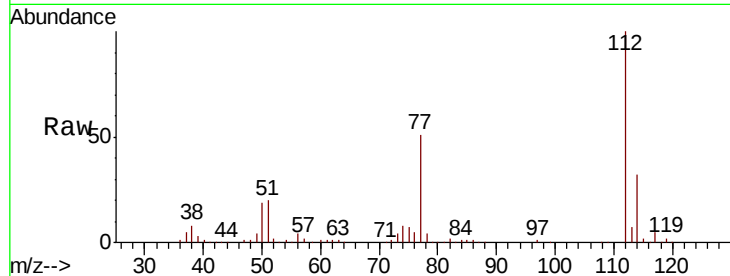
#65
Chlorobenzene
Concen: 22.768 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion:112 Resp: 849667
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0

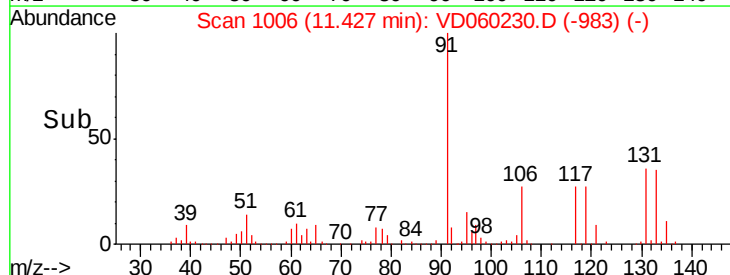
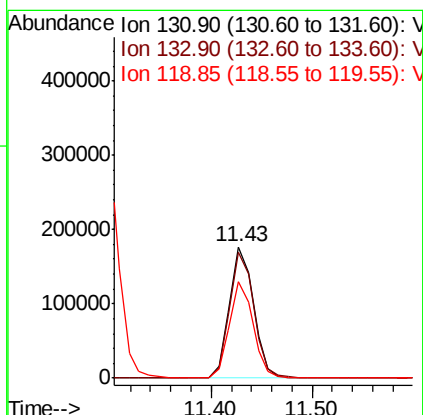
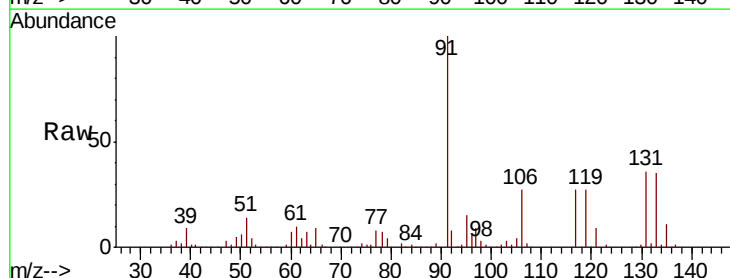
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.662 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:131 Resp: 294591
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 73.9 36.1 108.3





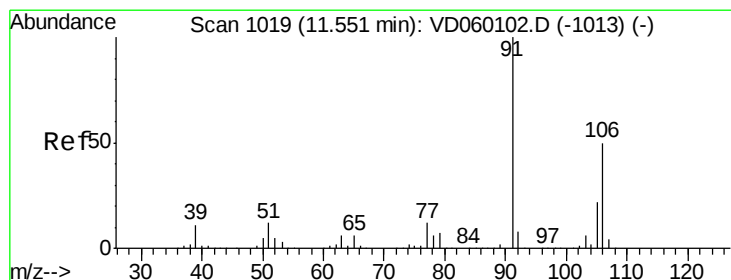
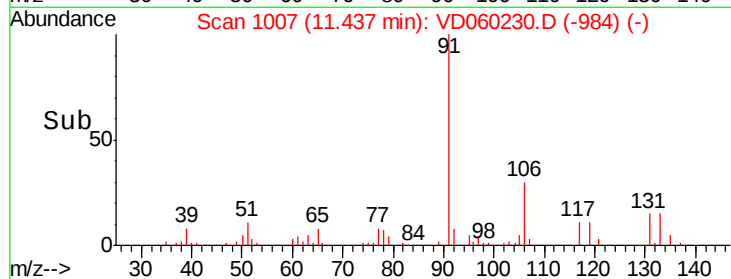
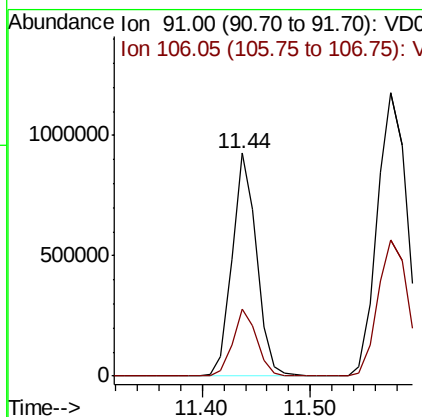
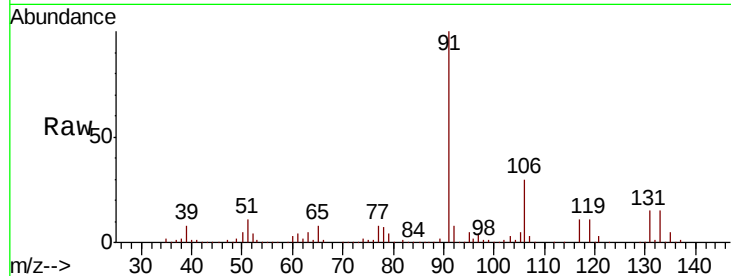
#67
Ethyl Benzene
Concen: 24.028 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 91 Resp: 1452822
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6

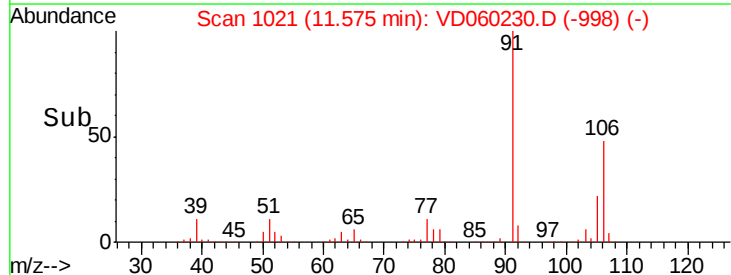
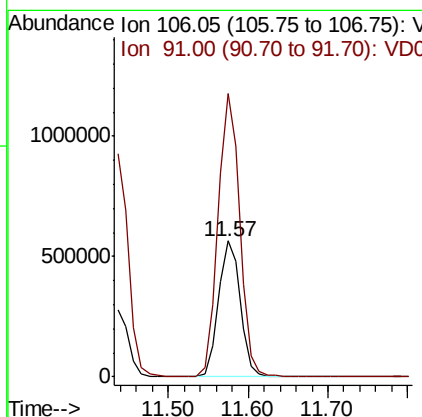
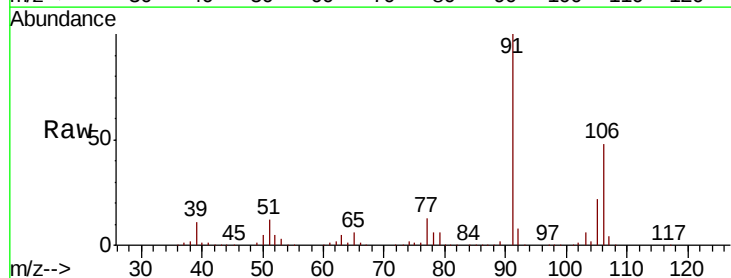
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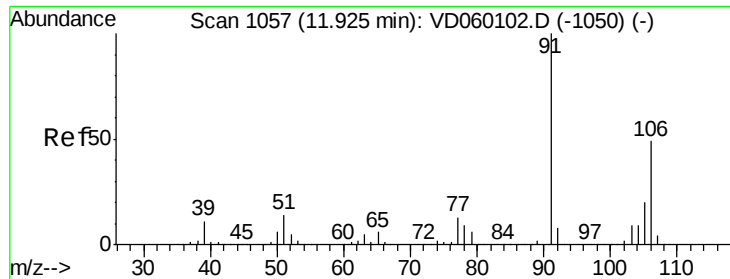
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#68
m/p-Xylenes
Concen: 48.314 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 106 Resp: 1091499
Ion Ratio Lower Upper
106 100
91 208.3 160.0 240.0





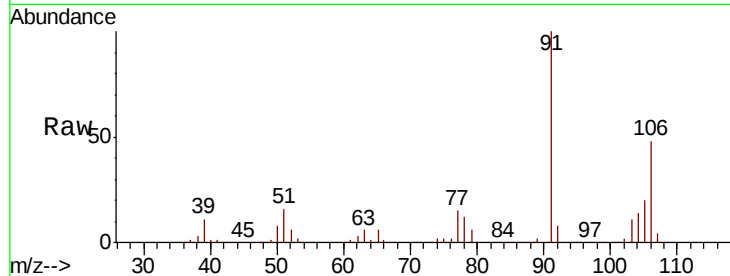
#69
o-Xylene
Concen: 23.431 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

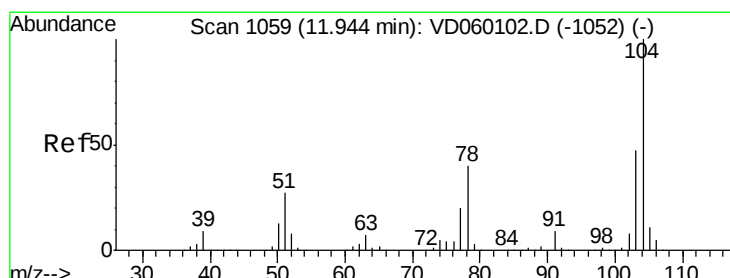
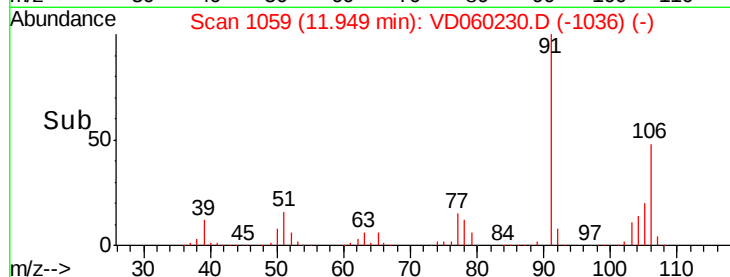
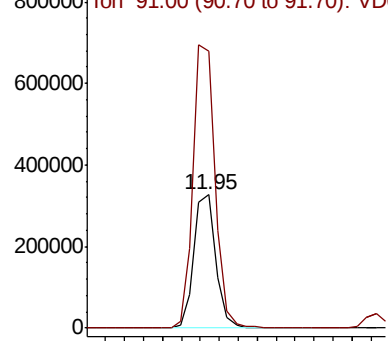
Tot Ion:106 Resp: 523583
Ion Ratio Lower Upper
106 100
91 208.0 102.5 307.5

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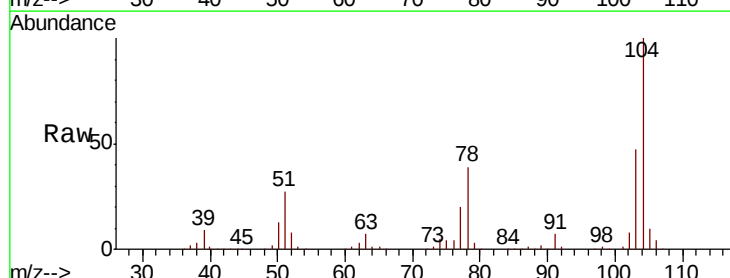


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

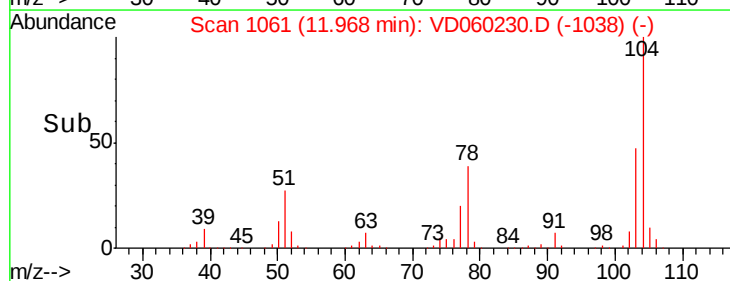
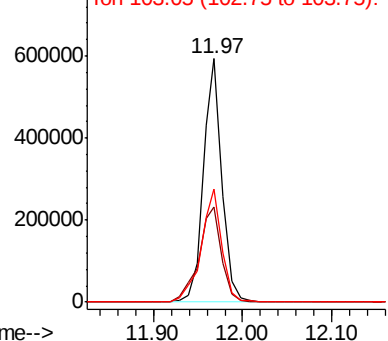


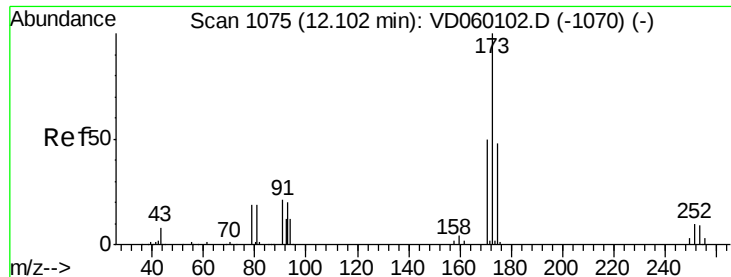
#70
Styrene
Concen: 23.248 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:104 Resp: 868769
Ion Ratio Lower Upper
104 100
78 39.3 32.2 48.4
103 46.7 37.4 56.0



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





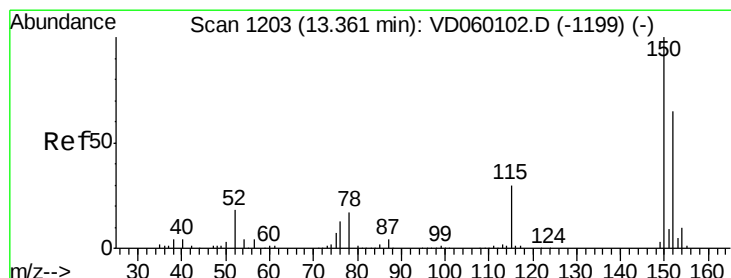
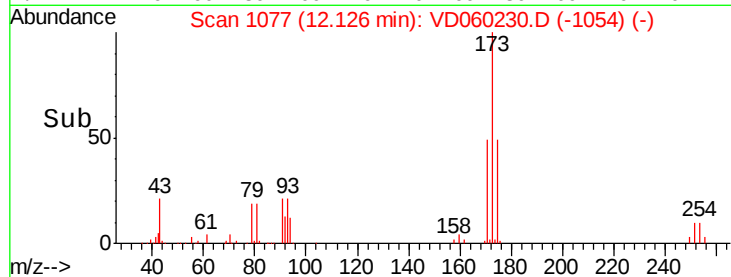
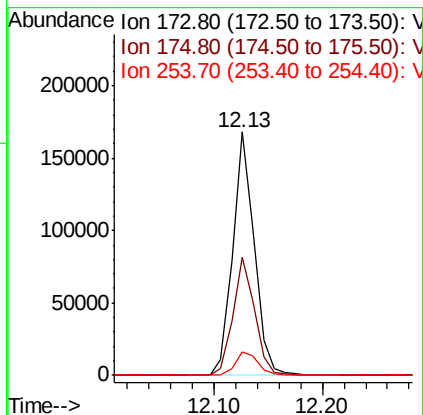
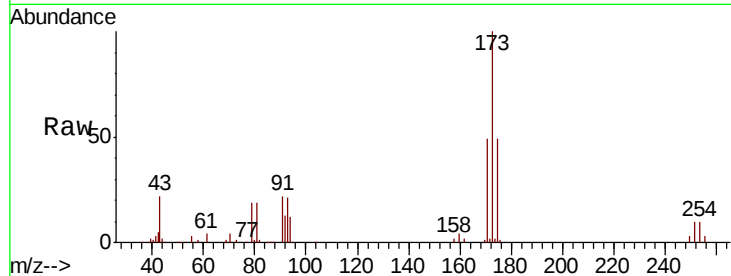
#71
Bromoform
Concen: 23.109 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.1	72.4
254	9.6	7.4	11.0

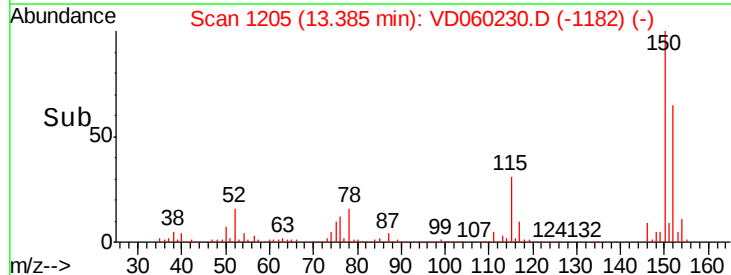
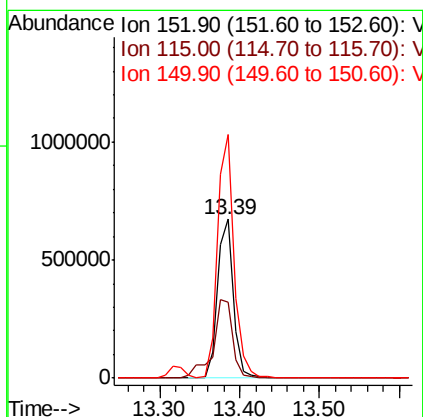
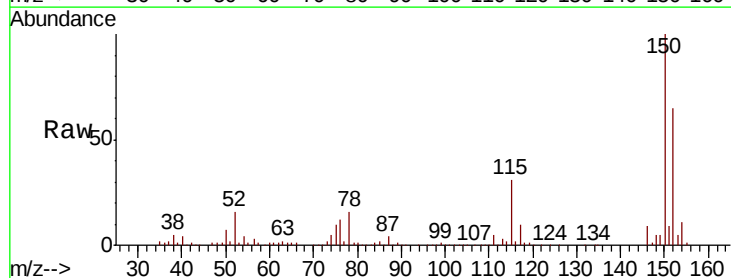
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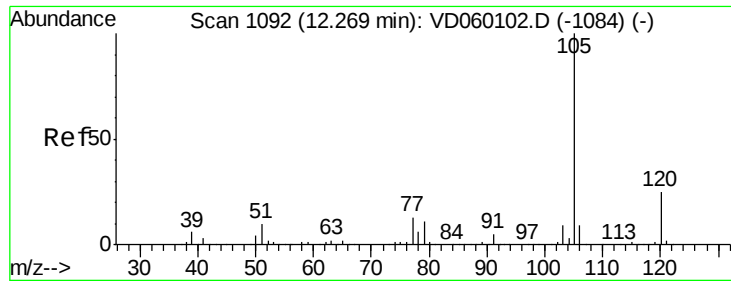
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	47.9	27.1	81.2
150	153.5	0.0	311.8





#73

Isopropylbenzene

Concen: 22.871 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:105 Resp: 1429596

Ion Ratio Lower Upper

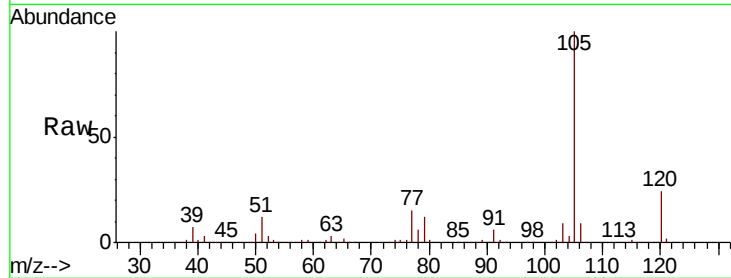
105 100

120 24.1 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

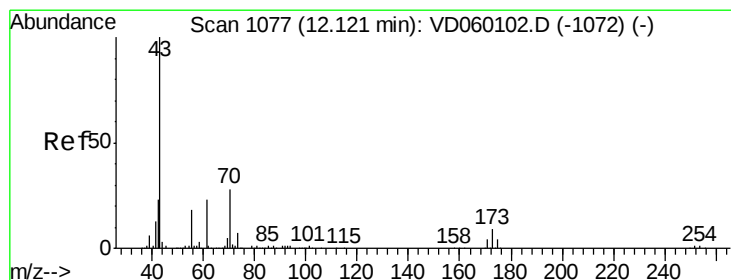
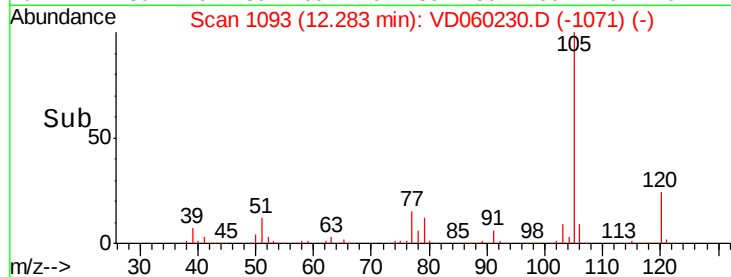
0

12.20

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 23.355 ug/l

RT: 12.15 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Tgt Ion: 43 Resp: 534717

Ion Ratio Lower Upper

43 100

70 28.3 22.1 33.1

55 17.7 14.1 21.1

61 21.9 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

600000

500000

400000

300000

200000

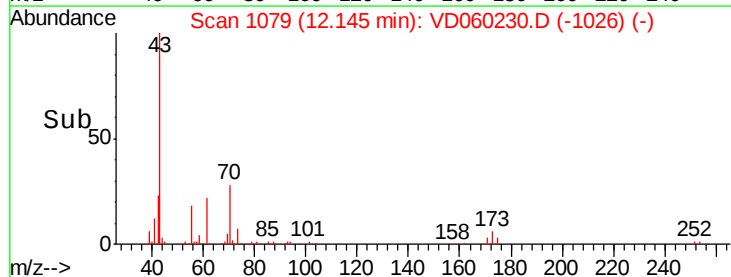
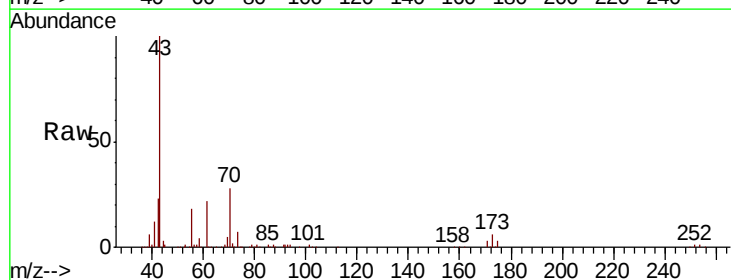
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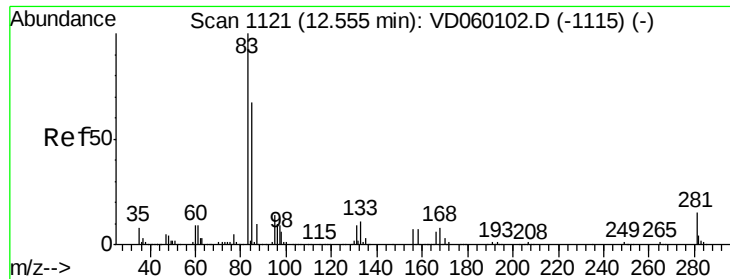
0

12.10

12.20

Time-->





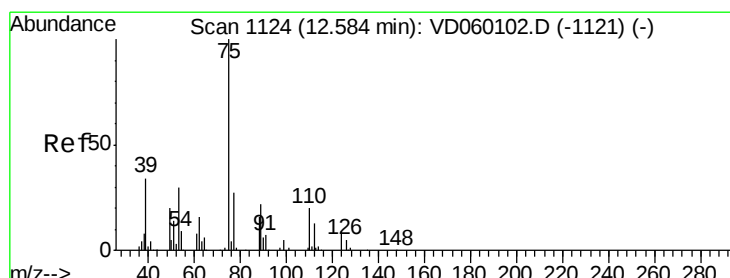
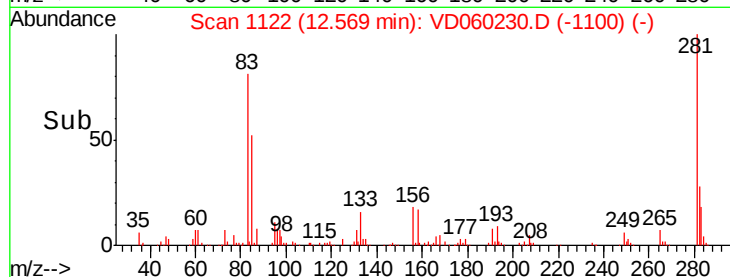
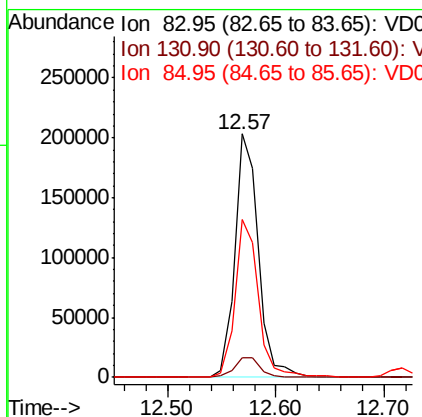
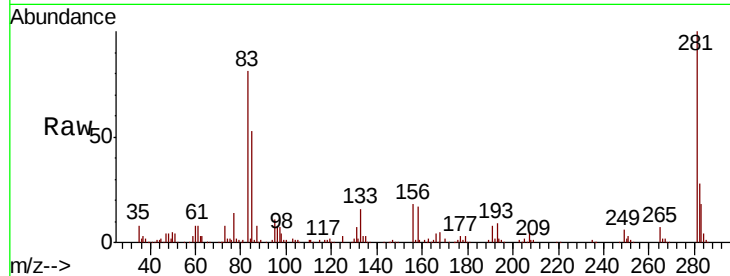
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.360 ug/l
 RT: 12.57 min Scan# 1122
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	305118		
131	8.1	4.5	13.4	
85	65.0	33.3	99.9	

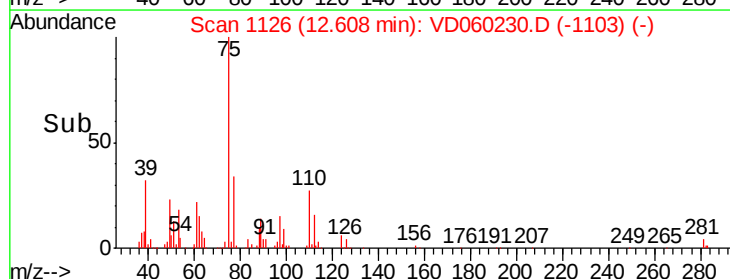
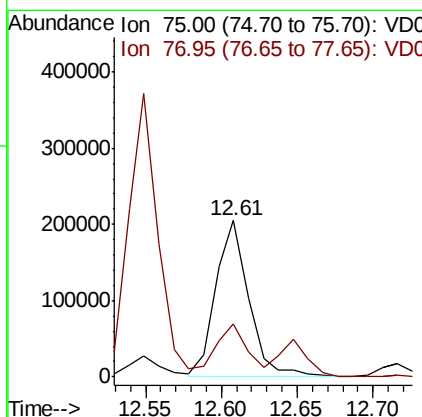
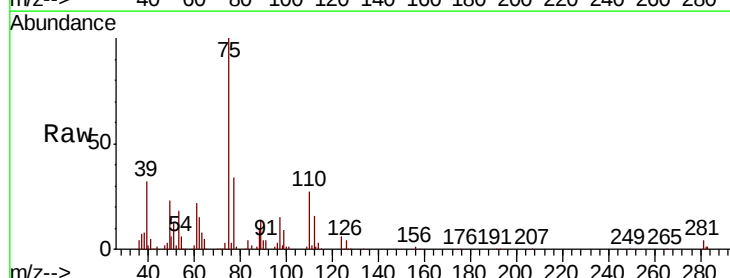
Manual Integrations
 APPROVED

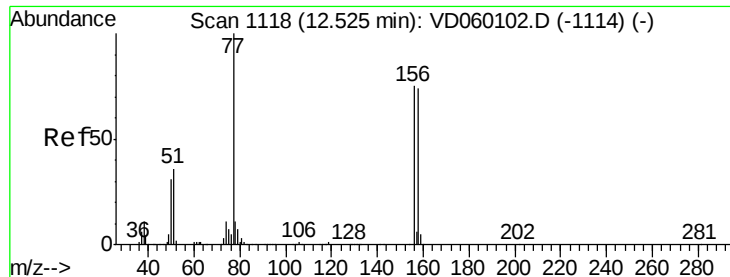
apatel
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#76
 1,2,3-Trichloropropane
 Concen: 22.744 ug/l
 RT: 12.61 min Scan# 1126
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310336		
77	33.7	16.3	48.9	





#77

Bromobenzene

Concen: 21.806 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

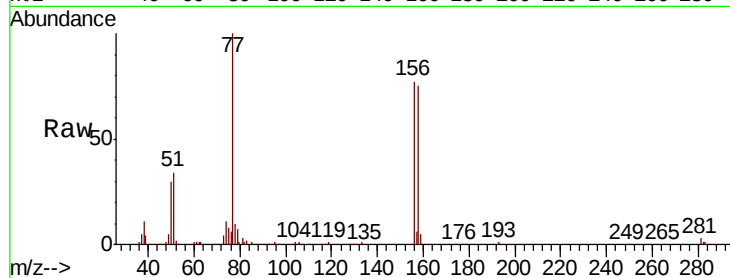
ClientSampleId :

VD1029SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	129.2	66.9	200.7	
158	97.4	49.1	147.4	

Manual Integrations
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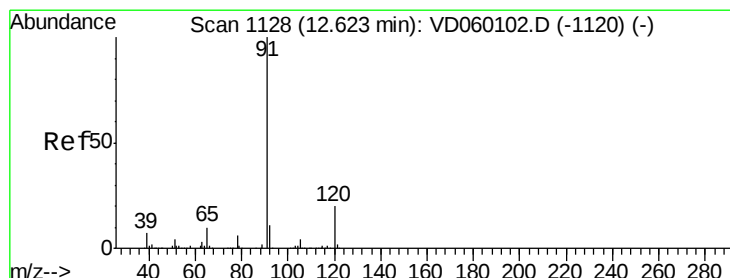
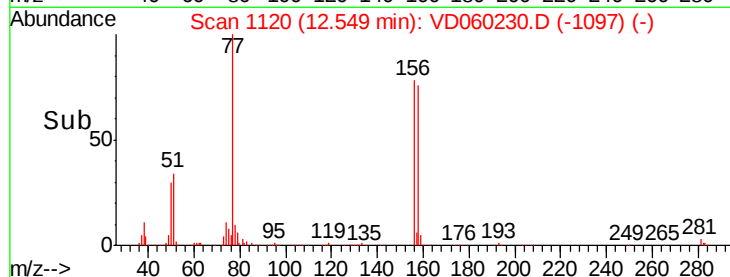
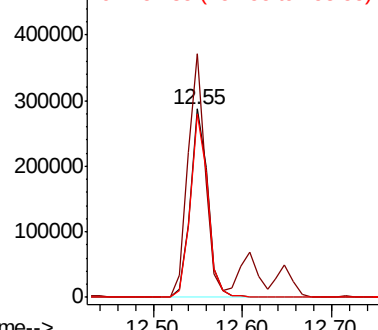


Abundance

Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.978 ug/l

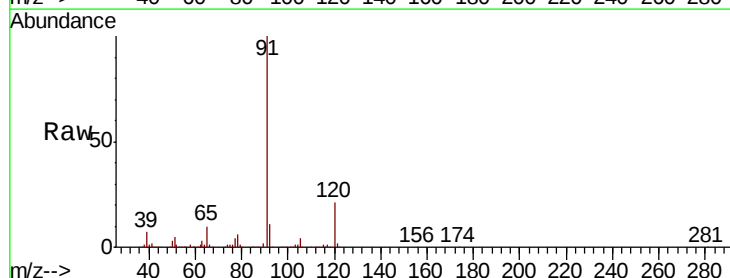
RT: 12.65 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

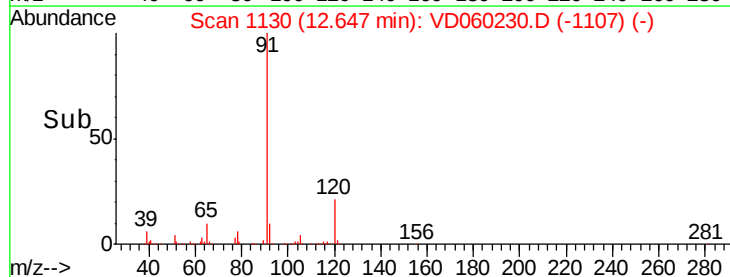
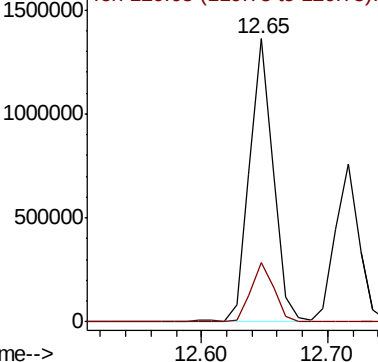
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.1	10.0	30.0	

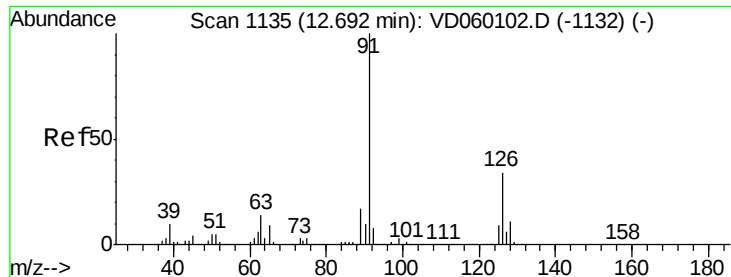


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.528 ug/l

RT: 12.72 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 970440

Ion Ratio Lower Upper

91 100

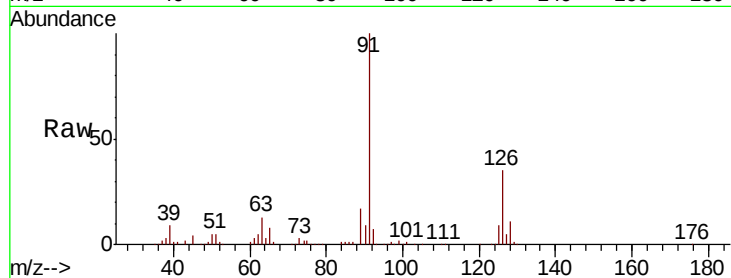
126 34.8 16.8 50.3

Manual Integrations

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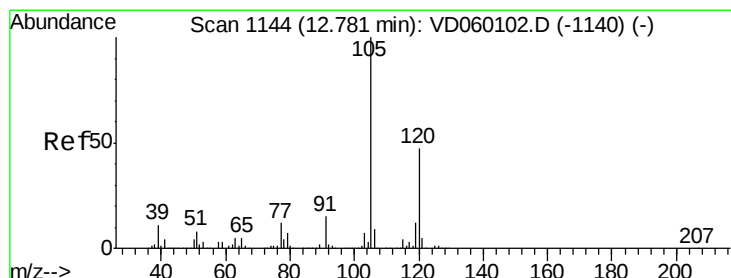
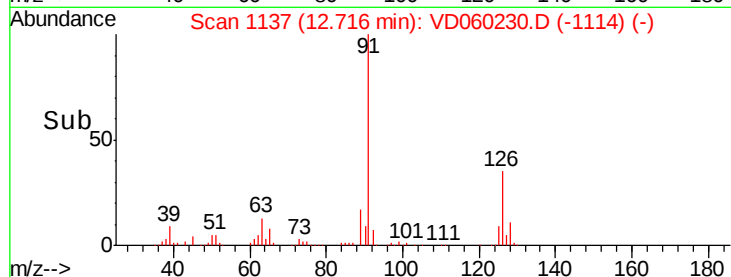
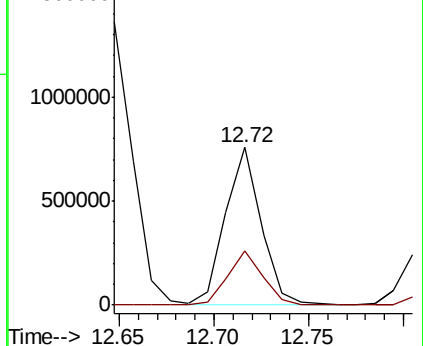
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.081 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VD060230.D

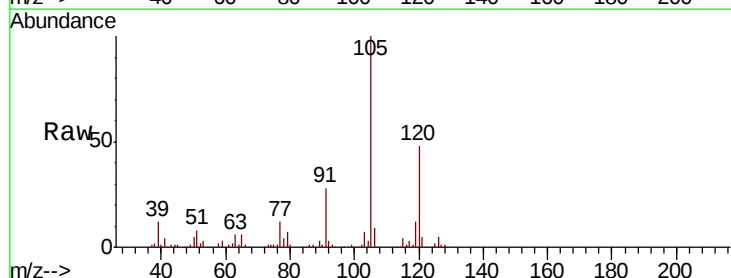
Acq: 29 Oct 2018 15:45

Tgt Ion: 105 Resp: 1116573

Ion Ratio Lower Upper

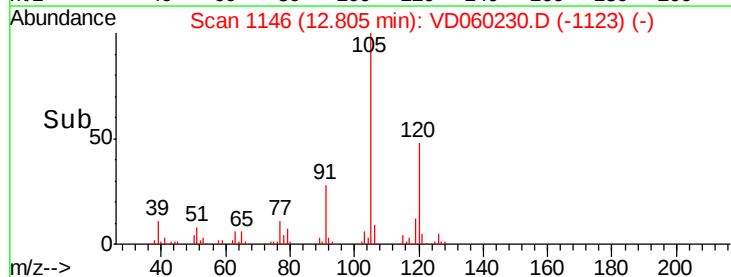
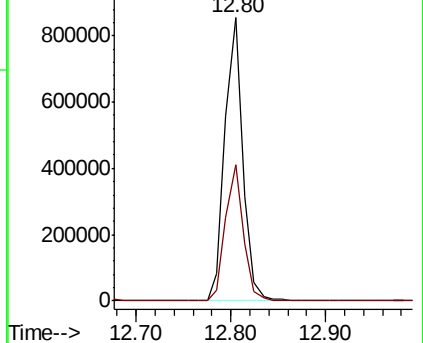
105 100

120 48.2 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





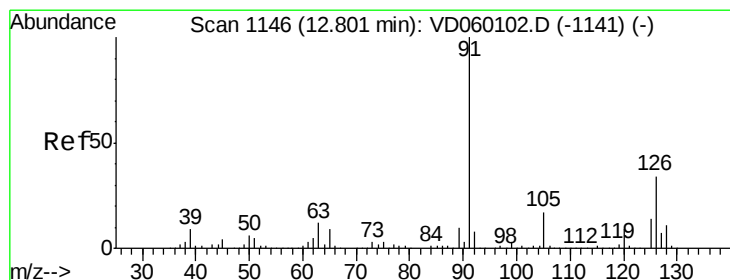
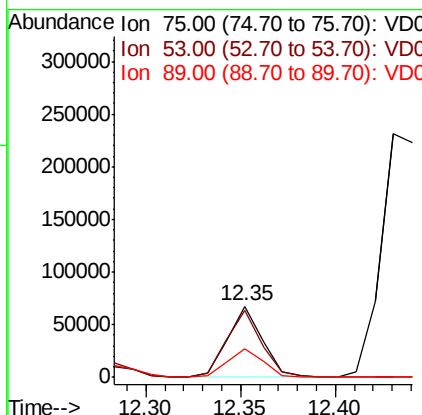
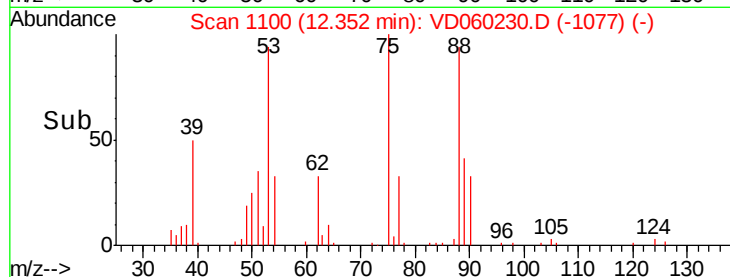
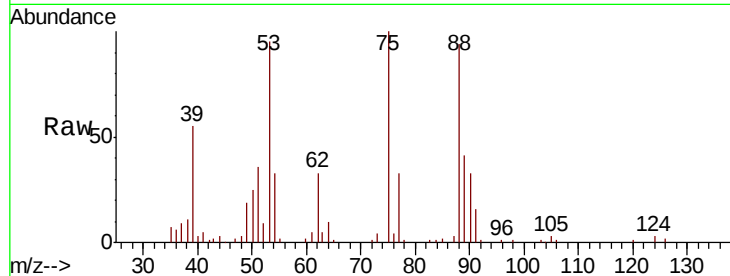
#81
trans-1,4-Dichloro-2-butene
Concen: 21.932 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	73.0	109.6
89	40.6	32.0	48.0

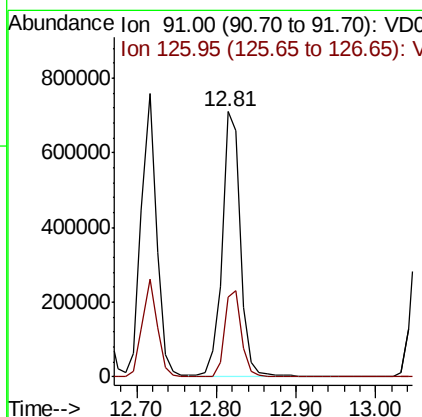
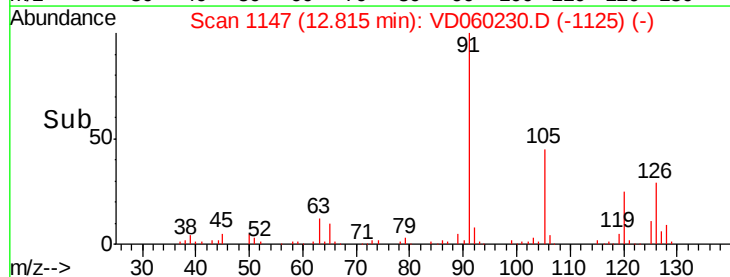
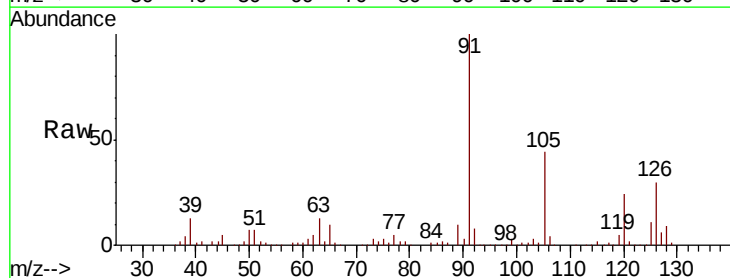
Manual Integrations
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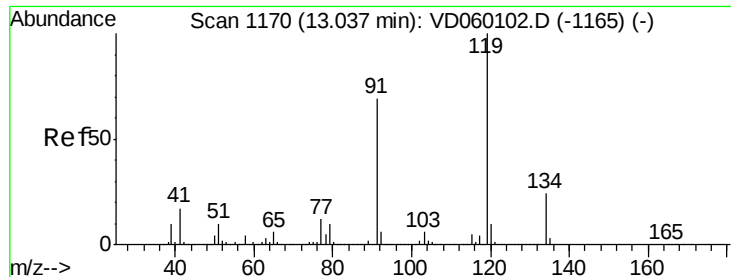
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#82
4-Chlorotoluene
Concen: 23.487 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	17.1	51.2





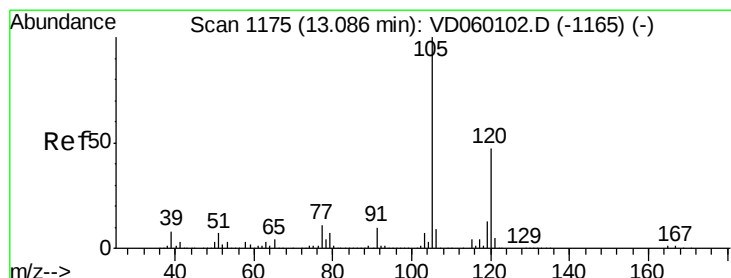
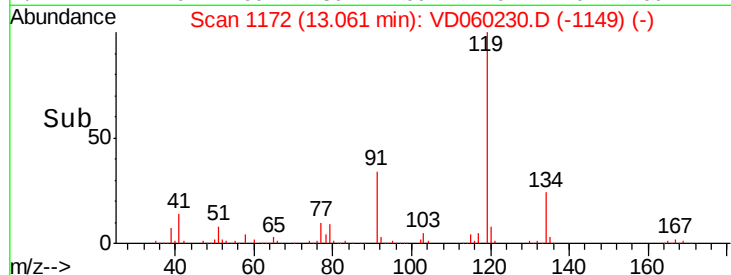
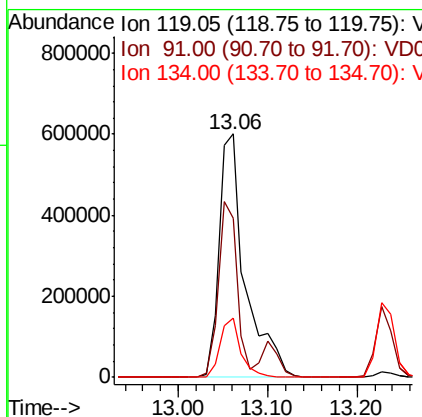
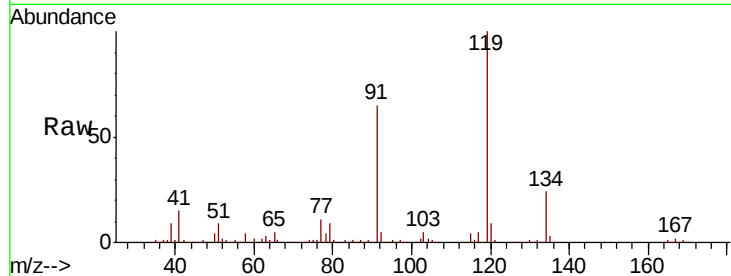
#83
tert-Butylbenzene
Concen: 22.141 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:119 Resp: 1229168
Ion Ratio Lower Upper
119 100
91 65.3 34.8 104.4
134 24.2 11.8 35.4

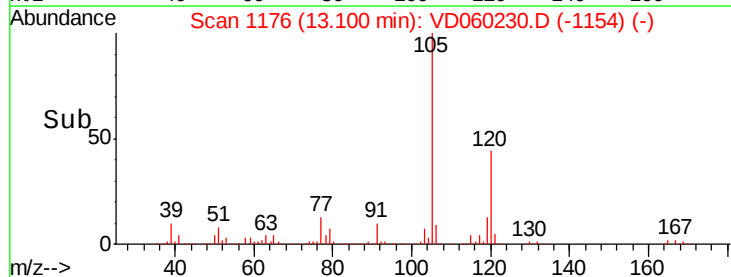
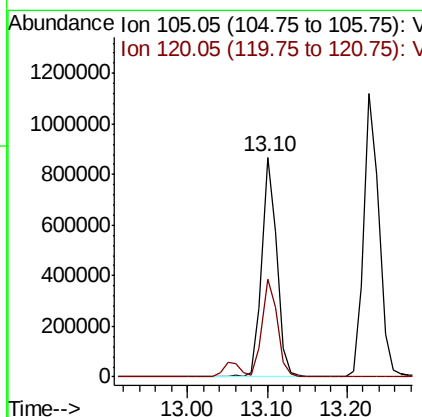
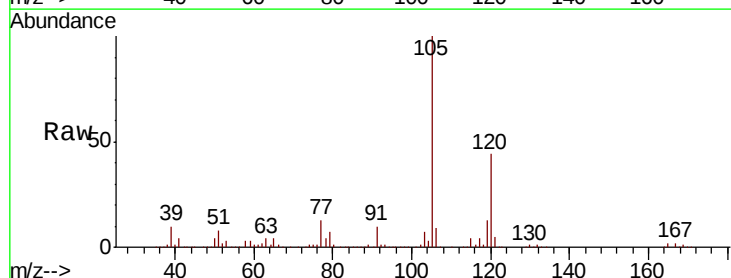
Manual Integrations
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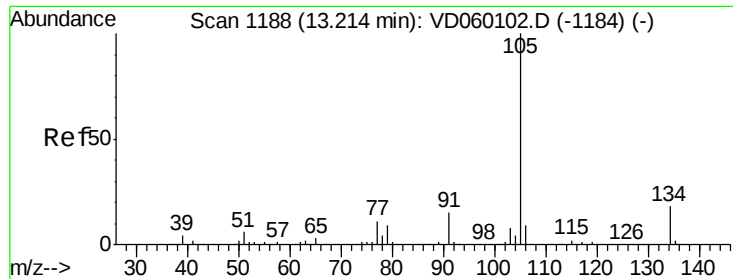
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#84
1,2,4-Trimethylbenzene
Concen: 21.811 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion:105 Resp: 1112043
Ion Ratio Lower Upper
105 100
120 44.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 22.577 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:105 Resp: 1481942

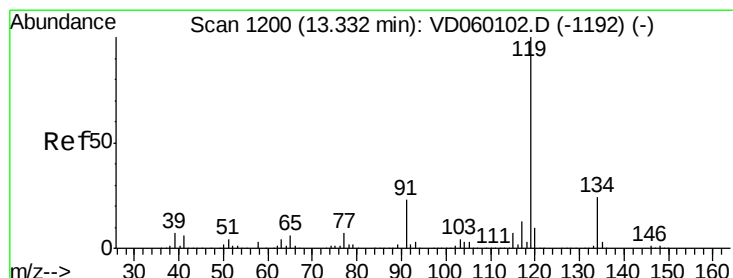
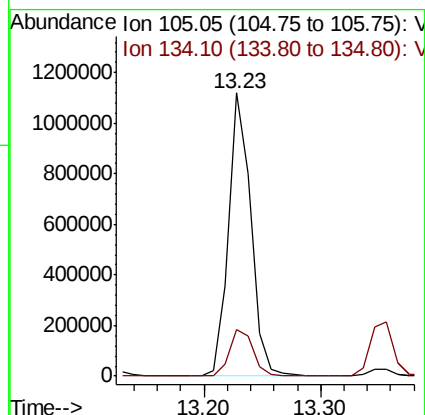
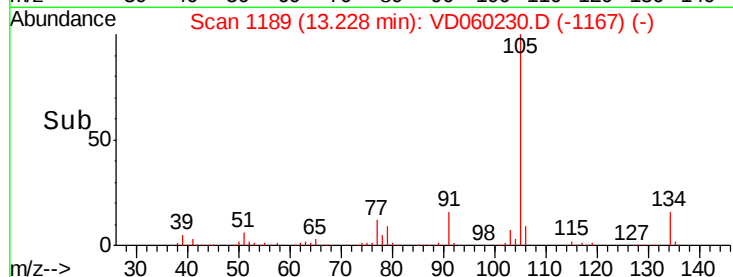
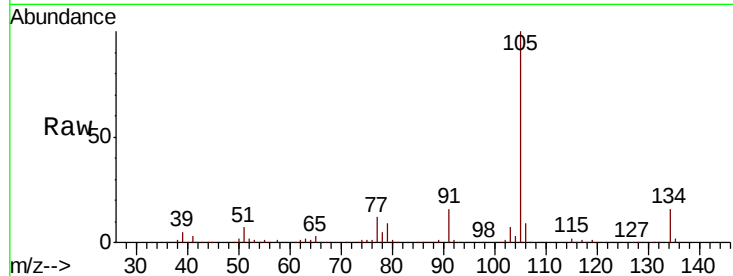
Ion Ratio Lower Upper

105 100

134 16.5 8.8 26.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.875 ug/l

RT: 13.36 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VD060230.D

Acq: 29 Oct 2018 15:45

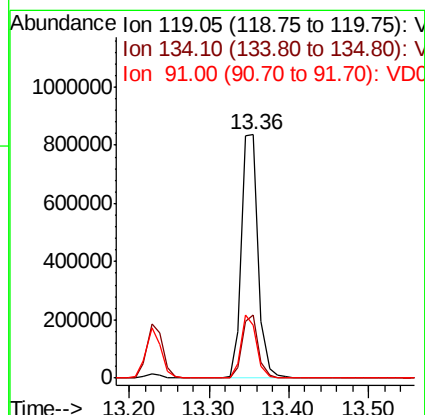
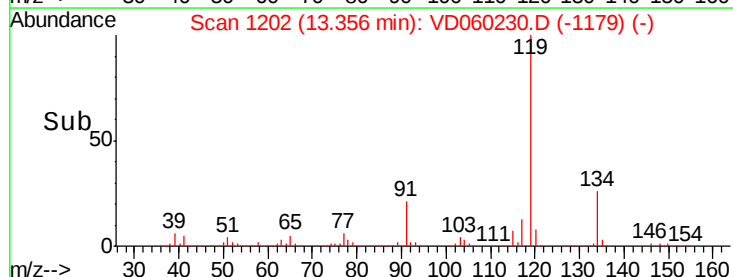
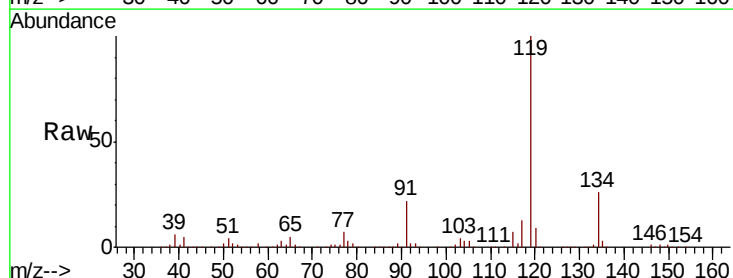
Tgt Ion:119 Resp: 1231550

Ion Ratio Lower Upper

119 100

134 25.9 12.3 36.8

91 21.6 11.8 35.4





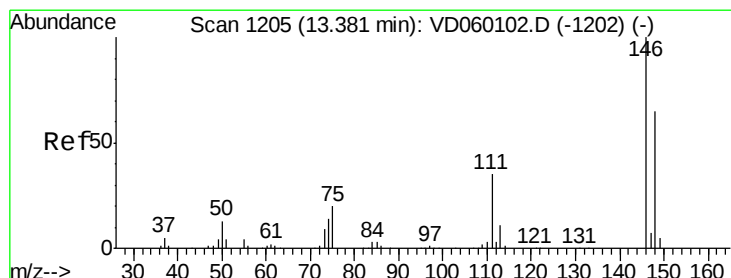
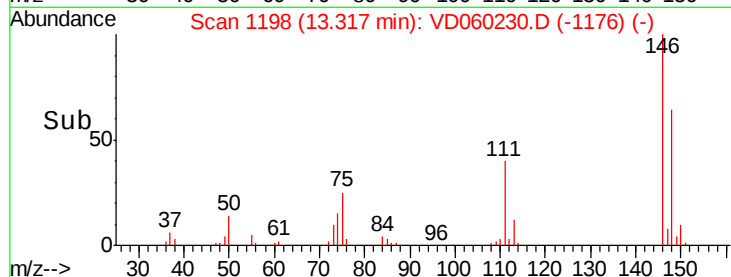
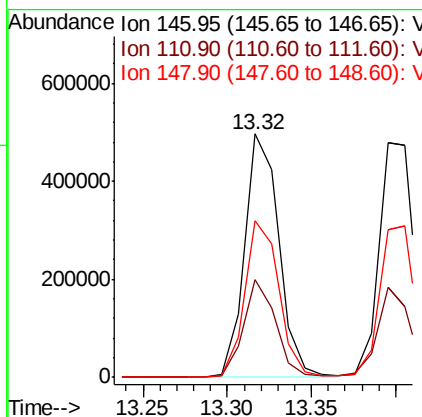
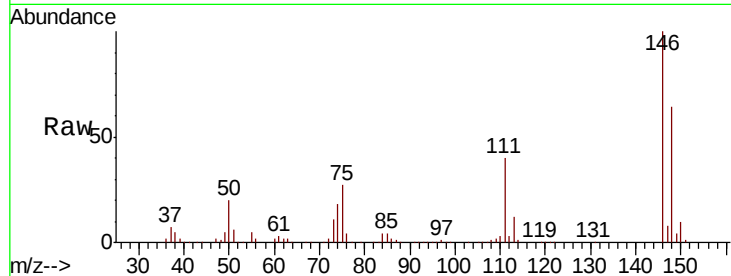
#87
 1,3-Dichlorobenzene
 Concen: 22.153 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.1	54.3
148	64.2	32.3	96.9

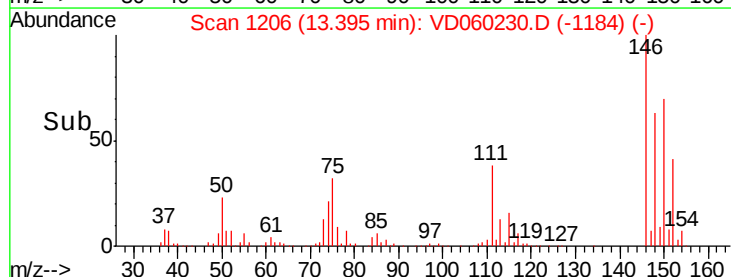
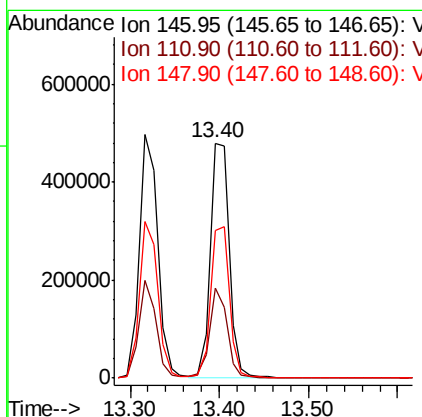
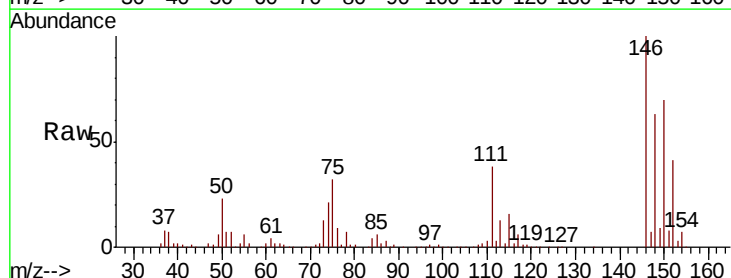
Manual Integrations
 APPROVED

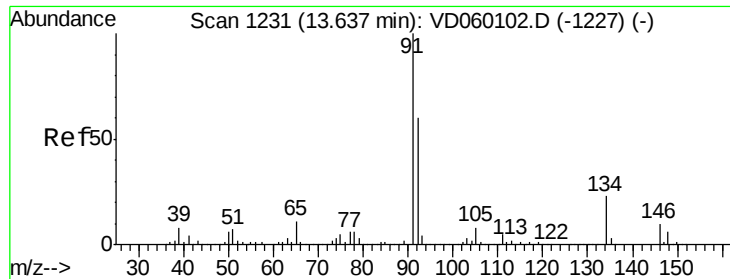
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#88
 1,4-Dichlorobenzene
 Concen: 22.088 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	17.8	53.3
148	62.7	32.4	97.2





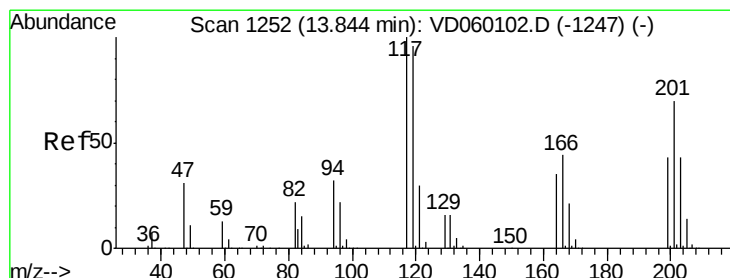
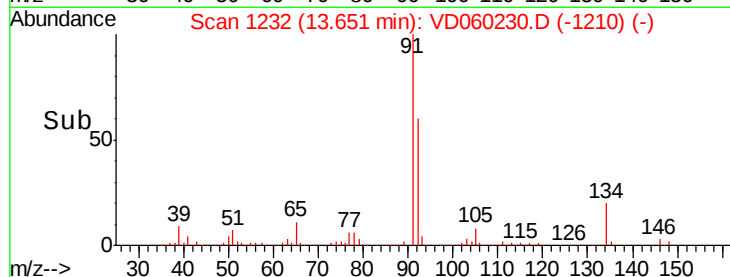
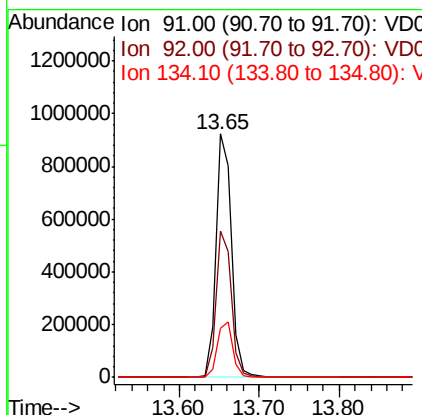
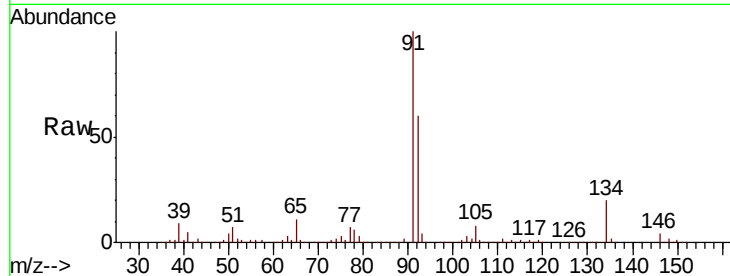
#89
n-Butylbenzene
Concen: 24.119 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 91 Resp: 1267041
Ion Ratio Lower Upper
91 100
92 60.0 30.1 90.3
134 19.9 11.6 34.7

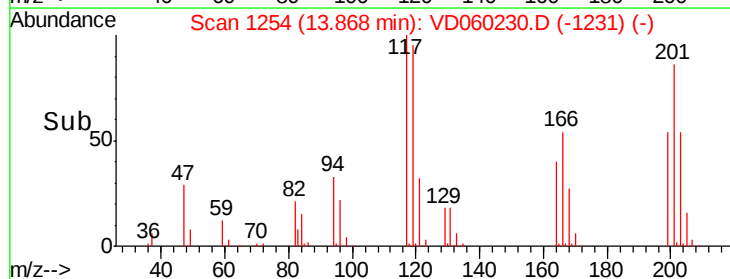
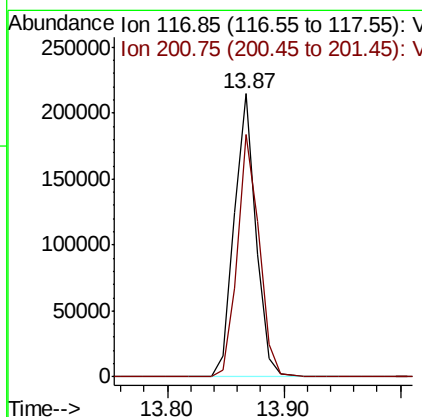
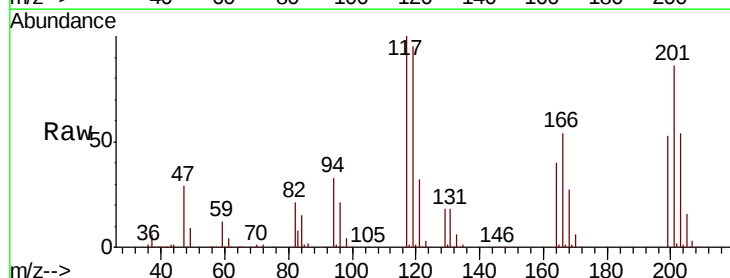
Manual Integrations
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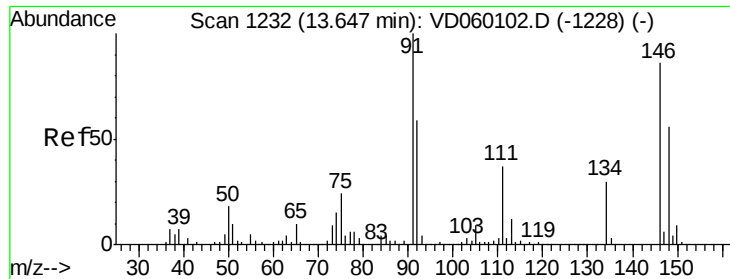
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#90
Hexachloroethane
Concen: 22.169 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion: 117 Resp: 276217
Ion Ratio Lower Upper
117 100
201 85.7 34.8 104.5





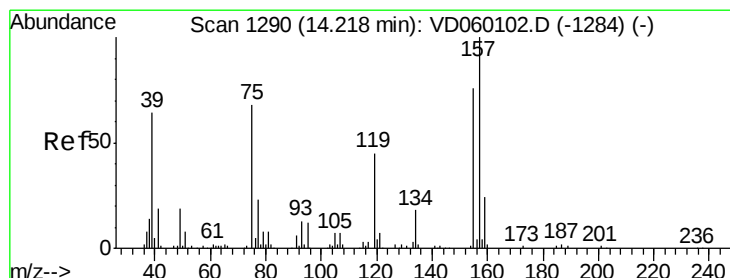
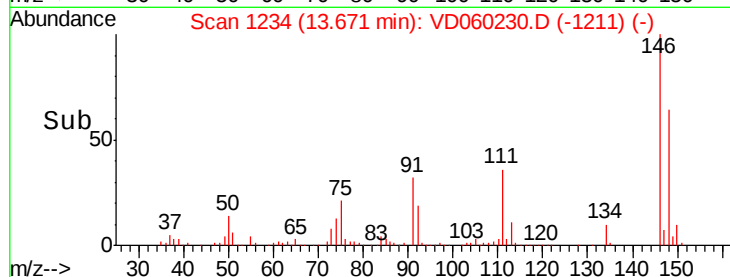
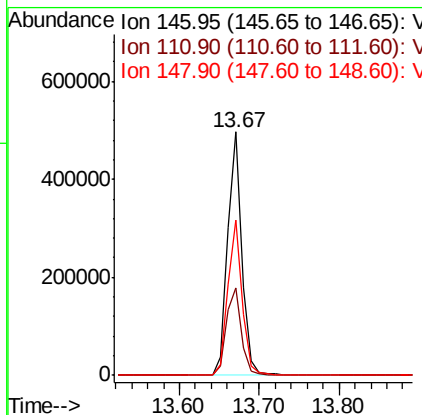
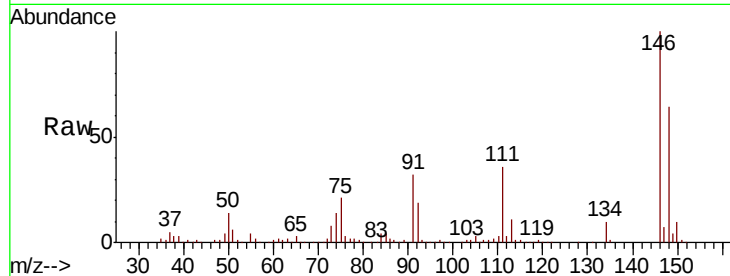
#91
 1,2-Dichlorobenzene
 Concen: 23.574 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	21.4	64.3
148	63.6	32.2	96.6

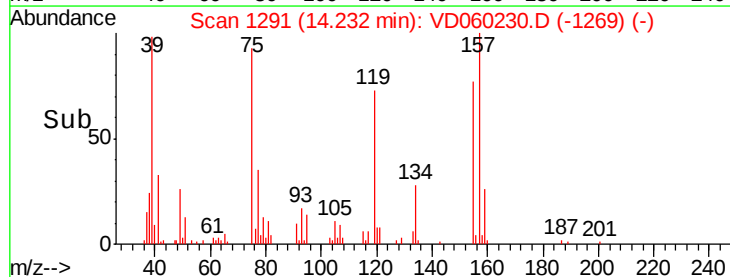
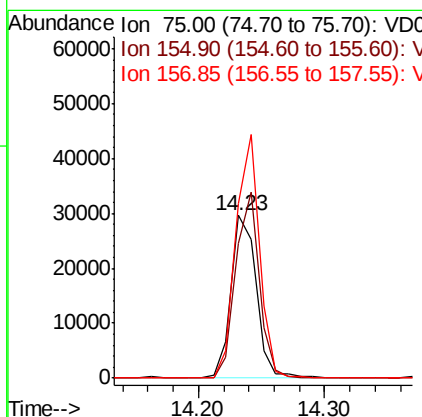
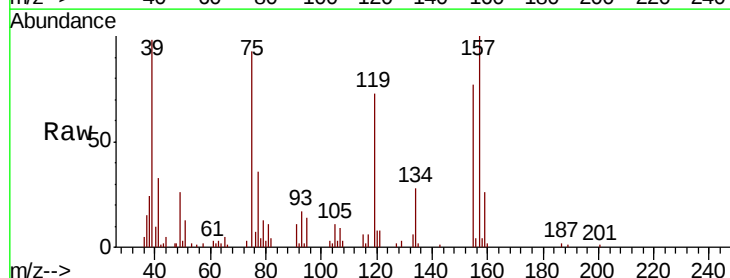
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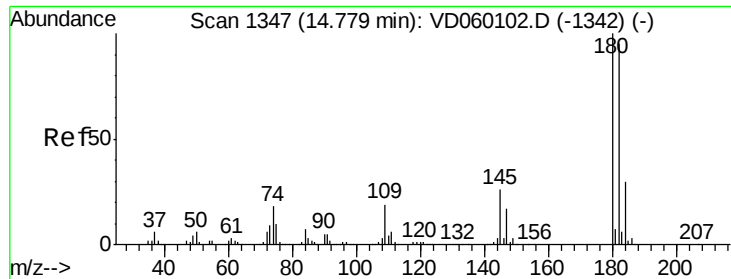
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.332 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	55.9	167.7
157	107.5	73.3	219.8





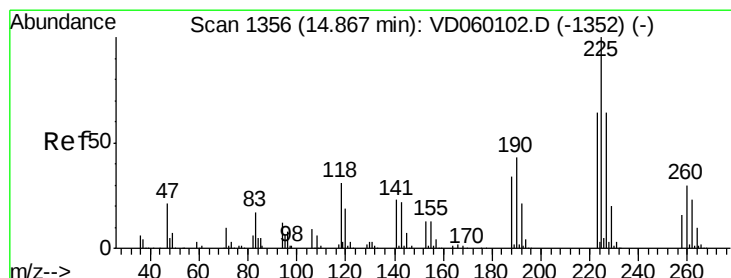
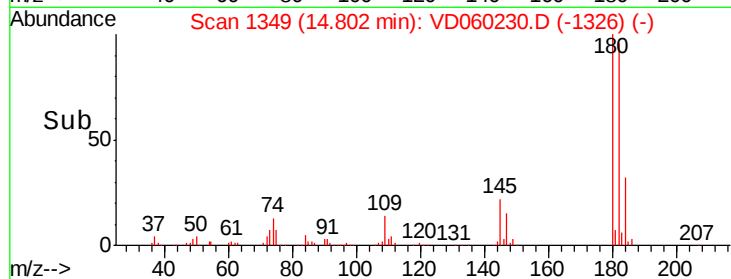
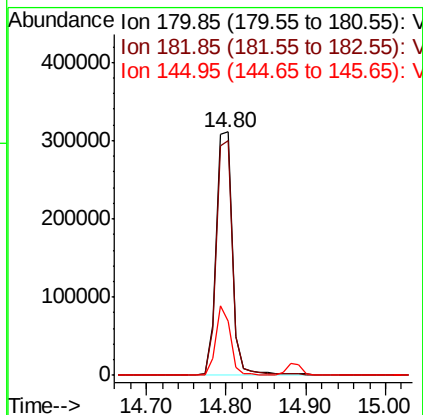
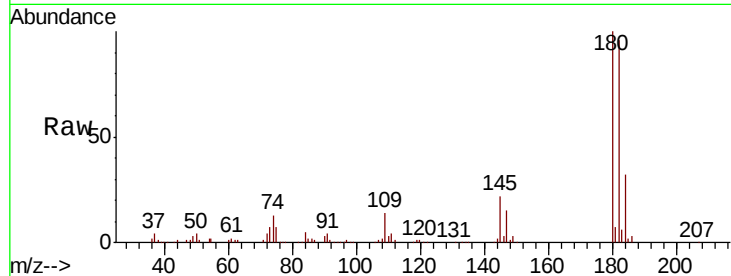
#93
 1,2,4-Trichlorobenzene
 Concen: 20.056 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	22.2	13.0	38.9

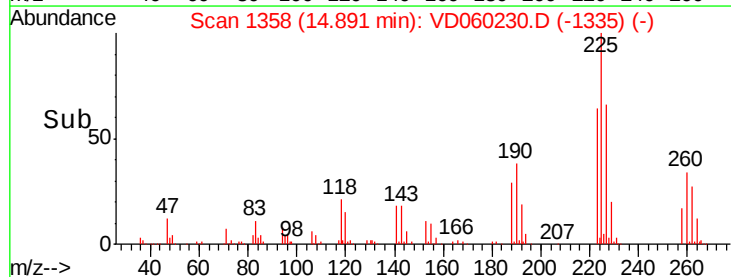
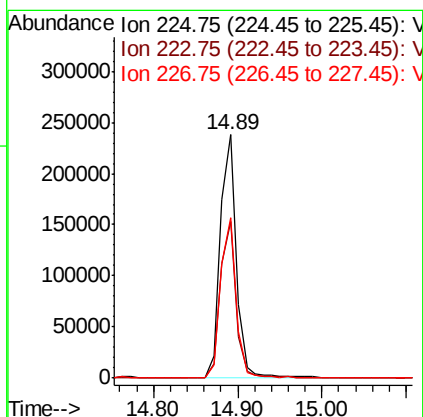
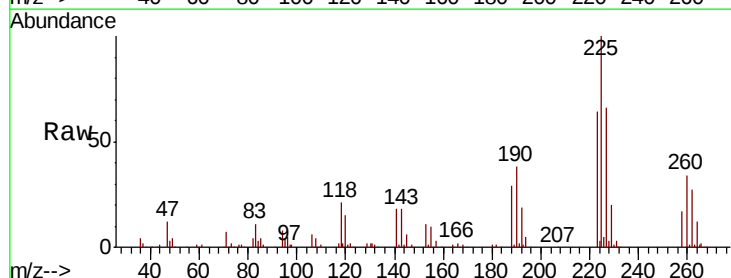
Manual Integrations
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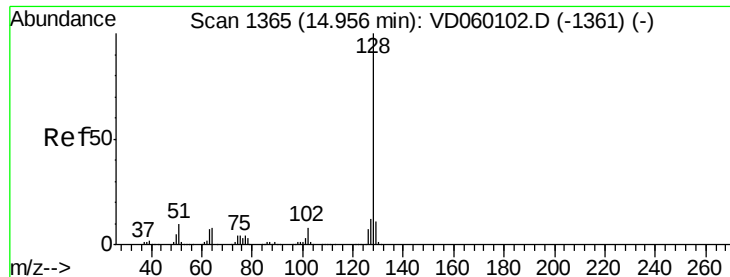
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#94
 Hexachlorobutadiene
 Concen: 21.070 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060230.D
 Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.8	95.4
227	65.8	32.0	96.0





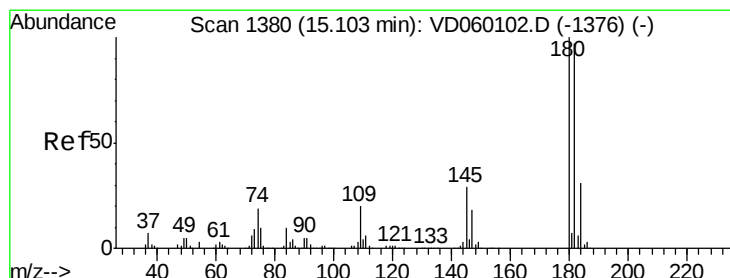
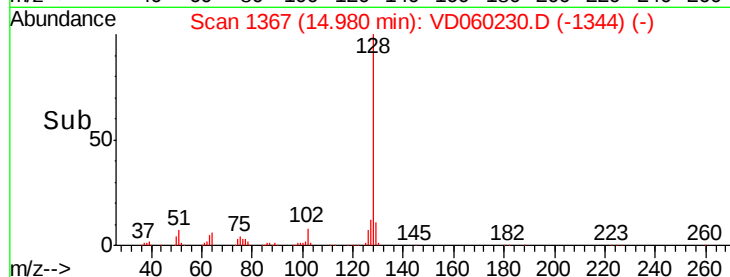
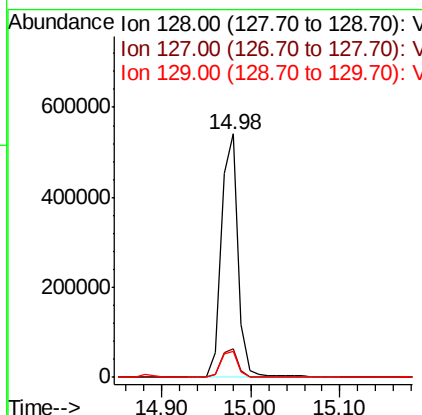
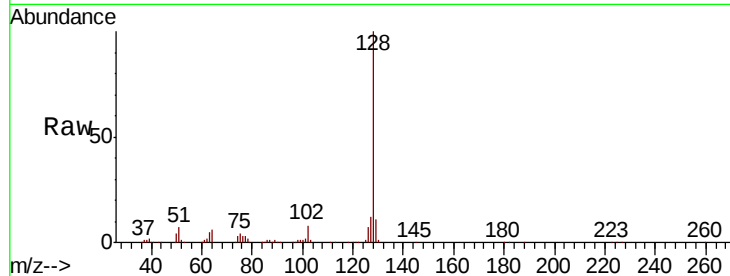
#95
Naphthalene
Concen: 21.460 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.9	14.9
129	10.5	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.839 ug/l
RT: 15.13 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD060230.D
Acq: 29 Oct 2018 15:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	24.7	14.5	43.6

