

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060076.D
 Acq On : 24 Sep 2018 11:54
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/25/2018 3:30:52 PM

Quant Time: Sep 24 15:35:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1670611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2435873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	1891745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1011033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	692075	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
35) Dibromofluoromethane	6.29	113	967379	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	9.43	98	2690925	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.42	95	1026743	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	889217	50.424	ug/l	99
3) Chloromethane	1.75	50	841173	54.000	ug/l	99
4) Vinyl Chloride	1.85	62	696195	55.596	ug/l	100
5) Bromomethane	2.13	94	107855	72.765	ug/l	90
6) Chloroethane	2.24	64	190882	68.183	ug/l	97
7) Trichlorofluoromethane	2.50	101	783213	56.810	ug/l	98
8) Diethyl Ether	2.81	74	169743	57.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	517305	59.505	ug/l	99
10) Methyl Iodide	3.22	142	547727	59.487	ug/l	97
11) Tert butyl alcohol	3.94	59	241688	229.910	ug/l	96
12) 1,1-Dichloroethene	3.06	96	423317	61.584	ug/l	92
13) Acrolein	2.97	56	129849	199.464	ug/l	100
14) Allyl chloride	3.51	41	858739	59.238	ug/l	98
15) Acrylonitrile	4.06	53	1045251	263.414	ug/l	99
16) Acetone	3.14	43	687212	273.211	ug/l	97
17) Carbon Disulfide	3.29	76	1374489	58.035	ug/l	100
18) Methyl Acetate	3.53	43	295911	57.847	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	1681325	52.937	ug/l	99
20) Methylene Chloride	3.70	84	989700	56.191	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	961516	53.304	ug/l	95
22) Diisopropyl ether	4.83	45	3544634	53.605	ug/l	98
23) Vinyl Acetate	4.78	43	9887645	263.941	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1642291	55.344	ug/l	100
25) 2-Butanone	5.60	43	1584315	233.416	ug/l	99
26) 2,2-Dichloropropane	5.56	77	1293250	56.057	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1043662	55.312	ug/l	100
28) Bromochloromethane	5.90	49	814200	57.081	ug/l	99
29) Tetrahydrofuran	5.93	42	907777	249.384	ug/l	99
30) Chloroform	6.08	83	1664024	55.296	ug/l	100
31) Cyclohexane	6.34	56	1441076	49.807	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1379192	55.259	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1224559	50.609	ug/l	99
37) Ethyl Acetate	5.67	43	810898	48.734	ug/l	98
38) Carbon Tetrachloride	6.47	117	1132374	50.133	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1414137	51.664	ug/l	97
40) Benzene	6.77	78	3175287	51.487	ug/l	99
41) Methacrylonitrile	5.91	41	487215m	55.905	ug/l	
42) 1,2-Dichloroethane	6.87	62	901634	48.691	ug/l	99
43) Isopropyl Acetate	8.32	43	1072966	48.161	ug/l #	100
44) Trichloroethene	7.71	130	982420	51.559	ug/l	99
45) 1,2-Dichloropropane	8.08	63	861964	52.270	ug/l	99
46) Dibromomethane	8.19	93	545469	50.695	ug/l	94
47) Bromodichloromethane	8.47	83	1205978	51.986	ug/l	99
48) Methyl methacrylate	8.22	41	605724	48.817	ug/l	98
49) 1,4-Dioxane	8.20	88	119439	969.162	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	3278774	219.722	ug/l	100
52) Toluene	9.52	92	2102687	53.192	ug/l	96
53) t-1,3-Dichloropropene	9.90	75	1116114	51.586	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	1340140	51.841	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	668722	48.723	ug/l	98
56) Ethyl methacrylate	10.01	69	758862	49.848	ug/l	96
57) 1,3-Dichloropropane	10.36	76	1028083	50.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	1921644	261.402	ug/l	100
59) 2-Hexanone	10.47	43	2452870	231.559	ug/l	98
60) Dibromochloromethane	10.62	129	851282	50.958	ug/l	99
61) 1,2-Dibromoethane	10.74	107	722277	50.969	ug/l	96
64) Tetrachloroethene	10.23	164	873931	52.360	ug/l	98
65) Chlorobenzene	11.29	112	2206219	54.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	739725	53.924	ug/l	98
67) Ethyl Benzene	11.41	91	3507849	53.594	ug/l	100
68) m/p-Xylenes	11.55	106	2639415	109.189	ug/l	99
69) o-Xylene	11.92	106	1315830	54.937	ug/l	95
70) Styrene	11.94	104	2189307	54.362	ug/l	99
71) Bromoform	12.10	173	632345	53.653	ug/l	98
73) Isopropylbenzene	12.26	105	3464161	52.243	ug/l	98
74) N-amyl acetate	12.12	43	1343024	51.133	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	772924	51.383	ug/l	100
76) 1,2,3-Trichloropropane	12.58	75	790511	51.195	ug/l	100
77) Bromobenzene	12.52	156	1019294	53.365	ug/l	93
78) n-propylbenzene	12.62	91	4454270	53.419	ug/l	98
79) 2-Chlorotoluene	12.69	91	2413577	51.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	2719899	53.517	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	241176	51.742	ug/l	94
82) 4-Chlorotoluene	12.80	91	2725073	52.666	ug/l	93
83) tert-Butylbenzene	13.04	119	3183369	54.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	2928707	54.000	ug/l	97
85) sec-Butylbenzene	13.21	105	3803876	54.425	ug/l	97
86) p-Isopropyltoluene	13.33	119	3083362	54.545	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	1829226	55.072	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	1764888	52.386	ug/l	98
89) n-Butylbenzene	13.64	91	2982666	57.999	ug/l	98
90) Hexachloroethane	13.84	117	769688	54.973	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	1484037	56.557	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	107672	46.953	ug/l	67

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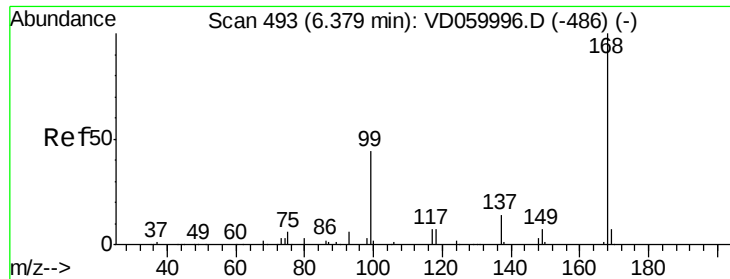
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1259921	53.229	ug/l	98
94) Hexachlorobutadiene	14.87	225	859167	54.872	ug/l	100
95) Naphthalene	14.95	128	1857675	50.819	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1063876	51.003	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1670611

Ion Ratio Lower Upper

168 100

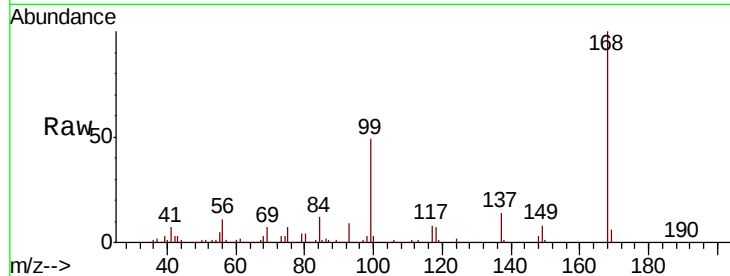
99 48.5 38.5 57.7

Manual Integrations

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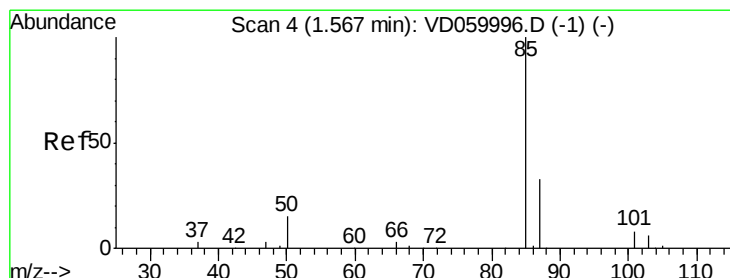
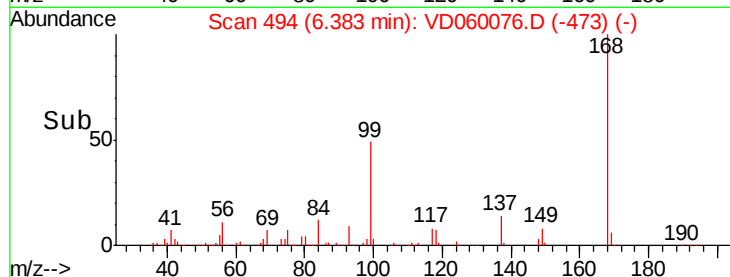
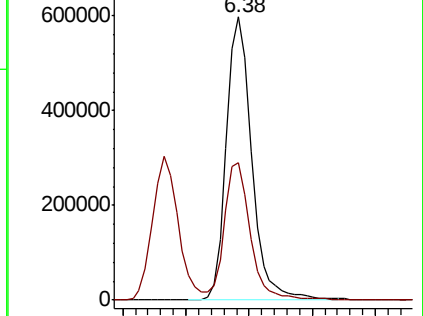
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.424 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.01 min

Lab File: VD060076.D

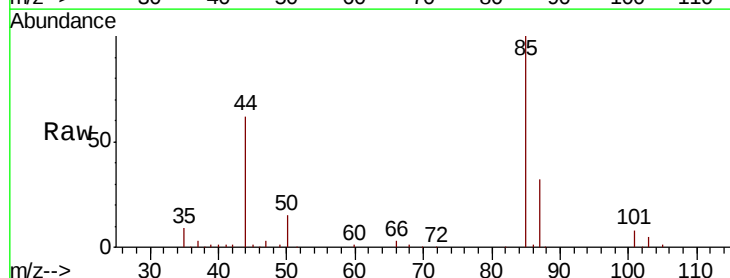
Acq: 24 Sep 2018 11:54

Tgt Ion: 85 Resp: 889217

Ion Ratio Lower Upper

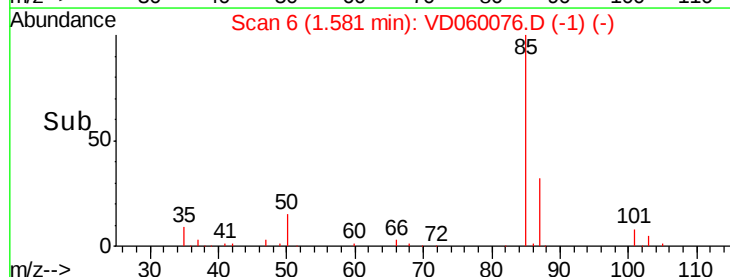
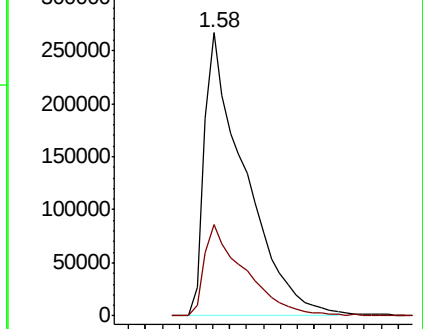
85 100

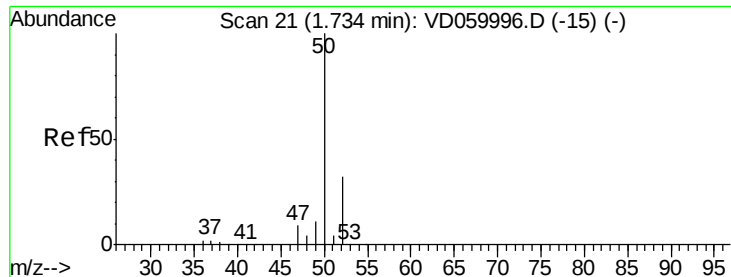
87 32.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.000 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 841173

Ion Ratio Lower Upper

50 100

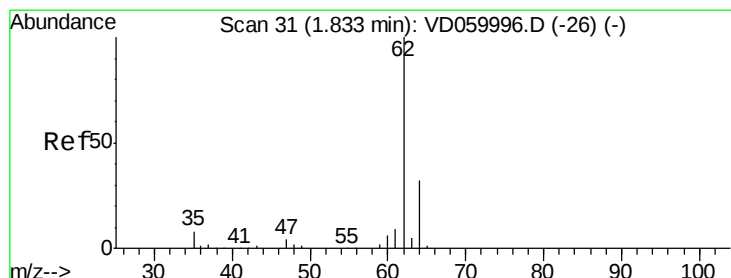
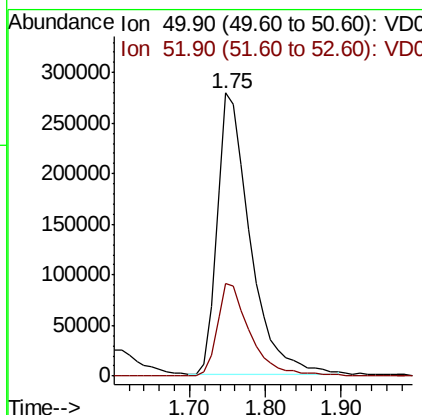
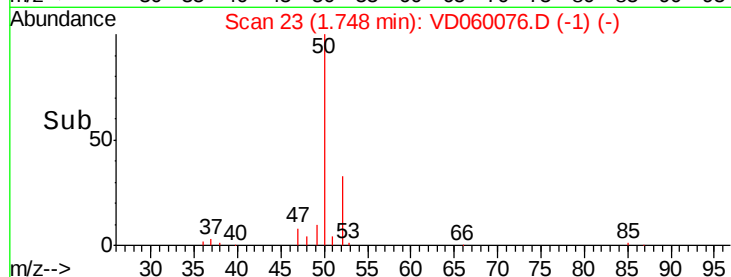
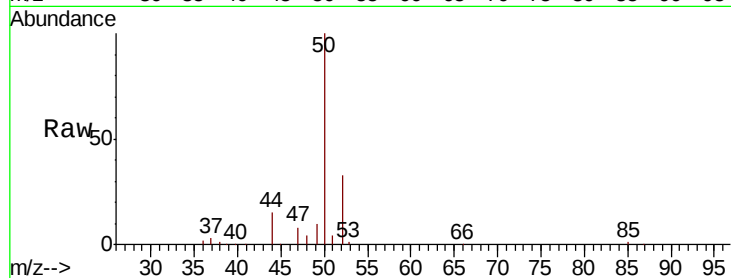
52 32.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 55.596 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD060076.D

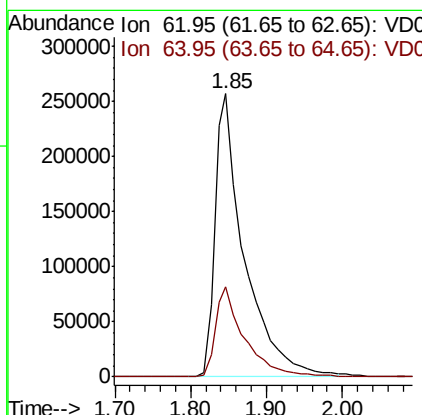
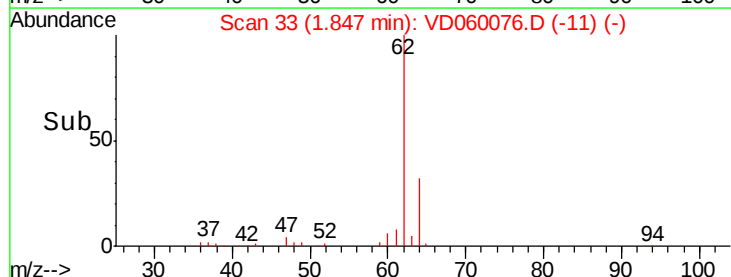
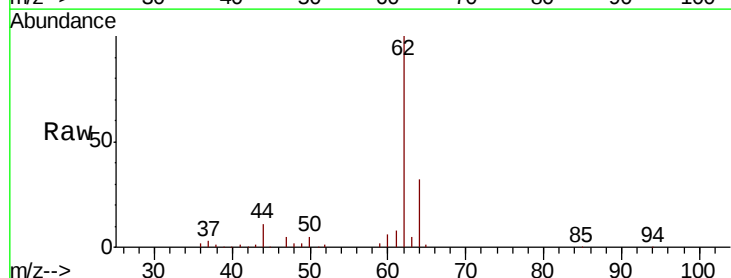
Acq: 24 Sep 2018 11:54

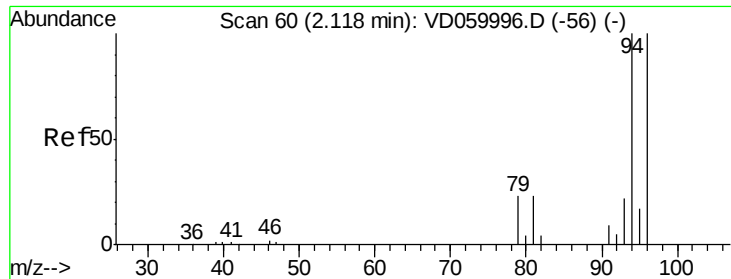
Tgt Ion: 62 Resp: 696195

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





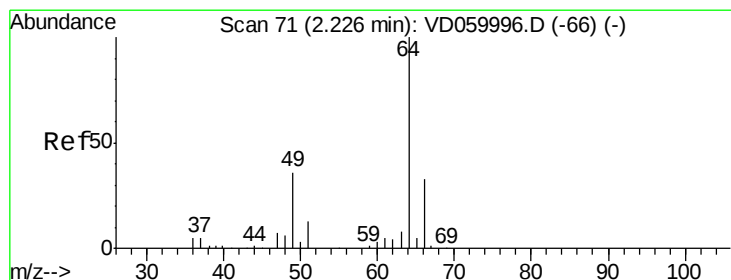
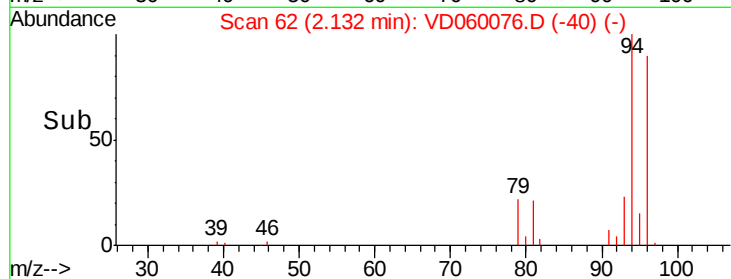
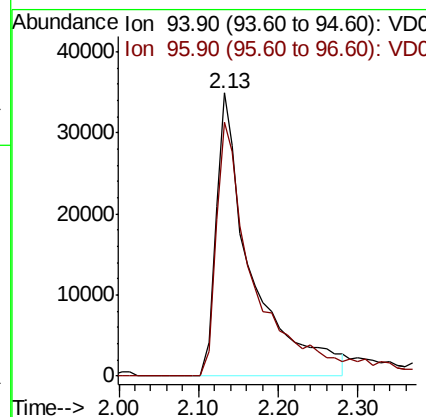
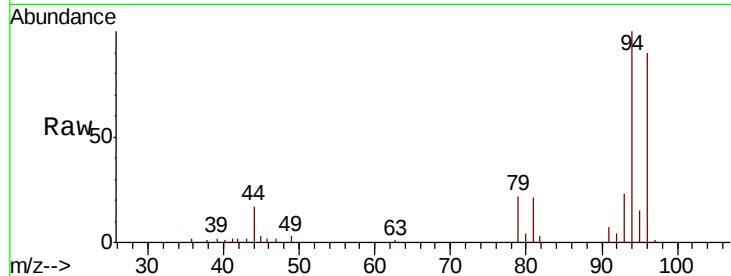
#5
Bromomethane
Concen: 72.765 ug/l
RT: 2.13 min Scan# 62
Delta R.T. 0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 107855
Ion Ratio Lower Upper
94 100
96 89.8 79.8 119.8

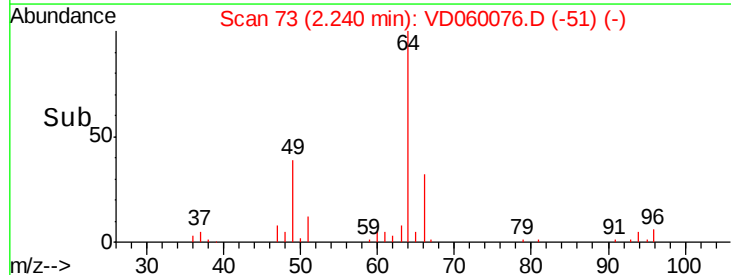
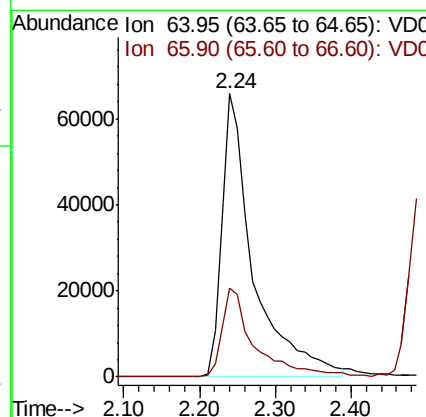
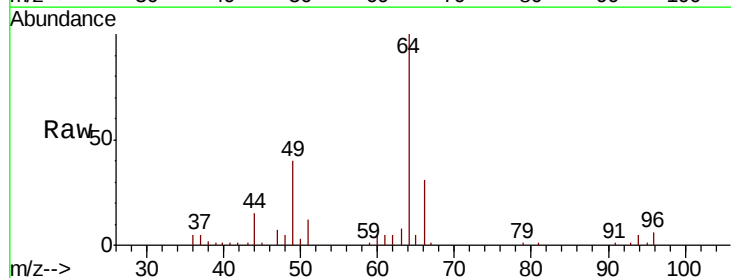
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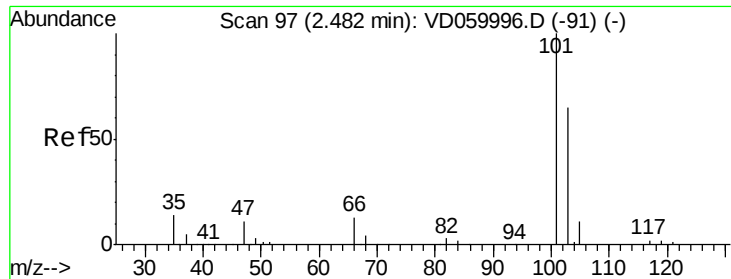
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#6
Chloroethane
Concen: 68.183 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 64 Resp: 190882
Ion Ratio Lower Upper
64 100
66 31.4 26.5 39.7





#7

Trichlorofluoromethane

Concen: 56.810 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 783213

Ion Ratio Lower Upper

101 100

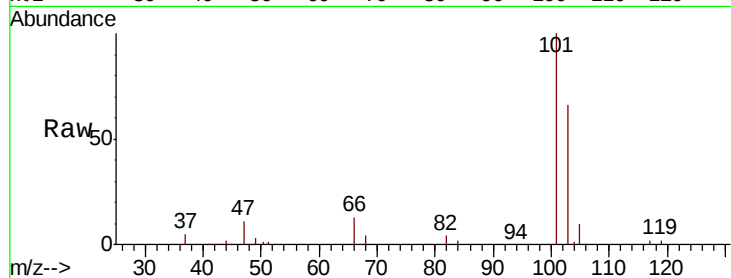
103 66.3 51.6 77.4

Manual Integrations

APPROVED

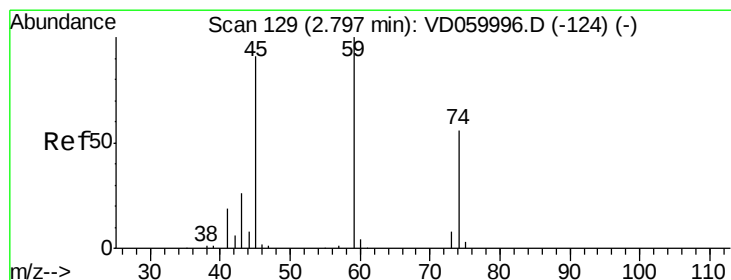
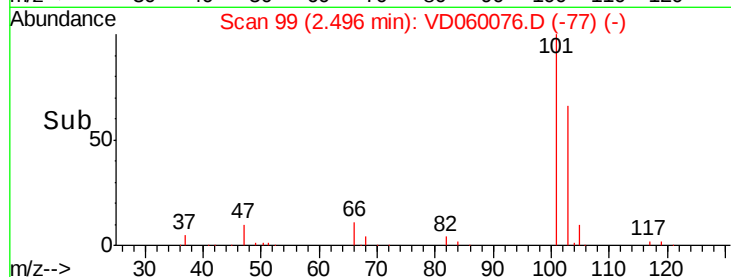
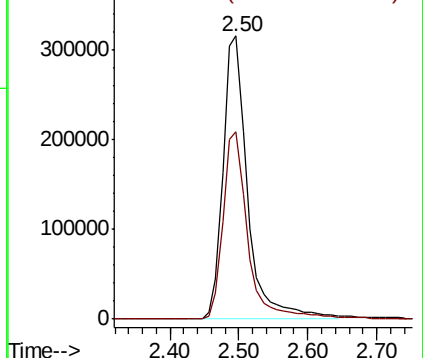
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 57.919 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060076.D

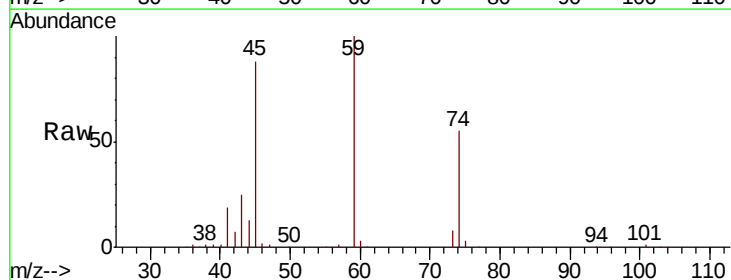
Acq: 24 Sep 2018 11:54

Tgt Ion: 74 Resp: 169743

Ion Ratio Lower Upper

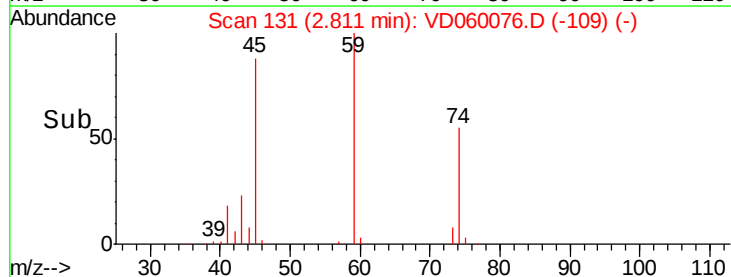
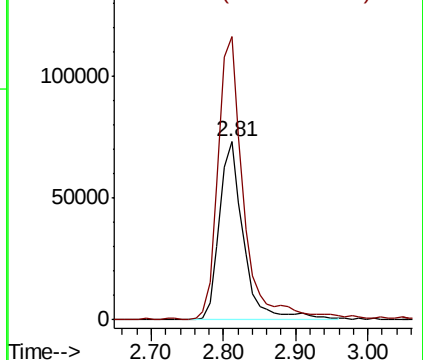
74 100

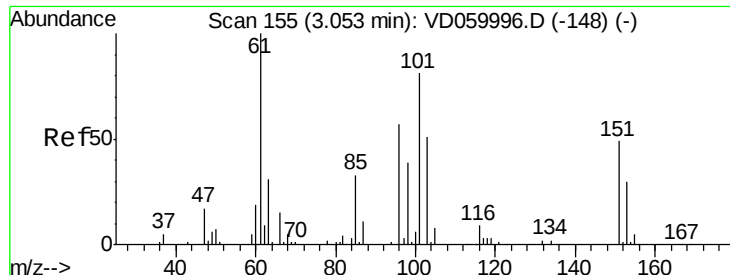
45 159.1 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.505 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

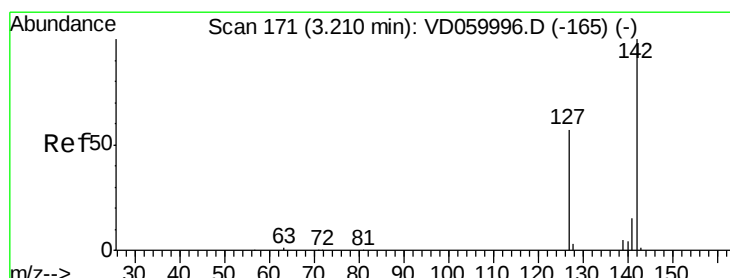
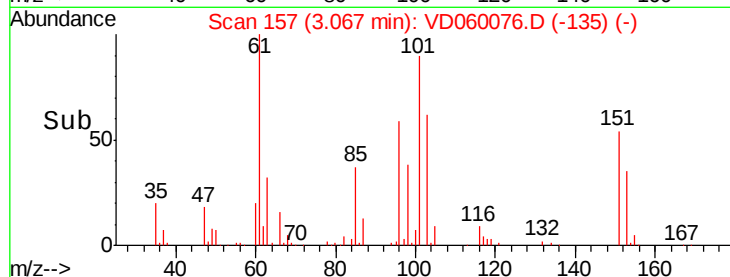
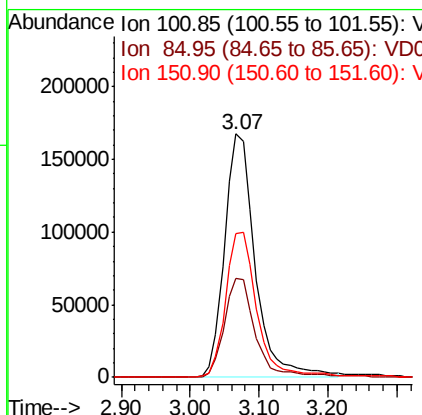
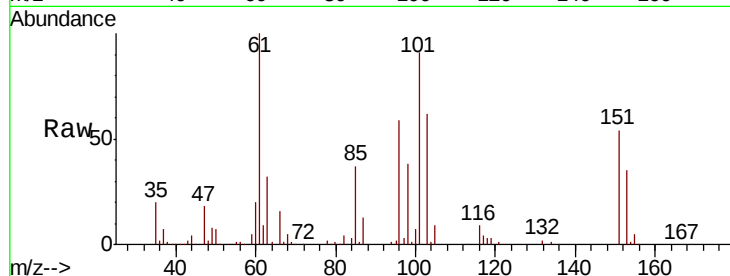
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	517305
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.1	49.7
151	59.0	48.2	72.4

Manual Integrations
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#10

Methyl Iodide

Concen: 59.487 ug/l

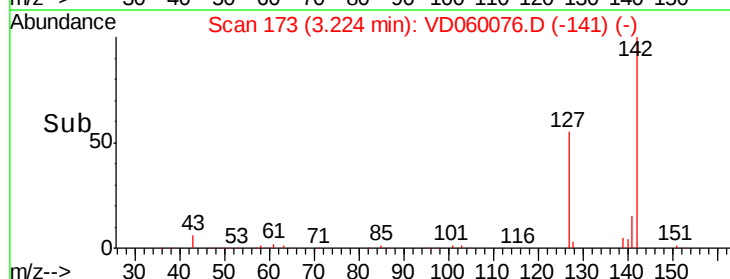
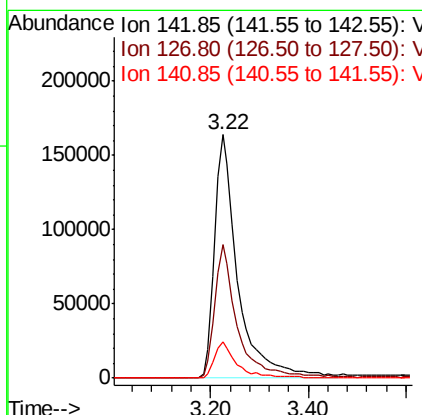
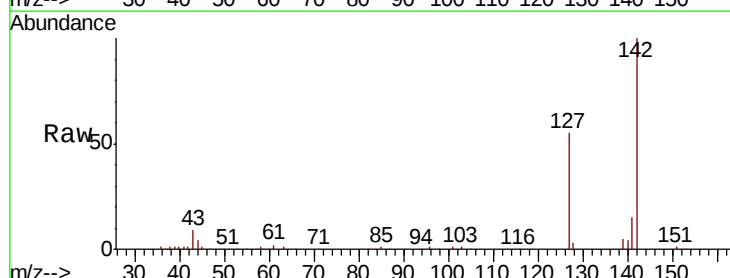
RT: 3.22 min Scan# 173

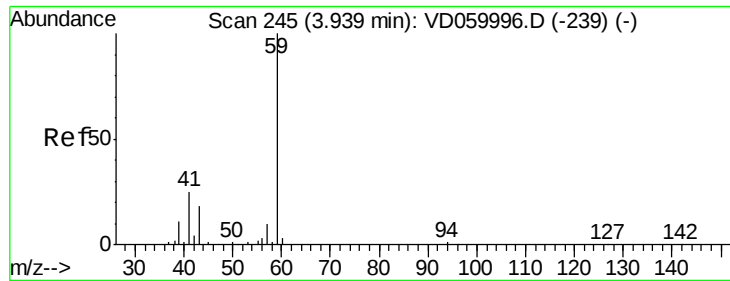
Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion:	142	Resp:	547727
Ion Ratio	Lower	Upper	
142	100		
127	54.6	45.8	68.8
141	14.8	12.2	18.4





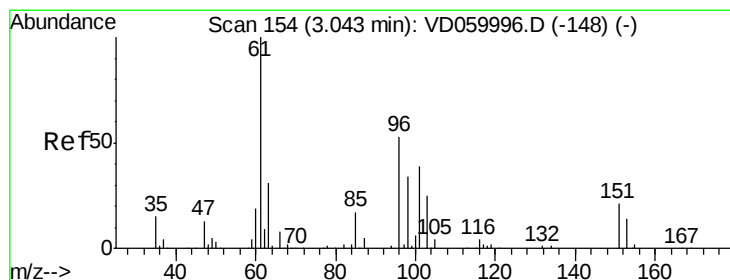
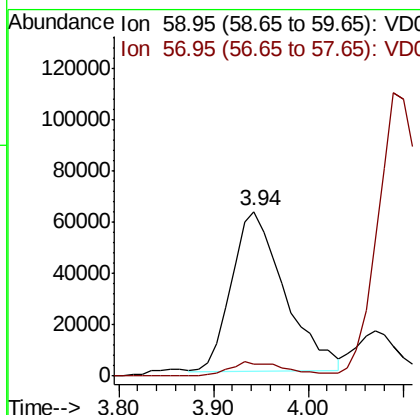
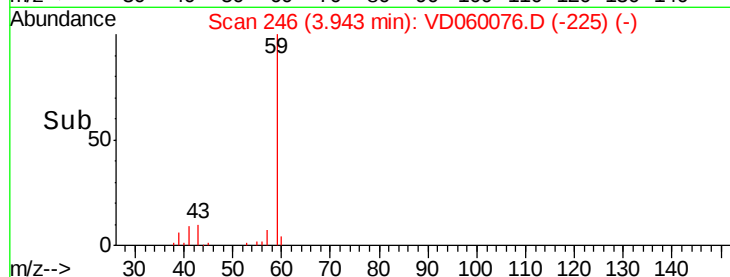
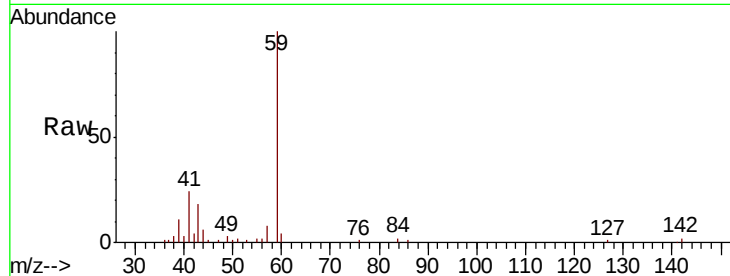
#11
Tert butyl alcohol
Concen: 229.910 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 241688
Ion Ratio Lower Upper
59 100
57 7.7 7.4 11.2

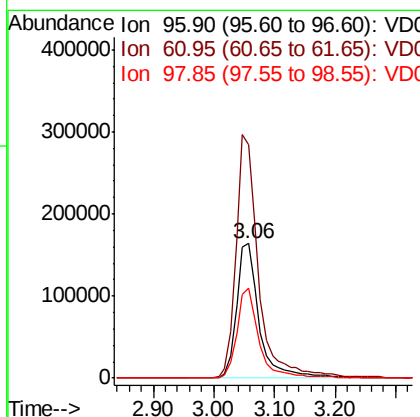
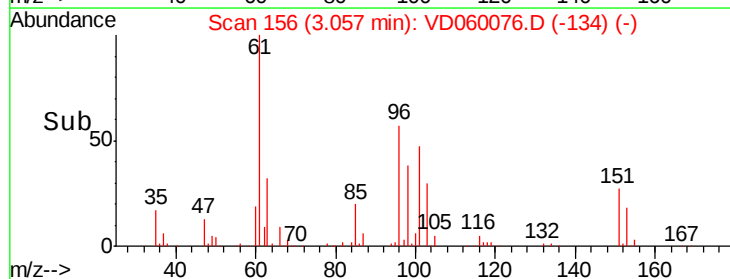
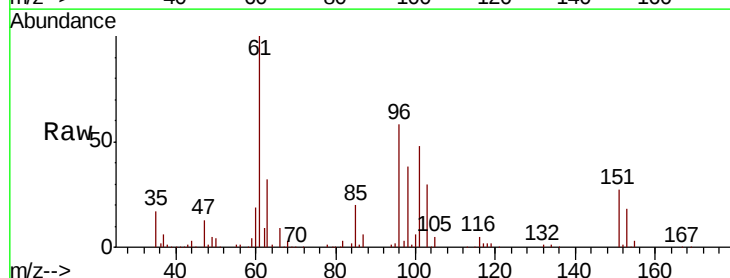
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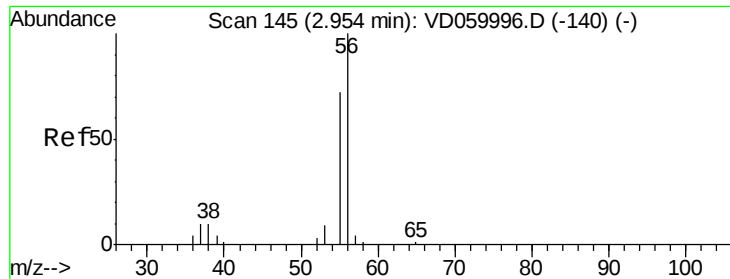
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#12
1,1-Dichloroethene
Concen: 61.584 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 96 Resp: 423317
Ion Ratio Lower Upper
96 100
61 173.4 149.8 224.6
98 66.6 50.2 75.4





#13

Acrolein

Concen: 199.464 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 129849

Ion Ratio Lower Upper

56 100

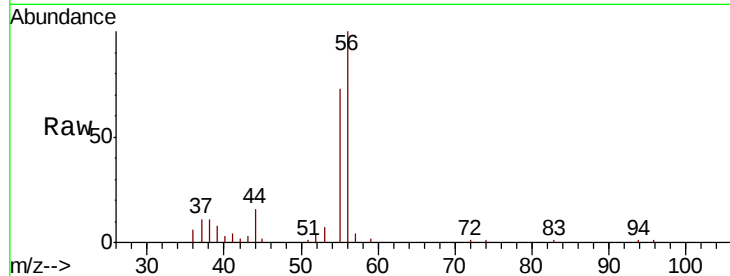
55 73.0 58.3 87.5

Manual Integrations

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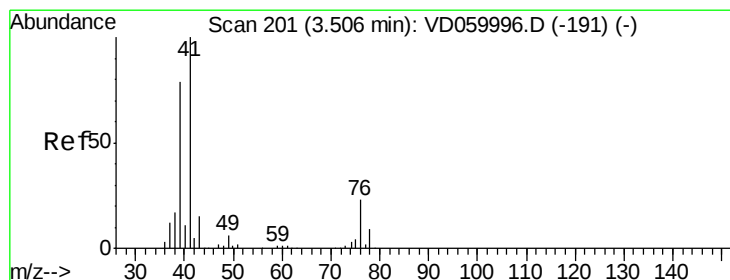
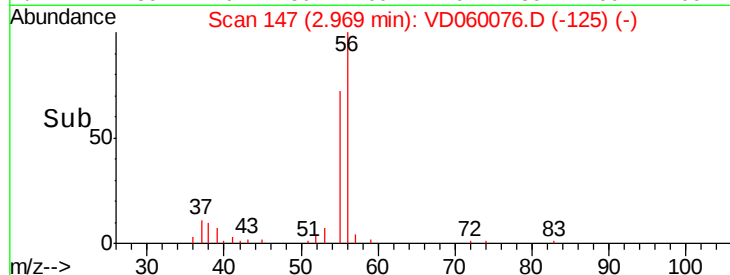
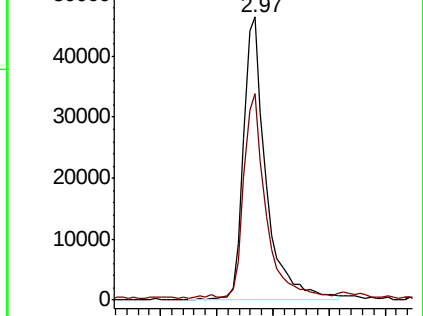
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 59.238 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

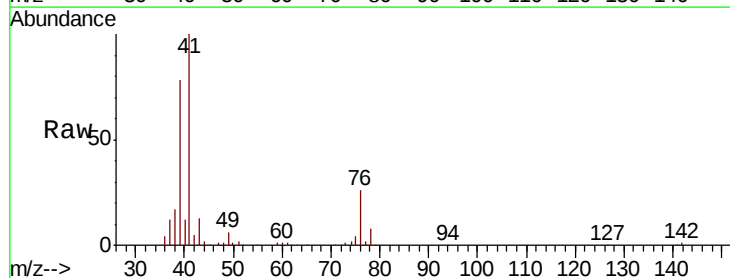
Tgt Ion: 41 Resp: 858739

Ion Ratio Lower Upper

41 100

39 78.2 63.6 95.4

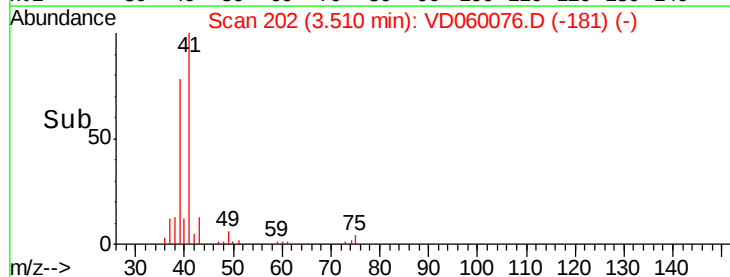
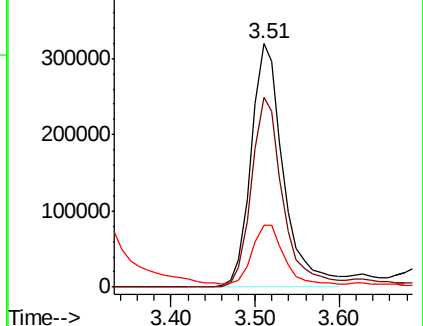
76 25.5 21.1 31.7

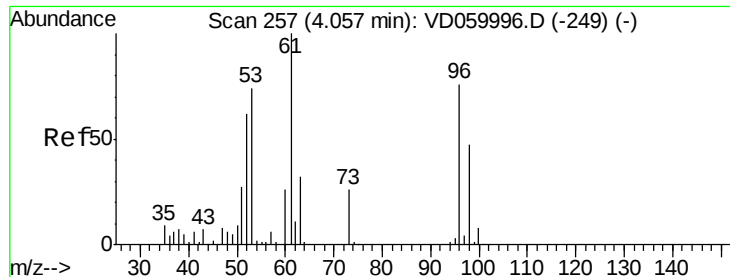


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 263.414 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1045251

Ion Ratio Lower Upper

53 100

52 84.5 66.7 100.1

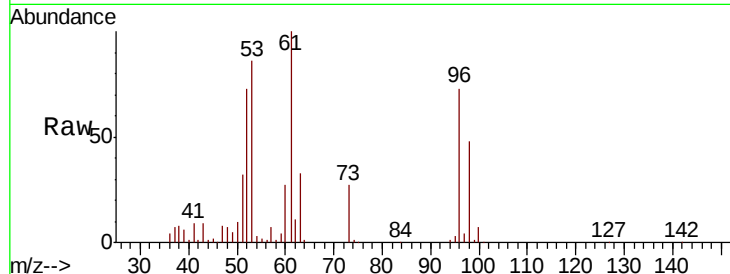
51 36.8 29.0 43.6

Manual Integrations

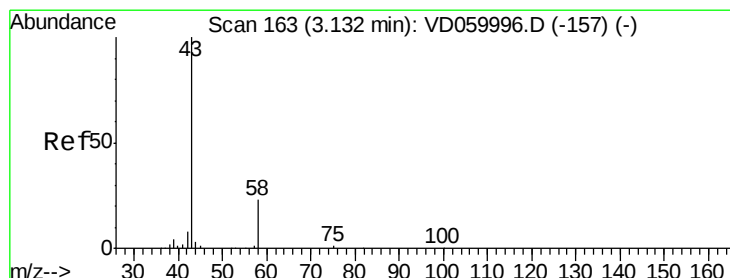
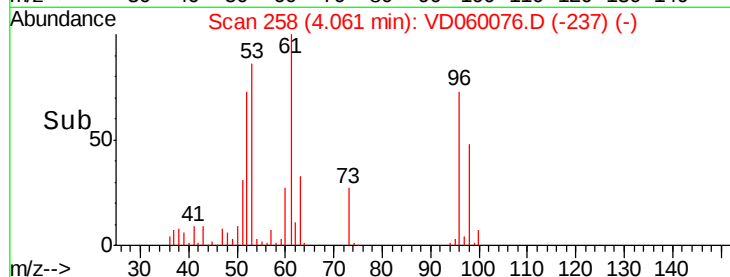
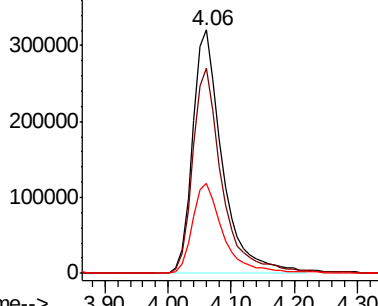
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 273.211 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060076.D

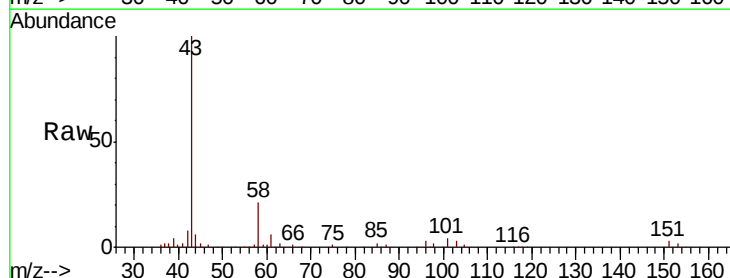
Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 687212

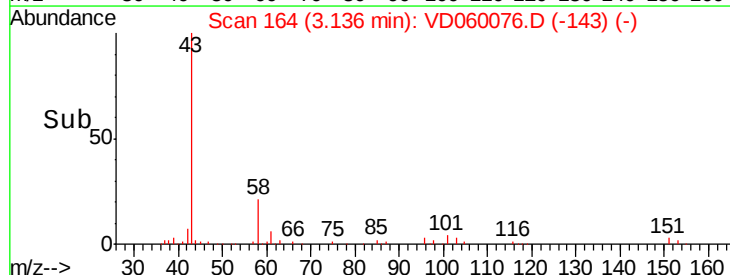
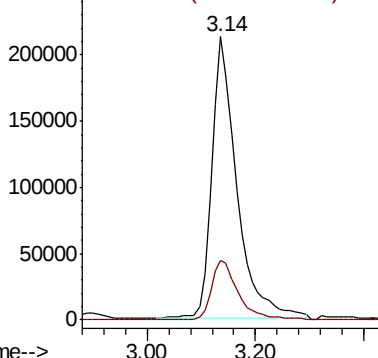
Ion Ratio Lower Upper

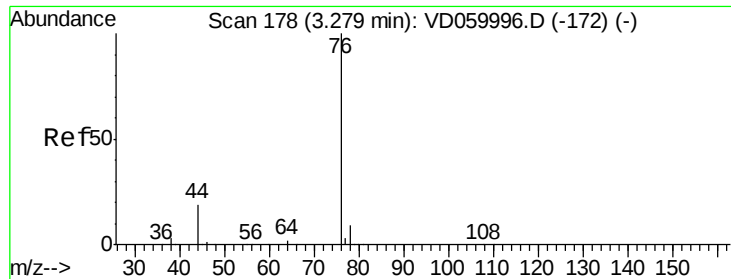
43 100

58 21.0 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





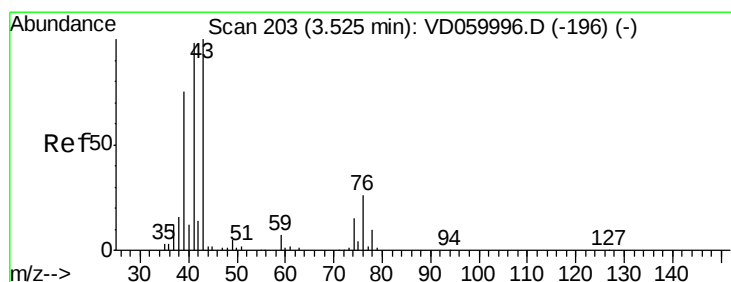
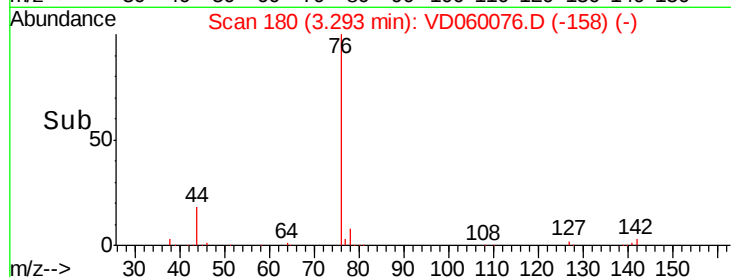
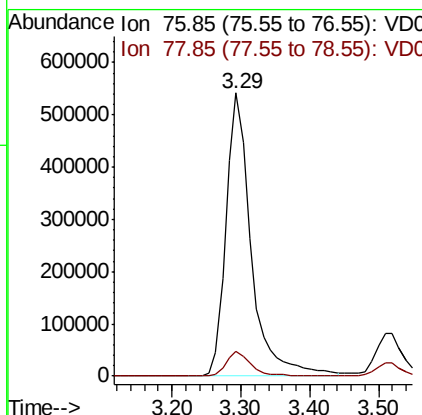
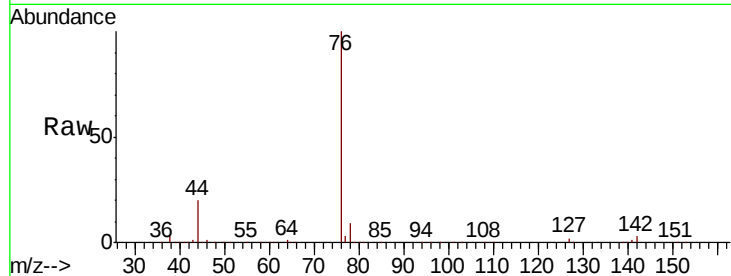
#17
Carbon Disulfide
Concen: 58.035 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1374489
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4

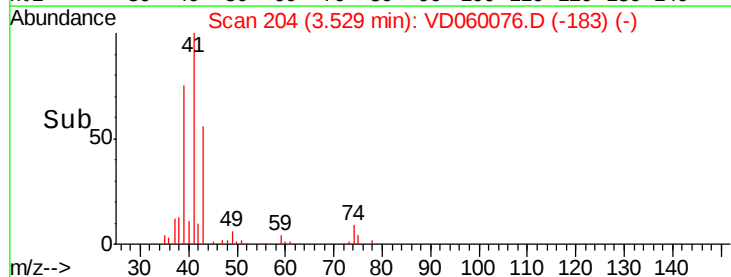
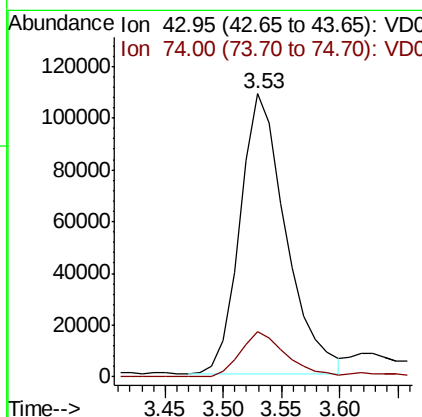
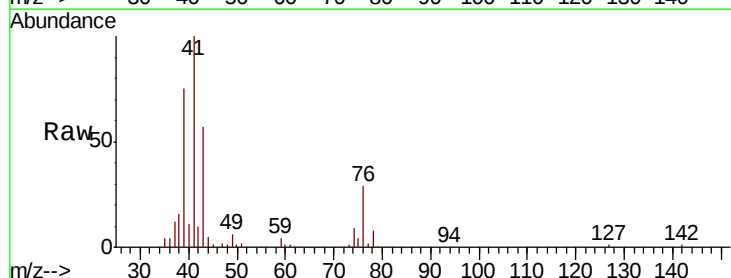
Manual Integrations
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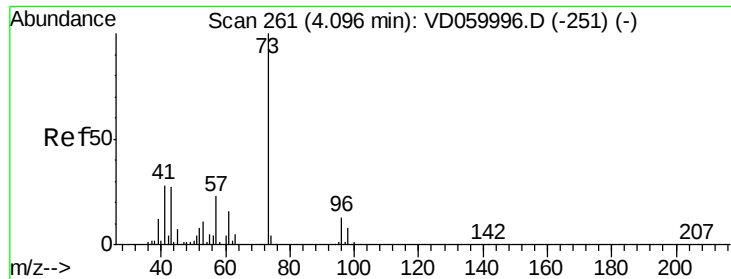
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#18
Methyl Acetate
Concen: 57.847 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 295911
Ion Ratio Lower Upper
43 100
74 16.0 11.8 17.8





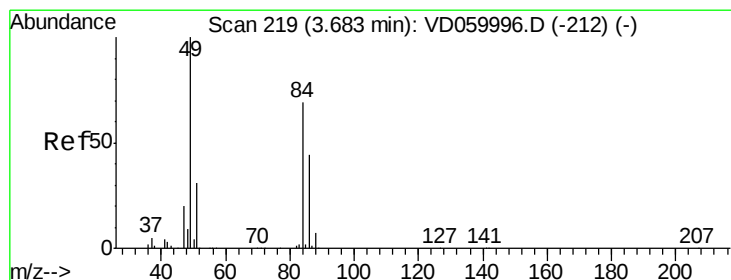
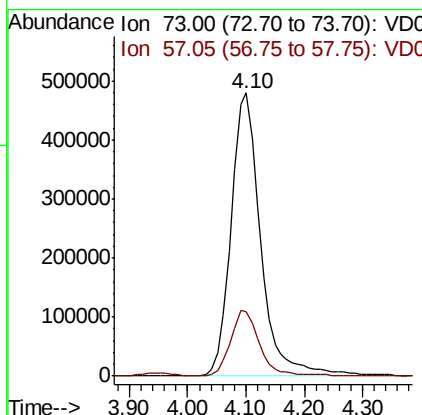
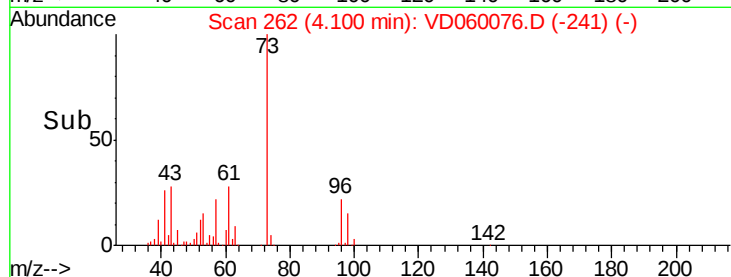
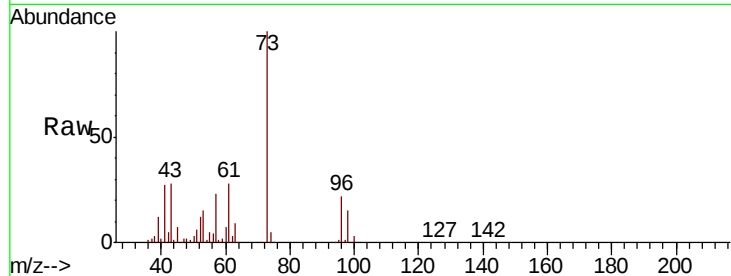
#19
Methvl tert-butvl Ether
Concen: 52.937 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1681325
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

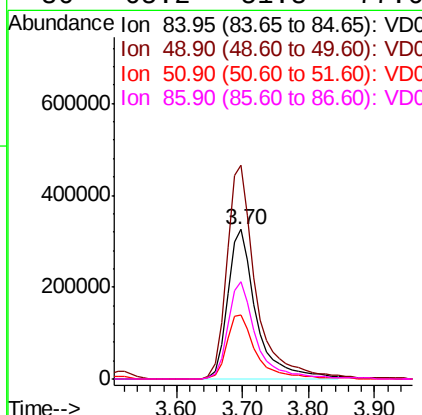
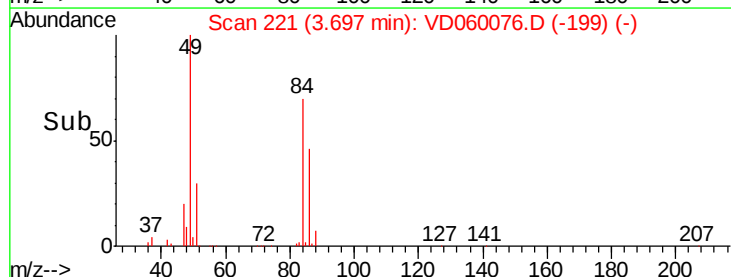
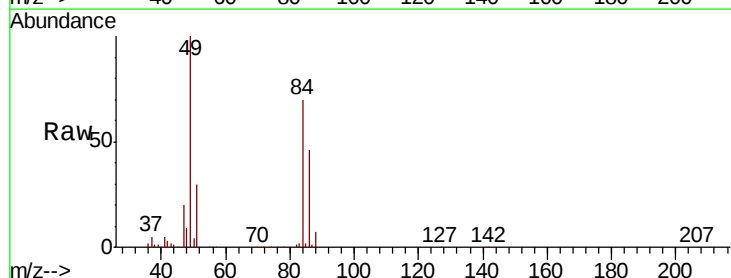
Manual Integrations
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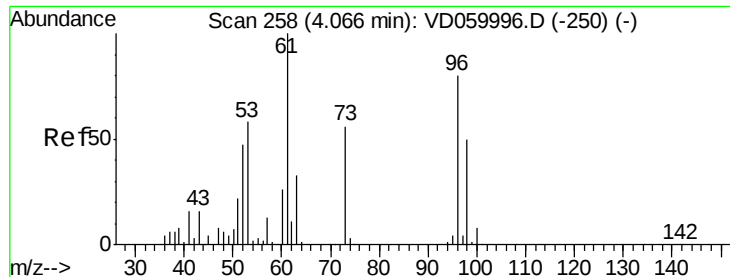
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#20
Methylene Chloride
Concen: 56.191 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 84 Resp: 989700
Ion Ratio Lower Upper
84 100
49 143.1 116.6 175.0
51 43.3 35.9 53.9
86 65.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 53.304 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

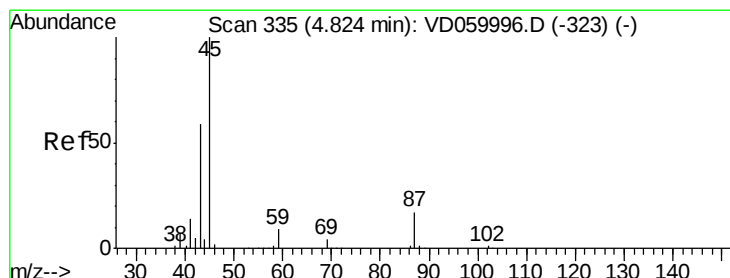
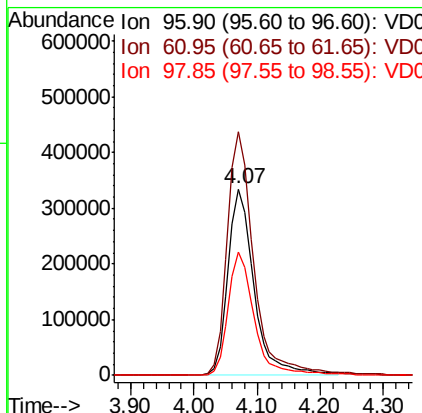
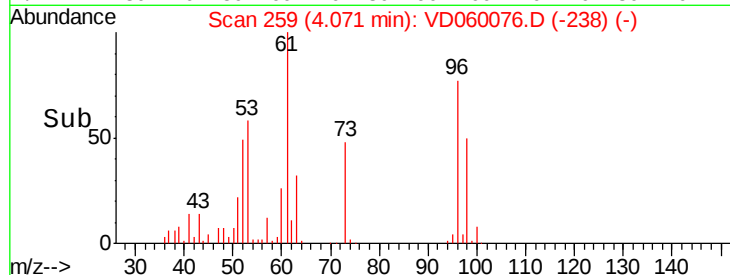
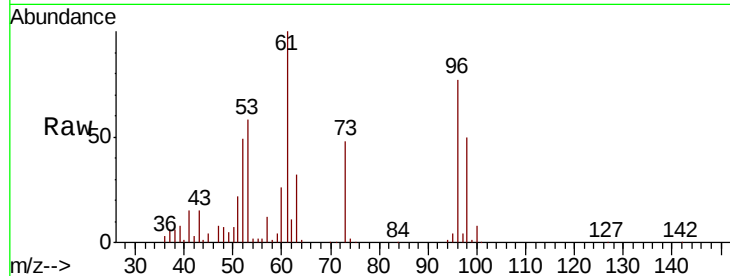
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	961516
Ion	Ratio	Lower	Upper
96	100		
61	130.4	100.1	150.1
98	65.7	49.5	74.3

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#22

Diisopropyl ether

Concen: 53.605 ug/l

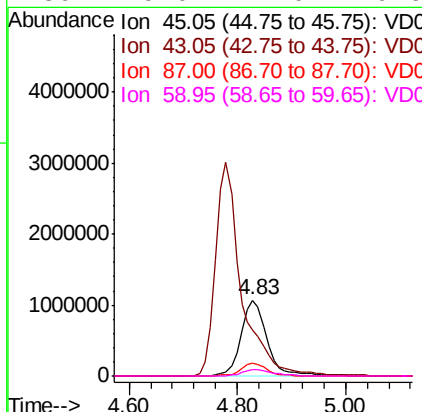
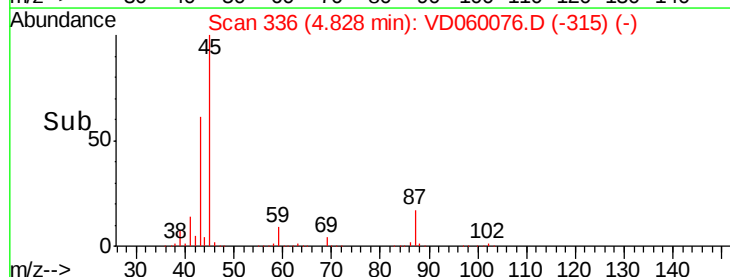
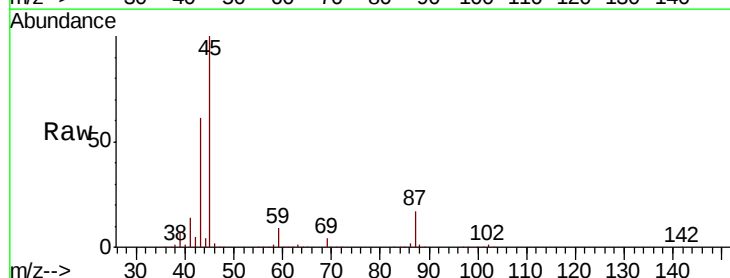
RT: 4.83 min Scan# 336

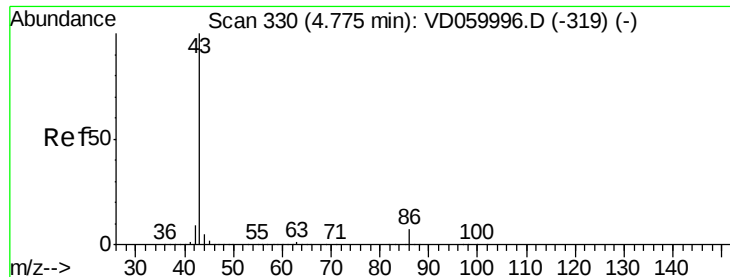
Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion:	45	Resp:	3544634
Ion	Ratio	Lower	Upper
45	100		
43	60.6	47.1	70.7
87	17.0	14.2	21.2
59	9.0	7.0	10.6





#23

Vinyl Acetate

Concen: 263.941 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9887645

Ion Ratio Lower Upper

43 100

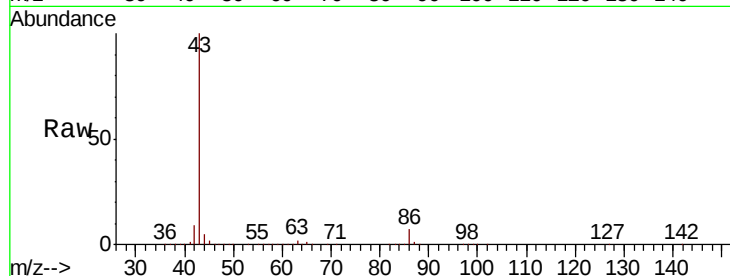
86 6.9 5.5 8.3

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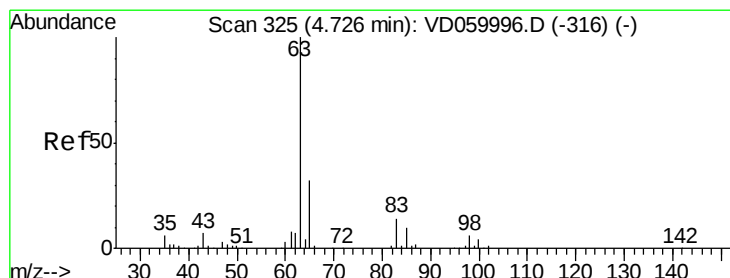
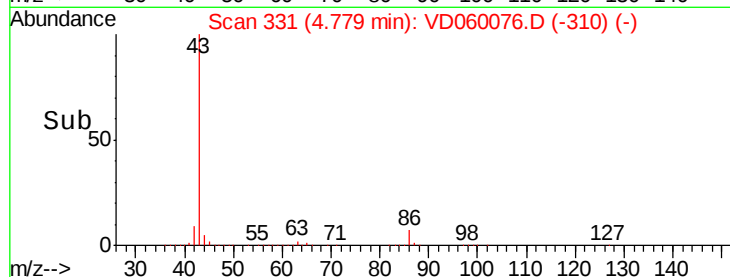
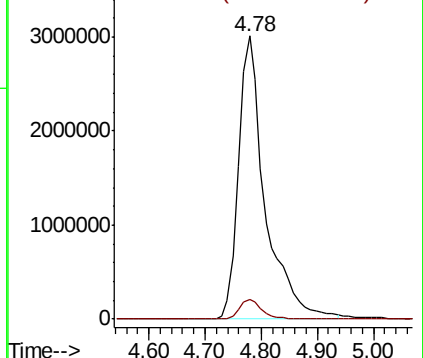
apatel

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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: 55.344 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

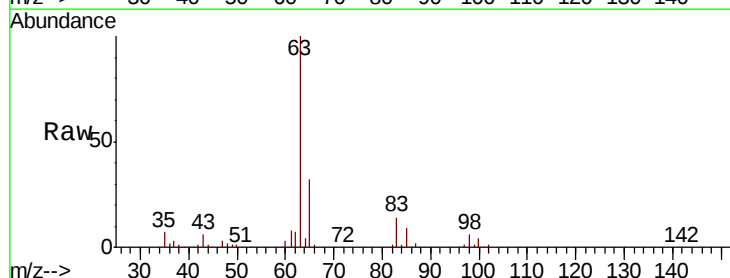
Tgt Ion: 63 Resp: 1642291

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

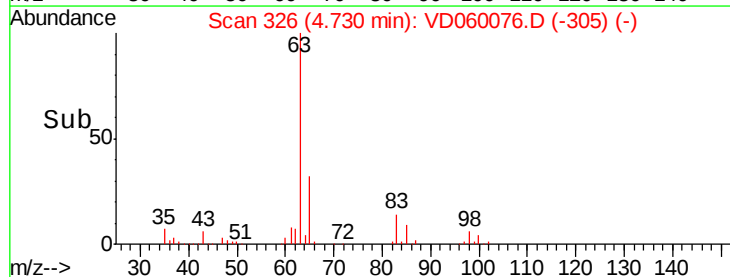
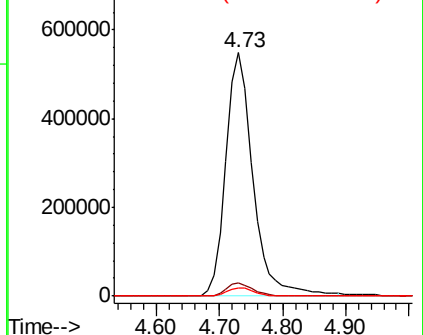
100 3.5 1.8 5.4

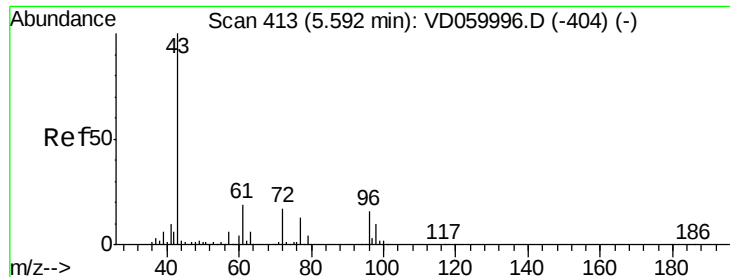


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 233.416 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1584315

Ion Ratio Lower Upper

43 100

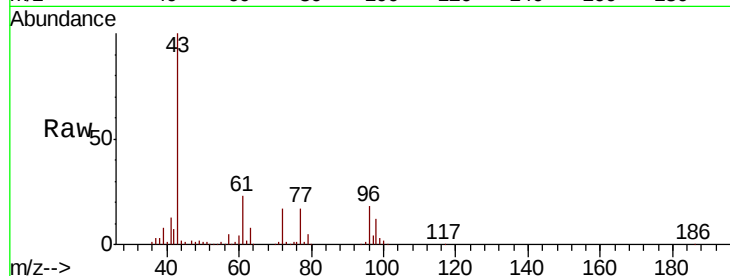
72 17.4 13.6 20.4

Manual Integrations

APPROVED

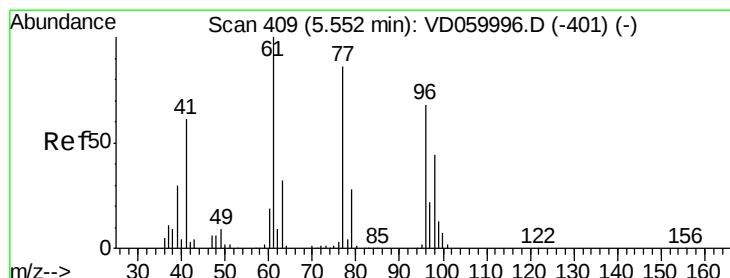
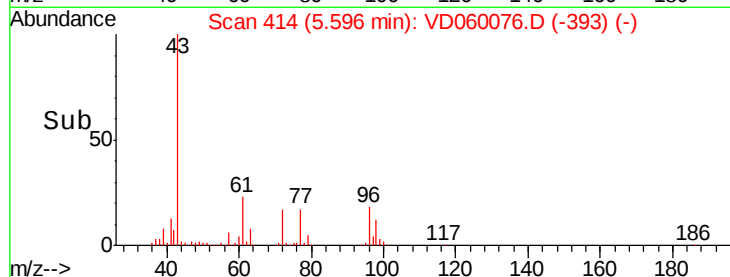
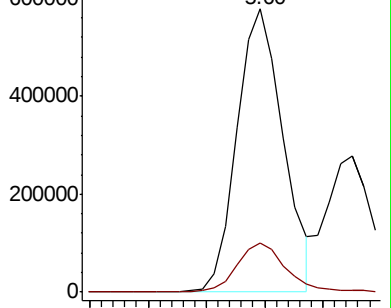
apatel

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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: 56.057 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060076.D

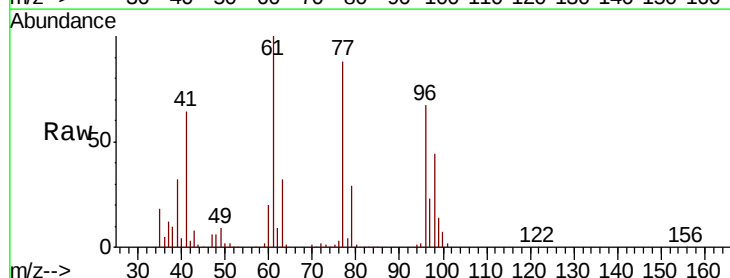
Acq: 24 Sep 2018 11:54

Tgt Ion: 77 Resp: 1293250

Ion Ratio Lower Upper

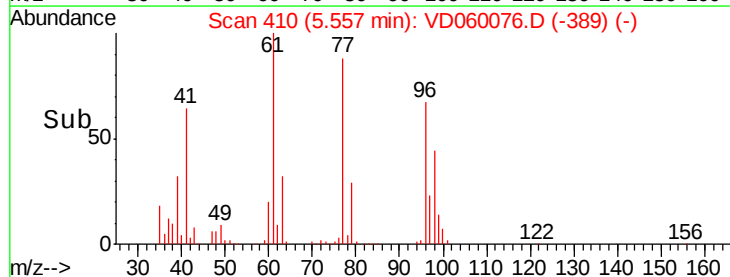
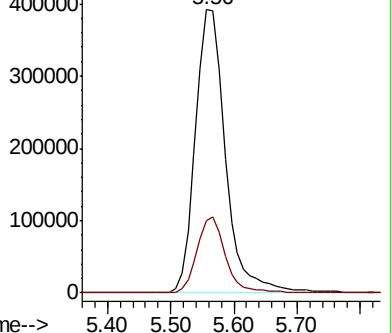
77 100

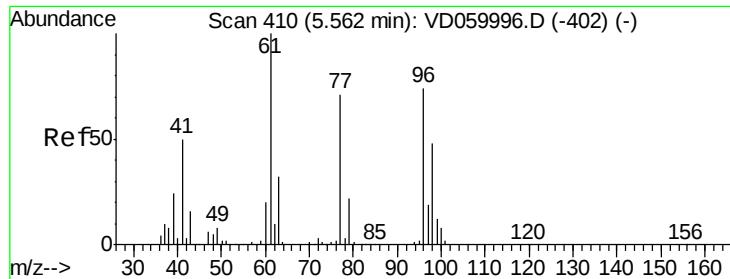
97 25.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

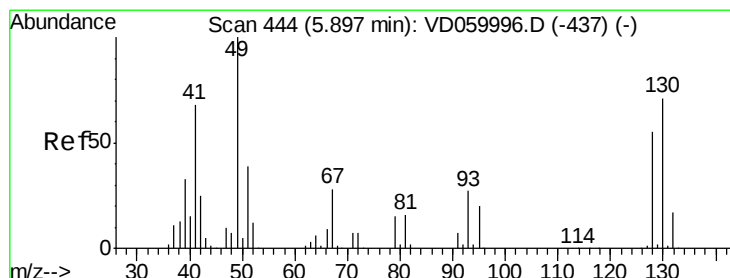
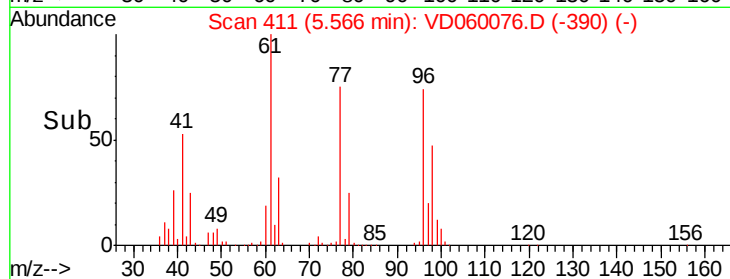
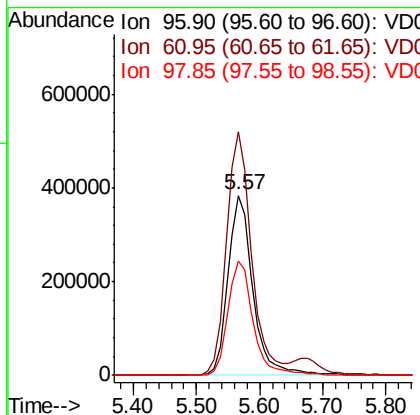
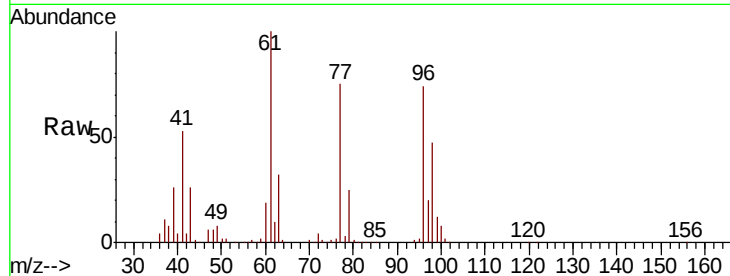
cis-1,2-Dichloroethene
Concen: 55.312 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	269.6
98	63.7	0.0	128.4

Manual Integrations
APPROVED

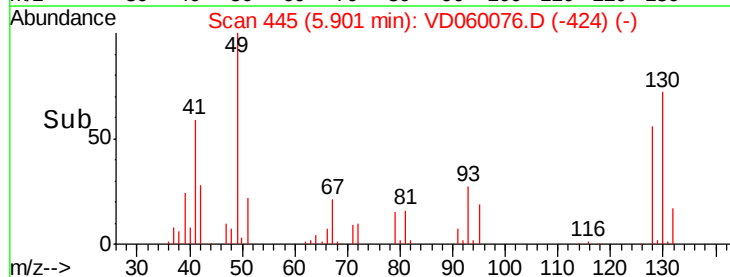
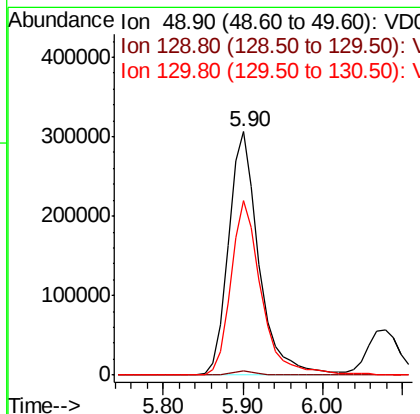
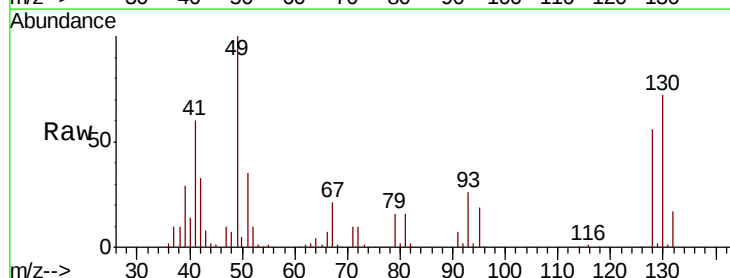
apatel
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#28

Bromochloromethane
Concen: 57.081 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	71.9	57.1	85.7





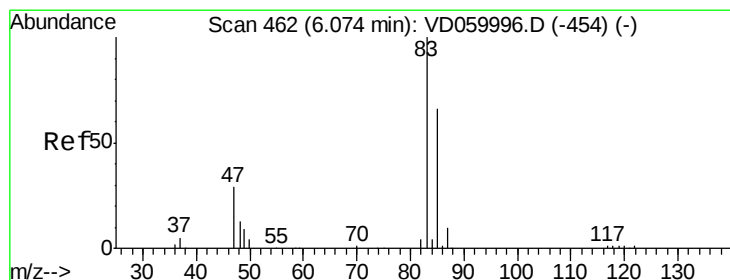
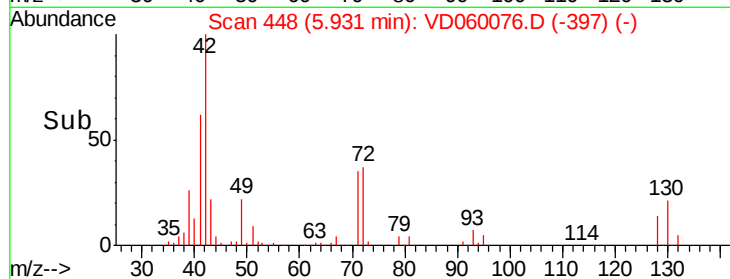
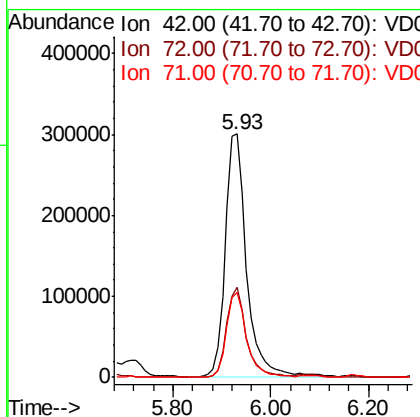
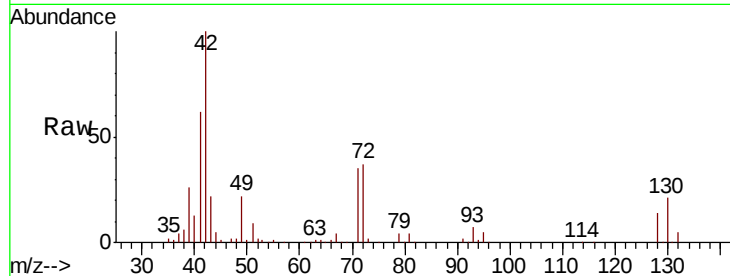
#29
Tetrahydrofuran
Concen: 249.384 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	26.9	40.3
71	33.2	26.2	39.4

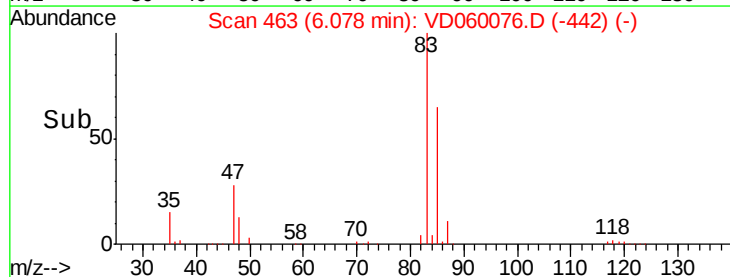
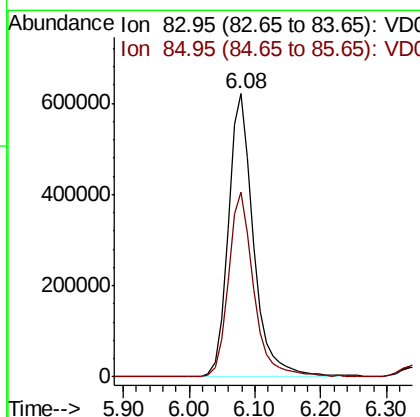
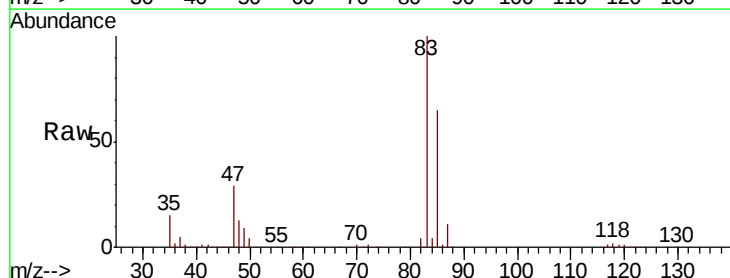
Manual Integrations
APPROVED

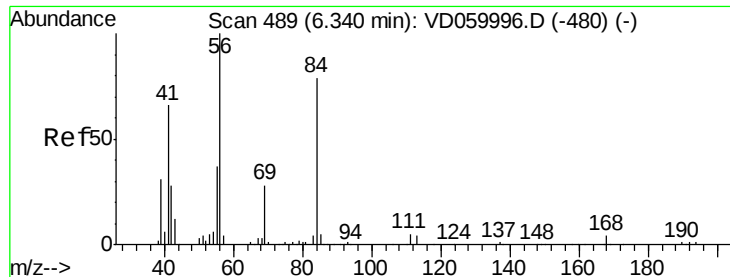
apatel
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#30
Chloroform
Concen: 55.296 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.6	78.8





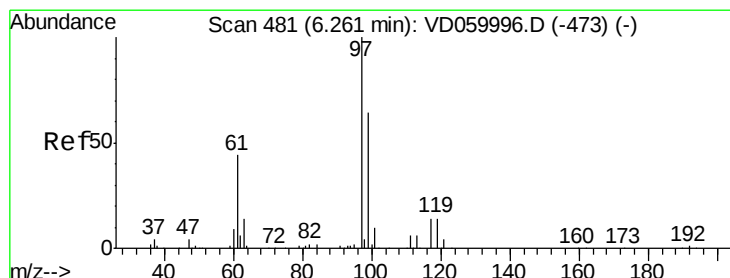
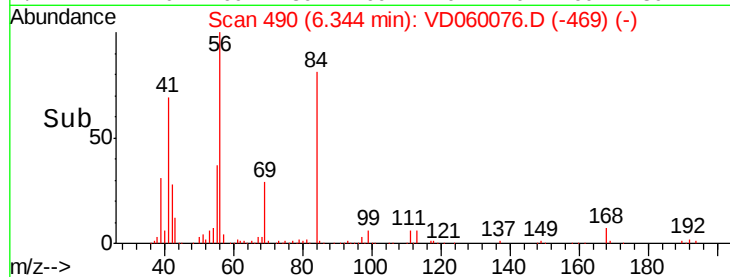
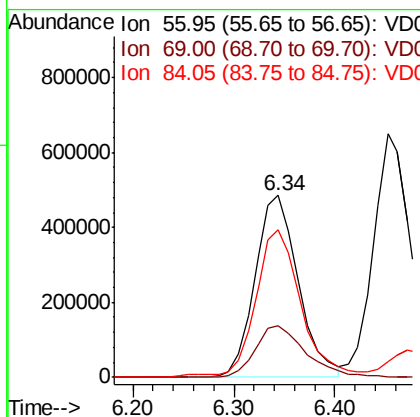
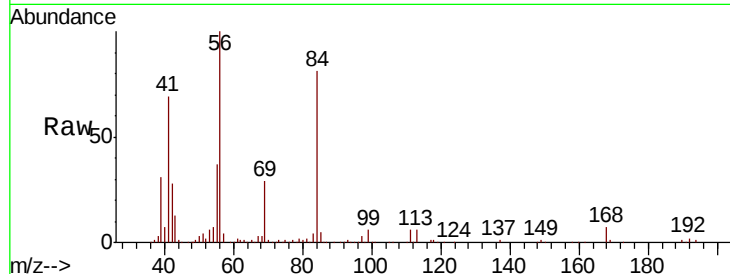
#31
Cyclohexane
Concen: 49.807 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1441076
Ion Ratio Lower Upper
56 100
69 28.7 22.7 34.1
84 81.1 64.0 96.0

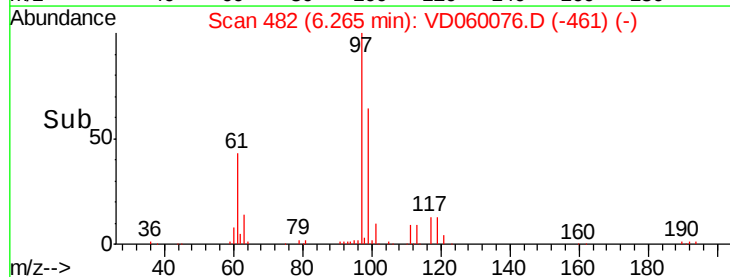
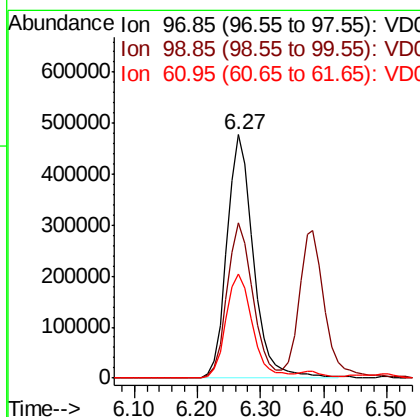
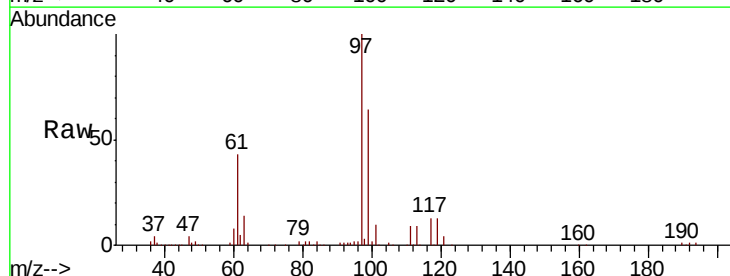
Manual Integrations
APPROVED

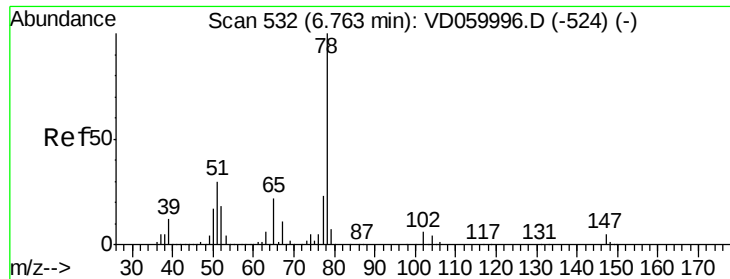
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#32
1,1,1-Trichloroethane
Concen: 55.259 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 97 Resp: 1379192
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 42.9 35.5 53.3





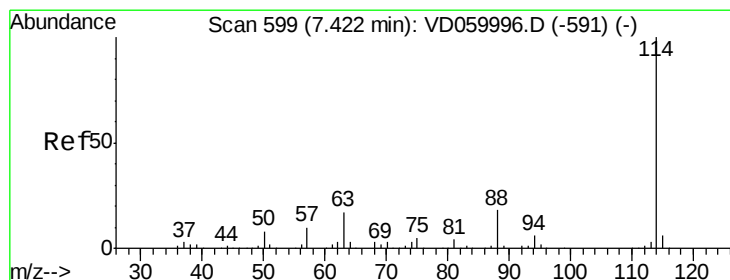
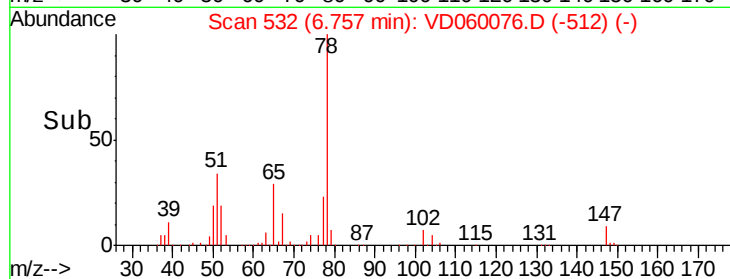
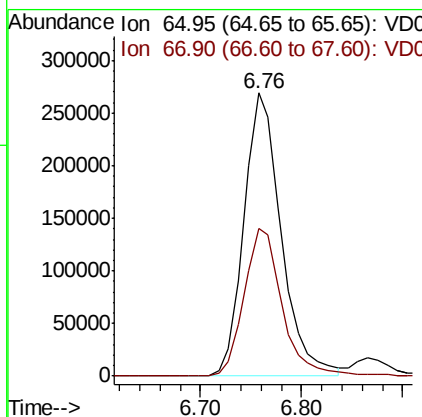
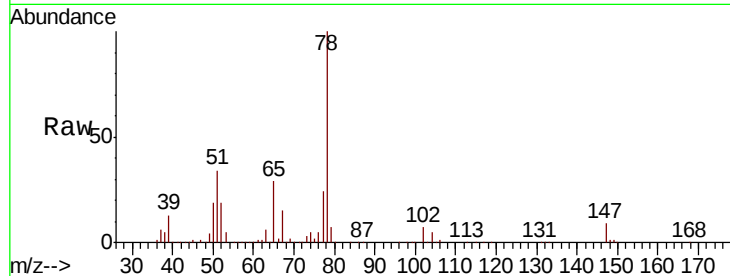
#33
 1,2-Dichloroethane-d4
 Concen: 55.259 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	692075		
67	52.1	0.0	104.8	

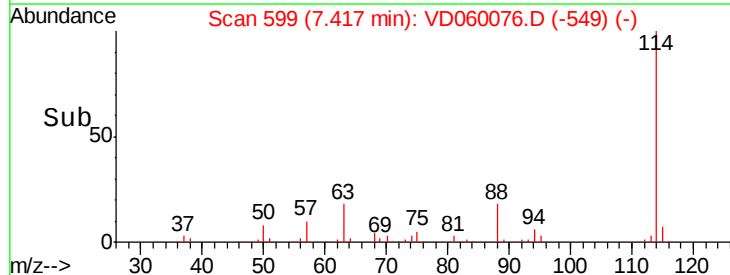
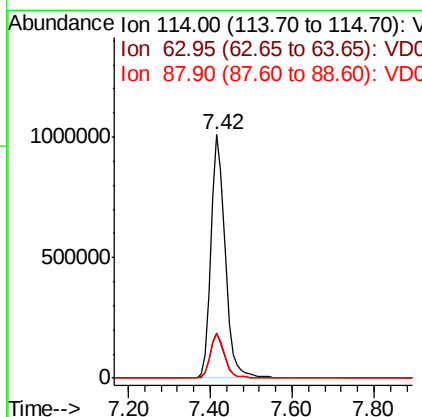
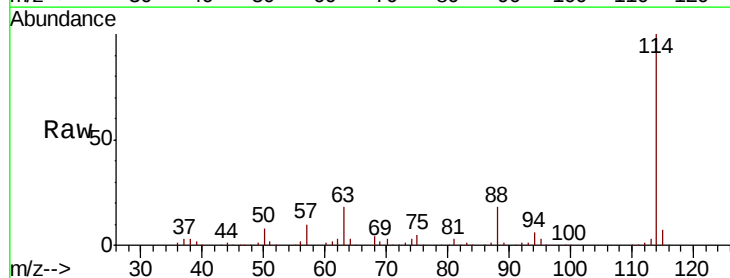
Manual Integrations
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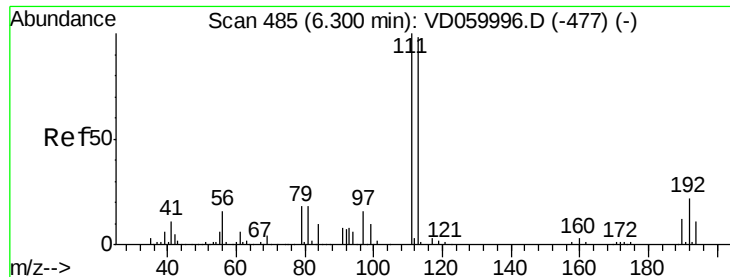
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2435873		
63	18.4	0.0	34.4	
88	18.2	0.0	35.8	





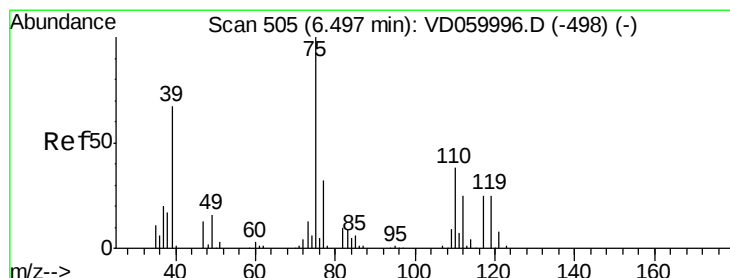
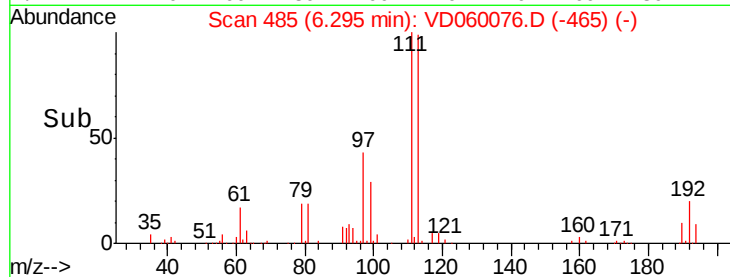
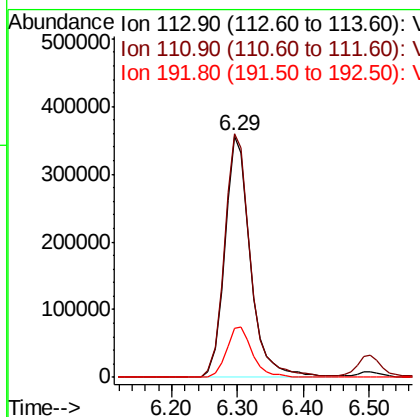
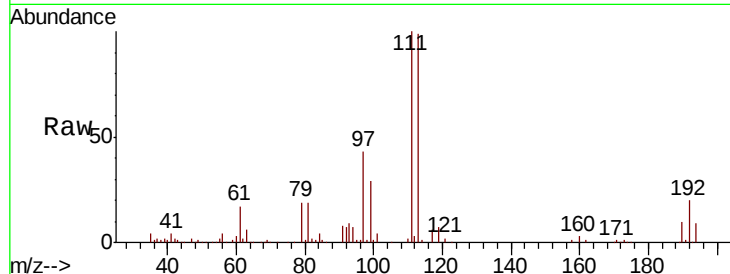
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	967379		
111	100.9	81.3	121.9	
192	20.3	18.1	27.1	

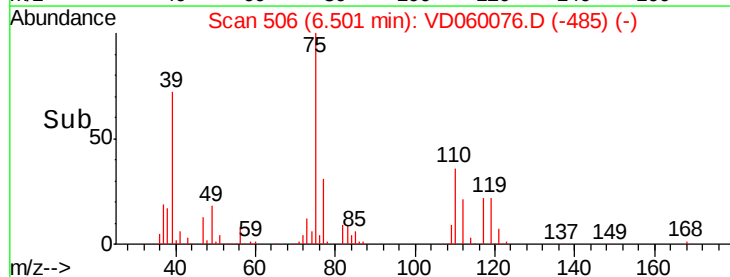
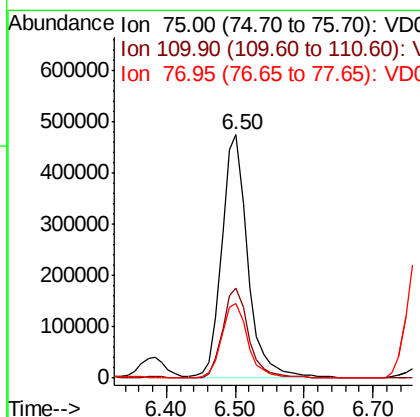
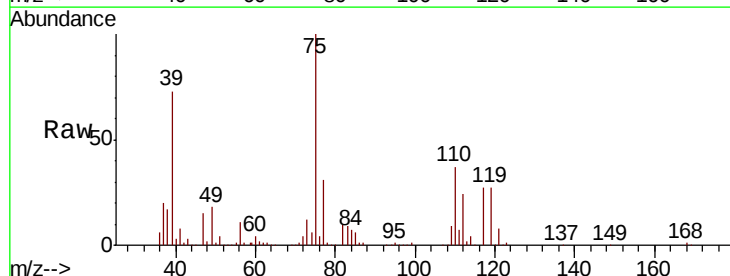
Manual Integrations
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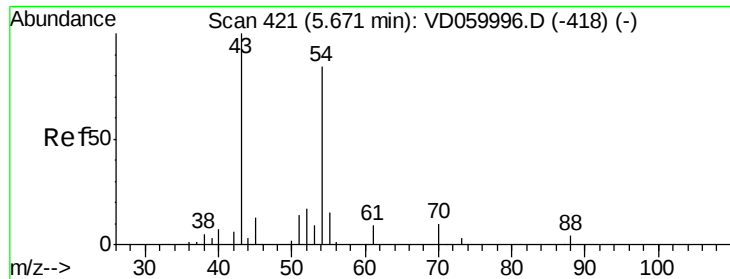
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#36
 1,1-Dichloropropene
 Concen: 50.609 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1224559		
110	37.0	18.9	56.9	
77	30.8	25.3	37.9	





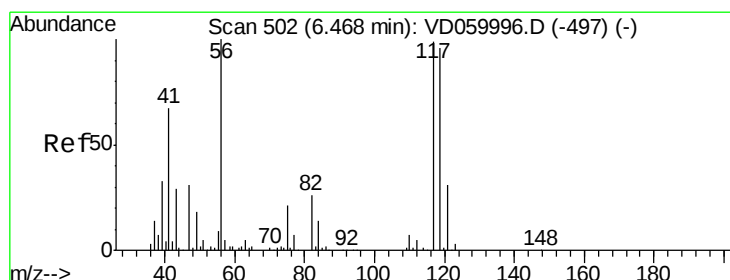
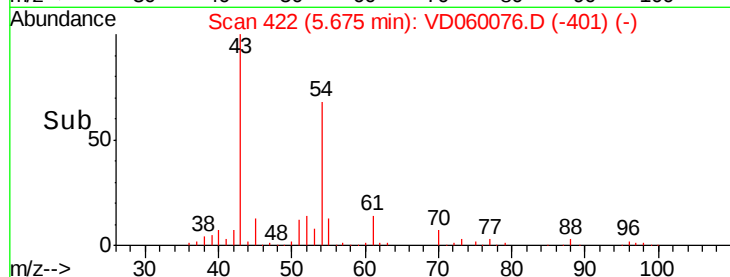
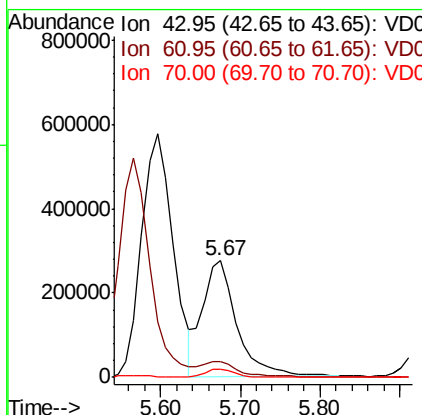
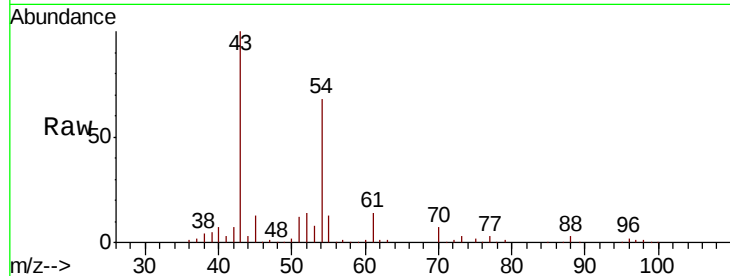
#37
Ethyl Acetate
Concen: 48.734 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.2
70	7.3	6.1	9.1

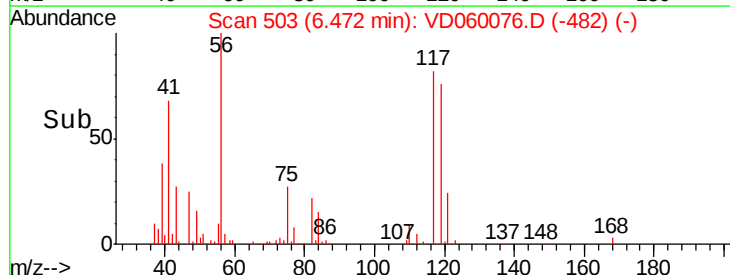
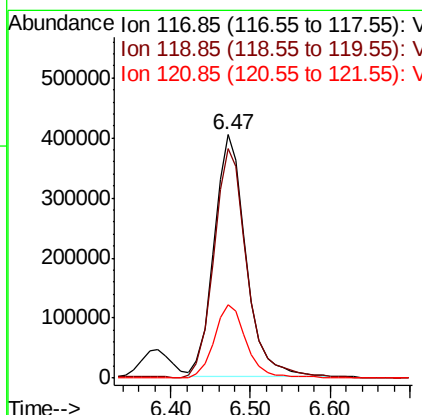
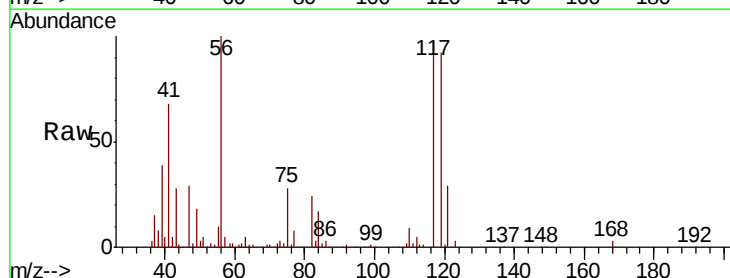
Manual Integrations
APPROVED

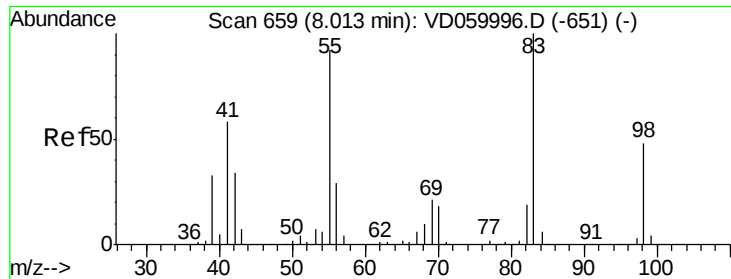
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#38
Carbon Tetrachloride
Concen: 50.133 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.7	115.1
121	29.9	24.9	37.3





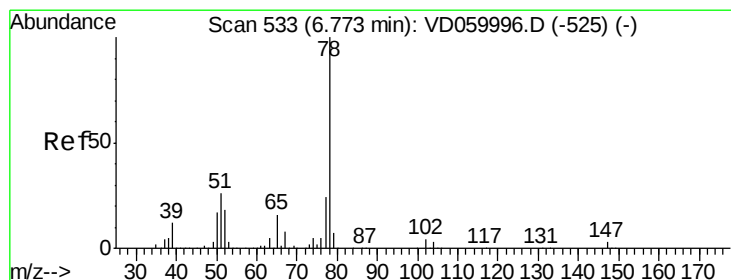
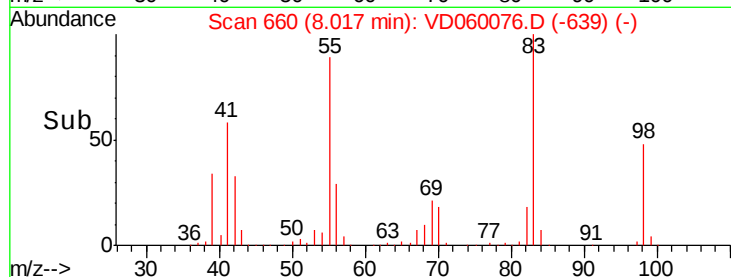
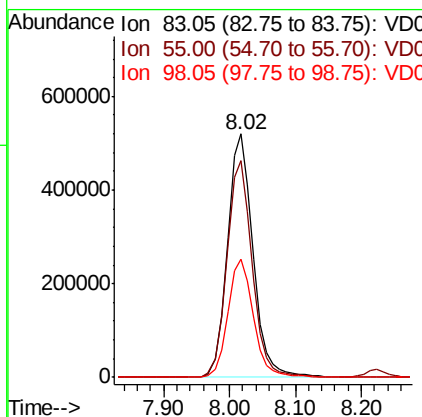
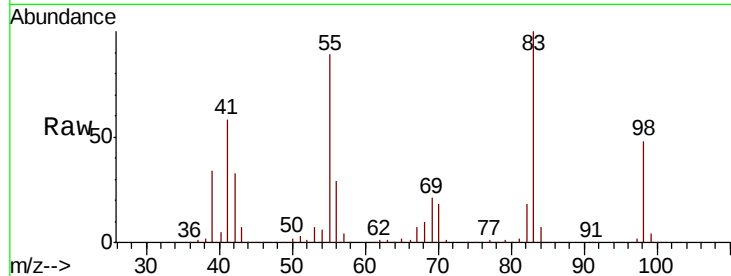
#39
Methvlcvclohexane
Concen: 51.664 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1414137
Ion Ratio Lower Upper
83 100
55 89.1 73.8 110.6
98 48.4 38.1 57.1

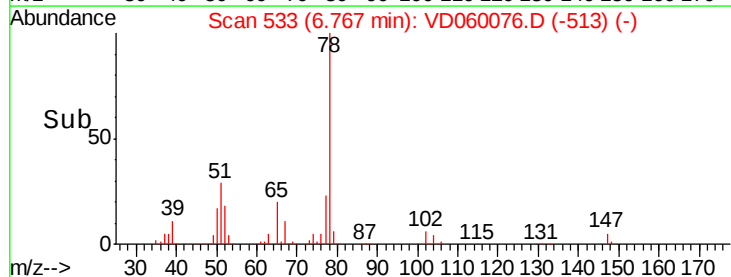
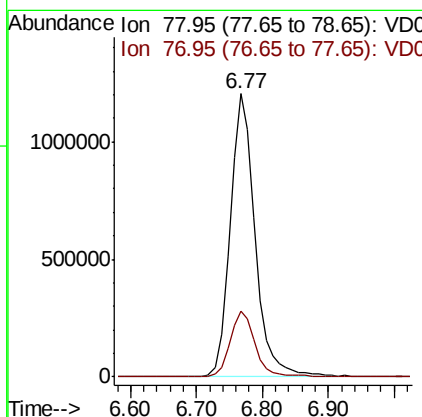
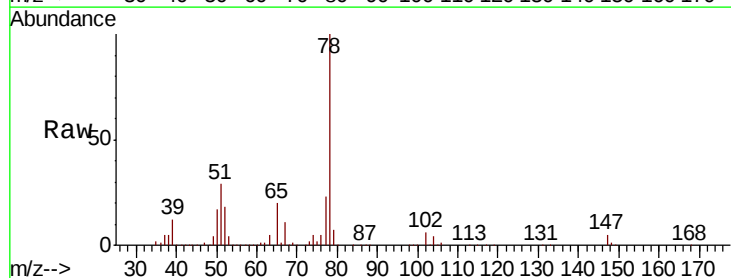
Manual Integrations
APPROVED

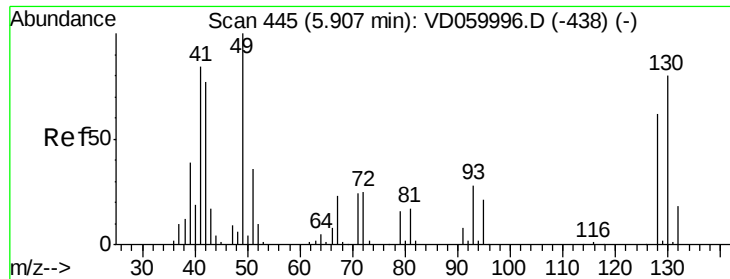
apatel
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#40
Benzene
Concen: 51.487 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 78 Resp: 3175287
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





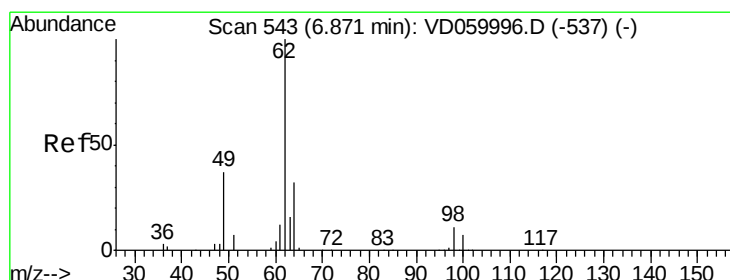
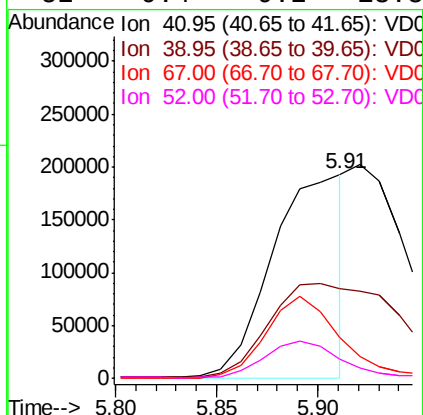
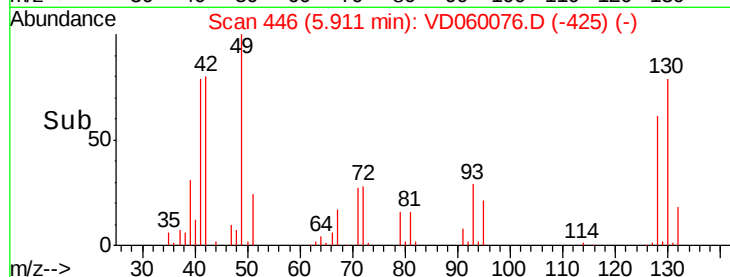
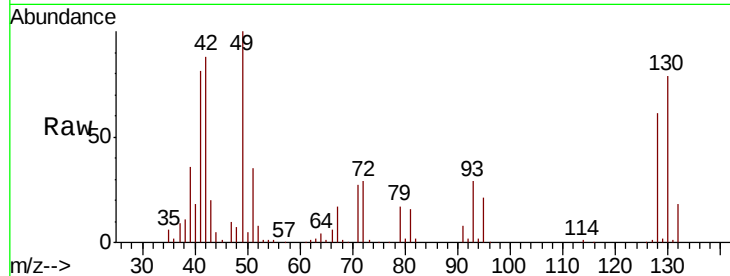
#41
Methacrylonitrile
Concen: 55.905 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.9	37.5	56.3
67	20.3	21.5	32.3
52	9.4	9.2	13.8

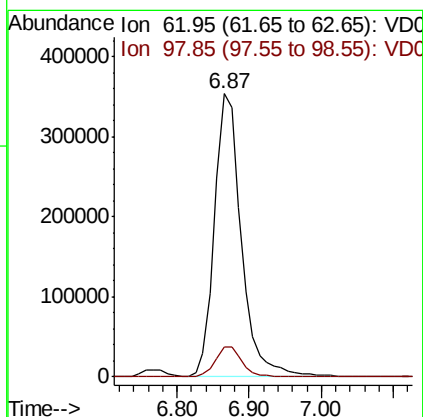
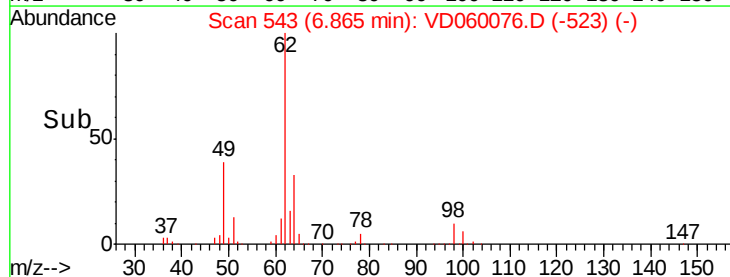
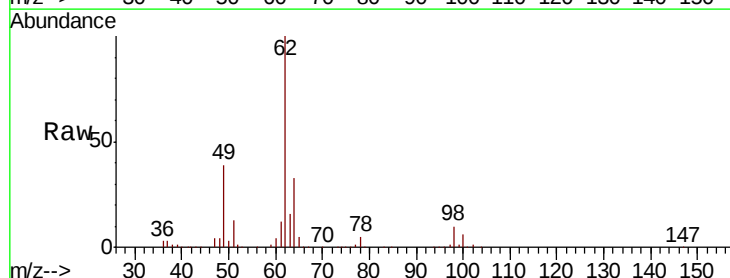
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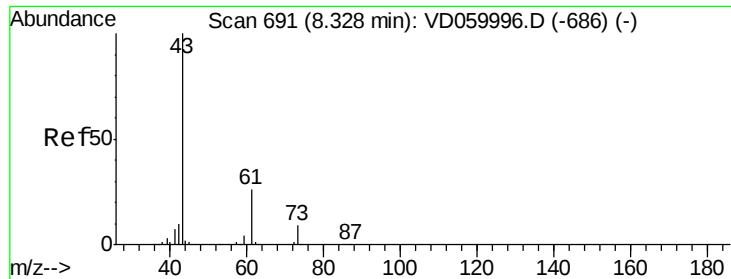
apatel
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#42
1,2-Dichloroethane
Concen: 48.691 ug/l
RT: 6.87 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4





#43

Isopropyl Acetate

Concen: 48.161 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1072966

Ion Ratio Lower Upper

43 100

61 26.5 21.0 31.6

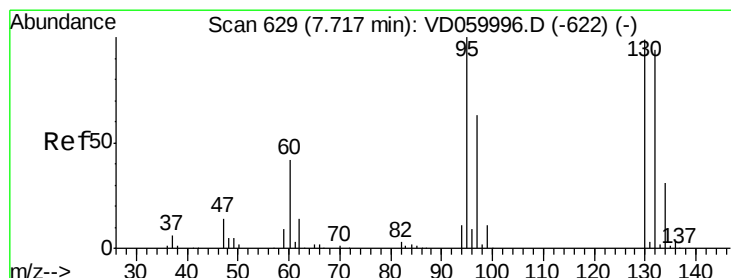
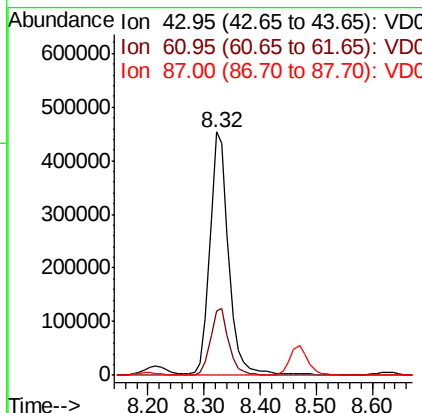
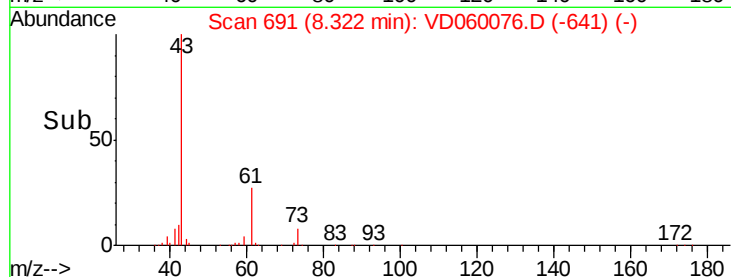
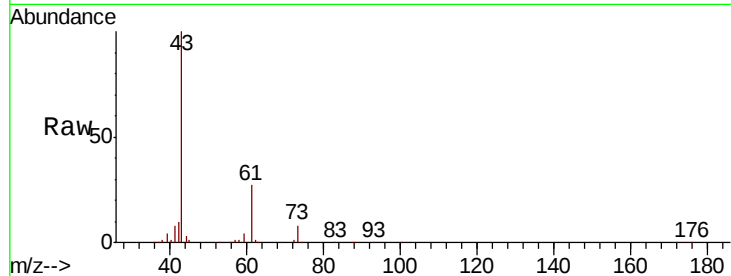
87 0.3 0.2 0.2#

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#44

Trichloroethene

Concen: 51.559 ug/l

RT: 7.71 min Scan# 629

Delta R.T. -0.01 min

Lab File: VD060076.D

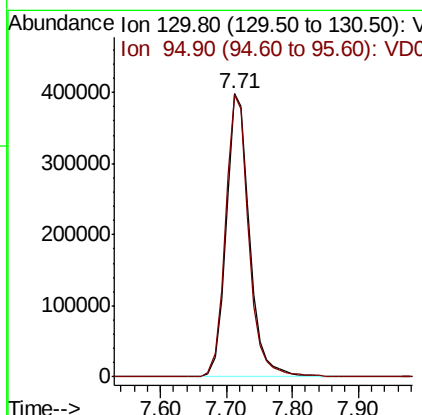
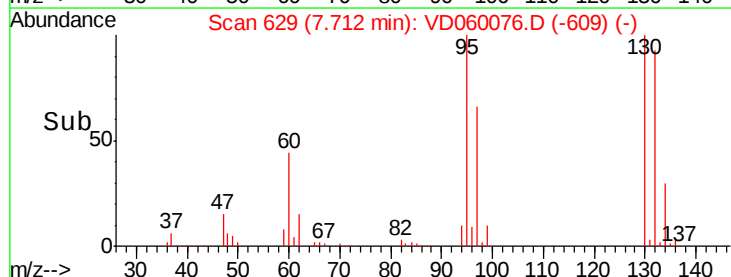
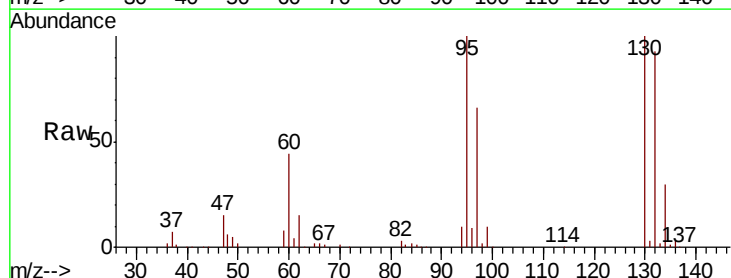
Acq: 24 Sep 2018 11:54

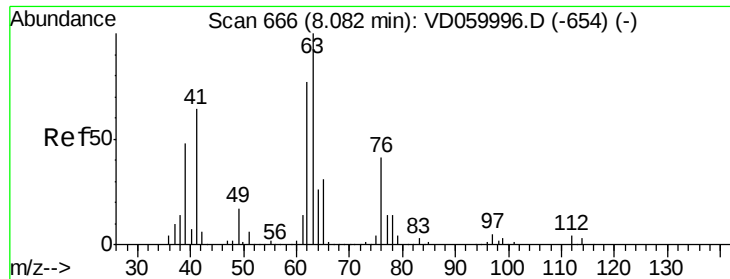
Tgt Ion: 130 Resp: 982420

Ion Ratio Lower Upper

130 100

95 99.9 0.0 202.0





#45

1,2-Dichloropropane

Concen: 52.270 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 861964

Ion Ratio Lower Upper

63 100

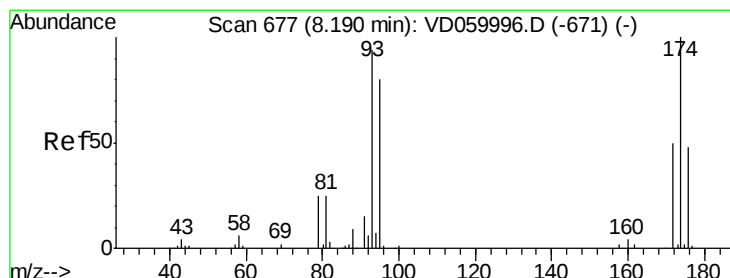
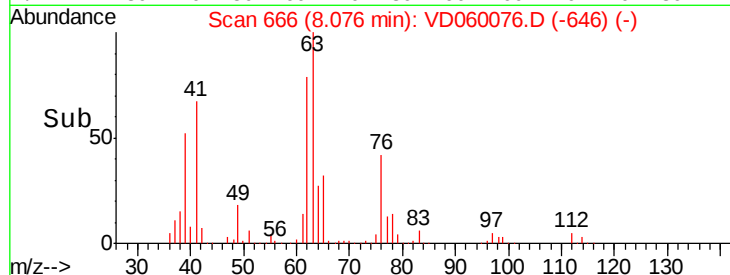
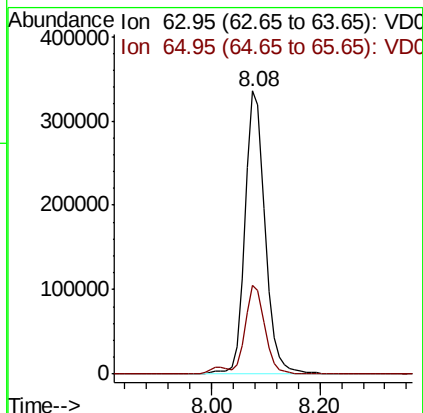
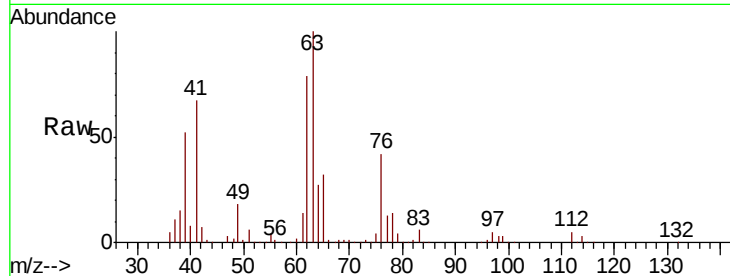
65 31.6 24.6 37.0

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#46

Dibromomethane

Concen: 50.695 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

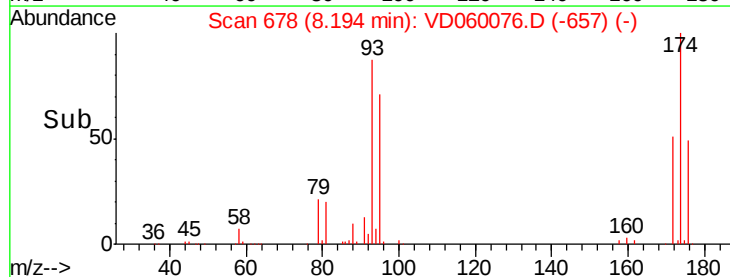
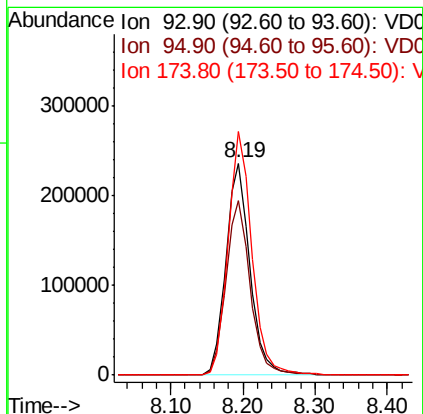
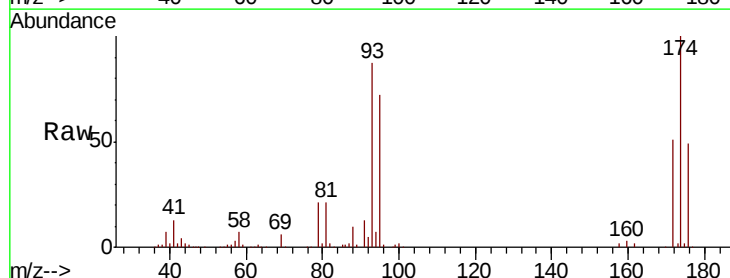
Tgt Ion: 93 Resp: 545469

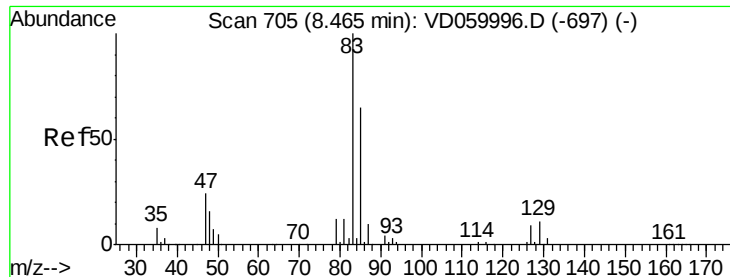
Ion Ratio Lower Upper

93 100

95 82.2 68.0 102.0

174 114.8 85.4 128.2





#47

Bromodichloromethane

Concen: 51.986 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1205978

Ion Ratio Lower Upper

83 100

85 64.2 51.9 77.9

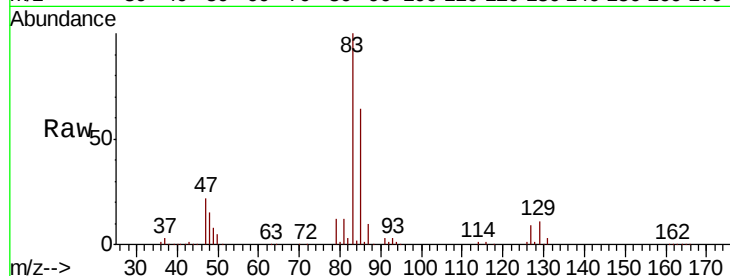
127 9.0 6.8 10.2

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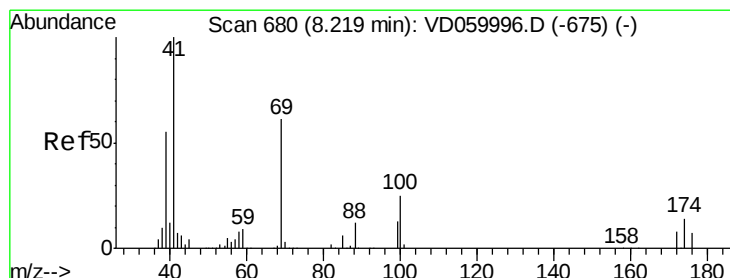
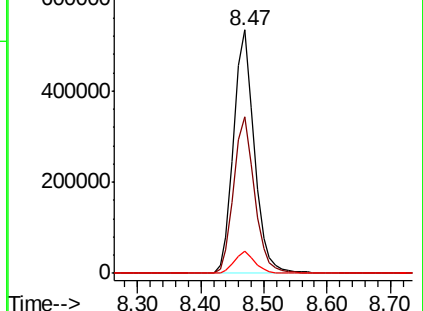
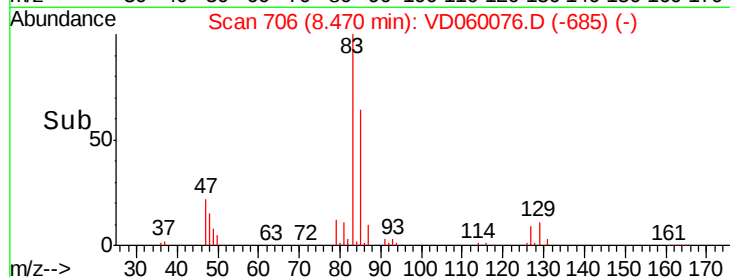
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.817 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

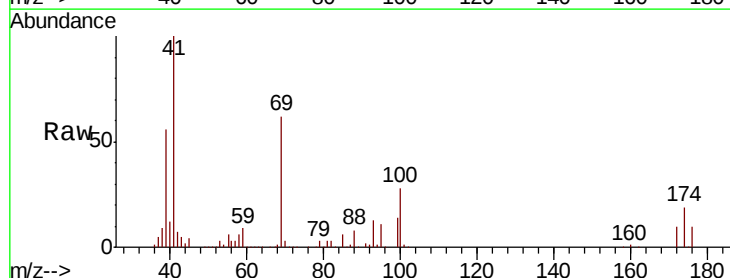
Tgt Ion: 41 Resp: 605724

Ion Ratio Lower Upper

41 100

69 62.3 48.3 72.5

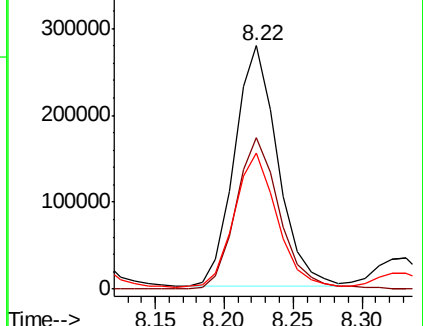
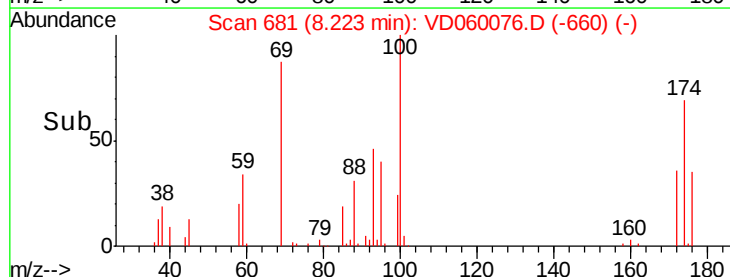
39 55.7 44.1 66.1

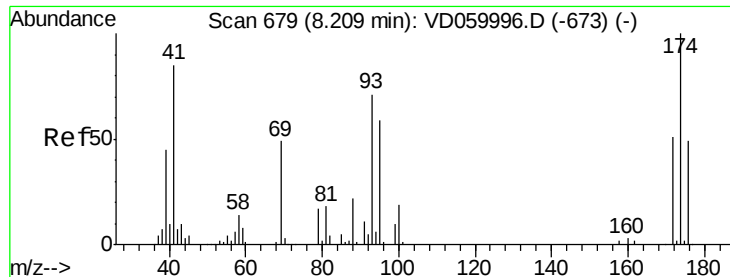


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





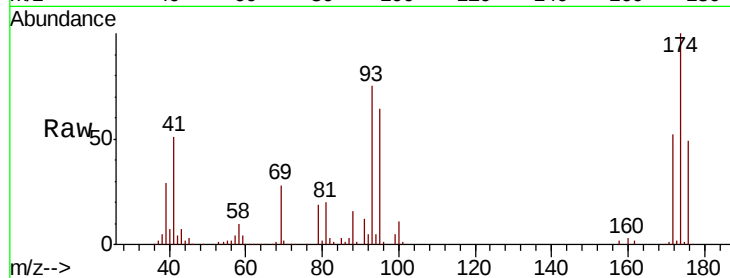
#49
1,4-Dioxane
Concen: 969.162 ug/l
RT: 8.20 min Scan# 679
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.8	36.2	54.2
58	63.5	51.0	76.6

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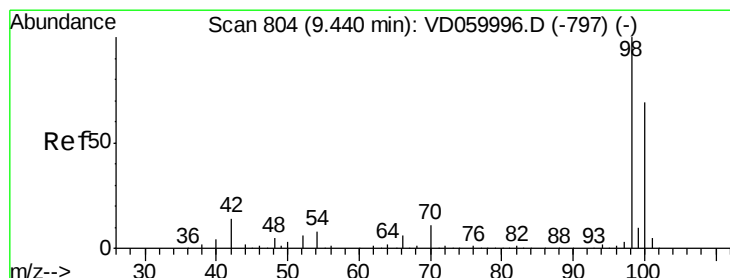
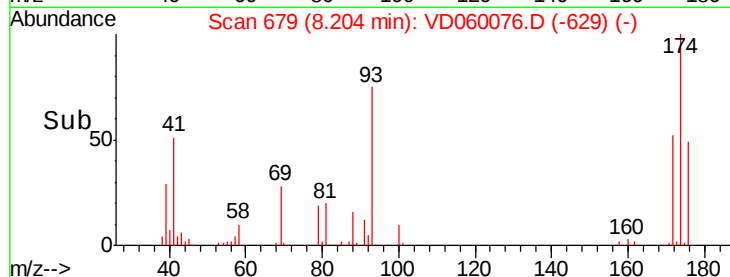
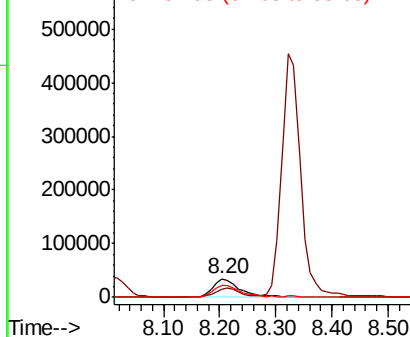


Abundance

Ion 88.00 (87.70 to 88.70): VDC

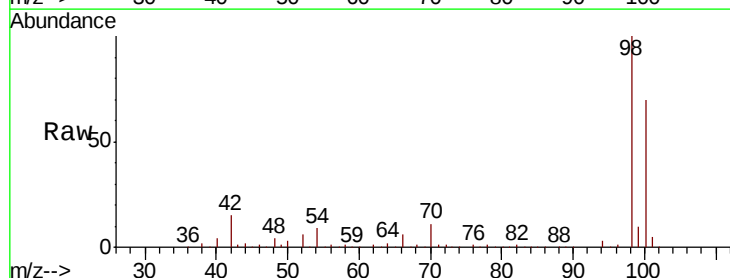
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 969.162 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

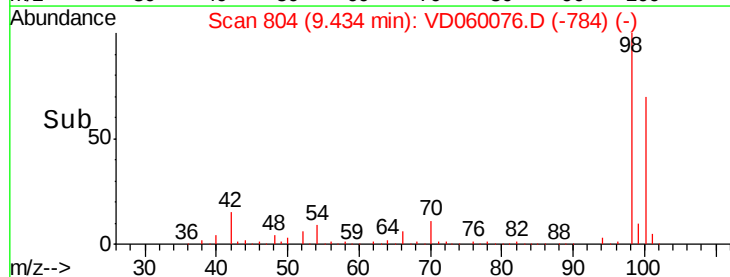
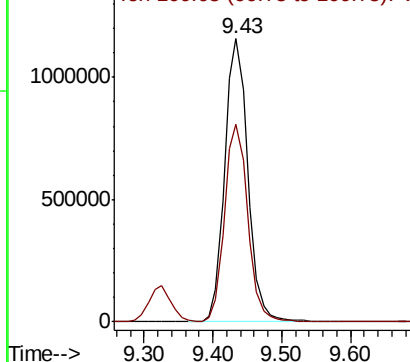
Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.8	83.6

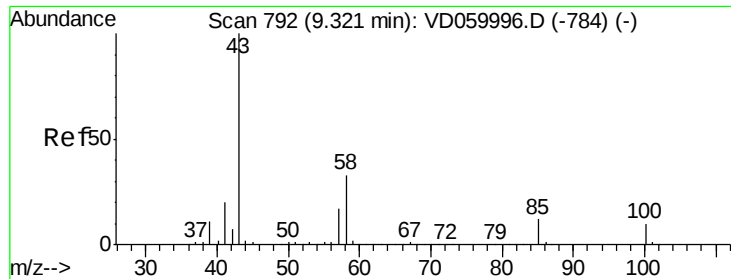


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 219.722 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3278774

Ion Ratio Lower Upper

43 100

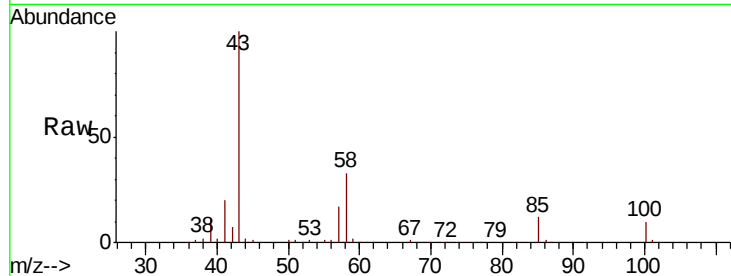
58 33.2 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

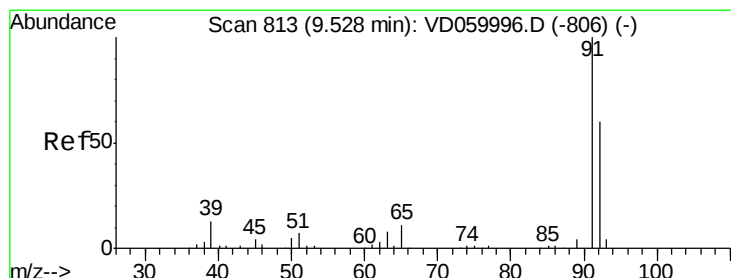
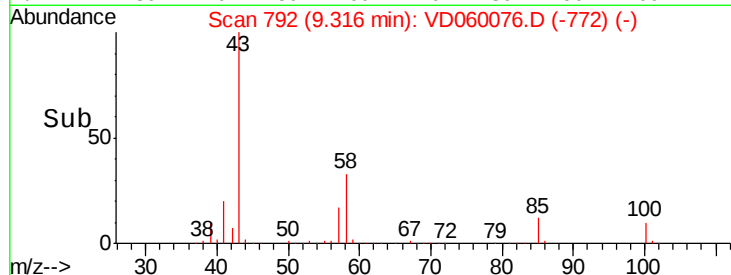
1000000

500000

0

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 53.192 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.01 min

Lab File: VD060076.D

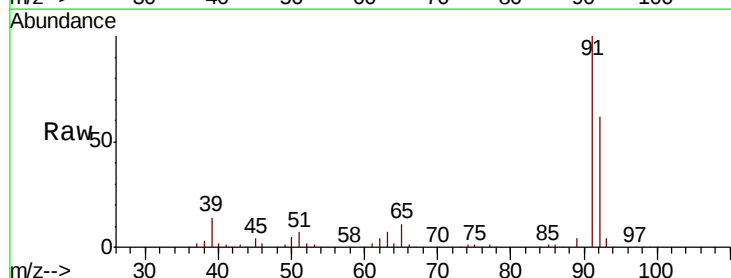
Acq: 24 Sep 2018 11:54

Tgt Ion: 92 Resp: 2102687

Ion Ratio Lower Upper

92 100

91 160.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

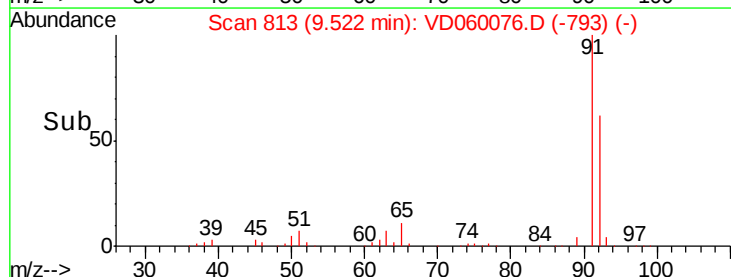
1000000

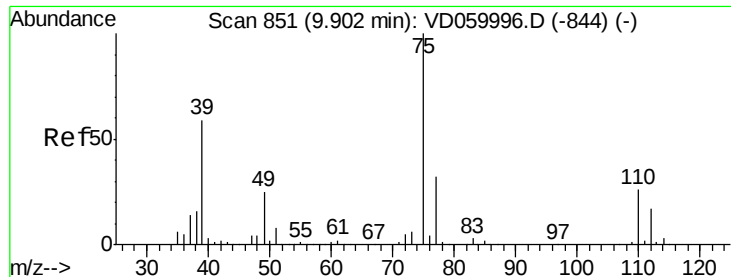
500000

0

9.40 9.50 9.60 9.70

Time-->





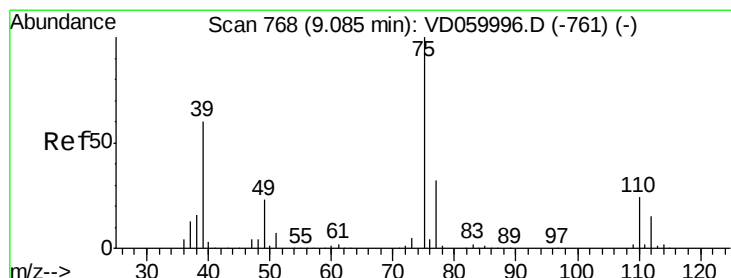
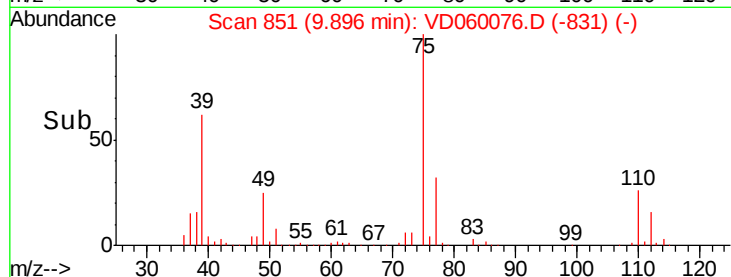
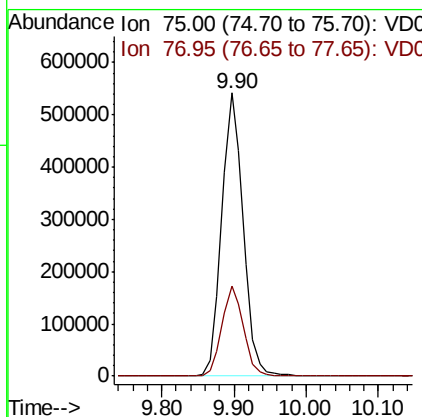
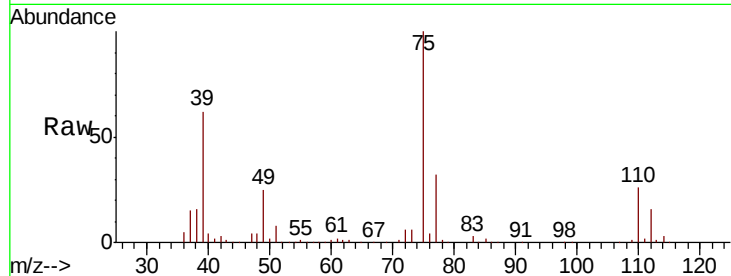
#53
 t-1,3-Dichloropropene
 Concen: 51.586 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 1116114
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4

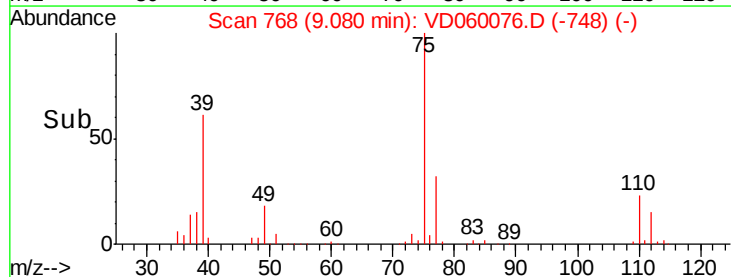
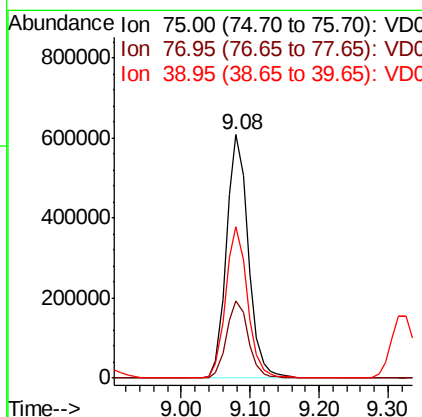
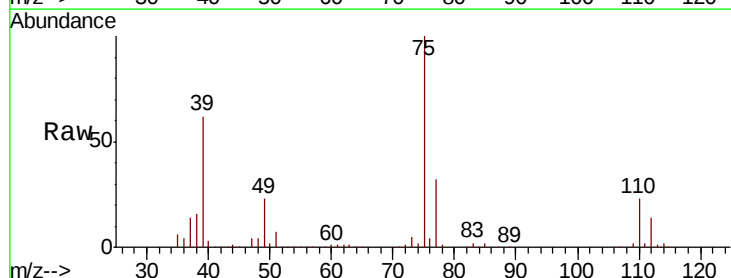
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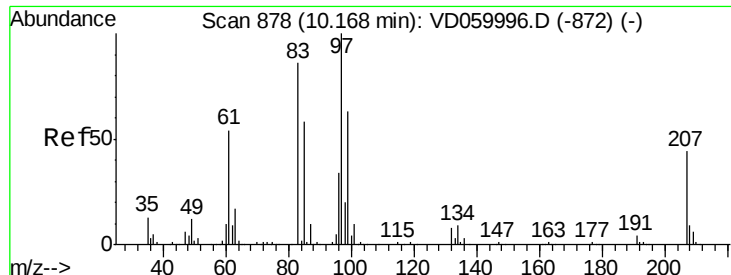
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#54
 cis-1,3-Dichloropropene
 Concen: 51.841 ug/l
 RT: 9.08 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 75 Resp: 1340140
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3
 39 62.2 48.0 72.0





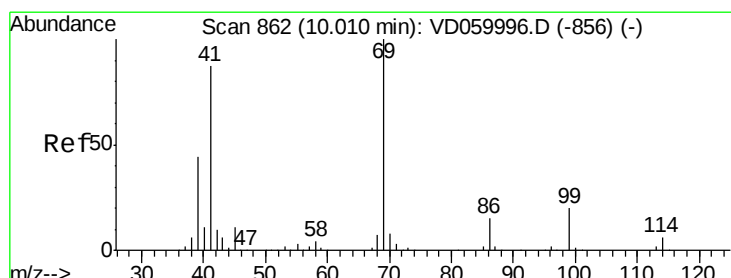
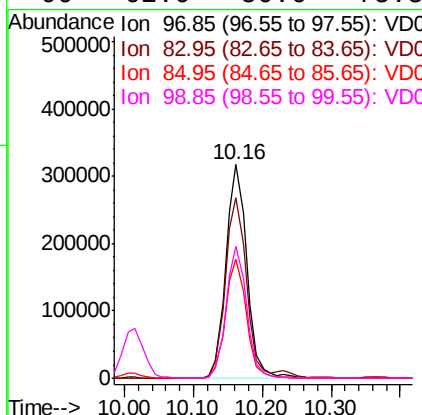
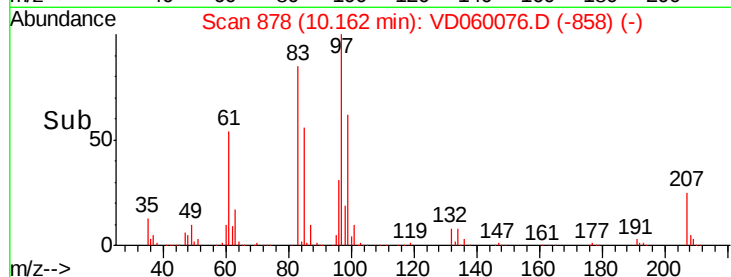
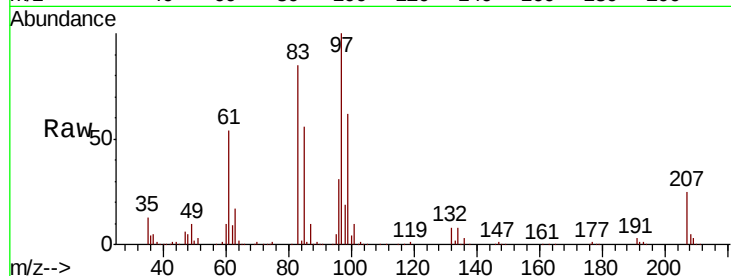
#55
 1,1,2-Trichloroethane
 Concen: 48.723 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		668722		
83	84.7	69.1	103.7		
85	55.9	46.2	69.4		
99	62.0	50.6	75.8		

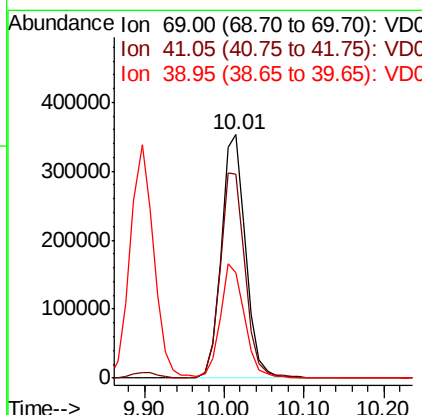
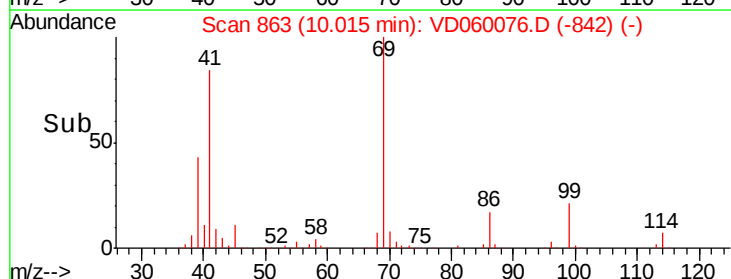
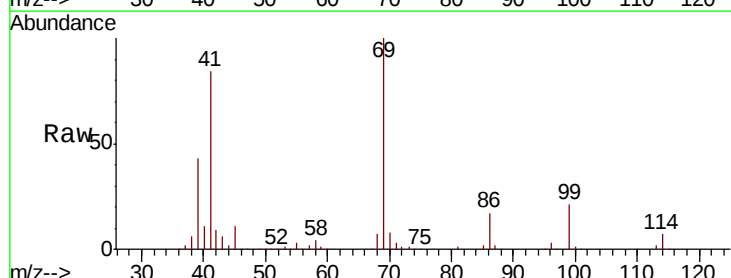
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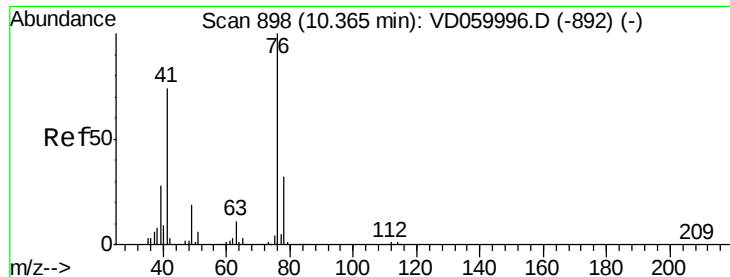
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#56
 Ethyl methacrylate
 Concen: 49.848 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		758862		
41	84.0	70.1	105.1		
39	43.3	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 50.746 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tot Ion: 76 Resp: 1028083

Ion Ratio Lower Upper

76 100

78 32.3 25.3 37.9

Instrument :

MSVOA_D

ClientSampleId :

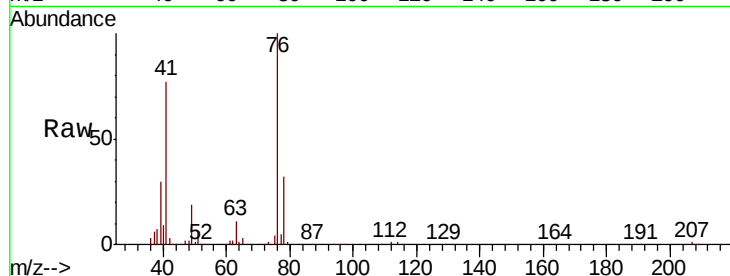
VSTDCCC050

Manual Integrations

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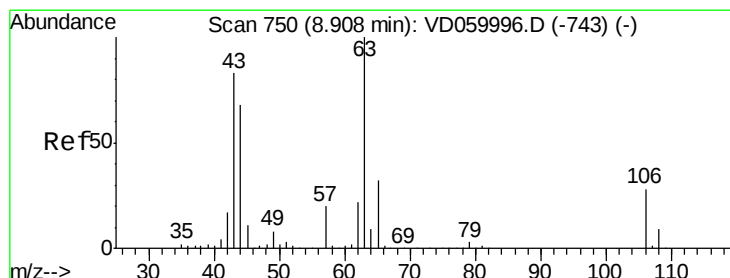
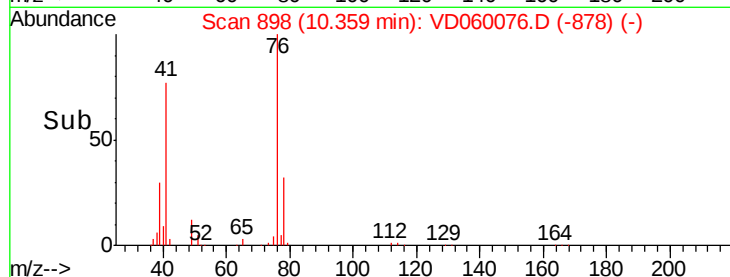
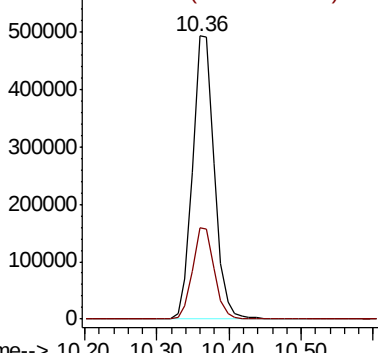
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.402 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060076.D

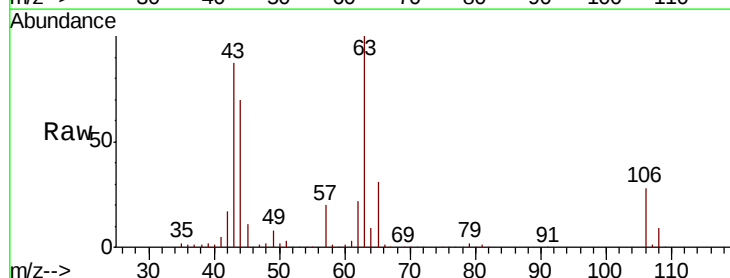
Acq: 24 Sep 2018 11:54

Tgt Ion: 63 Resp: 1921644

Ion Ratio Lower Upper

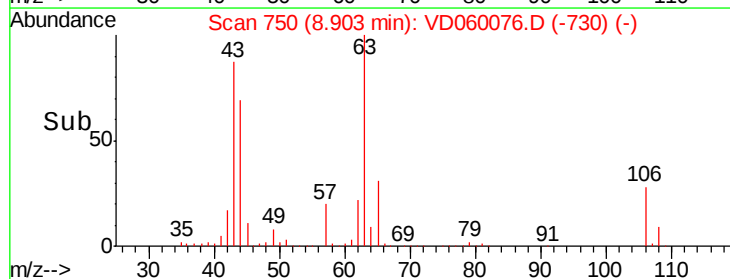
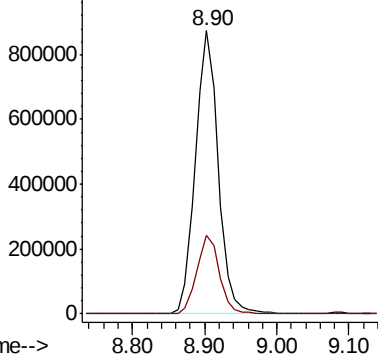
63 100

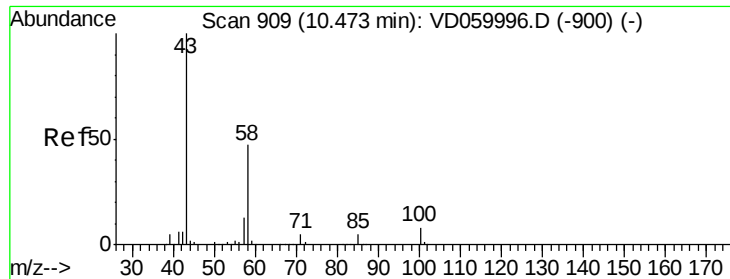
106 27.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





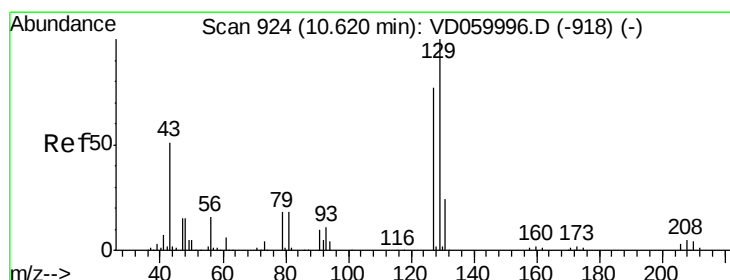
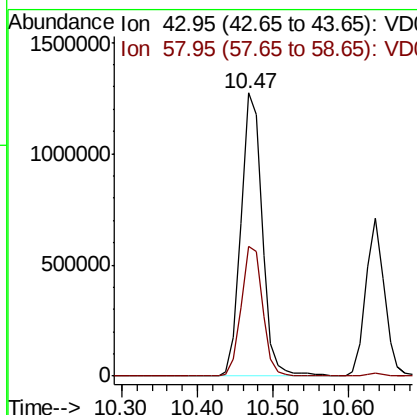
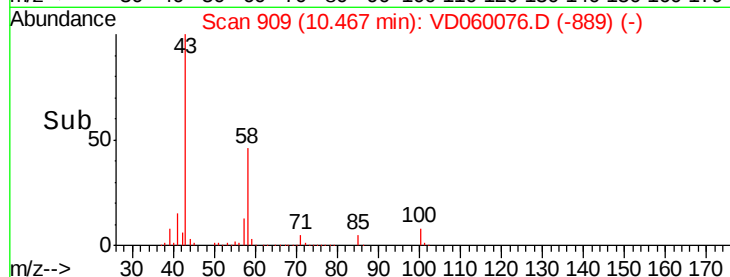
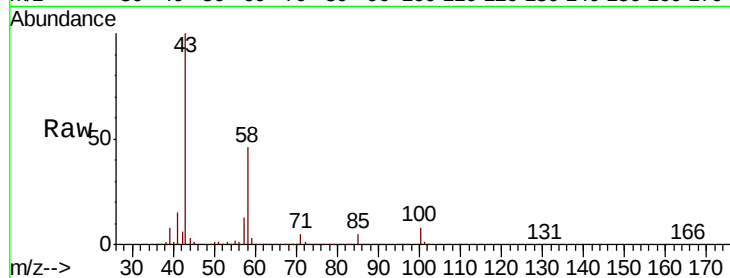
#59
2-Hexanone
Concen: 231.559 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2452870
Ion Ratio Lower Upper
43 100
58 45.7 23.4 70.0

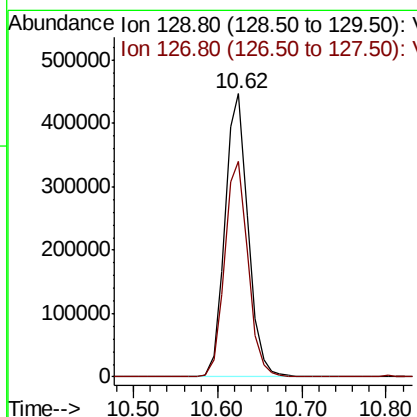
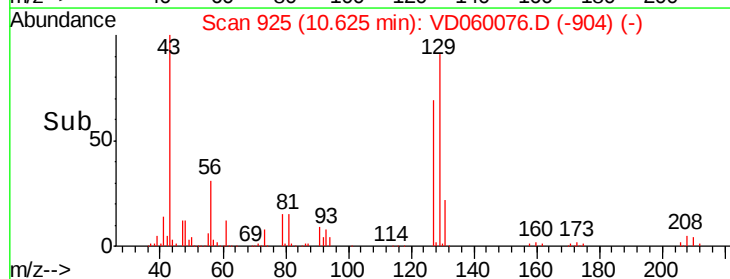
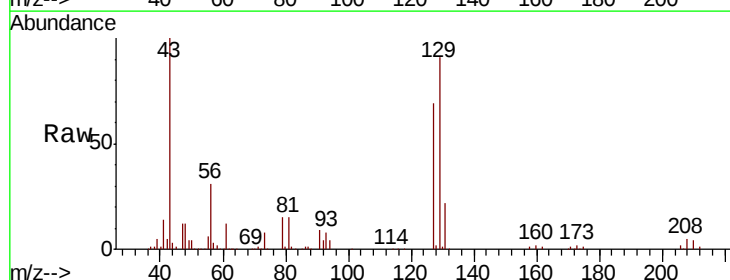
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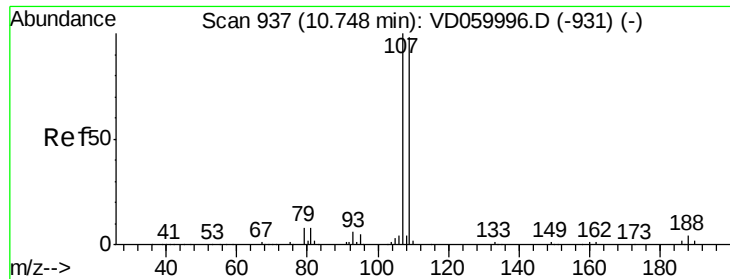
apatel
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#60
Dibromochloromethane
Concen: 50.958 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:129 Resp: 851282
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





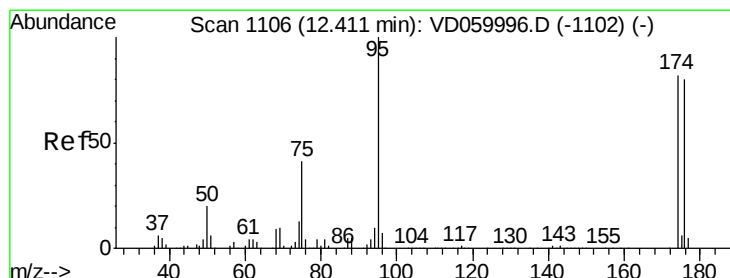
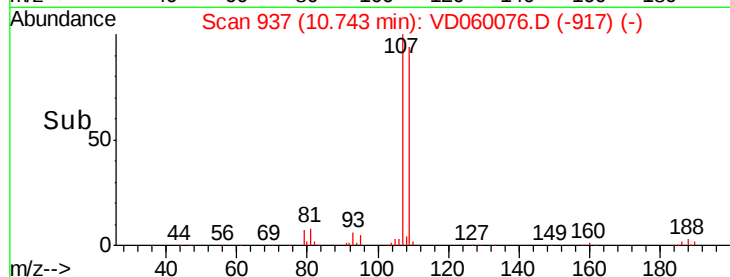
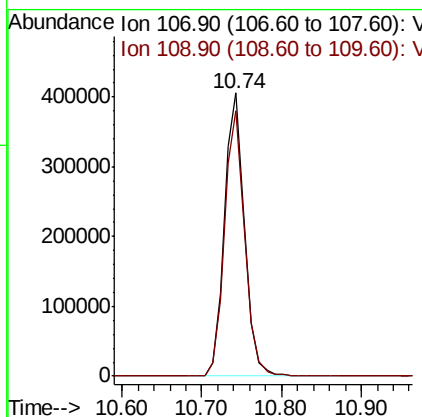
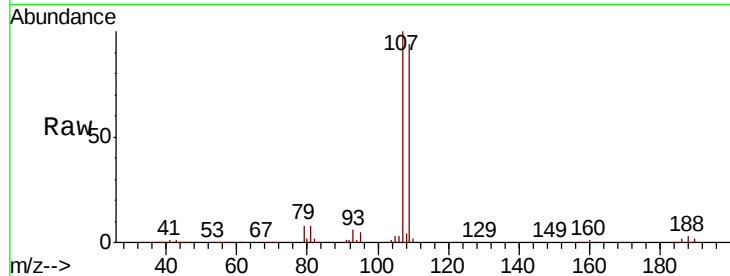
#61
 1,2-Dibromoethane
 Concen: 50.969 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 722277
 Ion Ratio Lower Upper
 107 100
 109 93.8 78.2 117.2

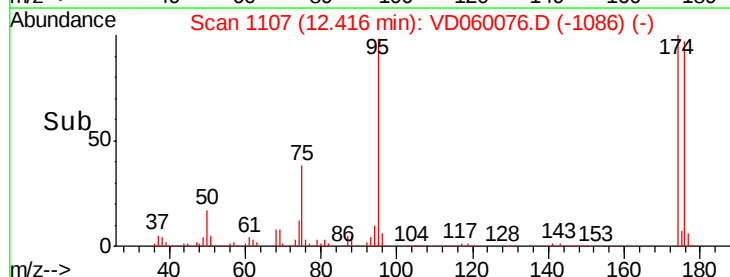
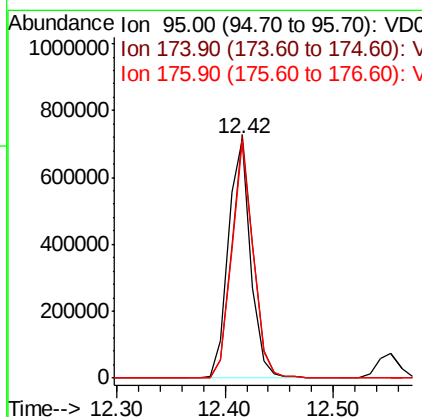
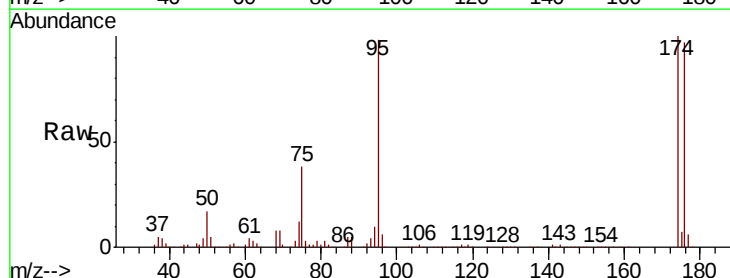
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#62
 4-Bromofluorobenzene
 Concen: 50.969 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion: 95 Resp: 1026743
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 165.0
 176 99.3 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.26 min Scan# 990

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:117 Resp: 1891745

Ion Ratio Lower Upper

117 100

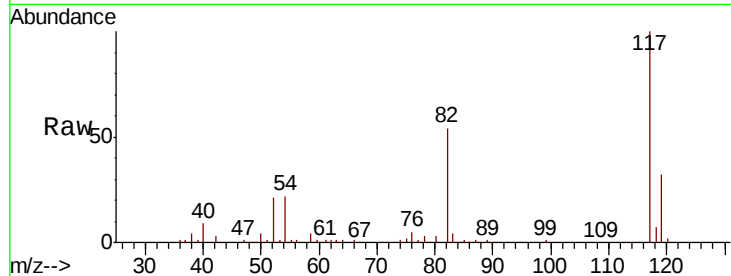
82 54.1 41.7 62.5

119 32.0 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

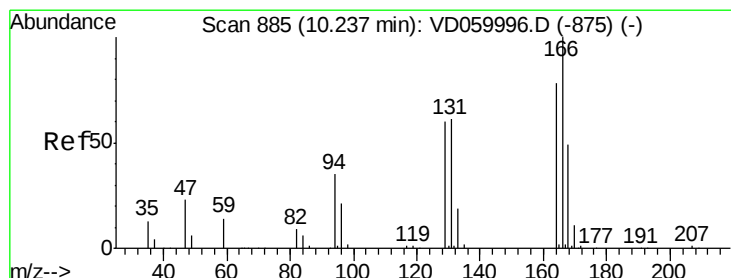
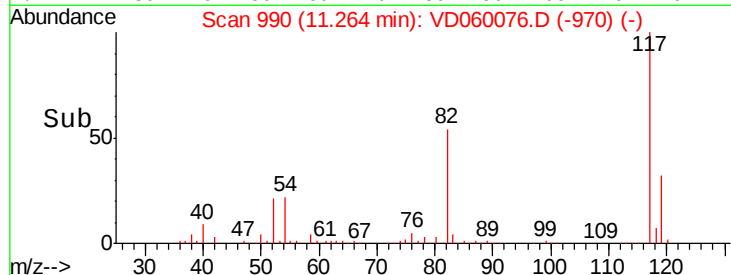
11.26

1000000

500000

0

Time-->



#64

Tetrachloroethene

Concen: 52.360 ug/l

RT: 10.23 min Scan# 885

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion:164 Resp: 873931

Ion Ratio Lower Upper

164 100

166 131.0 103.0 154.6

129 80.4 61.9 92.9

131 76.8 62.6 93.8

Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

800000

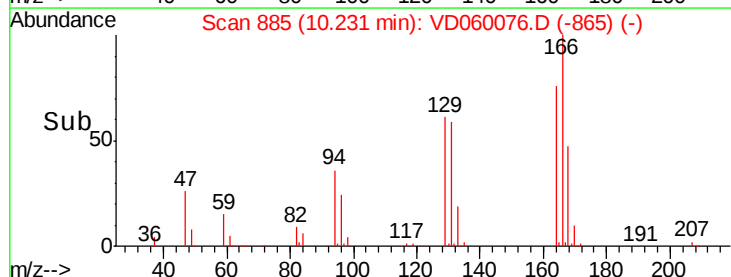
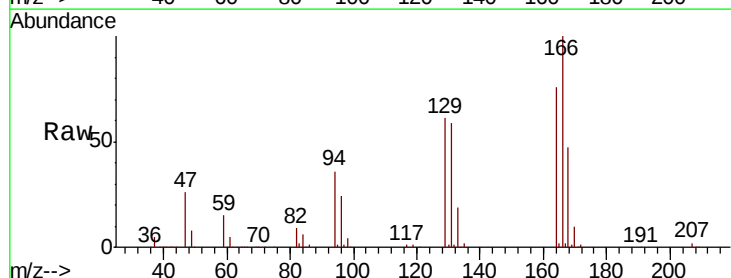
600000

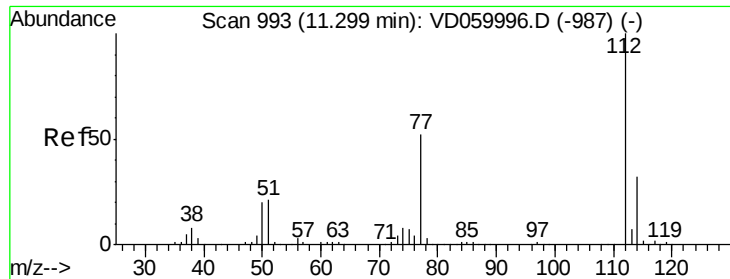
400000

200000

0

Time-->





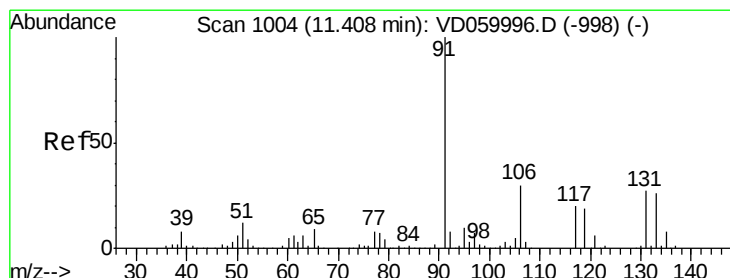
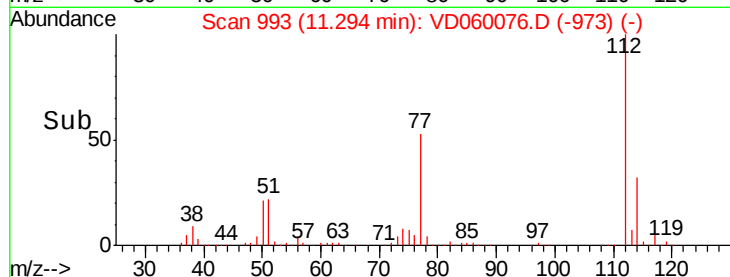
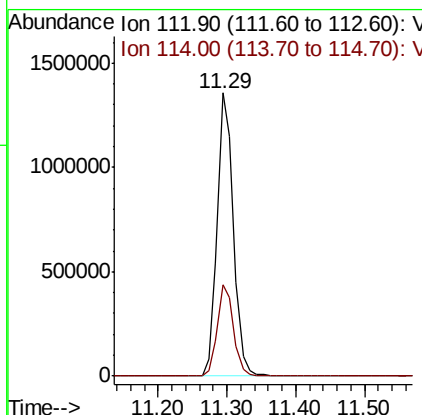
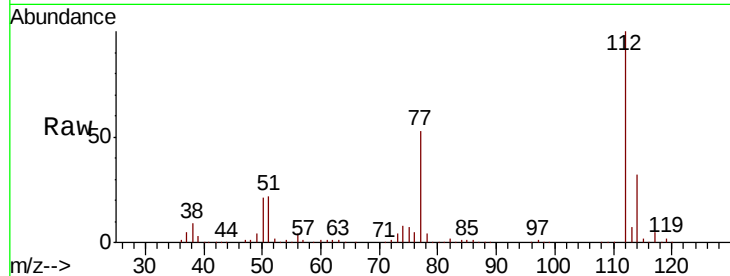
#65
Chlorobenzene
Concen: 54.245 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2206219
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

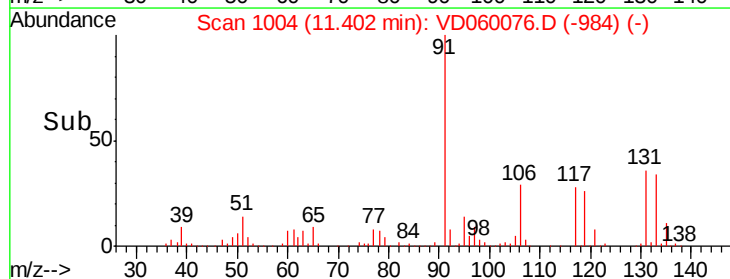
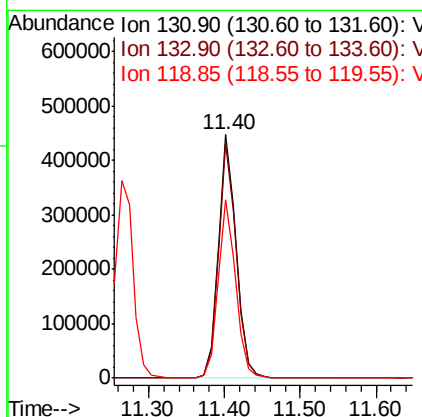
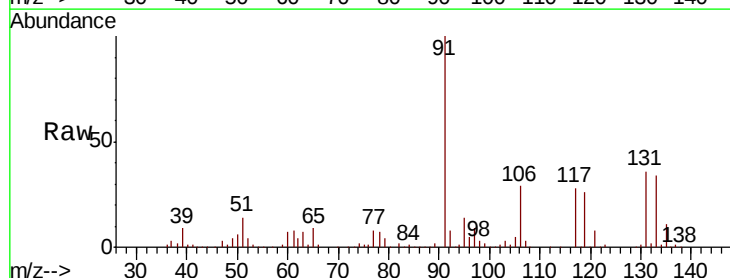
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.924 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:131 Resp: 739725
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 73.0 35.6 106.9





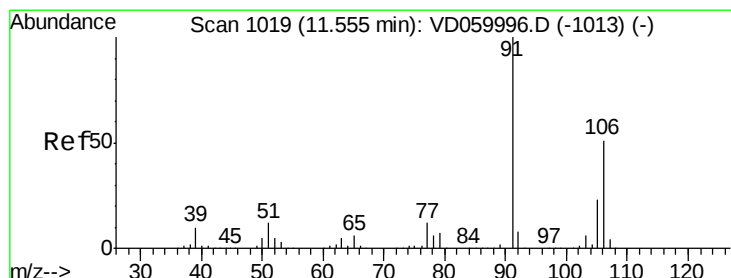
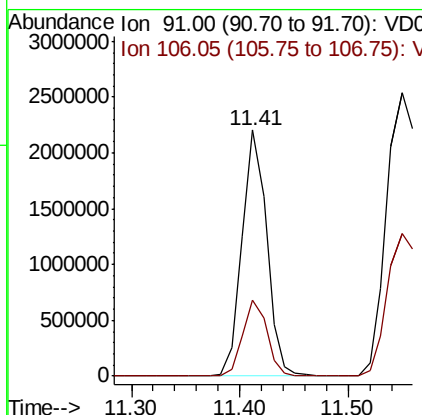
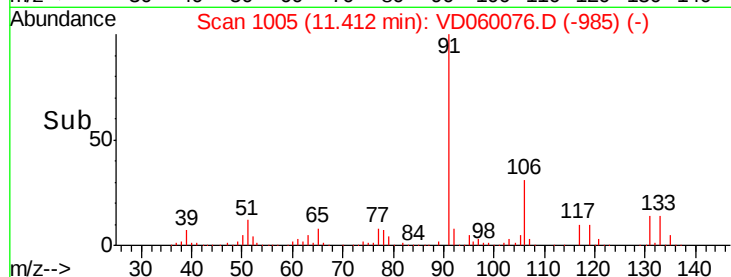
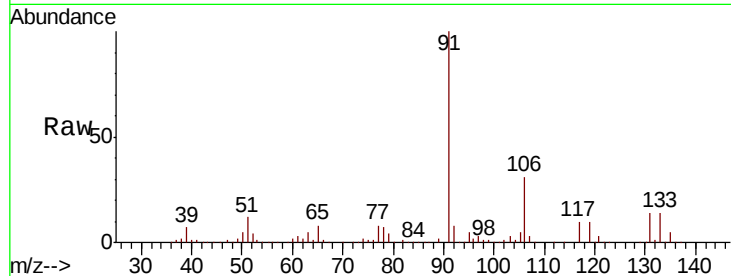
#67
Ethyl Benzene
Concen: 53.594 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3507849
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

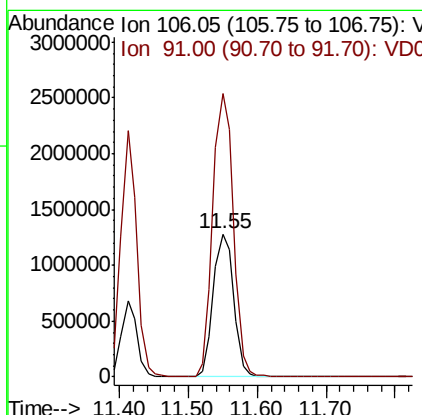
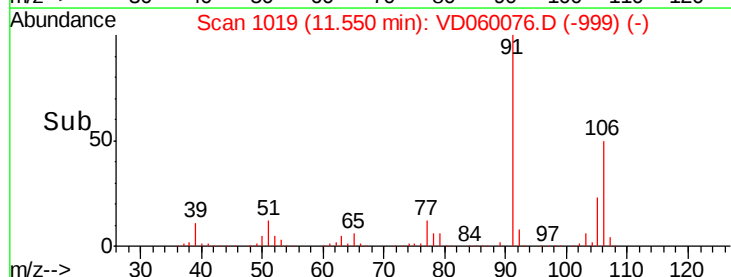
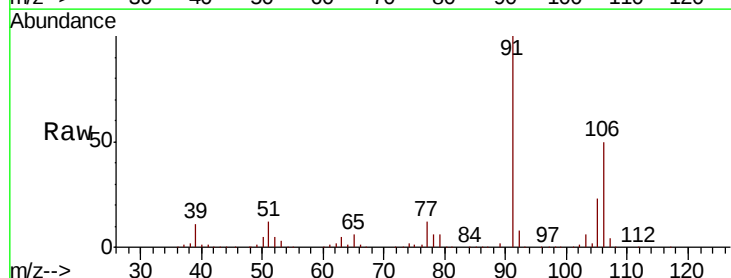
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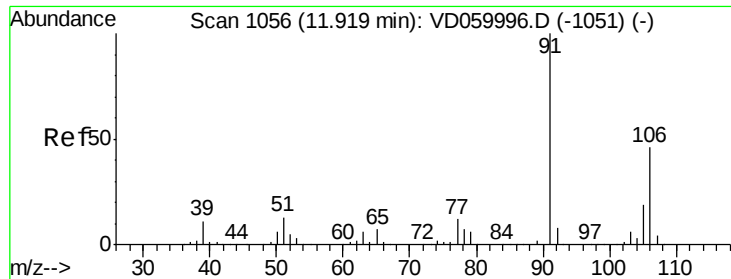
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#68
m/p-Xylenes
Concen: 109.189 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:106 Resp: 2639415
Ion Ratio Lower Upper
106 100
91 198.3 157.0 235.6





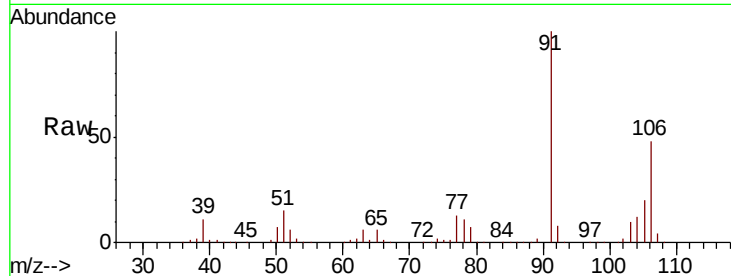
#69
o-Xylene
Concen: 54.937 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

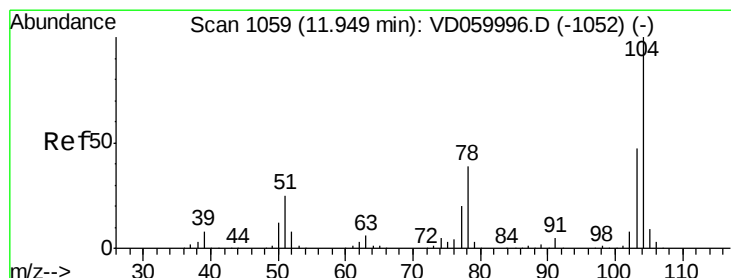
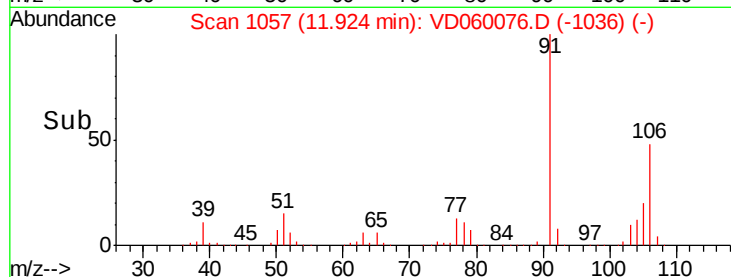
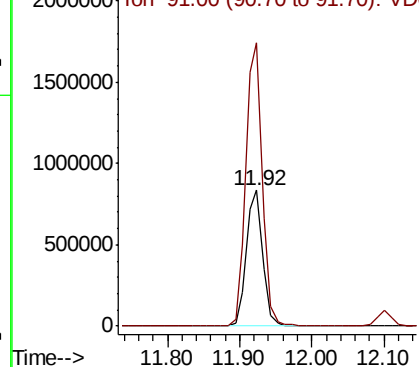
Tot Ion:106 Resp: 1315830
Ion Ratio Lower Upper
106 100
91 208.0 107.7 323.1

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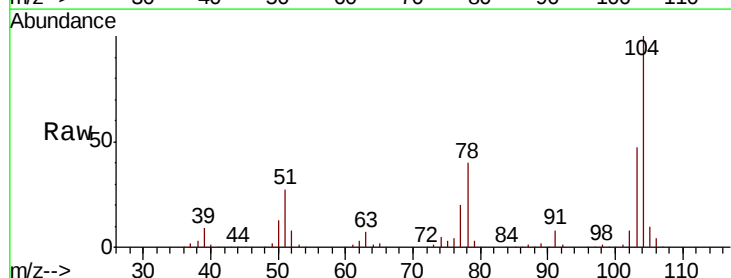


Abundance Ion 106.05 (105.75 to 106.75): V
2000000 Ion 91.00 (90.70 to 91.70): VDC

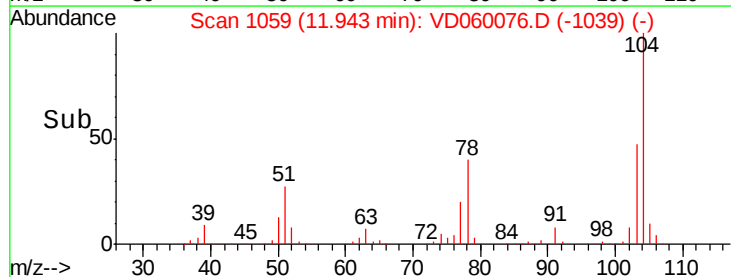
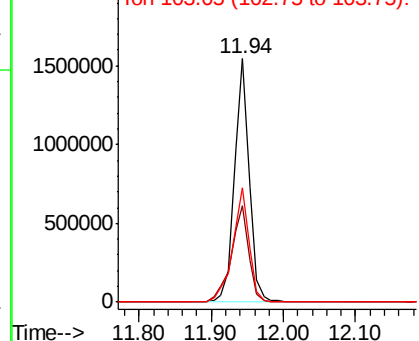


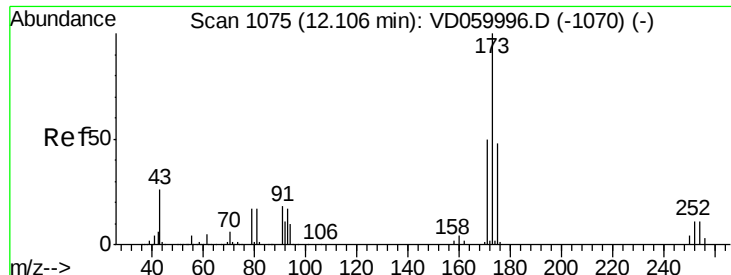
#70
Styrene
Concen: 54.362 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion:104 Resp: 2189307
Ion Ratio Lower Upper
104 100
78 39.7 31.0 46.4
103 46.9 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
2000000 Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





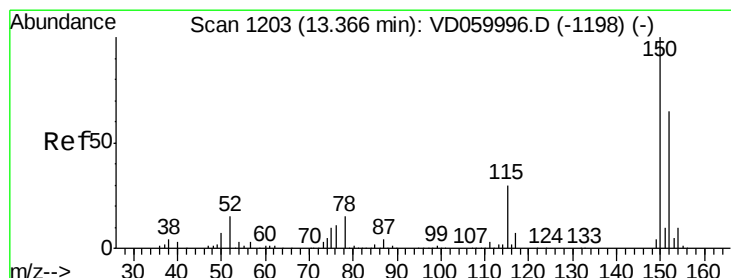
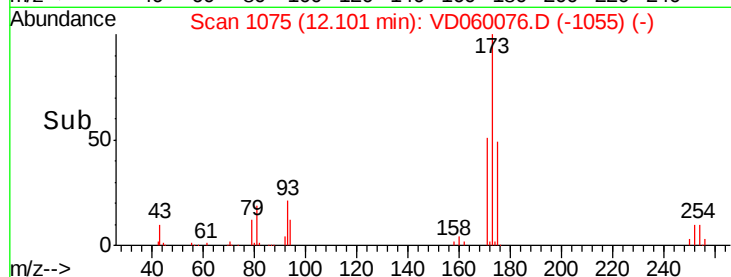
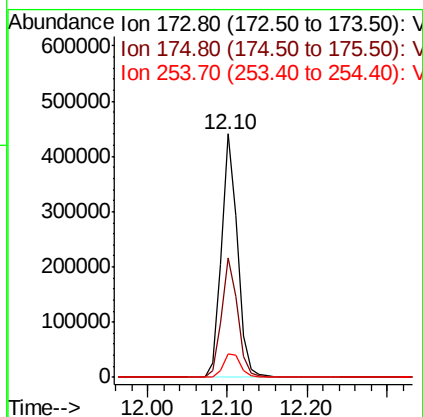
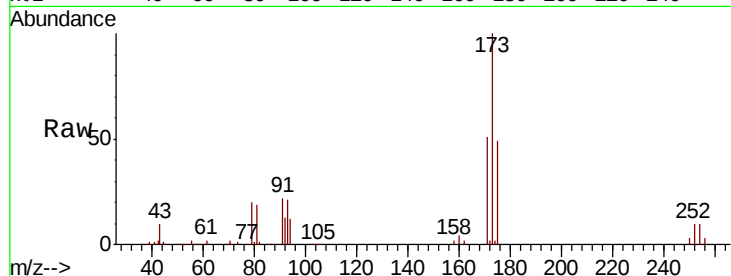
#71
Bromoform
Concen: 53.653 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	9.7	8.6	13.0

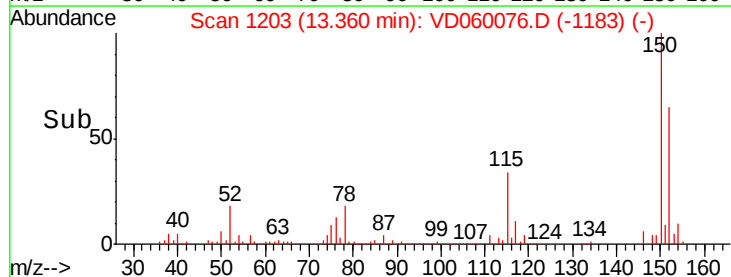
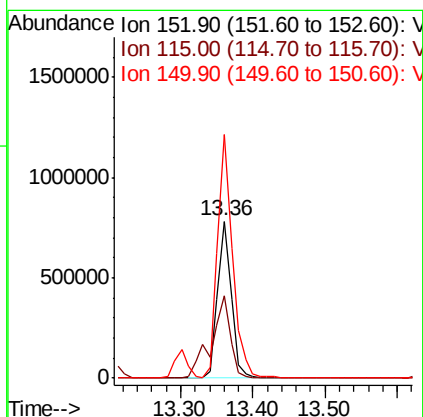
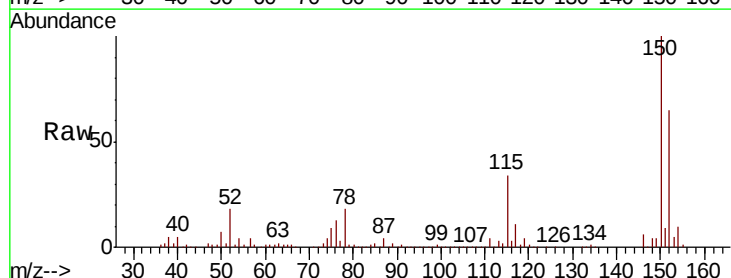
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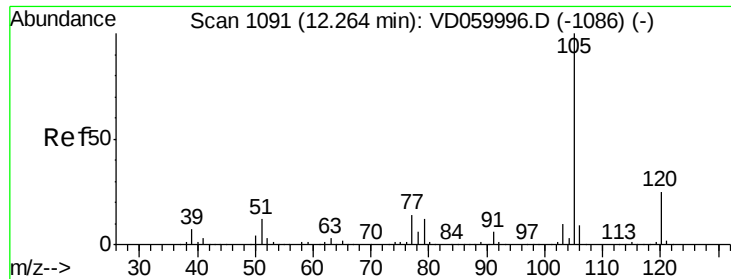
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	24.6	73.8
150	155.0	0.0	313.4





#73

Isopropylbenzene

Concen: 52.243 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3464161

Ion Ratio Lower Upper

105 100

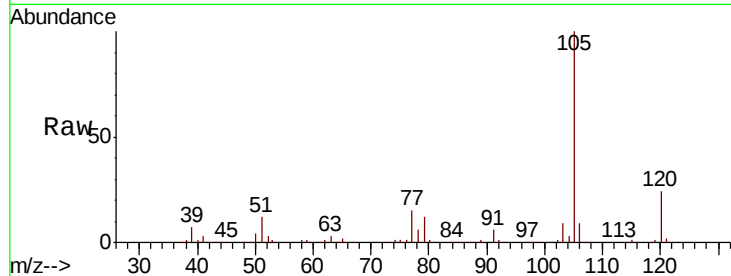
120 23.8 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

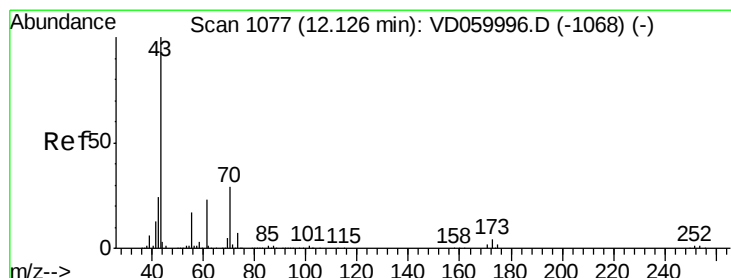
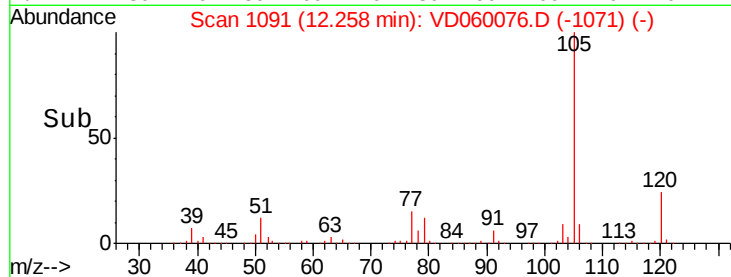
0

12.20

12.26

12.40

Time-->



#74

N-ethyl acetate

Concen: 51.133 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion: 43 Resp: 1343024

Ion Ratio Lower Upper

43 100

70 27.9 22.9 34.3

55 17.5 14.0 21.0

61 22.8 18.7 28.1

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1500000

1000000

500000

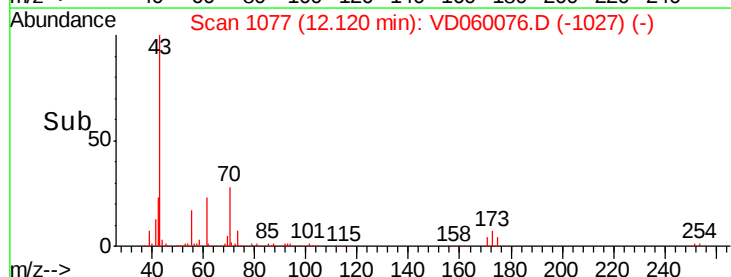
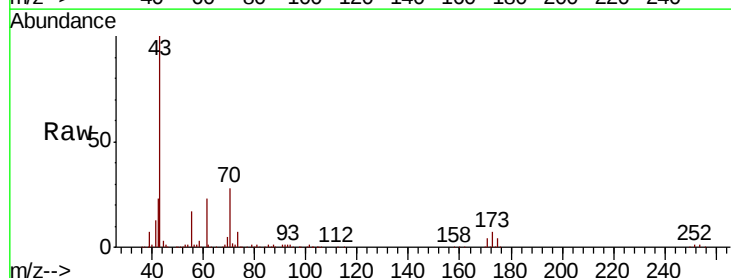
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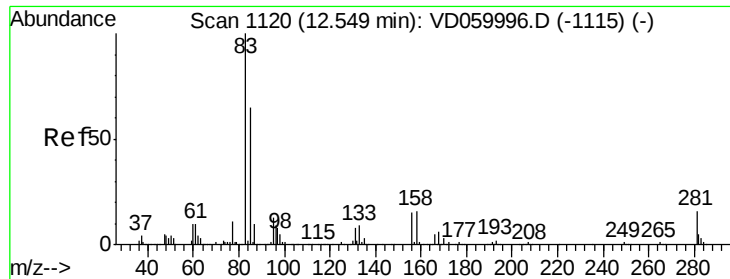
12.10

12.12

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.383 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

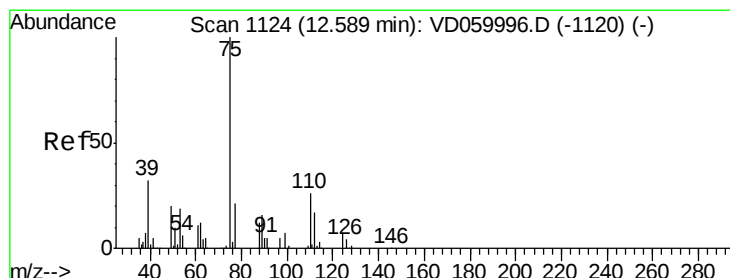
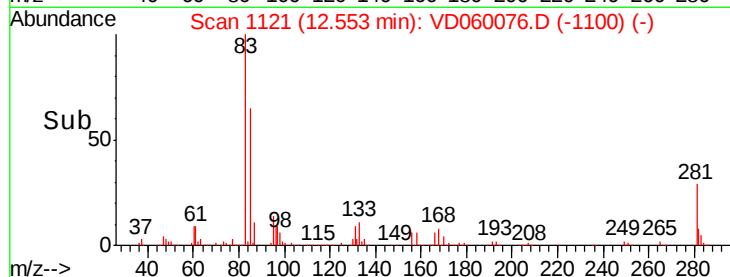
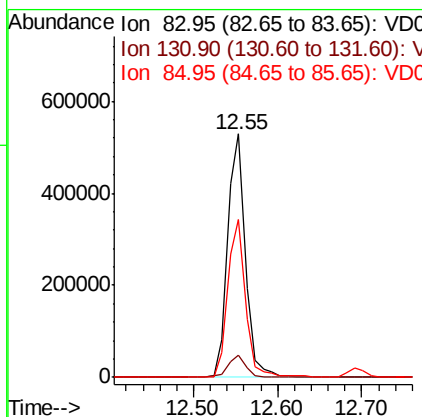
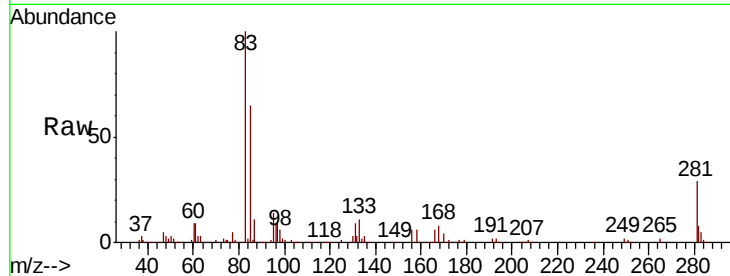
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	772924
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.1	12.3
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.195 ug/l

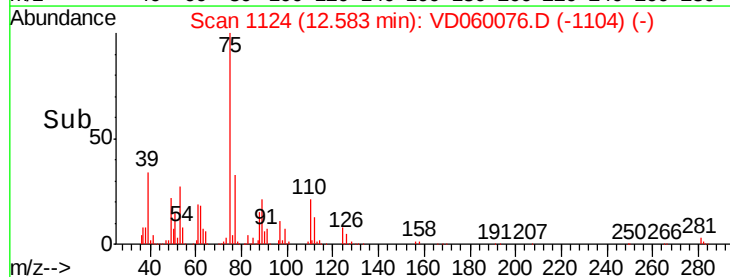
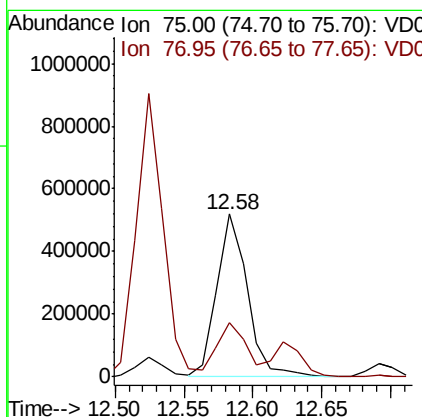
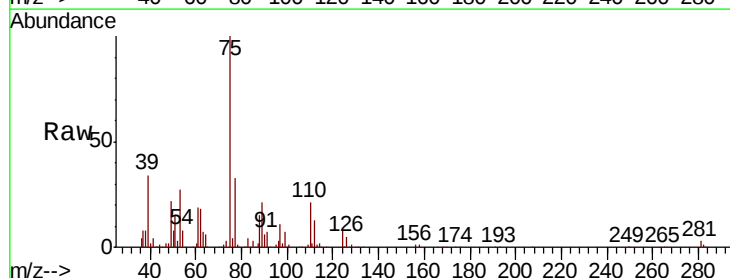
RT: 12.58 min Scan# 1124

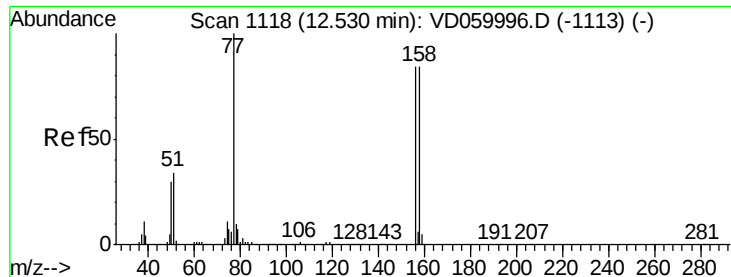
Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Tgt Ion:	75	Resp:	790511
Ion Ratio	Lower	Upper	
75	100		
77	33.1	16.4	49.4





#77

Bromobenzene

Concen: 53.365 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1019294

Ion Ratio Lower Upper

156 100

77 131.0 59.5 178.4

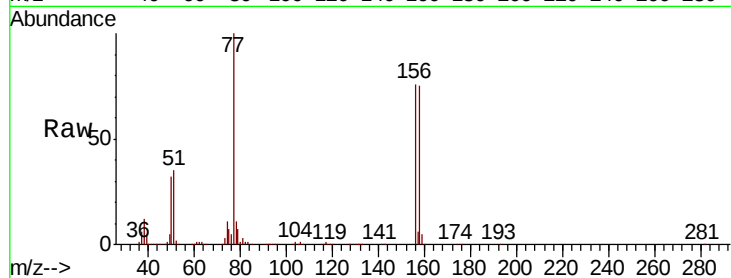
158 98.3 50.0 149.8

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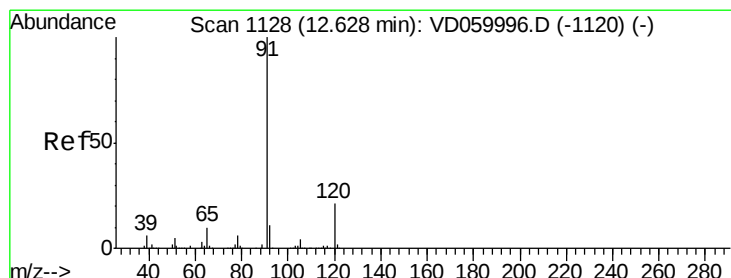
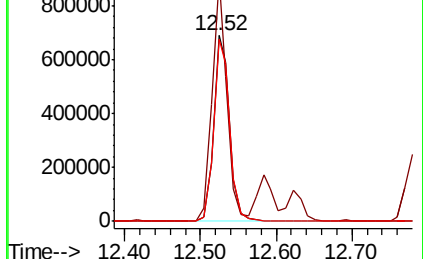
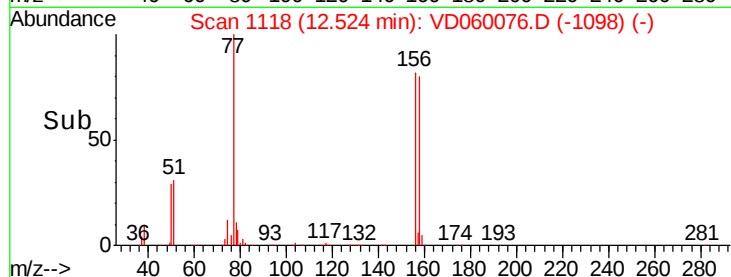
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 53.419 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060076.D

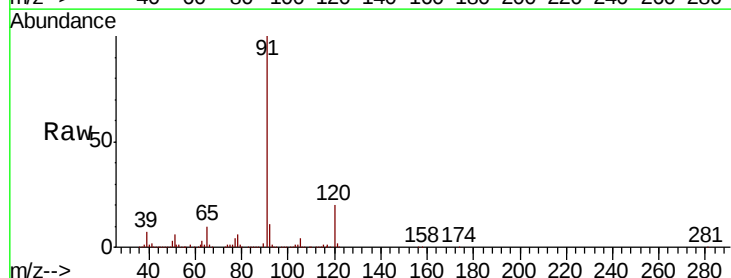
Acq: 24 Sep 2018 11:54

Tgt Ion: 91 Resp: 4454270

Ion Ratio Lower Upper

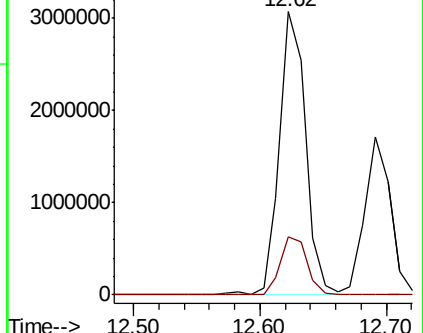
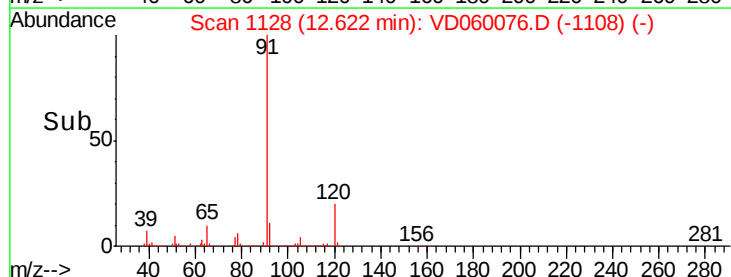
91 100

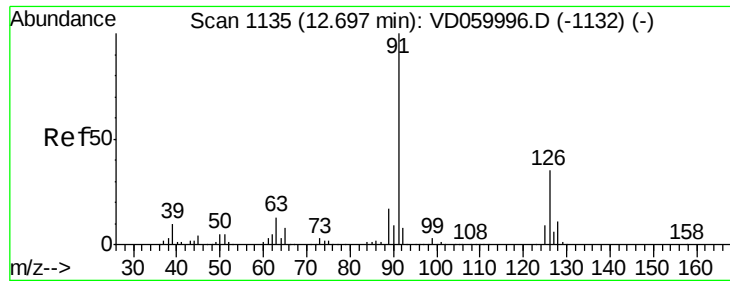
120 20.4 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.283 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2413577

Ion Ratio Lower Upper

91 100

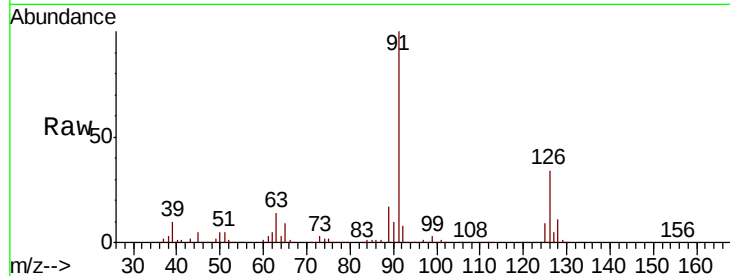
126 33.6 17.3 52.0

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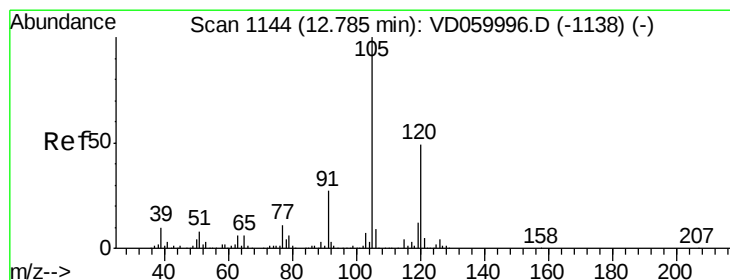
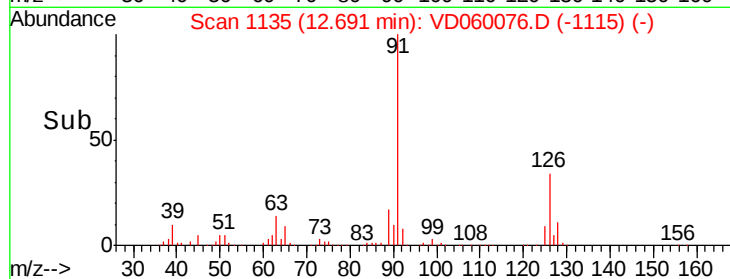
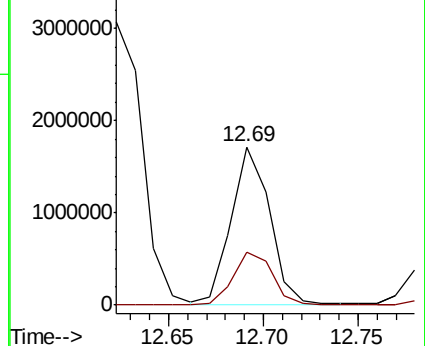
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.517 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD060076.D

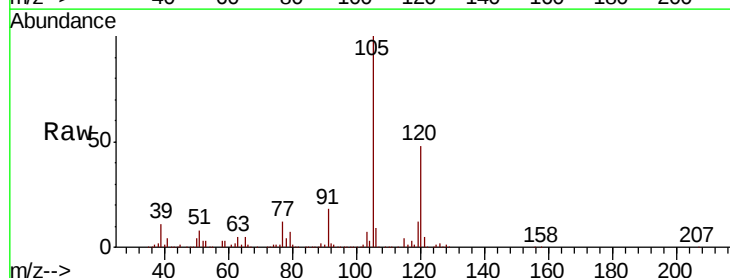
Acq: 24 Sep 2018 11:54

Tgt Ion:105 Resp: 2719899

Ion Ratio Lower Upper

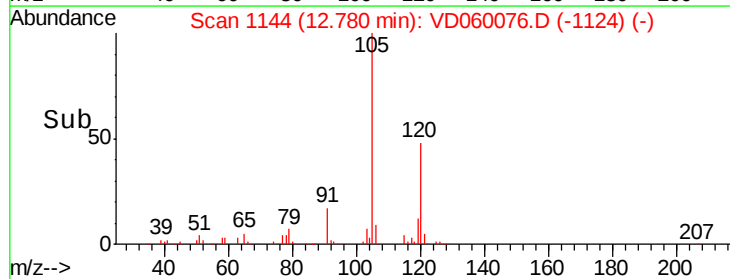
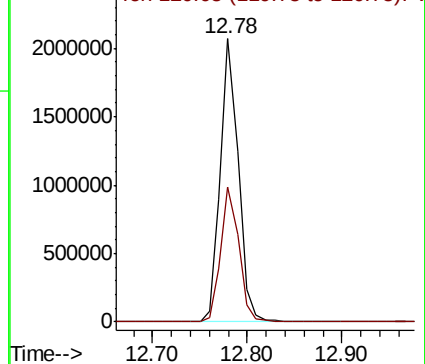
105 100

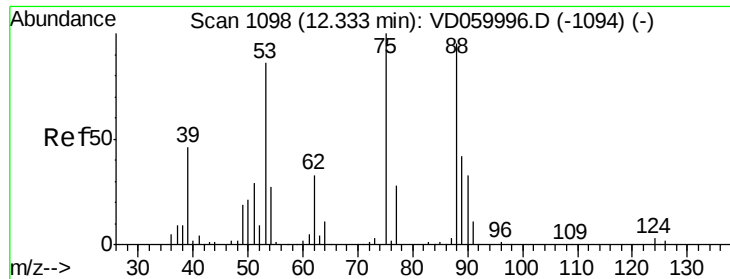
120 47.7 24.4 73.2



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: 51.742 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 241176

Ion Ratio Lower Upper

75 100

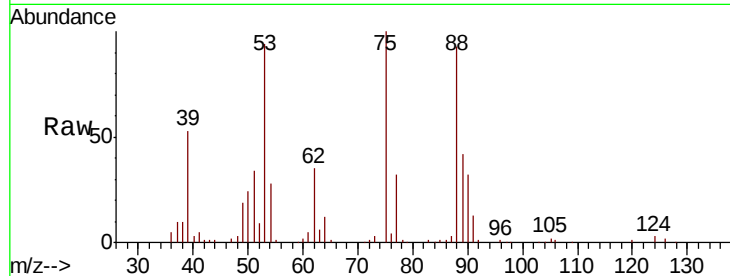
53 93.5 68.4 102.6

89 42.0 33.8 50.6

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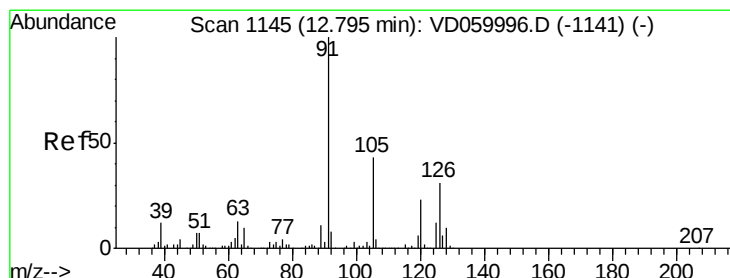
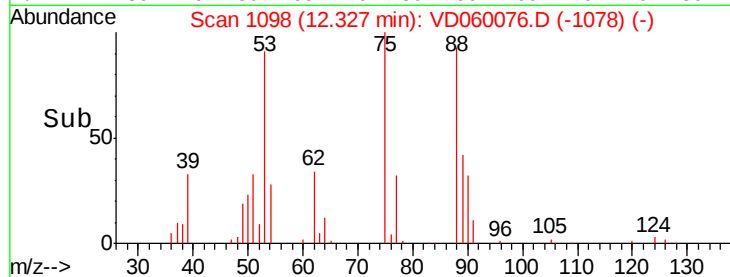
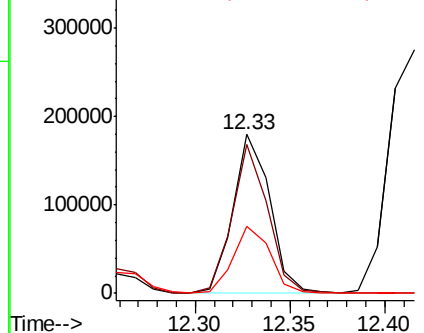
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.666 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060076.D

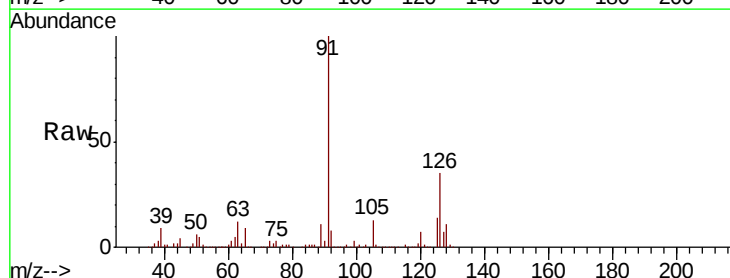
Acq: 24 Sep 2018 11:54

Tgt Ion: 91 Resp: 2725073

Ion Ratio Lower Upper

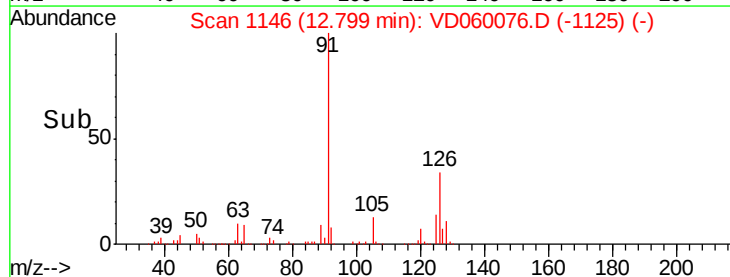
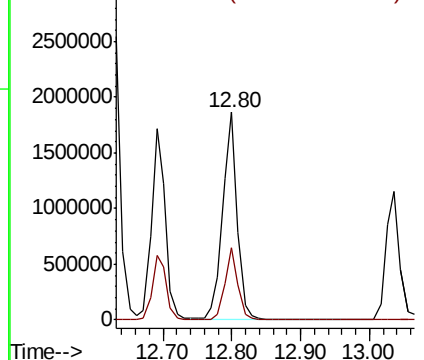
91 100

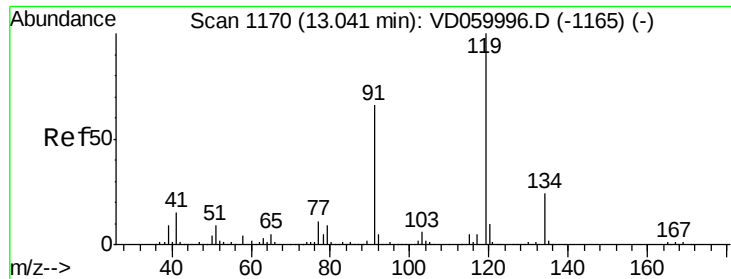
126 34.5 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





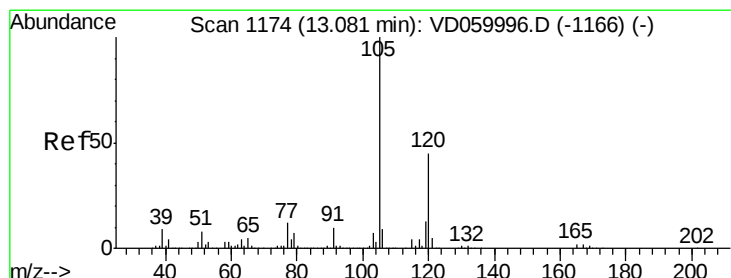
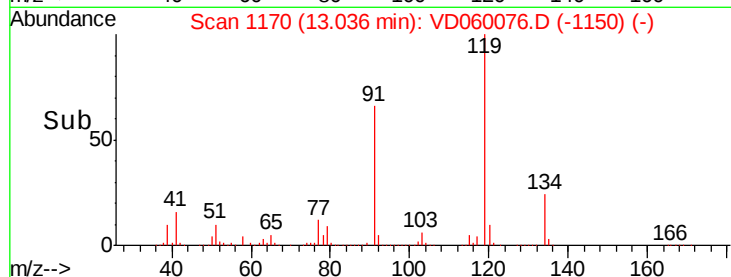
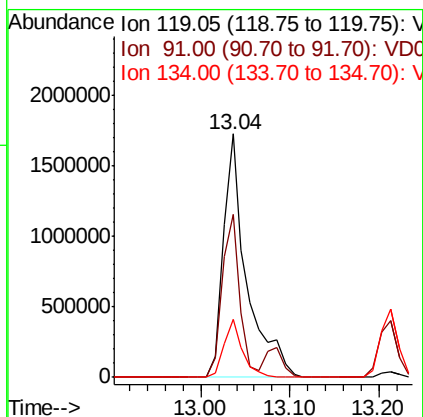
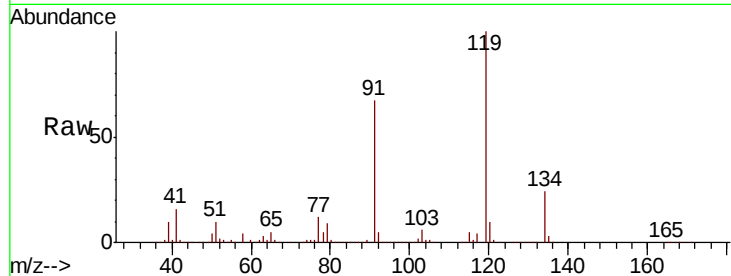
#83
tert-Butylbenzene
Concen: 54.067 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	32.9	98.6
134	23.8	12.0	36.0

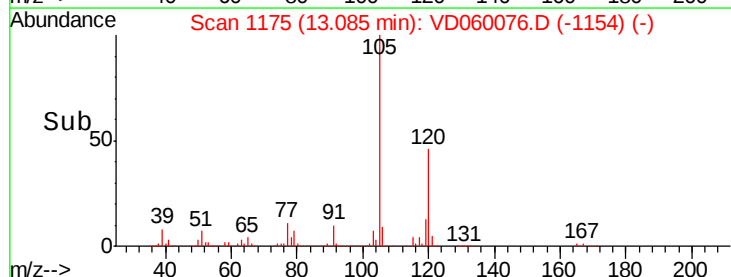
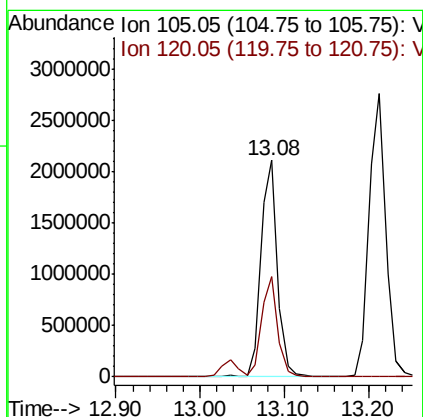
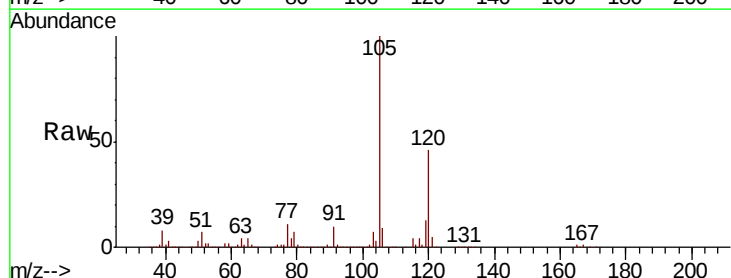
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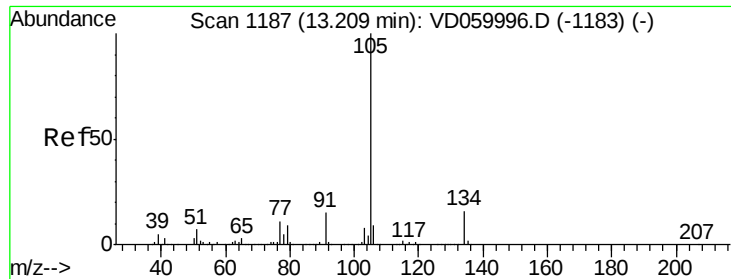
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#84
1,2,4-Trimethylbenzene
Concen: 54.000 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 54.425 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3803876

Ion Ratio Lower Upper

105 100

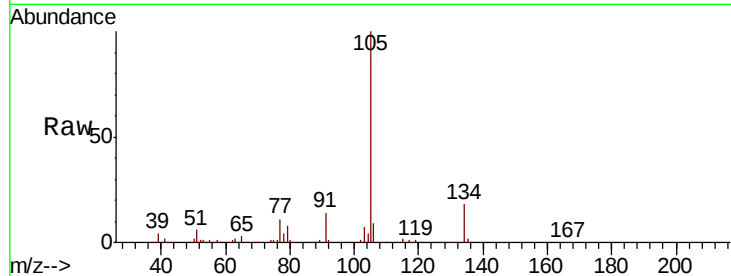
134 17.6 8.2 24.6

Manual Integrations

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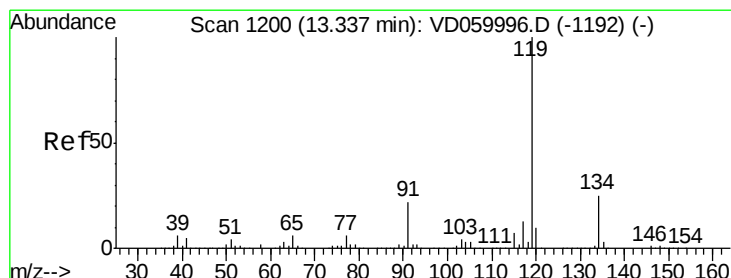
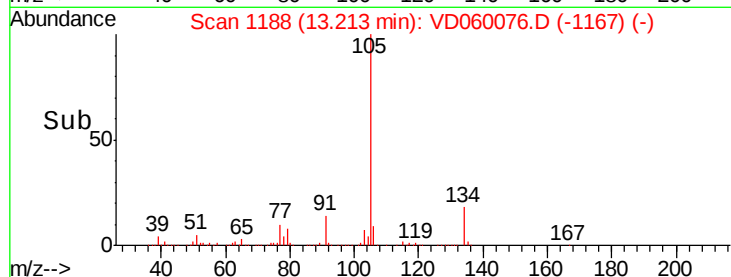
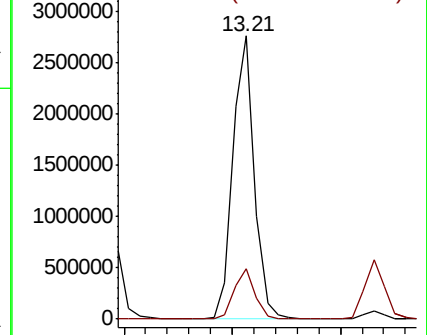
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.545 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060076.D

Acq: 24 Sep 2018 11:54

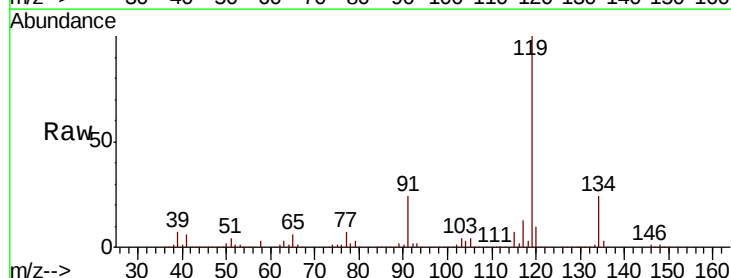
Tgt Ion:119 Resp: 3083362

Ion Ratio Lower Upper

119 100

134 24.3 12.8 38.3

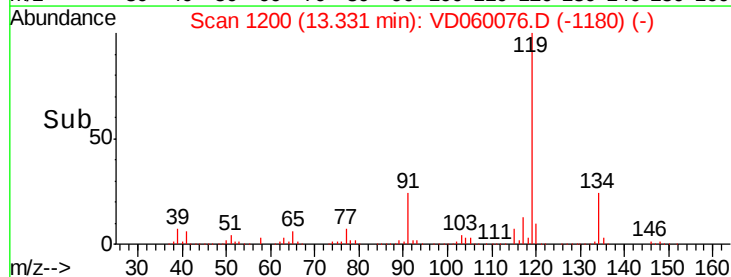
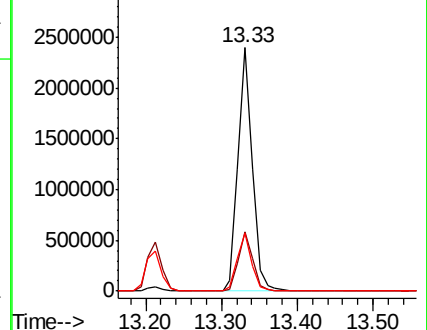
91 23.7 11.1 33.3

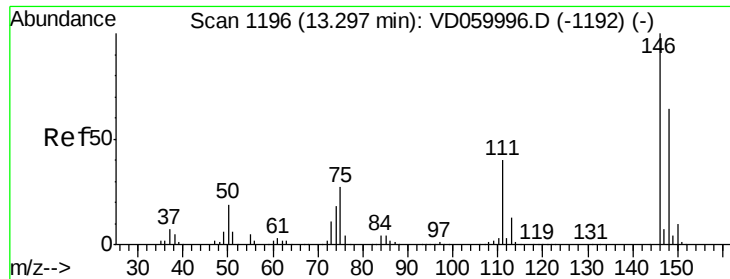


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





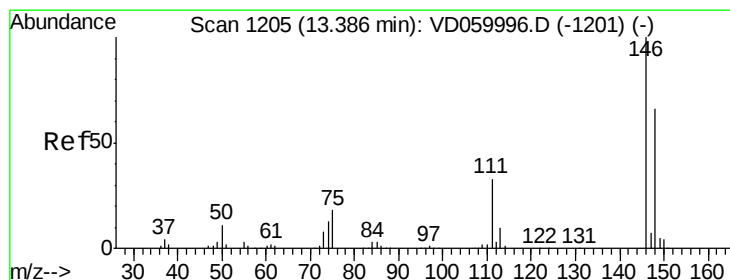
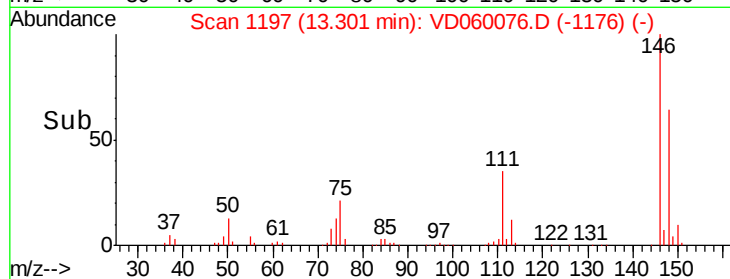
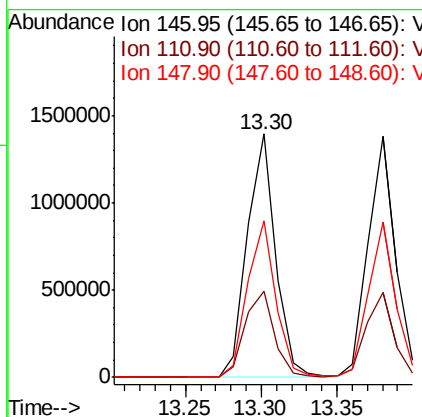
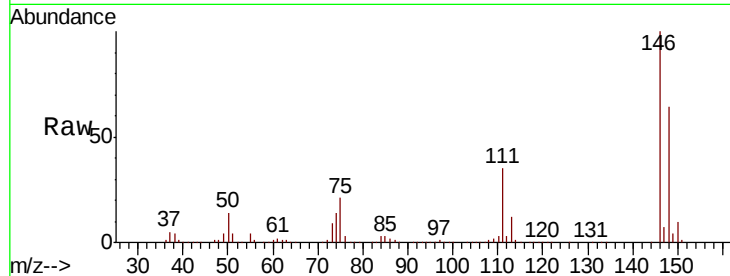
#87
 1,3-Dichlorobenzene
 Concen: 55.072 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.2	60.5
148	64.3	32.0	96.2

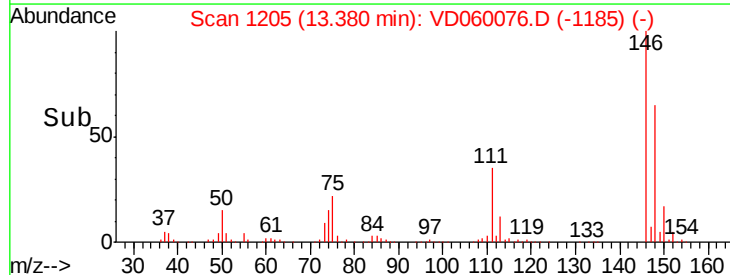
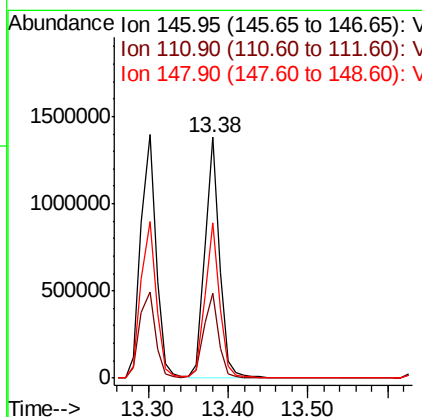
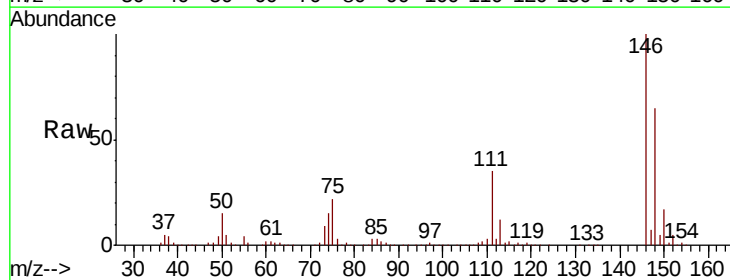
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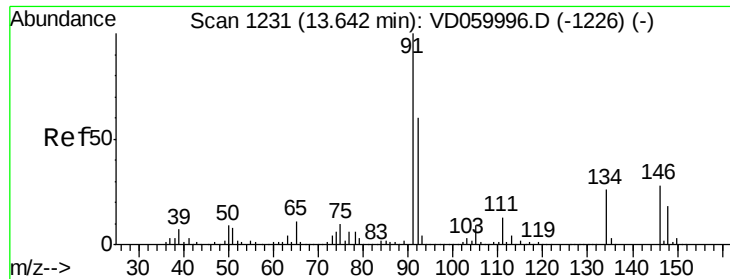
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#88
 1,4-Dichlorobenzene
 Concen: 52.386 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	16.7	50.0
148	64.5	32.9	98.6





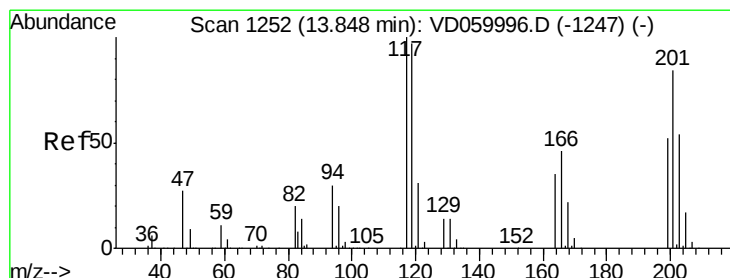
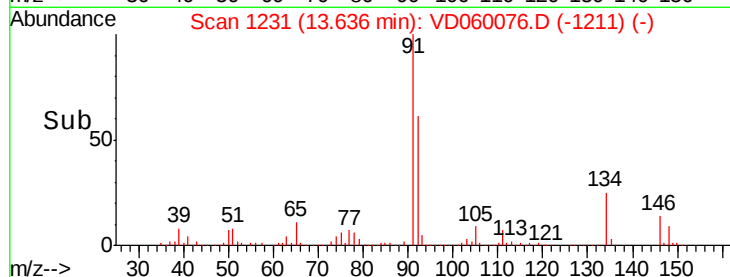
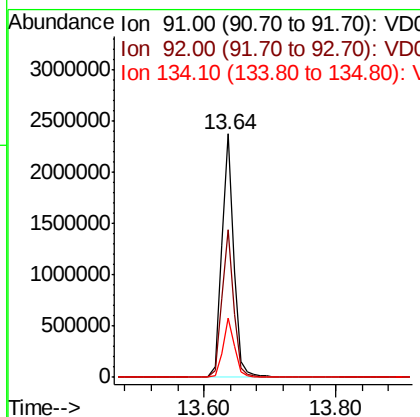
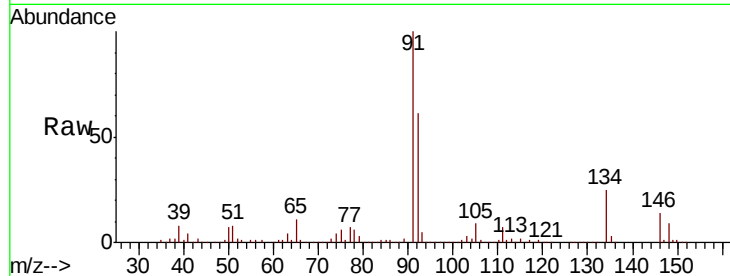
#89
n-Butylbenzene
Concen: 57.999 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2982666
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 24.5 13.2 39.6

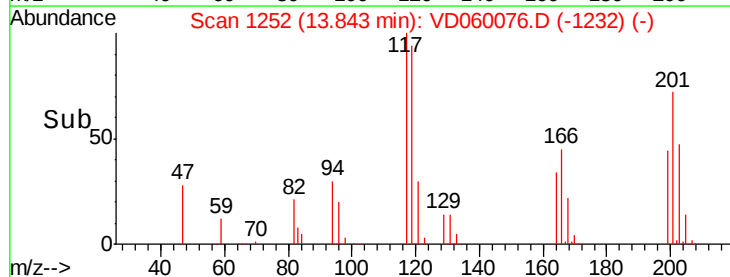
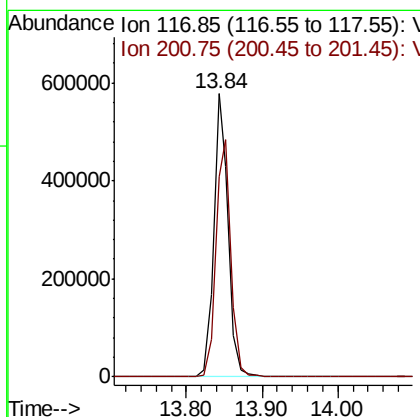
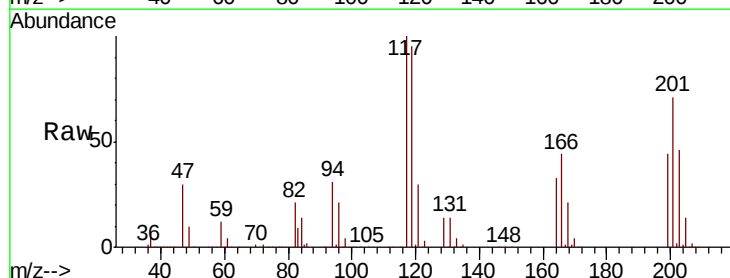
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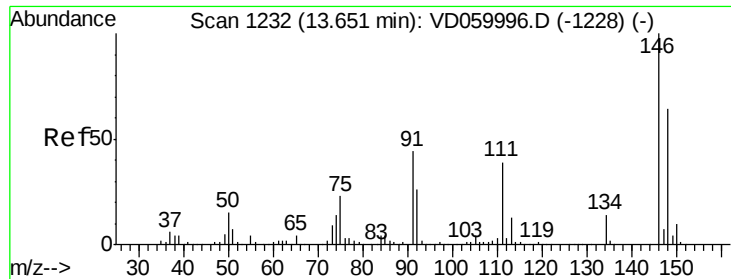
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#90
Hexachloroethane
Concen: 54.973 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion: 117 Resp: 769688
Ion Ratio Lower Upper
117 100
201 70.6 42.1 126.4





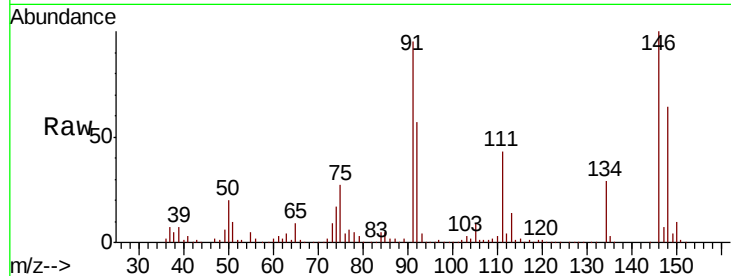
#91
 1,2-Dichlorobenzene
 Concen: 56.557 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	19.6	58.7
148	64.2	31.9	95.7

Manual Integrations
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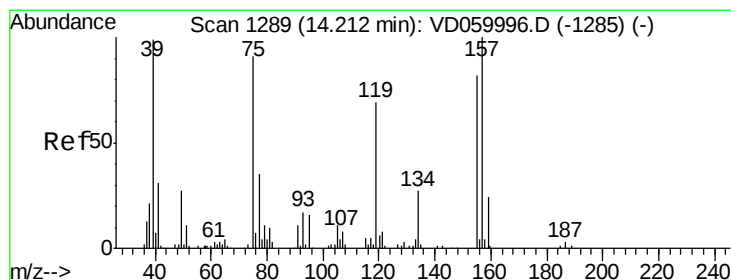
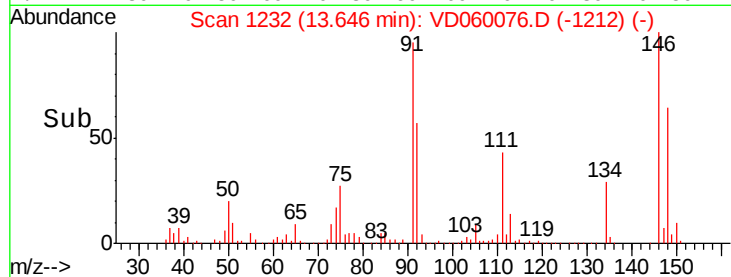
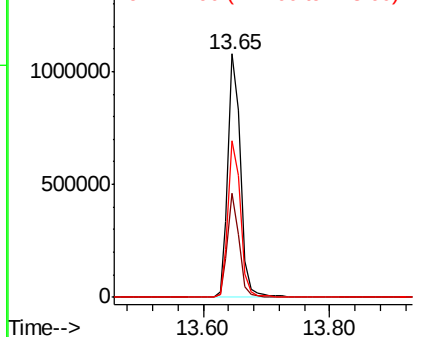


Abundance

Ion 145.95 (145.65 to 146.65): V

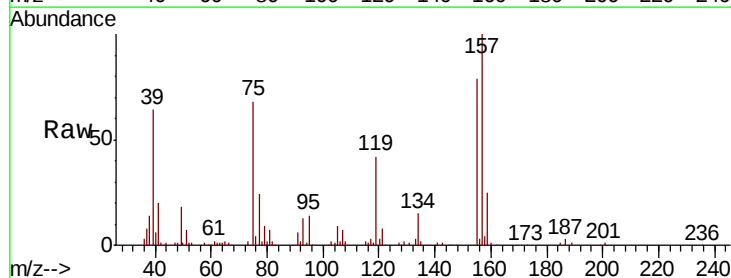
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.953 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.5	44.7	134.1
157	147.4	54.7	164.1

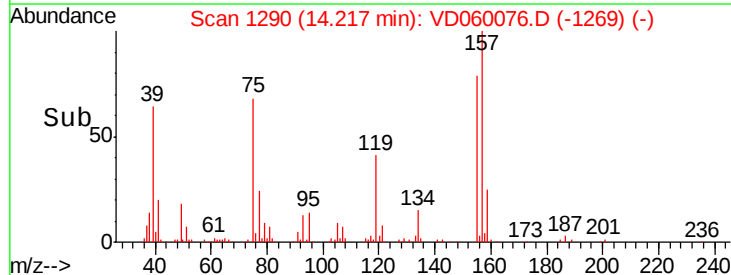
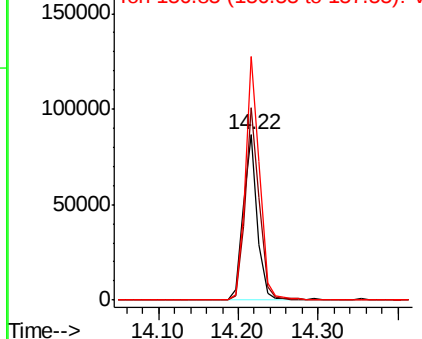


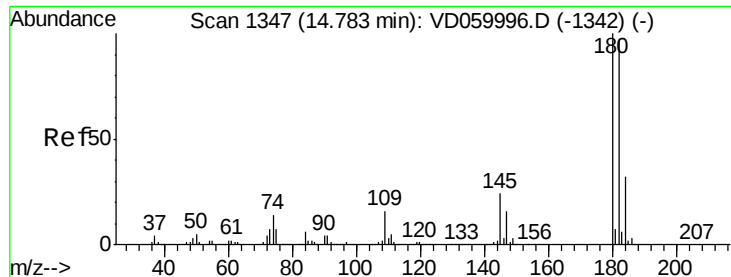
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





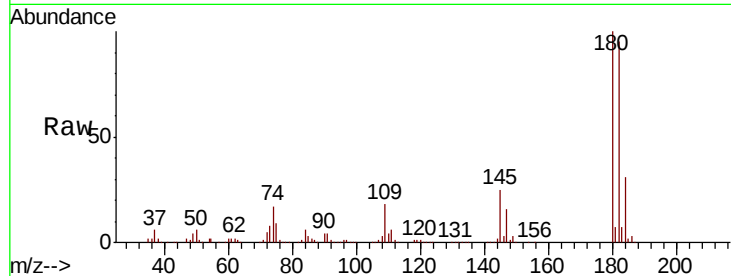
#93
 1,2,4-Trichlorobenzene
 Concen: 53.229 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

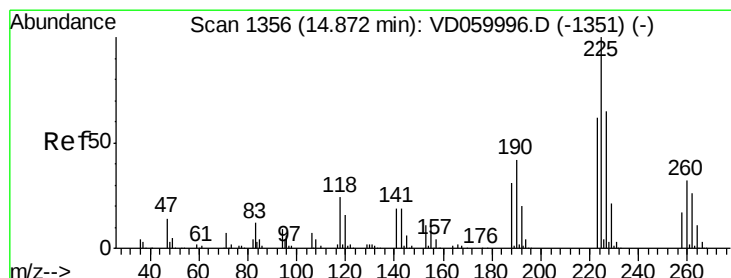
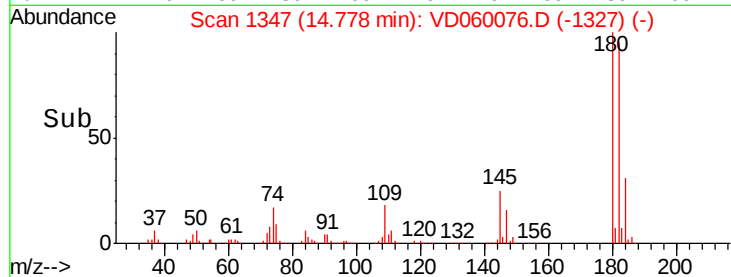
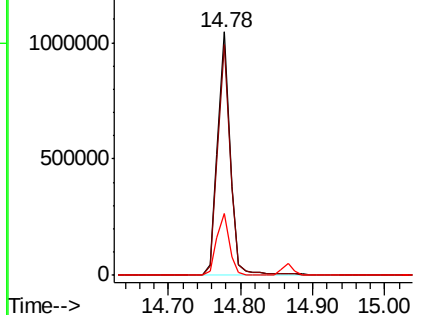
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.5	145.6
145	25.3	11.9	35.7

Manual Integrations
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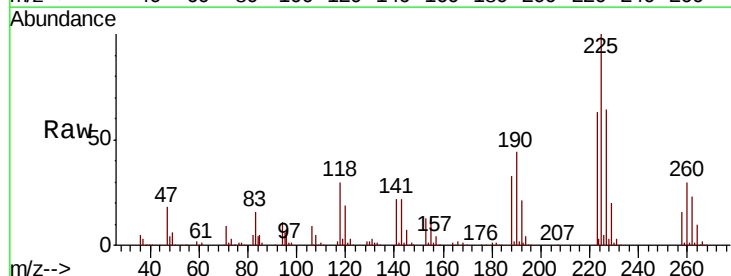


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

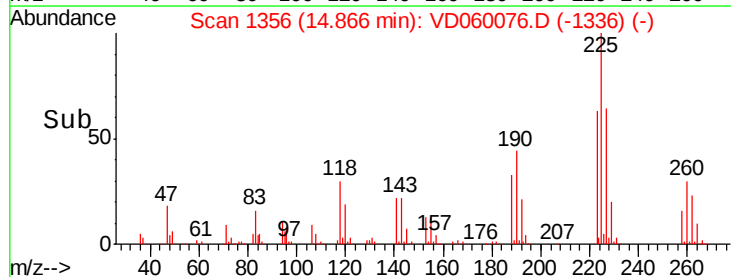
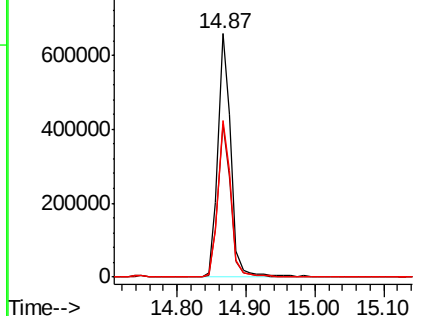


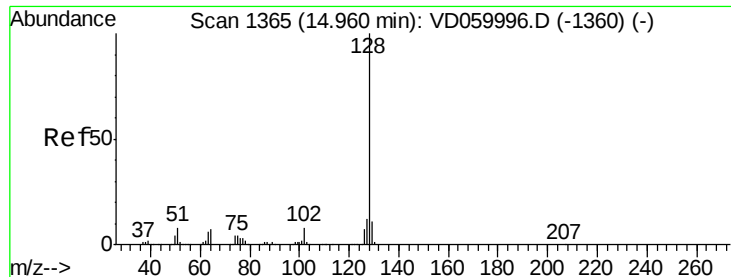
#94
 Hexachlorobutadiene
 Concen: 54.872 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD060076.D
 Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.2	93.6
227	64.3	32.3	96.8



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





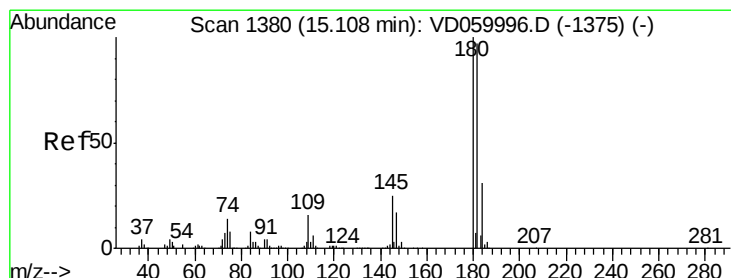
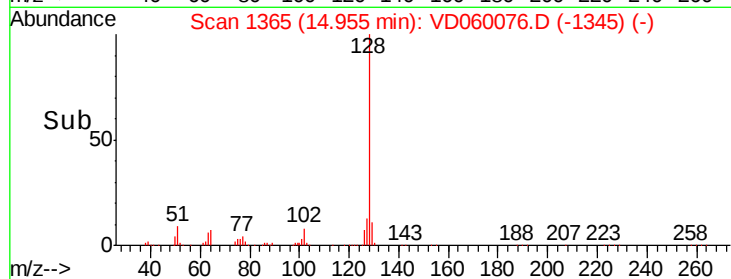
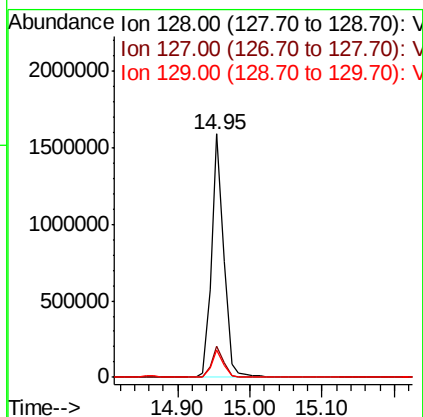
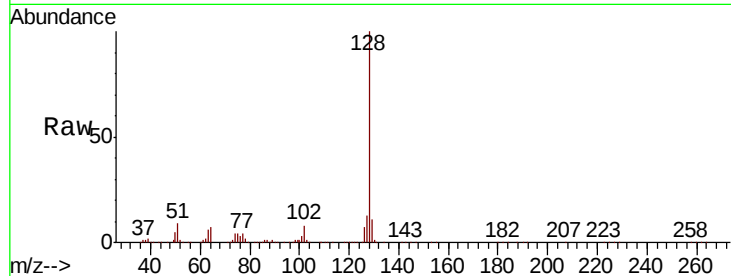
#95
Naphthalene
Concen: 50.819 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.7	14.5
129	11.1	8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 51.003 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060076.D
Acq: 24 Sep 2018 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	48.6	145.9
145	27.3	12.7	38.1

