

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060094.D
 Acq On : 28 Sep 2018 13:38
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

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 10/1/2018 3:58:56 PM

Quant Time: Sep 28 23:30:46 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	6.40	168	1528028	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2089475	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1673622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	906094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	646334	54.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	6.32	113	877250	53.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	9.46	98	2475766	54.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.43	95	943455	54.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	290248	17.995	ug/l	98
3) Chloromethane	1.74	50	318261	22.338	ug/l	99
4) Vinyl Chloride	1.84	62	246669	21.536	ug/l	99
5) Bromomethane	2.13	94	24745	18.252	ug/l	97
6) Chloroethane	2.23	64	61155	23.883	ug/l	95
7) Trichlorofluoromethane	2.49	101	296790	23.536	ug/l	99
8) Diethyl Ether	2.82	74	62663	23.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	192747	24.240	ug/l	98
10) Methyl Iodide	3.23	142	173176	20.563	ug/l	93
11) Tert butyl alcohol	3.97	59	80399	83.617	ug/l	98
12) 1,1-Dichloroethene	3.06	96	152435	24.245	ug/l	88
13) Acrolein	2.97	56	43545	73.132	ug/l	88
14) Allyl chloride	3.52	41	308994	23.304	ug/l	97
15) Acrylonitrile	4.07	53	384958	106.066	ug/l	99
16) Acetone	3.15	43	301621	131.103	ug/l	99
17) Carbon Disulfide	3.30	76	468786	21.640	ug/l	100
18) Methyl Acetate	3.54	43	100844	21.553	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	614235	21.144	ug/l	98
20) Methylene Chloride	3.70	84	412205	21.000	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	353394	21.419	ug/l	95
22) Diisopropyl ether	4.84	45	1314504	21.734	ug/l	96
23) Vinyl Acetate	4.79	43	3748235	109.392	ug/l	100
24) 1,1-Dichloroethane	4.74	63	594351	21.898	ug/l	100
25) 2-Butanone	5.61	43	742095	119.534	ug/l	97
26) 2,2-Dichloropropane	5.58	77	464056	21.992	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	375826	21.777	ug/l	100
28) Bromochloromethane	5.92	49	271293	20.794	ug/l	93
29) Tetrahydrofuran	5.94	42	325162	97.664	ug/l	100
30) Chloroform	6.09	83	608360	22.102	ug/l	97
31) Cyclohexane	6.36	56	542278	20.491	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	498551	21.839	ug/l	98
36) 1,1-Dichloropropene	6.52	75	454332	21.890	ug/l	96
37) Ethyl Acetate	5.69	43	297867	20.869	ug/l	99
38) Carbon Tetrachloride	6.50	117	415624	21.451	ug/l	100

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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	8.03	83	519951	22.145	ug/l	99
40) Benzene	6.79	78	1173859	22.190	ug/l	100
41) Methacrylonitrile	5.92	41	151679m	20.290	ug/l	
42) 1,2-Dichloroethane	6.89	62	331552	20.873	ug/l	100
43) Isopropyl Acetate	8.35	43	382466	20.013	ug/l	99
44) Trichloroethene	7.74	130	365772	22.379	ug/l	100
45) 1,2-Dichloropropane	8.10	63	315060	22.273	ug/l	99
46) Dibromomethane	8.22	93	195695	21.203	ug/l	92
47) Bromodichloromethane	8.48	83	434173	21.819	ug/l	97
48) Methyl methacrylate	8.25	41	225059	21.145	ug/l	98
49) 1,4-Dioxane	8.23	88	41558	393.118	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1558181	112.022	ug/l	100
52) Toluene	9.55	92	770831	22.732	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	385728	20.784	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	487050	21.964	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	250640	21.289	ug/l	97
56) Ethyl methacrylate	10.03	69	269872	20.666	ug/l	99
57) 1,3-Dichloropropane	10.38	76	384811	22.143	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	691487	109.657	ug/l	97
59) 2-Hexanone	10.49	43	1128853	112.838	ug/l	98
60) Dibromochloromethane	10.64	129	300976	21.004	ug/l	98
61) 1,2-Dibromoethane	10.76	107	255015	20.979	ug/l	99
64) Tetrachloroethene	10.26	164	328773	22.265	ug/l	98
65) Chlorobenzene	11.32	112	830526	23.082	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	285555	23.529	ug/l	99
67) Ethyl Benzene	11.43	91	1400853	24.192	ug/l	98
68) m/p-Xylenes	11.56	106	1063632	49.736	ug/l	95
69) o-Xylene	11.94	106	497982	23.501	ug/l	95
70) Styrene	11.96	104	831460	23.336	ug/l	98
71) Bromoform	12.11	173	214535	20.575	ug/l	97
73) Isopropylbenzene	12.27	105	1390179	23.394	ug/l	99
74) N-amyl acetate	12.13	43	493382	20.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	286261	21.234	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	281397	20.334	ug/l	99
77) Bromobenzene	12.54	156	385531	22.522	ug/l	92
78) n-propylbenzene	12.64	91	1730873	23.162	ug/l	97
79) 2-Chlorotoluene	12.71	91	940204	22.291	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1112130	24.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	83213	19.920	ug/l	98
82) 4-Chlorotoluene	12.81	91	1110739	23.953	ug/l	92
83) tert-Butylbenzene	13.05	119	1250914	23.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1138713	23.427	ug/l	99
85) sec-Butylbenzene	13.22	105	1496608	23.893	ug/l	99
86) p-Isopropyltoluene	13.35	119	1179654	23.285	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	683321	22.955	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	680558	22.540	ug/l	98
89) n-Butylbenzene	13.65	91	1231032	22.843	ug/l	99
90) Hexachloroethane	13.86	117	275946	21.991	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	595884	21.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	37934	18.458	ug/l #	42

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Instrument :
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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.79	180	465222	21.931	ug/l	100
94) Hexachlorobutadiene	14.88	225	316558	22.559	ug/l	99
95) Naphthalene	14.97	128	700044	21.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	408708	21.863	ug/l	99

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

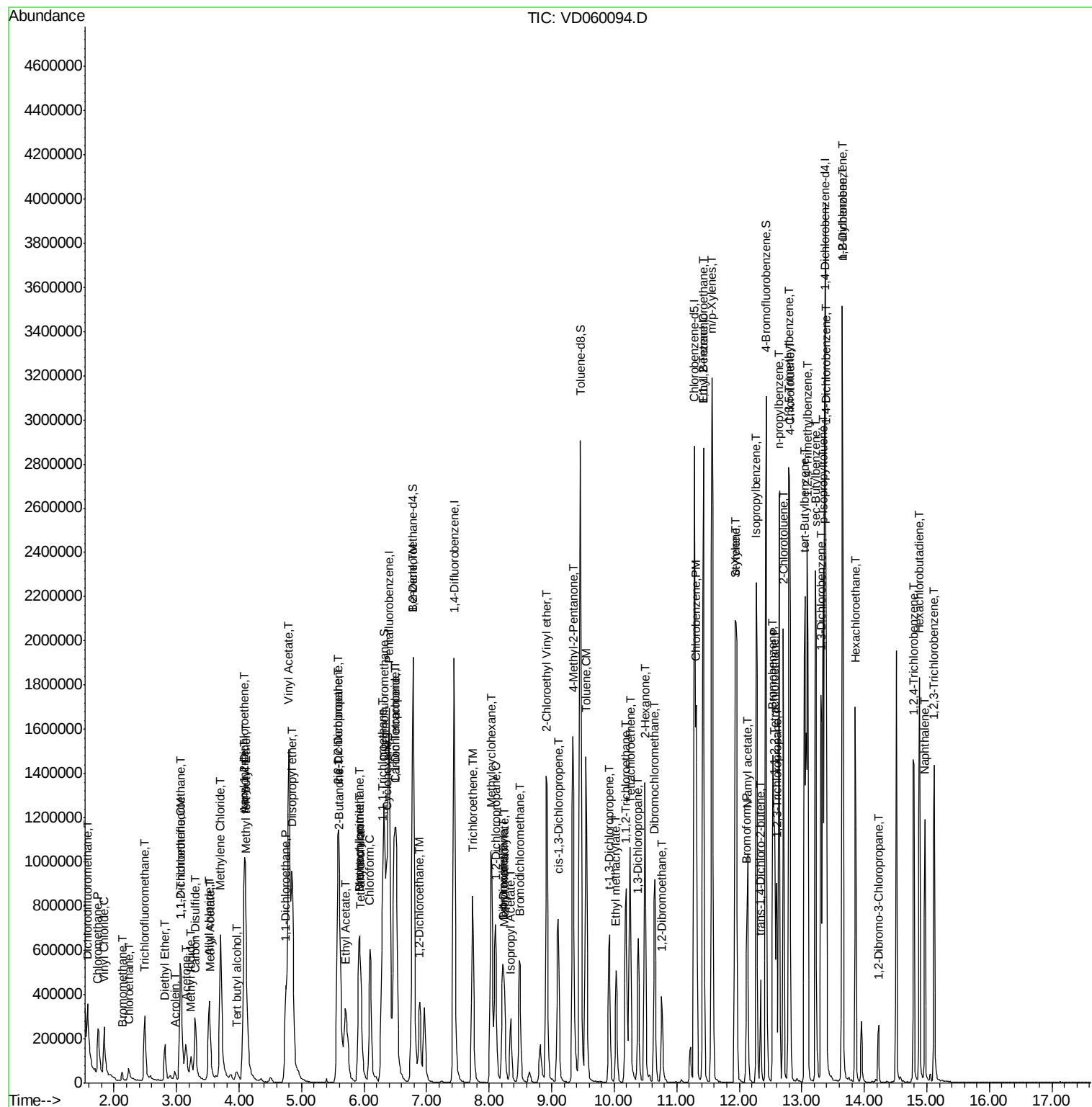
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092818\
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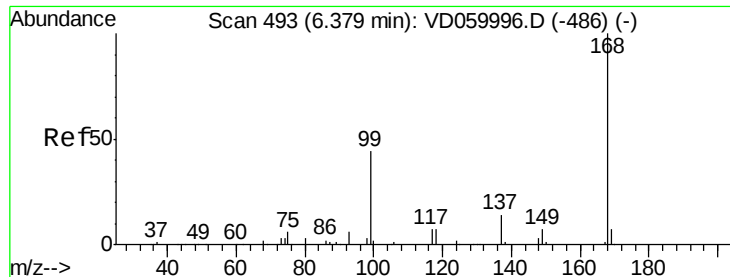
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:168 Resp: 1528028

Ion Ratio Lower Upper

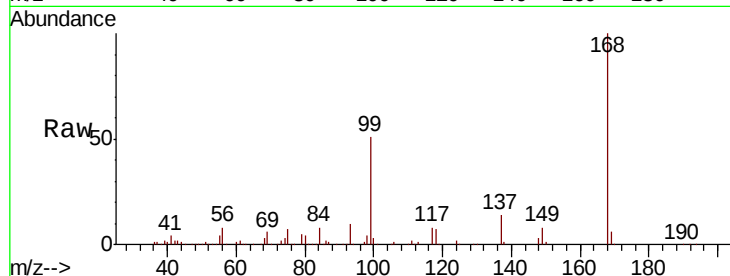
168 100

99 50.6 38.5 57.7

Manual Integrations
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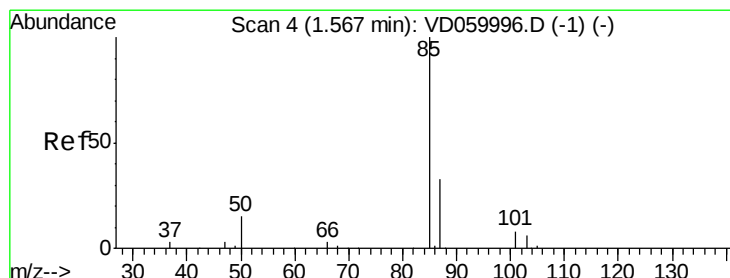
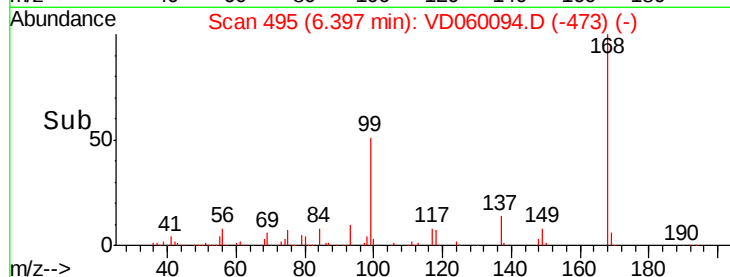
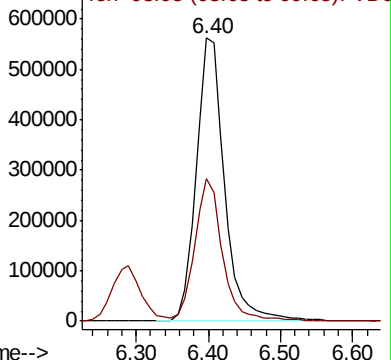
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.995 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060094.D

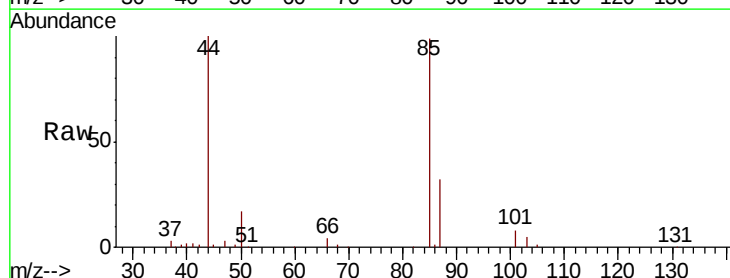
Acq: 28 Sep 2018 13:38

Tgt Ion: 85 Resp: 290248

Ion Ratio Lower Upper

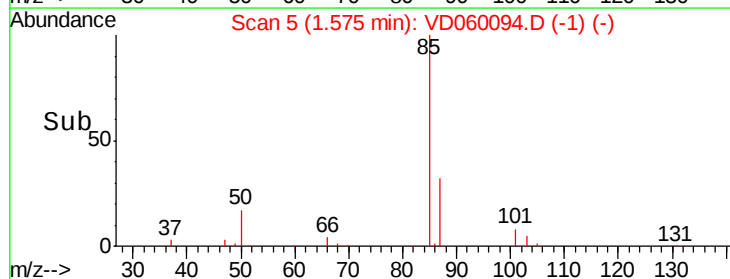
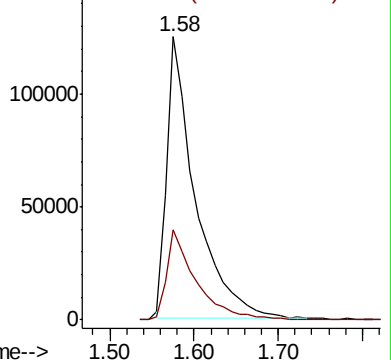
85 100

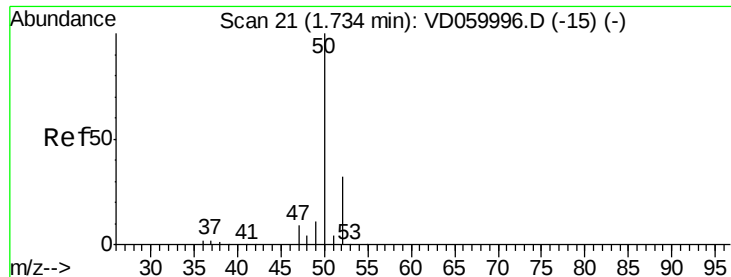
87 31.7 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.338 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampled :

VD0928SBS01

Tot Ion: 50 Resp: 318261

Ion Ratio Lower Upper

50 100

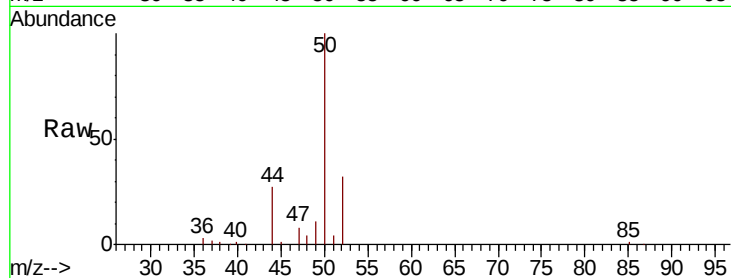
52 32.4 25.4 38.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

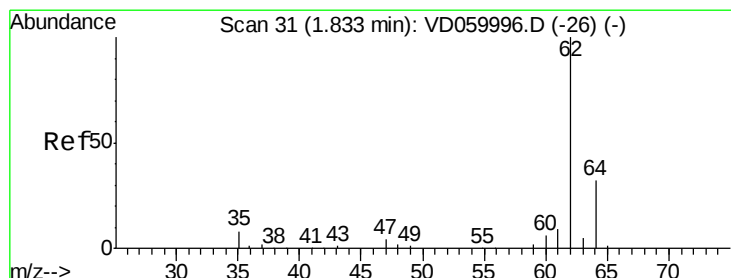
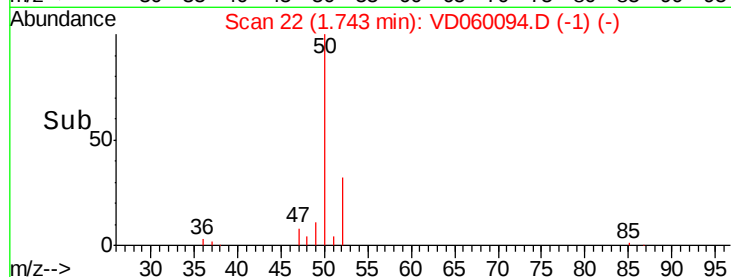
1.74

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 21.536 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060094.D

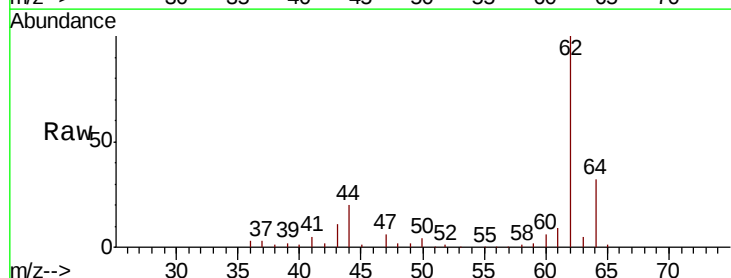
Acq: 28 Sep 2018 13:38

Tgt Ion: 62 Resp: 246669

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

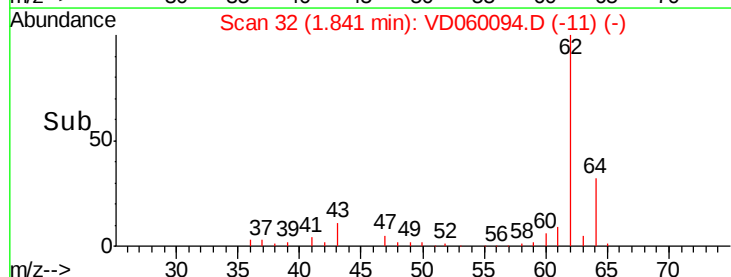
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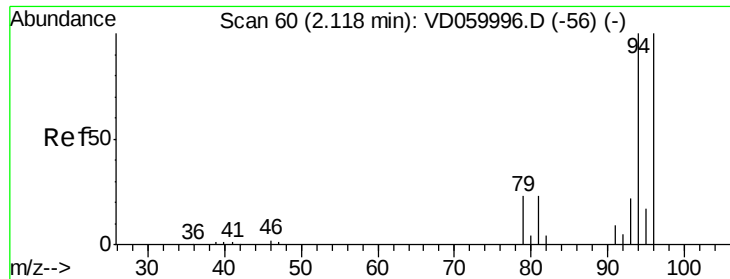
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.252 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 94 Resp: 24745

Ion Ratio Lower Upper

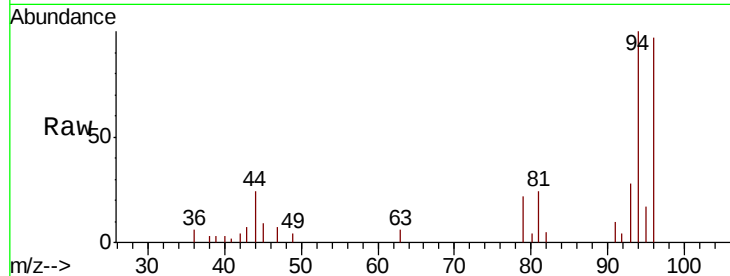
94 100

96 96.6 79.8 119.8

Manual Integrations
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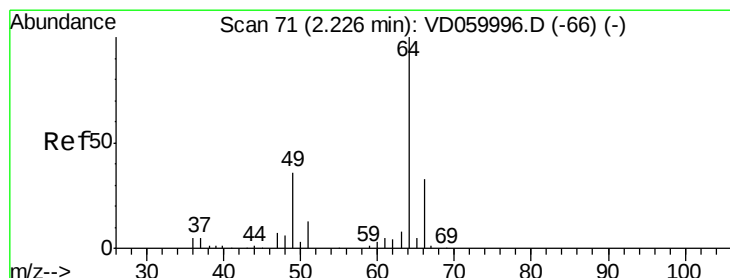
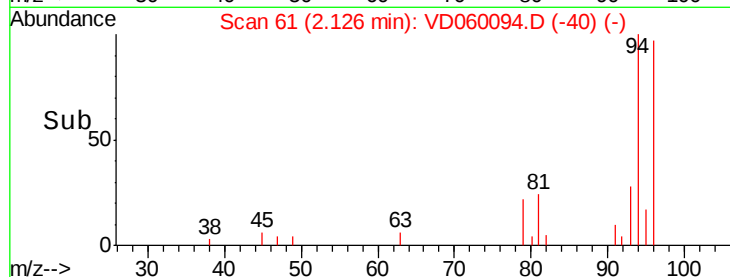
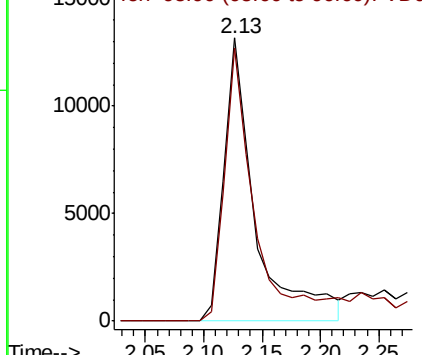
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.883 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060094.D

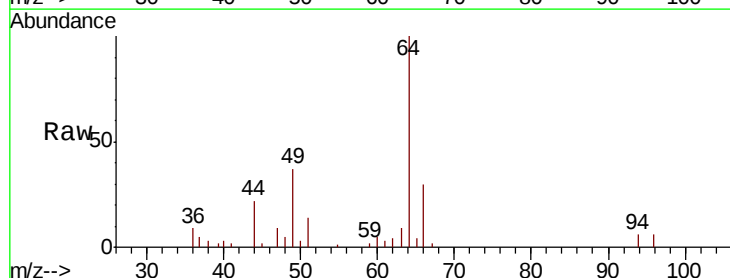
Acq: 28 Sep 2018 13:38

Tgt Ion: 64 Resp: 61155

Ion Ratio Lower Upper

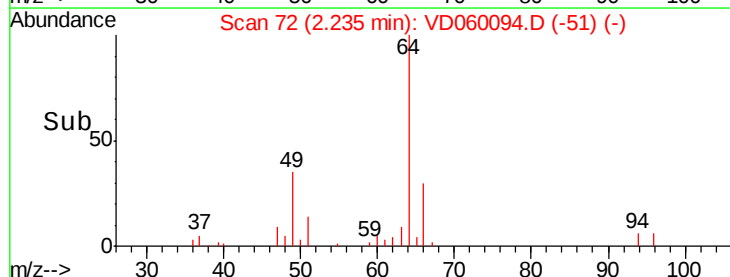
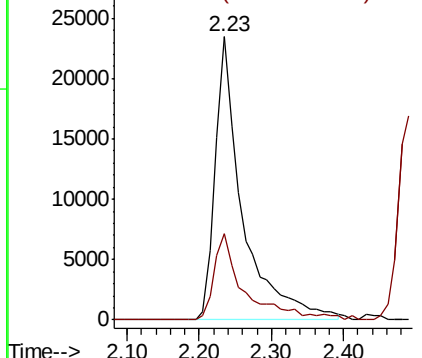
64 100

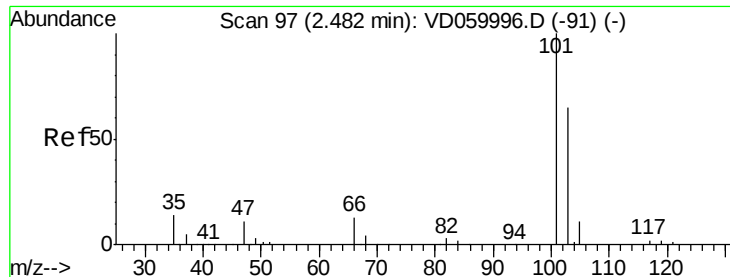
66 30.5 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

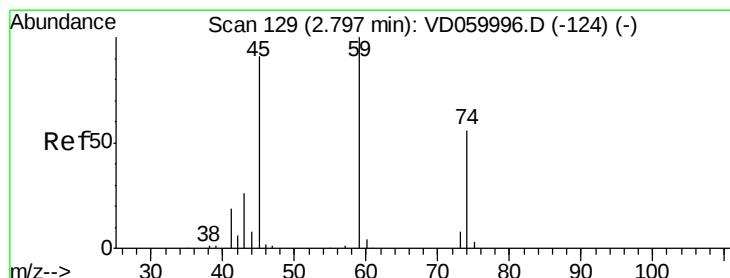
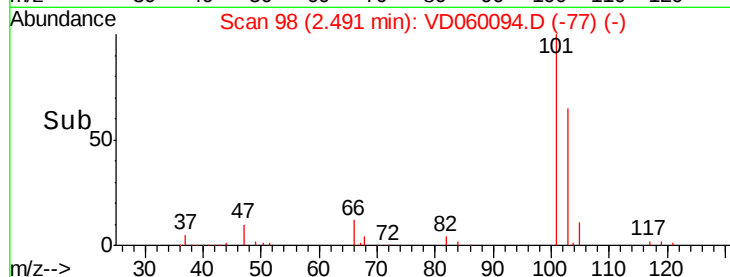
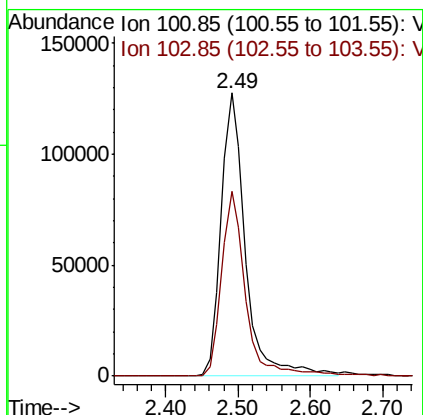
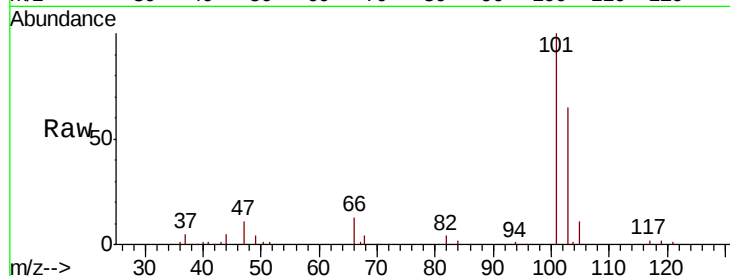
Trichlorofluoromethane
 Concen: 23.536 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
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 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	296790		
103	65.2	51.6	77.4	

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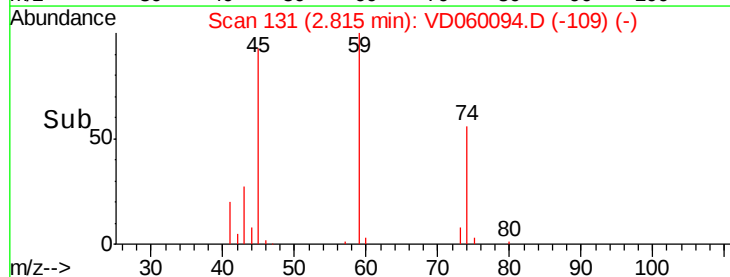
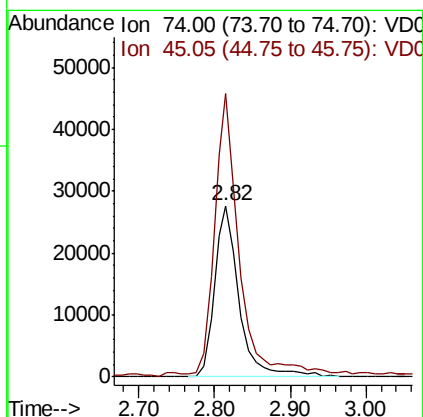
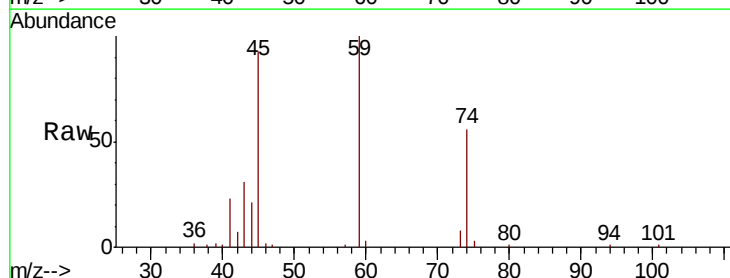
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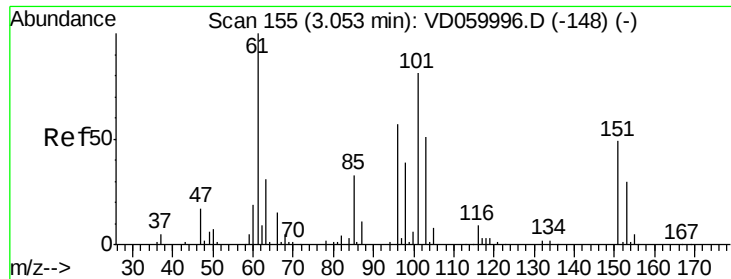


#8

Diethyl Ether
 Concen: 23.377 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62663		
45	165.2	81.2	243.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.240 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

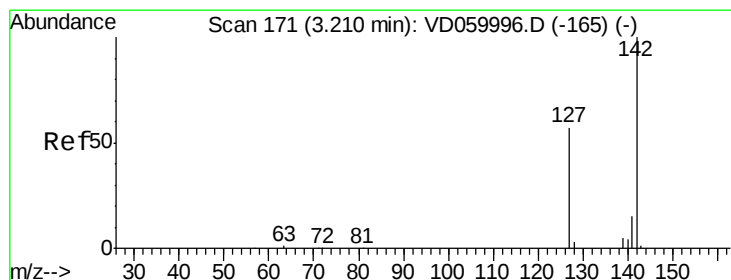
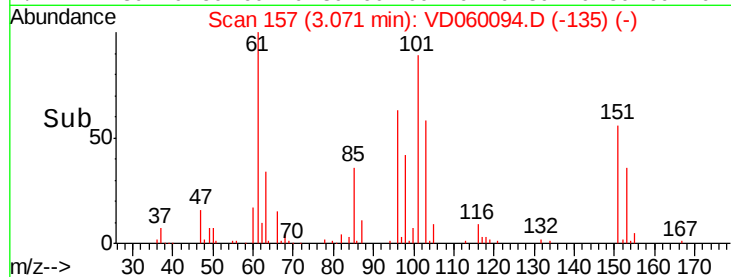
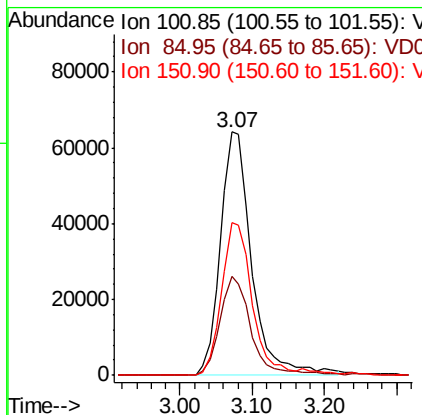
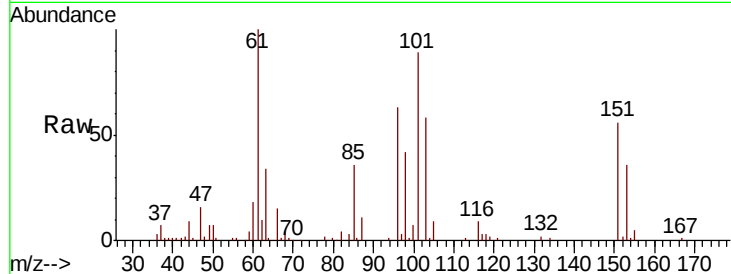
ClientSampleId :

VD0928SBS01

Tot Ion:	101	Resp:	192747
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.1	49.7
151	62.7	48.2	72.4

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#10

Methyl Iodide

Concen: 20.563 ug/l

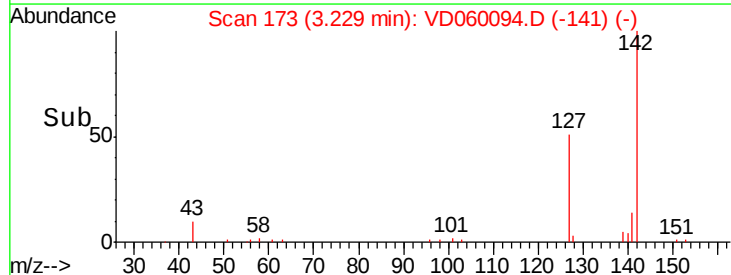
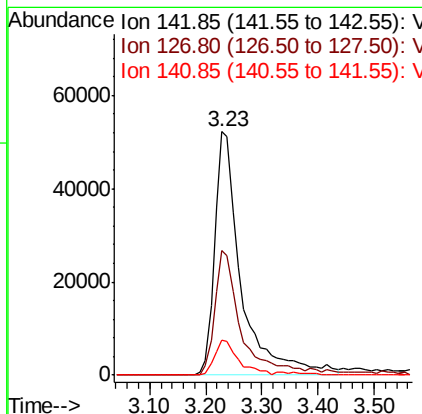
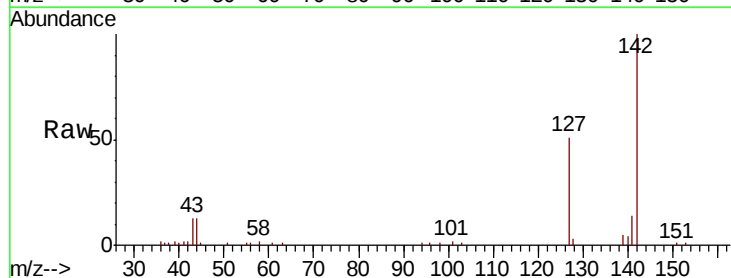
RT: 3.23 min Scan# 173

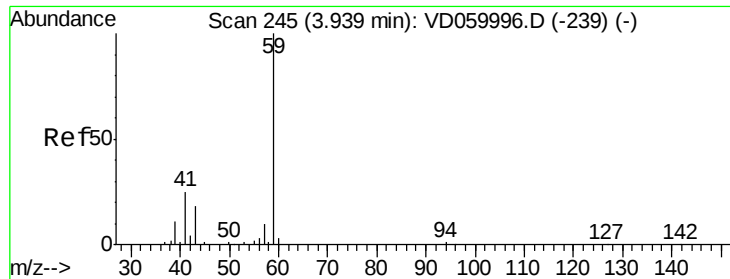
Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion:	142	Resp:	173176
Ion Ratio	Lower	Upper	
142	100		
127	51.0	45.8	68.8
141	14.3	12.2	18.4





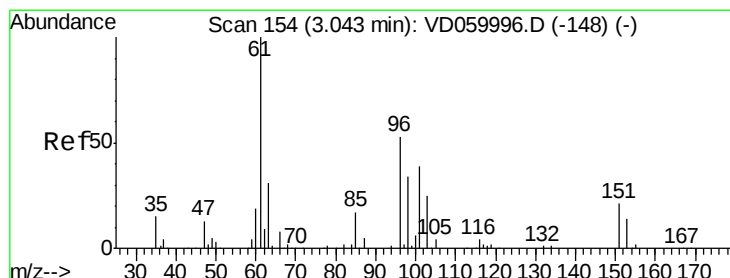
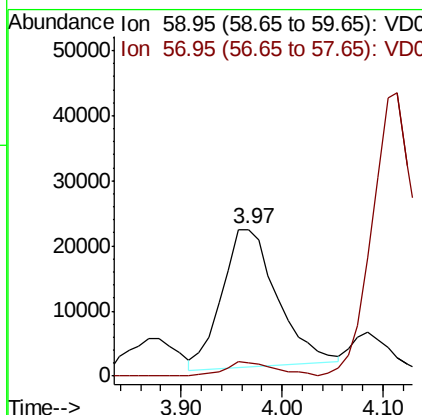
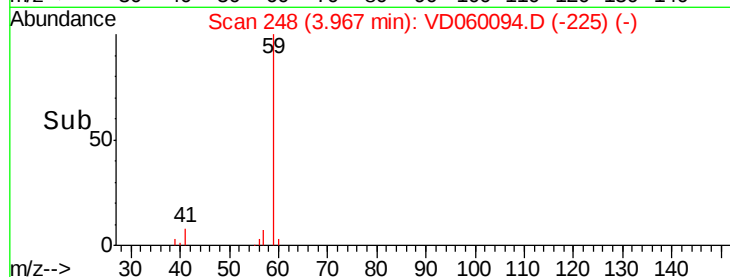
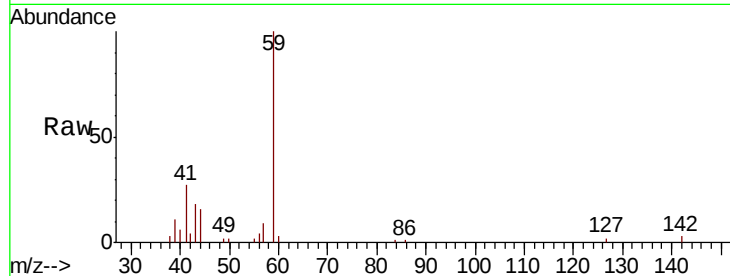
#11
Tert butyl alcohol
Concen: 83.617 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 59 Resp: 80399
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2

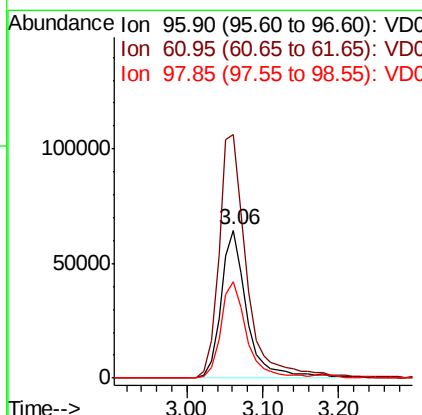
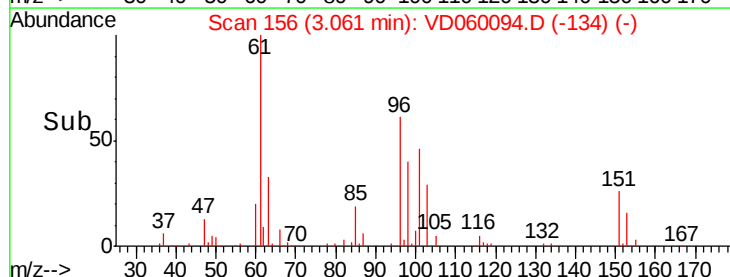
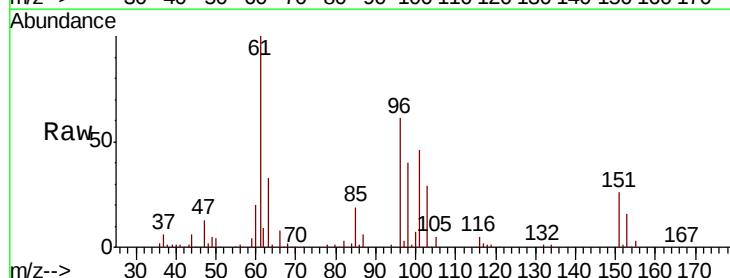
Manual Integrations
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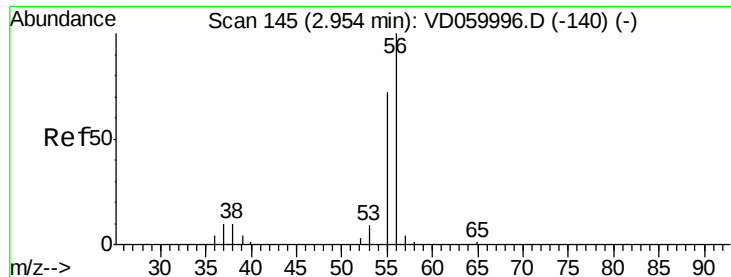
apatel
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#12
1,1-Dichloroethene
Concen: 24.245 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 96 Resp: 152435
Ion Ratio Lower Upper
96 100
61 164.6 149.8 224.6
98 65.2 50.2 75.4





#13

Acrolein

Concen: 73.132 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 56 Resp: 43545

Ion Ratio Lower Upper

56 100

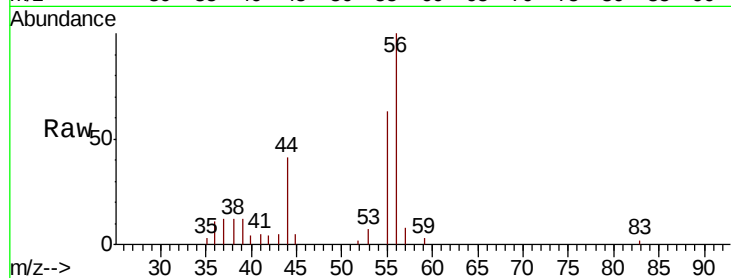
55 62.7 58.3 87.5

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

2.97

20000

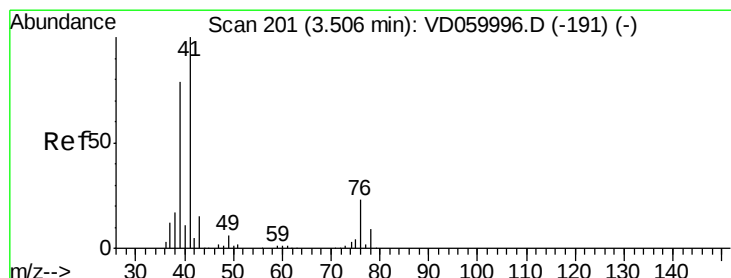
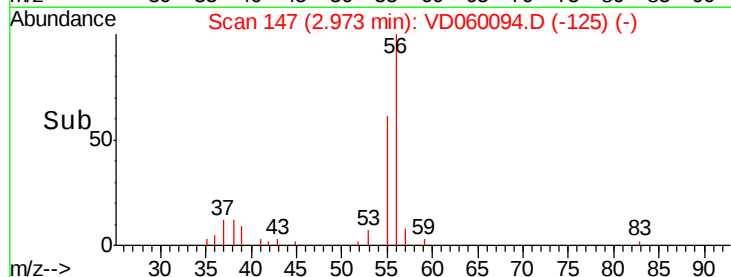
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 23.304 ug/l

RT: 3.52 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

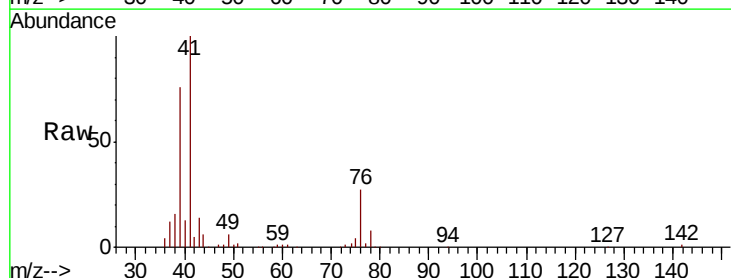
Tgt Ion: 41 Resp: 308994

Ion Ratio Lower Upper

41 100

39 75.7 63.6 95.4

76 26.7 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

3.52

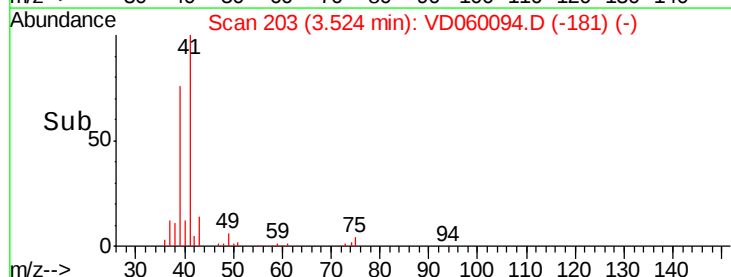
150000

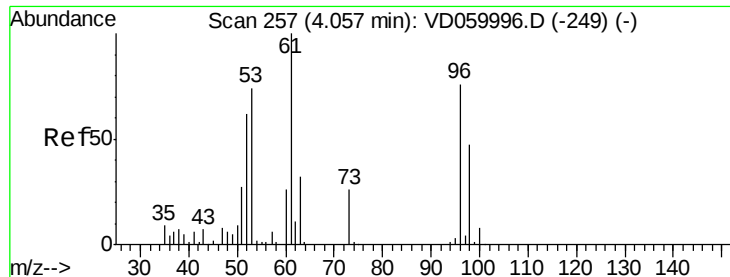
100000

50000

0

Time-->





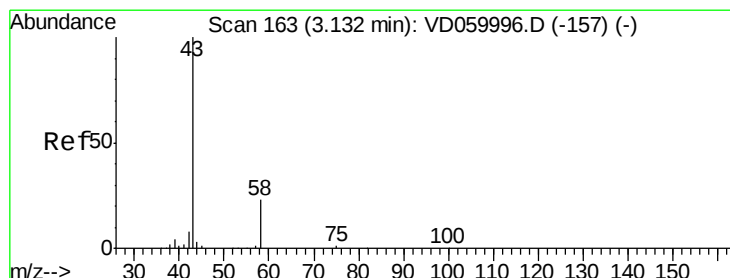
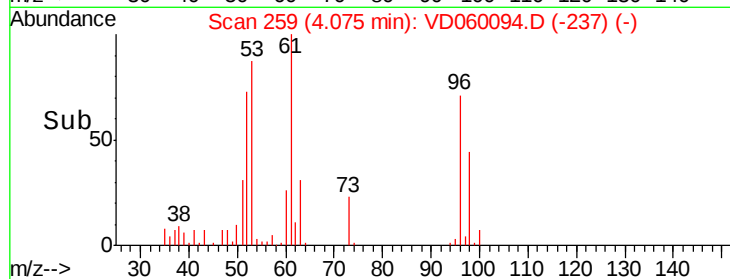
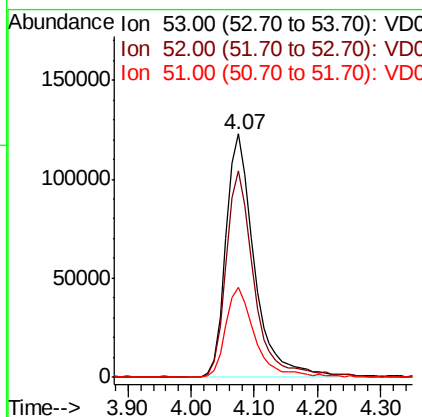
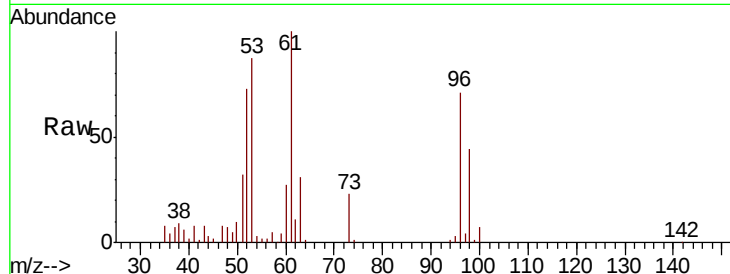
#15
 Acrylonitrile
 Concen: 106.066 ug/l
 RT: 4.07 min Scan# 259
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	53	52	51
Resp	384958		
Ratio	100	84.7	36.9
Lower		66.7	29.0
Upper		100.1	43.6

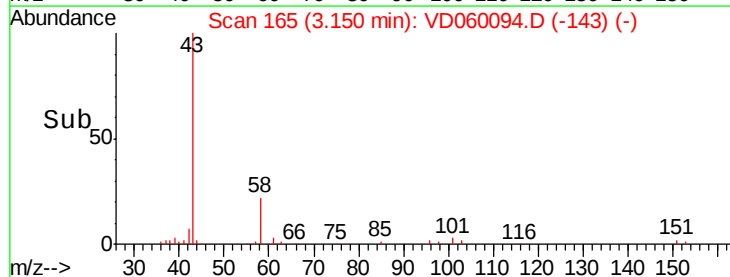
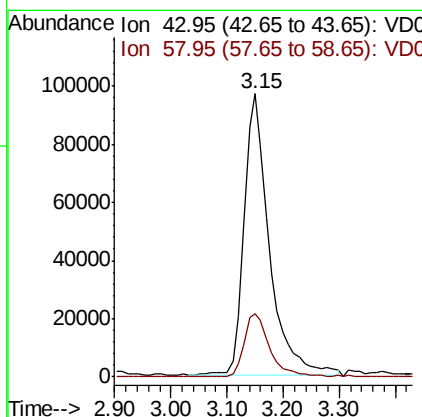
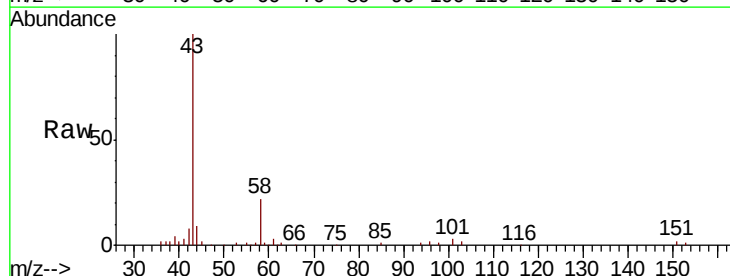
Manual Integrations
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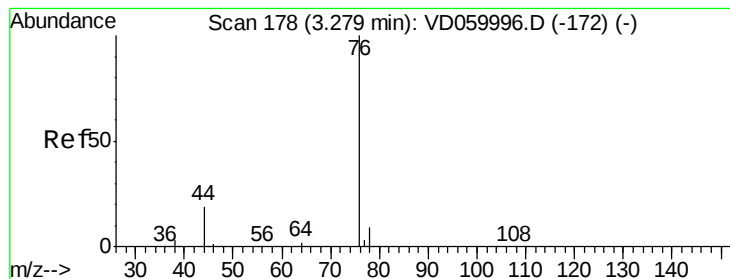
apatel
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#16
 Acetone
 Concen: 131.103 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	43	58
Resp	301621	
Ratio	100	22.2
Lower		18.1
Upper		27.1





#17

Carbon Disulfide

Concen: 21.640 ug/l

RT: 3.30 min Scan# 180

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 76 Resp: 468786

Ion Ratio Lower Upper

76 100

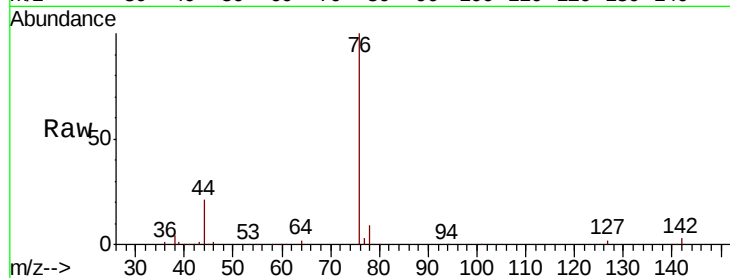
78 8.7 7.0 10.4

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

200000

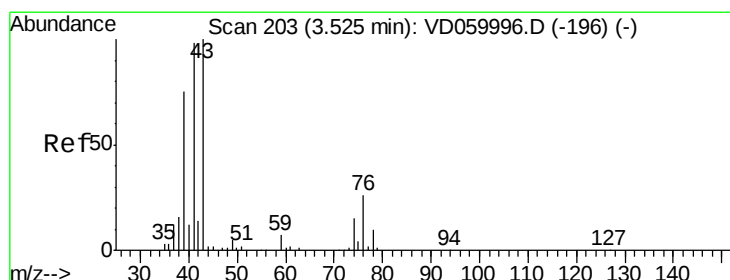
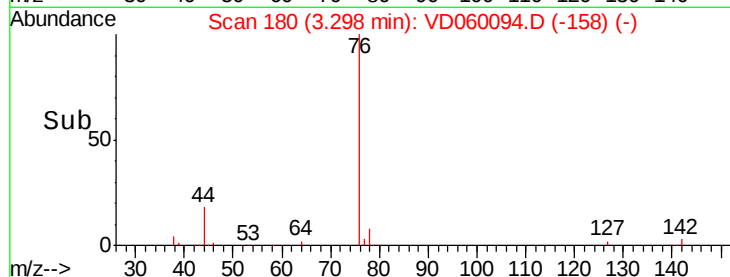
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.553 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.02 min

Lab File: VD060094.D

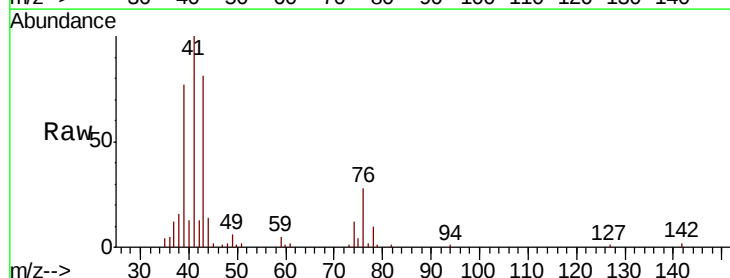
Acq: 28 Sep 2018 13:38

Tgt Ion: 43 Resp: 100844

Ion Ratio Lower Upper

43 100

74 14.6 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

40000

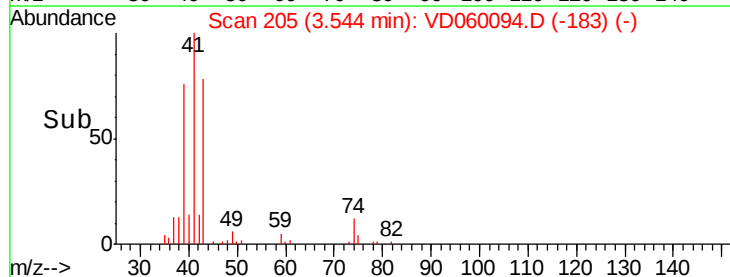
30000

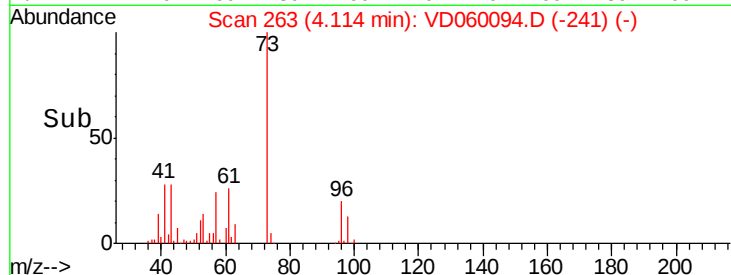
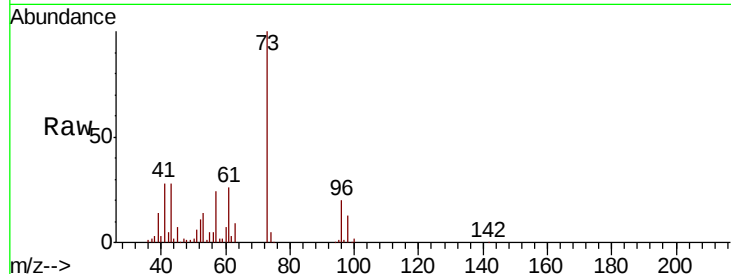
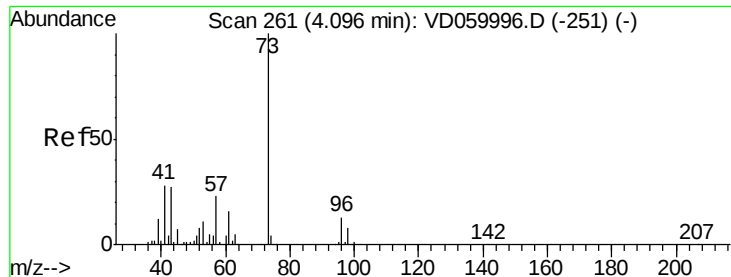
20000

10000

0

Time-->





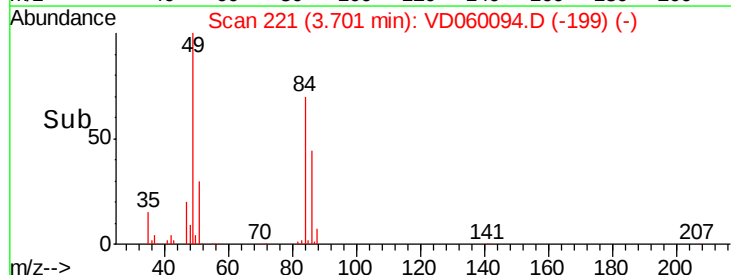
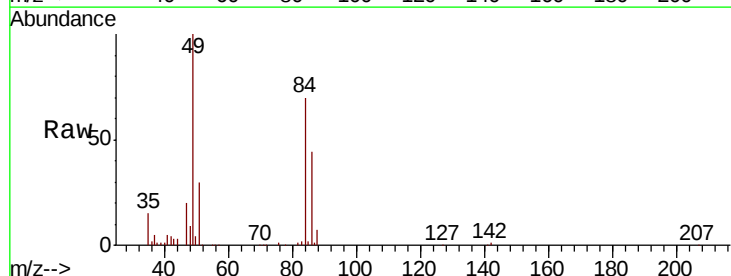
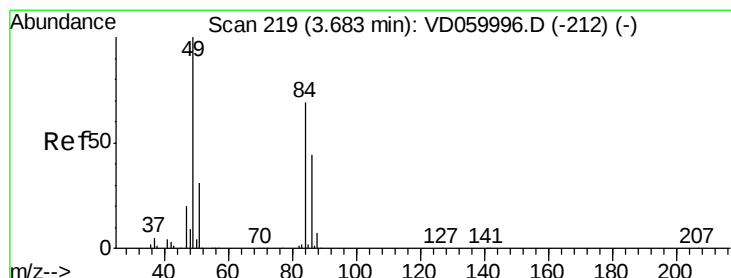
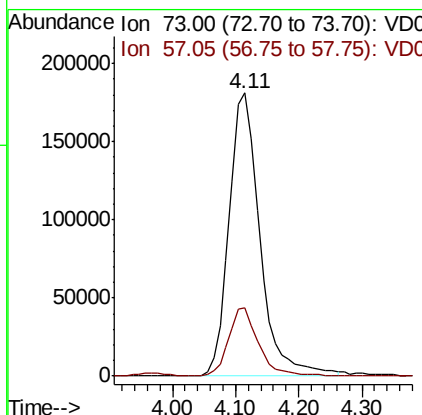
#19
Methvl tert-butvl Ether
Concen: 21.144 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tot Ion: 73 Resp: 614235
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

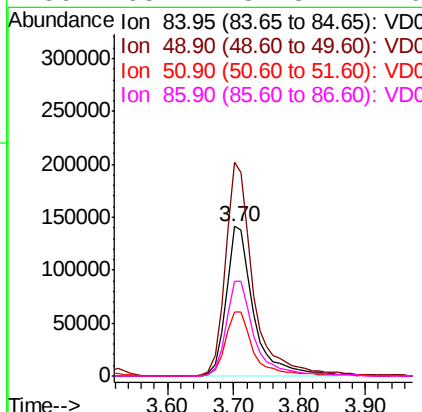
Manual Integrations
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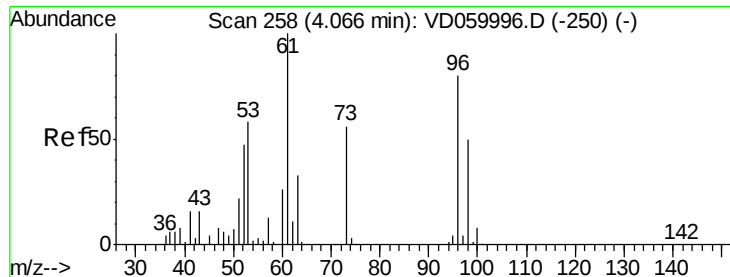
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#20
Methylene Chloride
Concen: 21.000 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 84 Resp: 412205
Ion Ratio Lower Upper
84 100
49 142.8 116.6 175.0
51 42.9 35.9 53.9
86 63.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 21.419 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 96 Resp: 353394

Ion Ratio Lower Upper

96 100

61 132.9 100.1 150.1

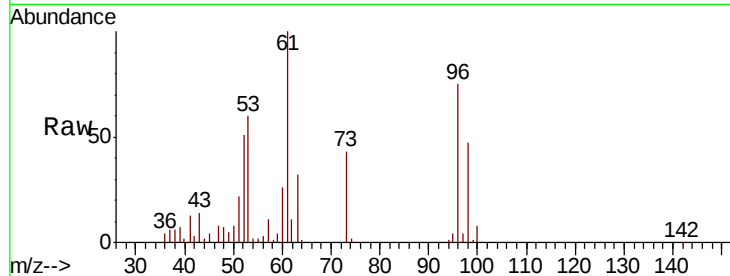
98 63.1 49.5 74.3

Manual Integrations

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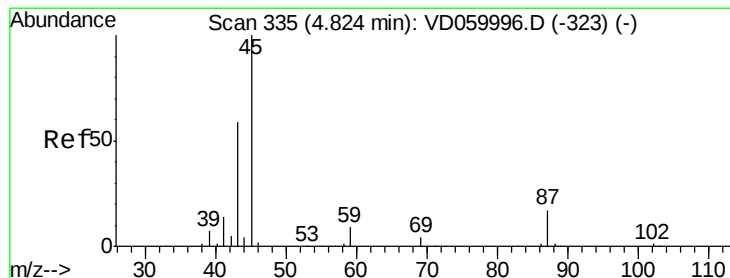
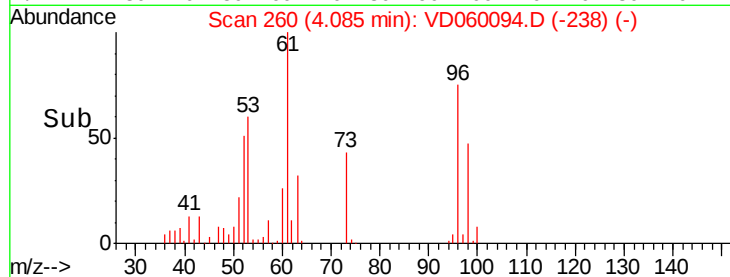
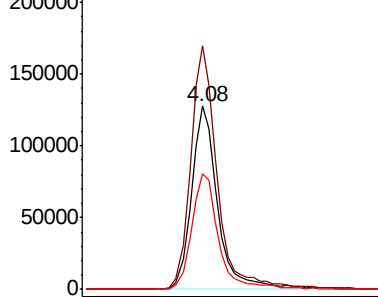
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.734 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion: 45 Resp: 1314504

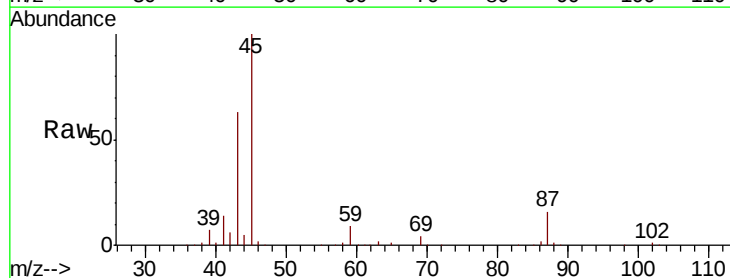
Ion Ratio Lower Upper

45 100

43 62.6 47.1 70.7

87 15.5 14.2 21.2

59 8.8 7.0 10.6

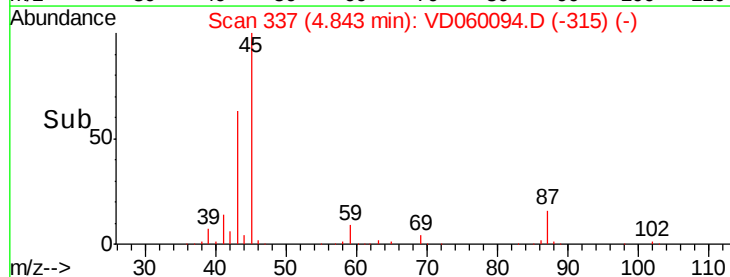
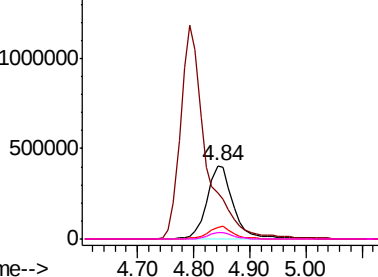


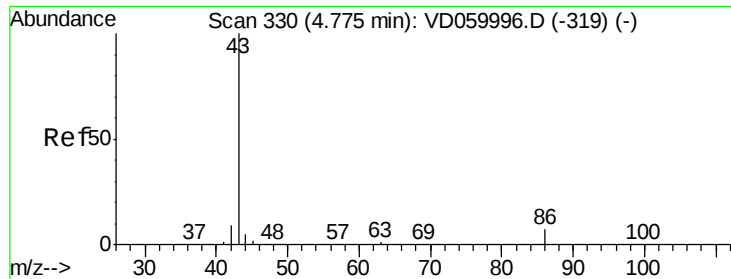
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





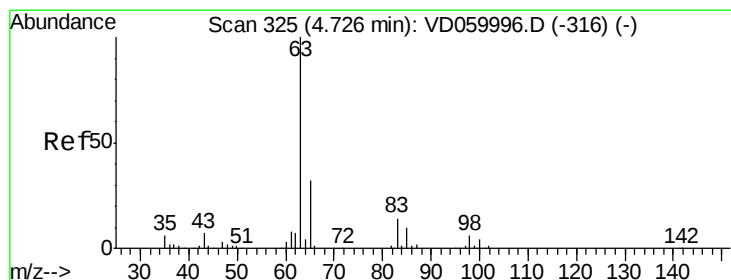
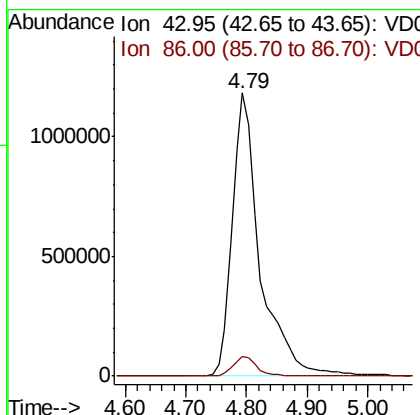
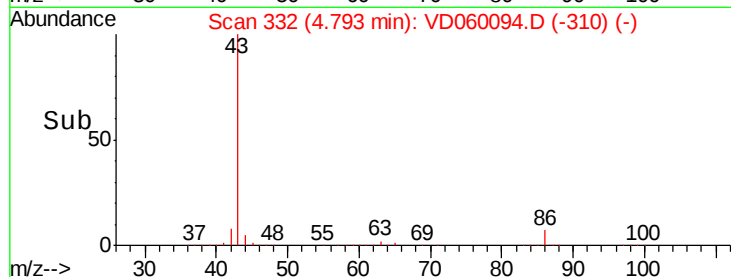
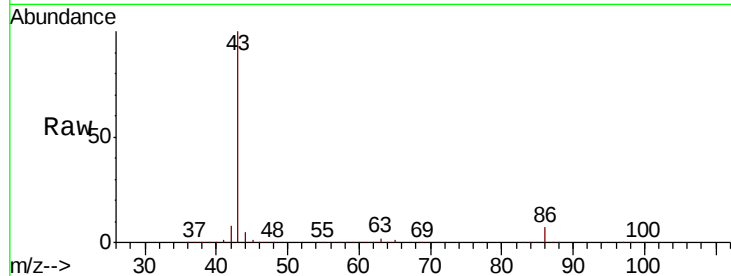
#23
 Vinyl Acetate
 Concen: 109.392 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0928SBS01

Tot Ion: 43 Resp: 3748235
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.5 8.3

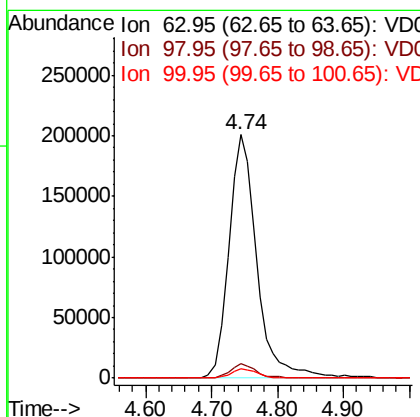
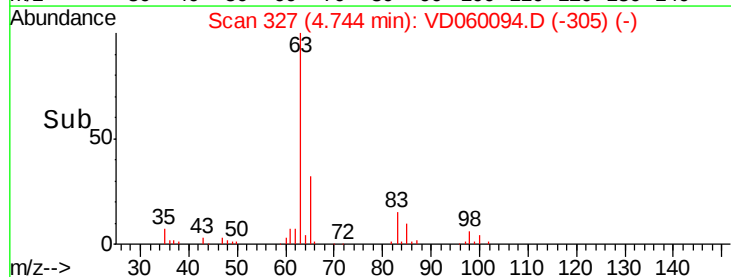
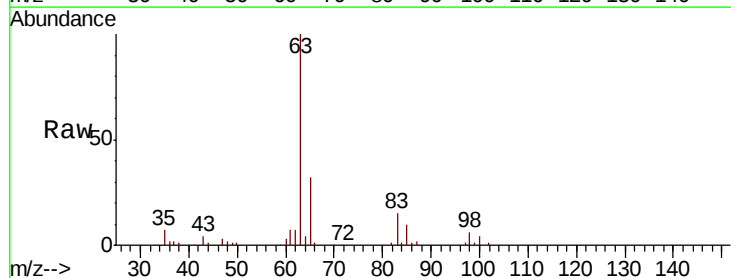
Manual Integrations
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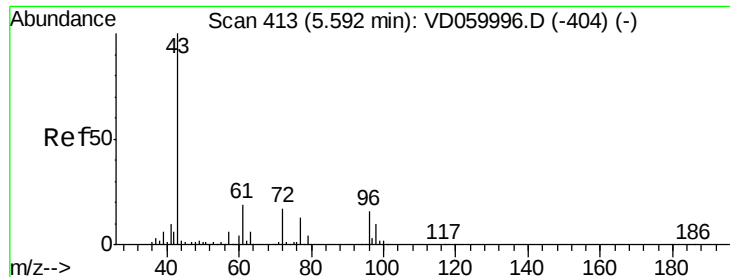
apatel
 10/1/2018 3:58:56 PM



#24
 1,1-Dichloroethane
 Concen: 21.898 ug/l
 RT: 4.74 min Scan# 327
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 63 Resp: 594351
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.7 1.8 5.4





#25

2-Butanone

Concen: 119.534 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 742095

Ion Ratio Lower Upper

43 100

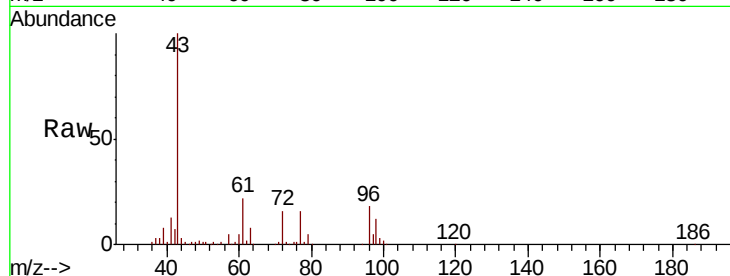
72 15.8 13.6 20.4

Manual Integrations

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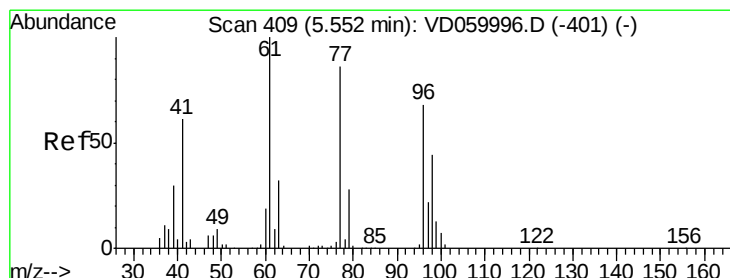
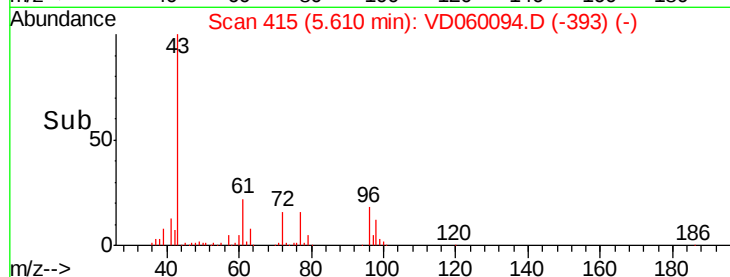
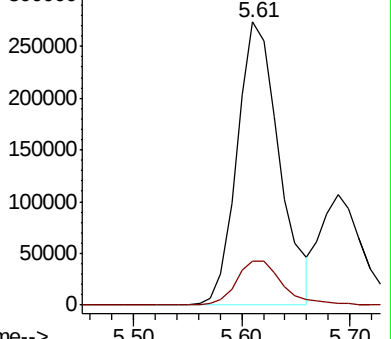
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.992 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060094.D

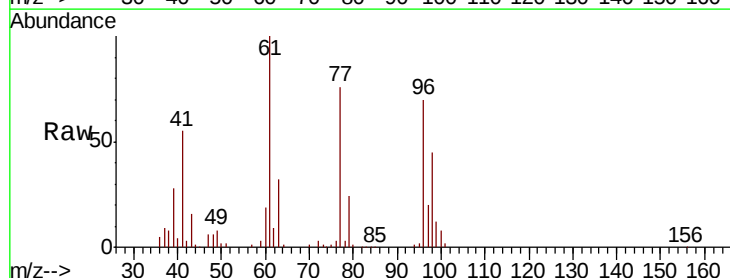
Acq: 28 Sep 2018 13:38

Tgt Ion: 77 Resp: 464056

Ion Ratio Lower Upper

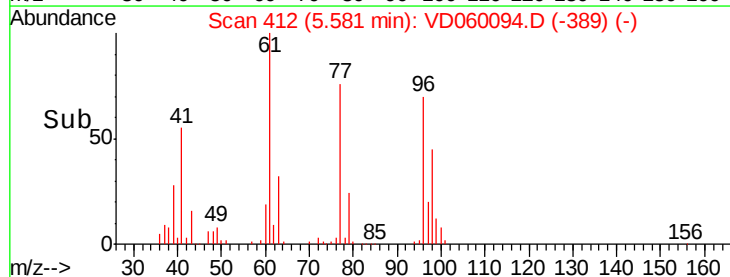
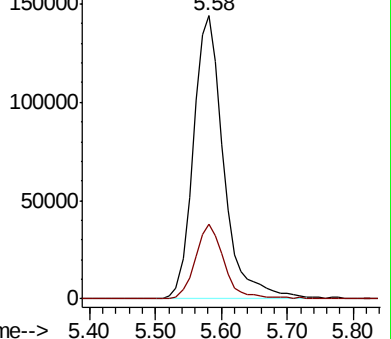
77 100

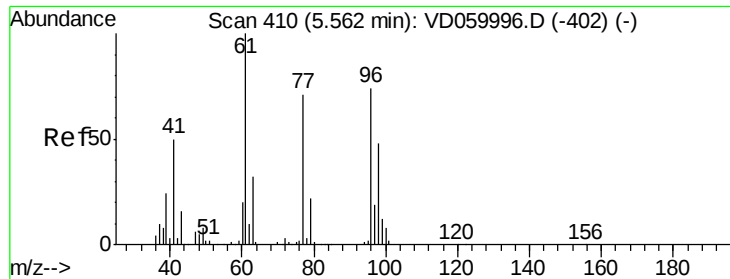
97 26.3 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

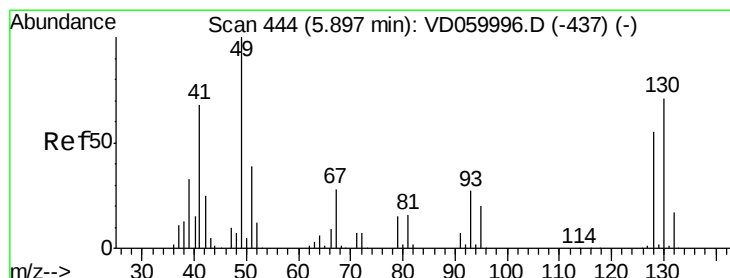
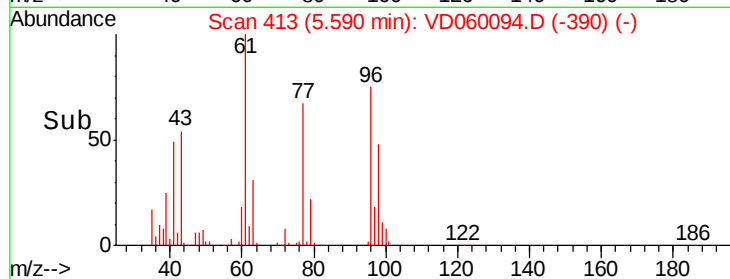
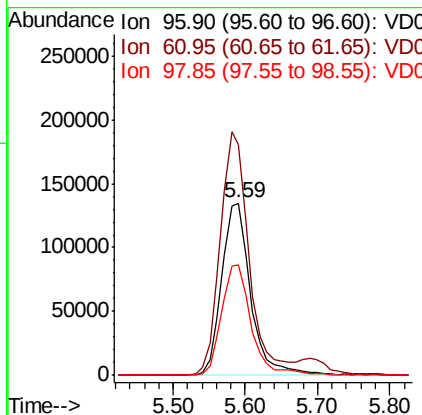
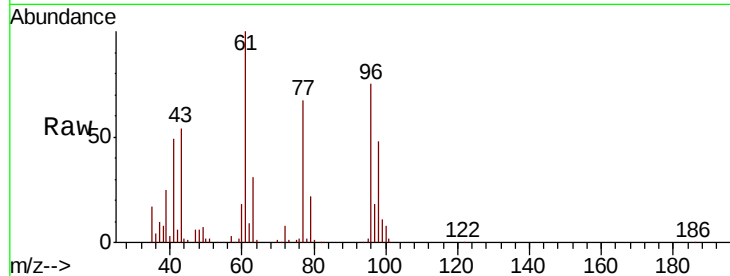
cis-1,2-Dichloroethene
Concen: 21.777 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.2	0.0	269.6	
98	64.4	0.0	128.4	

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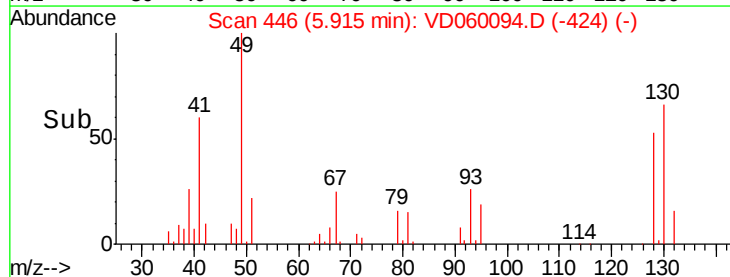
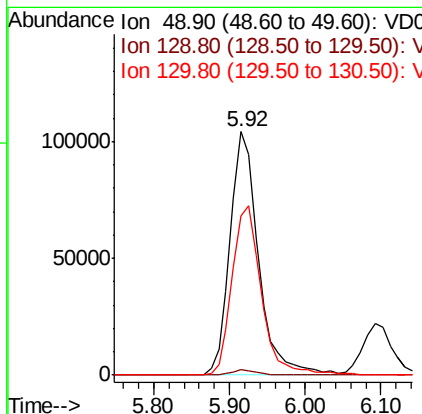
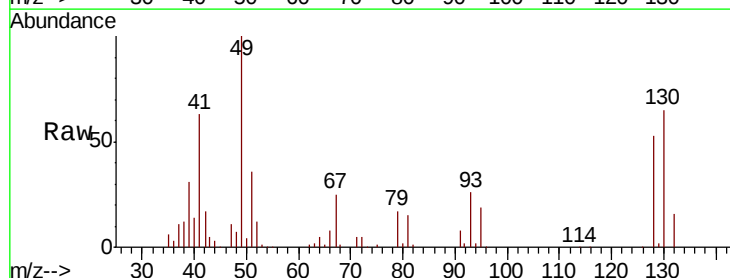
apatel
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#28

Bromochloromethane
Concen: 20.794 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	65.4	57.1	85.7	





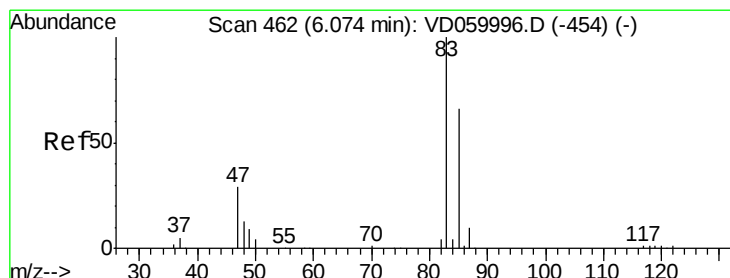
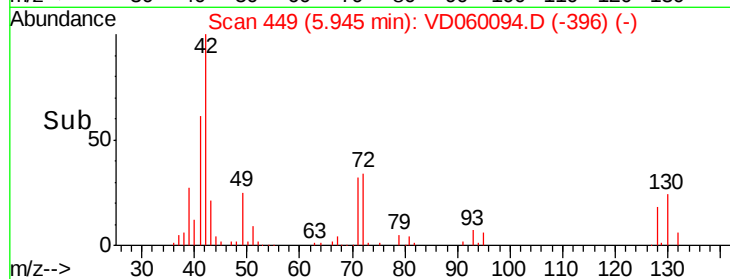
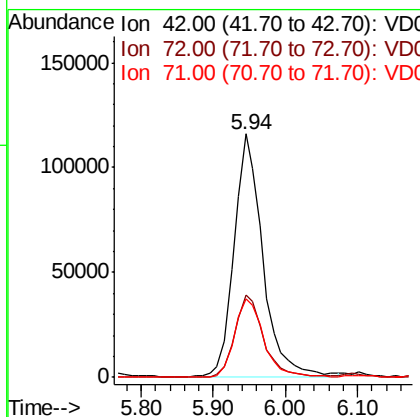
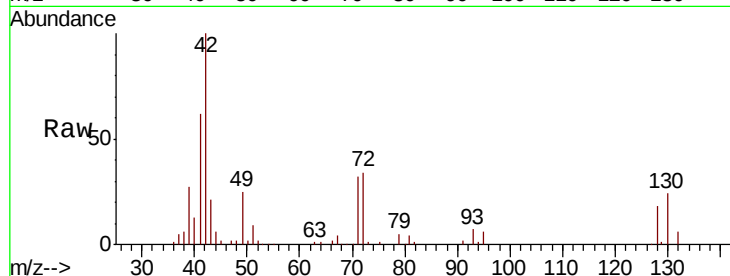
#29
Tetrahydrofuran
Concen: 97.664 ug/l
RT: 5.94 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.6	26.9	40.3
71	32.8	26.2	39.4

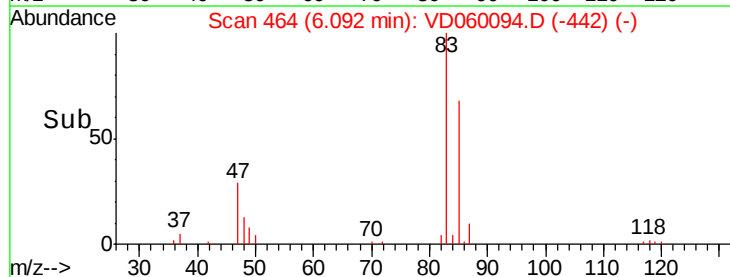
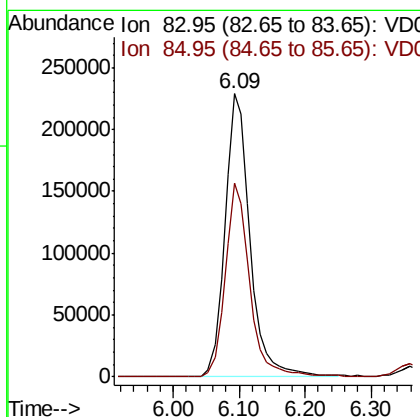
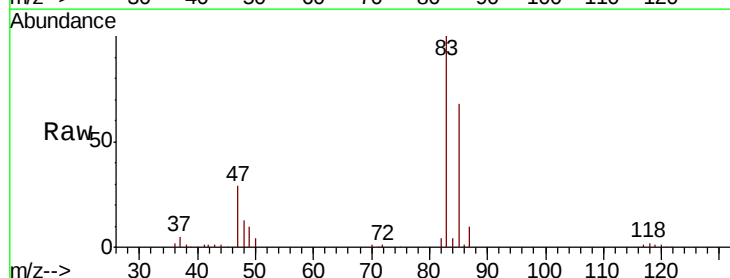
Manual Integrations
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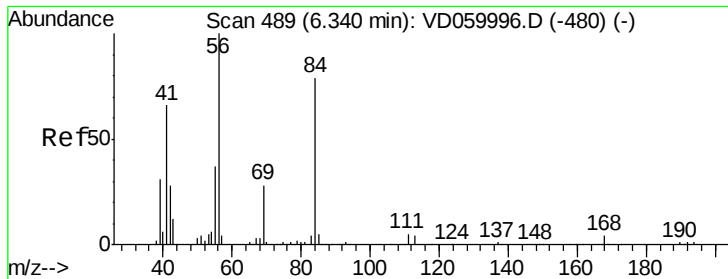
apatel
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#30
Chloroform
Concen: 22.102 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	52.6	78.8





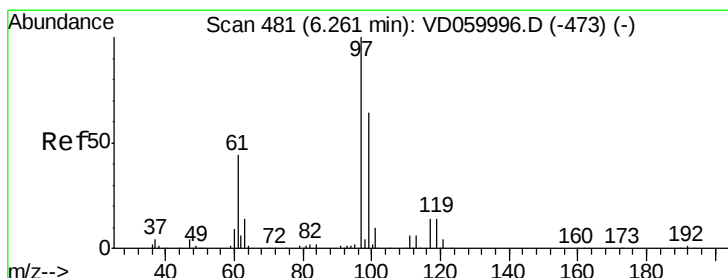
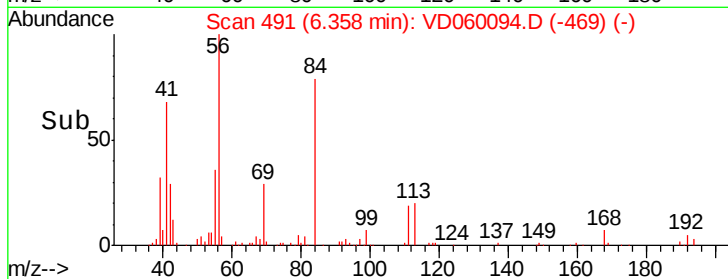
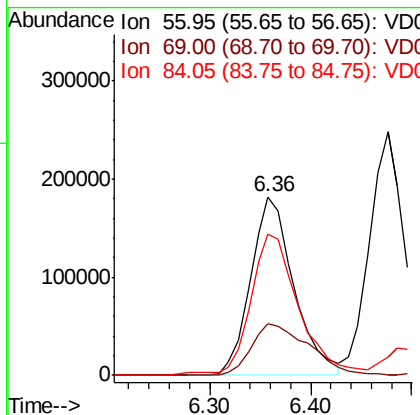
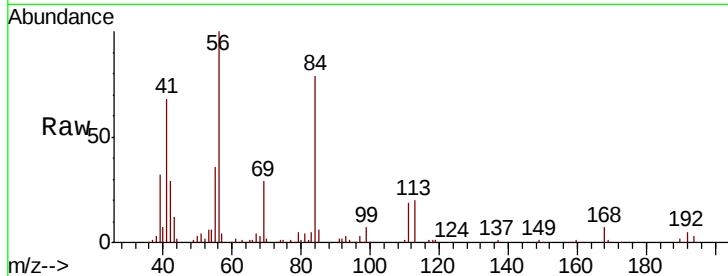
#31
Cvclohexane
Concen: 20.491 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.7	34.1
84	78.8	64.0	96.0

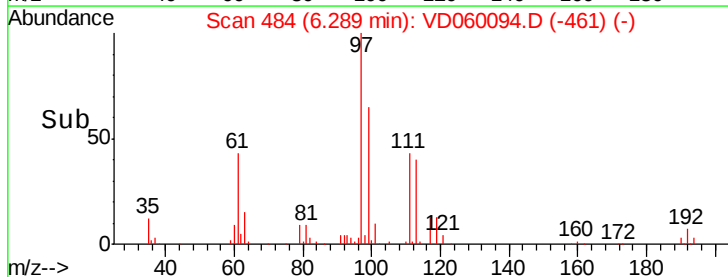
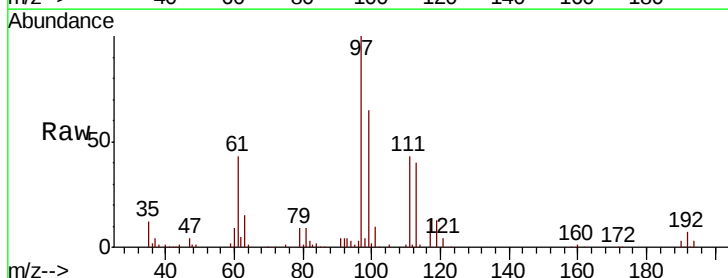
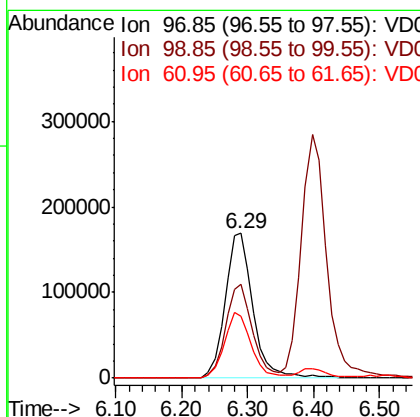
Manual Integrations
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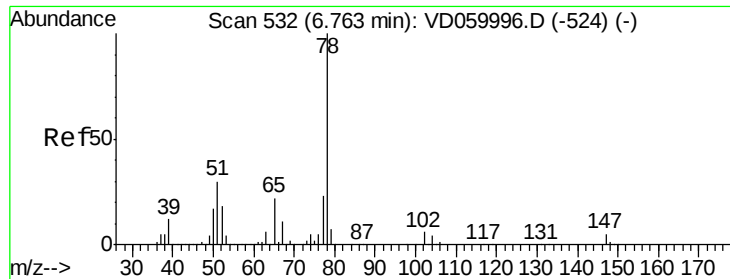
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#32
1,1,1-Trichloroethane
Concen: 21.839 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	42.6	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 21.839 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 65 Resp: 646334

Ion Ratio Lower Upper

65 100

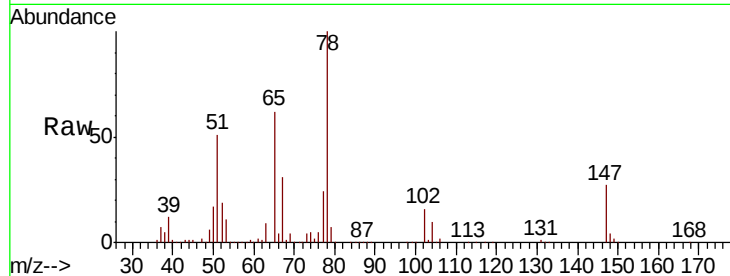
67 50.8 0.0 104.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

300000

250000

200000

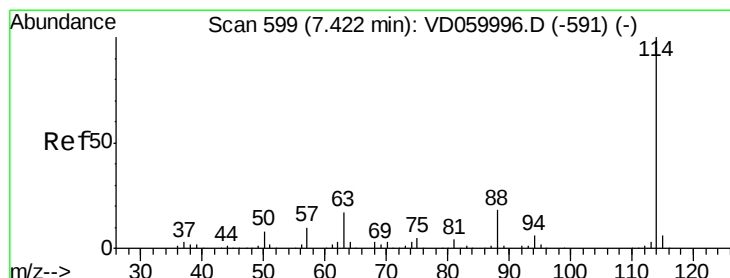
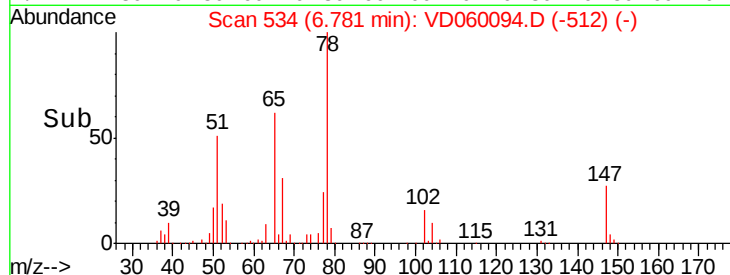
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

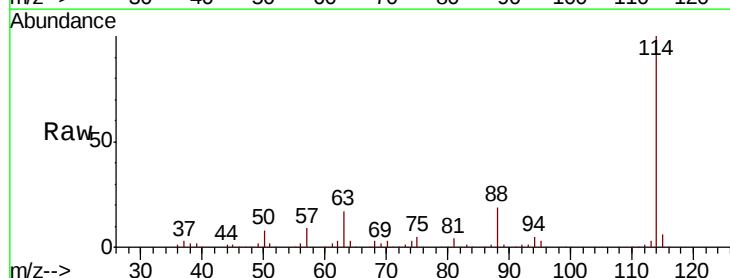
Tgt Ion: 114 Resp: 2089475

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 18.6 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

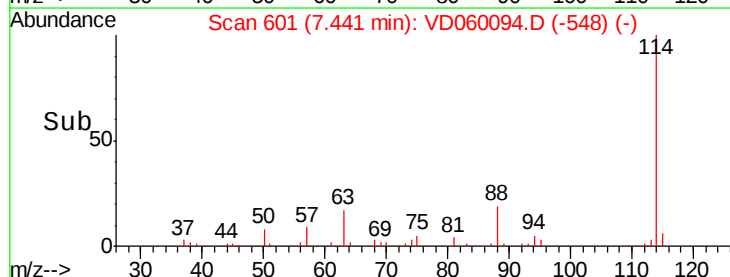
600000

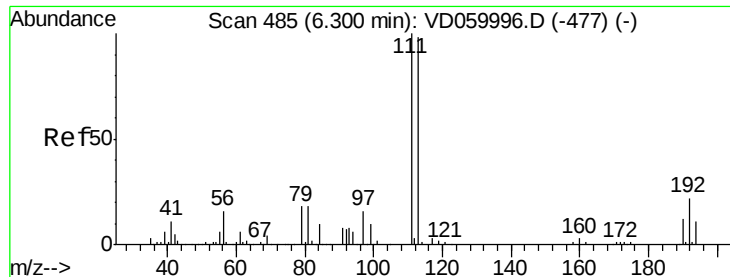
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

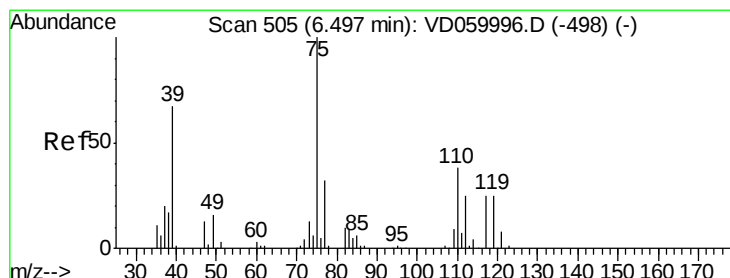
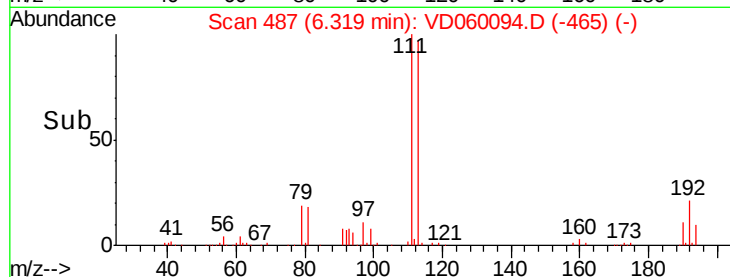
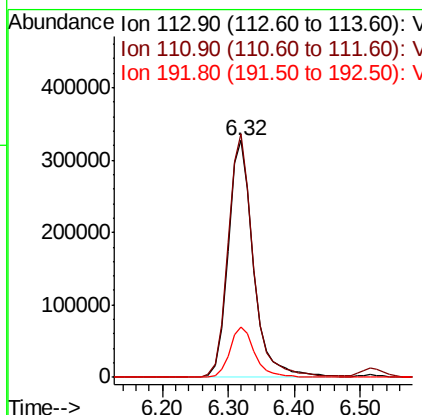
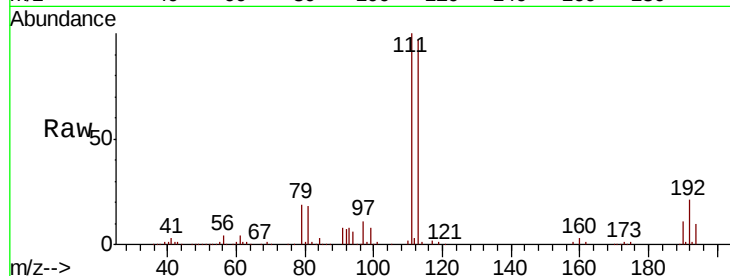
ClientSampleId :

VD0928SBS01

Tot Ion:	113	Resp:	877250
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.3	121.9
192	21.4	18.1	27.1

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#36

1,1-Dichloropropene

Concen: 21.890 ug/l

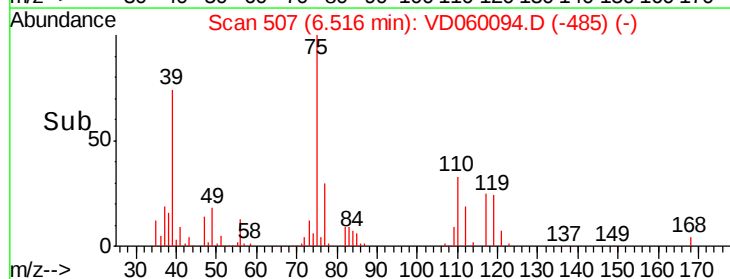
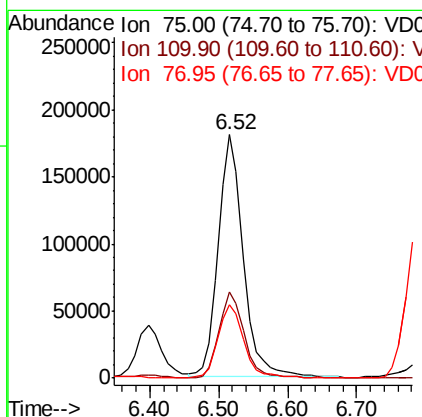
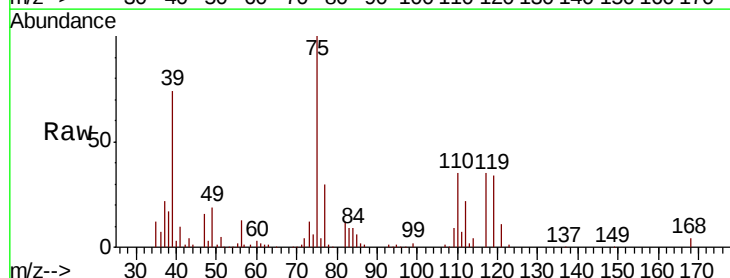
RT: 6.52 min Scan# 507

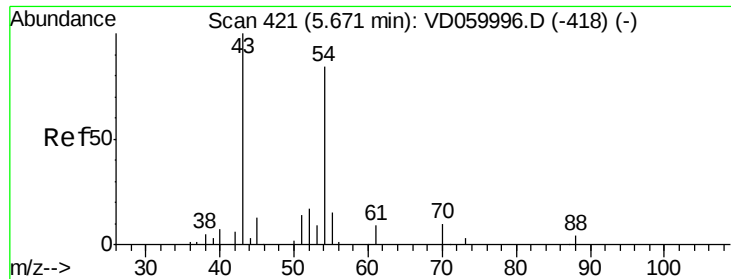
Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion:	75	Resp:	454332
Ion Ratio	Lower	Upper	
75	100		
110	35.2	18.9	56.9
77	30.1	25.3	37.9





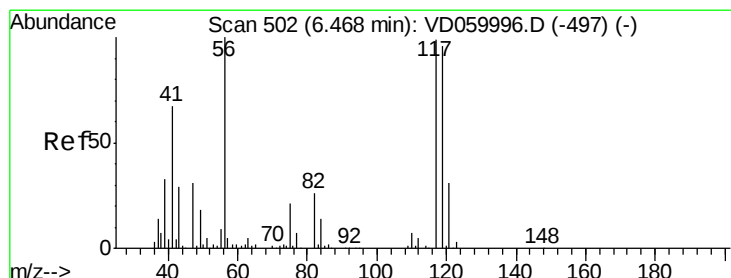
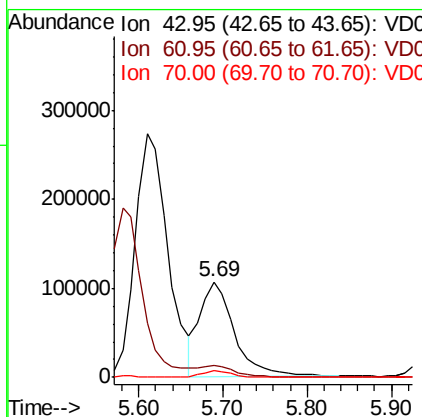
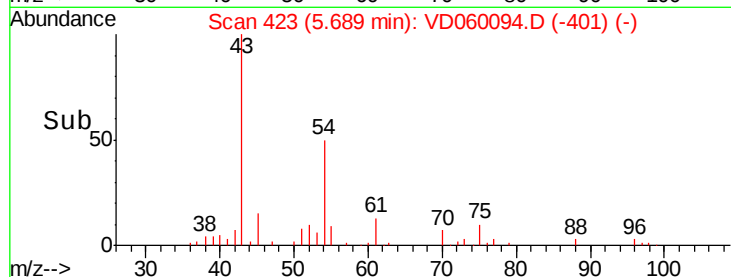
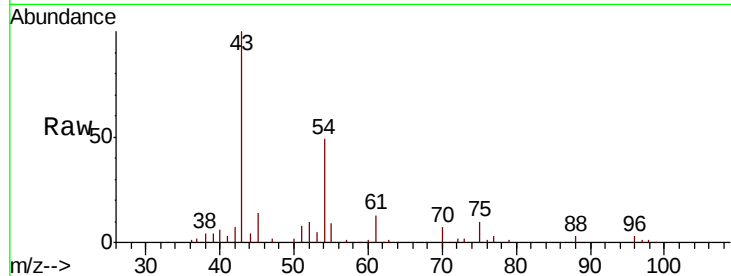
#37
Ethyl Acetate
Concen: 20.869 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	43	Resp	297867
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.2	15.2
70	7.3	6.1	9.1

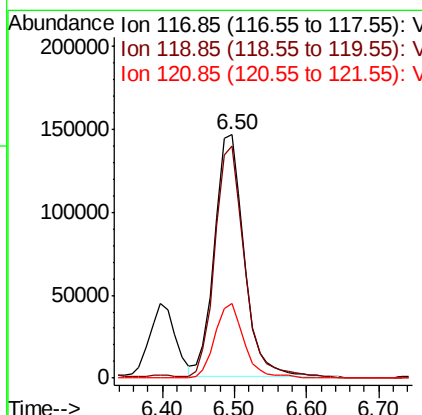
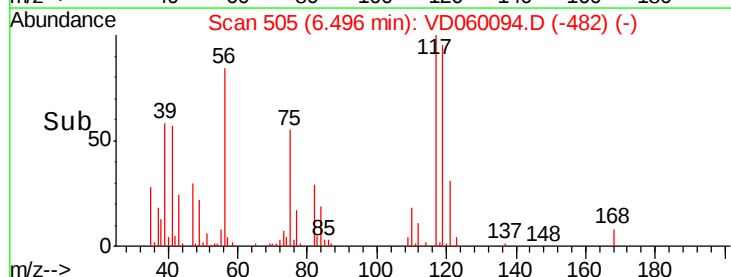
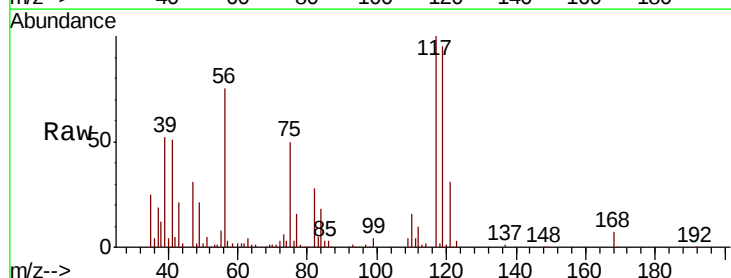
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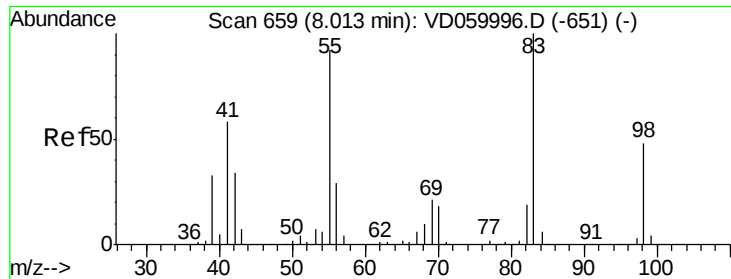
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#38
Carbon Tetrachloride
Concen: 21.451 ug/l
RT: 6.50 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	117	Resp	415624
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.7	115.1
121	30.8	24.9	37.3





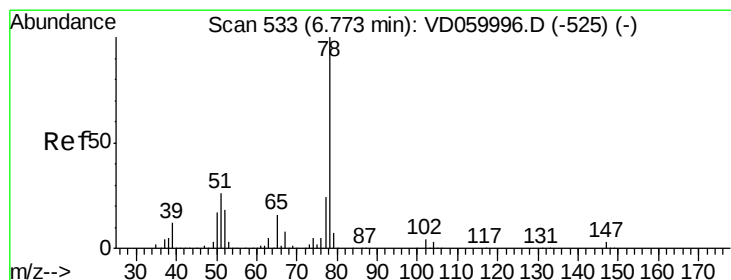
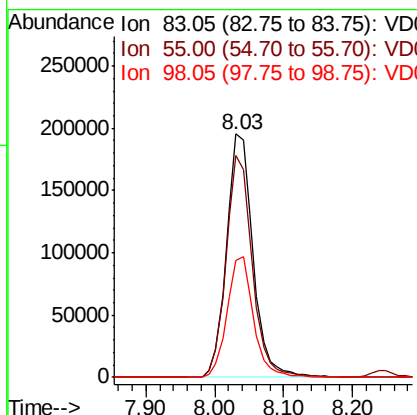
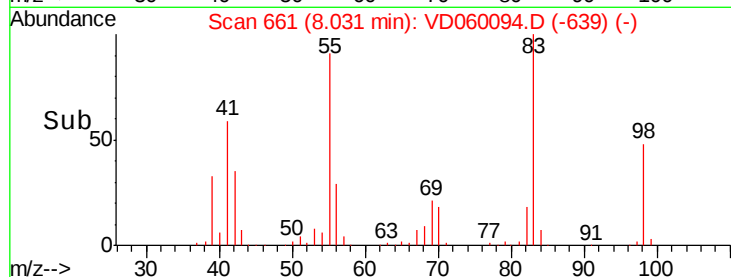
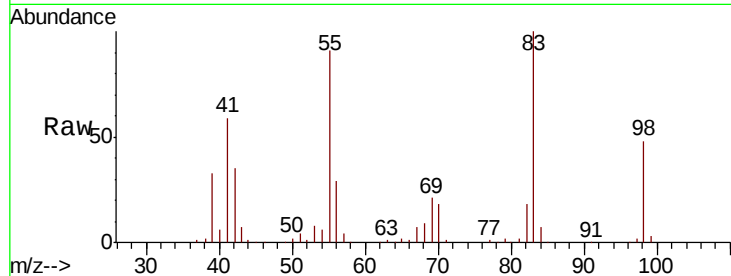
#39
Methvlcvclohexane
Concen: 22.145 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	83	Resp	519951
Ion Ratio	100	Lower	Upper
83	100		
55	91.2	73.8	110.6
98	47.8	38.1	57.1

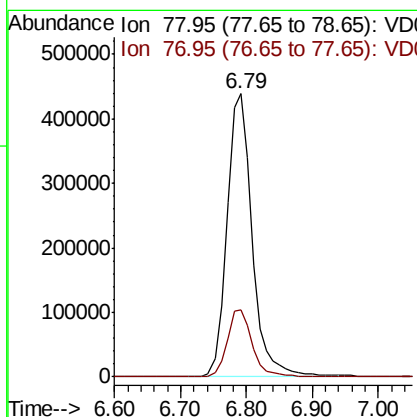
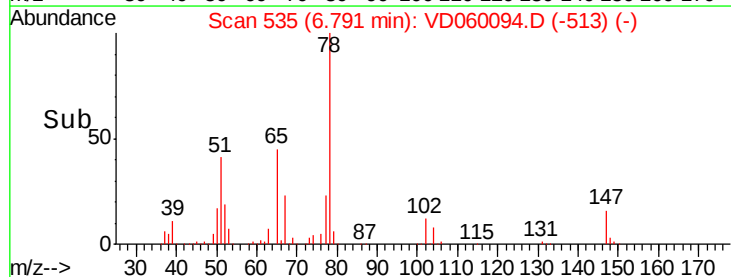
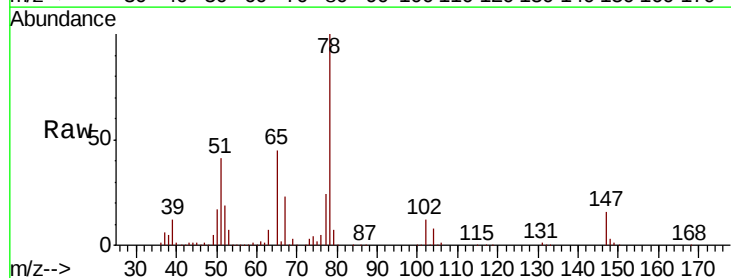
Manual Integrations
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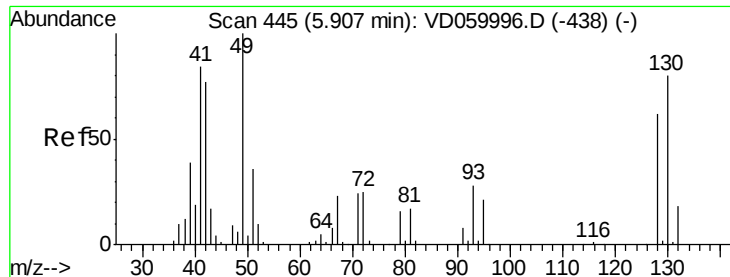
apatel
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#40
Benzene
Concen: 22.190 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	78	Resp	1173859
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 20.290 ug/l m

RT: 5.92 min Scan# 446

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 41 Resp: 151679

Ion Ratio Lower Upper

41 100

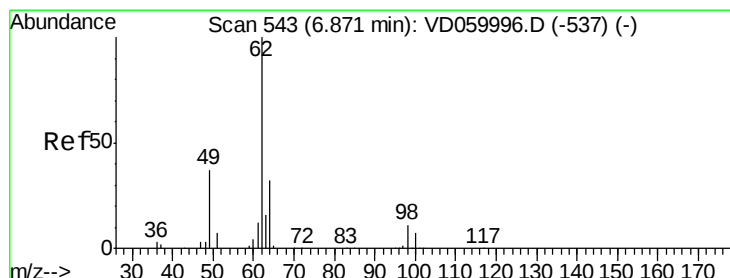
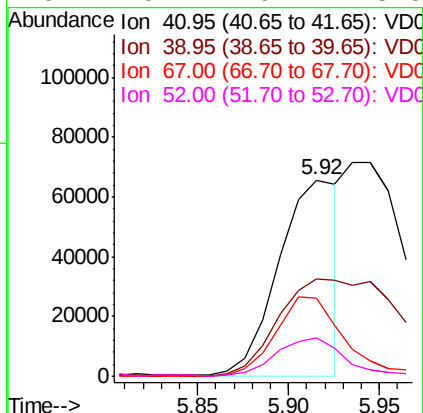
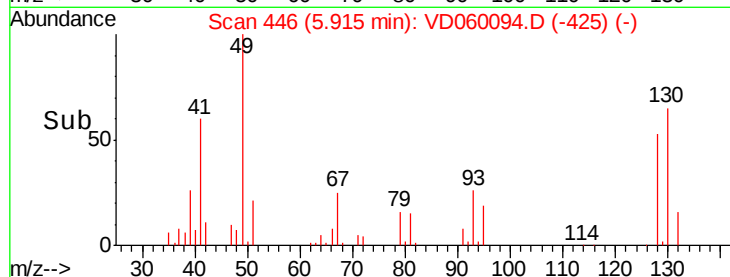
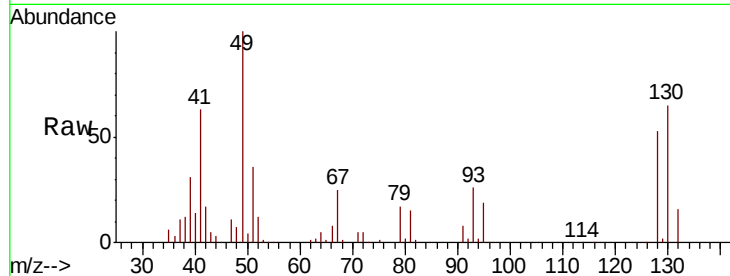
39 49.8 37.5 56.3

67 39.8 21.5 32.3#

52 19.4 9.2 13.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.873 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060094.D

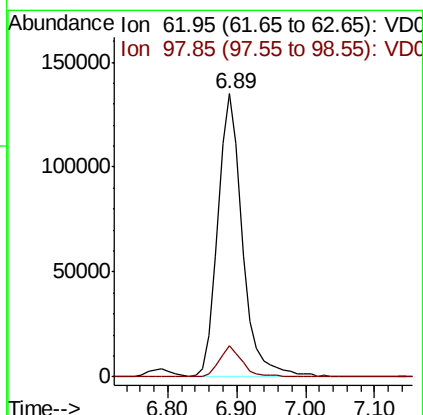
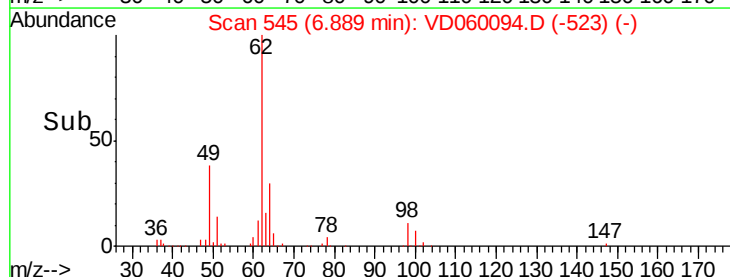
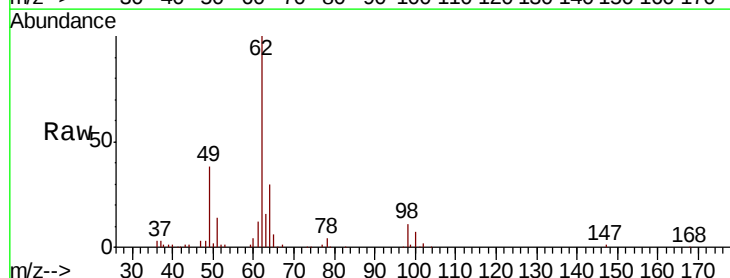
Acq: 28 Sep 2018 13:38

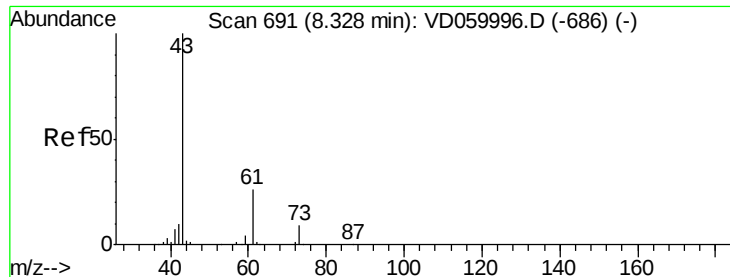
Tgt Ion: 62 Resp: 331552

Ion Ratio Lower Upper

62 100

98 10.9 0.0 21.4





#43

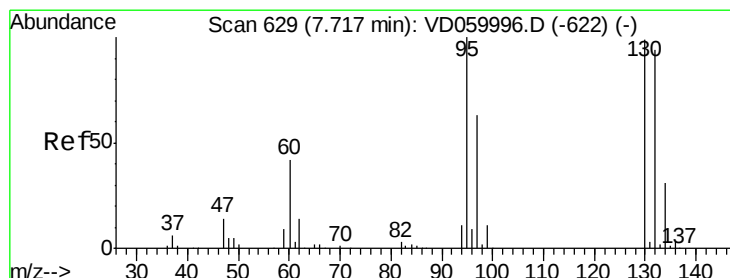
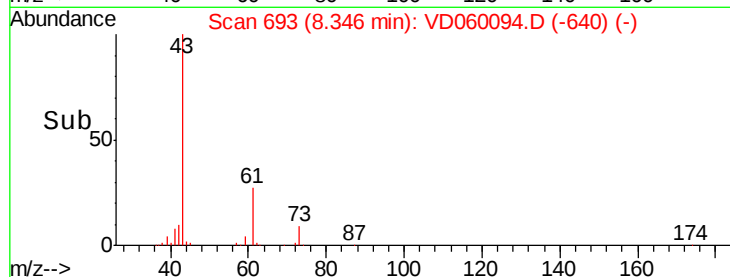
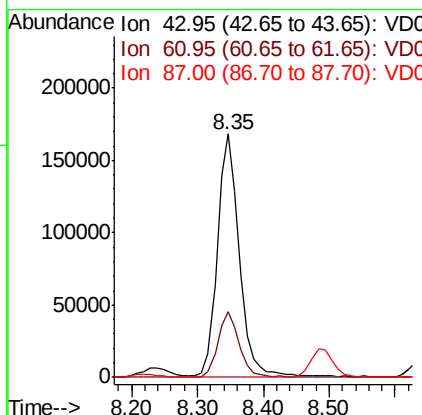
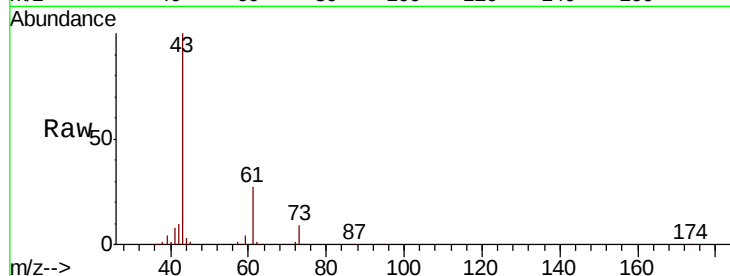
Isopropyl Acetate
 Concen: 20.013 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.0	31.6
87	0.2	0.2	0.2

Manual Integrations
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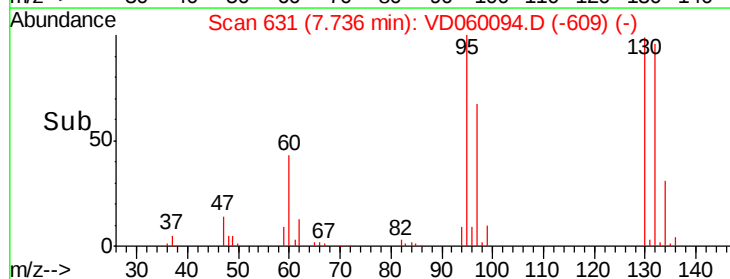
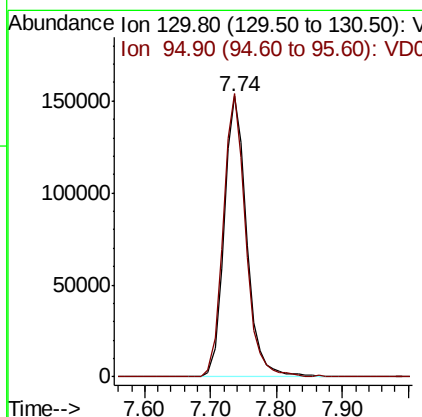
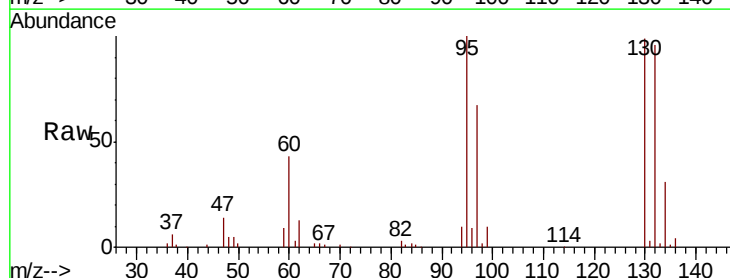
apatel
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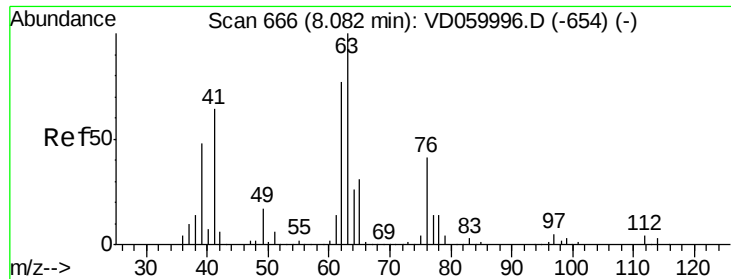


#44

Trichloroethene
 Concen: 22.379 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0





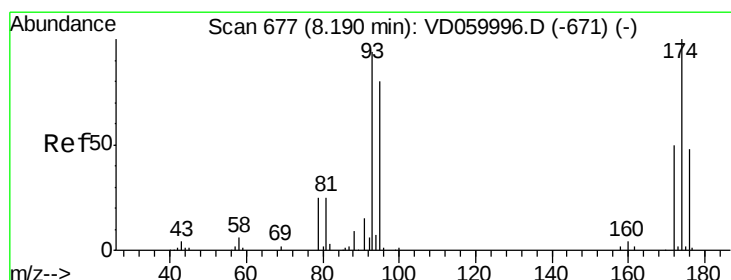
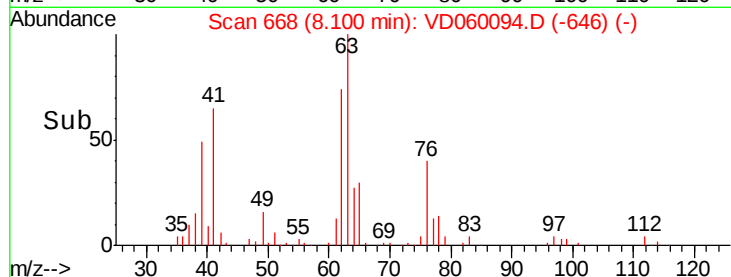
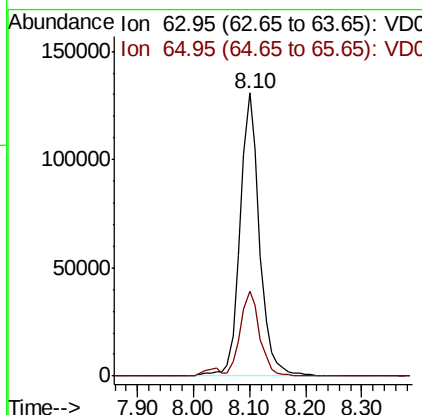
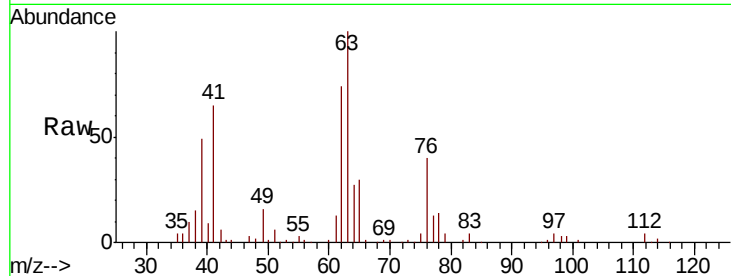
#45
 1,2-Dichloropropane
 Concen: 22.273 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.6	37.0

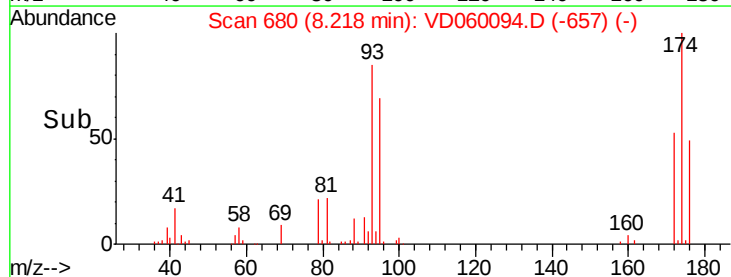
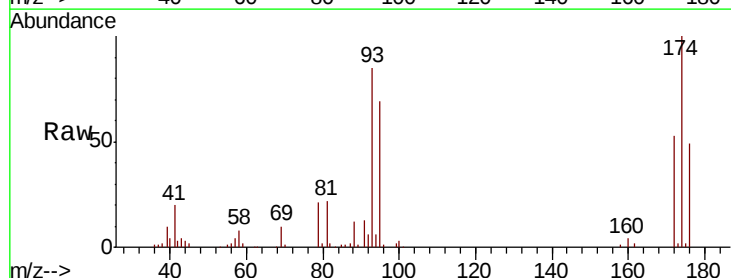
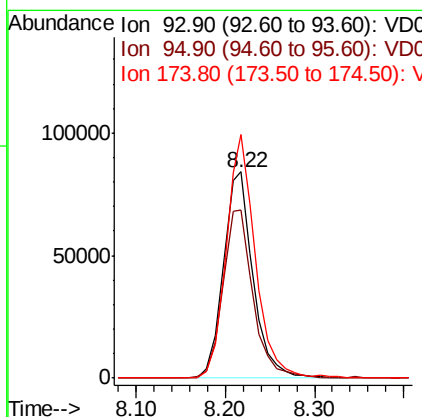
Manual Integrations
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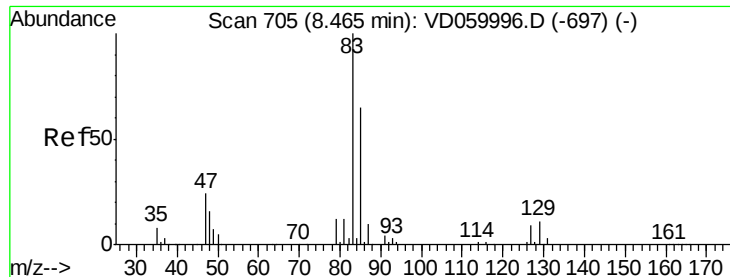
apatel
 10/1/2018 3:58:56 PM



#46
 Dibromomethane
 Concen: 21.203 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.03 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	68.0	102.0
174	118.2	85.4	128.2





#47

Bromodichloromethane

Concen: 21.819 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

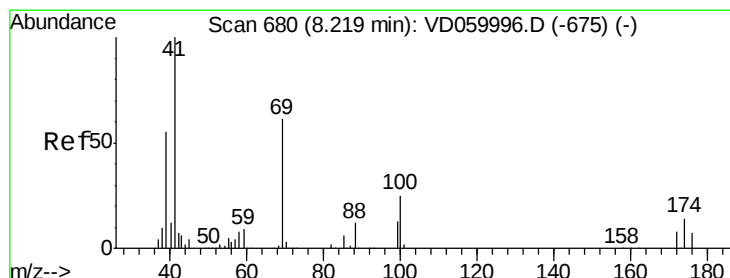
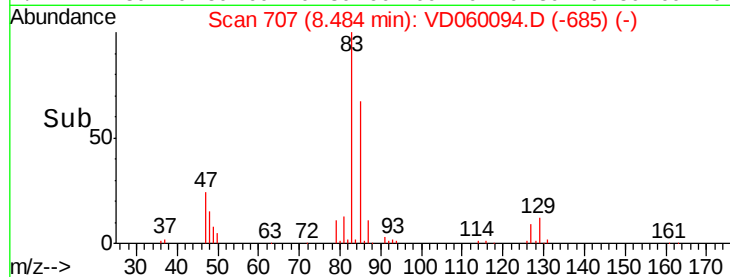
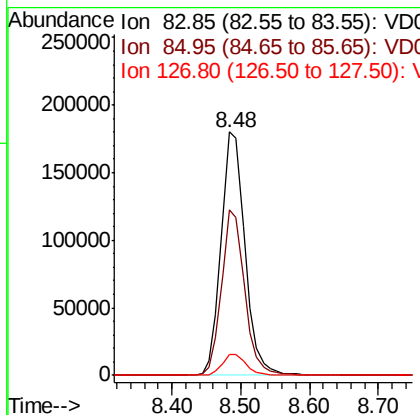
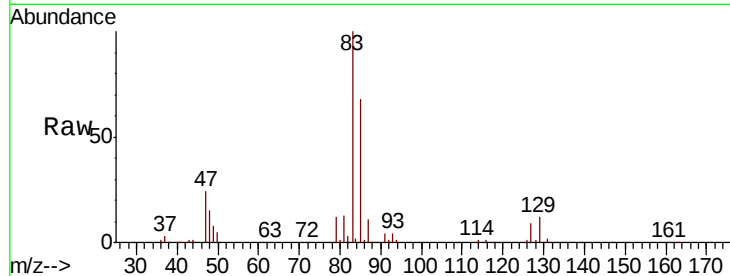
ClientSampleId :

VD0928SBS01

Tot Ion:	83	Resp:	434173
Ion Ratio	Lower	Upper	
83	100		
85	67.8	51.9	77.9
127	8.6	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.145 ug/l

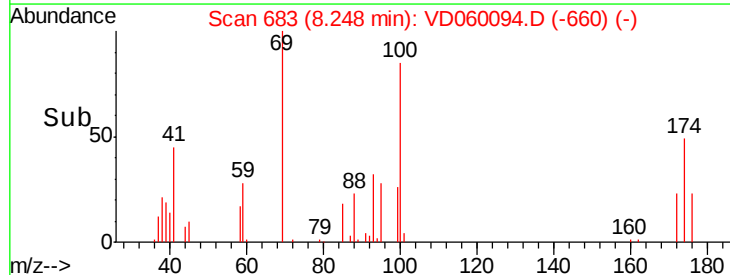
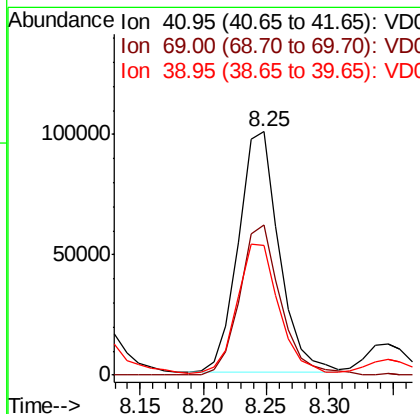
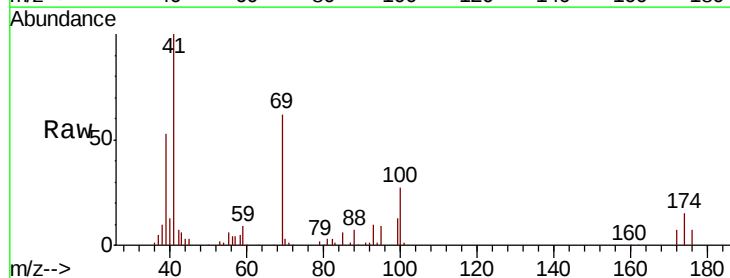
RT: 8.25 min Scan# 683

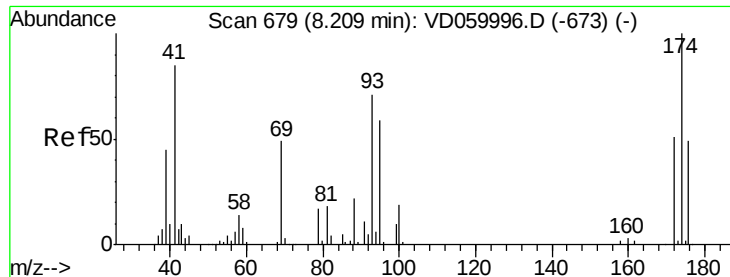
Delta R.T. 0.03 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion:	41	Resp:	225059
Ion Ratio	Lower	Upper	
41	100		
69	61.9	48.3	72.5
39	53.4	44.1	66.1





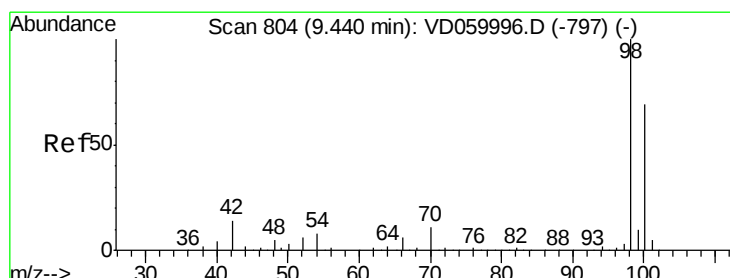
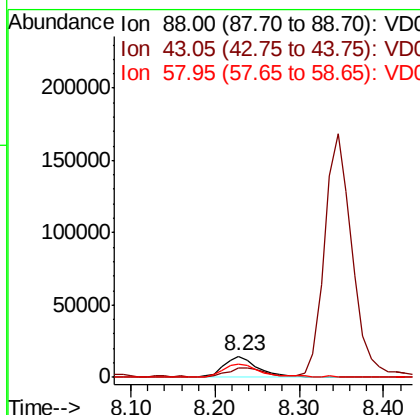
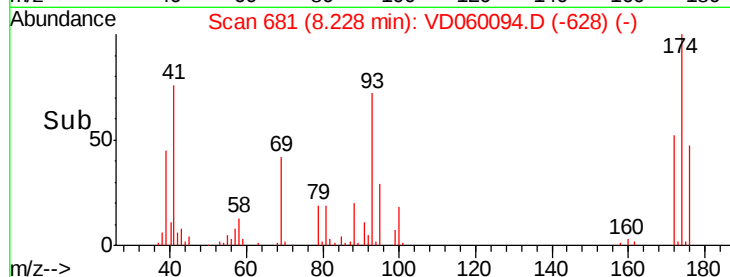
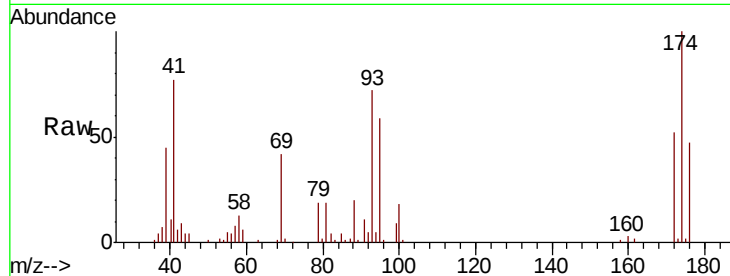
#49
1,4-Dioxane
Concen: 393.118 ug/l
RT: 8.23 min Scan# 681
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.7	36.2	54.2
58	62.5	51.0	76.6

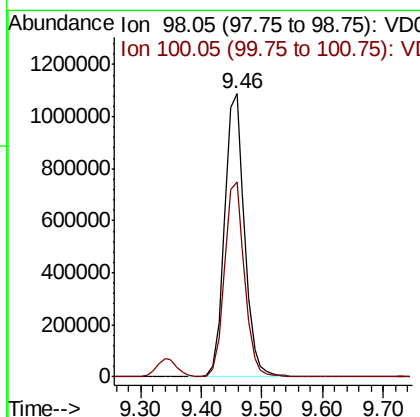
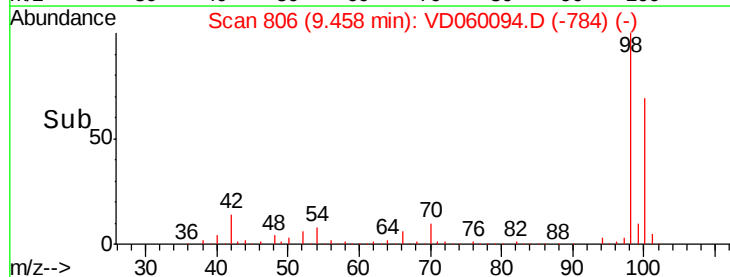
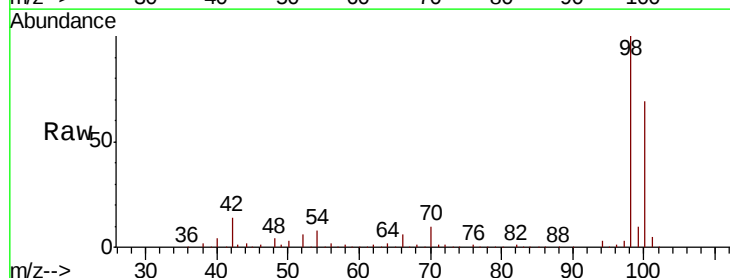
Manual Integrations
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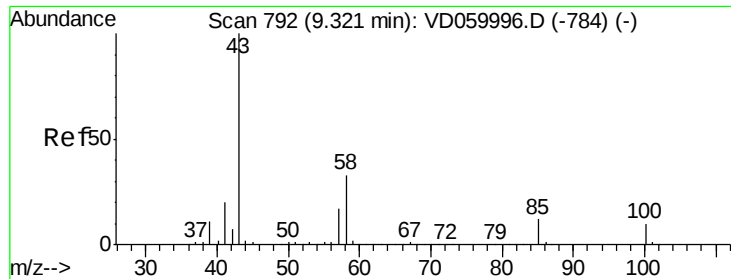
apatel
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#50
Toluene-d8
Concen: 393.118 ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 112.022 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 1558181

Ion Ratio Lower Upper

43 100

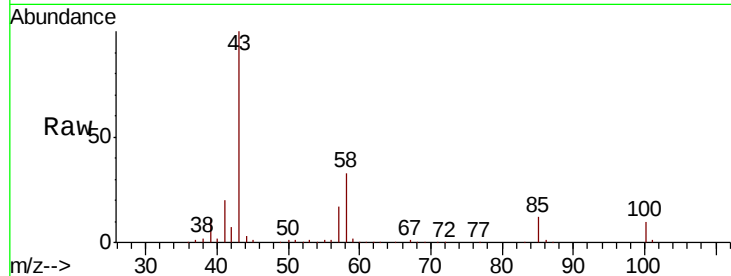
58 33.0 26.4 39.6

Manual Integrations

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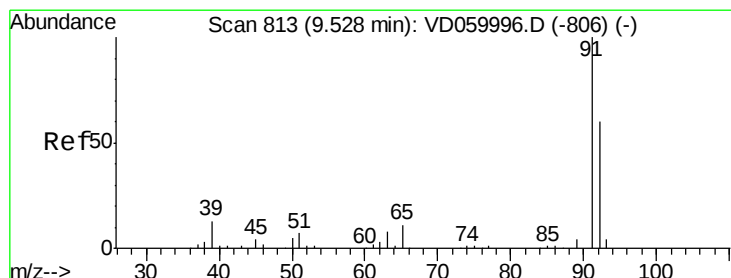
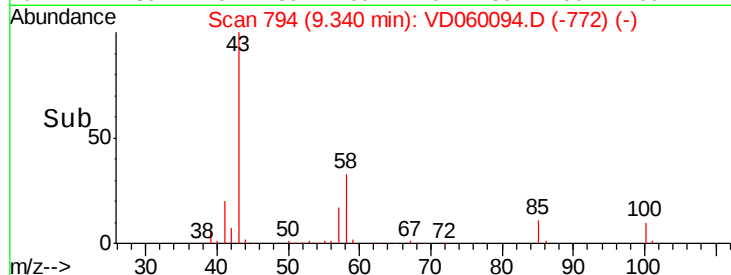
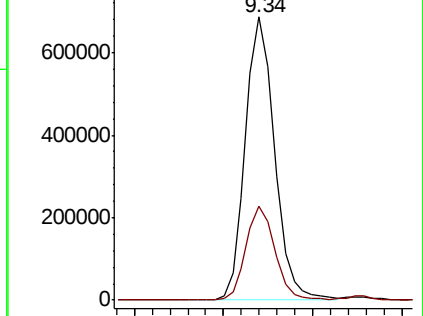
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.732 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060094.D

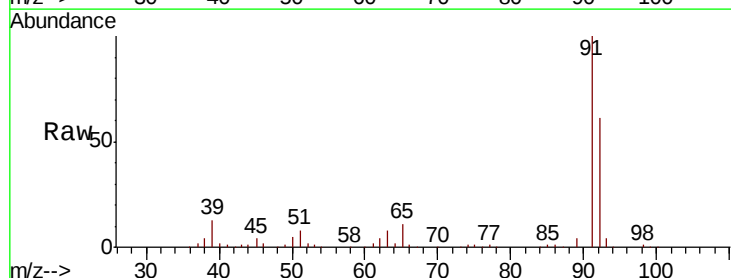
Acq: 28 Sep 2018 13:38

Tgt Ion: 92 Resp: 770831

Ion Ratio Lower Upper

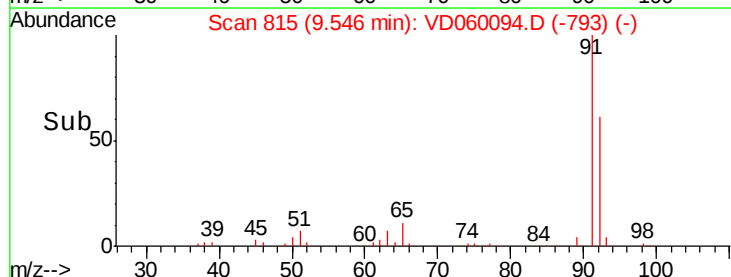
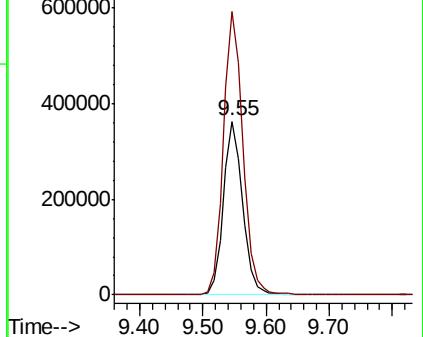
92 100

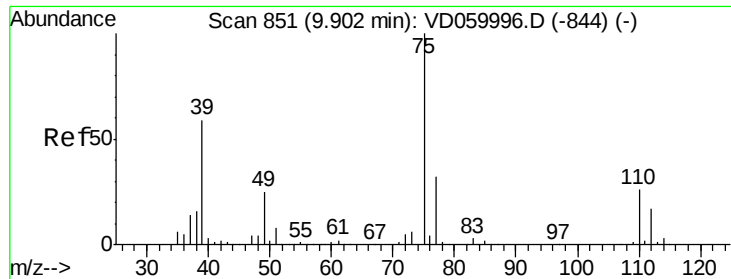
91 163.0 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.784 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 75 Resp: 385728

Ion Ratio Lower Upper

75 100

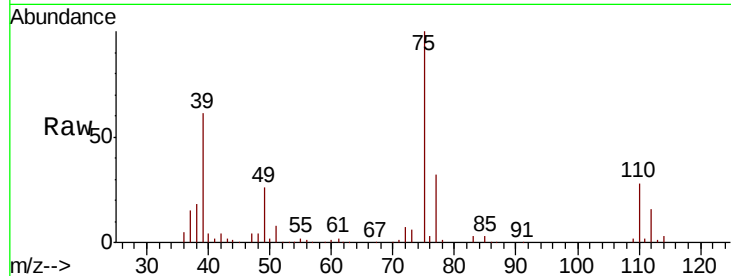
77 31.6 25.6 38.4

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

200000

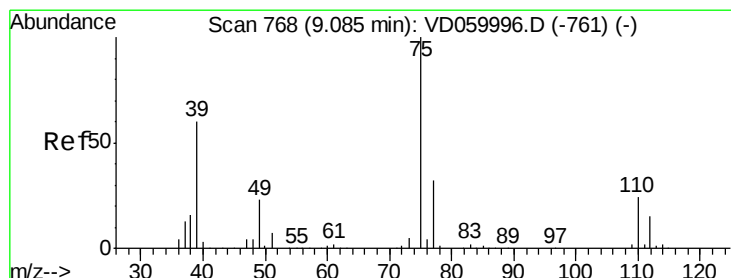
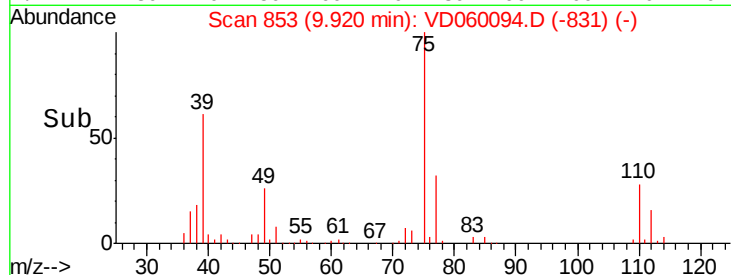
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.964 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

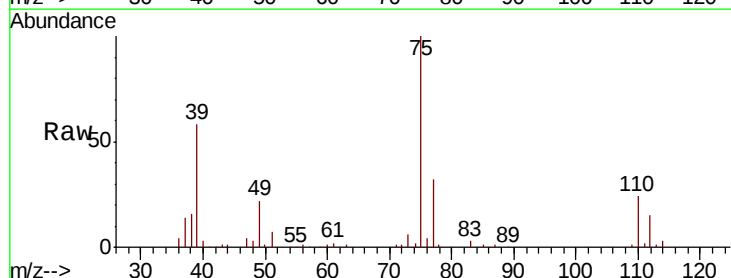
Tgt Ion: 75 Resp: 487050

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 58.2 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

300000

250000

200000

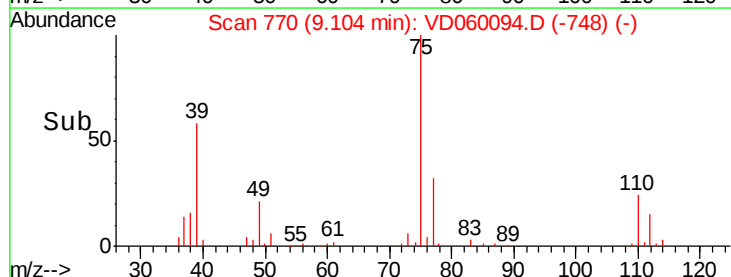
150000

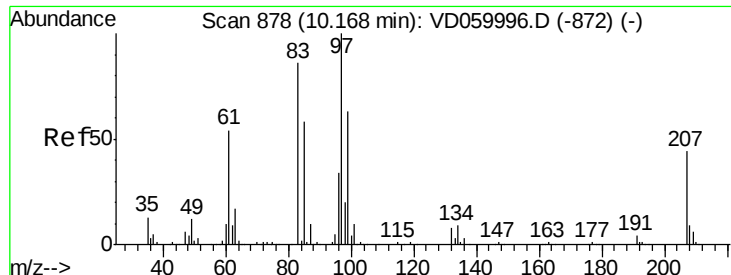
100000

50000

0

Time-->





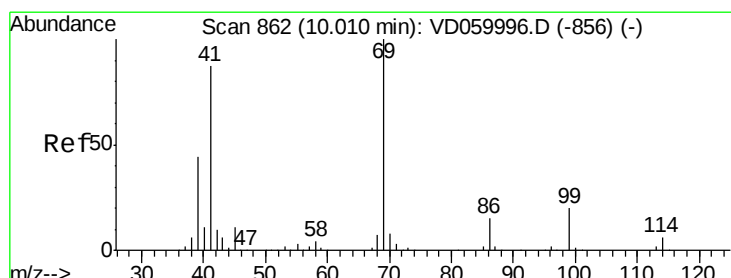
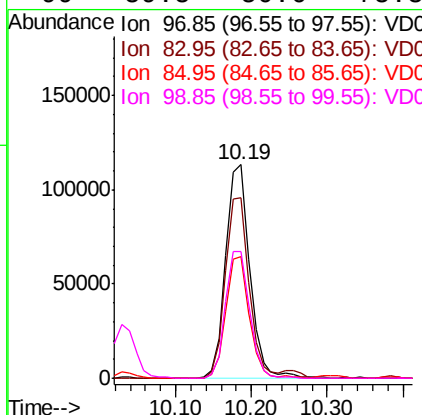
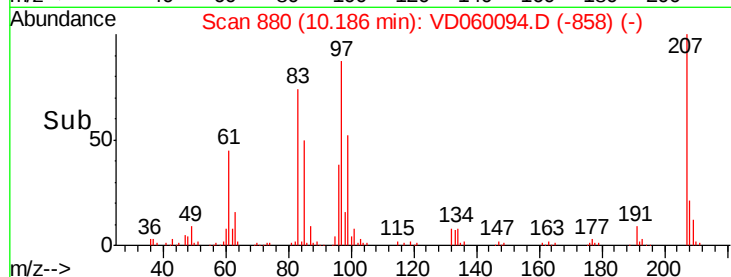
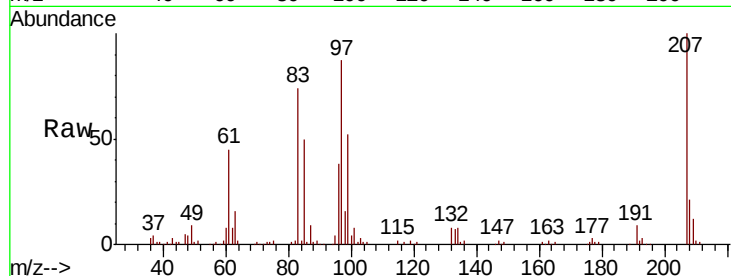
#55
 1,1,2-Trichloroethane
 Concen: 21.289 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	250640		
83	84.2	69.1	103.7	
85	57.0	46.2	69.4	
99	59.5	50.6	75.8	

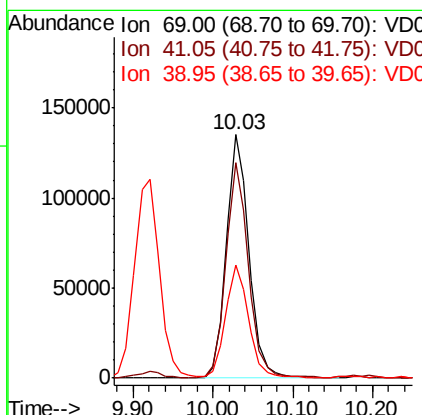
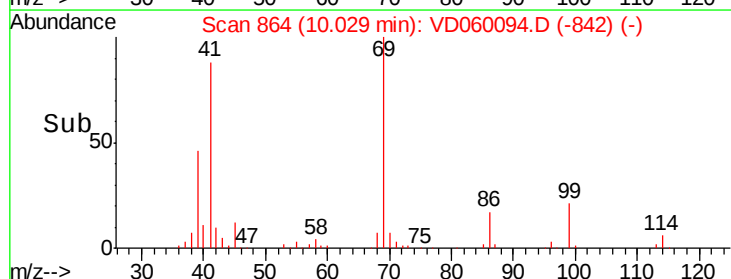
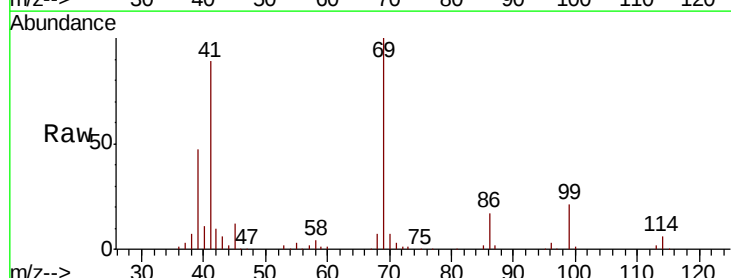
Manual Integrations
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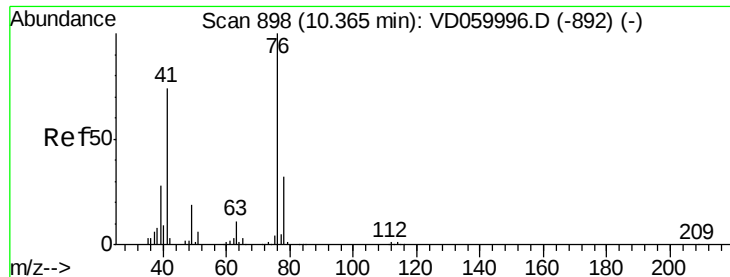
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#56
 Ethyl methacrylate
 Concen: 20.666 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	269872		
41	88.5	70.1	105.1	
39	46.5	36.5	54.7	





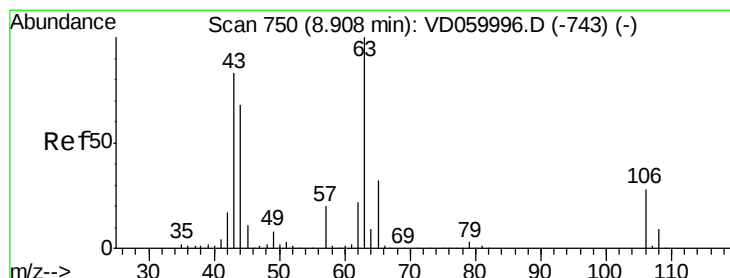
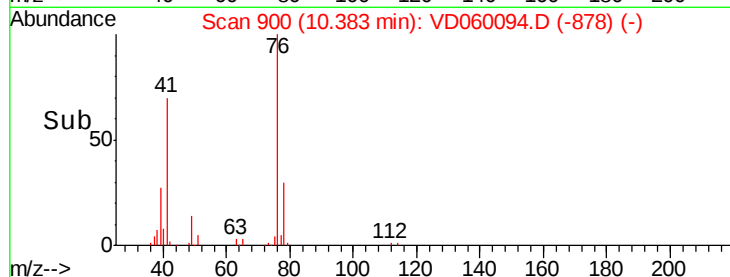
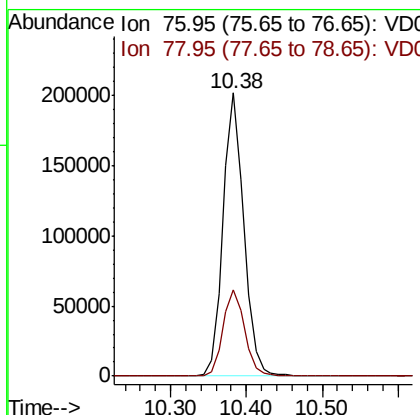
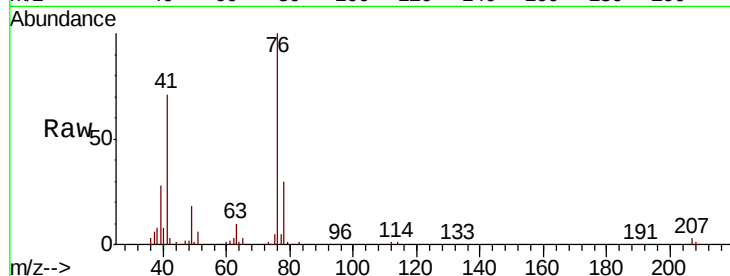
#57
 1,3-Dichloropropane
 Concen: 22.143 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion: 76 Resp: 384811
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.3 37.9

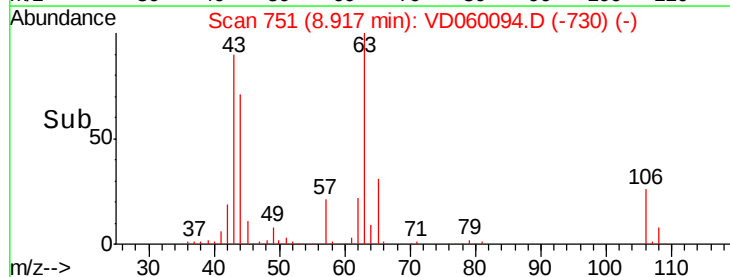
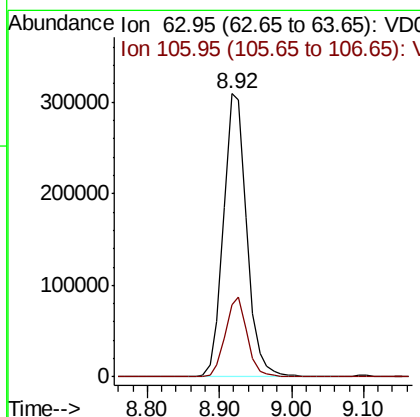
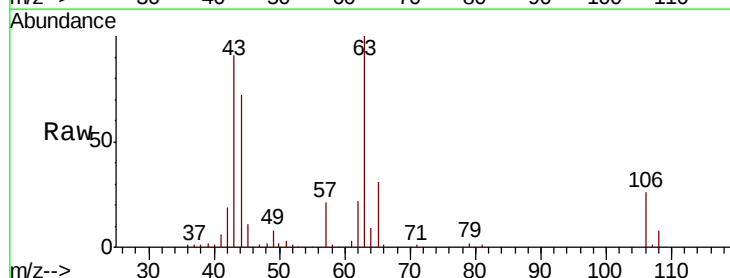
Manual Integrations
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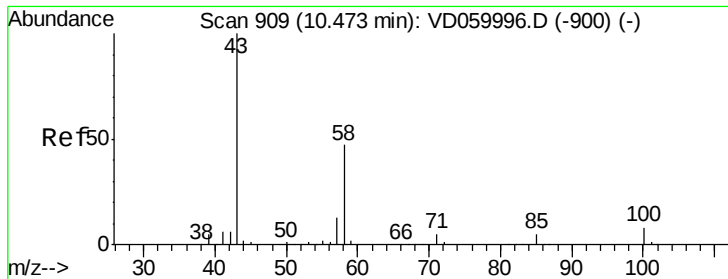
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.657 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion: 63 Resp: 691487
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.0 33.0





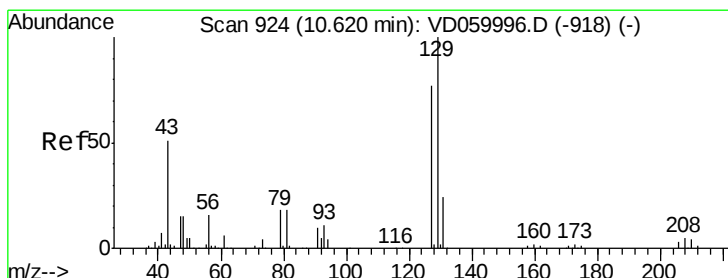
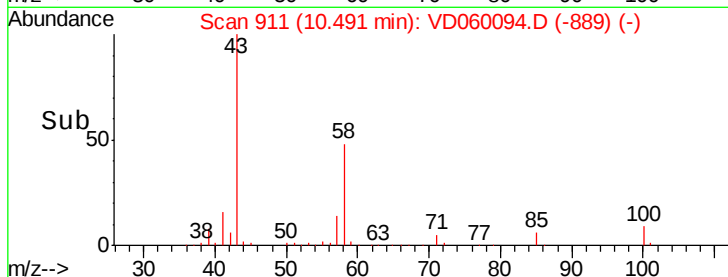
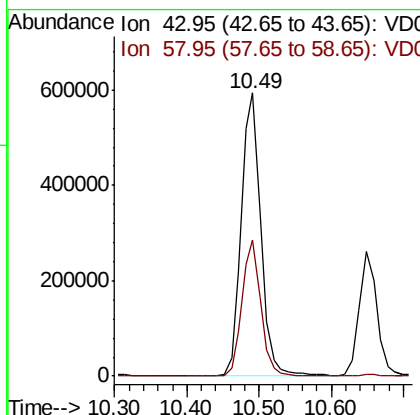
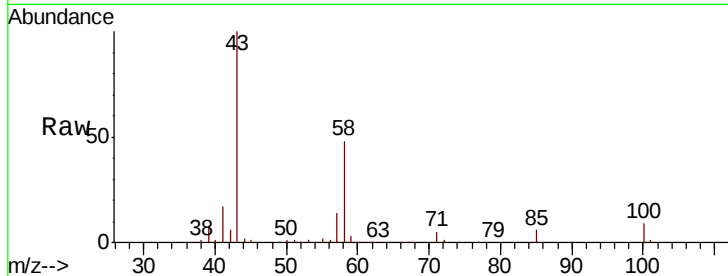
#59
2-Hexanone
Concen: 112.838 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 43 Resp: 1128853
Ion Ratio Lower Upper
43 100
58 48.3 23.4 70.0

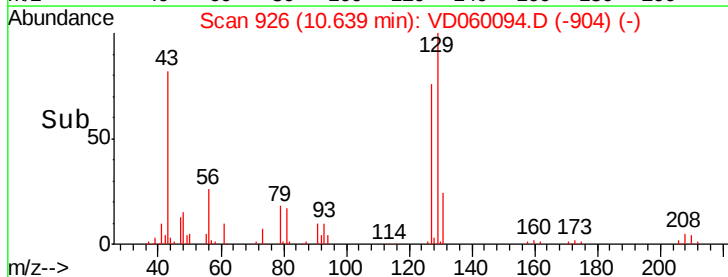
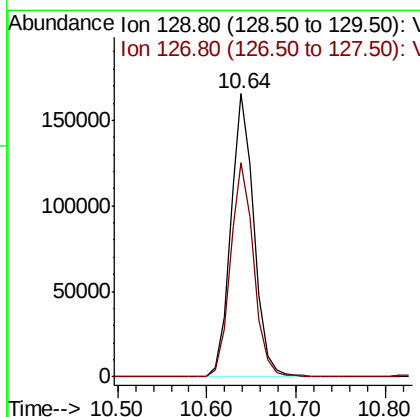
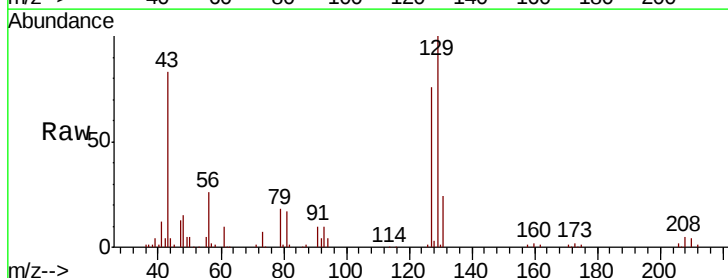
Manual Integrations
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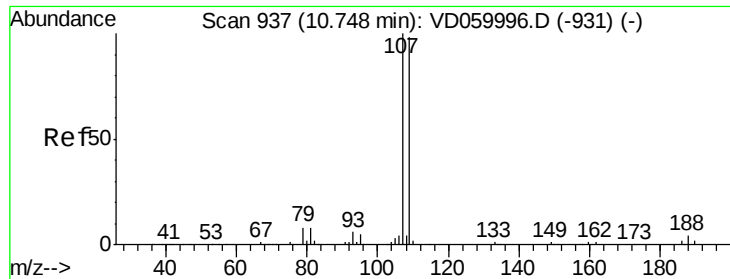
apatel
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#60
Dibromochloromethane
Concen: 21.004 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:129 Resp: 300976
Ion Ratio Lower Upper
129 100
127 75.8 38.6 116.0





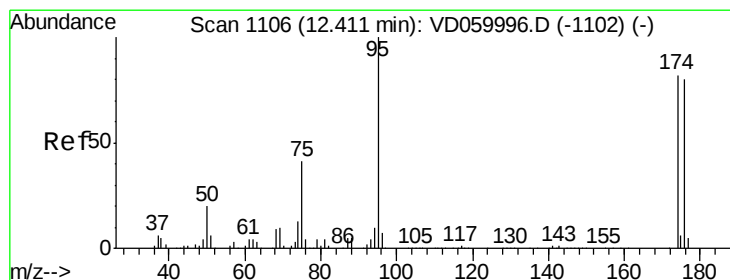
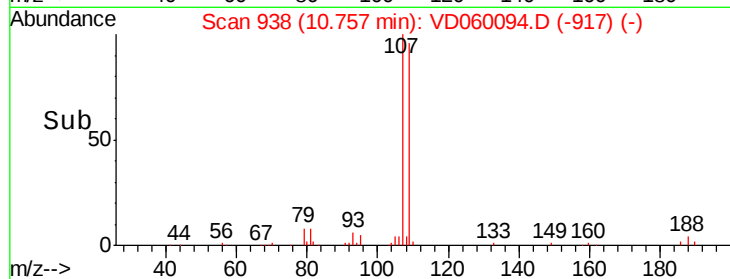
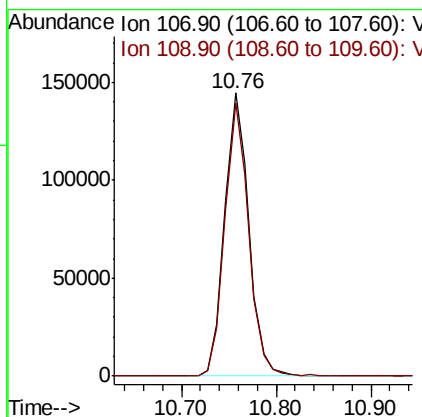
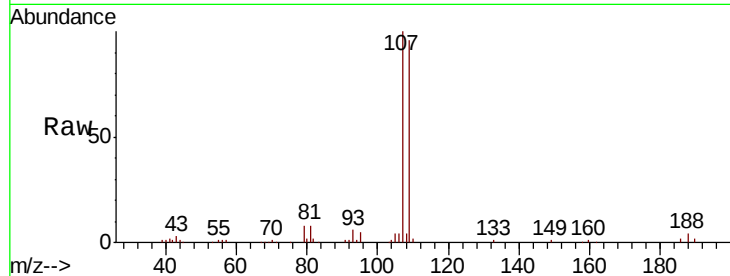
#61
 1,2-Dibromoethane
 Concen: 20.979 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	255015		
109	96.4	78.2	117.2	

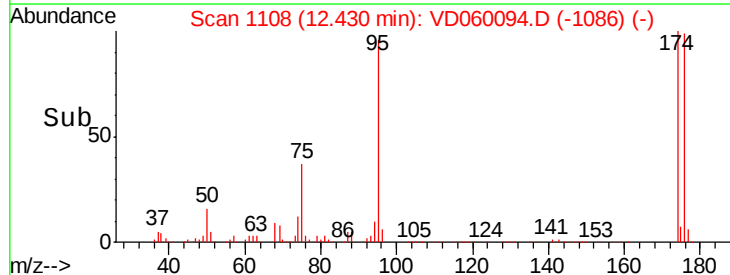
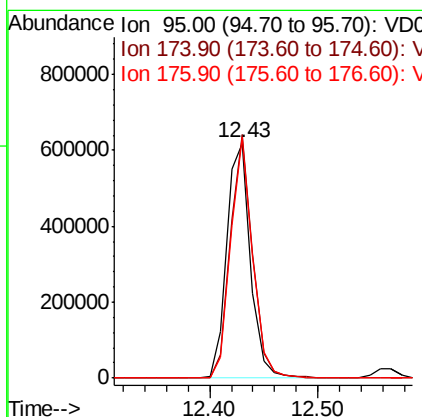
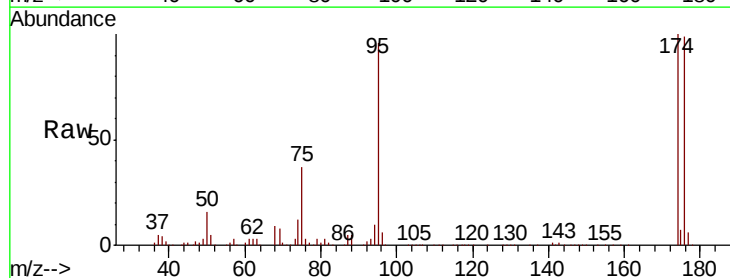
Manual Integrations
 APPROVED

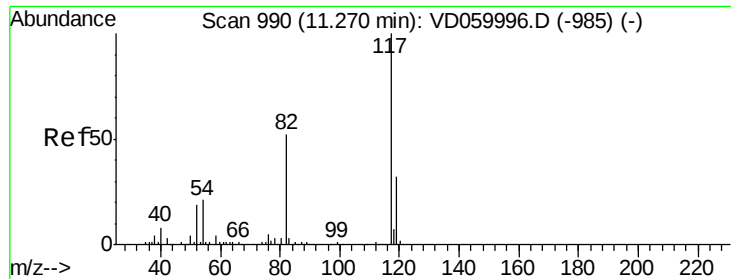
apatel
 10/1/2018 3:58:56 PM



#62
 4-Bromofluorobenzene
 Concen: 20.979 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	943455		
174	103.7	0.0	165.0	
176	102.7	0.0	160.2	





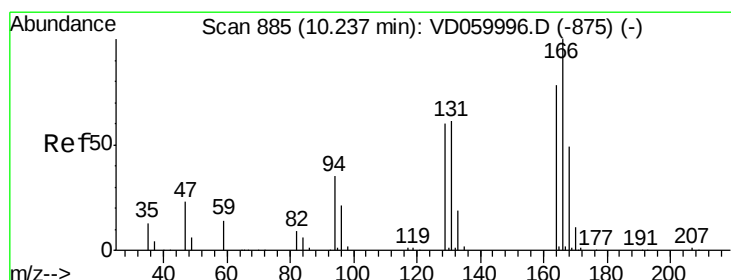
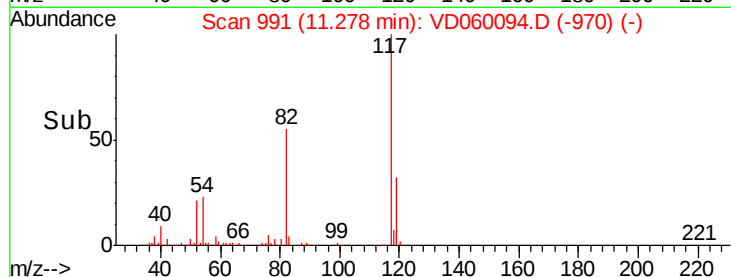
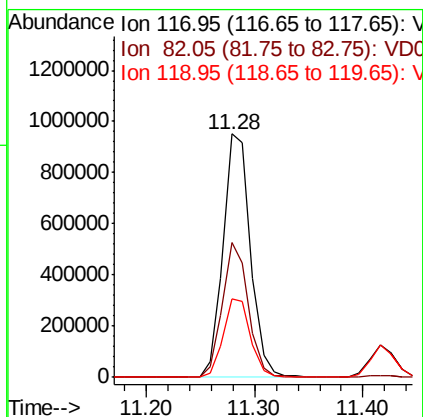
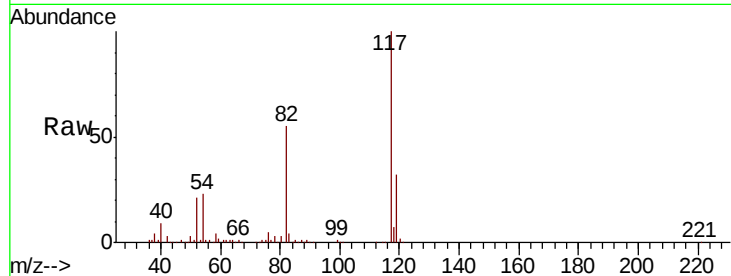
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:117 Resp: 1673622
Ion Ratio Lower Upper
117 100
82 55.1 41.7 62.5
119 32.1 26.0 39.0

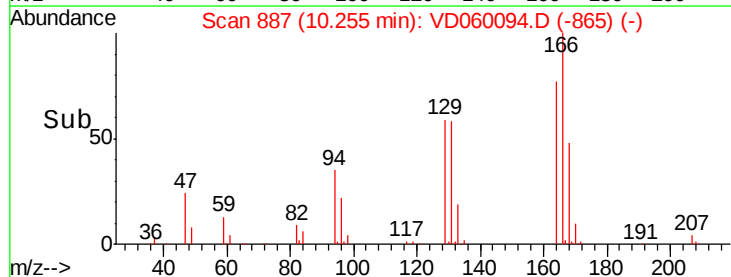
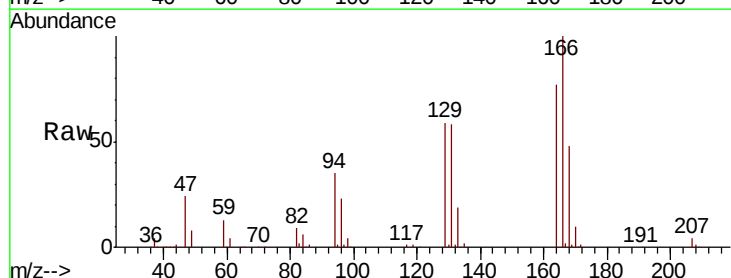
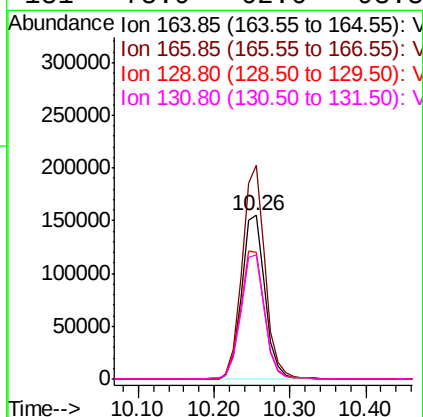
Manual Integrations
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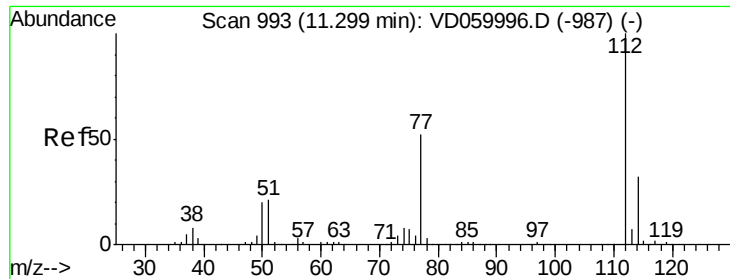
apatel
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#64
Tetrachloroethene
Concen: 22.265 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:164 Resp: 328773
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 77.7 61.9 92.9
131 75.9 62.6 93.8





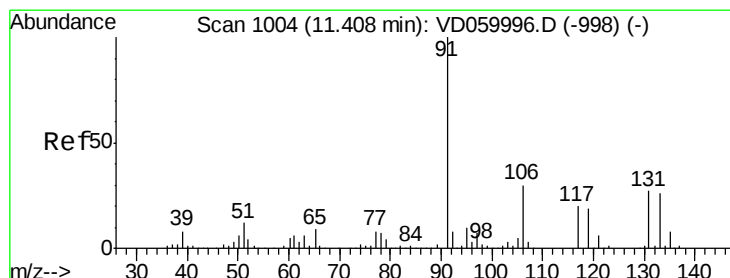
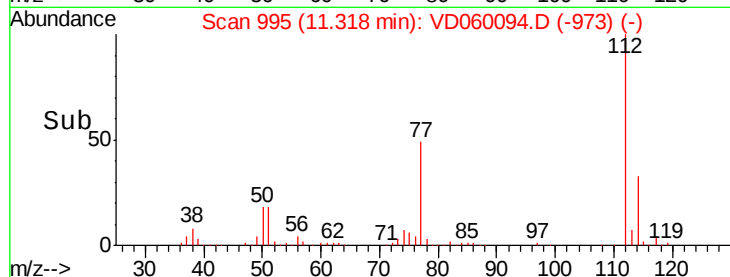
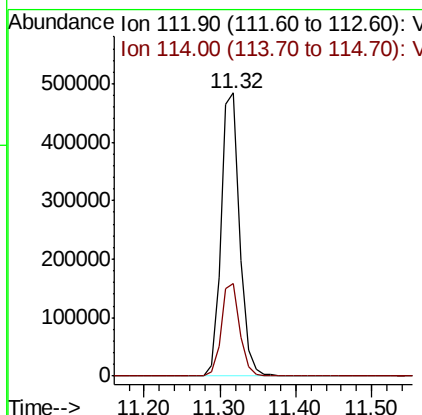
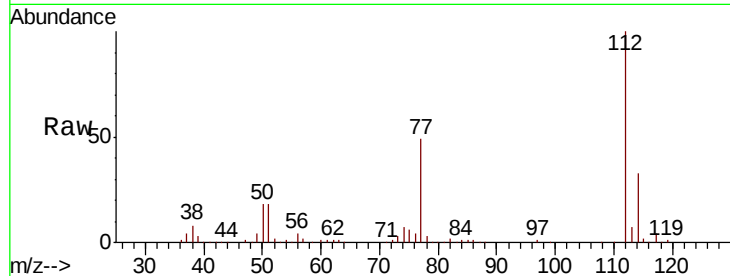
#65
Chlorobenzene
Concen: 23.082 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:112 Resp: 830526
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9

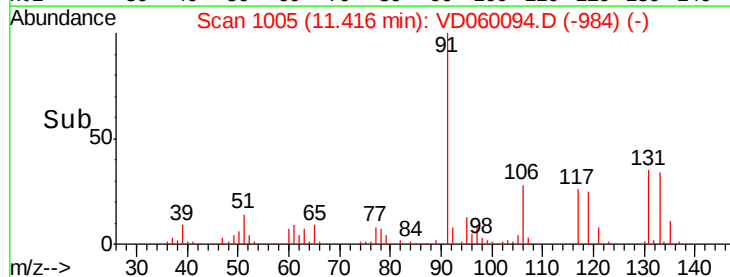
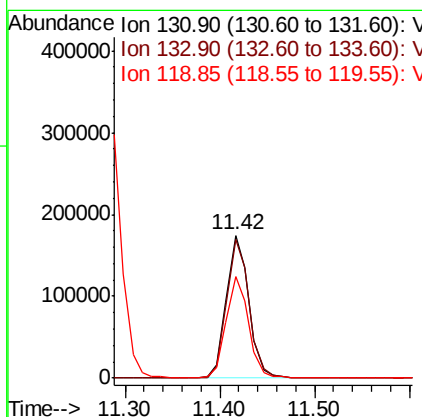
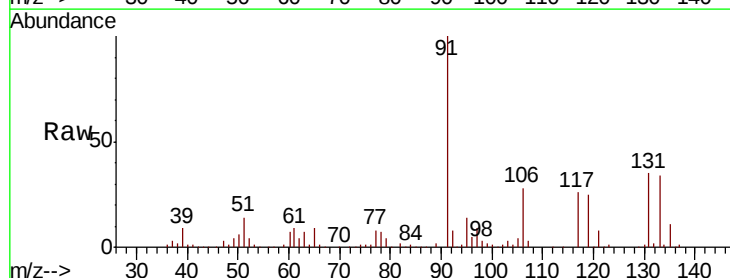
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.529 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:131 Resp: 285555
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 71.5 35.6 106.9





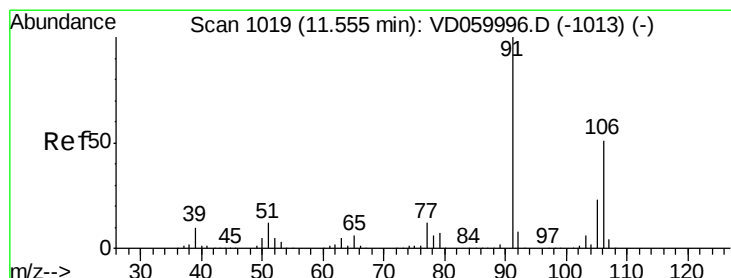
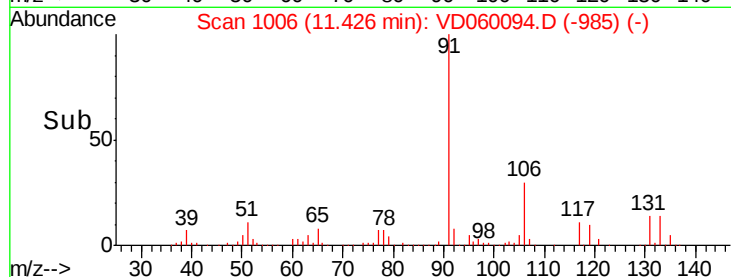
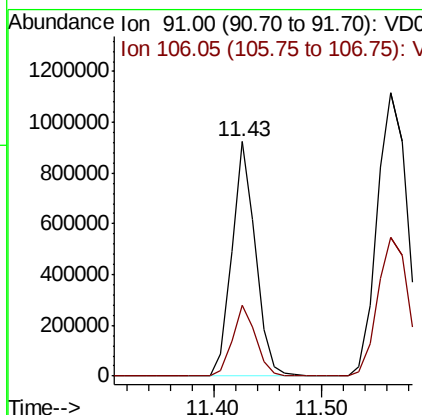
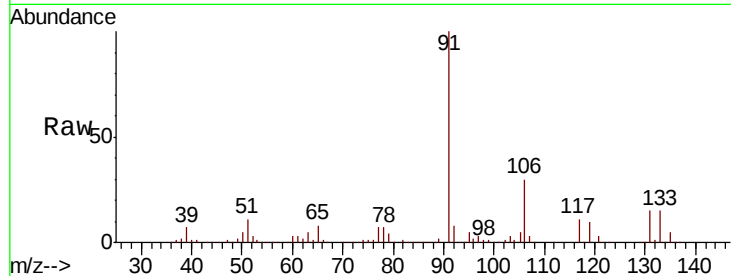
#67
Ethyl Benzene
Concen: 24.192 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 91 Resp: 1400853
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2

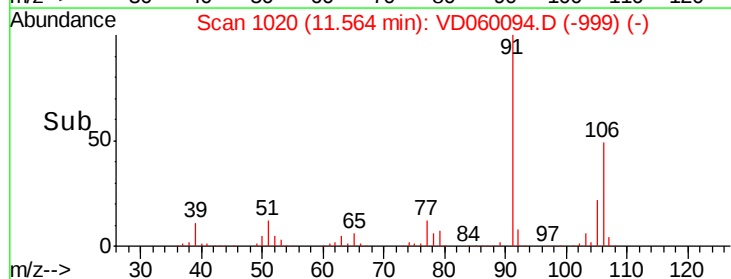
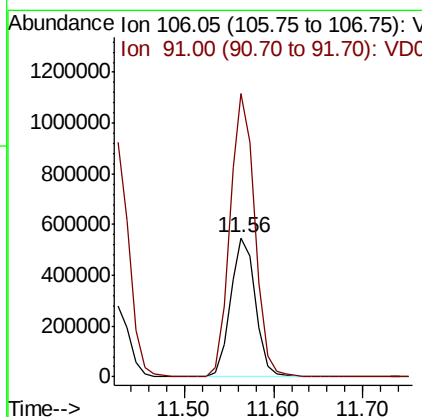
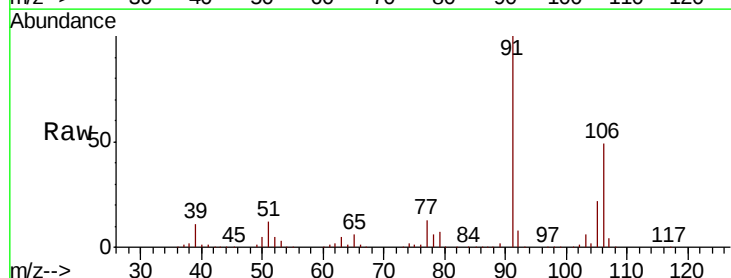
Manual Integrations
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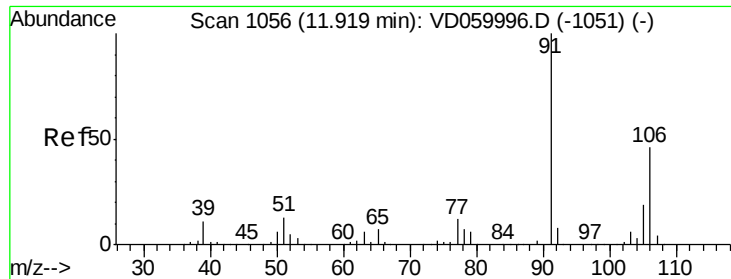
apatel
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#68
m/p-Xylenes
Concen: 49.736 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 106 Resp: 1063632
Ion Ratio Lower Upper
106 100
91 203.7 157.0 235.6





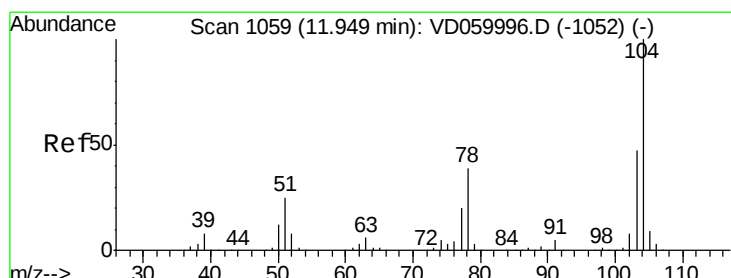
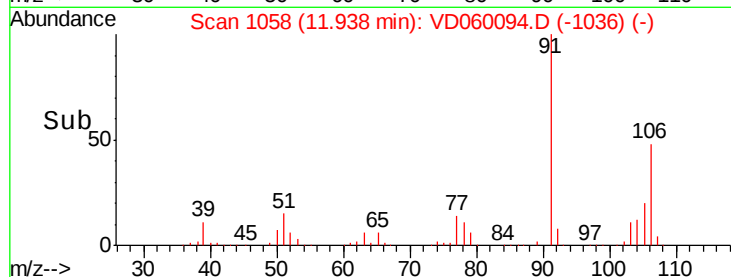
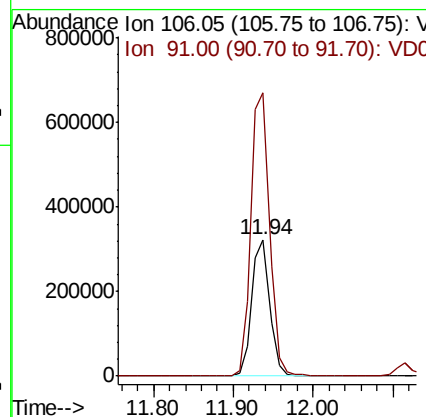
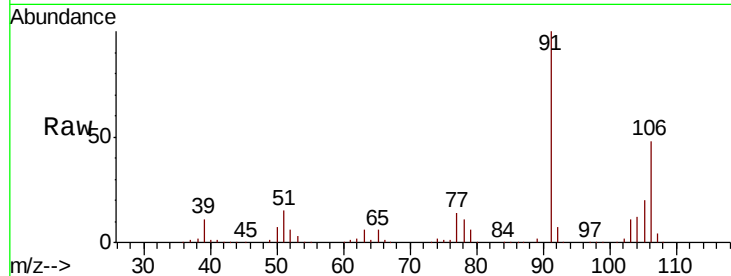
#69
o-Xylene
Concen: 23.501 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:106 Resp: 497982
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

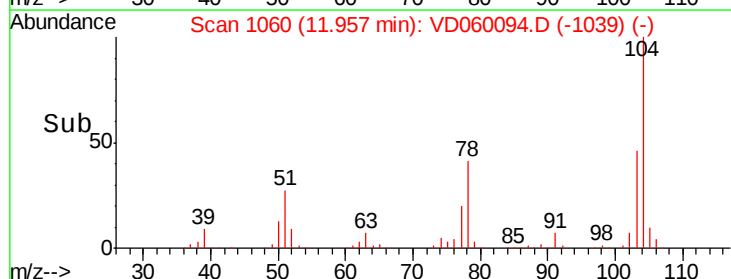
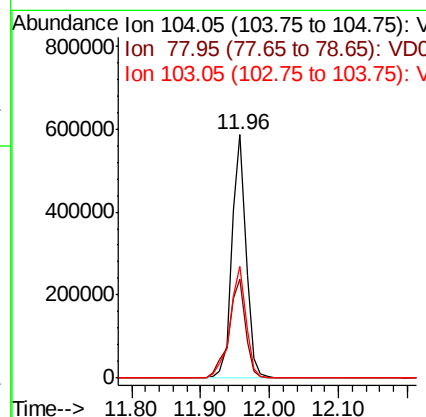
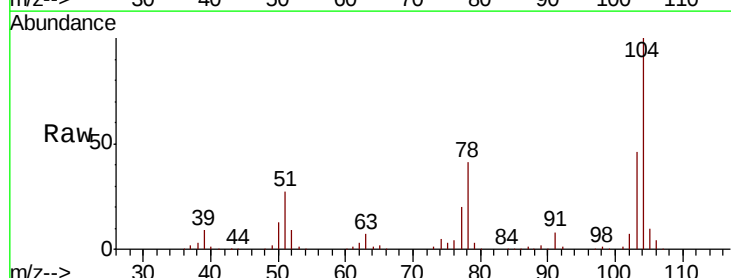
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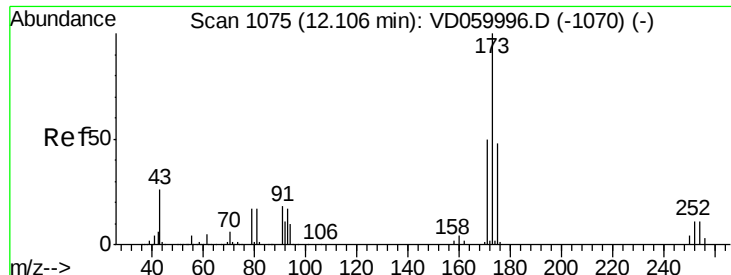
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#70
Styrene
Concen: 23.336 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:104 Resp: 831460
Ion Ratio Lower Upper
104 100
78 40.6 31.0 46.4
103 46.2 37.6 56.4





#71

Bromoform

Concen: 20.575 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

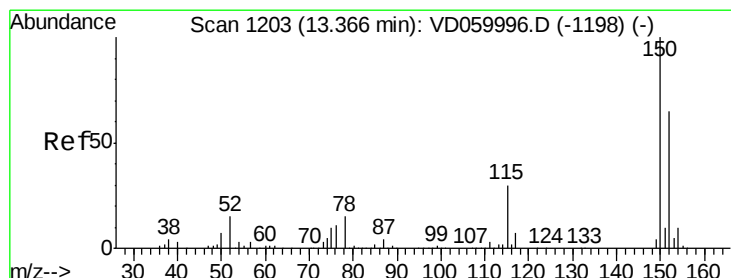
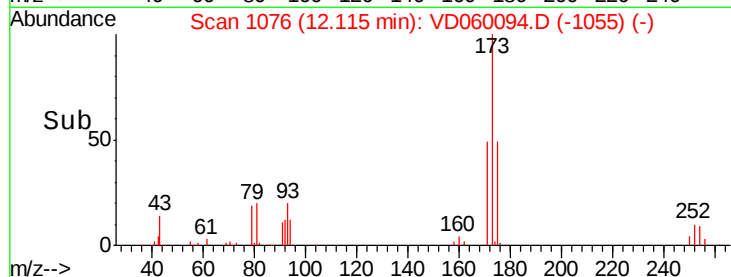
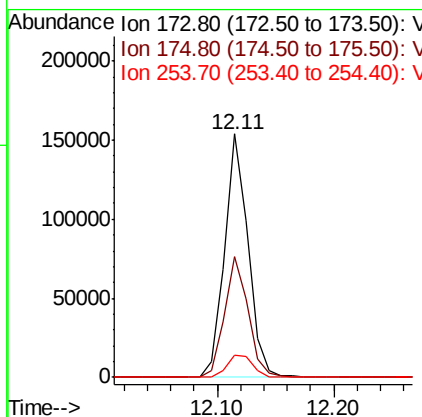
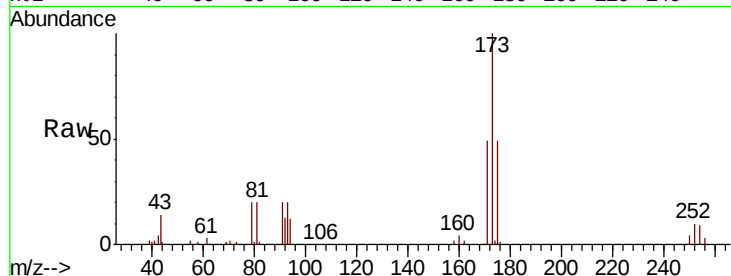
ClientSampleId :

VD0928SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.0	72.0
254	9.2	8.6	13.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

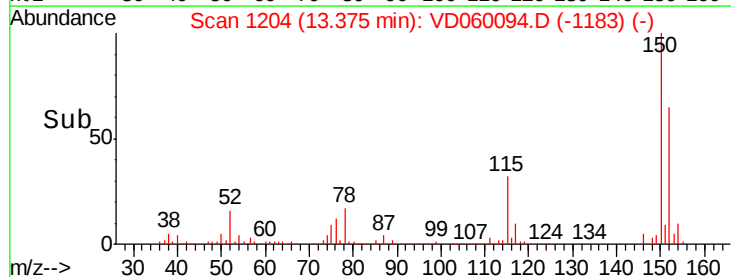
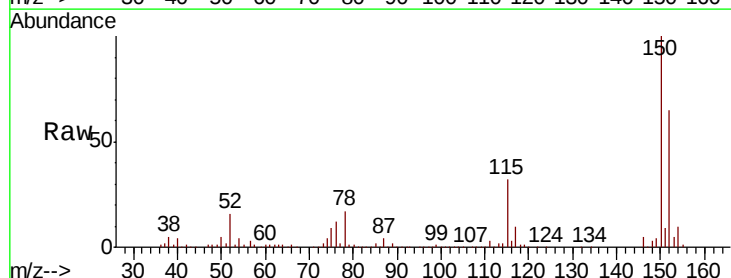
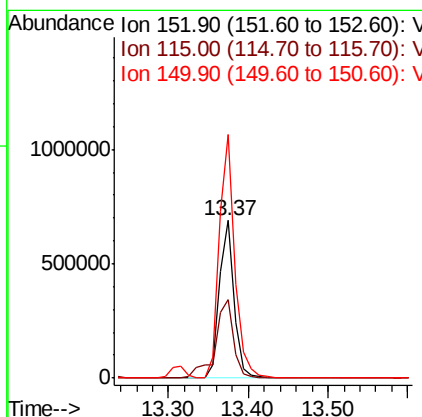
RT: 13.37 min Scan# 1204

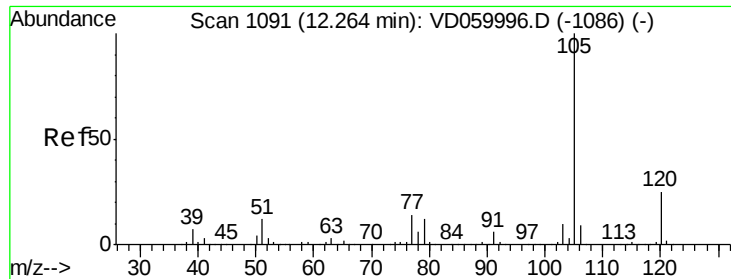
Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.6	24.6	73.8
150	154.8	0.0	313.4





#73

Isopropylbenzene

Concen: 23.394 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:105 Resp: 1390179

Ion Ratio Lower Upper

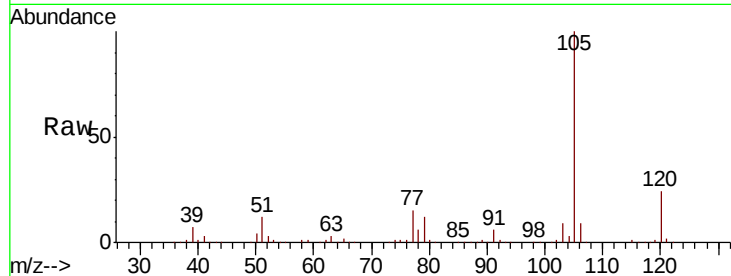
105 100

120 24.3 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

1000000

800000

600000

400000

200000

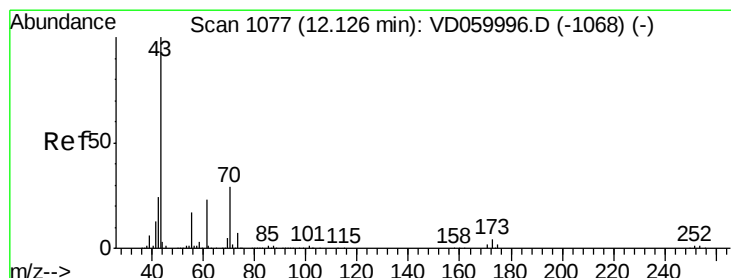
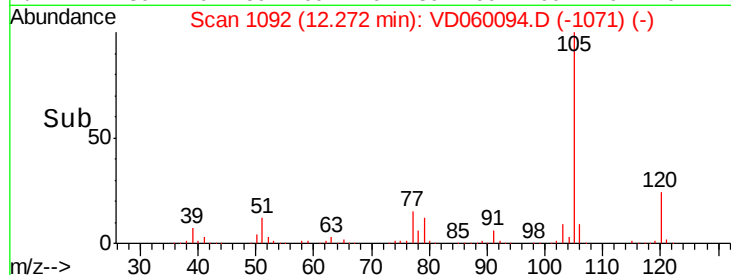
0

12.27

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 20.960 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion: 43 Resp: 493382

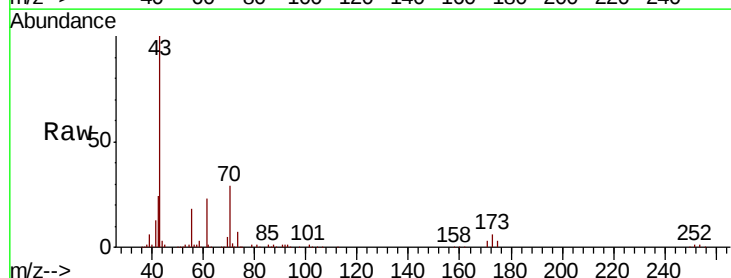
Ion Ratio Lower Upper

43 100

70 28.5 22.9 34.3

55 17.6 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

600000

500000

400000

300000

200000

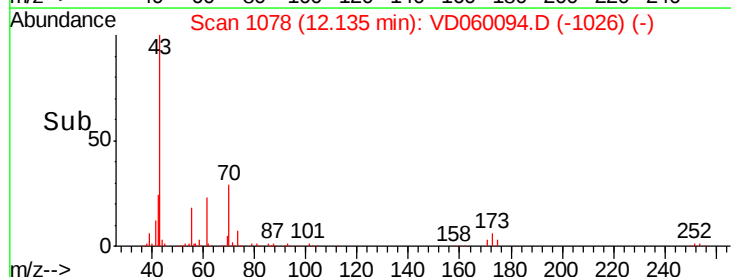
100000

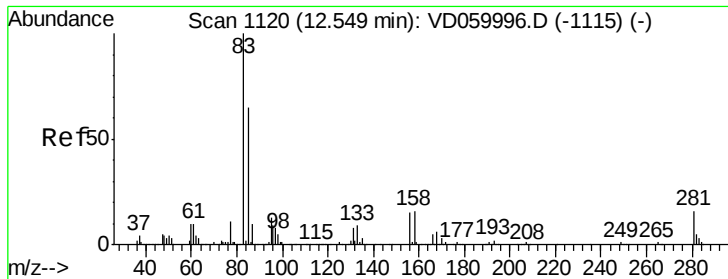
0

12.13

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.234 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

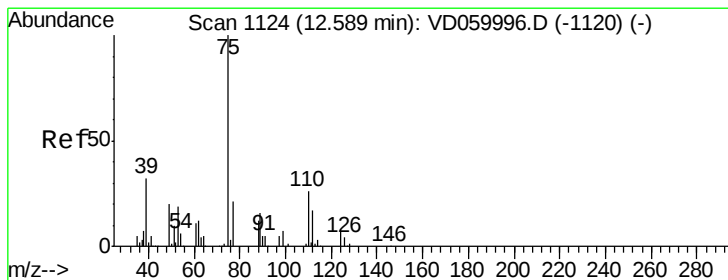
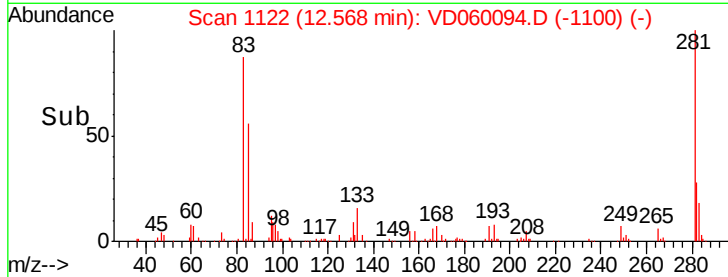
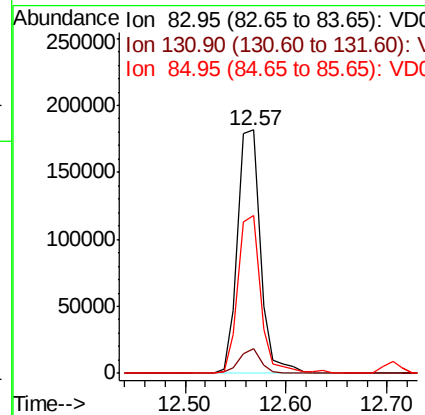
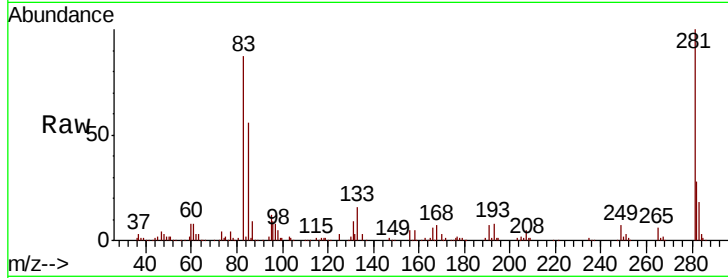
ClientSampleId :

VD0928SBS01

Tot Ion:	83	Resp:	286261
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.1	12.3
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.334 ug/l

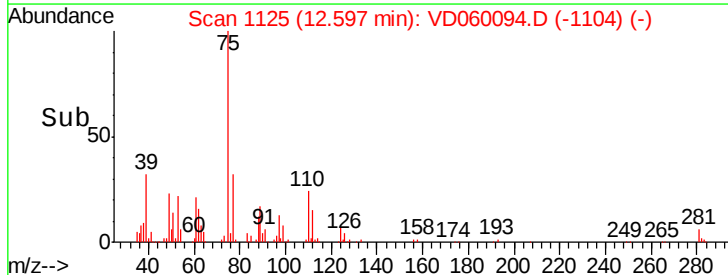
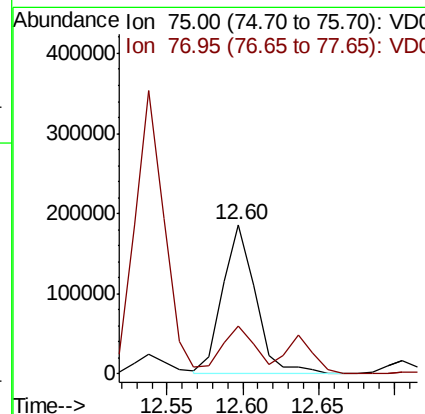
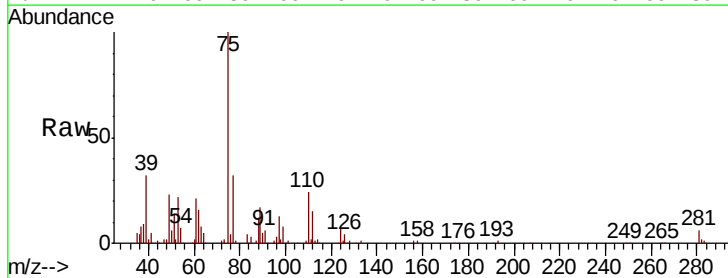
RT: 12.60 min Scan# 1125

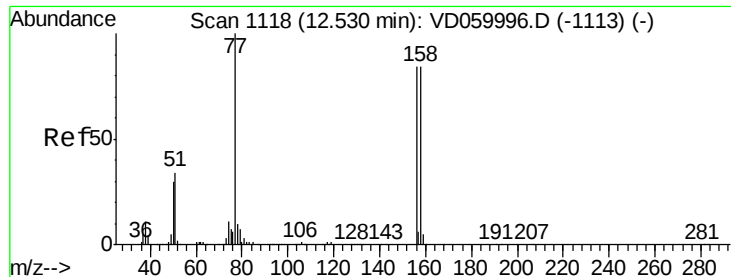
Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion:	75	Resp:	281397
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.4	49.4





#77

Bromobenzene

Concen: 22.522 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

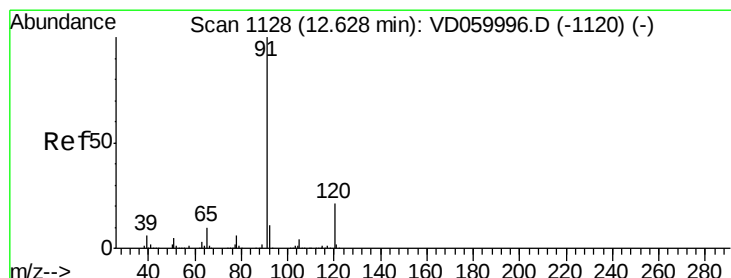
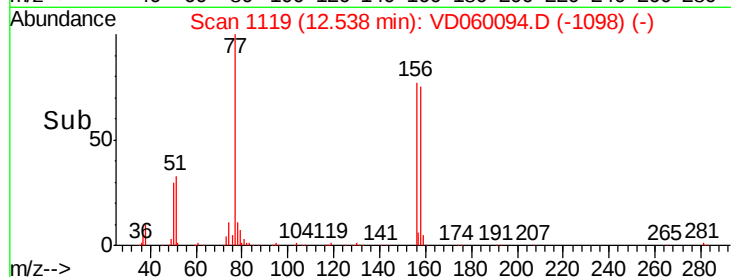
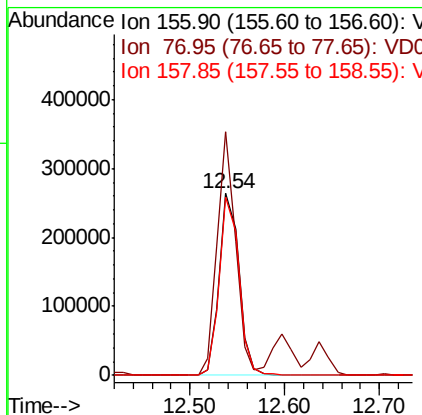
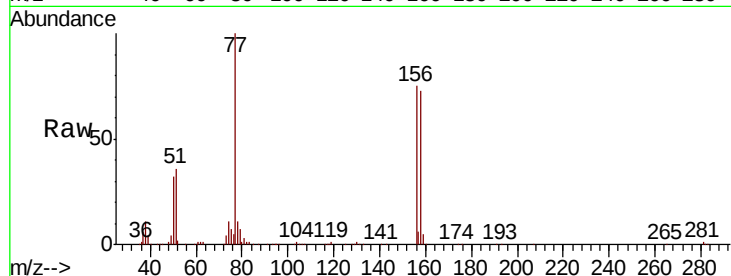
ClientSampleId :

VD0928SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.1	59.5	178.4
158	98.0	50.0	149.8

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#78

n-propylbenzene

Concen: 23.162 ug/l

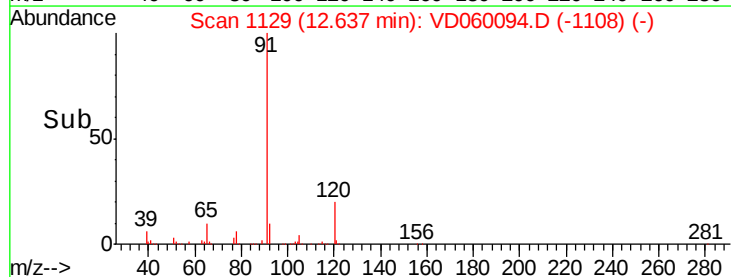
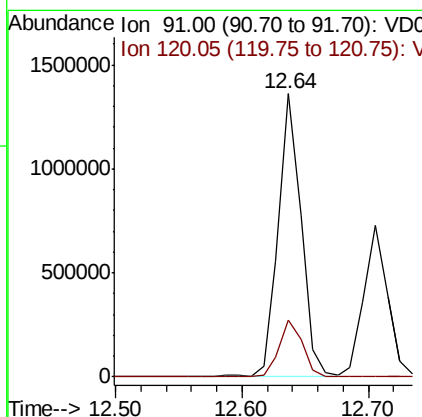
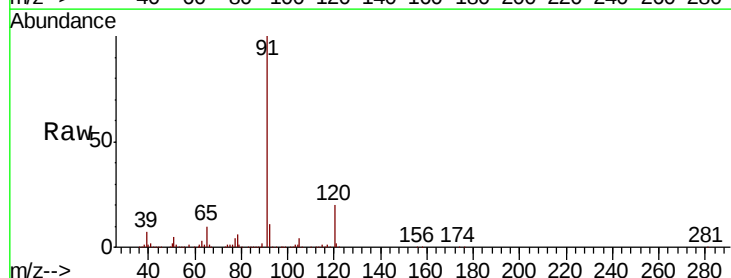
RT: 12.64 min Scan# 1129

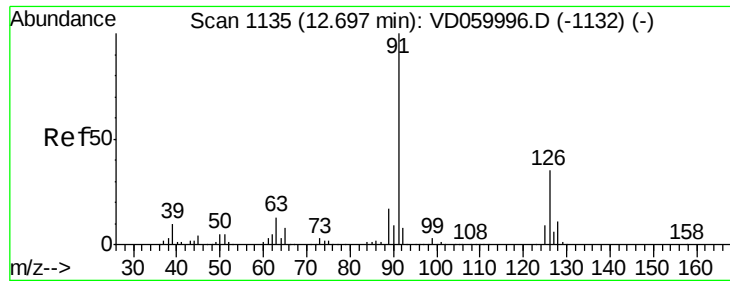
Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.7	31.9





#79

2-Chlorotoluene

Concen: 22.291 ug/l

RT: 12.71 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060094.D

Acq: 28 Sep 2018 13:38

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 91 Resp: 940204

Ion Ratio Lower Upper

91 100

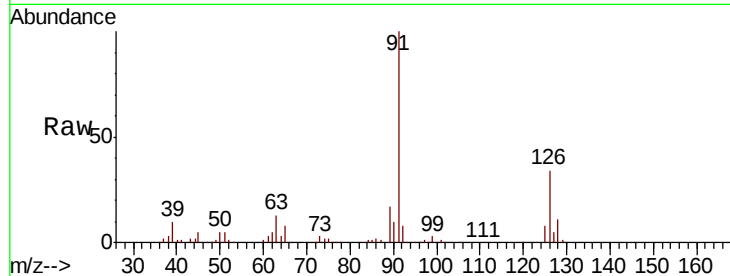
126 33.7 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

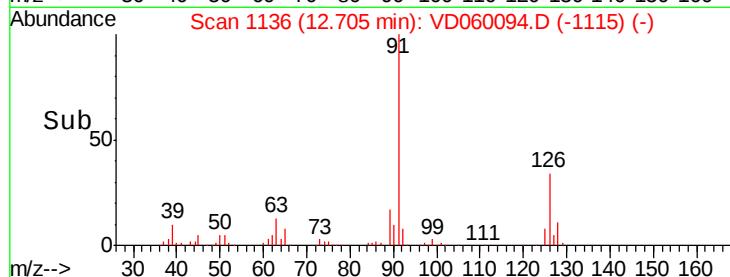
1500000

1000000

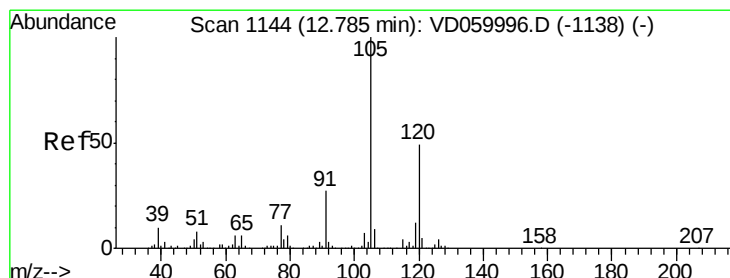
500000

0

12.65 12.70 12.75



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 24.417 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060094.D

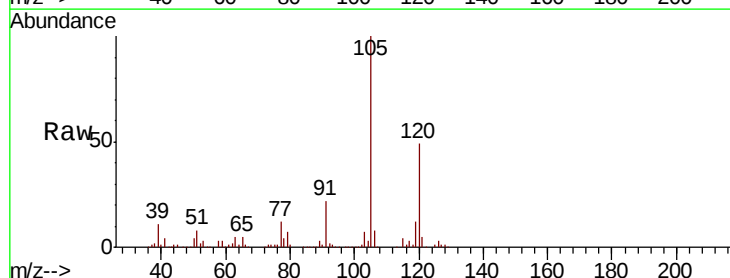
Acq: 28 Sep 2018 13:38

Tgt Ion:105 Resp: 1112130

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

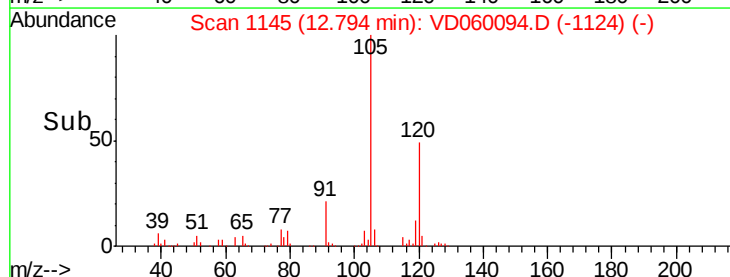
600000

400000

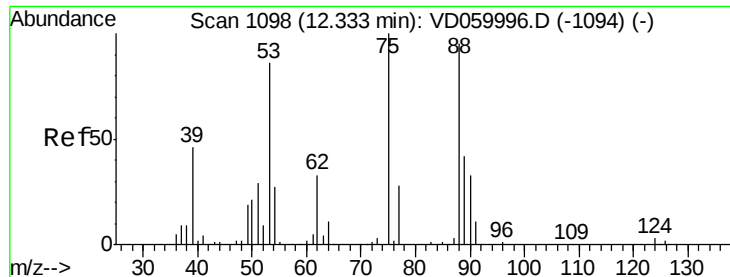
200000

0

12.70 12.80 12.90



Time-->



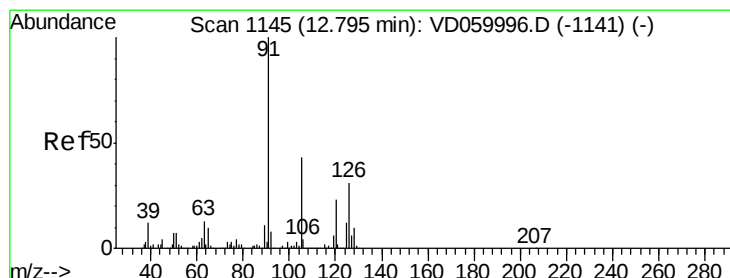
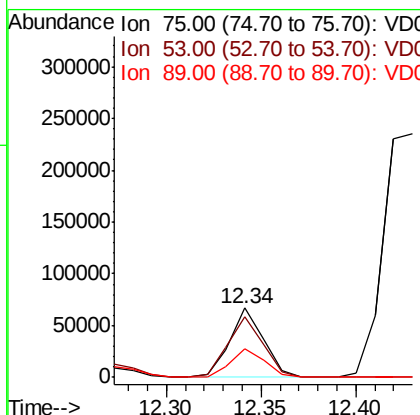
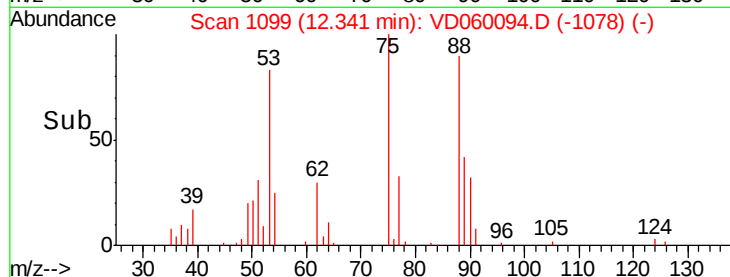
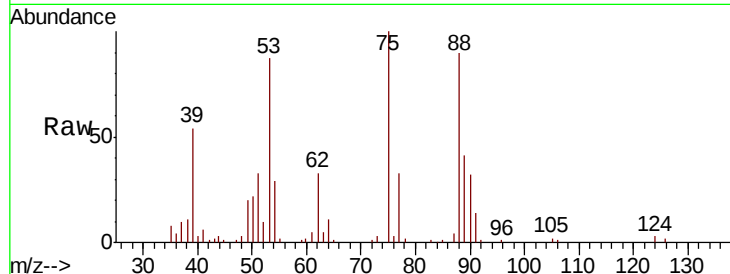
#81
trans-1,4-Dichloro-2-butene
Concen: 19.920 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 75 Resp: 83213
Ion Ratio Lower Upper
75 100
53 87.4 68.4 102.6
89 41.3 33.8 50.6

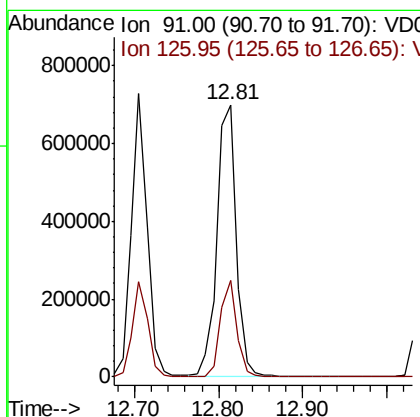
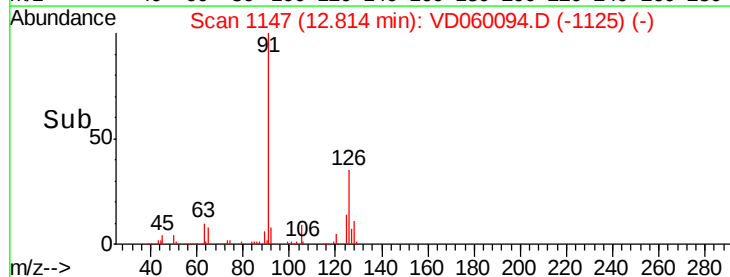
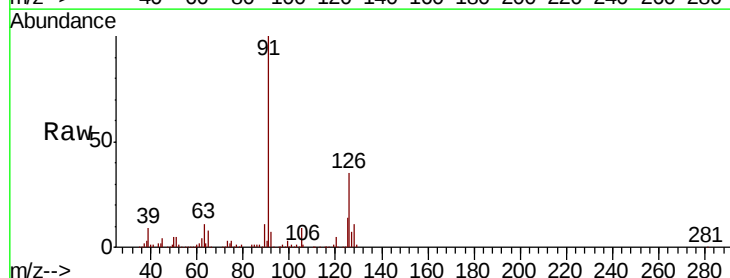
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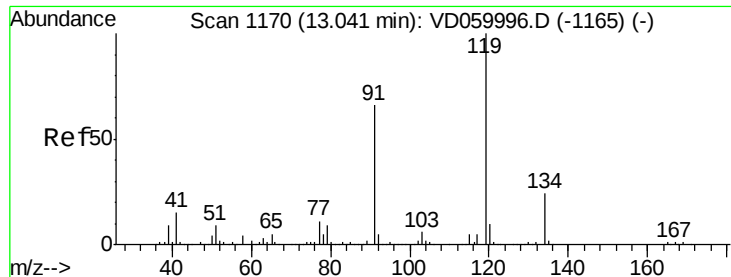
apatel
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#82
4-Chlorotoluene
Concen: 23.953 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 91 Resp: 1110739
Ion Ratio Lower Upper
91 100
126 35.3 15.4 46.1





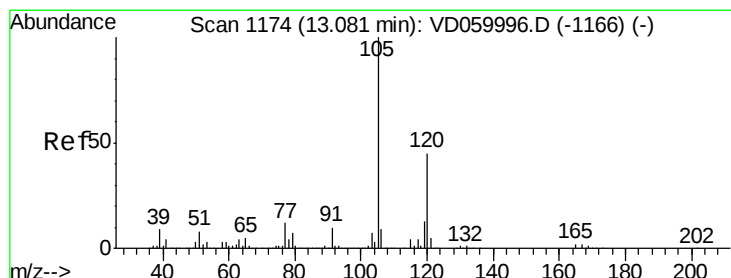
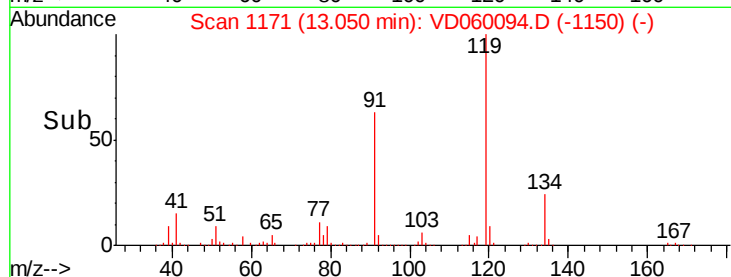
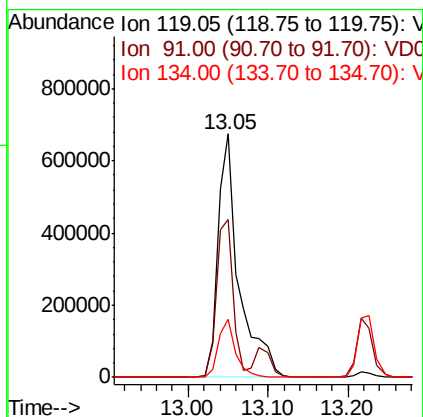
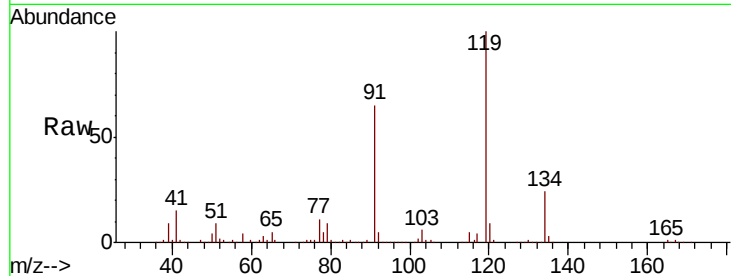
#83
tert-Butylbenzene
Concen: 23.706 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion:119 Resp: 1250914
Ion Ratio Lower Upper
119 100
91 64.6 32.9 98.6
134 23.9 12.0 36.0

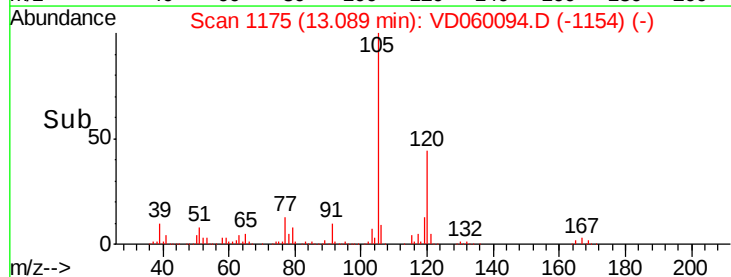
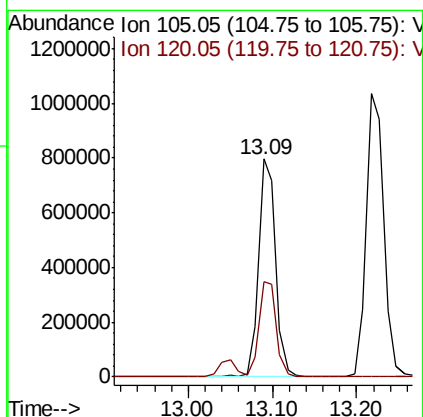
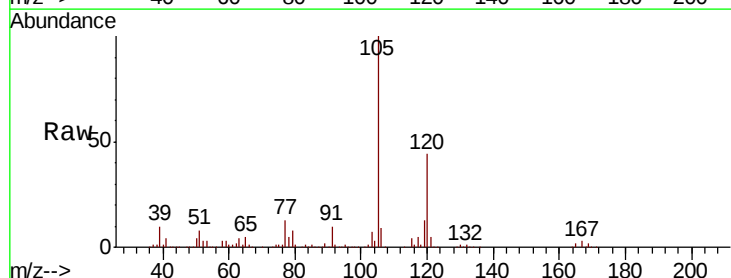
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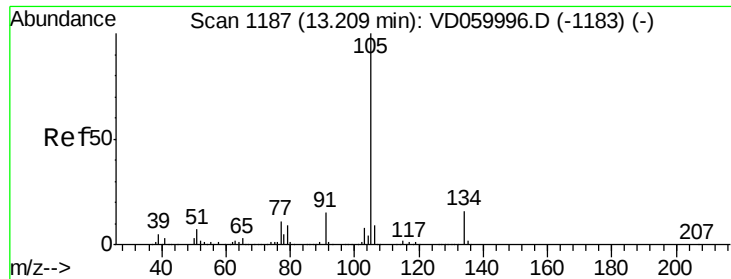
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#84
1,2,4-Trimethylbenzene
Concen: 23.427 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion:105 Resp: 1138713
Ion Ratio Lower Upper
105 100
120 43.9 22.4 67.0





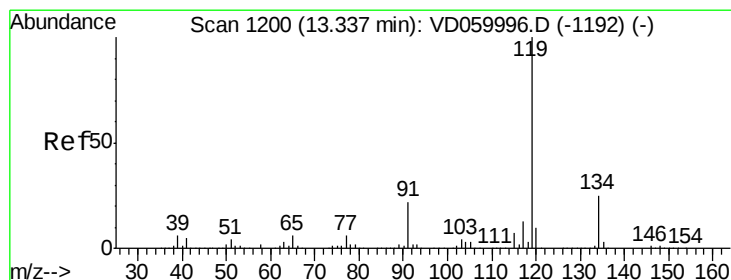
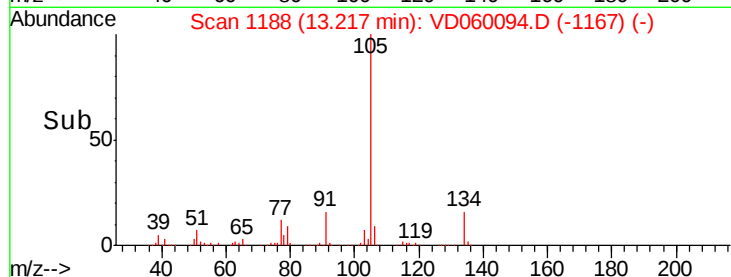
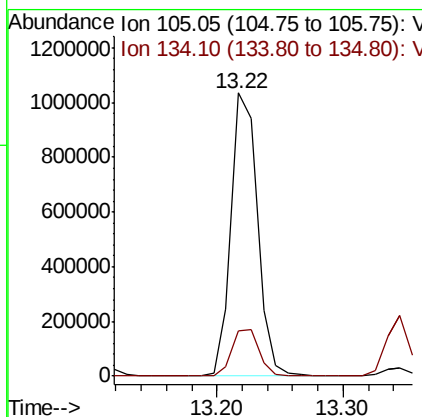
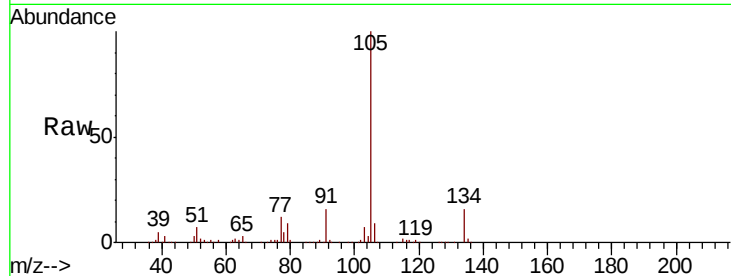
#85
 sec-Butylbenzene
 Concen: 23.893 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion:105 Resp: 1496608
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.2 24.6

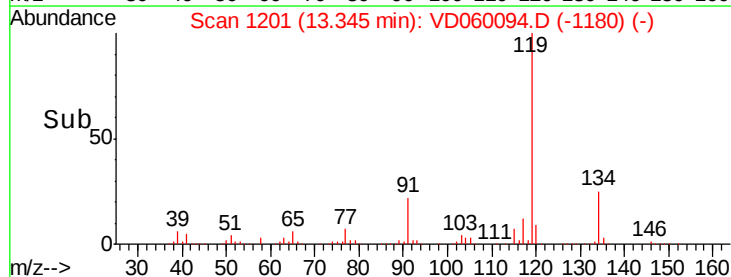
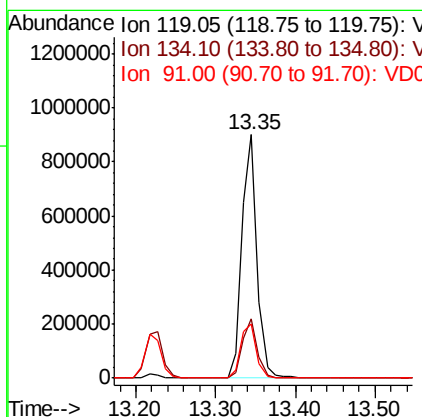
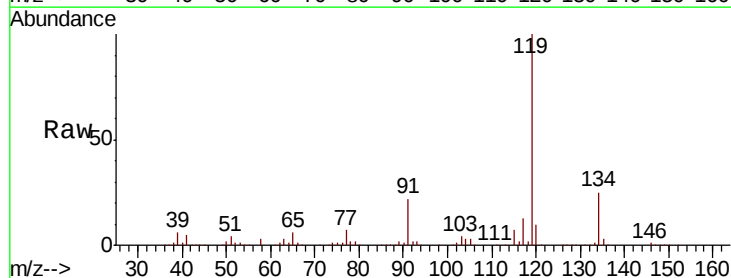
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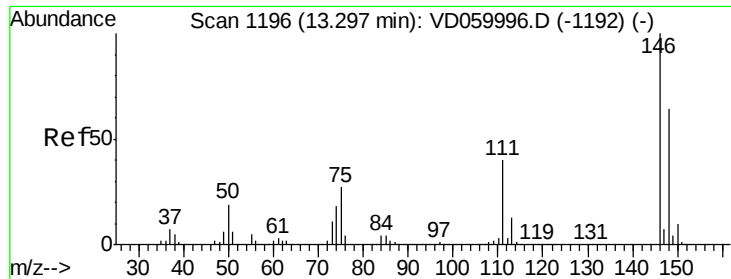
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#86
 p-Isopropyltoluene
 Concen: 23.285 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion:119 Resp: 1179654
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.8 38.3
 91 22.3 11.1 33.3





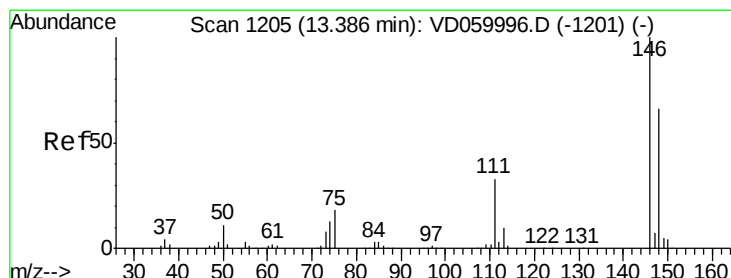
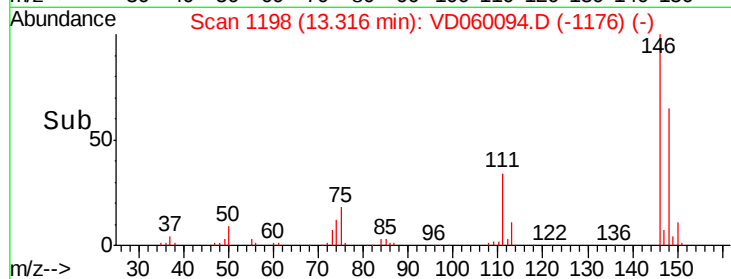
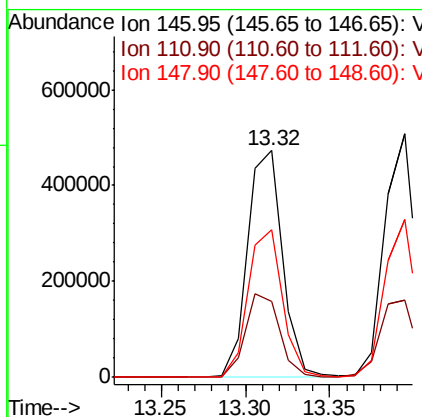
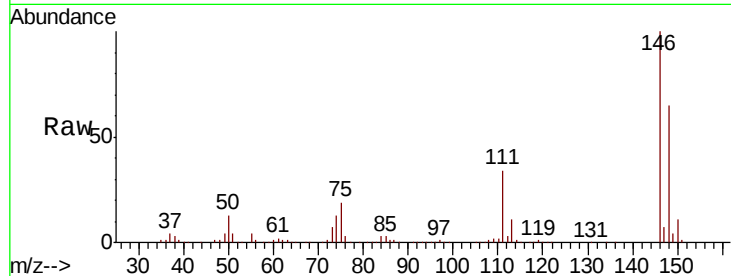
#87
 1,3-Dichlorobenzene
 Concen: 22.955 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	20.2	60.5
148	64.9	32.0	96.2

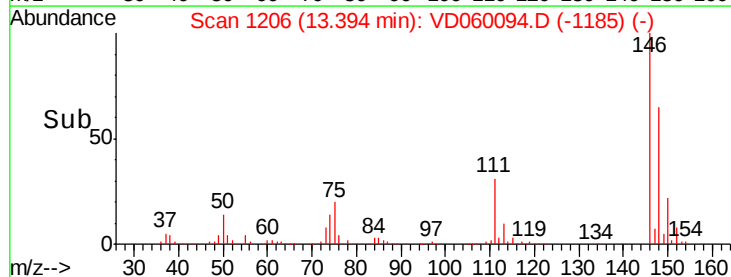
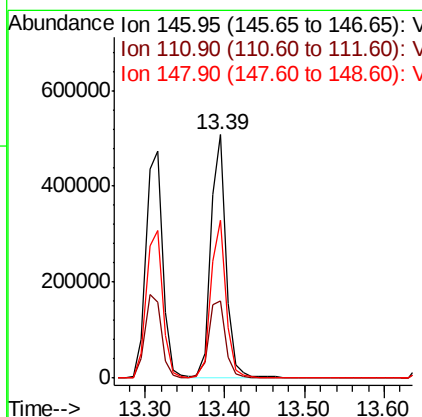
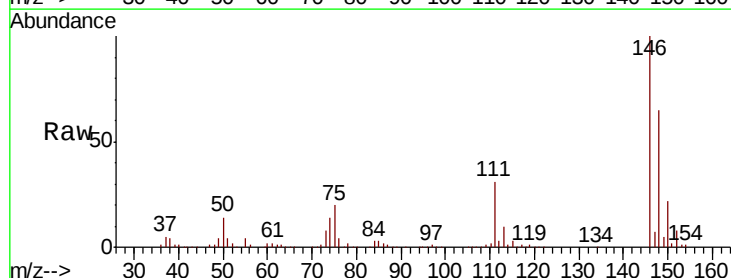
Manual Integrations
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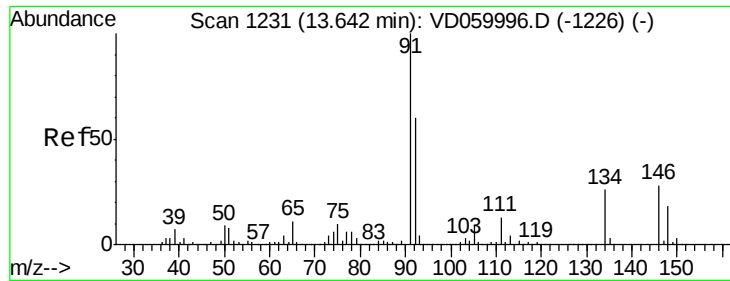
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#88
 1,4-Dichlorobenzene
 Concen: 22.540 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.5	16.7	50.0
148	64.8	32.9	98.6





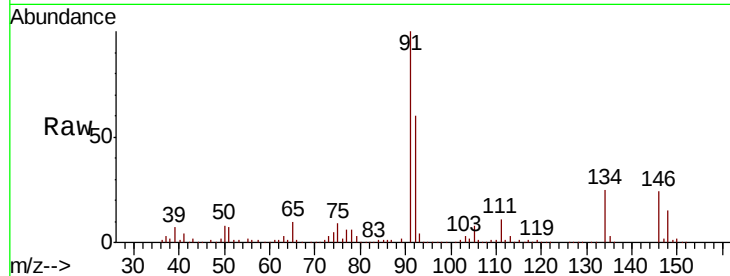
#89
n-Butylbenzene
Concen: 22.843 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

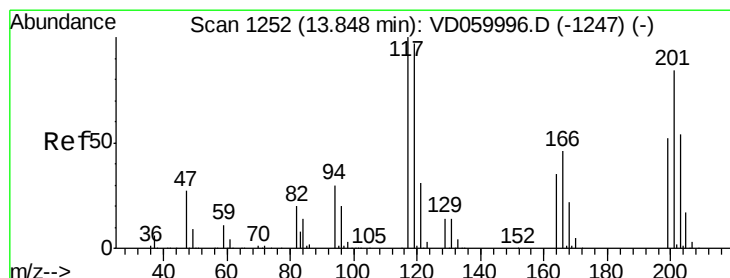
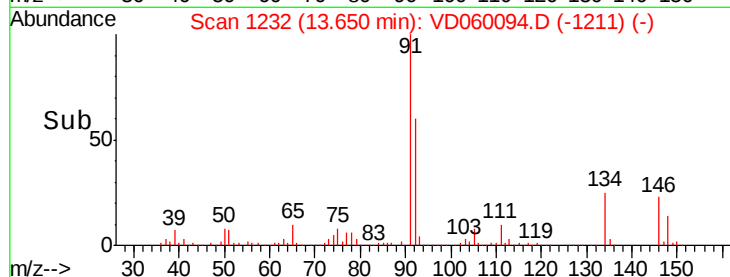
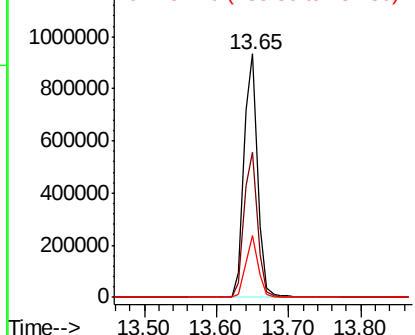
Tot Ion: 91 Resp: 1231032
Ion Ratio Lower Upper
91 100
92 59.8 29.8 89.3
134 25.2 13.2 39.6

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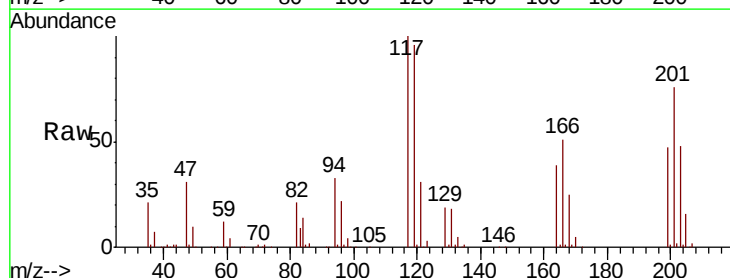


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

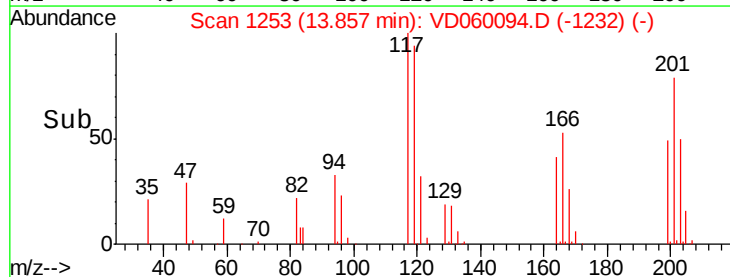
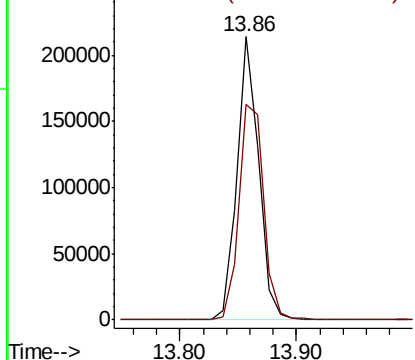


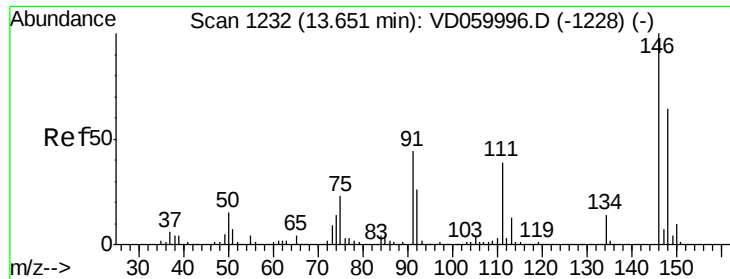
#90
Hexachloroethane
Concen: 21.991 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion: 117 Resp: 275946
Ion Ratio Lower Upper
117 100
201 76.1 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





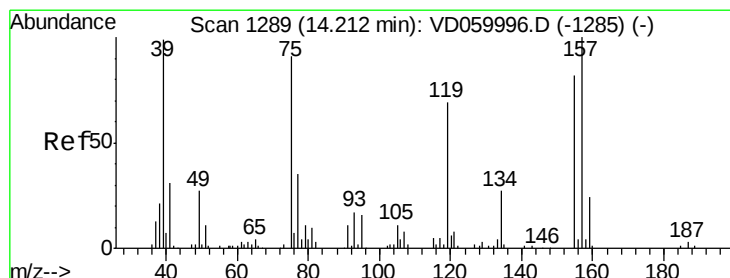
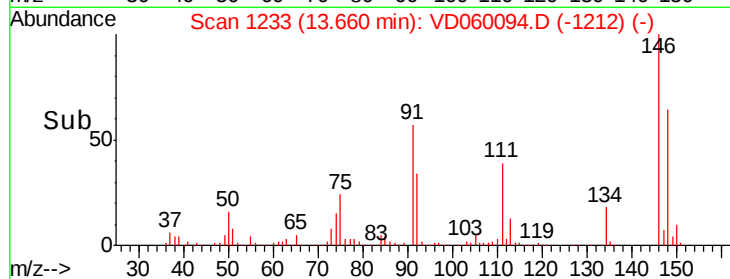
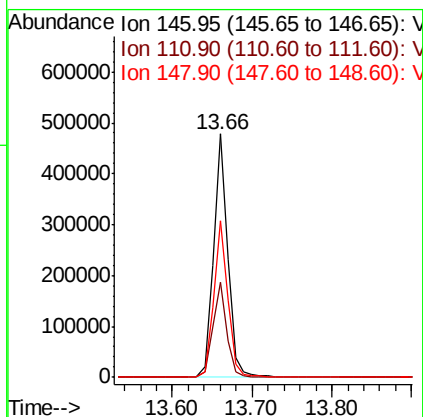
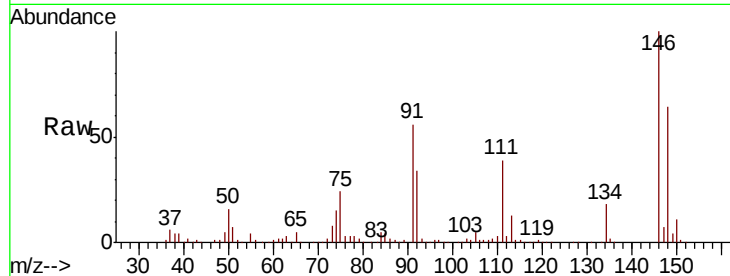
#91
 1,2-Dichlorobenzene
 Concen: 21.827 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	64.1	31.9	95.7

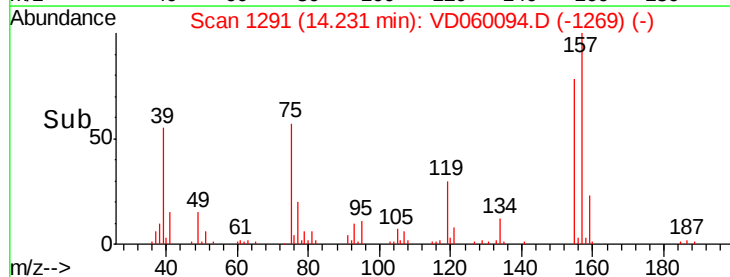
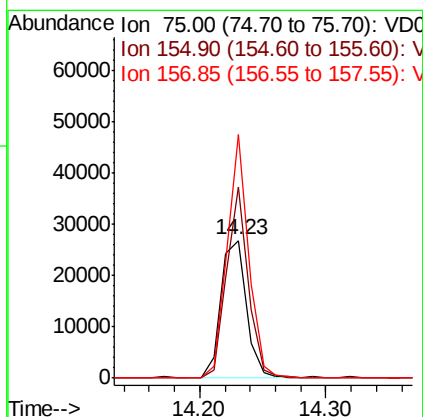
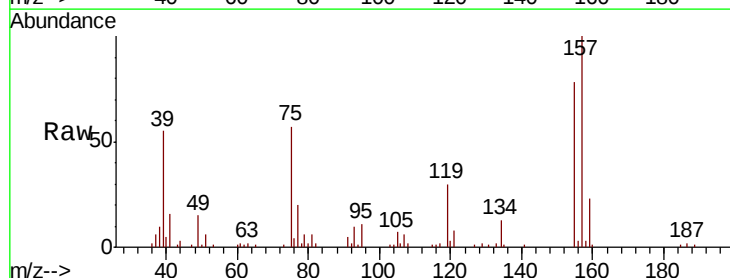
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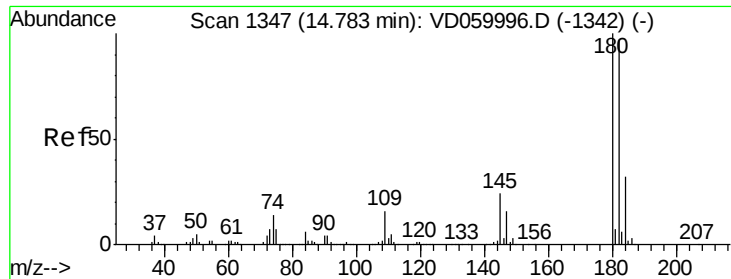
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.458 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	138.2	44.7	134.1#
157	176.5	54.7	164.1#





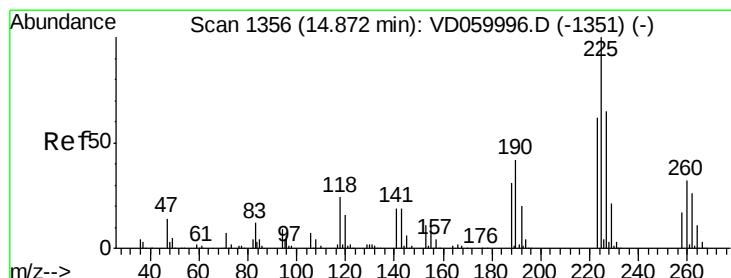
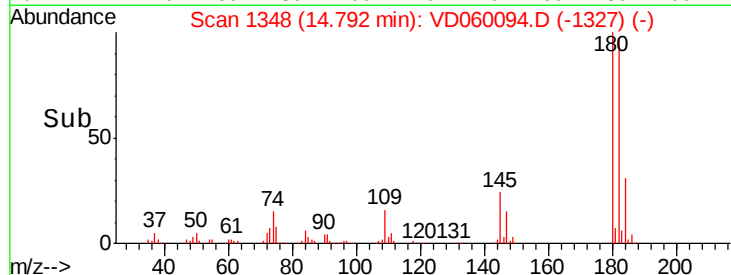
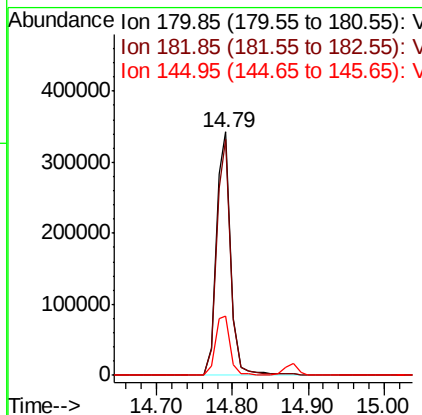
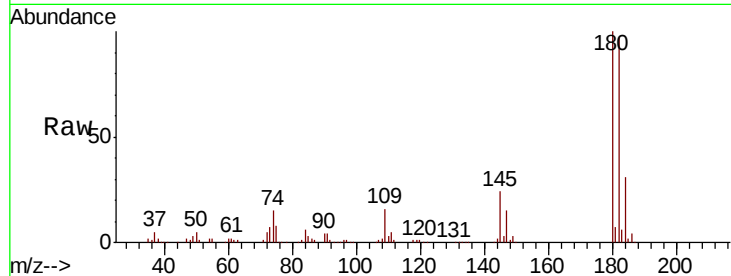
#93
 1,2,4-Trichlorobenzene
 Concen: 21.931 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	465222		
182	97.0	48.5	145.6	
145	24.1	11.9	35.7	

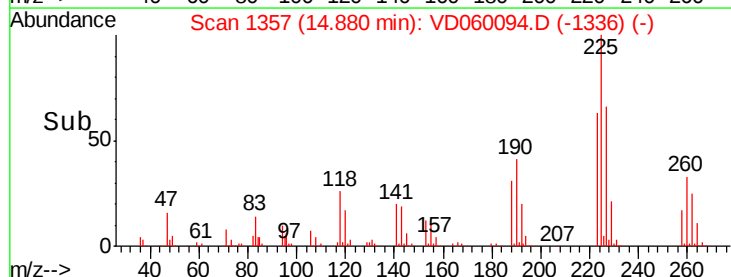
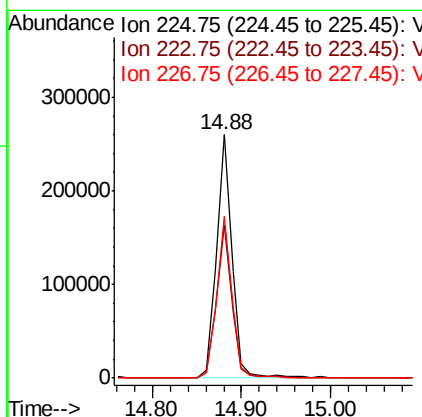
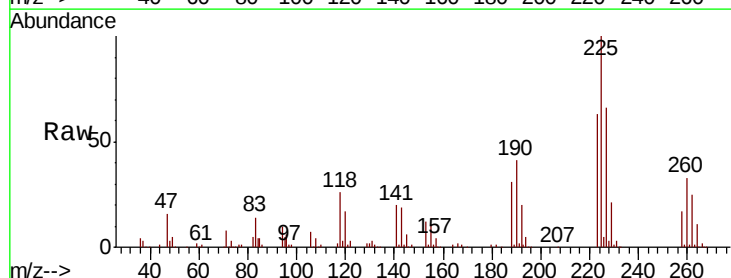
Manual Integrations
 APPROVED

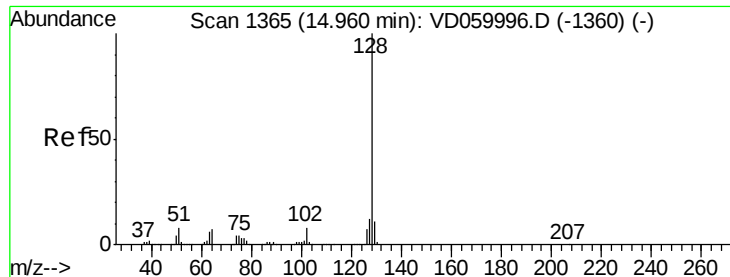
apatel
 10/1/2018 3:58:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.559 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060094.D
 Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316558		
223	62.7	31.2	93.6	
227	66.3	32.3	96.8	





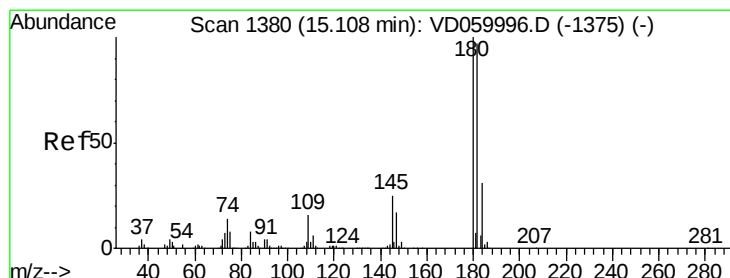
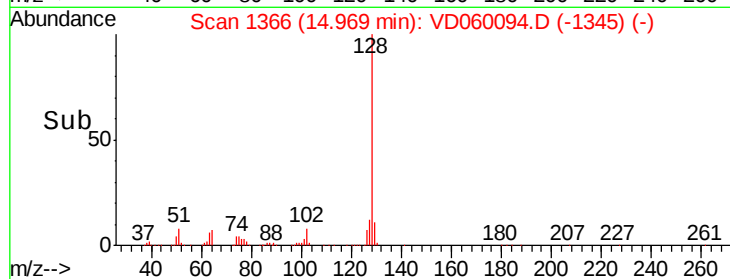
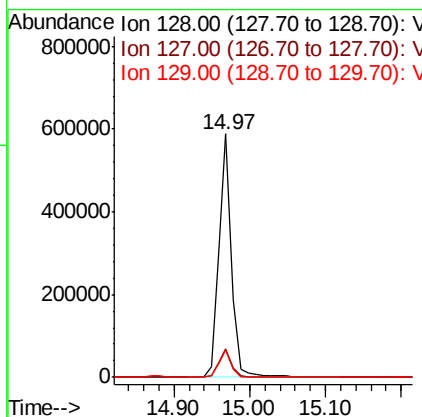
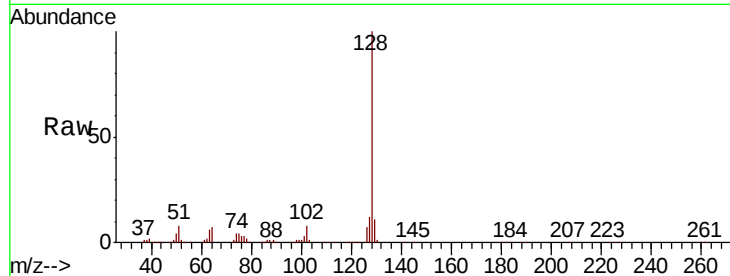
#95
Naphthalene
Concen: 21.368 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	700044		
127	12.0		9.7	14.5
129	11.0		8.9	13.3

Manual Integrations
APPROVED

apatel
10/1/2018 3:58:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.863 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060094.D
Acq: 28 Sep 2018 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	408708		
182	97.8		48.6	145.9
145	26.0		12.7	38.1

