

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059995.D
 Acq On : 13 Sep 2018 13:13
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/14/2018 10:56:55 AM

Quant Time: Sep 13 15:44:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1508181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2106051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1720574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	907145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	236760	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
35) Dibromofluoromethane	6.30	113	317203	19.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.60%	
50) Toluene-d8	9.43	98	911072	20.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.18%	
62) 4-Bromofluorobenzene	12.42	95	350353	19.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	299737m	21.22	ug/l	
3) Chloromethane	1.73	50	279229	22.34	ug/l	98
4) Vinyl Chloride	1.83	62	221922	22.52	ug/l	97
5) Bromomethane	2.11	94	18902	10.97	ug/l	89
6) Chloroethane	2.21	64	44553	14.71	ug/l	96
7) Trichlorofluoromethane	2.47	101	234201	20.35	ug/l	98
8) Diethyl Ether	2.79	74	52219	20.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	155167	21.95	ug/l	98
10) Methyl Iodide	3.21	142	150151	22.97	ug/l	99
11) Tert butyl alcohol	3.95	59	88658	92.69	ug/l	98
12) 1,1-Dichloroethene	3.04	96	123828	22.51	ug/l	95
13) Acrolein	2.95	56	61982	142.96	ug/l	99
14) Allyl chloride	3.49	41	253337	20.69	ug/l	99
15) Acrylonitrile	4.05	53	359598	99.44	ug/l	99
16) Acetone	3.14	43	244692	107.10	ug/l	96
17) Carbon Disulfide	3.27	76	419198	24.09	ug/l	98
18) Methyl Acetate	3.52	43	86476	18.03	ug/l	95
19) Methyl tert-butyl Ether	4.08	73	560925	18.91	ug/l	97
20) Methylene Chloride	3.68	84	387066	20.77	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	324731	21.62	ug/l	91
22) Diisopropyl ether	4.82	45	1202679	19.66	ug/l	98
23) Vinyl Acetate	4.77	43	3492509	102.22	ug/l	99
24) 1,1-Dichloroethane	4.72	63	527977	19.81	ug/l	99
25) 2-Butanone	5.59	43	706263	107.04	ug/l	98
26) 2,2-Dichloropropane	5.55	77	421225	19.03	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	348347	21.43	ug/l	97
28) Bromochloromethane	5.89	49	259092	20.68	ug/l	97
29) Tetrahydrofuran	5.92	42	328889	100.86	ug/l	98
30) Chloroform	6.07	83	541230	19.95	ug/l	99
31) Cyclohexane	6.33	56	512567	20.59	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	449766	19.58	ug/l	99
36) 1,1-Dichloropropene	6.49	75	407727	20.87	ug/l	99
37) Ethyl Acetate	5.67	43	286644	19.39	ug/l	97
38) Carbon Tetrachloride	6.46	117	375488	19.16	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.01	83	472498	22.18	ug/l	100
40) Benzene	6.76	78	1076953	21.16	ug/l	98
41) Methacrylonitrile	5.91	41	179540m	23.92	ug/l	
42) 1,2-Dichloroethane	6.87	62	317654	19.87	ug/l	98
43) Isopropyl Acetate	8.32	43	368436	19.03	ug/l #	99
44) Trichloroethene	7.71	130	323445	21.44	ug/l	97
45) 1,2-Dichloropropane	8.08	63	281226	20.00	ug/l	99
46) Dibromomethane	8.19	93	183677	20.30	ug/l	92
47) Bromodichloromethane	8.47	83	399344	19.67	ug/l	98
48) Methyl methacrylate	8.22	41	210443	18.68	ug/l	96
49) 1,4-Dioxane	8.21	88	42505	416.33	ug/l	93
51) 4-Methyl-2-Pentanone	9.33	43	1536486	111.31	ug/l	99
52) Toluene	9.52	92	688227	21.13	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	366671	19.58	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	437535	19.90	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	231039	19.68	ug/l	97
56) Ethyl methacrylate	10.02	69	258789	19.25	ug/l	98
57) 1,3-Dichloropropane	10.37	76	352446	20.72	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.90	63	672184	104.35	ug/l	98
59) 2-Hexanone	10.47	43	1113559	109.39	ug/l	97
60) Dibromochloromethane	10.63	129	285563	19.39	ug/l	98
61) 1,2-Dibromoethane	10.74	107	245277	20.68	ug/l	97
64) Tetrachloroethene	10.23	164	303717	22.00	ug/l	99
65) Chlorobenzene	11.29	112	752740	21.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	261865	20.71	ug/l	98
67) Ethyl Benzene	11.41	91	1292756	22.05	ug/l	98
68) m/p-Xylenes	11.55	106	976295	45.30	ug/l	96
69) o-Xylene	11.92	106	466458	22.19	ug/l	100
70) Styrene	11.94	104	792923	21.93	ug/l	98
71) Bromoform	12.10	173	211470	19.36	ug/l #	96
73) Isopropylbenzene	12.27	105	1224821	20.76	ug/l	99
74) N-amyl acetate	12.12	43	477891	18.96	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	267755	19.74	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	274183	19.41	ug/l	98
77) Bromobenzene	12.52	156	359532	22.00	ug/l	87
78) n-propylbenzene	12.62	91	1583100	21.28	ug/l	95
79) 2-Chlorotoluene	12.69	91	883732	21.04	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	972654	20.83	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	81446	18.67	ug/l	94
82) 4-Chlorotoluene	12.80	91	1005691	21.12	ug/l	94
83) tert-Butylbenzene	13.04	119	1122172	21.16	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1039666	21.44	ug/l	97
85) sec-Butylbenzene	13.21	105	1326021	21.31	ug/l	96
86) p-Isopropyltoluene	13.33	119	1096020	21.45	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	616990	21.16	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	645991	22.12	ug/l	99
89) n-Butylbenzene	13.64	91	1105692	21.66	ug/l	97
90) Hexachloroethane	13.84	117	253727	18.75	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	556862	22.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36916	18.20	ug/l	74

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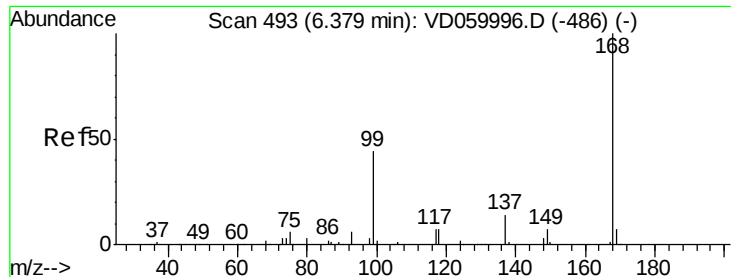
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	452001	21.38	ug/l	98
94) Hexachlorobutadiene	14.87	225	293477	21.11	ug/l	98
95) Naphthalene	14.96	128	656390	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	397190	21.91	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1508181

Ion Ratio Lower Upper

168 100

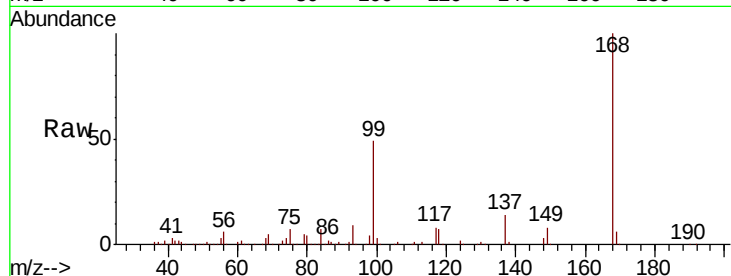
99 49.2 38.5 57.7

Manual Integrations

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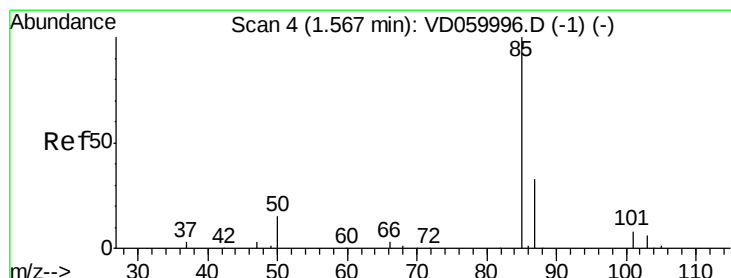
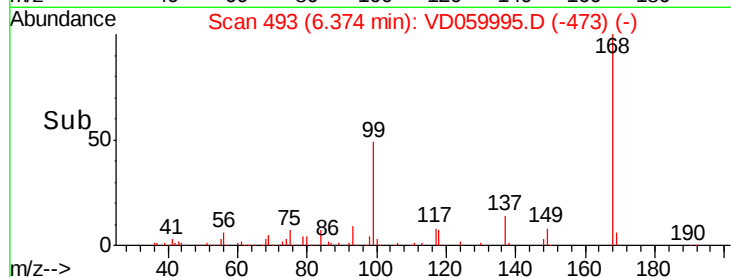
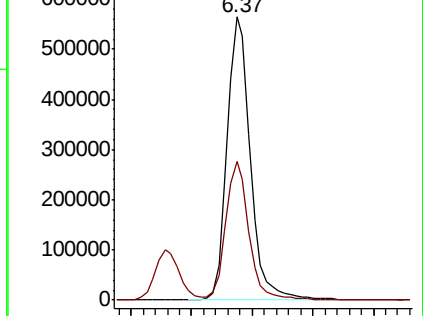
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.22 ug/l m

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD059995.D

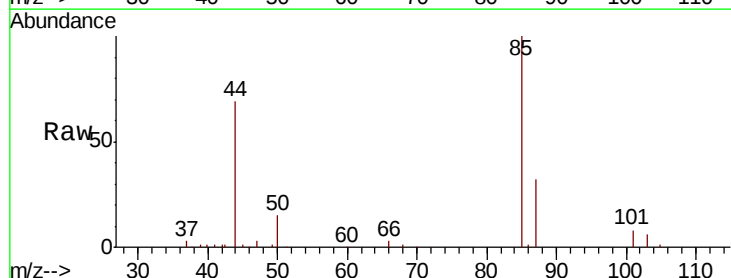
Acq: 13 Sep 2018 13:13

Tgt Ion: 85 Resp: 299737

Ion Ratio Lower Upper

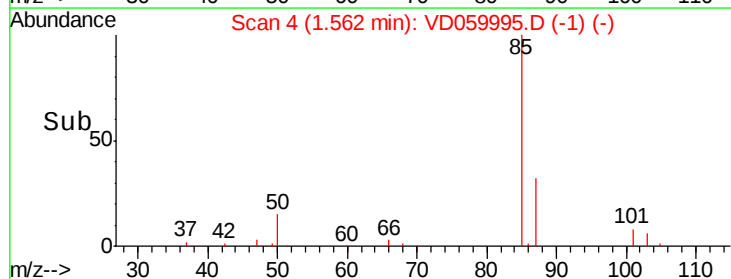
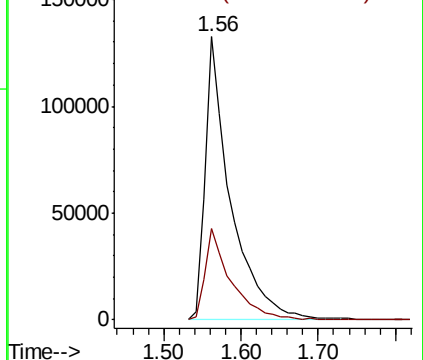
85 100

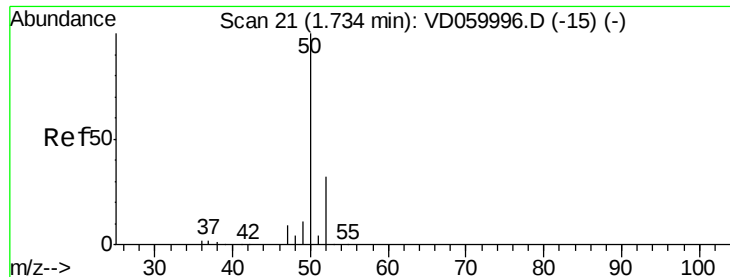
87 32.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.34 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 279229

Ion Ratio Lower Upper

50 100

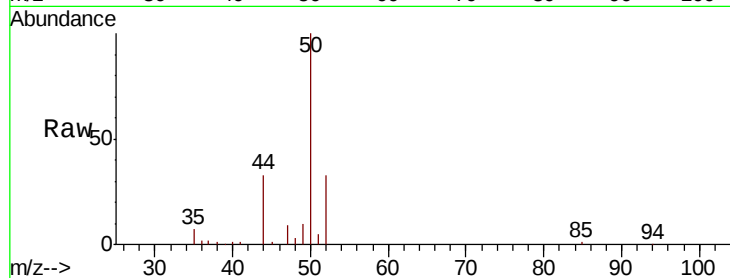
52 33.0 25.4 38.2

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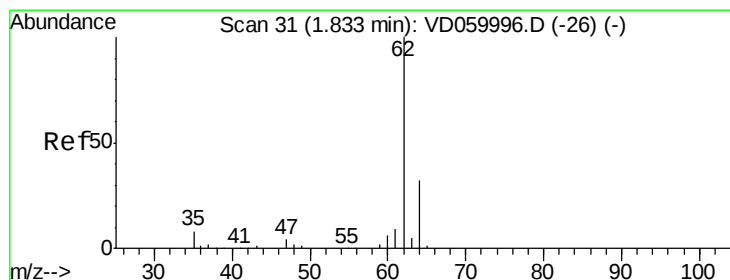
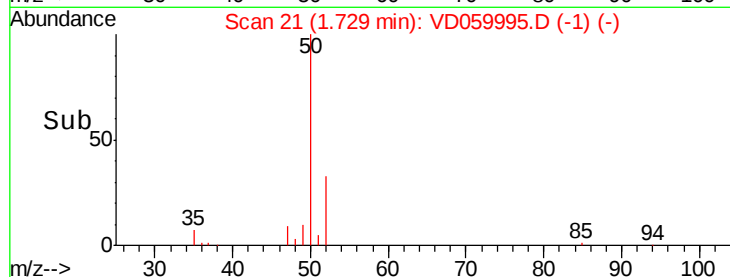
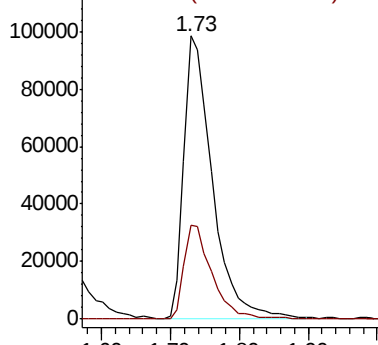
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.52 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD059995.D

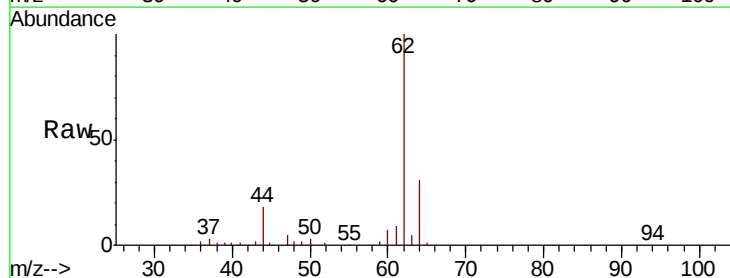
Acq: 13 Sep 2018 13:13

Tgt Ion: 62 Resp: 221922

Ion Ratio Lower Upper

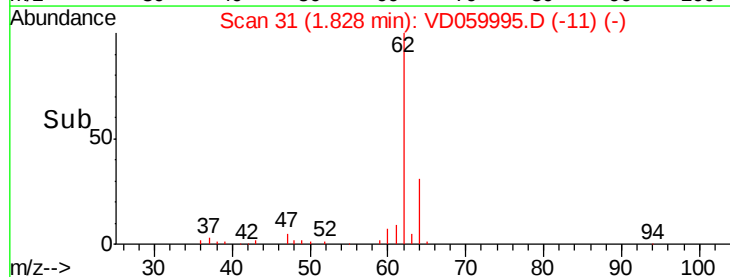
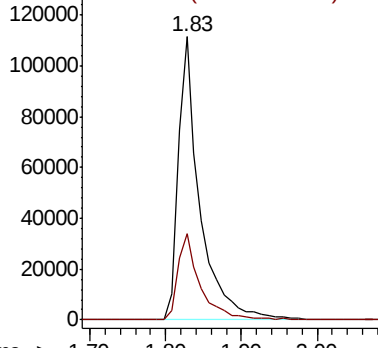
62 100

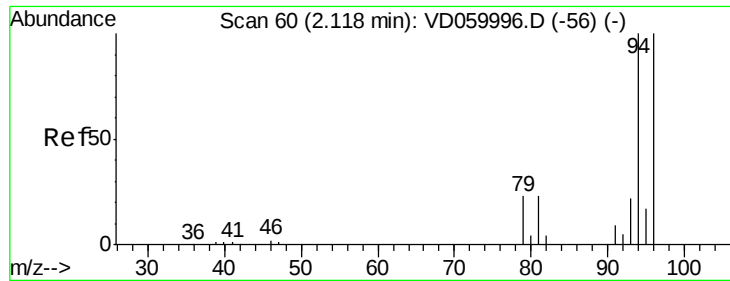
64 30.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.97 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 18902

Ion Ratio Lower Upper

94 100

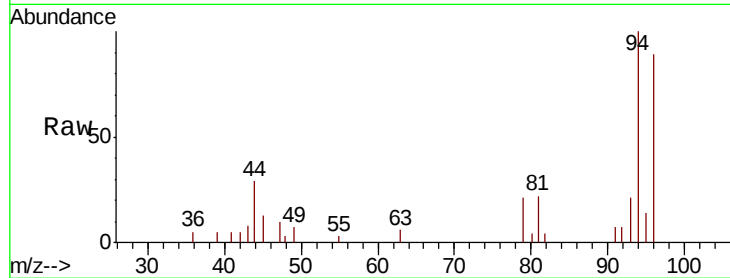
96 88.5 79.8 119.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

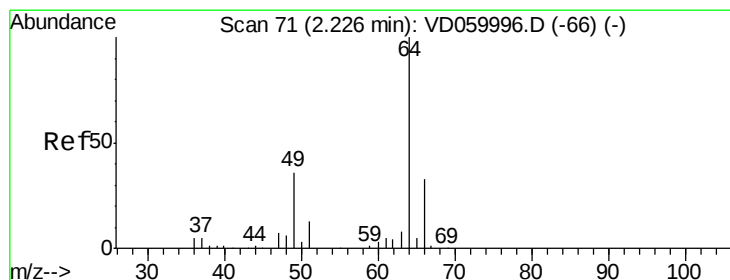
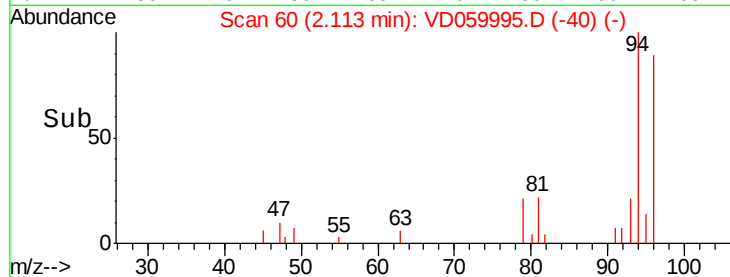
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 14.71 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.01 min

Lab File: VD059995.D

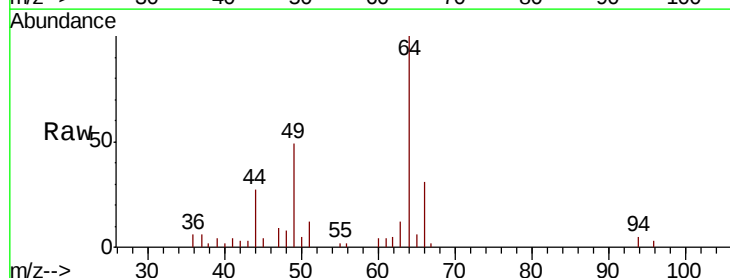
Acq: 13 Sep 2018 13:13

Tgt Ion: 64 Resp: 44553

Ion Ratio Lower Upper

64 100

66 30.9 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

20000

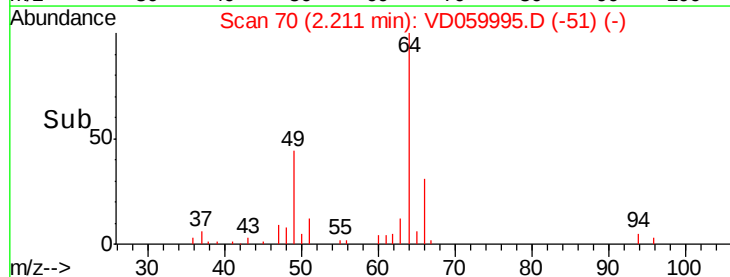
15000

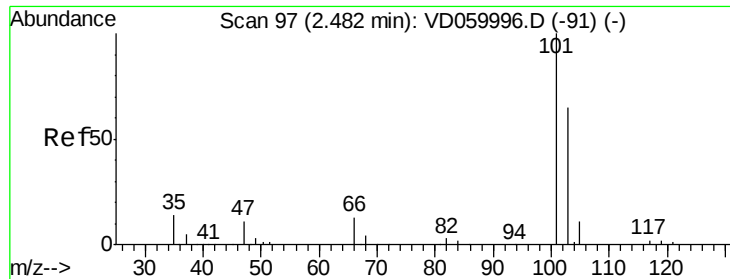
10000

5000

0

Time-->





#7

Trichlorofluoromethane

Concen: 20.35 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion:101 Resp: 234201

Ion Ratio Lower Upper

101 100

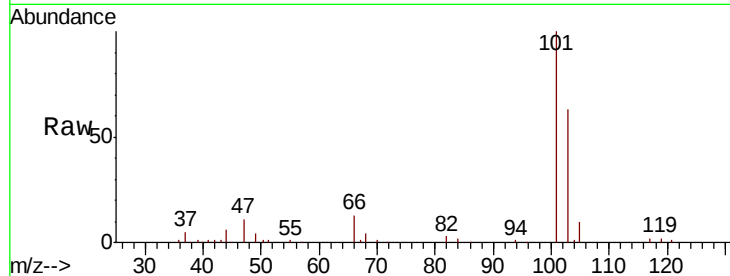
103 62.9 51.6 77.4

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

120000

100000

80000

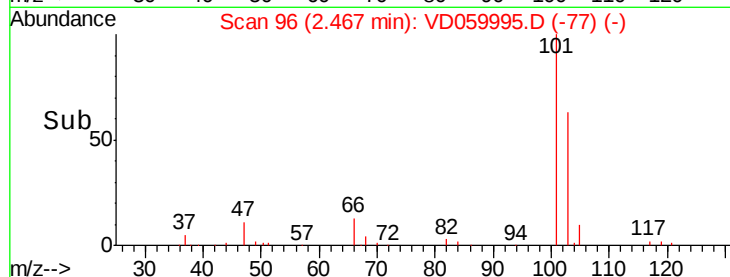
60000

40000

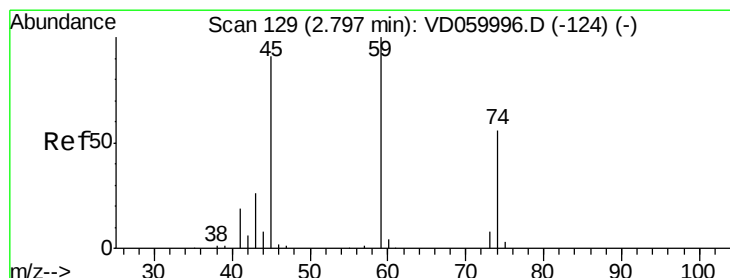
20000

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Time-->



Time-->



#8

Diethyl Ether

Concen: 20.60 ug/l

RT: 2.79 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD059995.D

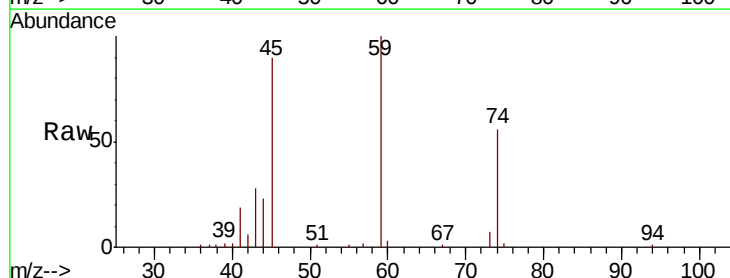
Acq: 13 Sep 2018 13:13

Tgt Ion: 74 Resp: 52219

Ion Ratio Lower Upper

74 100

45 160.8 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

40000

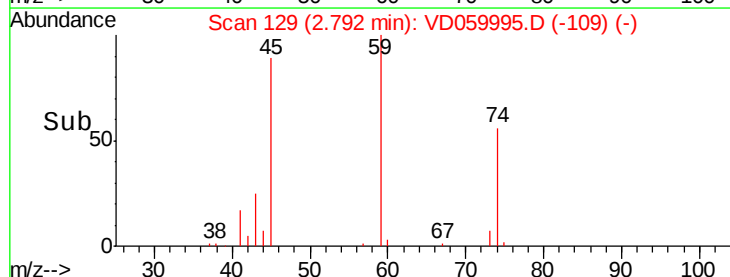
30000

20000

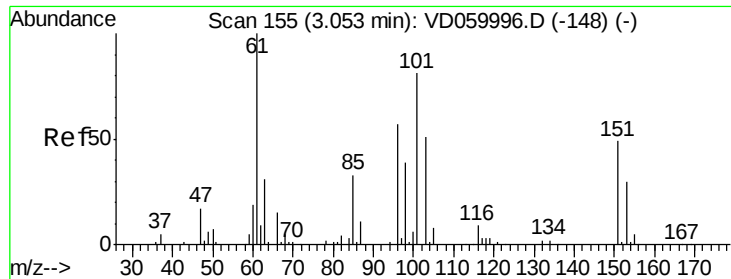
10000

0

Time-->



Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.95 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

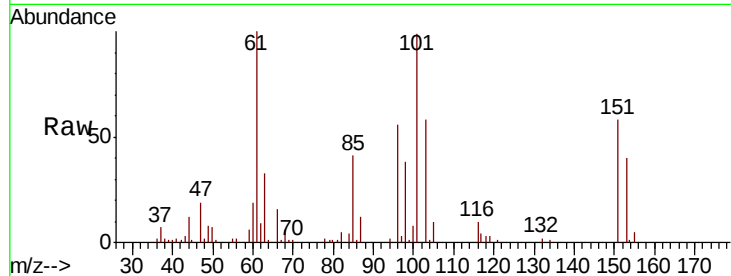
ClientSampleId :

VSTDIC020

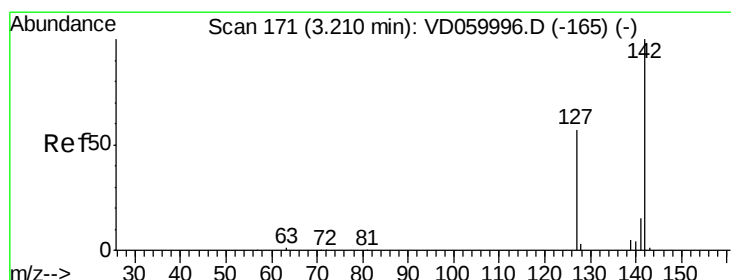
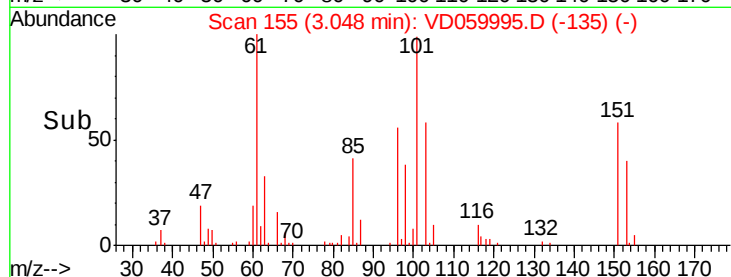
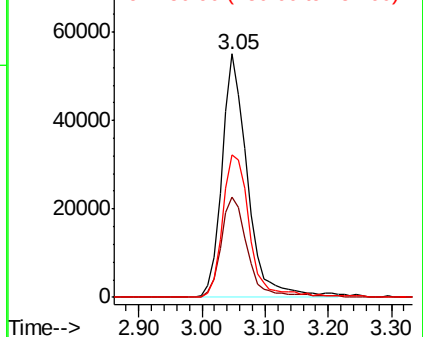
Tot Ion:	101	Resp:	155167
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.1	49.7
151	58.6	48.2	72.4

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.97 ug/l

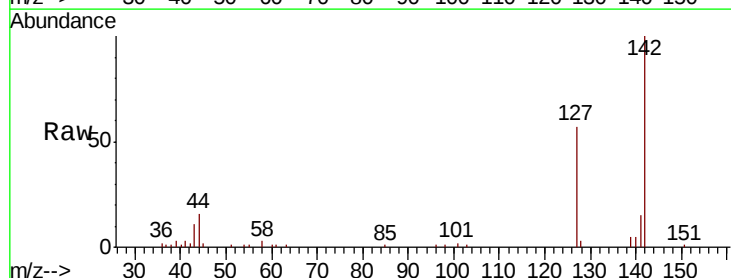
RT: 3.21 min Scan# 171

Delta R.T. -0.00 min

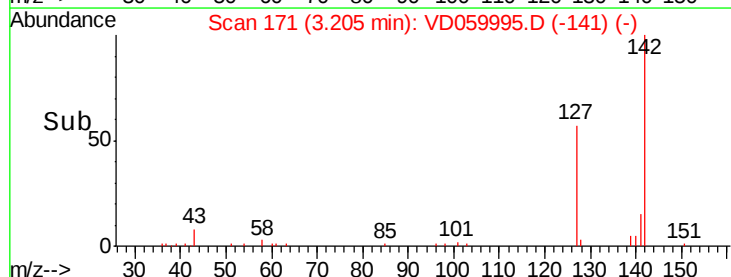
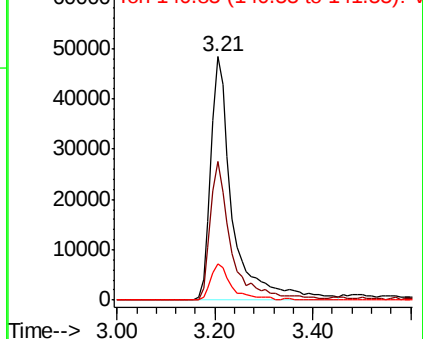
Lab File: VD059995.D

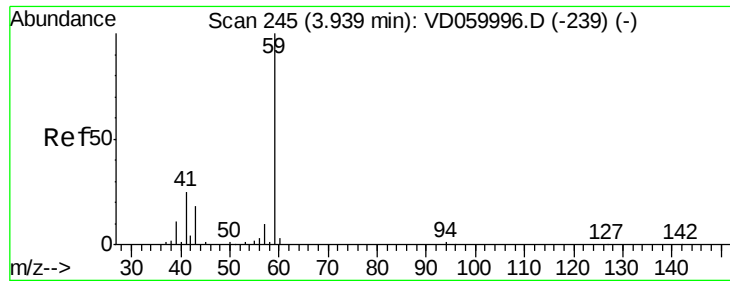
Acq: 13 Sep 2018 13:13

Tgt Ion:	142	Resp:	150151
Ion Ratio	Lower	Upper	
142	100		
127	56.9	45.8	68.8
141	15.0	12.2	18.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





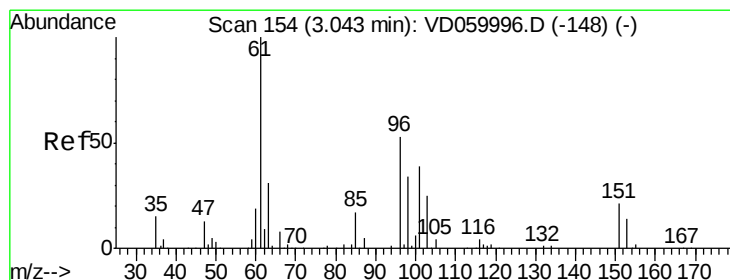
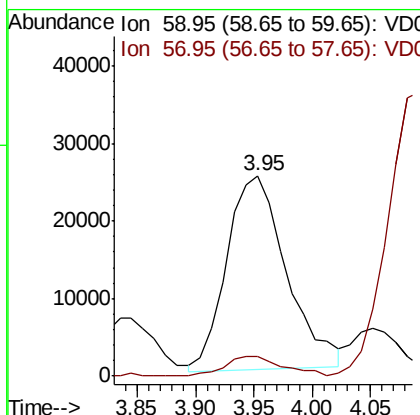
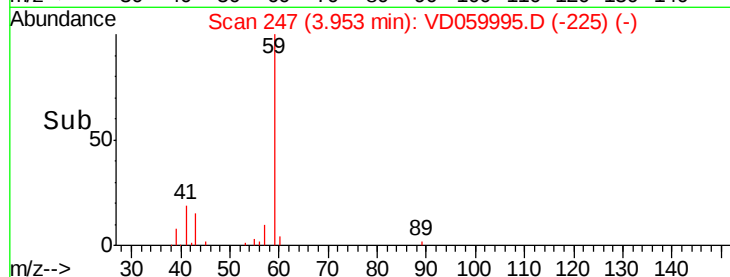
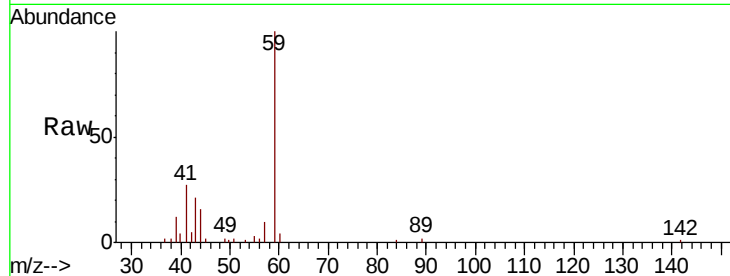
#11
Tert butyl alcohol
Concen: 92.69 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	Lower	Upper
59	100				
57	10.0			7.4	11.2

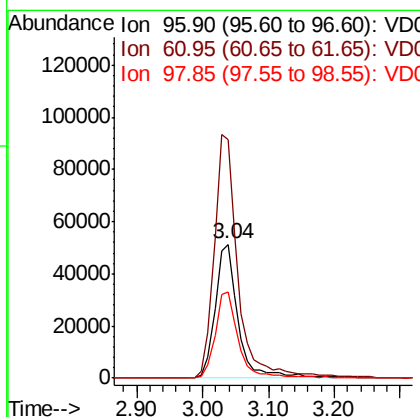
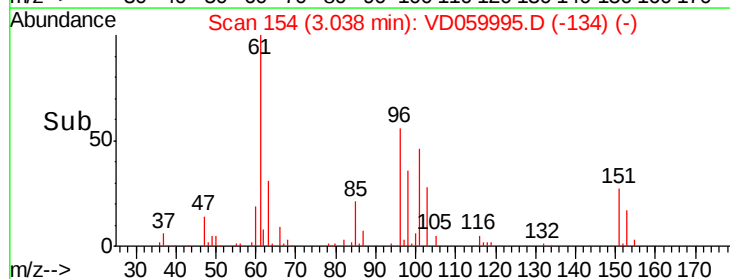
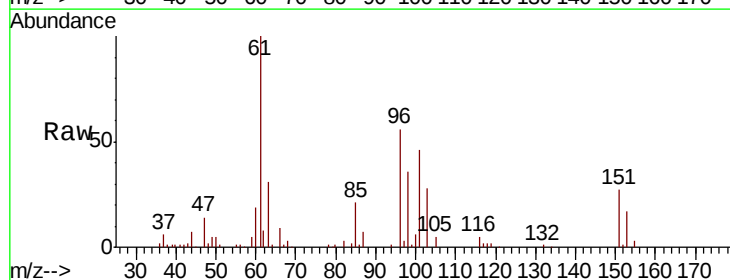
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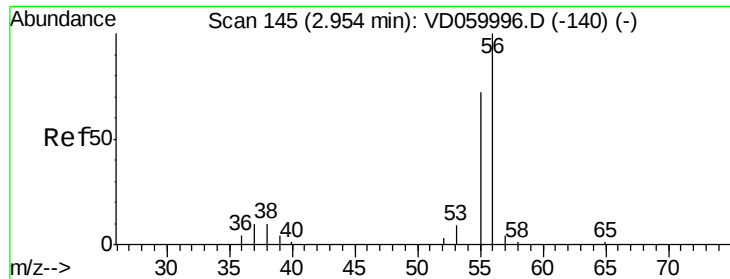
apatel
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#12
1,1-Dichloroethene
Concen: 22.51 ug/l
RT: 3.04 min Scan# 154
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	96	61	98	Ratio	Lower	Upper
96	100					
61	178.2			149.8	224.6	
98	64.4			50.2	75.4	





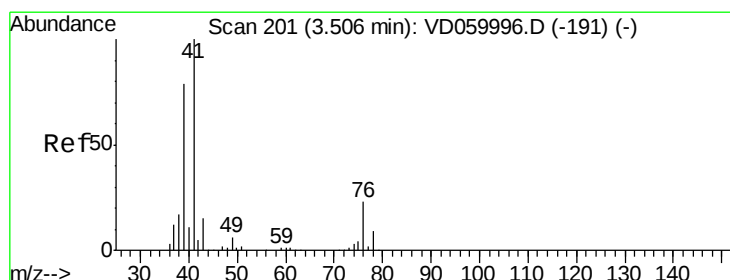
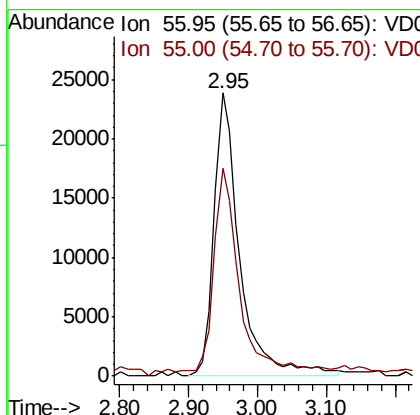
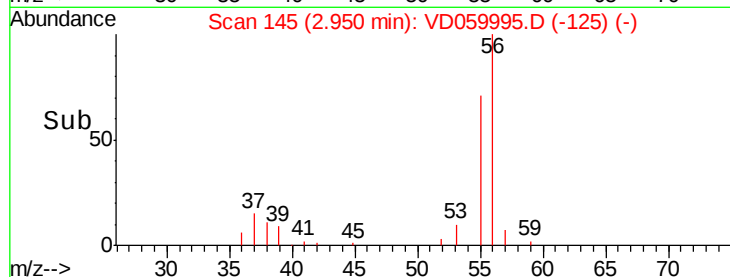
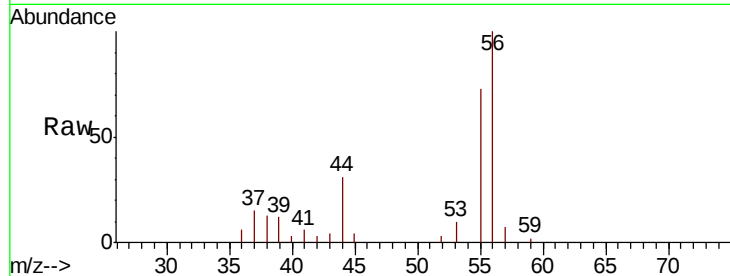
#13
Acrolein
Concen: 142.96 ug/l
RT: 2.95 min Scan# 145
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	58.3	87.5

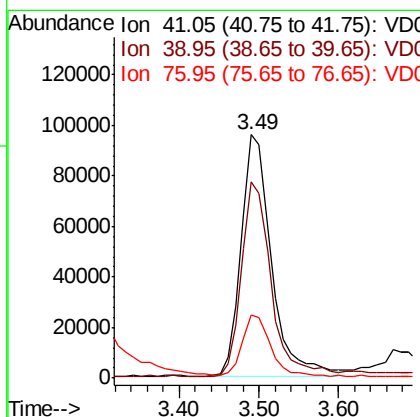
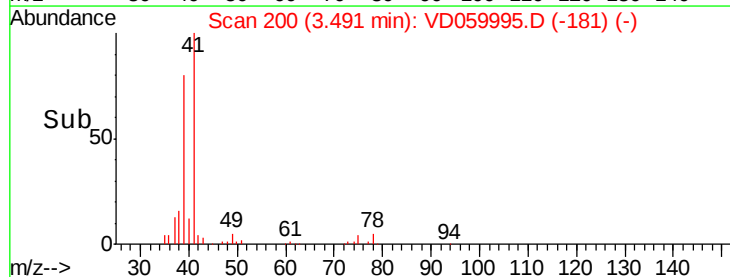
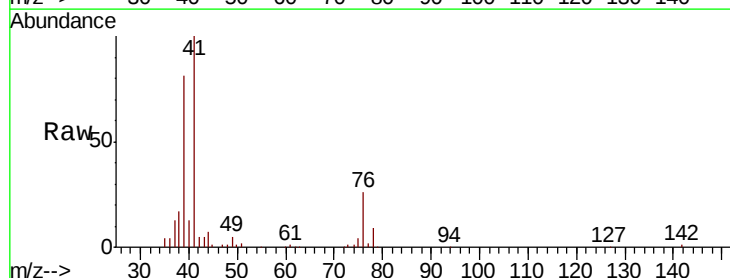
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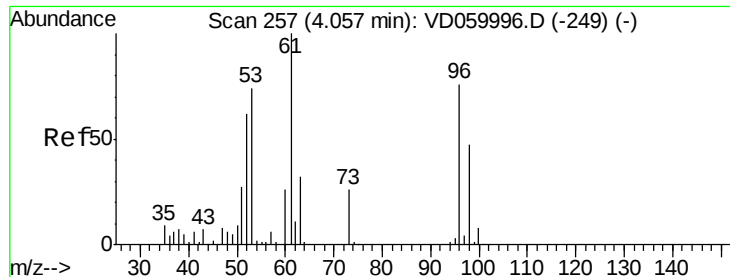
apatel
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#14
Allyl chloride
Concen: 20.69 ug/l
RT: 3.49 min Scan# 200
Delta R.T. -0.01 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.6	63.6	95.4
76	25.7	21.1	31.7





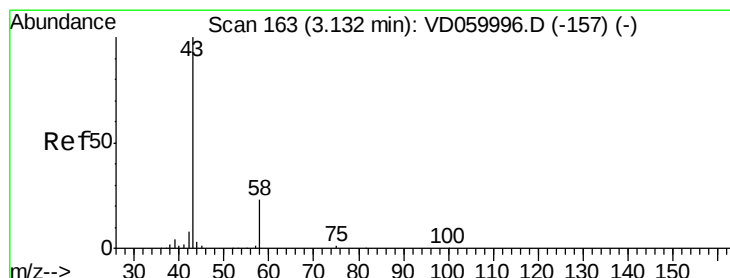
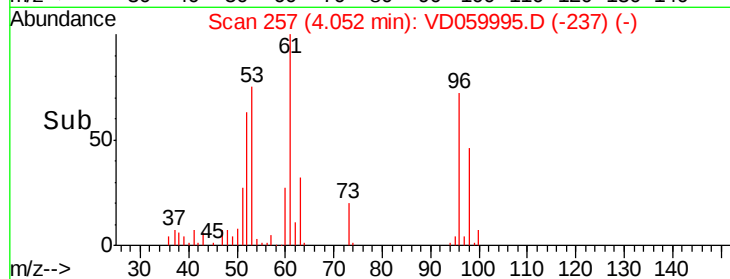
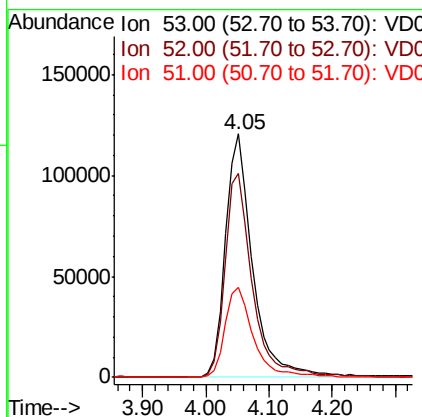
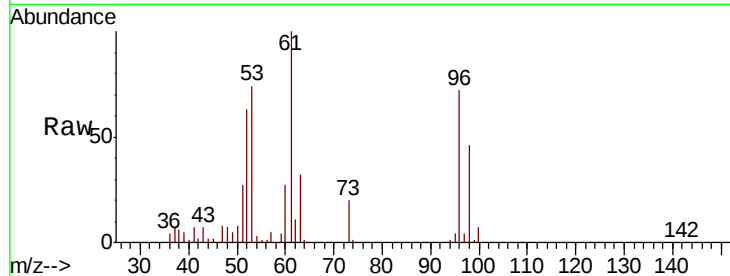
#15
 Acrylonitrile
 Concen: 99.44 ug/l
 RT: 4.05 min Scan# 257
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	53	52	51
Resp	359598	84.0	36.8
Lower		66.7	29.0
Upper		100.1	43.6

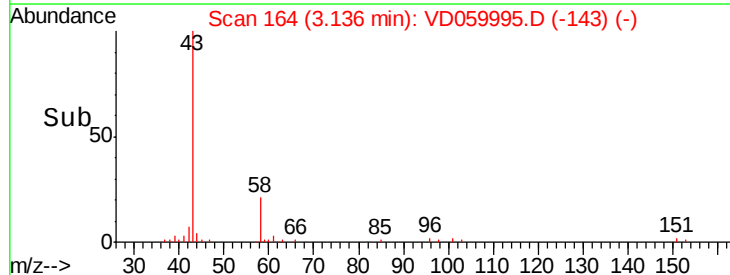
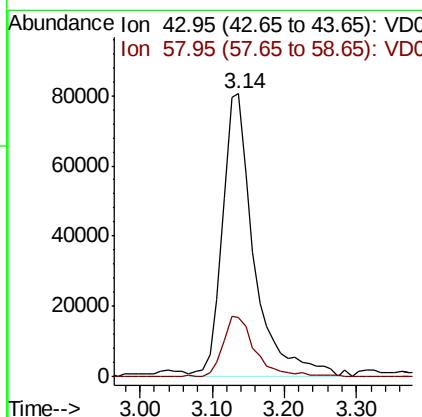
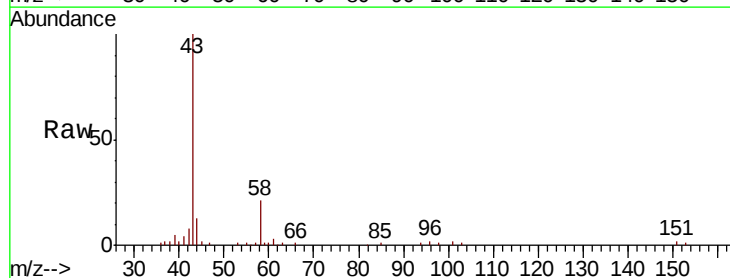
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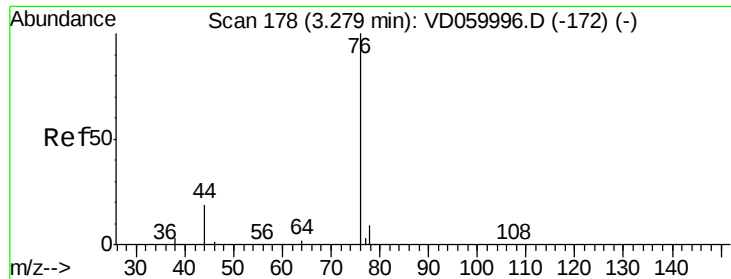
apatel
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#16
 Acetone
 Concen: 107.10 ug/l
 RT: 3.14 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	43	58
Resp	244692	20.9
Lower		18.1
Upper		27.1





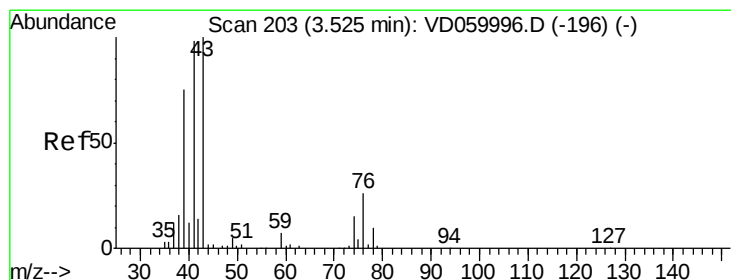
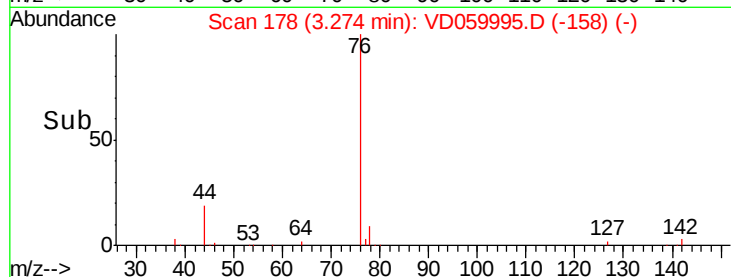
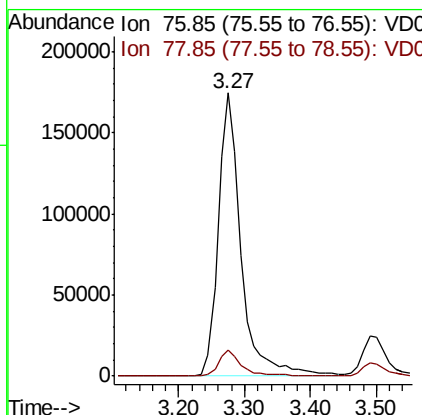
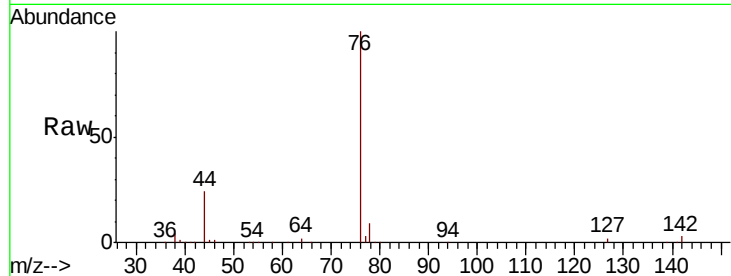
#17
Carbon Disulfide
Concen: 24.09 ug/l
RT: 3.27 min Scan# 178
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

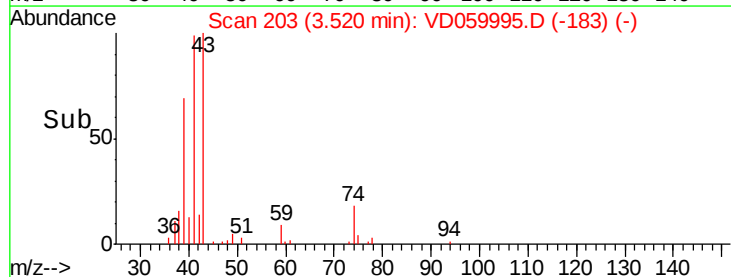
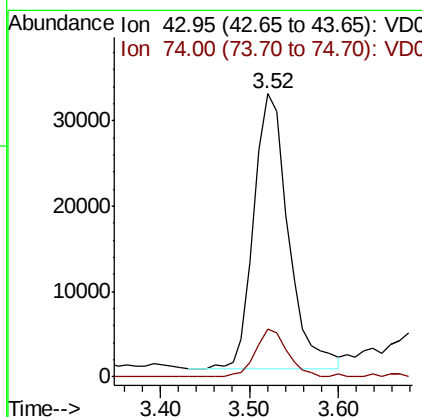
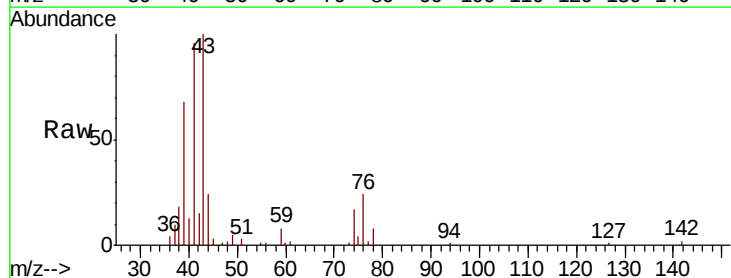
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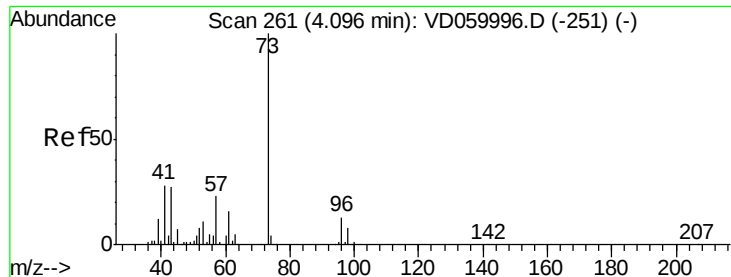
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#18
Methyl Acetate
Concen: 18.03 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.9	11.8	17.8





#19

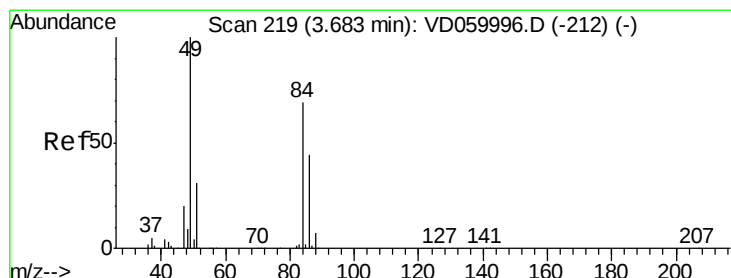
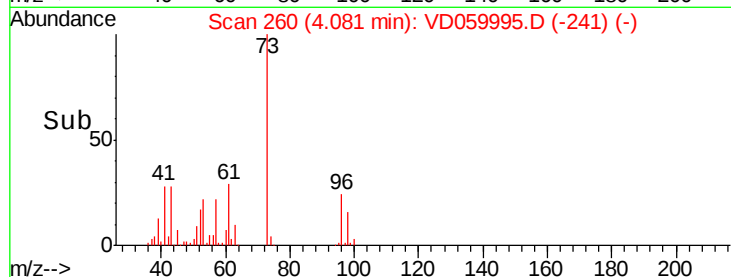
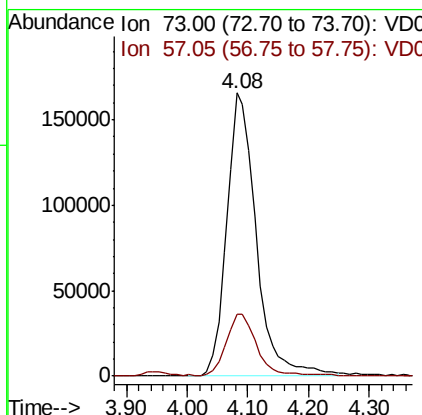
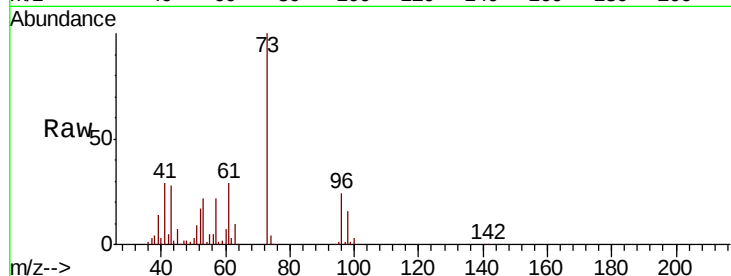
Methyl tert-butyl Ether
 Concen: 18.91 ug/l
 RT: 4.08 min Scan# 260
 Delta R.T. -0.01 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.4	27.6

Manual Integrations
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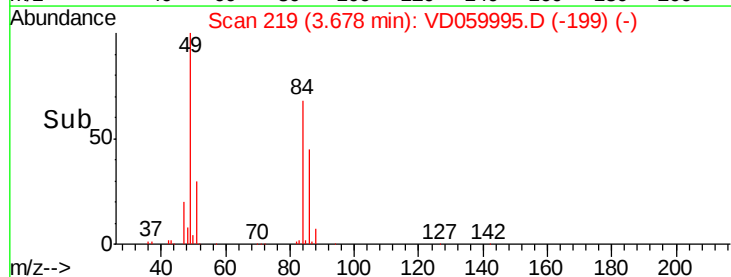
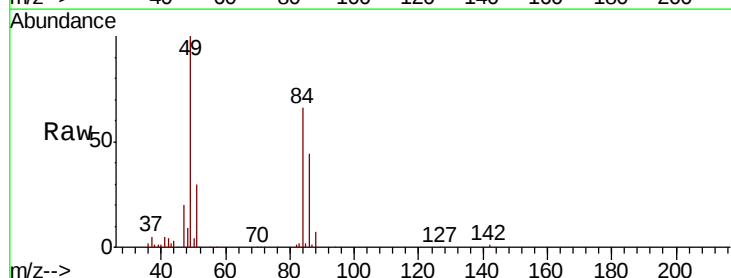
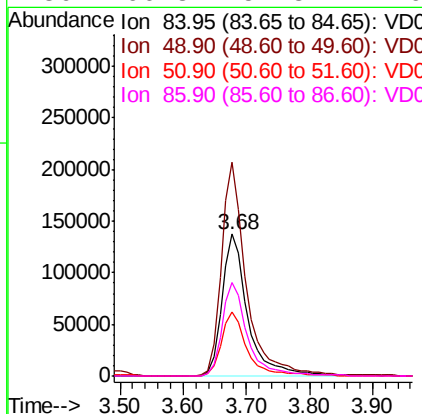
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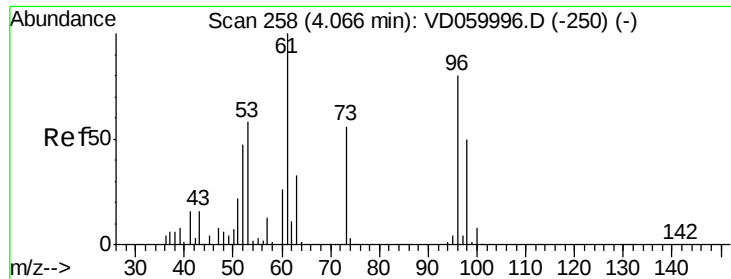


#20

Methylene Chloride
 Concen: 20.77 ug/l
 RT: 3.68 min Scan# 219
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.6	116.6	175.0
51	45.0	35.9	53.9
86	66.3	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 21.62 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 324731

Ion Ratio Lower Upper

96 100

61 138.7 100.1 150.1

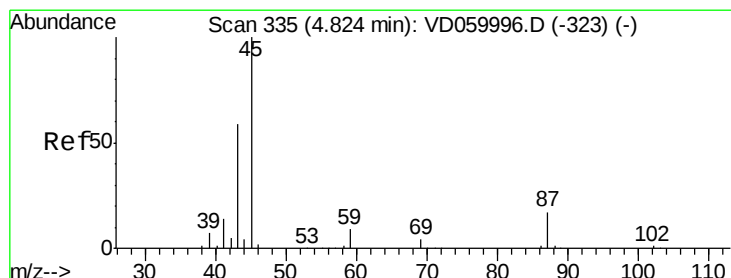
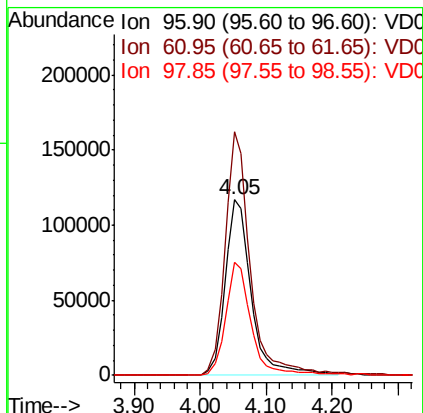
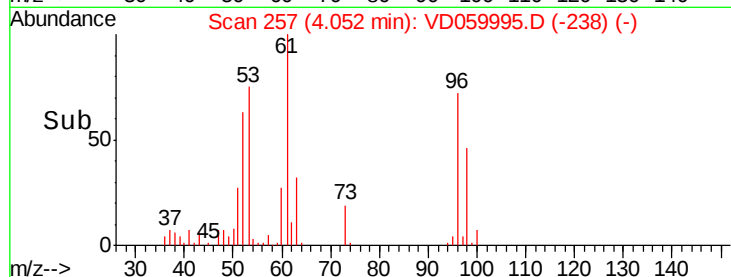
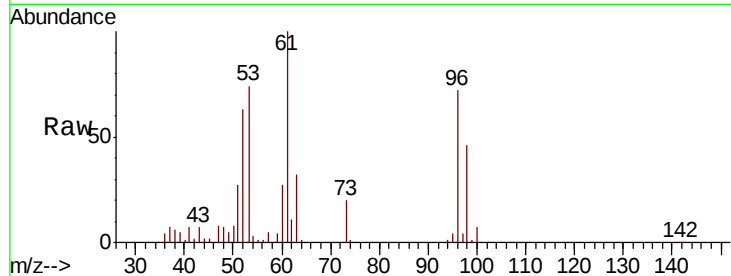
98 64.1 49.5 74.3

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#22

Diisopropyl ether

Concen: 19.66 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion: 45 Resp: 1202679

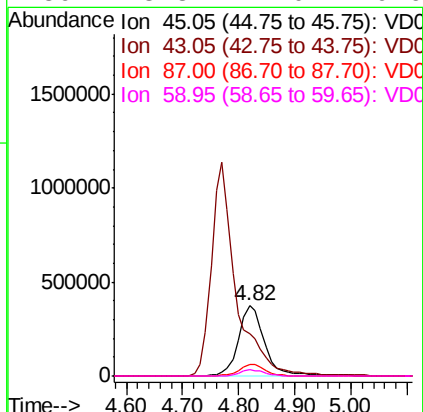
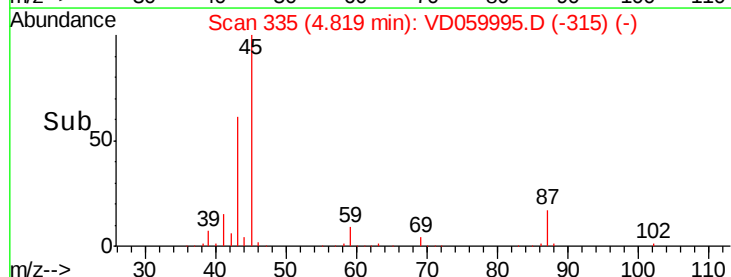
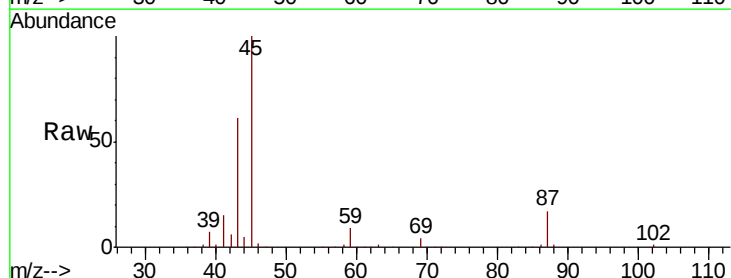
Ion Ratio Lower Upper

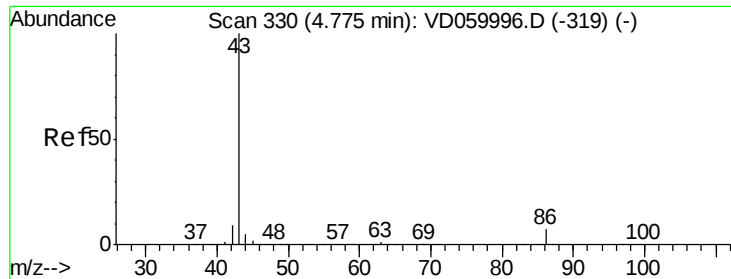
45 100

43 60.8 47.1 70.7

87 16.8 14.2 21.2

59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 102.22 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 3492509

Ion Ratio Lower Upper

43 100

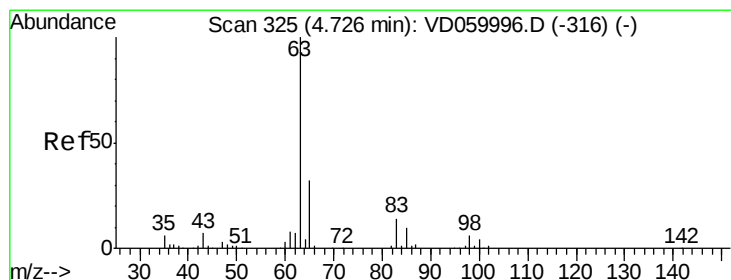
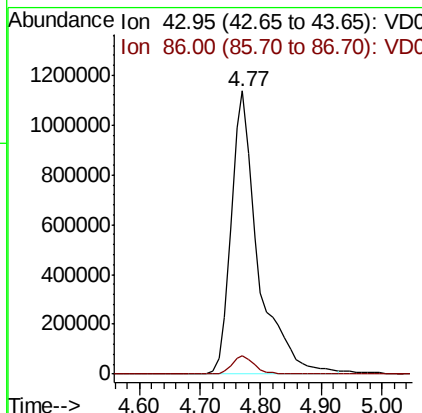
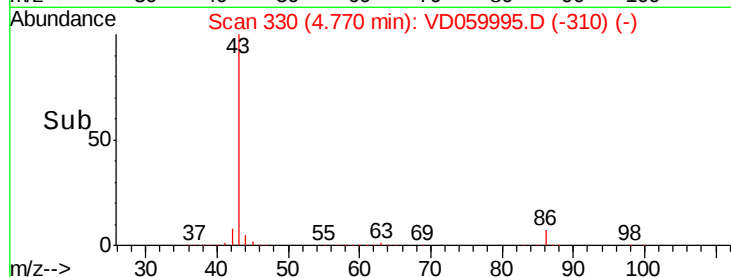
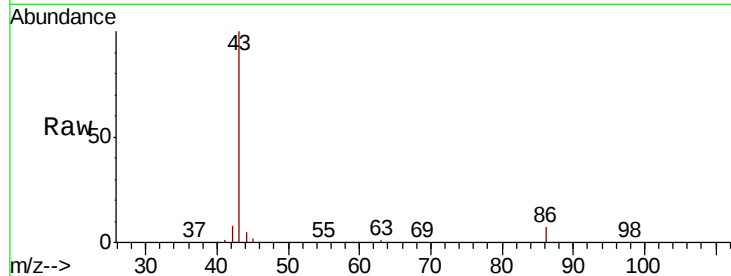
86 6.6 5.5 8.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.81 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

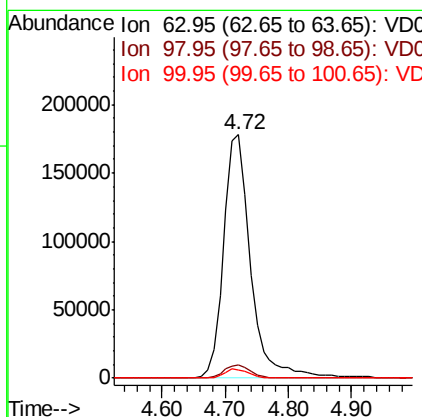
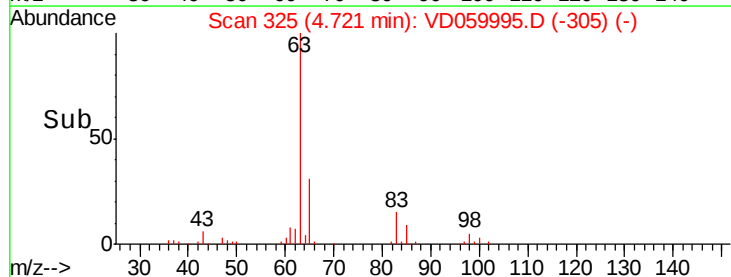
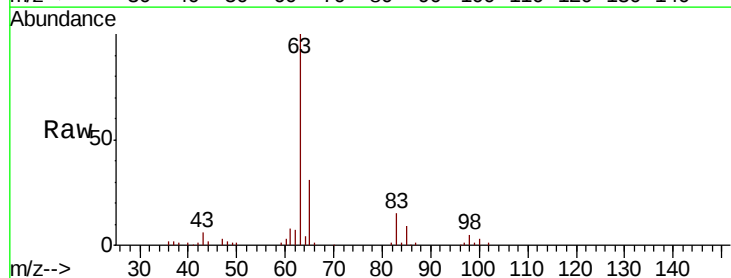
Tgt Ion: 63 Resp: 527977

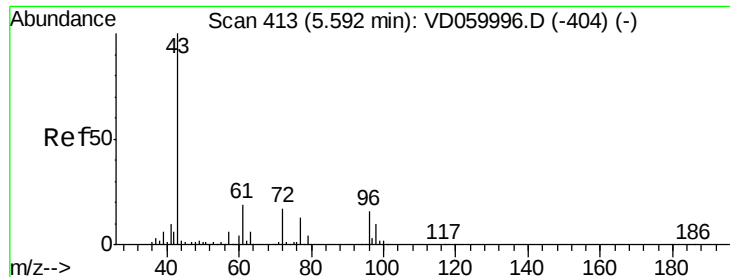
Ion Ratio Lower Upper

63 100

98 5.2 2.9 8.6

100 3.3 1.8 5.4





#25

2-Butanone

Concen: 107.04 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 706263

Ion Ratio Lower Upper

43 100

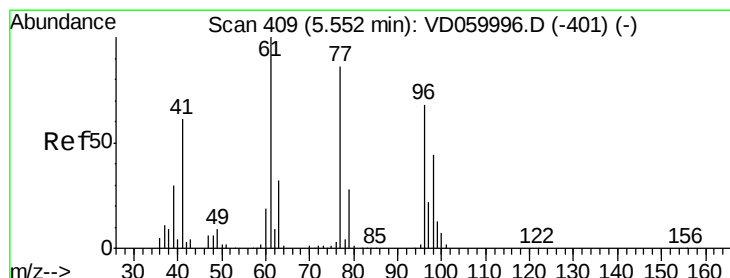
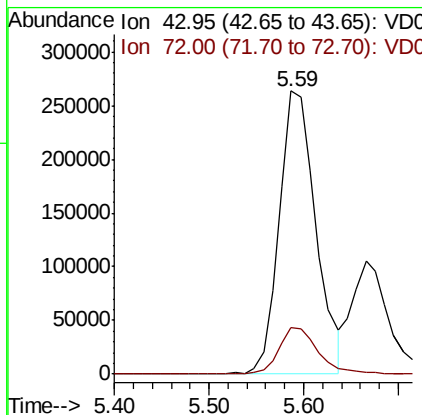
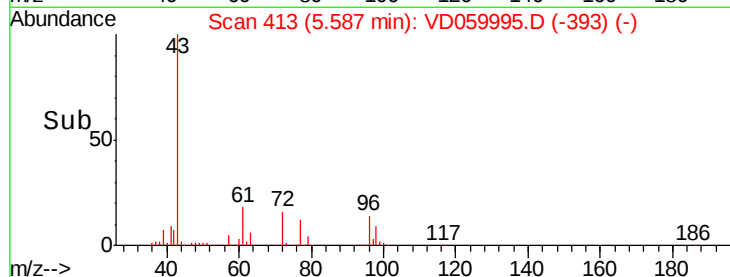
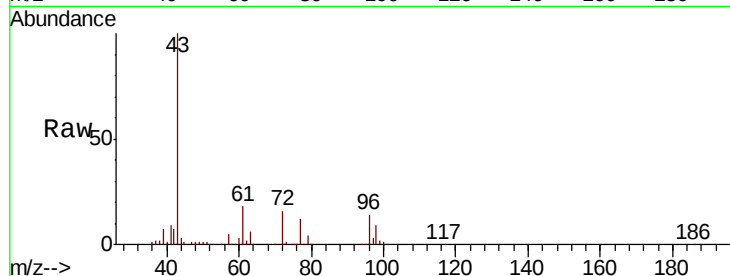
72 16.2 13.6 20.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.03 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD059995.D

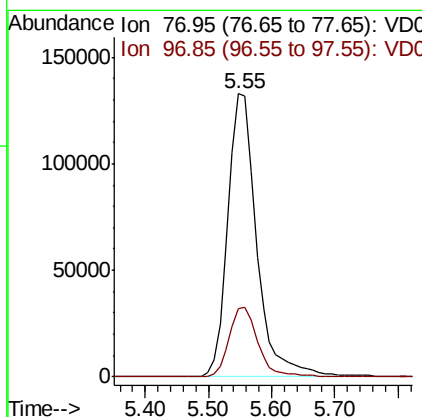
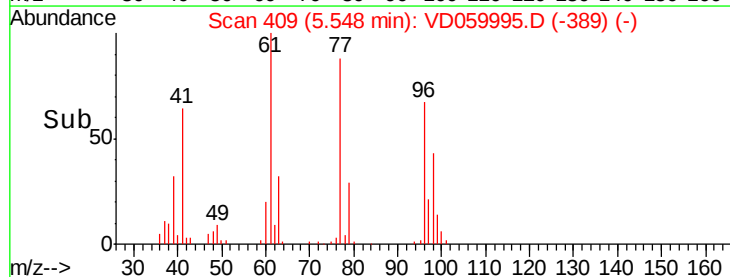
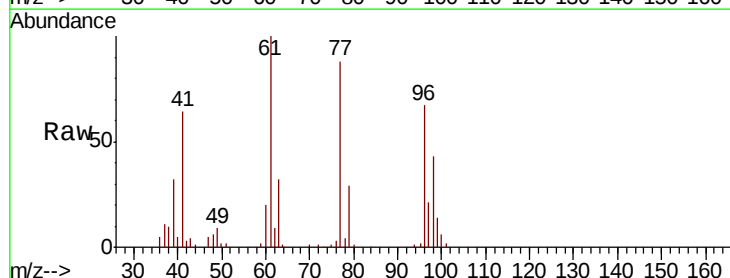
Acq: 13 Sep 2018 13:13

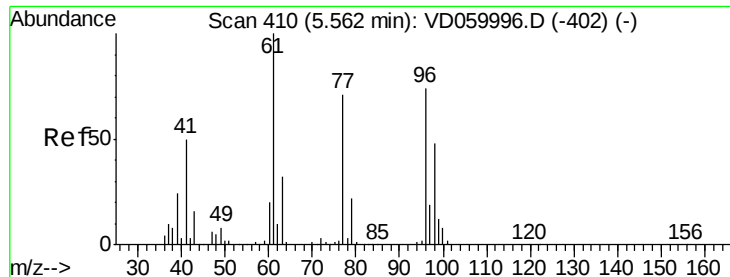
Tgt Ion: 77 Resp: 421225

Ion Ratio Lower Upper

77 100

97 24.0 12.7 38.1





#27

cis-1,2-Dichloroethene

Concen: 21.43 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

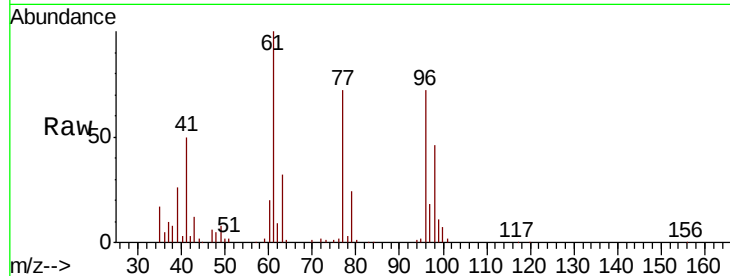
ClientSampleId :

VSTDIC020

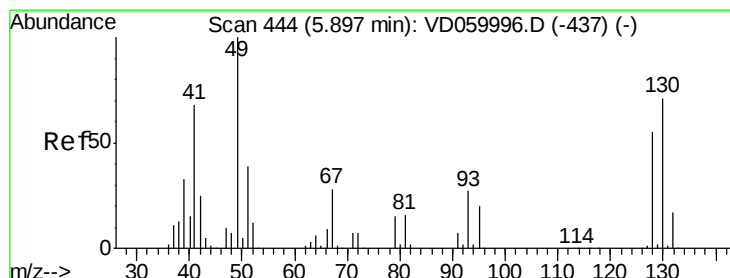
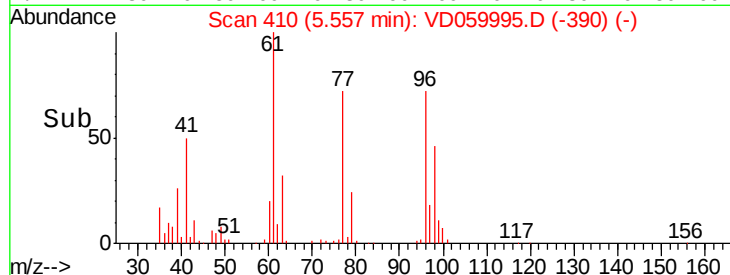
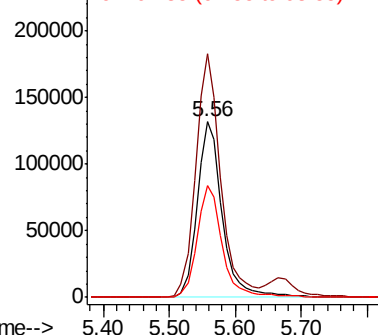
Tot Ion:	96	Resp:	348347
Ion Ratio	Lower	Upper	
96	100		
61	138.8	0.0	269.6
98	63.6	0.0	128.4

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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



#28

Bromochloromethane

Concen: 20.68 ug/l

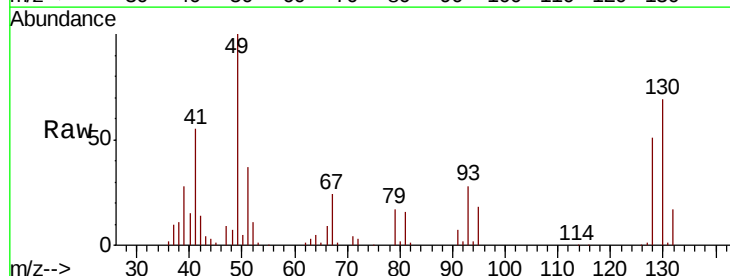
RT: 5.89 min Scan# 444

Delta R.T. -0.00 min

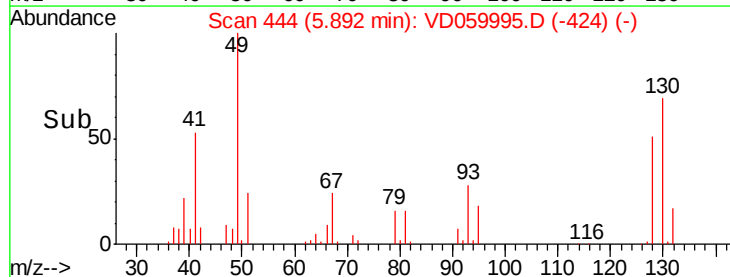
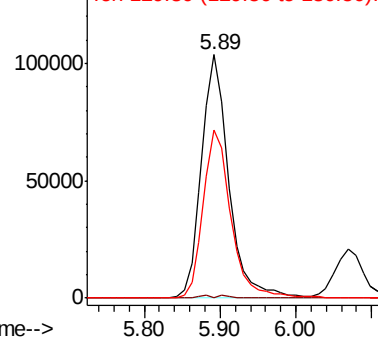
Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion:	49	Resp:	259092
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	3.6
130	69.0	57.1	85.7



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





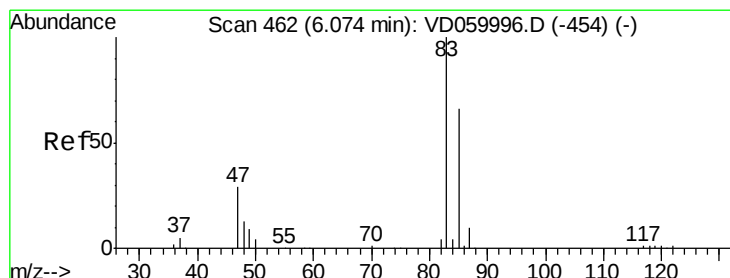
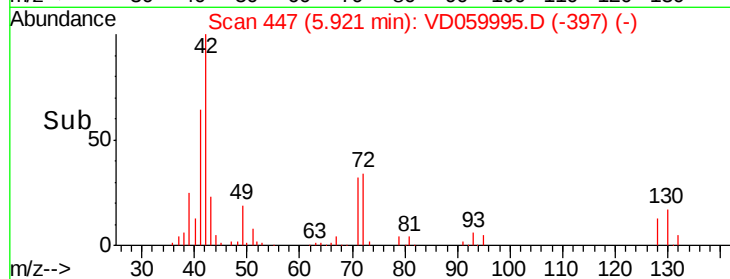
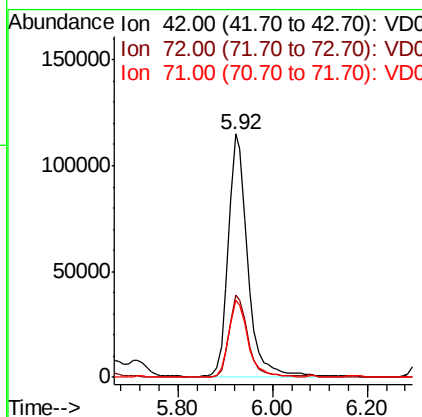
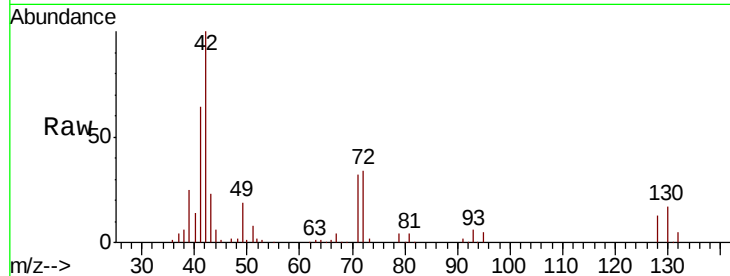
#29
Tetrahydrofuran
Concen: 100.86 ug/l
RT: 5.92 min Scan# 447
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	26.9	40.3
71	31.5	26.2	39.4

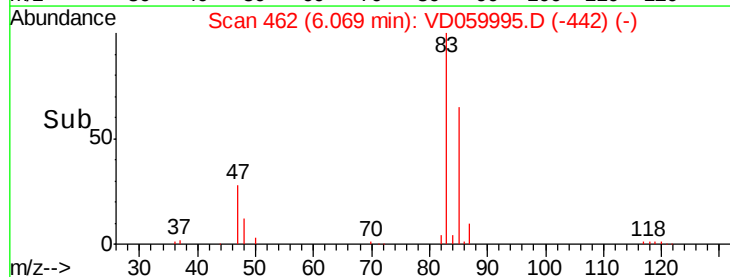
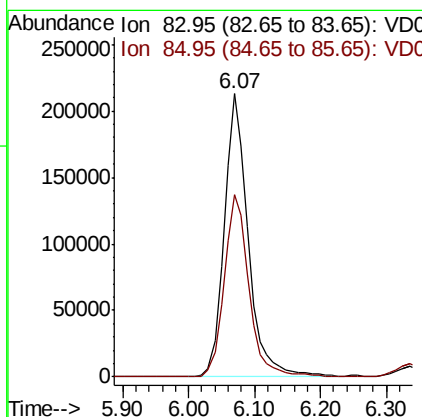
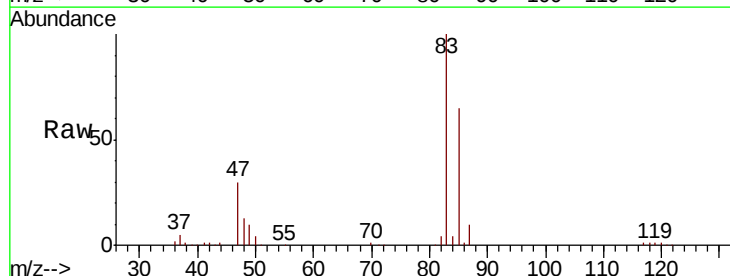
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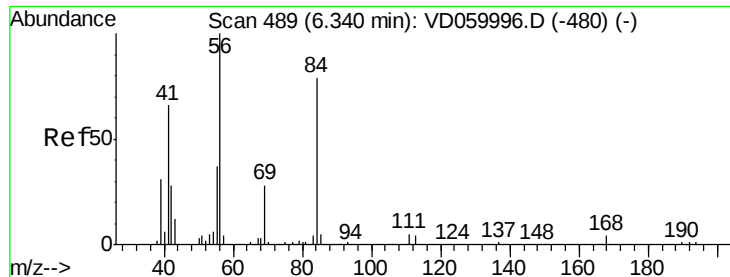
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#30
Chloroform
Concen: 19.95 ug/l
RT: 6.07 min Scan# 462
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.6	78.8





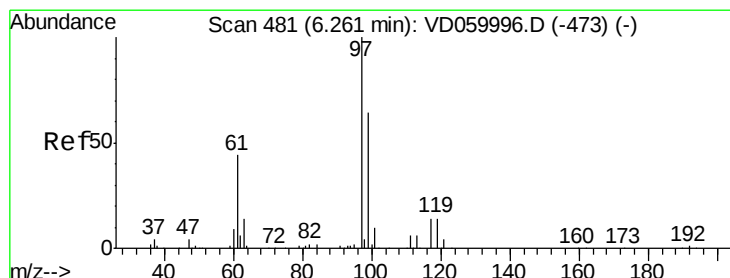
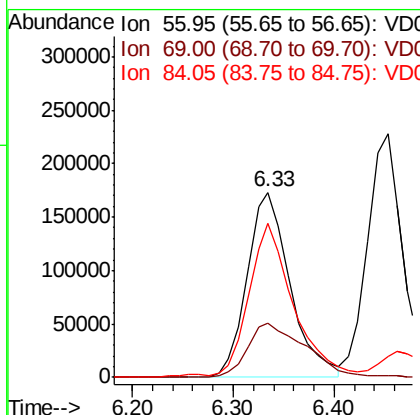
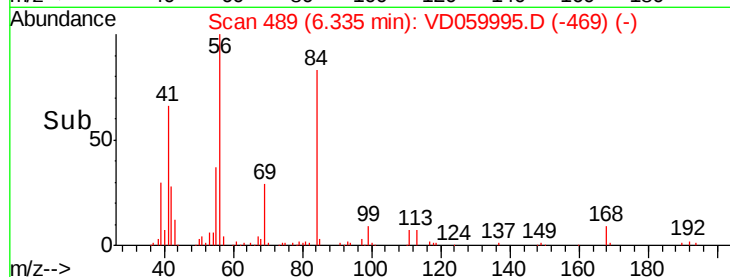
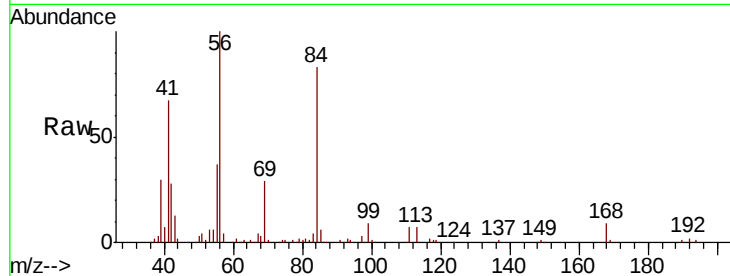
#31
Cyclohexane
Concen: 20.59 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.7	34.1
84	82.9	64.0	96.0

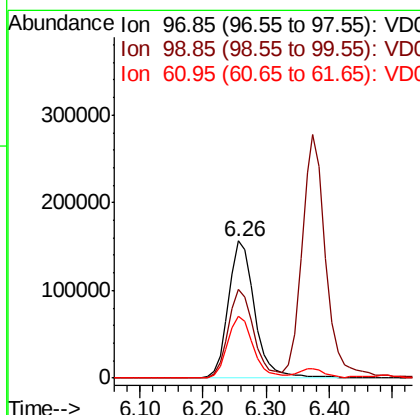
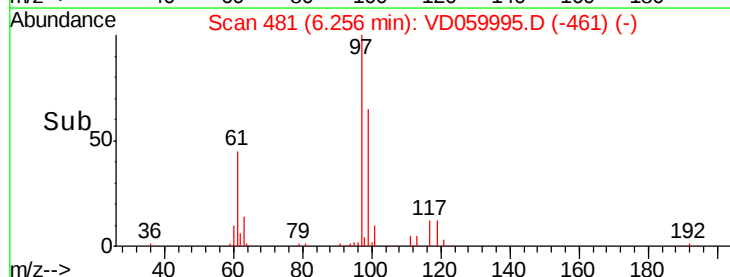
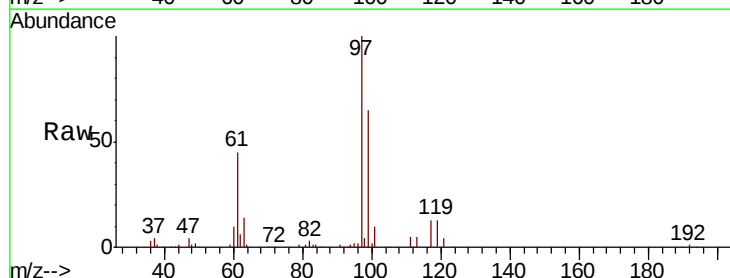
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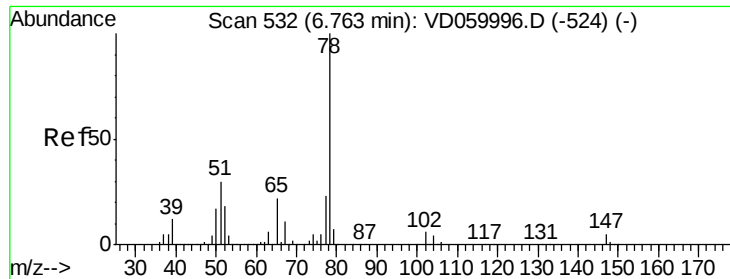
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#32
1,1,1-Trichloroethane
Concen: 19.58 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	45.2	35.5	53.3





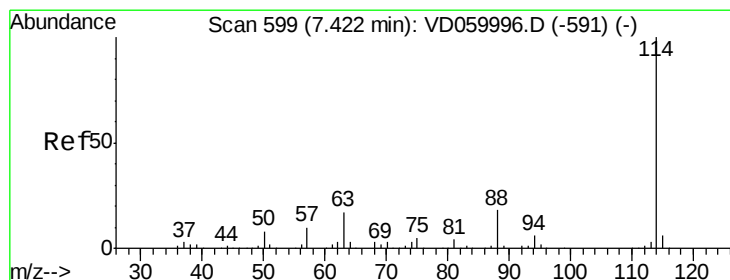
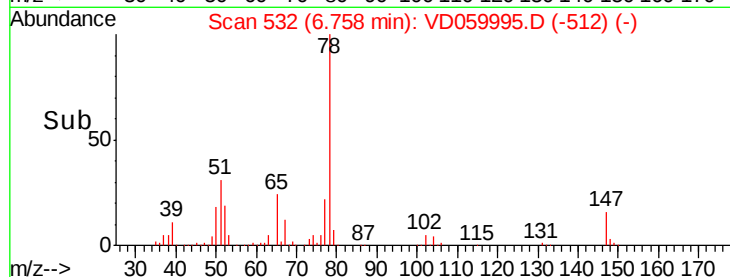
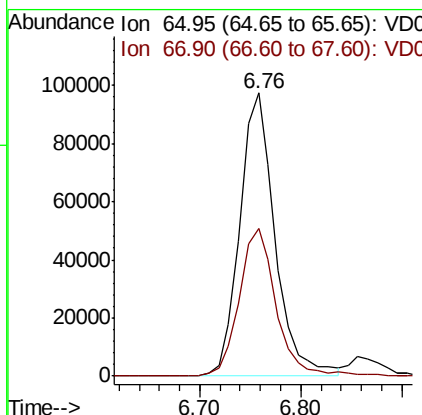
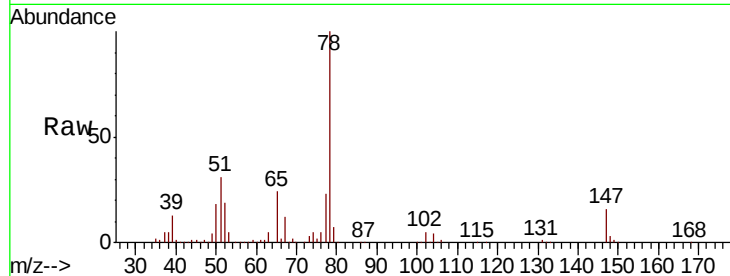
#33
 1,2-Dichloroethane-d4
 Concen: 19.58 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion: 65 Resp: 236760
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8

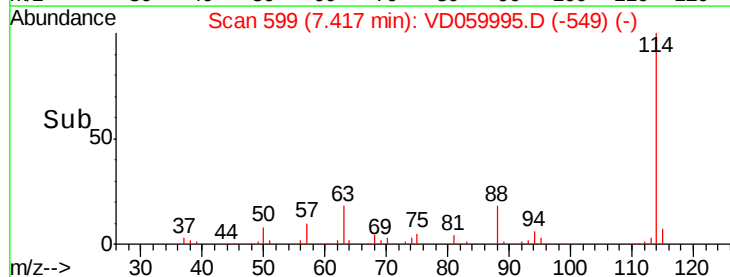
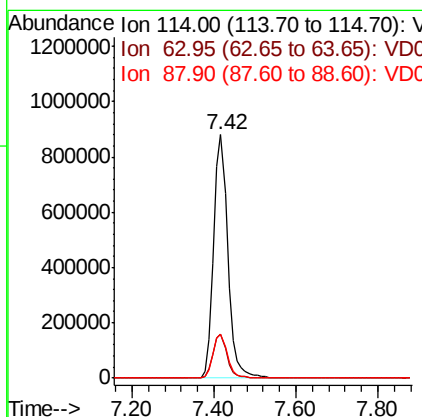
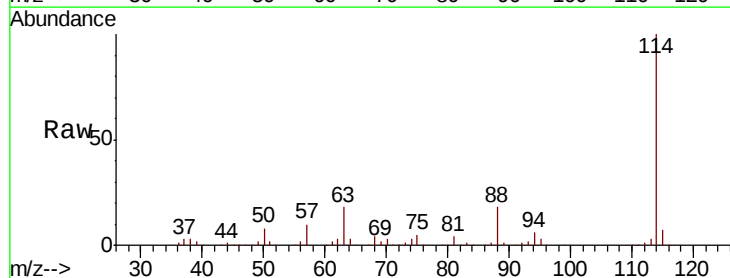
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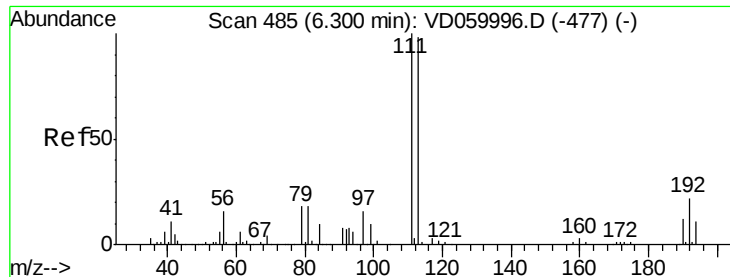
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 114 Resp: 2106051
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 34.4
 88 18.3 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

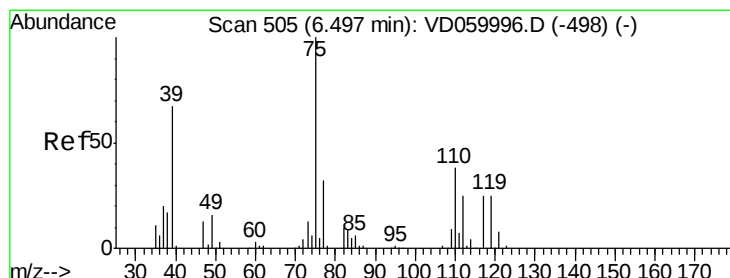
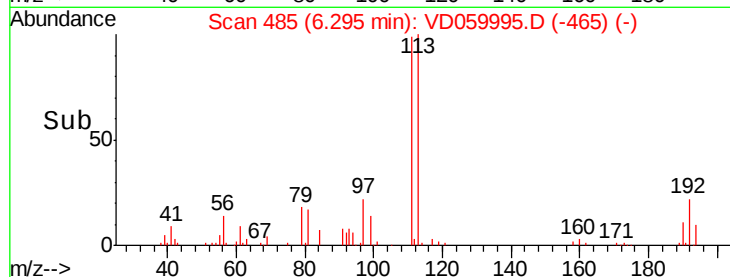
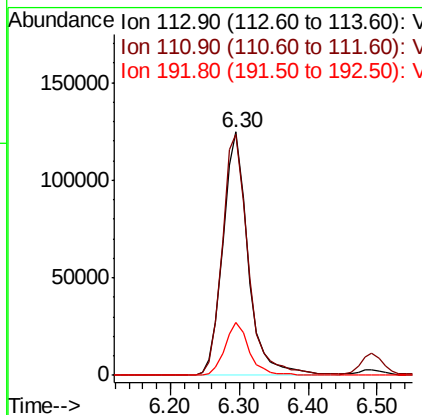
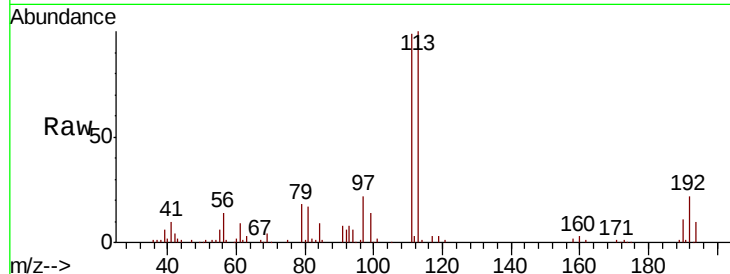
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	317203
Ion Ratio	Lower	Upper	
113	100		
111	98.9	81.3	121.9
192	21.7	18.1	27.1

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#36

1,1-Dichloropropene

Concen: 20.87 ug/l

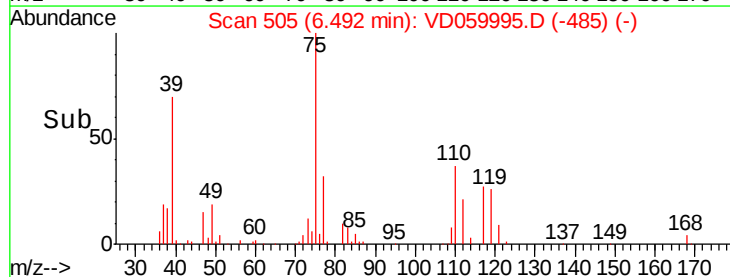
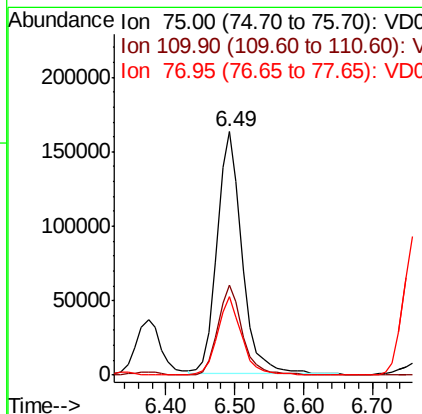
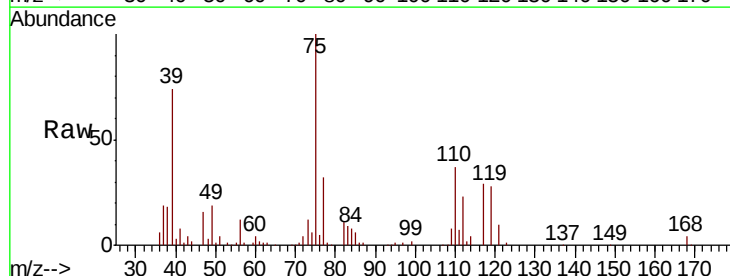
RT: 6.49 min Scan# 505

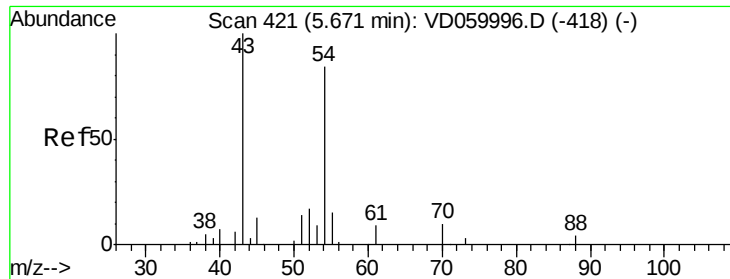
Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion:	75	Resp:	407727
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.9	56.9
77	32.0	25.3	37.9





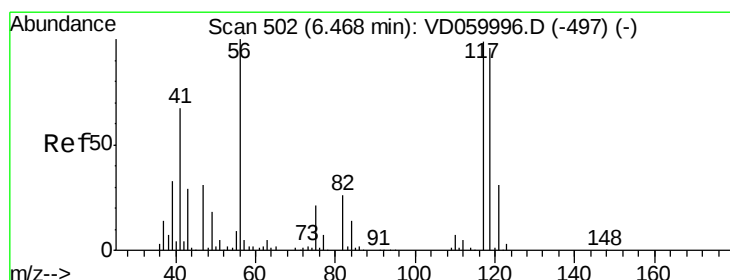
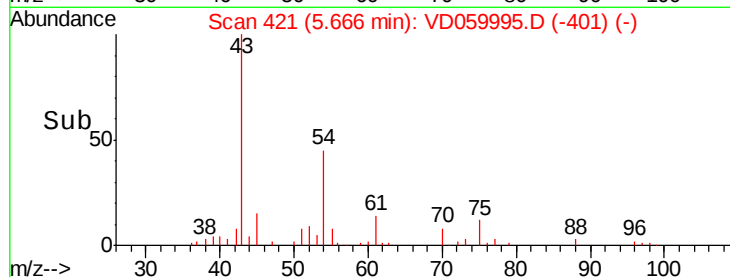
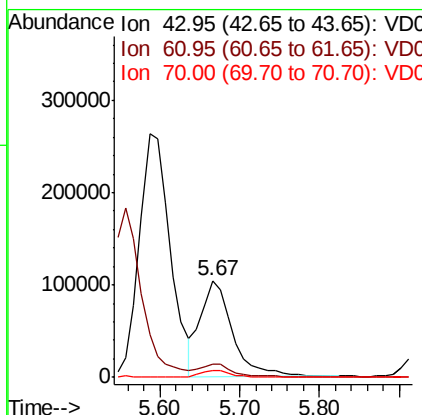
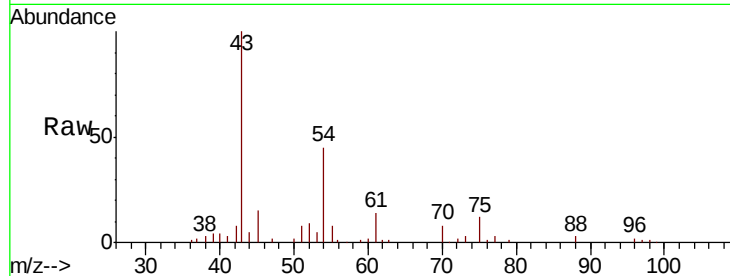
#37
Ethyl Acetate
Concen: 19.39 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	7.7	6.1	9.1

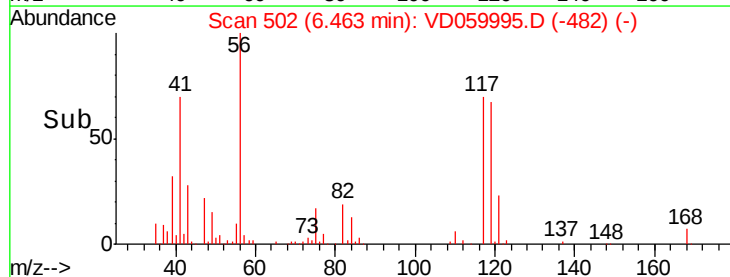
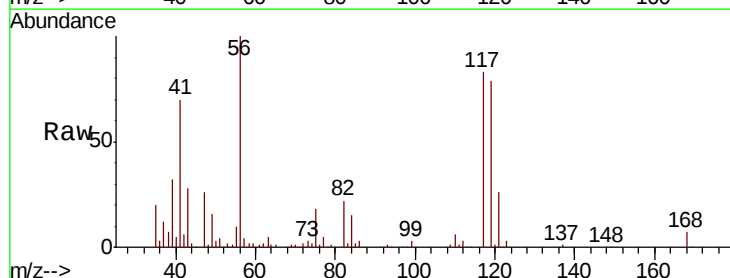
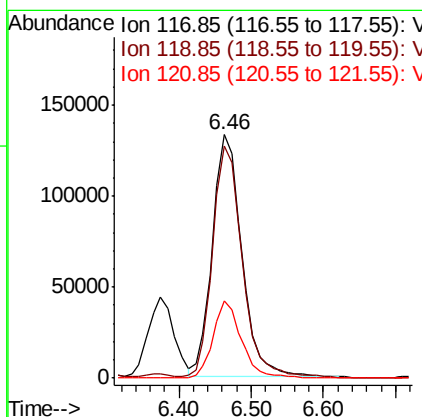
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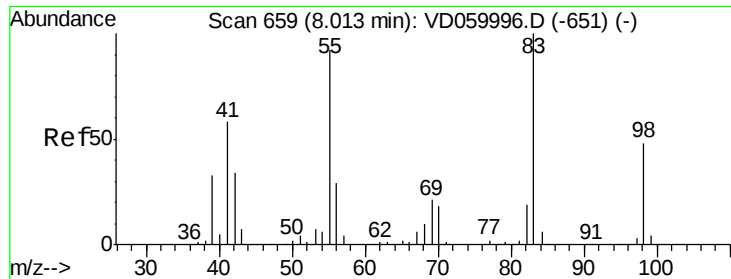
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#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 6.46 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	31.5	24.9	37.3





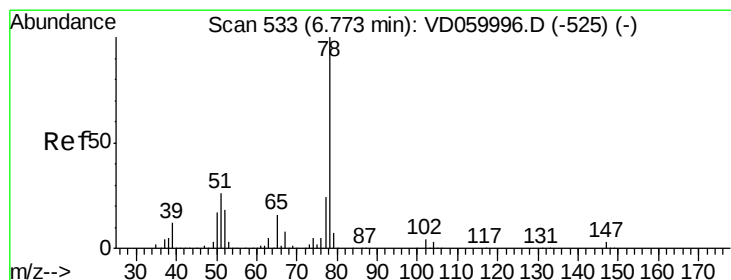
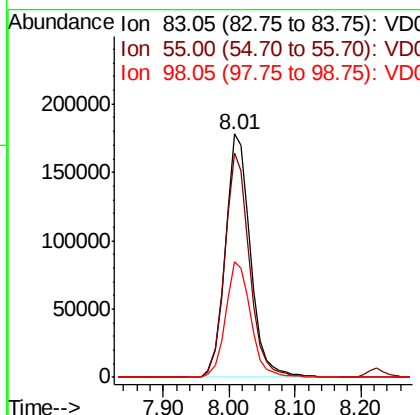
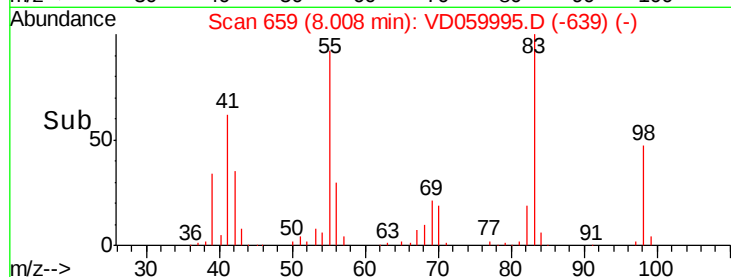
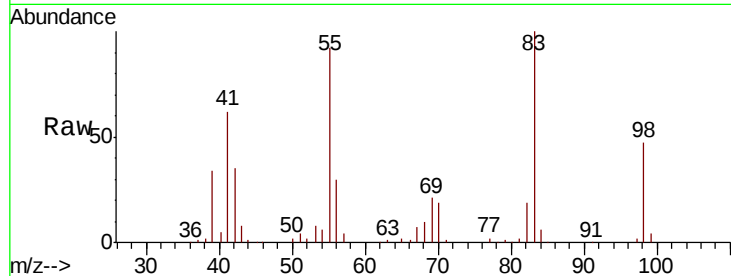
#39
Methvlcvclohexane
Concen: 22.18 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	472498
Ion Ratio	Lower	Upper	
83	100		
55	92.0	73.8	110.6
98	47.3	38.1	57.1

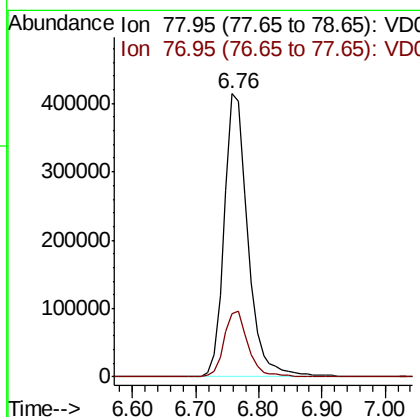
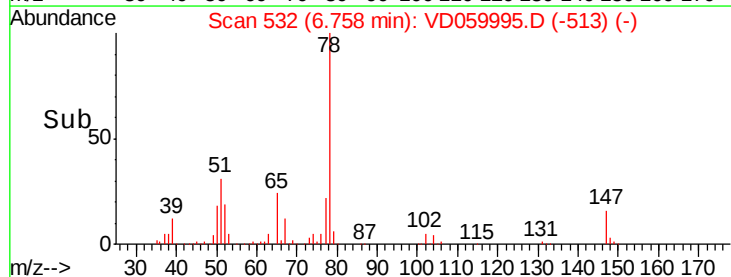
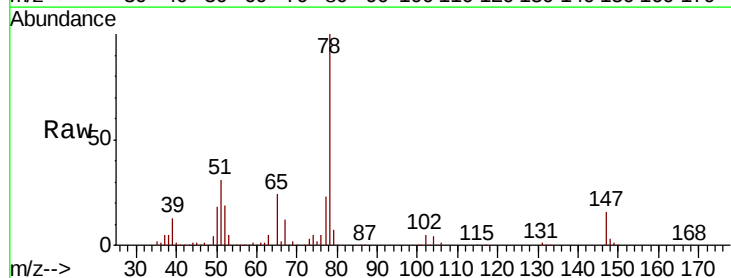
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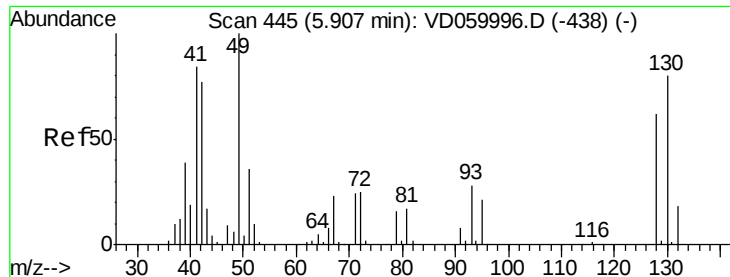
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#40
Benzene
Concen: 21.16 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	78	Resp	1076953
Ion Ratio	Lower	Upper	
78	100		
77	22.5	19.0	28.4





#41

Methacrylonitrile

Concen: 23.92 ug/l m

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 179540
Ion Ratio Lower Upper

41 100

39 45.8 37.5 56.3

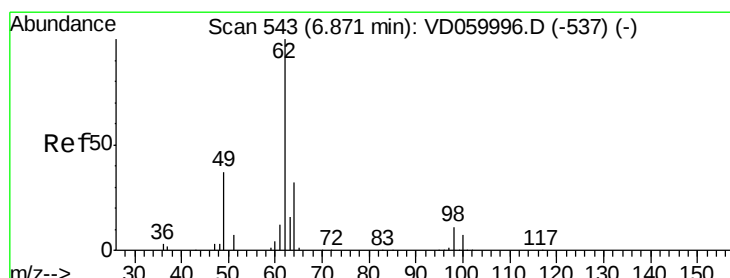
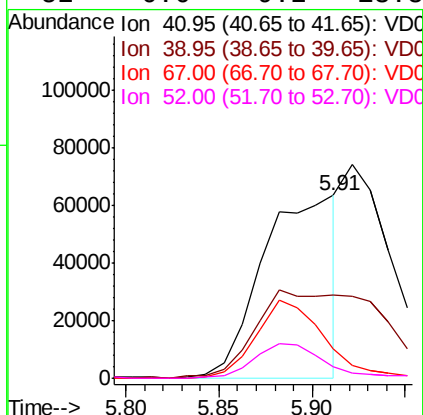
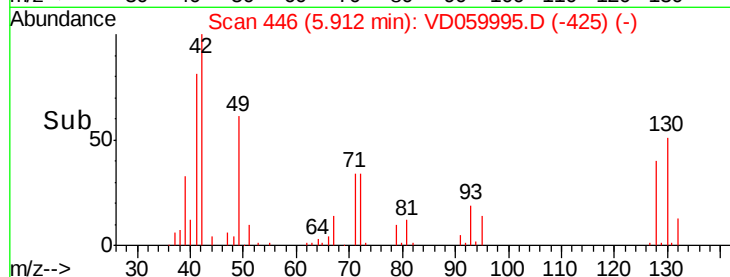
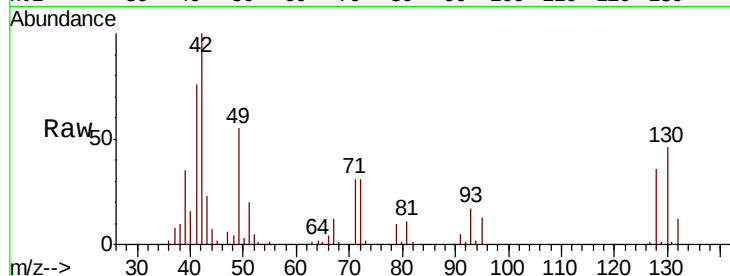
67 16.2 21.5 32.3#

52 6.6 9.2 13.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.87 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.00 min

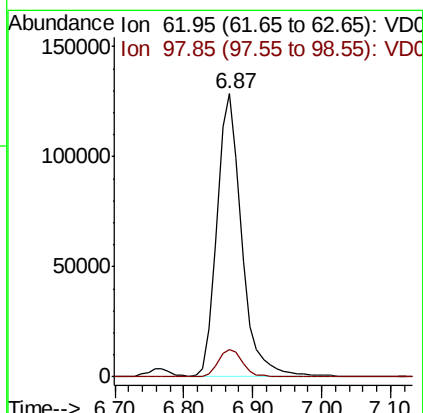
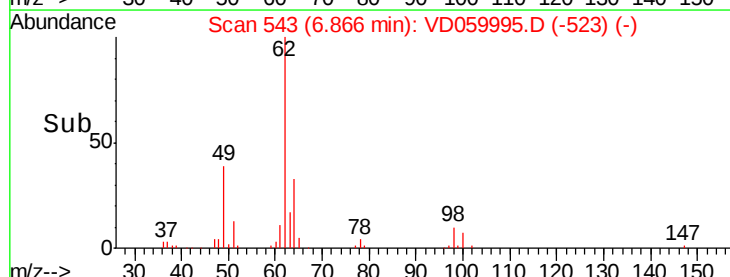
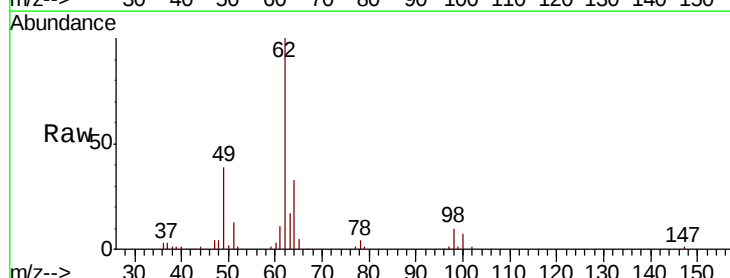
Lab File: VD059995.D

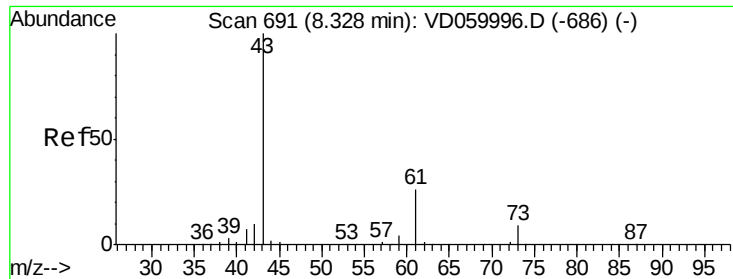
Acq: 13 Sep 2018 13:13

Tgt Ion: 62 Resp: 317654
Ion Ratio Lower Upper

62 100

98 9.8 0.0 21.4





#43

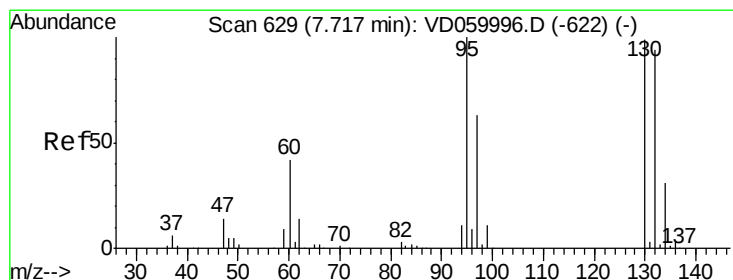
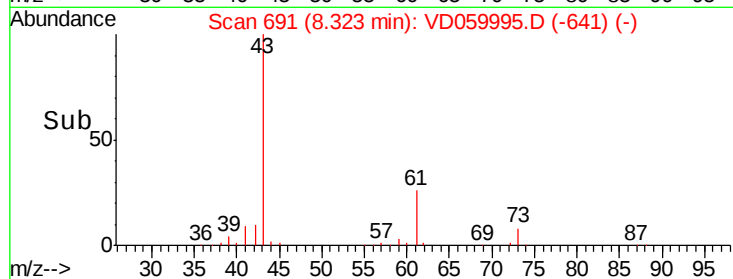
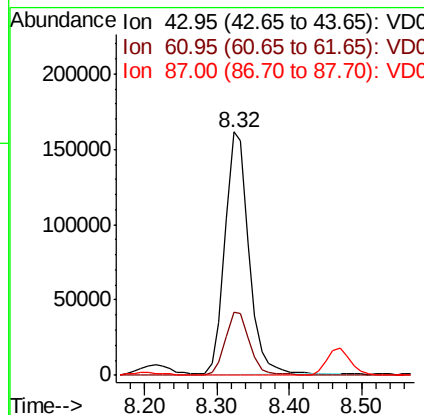
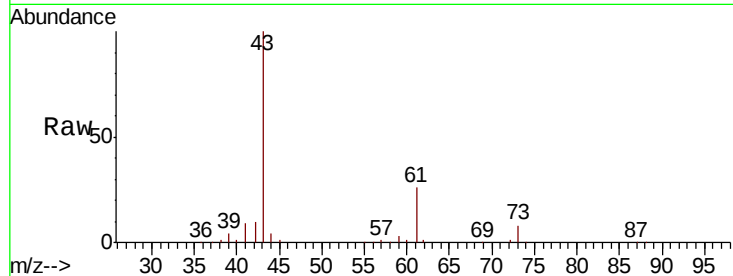
Isopropyl Acetate
 Concen: 19.03 ug/l
 RT: 8.32 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	21.0	31.6
87	0.3	0.2	0.2#

Manual Integrations
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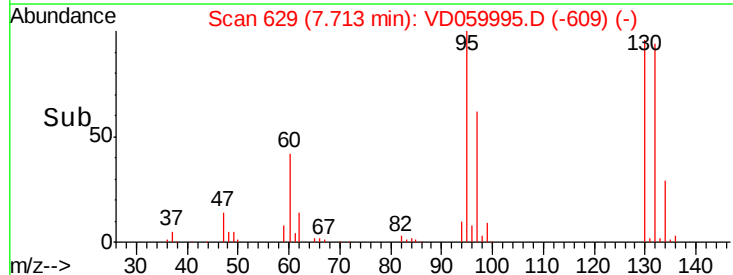
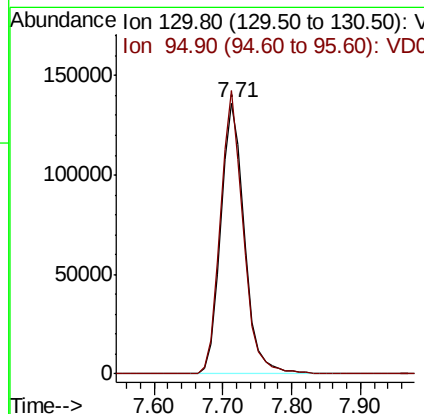
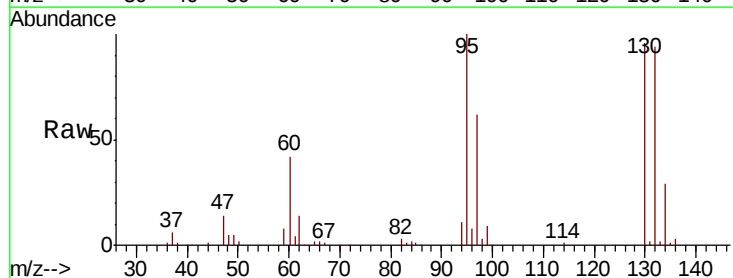
apatel
 9/14/2018 10:56:55 AM

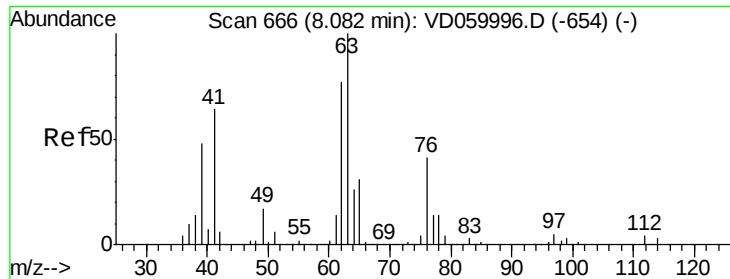


#44

Trichloroethene
 Concen: 21.44 ug/l
 RT: 7.71 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	202.0





#45

1,2-Dichloropropane

Concen: 20.00 ug/l

RT: 8.08 min Scan# 666

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 281226

Ion Ratio Lower Upper

63 100

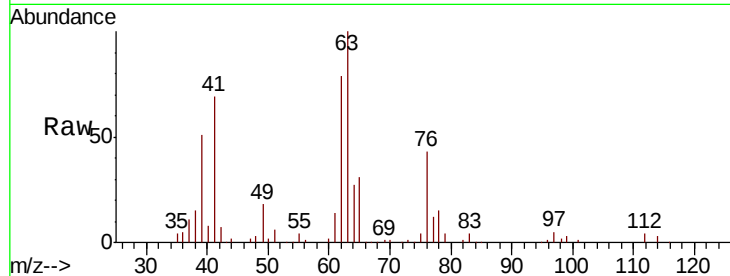
65 31.4 24.6 37.0

Manual Integrations

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

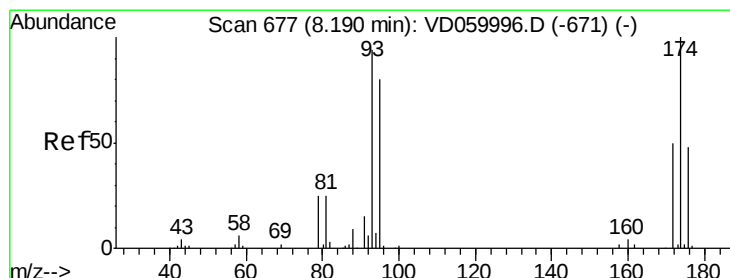
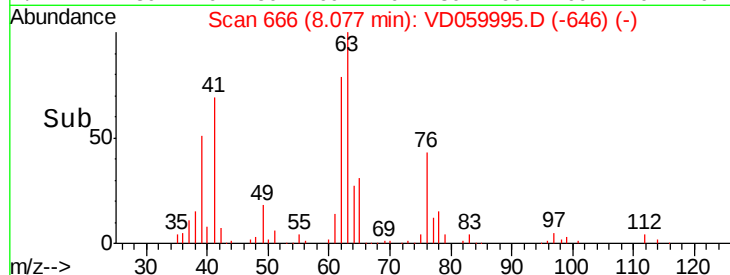
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#46

Dibromomethane

Concen: 20.30 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

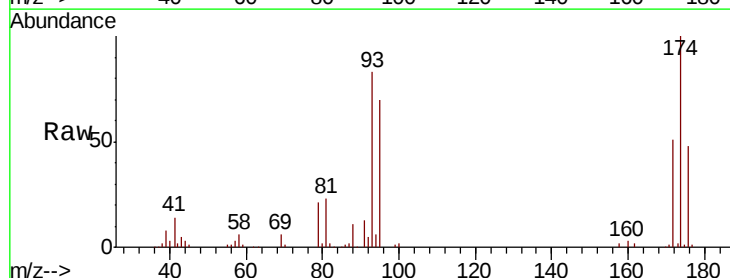
Tgt Ion: 93 Resp: 183677

Ion Ratio Lower Upper

93 100

95 85.1 68.0 102.0

174 121.0 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

8.19

120000

100000

80000

60000

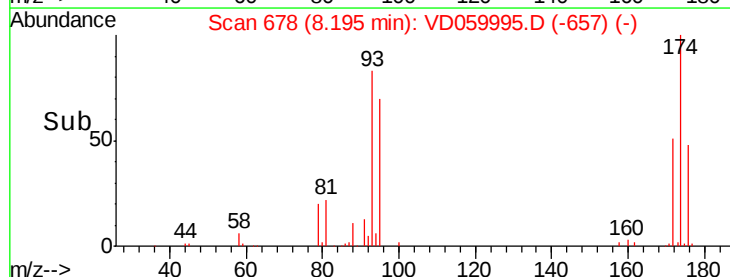
40000

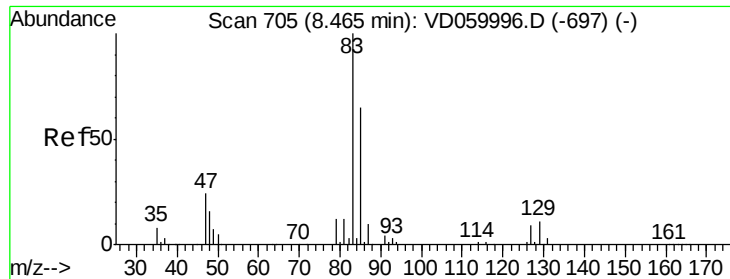
20000

0

8.10 8.20 8.30

Time-->





#47

Bromodichloromethane

Concen: 19.67 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

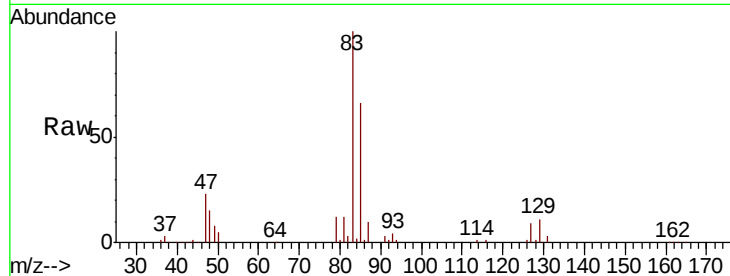
ClientSampleId :

VSTDIC020

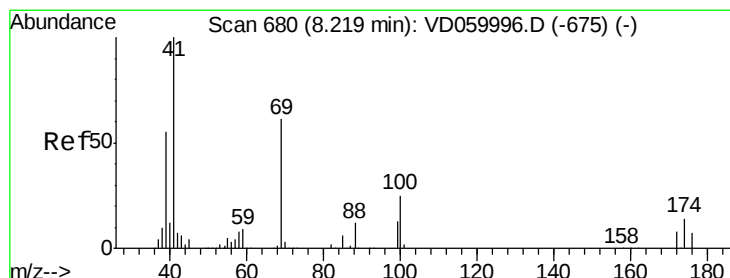
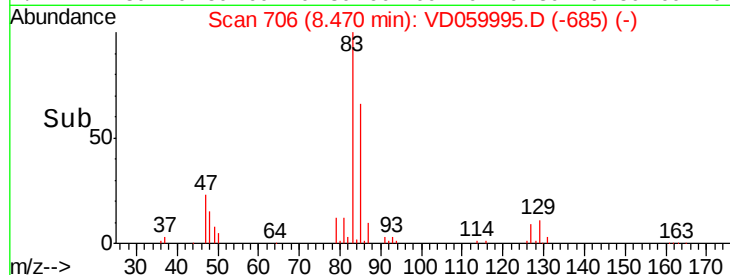
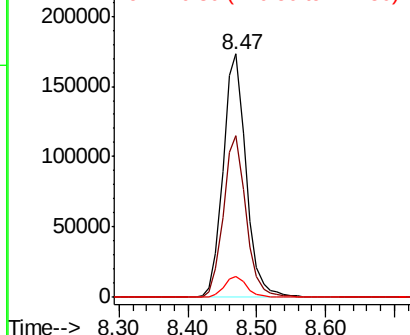
Tot Ion:	83	Resp:	399344
Ion Ratio	Lower	Upper	
83	100		
85	66.3	51.9	77.9
127	8.6	6.8	10.2

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



#48

Methyl methacrylate

Concen: 18.68 ug/l

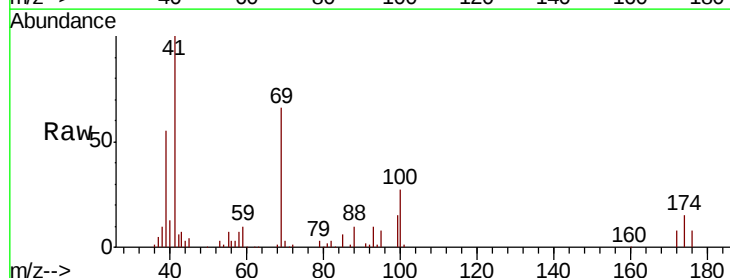
RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

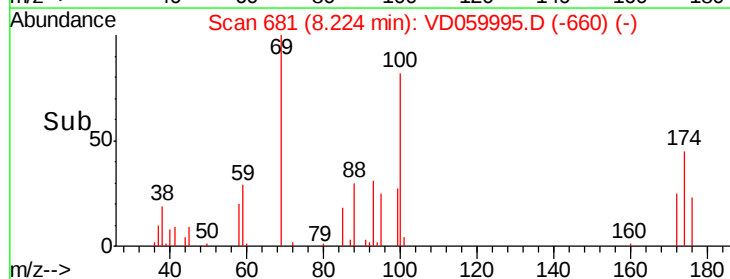
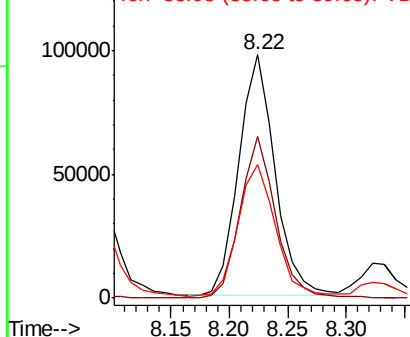
Lab File: VD059995.D

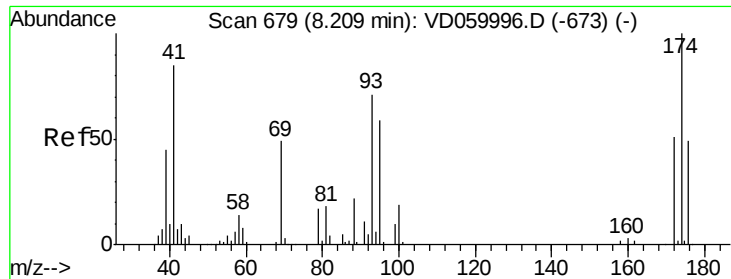
Acq: 13 Sep 2018 13:13

Tgt Ion:	41	Resp:	210443
Ion Ratio	Lower	Upper	
41	100		
69	66.4	48.3	72.5
39	54.7	44.1	66.1



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





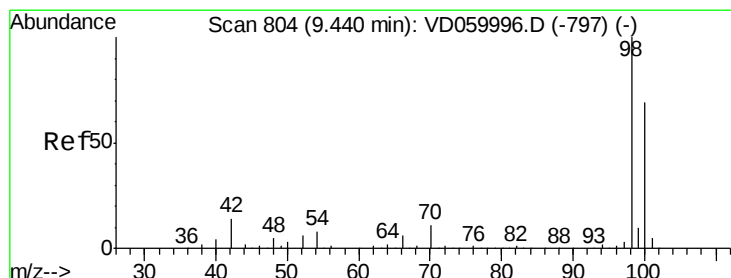
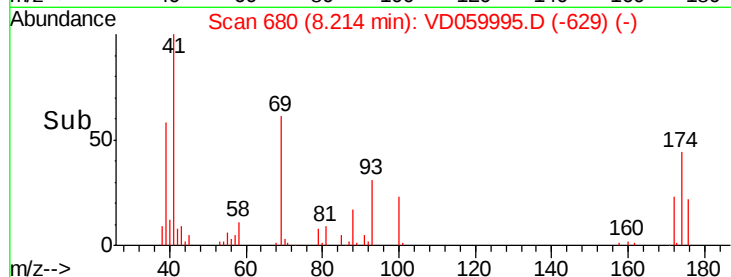
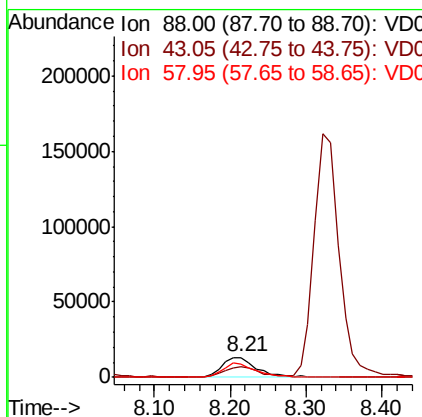
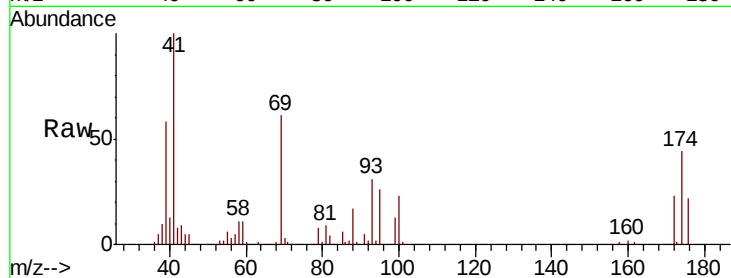
#49
1,4-Dioxane
Concen: 416.33 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.6	36.2	54.2
58	66.4	51.0	76.6

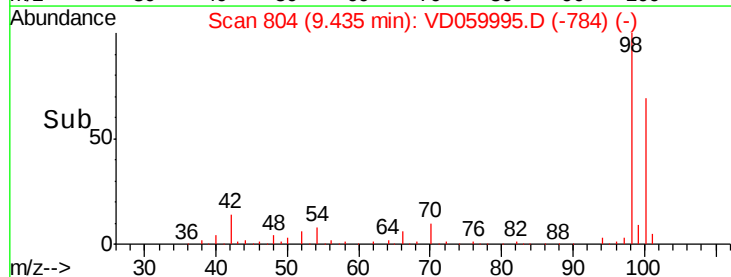
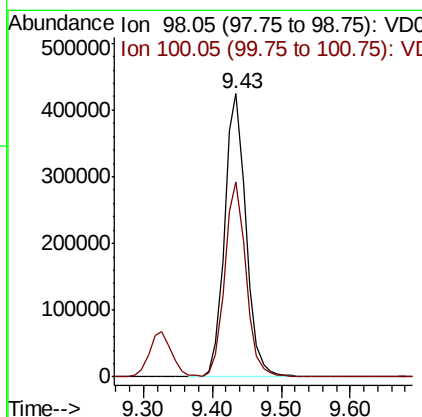
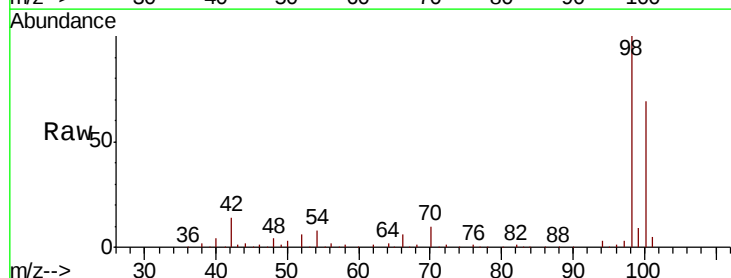
Manual Integrations
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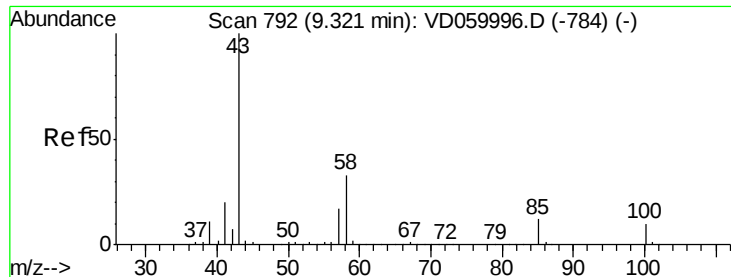
apatel
9/14/2018 10:56:55 AM



#50
Toluene-d8
Concen: 416.33 ug/l
RT: 9.43 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 111.31 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 1536486

Ion Ratio Lower Upper

43 100

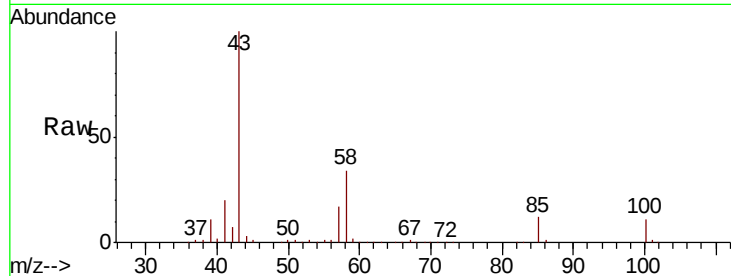
58 33.8 26.4 39.6

Manual Integrations

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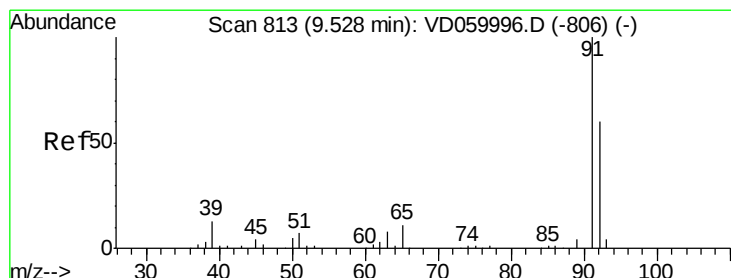
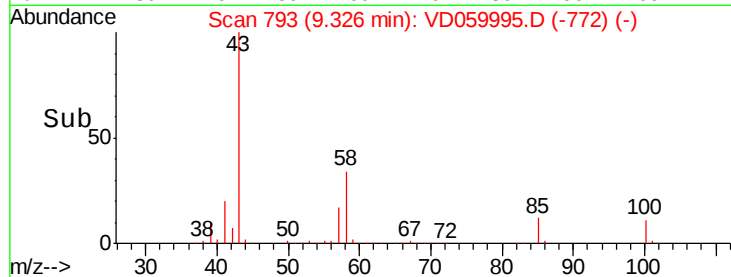
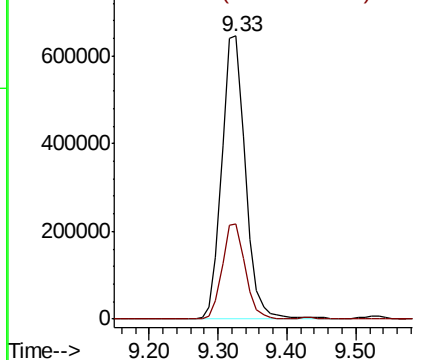
apatel

9/14/2018 10:56:55 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.13 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD059995.D

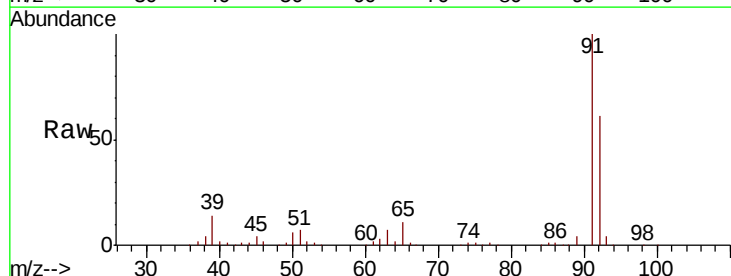
Acq: 13 Sep 2018 13:13

Tgt Ion: 92 Resp: 688227

Ion Ratio Lower Upper

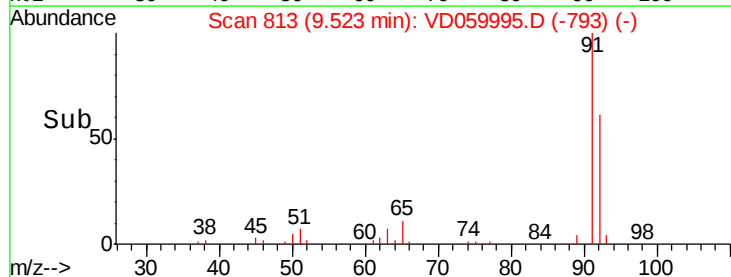
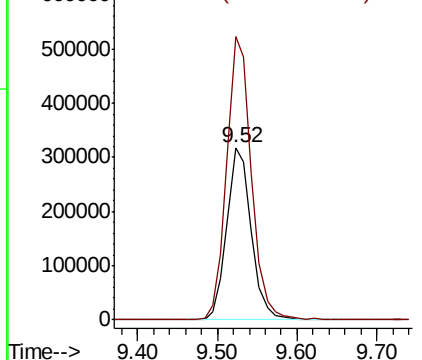
92 100

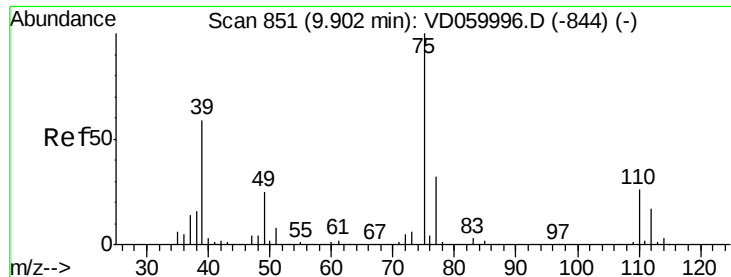
91 164.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





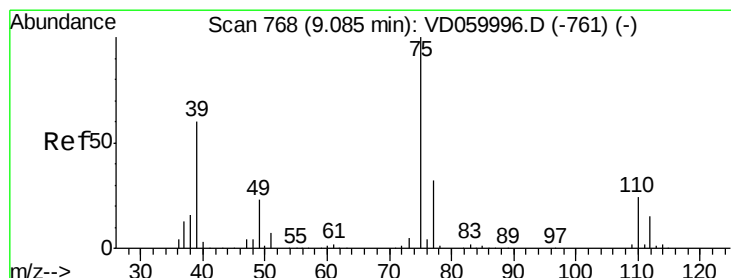
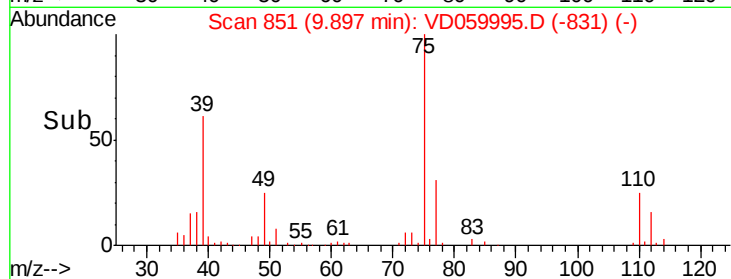
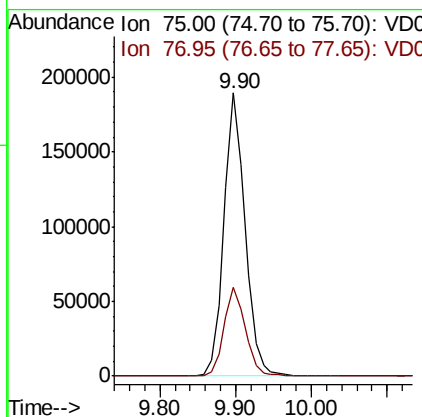
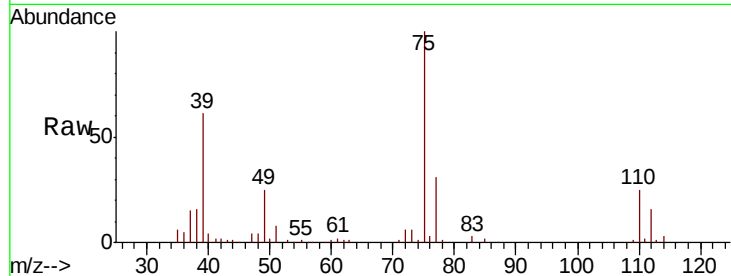
#53
t-1,3-Dichloropropene
Concen: 19.58 ug/l
RT: 9.90 min Scan# 851
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4

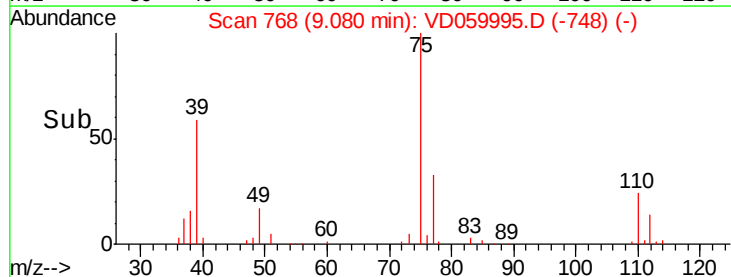
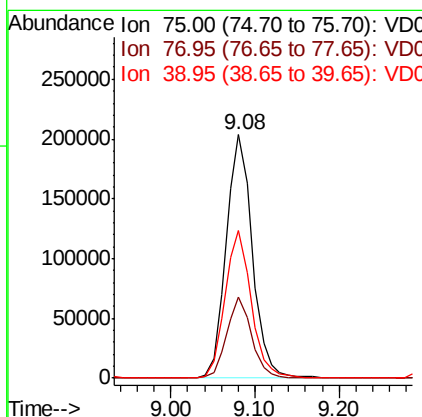
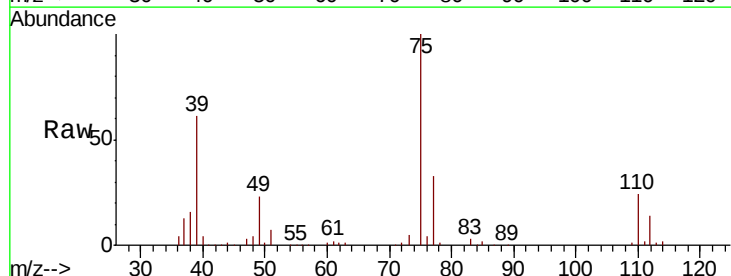
Manual Integrations
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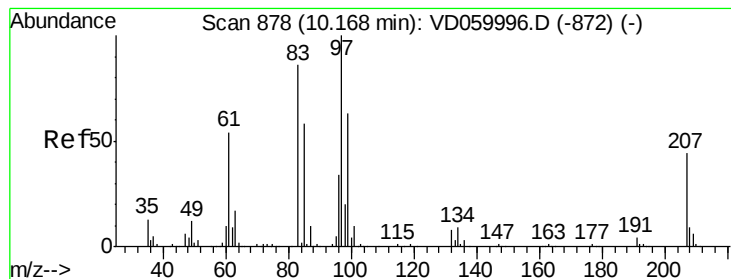
apatel
9/14/2018 10:56:55 AM



#54
cis-1,3-Dichloropropene
Concen: 19.90 ug/l
RT: 9.08 min Scan# 768
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.5	38.3
39	60.9	48.0	72.0





#55

1,1,2-Trichloroethane

Concen: 19.68 ug/l

RT: 10.16 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 231039

Ion Ratio Lower Upper

97 100

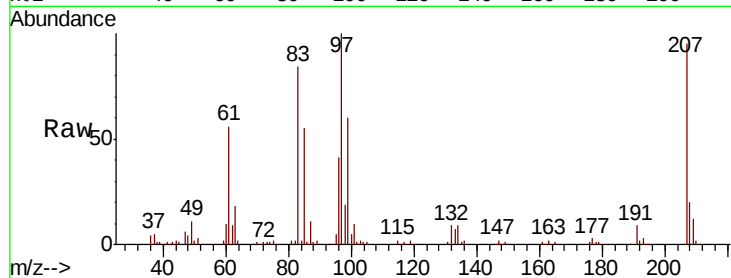
83 84.3 69.1 103.7

85 54.7 46.2 69.4

99 60.3 50.6 75.8

Manual Integrations
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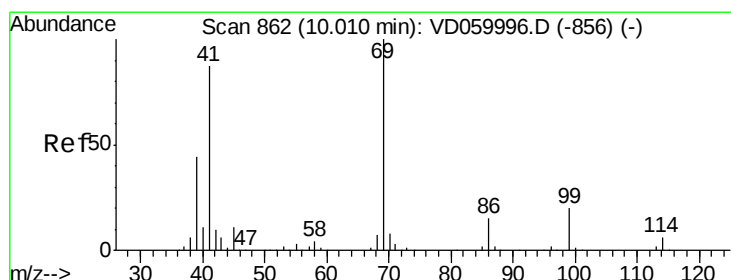
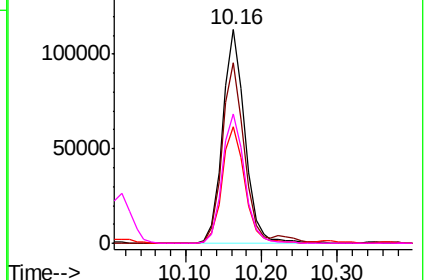
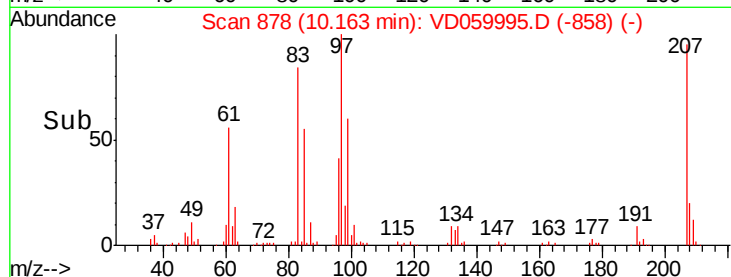


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.25 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

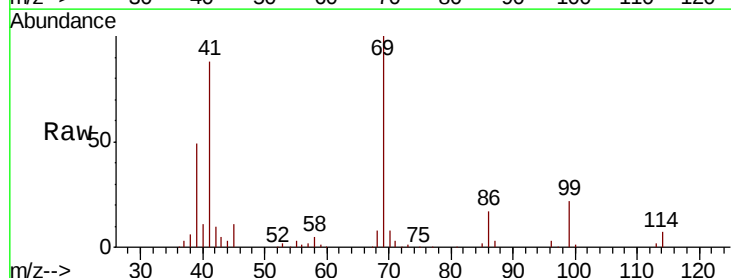
Tgt Ion: 69 Resp: 258789

Ion Ratio Lower Upper

69 100

41 87.7 70.1 105.1

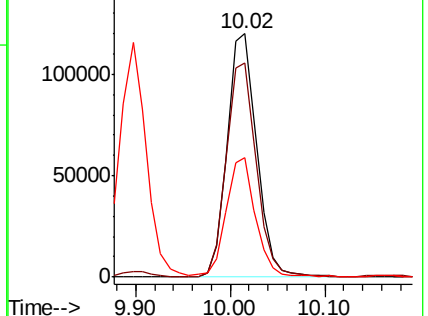
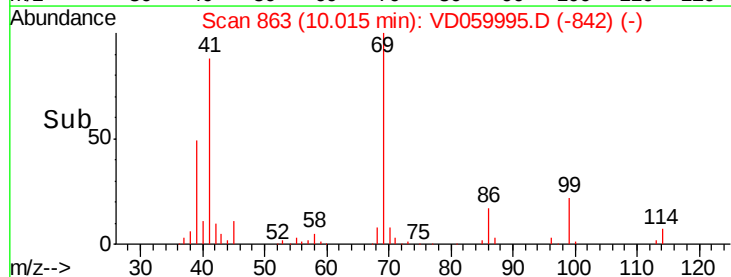
39 48.8 36.5 54.7

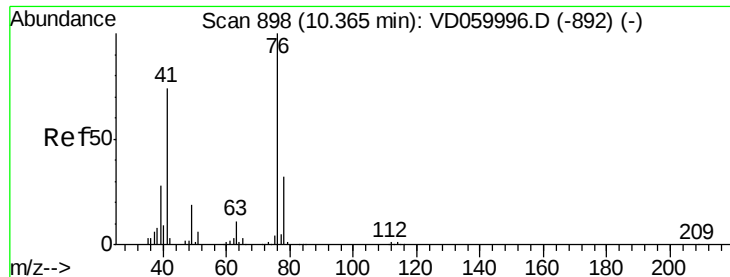


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





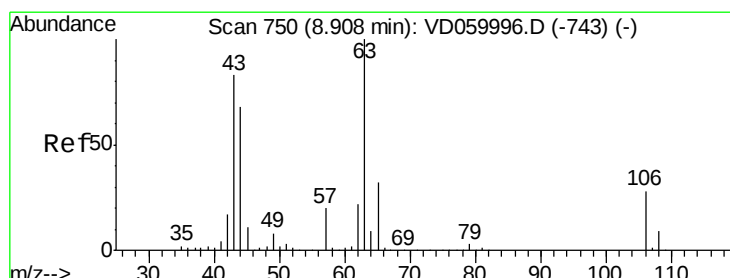
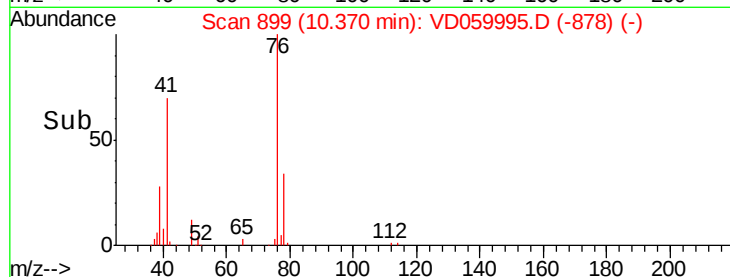
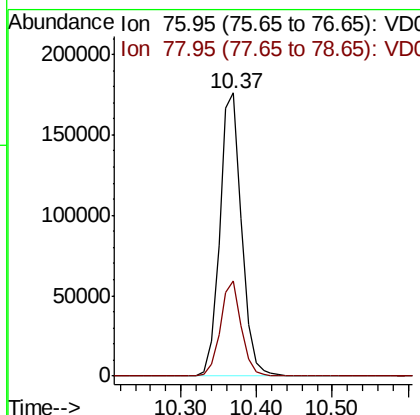
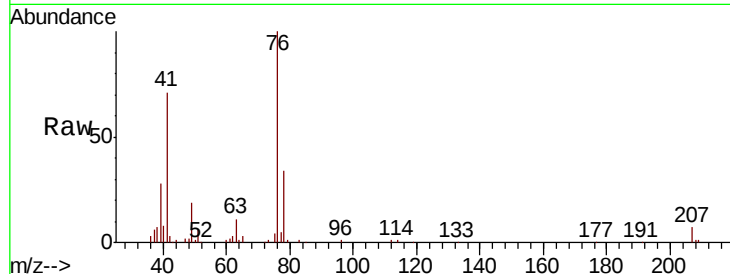
#57
 1,3-Dichloropropane
 Concen: 20.72 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 352446
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.3 37.9

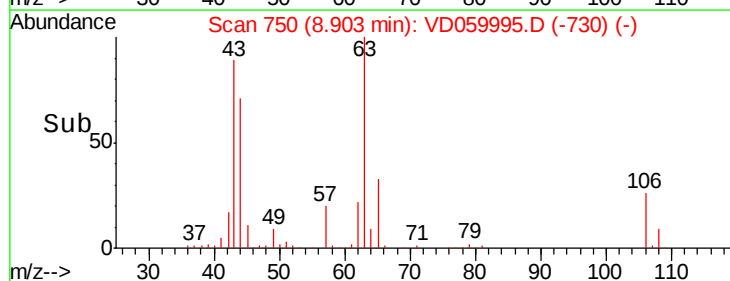
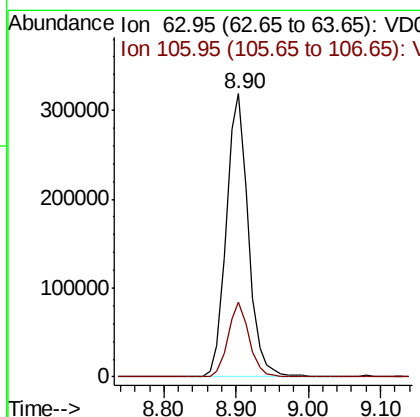
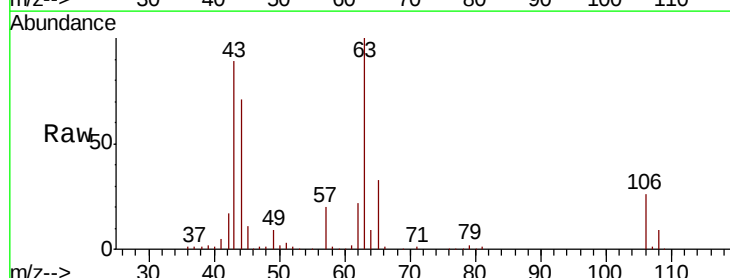
Manual Integrations
 APPROVED

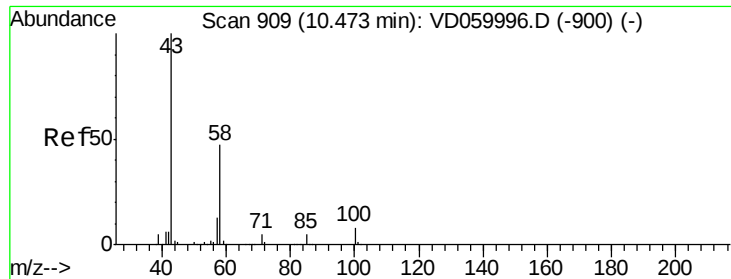
apatel
 9/14/2018 10:56:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.35 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion: 63 Resp: 672184
 Ion Ratio Lower Upper
 63 100
 106 26.5 22.0 33.0





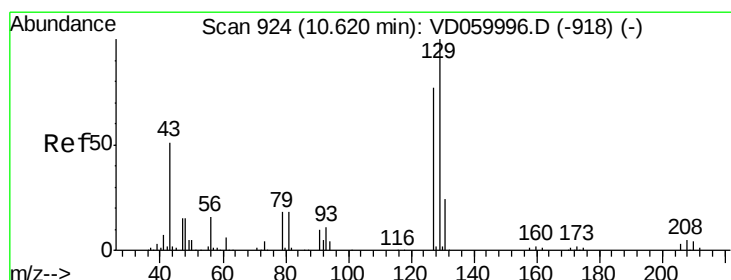
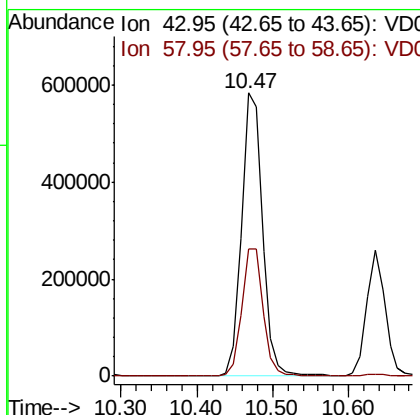
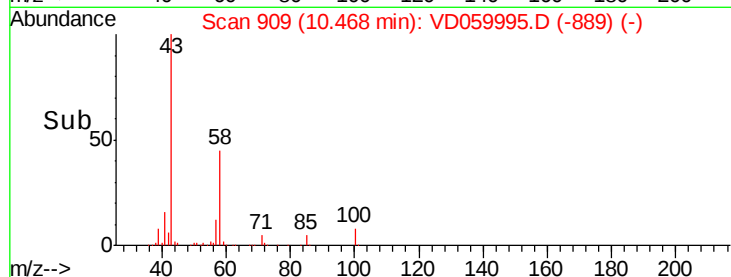
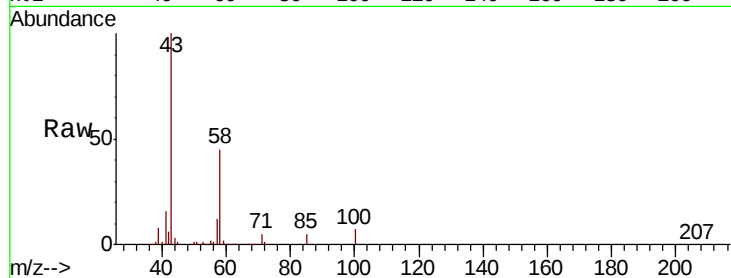
#59
2-Hexanone
Concen: 109.39 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1113559
Ion Ratio Lower Upper
43 100
58 44.8 23.4 70.0

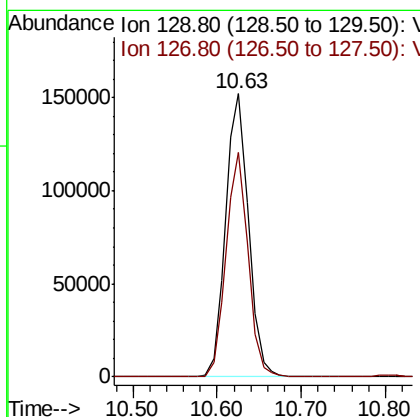
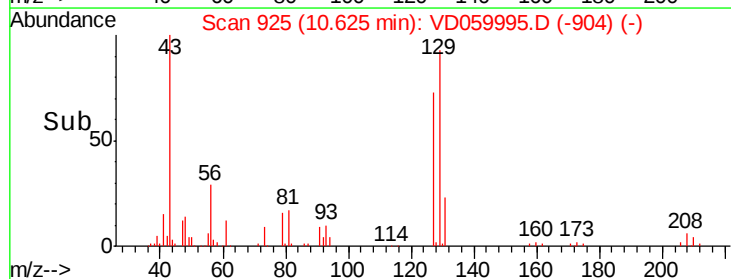
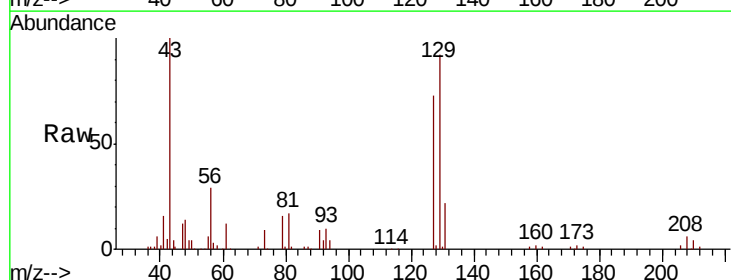
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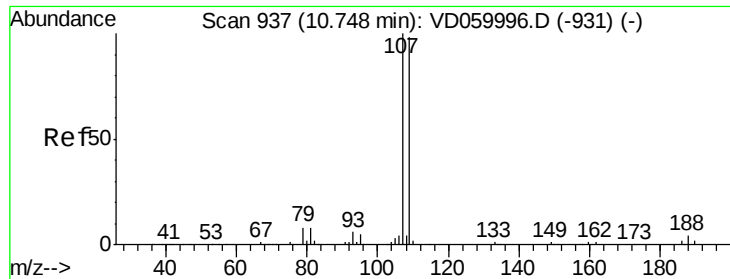
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#60
Dibromochloromethane
Concen: 19.39 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 129 Resp: 285563
Ion Ratio Lower Upper
129 100
127 79.2 38.6 116.0





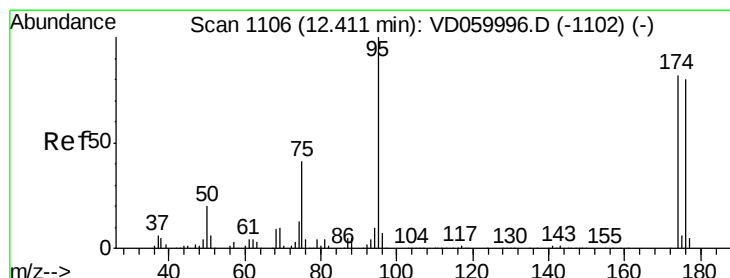
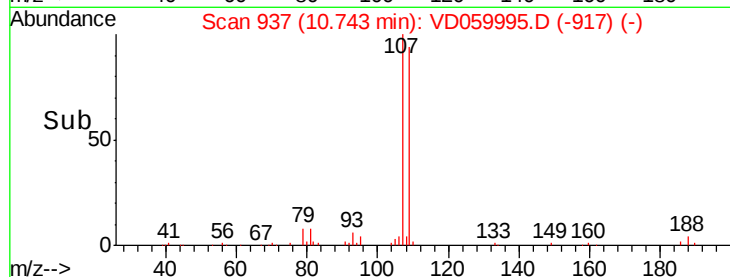
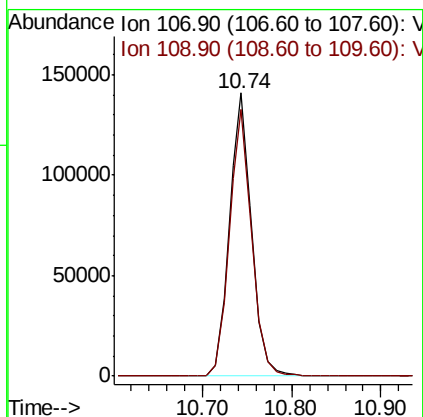
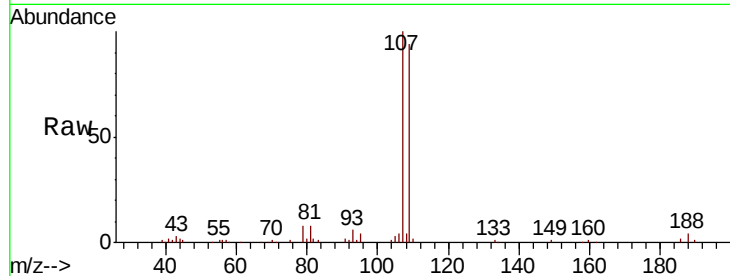
#61
 1,2-Dibromoethane
 Concen: 20.68 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	78.2	117.2

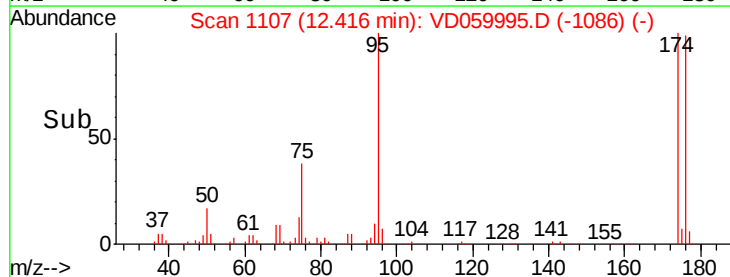
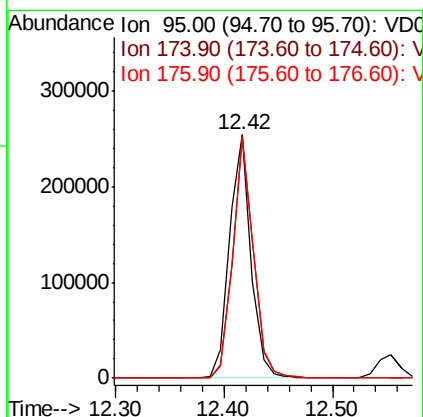
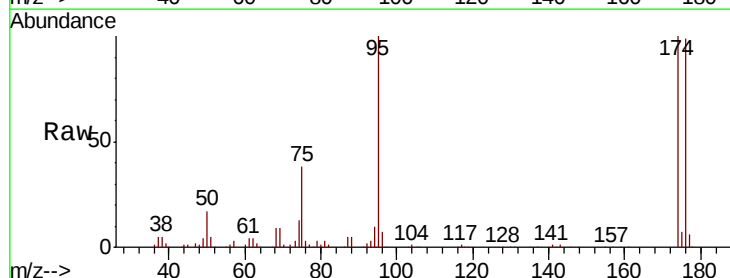
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#62
 4-Bromofluorobenzene
 Concen: 20.68 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.6	0.0	165.0
176	99.0	0.0	160.2





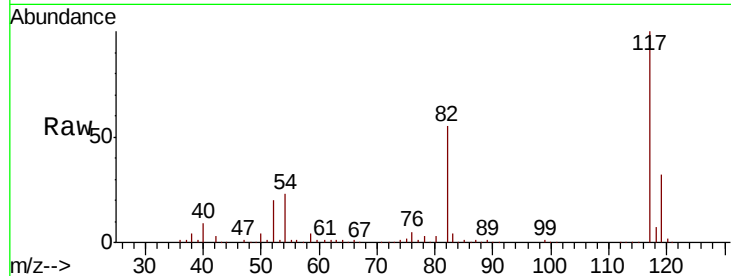
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

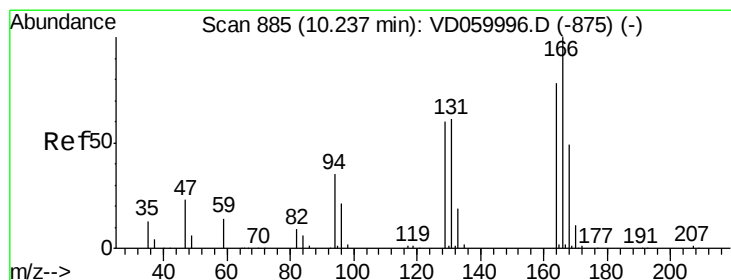
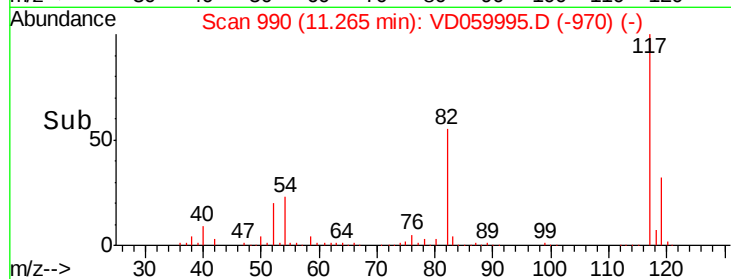
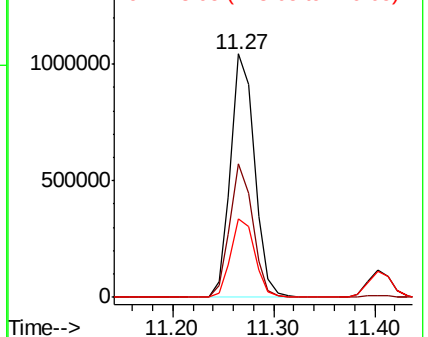
Tot Ion:117 Resp: 1720574
Ion Ratio Lower Upper
117 100
82 54.6 41.7 62.5
119 32.4 26.0 39.0

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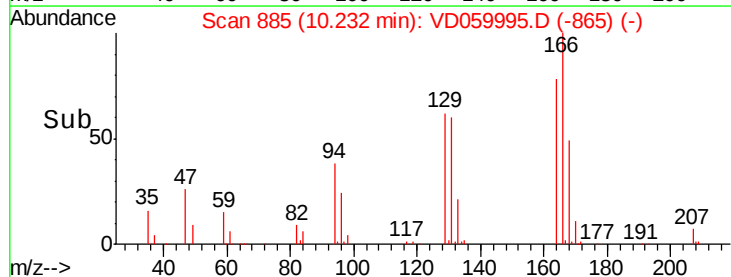
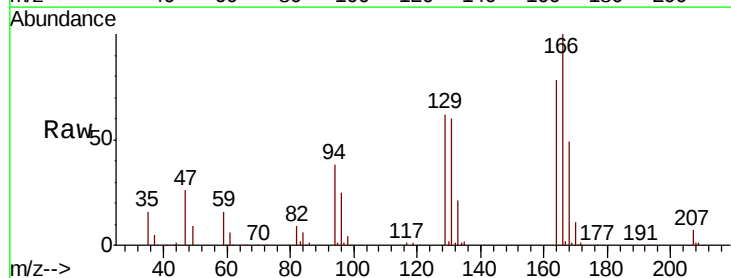
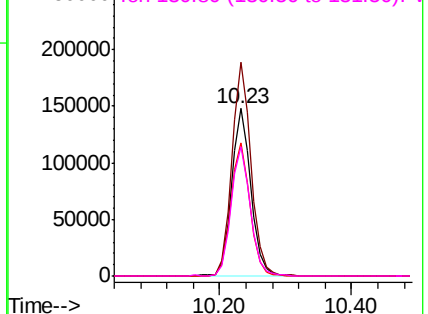
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

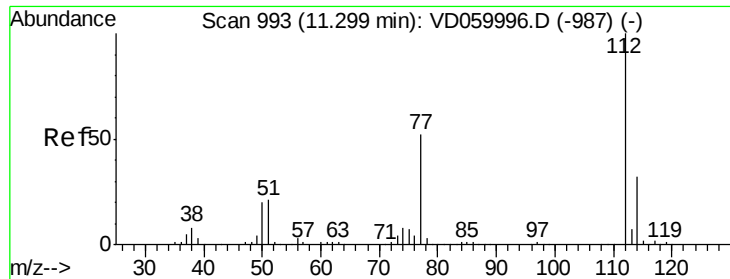


#64
Tetrachloroethene
Concen: 22.00 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion:164 Resp: 303717
Ion Ratio Lower Upper
164 100
166 127.8 103.0 154.6
129 79.5 61.9 92.9
131 77.1 62.6 93.8

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





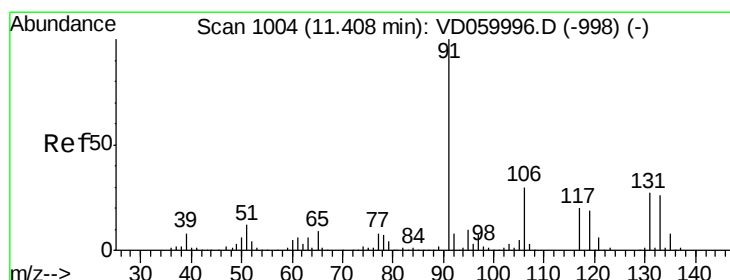
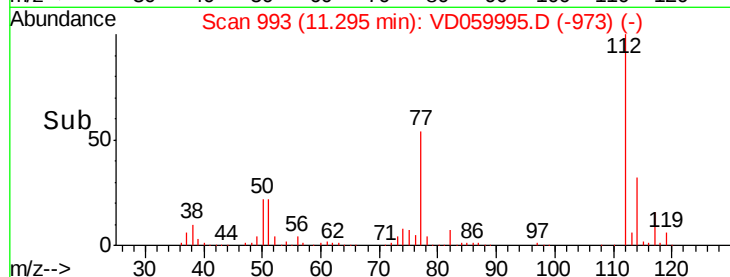
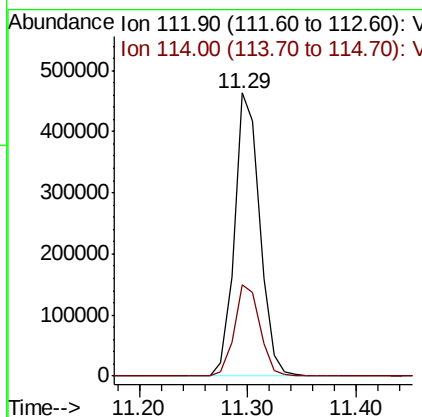
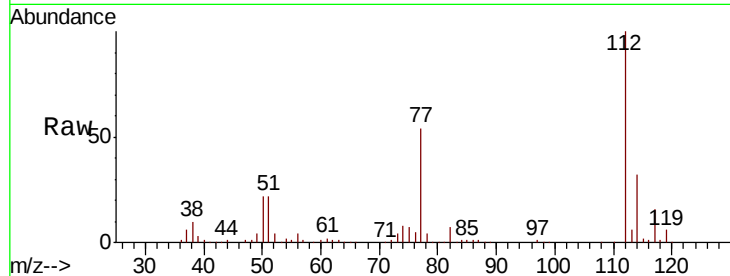
#65
Chlorobenzene
Concen: 21.45 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 752740
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

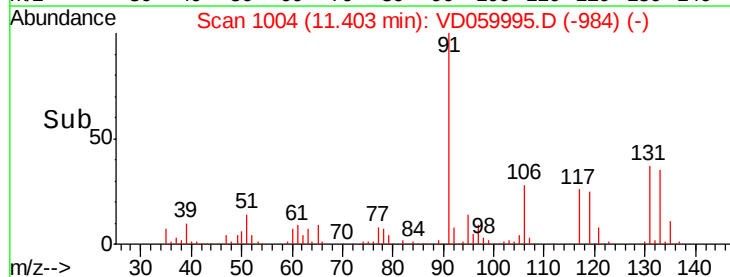
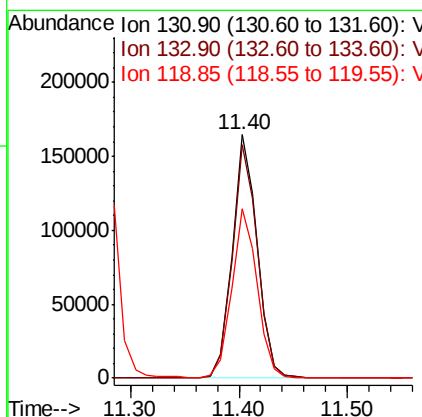
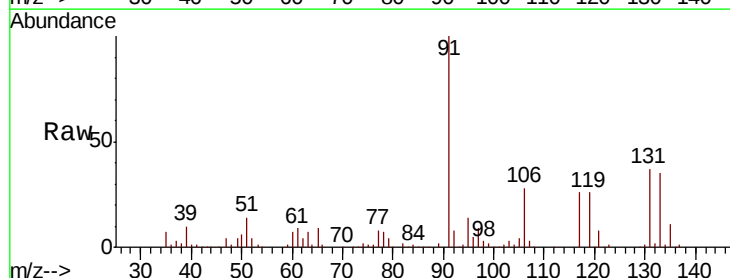
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.71 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion:131 Resp: 261865
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 69.4 35.6 106.9





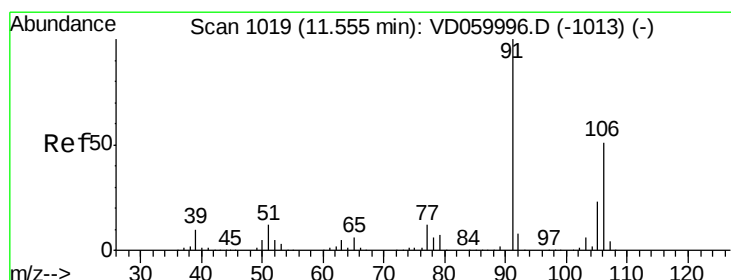
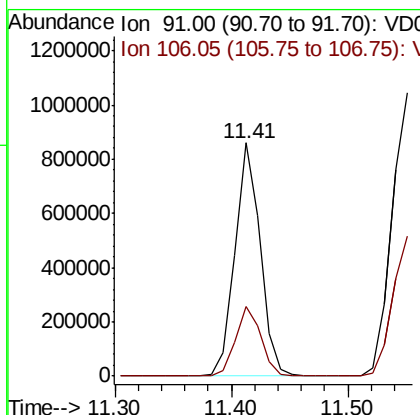
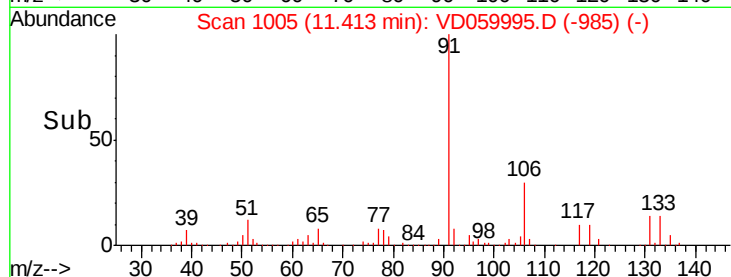
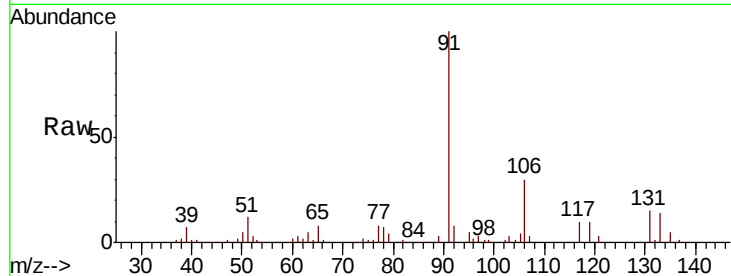
#67
Ethyl Benzene
Concen: 22.05 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion: 91 Resp: 1292756
Ion Ratio Lower Upper
91 100
106 30.0 24.8 37.2

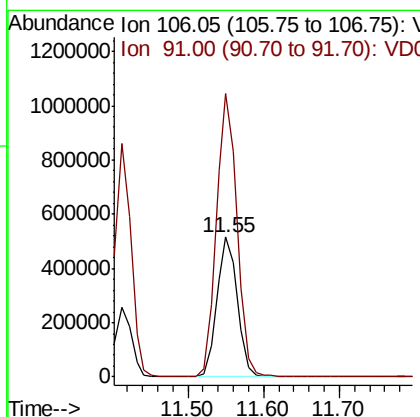
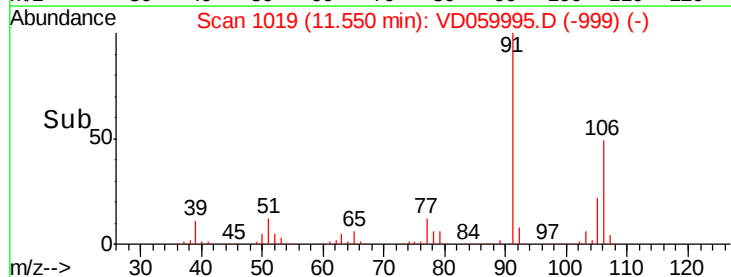
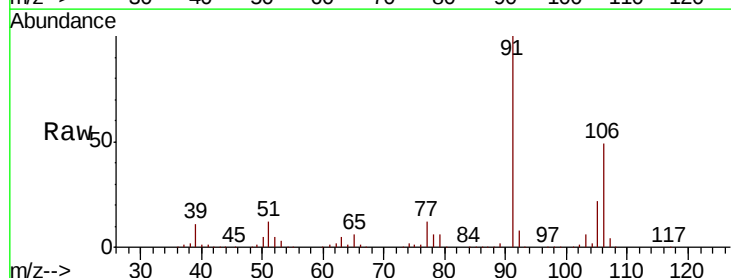
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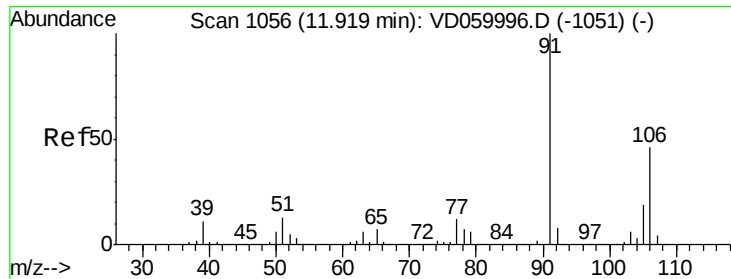
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#68
m/p-Xylenes
Concen: 45.30 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 106 Resp: 976295
Ion Ratio Lower Upper
106 100
91 202.9 157.0 235.6





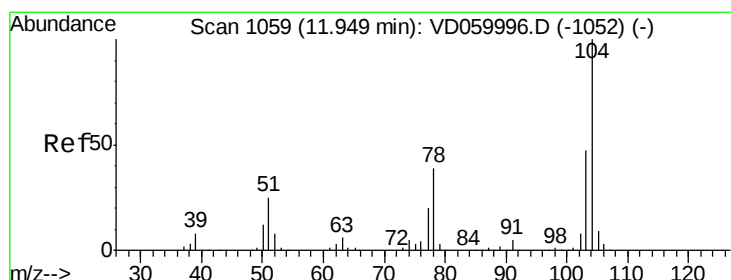
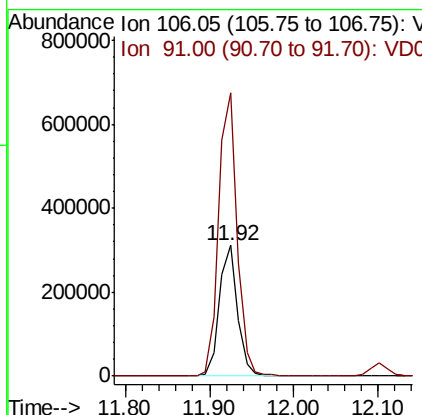
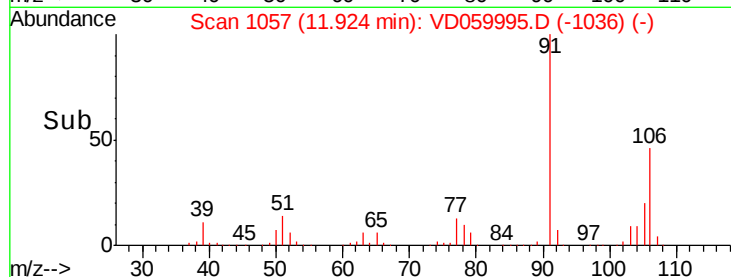
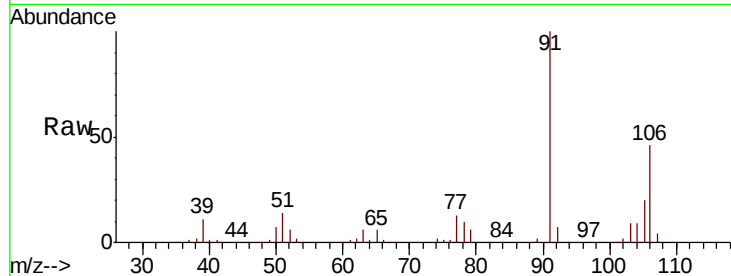
#69
o-Xylene
Concen: 22.19 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 466458
Ion Ratio Lower Upper
106 100
91 216.0 107.7 323.1

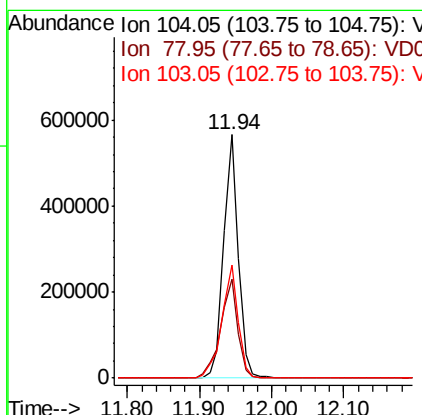
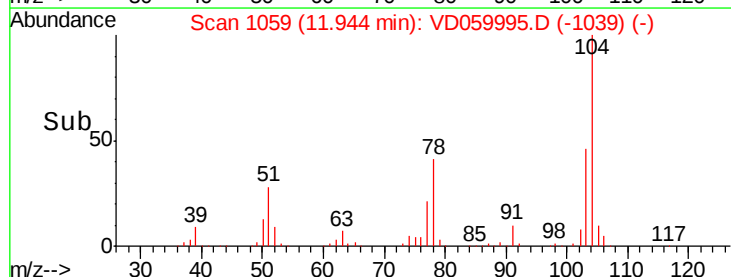
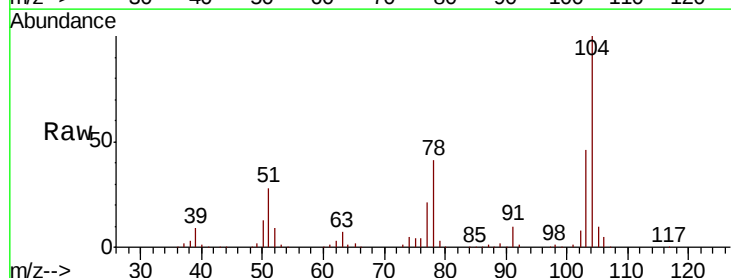
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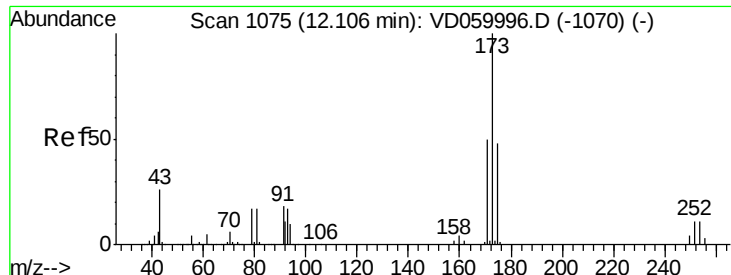
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#70
Styrene
Concen: 21.93 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion:104 Resp: 792923
Ion Ratio Lower Upper
104 100
78 40.5 31.0 46.4
103 46.2 37.6 56.4





#71

Bromoform

Concen: 19.36 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 211470

Ion Ratio Lower Upper

173 100

175 45.7 24.0 72.0

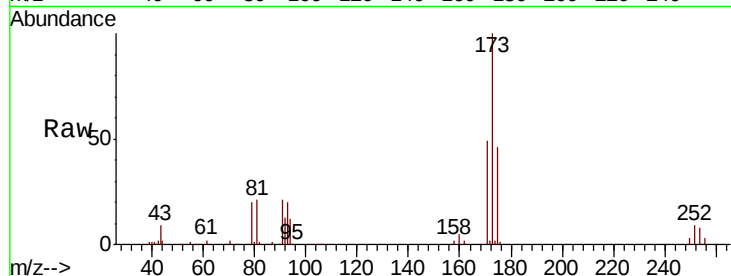
254 8.4 8.6 13.0#

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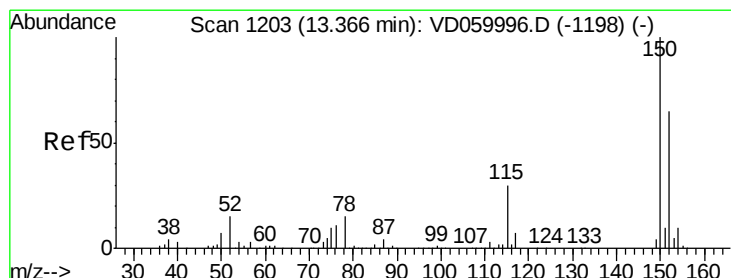
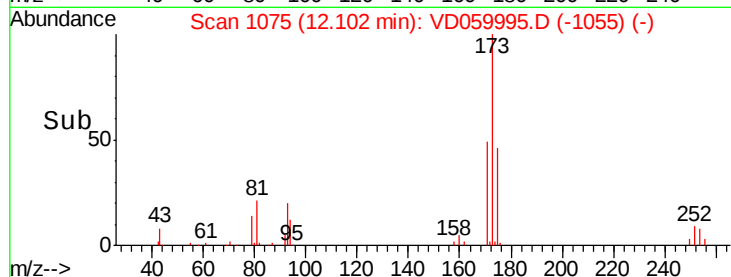
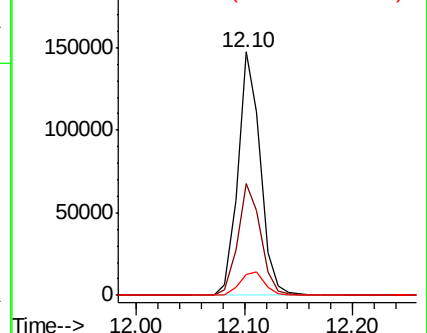
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

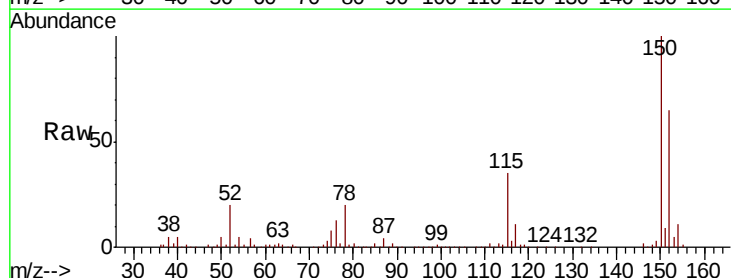
Tgt Ion:152 Resp: 907145

Ion Ratio Lower Upper

152 100

115 53.8 24.6 73.8

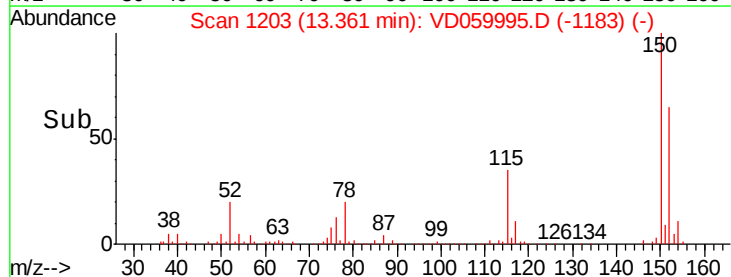
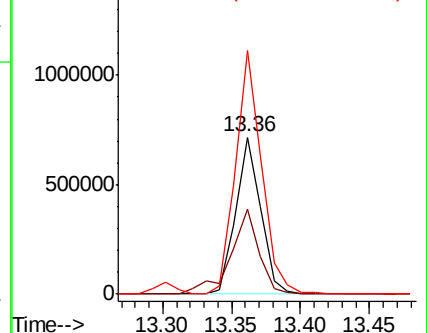
150 154.9 0.0 313.4

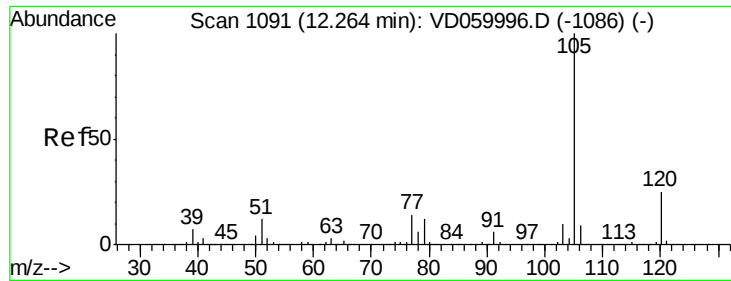


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1224821

Ion Ratio Lower Upper

105 100

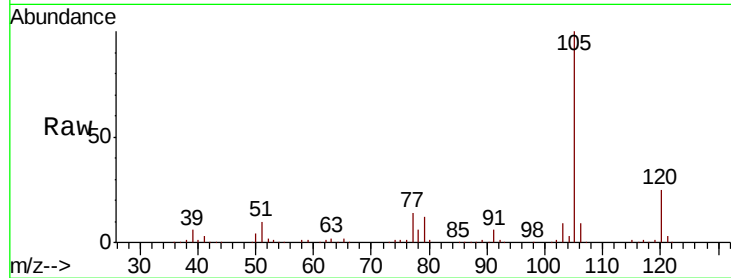
120 24.9 12.3 36.9

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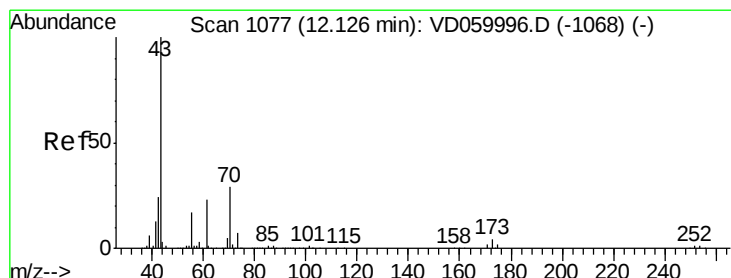
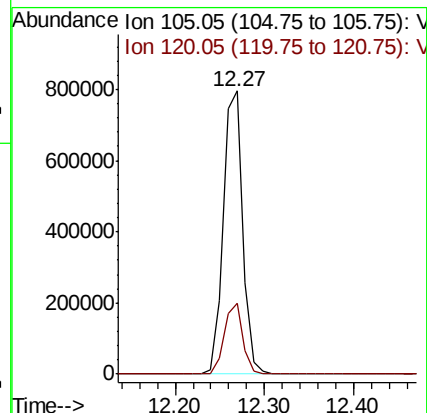
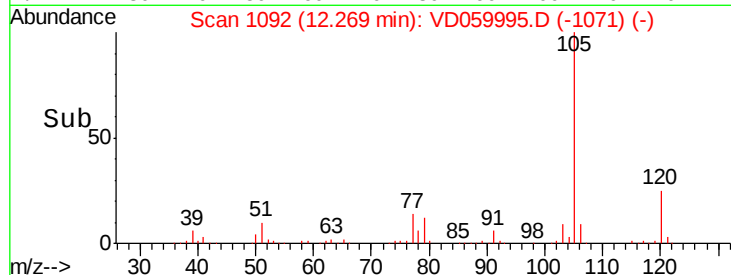
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.96 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion: 43 Resp: 477891

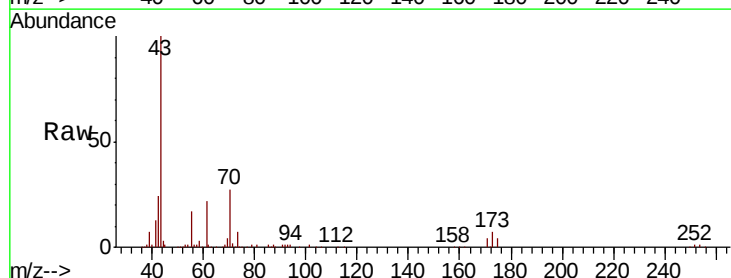
Ion Ratio Lower Upper

43 100

70 26.9 22.9 34.3

55 17.4 14.0 21.0

61 22.4 18.7 28.1

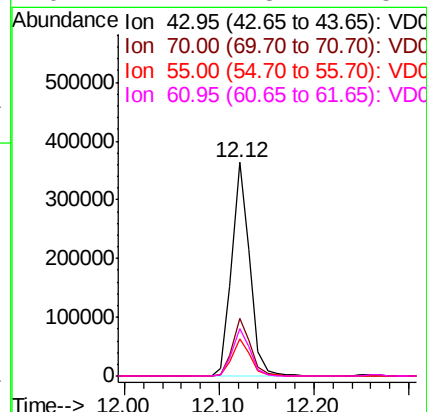
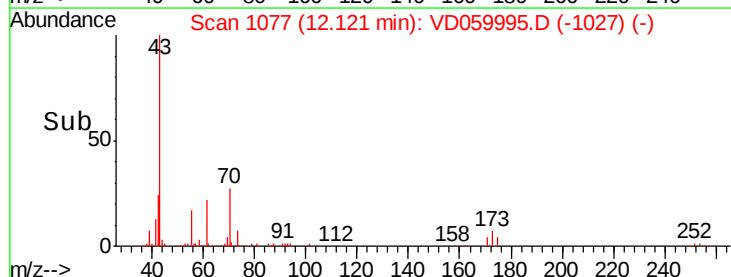


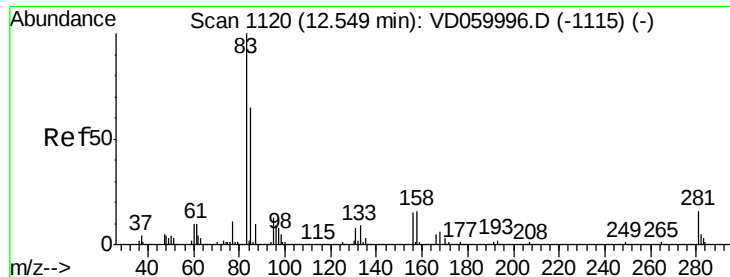
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.74 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 83 Resp: 267755

Ion Ratio Lower Upper

83 100

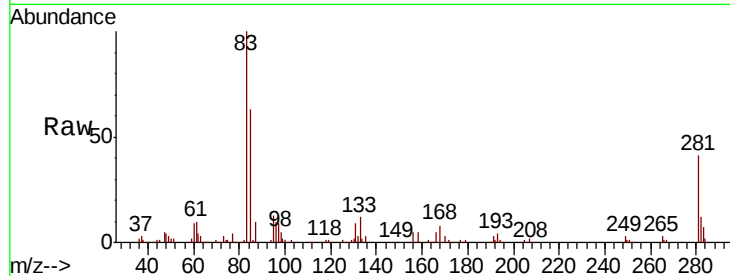
131 8.9 4.1 12.3

85 63.3 32.4 97.2

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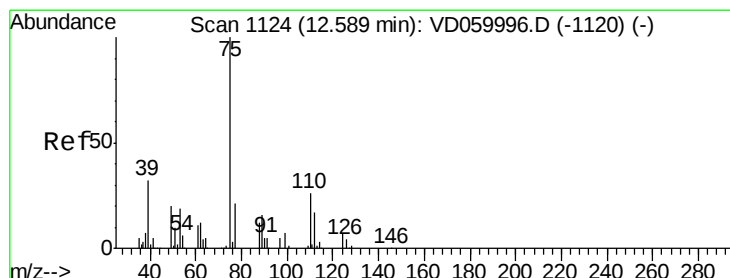
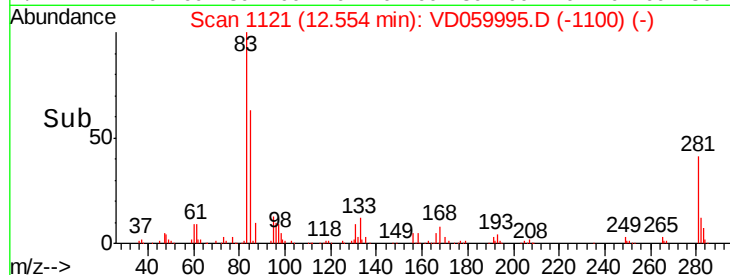
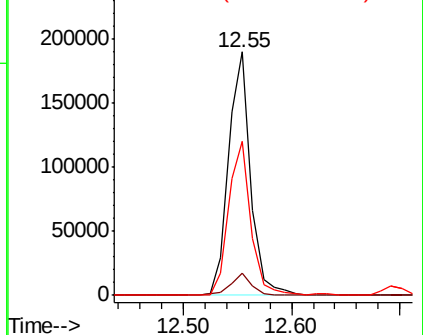
9/14/2018 10:56:55 AM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.41 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD059995.D

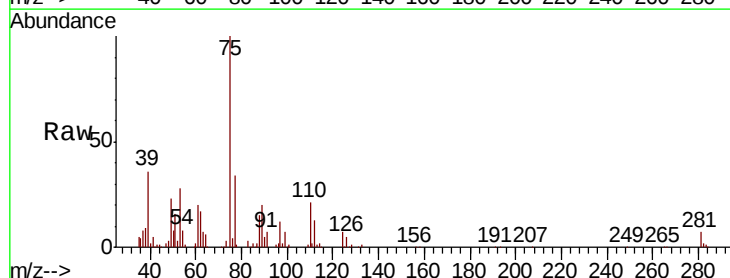
Acq: 13 Sep 2018 13:13

Tgt Ion: 75 Resp: 274183

Ion Ratio Lower Upper

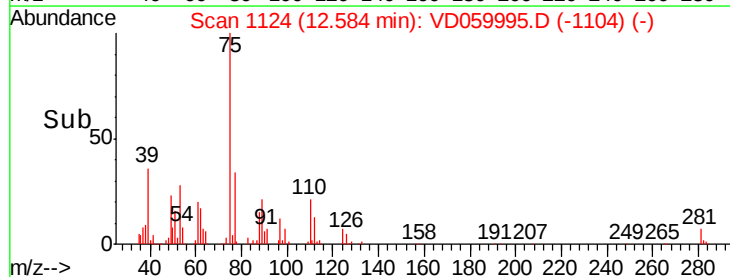
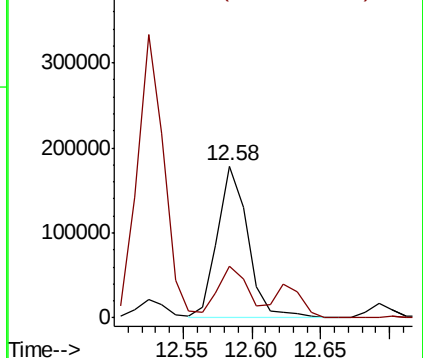
75 100

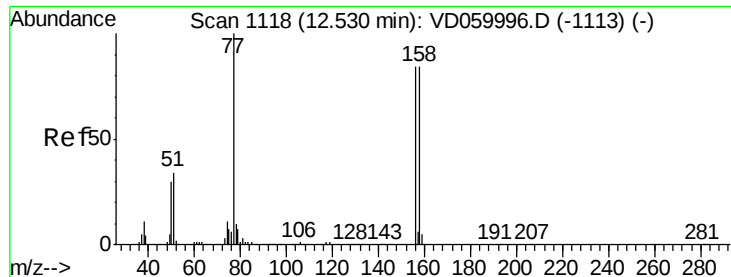
77 33.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.00 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

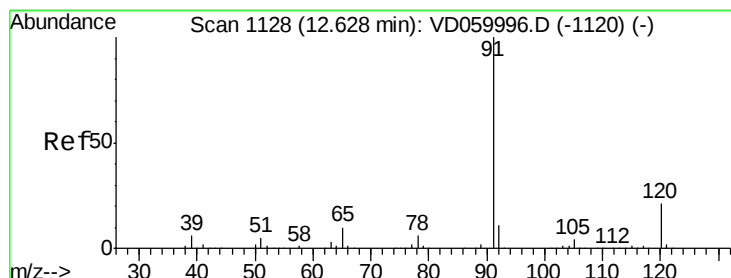
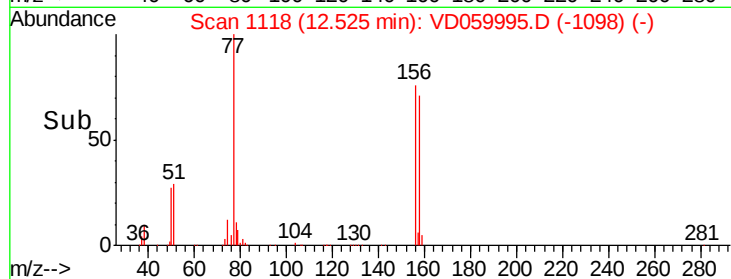
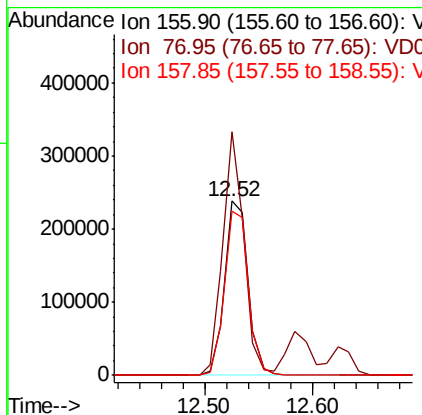
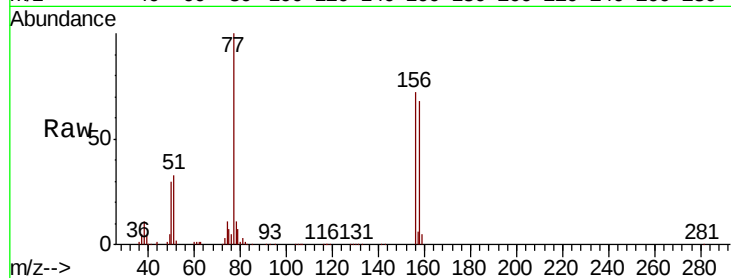
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	359532
Ion Ratio	Lower	Upper	
156	100		
77	139.6	59.5	178.4
158	94.3	50.0	149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.28 ug/l

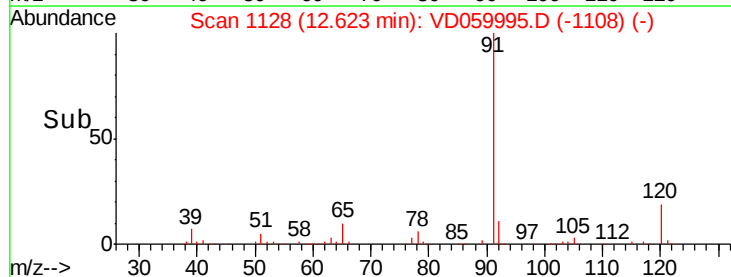
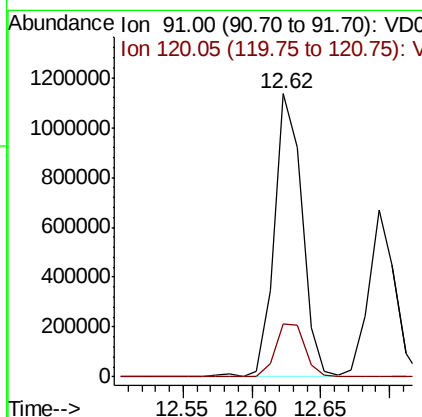
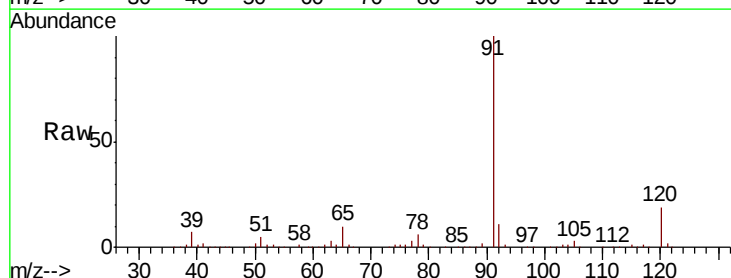
RT: 12.62 min Scan# 1128

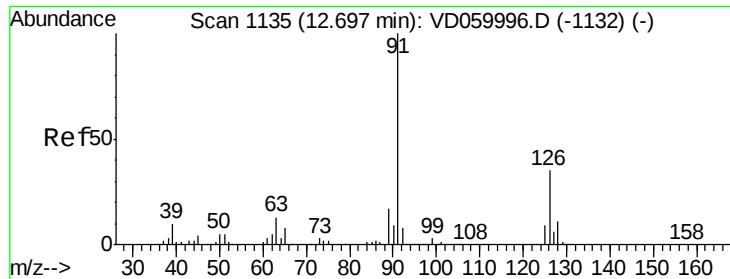
Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Tgt Ion:	91	Resp:	1583100
Ion Ratio	Lower	Upper	
91	100		
120	18.9	10.7	31.9





#79

2-Chlorotoluene

Concen: 21.04 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD059995.D

Acq: 13 Sep 2018 13:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 883732

Ion Ratio Lower Upper

91 100

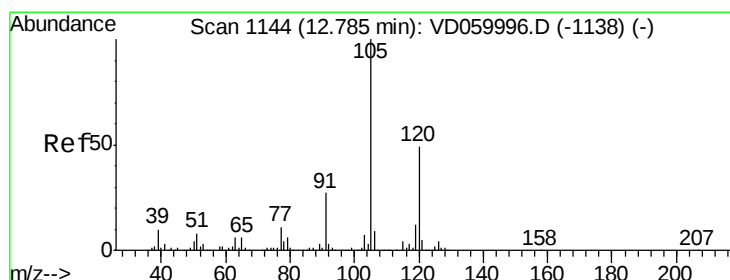
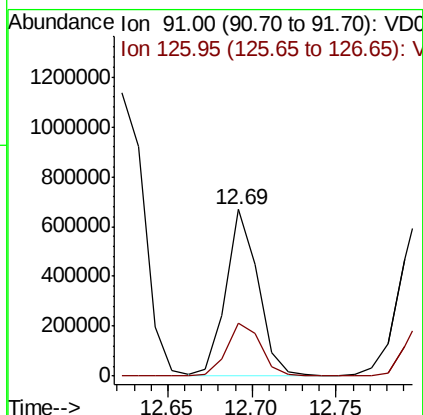
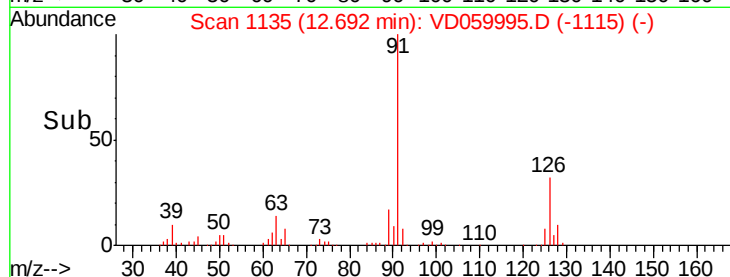
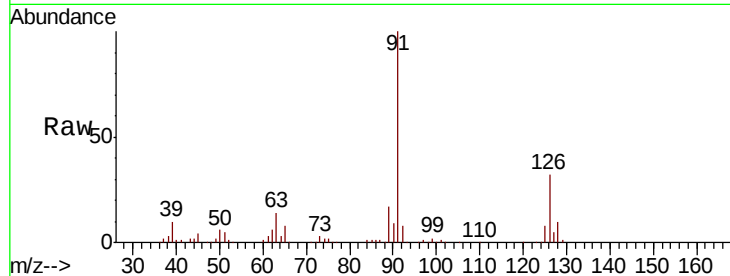
126 32.0 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.83 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD059995.D

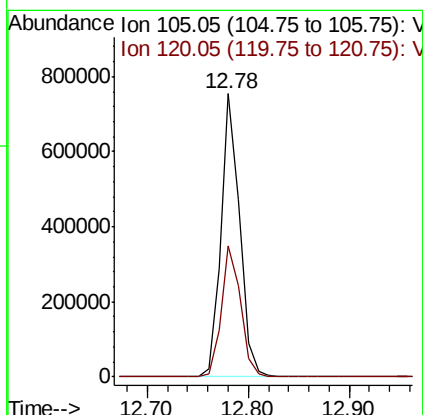
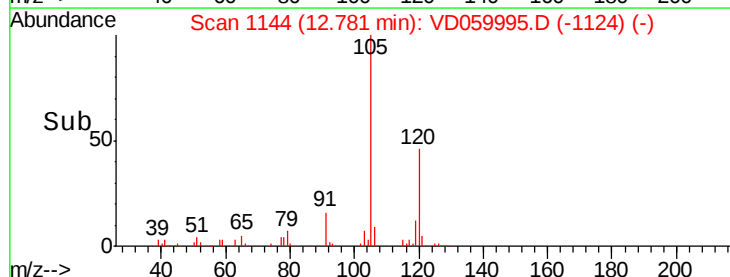
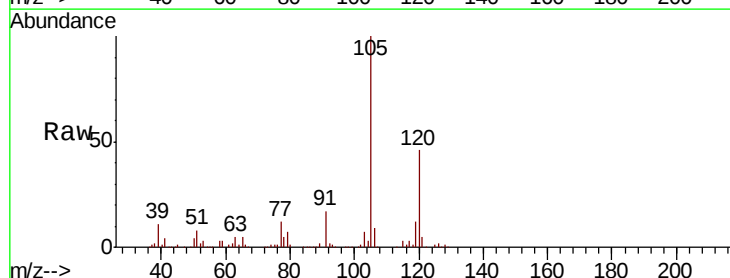
Acq: 13 Sep 2018 13:13

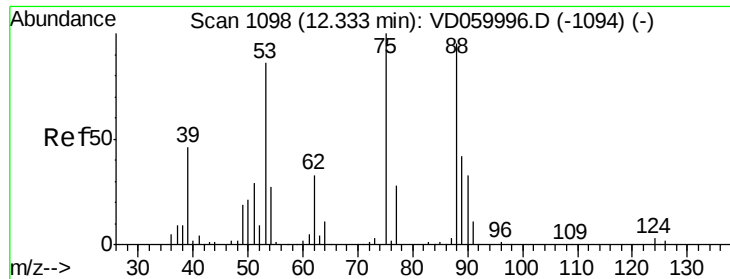
Tgt Ion: 105 Resp: 972654

Ion Ratio Lower Upper

105 100

120 46.4 24.4 73.2





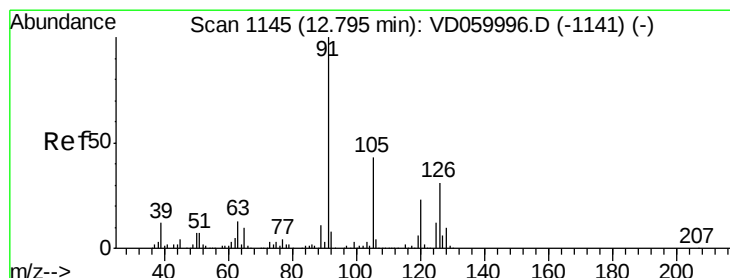
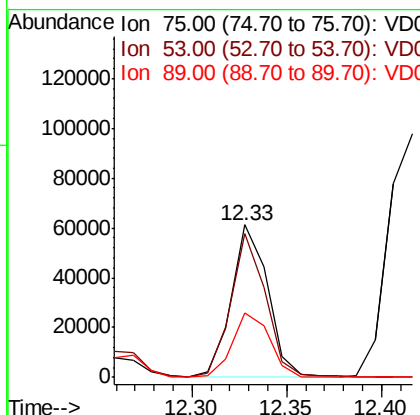
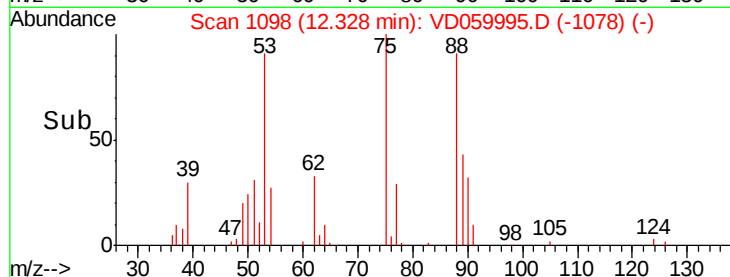
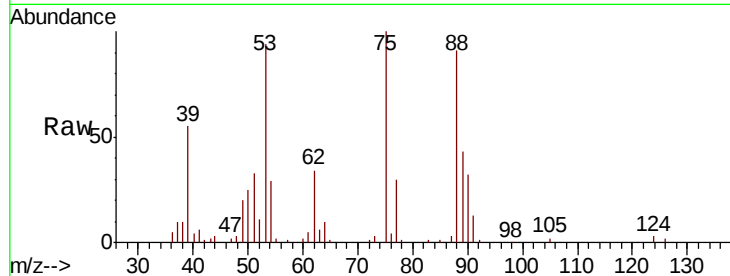
#81
trans-1,4-Dichloro-2-butene
Concen: 18.67 ug/l
RT: 12.33 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	68.4	102.6
89	42.6	33.8	50.6

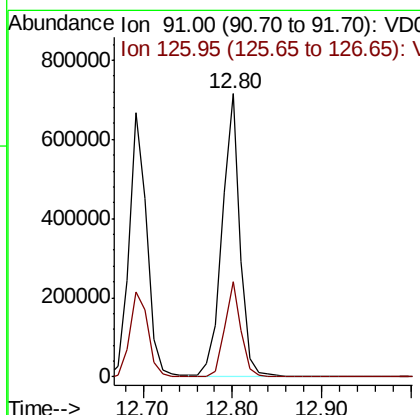
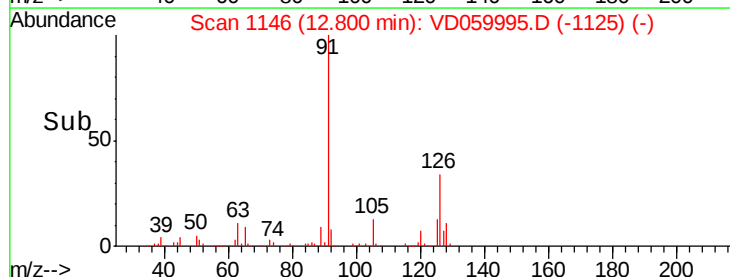
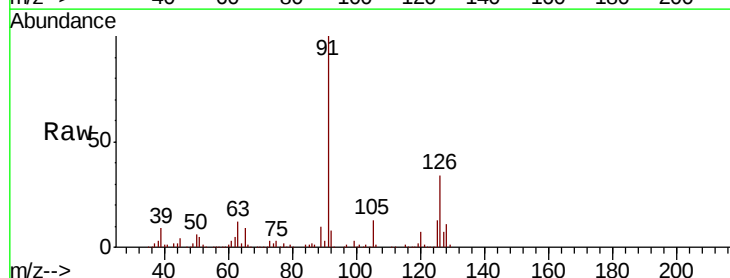
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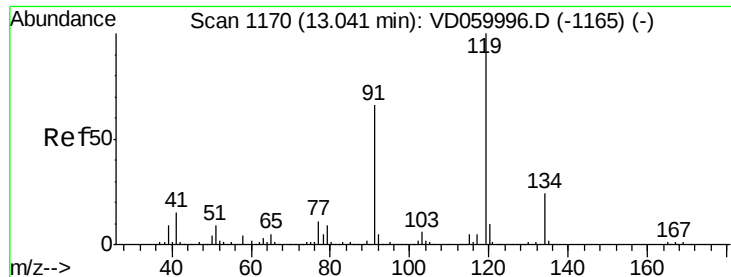
apatel
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#82
4-Chlorotoluene
Concen: 21.12 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	15.4	46.1





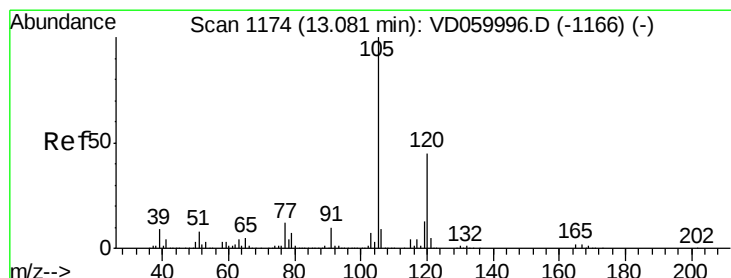
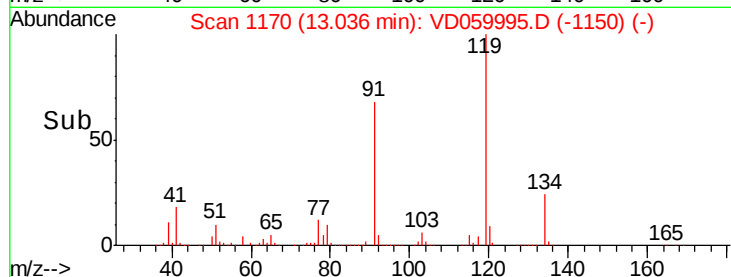
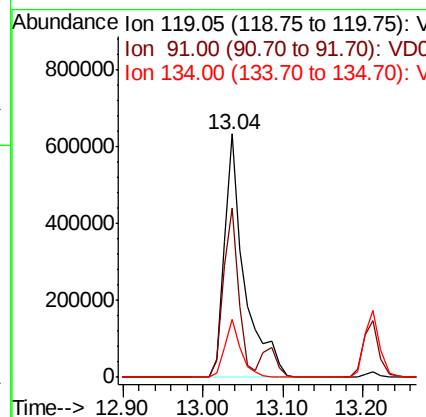
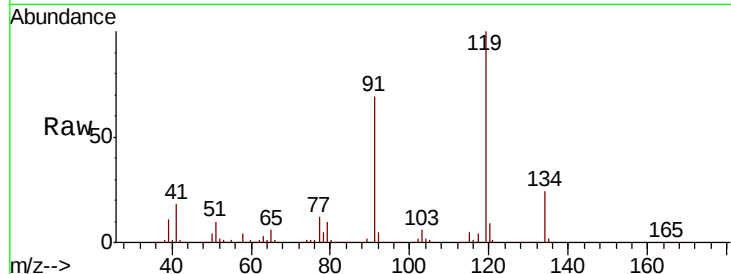
#83
tert-Butylbenzene
Concen: 21.16 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.4	32.9	98.6
134	23.6	12.0	36.0

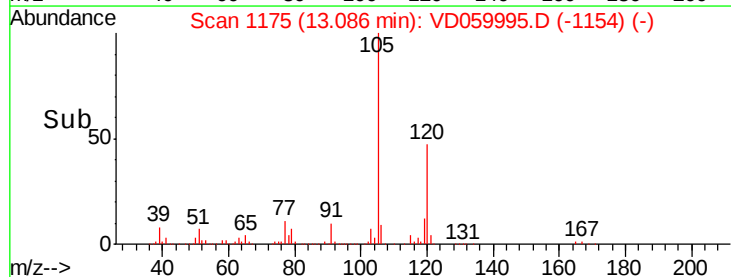
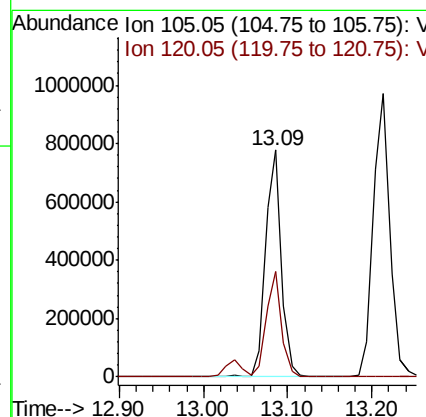
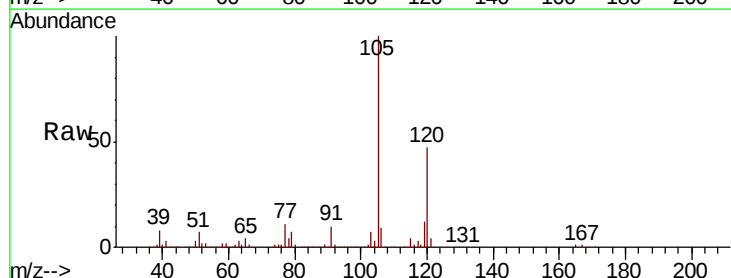
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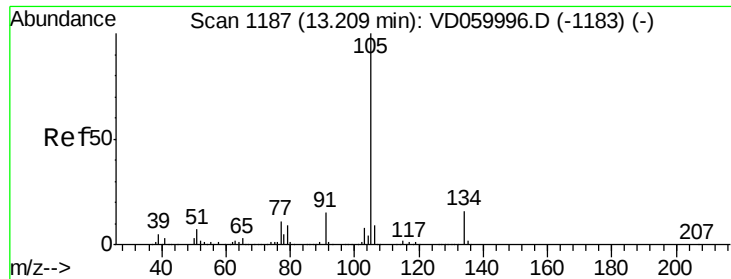
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#84
1,2,4-Trimethylbenzene
Concen: 21.44 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.4	67.0





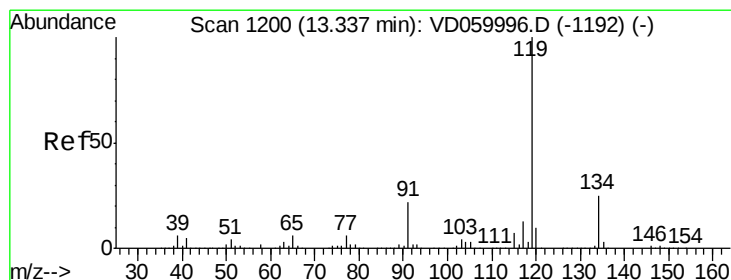
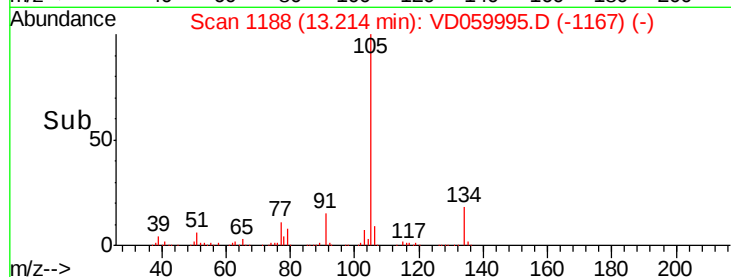
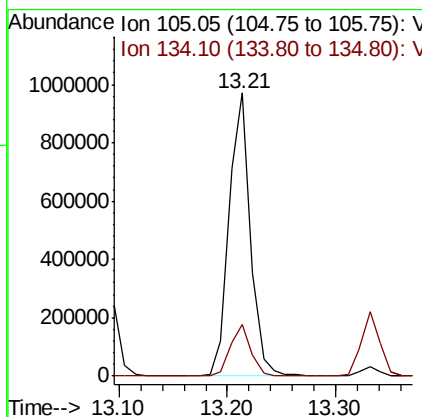
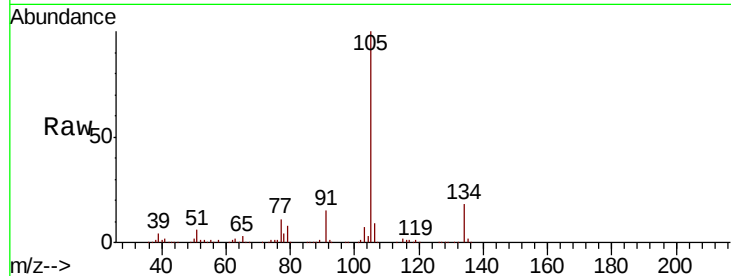
#85
 sec-Butylbenzene
 Concen: 21.31 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion:105 Resp: 1326021
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.6

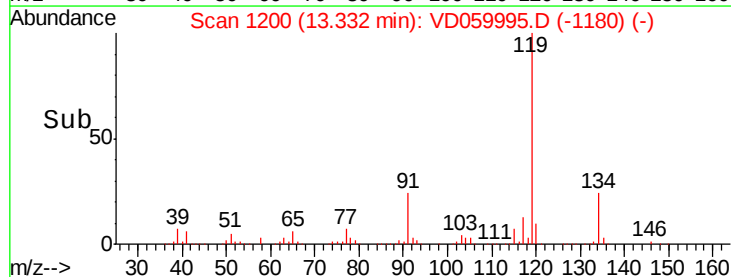
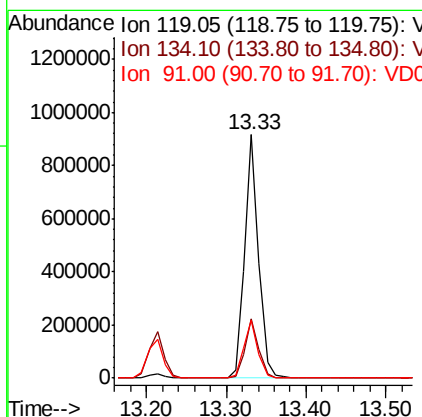
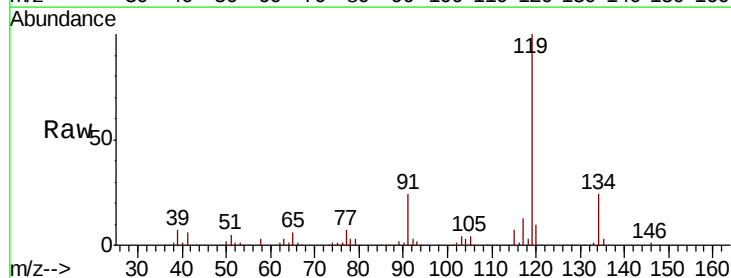
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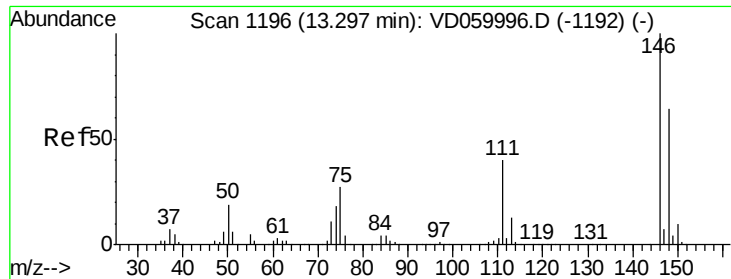
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.45 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion:119 Resp: 1096020
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.8 38.3
 91 23.8 11.1 33.3





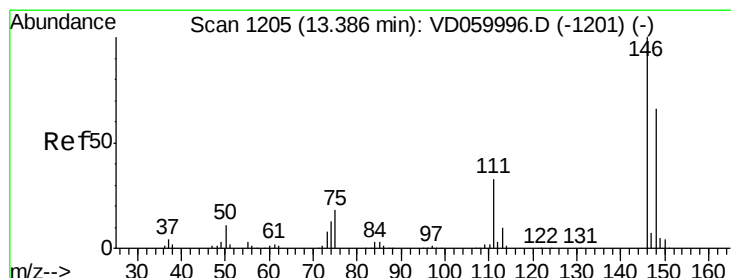
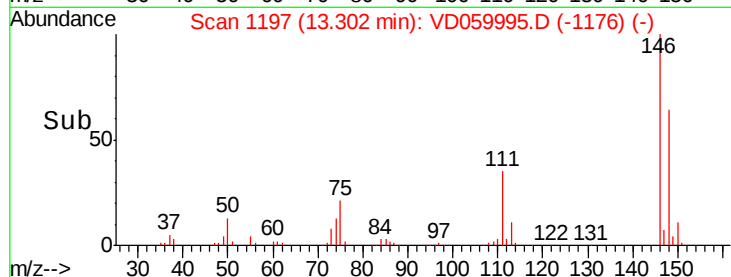
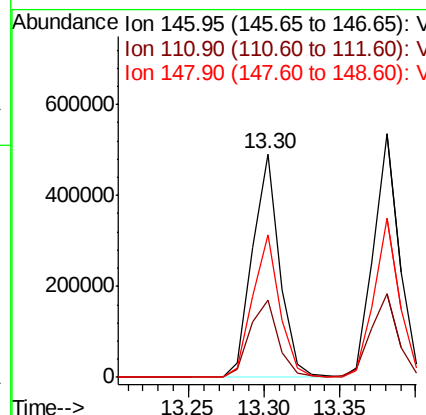
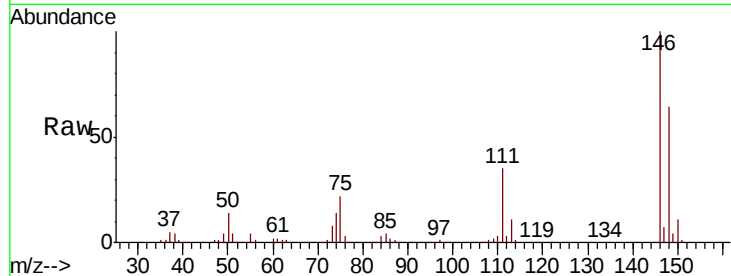
#87
 1,3-Dichlorobenzene
 Concen: 21.16 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	20.2	60.5
148	64.1	32.0	96.2

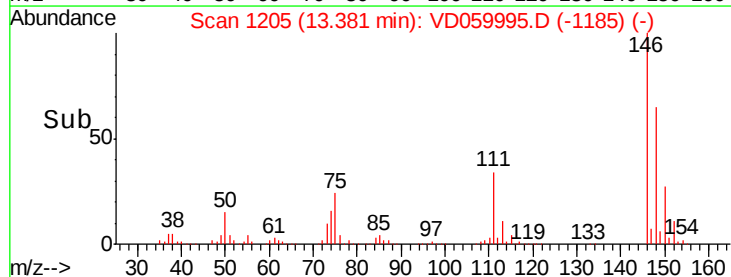
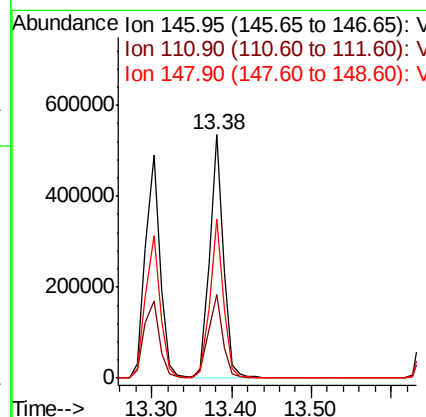
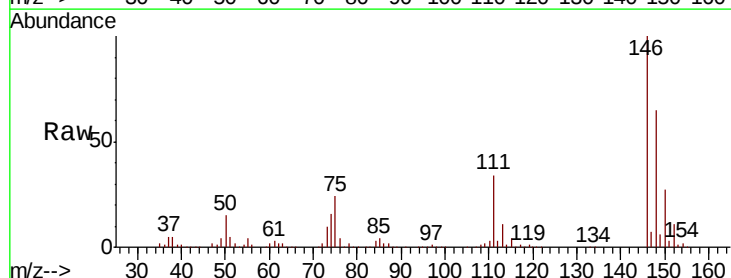
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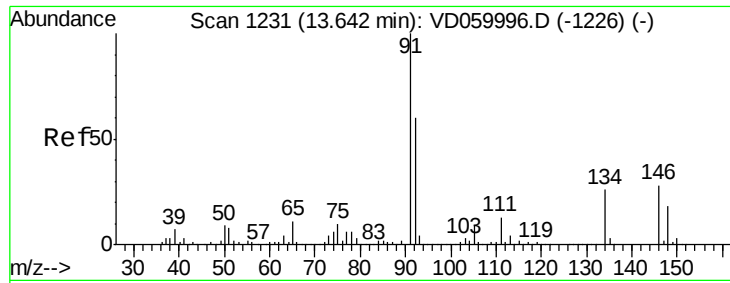
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.12 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.4	16.7	50.0
148	65.2	32.9	98.6





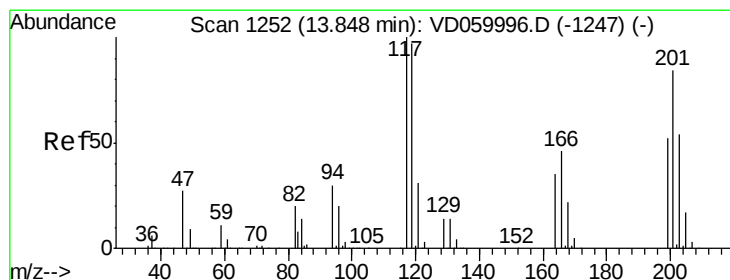
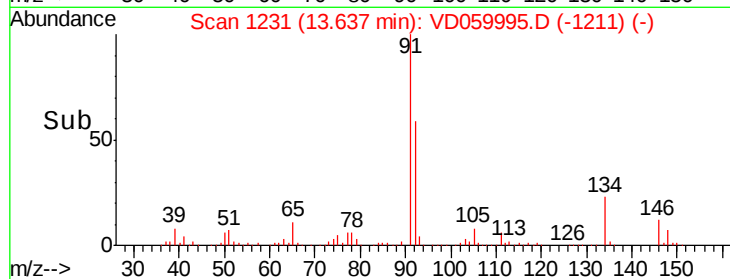
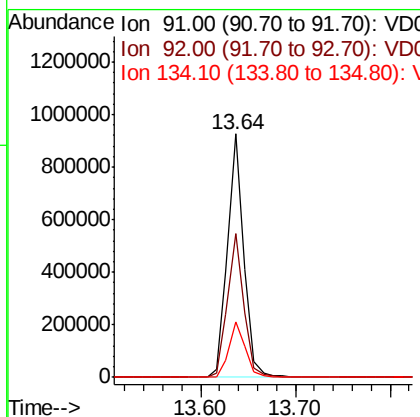
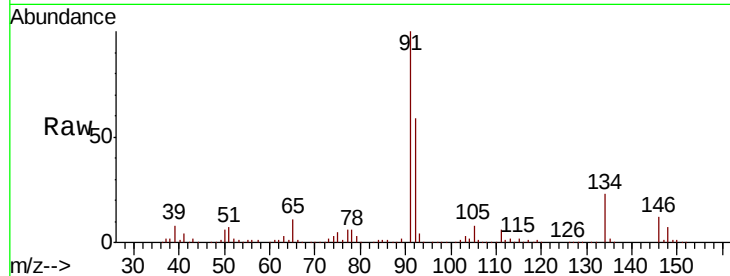
#89
n-Butylbenzene
Concen: 21.66 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 1105692
Ion Ratio Lower Upper
91 100
92 58.9 29.8 89.3
134 22.7 13.2 39.6

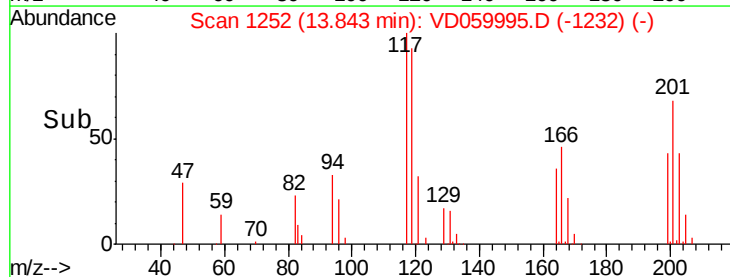
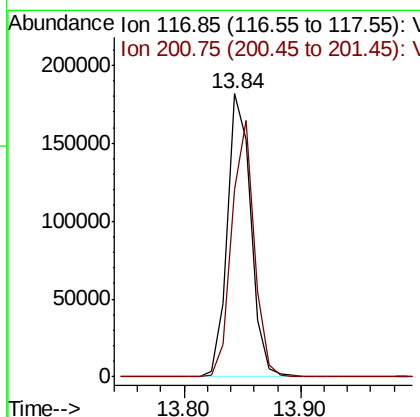
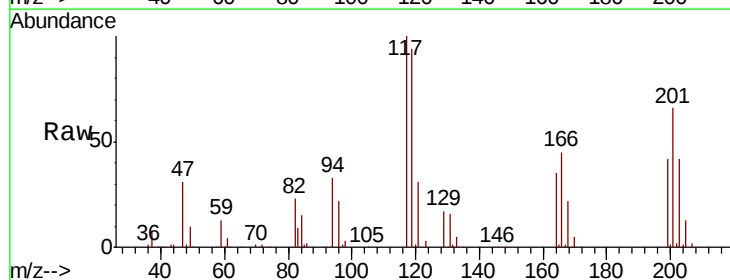
Manual Integrations
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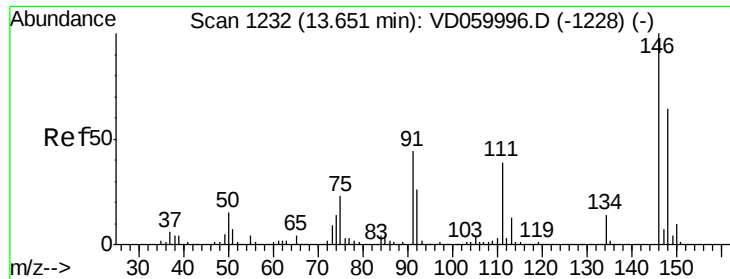
apatel
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#90
Hexachloroethane
Concen: 18.75 ug/l
RT: 13.84 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion: 117 Resp: 253727
Ion Ratio Lower Upper
117 100
201 66.4 42.1 126.4





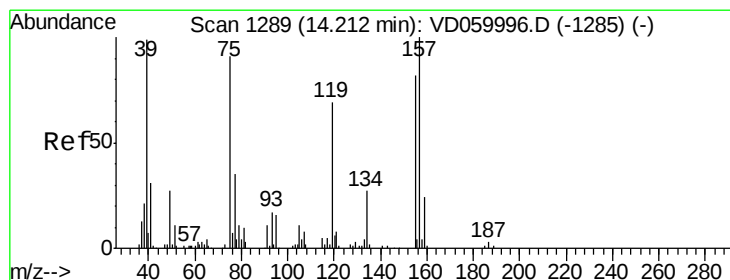
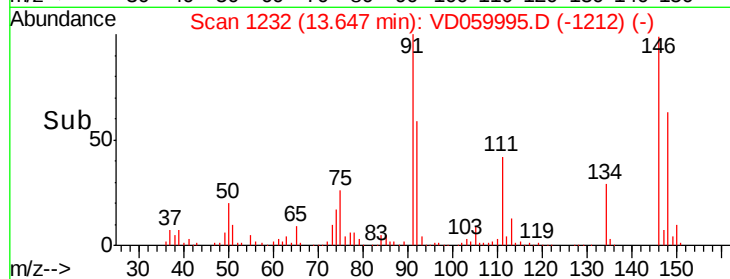
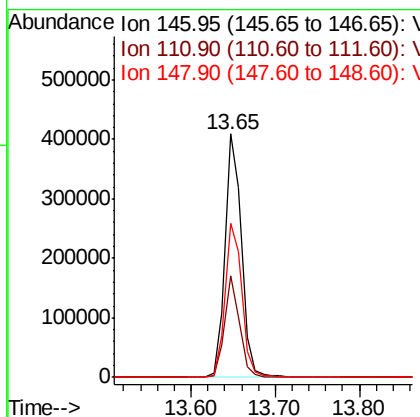
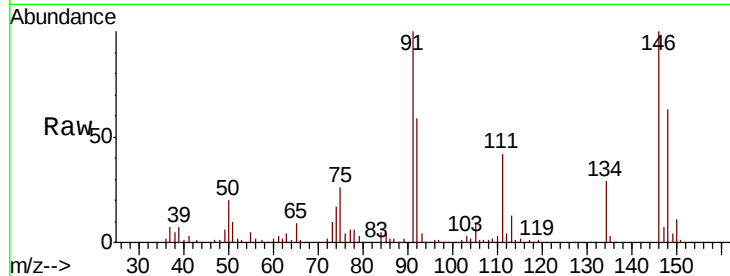
#91
 1,2-Dichlorobenzene
 Concen: 22.66 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	556862		
111	41.8	19.6	58.7	
148	63.5	31.9	95.7	

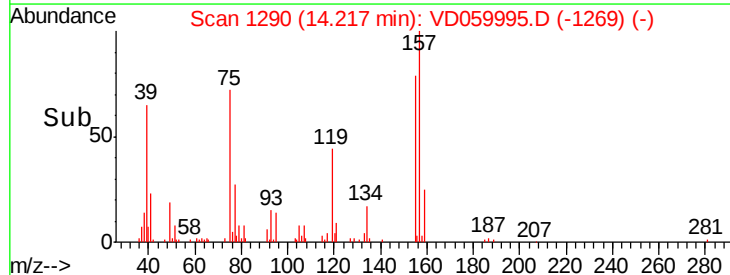
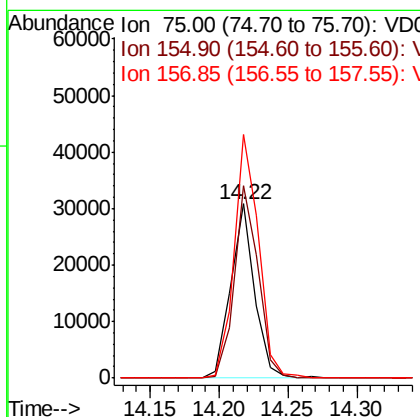
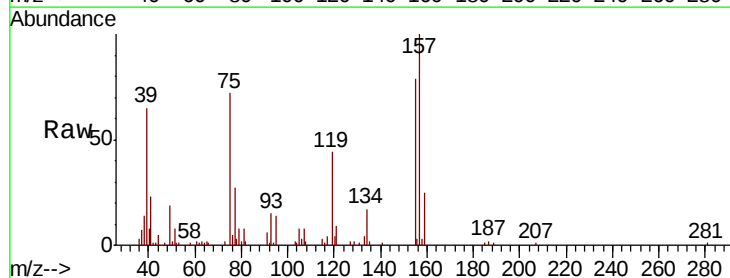
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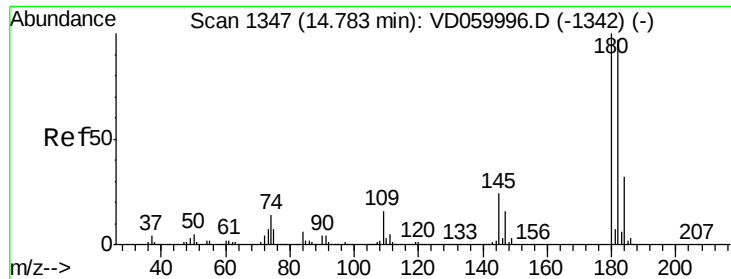
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.20 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36916		
155	110.1	44.7	134.1	
157	139.6	54.7	164.1	





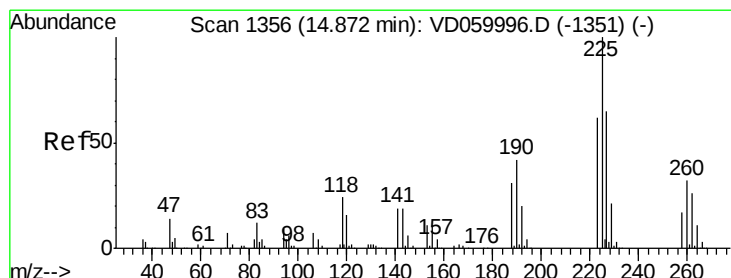
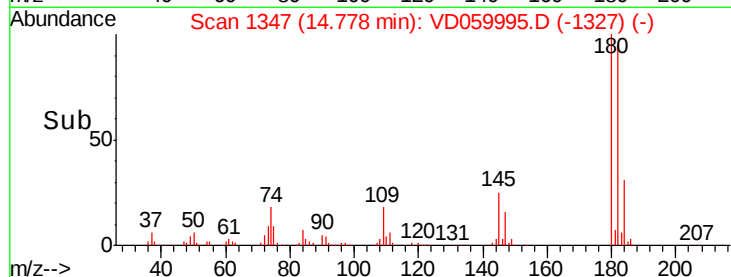
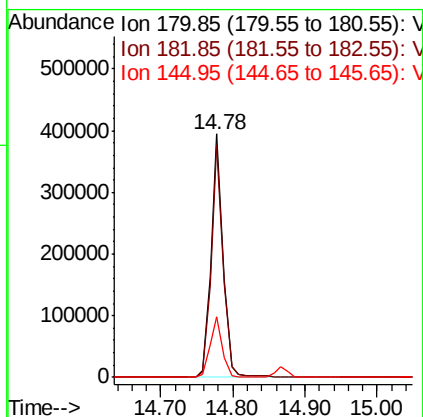
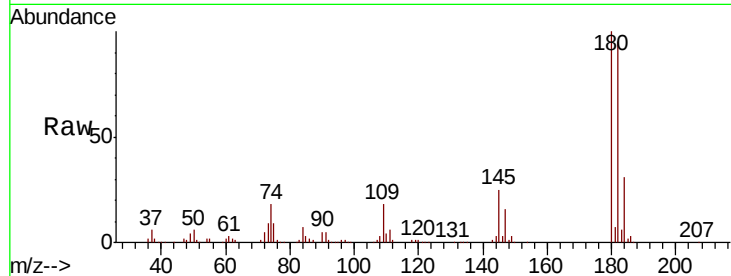
#93
 1,2,4-Trichlorobenzene
 Concen: 21.38 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	452001		
182	95.1	48.5	145.6	
145	24.9	11.9	35.7	

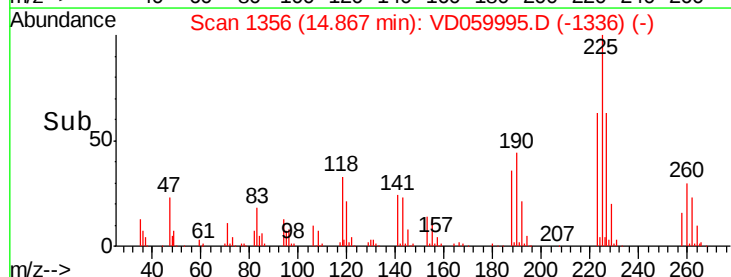
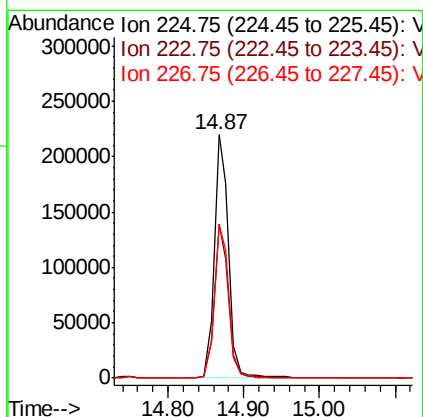
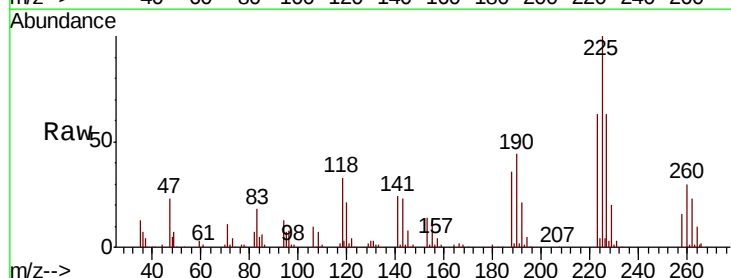
Manual Integrations
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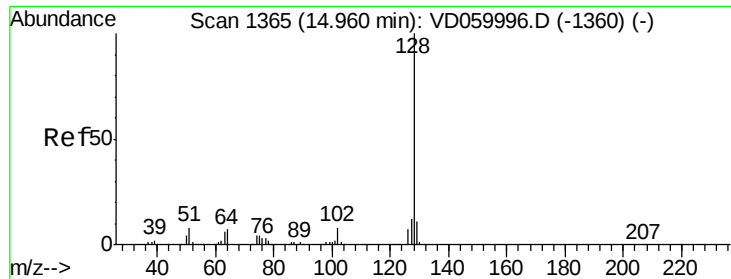
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#94
 Hexachlorobutadiene
 Concen: 21.11 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD059995.D
 Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	293477		
223	63.4	31.2	93.6	
227	62.9	32.3	96.8	





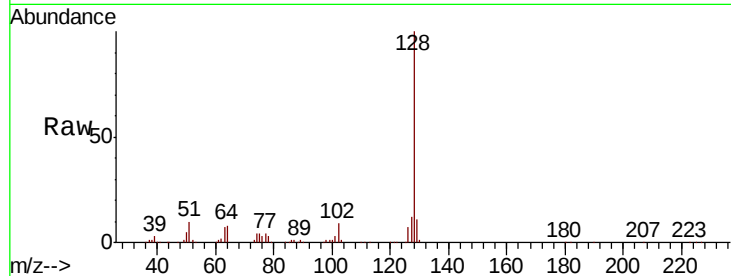
#95
Naphthalene
Concen: 20.41 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

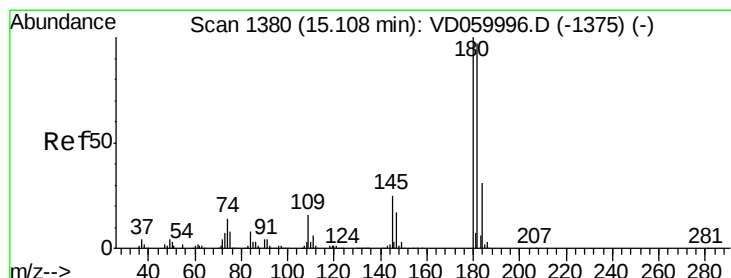
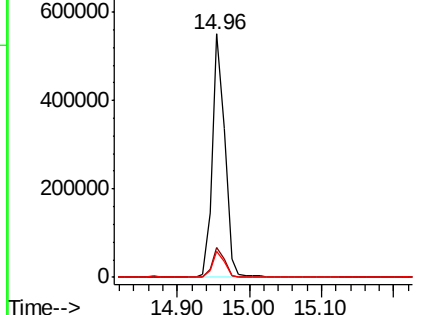
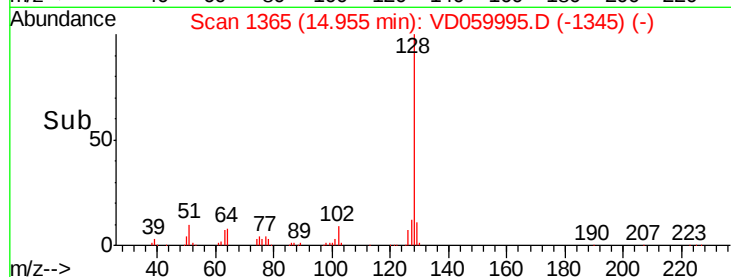
Tot Ion	Ratio	Resp	Lower	Upper
128	100	656390		
127	12.4		9.7	14.5
129	10.8		8.9	13.3

Manual Integrations
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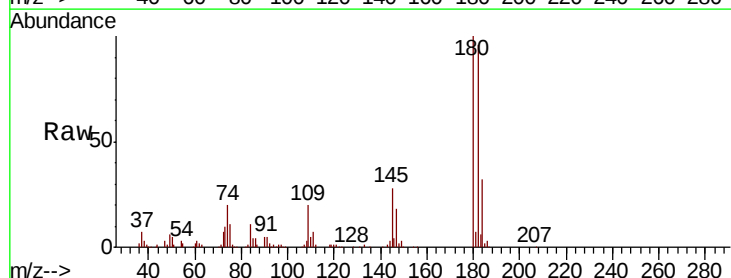


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.91 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD059995.D
Acq: 13 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	397190		
182	96.4		48.6	145.9
145	28.3		12.7	38.1



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

