

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060095.D
 Acq On : 28 Sep 2018 14:06
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

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 10/1/2018 3:59:00 PM

Quant Time: Sep 28 23:32:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1533606	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2062866	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1746007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	907708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	615145	51.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	6.32	113	839595	52.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	9.45	98	2337030	52.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.42	95	909453	53.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	274957	16.985	ug/l	99
3) Chloromethane	1.75	50	293198	20.504	ug/l	100
4) Vinyl Chloride	1.84	62	242925	21.132	ug/l	97
5) Bromomethane	2.13	94	20766	15.261	ug/l	91
6) Chloroethane	2.24	64	54657	21.267	ug/l	98
7) Trichlorofluoromethane	2.49	101	265082	20.945	ug/l	97
8) Diethyl Ether	2.82	74	58711	21.823	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	178314	22.344	ug/l	97
10) Methyl Iodide	3.23	142	167465	19.813	ug/l	94
11) Tert butyl alcohol	3.97	59	82440	85.428	ug/l	97
12) 1,1-Dichloroethene	3.06	96	142807	22.631	ug/l	90
13) Acrolein	2.98	56	43498	72.787	ug/l	96
14) Allyl chloride	3.53	41	282059	21.195	ug/l	97
15) Acrylonitrile	4.08	53	376441	103.342	ug/l	96
16) Acetone	3.15	43	281370	121.856	ug/l	99
17) Carbon Disulfide	3.30	76	447958	20.604	ug/l	98
18) Methyl Acetate	3.55	43	97832	20.833	ug/l #	92
19) Methyl tert-butyl Ether	4.12	73	601136	20.618	ug/l	99
20) Methylene Chloride	3.70	84	388273	19.191	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	336286	20.308	ug/l	96
22) Diisopropyl ether	4.84	45	1283949	21.151	ug/l	96
23) Vinyl Acetate	4.80	43	3690212	107.307	ug/l	100
24) 1,1-Dichloroethane	4.75	63	577827	21.212	ug/l	100
25) 2-Butanone	5.61	43	726273	116.560	ug/l	99
26) 2,2-Dichloropropane	5.58	77	439129	20.735	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	361299	20.859	ug/l	98
28) Bromochloromethane	5.92	49	288057	21.999	ug/l	96
29) Tetrahydrofuran	5.95	42	328065	98.177	ug/l	99
30) Chloroform	6.09	83	583013	21.104	ug/l	99
31) Cyclohexane	6.36	56	506124	19.056	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	473649	20.673	ug/l	99
36) 1,1-Dichloropropene	6.52	75	430428	21.005	ug/l	100
37) Ethyl Acetate	5.69	43	290973	20.649	ug/l	97
38) Carbon Tetrachloride	6.49	117	393441	20.568	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	478278	20.633	ug/l	98
40) Benzene	6.79	78	1134100	21.715	ug/l	100
41) Methacrylonitrile	5.92	41	151669m	20.550	ug/l	
42) 1,2-Dichloroethane	6.89	62	323501	20.629	ug/l	97
43) Isopropyl Acetate	8.35	43	384063	20.356	ug/l #	99
44) Trichloroethene	7.74	130	349600	21.665	ug/l	98
45) 1,2-Dichloropropane	8.10	63	287409	20.580	ug/l	100
46) Dibromomethane	8.21	93	190706	20.929	ug/l	98
47) Bromodichloromethane	8.49	83	412129	20.978	ug/l	99
48) Methyl methacrylate	8.24	41	210952	20.076	ug/l	100
49) 1,4-Dioxane	8.22	88	41568	398.284	ug/l	98
51) 4-Methyl-2-Pentanone	9.34	43	1540397	112.192	ug/l	97
52) Toluene	9.55	92	725918	21.684	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	386490	21.093	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	462149	21.110	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	241590	20.785	ug/l	94
56) Ethyl methacrylate	10.03	69	267047	20.714	ug/l	99
57) 1,3-Dichloropropane	10.39	76	372419	21.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	697437	112.028	ug/l	100
59) 2-Hexanone	10.48	43	1126391	114.237	ug/l	98
60) Dibromochloromethane	10.64	129	296168	20.935	ug/l	98
61) 1,2-Dibromoethane	10.76	107	248377	20.697	ug/l	96
64) Tetrachloroethene	10.25	164	305175	19.810	ug/l	98
65) Chlorobenzene	11.31	112	807089	21.500	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	274879	21.711	ug/l	99
67) Ethyl Benzene	11.43	91	1353745	22.409	ug/l	100
68) m/p-Xylenes	11.57	106	1032098	46.260	ug/l	97
69) o-Xylene	11.93	106	473967	21.440	ug/l	97
70) Styrene	11.96	104	809349	21.774	ug/l	100
71) Bromoform	12.12	173	210087	19.313	ug/l	100
73) Isopropylbenzene	12.27	105	1338546	22.485	ug/l	99
74) N-amyl acetate	12.14	43	485198	20.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	283605	21.000	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	290132	20.928	ug/l	100
77) Bromobenzene	12.54	156	376068	21.930	ug/l	99
78) n-propylbenzene	12.64	91	1688804	22.559	ug/l	99
79) 2-Chlorotoluene	12.71	91	914115	21.634	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	1026375	22.494	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	75876	18.131	ug/l	94
82) 4-Chlorotoluene	12.81	91	1062973	22.882	ug/l	100
83) tert-Butylbenzene	13.04	119	1189422	22.501	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	1075575	22.089	ug/l	99
85) sec-Butylbenzene	13.22	105	1392089	22.185	ug/l	100
86) p-Isopropyltoluene	13.34	119	1138539	22.434	ug/l	95
87) 1,3-Dichlorobenzene	13.31	146	650066	21.799	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	672617	22.238	ug/l	95
89) n-Butylbenzene	13.64	91	1175880	21.601	ug/l	96
90) Hexachloroethane	13.86	117	260286	20.707	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	578764	21.062	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37085	18.013	ug/l	93

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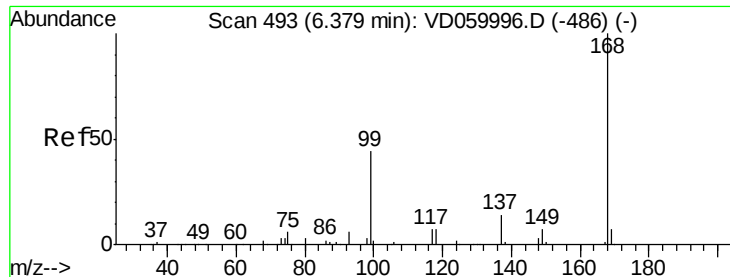
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	455792	21.448	ug/l	97
94) Hexachlorobutadiene	14.88	225	312225	22.211	ug/l	98
95) Naphthalene	14.97	128	681853	20.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	385859	20.604	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:168 Resp: 1533606

Ion Ratio Lower Upper

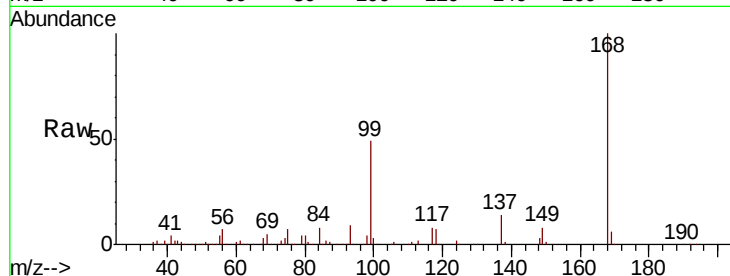
168 100

99 49.1 38.5 57.7

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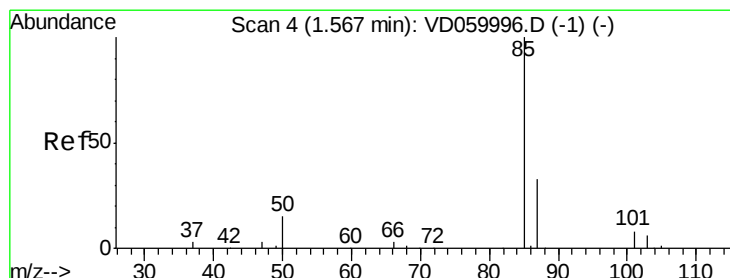
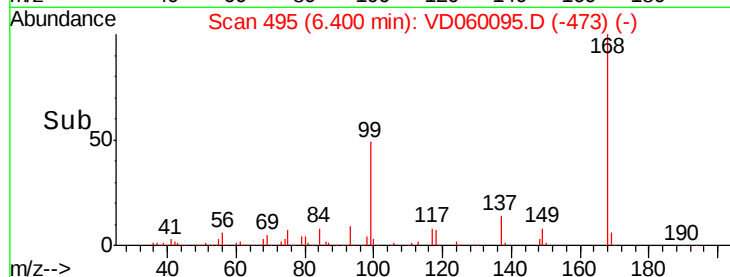
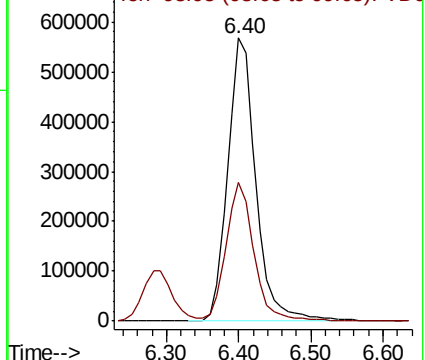
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.985 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060095.D

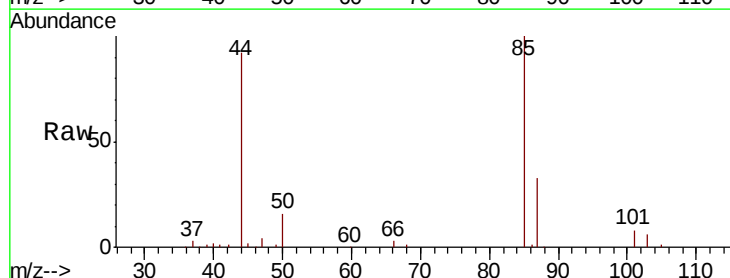
Acq: 28 Sep 2018 14:06

Tgt Ion: 85 Resp: 274957

Ion Ratio Lower Upper

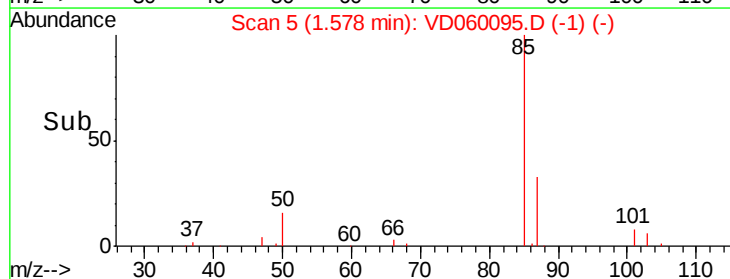
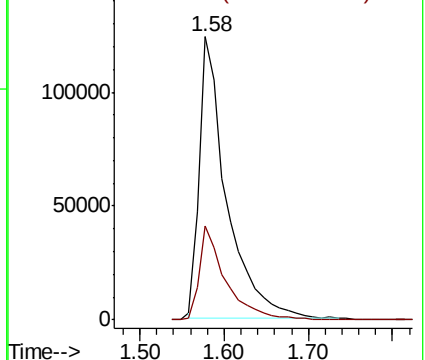
85 100

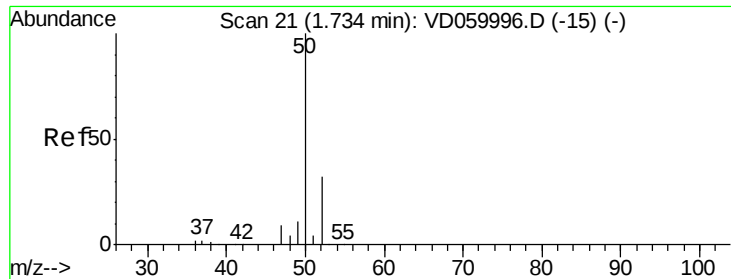
87 33.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.504 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

Tot Ion: 50 Resp: 293198

Ion Ratio Lower Upper

50 100

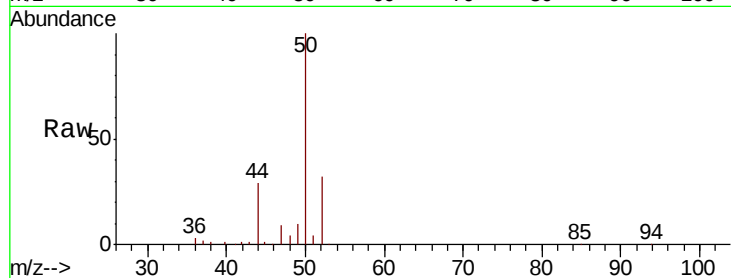
52 31.9 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

120000

100000

80000

60000

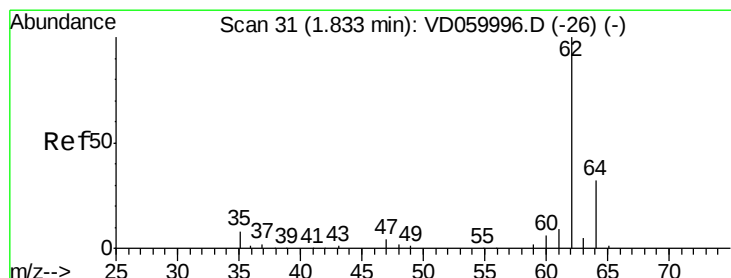
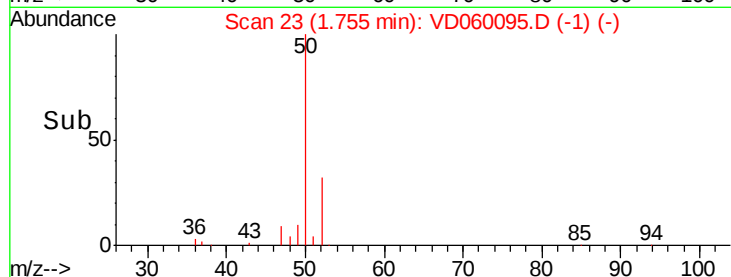
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 21.132 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060095.D

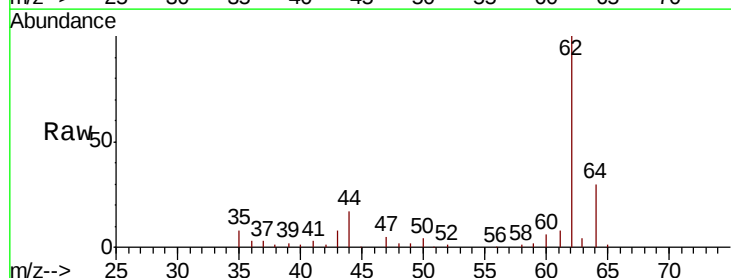
Acq: 28 Sep 2018 14:06

Tgt Ion: 62 Resp: 242925

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

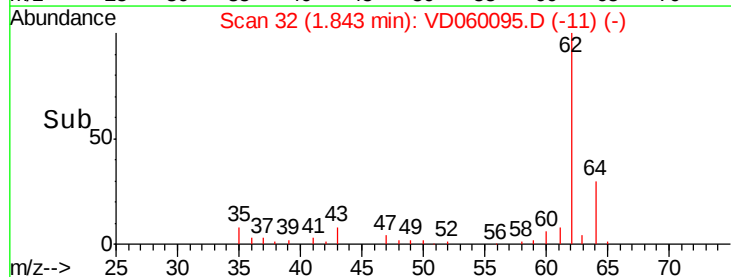
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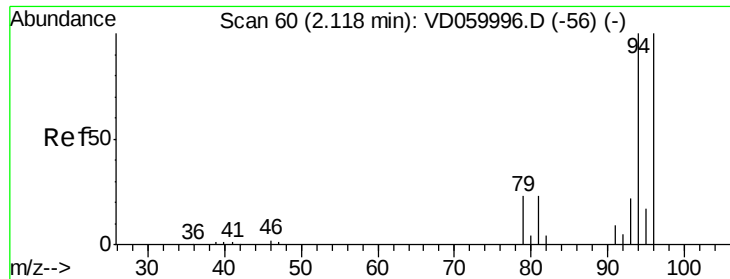
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 15.261 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 94 Resp: 20766

Ion Ratio Lower Upper

94 100

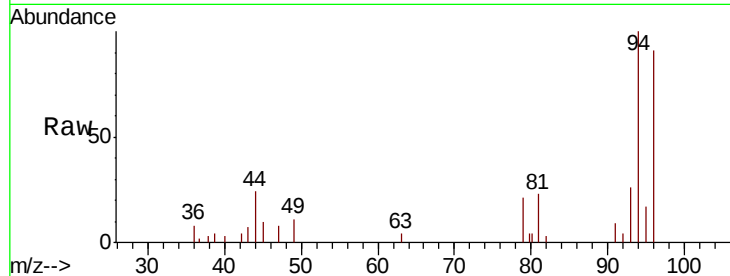
96 90.6 79.8 119.8

Manual Integrations

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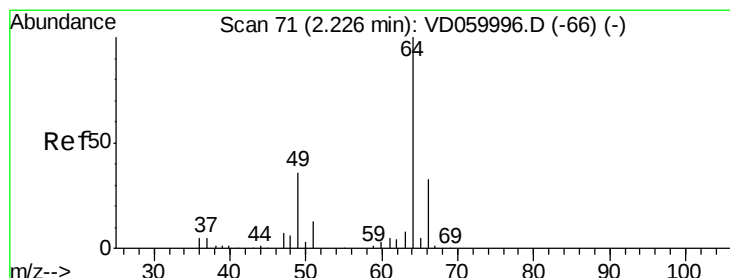
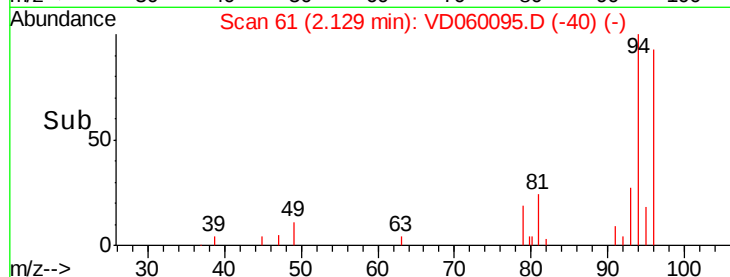
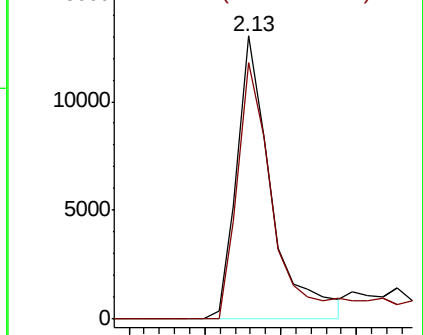
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.267 ug/l

RT: 2.24 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060095.D

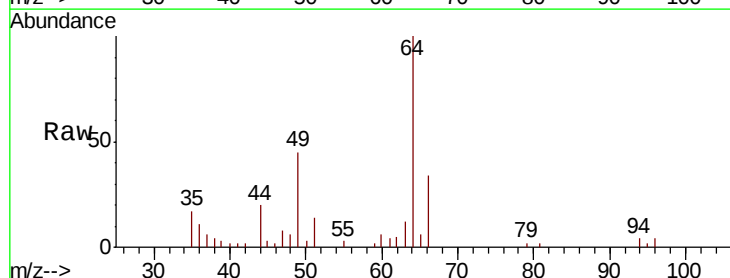
Acq: 28 Sep 2018 14:06

Tgt Ion: 64 Resp: 54657

Ion Ratio Lower Upper

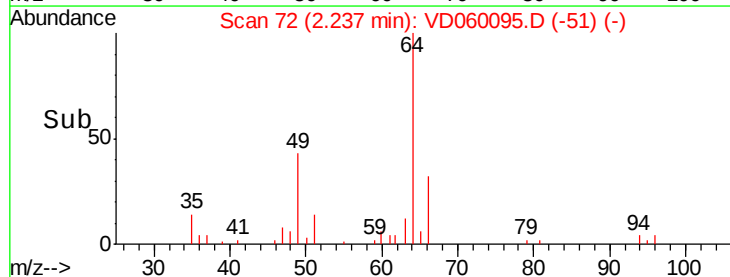
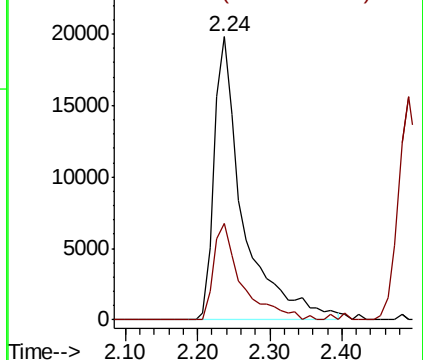
64 100

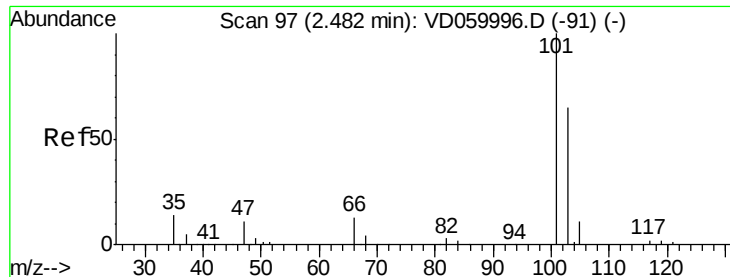
66 34.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

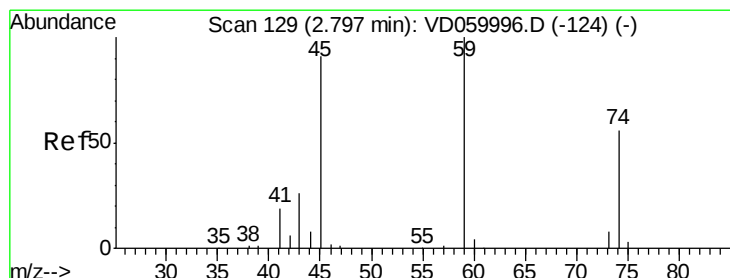
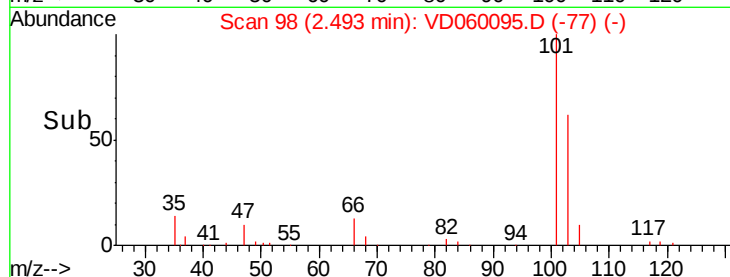
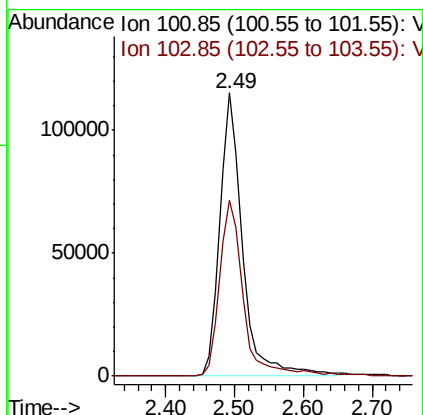
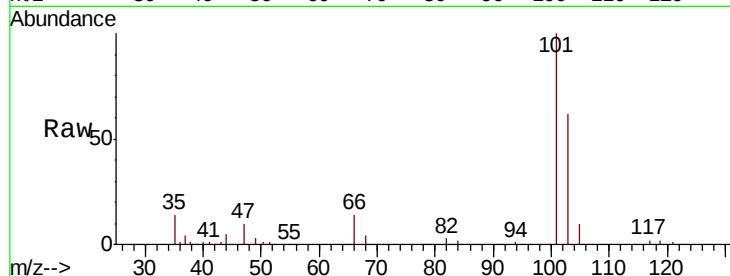
Trichlorofluoromethane
 Concen: 20.945 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion: 101 Resp: 265082
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.6 77.4

Manual Integrations
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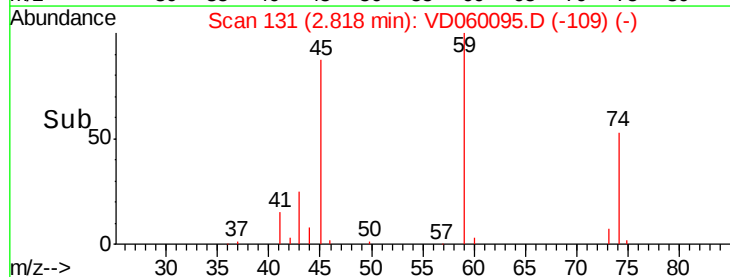
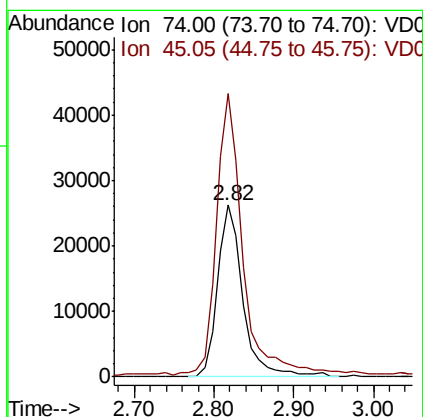
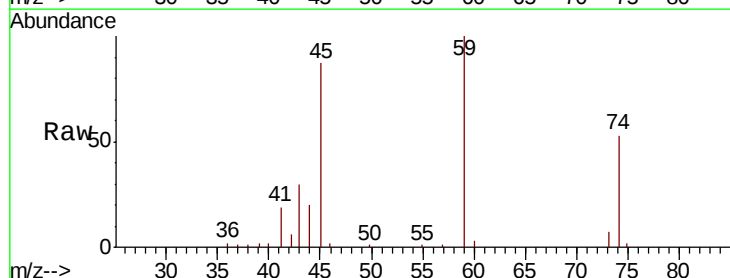
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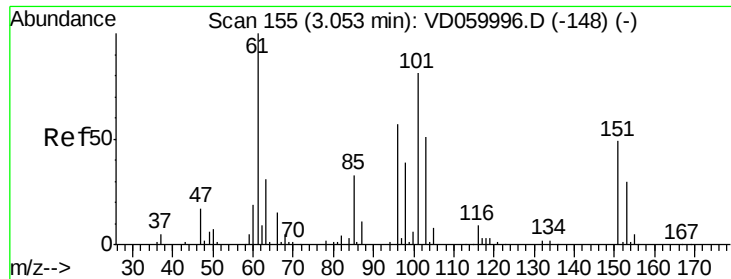


#8

Diethyl Ether
 Concen: 21.823 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion: 74 Resp: 58711
 Ion Ratio Lower Upper
 74 100
 45 165.0 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.344 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

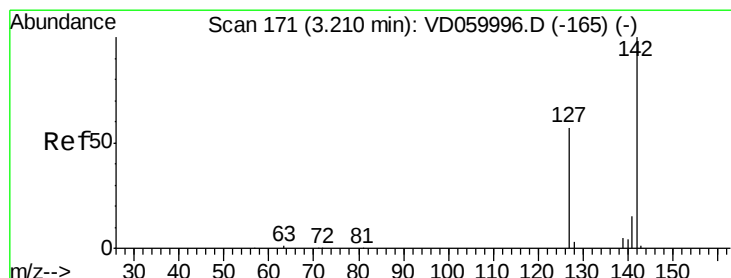
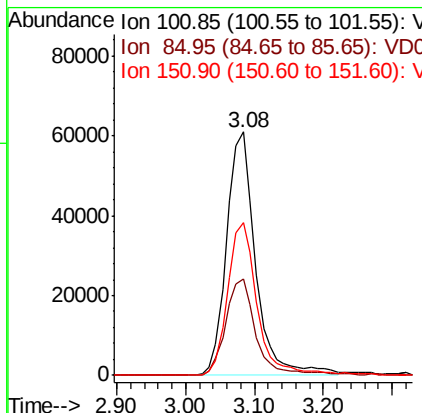
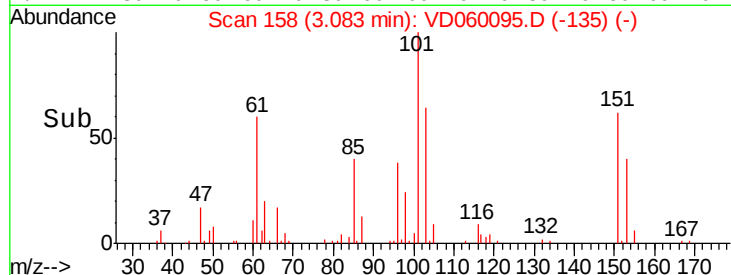
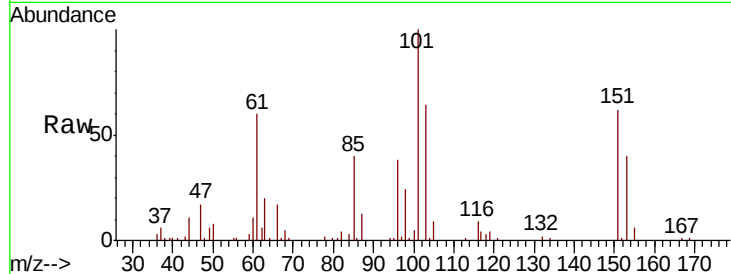
ClientSampleId :

VD0928SBSD01

Tot Ion:	101	Resp:	178314
Ion Ratio	Lower	Upper	
101	100		
85	39.7	33.1	49.7
151	62.5	48.2	72.4

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#10

Methyl Iodide

Concen: 19.813 ug/l

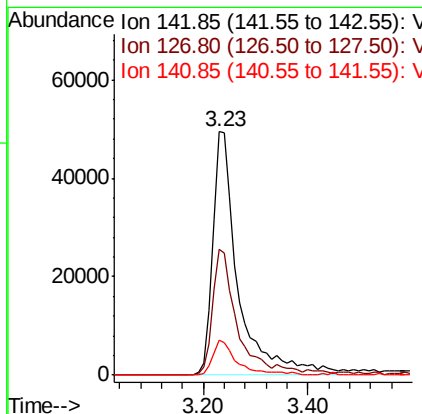
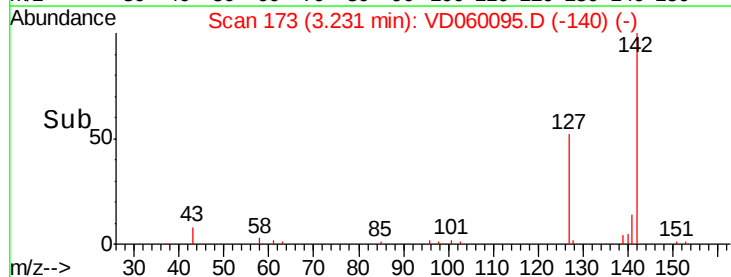
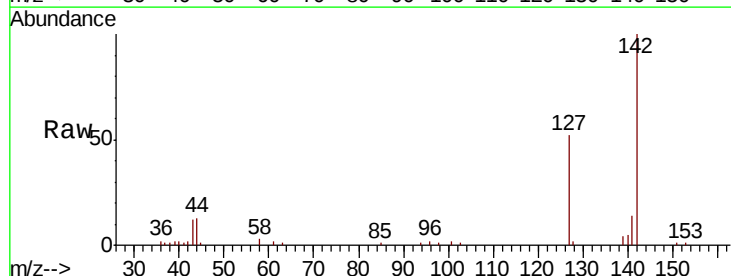
RT: 3.23 min Scan# 173

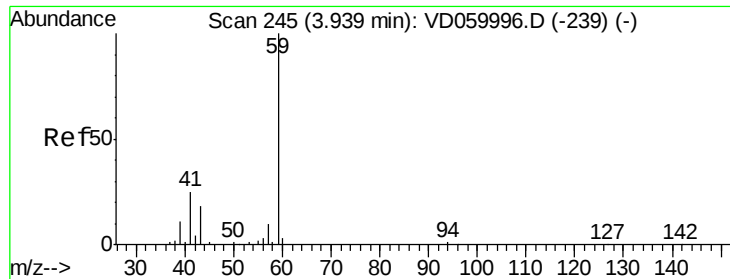
Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	142	Resp:	167465
Ion Ratio	Lower	Upper	
142	100		
127	51.9	45.8	68.8
141	14.3	12.2	18.4





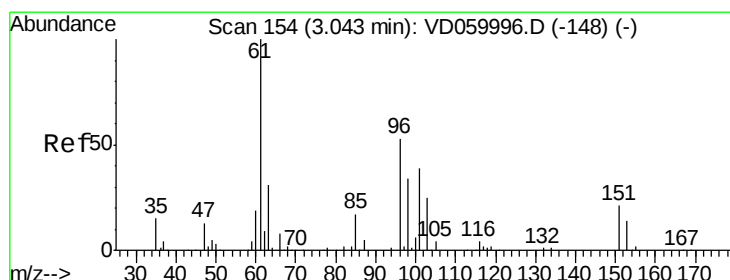
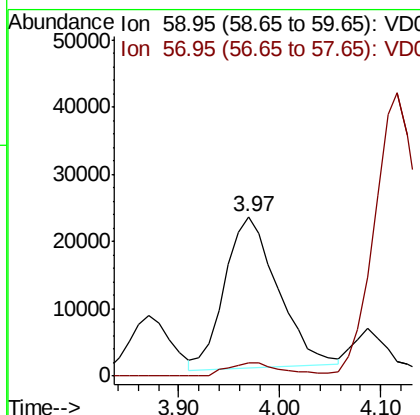
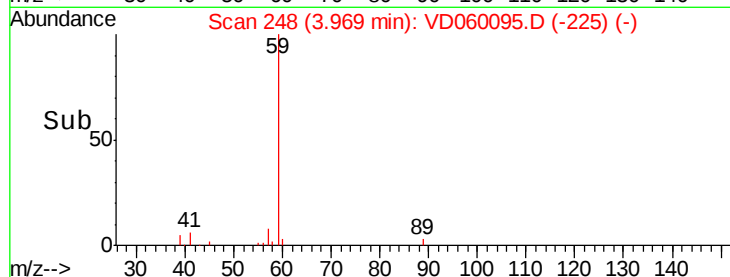
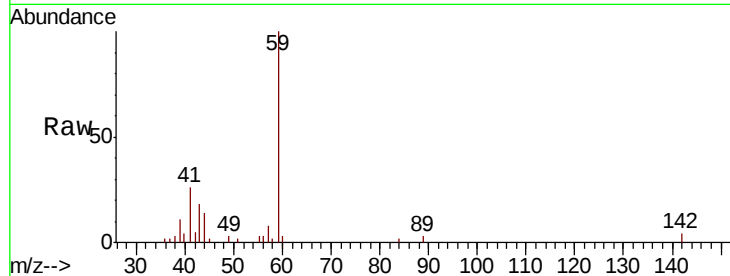
#11
Tert butyl alcohol
Concen: 85.428 ug/l
RT: 3.97 min Scan# 248
Delta R.T. 0.03 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion: 59 Resp: 82440
Ion Ratio Lower Upper
59 100
57 8.1 7.4 11.2

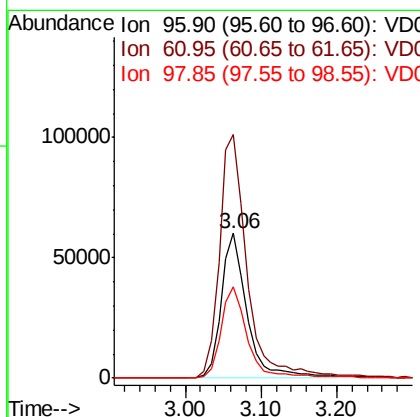
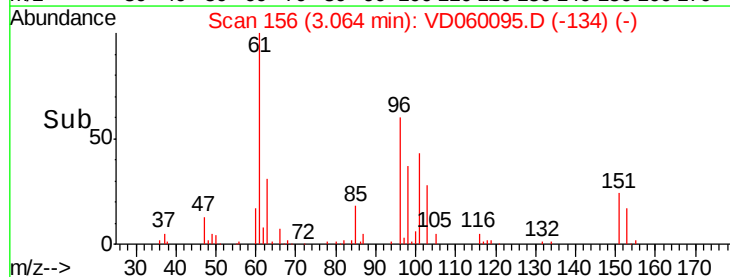
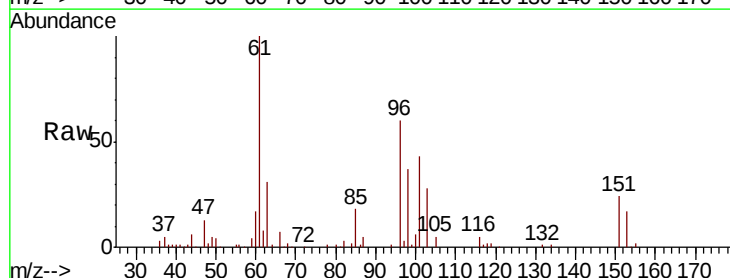
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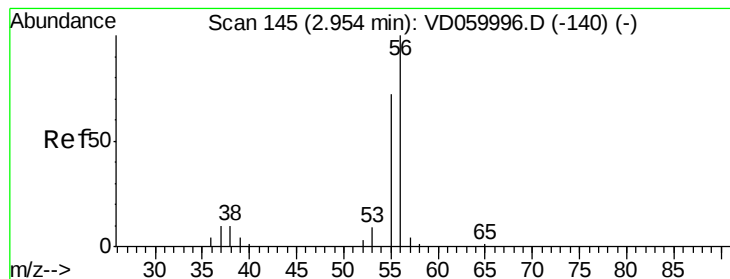
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#12
1,1-Dichloroethene
Concen: 22.631 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 96 Resp: 142807
Ion Ratio Lower Upper
96 100
61 167.9 149.8 224.6
98 62.9 50.2 75.4





#13

Acrolein

Concen: 72.787 ug/l

RT: 2.98 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 56 Resp: 43498

Ion Ratio Lower Upper

56 100

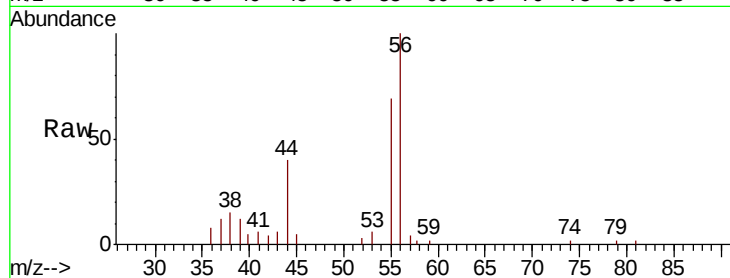
55 69.2 58.3 87.5

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

15000

10000

5000

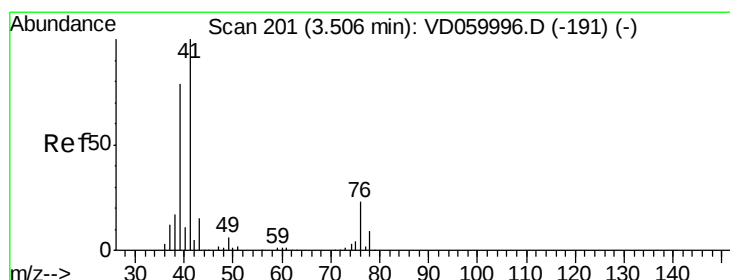
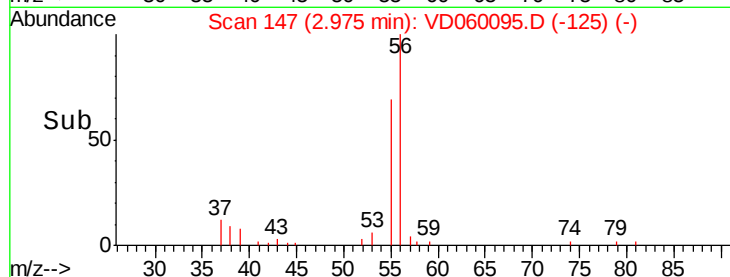
0

2.90

3.00

3.10

Time-->



#14

Allyl chloride

Concen: 21.195 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

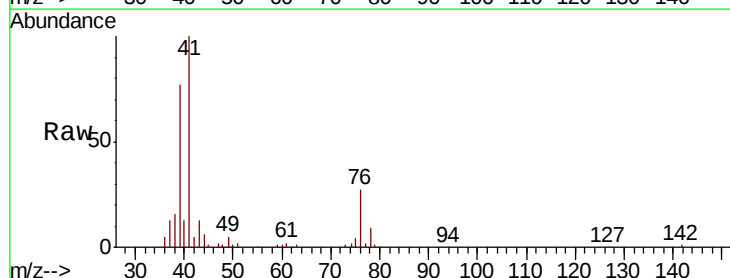
Tgt Ion: 41 Resp: 282059

Ion Ratio Lower Upper

41 100

39 76.6 63.6 95.4

76 27.4 21.1 31.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

100000

50000

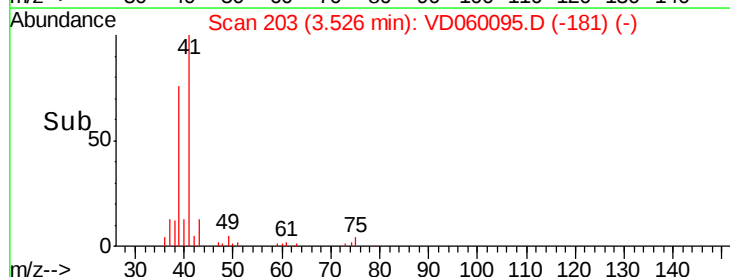
0

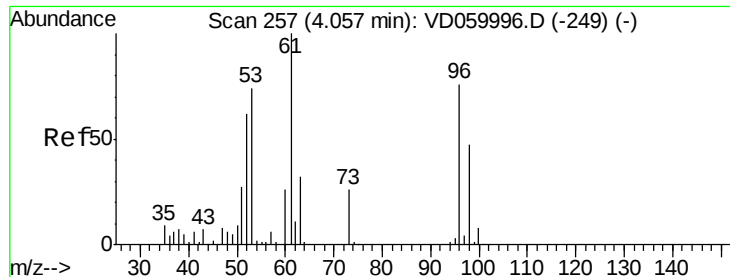
3.40

3.50

3.60

Time-->





#15

Acrylonitrile

Concen: 103.342 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

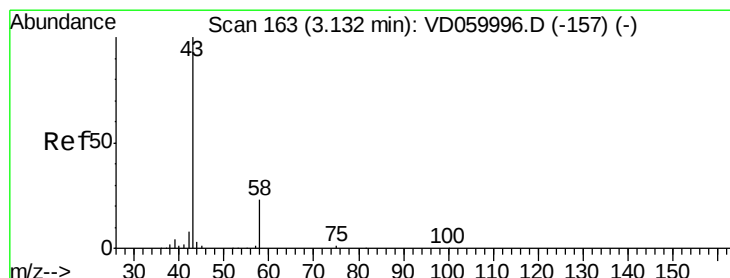
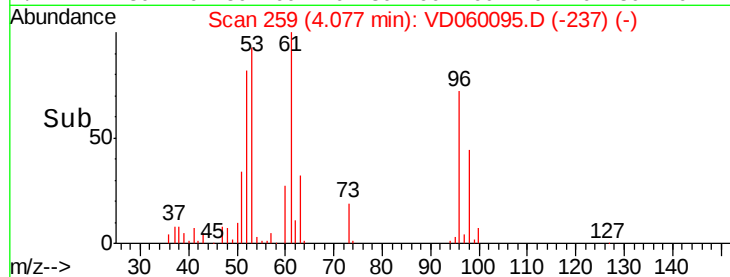
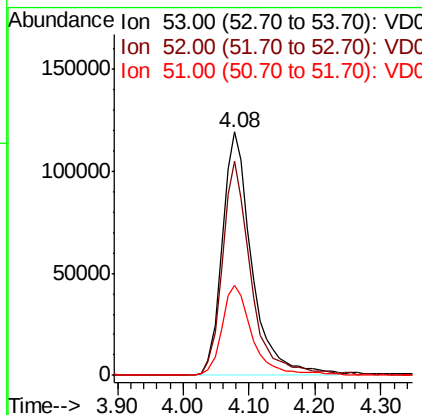
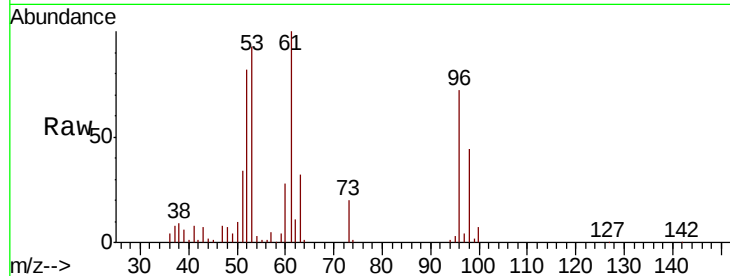
ClientSampleId :

VD0928SBS01

Tot Ion:	53	Resp:	376441
Ion	Ratio	Lower	Upper
53	100		
52	88.0	66.7	100.1
51	37.0	29.0	43.6

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#16

Acetone

Concen: 121.856 ug/l

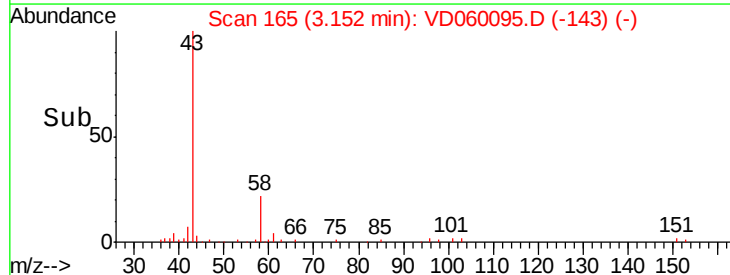
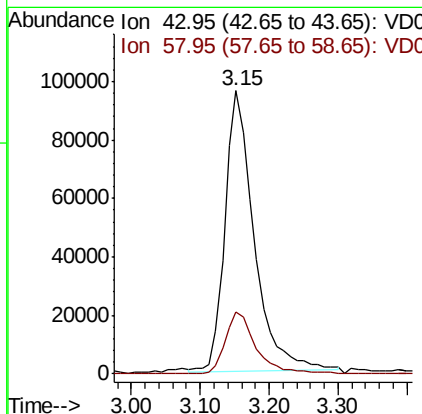
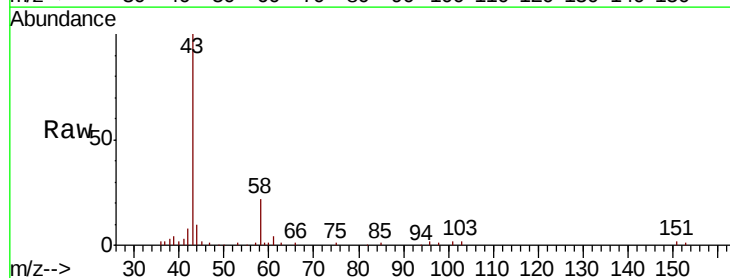
RT: 3.15 min Scan# 165

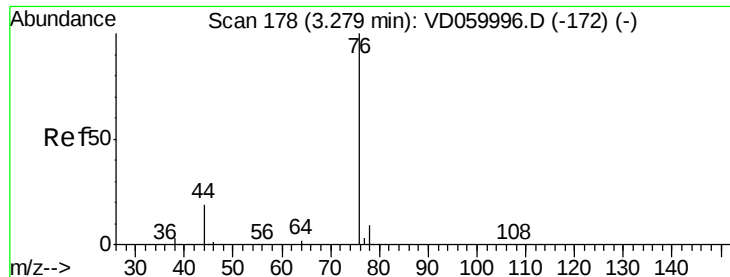
Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	43	Resp:	281370
Ion	Ratio	Lower	Upper
43	100		
58	22.0	18.1	27.1





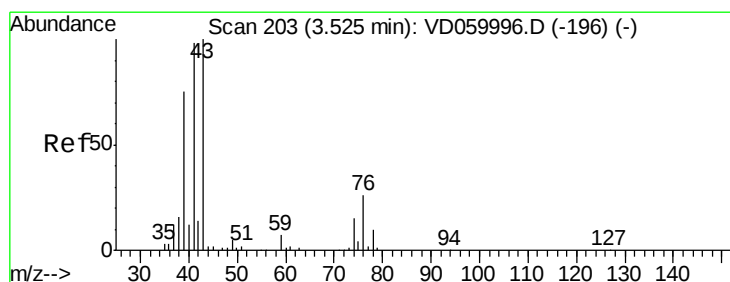
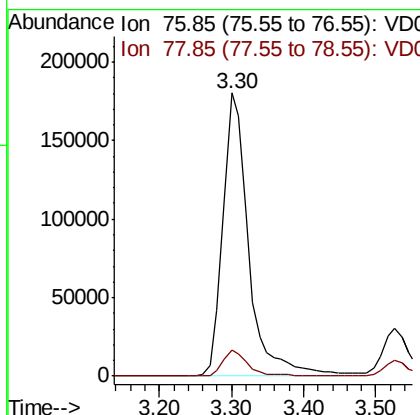
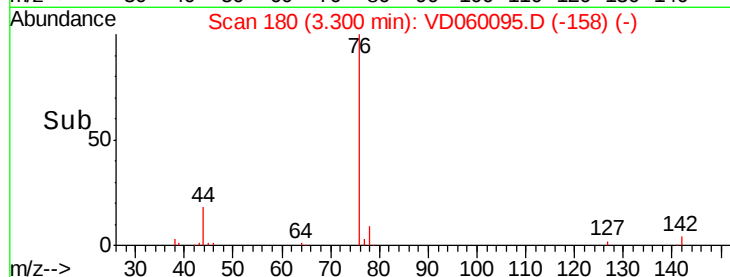
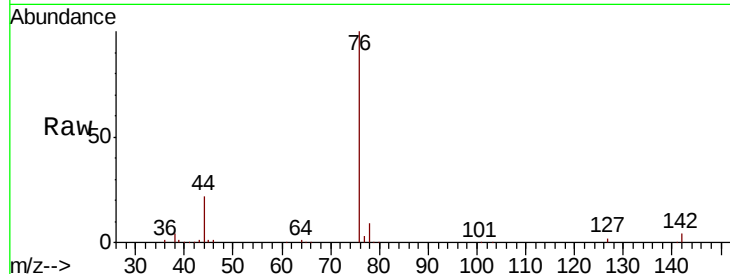
#17
Carbon Disulfide
Concen: 20.604 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 76 Resp: 447958
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

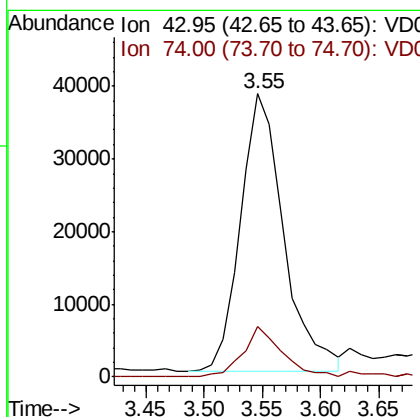
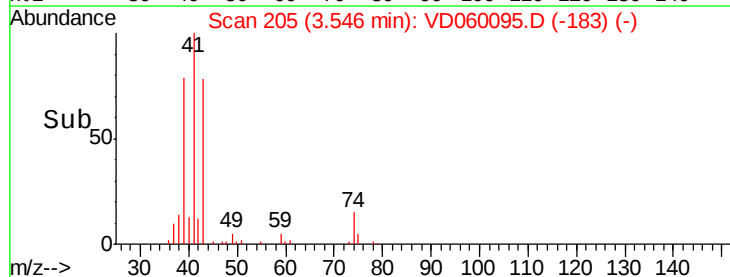
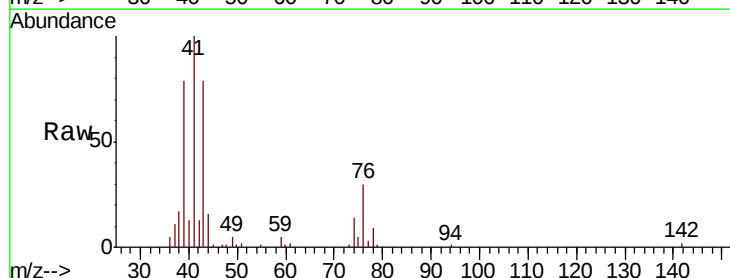
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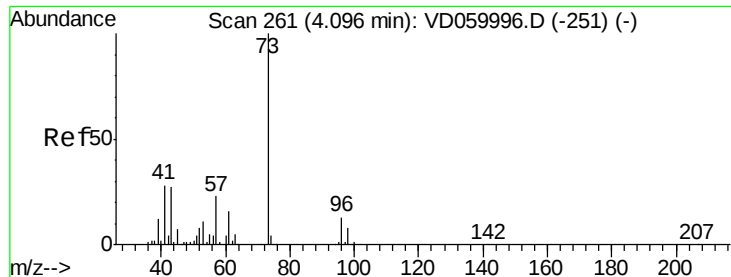
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#18
Methyl Acetate
Concen: 20.833 ug/l
RT: 3.55 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 43 Resp: 97832
Ion Ratio Lower Upper
43 100
74 18.0 11.8 17.8#





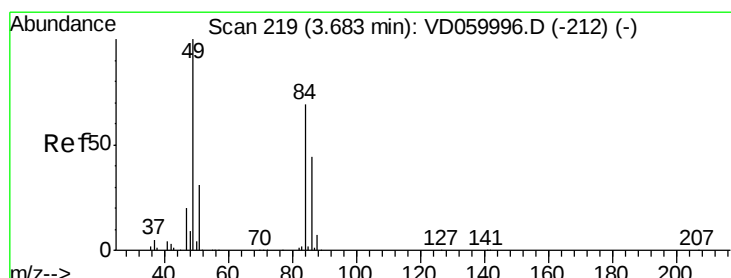
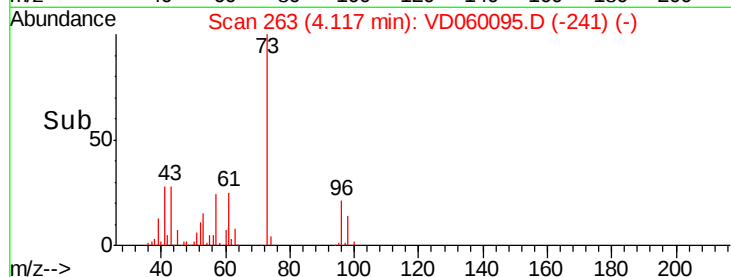
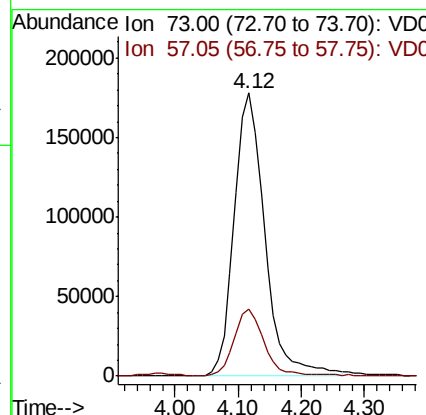
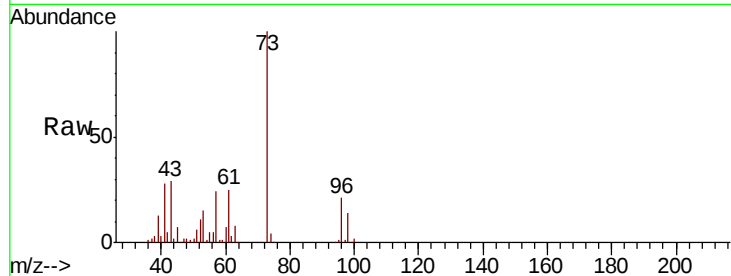
#19
Methvl tert-butvl Ether
Concen: 20.618 ug/l
RT: 4.12 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 73 Resp: 601136
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6

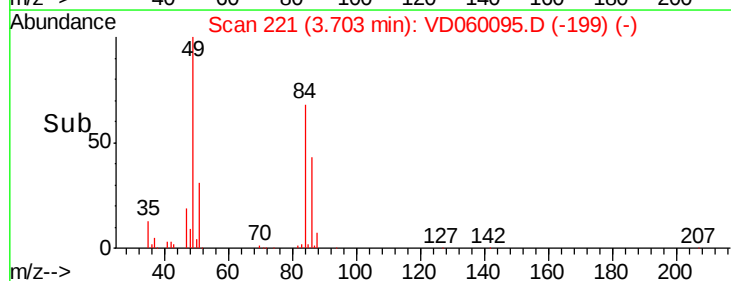
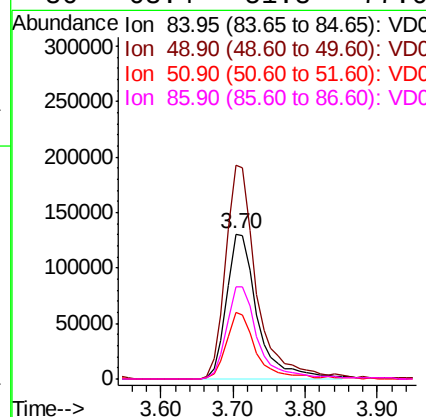
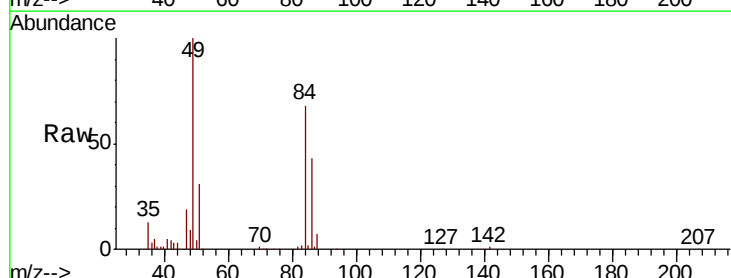
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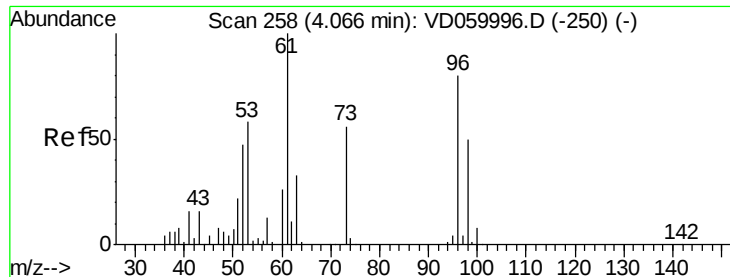
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#20
Methylene Chloride
Concen: 19.191 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 84 Resp: 388273
Ion Ratio Lower Upper
84 100
49 147.4 116.6 175.0
51 45.6 35.9 53.9
86 63.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.308 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

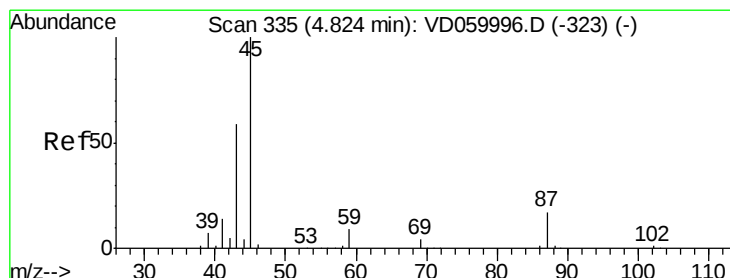
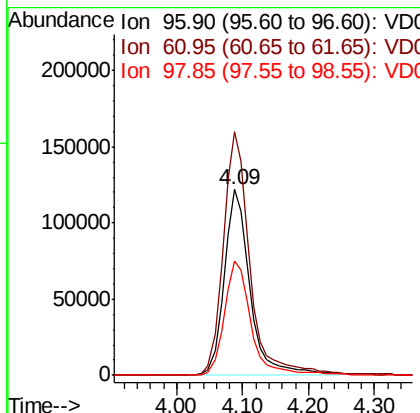
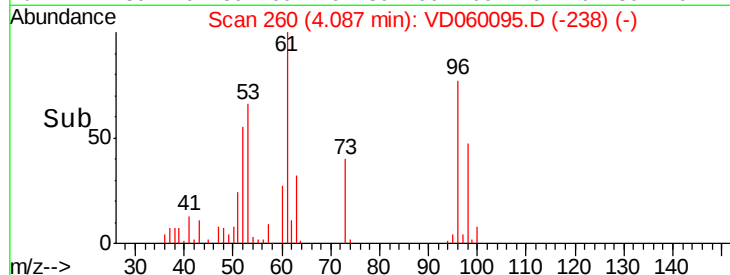
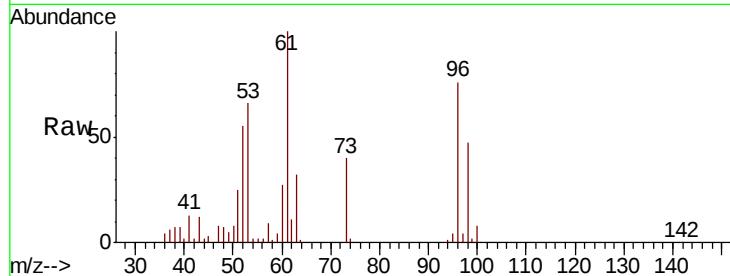
ClientSampleId :

VD0928SBS01

Tot Ion:	96	Resp:	336286
Ion	Ratio	Lower	Upper
96	100		
61	131.2	100.1	150.1
98	61.8	49.5	74.3

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#22

Diisopropyl ether

Concen: 21.151 ug/l

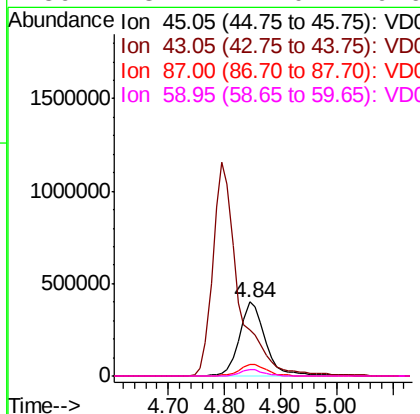
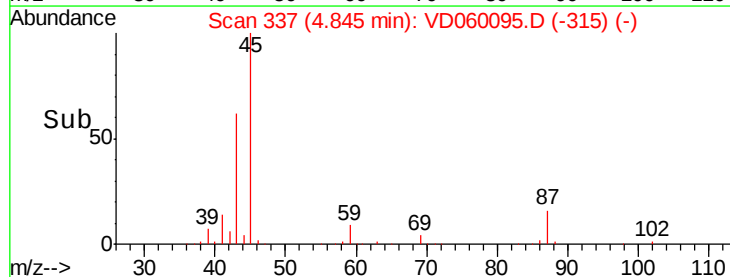
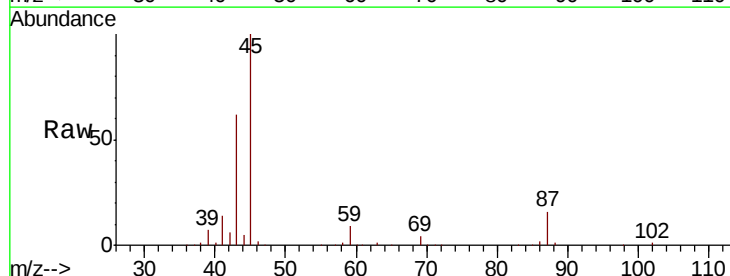
RT: 4.84 min Scan# 337

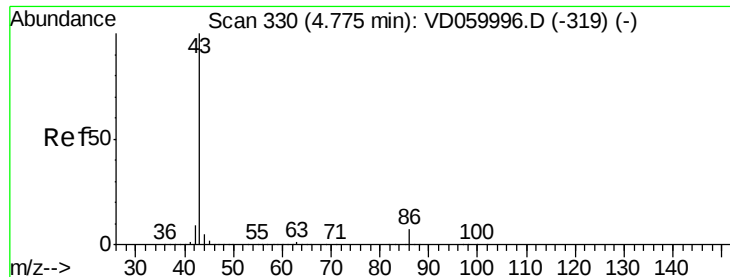
Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	45	Resp:	1283949
Ion	Ratio	Lower	Upper
45	100		
43	62.1	47.1	70.7
87	16.4	14.2	21.2
59	8.7	7.0	10.6





#23

Vinyl Acetate

Concen: 107.307 ug/l

RT: 4.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 3690212

Ion Ratio Lower Upper

43 100

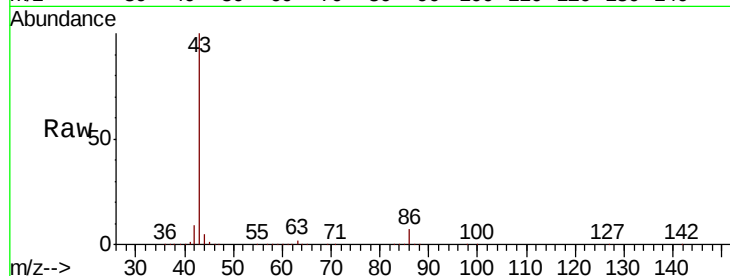
86 6.7 5.5 8.3

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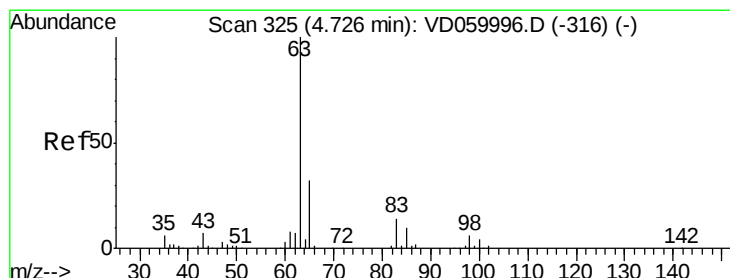
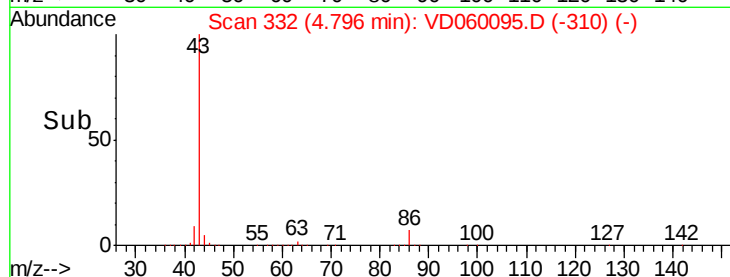
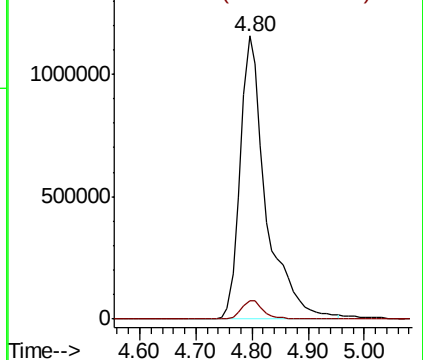
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.212 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

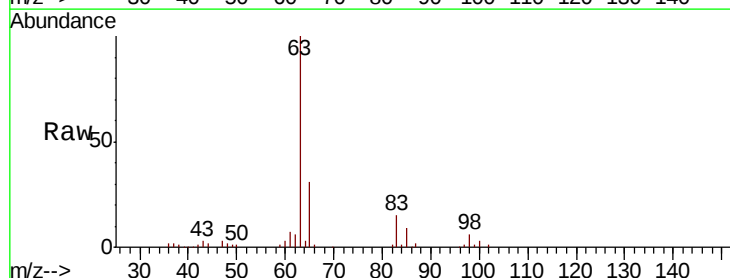
Tgt Ion: 63 Resp: 577827

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

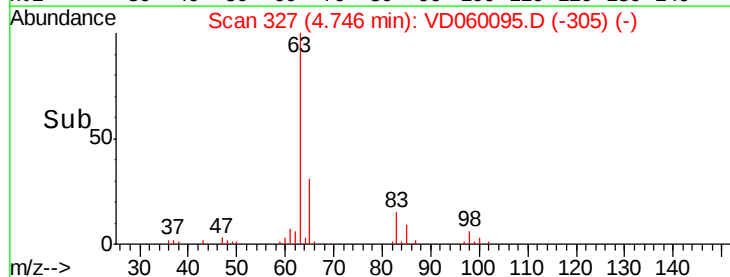
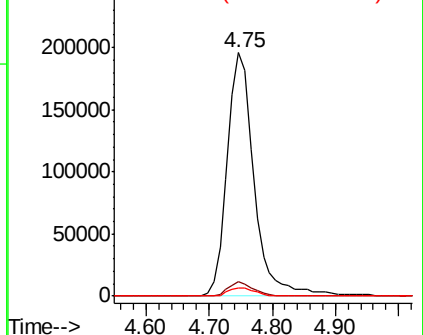
100 3.4 1.8 5.4

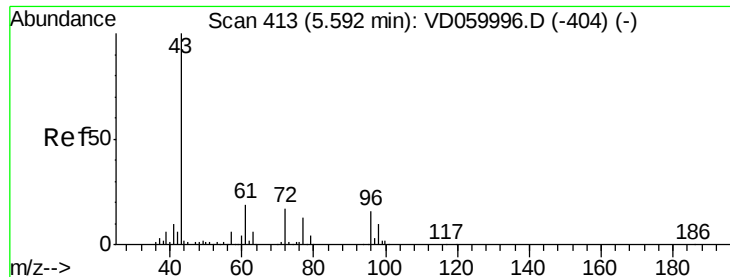


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 116.560 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 43 Resp: 726273

Ion Ratio Lower Upper

43 100

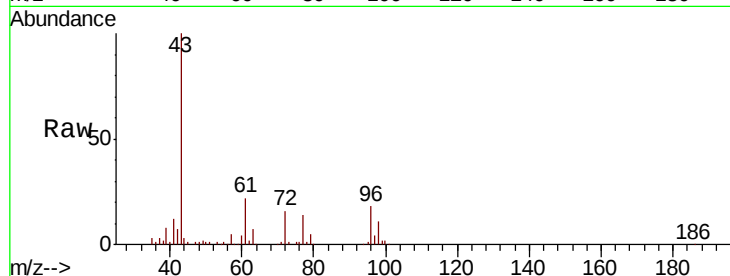
72 16.4 13.6 20.4

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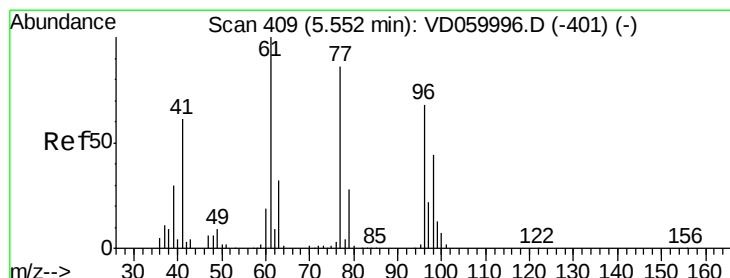
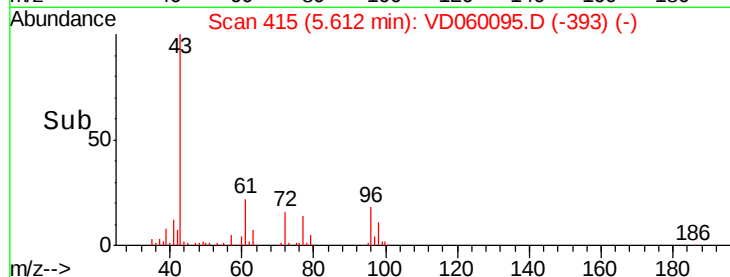
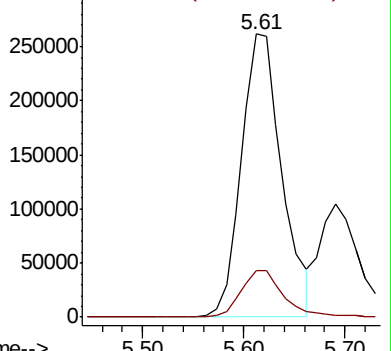
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.735 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060095.D

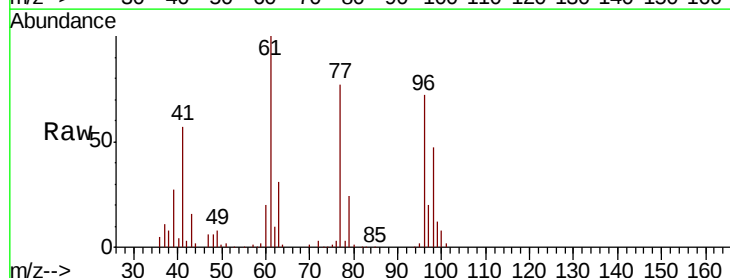
Acq: 28 Sep 2018 14:06

Tgt Ion: 77 Resp: 439129

Ion Ratio Lower Upper

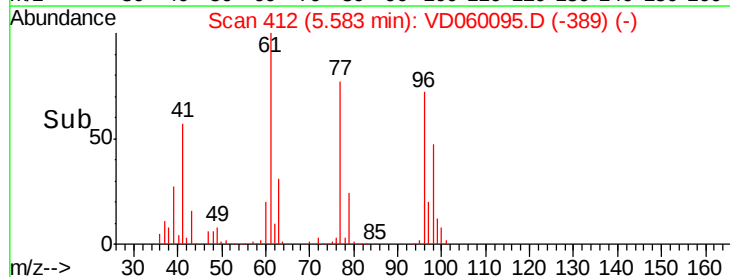
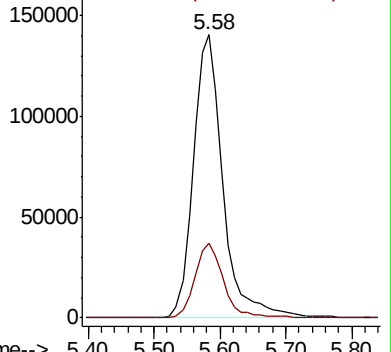
77 100

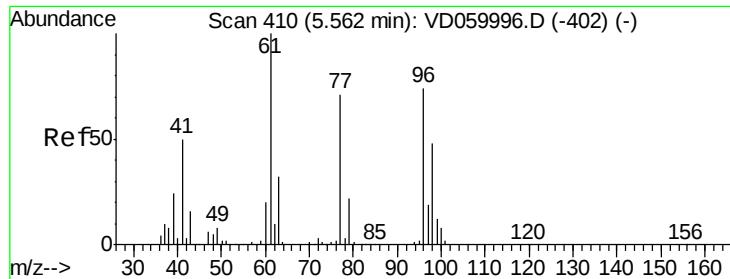
97 26.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

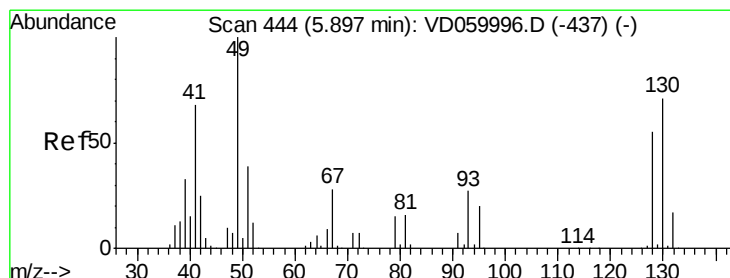
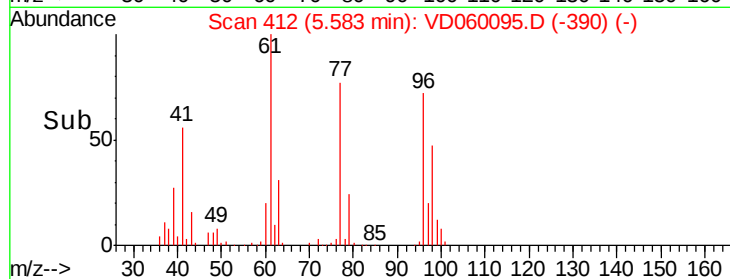
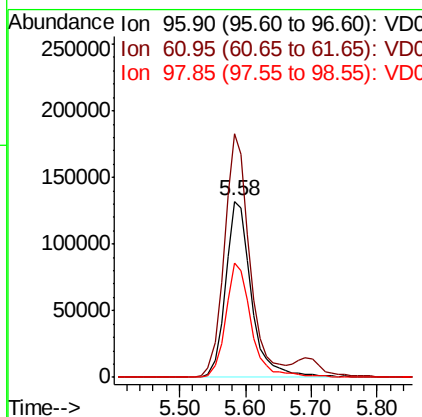
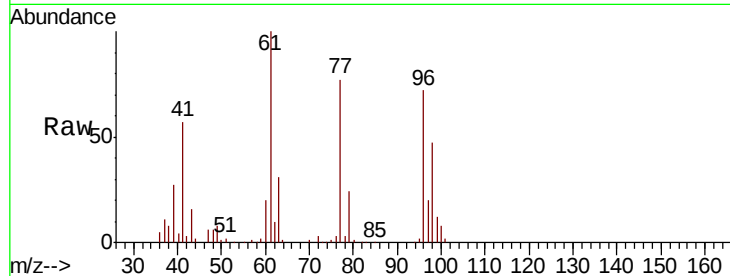
cis-1,2-Dichloroethene
Concen: 20.859 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	361299		
61	138.1	0.0	269.6	
98	64.7	0.0	128.4	

Manual Integrations
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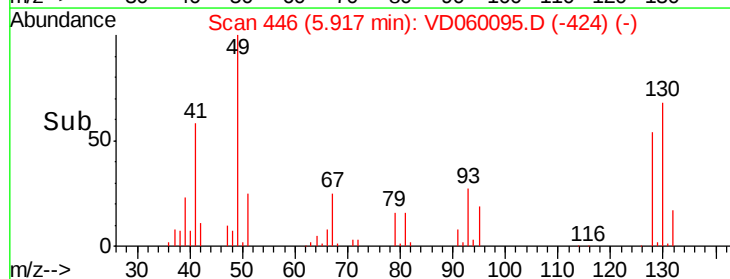
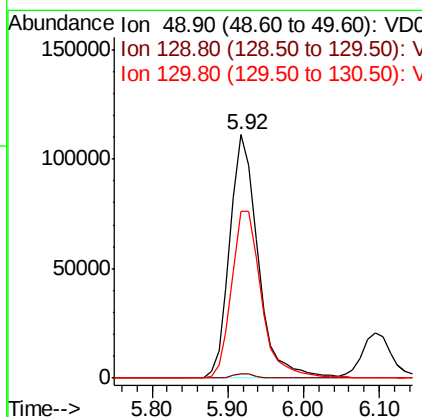
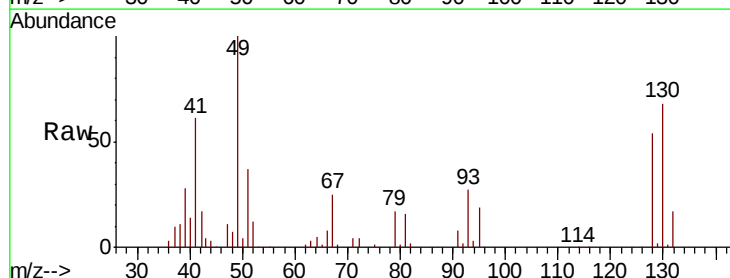
apatel
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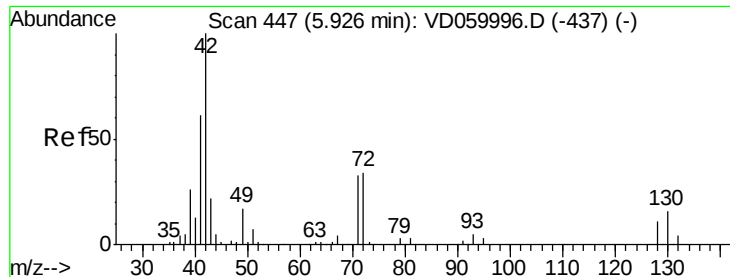


#28

Bromochloromethane
Concen: 21.999 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	288057		
129	1.9	0.0	3.6	
130	68.3	57.1	85.7	





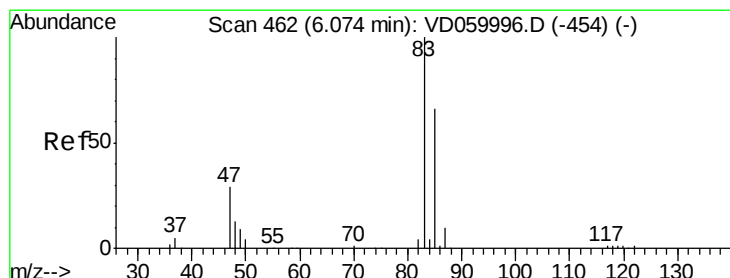
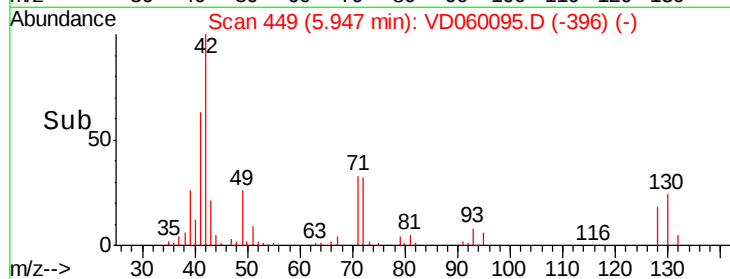
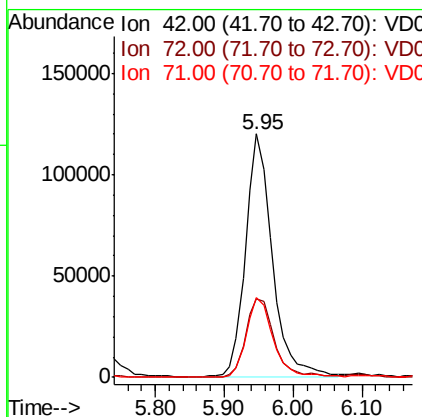
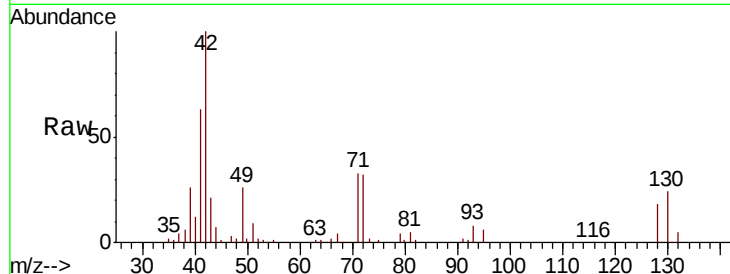
#29
Tetrahydrofuran
Concen: 98.177 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	26.9	40.3
71	32.7	26.2	39.4

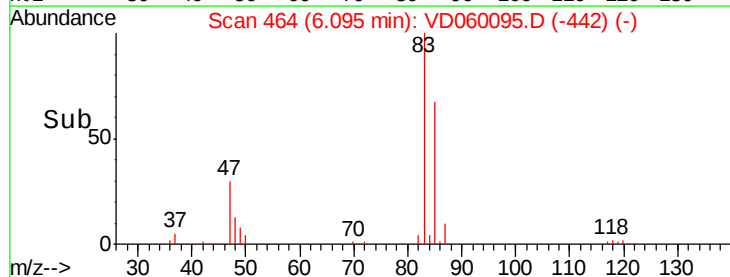
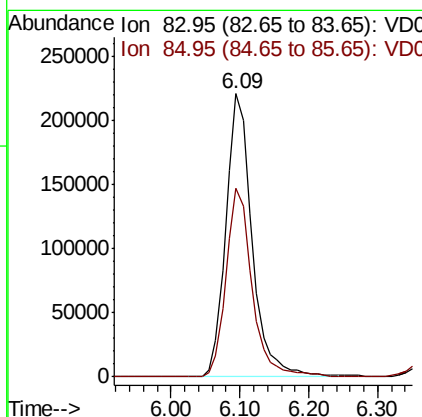
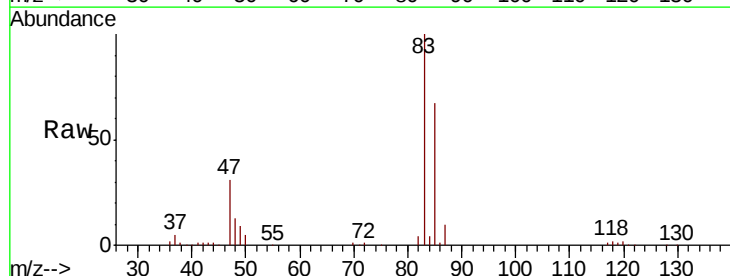
Manual Integrations
APPROVED

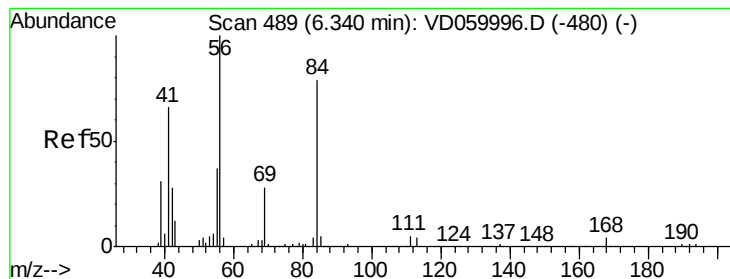
apatel
10/1/2018 3:59:00 PM



#30
Chloroform
Concen: 21.104 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.6	78.8





#31

Cyclohexane

Concen: 19.056 ug/l

RT: 6.36 min Scan# 491

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

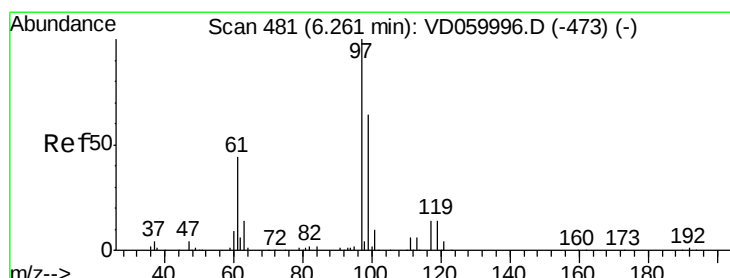
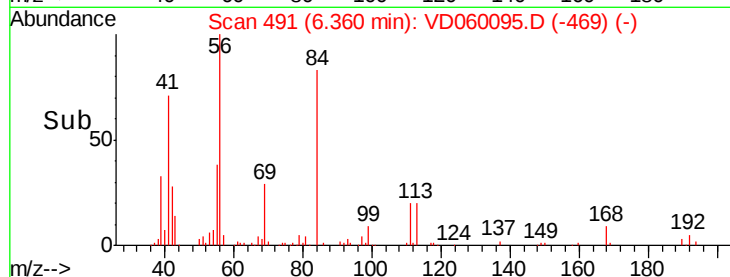
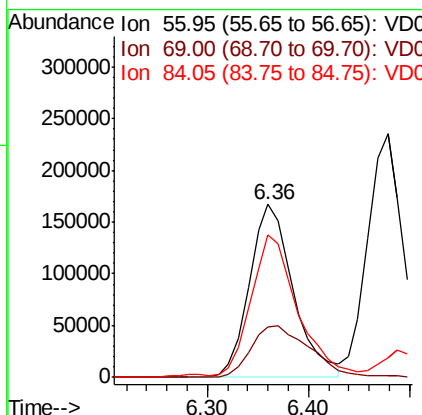
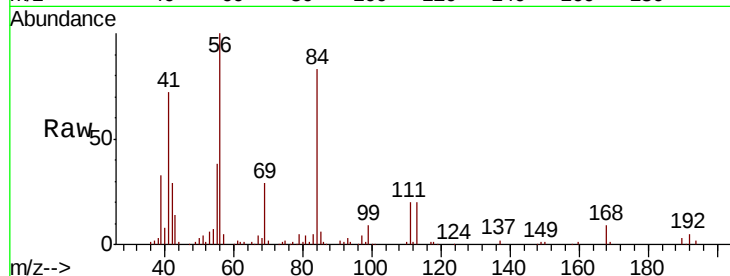
ClientSampleId :

VD0928SBSD01

Tot Ion:	56	Resp:	506124
Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.7	34.1
84	82.5	64.0	96.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.673 ug/l

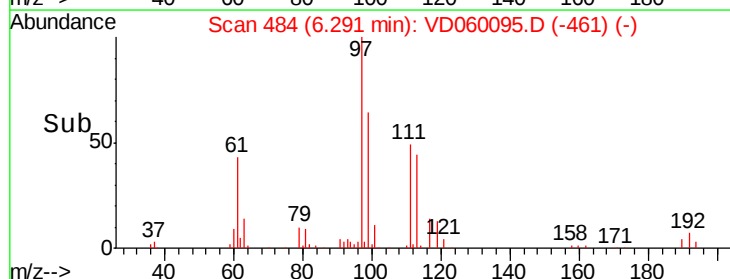
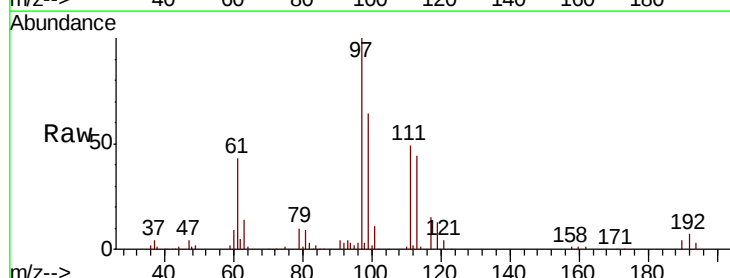
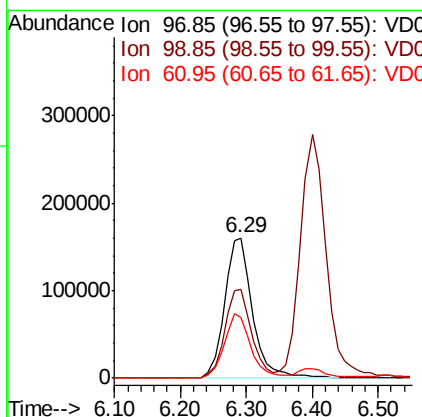
RT: 6.29 min Scan# 484

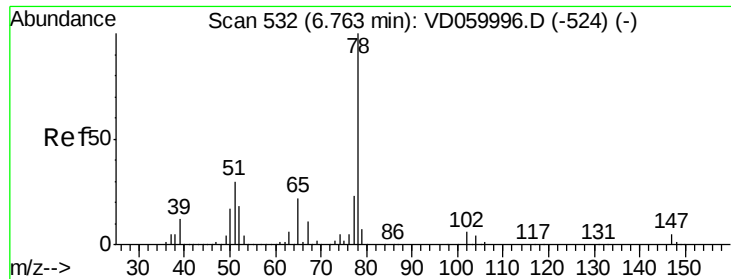
Delta R.T. 0.03 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	97	Resp:	473649
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	43.4	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.673 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 65 Resp: 615145

Ion Ratio Lower Upper

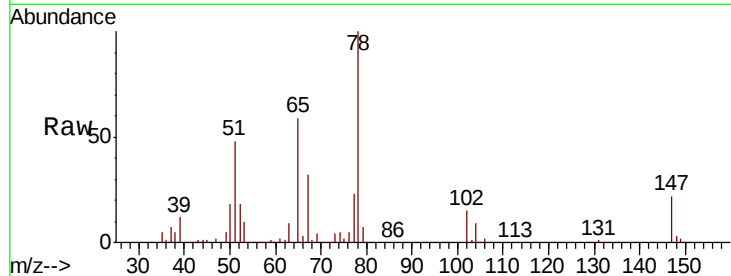
65 100

67 54.3 0.0 104.8

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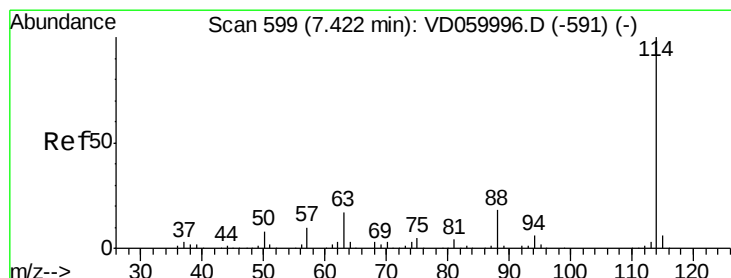
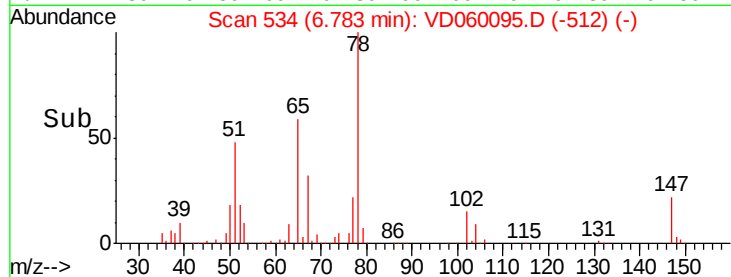
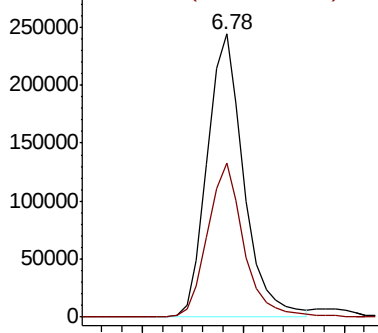
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

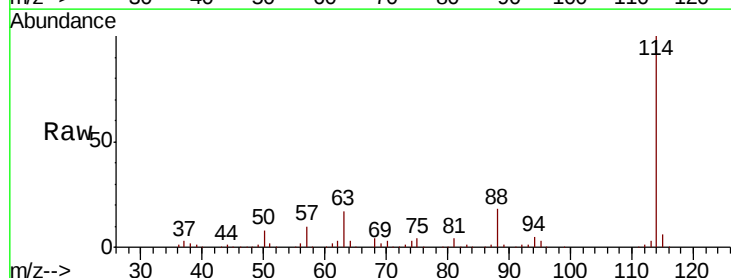
Tgt Ion: 114 Resp: 2062866

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

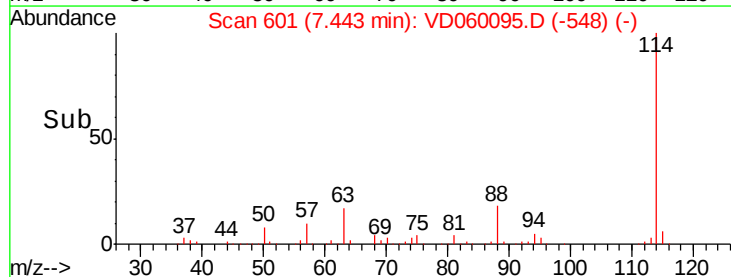
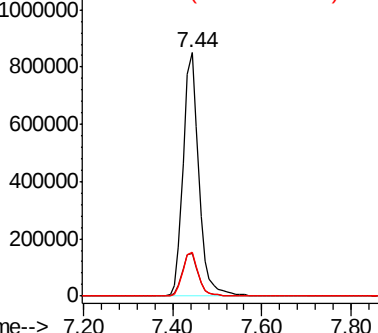
88 18.3 0.0 35.8

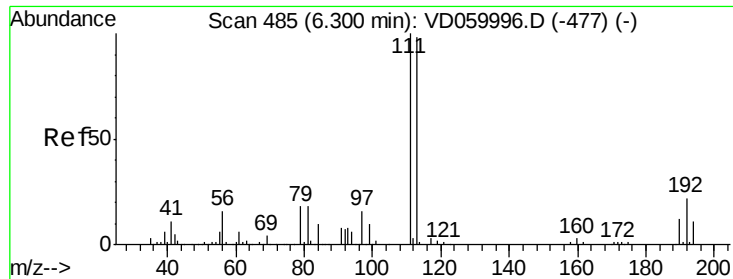


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





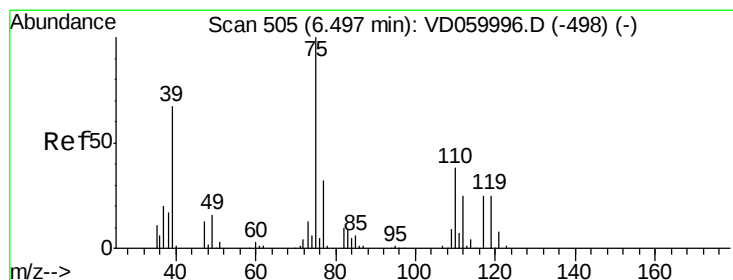
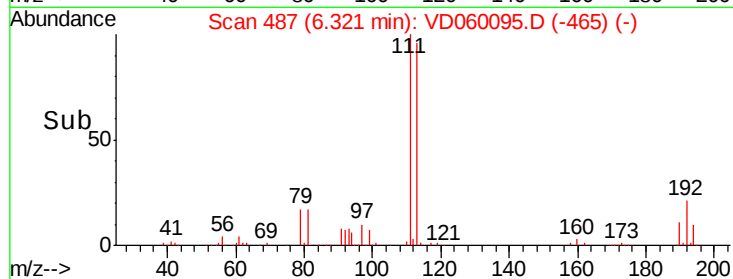
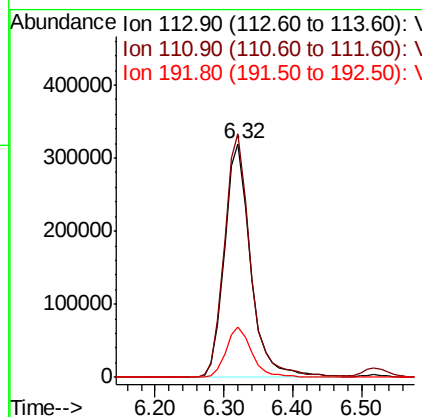
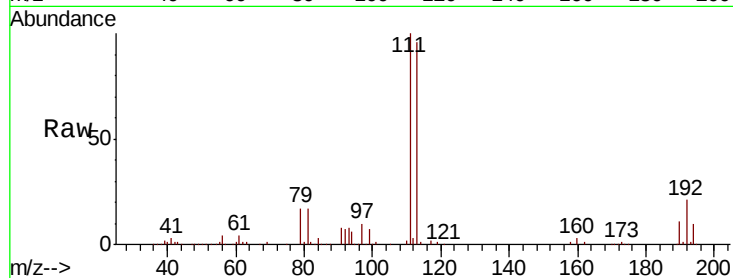
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	839595		
111	104.1	81.3	121.9	
192	21.5	18.1	27.1	

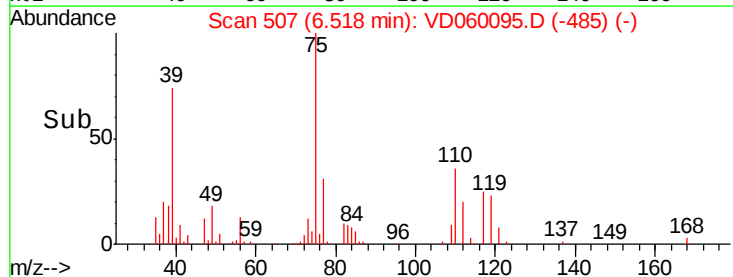
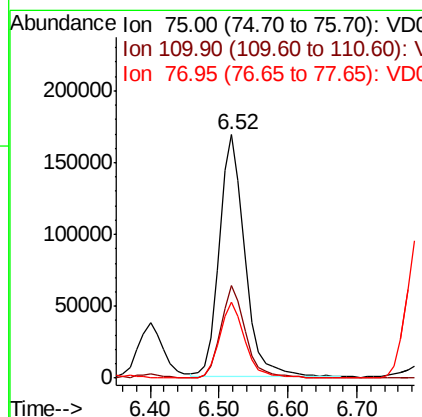
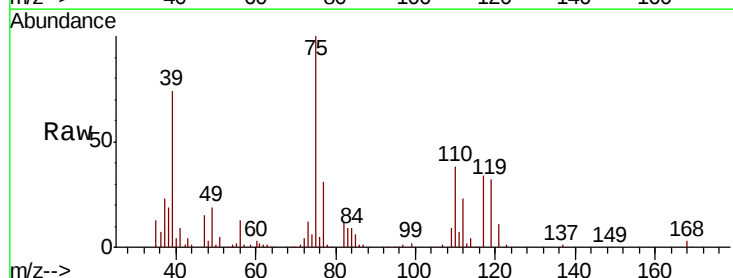
Manual Integrations
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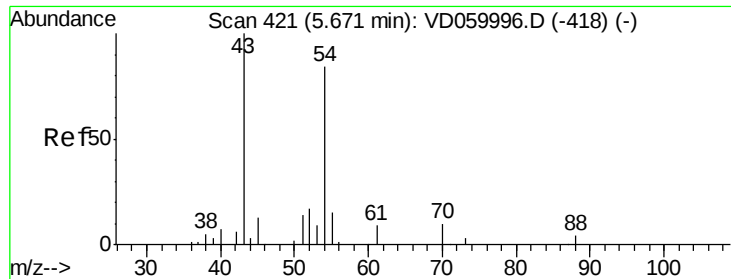
apatel
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#36
1,1-Dichloropropene
Concen: 21.005 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	430428		
110	37.9	18.9	56.9	
77	31.1	25.3	37.9	





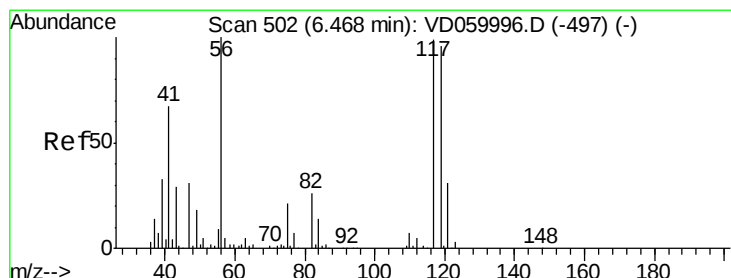
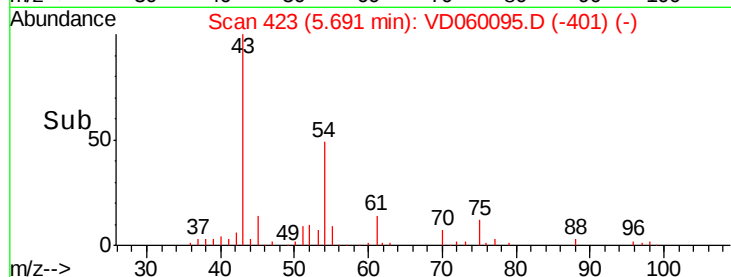
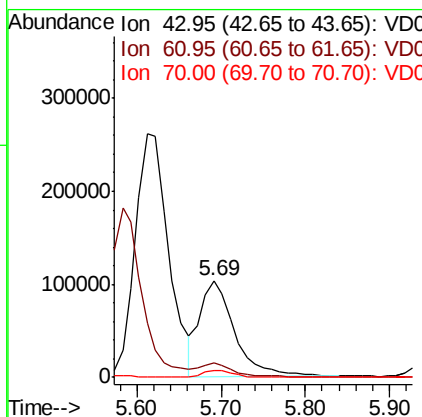
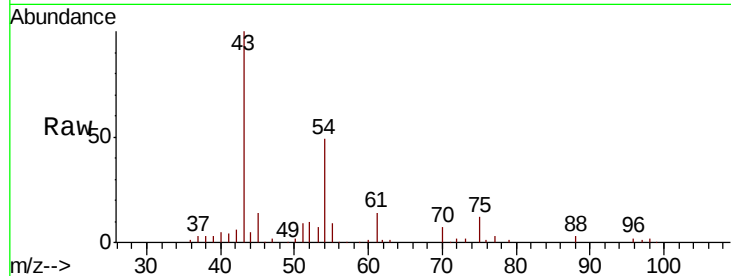
#37
Ethyl Acetate
Concen: 20.649 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.2	15.2
70	7.2	6.1	9.1

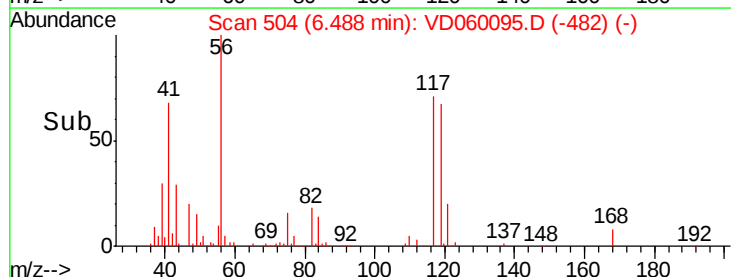
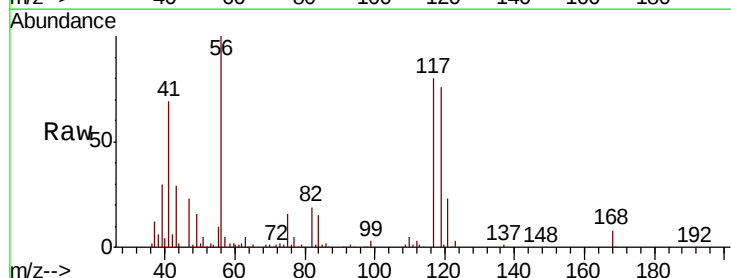
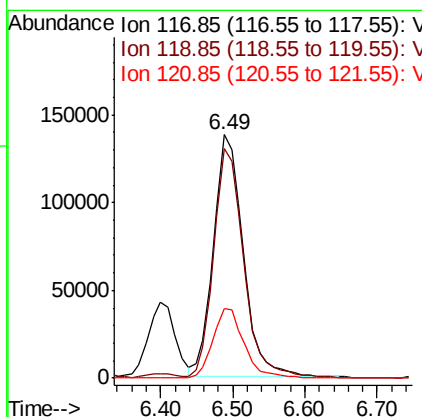
Manual Integrations
APPROVED

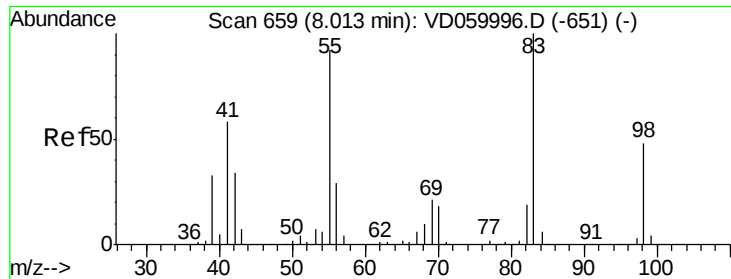
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#38
Carbon Tetrachloride
Concen: 20.568 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.7	115.1
121	28.7	24.9	37.3





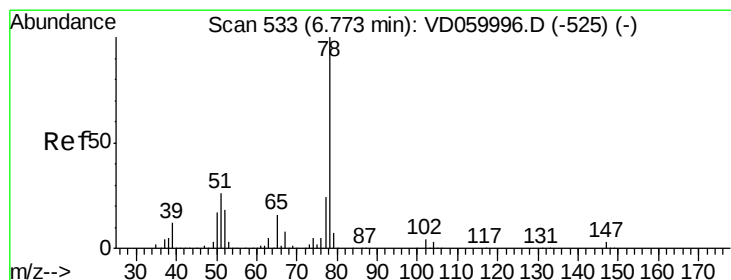
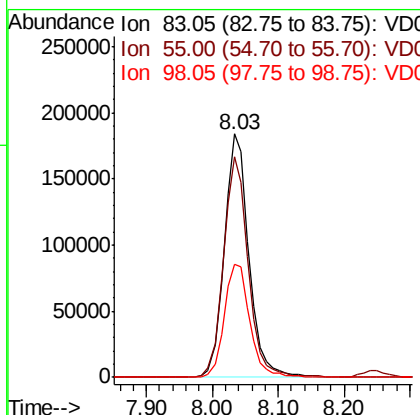
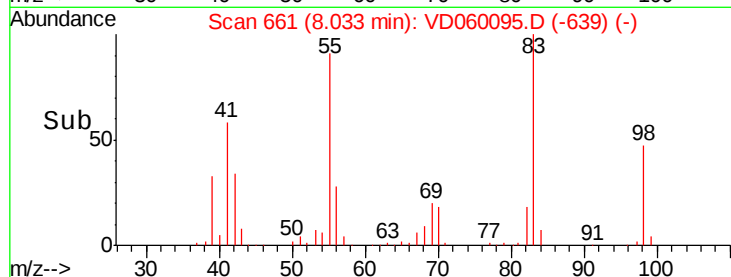
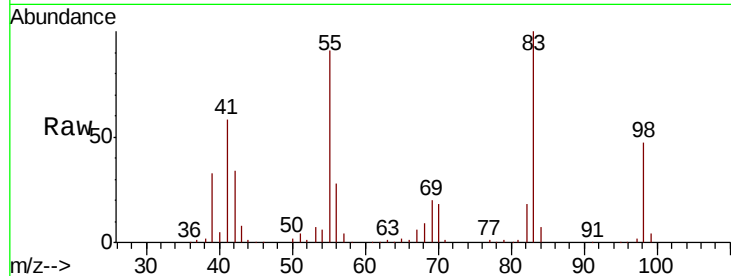
#39
Methvlcvclohexane
Concen: 20.633 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	73.8	110.6
98	46.6	38.1	57.1

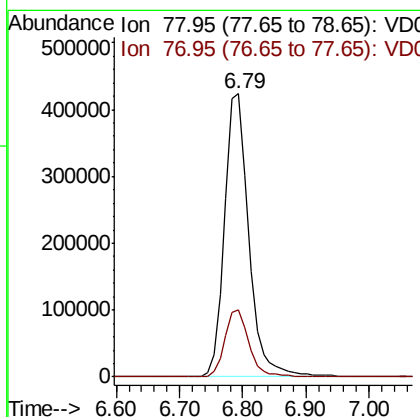
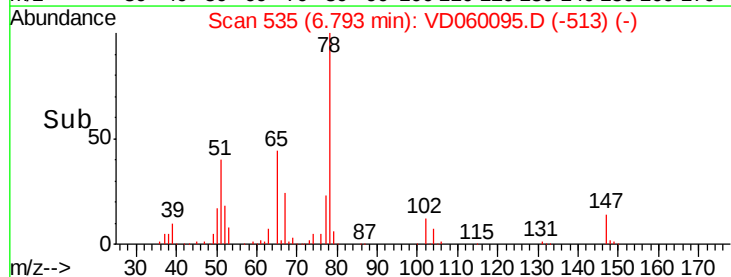
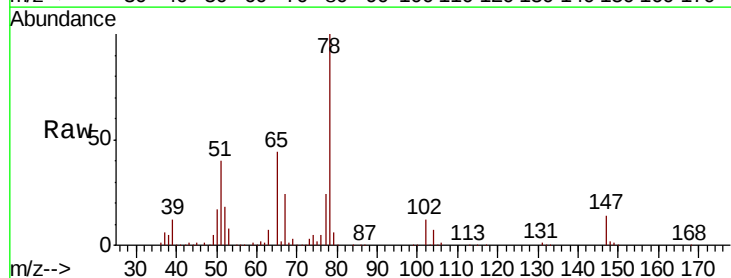
Manual Integrations
APPROVED

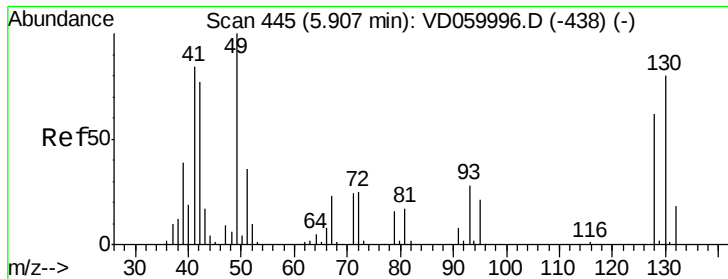
apatel
10/1/2018 3:59:00 PM



#40
Benzene
Concen: 21.715 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





#41

Methacrylonitrile

Concen: 20.550 ug/l m

RT: 5.92 min Scan# 446

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 41 Resp: 151669

Ion Ratio Lower Upper

41 100

39 46.9 37.5 56.3

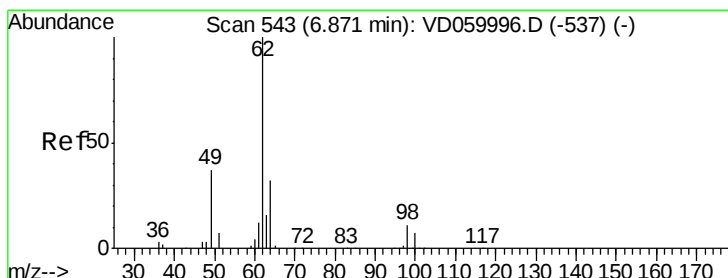
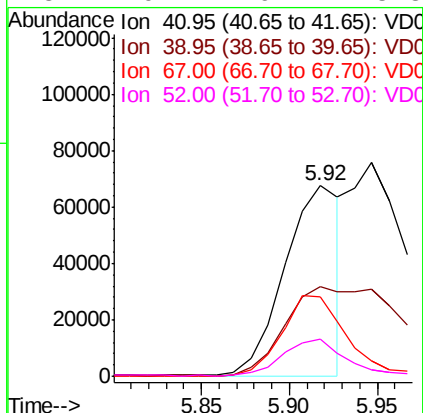
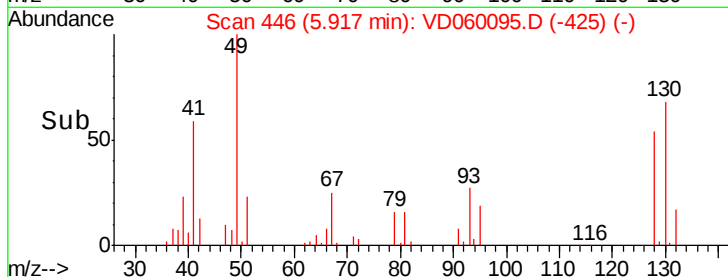
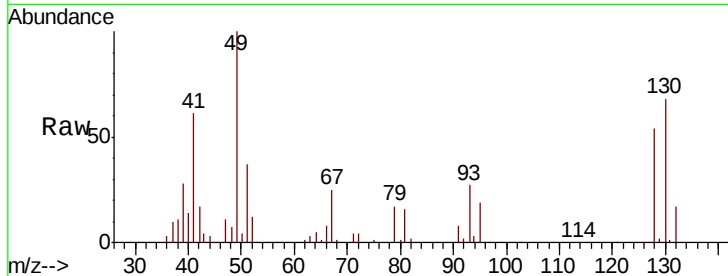
67 41.6 21.5 32.3#

52 19.2 9.2 13.8#

Manual Integrations
APPROVED

apatel

10/1/2018 3:59:00 PM



#42

1,2-Dichloroethane

Concen: 20.629 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060095.D

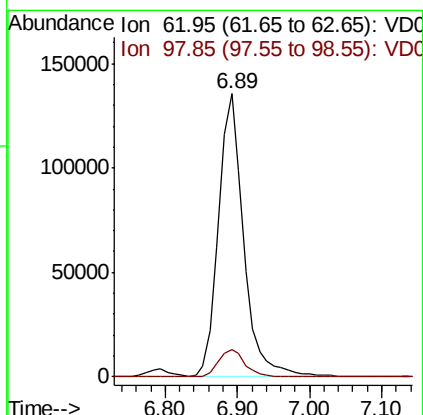
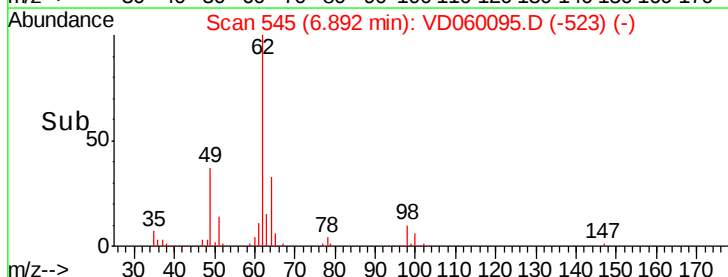
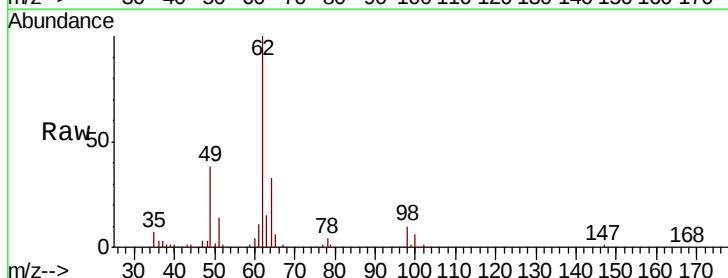
Acq: 28 Sep 2018 14:06

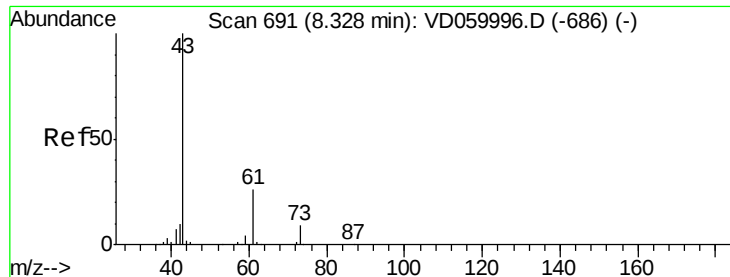
Tgt Ion: 62 Resp: 323501

Ion Ratio Lower Upper

62 100

98 9.7 0.0 21.4





#43

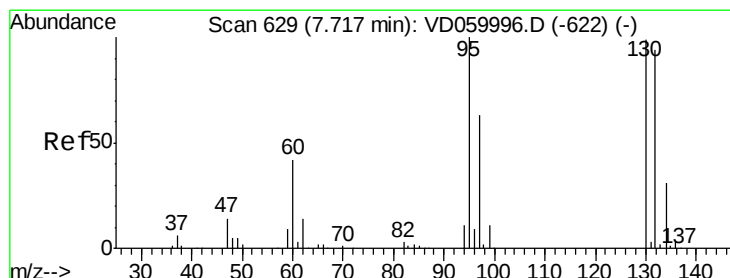
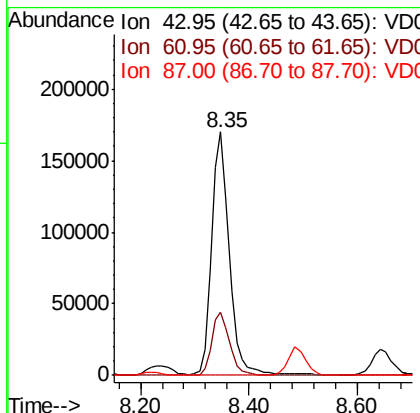
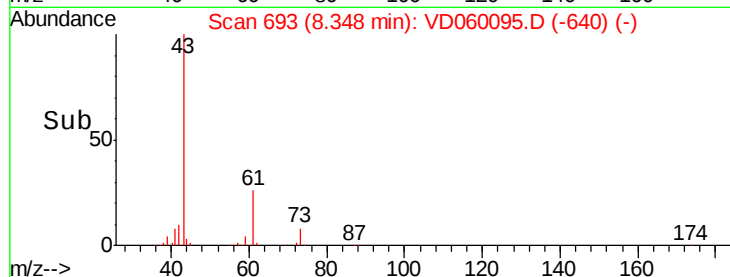
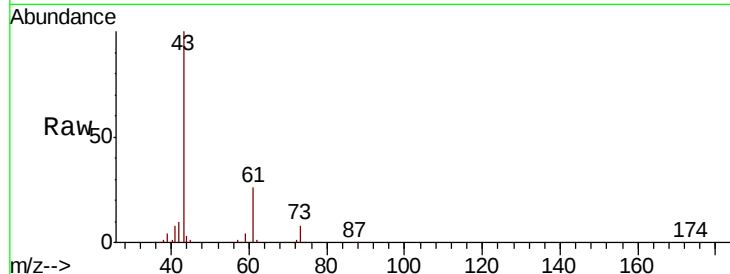
Isopropyl Acetate
 Concen: 20.356 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.0	31.6
87	0.3	0.2	0.2#

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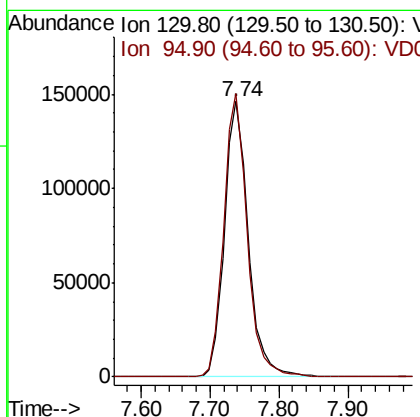
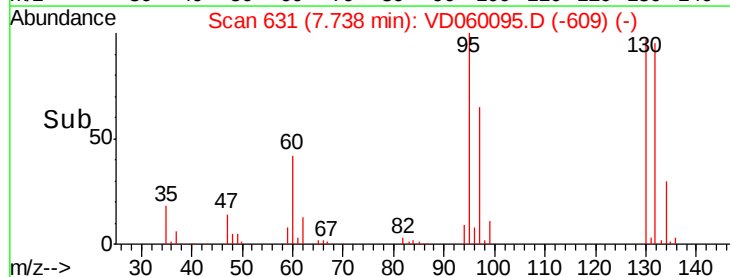
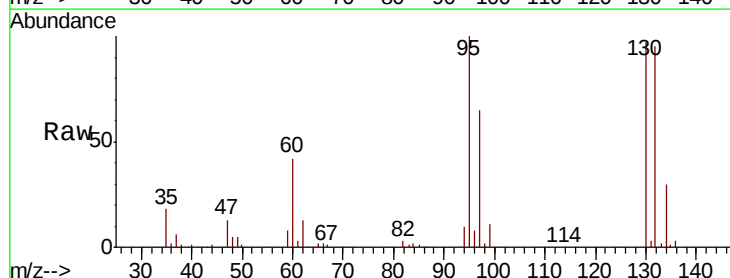
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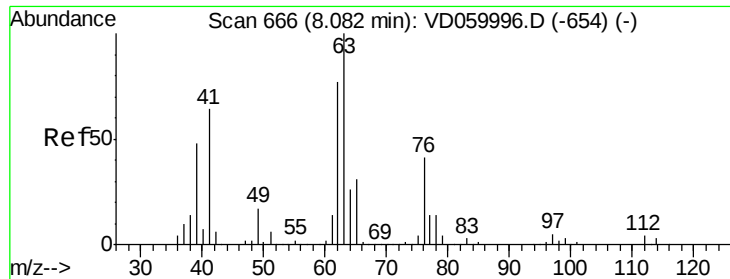


#44

Trichloroethene
 Concen: 21.665 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	202.0





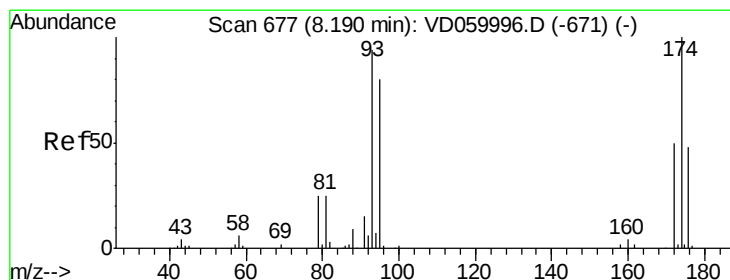
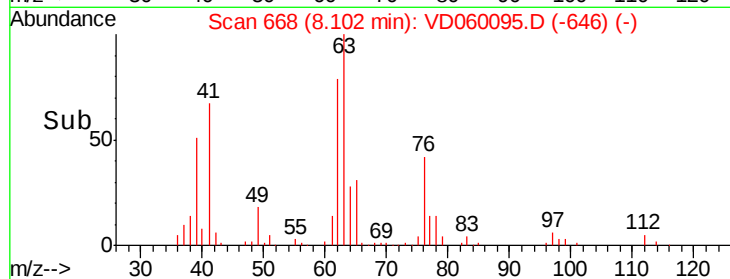
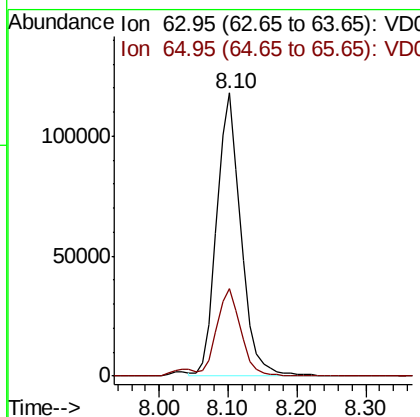
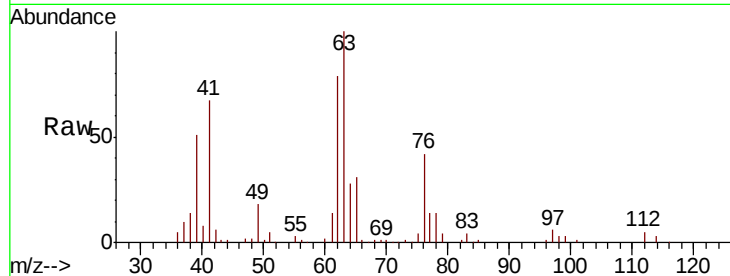
#45
 1,2-Dichloropropane
 Concen: 20.580 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

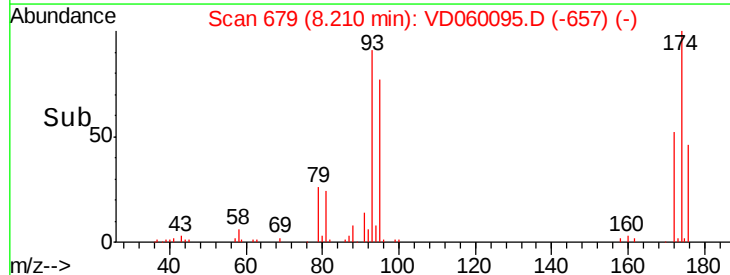
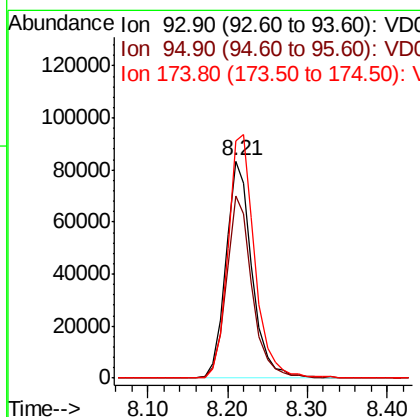
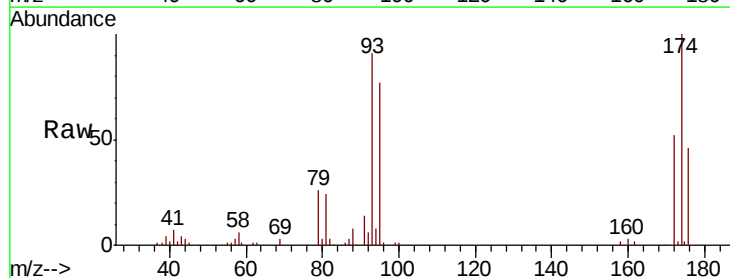
Manual Integrations
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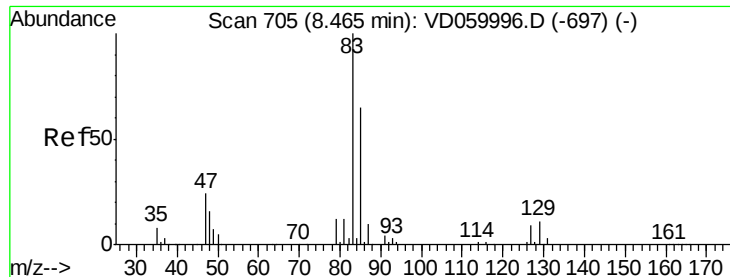
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 10/1/2018 3:59:00 PM



#46
 Dibromomethane
 Concen: 20.929 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	68.0	102.0
174	109.6	85.4	128.2





#47

Bromodichloromethane

Concen: 20.978 ug/l

RT: 8.49 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

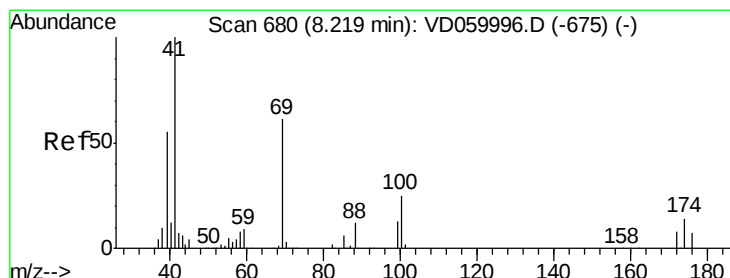
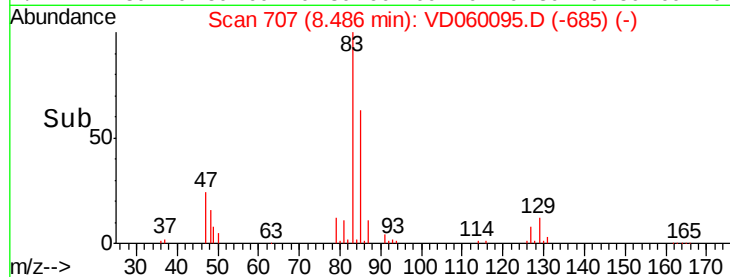
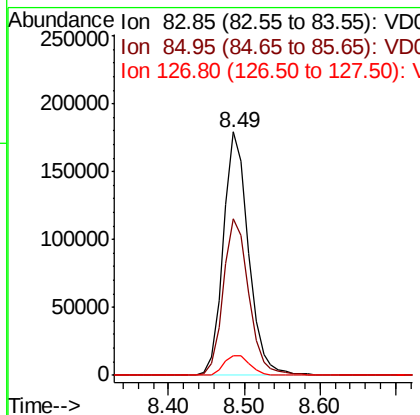
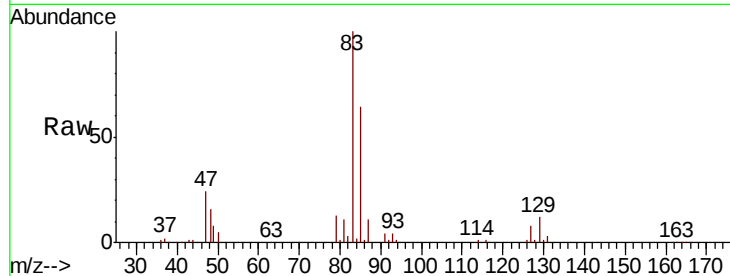
ClientSampleId :

VD0928SBS01

Tot Ion:	83	Resp:	412129
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.9	77.9
127	8.3	6.8	10.2

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#48

Methyl methacrylate

Concen: 20.076 ug/l

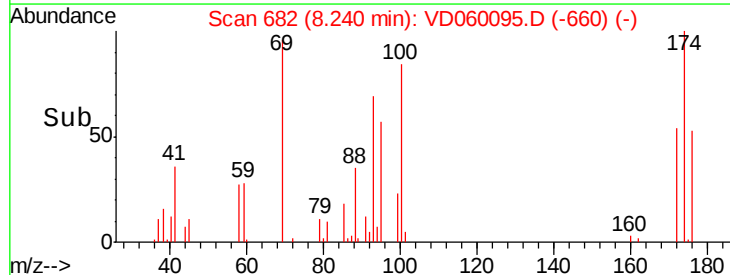
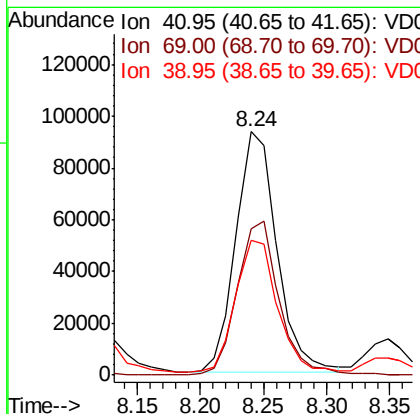
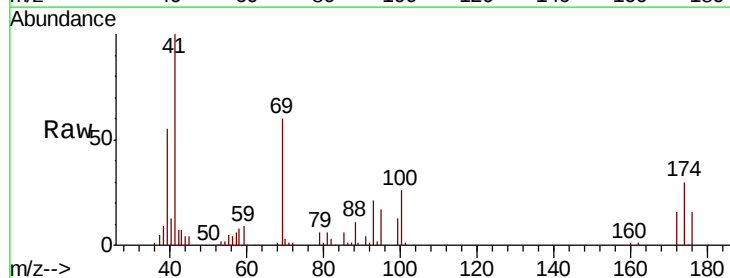
RT: 8.24 min Scan# 682

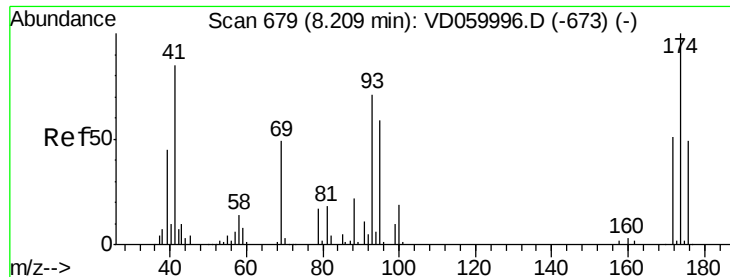
Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	41	Resp:	210952
Ion Ratio	Lower	Upper	
41	100		
69	60.4	48.3	72.5
39	55.1	44.1	66.1





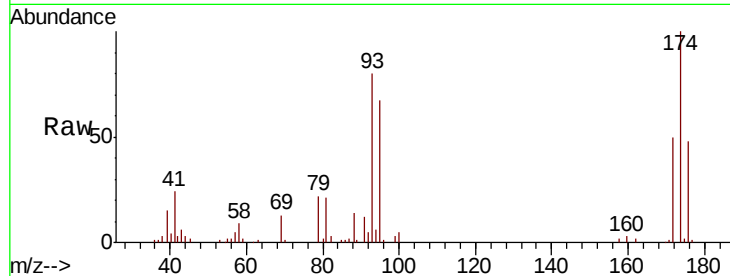
#49
1,4-Dioxane
Concen: 398.284 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

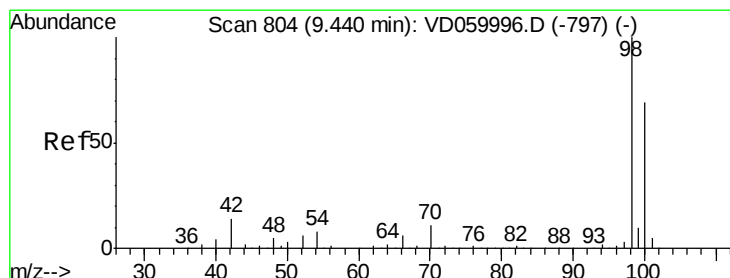
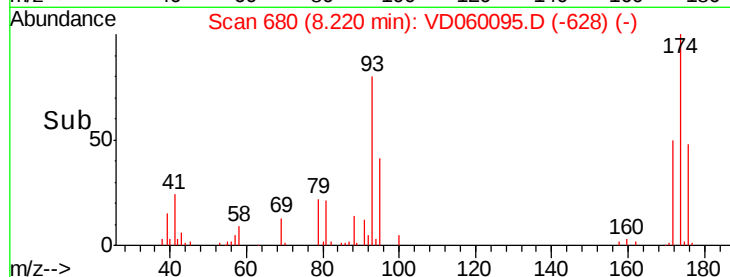
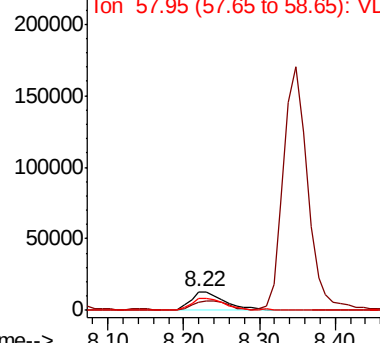
Tot Ion	88	Resp	41568
Ion Ratio	100	Lower	Upper
43	43.0	36.2	54.2
58	62.5	51.0	76.6

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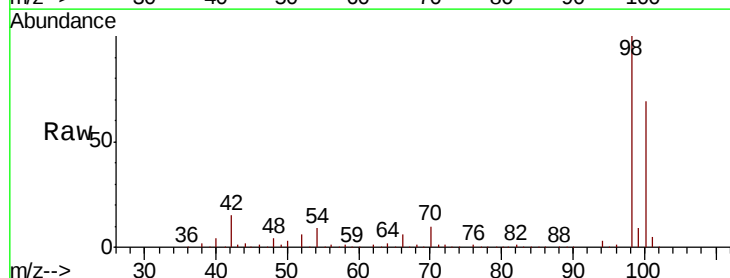


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

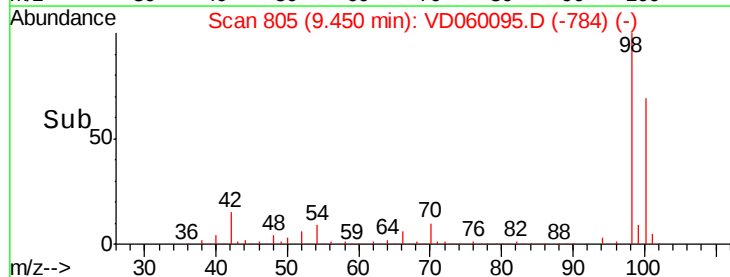
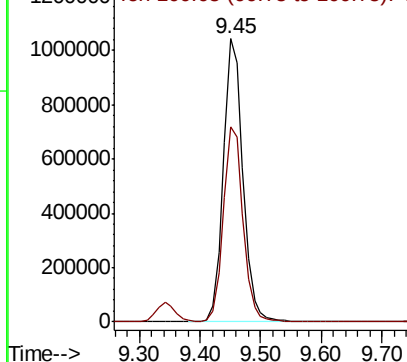


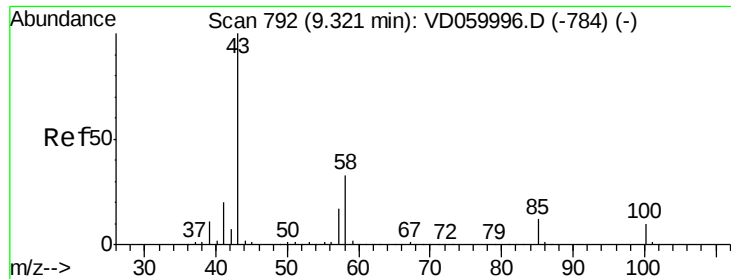
#50
Toluene-d8
Concen: 398.284 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	98	Resp	2337030
Ion Ratio	100	Lower	Upper
100	68.8	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 112.192 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleID :

VD0928SBS01

Tot Ion: 43 Resp: 1540397

Ion Ratio Lower Upper

43 100

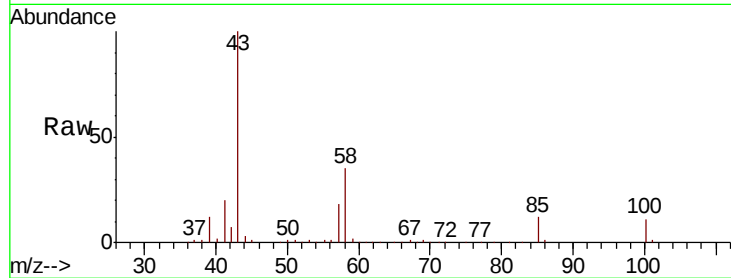
58 34.7 26.4 39.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

800000

600000

400000

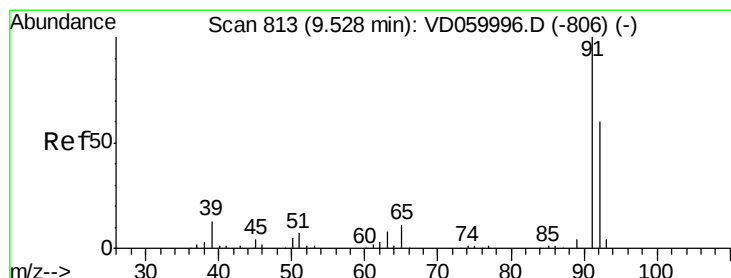
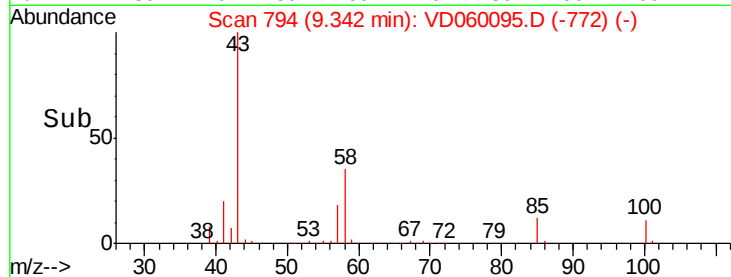
200000

0

9.20 9.30 9.40

9.34

Time-->



#52

Toluene

Concen: 21.684 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060095.D

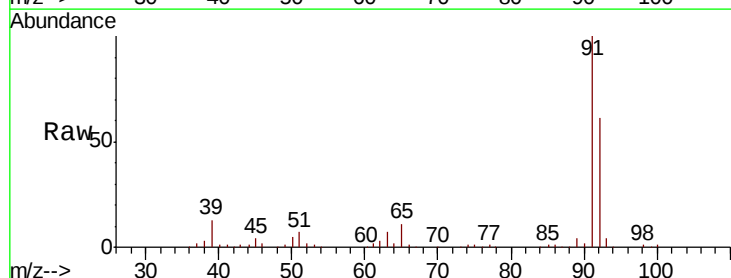
Acq: 28 Sep 2018 14:06

Tgt Ion: 92 Resp: 725918

Ion Ratio Lower Upper

92 100

91 164.7 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

200000

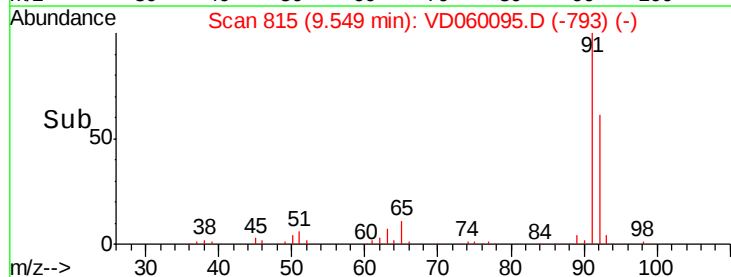
100000

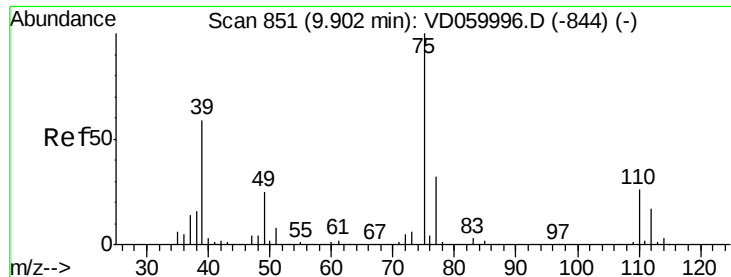
0

9.40 9.50 9.60 9.70

9.55

Time-->





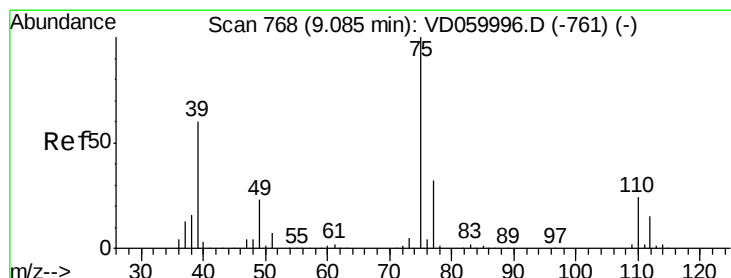
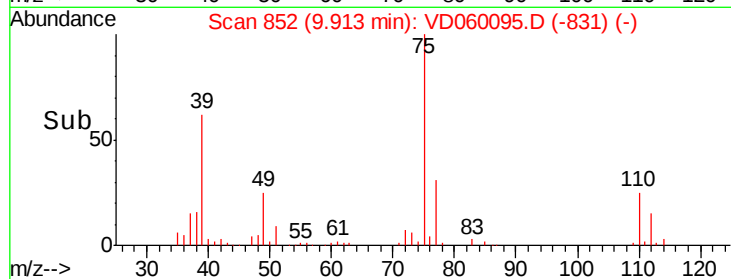
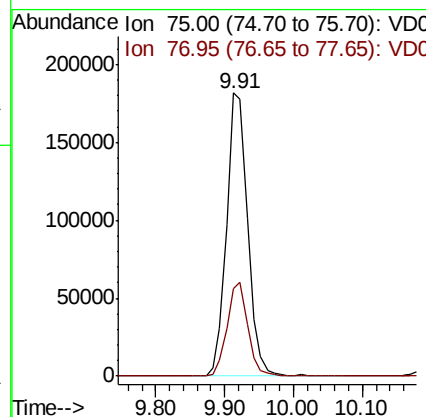
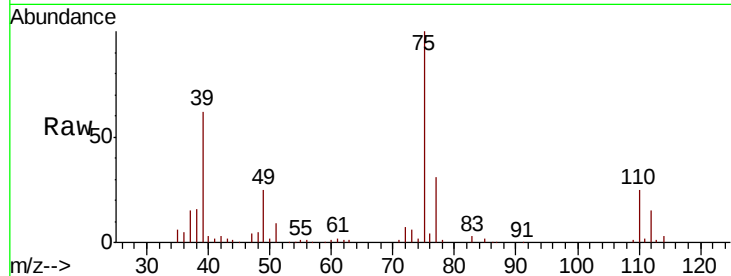
#53
t-1,3-Dichloropropene
Concen: 21.093 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 75 Resp: 386490
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4

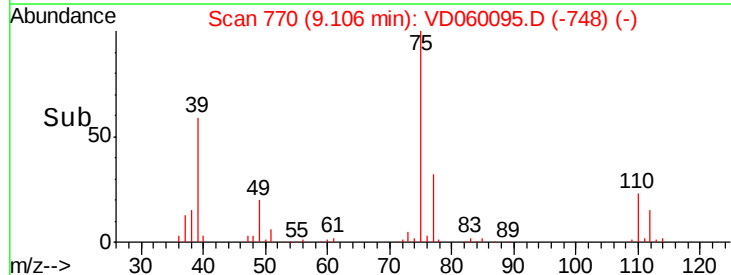
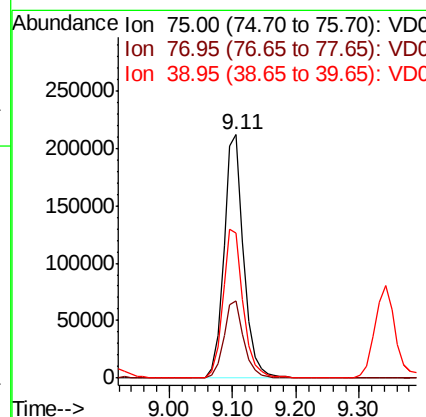
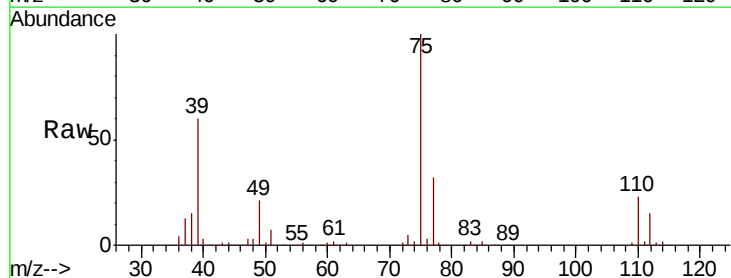
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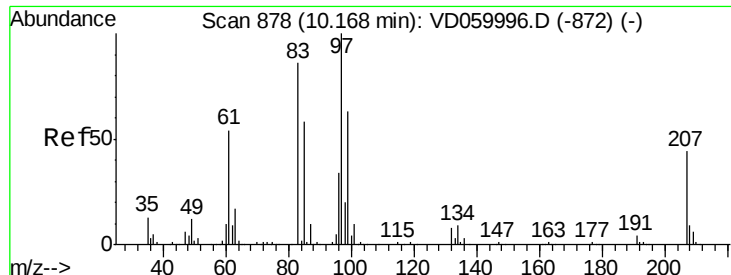
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#54
cis-1,3-Dichloropropene
Concen: 21.110 ug/l
RT: 9.11 min Scan# 770
Delta R.T. 0.02 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 75 Resp: 462149
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 59.8 48.0 72.0





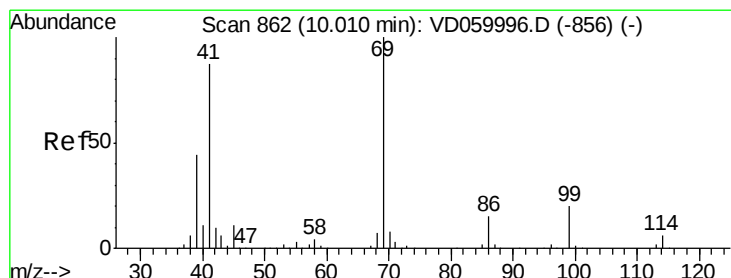
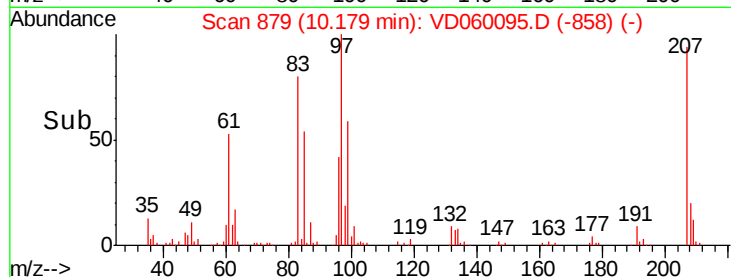
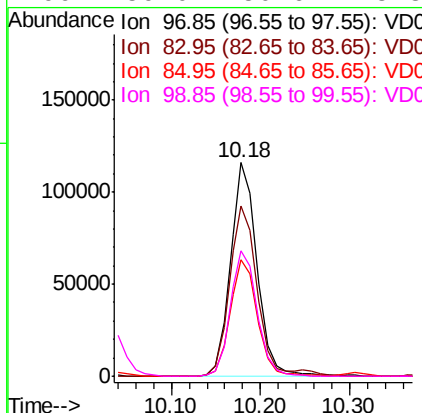
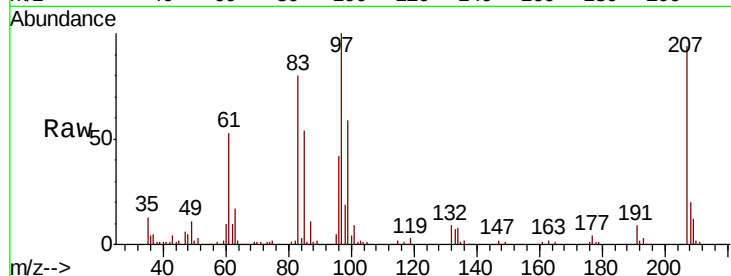
#55
 1,1,2-Trichloroethane
 Concen: 20.785 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241590		
83	79.6	69.1	103.7		
85	54.3	46.2	69.4		
99	59.0	50.6	75.8		

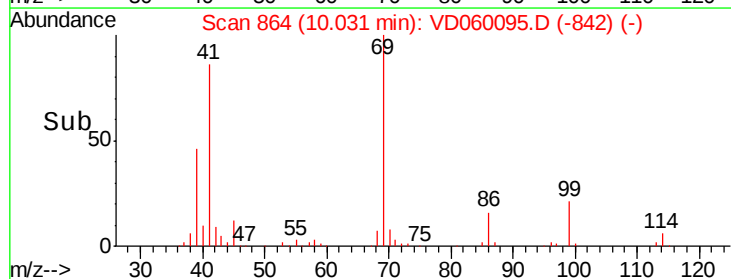
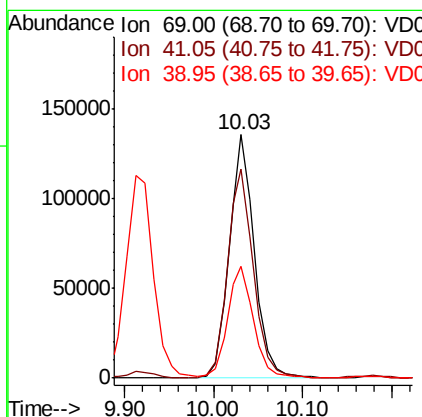
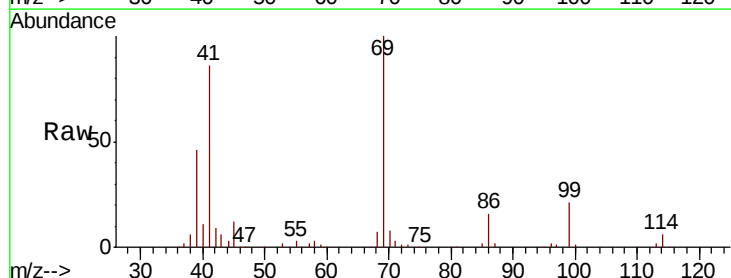
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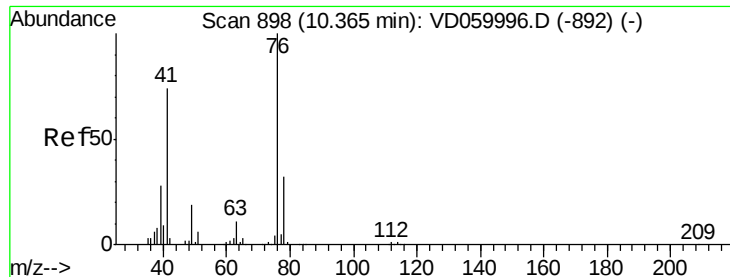
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#56
 Ethyl methacrylate
 Concen: 20.714 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		267047		
41	85.8	70.1	105.1		
39	45.7	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 21.706 ug/l

RT: 10.39 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 76 Resp: 372419

Ion Ratio Lower Upper

76 100

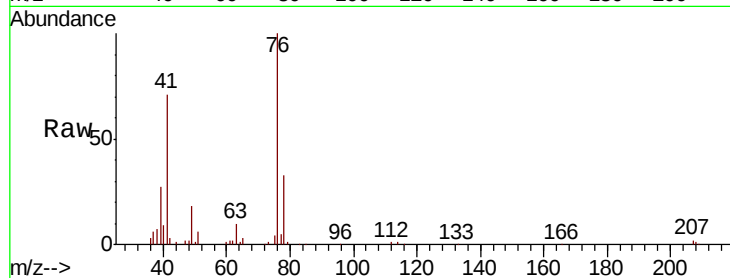
78 32.9 25.3 37.9

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

100000

50000

0

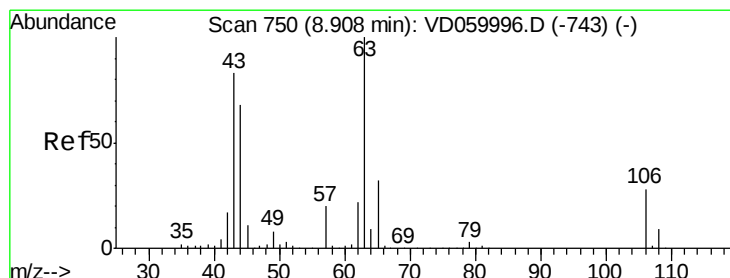
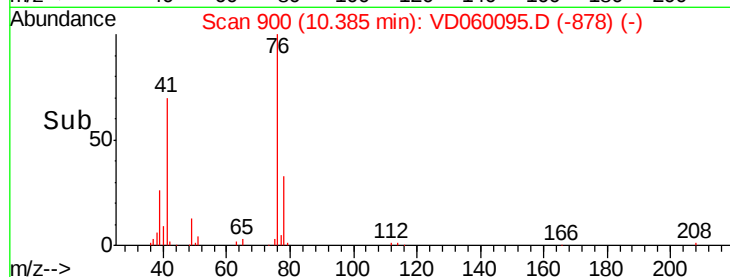
10.39

10.30

10.40

10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 112.028 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060095.D

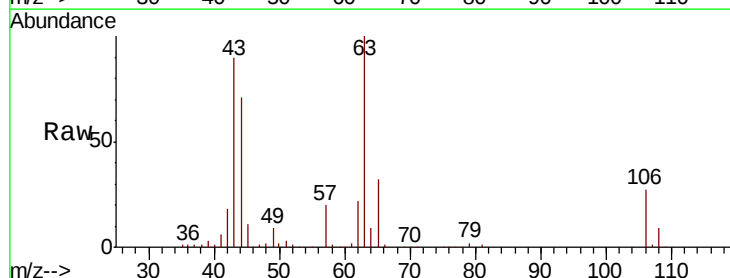
Acq: 28 Sep 2018 14:06

Tgt Ion: 63 Resp: 697437

Ion Ratio Lower Upper

63 100

106 27.4 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

200000

100000

0

8.92

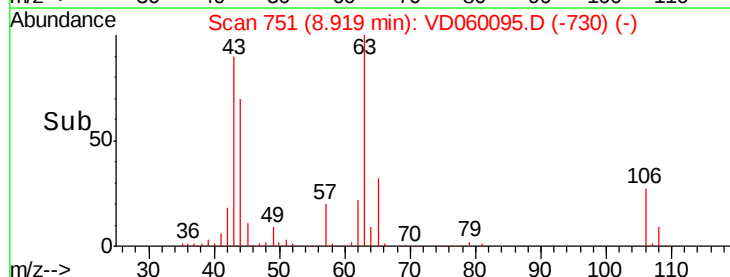
8.80

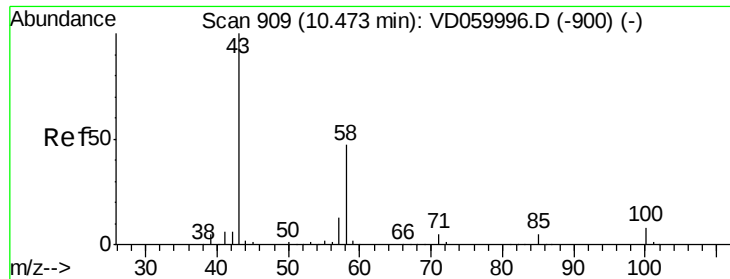
8.90

9.00

9.10

Time-->





#59

2-Hexanone

Concen: 114.237 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBSD01

Tot Ion: 43 Resp: 1126391

Ion Ratio Lower Upper

43 100

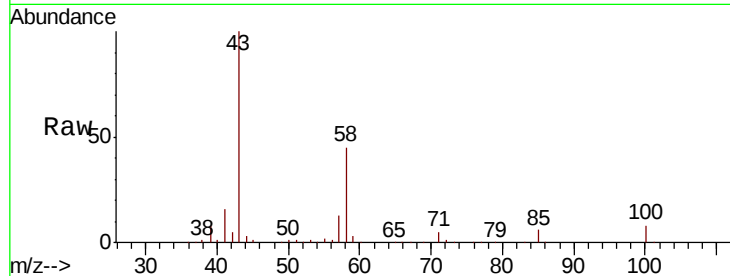
58 45.4 23.4 70.0

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Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

10.48

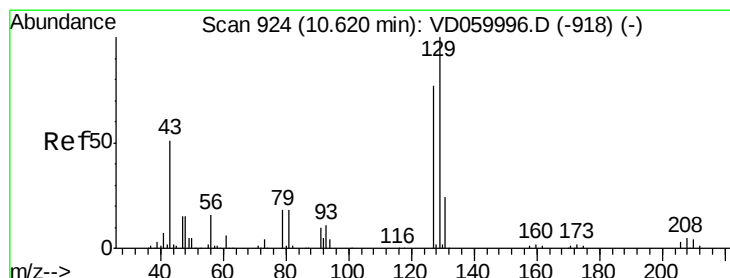
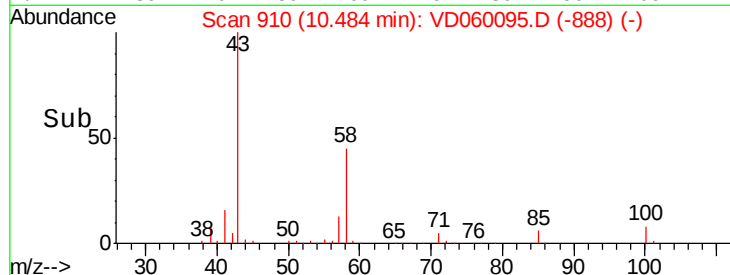
600000

400000

200000

0

Time-->



#60

Dibromochloromethane

Concen: 20.935 ug/l

RT: 10.64 min Scan# 926

Delta R.T. 0.02 min

Lab File: VD060095.D

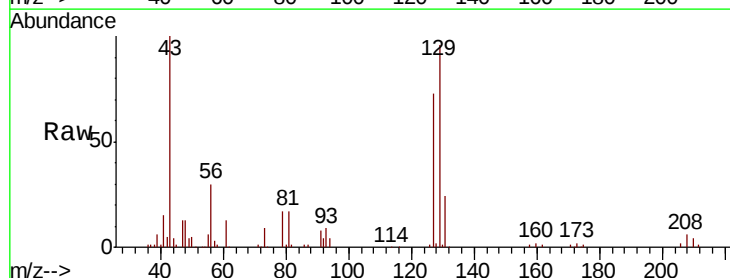
Acq: 28 Sep 2018 14:06

Tgt Ion:129 Resp: 296168

Ion Ratio Lower Upper

129 100

127 75.5 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.64

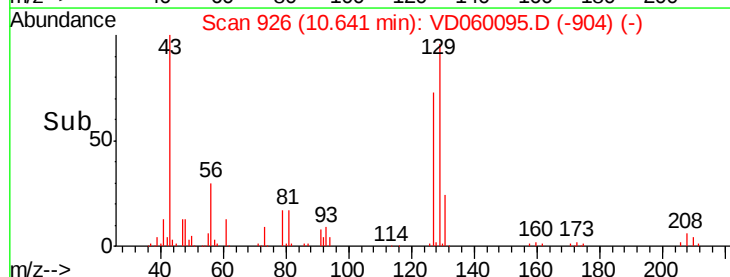
150000

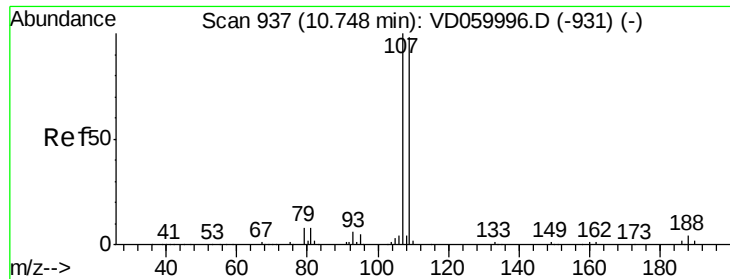
100000

50000

0

Time-->





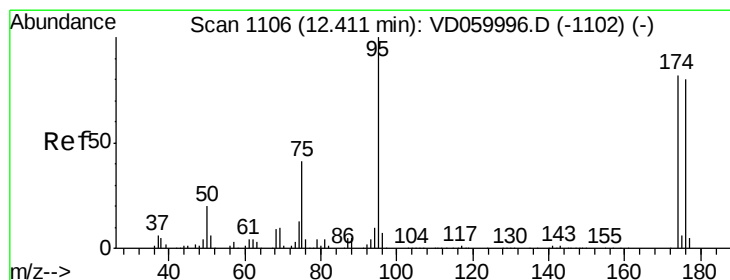
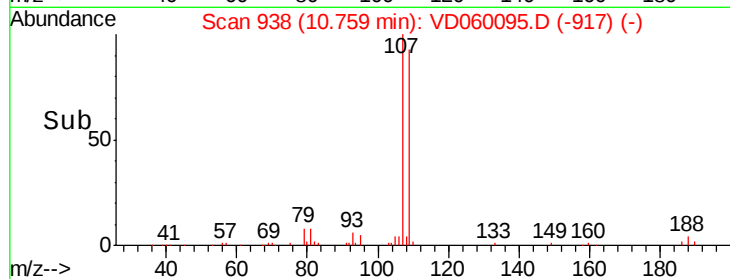
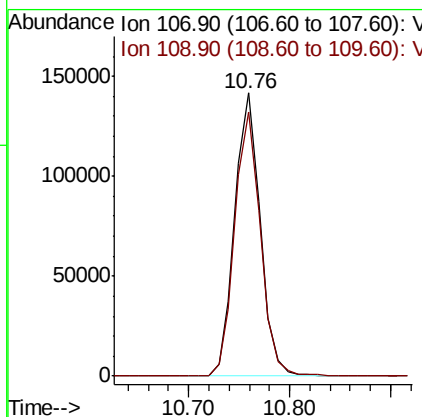
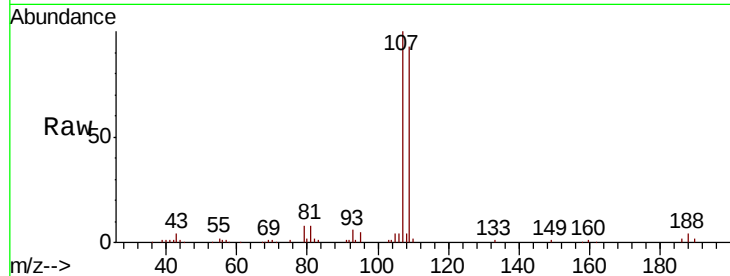
#61
 1,2-Dibromoethane
 Concen: 20.697 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	78.2	117.2

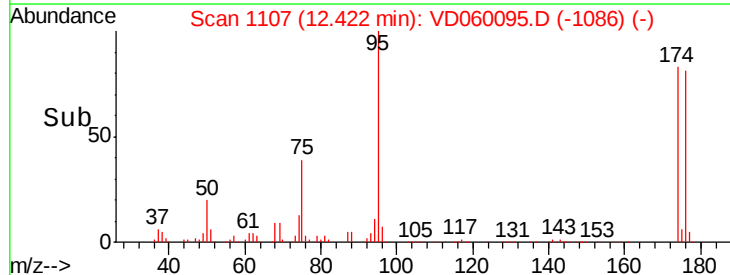
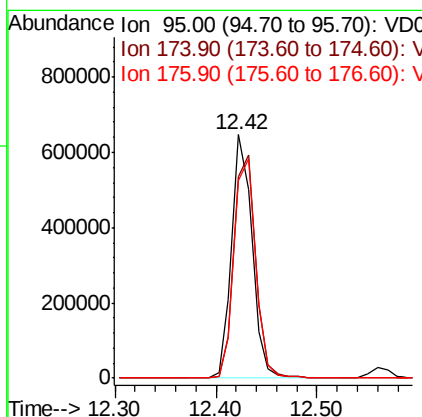
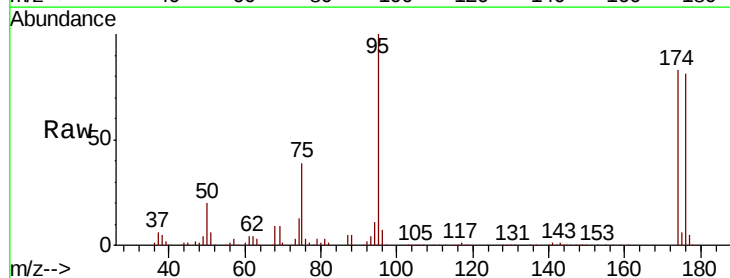
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#62
 4-Bromofluorobenzene
 Concen: 20.697 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	165.0
176	81.4	0.0	160.2





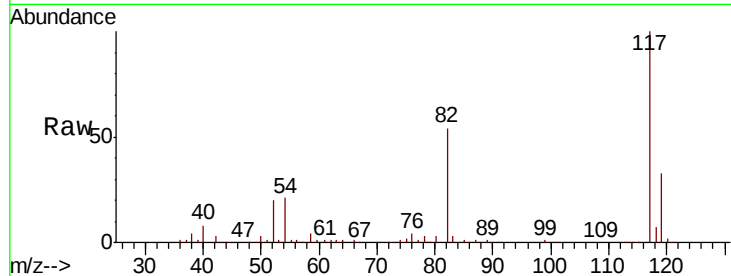
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

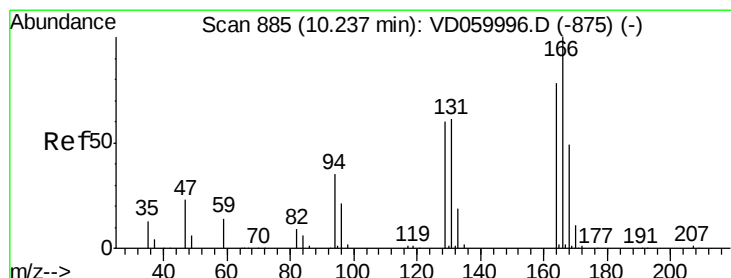
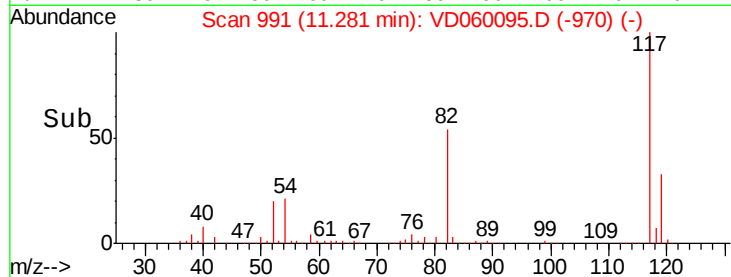
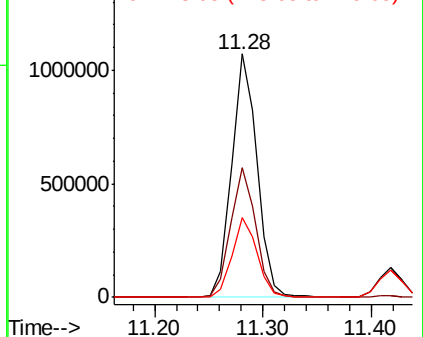
Tot Ion:117 Resp: 1746007
Ion Ratio Lower Upper
117 100
82 53.5 41.7 62.5
119 32.5 26.0 39.0

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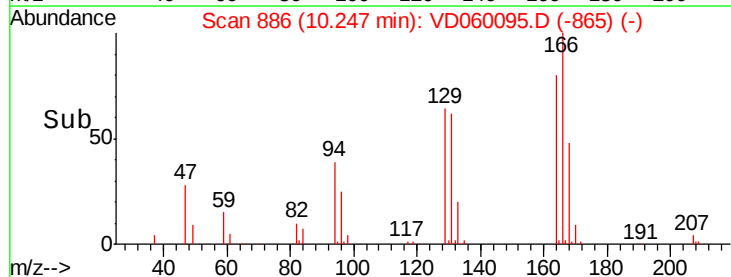
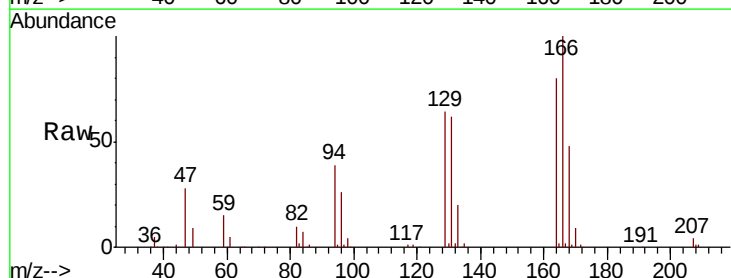
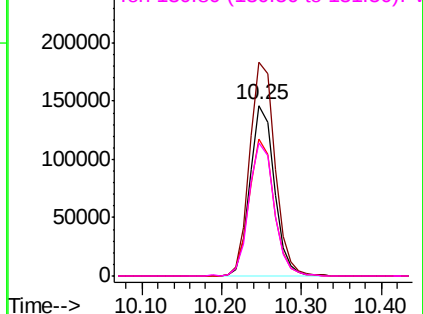
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

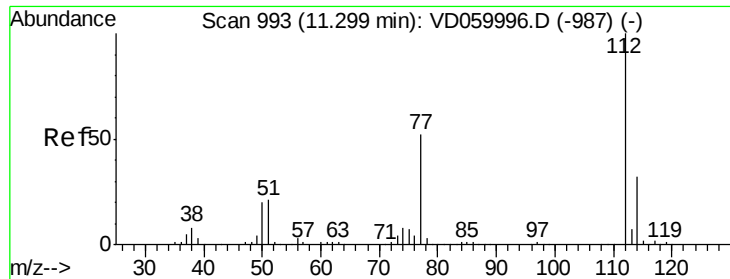


#64
Tetrachloroethene
Concen: 19.810 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion:164 Resp: 305175
Ion Ratio Lower Upper
164 100
166 125.2 103.0 154.6
129 80.2 61.9 92.9
131 77.8 62.6 93.8

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





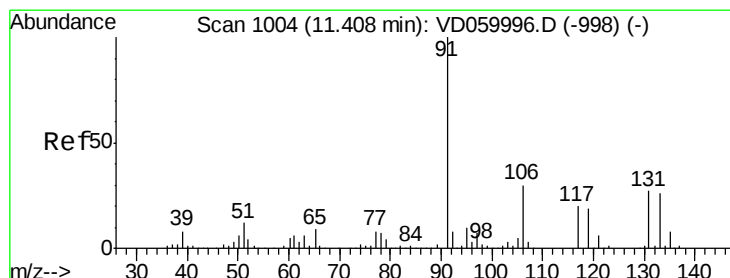
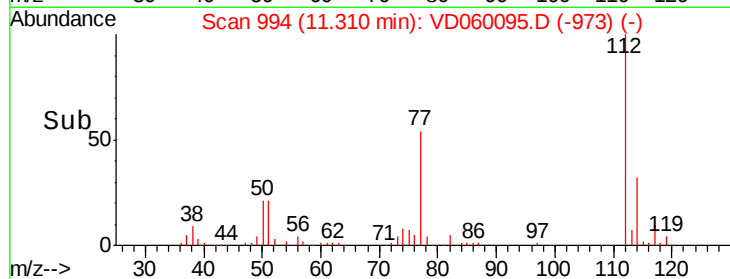
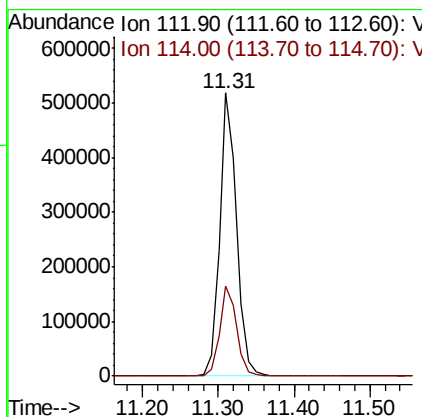
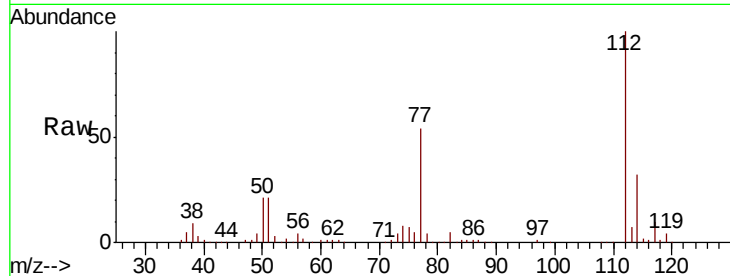
#65
Chlorobenzene
Concen: 21.500 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion:112 Resp: 807089
Ion Ratio Lower Upper
112 100
114 31.8 25.3 37.9

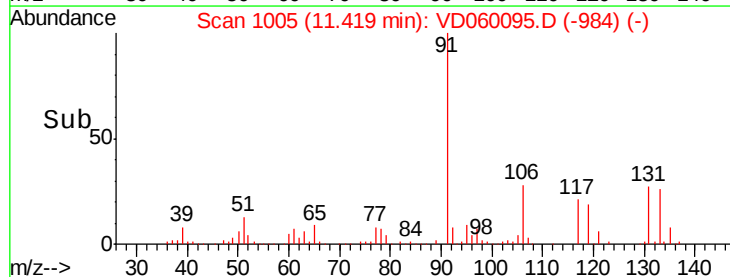
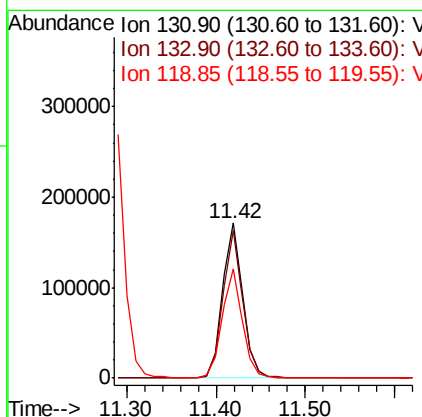
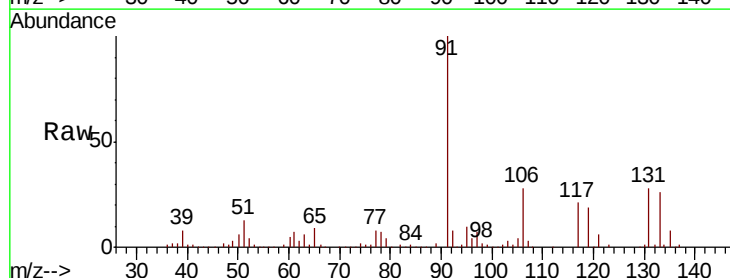
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.711 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion:131 Resp: 274879
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 70.1 35.6 106.9





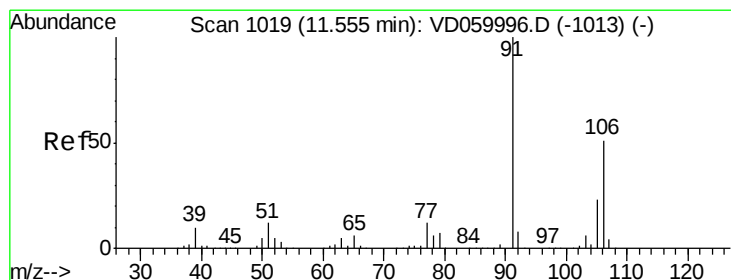
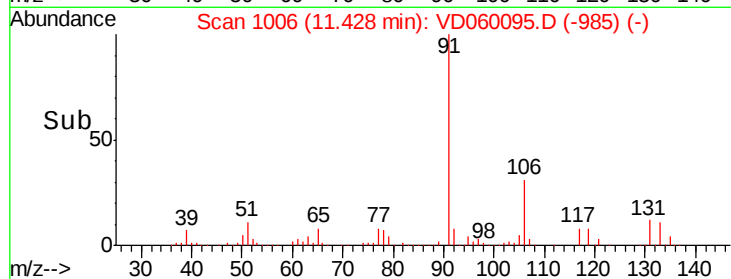
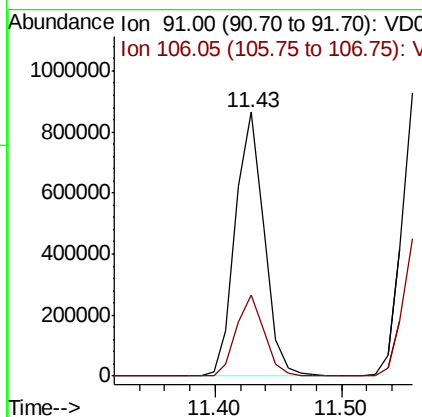
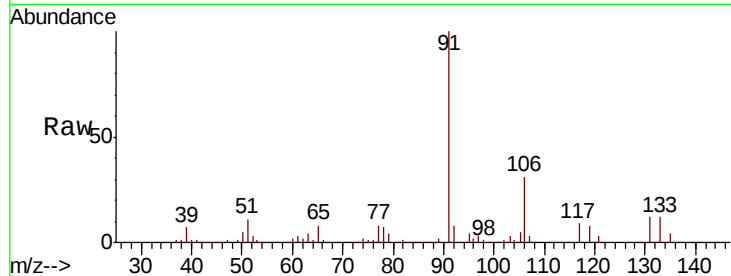
#67
Ethyl Benzene
Concen: 22.409 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleID :
VD0928SBS01

Tot Ion: 91 Resp: 1353745
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

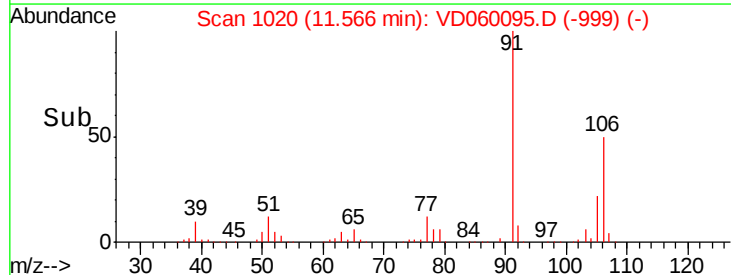
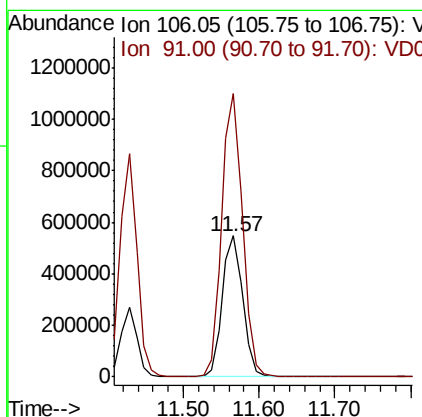
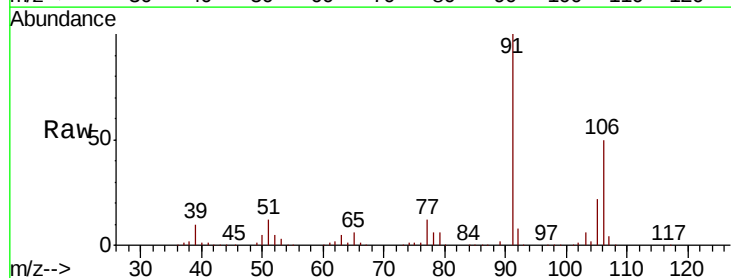
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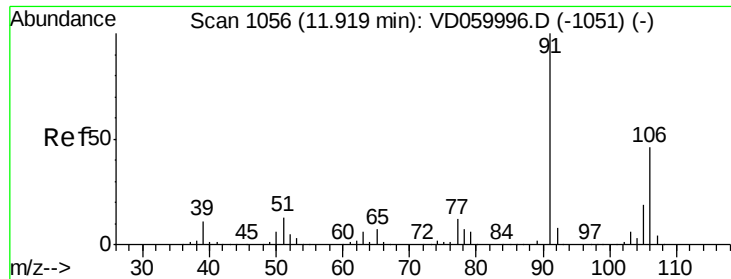
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#68
m/p-Xylenes
Concen: 46.260 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 106 Resp: 1032098
Ion Ratio Lower Upper
106 100
91 200.8 157.0 235.6





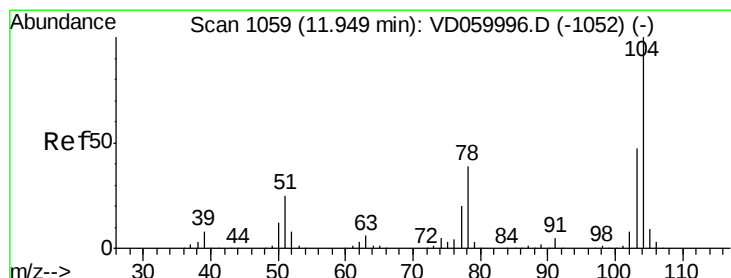
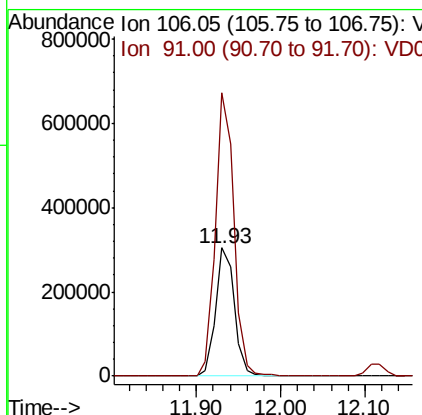
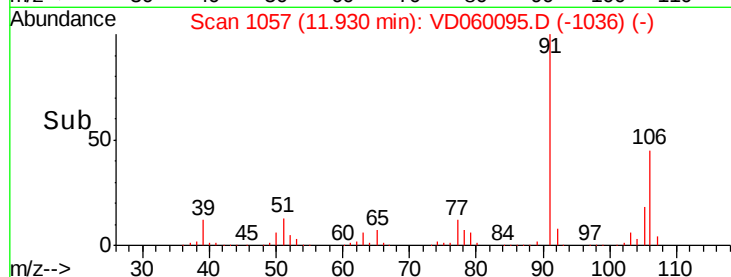
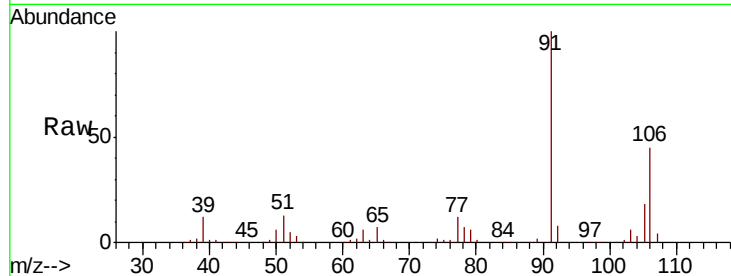
#69
o-Xylene
Concen: 21.440 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleID :
VD0928SBS01

Tot Ion:106 Resp: 473967
Ion Ratio Lower Upper
106 100
91 220.5 107.7 323.1

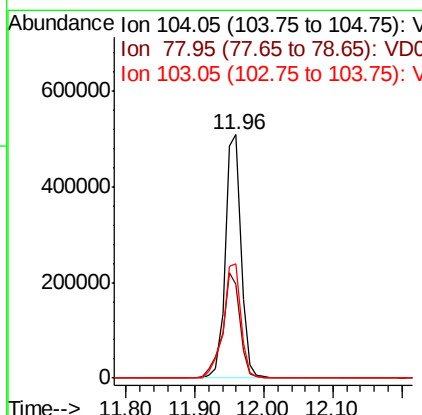
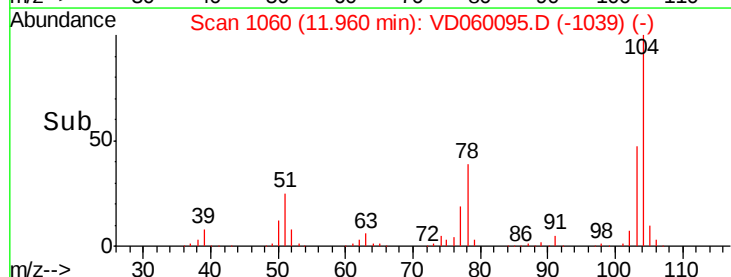
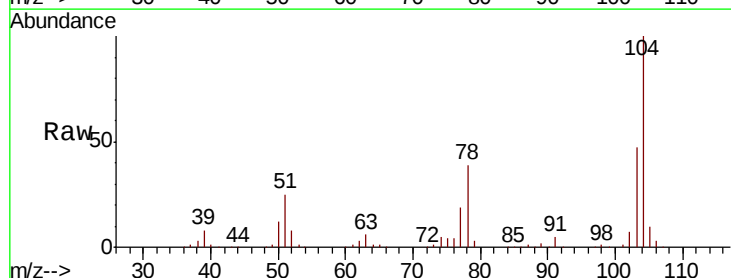
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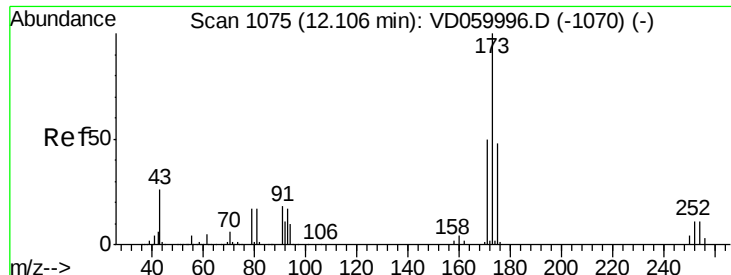
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#70
Styrene
Concen: 21.774 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion:104 Resp: 809349
Ion Ratio Lower Upper
104 100
78 38.7 31.0 46.4
103 46.7 37.6 56.4





#71

Bromoform

Concen: 19.313 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

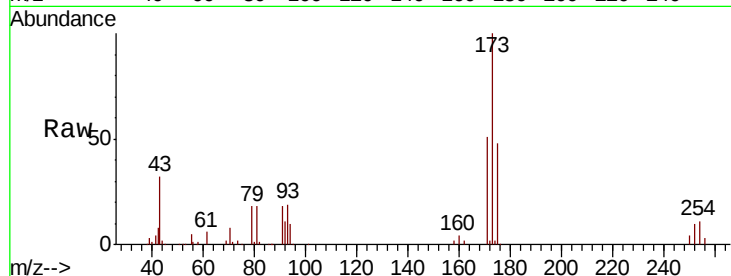
ClientSampleId :

VD0928SBSD01

Tot Ion:	173	Resp:	210087
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.0	72.0
254	10.8	8.6	13.0

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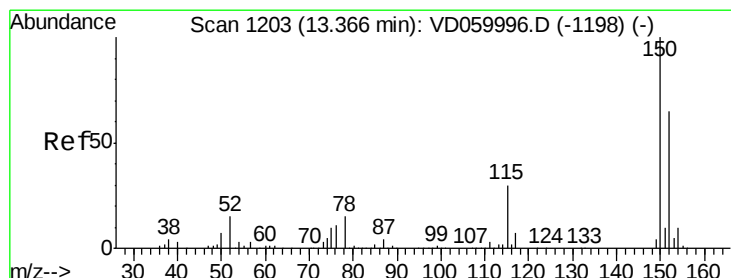
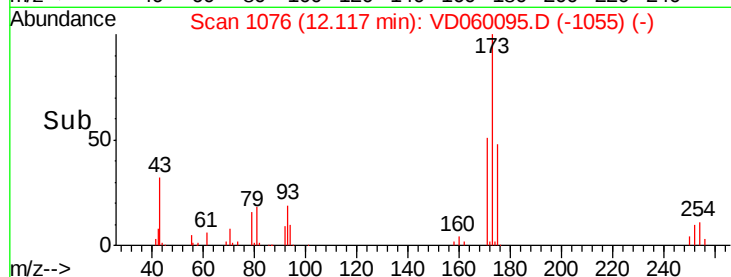
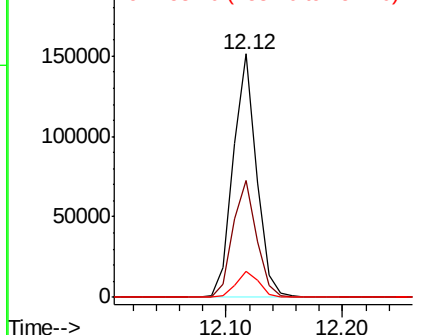


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

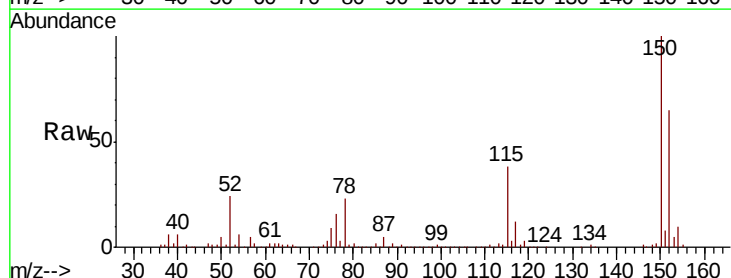
RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion:	152	Resp:	907708
Ion Ratio	Lower	Upper	
152	100		
115	58.0	24.6	73.8
150	154.4	0.0	313.4

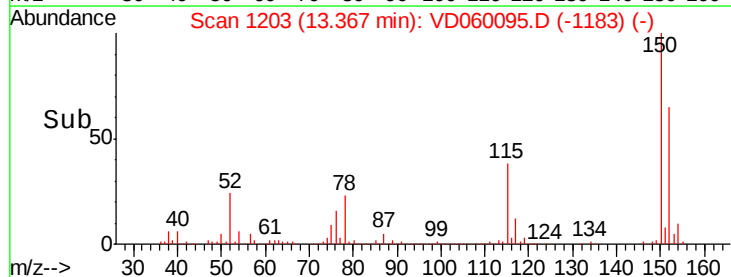
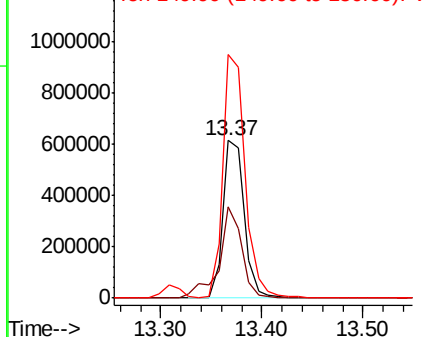


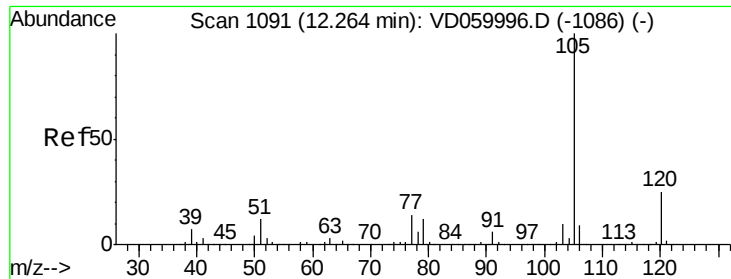
Abundance

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: 22.485 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:105 Resp: 1338546

Ion Ratio Lower Upper

105 100

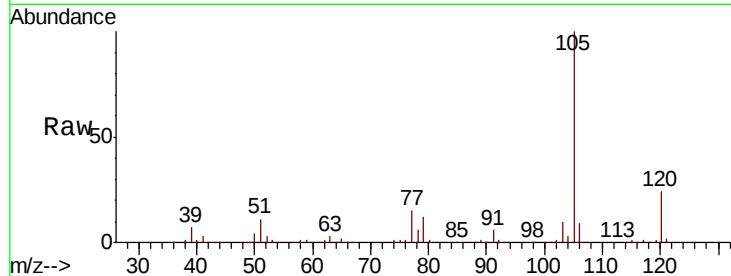
120 24.0 12.3 36.9

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

1000000

800000

600000

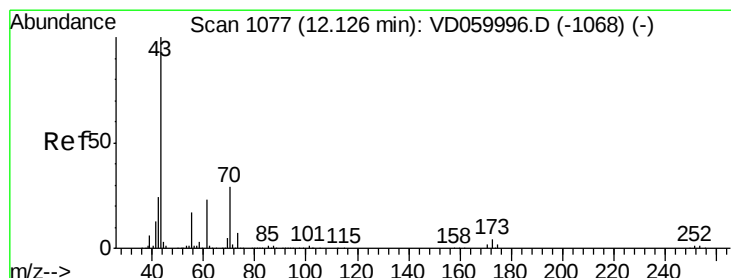
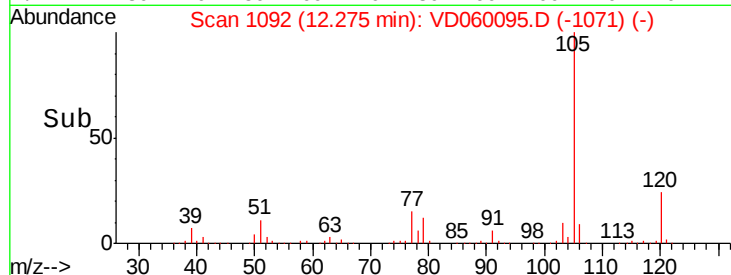
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 20.576 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Tgt Ion: 43 Resp: 485198

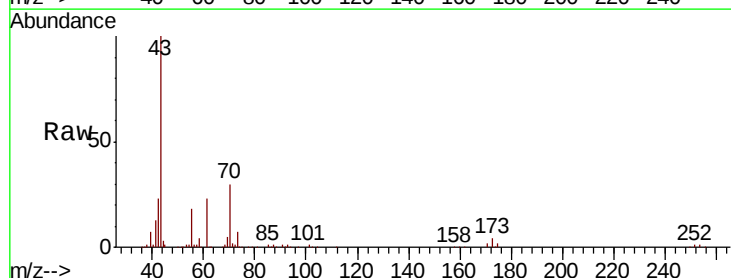
Ion Ratio Lower Upper

43 100

70 30.1 22.9 34.3

55 17.6 14.0 21.0

61 23.4 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

500000

400000

300000

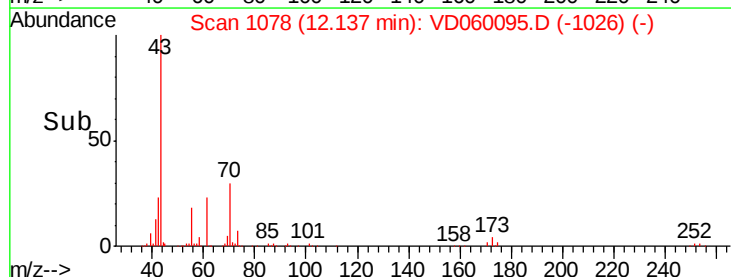
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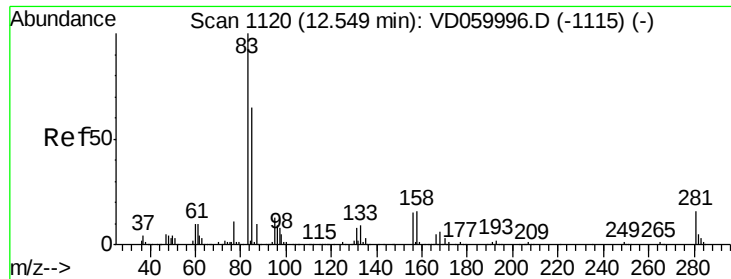
100000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 21.000 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 83 Resp: 283605

Ion Ratio Lower Upper

83 100

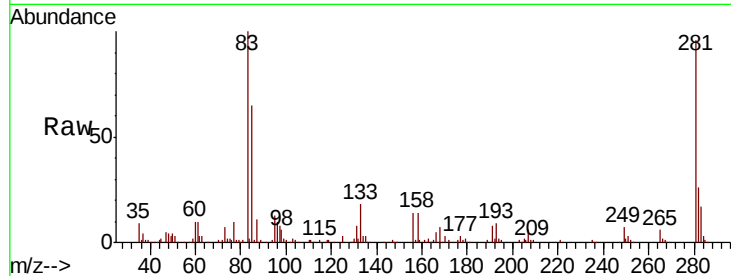
131 8.4 4.1 12.3

85 65.3 32.4 97.2

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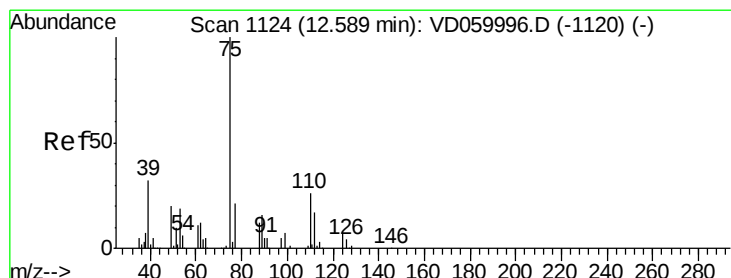
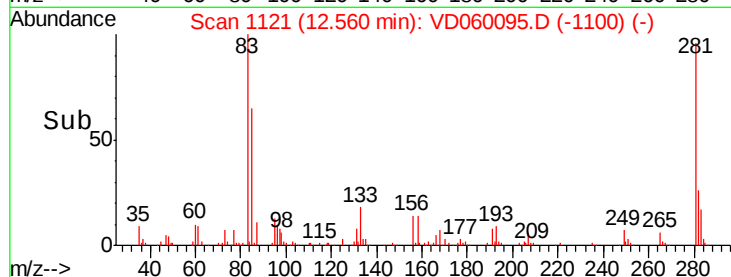
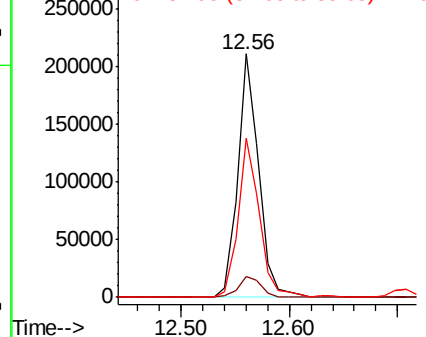
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.928 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060095.D

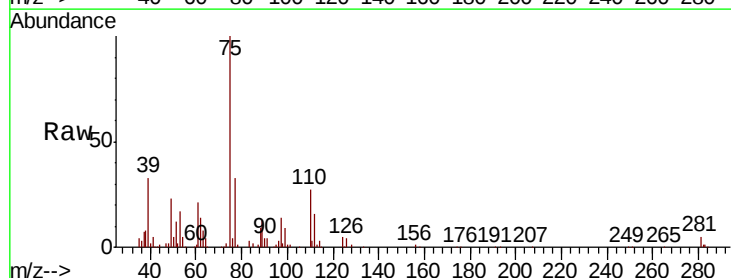
Acq: 28 Sep 2018 14:06

Tgt Ion: 75 Resp: 290132

Ion Ratio Lower Upper

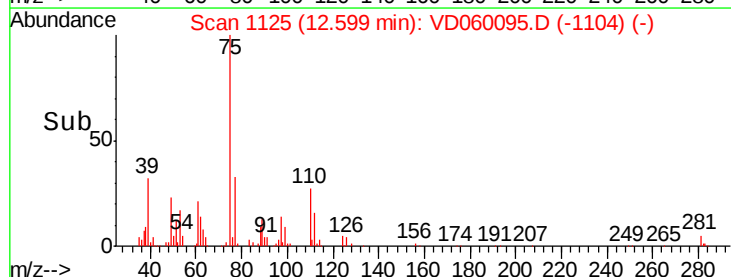
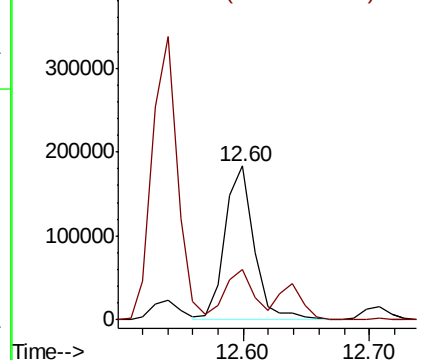
75 100

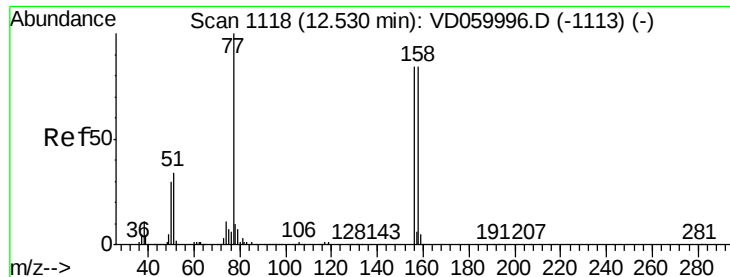
77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





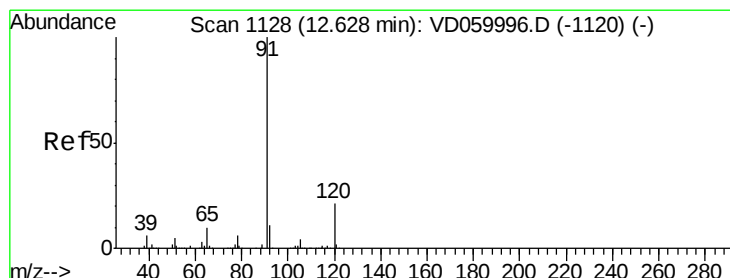
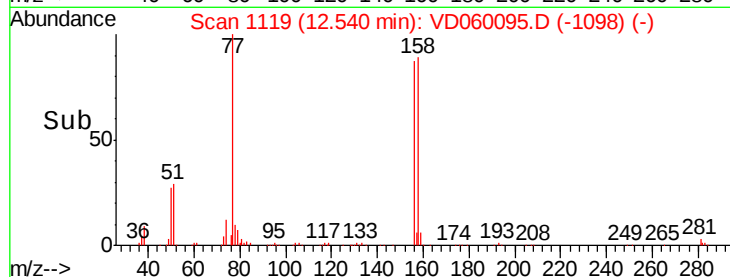
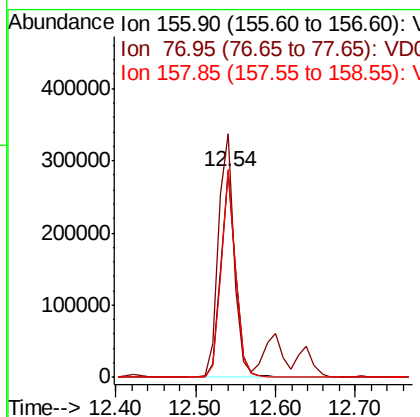
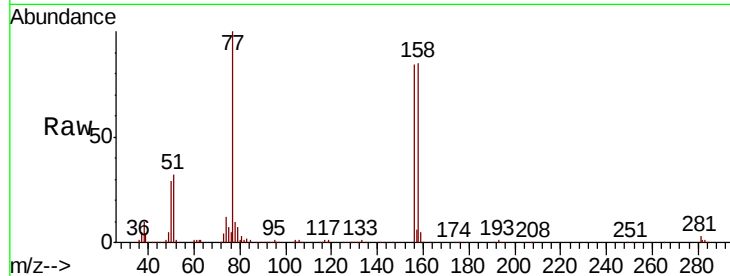
#77
Bromobenzene
Concen: 21.930 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	118.6	59.5	178.4
158	101.4	50.0	149.8

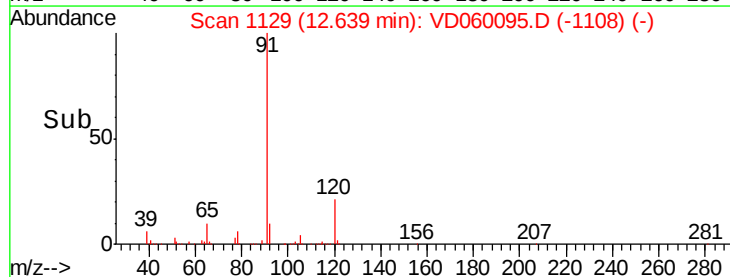
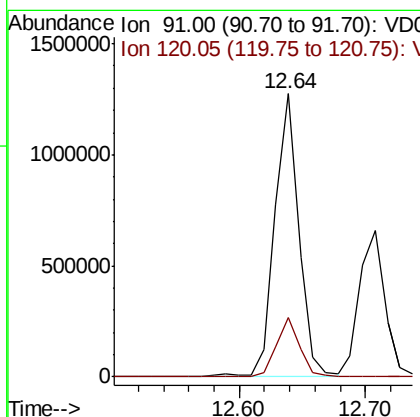
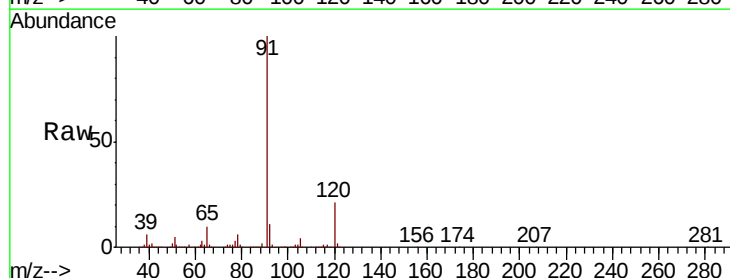
Manual Integrations
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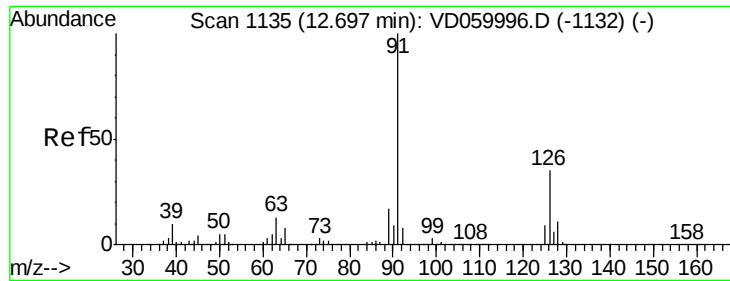
apatel
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#78
n-propylbenzene
Concen: 22.559 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.7	31.9





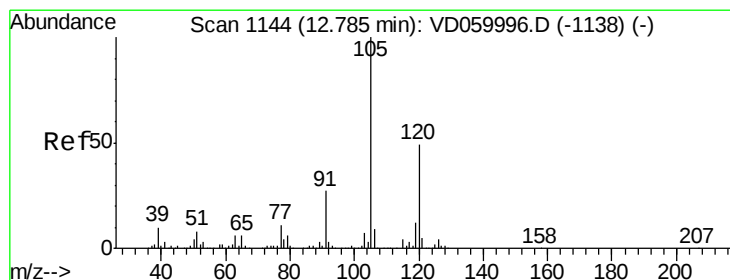
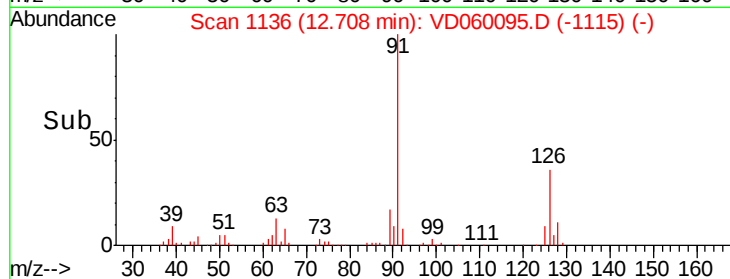
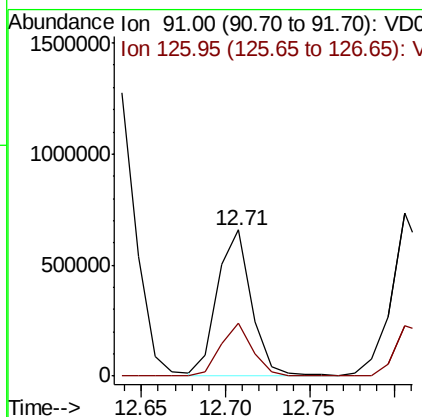
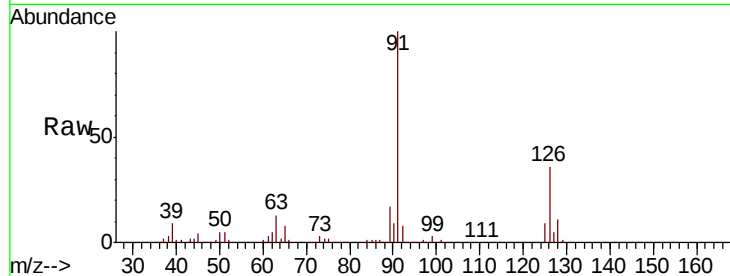
#79
 2-Chlorotoluene
 Concen: 21.634 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0928SBS01

Tot Ion: 91 Resp: 914115
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.3 52.0

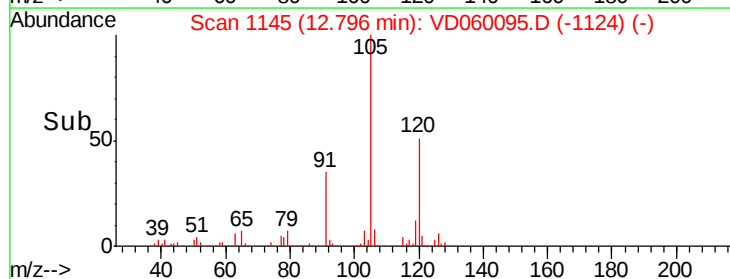
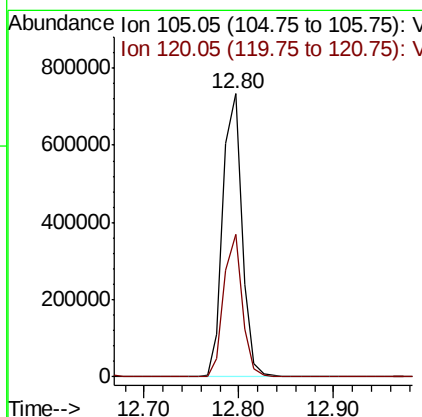
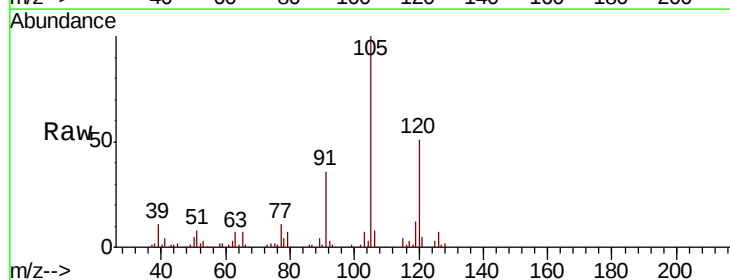
Manual Integrations
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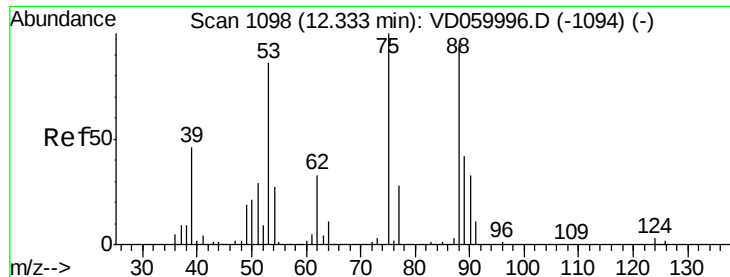
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.494 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion: 105 Resp: 1026375
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.131 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion: 75 Resp: 75876

Ion Ratio Lower Upper

75 100

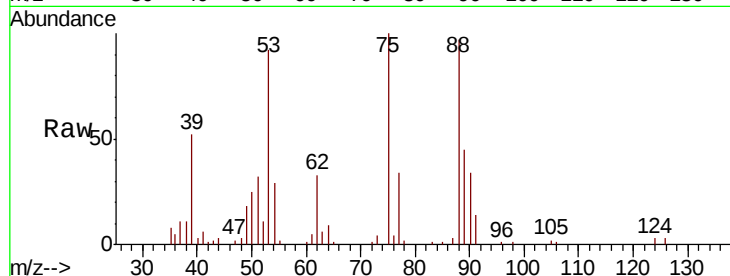
53 92.2 68.4 102.6

89 45.2 33.8 50.6

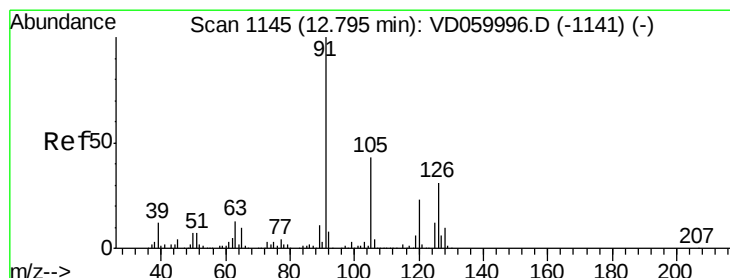
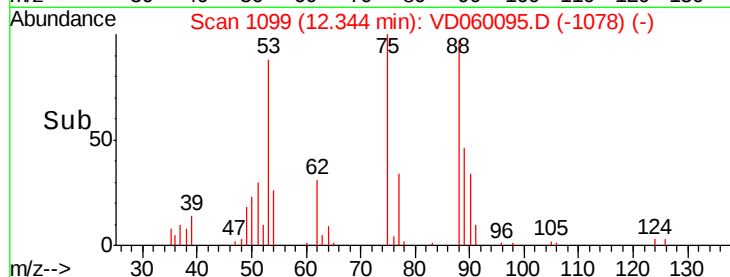
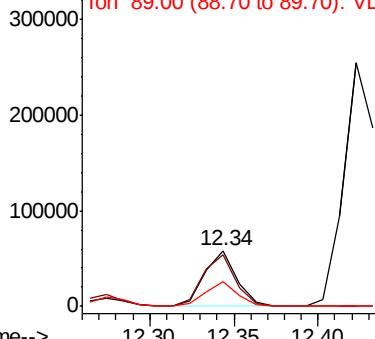
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.882 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060095.D

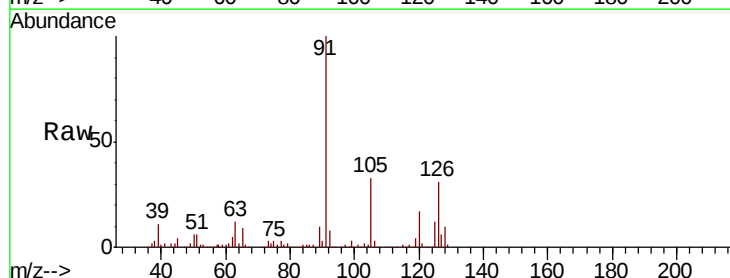
Acq: 28 Sep 2018 14:06

Tgt Ion: 91 Resp: 1062973

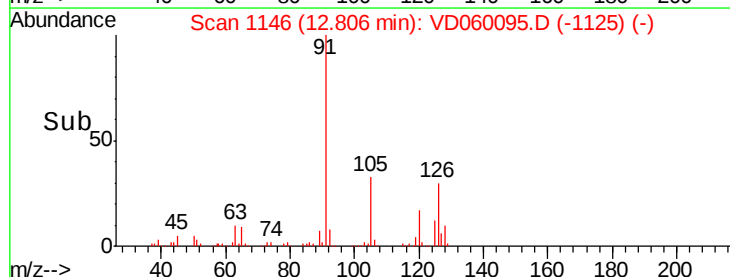
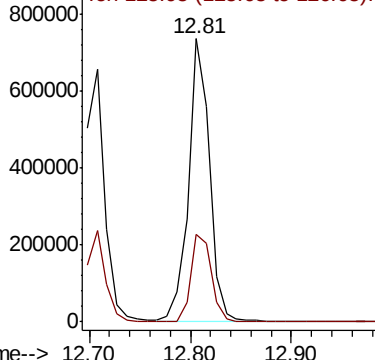
Ion Ratio Lower Upper

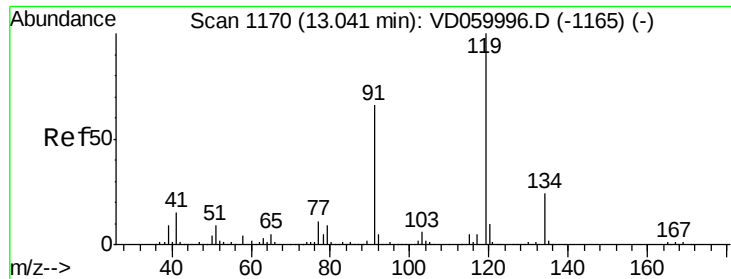
91 100

126 30.8 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





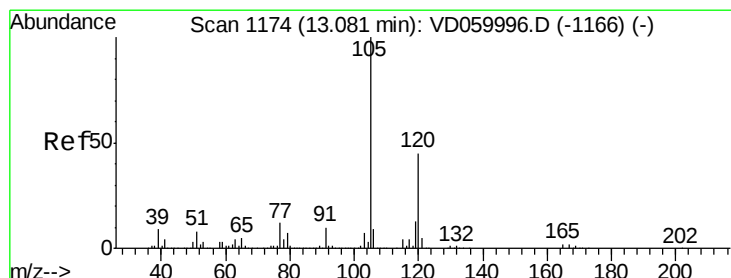
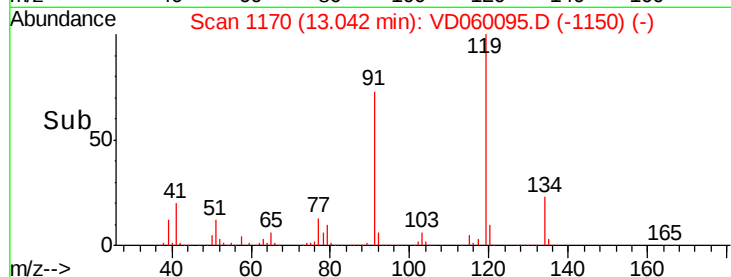
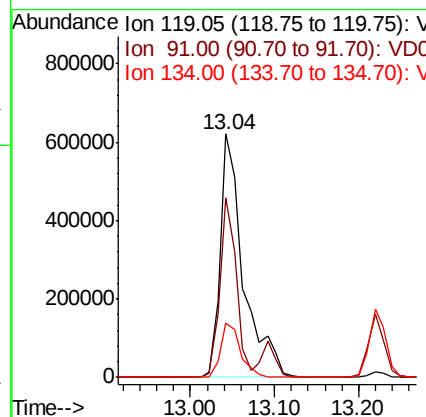
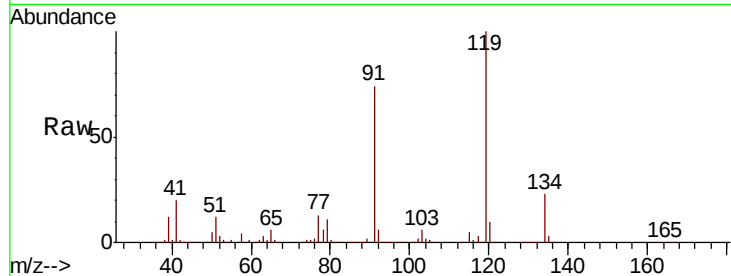
#83
tert-Butylbenzene
Concen: 22.501 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.9	32.9	98.6
134	22.5	12.0	36.0

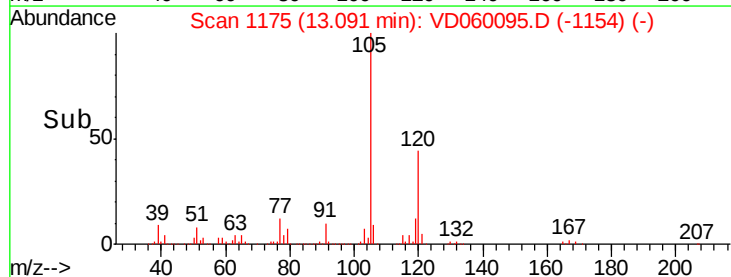
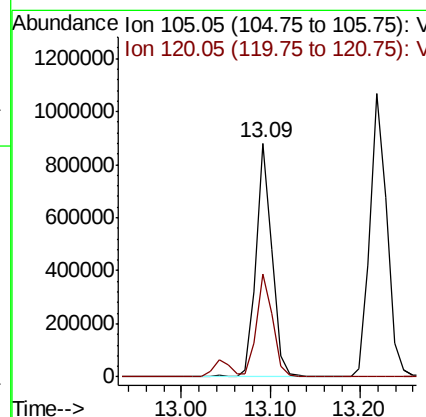
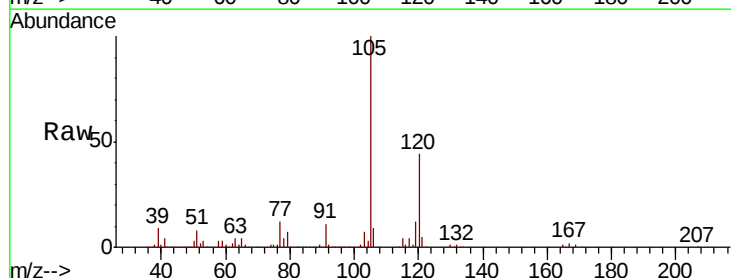
Manual Integrations
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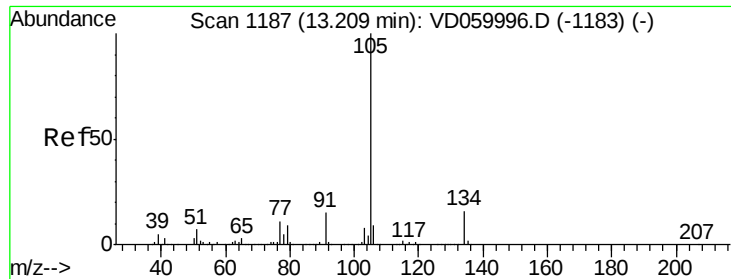
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 22.089 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.0





#85

sec-Butylbenzene

Concen: 22.185 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

Instrument :

MSVOA_D

ClientSampleId :

VD0928SBS01

Tot Ion:105 Resp: 1392089

Ion Ratio Lower Upper

105 100

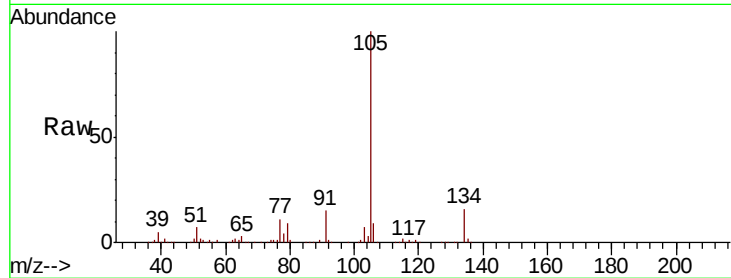
134 16.5 8.2 24.6

Manual Integrations

APPROVED

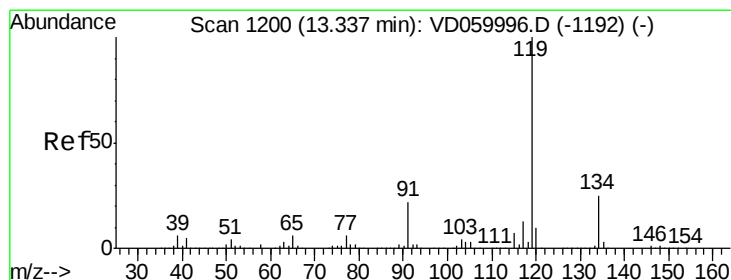
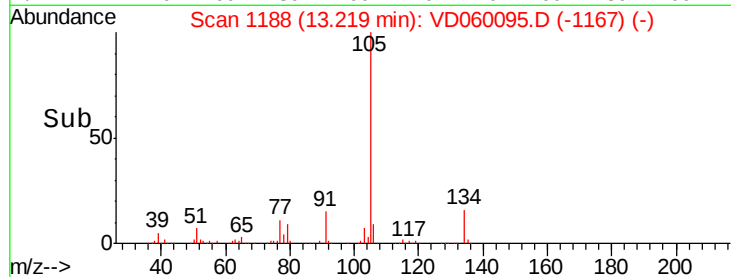
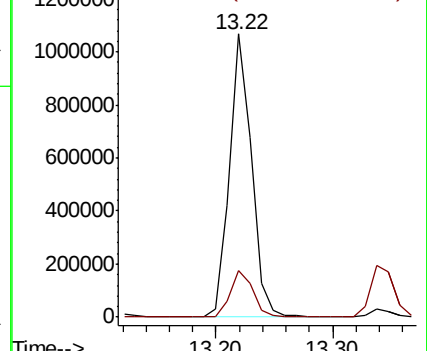
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.434 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060095.D

Acq: 28 Sep 2018 14:06

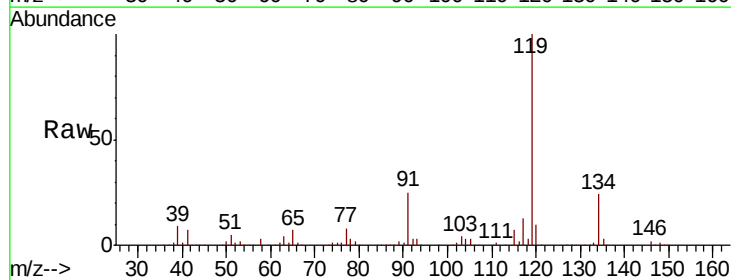
Tgt Ion:119 Resp: 1138539

Ion Ratio Lower Upper

119 100

134 23.6 12.8 38.3

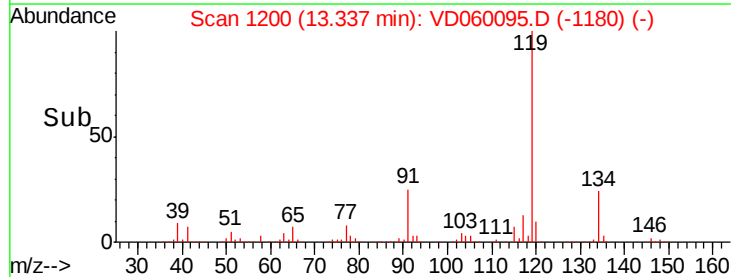
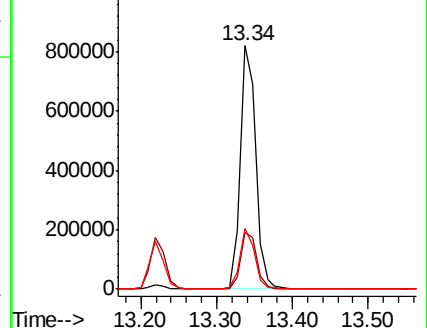
91 24.9 11.1 33.3

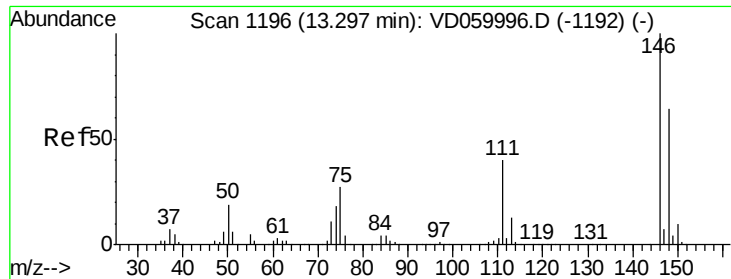


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





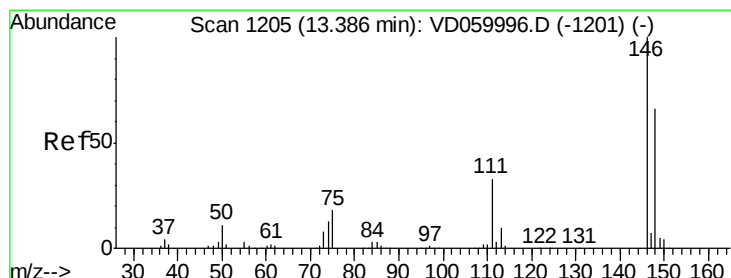
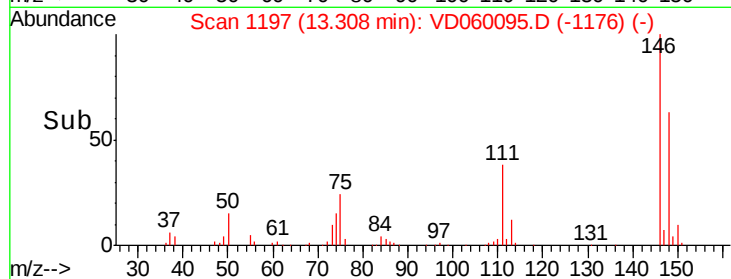
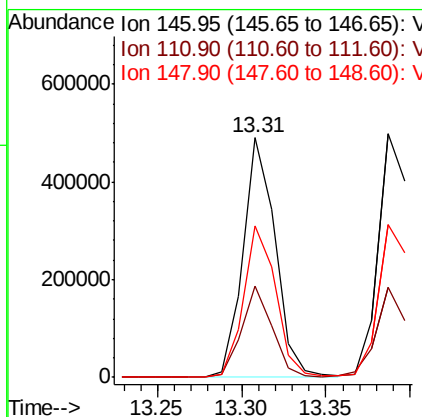
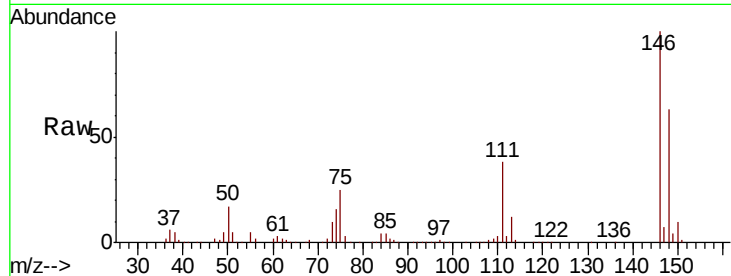
#87
 1,3-Dichlorobenzene
 Concen: 21.799 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.2	60.5
148	63.1	32.0	96.2

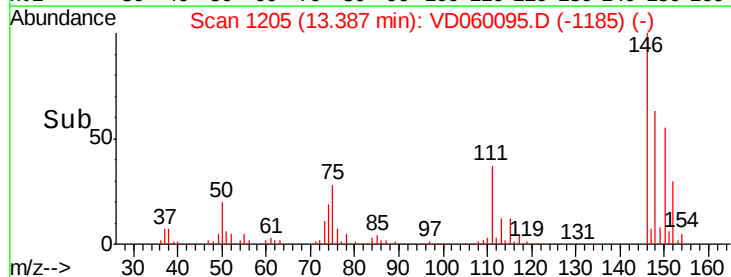
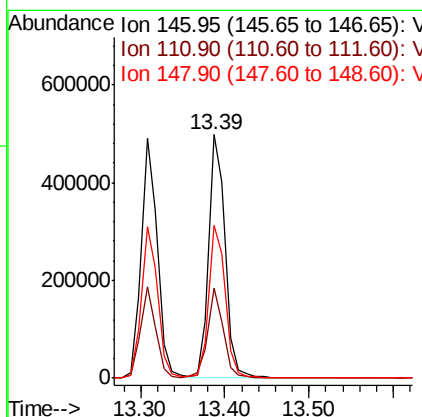
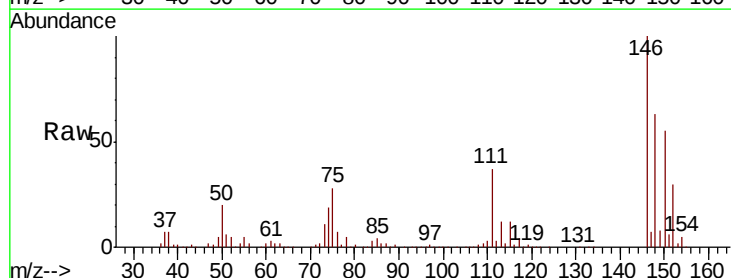
Manual Integrations
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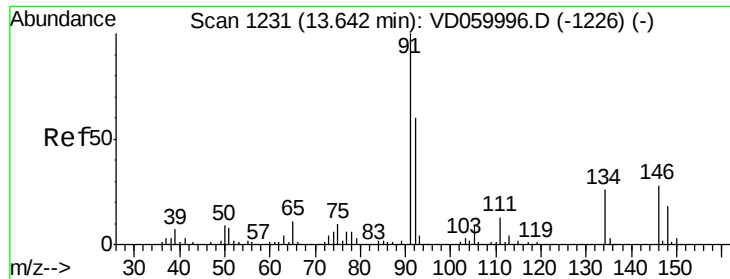
apatel
 10/1/2018 3:59:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.238 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	16.7	50.0
148	62.7	32.9	98.6





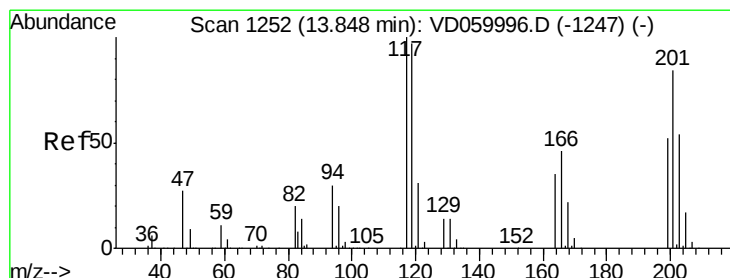
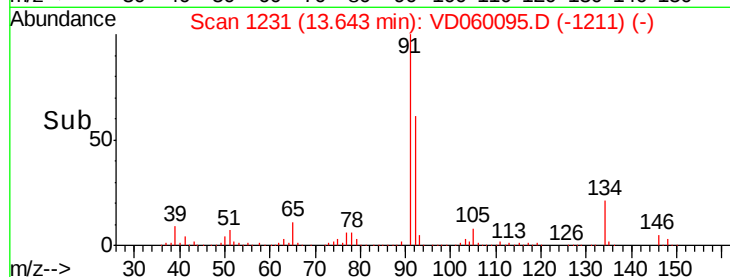
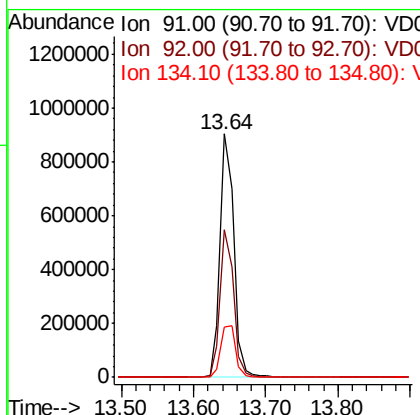
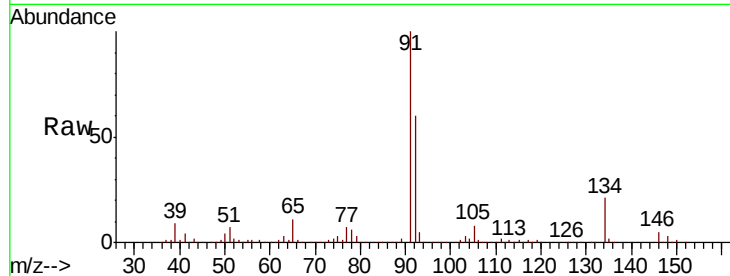
#89
n-Butylbenzene
Concen: 21.601 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBS01

Tot Ion: 91 Resp: 1175880
Ion Ratio Lower Upper
91 100
92 60.5 29.8 89.3
134 20.6 13.2 39.6

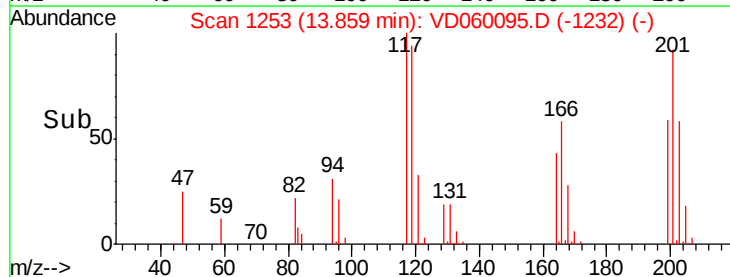
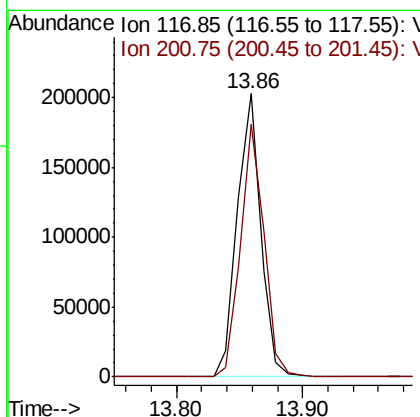
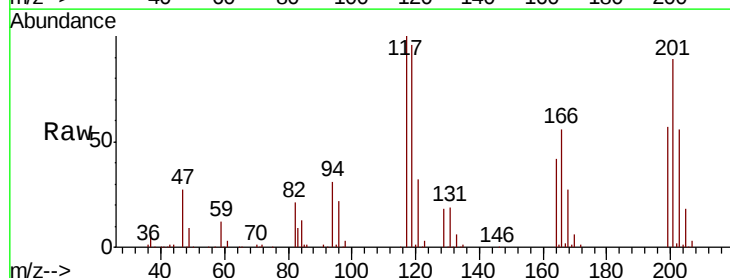
Manual Integrations
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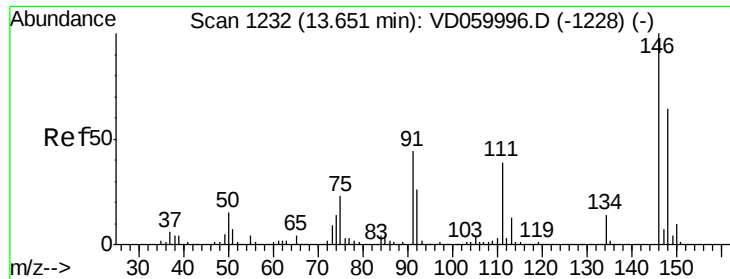
apatel
10/1/2018 3:59:00 PM



#90
Hexachloroethane
Concen: 20.707 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion: 117 Resp: 260286
Ion Ratio Lower Upper
117 100
201 89.3 42.1 126.4





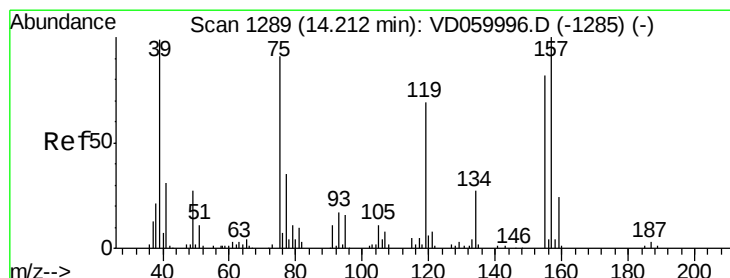
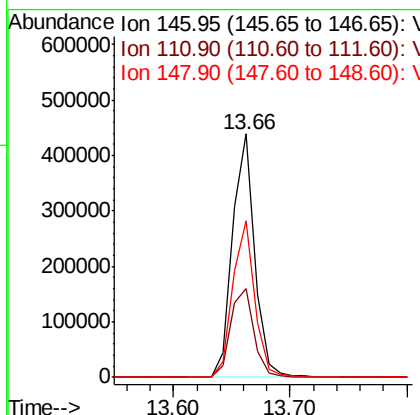
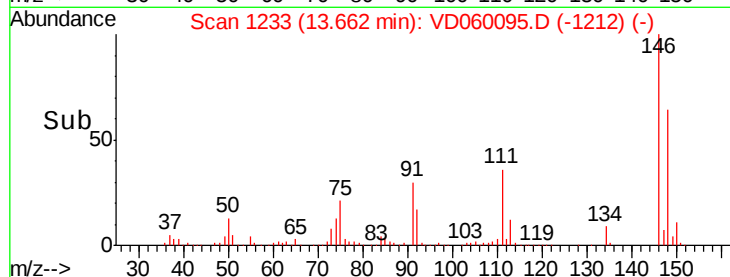
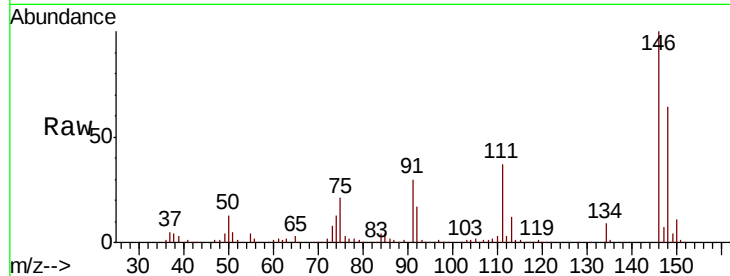
#91
 1,2-Dichlorobenzene
 Concen: 21.062 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	19.6	58.7
148	64.3	31.9	95.7

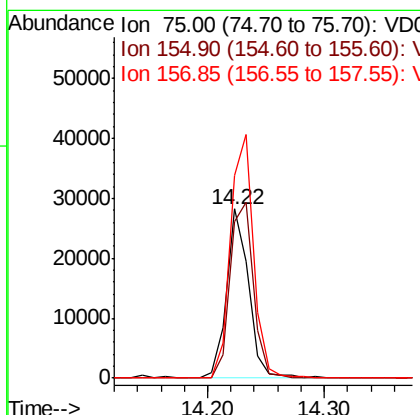
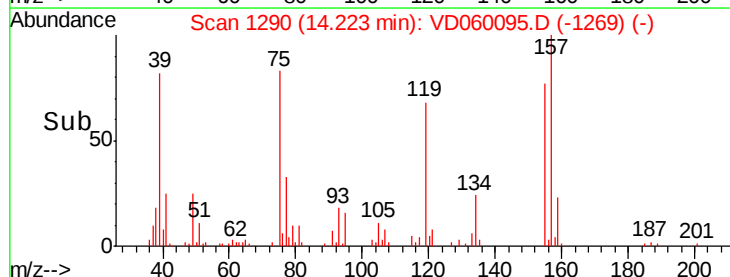
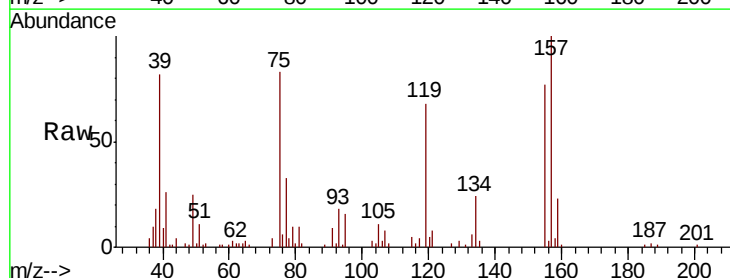
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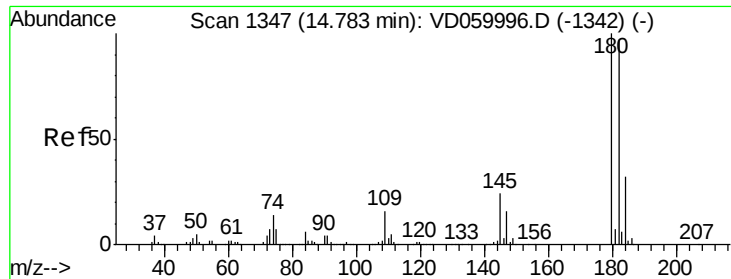
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.013 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	44.7	134.1
157	120.0	54.7	164.1





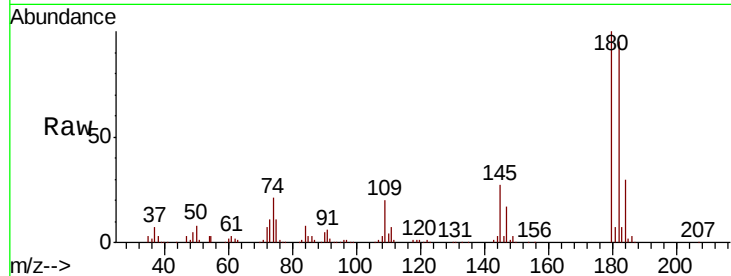
#93
 1,2,4-Trichlorobenzene
 Concen: 21.448 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

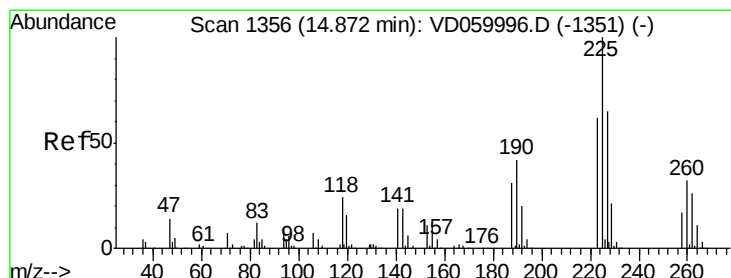
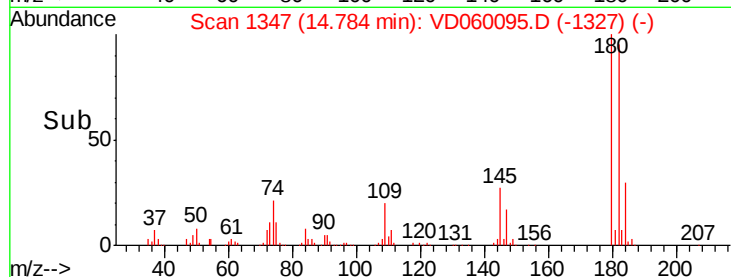
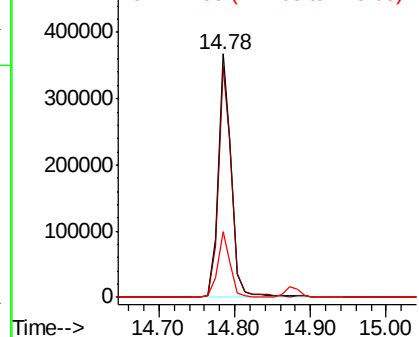
Tot Ion	Ratio	Resp	Lower	Upper
180	100	455792		
182	94.7	48.5	145.6	
145	26.8	11.9	35.7	

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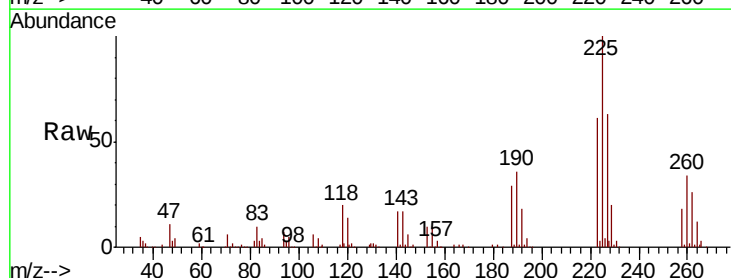


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

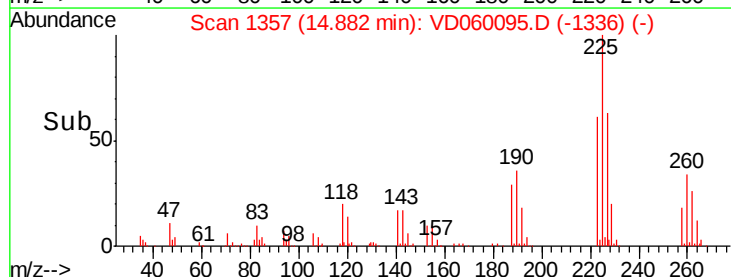
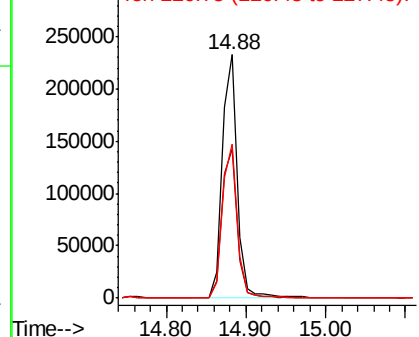


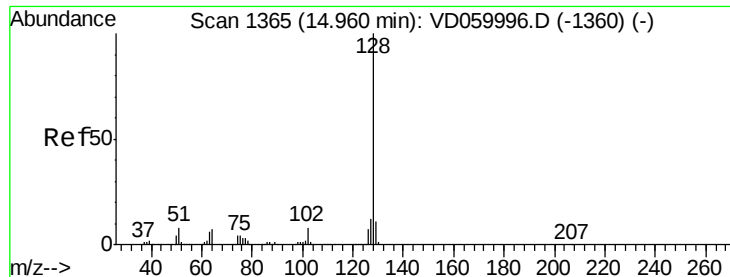
#94
 Hexachlorobutadiene
 Concen: 22.211 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060095.D
 Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	312225		
223	61.1	31.2	93.6	
227	63.2	32.3	96.8	



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





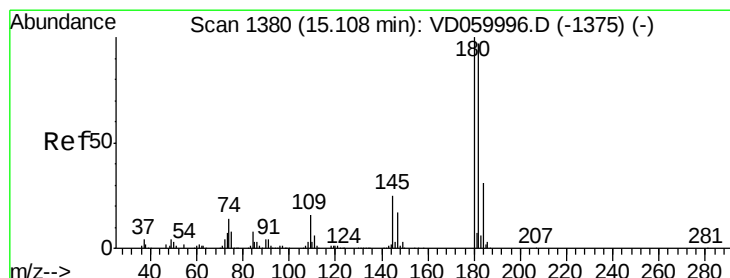
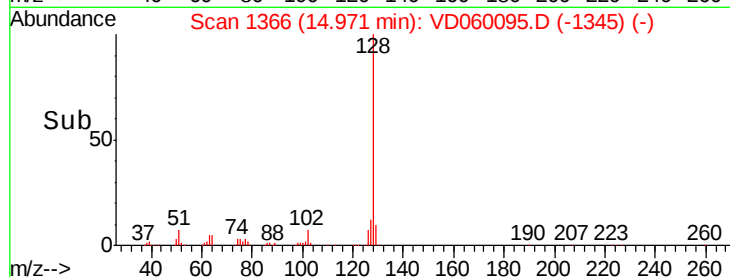
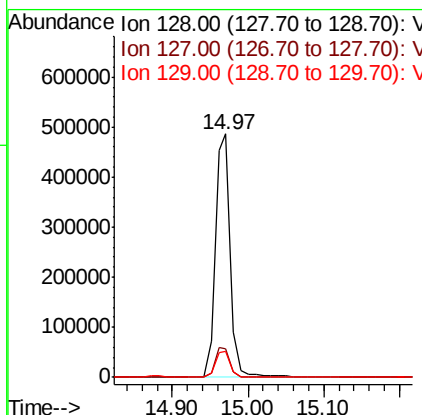
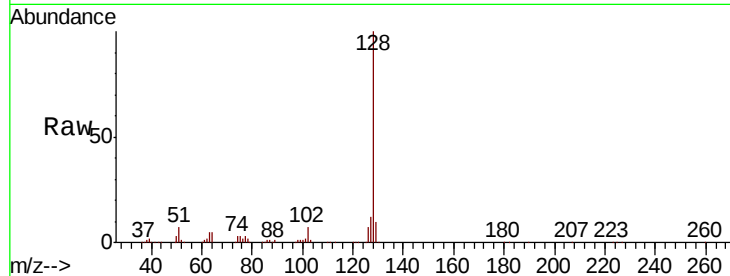
#95
Naphthalene
Concen: 20.776 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Instrument :
MSVOA_D
ClientSampleId :
VD0928SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	681853		
127	11.9		9.7	14.5
129	10.5		8.9	13.3

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#96
1,2,3-Trichlorobenzene
Concen: 20.604 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060095.D
Acq: 28 Sep 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	385859		
182	94.9		48.6	145.9
145	28.8		12.7	38.1

